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ANNUAL REPORT ON STRONG-MOTION EARTHQUAKE RECORDS IN JAPANESE PORTS (1970)

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港湾地域強震観測年報（1970）

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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４４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４５年中に得られた記録のうち、対応する地震がはっきりせず、かつその最大加速度が２０ｇａｌ以下のものを除き、残りすべてを地震ごとに分類し地震の資料と各成分ごとの最大加速度を添えて、強震観測表（Ｓｔｒｏｎｇ－Ｍｏｔｉｏｎ Ｅａｒｔｈｑｕａｋｅ Ｏｂｓｅｒｖａｔｉｏｎ Ｒｅｓｕｌｔｓ）に示した。強震観測表の地震資料（Ｅａｒｔｈｑｕａｋｅ Ｄａｔａ）に示すものは、備考（Ｒｅｍａｒｋｓ）を除き、気象庁地震課発行の地震月報によっている。また、地盤上における記録で最大加速度が２０ｇａｌ以上のものについては記録の原寸複製を、最大加速度が５０ｇａｌ以上のものについては、さらに数字化された記録、応答スペクトル、フーリエスペクトルを添えた。本報告で記録波形を示したものは、いづれも、ＳＭＡＣ－Ｂ２強震計で記録したものである。

記録の原寸複製には、その方向が示してある。しかし、記録の一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。

数字化された記録は原記録の密着印画を数字化装置により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。

応答スペクトルは数字化された記録から主要部分をとり出し、これについて１自由度１質点系の最大応答を求めてプ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。

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この報告に示すフーリェスペクトルは、地震波の最大加速度の部分を含む数秒間をとり出し、これをフーリェ級数に展開して、そのフーリェ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。フーリェスペクトルを求めた区間の始点と記録の始点との時間はＴＳＫ、スペクトルを求めた区間の長さはＴＵＳとして、秒を単位とする数値で図中に示してある。

付録Ａとして、１９６８年十勝沖地震の青森港における記録の応答スペクトルを示した。同応答スペクトルはすでに１９６８年十勝沖地震の港湾地域における強震記録を報告したものに含まれていた。しかし、その後の検討で、計算に用いた記録長が十分でなく、非減衰固有周期の長い部分で、最大応答値が小さく出ていることが判明した。そこで、記録長を十分長くとり（１３０秒）、計算をやり直したものを示した。

１９６８年十勝沖地震の青森港での記録では、周期の長い振動が長い時間続いている。このため、先に説明したような計算に用いる記録長の不足が生じたと思われる。応答スペクトルの計算では、最大応答の発生した時間も調べている。したがって、応答スペクトルの計算に用いる記録の長さが十分でないということは、この記録に限って発生した特殊な事例と考えられる。

付録Ｂでは、１９４０年５月１８日に米国カリフォルニア州の Imperial Valley に発生したマグニチュード６．３の地震をEl Centroで記録したもの、および１９５２年７月２１日に同じくカリフォルニア州Kern Countyで発生した地震をTaftで記録したものについて、応答スペクトルを示した。両記録はこれまでに広く利用されてきた記録である。したがって、これまでのこの年報で示した応答スペクトルと直接比較できるよう、同一プログラムで計算し、同一の形式で示したものである。計算にはカリフォルニア工科大学で数字化したものを、直線補間により0.01秒刻みの記録に直して使用した。これらの記録は、他所で計算された応答スペクトルとこの年報の応答スペクトルの計算の総合精度を比較するのにも便利と思われる。

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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 1970, more than 580 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 1970, 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 full size. On the ground acceleration records with maximum accelerations larger than 50 gals, digitized records, response spectra and Fourier spectra are included.

In Appendixes, three sets of response spectra are shown in the same format to that of other response spectra in the annual report. The first set is of the 1968 Tokachi-Oki earthquake recorded at the Aomori-S station. The response spectra of that record were previously reported, but the new spectra were calculated with considerably long portions of the record. Others are of earthquakes of May 18, 1940 in El Centro and July 21, 1952 in Taft. Since those two records have been used so frequently in earthquake engineering activities, the response spectra in the same format are considered to be very useful.

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 1970, more than 580 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 1969 had been published in the previous annual reports which had similar format to the present one. 1, 2, 3, 4, 5) In 1968, there occured 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 in 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. 6)

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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.

The report consists of the Strong-Motion Earthquake Observation Results, reproduced accelerograms, digitized records, response spectra and Fourier spectra. All the records in 1970 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 reproduced accelerograms 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;

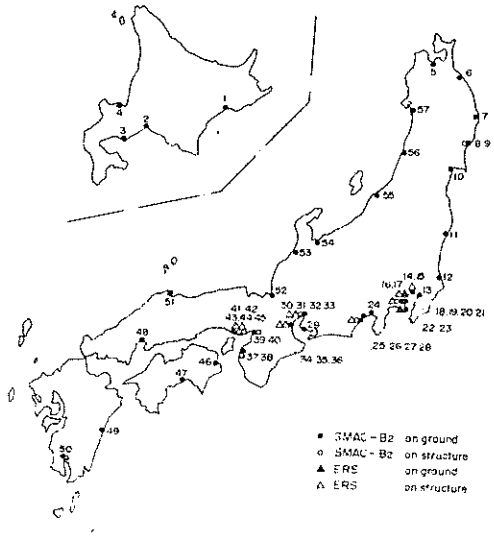
The Harbour Sections of Iwate, Shizuoka, and Miyazaki Prefectural Governments; and

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 1970; the complete location of the stations is shown in Fig. 1. 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. 9, 10)



1 Kushiro-S
2 Tomakomai-S
3 Muroran-S
4 Otaru-S
5 Aomori-S
6 Hachinohe-S
7 Miyako-S
8 Ofunado-S
9 Ofunado-ho-S
10 Shiogama-S
11 Onahama-S
12 Kashima-S
13 Chiba-S
14 Shinagawa-S
15 Shinagawa-M
16 Kawasaki-dai5-ko-M
17 Kawasaki-dai5-chi-M
18 Keihin-p-S
19 Yamashita-hen-S
20 Yamashita-dai6-S
21 Yamashita-dai7-M
22 Kokyo-S
23 Koken-M
24 Tagonoura-S
25 Okitsu-S
26 Shimizu-kaiyo-S
27 Shimizu-sekitan-S
28 Shimizu-sekitan-M
29 Kanaya-S
30 Nagoya-zokan-S
31 Nagoya-mae-S
32 Inae-sanbashi-M
33 Inae-yanta-M
34 Yokkaichi-ji-S
35 Yokkaichi-sekitan-M
36 Yokkaichi-dai2-M
37 Wakayama-p-S
38 Under relocation
39 Osaka-ji-S
40 Osaka-chuo-S
41 Kobe-ji-S
42 Kobe-dai6-S
43 Kobe-dai8-S
44 Maya-dai1-M
45 Maya-dai2-M
46 Komatsujima-S
47 Kochi-S
48 Hiroshima-S
49 Hososhima-S
50 Kagoshima-S
51 Sakuraoka-S
52 Tsuruga-S
53 Kanazawa-S
54 Toyama-S
55 Niigata-S
56 Sakata-S
57 Akita-S

Fig. 1 Strong-Motion Earthquake Network of Port and Harbour Research Institute

(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 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 abbriviated 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 abbriviated 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. 7, 8)

(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. 9, 10)

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 prefabricated houses. In Photo 1, as an example, the housing of the Otaru-S station is shown; that is made of concrete blocks.

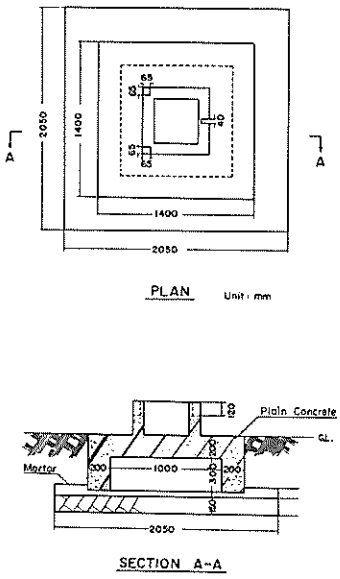


Fig. 2 Foundation for Accelerograph (SMAC-B2)

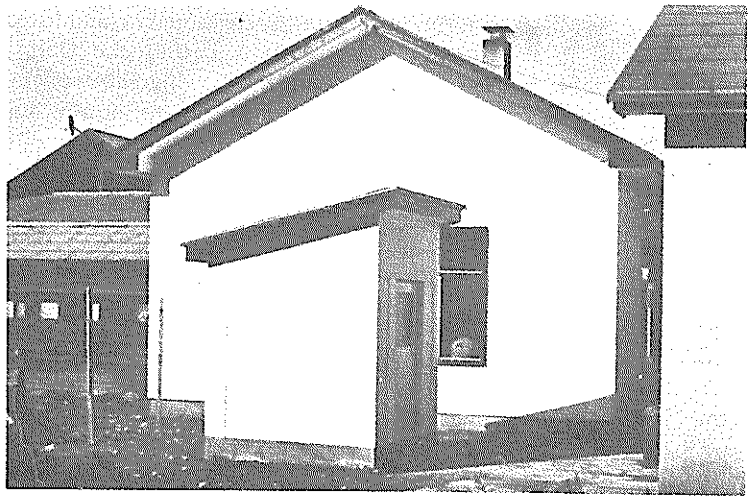


Photo 1 Housing of Otaru-S Station

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.

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 1.

Table 1 Classification of Earthquakes (After Ref. 11)

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

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

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

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 2.

Table 2 JMA Seismic Intensity Scale (After Ref. 11)

O: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, overturing 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. Reproduced Accelerogram

The reproduced accelerograms in this report are offsets of full size from the original accelerograms. Therefore, 1 cm along the time axis corresponds to 1 second, and 1 cm of amplitude to 125 gals.

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

5. Digitized Record

The Earthquake Resistant Structures Laboratory intends to digitize all the accelerograms with maximum acceleration larger than 50 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.

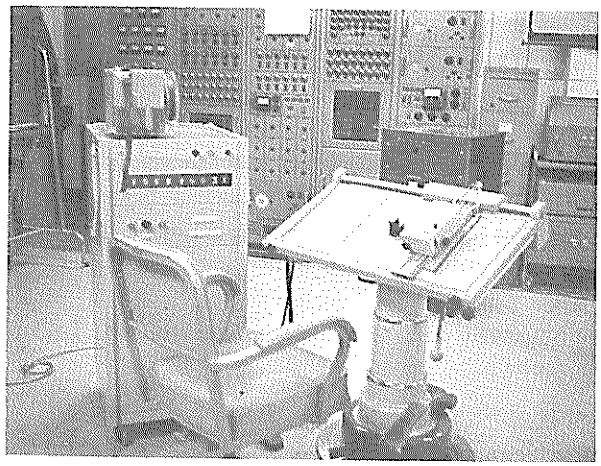


Photo 2 Accelerogram Digitizer

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 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 new procedure which is a step by step calculation of the exact solution to the governing differential equation. 12) 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. The length of the record in the authors' calculation is limited within about 35 seconds. 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:

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

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

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

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

in which $f(t)$ is the periodic function; and T is the period. Although this series is, in principle, applicable only to a periodic function and no earthquake is periodic, the coefficients a_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,

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

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.

Acknowledgements

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

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Observation Results
and
Preliminary Analyses

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 02:33 January 21, 1970	Intensities
Location of Hypocenter	V Urakawa
Epicentral Region S Part of Hokkaido	IV Hachinohe Tomakomai
Latitude 42.4°N	III Kushiro Otaru Aomori
Longitude 143.1°E	II Muroran Miyako
Depth 50 km	I Ofunado Sakata Onahama
Class Remarkable	
Magnitude 6.7	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Muroran-S	on ground	S-515	33	34	13	
Hachinohe-S	on ground	S-516	20	13	8	
Otaru-S	on ground	S-517	13	15	6	
Kushiro-S	on ground	S-518	43	33	11	
Tomakomai-S	on ground	S-519	31	35	16	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 19:17 February 4, 1970	Intensities
Location of Hypocenter	III Mito
Epicentral Region Kashimanada	II Tokyo Chiba Onahama
Latitude 36.4°N	I Fukushima
Longitude 140.8°E	
Depth 40 km	
Class Moderate	
Magnitude 4.8	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kashima-S	on ground	S-532	12	10	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	19:40 February 10, 1970	Intensities	
Location of Hypocenter		III	Tokyo Chiba
Epicentral Region	SW Part of Ibaraki Pref.	II	Choshi
Latitude	36.2°N	I	Onahama Yokohama
Longitude	140.2°E		
Depth	70 km		
Class	Small felt area		
Magnitude			

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Chiba-S	on ground	S-531	3	3	1	
Kachima-S	on ground	S-533	23	29	6	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	13:01 February 15, 1970	Intensities	
Location of Hypocenter		III	Onahama
Epicentral Region	Off Fukushima Pref.	II	Miyako Tokyo
Latitude	37.4°N	I	Ofunado Chiba
Longitude	141.5°E		
Depth	50 km		
Class	Remarkable		
Magnitude	5.1		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Yamashita-hen-S	on ground	S-534	--	3	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 19:13 February 27, 1970 Location of Hypocenter Epicentral Region Coast of Toyama Pref. Latitude 37.0°N Longitude 137.7°E Depth 0 Class Moderate Magnitude 5.1	Intensities III Toyama II Kanazawa I Nagoya

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kanazawa-S	on ground	S-535	4	4	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 23:23 April 1, 1970 Location of Hypocenter Epicentral Region Coast of Iwate Pref. Latitude 39.8°N Longitude 142.1°E Depth 80 km Class Remarkable Magnitude	Intensities IV Miyako III Hachinohe Ofunado II Sakata Akita Aomori Cnahama I Kushiro Muroran Tokyo

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hachinohe-S	on ground	S-536	29	20	13	
Miyako-S	on ground	S-537	111	86	41	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 23:52 May 17, 1970 Location of Hypocenter Epicentral Region SE Off Boso Pen. Latitude 34.6°N Longitude 141.2°E Depth 70 km Class Remarkable Magnitude	Intensities I Tokyo Onahama Chiba Yokohama

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Yamashita-hen-S	on ground	S-539	--	2	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 17:09 May 21, 1970 Location of Hypocenter Epicentral Region South Gifu Pref. Latitude 35.3°N Longitude 136.5°E Depth 10 km Class Small felt area Magnitude 4.8	Intensities III Nagoya II Tsuruga I Osaka Kobe

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Tsuruga-S	on ground	S-540	6	7	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	04:05 May 28, 1970
Location of Hypocenter	
Epicentral Region	Off Iwate Pref.
Latitude	40.2°N
Longitude	143.3°E
Depth	30 km
Class	Remarkable
Magnitude	6.2

Intensities

III Hachinohe Aomori
II Miyako Ofunado
I Akita Kushiro Onahama Muroran Tomakomai

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hachinohe-S	on ground	S-541	9	9	6	
Tomakomai-S	on ground	S-542	3	6	1	
Muroran-S	on ground	S-543	8	8	2	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	07:41 July 26, 1970
Location of Hypocenter	
Epicentral Region	Off Miyazaki Pref.
Latitude	32.1°N
Longitude	132.0°E
Depth	10 km
Class	Remarkable
Magnitude	6.7

Intensities

V Miyazaki
IV Nobeoka
III Kagoshima
II Tokushima
I Kochi

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hososhima-S	on ground	S-544	85	119	30	
Kochi-S	on ground	S-550	--	--	--	
Kagoshima-S	on ground	S-551	16	23	4	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 16:10 July 26, 1970 Location of Hypocenter Epicentral Region Off Miyazaki Pref. Latitude 32.1°N Longitude 132.1°E Depth 10 km Class Remarkable Magnitude 6.1	Intensities IV Miyazaki III Kagoshima Nobeoka II Fukuoka I Kochi

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hososhima-S	on ground	S-545	48	50	9	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 18:45 September 14, 1970 Location of Hypocenter Epicentral Region Off Miyagi Pref. Latitude 38.7°N Longitude 142.3°E Depth 40 km Class Remarkable Magnitude 6.2	Intensities IV Ofunado Miyako III Onahama Hachinohe II Akita Chiba Yokohama Sakata Aomori I Kushiro Tomakomai

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Miyako-S	on ground	S-553	39	31	13	
Ofunado-bochi-S	on ground	S-554	24	65	20	
Hachinohe-S	on ground	S-555	14	13	4	
Onahama-S	on ground	S-573	5	7	3	
Ofunado-bo-S	on structure	S-569	90	163	29	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time 04:26 September 30, 1970 Location of Hypocenter Epicentral Region E of Kanagawa Pref. Latitude 35.5°N Longitude 139.6°E Depth 40 km Class Small felt area Magnitude 4.8	Intensities III Tokyo Chiba Yokohama II Tateyama I Choshi

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Keihin-ji-S	on ground	S-558	16	26	4	
Yamashita-hen-S	on ground	S-559	38	31	12	
Yamashita-dai6-S	on structure	S-560	10	16	9	
Chiba-S	on ground	S-561	15	15	3	
Shinagawa-S	on ground	S-574	9	9	4	

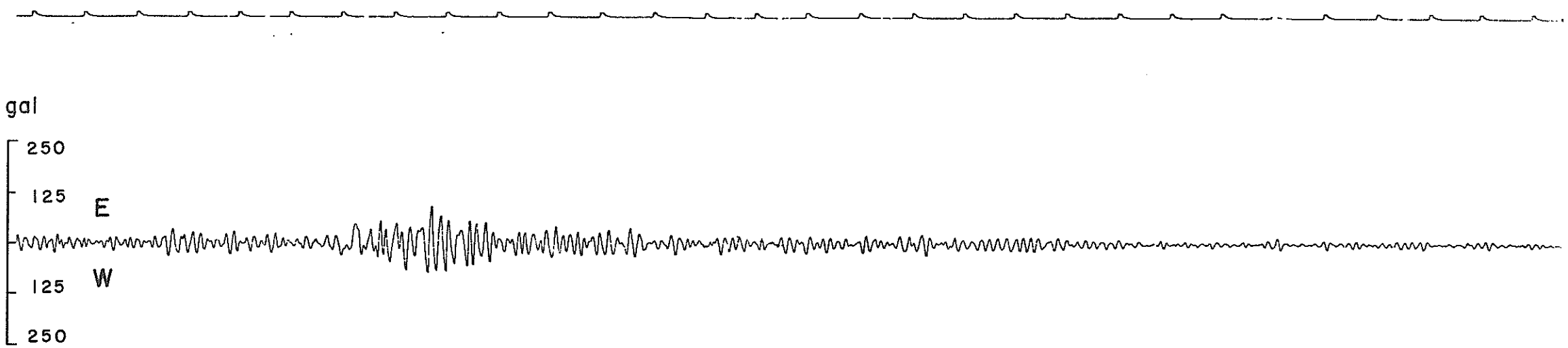
STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

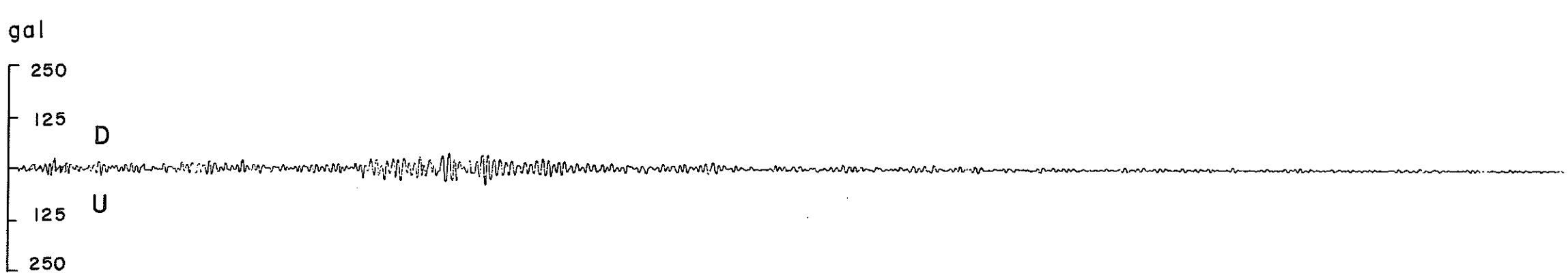
EARTHQUAKE DATA

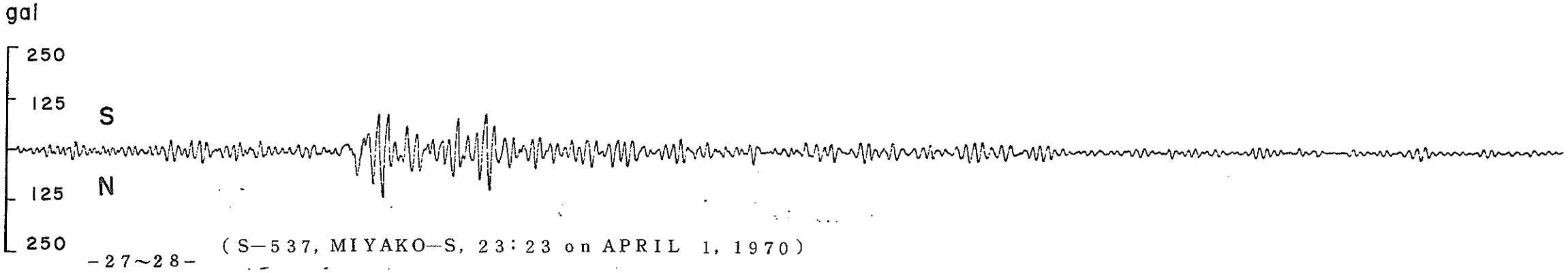
Date and Time 14:26 October 16, 1970 Location of Hypocenter Epicentral Region SE of Akita Pref. Latitude 39.2°N Longitude 140.8°E Depth 0 Class Remarkable Magnitude 6.2	Intensities IV Sakata Miyako III Akita Ofunado Niigata Hachinohe Aomori II Onahama I Tokyo Toyama

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Miyako-S	on ground	S-562	39	--	--	
Sakata-S	on ground	S-564	13	23	11	
Hachinohe-S	on ground	S-566	9	8	4	
Niigata-S	on ground	S-567	6	9	1	







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2	5,10	=5,60	7,72	14,93	4,28	10,99	14,05	1,00	6,39	18,73
3	5,25	=4,99	1,70	15,48	=1,30	6,94	12,98	4,62	5,29	9,13
4	=2,80	=2,90	=3,90	13,06	=6,88	1,30	12,19	9,19	4,30	=5,32
5	=2,30	=4,30	=4,70	9,34	=4,97	=2,90	2,99	24,23	3,70	=8,62
6	=2,98	=3,19	=4,69	6,01	=0,20	=5,39	=0,70	25,32	3,81	=9,58
7	6,68	=0,60	=2,59	=5,11	4,83	=3,99	=6,94	26,45	7,02	=8,34
8	5,10	5,82	1,40	=6,10	10,01	=1,00	=11,03	24,29	8,60	=4,18
9	5,00	8,90	5,03	=6,39	14,79	2,00	=15,91	19,04	8,78	1,80
10	5,00	8,98	9,93	=4,99	10,56	4,21	=19,33	13,64	7,77	5,00
11	5,00	7,96	11,35	=2,99	9,07	6,20	=16,78	=8,93	5,28	5,07
12	4,61	5,08	9,36	0,50	7,33	6,60	=7,19	=10,84	2,00	0,40
13	5,80	1,30	6,91	3,41	1,30	6,90	2,83	=12,32	=1,70	=2,90
14	6,26	=1,50	=1,60	7,70	=1,20	6,69	20,71	=12,82	=4,73	=4,70
15	1,30	=2,30	=7,60	7,55	=3,70	5,29	24,96	=13,23	=10,98	=4,18
16	=6,68	=1,00	=7,85	3,84	=3,30	4,10	26,13	=11,29	=13,90	1,00
17	=4,58	2,00	=3,99	0,10	=2,99	3,09	26,93	=6,96	=13,80	3,01
18	=0,20	5,00	=1,40	=1,70	2,60	=0,30	25,98	13,79	=8,83	7,04
19	4,30	5,00	1,80	=1,60	0,70	=1,70	18,69	18,70	1,00	10,50
20	5,11	5,10	5,73	=1,00	=0,30	=2,70	9,77	23,76	9,77	10,70
21	6,73	5,01	9,40	8,52	0,80	=2,10	=0,90	25,13	12,92	10,69
22	10,24	7,74	9,50	9,50	1,00	=0,30	=4,93	26,39	13,64	10,00
23	11,95	10,79	9,72	9,51	1,60	1,50	=10,87	24,53	14,50	5,59
24	10,34	10,15	10,71	9,77	5,62	2,61	=13,86	18,19	14,37	4,80
25	3,69	7,93	11,10	8,14	8,93	7,01	=17,82	=3,03	11,47	4,70
26	=0,70	3,08	10,87	4,28	10,41	8,04	=18,35	=16,75	6,94	4,19
27	=3,20	=4,93	2,30	0,30	10,69	10,92	=4,19	=24,04	1,30	0,70
28	=3,69	=10,94	=0,60	=2,80	10,35	11,70	=0,40	=15,11	=2,31	=0,90
29	=10,77	=12,55	=10,95	=1,10	8,34	8,37	=1,00	=11,32	=7,97	=5,33
30	=2,00	=10,64	=13,09	=0,20	4,28	6,45	13,27	=4,95	=12,90	=10,35
31	=0,80	3,31	=17,93	1,70	0,10	1,10	15,10	4,25	=12,86	=12,73
32	=0,40	9,17	=16,88	0,10	=2,30	=4,31	14,91	17,29	=8,83	=13,50
33	=2,99	13,29	=14,40	=2,90	=5,71	=6,09	13,15	22,90	1,00	=13,60
34	4,71	15,47	=1,99	=4,70	=7,70	=5,39	16,56	22,90	6,84	=13,52
35	7,69	14,73	12,05	=4,78	=7,76	=2,99	9,40	22,27	10,75	=11,24
36	6,57	11,01	22,86	=1,40	=4,96	0,00	4,08	16,55	13,02	=1,89
37	3,69	4,08	24,09	=0,30	2,81	12,76	=0,50	9,26	16,35	8,31
38	1,40	=1,60	23,66	0,80	7,04	14,54	=3,90	2,09	16,86	16,16
39	0,70	=3,60	20,30	12,38	10,64	15,20	=5,29	=3,92	12,98	24,11
40	1,20	=3,60	10,89	14,81	12,39	13,03	=4,19	=9,34	6,90	25,66
41	1,60	=2,20	1,10	14,91	12,00	8,32	=1,00	=11,58	=2,72	25,31
42	2,00	0,00	=2,91	12,79	11,92	3,09	2,61	=10,90	=13,19	20,24
43	2,00	0,30	=6,92	6,97	9,09	=0,90	7,02	=6,95	=20,55	12,02
44	4,60	=2,90	=8,69	3,69	3,09	=4,20	9,00	=2,00	=18,56	0,30
45	4,80	=5,28	=7,95	0,30	=1,90	=4,20	8,97	0,20	=12,65	=6,95
46	5,81	=1,40	=4,59	=1,80	=3,90	=3,40	6,97	1,20	=2,98	=11,99
47	6,82	6,24	=3,10	=1,50	=4,69	=2,99	3,86	1,40	5,04	=11,65
48	8,69	10,99	=1,40	1,35	=2,80	0,40	=9,52	2,20	12,68	=9,92
49	7,95	14,50	2,81	4,21	=0,90	3,02	=10,36	4,01	15,28	=6,30
50	4,27	14,25	7,36	6,20	15,00	10,97	=4,39	6,00	22,40	=6,30

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DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

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2	-0,29	-4,71	-5,59	15,99	9,26	-0,90	-1,50	29,64	0,60	-24,15
3	-5,06	-6,00	-4,60	17,52	-8,10	-13,19	2,00	26,84	10,09	-20,90
4	2,91	-5,69	-3,60	17,80	-30,41	-20,73	6,01	13,32	19,46	-13,12
5	9,96	-5,18	-3,60	17,84	-47,13	-20,67	7,00	8,32	32,32	-10,90
6	12,90	-2,00	-4,70	18,44	-64,82	-17,20	7,11	-20,76	46,33	-6,96
7	12,68	-0,40	-5,49	18,94	-76,50	-13,95	8,11	-40,13	45,56	-2,99
8	9,11	1,00	-3,59	19,40	-70,78	-8,15	8,91	-45,22	42,04	2,22
9	4,08	2,60	-1,30	19,29	-56,19	-11,30	9,67	-52,67	34,79	19,87
10	-0,90	6,08	4,01	17,76	-35,96	-11,30	13,31	-57,14	21,50	24,55
11	-4,91	9,45	7,93	14,28	-10,48	-11,30	18,75	-52,61	-17,22	29,51
12	-7,70	11,99	10,32	11,49	16,54	-11,44	19,29	-37,04	-51,85	32,02
13	-7,67	15,03	11,10	7,57	46,77	-13,35	17,50	-13,98	-63,57	30,71
14	-4,98	17,42	11,07	5,01	72,68	-24,22	10,24	7,24	-65,67	27,06
15	-1,30	15,89	9,97	7,00	85,67	-21,95	3,29	31,13	-64,90	20,76
16	3,01	10,33	3,29	6,95	91,34	-12,13	-1,90	47,97	-42,32	8,93
17	9,72	3,28	-0,10	2,50	86,98	12,21	-2,30	73,99	-17,46	5,06
18	10,92	-4,91	-0,70	0,30	70,47	35,73	1,82	78,11	4,71	-1,71
19	11,80	-6,72	-0,70	-4,31	46,75	45,16	24,15	81,35	27,19	-11,17
20	11,62	-9,04	-0,70	-6,39	16,25	59,39	29,21	68,86	52,91	-21,71
21	8,87	-11,33	0,20	-5,00	-20,43	62,13	31,19	58,67	66,61	-30,46
22	1,10	-12,40	1,30	-5,33	-57,51	60,04	28,46	8,47	81,72	-37,05
23	-2,90	-12,42	3,60	-11,44	-91,48	47,86	19,27	-21,29	90,70	-36,50
24	-4,60	-9,84	4,59	-32,42	-114,66	32,25	-0,90	-34,39	88,25	-28,87
25	-4,70	-2,19	1,70	-50,96	-95,44	16,03	-12,52	-30,33	78,00	-11,44
26	-4,69	5,02	-1,50	-55,17	-70,69	0,30	-16,13	-24,85	66,39	-5,93
27	-6,39	9,13	-4,60	-51,35	-45,93	-8,04	-18,47	-17,12	27,18	3,05
28	-1,00	10,60	-4,40	-45,37	-21,12	-18,36	-20,68	-12,82	-15,27	25,45
29	0,60	10,58	-3,20	-38,39	4,08	-30,11	-20,28	-7,99	-50,96	29,71
30	2,91	9,76	-2,80	-31,87	27,92	-44,56	-17,69	-7,16	-86,39	32,26
31	7,02	7,95	-1,40	-25,35	52,06	-44,72	-12,74	-12,73	-88,76	27,83
32	9,11	4,29	0,00	-14,44	66,44	-40,21	2,00	-13,58	-77,86	19,39
33	9,46	1,70	2,61	-8,85	79,14	-31,87	7,57	-12,51	-62,86	-5,77
34	7,55	-3,72	7,06	0,00	86,83	-19,31	13,31	1,20	-41,24	-15,54
35	3,29	-11,01	9,47	12,20	90,41	-1,39	18,84	11,14	-16,82	-14,47
36	-0,90	-15,24	7,76	18,65	82,84	12,67	20,61	20,63	13,43	-13,79
37	-2,90	-13,76	2,30	23,46	67,92	24,60	20,95	31,50	39,83	-13,16
38	-6,00	-7,68	-2,10	27,90	31,90	36,68	23,54	38,51	51,85	-4,39
39	-2,00	1,00	-4,60	33,02	-4,08	40,43	24,93	38,70	58,41	-2,00
40	-0,80	8,53	-4,91	31,99	-24,66	42,55	26,26	35,22	61,51	-1,30
41	-1,60	10,75	-6,31	25,71	-30,04	41,52	20,50	28,60	58,31	5,68
42	-1,40	12,85	-7,91	17,86	-34,80	35,29	11,33	20,64	47,10	3,10
43	-1,00	14,66	-9,00	16,36	-30,44	19,42	2,07	-0,30	29,22	1,50
44	2,01	16,21	-8,94	25,63	-13,61	-1,72	-27,25	-7,80	2,58	-0,50
45	6,33	16,32	-9,56	37,66	2,31	-31,00	-26,29	-15,71	-8,16	-0,20
46	10,51	14,74	1,00	42,84	10,29	-43,88	-21,30	-17,84	-18,77	9,47
47	10,97	9,29	7,83	44,70	16,08	-42,97	-12,62	-19,70	-19,67	12,94
48	9,94	3,08	10,44	43,07	23,47	-37,05	-1,99	-19,69	-20,66	13,92
49	6,91	-3,71	12,23	38,79	23,20	-26,40	4,69	-19,42	-22,47	14,20
50	-1,30	-7,30	13,25	33,64	16,58	-21,46	22,40	-17,14	-24,12	11,91

RECORD=S-537 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	8,97	16,71	-12,79	-2,10	-10,67	2,00	19,68	21,93	-3,59	12,36
2	6,95	11,86	-4,38	-4,32	2,00	3,01	2,09	20,11	1,80	11,10
3	2,10	4,04	1,50	-8,21	7,09	5,60	-8,81	15,90	8,94	11,10
4	-0,30	-12,88	11,13	-8,69	15,23	6,31	-15,59	-2,01	11,22	11,07
5	-4,74	-18,60	12,41	-7,88	22,02	7,00	-21,20	-10,63	12,04	9,71
6	-12,70	-25,87	12,47	1,00	26,59	7,40	-23,30	-12,03	13,20	5,46
7	-15,86	-24,45	8,65	3,01	27,08	7,77	-17,28	-12,90	13,11	-0,90
8	-20,58	-18,85	-0,70	7,08	26,26	5,79	-6,94	-12,79	10,73	-2,70
9	-20,99	-5,37	-5,75	14,75	21,35	4,39	-1,00	-6,94	7,75	-2,70
10	-16,59	0,00	-13,28	19,86	14,99	1,30	5,02	-1,40	3,69	-1,50
11	-9,78	9,96	-23,49	20,57	6,79	-6,77	9,64	-1,00	0,30	-0,30
12	0,60	12,61	-27,75	21,28	-12,85	-13,59	11,39	1,80	-2,91	-0,00
13	13,03	15,92	-24,80	20,76	-16,91	-15,66	10,97	5,01	-5,98	-0,60
14	24,20	19,76	-10,54	17,04	-16,94	-14,51	9,78	6,82	-2,80	-2,10
15	25,31	20,31	7,09	11,43	-15,89	-4,27	8,76	8,50	0,20	-4,98
16	28,15	18,16	15,35	2,10	-13,80	4,23	6,18	8,39	4,02	-1,60
17	27,90	2,69	23,98	-2,91	-8,93	12,78	3,30	7,38	8,80	-0,10
18	19,18	-2,91	26,63	-10,83	-4,97	15,00	3,30	6,08	8,98	0,20
19	4,46	-7,72	28,18	-16,88	1,08	17,00	3,30	3,69	7,96	0,50
20	-4,70	-9,49	27,93	-32,79	2,60	18,45	2,30	1,20	5,08	0,10
21	-37,53	-8,98	26,95	-28,01	3,00	17,61	1,60	1,60	1,30	-0,50
22	-37,22	-7,98	25,86	-20,32	4,01	14,87	0,80	3,00	-1,70	-1,30
23	-30,96	-6,28	24,62	-10,96	6,23	11,80	0,70	4,50	-3,60	0,20
24	-21,32	-3,39	23,66	4,84	9,74	-0,80	0,10	4,09	-3,60	1,20
25	-4,92	2,00	18,38	12,42	11,93	-5,73	-12,94	2,29	-3,30	2,40
26	10,45	7,04	-0,60	19,30	12,91	-10,35	-13,88	-2,30	-2,80	1,30
27	25,13	10,41	-4,76	23,96	13,20	-12,72	-10,82	-2,20	-1,70	-0,20
28	29,08	10,70	-18,01	24,75	13,23	-13,31	-3,99	-2,90	-2,90	-1,70
29	32,33	10,78	-33,06	27,22	13,94	-10,86	0,00	-4,51	-4,00	-3,10
30	33,93	9,96	-35,60	28,57	14,90	-5,35	7,02	-6,94	-3,99	-1,20
31	30,38	7,88	-32,66	24,57	14,68	2,01	8,91	-10,58	-1,50	1,60
32	22,03	-0,90	-22,38	9,05	7,90	9,74	9,71	-9,53	3,01	6,03
33	12,61	-6,98	-7,93	0,60	0,30	11,64	10,41	-5,88	9,84	9,42
34	1,70	-14,12	-2,97	-7,79	-4,71	16,30	10,94	9,47	16,40	10,18
35	-1,91	-10,03	12,82	-15,01	-7,81	17,85	12,52	13,33	17,86	9,33
36	-14,62	-2,59	21,79	-19,97	-8,70	16,85	12,99	13,97	15,84	5,67
37	-12,93	2,62	24,01	-9,09	-8,87	12,80	9,94	12,99	12,57	1,70
38	-10,83	13,70	26,62	-2,99	-7,36	7,24	6,93	4,69	0,60	-0,80
39	-4,18	19,00	28,34	4,05	-3,99	-6,35	0,10	2,80	-8,01	-2,70
40	0,40	25,17	11,47	18,18	0,00	-12,45	-5,73	3,30	-16,30	-3,90
41	2,50	27,07	6,93	22,10	5,01	-17,16	-9,88	3,30	-23,50	-3,40
42	3,40	27,51	0,30	24,15	7,40	-23,76	-9,11	3,30	-28,17	-2,60
43	2,10	24,00	-2,90	21,69	6,97	-21,50	-9,92	3,29	-28,15	-3,30
44	0,60	16,19	-3,30	14,45	4,28	-15,92	-10,95	-1,70	-22,54	-3,70
45	3,01	3,09	-1,50	-4,35	-0,10	1,61	-8,93	-5,41	-10,72	-4,00
46	7,07	-2,72	0,10	-17,08	-0,50	13,46	-4,98	-7,52	0,00	-3,00
47	13,64	-15,25	3,00	-23,31	-0,70	27,55	-1,39	-9,32	10,75	-1,60
48	17,08	-16,35	3,60	-28,68	-1,70	31,13	16,08	-10,29	12,75	1,00
49	19,78	-18,67	3,90	-32,30	-2,00	31,37	22,59	-9,95	14,17	5,02
50	19,39	-16,77	2,39	-29,18	0,00	27,74	23,16	-7,36	13,36	9,30

RECORD=S-567 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-25 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	9,49	-9,50	-14,65	-2,72	-15,65	-4,73	-5,39	5,23	6,96	-3,20
2	6,98	-9,48	-7,61	-12,92	-12,65	-10,94	-3,19	-5,97	3,09	-2,70
3	7,55	-8,39	9,40	-19,36	-3,07	-12,32	0,80	-15,30	0,10	-1,00
4	3,80	-7,73	7,04	-24,63	4,50	-12,97	2,61	-21,17	-1,90	-0,30
5	2,70	-9,61	10,61	-24,57	11,91	-13,55	0,21	-23,70	-4,31	-0,30
6	0,90	-11,29	11,10	-21,05	18,77	-12,20	7,01	-23,38	-6,72	-1,60
7	-0,70	-9,92	10,96	-12,58	22,09	-8,92	7,69	-20,20	-8,73	-1,50
8	-3,61	-8,57	9,40	-1,00	21,65	-4,20	6,97	-11,77	-10,31	-1,50
9	-7,93	-7,99	9,28	9,00	17,91	-2,89	4,29	-4,37	-10,80	-0,70
10	-10,40	1,00	8,22	15,17	9,74	2,31	2,50	2,01	-10,76	2,00
11	-10,63	7,16	5,10	20,42	-2,61	7,54	1,10	8,79	-9,11	6,81
12	-7,14	12,65	0,70	21,58	-8,77	10,93	0,30	14,55	-4,19	8,10
13	-1,40	17,08	-0,60	20,99	-13,01	12,11	-0,80	20,13	-2,19	8,09
14	2,41	19,77	-0,70	16,23	-15,85	12,45	-1,50	22,61	3,01	7,29
15	7,03	19,13	-0,80	8,67	-14,90	10,90	-1,70	22,56	9,67	6,09
16	10,19	15,66	-0,60	-7,75	-13,60	7,13	-2,00	20,93	13,03	5,19
17	9,56	13,21	0,40	-11,77	-8,91	0,90	-2,90	15,55	16,58	4,29
18	4,28	9,23	0,60	-16,88	-4,00	-3,01	-4,91	8,80	17,90	1,80
19	-0,80	-5,42	-0,90	-8,87	-2,99	-6,96	-6,30	-7,70	17,67	-1,60
20	-6,90	-12,27	-3,60	-1,20	0,00	-10,36	-6,59	-16,10	14,13	-7,25
21	-4,00	-21,46	-4,59	3,81	4,82	-12,91	-5,78	-22,90	7,91	-11,32
22	-6,90	-21,69	-6,40	7,01	8,41	-13,20	-3,60	-22,30	1,10	-12,11
23	-2,70	-17,80	-3,00	7,89	9,11	-12,94	-2,10	-16,91	-5,75	-9,09
24	0,50	-14,65	-2,40	7,39	9,50	-5,91	0,60	-10,75	-12,71	-3,19
25	3,01	-7,54	-2,00	6,19	9,38	6,07	5,01	-1,00	-15,88	2,30
26	6,30	-2,01	-1,20	5,29	8,49	14,36	7,04	3,02	-19,00	6,04
27	8,29	-11,60	1,00	3,70	8,08	15,79	10,95	11,06	-18,70	10,77
28	5,68	7,05	5,82	2,10	6,94	16,91	12,72	17,26	-14,74	13,42
29	3,29	11,42	7,90	-2,91	1,60	10,76	13,35	22,76	-9,28	13,88
30	0,40	11,93	8,50	-9,71	-0,90	0,20	11,92	23,80	-2,99	10,90
31	-0,40	9,47	6,44	-10,18	-2,70	-4,02	9,15	23,24	2,61	6,90
32	-0,70	5,58	4,29	-9,34	-4,20	-9,99	6,28	18,34	7,05	-2,71
33	-1,40	-2,60	2,30	-5,97	-4,41	-14,04	3,49	9,82	11,55	-10,78
34	-3,71	-5,52	0,10	-1,80	-5,70	-14,81	-0,90	1,30	13,39	-14,02
35	-5,72	-7,90	-2,60	2,00	-6,30	-10,80	-5,75	-3,21	15,79	-16,86
36	-8,13	-7,95	-4,92	3,80	-6,70	-2,99	-12,26	-7,94	17,26	-17,54
37	-9,89	-8,98	-9,53	5,01	-6,70	1,60	-14,12	-10,95	16,51	-13,47
38	-9,31	-8,70	-10,96	7,02	-6,85	4,81	-14,44	-12,74	14,81	-5,36
39	-4,37	-6,61	-11,90	8,92	-6,94	6,70	-13,13	-13,78	10,81	1,00
40	3,02	-2,50	-11,81	9,76	-1,00	6,80	-11,36	-13,20	3,28	8,39
41	11,03	1,90	-8,87	7,59	0,80	6,70	-9,95	-10,49	-4,91	14,64
42	16,18	4,41	-1,20	6,95	3,40	6,29	-7,35	-7,72	-6,91	17,50
43	21,07	8,72	3,61	2,28	4,81	5,70	-2,99	-1,80	-7,70	17,42
44	22,70	15,00	10,61	1,30	6,21	5,09	3,01	0,80	-7,69	15,89
45	22,61	19,70	15,20	0,30	7,02	3,60	10,43	6,03	-6,80	10,21
46	18,33	-0,90	21,05	-0,90	8,52	1,80	16,09	9,72	-6,29	2,19
47	9,53	-11,19	22,64	-3,72	9,90	0,30	19,31	10,93	-5,19	-5,76
48	1,50	-21,60	20,46	-10,39	9,76	-2,41	19,32	11,98	-4,20	-14,64
49	-7,03	-28,60	14,54	-14,46	7,72	-6,61	18,02	11,48	-3,30	-19,83
50	-9,50	-22,05	5,56	-15,71	1,60	-8,06	12,73	10,71	-3,30	-20,67

RECORD=S-537 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-15,18	2,40	-5,98	-5,39	-8,66	4,20	0,00	-2,80	9,93	-4,40
2	-10,82	1,10	-2,99	-4,28	-6,68	5,00	1,00	-2,90	11,36	-3,80
3	-3,79	-0,40	0,20	0,00	-3,99	5,40	3,70	-2,40	9,95	-3,29
4	0,60	-1,30	1,00	2,20	-1,00	5,39	4,09	-1,60	7,34	-1,00
5	7,04	-1,90	1,60	3,79	-0,20	4,30	2,30	-1,30	2,39	1,60
6	10,83	-2,40	2,20	1,80	2,50	3,39	1,30	-1,30	-2,71	4,81
7	15,84	-2,90	3,81	1,20	4,00	0,30	0,40	-1,00	-10,54	6,40
8	16,17	-2,90	5,51	1,20	5,20	-1,80	-0,50	0,80	-12,24	6,69
9	16,20	-3,20	6,70	1,20	5,30	-3,10	-0,40	1,80	-13,30	5,28
10	12,67	-1,20	6,78	2,80	4,59	-3,10	3,00	2,30	-13,08	2,10
11	8,78	0,50	4,60	4,80	2,70	-1,40	4,00	3,60	-9,90	0,10
12	1,60	1,90	3,70	4,80	1,30	0,30	5,01	3,80	-5,38	-2,50
13	-5,43	2,00	3,00	4,80	-0,20	2,00	6,20	3,90	-2,09	-3,30
14	-10,81	2,00	2,60	4,80	-1,80	3,70	6,30	3,10	9,37	-3,00
15	-14,81	2,00	2,00	4,60	-2,00	4,30	6,25	2,10	12,92	-1,40
16	-12,72	3,00	0,70	3,99	-2,00	4,29	0,70	1,20	13,37	0,20
17	-4,97	3,80	-1,90	0,80	-1,50	1,90	-0,90	-0,20	12,62	0,10
18	0,60	4,30	-4,50	-1,60	-0,40	-2,00	-2,30	0,00	10,26	0,20
19	5,01	3,69	-4,80	-7,72	0,20	-5,72	-3,30	0,80	4,28	0,20
20	7,01	0,70	-4,29	-8,90	1,00	-7,90	-4,20	2,00	-0,70	0,10
21	6,30	-0,70	-2,90	-8,73	1,80	-7,86	-4,90	2,70	-3,32	0,20
22	8,08	-1,90	-2,40	-4,39	1,90	-4,78	-5,40	1,00	-12,33	-0,20
23	6,96	-1,20	-2,30	-3,00	1,90	-1,40	-4,99	2,40	-13,21	0,00
24	3,09	0,80	-2,70	-1,00	1,70	1,60	-3,39	1,70	-10,74	1,00
25	0,30	3,60	-3,00	4,61	0,60	5,01	-1,00	0,30	-8,25	1,40
26	-1,90	3,80	-2,40	7,70	-1,90	7,50	2,00	-1,50	-4,58	-2,99
27	-4,90	3,60	-0,70	7,91	-3,30	7,80	6,02	-2,70	-1,00	0,90
28	-5,60	3,20	2,00	8,68	-3,30	7,78	8,32	-3,30	5,73	-0,90
29	-5,70	2,70	4,20	7,27	-2,20	5,88	9,50	-3,40	10,31	-2,70
30	-5,99	2,20	4,90	4,99	-1,30	2,60	9,69	-3,05	10,78	-2,90
31	-5,19	-0,70	5,59	3,09	-2,20	-0,70	9,06	-2,70	9,78	-2,90
32	-2,99	-4,31	4,69	0,30	-2,70	-5,83	6,97	-3,00	8,40	-2,90
33	1,00	-6,71	2,10	-2,91	-2,30	-9,50	4,08	-0,90	-4,52	-2,90
34	3,01	-7,40	-0,40	-5,73	-1,70	-9,42	-0,30	-0,10	-8,48	-2,90
35	6,41	-7,26	-1,60	-10,31	-1,10	-5,37	-3,91	0,90	-7,50	-2,90
36	7,73	-3,40	-2,90	-10,71	-0,30	-0,30	-6,91	1,60	-7,30	-2,90
37	9,80	-3,00	-1,20	-10,90	-0,30	1,60	-7,69	2,40	-7,28	-2,40
38	9,80	-2,40	0,50	-6,96	3,20	6,82	-6,98	2,70	-5,09	-0,60
39	9,78	-2,00	2,80	-3,19	4,72	8,92	-4,98	2,90	-3,39	1,00
40	8,90	-1,10	3,80	-0,20	9,08	10,20	-2,00	2,30	-1,00	2,41
41	8,09	1,80	5,10	4,01	8,03	10,18	0,00	1,10	3,01	8,31
42	-0,90	4,71	5,20	7,03	3,39	9,14	2,00	0,20	5,61	8,72
43	-5,80	6,09	5,10	9,60	-0,60	5,96	5,00	-5,00	7,00	9,92
44	-5,88	5,08	4,69	9,59	-8,25	0,60	5,90	-5,79	7,39	10,74
45	-3,40	2,10	1,60	9,08	-11,73	-3,31	6,19	-3,80	6,48	8,30
46	-2,20	0,30	-1,10	8,07	-12,80	-8,72	5,29	-3,00	4,29	1,40
47	-1,00	-1,40	-2,90	6,26	-12,64	-10,17	3,29	-1,00	2,10	-0,70
48	0,60	-4,21	-4,60	1,10	-8,00	-8,71	-0,00	0,00	-0,90	-2,91
49	3,00	-5,91	-5,40	-4,31	-1,00	-3,40	-1,50	2,61	-4,90	-6,71
50	3,70	-7,58	-5,40	-7,61	1,30	-1,40	-2,60	7,03	-5,39	-8,21

RECORD=S-567 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-8,88	0,70	-6,98	-7,79	5,08	-2,30	3,80	-9,23	-4,00	-6,70
2	-2,00	-0,30	-4,99	-7,18	2,20	-1,20	3,70	-7,97	-3,00	-6,67
3	0,00	-8,70	-3,00	-5,38	-0,60	-1,00	2,30	-5,98	-1,60	-3,89
4	1,00	0,00	-1,00	-2,60	-10,70	3,10	0,80	-3,39	0,80	-1,10
5	2,20	1,00	0,60	-1,40	-10,92	2,20	-0,50	-1,00	1,40	0,60
6	2,90	1,20	1,40	1,00	-11,55	3,00	-1,90	2,00	2,00	1,30
7	2,00	1,50	2,00	7,60	-9,66	3,20	-3,30	5,01	3,20	1,30
8	1,10	1,30	2,00	7,19	-7,74	4,21	-3,20	6,81	3,20	1,30
9	-0,70	1,10	2,20	6,28	-2,99	6,97	-2,00	7,50	2,90	1,20
10	-2,30	0,10	0,70	3,79	0,00	3,70	-1,30	7,89	2,90	0,80
11	-3,60	-0,60	-0,80	-0,90	3,01	2,30	-0,60	6,95	3,20	-0,30
12	-3,80	-0,90	-1,70	-2,70	7,02	1,10	0,00	1,90	3,09	-1,70
13	-2,20	-1,40	-2,30	-4,41	8,93	-1,60	0,60	-0,90	0,10	-6,10
14	-1,10	-1,00	-2,90	-5,90	10,92	-3,30	0,70	-4,31	-1,70	-6,10
15	-0,40	0,10	-5,39	-6,39	11,50	-4,29	-0,10	-6,97	-3,70	-5,77
16	0,70	-0,30	-3,69	-4,99	11,40	-2,90	-0,90	-4,20	-4,10	-2,00
17	3,00	-1,00	-1,00	-3,00	7,81	-3,80	-1,90	-3,50	-4,20	1,00
18	3,90	-1,30	-3,49	-1,00	-6,09	-3,00	-2,40	-2,10	-4,20	2,80
19	5,00	-1,20	2,00	-0,20	6,80	-1,00	-2,90	-0,20	-3,70	3,90
20	5,30	0,00	3,00	-0,20	-11,79	0,00	-3,70	0,60	-3,30	5,00
21	4,70	0,40	3,68	-0,45	-14,84	0,60	-3,70	2,10	-3,00	4,99
22	4,30	0,60	-3,00	-0,70	-17,65	1,00	-3,00	2,90	-2,00	3,29
23	3,80	1,30	-1,65	-1,10	-16,76	1,80	-1,80	3,10	-0,60	0,30
24	3,10	1,90	0,30	-2,00	-12,65	0,50	-1,20	1,10	0,20	-1,60
25	2,10	1,60	-0,70	-1,70	-2,99	-0,40	-0,30	0,30	1,60	-2,70
26	-0,70	1,30	-0,90	-0,30	0,20	-1,70	1,10	-0,90	1,90	-3,90
27	-9,38	0,80	-1,20	1,00	4,23	-2,90	0,60	-1,80	1,90	-4,30
28	-8,17	0,30	-1,70	-1,00	11,98	-4,10	1,10	-2,70	1,90	-4,30
29	-6,20	-0,30	-1,00	2,00	14,43	-5,10	1,70	-3,30	1,70	-3,70
30	-5,82	-0,80	0,40	3,60	14,82	-5,40	1,70	-4,30	1,10	-2,10
31	-7,94	-0,80	0,90	4,00	9,02	-4,98	2,10	-3,60	-0,80	-0,60
32	-8,39	-0,60	1,80	4,60	4,68	-1,40	1,10	-2,20	-4,92	1,00
33	-1,00	-0,90	2,30	4,35	0,80	-0,60	-0,60	-1,60	-8,42	2,60
34	1,00	-3,71	1,60	4,09	-1,80	0,60	-2,11	-1,40	-10,00	3,10
35	3,00	-5,71	1,30	2,60	-6,85	1,80	-7,70	-1,00	-10,10	1,80
36	3,00	-6,71	1,10	1,30	-11,32	2,30	-7,86	0,30	-10,06	-0,90
37	3,70	-7,69	-0,50	-0,90	-8,59	2,30	-4,99	0,50	-8,32	-1,60
38	2,50	-7,16	-1,50	-1,90	-7,85	1,30	-3,20	0,70	-2,79	-2,60
39	1,30	-3,99	-3,60	-4,91	-4,38	-0,30	-1,00	1,40	1,00	-2,90
40	0,10	-2,00	-5,28	-7,69	0,00	-0,70	1,20	2,40	4,00	-2,90
41	-0,30	0,20	-2,30	-7,18	2,10	-0,90	3,01	2,80	5,00	-3,30
42	-0,70	4,01	0,40	-5,39	3,20	-1,70	6,61	3,20	5,80	-3,30
43	-1,20	7,01	1,80	-3,30	4,00	-2,90	8,20	3,10	5,79	-1,60
44	-1,30	8,11	3,11	-1,90	4,09	-3,90	8,20	1,30	4,90	-0,60
45	-2,30	8,57	5,60	0,80	1,10	-5,30	8,10	0,10	4,10	0,30
46	-1,70	6,69	5,89	3,00	-0,90	-4,99	1,10	-1,70	3,30	0,30
47	-1,00	5,66	4,29	5,21	-2,90	-2,40	-1,60	-2,90	1,30	0,30
48	-0,40	0,30	1,50	7,01	-5,30	-1,00	-2,81	-5,50	-2,70	0,70
49	0,00	-2,91	-4,71	7,90	-4,99	1,00	-6,94	-6,20	-5,01	0,70
50	0,20	-7,10	-7,70	7,86	-2,80	2,00	-10,47	-6,08	-6,20	1,20

RECORD=S-537 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	1,40	4,69	-4,50	1,30	1,80	7,00	-0,70	-7,20	-2,00	2,10
2	1,80	2,10	-4,10	0,20	3,00	7,10	0,60	-6,98	-1,00	0,70
3	1,90	-2,70	-2,99	-0,90	3,90	7,08	0,70	-4,99	-0,40	-1,30
4	1,80	-4,50	1,00	-1,70	3,50	5,48	1,00	-2,30	0,40	-2,90
5	0,30	-4,50	4,40	-2,30	1,80	3,09	1,60	0,20	1,80	-4,30
6	-1,60	-3,69	5,40	-2,50	0,30	-0,70	1,70	3,00	3,00	-5,20
7	-1,80	-1,30	6,00	-2,50	-0,70	-4,71	1,30	5,01	4,00	-5,20
8	-2,10	2,20	6,30	-0,70	-1,70	-5,90	0,10	7,01	3,70	-5,19
9	-2,20	4,00	6,09	1,00	-2,90	-6,40	-0,80	8,20	3,10	-2,60
10	-0,20	5,30	5,09	1,10	-3,00	-6,18	-1,70	7,99	0,70	0,60
11	1,00	5,50	3,68	1,10	-1,70	-3,99	-1,90	6,92	-1,70	2,80
12	1,70	5,09	-4,72	0,30	-0,60	-2,20	-2,10	-1,20	-3,71	4,40
13	1,90	2,69	-9,91	-0,90	0,70	-1,00	-2,30	-4,91	-5,51	5,40
14	1,30	-1,70	-10,50	-1,90	0,90	0,00	-2,70	-7,32	-6,71	5,49
15	-0,90	-5,91	-10,57	-2,90	-0,50	0,50	-2,70	-8,72	-7,60	4,29
16	-3,70	-7,70	-9,14	-3,80	-1,60	1,00	-1,40	-9,78	-7,60	2,30
17	-4,30	-7,67	-5,97	-3,60	-2,70	1,60	0,20	-8,93	-7,58	0,30
18	-4,30	-5,98	-2,00	-2,00	-3,90	1,60	1,60	-4,98	-5,96	-2,90
19	-3,60	-3,00	2,00	0,00	-4,59	1,10	2,20	-1,80	-0,20	-4,60
20	-2,30	-1,00	3,60	1,60	-2,99	0,50	2,80	2,00	2,40	-5,10
21	-1,30	1,00	3,90	2,80	0,00	0,20	2,80	4,41	2,80	-5,09
22	-1,20	1,80	3,90	3,20	2,00	-0,00	2,30	6,51	2,70	-3,99
23	-0,80	1,30	3,10	3,10	3,60	-0,10	1,70	8,11	1,30	-2,00
24	-0,20	0,10	1,30	1,30	4,30	-0,50	0,30	8,58	-0,90	0,60
25	0,60	-0,90	-2,30	0,30	4,10	-0,90	-1,30	7,47	-2,70	2,70
26	1,00	-1,70	-3,90	-0,90	3,09	-1,70	-2,30	5,28	-3,60	3,40
27	1,90	-2,70	-3,90	-2,90	-1,70	-1,60	-2,60	1,70	-3,40	3,10
28	2,20	-2,90	-3,90	-4,70	-4,90	-1,00	-2,20	-2,71	-1,40	1,30
29	2,20	-3,60	-3,80	-5,70	-5,70	-0,20	-1,20	-6,92	1,00	0,30
30	1,90	-3,90	-3,00	-6,10	-5,19	0,40	-1,00	-8,73	3,00	-0,70
31	1,60	-4,20	-2,20	-6,19	-2,99	0,80	-0,20	-10,71	5,00	-2,90
32	1,30	-4,20	-1,60	-5,19	0,80	0,90	-0,30	-10,94	5,30	-3,70
33	0,30	-4,10	-1,00	-3,20	2,20	0,90	-0,60	-8,61	4,60	-3,00
34	-1,90	-3,20	0,20	-1,00	3,80	0,60	-0,80	-2,99	4,49	-2,00
35	-2,70	-1,00	1,00	2,00	5,40	0,30	-0,80	-0,20	2,60	-0,20
36	-3,80	1,60	3,00	4,40	5,69	-0,20	-0,10	2,40	0,10	1,00
37	-4,60	2,60	5,30	5,21	4,79	-0,40	0,60	5,21	-2,20	1,80
38	-4,70	3,20	5,10	6,41	2,69	-0,30	1,60	7,00	-3,90	2,40
39	-4,70	3,10	4,29	7,00	-2,30	-0,40	2,40	7,00	-5,11	2,50
40	-4,70	2,40	2,30	6,98	-3,71	-0,40	2,70	6,68	-6,30	2,10
41	-4,70	1,50	-0,96	4,68	-6,51	-0,10	3,00	4,69	-6,59	1,40
42	-3,70	0,10	-2,98	0,50	-7,21	0,60	3,00	1,70	-5,39	0,30
43	-3,20	-0,90	-4,10	-2,30	-8,20	1,20	2,70	-1,70	-2,99	-2,30
44	-3,10	-2,30	-4,50	-4,31	-8,30	1,30	2,40	-2,70	1,00	-3,70
45	-3,10	-2,60	-4,50	-6,31	-8,30	-0,20	1,70	-3,30	3,00	-4,40
46	-2,00	-2,70	-3,99	-7,10	-8,23	-1,30	0,30	-3,60	4,00	-3,20
47	2,00	-2,90	-1,00	-6,98	-3,19	-2,90	-2,10	-3,60	3,90	-1,00
48	4,71	-2,90	3,00	-5,29	1,70	-3,50	-4,30	-3,60	3,50	1,80
49	5,80	-3,70	4,20	-3,39	4,81	-3,20	-5,31	-3,20	3,20	3,00
50	6,09	-4,30	3,49	-0,40	6,21	-2,00	-6,31	-3,00	2,60	3,80

RECORD=S-537 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.01D(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	4,30	1,70	3,80	2,40	-3,00	1,40	-3,20	-2,30	-3,80	0,20
2	3,50	1,90	3,30	1,10	-2,80	2,30	-3,20	-3,00	-4,70	1,00
3	2,20	1,30	2,70	-2,50	-2,90	2,20	-2,40	-1,00	-5,70	1,70
4	1,30	0,10	1,70	-3,60	-3,20	1,90	-1,50	1,20	-5,59	1,90
5	-0,90	-1,30	0,10	-4,30	-3,30	1,30	-1,00	1,40	-4,79	1,80
6	-3,90	-1,90	-2,20	-4,30	-2,00	0,40	0,20	1,40	-3,00	0,50
7	-5,40	-2,30	-3,90	-3,60	0,00	-0,70	1,40	1,40	-1,40	-0,90
8	-5,40	-1,80	-5,40	-2,00	1,80	-1,40	2,20	1,30	0,20	-2,30
9	-4,99	-1,00	-5,79	0,20	2,80	-2,10	2,30	1,10	1,80	-2,90
10	-3,00	0,00	-5,09	1,30	3,60	-2,70	2,10	0,70	3,70	-3,00
11	-1,00	1,00	-3,00	1,30	4,00	-2,80	0,30	0,30	4,60	-2,10
12	0,00	2,00	-1,00	1,30	4,30	-2,80	-0,90	-0,20	4,80	-1,40
13	1,60	2,00	-0,20	1,10	3,90	-1,30	-2,00	-0,55	4,79	0,00
14	2,20	1,30	0,60	0,70	2,80	-0,60	-1,80	-0,90	3,70	0,80
15	2,80	0,30	1,00	0,30	0,10	0,00	-1,00	-1,00	2,70	1,20
16	3,60	-0,90	1,30	-0,50	-1,90	0,80	-0,20	-1,00	0,10	1,60
17	3,80	-2,50	1,60	-1,30	-3,91	1,70	0,60	-1,20	-2,70	1,60
18	3,30	-3,80	1,10	-2,50	-5,70	1,90	1,30	-1,70	-3,70	1,30
19	2,10	-3,80	0,30	-2,80	-6,10	1,40	1,80	-1,90	-4,70	0,70
20	0,10	-3,39	-0,20	-2,60	-5,98	0,70	2,00	-1,00	-4,80	0,50
21	-3,70	-1,10	-0,70	-1,10	-3,39	0,10	2,00	1,00	-3,99	0,30
22	-5,11	1,00	-1,70	0,00	-1,00	-0,70	1,30	2,10	-1,60	0,30
23	-6,50	2,50	-2,70	0,60	2,70	-1,30	0,30	2,60	1,00	-0,30
24	-5,98	2,80	-4,10	0,80	4,00	-2,50	-0,60	2,80	4,01	-0,90
25	-3,79	2,70	-4,60	0,70	4,70	-3,30	-1,70	3,00	5,70	-1,60
26	-1,20	2,30	-4,29	-0,10	4,70	-3,40	-2,30	3,00	6,40	-2,30
27	2,00	0,50	-3,00	-0,70	4,80	-2,20	-2,40	3,00	6,29	-2,30
28	4,40	-0,90	-2,00	-1,20	4,70	-0,20	-2,70	1,60	5,29	-2,00
29	4,80	-1,70	-0,30	-1,60	4,30	1,60	-2,70	-2,30	3,69	-1,00
30	4,40	-3,30	0,80	-2,00	3,90	2,60	-2,20	-4,71	-0,70	-0,30
31	3,70	-4,40	2,60	-2,00	3,69	3,00	-1,00	-5,91	-2,90	0,60
32	2,30	-4,70	4,00	-2,00	1,70	3,10	0,80	-6,59	-5,51	1,20
33	0,10	-3,99	5,20	-2,00	-0,90	1,80	1,70	-5,98	-6,70	1,30
34	-1,90	-1,20	6,00	-1,60	-3,70	-0,60	2,00	-3,99	-6,68	1,30
35	-2,70	1,00	5,59	-1,30	-4,91	-2,70	1,70	-1,20	-5,09	1,30
36	-2,90	1,60	4,09	-1,00	-5,89	-3,90	1,00	0,75	-3,00	1,30
37	-3,30	1,60	1,30	-0,20	-5,19	-3,90	0,30	2,70	-1,30	0,80
38	-3,40	1,30	-3,70	0,40	-3,69	-3,00	-0,70	2,80	-1,00	0,70
39	-3,00	0,70	-5,31	1,00	-1,30	-1,50	-2,70	2,50	0,80	0,30
40	-1,20	0,10	-6,21	3,00	0,80	0,00	-3,30	1,70	2,50	-0,10
41	-0,20	-0,80	-6,90	3,60	3,00	1,00	-4,10	1,10	3,00	-0,50
42	0,60	-1,30	-6,98	3,80	3,30	1,60	-3,40	-0,10	3,10	-0,90
43	1,00	-1,50	-5,39	3,50	2,80	2,30	-1,80	0,00	3,10	-1,50
44	0,70	-1,90	-3,60	1,90	2,10	2,60	-0,40	1,00	1,30	-1,60
45	0,30	-2,50	-1,80	-1,90	1,10	2,60	1,00	1,60	-0,20	-1,40
46	-0,30	-2,60	0,50	-2,40	-0,50	2,10	1,70	1,80	-0,30	-1,00
47	-0,80	-1,00	2,10	-2,70	-1,90	0,70	1,80	1,80	-0,60	0,20
48	-0,80	1,80	3,40	-2,70	-1,90	-0,90	1,80	1,30	-0,80	0,50
49	-0,20	3,00	3,80	-2,70	-1,60	-2,70	1,80	-1,90	-0,80	0,60
50	0,60	3,80	3,30	-3,20	0,20	-3,20	2,29	-2,90	-0,40	0,40

RECORD=S-537 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-26 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 4750

NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	0.10	4.49	-2.30	2.30	-4.40	1.10	0.10	3.10	2.00	-4.30
2	-0.30	2.29	-2.90	1.30	-4.70	0.60	-0.50	1.30	2.50	-4.90
3	-0.30	-2.70	-3.90	-0.70	-4.30	-0.60	-0.80	-0.90	2.50	-4.10
4	-0.50	-5.70	-4.00	-2.70	-3.50	-1.60	-0.80	-2.70	1.60	-3.20
5	-0.90	-5.91	-3.99	-4.30	-2.20	-2.30	-0.80	-3.70	0.10	-2.40
6	-1.30	-6.71	-2.00	-5.30	-1.00	-2.40	0.00	-3.70	-0.90	-0.20
7	-1.40	-7.80	0.00	-5.30	0.00	-2.20	0.80	-3.70	-1.90	1.40
8	-1.40	-7.90	1.40	-4.99	0.70	-1.40	1.60	-3.40	-2.70	2.40
9	-0.60	-7.76	1.90	-3.79	1.30	0.20	1.60	-2.20	-2.70	2.60
10	0.00	-4.98	2.60	-2.00	1.60	1.00	1.50	-1.00	-2.40	2.60
11	1.00	-1.60	2.70	-1.00	1.60	1.50	1.30	0.60	-2.00	2.40
12	1.60	0.00	2.70	0.70	1.70	1.30	0.80	1.40	-1.00	1.90
13	1.70	2.40	2.30	2.60	1.70	0.30	0.20	2.00	-0.10	1.10
14	1.50	3.00	1.40	3.70	1.80	-0.50	-0.30	2.10	0.60	0.50
15	0.80	3.80	0.40	3.90	1.80	-0.90	-0.80	2.10	1.60	-0.30
16	0.10	4.20	-0.70	3.90	1.70	-0.90	-0.90	1.70	1.70	-1.30
17	-0.50	4.10	-0.90	2.69	1.10	-1.30	-1.30	1.30	1.70	-2.30
18	-0.90	3.10	-1.70	-0.70	0.30	-1.30	-1.20	0.70	1.30	-2.30
19	-1.50	2.30	-1.70	-2.90	-0.50	-1.40	0.00	-0.20	1.10	-2.00
20	-1.80	1.10	-2.10	-4.00	-1.50	-1.00	0.80	-0.90	0.30	-1.50
21	-2.20	-0.20	-2.20	-4.00	-1.90	-0.40	1.60	-2.70	-0.60	-1.00
22	-2.50	-1.50	-2.10	-3.80	-2.00	0.60	1.10	-3.10	-1.90	0.20
23	-2.00	-2.70	-2.10	-2.60	-2.00	1.10	0.30	-2.40	-2.70	1.60
24	-1.60	-3.30	-0.40	-2.40	-2.00	1.70	-0.60	-1.30	-2.70	2.20
25	-1.20	-3.30	0.60	-1.00	-1.80	1.70	-1.50	-0.20	-2.60	2.50
26	-0.60	-3.20	0.80	1.00	-0.80	1.70	-2.40	1.00	-2.00	0.30
27	0.00	-1.20	1.00	2.00	0.20	1.70	-2.40	1.30	-1.90	-0.20
28	0.80	-0.20	1.20	2.80	0.60	1.30	-2.40	1.10	-1.30	-0.70
29	1.70	1.40	1.20	3.40	1.20	1.10	-2.20	0.30	0.00	-0.90
30	2.60	2.00	1.20	3.50	1.40	0.50	-2.00	0.20	1.00	-1.50
31	3.60	2.70	1.20	3.10	1.40	-0.60	-1.20	-0.30	2.00	-2.30
32	3.60	3.50	0.70	1.60	1.40	-2.30	0.00	-0.70	2.80	-2.70
33	3.60	3.59	0.30	0.30	1.10	-2.90	0.60	-0.70	3.20	-2.90
34	3.30	1.70	-0.60	-0.70	0.70	-3.90	0.80	-0.30	2.70	-3.30
35	2.10	-0.70	-2.20	-2.10	0.50	-3.00	1.20	0.40	1.30	-3.00
36	0.30	-1.90	-2.90	-3.70	0.30	-1.00	1.80	1.00	0.30	-2.00
37	-1.60	-3.70	-3.60	-4.60	-0.30	0.60	2.10	1.70	-1.30	-1.00
38	-3.60	-4.70	-3.10	-5.10	-0.30	1.00	2.10	2.20	-2.50	-0.30
39	-4.70	-5.10	-2.00	-4.40	-0.30	1.80	2.10	2.30	-2.70	-0.20
40	-4.90	-4.69	-1.70	-3.20	-0.40	1.80	0.10	2.10	-2.60	0.00
41	-5.20	-2.00	-1.70	-1.30	-0.20	1.50	-1.50	1.10	-2.00	0.10
42	-4.40	-0.50	-1.40	0.60	0.20	1.10	-2.50	-0.90	0.00	0.10
43	-3.20	1.60	-0.60	2.80	0.10	0.70	-2.90	-1.70	1.80	0.10
44	-1.60	3.60	0.60	3.50	0.10	0.60	-1.65	-2.90	2.70	0.10
45	0.20	4.10	1.60	4.20	0.10	0.80	-0.40	-4.70	2.70	-0.60
46	2.20	4.10	2.20	4.20	0.10	1.20	1.40	-5.09	2.50	-0.90
47	3.00	4.10	2.60	3.69	0.20	1.30	2.20	-3.99	2.10	-1.20
48	4.71	3.40	2.50	1.30	0.60	1.30	3.80	-1.90	1.10	-1.20
49	5.80	2.10	2.60	-1.70	0.70	1.10	4.30	0.30	-0.70	-1.20
50	5.79	-0.90	2.50	-3.70	1.00	0.60	3.80	1.70	-2.30	1.00

RECORD=S-537 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 4750

NO,	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	1,70	0,70	-0,30	2,20	1,50	0,	0,	0,	0,	0,
2	1,60	1,30	-1,20	2,80	0,80	0,	0,	0,	0,	0,
3	2,00	1,70	-1,60	3,40	0,50	0,	0,	0,	0,	0,
4	2,50	1,70	-2,10	3,50	0,10	0,	0,	0,	0,	0,
5	2,70	1,30	-2,30	2,30	-0,30	0,	0,	0,	0,	0,
6	1,70	1,10	-2,00	1,30	0,	0,	0,	0,	0,	0,
7	1,30	0,50	-1,90	0,30	0,00	0,	0,	0,	0,	0,
8	0,70	0,10	-1,00	-0,90	0,40	0,	0,	0,	0,	0,
9	0,10	-0,40	-0,80	-2,30	0,70	0,	0,	0,	0,	0,
10	-0,70	-0,90	-0,30	-3,70	0,80	0,	0,	0,	0,	0,
11	-1,60	-1,00	0,30	-4,00	1,00	0,	0,	0,	0,	0,
12	-1,60	-0,80	1,00	-3,00	1,30	0,	0,	0,	0,	0,
13	-1,40	-0,20	1,00	-1,40	1,30	0,	0,	0,	0,	0,
14	-1,00	0,20	1,00	-0,30	1,30	0,	0,	0,	0,	0,
15	-0,40	0,80	1,10	0,80	1,10	0,	0,	0,	0,	0,
16	0,00	0,80	0,70	1,20	0,70	0,	0,	0,	0,	0,
17	0,40	0,30	0,30	2,00	0,30	0,	0,	0,	0,	0,
18	0,70	-0,10	-0,30	2,10	-0,20	0,	0,	0,	0,	0,
19	1,00	-0,30	-0,30	1,60	-0,30	0,	0,	0,	0,	0,
20	1,30	-0,80	0,00	3,09	-0,40	0,	0,	0,	0,	0,
21	0,40	-1,20	0,30	-0,10	-0,70	0,	0,	0,	0,	0,
22	0,40	-1,60	0,90	-0,70	-0,70	0,	0,	0,	0,	0,
23	0,10	-1,20	1,20	-1,20	-0,20	0,	0,	0,	0,	0,
24	-0,30	-1,00	1,30	-2,00	0,00	0,	0,	0,	0,	0,
25	-0,60	0,00	0,90	-2,00	0,20	0,	0,	0,	0,	0,
26	-0,90	0,40	0,40	-1,60	0,30	0,	0,	0,	0,	0,
27	-1,30	0,70	-0,30	0,00	0,10	0,	0,	0,	0,	0,
28	-1,30	1,10	-1,30	0,80	-0,20	0,	0,	0,	0,	0,
29	-1,60	0,90	-1,90	1,20	-0,50	0,	0,	0,	0,	0,
30	-1,30	0,60	-2,40	1,20	-0,70	0,	0,	0,	0,	0,
31	-1,30	0,10	-2,00	1,20	-0,70	0,	0,	0,	0,	0,
32	-1,20	-0,40	-1,00	1,10	-1,00	0,	0,	0,	0,	0,
33	-1,30	-1,20	1,00	0,70	-1,00	0,	0,	0,	0,	0,
34	-1,10	-1,20	1,80	0,60	-1,30	0,	0,	0,	0,	0,
35	3,09	-0,90	2,80	0,20	-1,50	0,	0,	0,	0,	0,
36	0,00	-0,60	3,40	0,00	-1,50	0,	0,	0,	0,	0,
37	0,50	-0,30	3,60	1,10	-1,50	0,	0,	0,	0,	0,
38	1,60	-0,50	3,30	-0,20	-1,60	0,	0,	0,	0,	0,
39	-2,99	-0,90	2,30	-0,20	-1,00	0,	0,	0,	0,	0,
40	2,70	-1,20	1,30	-0,20	-0,70	0,	0,	0,	0,	0,
41	2,70	-0,70	0,30	-0,20	-0,30	0,	0,	0,	0,	0,
42	2,30	0,60	-2,30	-0,40	0,20	0,	0,	0,	0,	0,
43	1,30	1,00	-2,90	-0,30	0,60	0,	0,	0,	0,	0,
44	-0,70	1,60	-3,70	-0,30	0,70	0,	0,	0,	0,	0,
45	-2,70	2,70	-4,20	-0,40	0,30	0,	0,	0,	0,	0,
46	-2,70	3,00	-4,00	-0,00	0,10	0,	0,	0,	0,	0,
47	-3,00	3,30	-3,00	-4,99	-0,30	0,	0,	0,	0,	0,
48	-2,20	2,40	-1,40	-2,99	-0,60	0,	0,	0,	0,	0,
49	-0,20	2,30	0,00	0,80	-0,90	0,	0,	0,	0,	0,
50	-0,10	1,40	1,60	1,30	-1,10	0,	0,	0,	0,	0,

RECORD=S-537 COMPONENT=E-W SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.98	-7.53	22.73	-7.75	4.80	-2.00	-3.00	-13.87	2.60	-15.61
2	4.67	-10.19	22.67	-3.98	5.42	3.62	-1.00	-18.05	-0.66	-17.65
3	-1.71	-9.48	19.12	1.00	8.95	9.93	10.45	-20.01	-9.89	-16.00
4	-13.47	-3.39	8.86	12.50	11.83	11.49	12.62	-18.56	-9.55	0.30
5	20.90	0.20	0.70	12.39	12.65	10.99	13.36	-12.58	-6.73	2.60
6	10.23	10.84	-1.00	11.92	14.02	10.78	14.84	-1.00	0.40	6.00
7	-1.40	16.14	4.42	8.95	9.90	9.78	15.65	2.81	5.63	6.30
8	-11.77	16.85	9.21	-4.91	5.05	8.99	16.71	10.45	9.71	6.09
9	-4.39	15.84	9.76	-7.46	-4.23	8.38	18.46	12.85	9.99	4.69
10	-2.30	13.00	7.72	-3.79	-12.42	6.94	17.67	17.41	9.60	3.30
11	1.60	12.96	1.20	-0.20	-15.88	1.10	12.57	25.13	9.60	1.70
12	10.08	11.88	-2.81	10.11	-15.47	-0.90	0.70	27.92	9.60	0.60
13	9.28	11.37	-9.96	10.60	-12.86	-7.19	-10.28	27.27	9.79	0.50
14	8.18	10.21	-8.02	10.37	-9.08	-5.97	-14.37	22.22	8.96	2.00
15	13.96	1.90	-2.20	8.92	-7.71	-1.80	-24.48	12.13	1.20	2.90
16	15.01	-4.43	0.20	4.19	13.01	2.00	-25.97	1.10	-1.30	2.90
17	9.01	-11.86	1.40	0.50	15.95	6.31	-27.38	-3.72	-3.91	4.02
18	-11.00	-13.93	1.80	0.50	14.91	7.19	-24.25	-11.41	-6.70	10.67
19	-11.03	-14.67	1.10	-0.40	12.82	6.29	-10.77	-15.66	-6.19	13.52
20	-15.88	-13.81	0.20	-0.70	7.93	5.29	8.59	-21.66	-4.99	13.88
21	-16.98	-9.23	0.60	-0.60	3.10	3.10	14.79	-21.90	-3.00	10.99
22	-13.56	-0.40	8.95	-1.40	2.30	2.10	27.88	-18.92	-1.20	6.92
23	-9.88	8.29	11.88	-0.30	0.50	2.20	35.12	-13.74	-0.20	-0.90
24	0.10	14.54	14.43	0.80	-0.90	4.20	36.27	-1.00	1.00	-5.73
25	14.98	17.29	14.95	1.00	-2.90	5.01	35.50	11.19	2.41	-10.00
26	18.42	15.47	13.91	4.01	-6.80	7.19	29.70	21.57	11.59	-14.83
27	17.12	12.93	11.70	6.01	-2.80	6.60	13.90	22.40	15.03	-17.37
28	12.62	10.95	5.09	7.00	-1.00	7.10	6.92	24.10	23.48	-16.32
29	2.10	8.96	2.89	7.39	1.00	6.99	-0.70	23.05	24.03	-5.34
30	-1.50	-4.12	-0.70	6.29	3.01	6.27	-8.79	14.84	23.21	4.02
31	-9.65	-9.19	-2.91	5.47	8.72	3.29	-13.92	11.19	19.87	10.21
32	-12.44	-3.00	-8.15	1.00	9.91	-0.90	-14.39	0.10	7.89	15.01
33	-16.47	-1.00	-11.41	1.20	10.29	-6.72	-16.59	-10.04	-0.30	17.12
34	-15.49	1.90	-11.63	1.80	9.95	-8.89	-19.78	-11.94	-2.92	17.29
35	-6.25	6.80	-9.28	3.91	7.33	-8.32	-21.60	-13.19	-15.81	15.42
36	-0.40	7.02	-2.99	5.60	1.10	-2.98	-19.33	-12.87	-18.19	11.86
37	9.05	8.51	0.60	6.21	-4.62	5.05	-13.44	-9.24	-24.56	7.31
38	11.96	9.31	7.84	7.79	-7.89	14.54	0.00	-5.75	-24.67	-0.30
39	13.80	9.92	10.53	6.96	-6.96	17.47	11.65	1.00	-21.19	-5.82
40	13.81	10.91	11.91	3.29	-2.97	16.87	16.68	10.22	-9.86	-8.50
41	14.09	11.17	12.28	0.30	11.75	13.34	16.32	10.90	-1.00	-8.28
42	13.75	9.95	11.76	-4.22	13.34	11.49	14.86	10.88	10.98	-6.98
43	12.46	7.56	10.65	-8.91	14.31	0.90	11.99	10.27	14.66	-5.39
44	10.97	-10.93	7.98	-9.37	12.30	-0.10	11.96	8.77	29.90	-3.20
45	2.30	-15.91	6.50	-7.83	9.02	-3.71	20.22	6.99	29.41	-1.20
46	-0.50	-19.34	6.98	-2.79	-0.90	-8.10	21.45	5.71	27.62	4.01
47	-4.30	-16.18	5.07	1.10	-5.33	-8.29	20.82	7.01	19.66	7.60
48	-5.30	-12.02	0.20	7.20	-9.78	-7.47	18.46	8.18	9.60	7.59
49	-5.91	-0.40	-2.61	7.48	-8.56	-4.80	10.12	6.98	-0.90	6.48
50	-6.71	11.23	-8.49	5.50	-5.97	-3.80	-1.91	5.09	-12.99	4.29

RECORD=S-537 COMPONENT=E-W SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	1,30	9,16	5,02	-19,17	-11,76	4,93	30,50	-54,31	46,07	-9,29
2	0,30	6,97	8,52	-24,98	-3,98	11,11	28,71	-63,78	32,22	-8,61
3	-1,70	4,30	9,92	-26,80	2,01	19,55	30,33	-63,60	7,21	-2,99
4	-2,90	4,20	10,81	-26,30	8,15	29,85	33,38	-53,28	-6,91	4,02
5	-3,19	3,40	10,75	-22,44	12,15	35,52	35,44	1,82	-22,20	10,66
6	0,00	2,30	8,81	-14,47	20,06	42,19	37,47	29,87	-37,15	12,91
7	10,44	1,10	3,69	-11,78	25,36	48,29	38,77	50,55	-49,00	13,26
8	20,51	-0,60	1,60	-11,00	34,63	50,70	37,02	50,10	-48,95	12,06
9	22,60	-1,50	1,10	-10,97	34,72	46,79	31,61	40,15	-27,34	10,89
10	22,34	-2,70	0,90	-9,94	30,00	38,41	24,00	30,74	14,04	10,42
11	19,27	-4,50	-0,30	-6,96	19,76	26,54	15,96	20,76	41,98	7,07
12	8,66	-4,70	-0,90	-3,40	6,59	8,57	-10,90	8,77	50,10	4,08
13	-0,10	-4,58	-2,30	-2,70	-4,84	-5,04	-18,97	-4,72	47,62	-0,70
14	-7,68	-1,20	-6,91	-2,70	-12,89	-11,73	-33,03	-10,00	40,07	-6,74
15	-13,99	6,43	-6,91	-3,31	-17,91	-5,90	-49,96	-19,21	27,84	-11,04
16	-20,51	9,92	-7,37	-6,54	-17,84	7,15	-58,85	-23,40	12,47	-16,30
17	-20,42	10,92	-4,99	-10,96	-15,11	20,74	-65,18	-29,35	-2,31	-17,95
18	-18,34	11,68	-3,39	-13,31	-3,91	26,90	-69,45	-37,80	-12,56	-18,41
19	-14,72	10,90	-1,20	-13,47	-6,04	27,54	-60,77	-45,10	-20,14	-15,74
20	-8,86	6,95	0,40	-12,53	-11,04	19,31	-31,34	-46,26	-22,95	-10,92
21	-1,00	2,30	3,81	-10,32	-16,66	4,99	5,93	-40,15	-25,17	-0,60
22	11,33	0,80	7,06	-6,96	-24,92	-14,75	38,52	-26,83	-27,31	6,05
23	16,34	0,70	13,01	-3,48	-30,71	-29,29	76,61	-0,30	-28,71	11,96
24	23,84	1,20	16,14	3,03	-24,80	-41,72	86,71	13,23	-24,29	12,93
25	26,26	1,10	20,01	18,70	-6,98	-54,87	84,47	21,75	-16,47	10,95
26	25,11	-1,30	17,74	37,30	43,09	-63,34	71,89	22,12	-6,86	8,97
27	18,69	-2,91	13,91	44,60	54,30	-60,20	49,65	21,35	6,74	6,96
28	9,77	-7,74	9,25	47,63	46,26	-46,40	29,76	21,05	22,55	3,10
29	-1,10	-10,70	1,50	48,55	31,86	-28,75	15,72	23,00	40,35	1,90
30	-6,92	-10,61	-2,70	48,35	17,37	-9,04	-5,03	27,79	49,30	2,00
31	-8,78	-6,94	-5,71	45,76	-1,61	5,08	-30,28	32,48	50,76	6,53
32	-7,77	-1,00	-7,72	40,92	-16,31	20,43	-48,60	33,10	46,72	10,22
33	-5,79	10,02	-8,93	37,08	-21,50	36,61	-58,93	32,19	35,56	11,14
34	-4,90	15,66	-10,75	36,29	-24,82	38,90	-64,72	28,40	17,03	8,97
35	-5,49	18,38	-12,96	34,01	-19,10	34,18	-57,87	24,90	3,06	6,90
36	-6,99	16,69	-14,50	29,33	15,04	26,57	-41,49	20,24	-10,16	-2,31
37	-1,40	14,83	-14,17	20,81	34,17	20,12	-20,71	12,05	-24,95	-8,84
38	3,02	11,31	-8,67	9,30	33,99	12,72	-1,09	1,30	-33,99	-17,42
39	10,97	7,92	-1,40	-1,20	26,29	5,85	28,07	-8,88	-41,26	-25,20
40	13,59	2,29	10,29	-8,96	7,04	-4,76	48,75	-19,13	-40,53	-26,98
41	13,31	-2,30	14,35	-23,39	-7,51	-16,55	63,83	-22,60	-31,27	-25,16
42	10,76	-4,93	19,72	-25,61	-24,36	-25,58	67,32	-30,15	-16,48	-16,81
43	1,40	-10,53	19,77	-24,24	-30,46	-27,73	58,62	-40,61	16,99	0,40
44	-2,70	-11,69	17,00	-13,99	-38,00	-29,40	44,77	-48,07	26,18	15,92
45	-5,19	-11,25	13,88	-6,96	-42,15	-26,14	27,37	-52,61	28,06	25,40
46	-3,39	-5,97	10,90	-3,30	-40,88	-18,40	4,64	-51,48	25,91	28,24
47	0,00	-2,00	6,93	-3,30	-31,46	0,40	-8,99	-31,65	22,09	26,12
48	6,82	2,90	0,30	-4,83	-17,96	15,23	-25,57	2,46	13,95	20,20
49	8,51	4,00	-4,94	-11,56	-6,94	27,98	-32,75	44,46	3,68	11,59
50	9,20	4,20	-12,52	-13,63	-1,00	32,77	-43,93	52,28	-4,32	-1,71

RECORD=S-537 COMPONENT=E-W SIGNAL=GP,ACC. CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-13,12	29,23	-7,00	17,37	-8,77	2,70	-6,85	-3,90	-14,04	8,89
2	-19,18	22,65	-16,18	26,92	-13,11	4,01	7,08	-5,20	-14,95	8,37
3	-21,65	14,63	-21,13	26,46	-18,97	6,72	14,82	-5,19	-15,95	6,48
4	-14,36	6,87	-26,04	22,48	-21,97	8,31	17,06	-3,80	-14,63	3,99
5	-1,00	-3,97	-20,29	14,54	-18,97	9,00	14,91	-2,90	-6,90	2,40
6	15,21	-15,25	-12,46	5,07	-6,80	8,99	12,95	-3,00	6,02	1,70
7	25,38	-22,36	2,62	0,30	12,13	8,38	11,58	-3,70	16,60	6,70
8	28,25	-26,26	13,28	-4,94	26,03	6,97	10,93	-3,90	14,65	-1,40
9	26,10	-27,39	23,37	-12,57	34,67	4,09	8,28	-2,80	15,69	-3,31
10	17,35	-30,99	27,07	-14,94	38,90	0,20	6,95	-1,30	15,45	-8,33
11	7,85	-28,23	27,00	-20,04	38,06	-2,31	1,70	-0,40	12,43	-10,60
12	-2,92	-23,49	20,58	-23,55	33,91	-7,92	-4,63	2,00	7,50	-10,49
13	-15,20	-15,39	9,78	-22,05	25,05	-9,50	-10,92	5,01	-0,96	-1,89
14	-21,16	-4,16	-0,70	-18,61	12,72	-9,45	-11,59	6,66	-4,73	7,17
15	-26,30	7,16	-9,87	-13,26	5,06	-6,98	-11,23	4,09	-10,90	13,88
16	-20,72	22,76	-18,05	-2,39	-2,71	-4,97	-4,96	1,30	-10,85	15,80
17	-17,54	38,35	-26,14	9,14	-11,08	0,60	3,01	-0,30	-4,96	15,60
18	-10,80	39,96	-26,16	23,71	-18,20	7,04	9,96	-0,50	3,01	11,61
19	-2,97	34,43	-26,51	34,66	-25,19	10,90	12,74	3,01	8,75	2,10
20	11,17	25,12	-17,02	32,41	-28,39	10,87	13,78	5,61	11,70	-2,91
21	21,05	12,96	2,01	27,74	-27,53	9,74	10,90	6,49	15,03	-8,72
22	22,61	-0,90	10,81	20,45	-19,62	6,99	6,92	5,50	17,49	-10,20
23	26,55	-11,03	15,12	10,76	-4,96	6,08	-0,90	5,61	17,12	-10,11
24	26,91	-16,17	13,68	1,30	3,02	3,69	-4,40	7,72	12,84	-5,88
25	26,46	-20,76	7,89	-9,96	14,16	1,30	-4,68	9,67	8,64	-3,39
26	18,91	-20,89	0,10	-13,20	20,29	0,10	-1,40	13,01	4,29	-0,90
27	12,82	-15,43	-5,70	-21,03	24,53	-0,60	3,01	16,03	1,30	0,60
28	7,99	-4,94	-5,98	-22,33	25,53	-0,60	7,03	16,27	-0,90	3,70
29	6,88	6,06	-2,99	-22,02	21,74	-1,40	9,72	12,26	-6,75	4,70
30	-4,72	13,92	3,01	-16,36	19,06	-6,72	10,61	7,95	-11,93	4,70
31	-8,97	19,10	7,01	-5,97	14,81	-9,00	10,83	4,37	-12,97	4,39
32	-12,92	21,45	8,40	-1,99	10,80	-8,97	8,13	-2,61	-14,81	3,00
33	-13,41	20,55	8,60	6,03	3,09	-6,91	3,29	-12,39	-12,65	4,30
34	-11,00	15,58	8,61	9,98	-2,91	2,01	-0,90	-18,56	-2,98	5,01
35	-3,39	7,88	9,13	13,81	-9,76	11,06	-1,90	-23,66	5,63	6,01
36	0,00	-0,90	10,78	16,55	-12,80	17,18	-2,20	-18,20	9,54	7,70
37	2,61	-12,61	14,03	17,28	-12,71	21,45	1,00	-7,91	11,74	7,90
38	8,69	-15,74	17,02	16,70	-10,16	22,58	4,01	-1,00	12,93	8,08
39	7,94	-16,21	18,67	11,85	-8,38	21,99	5,51	8,07	10,95	6,99
40	3,28	-12,58	16,76	6,96	-6,96	18,02	7,01	13,33	8,93	6,26
41	-6,79	-1,00	12,72	3,10	-2,99	12,82	8,33	16,68	5,07	1,20
42	-15,96	7,11	5,06	2,50	1,00	7,93	10,00	16,43	0,20	0,60
43	-20,45	17,22	-2,30	3,70	4,00	3,09	9,96	16,82	-2,90	1,40
44	-19,97	22,06	-5,66	5,10	4,40	-3,93	7,97	13,80	-3,00	1,70
45	-8,97	23,40	-15,31	5,09	4,70	-12,92	5,68	8,97	-1,00	1,70
46	4,05	23,01	-22,96	3,09	5,30	-19,28	2,40	6,98	0,60	1,30
47	19,51	19,59	-23,13	0,10	5,49	-23,77	1,70	5,29	2,60	-0,30
48	29,31	14,64	-20,37	-2,90	3,70	-24,30	1,70	3,09	5,01	-2,70
49	32,92	7,14	-13,48	-3,91	3,10	-23,66	0,30	-0,70	6,21	-4,99
50	32,44	1,30	-1,00	-5,72	2,60	-18,13	-2,30	-4,75	7,91	-2,99

RECORD=S-537 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5000

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	0,80	-2,31	16,37	5,92	-5,71	16,71	-4,24	-12,81	5,07	6,96
2	11,78	-13,11	15,65	8,11	-7,50	12,07	-2,30	-12,89	-0,90	2,68
3	17,53	-18,90	12,69	8,60	-7,36	7,91	0,70	-9,90	-6,73	-9,63
4	17,98	-21,27	4,08	6,30	-3,59	1,30	1,50	-5,38	-9,76	-10,94
5	18,91	-20,64	-1,70	8,09	-0,30	-1,70	2,70	-1,40	-12,46	-12,63
6	17,47	-16,67	-4,92	7,30	2,00	-1,20	4,26	3,01	-11,09	-13,53
7	12,69	-11,19	-8,20	7,18	3,01	0,20	-4,96	7,03	-6,93	-11,69
8	9,40	-3,58	-8,13	5,06	7,00	3,70	2,30	10,32	0,00	-8,03
9	4,38	4,66	-3,30	-2,91	7,19	4,50	1,50	11,32	0,90	-2,99
10	-0,90	17,10	-2,20	-10,83	6,26	4,89	0,80	11,90	3,02	1,00
11	-5,94	20,13	1,40	-16,05	1,20	3,29	2,10	11,97	10,95	3,61
12	-10,99	20,36	5,01	-18,72	-0,40	-0,90	3,40	10,92	12,95	7,04
13	-14,42	19,78	7,02	-18,77	-0,70	-6,94	4,00	7,96	14,20	10,67
14	-17,00	16,95	8,61	-15,53	-0,30	-10,95	4,70	5,08	14,16	13,33
15	-18,45	10,09	9,31	-6,79	2,50	-12,90	5,70	1,10	13,06	13,96
16	-16,17	5,07	9,60	13,24	3,00	-12,93	5,68	-0,90	9,25	12,93
17	-8,80	0,10	9,68	21,80	3,40	-10,90	3,50	-2,91	1,50	10,83
18	2,61	-4,41	8,48	21,67	4,00	-6,95	1,70	-5,91	-3,92	4,08
19	7,13	-6,92	7,32	19,73	4,20	-2,10	3,00	-7,49	-10,75	-2,71
20	18,86	-8,69	0,30	11,21	4,29	-0,40	4,00	-6,28	-12,72	-8,68
21	18,33	-8,13	-3,91	4,27	2,20	9,78	5,31	-4,19	-13,13	-13,71
22	17,25	-2,99	-5,81	-2,71	-0,80	13,83	6,50	-2,00	-11,32	-13,96
23	14,78	4,61	-7,60	-8,78	-1,90	17,05	7,01	1,80	-8,52	-12,83
24	10,22	7,00	-7,38	-13,74	-3,81	19,54	8,27	3,00	-3,19	-7,96
25	2,50	7,00	-6,08	-14,73	-6,31	22,35	6,05	4,01	1,00	8,78
26	-0,90	7,00	-3,99	-13,10	-7,99	23,60	0,30	5,83	5,63	13,56
27	-3,92	6,67	-0,30	-7,89	-6,97	23,41	-3,71	9,40	10,36	15,16
28	-9,80	3,68	5,64	-0,20	-4,17	20,95	-7,60	9,49	12,97	16,41
29	-14,57	-2,70	11,00	5,02	2,82	10,83	-7,58	9,08	14,91	16,07
30	-15,97	-5,70	14,71	8,62	12,92	4,28	-6,27	7,99	15,14	8,74
31	-15,22	-5,58	14,95	10,10	18,79	-1,60	-3,30	6,99	13,81	5,08
32	-9,48	-2,00	13,77	10,30	19,89	-6,77	-2,40	5,89	11,61	2,30
33	6,24	1,00	8,32	14,70	19,74	-14,16	-2,00	4,48	5,07	-0,90
34	10,94	5,64	2,69	14,57	18,94	-20,34	-2,20	0,10	-0,30	-3,72
35	12,61	12,02	-0,70	13,89	16,59	-25,05	-3,40	-0,90	-4,72	-9,79
36	12,90	15,82	-2,00	11,29	9,92	-25,12	-4,30	-2,91	-7,93	-13,92
37	12,74	16,14	0,00	7,34	1,70	-19,38	-4,28	-6,94	-10,18	-14,34
38	10,91	14,91	1,40	2,30	-2,91	-16,64	0,20	-10,38	-9,38	-12,75
39	7,36	10,76	1,40	-0,90	-9,78	3,01	6,03	-9,65	-8,48	-5,95
40	4,10	1,50	0,80	-4,70	-13,70	10,01	9,80	-7,35	-6,98	1,00
41	3,30	-5,35	-0,10	-5,19	-13,64	15,02	14,88	-3,37	-5,39	13,17
42	3,21	-14,05	-1,50	-2,99	-14,71	17,28	18,51	7,02	-2,99	14,99
43	6,21	-17,48	-1,00	3,82	-14,90	16,82	18,61	9,33	0,00	16,81
44	7,30	-16,98	0,20	8,93	-14,73	13,89	17,34	10,95	11,95	16,91
45	7,50	-13,31	1,00	10,40	-11,01	11,22	14,80	12,72	13,64	16,19
46	7,49	-3,59	1,90	10,48	-3,99	8,29	10,38	13,39	14,68	3,09
47	7,00	1,80	2,00	9,45	-1,00	1,30	-2,61	13,17	16,40	-0,50
48	6,69	7,09	3,00	6,93	4,02	-3,31	-6,73	12,35	16,16	-5,94
49	5,28	15,76	4,00	0,10	9,06	-5,70	-9,73	10,92	12,01	-11,05
50	2,10	16,87	5,00	-2,70	17,93	-6,18	-11,44	7,96	9,06	-16,50

RECORD=S-537 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-16,21	0,10	10,66	-5,89	1,70	-0,10	2,20	5,68	3,09	0,30
2	-10,88	-2,70	8,78	-3,98	0,40	0,30	2,40	3,10	-2,30	-2,60
3	-6,17	-4,61	-4,11	2,20	0,40	0,20	2,80	1,30	-3,30	-4,51
4	8,54	-5,91	-6,50	6,02	0,20	0,60	3,30	-1,80	-3,70	-5,71
5	10,97	-7,93	-6,50	8,74	-0,30	1,00	2,40	-1,90	-3,80	-6,49
6	13,75	-10,31	-5,99	10,93	-0,50	1,60	1,30	-1,00	-3,00	-5,60
7	15,02	-10,79	-4,30	12,00	-0,40	1,80	0,30	1,60	-0,70	-4,99
8	15,27	-10,29	-3,79	11,89	0,10	2,10	-0,90	2,20	4,00	-3,40
9	10,67	-5,37	-1,50	8,46	0,40	2,20	-2,70	2,20	4,70	-1,40
10	5,56	-1,00	8,70	5,69	0,50	2,80	-2,70	3,00	4,69	0,60
11	-0,10	1,61	8,90	3,69	0,30	3,00	-0,20	3,60	3,50	3,01
12	-4,51	11,45	8,89	1,50	0,10	3,10	1,90	4,00	2,30	8,26
13	-6,12	13,06	8,53	-1,70	-0,30	2,30	3,00	4,30	0,50	12,57
14	-8,31	11,96	3,69	-2,70	-0,30	1,30	4,00	4,70	-0,00	14,51
15	-9,00	10,76	-0,90	-3,91	-0,20	0,70	4,60	4,69	-0,40	14,67
16	-8,98	8,93	-2,91	-5,49	0,00	0,20	4,90	3,60	-0,40	13,80
17	-7,97	5,08	-6,30	-3,99	0,30	1,80	5,40	3,20	-0,20	8,90
18	-5,98	0,70	-5,98	-0,60	0,30	2,80	5,60	2,30	0,20	3,28
19	-3,60	0,80	-3,49	1,80	0,00	4,40	5,30	0,10	0,60	-6,36
20	-2,00	0,80	0,00	4,31	0,80	4,30	5,09	-0,90	1,00	-9,74
21	-1,00	1,30	3,00	5,80	1,00	3,30	4,10	-2,20	1,50	-11,69
22	1,50	1,90	4,21	6,20	1,80	2,30	3,30	-2,90	1,50	-11,31
23	3,00	2,00	7,01	5,70	2,50	1,30	2,30	-3,00	1,10	-7,99
24	5,41	1,90	7,60	5,50	3,00	-0,10	1,50	-2,00	0,70	-6,96
25	7,00	-1,70	7,50	4,90	3,00	-0,40	1,40	0,00	0,30	-2,99
26	7,00	-2,60	7,50	4,30	3,00	-0,10	1,40	0,60	0,30	1,30
27	7,31	-1,80	7,50	3,40	3,00	2,00	1,40	1,20	0,30	2,60
28	8,31	-1,60	7,49	3,80	3,00	2,30	1,40	1,80	0,60	2,60
29	8,80	0,60	6,98	4,20	2,10	2,80	2,60	2,20	1,00	2,60
30	8,71	1,80	4,79	4,70	1,10	3,20	3,00	2,60	1,60	3,00
31	9,20	3,00	3,29	4,90	0,10	4,20	3,40	2,80	2,00	3,50
32	9,17	5,02	1,10	4,50	-1,00	4,80	4,00	3,10	2,60	3,80
33	7,38	8,09	-2,31	3,70	-1,00	5,61	4,60	2,30	3,00	4,20
34	5,28	7,38	-7,60	2,10	1,50	7,00	4,50	0,70	3,50	4,30
35	2,29	5,89	-7,99	-0,30	3,82	6,98	4,09	-0,30	3,10	3,50
36	-6,23	4,69	-6,97	-1,60	9,06	5,28	1,30	-0,50	2,10	2,60
37	-9,54	2,10	-4,36	-2,90	6,98	2,10	-0,90	-0,40	1,10	1,70
38	-11,72	-1,70	5,01	-3,90	4,59	-0,70	-2,90	0,00	-0,70	-0,30
39	-12,30	-2,70	6,40	-3,40	3,09	-2,70	-4,80	0,40	-2,30	-0,70
40	-12,18	-4,30	6,89	-3,00	-0,30	-3,30	-5,59	1,00	-4,60	-0,70
41	-11,29	-5,50	5,70	-2,00	-7,10	-3,39	-4,59	1,50	-5,00	-0,20
42	2,61	-6,20	5,40	0,00	-7,06	1,50	-3,20	1,80	-4,38	1,30
43	11,57	-5,99	5,40	2,70	-3,80	2,30	-2,09	2,60	0,00	1,80
44	13,96	-4,38	4,69	4,61	-3,00	3,80	4,21	3,80	3,11	2,20
45	15,33	-0,40	3,30	6,41	-1,20	4,90	6,81	4,51	5,70	2,80
46	15,85	4,62	2,30	7,00	0,40	4,70	7,40	6,60	8,98	2,90
47	14,86	8,93	1,30	7,19	2,00	3,70	7,60	7,00	7,99	2,80
48	11,89	10,41	-1,90	6,29	4,49	3,10	7,79	6,98	6,98	2,10
49	8,34	10,92	-4,71	5,09	3,29	2,10	7,39	5,29	5,09	1,70
50	4,28	11,48	-5,90	3,30	1,10	1,90	6,89	3,70	2,50	1,10

RECORD=S=537 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	0,30	7,02	5,20	3,30	-2,99	0,70	=1,00	=0,90	=3,70	=7,18
2	=0,30	9,10	5,50	3,10	1,60	=0,70	0,20	=2,70	=3,00	=5,28
3	=0,90	9,09	5,30	2,10	4,01	=1,10	1,40	=3,40	=0,80	=1,80
4	=1,30	8,39	4,49	1,10	5,71	=1,30	1,90	=3,30	0,00	1,70
5	=1,30	7,38	3,09	=0,50	7,40	=1,40	2,10	=2,40	0,85	2,20
6	=0,50	5,28	=0,90	=1,90	6,98	=1,10	2,20	=1,00	1,70	3,80
7	0,30	1,70	=2,90	=3,50	5,09	0,00	2,40	2,00	2,60	4,20
8	0,40	=2,91	=4,91	=3,30	2,50	0,60	2,40	4,81	2,70	4,20
9	1,00	=6,93	=6,90	=1,80	0,10	1,00	2,35	7,02	2,70	3,60
10	1,30	=9,90	=7,30	=1,00	=2,40	1,00	2,30	8,91	2,30	3,30
11	2,50	=9,76	=7,08	2,00	=4,70	1,00	2,20	9,39	1,60	2,70
12	3,80	=7,92	=4,98	3,81	=5,60	0,80	1,70	8,94	0,70	1,80
13	4,00	=1,99	=2,00	6,60	=5,19	0,70	1,20	5,68	0,10	=0,10
14	4,10	4,01	2,00	7,00	=2,99	0,70	1,10	2,50	0,20	=2,70
15	3,70	6,70	6,22	6,97	0,00	0,20	0,50	=0,90	0,80	=5,30
16	2,90	6,80	8,72	3,79	3,00	0,20	0,10	=4,71	1,10	=5,89
17	2,30	6,29	9,78	0,60	4,82	0,40	=0,30	=7,53	1,10	=4,98
18	1,30	5,49	4,29	=2,70	8,70	1,80	=1,75	=9,69	0,70	=1,20
19	0,60	4,30	2,10	=3,50	8,98	2,00	=3,20	=9,36	=0,30	0,00
20	=0,40	3,30	=2,30	=3,60	7,77	2,40	=3,40	=6,94	=1,90	1,20
21	=0,20	2,40	=4,71	=3,40	5,69	1,85	=2,70	=1,60	=2,00	3,00
22	0,10	1,35	=5,90	=2,20	3,69	1,30	=2,00	3,71	=1,00	3,15
23	0,70	0,30	=5,39	=1,00	1,10	=0,10	0,00	6,01	0,40	3,30
24	1,30	=0,90	=3,39	1,40	=2,70	=0,60	2,00	7,00	0,70	1,40
25	1,60	=0,90	=1,00	4,00	=5,20	=0,70	4,61	7,10	0,70	=0,30
26	1,70	=0,90	2,20	4,40	=5,19	=0,70	6,61	6,99	0,10	=1,90
27	1,30	=0,80	4,00	4,09	=3,39	=0,40	7,40	6,49	=0,40	=2,30
28	0,90	=0,30	5,00	2,10	=1,00	0,00	7,09	5,10	=0,40	=2,40
29	0,70	=0,30	5,20	1,10	0,60	0,20	6,09	4,30	0,00	=2,00
30	1,20	0,00	5,30	=0,90	1,80	0,20	5,09	3,10	0,90	=1,40
31	1,70	0,60	5,29	=2,90	3,00	0,10	3,30	1,40	1,80	=1,00
32	2,30	1,00	3,30	=4,40	5,36	=0,30	2,70	0,40	2,10	=1,00
33	2,70	3,00	2,30	=3,99	7,71	=0,30	2,80	=0,20	2,10	=1,00
34	4,40	4,40	0,80	=2,00	8,50	=0,20	2,30	=0,90	1,10	=0,30
35	5,00	5,00	=0,70	=1,00	8,35	0,00	1,30	=2,20	=0,00	0,00
36	5,60	5,70	=1,10	1,60	5,27	1,00	0,10	=2,90	=1,60	1,20
37	5,80	5,40	=1,00	4,01	0,80	2,40	=1,30	=3,60	=2,70	1,70
38	5,40	5,09	1,00	7,02	=3,91	3,40	=2,70	=3,00	=2,00	1,80
39	4,69	4,10	2,60	8,91	=6,95	3,80	=5,30	=2,40	0,00	1,30
40	3,30	3,09	3,20	9,19	=11,70	3,90	=5,19	0,60	1,00	0,30
41	2,50	0,30	3,10	8,57	=11,55	3,70	=3,98	1,60	2,60	=0,70
42	=0,80	=2,30	2,10	6,97	=9,59	3,10	1,00	1,60	4,00	=1,60
43	=0,40	=2,70	1,10	4,29	0,80	2,20	5,01	1,60	4,80	=2,00
44	=1,70	=4,19	0,10	1,80	4,61	1,10	6,80	1,30	4,80	=2,00
45	=1,90	=2,60	=0,30	=2,90	7,01	=0,50	7,00	1,30	4,80	=1,30
46	=1,80	=1,10	=0,60	=4,91	8,10	=1,70	6,69	0,40	4,39	=0,40
47	=1,80	0,20	=0,60	=7,32	7,99	=2,10	6,09	=0,90	2,50	0,50
48	0,80	1,60	0,00	=9,00	6,98	=2,50	5,29	=2,70	0,60	1,30
49	3,00	2,80	1,60	=8,97	5,29	=2,60	3,70	=3,60	=4,31	2,00
50	5,01	4,00	3,00	=6,96	3,10	=2,50	2,10	=3,70	=7,20	2,00

RECORD=S-537 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	1,70	-4,70	-6,96	1,80	5,20	3,70	-0,60	-3,10	-3,30	-4,40
2	1,70	-5,64	-3,00	2,00	4,69	3,70	-0,20	-4,80	-3,30	-4,30
3	1,30	-10,84	-1,00	2,00	2,80	3,20	1,00	-4,80	-1,80	-4,40
4	1,60	-4,58	2,50	1,40	1,70	3,20	2,00	-4,80	-1,30	-3,50
5	1,10	-1,20	5,51	1,00	-0,10	3,20	2,90	-3,99	-0,20	-2,30
6	1,10	-0,20	7,50	0,60	-1,90	3,20	3,00	-2,10	1,40	-2,10
7	0,60	2,00	7,77	0,40	-2,60	2,70	4,00	-0,45	3,00	-1,40
8	0,10	4,81	5,68	0,40	-2,60	0,90	4,10	1,20	5,20	-0,20
9	-0,50	6,30	3,49	1,30	-2,60	0,10	3,20	2,10	5,70	1,00
10	-1,10	6,29	0,10	2,10	-1,00	-0,70	2,70	3,41	5,29	2,00
11	-1,10	5,59	-3,41	2,10	0,60	-1,30	3,10	5,49	3,89	3,81
12	-0,60	4,29	-6,30	1,50	1,80	-1,30	0,70	4,29	0,80	5,81
13	0,10	2,59	-6,49	-0,40	2,20	-0,20	-0,30	2,80	-1,70	7,00
14	-2,99	-1,90	-4,99	-2,20	2,50	1,00	-0,75	0,80	-3,70	6,98
15	-0,20	-6,51	-3,00	-2,20	2,20	1,60	-1,20	-2,71	-4,30	5,48
16	-1,10	-7,80	-1,00	-0,20	1,80	2,40	-1,45	-6,10	-4,29	2,89
17	-1,60	-7,77	0,00	1,00	1,10	2,60	-1,70	-6,50	-3,00	-0,20
18	-2,00	-5,78	1,90	3,01	0,60	3,10	-2,00	-6,49	-1,20	-4,61
19	-2,00	-2,79	3,00	6,50	0,80	3,30	-1,20	-5,28	-0,20	-6,51
20	-1,60	1,10	4,21	6,49	2,00	3,30	-0,50	-2,10	1,60	-7,70
21	-1,30	2,00	5,80	4,89	3,00	3,10	0,20	0,50	3,81	-7,68
22	-1,30	3,80	6,40	2,10	3,80	1,80	0,70	1,80	6,00	-6,37
23	-2,99	4,30	6,29	-0,20	3,80	0,45	0,70	4,21	5,98	-2,99
24	0,80	4,30	5,49	-2,50	3,10	-0,90	0,70	6,01	3,00	0,60
25	1,50	3,30	4,49	-4,30	1,50	-2,90	1,20	7,00	1,60	1,40
26	2,00	2,10	2,60	-4,59	-1,90	-3,30	2,00	6,99	0,10	3,00
27	2,50	-0,70	-0,30	-3,80	-5,71	-3,20	3,00	6,39	-1,70	4,10
28	2,49	-2,40	-2,91	-1,00	-7,30	-1,20	4,00	5,39	-3,20	4,10
29	-2,99	-4,60	-5,70	0,60	-7,40	-0,30	4,00	3,30	-3,20	3,30
30	1,80	-5,60	-6,40	2,00	-7,38	0,60	3,90	1,50	-1,90	1,70
31	1,10	-5,59	-6,38	3,00	-5,77	1,60	3,00	-1,10	-0,80	0,30
32	-0,90	-3,40	-3,69	3,80	-1,90	1,80	2,10	-3,10	0,30	0,30
33	-3,40	-1,40	-1,10	4,40	2,00	1,70	0,90	-3,40	1,10	0,30
34	-3,70	0,80	-0,50	4,40	5,42	1,20	-0,90	-3,40	1,20	1,20
35	-3,70	2,90	-1,75	3,70	8,43	0,90	-3,60	-2,30	0,30	1,90
36	-3,10	5,01	-2,98	3,10	10,20	0,70	-4,70	0,00	0,60	2,60
37	-2,20	6,40	5,50	1,80	10,18	0,70	-4,70	0,70	0,30	3,20
38	-1,20	6,09	5,79	0,80	9,50	0,70	-4,19	1,60	0,30	3,30
39	-0,20	4,69	5,10	-0,20	9,43	1,40	-2,80	2,20	0,80	3,30
40	1,00	2,70	4,59	-1,60	5,78	1,70	-1,60	2,30	1,40	2,70
41	2,20	0,80	2,80	-3,61	2,30	1,90	0,20	2,10	1,40	1,80
42	4,00	0,10	1,70	-6,41	-0,90	2,30	1,30	1,50	2,00	-0,00
43	4,30	-0,90	0,30	-7,00	-5,61	2,60	2,91	0,70	2,50	-2,20
44	4,30	-0,90	-1,80	-6,99	-6,60	2,80	5,72	0,20	2,90	-4,20
45	3,70	-1,30	-3,90	-6,38	-6,76	0,90	8,40	-0,40	2,90	-5,00
46	3,10	-1,90	-4,50	-3,99	-4,59	-1,00	8,39	-1,20	2,30	-4,99
47	2,10	-4,61	-3,39	0,00	-3,00	1,10	7,47	-1,70	1,70	-3,79
48	1,10	-6,71	-1,00	2,90	-1,00	0,30	5,29	-2,60	0,30	-2,00
49	0,10	-7,91	0,20	4,60	1,80	-0,30	3,09	-3,10	-1,70	0,80
50	-2,70	-8,38	1,40	5,20	3,30	-0,60	-0,50	-3,30	-3,70	3,00

RECORD=S-537 COMPONENT=E-W SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

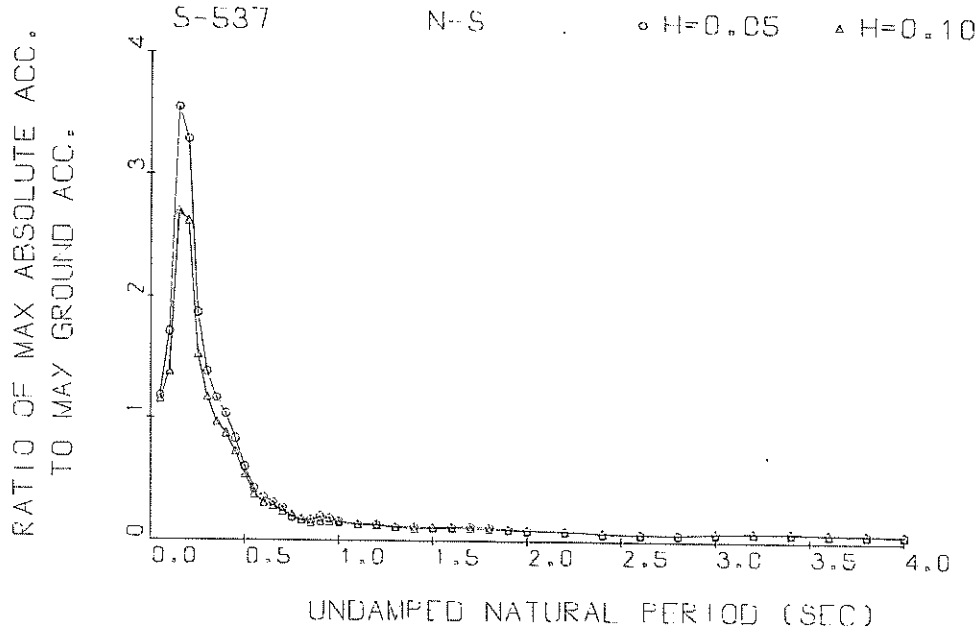
NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	5.51	4.70	2.00	1.05	3.40	-3.20	-0.50	0.10	3.00	1.00
2	6.30	3.70	3.00	1.10	3.40	-3.20	-0.50	0.10	3.70	0.70
3	6.28	2.00	3.80	0.70	2.70	-3.20	-0.20	0.60	3.70	0.10
4	4.40	0.30	4.50	0.70	1.80	-2.20	0.	1.00	2.90	-0.90
5	3.29	-2.91	4.50	0.50	0.40	-0.60	-0.00	1.20	1.40	-1.30
6	1.00	-5.90	4.10	0.50	-0.30	0.60	-0.20	1.60	-0.30	-0.80
7	-1.50	-6.30	3.10	0.40	-0.30	1.50	-0.30	2.20	-1.90	0.40
8	-2.90	-6.28	0.80	0.10	0.50	2.00	-0.70	2.40	-2.40	1.10
9	-3.60	-4.19	-2.90	-0.20	1.00	2.40	-0.70	1.75	-2.40	1.30
10	-3.70	-1.00	-3.90	-0.60	1.00	2.80	-0.10	1.10	-2.80	1.10
11	-3.70	2.00	-3.90	-0.70	0.60	2.80	0.20	-0.30	-1.00	0.50
12	-3.20	4.00	-2.70	-0.70	-0.20	2.60	0.20	-0.70	1.00	0.10
13	-1.80	5.00	-1.00	0.80	-0.80	2.20	0.60	-1.30	2.00	-0.50
14	-1.20	5.40	-0.50	1.70	-1.30	1.60	0.60	-1.40	2.00	-1.40
15	-0.60	5.49	0.00	2.20	-0.30	0.10	0.60	-0.70	1.70	-1.00
16	0.40	4.39	0.60	2.40	1.00	-0.90	0.10	-0.20	0.80	-0.10
17	2.00	1.70	0.80	2.60	2.00	-1.50	-0.10	0.50	0.10	0.70
18	3.40	-0.90	1.20	2.20	2.40	-1.50	-0.30	0.50	-0.90	1.60
19	4.30	-3.40	2.00	1.60	2.40	-1.00	0.40	-0.00	-1.90	1.70
20	4.30	-3.70	2.50	1.10	1.30	-0.30	1.10	-0.20	-2.20	1.70
21	3.40	-3.70	2.60	0.40	-1.30	0.10	1.20	-0.70	-2.20	1.70
22	1.80	-3.70	1.70	-0.30	-3.50	1.30	1.30	-0.70	-2.20	1.30
23	0.30	-2.20	1.20	-1.10	-3.50	1.70	1.30	-0.70	-0.60	1.00
24	-2.40	-1.60	0.30	-1.70	-2.30	2.00	1.30	-0.10	0.20	0.70
25	-3.40	-0.70	-0.50	-2.40	-1.20	2.20	1.30	-0.10	0.90	0.70
26	-3.40	1.50	-1.30	-2.80	0.00	2.20	1.10	0.30	1.60	0.60
27	-2.70	2.80	-2.00	-3.20	1.20	2.20	0.30	1.00	2.40	0.60
28	-1.50	3.30	-1.90	-3.60	2.20	2.20	-1.30	1.60	2.90	0.10
29	-0.20	2.35	-1.70	-3.90	2.60	1.80	-2.30	1.60	2.90	0.10
30	1.20	1.40	-1.70	-3.89	2.60	1.60	-2.70	1.60	2.40	-0.90
31	1.60	0.20	-1.20	-0.20	2.30	0.80	-2.55	1.20	1.40	-1.40
32	1.80	-0.70	-0.90	1.60	1.80	0.30	-2.40	0.70	0.70	-1.40
33	2.50	-0.35	-0.30	3.60	1.30	0.30	-1.50	0.20	-0.40	-0.50
34	2.90	0.00	0.00	3.60	0.50	0.30	-0.80	-0.20	-1.30	0.60
35	2.80	1.60	0.40	3.30	-0.00	0.50	-0.60	-0.20	-1.50	1.40
36	1.80	2.60	1.00	3.00	-0.60	0.70	-0.20	0.60	-1.50	2.20
37	0.50	2.90	1.80	2.20	-1.60	0.60	1.20	0.95	-0.90	2.70
38	-2.10	2.90	2.30	1.60	-1.70	-0.60	2.90	1.30	-0.10	2.70
39	-4.30	1.70	2.30	0.90	-1.70	-1.70	2.90	1.30	0.80	2.20
40	-4.50	1.10	2.30	0.60	-0.60	-3.10	2.90	0.50	1.70	1.10
41	-4.69	-0.60	1.40	0.60	0.40	-3.00	2.50	-0.30	2.30	0.10
42	-2.99	-1.90	0.40	0.60	1.40	-2.10	2.00	-0.70	2.30	-0.70
43	-0.30	-2.70	-0.60	0.20	3.00	-1.00	1.10	-1.40	1.80	-0.90
44	1.60	-2.80	-0.80	-1.60	4.00	1.00	-0.00	-1.90	1.40	-1.00
45	2.80	-2.20	-0.90	-2.70	4.10	2.20	-0.50	-2.30	0.90	-1.00
46	3.80	-1.70	-0.90	-3.40	4.10	2.90	-0.60	-2.70	0.30	-0.70
47	4.60	-1.40	-0.60	-3.40	3.80	2.90	-0.70	-2.70	0.	-0.70
48	5.00	-0.80	0.10	-1.90	3.79	2.20	-0.40	-1.00	0.00	-0.30
49	5.20	-0.20	0.70	0.70	0.80	1.40	-0.30	1.00	0.30	0.00
50	5.20	0.70	1.00	2.30	-2.90	0.30	0.10	2.40	0.80	0.60

RECORD=S-537 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ANC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

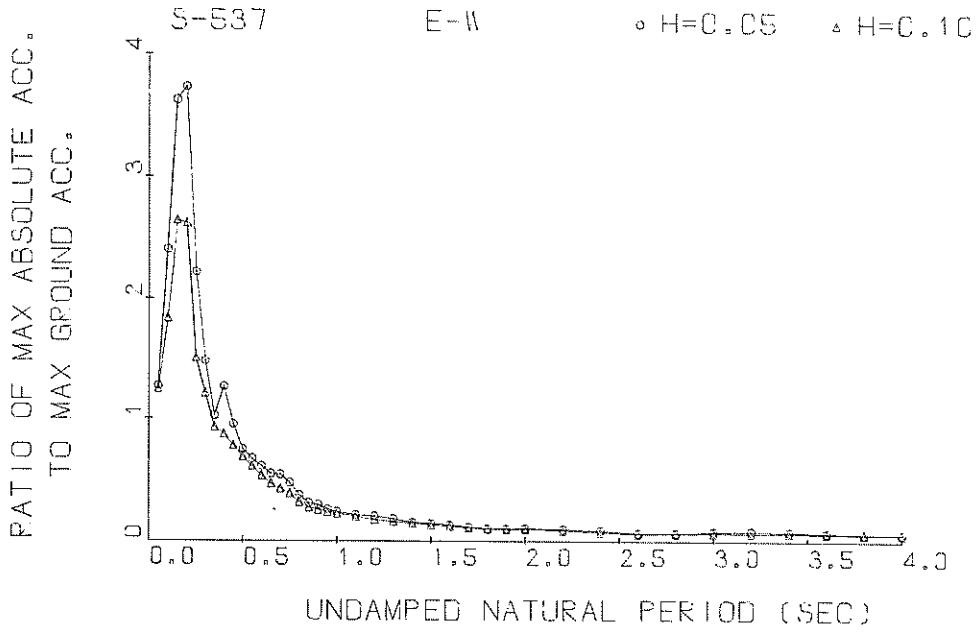
NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	0.80	2.30	2.20	1.00	-3.00	-0.80	1.70	1.50	1.40	-2.90
2	0.80	1.30	0.80	-0.10	-2.40	-0.50	2.10	1.10	1.70	-4.60
3	0.70	0.70	0.10	-0.90	-1.10	-0.20	1.70	0.30	1.80	-4.90
4	0.30	0.50	-0.70	-1.90	0.20	0.20	1.50	-0.80	1.30	-4.39
5	-0.60	0.30	-1.10	-2.90	2.00	0.60	1.00	-1.70	0.70	-1.20
6	-1.30	-0.30	-1.20	-2.50	3.30	0.80	0.50	-1.40	0.30	1.00
7	-1.40	-0.80	0.00	-1.40	3.30	1.20	-0.10	-1.10	-0.30	3.60
8	-1.40	-0.90	1.00	-0.10	2.70	1.20	-0.70	-0.60	-0.40	4.61
9	-0.70	-0.90	1.30	1.60	1.80	1.50	-1.20	0.30	-0.40	5.80
10	0.60	-0.70	1.30	2.80	1.50	1.70	-1.10	0.60	-0.40	5.79
11	1.60	-0.10	2.00	3.70	0.70	1.70	-0.80	1.00	-0.40	4.79
12	2.00	1.00	2.20	4.60	-0.00	1.70	-0.30	1.20	0.00	3.70
13	2.60	1.30	2.40	4.70	-0.50	2.10	0.40	1.40	0.10	2.40
14	2.50	2.00	2.20	4.50	-0.90	2.20	0.90	1.20	0.60	0.10
15	1.70	2.00	2.00	4.10	-1.30	2.20	1.50	0.90	0.60	-0.70
16	1.10	1.40	1.90	3.10	-1.30	1.50	1.80	0.20	1.00	-1.80
17	0.30	1.20	1.30	2.10	-0.60	0.70	2.00	0.	1.30	-2.30
18	-0.60	1.10	0.90	-1.90	0.00	0.30	1.60	0.00	1.50	-1.80
19	-1.30	0.10	0.70	-2.50	0.60	-0.00	1.10	0.60	0.60	-1.30
20	-1.70	-1.00	-0.00	-2.90	0.90	-0.30	0.40	1.00	-0.30	-0.80
21	-1.90	-1.40	-0.50	-3.30	1.20	-0.50	0.20	1.30	-0.40	0.00
22	-1.90	-1.40	-1.00	-3.00	1.20	-0.60	-0.30	1.60	-0.40	0.20
23	-1.00	-1.40	0.80	-2.80	1.00	-0.20	-0.70	1.90	0.00	1.00
24	-0.60	-0.70	1.20	0.00	1.00	0.10	-1.00	2.20	0.40	1.80
25	0.20	0.30	1.70	0.30	1.00	0.20	-0.80	2.40	0.80	2.00
26	0.40	0.90	2.20	3.00	1.60	0.50	-0.20	2.30	1.60	2.00
27	1.00	1.30	2.80	4.00	2.00	0.80	0.30	1.80	1.70	1.70
28	1.00	1.90	3.20	4.40	2.00	1.00	0.60	1.30	2.00	1.50
29	1.30	1.90	3.10	4.70	2.10	1.60	0.80	0.70	2.10	0.80
30	1.50	1.50	2.60	4.30	1.70	1.90	1.20	0.10	1.70	-0.30
31	1.60	1.30	2.10	4.30	0.70	1.70	1.40	-1.30	1.10	-1.10
32	1.60	0.90	3.09	3.10	0.30	1.40	1.80	-1.60	0.30	-1.20
33	1.80	0.40	0.20	1.60	-0.50	1.00	2.30	-1.60	-0.70	-0.90
34	1.60	-0.00	-0.10	-0.70	-0.70	0.90	2.50	-1.60	-2.30	-0.60
35	0.70	-0.70	-0.30	-2.50	-0.60	0.60	2.80	-0.70	-2.60	-0.70
36	-0.00	-1.40	-1.00	-2.40	-0.30	0.60	2.40	-0.30	-2.00	-0.40
37	-0.70	-2.30	-1.60	-2.30	0.60	0.60	2.30	0.20	-1.80	0.40
38	-0.80	-2.70	-2.00	-1.40	1.00	1.00	1.80	0.60	-1.20	0.80
39	-0.80	-2.70	-2.30	-1.30	1.00	1.40	1.10	1.00	-0.70	1.30
40	-0.20	-1.90	-1.80	0.20	1.70	1.60	-0.90	1.50	0.20	1.70
41	0.40	-1.20	0.00	0.90	2.00	1.30	-1.50	1.90	1.00	1.80
42	1.00	-1.20	1.00	2.20	2.00	1.10	-1.70	2.00	1.80	1.30
43	1.00	-0.30	2.10	3.30	1.50	0.40	-1.70	1.90	2.50	0.50
44	1.00	1.00	2.60	4.20	1.10	-0.00	-1.00	1.50	3.60	-0.20
45	1.00	1.70	3.10	4.10	0.90	-0.70	0.30	1.00	4.00	-0.60
46	1.30	2.60	2.20	3.50	0.30	-1.10	1.00	0.40	4.10	-1.00
47	1.60	3.20	2.20	2.50	-0.30	-1.00	1.60	-0.20	3.70	-1.30
48	1.90	3.30	2.20	0.70	-1.00	0.20	2.10	-0.20	2.60	-1.20
49	2.30	3.10	1.70	-0.90	-1.20	1.00	2.20	0.20	2.10	-0.40
50	2.30	2.60	1.30	-2.70	-1.30	1.60	1.80	0.80	-0.70	0.00

RECORD=S-537 COMPONENT=E-W SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=MIYAKO-S
DATE AND TIME=1970-04-01-23-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5000

NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	1.00	0.90	-0.60	0.30	-0.00	0.70	-0.80	0.70	-1.50	-1.20
2	1.70	1.50	-0.60	-0.30	-0.40	0.70	-1.00	0.40	-2.10	-1.20
3	1.90	1.80	0.10	-0.60	-0.60	0.70	-1.10	0.10	-2.20	-1.20
4	2.30	2.30	0.40	-0.30	-0.80	0.70	-1.00	-0.30	-1.60	-1.20
5	2.30	2.70	0.80	0.00	-0.40	0.70	-0.50	-0.30	-1.20	-0.80
6	2.30	2.50	0.80	0.60	0.00	0.70	0.00	0.00	0.00	-0.20
7	2.00	1.90	0.80	1.00	0.50	0.70	0.40	0.20	0.40	0.10
8	1.30	1.30	0.80	1.30	0.80	0.70	0.70	0.50	1.00	0.40
9	0.30	0.70	0.60	0.80	1.40	0.70	0.70	0.60	1.60	0.70
10	-0.60	-0.60	0.70	0.70	1.50	0.90	0.50	1.00	2.10	0.80
11	-0.70	-1.70	0.70	-0.30	1.20	0.90	0.10	1.30	1.60	0.50
12	-0.90	-1.90	0.30	-0.60	0.70	0.90	-0.10	1.60	1.30	-0.00
13	-1.20	-1.55	-0.40	-1.10	0.30	1.00	-0.20	1.40	0.80	-0.50
14	-1.00	-1.20	-1.20	-1.40	-0.00	1.40	0.20	1.40	0.50	-0.80
15	-0.60	-0.60	-1.90	-0.90	-0.50	1.70	0.40	1.40	0.20	-0.80
16	-0.20	0.00	-1.40	-0.90	-0.70	1.80	0.80	1.10	-1.10	-0.80
17	0.30	0.20	-0.40	-0.80	-1.20	1.30	1.40	0.80	-1.10	-1.20
18	0.60	0.60	0.00	-0.40	-1.20	0.80	1.70	0.80	-1.50	-1.60
19	0.70	0.80	1.60	0.00	0.00	0.80	1.30	0.80	-1.80	-1.90
20	0.40	0.80	2.00	0.30	0.40	0.40	0.90	0.80	-2.00	-2.30
21	0.20	1.10	2.30	0.60	0.60	0.10	0.10	0.70	-1.60	-2.30
22	0.50	1.20	2.80	1.00	1.20	-0.40	-0.60	0.60	-0.20	-1.60
23	0.50	1.20	3.30	1.60	1.60	-0.70	-0.90	0.40	0.90	-1.30
24	0.40	1.20	2.90	2.00	1.00	-0.80	-1.00	0.60	1.30	-1.00
25	0.50	1.20	2.60	2.30	0.30	-1.00	-0.70	0.60	1.70	-0.50
26	0.50	1.20	1.50	2.00	0.30	-1.20	-0.20	1.00	1.50	0.00
27	0.50	1.20	-1.10	1.10	-0.00	-1.10	0.30	1.30	1.20	1.40
28	0.50	1.20	-2.00	0.10	-0.40	-0.60	0.60	1.10	0.70	1.60
29	0.70	1.20	-2.90	-0.60	-0.40	0.00	1.00	0.70	0.20	2.10
30	0.70	0.95	-3.50	-1.40	-0.40	0.60	1.70	0.40	-0.40	2.00
31	0.60	0.70	-4.00	-1.80	-0.60	1.00	2.10	0.10	-0.70	1.60
32	0.20	0.40	-3.00	-1.20	0.20	1.80	2.30	-0.20	-1.20	0.90
33	0.20	-0.00	-2.20	-0.90	0.40	1.90	1.50	-0.20	-1.50	-0.90
34	0.20	-0.40	-1.00	-0.40	0.80	1.90	0.70	-0.20	-1.60	-1.90
35	0.10	-0.60	1.60	0.00	1.00	1.70	0.20	-0.20	-0.80	-2.70
36	0.40	-0.50	2.80	0.40	1.40	1.30	-0.60	-0.20	-0.60	-2.40
37	0.60	-0.20	3.60	0.80	1.80	1.00	-1.10	-0.20	-0.30	-1.70
38	1.70	0.10	3.80	1.20	2.20	0.70	-0.60	-0.20	0.10	-0.30
39	1.90	0.40	3.80	1.60	1.30	0.30	-0.60	-0.20	0.60	1.10
40	2.20	0.80	3.10	1.80	0.70	-0.10	0.20	-0.20	0.80	2.00
41	2.60	1.20	2.30	1.30	0.20	-0.30	0.60	0.60	1.40	2.40
42	2.40	1.60	1.10	1.00	-0.50	-0.50	1.20	1.00	1.80	2.40
43	1.80	1.40	-1.30	0.90	-1.00	0.00	1.70	1.30	1.90	1.70
44	1.20	1.40	-1.60	0.70	-1.00	0.40	1.60	1.80	1.60	1.10
45	0.50	0.70	-1.20	0.60	-0.60	0.70	1.40	1.70	1.20	0.10
46	-0.70	0.30	-0.80	0.80	-0.10	0.60	1.30	1.30	1.20	-0.70
47	-2.10	-0.30	-0.10	0.80	0.20	0.30	1.10	0.70	0.80	-1.60
48	-2.00	-0.70	0.30	0.80	0.60	0.10	1.10	0.20	0.20	-1.70
49	-0.60	-0.70	0.30	0.80	1.00	-0.30	1.10	-0.30	-0.50	-1.40
50	-0.30	-0.70	0.30	0.40	0.70	-0.70	0.80	-0.70	-0.90	-1.00



Response Spectra



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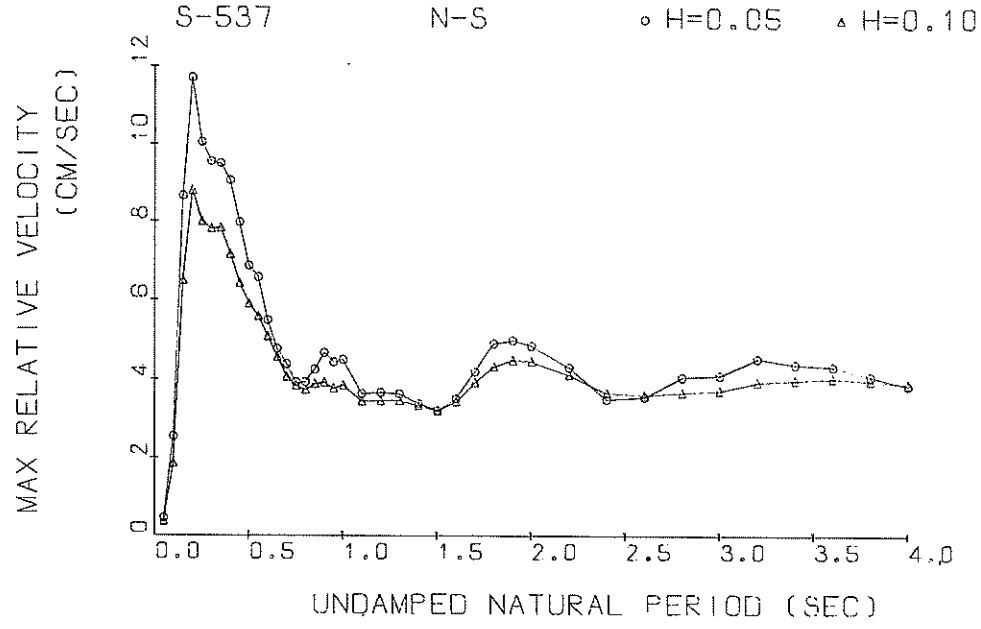

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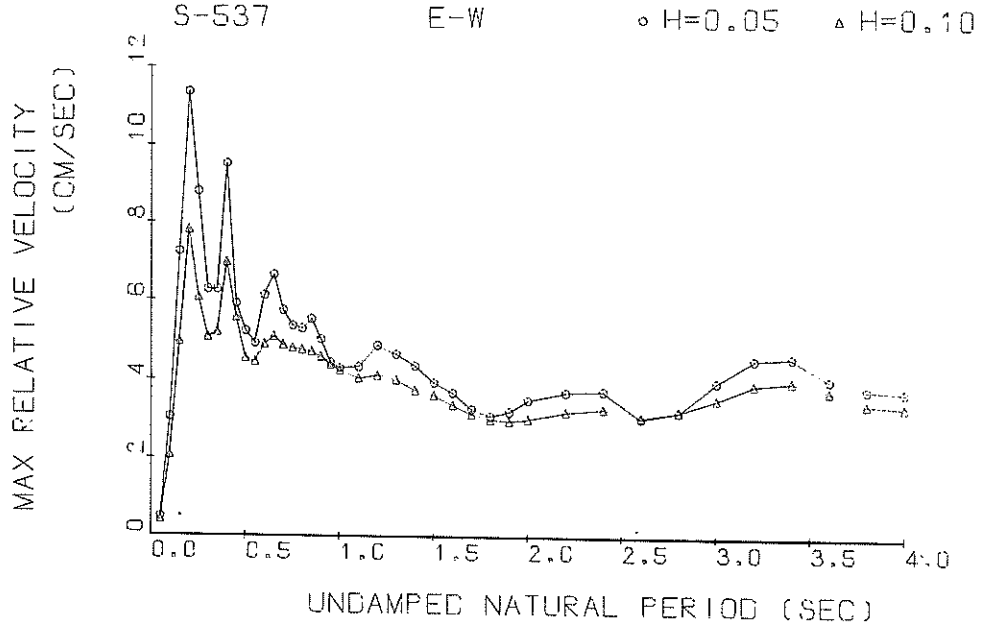

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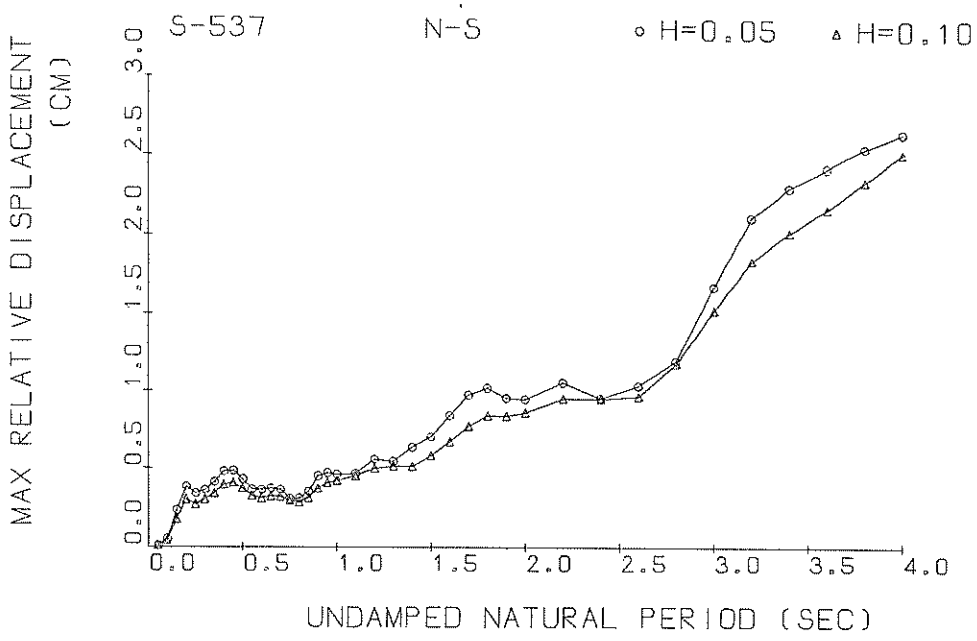

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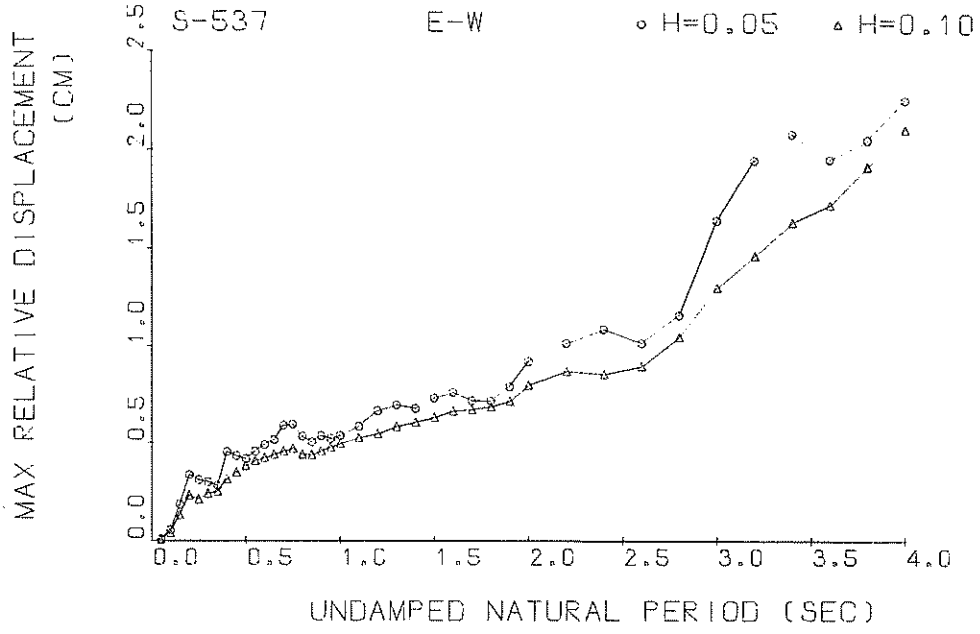


Response Spectra

RESPONSE SPECTRUM

RECORD = S-567 N-S 1970-04-01-23-23
STATION = MIYAKO-S INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =25.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 114.66(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.181	135.37	40.34	0.447	0.0086
0.100	1.708	195.86	133.29	2.547	0.0492
0.150	3.548	406.82	329.28	8.661	0.2314
0.200	3.283	376.46	400.82	11.717	0.3829
0.250	1.872	214.59	304.99	10.049	0.3376
0.300	1.381	158.32	253.86	9.550	0.3608
0.350	1.164	133.44	224.78	9.496	0.4113
0.400	1.034	118.52	178.27	9.065	0.4787
0.450	0.828	94.94	170.34	7.974	0.4829
0.500	0.600	68.79	152.28	6.864	0.4304
0.550	0.418	47.94	147.68	6.565	0.3642
0.600	0.352	40.34	152.45	5.489	0.3600
0.650	0.309	35.43	149.15	4.771	0.3721
0.700	0.261	29.92	144.46	4.393	0.3626
0.750	0.192	22.03	136.69	3.932	0.3056
0.800	0.171	19.58	134.24	3.939	0.3083
0.850	0.171	19.60	132.32	4.262	0.3521
0.900	0.196	22.49	127.04	4.667	0.4494
0.950	0.181	20.79	122.54	4.440	0.4712
1.000	0.160	18.33	121.09	4.497	0.4599
1.100	0.134	15.38	121.77	3.651	0.4659
1.200	0.134	15.40	119.04	3.678	0.5564
1.300	0.112	12.85	118.01	3.639	0.5450
1.400	0.112	12.87	117.86	3.390	0.6338
1.500	0.108	12.36	119.15	3.218	0.7013
1.600	0.114	13.08	120.24	3.521	0.8394
1.700	0.117	13.37	119.12	4.200	0.9743
1.800	0.110	12.62	117.45	4.908	1.0207
1.900	0.093	10.61	116.85	4.988	0.9547
2.000	0.083	9.49	116.91	4.853	0.9476
2.200	0.077	8.85	116.30	4.318	1.0501
2.400	0.059	6.78	116.17	3.506	0.9549
2.600	0.054	6.22	118.06	3.572	1.0342
2.800	0.053	6.07	119.90	4.060	1.1950
3.000	0.066	7.54	120.14	4.115	1.6719
3.200	0.073	8.31	119.10	4.541	2.1071
3.400	0.070	8.06	117.79	4.392	2.2941
3.600	0.065	7.50	116.90	4.341	2.4227
3.800	0.062	7.07	116.58	4.087	2.5535
4.000	0.058	6.63	116.68	3.855	2.6417

RESPONSE SPECTRUM

RECORD = S-537 N-S 1970-04-01-23-23
STATION = MIYAKO-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =25,0000(SEC) SKIPPED LENGTH = 0, (SEC)
DAMPING COEFFICIENT = 0,100 MAX,GROUND ACC,= 114,66(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.150	131.85	30.77	0.368	0.0068
0.100	1.381	158.38	94.60	1.864	0.0399
0.150	2.702	309.79	251.82	6.486	0.1715
0.200	2.616	299.95	313.30	8.792	0.2972
0.250	1.518	174.05	258.48	7.995	0.2676
0.300	1.169	134.00	226.29	7.809	0.2970
0.350	0.961	110.20	194.37	7.822	0.3358
0.400	0.868	99.56	155.12	7.152	0.3935
0.450	0.715	82.03	153.35	6.417	0.4049
0.500	0.532	60.96	136.94	5.899	0.3695
0.550	0.378	43.30	167.62	5.587	0.3210
0.600	0.303	34.79	143.76	5.077	0.3053
0.650	0.278	31.85	143.33	4.561	0.3174
0.700	0.240	27.49	140.28	4.072	0.3142
0.750	0.199	22.78	136.18	3.846	0.2962
0.800	0.172	19.68	133.30	3.744	0.2886
0.850	0.148	16.99	130.73	3.893	0.3066
0.900	0.160	18.35	127.54	3.981	0.3678
0.950	0.159	18.26	124.68	3.784	0.4069
1.000	0.150	17.22	123.02	3.857	0.4192
1.100	0.134	15.34	121.83	3.449	0.4495
1.200	0.124	14.26	120.40	3.458	0.4961
1.300	0.109	12.48	119.17	3.471	0.5088
1.400	0.096	11.04	118.80	3.341	0.5078
1.500	0.102	11.67	119.23	3.209	0.5804
1.600	0.103	11.86	119.46	3.444	0.6680
1.700	0.100	11.49	118.96	3.928	0.7705
1.800	0.095	10.84	118.15	4.361	0.8379
1.900	0.086	9.81	117.61	4.486	0.8344
2.000	0.081	9.23	117.66	4.459	0.8579
2.200	0.073	8.34	116.96	4.118	0.9509
2.400	0.062	7.11	117.05	3.666	0.9489
2.600	0.054	6.17	118.03	3.614	0.9654
2.800	0.056	6.44	119.02	3.683	1.1766
3.000	0.063	7.17	119.24	3.726	1.5243
3.200	0.066	7.59	118.74	3.942	1.8368
3.400	0.065	7.49	118.01	3.986	2.0206
3.600	0.061	7.01	117.42	4.044	2.1650
3.800	0.058	6.63	117.10	3.976	2.6397
4.000	0.056	6.43	117.02	3.896	2.5185

RESPONSE SPECTRUM

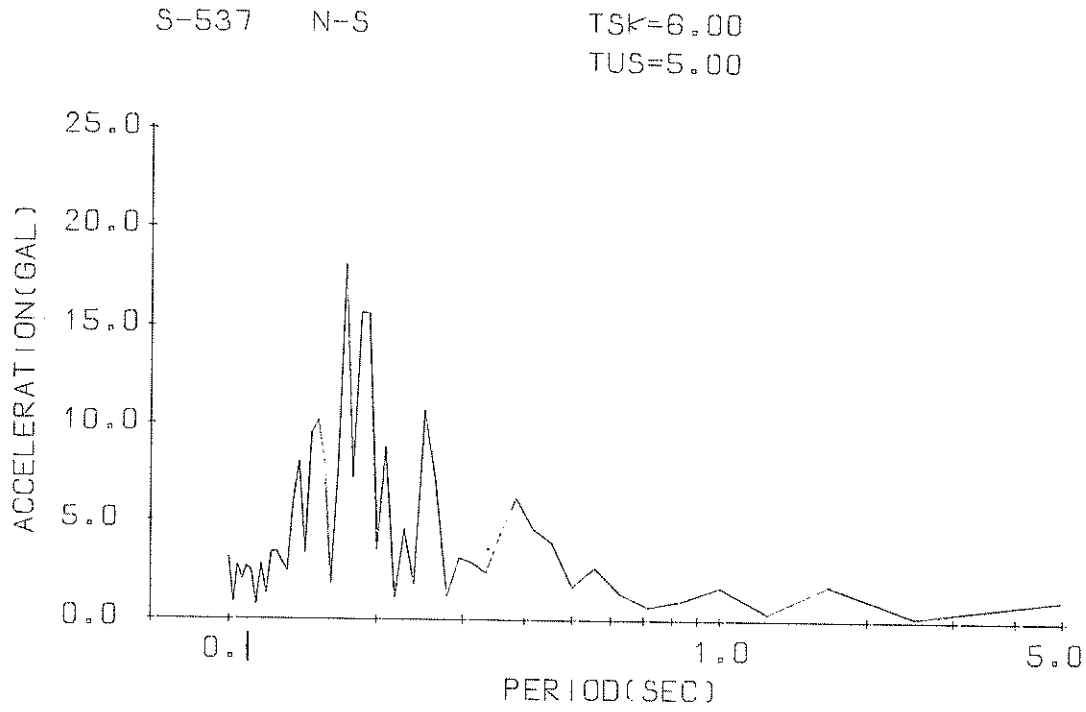
RECORD = S-537 E-W 1970-04-01-23-23
STATION = MIYAKO-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =25,0000(SEC) SKIPPED LENGTH = 0, (SEC)
DAMPING COEFFICIENT = 0,050 MAX,GROUND ACC,= 88,71(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0,050	1,267	112,41	54,91	0,480	0,0071
0,100	2,407	213,48	182,65	3,037	0,0538
0,150	3,624	321,46	300,70	7,227	0,1840
0,200	3,730	330,85	372,47	11,347	0,3337
0,250	2,221	197,05	285,76	8,789	0,3079
0,300	1,477	131,05	169,95	6,252	0,2988
0,350	1,022	90,63	167,35	6,246	0,2782
0,400	1,264	112,16	187,62	9,511	0,4527
0,450	0,952	84,49	146,75	5,886	0,4312
0,500	0,744	66,04	102,89	5,206	0,4158
0,550	0,673	59,66	115,18	4,908	0,4541
0,600	0,611	54,20	123,27	6,105	0,4888
0,650	0,546	48,44	109,19	6,628	0,5169
0,700	0,540	47,87	108,86	5,722	0,5887
0,750	0,474	42,08	105,37	5,342	0,5924
0,800	0,376	33,32	104,11	5,272	0,5328
0,850	0,310	27,52	99,57	5,512	0,5020
0,900	0,296	26,24	88,71	5,006	0,5345
0,950	0,259	22,95	84,96	4,422	0,5202
1,000	0,241	21,36	86,88	4,289	0,5361
1,100	0,215	19,09	84,48	4,320	0,5811
1,200	0,206	18,29	80,90	4,862	0,6628
1,300	0,183	16,20	84,41	4,642	0,6924
1,400	0,155	13,74	89,82	4,354	0,6763
1,500	0,146	12,94	92,62	3,921	0,7282
1,600	0,134	11,86	93,15	3,667	0,7584
1,700	0,112	9,95	91,54	3,257	0,7144
1,800	0,100	8,86	90,67	3,083	0,7116
1,900	0,099	8,81	89,84	3,194	0,7875
2,000	0,105	9,29	88,58	3,487	0,9200
2,200	0,097	8,57	84,43	3,686	1,0140
2,400	0,086	7,61	84,14	3,722	1,0864
2,600	0,067	5,97	86,01	3,028	1,0130
2,800	0,067	5,91	85,84	3,198	1,1607
3,000	0,082	7,28	84,11	3,949	1,6428
3,200	0,085	7,56	82,92	4,524	1,9460
3,400	0,081	7,20	83,07	4,571	2,0795
3,600	0,070	6,18	84,09	4,020	1,9515
3,800	0,064	5,66	85,20	3,779	2,0519
4,000	0,064	5,63	85,89	3,717	2,2554

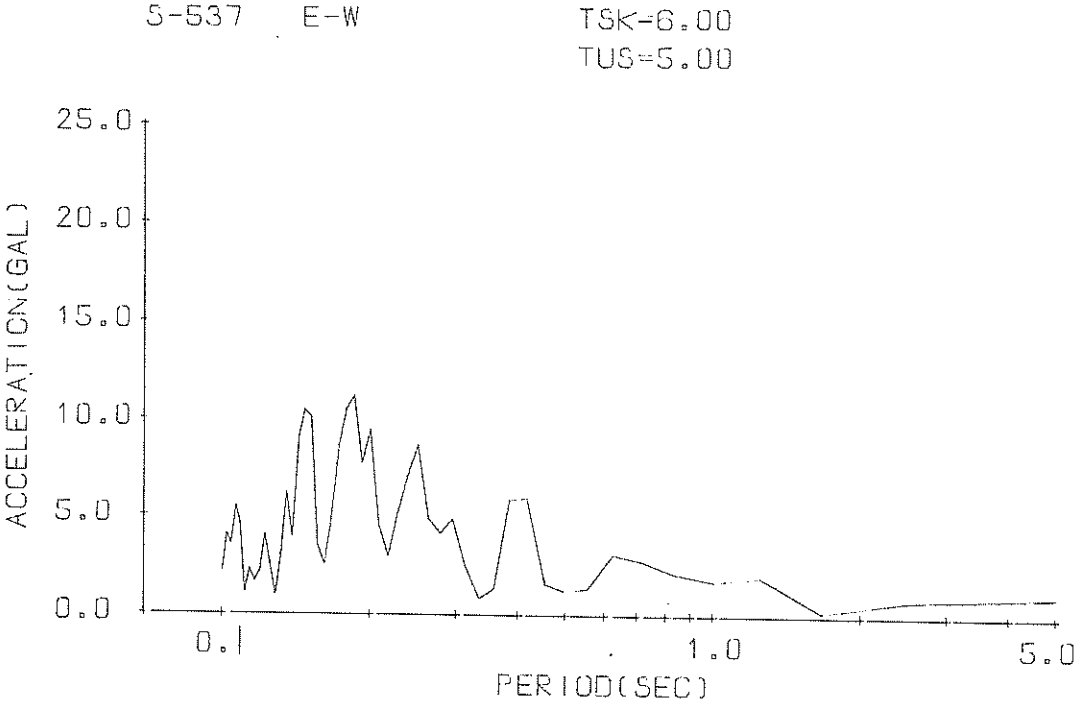
RESPONSE SPECTRUM

RECORD = S-537 E-W 1970-04-01-23-23
STATION = MIYAKO-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =25,0000(SEC) SKIPPED LENGTH = 0, (SEC)
DAMPING COEFFICIENT = 0,100 MAX,GROUND ACC,= 88,71(GAL)

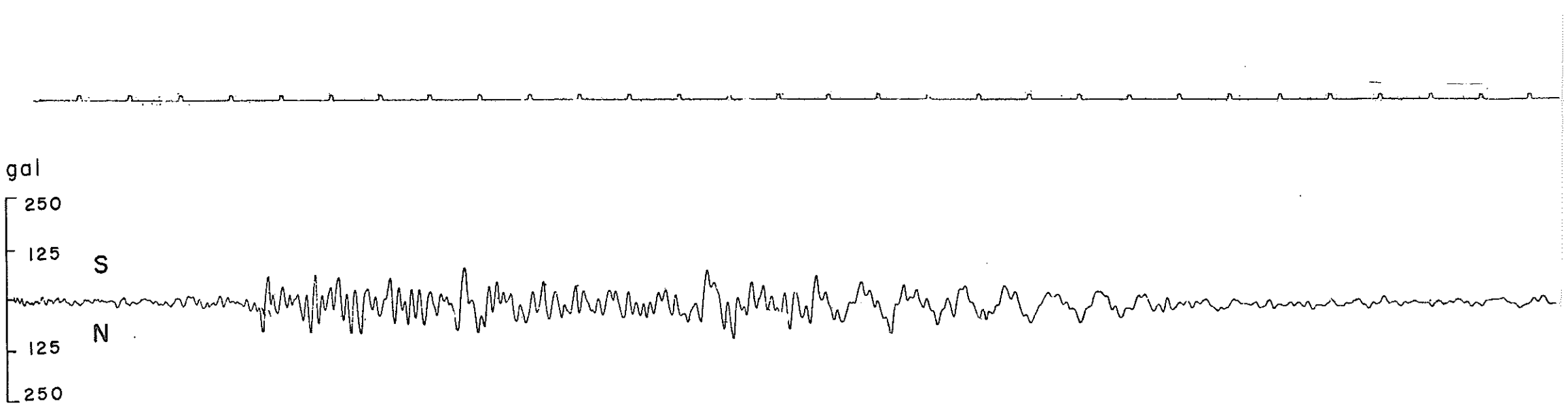
PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0,050	1,244	110,37	40,98	0,422	0,0070
0,100	1,831	162,44	127,18	2,071	0,0407
0,150	2,643	234,46	198,79	4,949	0,1307
0,200	2,619	232,33	268,49	7,787	0,2285
0,250	1,502	133,28	212,82	6,049	0,2077
0,300	1,211	107,45	142,04	5,061	0,2390
0,350	0,931	82,55	160,18	5,179	0,2488
0,400	0,875	77,62	156,69	6,954	0,3100
0,450	0,776	68,87	120,65	5,549	0,3436
0,500	0,691	61,29	104,76	4,534	0,3774
0,550	0,610	54,13	106,31	4,435	0,4032
0,600	0,531	47,12	107,77	4,882	0,4191
0,650	0,469	41,62	94,91	5,071	0,4354
0,700	0,427	37,91	96,92	4,860	0,4527
0,750	0,388	34,41	96,18	4,786	0,4665
0,800	0,315	27,91	95,39	4,742	0,4368
0,850	0,275	24,43	96,82	4,705	0,4349
0,900	0,254	22,57	88,88	4,570	0,4543
0,950	0,239	21,19	84,12	4,369	0,4712
1,000	0,225	19,95	82,11	4,260	0,4892
1,100	0,199	17,68	81,20	4,025	0,5215
1,200	0,174	15,44	81,25	4,100	0,5425
1,300	0,157	13,95	84,59	3,990	0,5773
1,400	0,142	12,61	87,91	3,728	0,6005
1,500	0,129	11,44	90,20	3,596	0,6270
1,600	0,118	10,49	90,93	3,363	0,6578
1,700	0,108	9,57	90,49	3,126	0,6655
1,800	0,099	8,80	89,80	3,000	0,6799
1,900	0,094	8,31	89,08	2,955	0,7083
2,000	0,096	8,48	88,10	3,009	0,7932
2,200	0,089	7,86	85,80	3,191	0,8667
2,400	0,071	6,27	85,17	3,268	0,8499
2,600	0,062	5,48	85,65	3,065	0,8913
2,800	0,066	5,86	85,49	3,214	1,0430
3,000	0,069	6,13	84,66	3,518	1,3020
3,200	0,068	6,02	84,02	3,883	1,4644
3,400	0,069	6,08	84,00	3,957	1,6339
3,600	0,065	5,81	84,47	3,729	1,7228
3,800	0,060	5,35	85,04	3,413	1,9162
4,000	0,060	5,35	85,46	3,340	2,1052

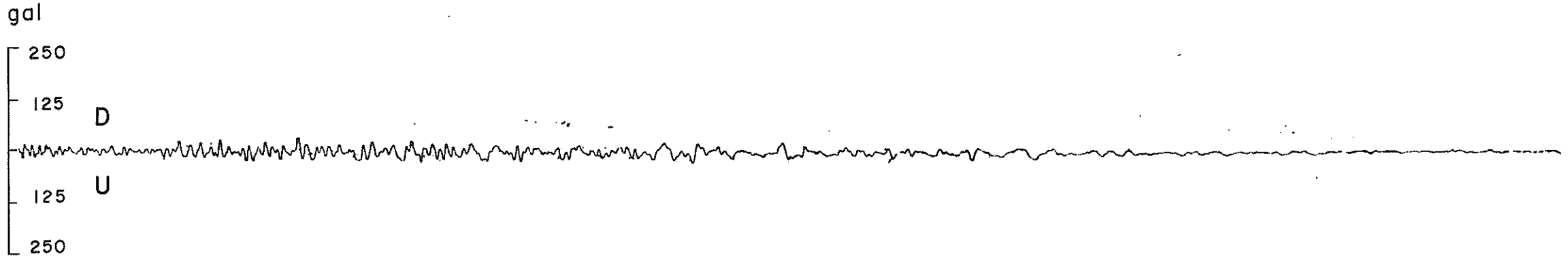


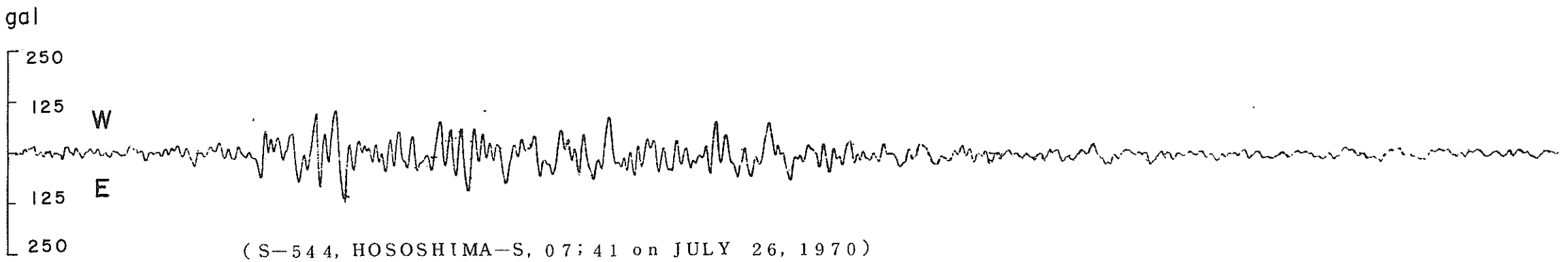
Fourier Spectrum



Fourier Spectrum







(S—544, HOSOSHIMA—S, 07;41 on JULY 26, 1970)

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-0,00	-6,99	2,81	3,58	2,74	-4,59	-4,25	15,05	0,38	-0,86
2	-4,19	-2,24	0,52	5,87	3,74	-3,12	-5,15	15,62	-0,32	-1,66
3	-1,60	-0,84	-1,68	4,87	4,74	-9,58	-5,64	15,57	-2,03	-2,36
4	0,90	-0,04	-1,08	4,18	4,83	-8,11	-5,53	14,67	-6,03	-2,37
5	6,30	-0,34	0,12	4,27	3,82	-1,31	-3,44	13,75	-7,09	-3,07
6	7,07	-0,24	-0,09	3,78	-0,27	-4,39	-1,84	12,29	-3,72	-6,08
7	4,89	1,45	1,81	4,55	2,03	0,09	-0,25	11,73	-1,63	-7,28
8	4,30	2,35	1,81	-0,13	1,83	0,49	2,05	12,24	0,97	-8,69
9	5,00	1,95	2,81	4,97	-0,17	2,69	2,45	13,26	3,59	-10,07
10	5,82	0,35	3,83	4,66	3,81	4,20	1,85	14,52	11,62	-10,08
11	9,90	-2,65	8,52	2,17	-3,98	7,20	0,75	14,78	13,24	-1,47
12	10,12	-4,04	8,80	0,77	-8,19	7,69	-3,16	14,01	15,15	0,83
13	6,94	-1,05	7,87	-0,03	-9,40	7,89	-5,56	11,49	16,76	5,56
14	1,99	0,75	5,30	-0,56	-11,14	7,90	-6,66	4,10	16,54	9,61
15	-0,71	0,85	3,10	-1,24	-13,57	8,70	-7,85	1,70	14,17	8,71
16	-9,82	3,87	1,11	-11,83	-13,48	9,79	-7,85	-3,90	7,60	7,56
17	-0,81	10,78	0,11	-2,03	-11,13	9,79	-7,69	-5,19	2,76	2,02
18	4,71	11,95	-0,69	-0,73	-9,28	9,88	-10,55	-5,18	0,66	-3,59
19	9,75	11,89	-1,20	2,37	-4,18	9,67	-10,26	-3,29	-8,16	-9,75
20	7,92	9,94	-1,20	5,67	-4,15	9,17	-10,09	-0,30	-9,95	-13,42
21	3,48	4,92	-8,07	6,76	1,72	8,17	-2,86	2,61	-10,44	-17,32
22	0,36	1,04	-5,80	6,32	3,53	7,07	-2,26	8,42	-10,15	-20,83
23	-1,32	-1,76	-6,40	1,76	7,23	6,28	-1,56	9,68	-1,64	-20,04
24	-3,92	-4,97	-6,91	5,06	8,04	6,38	-0,96	8,66	1,56	-16,62
25	-3,01	-6,78	-7,50	5,27	9,74	6,48	0,84	6,26	8,09	-19,56
26	1,48	-8,39	-7,53	6,37	10,54	6,48	3,65	1,69	10,60	-10,39
27	4,29	-4,05	-10,10	7,36	11,43	6,37	9,44	-5,02	12,50	-6,34
28	8,11	-0,26	-10,14	7,33	11,71	5,58	9,83	-7,64	13,80	-0,98
29	3,07	3,15	-11,30	4,83	11,22	5,38	9,65	-10,55	14,71	0,92
30	-1,33	7,34	-0,90	-0,94	7,69	5,75	10,23	-12,66	13,49	1,31
31	-5,96	7,30	-0,41	0,85	-1,99	2,27	9,94	-14,31	4,64	0,61
32	-9,96	4,33	3,18	0,05	-8,12	-0,23	10,33	-14,24	2,75	-3,11
33	-11,42	3,03	-5,06	-0,15	-3,39	-1,93	10,33	-12,68	0,45	-11,74
34	-11,09	2,93	3,49	7,94	-3,39	-2,53	10,32	-11,96	0,55	-13,40
35	-9,47	3,93	1,99	-0,15	-3,49	-2,83	9,80	-10,25	3,25	-16,46
36	-1,63	4,53	-1,01	5,64	-3,50	-1,23	8,06	-7,65	3,75	-19,34
37	0,77	4,53	-4,10	3,95	-8,78	0,67	3,13	-2,61	4,55	-19,52
38	0,97	3,92	-2,21	2,85	-8,19	2,27	1,23	-0,31	4,65	-15,25
39	0,97	0,73	-6,10	1,95	-7,79	3,17	-0,27	0,89	4,05	-12,60
40	-4,22	-4,16	-5,02	2,25	-7,94	2,77	-6,90	0,79	3,44	-12,74
41	-0,03	-2,07	-6,03	2,75	-4,28	1,76	-9,38	-0,31	2,04	-14,28
42	-4,85	-0,07	-8,41	3,24	-1,39	-0,23	-9,87	-8,93	0,34	-19,67
43	-8,02	3,63	-8,08	2,34	-1,19	-2,14	-9,83	-10,01	-1,26	-38,26
44	-6,60	5,53	-5,65	-0,46	1,30	-4,15	-7,42	-9,90	-1,36	-52,95
45	-2,94	5,62	-9,96	-1,16	1,30	-6,54	-2,77	-8,85	0,54	-58,87
46	-3,03	5,34	-2,82	0,64	0,30	-6,43	-0,48	-4,61	2,14	-71,53
47	-1,44	7,66	-2,42	1,04	-0,10	-5,63	2,03	-3,02	3,24	-78,19
48	-1,74	10,44	-1,42	3,83	-0,20	-4,44	9,68	-3,12	3,24	-77,35
49	-4,94	10,94	-7,98	-0,16	-0,50	-3,84	12,49	-0,82	1,44	-71,99
50	-5,95	7,85	1,78	2,44	-0,20	-3,94	14,45	-0,32	-0,36	-68,01

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO.ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-18,10	0,96	-15,84	-38,04	13,97	-50,56	5,48	16,95	7,82	26,17
2	27,47	-5,13	-28,88	-40,51	3,43	-46,03	-6,82	11,13	3,27	16,86
3	43,88	-3,24	-40,72	-40,42	-0,57	-29,22	-23,81	4,30	0,47	10,98
4	58,34	-0,44	-49,77	-27,90	-7,10	3,13	-32,15	-0,59	-6,69	5,21
5	64,99	6,29	-49,48	2,39	-10,55	18,98	-42,52	-1,79	-16,89	0,73
6	63,83	10,16	-34,27	17,75	-14,03	31,16	-49,79	-1,69	-25,59	5,37
7	54,77	10,65	-7,05	22,61	-15,42	38,22	-52,42	0,11	-34,71	12,11
8	44,30	10,65	13,33	18,88	-14,32	37,95	-51,67	2,51	-44,36	18,10
9	31,21	10,71	21,32	9,28	-8,73	34,69	-46,88	2,51	-53,92	24,81
10	12,30	13,03	19,94	-0,53	5,16	25,54	-39,49	1,61	-64,68	28,72
11	-1,71	15,37	13,50	-14,71	11,25	12,95	-28,54	-2,40	-68,65	28,71
12	-3,19	17,95	3,49	-26,19	15,63	1,58	-7,47	-8,47	-71,36	25,53
13	7,23	21,60	-2,81	-40,73	15,49	-8,40	7,36	-13,75	-65,83	17,83
14	19,65	17,29	-12,29	-52,77	12,56	-14,23	17,72	-17,80	-61,61	12,30
15	21,08	13,17	-15,30	-60,15	2,31	-16,68	24,50	-24,04	-52,69	8,37
16	16,90	3,53	-17,34	-74,84	-8,43	-14,44	26,51	-30,12	-41,46	4,73
17	12,28	-2,36	-16,10	-76,69	-18,65	-10,35	28,42	-38,64	-31,87	6,14
18	3,16	-8,42	-9,29	-73,10	-23,66	0,88	30,24	-47,35	-28,97	8,16
19	-6,37	-12,74	1,41	-68,10	-27,40	2,88	29,97	-55,87	-30,72	10,75
20	-12,44	-20,77	14,63	-25,49	-32,40	4,27	27,92	-62,70	-34,73	11,99
21	-16,37	-24,43	20,00	15,79	-33,16	1,38	22,34	-66,32	-40,17	14,22
22	-20,68	-29,62	26,86	29,46	-32,15	-10,78	13,78	-66,50	-46,29	16,85
23	-23,49	-36,27	30,52	33,26	-28,43	-21,56	5,30	-64,88	-51,82	22,32
24	-24,89	-41,34	35,65	29,13	-25,81	-29,17	-0,66	-59,03	-54,79	25,75
25	-25,95	-44,22	37,79	23,72	-21,71	-41,27	-3,57	-53,22	-51,96	25,82
26	-25,00	-34,08	38,32	14,31	-10,44	-49,21	-6,39	-35,80	-45,71	24,45
27	-19,91	-10,88	35,94	2,64	-0,58	-50,60	-9,43	-8,48	-32,49	18,53
28	-2,70	9,65	28,79	-6,58	7,35	-46,14	-13,10	26,28	-8,39	9,71
29	12,82	20,15	14,55	-21,14	10,32	-28,05	-16,94	54,90	13,36	-4,64
30	17,94	20,98	1,49	-31,88	10,61	7,53	-23,06	71,54	27,25	-16,85
31	33,30	16,63	-10,10	-43,74	10,54	28,22	-27,45	79,35	37,08	-23,31
32	38,59	2,91	-14,39	-55,37	11,65	35,07	-29,46	86,50	41,45	-30,93
33	39,81	-8,10	-13,65	-65,91	12,99	31,64	-24,26	88,26	41,65	-37,39
34	39,63	-18,39	-7,23	-73,63	15,58	24,13	-17,40	86,44	37,58	-40,36
35	35,92	-32,96	15,97	-75,46	24,52	14,98	-0,27	81,13	28,64	-42,41
36	29,45	-52,12	38,95	-74,16	29,54	3,54	11,56	73,67	13,05	-43,09
37	23,18	-58,57	47,57	-70,59	40,07	-6,45	19,71	65,98	5,08	-41,79
38	12,53	-62,95	59,13	-61,78	48,13	-19,52	25,04	55,33	-6,62	-38,40
39	5,82	-73,39	62,87	-33,50	59,76	-26,49	24,70	42,71	-13,75	-34,00
40	-0,23	-73,27	63,44	0,95	60,95	-35,21	21,25	29,34	-20,43	-26,60
41	-4,15	-68,41	62,98	21,73	58,60	-34,72	15,73	18,52	-16,53	-15,10
42	-8,06	-20,88	60,25	27,24	50,95	-31,41	12,23	8,99	-7,91	-2,10
43	-9,93	23,80	48,87	29,11	39,43	-22,96	9,29	3,68	9,47	-0,70
44	-9,46	51,95	35,63	30,75	25,57	2,28	7,31	2,88	27,58	-0,70
45	-0,44	70,25	24,14	32,66	12,01	16,18	6,63	3,19	41,20	-1,71
46	12,70	68,82	13,05	34,11	-2,73	31,45	7,46	6,92	51,32	-11,24
47	16,71	61,67	-0,52	35,29	-23,17	33,44	10,91	10,98	54,38	-16,31
48	20,19	45,35	-13,20	34,67	-31,30	31,48	14,38	11,18	52,58	-20,14
49	16,09	25,64	-21,18	30,73	-40,62	25,44	17,81	11,15	45,42	-25,25
50	11,26	3,27	-30,02	22,94	-48,94	16,64	17,69	10,13	35,13	-29,60

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-34.58	-37.18	42.82	-15.45	17.52	-15.15	-13.75	48.03	-36.57	-9.93
2	-38.66	-31.06	36.26	-20.04	26.60	-20.19	-18.73	59.05	-46.55	-8.07
3	-42.65	-21.62	27.17	-24.84	31.54	-23.22	-21.42	74.74	-56.25	-1.17
4	-46.59	-10.51	16.17	-27.56	30.93	-22.76	-26.04	80.54	-66.35	4.76
5	-47.61	2.86	1.11	-27.28	26.15	-17.76	-27.98	83.61	-76.00	11.17
6	-45.90	10.23	-10.97	-24.20	20.23	-8.84	-29.15	82.26	-82.12	12.86
7	-41.32	18.41	-18.08	-18.52	11.76	0.69	-28.83	78.40	-85.09	16.75
8	-35.40	23.50	-21.86	-10.71	0.01	10.09	-27.05	72.66	-82.16	20.54
9	-29.83	27.46	-20.18	-1.93	-6.95	19.58	-25.40	65.62	-76.58	25.25
10	-23.83	30.77	-14.35	4.81	-14.94	25.53	-25.03	57.06	-69.18	29.70
11	-16.36	31.25	-2.87	13.07	-22.68	28.48	-24.81	49.96	-44.72	36.12
12	-8.87	30.86	12.13	21.57	-25.83	29.31	-24.49	44.38	-20.77	41.17
13	-0.81	28.31	22.67	27.58	-24.22	28.30	-24.07	41.20	-0.73	44.66
14	9.01	22.87	28.84	31.35	-18.60	24.47	-24.40	42.60	11.92	45.92
15	16.41	18.55	32.98	33.81	-13.69	20.55	-26.46	46.07	16.78	43.09
16	25.71	10.92	33.71	34.56	-6.90	15.96	-29.70	49.26	16.87	35.52
17	30.70	2.53	31.80	34.46	0.92	12.11	-35.10	52.07	13.66	25.16
18	30.78	-4.38	26.75	33.28	4.72	9.98	-40.78	53.61	8.78	14.28
19	29.37	-10.66	24.09	29.56	5.32	9.94	-44.99	54.00	3.94	2.81
20	22.22	-15.05	18.54	24.93	4.99	12.70	-45.96	52.75	-2.85	-5.11
21	13.82	-21.33	11.45	19.67	0.02	19.18	-43.94	50.28	-9.11	-10.56
22	5.52	-27.06	9.86	14.12	-5.93	23.21	-38.51	46.58	-13.12	-13.88
23	-3.75	-30.63	7.87	11.02	-12.90	28.23	-31.67	42.01	-15.15	-13.67
24	-12.70	-34.01	5.58	9.60	-19.24	33.40	-24.09	37.97	-15.10	-8.35
25	-18.02	-32.36	3.49	11.74	-23.54	35.31	-17.08	34.71	-12.31	0.11
26	-21.85	-26.23	1.09	18.35	-25.17	35.70	-14.13	31.21	-11.00	4.54
27	-20.67	-19.66	-0.91	26.99	-28.44	33.53	-11.02	30.17	-5.45	9.81
28	-15.01	-6.81	-7.65	32.97	-28.46	28.29	-9.23	26.60	-5.36	14.71
29	-10.62	-0.87	-11.46	33.47	-23.99	23.98	-7.04	23.02	-8.03	18.88
30	-2.22	-0.87	-13.35	29.42	-16.40	16.50	-4.46	20.19	-14.33	20.91
31	2.89	-4.80	-17.03	23.46	-6.92	8.84	-2.27	19.51	-20.84	20.37
32	11.26	-11.21	-17.26	18.60	-0.09	0.97	-1.07	1.88	-25.00	14.60
33	18.83	-12.72	-16.40	12.84	0.71	-4.77	1.33	-8.99	-27.33	10.05
34	29.40	-16.80	-14.61	6.99	1.01	-11.86	2.83	-19.87	-26.45	2.80
35	38.64	-17.26	-14.75	1.25	-3.72	-16.25	2.82	-31.27	-17.35	-3.92
36	48.28	-18.69	-17.82	0.05	-11.88	-21.86	0.93	-42.48	5.64	-11.24
37	54.50	-20.28	-20.82	-5.70	-18.48	-24.95	-1.98	-50.77	19.99	-16.54
38	54.71	-21.51	-22.83	-13.07	-26.57	-26.67	-8.58	-57.49	34.26	-16.95
39	49.17	-22.86	-22.22	-18.98	-31.51	-28.11	-15.77	-61.52	41.74	-13.06
40	40.56	-23.66	-16.02	-23.45	-32.78	-25.09	-25.36	-62.12	49.58	-9.37
41	29.33	-23.63	-9.15	-28.37	-27.98	-18.31	-28.66	-57.21	53.74	-7.80
42	12.55	-18.30	-0.02	-31.47	-19.95	-8.83	-33.81	-46.24	54.74	-7.83
43	1.16	-10.63	7.04	-33.81	-8.86	2.88	-38.16	-30.66	50.43	-10.08
44	-9.71	-0.88	12.50	-33.96	-1.00	14.27	-41.87	-10.54	46.57	-14.21
45	-18.63	7.13	13.18	-33.34	4.70	23.14	-43.89	0.48	36.54	-21.39
46	-25.29	17.59	12.97	-30.87	5.69	22.52	-41.58	5.48	28.84	-24.59
47	-29.75	26.63	9.88	-28.07	3.79	18.43	-33.88	5.44	18.96	-28.44
48	-35.01	34.80	5.05	-22.36	0.30	11.55	-20.79	-0.42	8.48	-31.00
49	-38.08	42.00	0.18	-11.29	-4.73	4.42	5.82	-12.84	-1.17	-30.28
50	-36.84	44.87	-5.69	4.80	-10.51	-4.79	34.10	-25.43	-7.50	-26.45

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-20,46	-28,33	-40,69	54,58	-32,47	15,29	-51,14	67,81	-18,14	32,28
2	-8,94	-37,01	-39,49	55,34	-32,81	15,35	-49,96	69,48	-15,77	32,43
3	5,77	-43,14	-35,52	54,42	-35,33	16,61	-45,86	41,79	-16,46	31,99
4	17,19	-46,47	-30,12	52,02	-40,47	18,79	-40,35	43,98	-17,09	29,82
5	25,01	-48,76	-24,39	47,74	-45,76	22,92	-35,10	45,34	-18,20	26,36
6	28,12	-46,06	-17,96	42,36	-51,96	26,88	-30,46	44,29	-20,52	20,96
7	25,39	-38,68	-13,63	36,65	-56,99	30,86	-26,14	40,79	-21,46	16,15
8	16,22	-26,38	-17,40	30,38	-60,43	34,47	-21,42	35,38	-21,73	11,32
9	6,65	-3,02	-23,77	24,97	-69,40	36,27	-16,39	29,05	-21,54	7,38
10	-7,26	12,98	-29,00	23,45	-74,30	35,96	-13,62	25,77	-19,73	3,42
11	-20,93	28,78	-34,46	21,83	-76,71	33,26	-12,71	20,62	-19,43	0,42
12	-32,86	42,81	-38,25	21,61	-74,33	28,27	-11,44	13,74	-15,71	-4,90
13	-42,88	54,71	-42,38	22,32	-69,42	24,13	-10,92	12,14	-11,60	-8,92
14	-50,58	64,60	-44,68	24,94	-64,74	19,14	-9,42	10,26	-6,92	-11,62
15	-57,61	69,84	-45,23	28,68	-56,71	13,78	-7,41	8,47	-5,52	-16,46
16	-61,63	69,59	-45,80	31,95	-39,65	8,94	-3,73	6,60	-2,34	-19,89
17	-57,30	63,54	-45,67	33,67	-17,99	6,56	4,35	6,30	-1,44	-24,64
18	-50,32	57,09	-44,69	34,66	-7,52	4,56	7,31	5,90	-1,44	-27,34
19	-35,08	48,60	-42,93	34,43	-2,78	0,58	13,60	5,90	-1,44	-28,86
20	-10,98	39,38	-41,68	33,06	0,72	-1,42	15,06	5,68	-1,44	-29,21
21	1,69	30,69	-39,75	29,53	1,02	-3,33	15,50	2,89	0,36	-26,99
22	14,05	22,07	-35,41	24,04	0,22	-5,83	14,62	0,90	3,37	-26,43
23	23,07	16,14	-30,58	19,26	-0,68	-7,13	12,02	-2,41	8,27	-25,94
24	28,66	12,68	-24,63	14,39	-1,09	-7,23	8,51	-5,23	16,26	-25,06
25	32,09	11,13	-17,48	8,56	-1,38	-7,15	6,68	-9,28	21,76	-24,86
26	33,57	11,11	-14,12	2,65	1,92	-0,73	1,23	-13,39	26,05	-25,04
27	32,70	10,33	-9,76	-1,35	6,58	6,52	-2,87	-20,50	31,71	-27,82
28	28,71	10,41	-2,70	-5,26	13,71	11,93	-6,32	-21,95	39,34	-31,99
29	23,53	13,84	2,49	-6,55	19,04	13,92	-12,46	-27,15	44,63	-37,97
30	20,95	18,94	4,49	-6,52	26,04	15,06	-23,41	-30,61	46,63	-40,66
31	12,90	23,06	5,49	-3,33	31,41	12,78	-23,54	-33,54	46,72	-43,56
32	5,70	26,86	5,48	3,56	37,64	7,54	-28,37	-35,54	45,56	-45,40
33	-3,96	29,32	4,48	8,17	44,18	5,34	-31,36	-36,16	43,71	-45,98
34	-16,34	29,01	3,19	9,65	46,93	1,36	-31,67	-33,79	41,97	-44,41
35	-19,15	25,13	3,19	9,60	47,36	-4,45	-29,77	-28,01	39,64	-42,34
36	-25,85	20,81	3,19	7,10	46,84	-9,18	-20,42	-24,83	36,18	-40,41
37	-30,96	15,42	4,28	3,04	46,14	-11,52	-7,08	-19,97	33,12	-37,48
38	-34,21	9,72	4,28	-1,36	36,05	-14,43	1,43	-16,11	31,29	-35,22
39	-34,46	4,70	3,88	-6,10	28,46	-16,54	10,41	-12,50	27,78	-32,53
40	-34,09	0,72	2,98	-11,16	20,44	-16,64	18,88	-12,14	23,97	-28,33
41	-32,19	-2,78	2,99	-15,18	12,69	-16,64	25,32	-12,90	20,44	-25,11
42	-29,53	-5,00	5,94	-21,72	9,50	-16,74	32,09	-15,43	18,27	-21,70
43	-25,70	-8,22	13,97	-26,27	9,53	-18,47	36,56	-19,83	15,94	-18,82
44	-20,43	-11,32	21,06	-29,28	11,09	-20,41	37,48	-24,75	14,22	-16,33
45	-12,05	-16,53	27,70	-32,75	14,42	-23,57	37,74	-29,58	14,02	-11,74
46	-6,22	-22,69	34,47	-35,47	17,18	-27,45	37,80	-36,15	16,22	-9,53
47	-3,95	-27,33	39,30	-36,59	18,40	-32,26	37,08	-37,96	21,20	-5,59
48	-4,98	-31,21	44,11	-36,44	18,35	-37,73	36,46	-36,59	24,03	-2,80
49	-11,74	-36,48	47,89	-35,23	17,62	-43,54	36,60	-31,47	26,84	-1,61
50	-18,62	-40,23	51,75	-33,23	16,42	-48,78	37,34	-23,28	31,04	-0,31

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	0.29	6.66	4.03	-18.44	25.13	0.19	7.66	-6.00	2.07	-8.96
2	1.29	7.25	9.72	-24.18	25.21	-3.52	8.05	-6.80	1.17	-8.18
3	2.29	7.12	15.17	-28.37	25.66	-6.75	8.14	-7.90	0.57	-1.97
4	4.11	4.74	20.65	-30.21	25.03	-10.75	7.13	-8.82	0.07	-4.46
5	9.31	1.75	25.45	-31.48	23.46	-12.11	5.34	-10.59	-0.03	-2.57
6	10.58	-1.65	28.54	-33.60	21.12	-12.07	4.15	-10.36	-1.03	-0.47
7	14.38	-3.56	30.52	-33.81	17.88	-10.79	3.74	-8.86	-0.03	0.93
8	16.40	-7.99	32.34	-33.26	13.13	-9.99	2.75	-6.89	-0.04	1.12
9	18.51	-10.58	32.83	-31.48	10.46	-8.98	2.54	-6.20	0.56	1.52
10	21.45	-11.62	32.88	-30.20	7.56	-7.00	2.44	-6.24	1.76	1.52
11	23.25	-10.42	32.85	-28.47	2.12	-5.51	2.05	-11.73	2.07	-0.08
12	25.42	-9.05	32.89	-26.21	1.32	-4.61	5.45	-6.20	5.37	1.72
13	26.58	-8.65	32.50	-22.76	-3.78	-3.81	7.07	-5.89	6.97	1.72
14	28.28	-8.46	32.50	-19.12	-3.49	-2.52	9.96	-4.69	7.56	1.72
15	28.72	-8.77	32.50	-11.75	-6.71	-0.12	10.96	-2.70	7.66	1.02
16	30.58	-9.58	32.50	-8.96	-9.74	2.38	11.74	-1.10	7.55	0.42
17	29.61	-10.39	32.50	-8.24	-12.52	4.08	11.87	2.20	7.05	0.02
18	28.60	-11.65	32.23	-8.45	-13.83	5.28	12.76	4.00	6.05	-1.18
19	27.04	-14.65	31.09	-8.65	-17.31	5.78	13.35	5.01	4.85	-1.98
20	25.61	-16.49	29.91	-8.94	-16.04	6.17	13.64	7.04	2.64	-2.58
21	22.17	-18.68	27.82	-8.76	-15.45	5.37	13.73	10.85	-4.55	-2.59
22	20.20	-20.32	25.11	-9.71	-12.56	4.37	13.51	12.94	-5.55	-2.59
23	18.33	-23.77	23.24	-8.15	-11.70	3.97	12.80	14.10	-5.85	-2.59
24	17.76	-29.95	22.75	-8.45	-8.73	3.17	11.87	14.27	-6.85	-1.99
25	17.62	-33.50	22.33	-8.76	-4.98	2.57	9.86	13.67	-6.74	-1.29
26	18.37	-40.26	21.78	-9.47	-3.78	1.07	6.49	13.05	-6.14	-1.29
27	19.70	-42.33	21.69	-10.37	-0.89	0.37	1.53	12.06	-5.35	1.51
28	20.13	-44.03	21.69	-11.26	0.51	0.27	-0.07	11.19	-4.65	2.71
29	20.92	-45.19	21.69	-11.56	1.01	8.12	-0.87	11.09	-4.55	3.91
30	22.45	-45.87	21.69	-10.82	0.61	4.78	-1.77	10.99	-3.95	5.61
31	23.39	-44.44	21.45	-5.76	0.21	8.09	-2.17	11.09	-3.65	6.51
32	25.09	-41.45	18.90	-2.15	-1.39	9.78	-1.87	11.01	-3.65	6.61
33	25.31	-38.77	14.13	3.15	-3.80	10.28	-1.88	7.99	-2.95	7.10
34	25.54	-35.91	10.53	7.19	-5.71	10.87	-3.78	8.33	-2.65	6.49
35	25.28	-32.54	4.27	11.15	-7.87	10.93	-4.58	-1.91	-0.56	5.39
36	24.60	-28.79	0.38	15.29	-13.22	9.54	-5.59	4.87	-1.95	3.50
37	23.34	-23.37	-3.64	18.42	-16.00	8.15	-6.79	3.08	4.46	1.00
38	22.05	-13.55	-12.03	22.02	-19.66	7.15	-7.60	2.68	7.98	-1.60
39	19.13	-10.48	-12.33	22.81	-17.69	6.34	-9.23	2.68	10.57	-3.70
40	16.25	-10.37	-12.62	23.39	-11.81	3.84	-11.80	2.68	11.75	-3.00
41	14.15	-9.74	-12.55	23.66	-5.74	-1.14	-12.50	2.68	11.94	-2.00
42	9.30	-7.96	-10.42	22.47	2.10	-3.75	-13.23	2.68	12.00	1.30
43	6.33	-6.67	-6.19	16.43	7.94	-5.45	-14.53	2.68	10.79	2.70
44	2.76	-5.68	-2.92	21.09	11.23	-6.36	-15.39	2.68	9.12	3.90
45	1.36	-4.98	-2.22	19.52	10.17	-7.73	-13.63	2.68	6.19	4.90
46	1.86	-4.48	-2.43	18.23	17.44	-6.43	-12.23	2.67	5.09	5.70
47	2.26	-4.09	-6.03	18.31	16.48	-4.22	-10.03	2.67	-2.97	5.90
48	3.96	-4.08	-4.64	20.77	14.40	1.45	-8.37	3.07	-2.87	6.19
49	5.06	-3.68	-8.29	22.29	10.18	4.06	-7.18	2.67	-5.89	6.19
50	6.26	-1.88	-12.82	23.81	5.36	6.06	-6.09	2.67	-8.67	5.48

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	3,19	1,45	-0,29	1,27	-8,47	0,89	2,15	-3,59	0,27	3,54
2	0,99	3,25	-0,29	-0,73	-8,46	1,29	1,25	-3,99	-0,13	7,19
3	-1,31	4,15	-0,29	-1,93	-7,56	1,69	0,55	-4,20	-1,23	12,75
4	-2,01	4,65	-0,19	-3,33	-6,17	1,99	-0,15	-5,00	-1,83	13,37
5	-2,31	5,66	0,31	-3,33	-5,46	1,99	-0,05	-5,60	-2,33	14,56
6	-3,72	7,05	0,61	-2,13	-3,17	1,78	-0,05	-6,81	-2,64	15,24
7	-4,72	7,86	1,41	-1,53	-2,17	0,18	-2,25	-8,01	-2,34	15,52
8	-5,11	8,86	2,01	-0,94	-0,28	-1,82	3,65	-8,70	-2,34	15,49
9	-4,61	9,87	3,01	-0,44	1,02	-3,12	5,45	-8,67	-2,34	14,93
10	-3,81	11,26	4,61	-0,44	1,62	-5,93	6,65	-7,29	-2,69	15,00
11	-2,01	11,87	5,86	-0,84	1,82	-7,53	7,65	-6,28	-2,44	14,53
12	1,68	12,75	6,21	1,76	1,62	-8,21	8,24	-4,29	-3,04	12,47
13	5,59	13,05	7,01	2,56	0,92	-7,61	8,24	-2,30	-4,25	7,95
14	7,19	13,34	7,51	5,17	0,22	-6,79	8,23	2,00	-6,27	2,62
15	8,48	13,28	8,00	7,39	-0,08	-3,62	7,94	3,40	-9,26	2,02
16	8,57	11,82	8,20	10,12	-0,38	-1,62	7,83	3,40	-10,07	0,82
17	7,95	11,27	8,51	12,83	-0,48	-0,52	7,53	3,40	-11,27	-0,38
18	5,94	9,02	9,21	15,02	-0,26	0,48	6,93	3,40	-12,30	-2,39
19	1,17	8,03	9,79	16,40	0,42	1,27	6,13	3,39	-13,83	-3,69
20	-2,33	7,32	9,60	17,05	0,81	1,47	5,23	3,40	-14,50	-3,69
21	-6,73	6,12	9,80	16,94	1,61	1,47	4,53	4,40	-12,30	-3,39
22	-7,54	4,33	10,27	15,14	2,61	2,37	3,73	5,00	-10,71	-3,19
23	-8,76	2,93	9,04	12,86	2,91	3,47	2,13	5,59	-9,32	-2,99
24	-10,75	1,53	6,28	10,29	3,51	4,27	0,53	5,89	-7,73	-2,59
25	-11,42	-0,77	4,68	7,81	4,11	4,87	-0,27	5,89	-6,55	-2,59
26	-10,99	-2,77	2,09	4,44	4,61	5,27	-1,67	5,54	-6,05	-2,59
27	-9,60	-4,38	0,29	1,55	5,11	4,97	-2,17	5,19	-5,55	-2,99
28	-7,97	-5,47	-1,31	0,25	5,71	4,77	-1,97	5,59	-5,15	-3,29
29	-3,23	-5,57	-1,11	-0,65	6,00	4,56	-0,37	5,59	-4,65	-3,29
30	-0,83	-5,57	-2,31	-0,65	5,31	3,97	0,23	6,19	-4,15	-3,29
31	-0,13	-5,57	-2,31	-0,65	5,10	3,76	1,03	6,18	-3,65	-3,30
32	0,27	-5,57	-2,32	-0,46	4,50	2,76	1,52	6,19	-3,16	-3,30
33	0,16	-5,58	-2,32	1,04	3,60	2,16	1,22	6,39	-2,65	-3,30
34	0,06	-5,58	-2,82	1,74	2,80	1,16	0,72	6,58	-1,06	-3,30
35	0,06	-5,58	-3,93	2,34	1,80	-1,84	-0,28	6,78	-0,16	-3,20
36	0,06	-5,58	-7,84	2,34	1,40	-2,24	-1,48	6,98	0,34	-2,80
37	0,06	-5,78	-9,25	2,34	1,00	-2,94	-8,50	7,18	1,34	-2,40
38	0,06	-6,58	-11,06	2,34	0,80	-3,14	-9,79	7,59	1,54	-1,70
39	0,06	-6,98	-12,67	2,34	0,80	-2,74	-10,19	8,49	2,54	-1,20
40	0,06	-7,18	-14,03	2,34	0,80	-2,64	-10,77	9,09	3,95	-1,20
41	-0,14	-7,08	-14,28	2,64	0,80	-2,24	-10,45	9,59	6,46	-1,20
42	0,06	-6,65	-13,25	2,34	0,80	-0,94	-9,25	10,17	9,04	-1,90
43	0,06	-3,08	-11,37	2,73	0,80	-0,54	-7,25	9,85	9,53	-2,01
44	-1,04	-2,08	-9,49	1,83	0,80	0,25	-4,28	8,85	9,41	-2,11
45	-1,65	0,31	-7,48	1,43	0,79	0,65	-2,29	7,65	8,00	-1,91
46	-2,75	1,41	-4,11	0,43	0,79	1,65	-1,09	5,66	5,62	-1,51
47	-3,54	1,71	-0,83	-1,77	0,09	2,45	-1,69	3,17	4,42	-0,91
48	-2,75	1,11	0,57	-3,07	-0,21	2,55	-1,69	2,67	2,03	-0,21
49	-2,05	0,01	1,77	-6,08	-0,21	2,55	-2,59	1,67	1,03	0,19
50	-0,55	-0,09	1,97	-7,56	-0,01	2,55	-2,79	0,87	1,53	0,49

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO.ARC STATION=HUSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	0,49	10,04	0,61	3,67	-2,57	-9,77	0,95	-3,69	-6,63	0,93
2	0,59	9,53	0,61	3,66	-1,67	-7,60	0,15	-3,69	-6,64	1,13
3	0,49	8,63	0,81	1,37	-0,67	-6,81	0,95	-3,69	-6,84	1,93
4	0,39	7,53	0,91	3,46	1,13	-6,61	0,95	-3,09	-7,04	2,62
5	0,19	5,93	0,90	2,46	2,13	-5,61	0,94	-2,69	-7,04	2,32
6	0,98	4,53	0,70	1,66	2,92	-5,12	0,94	-1,80	-7,04	1,32
7	1,18	1,14	0,30	1,46	3,02	-5,33	0,94	0,80	-7,04	0,22
8	1,38	-2,46	-0,10	0,56	2,22	-6,63	0,94	2,20	-7,01	-0,78
9	1,48	-3,56	-0,50	0,26	1,22	-7,53	0,94	3,20	-4,73	-2,58
10	1,48	-5,37	-1,50	0,36	0,42	-8,34	1,24	4,00	-3,74	-2,78
11	1,68	-7,36	-2,10	1,76	-1,18	-9,44	1,54	5,20	-2,74	-4,18
12	0,98	-7,35	-2,90	3,17	-1,68	-10,54	1,94	5,20	-1,24	-4,18
13	-0,42	-6,84	-2,80	6,17	-1,68	-11,11	2,04	5,20	-0,84	-3,98
14	-2,02	-5,05	-2,70	8,16	-0,88	-10,80	2,14	5,20	-0,24	-3,38
15	-4,33	-2,46	-2,60	8,45	-0,08	-9,79	1,74	5,30	0,76	-2,78
16	-7,13	-0,16	-2,60	8,24	0,32	-8,16	0,44	5,30	0,96	-2,79
17	-7,52	2,04	-2,60	7,44	-2,58	-3,62	-0,67	5,80	1,95	-2,79
18	-7,52	3,44	-2,61	6,44	2,32	-2,63	-1,67	7,01	2,15	-2,79
19	-6,82	4,23	-2,81	4,43	4,01	-2,33	-2,17	8,61	2,25	-2,79
20	-6,42	4,43	-2,91	-1,55	4,01	-1,73	-2,67	9,81	1,85	-2,79
21	-5,82	3,93	-2,91	-2,55	3,61	-1,43	-1,97	10,49	1,45	-2,59
22	-4,93	2,63	-2,91	-4,91	4,31	-0,73	-1,77	10,49	1,35	-2,09
23	-4,43	1,53	-3,21	-7,30	4,41	-0,43	-0,97	10,49	1,35	-1,09
24	-3,83	-0,47	-3,81	-11,91	4,86	0,07	-0,57	10,47	1,35	-0,19
25	-3,43	-2,47	-3,91	-13,84	5,32	0,27	-0,37	9,78	1,75	0,51
26	-3,43	-4,39	-3,71	-13,46	6,61	0,27	-0,37	9,46	1,95	1,11
27	-3,43	-9,81	-3,21	-11,19	7,01	0,87	-0,47	7,97	2,15	2,11
28	-3,43	-11,64	-2,71	-8,92	7,10	1,27	-0,67	6,76	2,55	2,31
29	-3,43	-10,65	-2,51	-6,91	6,50	1,27	-2,18	4,58	2,95	2,20
30	-3,44	-9,44	-1,82	-2,55	6,40	2,47	-2,68	4,08	3,54	1,30
31	-3,54	-7,44	-1,72	-0,06	6,00	3,66	-4,39	2,68	3,74	0,60
32	-3,63	-4,46	-1,72	0,34	5,40	3,76	-6,00	1,18	3,94	0,00
33	-0,84	-0,08	-1,92	0,54	4,50	3,76	-8,58	1,18	4,14	-0,80
34	-0,14	0,42	-2,42	0,64	2,90	3,76	-8,68	1,18	4,74	-1,50
35	0,96	2,82	-2,52	0,64	1,90	3,76	-8,58	1,18	5,15	-1,30
36	1,26	4,22	-2,52	0,64	2,00	4,06	-8,38	1,18	6,15	-1,30
37	2,46	4,92	-2,72	0,54	2,50	4,86	-8,18	1,18	6,94	-1,30
38	3,66	5,42	-2,82	-0,06	2,90	5,26	-7,88	0,28	7,14	-1,30
39	3,66	5,61	-2,52	-0,56	3,70	5,86	-7,68	-0,72	7,74	-1,30
40	3,56	4,91	0,18	-1,56	4,00	6,26	-7,38	-2,32	7,93	-0,90
41	3,16	3,51	2,18	-1,96	4,30	6,66	-6,98	-2,73	7,43	-0,31
42	2,66	2,71	3,89	-2,37	4,19	7,26	-6,08	-6,23	7,22	-0,11
43	2,66	1,91	6,98	-2,57	3,19	7,35	-5,28	-7,13	5,62	-0,01
44	3,26	1,31	7,67	-3,27	1,29	7,05	-4,69	-7,43	3,13	-0,01
45	5,06	1,11	7,56	-4,27	0,39	7,05	-4,49	-7,43	3,23	-0,01
46	6,86	0,91	6,47	-4,67	-8,92	7,04	-3,99	-7,43	1,63	-0,01
47	7,47	0,91	6,07	-4,67	-9,82	6,34	-3,69	-7,43	0,23	-0,51
48	9,16	0,91	5,47	-3,97	-10,51	4,74	-3,69	-7,16	-0,57	-0,81
49	9,85	0,61	4,87	-3,57	-10,71	3,35	-3,69	-6,73	-0,47	-1,41
50	10,05	0,61	4,86	-2,97	-10,59	2,15	-3,69	-6,68	0,13	-1,81

RECORD=S-544 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	-2,31	-0.05	0.91	1.27	0.93	2.99	1.85	2.41	-3.93	-4.67
2	-2,41	-0.05	0.91	0.87	2.33	2.99	2.35	3.31	-3.93	-4.17
3	-2,41	-0,06	0,90	0.16	2.73	2.98	2.64	3.70	-3.64	-3.38
4	-2.12	-0.06	1.20	-0.54	4.33	2.98	2.94	3.70	-3.13	-3.17
5	-1,92	0,04	1.50	-1.44	5.73	2.48	3.84	4.10	1.76	-1.66
6	-1,42	0.24	1.50	-1.54	6.32	1.38	4.05	4.10	3.57	-1.28
7	-0,62	0.24	1.50	-1.94	6.52	-1.02	5.65	4.10	5.06	0.12
8	-0,32	0.24	1.10	-2.54	6.52	-3.02	6.44	3.90	5.76	0.72
9	0,78	0.64	0,60	-2.94	6.52	-3.97	6.74	3.10	5.86	1.32
10	1,08	1,04	-0.70	-2.94	6.52	-4.92	6.53	2.90	5.76	2.12
11	2,68	1,64	-2,40	-3.14	6.32	-5.02	5.94	2.30	5.76	2.72
12	2,88	1,84	-3,40	-3,24	6.32	-5.02	5.73	1.60	5.76	4.12
13	3.18	1,84	-4,20	-3,44	6.12	-4.42	4,93	1.40	5.76	5.52
14	2,58	2,04	-4,60	-3,14	6.01	-4,02	4,73	1.60	5,75	6.52
15	2,17	2,14	-3,90	-2,84	5.61	-3,42	4,43	2.09	5.35	7.33
16	1,17	2.13	-2,91	-2.25	5,51	-3,02	4,43	2.19	4,85	8.53
17	0,57	1,63	-2.81	-1.65	4.31	-2,33	4.13	2.19	4.25	9.52
18	-0,03	1,13	-2,21	-1.05	3,51	-1,53	3,43	2.09	3.65	9.81
19	-1.23	0,63	-1,61	-0.35	2.51	-1.03	3.13	2.09	2.85	9.81
20	-1,83	0.23	-1,21	-0,05	1,41	-1,23	2,93	2,19	2,25	9.81
21	-2,53	-0.07	-0.61	0.45	0.01	-1.53	2.43	2.09	1.65	9.58
22	-2,83	-0,27	-0,21	0,65	-1,89	-1,93	1,93	1,29	0,85	8.19
23	-3,13	-0.67	-0.21	0,65	-2,59	-2,23	1.73	0.89	-0.15	7.20
24	-3,23	-1.07	-0,21	0,15	-3,09	-2,33	1,63	0,69	-0.15	6.40
25	-2,83	-1,77	-0.01	-0.15	-4,39	-2,33	1.63	0.29	-0.15	6.20
26	-2,23	-1,87	0,99	-0.95	-4,39	-2,33	1,03	-0.11	-0.15	5.80
27	-1,53	-2,37	1.59	-1.56	-4.39	-2.34	0.52	-0.62	-0.16	5.60
28	-0,93	-2,48	1,78	-2.36	-3,59	-2,34	-0,08	-0.72	-0.16	5.40
29	0.06	-2.68	1,98	-2.56	-3.00	-2.34	-1.08	-1.12	-0.16	5.00
30	0,66	-2,88	2,58	-2,96	-2,80	-2,34	-2,08	-1,62	-0.16	4.30
31	1,06	-2,88	2,96	-2,96	-1.10	-2,34	-2,88	-2,12	-0,36	3.30
32	1,66	-2,38	3,18	-3,26	-0,80	-2,34	-3,08	-2,52	-0,66	3,20
33	1,96	-2,38	3,18	-3,26	0.20	-2,34	-3,48	-3,02	-0,76	2.20
34	1,66	-2,38	3,18	-3,26	0,70	-2,34	-3,78	-3,12	-1,16	1,60
35	1,16	-2,38	3,08	-3,66	1,70	-2,34	-4,38	-3,32	-1,56	0.80
36	0,56	-1,98	2,08	-3,66	1,90	-2,14	-4,98	-3,32	-1,96	0.60
37	0,26	-1,58	1,48	-3,66	2,10	-1,54	-5,18	-2,42	-3,17	0.60
38	0,66	-1,18	1,08	-3,66	2,10	-1,54	-5,08	-2,32	-3,66	0,60
39	1,06	-1,08	0,98	-3,66	2,50	-1,44	-5,18	-2,03	-3,87	0.49
40	1,86	-0,98	0,96	-3,46	2,89	-1,15	-5,09	-2,03	-3,87	0,54
41	2,66	0.01	0,97	-3,37	2,99	-0,45	-5,09	-2,03	-3,87	0.59
42	3,05	0,81	1,17	-2,97	2,89	-0,25	-5,08	-2,06	-3,87	0.39
43	3,25	1,81	1,17	-2,87	2,99	-0,25	-4,09	-2,13	-3,87	-0.61
44	2,85	2,01	1,17	-2,37	2,89	0,05	-3,49	-2,73	-4,47	-1,21
45	2,75	2,61	1,17	-2,07	2,99	0,15	-3,09	-3,03	-5,07	-2,21
46	2,55	2,61	1,77	-1,37	2,99	0,65	-2,19	-3,33	-5,87	-3,01
47	2,15	2,61	2,17	-1,27	2,99	0,85	-1,19	-3,73	-6,07	-3,51
48	1,35	2,51	2,07	-0,67	2,99	1,05	-0,19	-4,03	-6,27	-3,91
49	0,55	2,11	1,67	-0,27	2,99	1,15	0,81	-4,08	-6,17	-3,91
50	0,15	1,51	1,67	0,73	2,99	1,25	1,81	-4,13	-5,17	-3,91

RECORD=S-544 COMPONENT=N-S SIGNAL=GP,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4600)	(4350)	(4400)	(4450)
1	-3,92	1,54	1,60	-5,04	1,72	1,48	-2,06	6,41	-1,64	-1,98
2	-3,92	0,74	2,20	-5,29	1,42	1,48	-2,66	7,00	-1,24	-2,58
3	-3,92	-0,26	2,80	-5,54	1,02	1,48	-3,06	7,10	-1,04	-2,58
4	-3,92	-0,36	3,20	-5,84	0,72	1,48	-3,46	6,50	-0,74	-2,78
5	-4,42	-1,26	3,20	-5,94	0,62	1,48	-3,76	6,30	-0,44	-3,38
6	-4,42	-1,66	3,20	-5,74	0,12	1,48	-4,36	5,90	0,16	-3,58
7	-4,42	-2,26	3,40	-5,34	0,02	2,18	-5,06	5,49	0,76	-4,08
8	-4,22	-2,46	3,80	-4,54	-0,38	2,78	-5,37	4,69	1,36	-4,28
9	-3,92	-3,26	3,80	-4,34	-0,58	3,08	-6,37	4,00	2,36	-4,38
10	-3,92	-4,56	3,80	-3,94	-0,98	3,58	-7,17	4,00	2,46	-4,38
11	-3,92	-4,86	3,80	-3,94	-1,38	3,98	-8,17	4,00	2,66	-4,38
12	-3,92	-4,86	4,20	-3,34	-1,98	4,28	-8,67	3,89	3,16	-4,39
13	-3,62	-4,77	4,60	-2,64	-2,39	4,48	-8,77	3,89	3,76	-4,39
14	-3,62	-4,87	4,90	-2,45	-2,99	4,67	-8,76	3,89	4,35	-4,39
15	-3,43	-4,77	5,19	-2,25	-3,39	4,67	-8,46	3,89	4,65	-4,39
16	-3,23	-4,87	5,19	-2,35	-4,09	4,77	-7,86	3,89	4,85	-4,29
17	-2,73	-4,77	5,30	-2,95	-5,09	4,87	-6,86	2,99	4,65	-4,39
18	-2,63	-4,77	5,89	-3,35	-5,29	5,07	-6,27	2,49	4,85	-4,39
19	-2,53	-4,97	5,79	-3,35	-6,10	5,07	-5,87	1,99	4,85	-4,29
20	-2,53	-5,07	5,79	-3,35	-6,70	5,07	-5,47	1,99	4,85	-4,39
21	-2,53	-4,87	5,79	-3,35	-7,30	5,07	-4,47	1,99	4,55	-4,19
22	-2,53	-4,67	5,79	-2,05	-7,89	5,27	-3,87	1,99	4,44	-3,79
23	-1,93	-4,47	5,79	-0,45	-7,59	5,37	-3,77	1,99	3,84	-3,59
24	-1,53	-4,27	5,78	0,55	-7,48	5,37	-3,77	1,98	3,54	-2,99
25	-0,03	-4,07	5,28	0,75	-6,39	5,36	-3,57	1,48	3,44	-2,40
26	0,46	-4,07	4,68	0,84	-5,79	5,36	-2,97	-0,32	3,14	-2,00
27	1,46	-3,77	4,48	0,74	-5,39	5,36	-2,18	-1,32	2,94	-1,90
28	2,46	-3,38	4,08	0,84	-5,09	5,36	-1,98	-2,12	2,94	-1,70
29	3,67	-3,28	3,60	1,14	-4,60	5,36	-1,78	-3,22	2,94	-1,70
30	4,67	-2,98	3,48	1,34	-4,20	4,96	-1,28	-3,82	2,64	-1,10
31	5,67	-2,98	3,08	1,74	-4,20	4,56	-0,98	-4,22	2,54	-0,70
32	6,67	-2,98	2,68	2,34	-3,70	4,46	0,02	-4,82	2,54	0,10
33	7,26	-2,98	1,78	3,34	-3,40	4,46	0,42	-4,82	2,54	1,10
34	7,26	-2,98	1,68	3,54	-2,90	4,46	0,82	-4,82	2,54	1,60
35	7,26	-2,98	0,88	4,54	-2,50	4,46	0,92	-4,82	2,54	2,30
36	7,26	-2,98	0,18	5,24	-2,30	4,45	0,92	-4,82	2,54	3,00
37	7,46	-2,98	0,08	5,54	-1,80	3,85	0,91	-4,43	2,53	2,99
38	7,56	-2,99	-0,53	6,14	-1,51	3,75	1,01	-4,43	2,53	2,99
39	7,55	-2,98	-0,63	6,54	-1,21	3,35	2,21	-4,43	2,53	2,99
40	7,55	-2,49	-0,63	6,94	-1,11	3,35	2,71	-4,83	2,93	2,99
41	7,55	-1,99	-0,63	7,34	-0,71	2,75	3,41	-5,13	2,93	2,99
42	7,55	-1,39	-0,63	7,73	-0,31	2,55	3,51	-5,23	2,83	2,99
43	7,55	-0,99	-0,63	7,73	0,09	1,55	3,61	-5,33	2,43	2,79
44	7,55	-0,59	-0,63	7,73	0,39	1,05	3,61	-4,93	2,23	2,19
45	7,54	0,11	-1,23	7,72	0,69	0,55	3,51	-4,53	1,23	1,79
46	6,74	0,61	-1,53	6,62	0,69	-0,55	3,71	-4,13	0,63	1,49
47	5,74	0,61	-2,33	6,02	0,89	-0,85	4,21	-3,53	-0,07	1,49
48	4,74	0,61	-3,13	5,42	1,29	-1,05	5,11	-3,03	-0,57	1,79
49	3,94	0,61	-3,34	3,62	1,49	-1,45	5,41	-2,63	-1,18	1,98
50	2,74	1,01	-4,64	2,02	1,48	-1,86	6,21	-1,94	-1,58	1,98

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	1,98	-5,16	1,76	0,16	-2,78	4,08	-3,46	1,60	2,56	0,52
2	1,98	-5,16	2,00	0,46	-3,18	4,48	-3,46	1,10	2,56	0,92
3	1,98	-5,16	2,20	0,96	-3,68	5,28	-3,26	0,90	2,56	1,02
4	1,98	-5,16	2,60	1,36	-3,78	5,38	-2,96	0,10	2,96	1,02
5	1,68	-5,16	2,80	1,66	-4,08	5,38	-2,26	-0,00	3,26	1,02
6	1,58	-5,16	3,00	1,96	-4,28	5,18	-2,16	-0,10	3,56	1,02
7	1,38	-4,86	3,10	2,16	-4,68	4,68	-1,56	-0,80	3,96	1,02
8	1,18	-4,06	2,80	2,16	-4,68	4,58	-1,26	-1,10	4,26	1,02
9	0,98	-3,66	2,30	2,96	-4,58	4,37	-0,96	-1,80	4,46	1,02
10	0,88	-3,66	1,70	3,76	-4,29	4,17	-0,97	-2,31	4,45	1,01
11	0,88	-2,96	1,29	4,16	-4,38	3,57	-0,97	-2,71	4,15	1,01
12	0,97	-2,46	0,29	4,76	-4,09	3,17	-0,97	-2,81	4,15	1,01
13	1,27	-1,77	-0,61	5,15	-3,79	2,47	-0,97	-2,81	4,05	1,01
14	1,47	-1,17	-0,91	5,35	-3,49	2,17	-0,97	-2,81	3,25	1,01
15	1,87	-0,77	-1,81	5,75	-3,39	1,97	-0,97	-2,71	2,45	1,31
16	2,27	-0,07	-2,31	6,15	-2,99	1,87	-0,97	-2,21	1,85	1,41
17	3,07	0,13	-2,91	6,25	-2,69	1,87	-0,97	-2,01	1,05	1,41
18	3,47	0,83	-3,51	6,25	-2,49	1,87	-0,77	-1,91	0,05	1,41
19	3,87	1,13	-3,71	6,25	-1,89	1,87	-0,47	-1,91	-0,85	1,41
20	4,27	1,83	-4,21	6,25	-1,79	1,87	0,03	-1,91	-1,35	1,21
21	4,57	2,23	-4,11	6,25	-1,59	1,87	0,43	-1,91	-1,35	1,21
22	4,67	3,03	-4,11	6,25	-1,59	1,87	0,63	-1,92	-1,36	1,00
23	4,56	3,23	-4,11	6,24	-1,60	1,86	1,62	-1,92	-1,36	0,80
24	4,36	3,83	-4,12	6,24	-1,30	1,86	2,02	-2,12	-1,36	0,70
25	4,16	4,02	-4,12	6,24	-1,10	1,86	2,42	-2,32	-1,36	0,50
26	3,86	4,22	-4,12	6,24	-1,10	1,86	2,82	-2,32	-1,36	0,30
27	3,76	4,72	-3,82	6,24	-1,10	1,86	3,12	-2,32	-1,36	0,30
28	3,16	4,72	-3,82	6,24	-1,10	1,86	3,12	-2,32	-1,36	0,30
29	2,86	4,62	-4,12	5,64	-1,10	1,86	3,12	-2,22	-1,36	0,30
30	2,46	4,62	-4,12	5,23	-1,10	1,56	3,12	-2,02	-1,36	0,30
31	2,46	4,62	-4,12	4,34	-1,10	0,76	3,12	-2,02	-1,36	0,50
32	2,36	4,62	-4,12	4,23	-0,70	0,16	3,12	-2,02	-1,66	0,70
33	2,06	4,62	-4,12	3,34	0,10	-1,44	2,92	-2,02	-1,86	0,80
34	1,46	4,62	-4,42	3,33	0,50	-2,45	2,32	-2,02	-1,86	0,80
35	1,36	4,52	-4,42	2,83	0,80	-3,45	2,31	-1,43	-1,87	1,09
36	0,35	4,51	-4,53	2,23	1,09	-3,75	2,11	-1,03	-1,87	1,29
37	-0,25	4,51	-4,52	2,03	1,39	-3,95	2,01	-0,83	-1,87	1,39
38	-0,65	4,51	-3,93	1,43	1,39	-4,15	2,01	-0,83	-1,87	1,39
39	-1,45	4,51	-3,73	1,33	1,69	-4,15	2,01	-0,83	-1,87	1,09
40	-2,65	4,51	-3,73	1,23	1,69	-4,35	2,21	-0,43	-1,87	0,59
41	-3,15	4,51	-3,73	1,03	1,69	-4,45	2,61	-0,43	-1,87	0,09
42	-3,65	4,51	-3,63	0,43	1,69	-4,25	2,81	-0,13	-1,87	-0,01
43	-4,16	4,31	-3,43	-0,27	1,69	-4,15	3,21	0,57	-1,87	-0,21
44	-5,36	3,71	-2,83	-0,77	1,89	-4,15	3,21	0,97	-1,87	-1,01
45	-6,05	3,21	-2,43	-1,67	2,09	-3,85	3,21	1,97	-1,87	-1,21
46	-5,85	2,51	-1,63	-1,67	2,49	-3,85	3,10	2,37	-1,77	-1,41
47	-5,75	2,01	-1,23	-1,67	2,89	-3,85	2,31	2,56	-1,28	-1,42
48	-5,75	1,61	-0,83	-1,78	3,29	-3,86	2,30	2,56	-1,08	-1,42
49	-5,75	1,40	-0,34	-2,28	3,48	-3,86	2,30	2,56	-0,68	-1,42
50	-5,65	1,40	-0,14	-2,28	3,68	-3,76	2,10	2,56	-0,28	-1,42

RECORD=S-544 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=MOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	-1.12	2.44	-1.00	-0.84	0.32	-3.22	-0.66	0.70	-1.44	0.22
2	-1.02	2.44	-0.60	-0.94	0.12	-3.72	-0.86	0.70	-1.44	0.22
3	-1.02	2.44	-0.20	-1.04	0.12	-4.12	-1.01	0.70	-1.44	0.22
4	-1.22	2.44	0.20	-1.04	0.22	-4.22	-1.16	0.60	-1.14	0.22
5	-1.22	2.44	0.50	-1.04	0.22	-4.22	-1.16	0.50	-1.04	0.22
6	-1.22	2.44	0.60	-1.04	0.22	-4.22	-1.16	0.50	-1.04	0.22
7	-1.22	2.44	0.60	-1.04	0.32	-4.02	-1.26	0.50	-1.04	0.21
8	-1.22	2.19	0.70	-1.04	0.52	-3.67	-1.57	0.49	-1.05	0.21
9	-1.53	1.93	0.69	-1.25	0.61	-3.32	-1.57	0.49	-1.05	0.11
10	-1.53	1.73	0.69	-1.25	0.71	-2.53	-1.57	0.49	-1.05	0.01
11	-1.53	1.33	0.69	-1.25	1.01	-1.73	-1.67	0.49	-1.05	-0.19
12	-1.53	1.03	0.09	-0.65	1.11	-1.43	-1.67	0.49	-1.05	-0.29
13	-1.53	0.73	-0.11	-0.25	1.41	-0.73	-1.67	0.49	-0.85	-0.29
14	-1.83	0.43	-0.61	0.05	1.71	0.07	-1.67	0.49	-0.85	-0.29
15	-1.93	-0.07	-0.61	0.55	1.71	0.47	-1.27	0.49	-0.85	-0.39
16	-1.93	-0.27	-0.31	0.75	1.71	0.97	-1.27	0.49	-0.85	-0.79
17	-1.93	-0.77	-0.31	1.25	1.71	1.47	-1.27	0.49	-0.65	-0.79
18	-1.93	-0.97	-0.21	1.45	2.61	1.67	-1.27	0.49	-0.65	-0.79
19	-1.93	-0.97	0.09	1.75	2.71	1.67	-1.27	0.49	-0.65	-0.79
20	-1.83	-0.97	0.39	1.95	3.11	1.67	-1.28	0.48	-0.86	-0.80
21	-1.13	-0.97	0.48	1.84	3.30	1.66	-1.28	0.46	-0.86	-1.00
22	-0.74	-0.98	0.48	1.84	3.30	1.66	-1.28	0.46	-0.96	-1.10
23	-0.54	-0.98	0.48	1.64	3.30	1.66	-1.18	0.48	-1.06	-1.10
24	-0.54	-0.98	0.44	1.64	3.30	1.66	-1.08	0.48	-1.06	-1.10
25	-0.54	-0.98	0.48	1.64	3.20	1.66	-1.08	0.46	-1.06	-1.10
26	-0.54	-0.58	0.48	1.64	2.90	2.66	-1.08	0.48	-1.06	-1.10
27	-0.54	-0.38	0.48	1.64	2.90	3.06	-1.08	0.46	-1.06	-1.10
28	-0.54	0.22	0.48	1.64	2.90	3.46	-1.08	0.58	-1.06	-1.10
29	-0.64	0.42	0.48	1.64	2.90	3.66	-1.08	0.78	-1.06	-1.10
30	-0.54	0.52	0.38	1.64	2.90	3.86	-1.08	0.98	-1.06	-1.10
31	-0.64	0.52	0.38	1.74	2.90	3.86	-1.08	1.18	-1.06	-1.10
32	-0.54	0.52	0.28	2.34	2.90	3.86	-1.18	1.28	-1.07	-1.11
33	-0.34	0.52	0.38	2.74	2.89	3.85	-1.29	1.27	-1.07	-1.11
34	-0.15	0.51	0.37	3.13	2.59	3.75	-1.69	1.27	-1.07	-1.11
35	0.10	0.51	0.07	3.23	2.19	3.35	-1.69	1.17	-1.07	-1.11
36	0.35	0.51	0.07	3.33	1.79	2.95	-2.19	1.07	-0.77	-1.31
37	0.45	0.41	0.07	3.73	1.19	2.75	-2.19	0.87	-0.47	-1.31
38	0.65	0.21	-0.03	3.73	0.79	2.35	-2.19	0.67	0.33	-1.31
39	0.85	0.01	-0.13	3.43	0.19	2.15	-2.09	0.47	0.53	-1.31
40	1.05	0.01	-0.13	3.23	-0.21	2.25	-1.59	0.17	0.63	-1.31
41	1.05	0.01	-0.13	3.03	-0.41	2.15	-0.79	-0.03	0.83	-1.31
42	1.35	-0.29	-0.13	3.03	-1.11	2.25	-0.39	-0.03	0.83	-1.31
43	1.85	-0.39	-0.13	2.63	-1.21	2.15	0.41	-0.03	0.83	-1.31
44	1.85	-0.29	-0.13	2.33	-1.41	1.95	0.71	-0.33	0.83	-1.31
45	2.25	-0.29	-0.13	2.23	-1.61	1.74	0.70	-0.94	0.82	-1.32
46	2.45	-0.70	-0.14	1.82	-1.82	1.24	0.70	-1.24	0.82	-1.32
47	2.44	-0.90	-0.14	1.32	-2.22	0.84	0.70	-1.34	0.82	-1.32
48	2.44	-0.90	-0.34	0.92	-2.42	0.54	0.70	-1.54	0.82	-1.32
49	2.44	-1.00	-0.54	0.82	-2.62	0.14	0.70	-1.44	0.12	-1.32
50	2.44	-1.00	-0.74	0.62	-3.02	-0.16	0.70	-1.44	0.22	-1.32

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO,	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0,00	15,62	-4,31	-7,92	-11,24	8,06	-8,74	0,90	2,70	3,00
2	2,70	15,89	-6,30	-2,20	-8,94	4,97	-5,18	-0,90	2,20	1,00
3	-0,50	13,88	-6,59	0,00	-5,38	-0,00	-2,00	-3,21	2,30	-1,70
4	-3,42	10,80	-5,99	0,10	-1,40	-1,30	3,51	-8,52	4,61	-2,80
5	-10,32	3,19	-5,20	0,	2,70	-1,00	6,51	-9,96	5,94	-3,91
6	-11,01	-1,20	-5,62	0,	3,30	0,70	7,91	-12,84	11,72	-7,91
7	-7,57	-4,01	-7,98	0,00	3,20	1,50	9,00	-16,88	19,10	-8,91
8	-5,10	-6,51	-14,03	1,70	2,00	2,40	9,08	-20,14	21,67	-9,61
9	-5,22	-7,30	-16,88	2,10	1,20	2,90	7,96	-25,08	23,23	-9,91
10	-8,84	-7,08	-15,72	4,71	0,60	3,40	5,38	-27,18	23,49	-10,64
11	-11,04	-5,09	-0,70	7,11	0,50	3,50	2,00	-28,88	23,28	-12,08
12	-12,41	-4,10	3,72	7,91	0,50	3,40	-1,50	-30,01	21,95	-11,51
13	-12,70	-3,20	9,94	8,79	0,20	1,40	-3,90	-31,45	17,63	-8,38
14	-9,80	-1,00	11,63	7,99	-0,20	-1,30	-5,17	-31,17	12,26	-6,76
15	-4,99	1,50	12,60	7,13	-0,30	-3,31	-0,40	-26,91	7,91	-3,09
16	-2,99	1,40	12,50	1,00	-0,90	-6,97	4,72	-20,05	1,00	0,60
17	-0,30	0,80	12,50	-1,50	-2,30	-13,44	7,93	-10,06	-5,95	1,70
18	-0,80	-1,10	12,49	-2,30	-3,21	-17,04	9,92	-3,99	-11,99	1,50
19	-3,31	-2,91	12,05	-2,60	-5,92	-19,01	10,91	0,20	-14,76	-1,30
20	-6,61	-7,32	10,44	-2,30	-8,20	-16,69	11,17	0,20	-13,84	-3,71
21	-7,91	-9,33	7,91	-2,00	-7,99	-14,91	9,97	-0,60	-9,96	-7,34
22	-8,71	-10,70	1,40	-1,40	-7,50	-13,10	8,75	-0,70	-7,97	-10,64
23	-8,99	-10,90	-0,70	-0,40	-7,09	-10,28	5,98	-1,30	-5,98	-12,32
24	-3,00	-10,81	-0,80	1,30	-6,60	-4,98	3,90	-1,50	-3,19	-12,91
25	-1,30	-3,49	-0,60	5,52	-6,10	-0,80	5,21	0,40	0,00	-13,30
26	-0,40	-1,30	-0,20	8,50	-6,00	0,70	7,75	0,40	3,91	-13,30
27	-4,92	0,90	-1,90	8,47	-6,00	1,10	11,96	-0,00	5,92	-13,30
28	-8,61	1,00	-3,91	6,77	-5,90	1,10	14,03	-1,60	9,08	-13,30
29	-9,29	1,00	-5,51	4,18	-5,89	0,60	17,18	-3,71	7,96	-13,30
30	-8,69	0,10	-6,49	-0,00	-4,30	-0,00	18,21	-7,91	4,98	-13,34
31	-2,09	-0,70	-5,32	-2,30	-3,10	-0,70	16,90	-8,92	0,40	-14,46
32	4,01	-1,00	7,91	-5,81	-2,00	-1,70	15,20	-9,78	-3,93	-18,46
33	7,01	0,80	8,93	-7,40	2,71	-2,30	11,24	-8,98	-11,96	-26,43
34	7,60	1,60	10,51	-7,81	7,73	-3,30	8,88	-7,96	-13,82	-32,83
35	7,59	2,00	10,95	-8,30	10,51	-4,29	1,99	-5,39	-14,20	-38,26
36	6,99	-0,00	8,91	-8,47	14,90	-3,00	-3,91	-4,00	-14,23	-43,52
37	6,37	-1,91	3,99	-6,77	14,94	-2,40	-6,93	-2,70	-14,92	-47,86
38	6,39	-11,04	1,00	-3,99	15,79	-0,60	-9,41	-0,20	-15,33	-54,33
39	0,80	-12,64	-1,20	-0,20	17,30	0,70	-9,90	5,32	-15,94	-60,86
40	0,90	-10,82	-1,30	1,90	17,28	1,10	-9,93	8,16	-16,53	-62,83
41	1,91	-4,00	-2,90	2,60	16,90	1,10	-6,57	12,55	-15,20	-59,38
42	9,11	-3,00	-4,41	1,20	15,28	1,10	-3,00	13,93	-11,00	-53,22
43	9,90	-2,40	-5,72	-1,50	12,91	1,10	-1,20	14,70	0,00	-31,28
44	9,96	-1,50	-8,73	-4,71	10,36	1,10	2,71	14,70	6,55	3,76
45	7,98	-1,90	-10,75	-7,71	8,59	0,50	7,93	14,58	11,58	23,30
46	6,50	-2,50	-12,92	-8,40	8,12	-0,00	9,92	12,04	14,40	35,36
47	6,75	-2,20	-13,58	-8,42	9,51	-0,90	10,69	9,93	14,35	43,10
48	11,88	-2,00	-13,13	-9,52	10,20	-4,92	10,37	6,78	13,14	49,81
49	14,53	-1,70	-11,32	-10,73	10,39	-7,91	8,93	4,79	11,53	50,89
50	15,22	-2,90	-8,39	-12,08	9,96	-8,90	4,98	3,00	8,90	47,33

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	41,09	40,67	-54,41	-113,51	-0,00	56,71	-16,73	52,23	48,90	-6,18
2	29,71	31,81	-66,37	-97,29	-3,72	60,77	-15,51	56,87	36,70	-16,55
3	7,15	23,17	-75,74	-75,57	-10,01	58,79	-13,78	58,06	22,83	-28,30
4	3,00	16,20	-72,50	-53,86	-15,10	52,86	-10,88	52,15	10,53	-39,23
5	2,31	6,13	-50,66	-32,60	-19,16	44,51	-6,39	43,15	-0,30	-50,23
6	8,16	-23,45	-24,65	-12,55	-22,08	33,63	-5,39	29,09	-8,83	-58,25
7	26,33	-39,03	12,92	0,00	-19,29	19,72	-4,40	4,15	-16,47	-64,32
8	33,56	-53,80	25,46	9,94	-1,10	6,08	-4,41	-8,13	-19,29	-67,53
9	34,15	-60,38	36,89	20,85	5,57	-8,17	-5,93	-24,90	-18,52	-70,94
10	32,20	-66,15	43,22	20,28	16,12	-12,78	-9,33	-37,74	-9,78	-71,37
11	26,76	-71,29	45,28	18,58	19,99	-14,99	-11,03	-46,64	0,70	-69,84
12	19,43	-68,94	41,97	13,20	20,82	-16,78	-16,04	-52,15	12,37	-66,25
13	12,70	-65,35	34,66	7,89	19,43	-18,04	-22,56	-54,39	27,76	-63,42
14	4,40	-59,67	26,34	-0,00	12,79	-18,60	-28,86	-51,01	40,68	-56,21
15	3,21	-51,20	16,47	-6,01	6,89	-18,82	-34,75	-42,47	46,44	-46,81
16	9,96	-41,57	7,81	-20,19	-3,93	-21,78	-39,81	-28,89	47,16	-37,30
17	13,11	-31,54	-5,99	-30,41	-13,08	-24,70	-41,17	-8,21	42,00	-29,33
18	19,19	-21,13	-18,19	-36,63	-18,05	-28,00	-38,09	10,39	31,10	-21,41
19	26,21	-12,82	-21,70	-40,58	-19,67	-31,55	-30,37	24,23	19,25	-15,89
20	34,68	-7,98	-18,37	-37,30	-15,69	-33,41	-19,35	40,39	6,32	-13,76
21	37,53	-6,19	-9,34	-28,33	-10,05	-31,48	-11,71	51,61	-2,71	-7,84
22	37,24	-5,10	30,42	-15,22	-3,10	-25,30	-2,38	59,83	-5,94	3,72
23	36,04	-5,52	41,20	-1,00	-1,21	-16,16	10,30	61,40	-10,83	10,02
24	34,42	-9,12	55,45	10,08	-24,79	0,30	19,27	55,13	-7,89	15,82
25	30,69	-16,10	78,82	18,26	-33,02	12,85	26,40	41,88	0,00	21,58
26	23,08	-24,00	85,59	23,04	-37,67	25,82	39,57	24,04	11,14	22,29
27	15,58	-34,09	97,58	24,94	-41,52	33,88	50,02	3,56	20,16	21,68
28	7,89	-41,49	100,19	30,13	-44,18	39,29	58,64	-12,67	23,29	16,70
29	-0,00	-41,27	102,32	27,91	-42,64	41,70	69,88	-35,03	26,30	11,88
30	-7,98	-37,30	103,70	22,24	-35,07	40,21	74,35	-48,81	26,05	7,92
31	-14,02	-28,65	101,90	19,28	-19,07	34,64	76,40	-61,14	23,34	2,39
32	-16,72	-17,22	95,82	10,87	1,40	25,13	75,63	-70,11	13,60	-2,70
33	-16,64	-5,93	95,50	5,96	12,41	14,18	72,21	-80,63	3,97	-4,51
34	-10,83	3,72	87,90	1,10	22,40	2,88	67,05	-88,21	-5,75	-6,18
35	-4,18	10,08	76,41	0,10	30,21	-8,43	61,33	-93,34	-13,06	-3,68
36	0,00	18,73	61,51	5,74	32,46	-23,65	49,65	-97,18	-17,34	2,31
37	3,90	30,51	47,11	12,02	32,06	-33,01	34,99	-91,53	-17,45	13,04
38	3,80	41,05	31,64	15,82	22,87	-39,57	17,94	-84,65	-10,72	22,80
39	3,81	53,58	12,69	17,91	14,10	-41,50	-2,31	-74,50	0,00	31,01
40	7,85	71,82	-14,38	17,86	-0,80	-39,77	-11,95	-59,48	10,05	35,68
41	11,95	83,97	-33,54	15,72	-8,90	-34,72	-20,64	-42,68	17,22	36,70
42	20,62	91,34	-49,53	10,71	-21,11	-29,14	-28,35	-25,03	22,00	35,21
43	29,21	94,68	-63,27	6,98	-28,81	-25,37	-29,91	-8,71	22,80	30,35
44	37,66	95,37	-77,01	5,00	-27,52	-23,21	-26,30	8,35	21,78	26,50
45	42,96	89,11	-87,76	5,93	-17,53	-22,50	-18,81	36,58	19,72	21,43
46	45,16	81,54	-95,58	9,54	-4,23	-22,40	-4,93	47,53	18,67	15,86
47	45,68	66,65	-109,74	11,74	12,32	-21,48	9,12	58,79	16,82	9,97
48	46,17	25,02	-116,19	12,96	26,57	-20,34	22,20	61,20	13,88	8,40
49	46,45	-15,59	-121,60	11,91	40,99	-19,59	35,33	61,20	10,82	8,45
50	45,52	-34,73	-119,55	8,85	49,48	-18,29	45,45	57,78	3,97	11,53

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	12,64	-48,40	-47,10	31,24	1,99	-13,16	-11,11	-23,19	-30,88	-17,80
2	13,92	-44,15	-46,46	47,55	-4,94	-20,82	-3,98	-34,71	-36,10	-14,81
3	14,51	-39,65	-35,59	62,36	-12,05	-31,16	1,70	-41,52	-41,55	-10,77
4	14,79	-35,90	-15,81	74,91	-23,56	-37,80	7,97	-44,30	-47,18	-1,99
5	14,49	-32,33	8,68	82,48	-31,63	-40,30	13,04	-43,22	-51,61	5,95
6	14,20	-28,26	20,64	88,53	-39,95	-39,53	16,77	-27,50	-53,83	13,28
7	14,31	-19,38	34,72	92,46	-47,03	-33,69	17,91	10,16	-51,87	23,75
8	16,88	-12,07	45,26	91,29	-49,16	-19,93	17,89	23,69	-44,78	31,15
9	19,86	-1,99	49,58	86,68	-43,34	-8,58	14,77	47,03	-35,79	38,45
10	23,31	8,93	50,50	80,22	-33,72	-1,20	9,90	61,53	-28,59	48,32
11	29,31	23,05	45,53	72,31	-22,08	3,32	4,94	66,07	-21,60	55,91
12	36,06	37,03	37,03	62,32	-1,99	11,07	-5,76	74,63	-17,93	61,00
13	38,25	45,90	28,26	51,38	8,85	17,65	-13,87	81,96	-16,88	66,64
14	41,85	52,89	19,20	39,71	18,03	19,41	-18,49	83,60	-14,86	73,16
15	45,06	58,56	9,73	27,80	22,40	14,77	-26,66	81,09	-11,79	76,93
16	43,39	60,29	-2,92	17,16	21,27	9,88	-30,92	74,19	-4,94	79,80
17	39,04	57,57	-11,63	4,95	10,72	4,37	-30,07	62,67	6,76	78,59
18	32,27	53,14	-16,30	-4,74	-0,00	-3,93	-24,83	50,49	12,86	74,82
19	21,56	47,60	-23,34	-13,95	-11,72	-13,96	-15,81	34,16	17,10	69,64
20	8,76	40,15	-27,21	-19,78	-19,54	-20,64	-12,35	12,19	16,98	61,81
21	-5,38	30,55	-30,88	-20,67	-27,00	-28,24	-10,80	2,98	14,85	55,40
22	-18,20	20,37	-36,16	-21,29	-28,63	-30,92	-10,85	-5,76	9,60	50,29
23	-31,36	13,89	-41,21	-20,19	-27,37	-35,30	-12,76	-13,95	-0,00	44,96
24	-40,68	11,36	-45,35	-18,90	-19,20	-36,40	-17,33	-19,81	-12,25	38,74
25	-48,87	13,75	-49,59	-17,70	-9,79	-36,12	-19,32	-20,04	-23,98	31,61
26	-52,92	20,54	-52,66	-17,73	0,00	-34,98	-19,47	-9,66	-34,54	22,13
27	-53,24	30,02	-55,79	-18,15	8,04	-33,82	-17,73	6,20	-39,64	14,40
28	-47,61	35,23	-59,30	-19,02	18,46	-34,28	-13,78	18,74	-42,04	5,95
29	-38,75	36,82	-60,10	-22,08	25,99	-35,92	-8,53	30,28	-46,98	-0,70
30	-30,40	36,56	-56,85	-25,67	30,06	-37,51	-3,99	37,08	-50,05	-0,70
31	-23,28	33,92	-50,75	-28,17	36,10	-36,36	-1,00	43,10	-51,09	2,41
32	-17,58	28,26	-42,56	-29,30	39,53	-30,36	0,50	49,19	-51,40	9,96
33	-14,37	19,20	-33,56	-27,76	40,13	-21,70	0,60	50,40	-50,22	12,96
34	-13,70	9,79	-25,82	-23,53	38,13	-10,17	0,60	49,31	-46,06	20,19
35	-13,63	-0,00	-18,98	-16,21	32,21	0,00	-0,40	46,80	-39,51	23,20
36	-14,45	-8,96	-13,93	-12,82	25,34	18,82	-1,50	41,69	-31,41	22,80
37	-15,72	-12,55	-12,27	-7,98	20,97	31,26	-3,91	33,56	-21,31	19,19
38	-18,26	-13,60	-11,44	-6,73	18,72	37,10	-5,90	25,18	-14,60	14,21
39	-23,22	-3,97	-12,90	-9,82	17,85	36,23	-5,90	19,18	-8,35	9,84
40	-25,70	5,74	-15,95	-16,10	20,34	32,01	-5,89	9,74	-5,00	2,40
41	-25,59	12,02	-20,01	-23,62	25,31	24,36	-4,37	6,79	-4,60	-0,10
42	-24,86	15,72	-24,23	-30,02	28,79	19,51	2,41	-4,34	-4,62	-0,10
43	-24,68	15,88	-28,56	-35,80	30,38	13,61	9,99	-13,03	-8,96	1,10
44	-25,43	11,82	-31,87	-37,02	35,16	4,36	14,35	-16,57	-12,43	5,10
45	-27,51	5,94	-31,54	-30,74	36,04	-5,97	19,92	-17,79	-16,50	5,20
46	-30,33	-1,91	-27,06	-20,85	35,48	-14,85	22,30	-19,05	-19,86	5,17
47	-35,83	-12,63	-20,67	-9,81	31,31	-18,22	21,28	-19,78	-21,63	-0,00
48	-43,64	-22,58	-7,78	-1,00	23,77	-22,40	11,70	-20,98	-22,10	-8,02
49	-48,67	-31,45	8,11	5,90	14,49	-22,07	1,99	-24,07	-23,62	-17,09
50	-50,40	-40,51	28,12	6,36	3,94	-18,61	-12,02	-27,21	-21,86	-23,75

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5500

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-31,58	14,21	-7,37	6,05	3,40	-2,00	-2,40	0,00	-12,07	2,00
2	-38,39	12,16	-4,99	-0,70	3,40	0,00	-2,80	7,93	-7,97	-0,70
3	-41,28	10,97	-3,50	-4,72	2,70	4,92	-3,90	9,93	-5,99	-4,52
4	-45,47	9,94	-5,22	-7,91	2,80	8,98	-4,71	11,56	-4,20	-8,74
5	-49,82	7,29	-8,36	-8,80	2,80	13,55	-5,91	13,74	-3,70	-11,36
6	-53,54	6,39	-12,25	-8,80	2,80	19,89	-6,70	14,53	-2,20	-13,31
7	-56,76	5,00	-17,22	-8,81	1,90	22,19	-7,20	12,93	-1,00	-13,46
8	-60,17	4,49	-22,29	-9,71	1,50	25,08	-7,30	10,90	0,00	-9,90
9	-60,90	2,39	-25,60	-10,03	-0,10	27,60	-7,60	6,97	0,90	-5,18
10	-57,32	-3,31	-24,98	-11,34	-1,30	28,10	-7,92	3,78	1,10	-1,40
11	-49,67	-6,77	-19,67	-12,75	-2,20	27,95	-9,33	-2,71	-0,00	-1,00
12	-40,01	-14,16	-5,54	-14,20	-3,50	27,03	-10,75	-9,80	-1,90	0,00
13	-30,40	-20,25	3,72	-14,17	-4,51	25,80	-12,74	-14,83	-3,71	4,50
14	-23,19	-24,38	10,93	-13,15	-7,97	23,88	-13,95	-17,36	-6,92	4,80
15	-16,78	-27,92	12,15	-6,74	-12,99	22,82	-15,15	-16,65	-8,92	4,79
16	-13,16	-27,66	20,03	-0,80	-15,45	21,27	-14,16	-13,94	-9,89	2,80
17	-6,96	-19,90	23,67	1,70	-18,74	20,08	-13,27	-7,93	-9,36	2,40
18	-3,20	-9,19	25,27	3,70	-25,59	19,87	-12,34	-2,80	-6,96	0,80
19	-4,21	2,21	27,98	3,80	-27,68	19,42	-10,35	-1,40	-3,20	-1,70
20	-5,90	14,78	30,41	3,79	-29,19	18,43	-7,96	0,00	-1,00	-2,50
21	-6,33	22,92	32,82	1,90	-29,43	17,30	-4,99	2,90	-0,40	-4,30
22	-9,36	26,17	34,07	-3,30	-28,49	14,27	-2,80	3,10	0,90	-4,60
23	-12,26	25,34	34,60	-5,32	-27,11	13,41	-0,20	3,00	1,70	-5,10
24	-10,87	20,55	33,77	-7,93	-24,74	11,12	4,92	1,30	3,91	-5,40
25	-5,98	13,76	30,00	-9,96	-22,78	7,95	7,93	1,00	6,93	-5,91
26	-3,00	7,89	24,12	-12,64	-20,91	4,58	9,91	0,60	9,64	-7,70
27	-1,00	-0,00	17,35	-13,76	-19,92	0,40	10,39	-0,50	11,56	-7,81
28	-0,40	-10,07	7,91	-15,22	-19,00	-1,30	9,96	-1,30	13,55	-8,52
29	-3,92	-17,99	1,00	-15,57	-19,00	-2,90	7,96	-2,70	14,90	-9,52
30	-9,37	-22,56	-7,00	-14,87	-18,88	-3,90	4,99	-2,80	14,98	-10,32
31	-13,00	-28,49	-16,98	-12,07	-17,24	-5,22	3,50	-2,40	14,46	-11,29
32	-15,64	-32,83	-21,18	-7,91	-14,65	-8,98	2,00	-2,00	13,52	-10,97
33	-16,40	-39,07	-19,43	-1,00	-9,22	-13,79	1,50	-0,80	11,51	-9,94
34	-16,29	-42,18	-12,79	3,93	0,10	-16,12	3,71	2,51	8,38	-7,16
35	-14,34	-42,05	-6,95	12,12	6,23	-20,02	5,52	6,92	7,26	-3,99
36	-10,78	-37,03	-2,20	18,98	9,97	-21,32	7,93	9,11	4,00	-1,50
37	-6,16	-27,33	-0,20	20,44	13,37	-21,50	9,96	9,58	3,00	0,00
38	-0,80	-13,48	2,00	26,33	15,10	-21,54	12,89	8,38	1,00	0,60
39	8,02	-1,00	2,00	28,80	15,04	-21,95	18,17	6,93	-0,40	0,60
40	16,90	7,97	-0,70	28,42	13,66	-22,54	21,78	-0,00	-0,60	0,60
41	20,21	12,98	-5,74	26,08	7,93	-23,74	22,49	-5,73	0,00	2,70
42	23,66	15,20	-11,92	21,95	2,99	-23,88	22,17	-9,79	1,90	4,81
43	24,71	15,05	-12,63	12,86	-3,31	-22,67	19,88	-14,10	2,20	6,71
44	23,92	11,93	-13,31	8,93	-5,92	-19,75	16,17	-18,79	2,70	8,10
45	22,43	9,66	-5,94	4,98	-8,72	-16,88	12,04	-20,07	3,30	7,99
46	20,64	2,79	1,70	0,60	-9,86	-14,81	6,95	-21,91	4,70	6,96
47	16,94	-2,81	5,92	0,70	-8,17	-10,90	2,40	-21,80	4,90	2,99
48	16,07	-8,76	8,90	1,40	-6,19	-6,97	-0,70	-19,84	4,99	-2,51
49	15,48	-12,27	9,00	4,60	-4,39	-4,00	-2,30	-17,96	3,50	-6,96
50	15,16	-11,29	8,95	4,30	-3,10	-2,80	-1,40	-15,80	2,80	-12,74

RECORD=S=544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-13,92	-3,51	6,77	9,31	-13,81	-4,99	8,40	2,40	3,31	3,50
2	-14,25	-5,91	3,39	9,63	-16,43	-2,50	8,39	2,50	6,40	5,31
3	-10,80	-6,72	1,00	10,92	-18,65	-1,00	7,79	2,50	6,71	6,50
4	-2,99	-8,78	-0,00	11,71	-20,50	1,20	6,79	2,50	7,50	6,80
5	2,50	-13,35	-1,90	11,90	-20,30	3,60	5,98	2,50	7,90	6,80
6	4,32	-14,50	-2,30	11,90	-18,07	4,60	2,99	1,40	8,11	6,39
7	8,94	-14,45	-4,71	11,90	-16,23	4,80	-0,00	1,00	8,49	5,59
8	11,33	-13,32	-7,51	11,98	-13,25	4,79	-3,50	1,00	7,98	4,49
9	12,42	-11,17	-8,30	11,39	-11,87	3,00	-5,31	1,50	6,79	2,00
10	13,08	-9,92	-8,50	11,19	-10,89	2,00	-6,90	1,90	5,99	0,80
11	12,57	-6,20	-8,40	11,00	-10,60	1,20	-6,99	2,70	4,80	-0,00
12	11,75	-5,99	-8,72	10,90	-10,38	0,10	-5,99	3,30	3,99	-0,90
13	9,95	-5,00	-9,72	10,88	-9,48	-0,70	-4,19	3,90	2,40	-2,60
14	7,37	-4,80	-10,55	10,08	-8,39	-1,20	-1,40	4,50	1,00	-3,10
15	4,80	-3,99	-12,71	9,08	-7,98	-1,90	-0,80	4,69	-0,70	-3,90
16	4,91	-2,00	-16,01	7,97	-6,68	-2,30	0,00	2,80	-4,71	-4,90
17	6,31	1,70	-18,33	5,99	-4,29	-2,00	1,30	1,80	-6,70	-5,60
18	7,72	5,93	-23,36	4,80	-1,20	-1,50	1,60	-0,90	-7,09	-5,59
19	8,92	9,93	-19,88	4,40	0,00	-1,00	1,60	-2,50	-6,60	-4,50
20	9,91	11,41	-18,56	3,80	3,91	-0,20	1,40	-2,60	-7,09	-3,70
21	10,42	11,92	-17,95	2,80	5,61	0,50	0,40	0,00	-6,59	-2,20
22	11,42	12,34	-17,23	2,00	7,71	1,00	-0,00	3,60	-6,00	-0,20
23	12,21	10,37	-17,78	1,30	8,11	1,50	-1,70	3,90	-5,50	2,20
24	12,60	9,18	-19,06	0,80	8,69	2,90	-3,70	4,51	-5,40	2,70
25	12,57	7,99	-20,99	1,10	7,97	4,20	-5,31	5,71	-5,30	3,90
26	11,76	6,99	-21,98	2,30	5,98	5,00	-7,33	7,50	-5,30	5,30
27	10,35	5,99	-22,58	3,91	2,80	5,90	-9,96	7,82	-5,30	6,00
28	8,09	5,10	-21,16	5,51	1,00	6,51	-12,64	9,11	-5,90	6,10
29	7,36	4,50	-16,70	6,51	-0,00	7,30	-13,72	9,92	-6,50	6,71
30	6,97	3,39	-11,76	7,70	-1,30	7,50	-14,31	10,92	-6,70	7,31
31	-3,71	0,10	-3,99	8,00	-5,30	7,39	-14,57	11,51	-7,21	7,91
32	-8,72	-0,70	-1,00	7,78	-5,71	6,19	-13,92	11,90	-7,70	8,71
33	-9,79	-1,00	-0,50	6,49	-6,49	4,99	-11,90	11,86	-7,60	9,10
34	-14,02	0,00	0,10	4,99	-5,39	3,60	-8,57	10,57	-7,20	9,19
35	-16,74	4,71	-0,00	2,80	-3,39	2,50	-6,99	9,18	-6,80	8,38
36	-17,27	5,93	-0,90	2,70	0,00	1,40	-5,99	7,92	-6,50	7,29
37	-16,73	10,03	-2,00	2,00	4,91	0,40	-5,29	2,39	-6,30	5,99
38	-15,61	15,92	-3,91	2,30	6,10	0,20	-3,99	-1,90	-6,20	4,60
39	-13,89	20,00	-6,72	5,00	6,60	0,10	-1,10	-4,91	-5,79	3,80
40	-11,26	23,37	-8,50	5,30	6,57	-0,00	0,90	-7,41	-4,79	3,70
41	-9,74	24,99	-8,70	6,10	6,19	-0,20	0,80	-8,39	-3,40	4,30
42	-6,99	27,10	-8,68	6,31	-0,00	-0,20	-0,00	-7,98	-2,50	4,90
43	-6,28	28,20	-7,47	6,90	-0,90	0,00	-1,20	-6,39	-2,00	5,60
44	-4,00	28,17	-4,98	7,30	-5,72	1,90	-2,30	-4,99	-1,60	5,90
45	-3,50	27,67	-1,50	7,18	-7,92	3,71	-3,70	-2,80	-1,20	6,30
46	-2,40	25,45	-0,50	5,59	-9,72	5,51	-4,70	-2,00	-1,00	6,70
47	-1,70	21,60	0,00	4,09	-10,60	7,41	-5,00	-1,10	-0,60	7,10
48	-1,20	17,69	4,90	0,40	-10,37	7,91	-4,20	-0,40	0,00	7,20
49	-1,00	13,20	5,31	-2,91	-8,97	8,30	-2,99	0,00	1,90	7,20
50	-1,70	7,98	6,92	-7,98	-7,18	8,40	1,10	1,30	3,20	6,99

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO,	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	6,39	-8,91	-3,80	-1,00	1,20	7,11	0,05	-5,79	-3,45	2,61
2	5,79	-9,30	-3,20	0,60	-0,00	8,11	-0,25	-5,50	-3,45	4,21
3	4,19	-9,30	-2,80	1,70	-2,70	8,49	-2,66	-4,70	-2,85	6,72
4	2,60	-9,28	-2,00	2,90	-4,70	8,09	-4,17	-4,01	-0,76	8,91
5	2,00	-7,97	-0,80	4,51	-5,40	8,18	-7,57	-3,21	1,54	10,08
6	2,30	-5,99	0,00	5,91	-6,00	8,18	-8,07	-1,87	3,84	10,08
7	2,90	-4,60	2,50	6,90	-6,00	8,35	-8,05	-0,53	6,56	10,07
8	3,50	-4,20	2,60	7,21	-6,00	6,76	-6,26	0,77	10,95	10,07
9	3,79	-3,60	2,70	7,92	-6,00	6,16	-4,28	2,77	12,12	10,06
10	2,10	-3,00	3,10	9,51	-6,00	5,76	-2,29	3,36	12,21	10,05
11	-0,00	-2,70	2,10	9,91	-6,20	5,45	-0,50	4,56	12,09	9,45
12	-2,90	-2,70	1,20	10,20	-6,70	5,15	1,20	5,35	11,66	9,04
13	-3,90	-2,40	0,30	10,20	-7,21	4,94	3,00	6,05	10,15	8,33
14	-5,30	-1,60	-1,30	10,20	-7,91	4,34	4,19	6,54	8,17	7,63
15	-5,50	0,00	-2,70	9,99	-8,72	3,93	4,79	6,53	6,76	6,93
16	-5,50	2,70	-4,71	9,60	-9,92	3,83	5,08	6,53	4,18	6,73
17	-5,50	4,92	-6,91	9,59	-10,93	3,83	4,87	6,52	3,37	6,72
18	-5,20	7,95	-7,91	9,20	-11,94	4,32	4,07	6,42	3,27	6,82
19	-4,80	11,53	-8,39	9,41	-13,10	5,02	3,66	6,21	3,67	7,22
20	-4,60	12,55	-7,99	9,93	-13,18	5,62	2,86	5,41	4,06	7,51
21	-4,60	13,95	-7,40	11,32	-12,59	6,41	2,25	5,19	4,76	7,71
22	-4,70	15,20	-7,00	12,13	-12,31	6,80	2,25	3,20	5,05	7,80
23	-4,40	15,33	-7,30	12,93	-12,70	6,99	2,24	1,79	6,05	7,79
24	-4,40	15,80	-7,40	13,72	-12,70	6,68	2,24	0,19	6,24	7,78
25	-5,30	15,80	-7,50	14,32	-12,82	6,08	2,99	-0,62	6,23	6,87
26	-5,71	15,76	-7,19	14,72	-13,31	5,27	3,73	-1,72	6,13	5,87
27	-6,71	15,05	-6,20	15,20	-13,50	4,27	5,23	-2,53	5,72	4,37
28	-7,51	13,93	-6,00	15,19	-13,47	1,87	6,53	-3,13	5,32	3,67
29	-8,32	12,37	-5,40	14,98	-12,78	0,26	7,53	-3,64	4,90	2,86
30	-9,42	11,58	-5,31	14,57	-12,17	-1,04	9,02	-4,54	3,10	2,06
31	-10,30	10,97	-6,50	13,92	-11,26	-3,45	9,51	-5,35	1,10	2,05
32	-10,46	9,99	-7,00	11,95	-9,94	-4,55	9,80	-5,45	-0,70	2,05
33	-8,98	9,40	-7,31	10,35	-6,97	-4,66	9,79	-5,45	-0,91	2,54
34	-7,99	9,41	-7,91	8,35	-4,19	-5,06	9,79	-5,06	-2,21	2,74
35	-6,98	9,92	-8,91	4,79	-2,80	-5,07	9,77	-4,66	-2,82	2,93
36	-4,99	10,71	-9,31	2,00	-0,60	-5,47	9,07	-2,67	-3,83	2,83
37	-3,30	11,21	-10,11	-1,20	1,90	-5,88	8,35	-1,08	-5,53	2,32
38	-2,00	11,70	-10,71	-1,50	4,30	-6,69	6,56	1,02	-6,84	2,32
39	0,00	11,78	-11,32	-2,20	5,21	-7,49	5,66	3,02	-7,45	2,41
40	1,20	11,18	-11,94	-2,00	6,50	-7,89	4,36	4,01	-8,35	2,71
41	2,10	10,37	-13,38	-1,40	6,80	-8,00	3,45	5,42	-9,26	3,10
42	2,70	8,98	-15,31	0,00	6,49	-7,99	1,95	7,62	-9,86	3,50
43	2,90	7,97	-15,56	1,90	5,60	-7,19	-0,06	9,19	-10,05	4,09
44	2,80	5,99	-16,56	3,30	5,00	-6,21	-1,76	9,18	-9,95	4,29
45	1,20	4,98	-15,89	3,50	4,20	-5,81	-2,17	8,76	-9,25	4,28
46	0,40	2,00	-13,88	4,30	4,30	-4,61	-3,17	7,26	-8,25	4,18
47	-0,00	-0,30	-10,92	4,90	5,10	-2,62	-3,78	5,26	-6,96	4,07
48	-1,90	-1,70	-7,95	4,80	5,10	-0,23	-4,88	3,26	-4,97	3,87
49	-4,51	-2,70	-3,99	3,90	5,41	0,46	-5,59	-0,74	-1,98	3,56
50	-6,72	-3,70	-2,00	2,80	6,41	0,46	-5,79	-2,04	0,71	3,36

RECORD=S=544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO,	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	3,25	5,01	-10,40	4,91	9,70	3,90	11,75	-0,60	6,68	0,80
2	3,05	5,60	-8,50	6,31	7,23	3,49	11,74	-0,00	9,25	3,20
3	2,74	6,21	-4,94	7,31	5,74	2,09	11,34	-0,11	9,44	5,00
4	2,24	8,30	-2,56	8,60	4,74	0,29	11,18	-0,21	9,44	6,09
5	1,53	8,99	-1,77	9,37	4,63	-0,62	11,03	-0,52	9,42	6,38
6	0,33	9,38	-0,87	8,57	4,63	0,38	11,03	-0,52	8,70	6,46
7	0,22	9,67	-0,28	7,96	5,12	2,17	11,02	-0,53	7,21	4,67
8	0,12	9,26	-0,28	6,75	5,41	3,37	11,02	-0,53	6,39	3,76
9	-0,19	8,56	-0,29	5,15	4,91	5,37	11,31	-0,34	3,69	3,06
10	-0,29	8,45	-0,59	3,15	3,80	6,97	11,30	1,66	-2,50	1,46
11	-0,50	8,05	-1,20	1,75	2,90	8,36	11,18	3,46	-5,21	-0,15
12	-1,10	8,05	-1,80	-1,05	2,10	8,65	10,18	4,86	-7,01	0,35
13	-1,31	8,04	-2,51	-2,96	1,69	8,53	9,16	6,76	-7,90	1,24
14	-2,71	8,04	-2,81	-5,17	1,59	7,53	7,27	8,90	-7,30	2,94
15	-3,12	7,93	-1,82	-6,68	1,58	6,52	5,68	12,37	-6,51	4,34
16	-3,12	7,41	0,38	-7,79	1,98	5,42	4,97	13,44	-5,32	6,35
17	-3,13	5,91	1,67	-9,29	2,27	4,21	4,17	13,72	-4,33	9,56
18	-3,23	4,51	3,47	-10,03	2,47	1,62	3,17	13,72	-3,53	11,34
19	-3,94	3,21	5,88	-12,06	3,17	0,21	2,16	13,68	-3,34	12,35
20	-4,75	2,01	8,08	-14,41	4,36	-1,59	1,26	12,95	-2,24	13,51
21	-5,64	0,90	9,77	-14,63	5,56	-2,60	0,55	11,46	-1,35	13,59
22	-5,34	0,40	10,68	-13,26	7,15	-3,30	-0,35	10,07	-0,15	13,37
23	-3,75	-0,51	11,87	-12,05	7,55	-3,31	-1,36	8,68	1,24	12,77
24	-2,36	-1,11	12,64	-10,28	8,13	-2,61	-1,46	7,81	1,24	12,06
25	-1,37	-1,42	12,61	-8,66	7,63	-0,42	-1,47	9,59	1,23	11,37
26	1,13	-0,92	11,90	-5,30	7,02	0,78	-1,27	10,19	1,13	10,96
27	3,33	1,07	11,11	-2,13	6,22	1,97	-0,68	10,79	1,12	10,36
28	7,94	3,07	10,70	-1,73	5,41	2,27	-0,68	11,38	1,12	9,84
29	9,52	6,07	10,10	-1,74	4,01	2,21	-1,09	11,79	1,01	8,74
30	10,01	7,06	9,63	-1,74	2,81	2,16	-2,09	12,56	0,81	7,34
31	9,99	7,14	10,51	-1,25	1,60	1,45	-2,90	12,73	0,80	6,33
32	9,28	6,33	11,01	-0,85	0,40	0,45	-4,11	12,23	0,80	4,35
33	8,09	4,54	11,51	-0,36	0,09	-0,46	-5,31	11,83	0,79	4,04
34	7,68	3,33	12,01	-0,26	1,29	-1,06	-5,21	11,30	0,79	4,04
35	6,78	1,73	12,79	0,73	3,09	-2,17	-5,12	9,99	0,78	4,83
36	6,57	0,93	12,99	1,33	4,49	-2,07	-4,92	8,02	0,78	5,23
37	5,47	-0,28	13,19	1,82	7,08	-1,18	-4,12	7,32	0,97	6,03
38	4,56	-1,18	13,61	2,32	7,46	0,62	-2,93	7,01	2,07	7,42
39	3,66	-1,69	14,57	2,31	6,95	3,22	-2,04	6,81	3,46	7,70
40	2,96	-4,00	14,75	1,81	5,74	5,21	-0,44	6,41	4,46	6,70
41	2,65	-5,60	14,63	1,50	3,95	6,21	0,35	6,20	6,25	5,90
42	2,65	-6,61	14,02	1,70	2,95	7,21	0,95	5,59	6,65	5,19
43	2,84	-7,93	13,31	3,50	1,94	8,22	0,94	4,39	6,64	4,29
44	3,14	-9,43	12,46	7,72	1,14	9,80	0,84	3,29	6,02	3,28
45	3,43	-10,64	9,93	10,54	0,53	10,60	0,43	2,58	4,52	1,68
46	3,83	-11,66	5,02	13,14	0,23	11,20	-0,17	1,58	1,93	1,38
47	4,12	-12,83	3,42	14,67	0,42	11,87	-0,28	1,07	0,32	1,37
48	4,42	-12,93	3,02	14,64	1,12	11,87	-0,58	2,37	-0,38	1,37
49	4,81	-12,89	2,81	14,11	2,41	11,86	-0,59	3,47	-0,39	1,56
50	4,91	-11,70	3,51	12,75	3,21	11,85	-0,59	5,66	-0,39	1,76

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO,	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	1,75	12,32	1,25	2,50	7,35	1,60	8,34	2,40	1,75	7,90
2	1,75	9,95	2,25	2,50	7,55	1,60	7,94	3,00	1,44	7,90
3	1,64	7,96	3,64	2,39	7,74	1,89	7,53	3,39	1,24	7,99
4	1,54	5,98	4,64	2,59	7,43	2,29	6,63	3,79	-0,57	7,98
5	1,53	5,08	4,83	2,58	7,23	2,88	5,83	4,18	-1,57	7,98
6	1,33	5,08	5,63	2,28	7,02	3,48	5,32	5,08	-2,18	7,87
7	0,22	5,47	6,12	1,87	6,72	3,87	4,71	5,68	-2,58	7,87
8	-0,68	5,88	6,62	1,37	6,72	3,86	3,71	7,07	-2,69	7,76
9	-0,99	7,27	7,22	0,56	7,01	3,8(	2,71	7,97	-2,69	7,35
10	-0,99	8,37	7,62	0,16	7,11	3,85	1,70	8,57	-2,69	6,85
11	-0,70	9,17	9,02	-0,65	7,20	3,75	1,10	9,37	-2,00	6,65
12	-0,40	10,05	9,90	-1,05	7,40	3,54	0,79	10,56	-1,71	6,64
13	-0,31	10,04	10,21	-1,46	7,69	3,54	0,59	11,36	-1,41	6,54
14	-0,31	9,91	10,91	-1,76	7,89	3,53	0,18	11,94	-1,12	6,83
15	-0,32	8,88	12,01	-2,37	8,29	3,53	-0,72	12,12	-0,92	6,83
16	-0,32	5,90	12,83	-3,08	8,68	3,83	-1,33	11,90	-0,23	6,82
17	-0,43	3,02	14,39	-4,18	8,67	4,02	-2,23	11,18	0,57	6,82
18	-0,83	2,11	14,76	-4,18	8,67	4,32	-2,94	9,90	0,66	6,51
19	-1,64	0,31	14,63	-4,19	8,65	4,51	-3,54	8,99	0,76	5,70
20	-2,85	-0,49	14,04	-4,09	8,15	4,81	-3,75	8,08	0,85	5,10
21	-3,75	-0,80	13,61	-4,00	7,54	5,10	-3,75	6,40	1,05	4,50
22	-3,85	-0,80	12,61	-3,80	6,54	5,50	-3,46	6,00	1,24	4,29
23	-3,16	-0,81	11,61	-3,31	5,93	5,99	-3,36	6,69	1,24	3,29
24	-2,16	-0,81	10,72	-2,91	5,12	5,98	-2,96	7,09	1,23	2,68
25	-1,07	-1,02	10,01	-2,22	3,13	5,98	-2,57	7,98	1,23	2,28
26	-0,07	-1,32	9,20	-1,52	1,62	5,97	-1,88	8,28	1,12	2,27
27	0,82	-1,63	7,82	-0,73	0,62	5,97	-1,68	8,67	1,12	2,27
28	1,82	-2,03	7,41	-0,03	-0,28	6,47	-1,49	8,66	1,01	2,26
29	4,02	-2,74	6,81	0,26	-1,09	7,36	-1,19	8,65	1,41	1,96
30	5,61	-3,14	6,40	1,76	-1,29	7,76	-0,90	8,35	1,80	1,55
31	6,00	-3,35	6,10	2,25	-1,00	8,06	-0,90	7,74	2,40	1,05
32	6,10	-3,95	5,99	3,25	-0,80	8,76	-0,91	6,94	3,00	0,64
33	6,19	-4,16	5,59	4,44	-0,61	9,46	-0,81	6,23	3,59	0,04
34	6,29	-4,06	5,38	5,24	-0,41	10,25	-0,92	5,33	3,99	-0,37
35	6,59	-3,67	5,08	6,14	-0,42	10,75	-0,92	4,43	4,78	-0,97
36	7,38	-3,17	4,58	6,84	-0,42	11,43	-0,73	3,82	5,68	-1,38
37	7,78	-2,28	4,47	8,34	-0,43	11,72	-0,73	3,82	6,37	-2,98
38	8,27	-1,58	4,37	9,84	-0,43	11,71	-0,74	3,81	6,87	-3,19
39	8,76	-1,49	4,36	11,02	-0,94	11,71	-0,74	4,01	6,96	-2,99
40	8,96	-1,49	3,95	11,36	-1,85	11,70	-0,75	4,41	6,95	-2,90
41	9,46	-1,60	3,55	11,70	-2,85	11,70	-0,75	4,80	6,95	-2,70
42	9,76	-2,10	3,55	11,57	-3,36	11,69	-0,76	4,79	6,95	-2,31
43	10,56	-2,41	3,34	10,56	-3,86	11,59	-0,56	4,59	7,14	-2,01
44	11,16	-2,61	2,93	9,37	-3,86	11,58	-0,37	4,48	7,13	-1,92
45	11,96	-2,62	2,33	8,46	-3,27	11,37	0,23	4,48	7,13	-1,52
46	12,99	-2,62	2,13	7,37	-2,07	10,86	0,42	4,37	7,43	-0,96
47	14,74	-1,73	2,02	6,77	-1,28	10,36	1,02	4,07	7,52	-0,33
48	15,21	-1,33	2,02	6,77	-0,08	9,96	1,41	3,66	7,62	-0,04
49	15,06	-0,54	2,01	7,26	0,71	9,54	1,71	3,26	7,71	-0,04
50	14,03	0,26	2,41	7,36	1,31	8,55	2,10	2,45	7,90	-0,05

RECORD=S=544 COMPONENT=E=W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA=S
DATE AND TIME=1970=07=26=07=41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

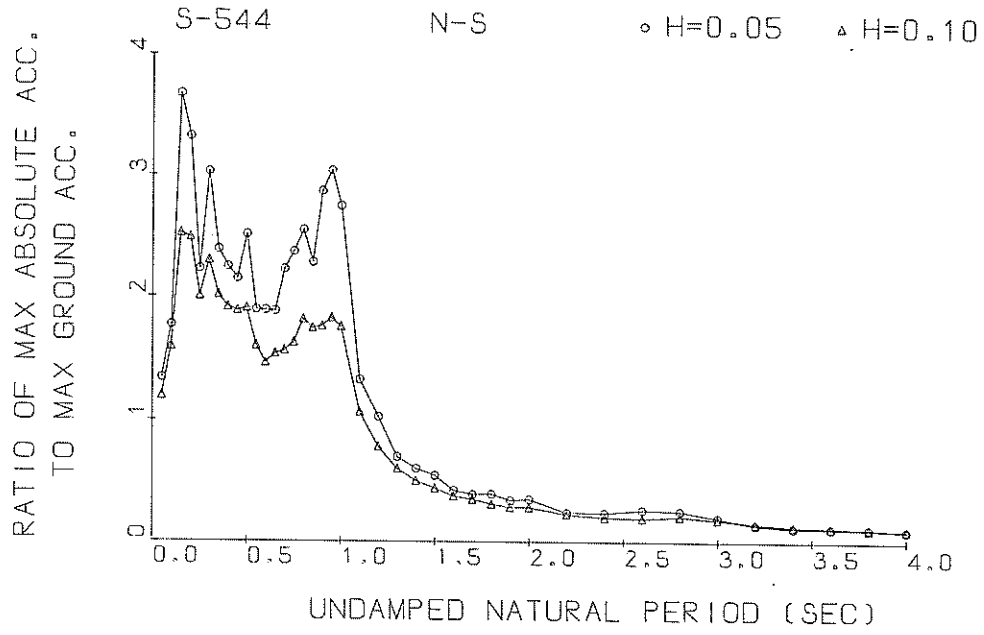
NO,	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	=0,15	=0,50	4,85	2,50	5,85	8,90	=2,85	0,80	4,25	=3,40
2	=0,16	=1,11	5,15	2,49	5,84	8,89	=2,46	=0,01	4,34	=3,31
3	0,44	=1,51	6,14	2,49	5,84	8,68	=1,46	=0,91	4,44	=3,31
4	1,23	=1,82	6,94	2,58	5,72	8,28	=0,07	=1,42	4,63	=3,02
5	1,63	=1,82	7,73	2,88	4,12	8,08	1,33	=1,82	4,93	=2,82
6	2,93	=1,83	7,82	2,97	2,72	7,97	2,62	=1,83	4,92	=2,63
7	3,62	=2,03	7,21	2,97	1,82	7,47	4,02	=1,53	5,12	=2,33
8	4,42	=2,34	6,41	3,27	0,81	7,46	5,22	=0,94	5,21	=2,14
9	5,21	=2,34	6,10	4,16	0,51	7,46	6,11	=0,34	5,41	=1,44
10	6,01	=2,35	5,60	4,55	=0,70	7,25	6,70	0,05	5,60	=1,25
11	6,40	=2,35	4,79	4,75	=1,50	7,05	6,70	0,35	5,90	=1,05
12	6,80	=2,36	3,19	4,75	=1,91	7,04	6,59	0,74	6,39	=0,66
13	7,19	=2,16	2,59	5,24	=1,91	7,04	6,29	0,84	6,49	=0,26
14	7,59	=2,07	1,98	5,63	=1,92	6,83	6,28	0,83	6,78	0,33
15	8,18	=1,77	1,38	5,63	=1,12	6,32	6,18	0,83	6,78	0,93
16	8,38	=1,38	0,37	5,62	0,07	5,62	6,17	1,22	6,77	1,32
17	8,88	=0,68	0,87	5,62	0,37	5,01	6,27	1,52	6,87	1,92
18	9,27	0,51	1,46	5,71	0,56	4,11	6,67	2,51	6,86	2,31
19	9,35	0,91	2,26	5,51	0,56	3,91	7,06	3,01	6,66	2,91
20	9,15	1,30	3,05	5,30	0,45	3,90	7,26	3,00	6,65	3,10
21	8,73	1,70	3,25	5,10	0,35	4,00	8,05	2,70	6,65	3,20
22	7,64	2,69	3,24	4,99	=0,16	4,19	8,54	2,19	6,64	3,29
23	7,03	3,29	3,24	4,89	=0,36	4,29	8,53	1,69	6,54	3,59
24	6,23	3,29	3,13	4,68	=0,57	4,48	8,33	0,98	6,63	3,98
25	6,03	4,28	2,73	4,68	=0,77	4,37	8,12	0,38	6,53	4,28
26	6,02	4,37	2,32	4,67	=0,78	3,77	7,62	0,17	6,52	4,47
27	6,12	4,37	2,02	4,67	0,12	3,06	7,31	0,17	6,52	4,97
28	6,21	4,46	=1,09	4,66	0,71	1,86	7,11	0,16	6,51	5,06
29	6,21	4,66	=1,19	4,76	1,01	0,86	6,91	0,76	6,51	4,96
30	6,20	5,25	=1,20	4,75	2,00	=0,55	6,90	1,35	6,70	4,75
31	6,10	5,45	=1,20	5,05	3,30	=1,65	6,89	1,75	6,70	3,84
32	5,69	5,85	=1,01	5,34	3,79	=1,66	6,59	2,34	6,69	2,74
33	5,49	6,64	0,99	5,34	4,19	=1,66	6,49	2,54	6,69	1,34
34	5,18	7,24	2,99	5,33	4,28	=1,57	6,28	2,93	6,68	0,73
35	5,18	8,23	4,18	5,33	4,28	=1,17	5,67	3,33	6,58	0,33
36	5,17	8,42	4,97	5,02	5,07	=0,78	4,87	3,62	6,47	=0,48
37	4,77	8,52	5,17	5,02	5,47	=0,68	4,27	3,82	6,36	=1,18
38	4,46	8,51	5,16	4,91	5,46	=0,69	3,96	4,21	5,96	=1,49
39	4,06	8,51	5,06	4,80	5,46	=0,59	3,96	4,31	5,65	=1,49
40	3,65	8,80	4,55	3,70	5,45	=0,90	3,85	4,30	5,15	=1,50
41	3,15	8,60	4,55	3,70	5,45	=0,90	3,55	4,30	4,04	=1,00
42	2,54	8,38	4,54	3,69	5,45	=0,81	3,24	4,29	3,54	=0,31
43	1,64	7,78	4,54	3,69	5,84	=0,41	3,24	3,99	3,04	0,99
44	1,03	7,08	4,93	3,98	6,24	0,08	3,23	3,98	2,43	1,58
45	1,03	6,47	5,03	4,38	6,73	0,58	3,23	3,98	1,53	2,18
46	0,72	6,07	4,67	4,87	7,23	0,77	3,22	3,87	0,52	2,17
47	0,72	5,27	4,31	5,17	7,62	0,27	3,22	3,97	=0,28	2,67
48	0,21	4,86	3,41	5,26	8,12	=0,84	2,61	3,96	=1,09	2,96
49	0,01	4,86	3,01	5,26	8,61	=1,74	2,01	4,06	=1,99	3,16
50	=0,10	4,85	2,50	5,65	8,90	=2,75	1,50	4,05	=3,10	3,35

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

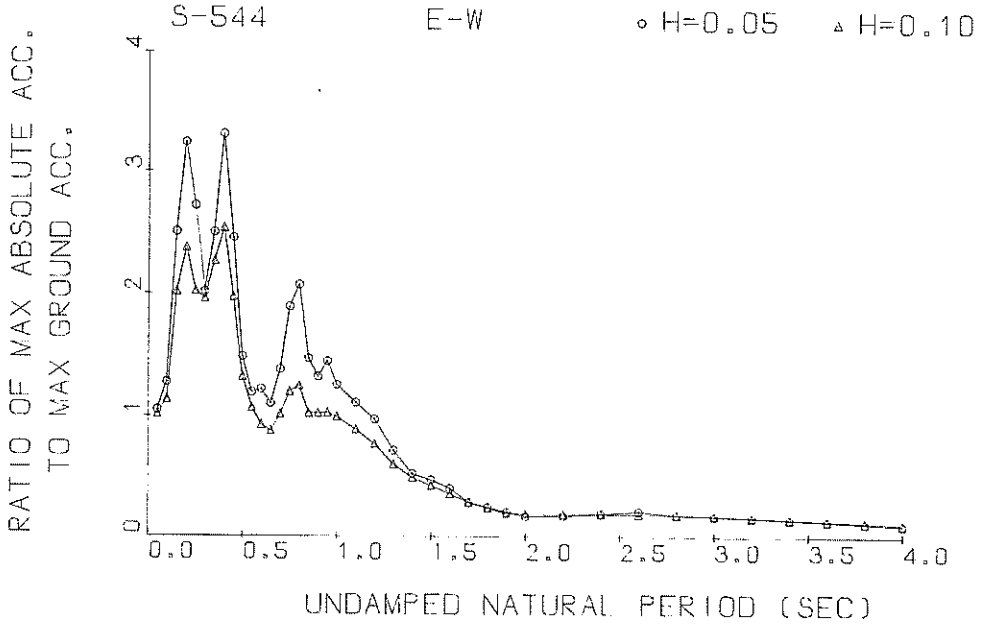
NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	3,35	-0,40	7,54	0,40	2,25	0,90	3,24	4,29	0,74	1,39
2	3,64	-0,41	7,34	0,89	2,24	1,09	2,94	4,09	0,74	0,79
3	3,94	-0,41	7,23	1,09	2,24	1,19	2,93	4,08	0,43	0,58
4	4,43	-0,42	6,83	1,58	2,43	1,38	2,73	4,08	0,23	0,08
5	5,13	-0,42	6,62	1,88	2,73	1,58	2,52	3,97	0,02	-0,03
6	6,02	-0,53	6,22	2,07	3,02	1,87	2,42	3,87	-0,38	-0,43
7	6,32	-0,53	5,91	2,07	3,02	1,96	2,11	3,76	-0,69	-0,54
8	6,72	-0,54	5,71	2,06	3,01	1,96	1,71	3,66	-0,79	-0,64
9	7,11	-0,54	5,61	2,06	3,21	1,95	1,40	3,75	-1,40	-1,05
10	7,91	-0,55	5,50	1,95	3,70	1,95	1,10	3,75	-1,70	-1,55
11	8,30	-0,45	5,39	1,95	4,00	2,25	0,69	3,74	-1,81	-2,06
12	8,59	-0,46	5,09	1,64	4,09	2,54	0,49	3,74	-2,11	-2,46
13	8,69	-0,36	4,68	1,54	4,59	2,64	-0,22	3,73	-2,12	-2,97
14	9,09	-0,17	4,48	1,53	4,78	2,73	-0,32	3,83	-2,12	-3,27
15	9,48	-0,07	4,18	1,53	5,08	3,03	-0,93	3,82	-2,03	-3,38
16	9,88	0,02	4,17	1,52	5,07	3,32	-1,13	3,92	-1,93	-3,58
17	10,07	0,32	4,06	1,82	5,06	3,31	-1,14	3,81	-1,54	-3,69
18	10,05	0,61	3,86	2,11	4,96	3,31	-1,04	3,51	-1,34	-3,69
19	9,75	0,81	3,66	2,41	4,75	3,51	-1,15	2,60	-0,95	-3,70
20	9,24	1,00	3,55	2,90	4,55	3,60	-1,15	1,80	-0,15	-3,60
21	8,63	1,30	3,35	3,50	4,14	4,00	-0,81	1,19	0,24	-3,51
22	7,53	1,49	3,14	3,89	4,04	4,29	-0,46	0,69	1,24	-3,51
23	6,63	1,69	3,04	4,09	3,63	4,79	-0,17	0,38	1,73	-3,32
24	6,23	1,78	2,73	4,28	3,23	4,98	0,23	-0,22	2,83	-3,02
25	5,52	1,98	2,63	4,48	2,83	5,58	0,32	-0,53	3,62	-3,03
26	5,11	2,57	2,62	4,87	2,82	5,67	0,32	-1,13	3,92	-2,93
27	3,91	3,17	2,62	5,27	2,61	5,67	0,61	-1,14	4,02	-2,44
28	3,51	3,36	2,61	5,46	2,11	5,76	0,91	-1,04	4,61	-1,74
29	3,01	3,46	2,40	5,46	1,80	5,65	1,10	-0,65	4,80	-1,25
30	2,90	4,05	1,80	5,45	1,30	5,55	1,20	-0,15	4,80	-0,85
31	2,60	4,45	1,10	5,44	1,09	5,34	1,19	0,34	4,80	-0,46
32	2,39	4,74	0,59	5,34	0,29	5,24	1,49	0,54	5,39	-0,36
33	2,09	5,34	0,09	5,13	-0,11	4,93	1,58	0,83	5,69	-0,27
34	1,58	5,93	0,08	4,93	-0,72	4,83	1,98	1,13	5,98	-0,57
35	1,08	6,33	0,08	4,72	-0,72	4,62	2,07	1,22	6,58	-0,78
36	0,67	6,72	0,47	4,52	-0,73	4,42	2,37	1,32	6,87	-0,98
37	0,17	7,12	0,47	4,41	-0,73	4,41	2,36	1,41	7,27	-0,99
38	-0,44	7,51	0,66	4,31	-0,44	4,41	2,46	1,41	7,76	-0,79
39	-0,74	7,61	0,86	3,90	-0,34	4,41	2,35	1,40	8,15	-0,50
40	-0,95	7,60	0,85	3,70	-0,15	4,70	2,45	1,40	8,15	-0,10
41	-0,95	7,60	0,85	3,40	-0,05	4,69	2,45	1,39	8,14	0,09
42	-1,16	7,59	0,84	3,29	-0,06	4,69	3,04	1,39	8,03	0,69
43	-1,56	7,59	0,84	3,29	-0,06	4,58	3,44	1,18	7,63	1,48
44	-1,47	7,58	0,63	3,28	-0,07	4,38	4,03	1,28	7,22	1,68
45	-1,47	7,58	0,63	3,28	0,13	4,28	4,32	1,27	6,82	1,97
46	-1,18	7,57	0,52	3,27	0,42	4,37	4,32	1,27	6,41	2,27
47	-0,88	7,57	0,02	2,96	0,42	4,36	4,31	1,16	5,61	2,56
48	-0,59	7,56	0,01	2,76	0,51	4,26	4,31	1,26	5,00	2,86
49	-0,59	7,56	0,01	2,55	0,71	3,75	4,30	1,25	3,80	3,45
50	-0,40	7,55	0,20	2,35	0,80	3,55	4,30	0,85	2,60	3,55

RECORD=S-544 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-07-41 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 5500

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	3,54	-0,31	3,84	0,39	-0,56	-0,11	0,54	-0,61	2,54	0,99
2	3,54	-0,11	3,04	0,69	0,34	-0,41	0,64	-1,21	2,54	1,29
3	3,83	0,18	2,73	1,28	0,63	-0,92	1,03	-1,82	2,53	1,38
4	4,03	0,68	2,33	1,58	0,53	-1,12	1,23	-1,92	2,13	2,08
5	4,22	0,97	2,32	2,07	0,62	-1,23	3,02	-1,93	1,52	2,27
6	4,22	0,87	2,32	2,47	0,82	-1,33	3,12	-1,93	1,22	2,37
7	4,42	0,46	2,31	2,76	1,41	-1,44	3,41	-1,94	0,51	2,86
8	5,21	-0,04	2,31	2,86	1,71	-1,34	3,51	-1,94	-0,09	2,96
9	5,51	-0,35	2,30	2,85	1,70	-1,35	3,90	-1,95	-1,30	3,35
10	6,30	-0,35	2,00	2,85	1,70	-1,25	4,10	-1,95	-1,80	3,35
11	6,49	-0,26	1,59	2,84	1,69	-1,16	4,09	-1,56	-2,51	3,54
12	6,49	-0,26	0,99	2,84	1,69	-1,26	4,09	-1,36	-2,91	3,54
13	6,28	0,23	0,48	2,83	1,78	-1,27	3,68	-0,87	-3,32	3,53
14	5,78	-0,07	0,18	2,83	1,68	-1,27	3,28	-0,57	-3,72	3,53
15	5,67	0,02	-0,03	2,82	1,67	-1,28	2,67	-0,38	-4,23	3,52
16	5,67	0,02	-0,13	2,82	1,67	-1,18	2,17	0,02	-4,54	3,52
17	5,66	0,01	-0,24	2,81	1,56	-1,49	2,06	0,11	-4,94	3,51
18	5,66	-0,09	-0,64	2,81	1,56	-1,79	2,06	0,31	-5,34	3,51
19	5,65	0,00	-0,95	2,40	1,55	-1,90	2,05	0,60	-5,45	3,20
20	5,65	-0,10	-1,45	2,30	1,55	-1,90	1,95	0,60	-5,05	2,60
21	5,64	-0,11	-1,56	2,29	1,44	-1,91	1,54	0,59	-4,96	2,49
22	5,64	-0,11	-1,56	1,89	1,14	-1,91	1,34	0,59	-4,66	2,39
23	5,53	-0,12	-1,57	1,78	1,23	-1,92	1,43	0,28	-4,47	1,98
24	5,43	0,58	-1,57	1,48	1,23	-1,72	1,43	-0,12	-4,27	1,88
25	5,22	0,57	-1,58	1,47	1,22	-1,53	1,12	-0,63	-3,98	1,37
26	4,82	0,57	-1,58	1,47	1,22	-1,33	1,12	-1,03	-3,88	1,17
27	4,61	0,56	-1,59	1,26	1,11	-1,14	1,01	-1,14	-3,49	0,86
28	3,60	0,56	-1,59	1,16	1,11	-1,14	0,91	-1,14	-3,19	0,36
29	1,40	0,55	-1,00	1,05	1,10	-1,15	0,50	-1,15	-3,00	-0,05
30	0,80	1,05	-0,60	0,95	1,10	-1,15	0,50	-1,25	-2,50	-0,25
31	0,39	1,24	-0,51	0,84	1,09	-1,16	0,49	-0,66	-2,31	-0,66
32	-0,01	1,44	-0,21	0,74	1,09	-1,06	-0,11	-0,26	-2,11	-1,26
33	-0,12	1,63	-0,12	0,73	0,98	-0,77	-0,52	0,53	-2,02	-1,87
34	-0,22	1,83	-0,12	0,73	0,98	-0,57	-0,82	0,73	-1,92	-2,07
35	-0,43	2,02	-0,13	0,82	0,97	-0,58	-0,83	1,32	-1,93	-2,18
36	-0,53	3,02	-0,13	0,92	0,87	-0,58	-0,93	1,32	-1,93	-2,18
37	-0,74	3,81	-0,14	0,81	0,86	-0,59	-1,04	1,51	-1,94	-2,19
38	-0,94	3,81	-0,14	0,61	0,86	-0,49	-1,04	1,71	-1,94	-2,19
39	-1,45	4,00	-0,15	0,20	0,85	-0,20	-0,85	2,00	-1,75	-2,20
40	-1,65	4,20	-0,15	-0,20	0,85	-0,20	-0,85	2,10	-1,55	-2,20
41	-2,06	4,59	-0,16	-0,81	0,84	-0,01	-0,81	2,69	-0,96	-2,21
42	-2,96	4,59	-0,36	-0,91	0,84	-0,01	-0,76	2,69	-0,76	-2,21
43	-3,37	4,58	-0,47	-1,12	1,03	0,08	-0,57	2,88	-0,17	-2,22
44	-3,37	4,58	-0,47	-1,62	1,13	0,08	-0,27	2,98	0,23	-2,22
45	-3,38	4,57	-0,48	-1,73	1,12	0,17	-0,28	2,97	0,42	-2,33
46	-3,38	4,57	-0,58	-1,93	1,12	0,17	-0,28	2,77	0,92	-2,23
47	-2,59	4,26	-0,49	-1,94	0,91	0,16	0,01	2,76	0,91	-2,24
48	-1,79	4,26	-0,49	-2,04	0,91	0,16	0,01	2,66	0,91	-2,34
49	-1,40	4,25	-0,30	-1,55	0,70	0,35	0,00	2,65	0,90	-2,25
50	-0,40	4,25	0,10	-1,05	0,30	0,35	-0,00	2,55	0,90	-2,25



Response Spectra



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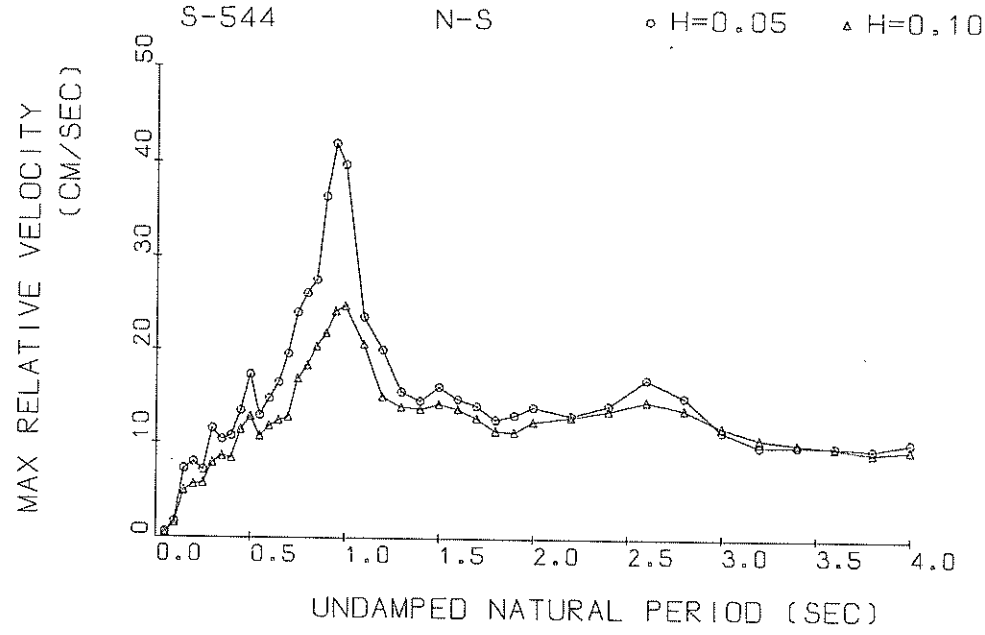

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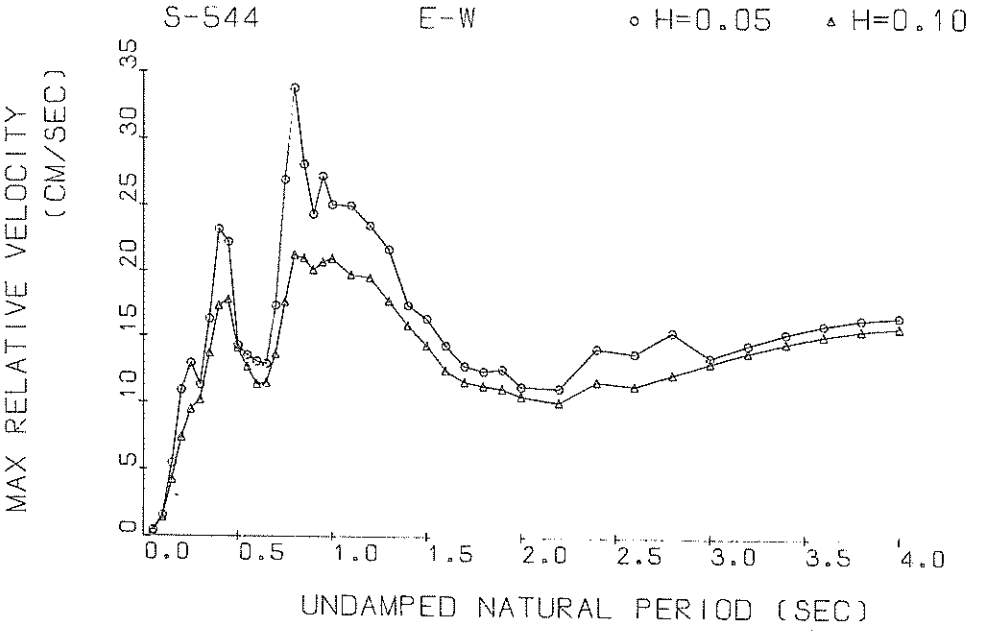

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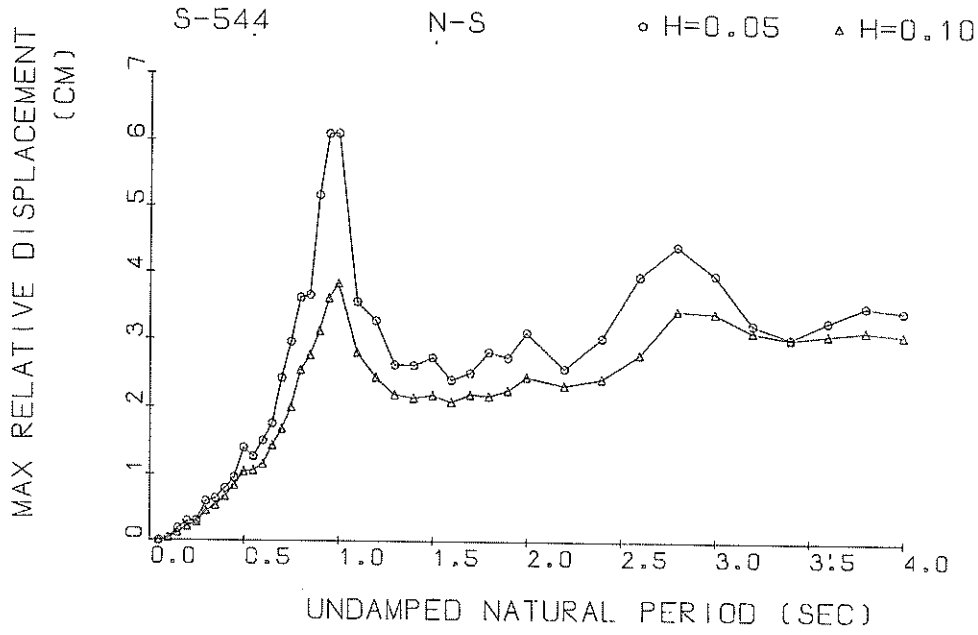

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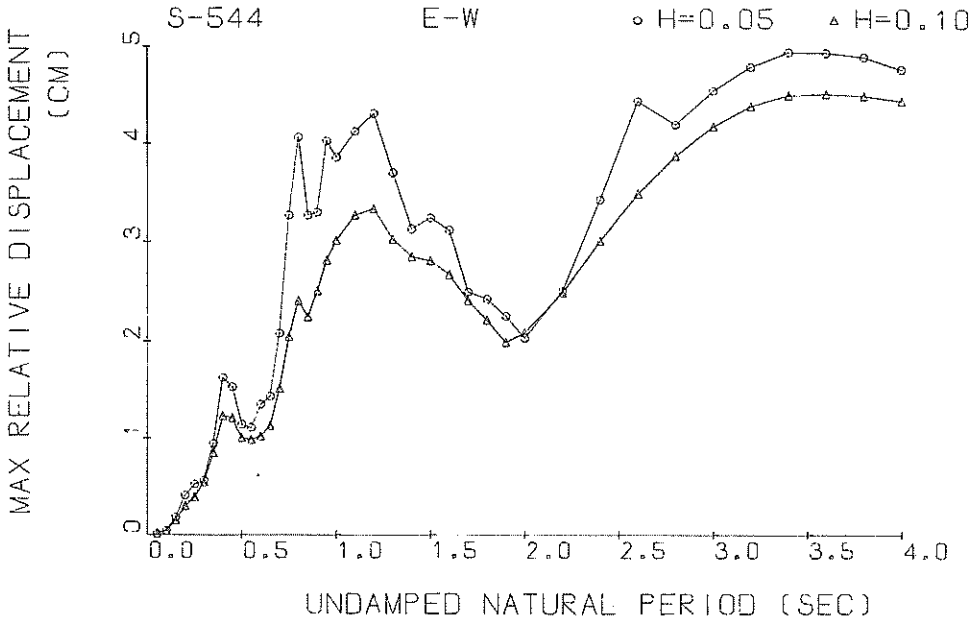


Response Spectra

RESPONSE SPECTRUM

RECORD = S-544 N-S 1970-07-26-07-41
STATION = HOSOSHIMA-S INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =30.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 88.26(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.338	118.07	53.48	0.599	0.0074
0.100	1.768	156.02	93.44	1.721	0.0394
0.150	3.675	324.35	309.62	7.311	0.1858
0.200	3.322	293.16	258.51	8.004	0.2982
0.250	2.225	196.40	191.30	7.150	0.3086
0.300	3.033	267.69	247.55	11.506	0.6086
0.350	2.386	210.54	206.86	10.362	0.6493
0.400	2.246	198.21	196.66	10.729	0.7989
0.450	2.147	189.51	174.57	13.465	0.9673
0.500	2.512	221.73	262.98	17.388	1.3982
0.550	1.892	167.02	191.30	12.951	1.2742
0.600	1.890	166.79	191.87	14.781	1.5146
0.650	1.884	166.28	181.26	16.541	1.7760
0.700	2.227	196.58	176.58	19.584	2.4293
0.750	2.372	219.38	196.95	24.062	2.9709
0.800	2.551	225.11	241.26	26.138	3.6291
0.850	2.284	201.58	211.09	27.525	3.6702
0.900	2.874	253.68	264.62	36.421	5.1797
0.950	3.048	269.03	289.88	41.949	6.1140
1.000	2.752	242.88	286.20	39.769	6.1171
1.100	1.328	117.23	172.86	23.600	3.5695
1.200	1.030	90.87	157.32	20.031	3.2910
1.300	0.704	62.14	134.80	15.521	2.6325
1.400	0.606	53.44	121.64	14.509	2.6269
1.500	0.550	48.52	116.71	16.096	2.7467
1.600	0.427	37.68	116.38	14.800	2.4190
1.700	0.393	34.72	107.66	14.055	2.5156
1.800	0.395	34.89	108.03	12.555	2.8340
1.900	0.344	30.39	111.89	13.040	2.7548
2.000	0.355	31.31	119.03	13.901	3.1284
2.200	0.244	21.50	104.16	12.991	2.5947
2.400	0.243	21.43	106.15	14.110	3.0545
2.600	0.268	23.65	102.49	16.976	3.9836
2.800	0.259	22.87	136.32	15.021	4.4401
3.000	0.203	17.92	101.46	11.391	4.0076
3.200	0.146	12.92	96.29	9.854	3.2639
3.400	0.122	10.79	94.84	9.883	3.0660
3.600	0.119	10.54	94.15	9.829	3.3166
3.800	0.115	10.11	93.72	9.552	3.5447
4.000	0.102	8.97	92.58	10.235	3.4785

RESPONSE SPECTRUM

RECORD = S-544 N-S 1970-07-26-07-41
STATION = MOSOSHIMA-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =30,0000(SEC) SKIPPED LENGTH = 0, (SEC)
DAMPING COEFFICIENT = 0,100 MAX,GROUND ACC.= 88,26(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.193	105.26	40.79	0.516	0.0066
0.100	1.596	140.86	78.08	1.551	0.0354
0.150	2.523	222.65	215.59	4.952	0.1252
0.200	2.486	219.39	193.94	5.625	0.2192
0.250	2.003	176.75	145.11	5.760	0.2759
0.300	2.298	202.77	182.09	7.913	0.4544
0.350	2.016	177.96	174.28	8.643	0.5417
0.400	1.917	169.20	152.51	8.463	0.6744
0.450	1.887	166.50	138.50	11.391	0.8402
0.500	1.907	168.30	174.12	12.798	1.0484
0.550	1.608	141.88	172.66	10.708	1.0663
0.600	1.469	129.63	167.28	11.788	1.1561
0.650	1.542	136.08	155.55	12.358	1.4332
0.700	1.569	138.50	156.52	12.750	1.6816
0.750	1.661	146.97	160.65	16.896	2.0045
0.800	1.820	160.62	177.29	18.337	2.5484
0.850	1.748	154.27	165.13	20.379	2.7712
0.900	1.764	155.69	168.72	21.784	3.1312
0.950	1.831	161.62	182.00	24.155	3.6199
1.000	1.762	155.47	195.75	24.765	3.8441
1.100	1.071	94.51	150.20	20.627	2.8097
1.200	0.787	69.44	130.00	15.014	2.4444
1.300	0.605	53.44	122.26	13.883	2.1925
1.400	0.506	44.62	116.09	13.652	2.1441
1.500	0.446	39.40	112.05	14.198	2.1875
1.600	0.381	33.66	108.50	13.647	2.0962
1.700	0.355	31.35	104.50	12.688	2.1974
1.800	0.316	27.86	103.78	11.328	2.1837
1.900	0.291	25.72	106.21	11.198	2.2636
2.000	0.290	25.56	107.27	12.313	2.4642
2.200	0.232	20.51	106.61	12.814	2.3390
2.400	0.207	18.28	102.04	13.557	2.4399
2.600	0.200	17.63	99.81	14.561	2.8079
2.800	0.215	18.99	101.71	13.651	3.4661
3.000	0.190	16.74	99.83	11.800	3.4306
3.200	0.157	13.85	97.05	10.583	3.1550
3.400	0.137	12.05	95.28	10.076	3.0514
3.600	0.126	11.10	94.65	9.703	3.1196
3.800	0.116	10.28	96.56	9.173	3.1789
4.000	0.105	9.26	92.58	9.485	3.1173

RESPONSE SPECTRUM

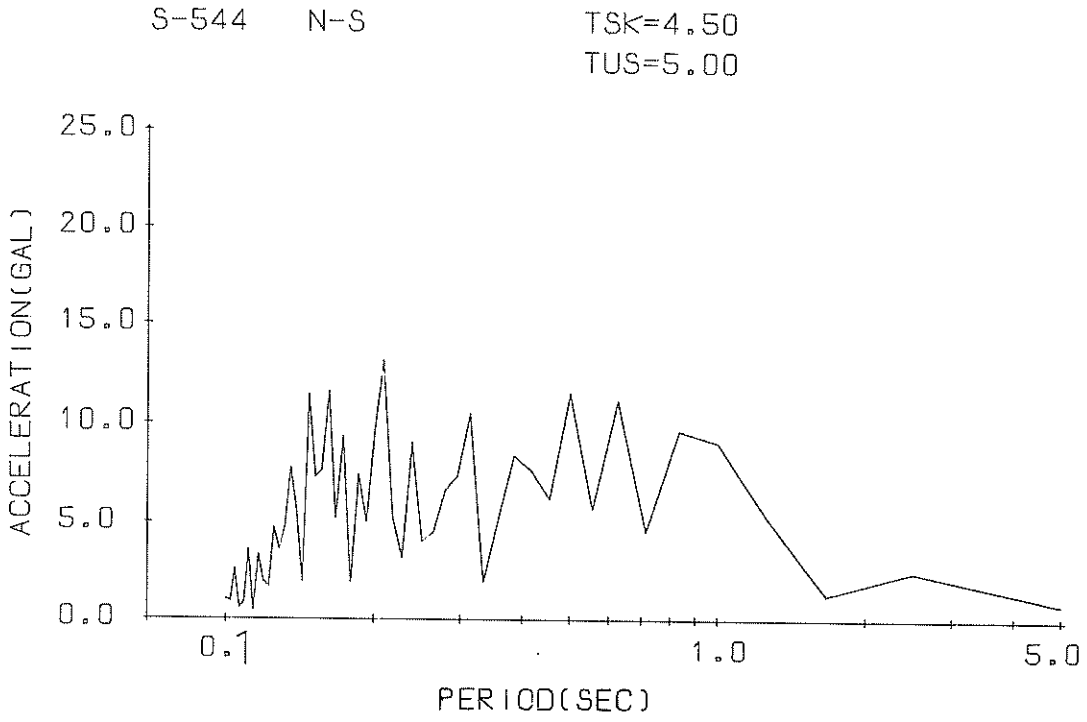
RECORD = S-544 E-W 1970-07-26-07-41
STATION = HOSOSHIMA-S INPUT SIGNAL = GR,ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =30.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX,GROUND ACC.= 121.60(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.047	127.30	41.41	0.442	0.0080
0.100	1.275	155.01	69.59	1.518	0.0392
0.150	2.502	304.27	209.61	5.420	0.1742
0.200	3.269	393.87	311.13	10.875	0.3995
0.250	2.716	330.24	339.07	12.892	0.5164
0.300	2.014	244.92	253.48	11.254	0.5572
0.350	2.500	303.95	286.30	16.257	0.9401
0.400	3.309	402.33	417.13	23.149	1.6181
0.450	2.455	298.52	312.27	22.169	1.5222
0.500	1.488	180.92	220.35	14.251	1.1413
0.550	1.194	145.18	186.21	13.513	1.1073
0.600	1.219	148.20	180.51	13.028	1.3447
0.650	1.104	134.19	188.48	12.867	1.4295
0.700	1.384	168.30	185.27	17.290	2.0769
0.750	1.893	230.14	243.74	26.888	3.2610
0.800	2.071	251.88	281.11	33.707	4.0607
0.850	1.473	179.18	244.60	28.044	3.2608
0.900	1.325	161.11	221.59	24.283	3.2863
0.950	1.453	176.69	228.20	27.159	4.0188
1.000	1.258	153.03	245.88	24.997	3.8555
1.100	1.113	135.32	229.92	24.922	4.1214
1.200	0.977	118.81	195.96	23.447	4.3046
1.300	0.716	87.05	165.57	21.611	3.6965
1.400	0.522	63.53	130.99	17.333	3.1222
1.500	0.472	57.35	144.42	16.284	3.2313
1.600	0.400	48.58	143.70	14.265	3.1105
1.700	0.284	34.59	145.00	12.699	2.4920
1.800	0.247	30.00	144.82	12.310	2.4187
1.900	0.205	24.94	143.25	12.478	2.2499
2.000	0.170	20.68	141.91	11.174	2.0269
2.200	0.173	21.04	142.16	11.065	2.4982
2.400	0.194	23.61	143.63	14.054	3.4205
2.600	0.214	26.00	143.93	13.690	4.4370
2.800	0.179	21.82	143.27	15.286	4.1952
3.000	0.170	20.63	142.16	13.391	4.5462
3.200	0.158	19.16	140.73	14.346	4.7941
3.400	0.143	17.42	139.01	15.193	4.9486
3.600	0.128	15.51	137.11	15.855	4.9430
3.800	0.112	13.59	135.19	16.290	4.9010
4.000	0.098	11.94	133.40	16.502	4.7707

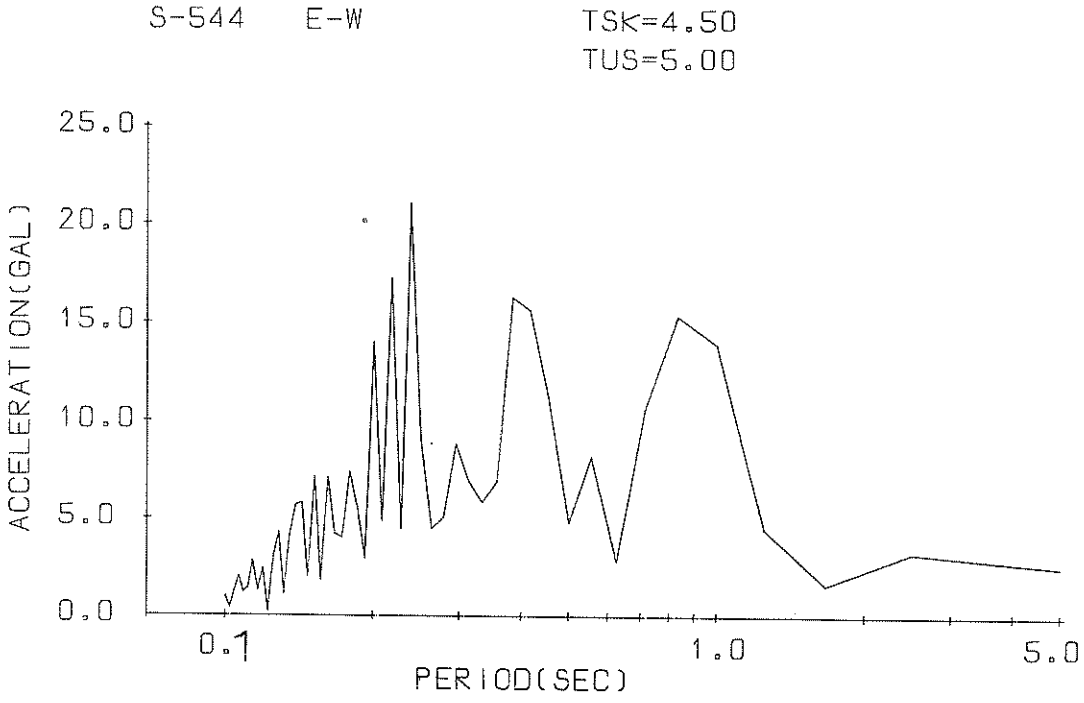
RESPONSE SPECTRUM

RECORD = S-544 E-W 1970-07-26-07-41
STATION = HOSOSHIMA-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =30,0000(SEC) SKIPPED LENGTH = 0, (SEC)
DAMPING COEFFICIENT = 0,100 MAX,GROUND ACC,= 121,60(GAL)

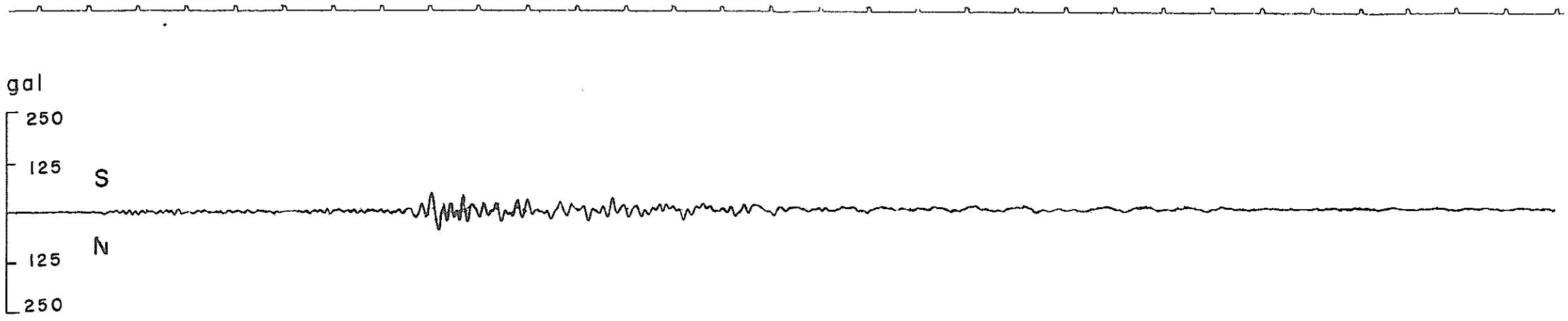
PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0,050	1,017	123,65	30,82	0,381	0,0078
0,100	1,166	138,08	57,58	1,350	0,0348
0,150	2,014	244,90	166,13	4,179	0,1397
0,200	2,374	288,72	239,05	7,358	0,2903
0,250	2,018	245,38	245,68	9,452	0,3791
0,300	1,959	238,21	217,15	10,133	0,5354
0,350	2,265	275,40	254,48	13,639	0,8406
0,400	2,535	308,21	318,44	17,276	1,2227
0,450	1,972	239,82	258,41	17,736	1,2025
0,500	1,323	160,86	199,98	14,063	0,9973
0,550	1,067	129,77	175,82	12,612	0,9757
0,600	0,928	112,89	164,52	11,313	1,0109
0,650	0,879	106,91	167,45	11,406	1,1238
0,700	1,017	123,61	150,79	13,554	1,5021
0,750	1,201	146,03	173,47	17,569	2,0395
0,800	1,247	151,63	180,55	21,191	2,4012
0,850	1,025	124,58	178,64	20,904	2,2378
0,900	1,027	124,89	186,16	20,031	2,5018
0,950	1,028	124,99	198,26	20,621	2,8068
1,000	0,998	121,36	210,72	20,878	3,0092
1,100	0,894	108,70	208,27	19,662	3,2585
1,200	0,771	93,77	188,51	19,442	3,3242
1,300	0,602	73,14	168,36	17,651	3,0216
1,400	0,489	59,46	155,61	15,791	2,8456
1,500	0,423	51,38	148,91	14,279	2,8023
1,600	0,356	43,31	146,24	12,388	2,6657
1,700	0,288	34,96	145,69	11,522	2,4039
1,800	0,238	28,94	144,62	11,241	2,2070
1,900	0,196	23,83	143,58	11,016	1,9836
2,000	0,189	22,95	142,71	10,465	2,0847
2,200	0,186	22,59	142,32	10,015	2,4852
2,400	0,188	22,89	142,79	11,548	3,0036
2,600	0,186	22,67	142,83	11,253	3,4805
2,800	0,180	21,87	142,27	12,124	3,8725
3,000	0,170	20,71	141,62	12,980	4,1772
3,200	0,159	19,31	140,10	13,785	4,3899
3,400	0,146	17,76	138,66	14,493	4,5033
3,600	0,133	16,12	137,11	15,061	4,5216
3,800	0,119	14,49	135,54	15,466	4,4995
4,000	0,107	12,98	134,06	15,711	4,4467

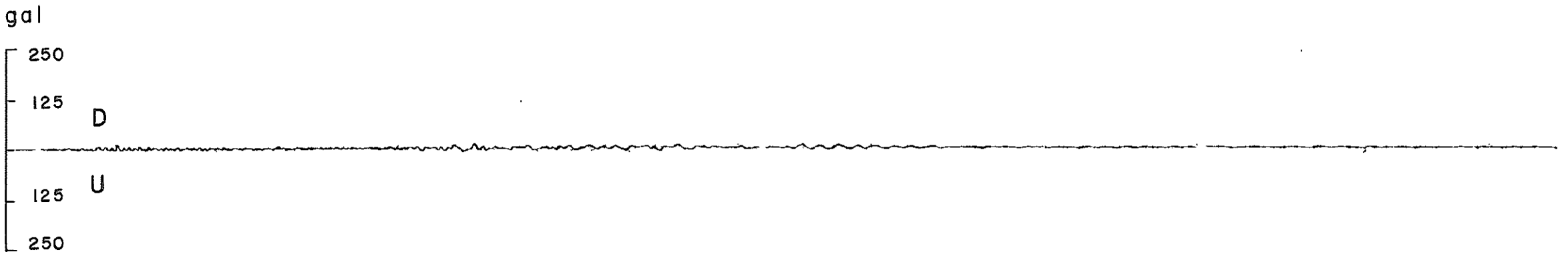


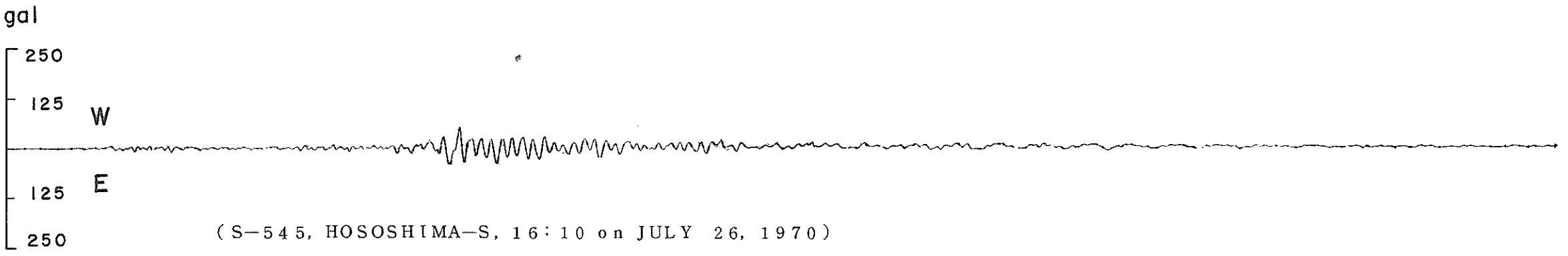
Fourier Spectrum



Fourier Spectrum







(S—545, HOSOSHIMA—S, 16:10 on JULY 26, 1970)

RECORD=S=545 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-0.00	0.37	-0.67	-5.49	-3.13	-4.17	-0.20	-1.63	1.33	-0.20
2	-0.00	0.07	-0.07	-4.10	-2.23	-3.57	-1.10	-1.63	1.33	0.10
3	-0.00	-0.04	0.13	-2.50	-1.53	-3.37	-1.90	-1.24	1.23	0.20
4	0.10	0.06	0.53	-0.90	-0.74	-2.77	-2.10	-0.94	0.83	0.40
5	0.10	-0.04	0.83	-0.10	-0.14	-2.37	-2.20	-0.54	0.33	0.20
6	0.10	-0.04	1.43	1.40	1.56	-2.37	-1.60	-0.24	0.33	0.10
7	0.10	-0.04	1.63	1.40	2.06	-1.97	-1.50	-0.24	0.63	-0.10
8	0.09	-0.34	1.33	0.79	0.96	-1.57	-1.51	0.06	0.73	-0.11
9	0.09	-0.54	0.93	-0.11	-0.14	-1.17	-1.51	0.46	0.83	0.09
10	0.09	-0.74	0.33	-1.21	-2.24	-0.67	-1.51	0.66	0.83	0.19
11	0.09	-0.84	-0.07	-4.41	-2.94	-0.27	-1.61	0.86	0.83	0.59
12	0.09	-0.84	-0.67	-6.01	-2.54	-0.17	-1.61	0.76	0.33	1.09
13	0.09	-0.74	0.42	-6.11	-1.74	-0.08	-1.21	0.56	-0.28	1.19
14	0.09	-1.24	0.82	-5.69	-0.94	0.02	-1.21	-0.24	-0.68	1.59
15	0.09	-1.34	1.62	-3.51	-0.34	-0.08	-0.81	-0.24	-1.18	1.99
16	0.09	-1.34	2.22	-1.71	0.56	-0.08	-0.61	-0.54	-1.58	2.29
17	0.09	-0.84	2.82	-0.71	1.76	-0.18	-0.41	-0.94	-1.58	2.29
18	0.09	-0.35	3.12	0.39	2.75	-1.08	-0.41	-1.55	-1.28	2.09
19	0.19	-0.05	3.52	0.99	2.95	-1.58	-0.61	-1.95	-0.58	1.69
20	0.39	0.05	3.62	1.59	2.65	-2.48	-0.51	-2.15	-0.28	1.29
21	0.39	0.45	2.72	1.79	2.15	-3.48	-0.61	-2.55	0.22	1.29
22	0.29	0.45	1.82	1.48	1.35	-4.58	-1.11	-2.55	0.22	1.29
23	0.08	0.35	0.02	-0.12	0.45	-4.38	-1.02	-2.55	-0.18	1.08
24	-0.02	0.05	-1.78	-1.42	-0.15	-3.68	-0.82	-2.55	-0.28	0.18
25	-0.12	-0.05	-2.38	-3.02	-0.75	-3.18	-0.42	-2.25	-1.18	-0.32
26	-0.12	-0.45	-2.28	-3.11	-0.95	-2.28	-0.22	-1.25	-2.58	-1.22
27	-0.12	-0.55	-1.38	-1.52	-0.15	-1.58	-0.22	-0.45	-2.99	-1.12
28	-0.12	-0.65	-0.49	-0.72	0.55	-0.59	-0.52	-0.25	-4.19	-0.92
29	-0.12	-0.65	-0.09	-0.12	2.25	-0.19	-1.12	2.15	-4.69	-0.32
30	-0.12	-0.55	0.81	0.78	2.25	0.51	-2.12	2.65	-4.98	-0.32
31	-0.12	-0.45	2.51	1.58	1.25	1.11	-3.12	2.35	-4.59	-0.32
32	-0.12	-0.35	2.71	1.58	0.74	1.21	-3.92	1.74	-4.28	-0.52
33	-0.02	-0.36	2.51	1.28	-5.56	1.21	-3.92	0.74	-2.49	-1.02
34	0.08	-0.36	1.31	0.88	-6.95	1.21	-3.92	-0.26	-1.89	-1.62
35	0.08	-0.36	0.31	0.38	-6.35	1.21	-3.92	-1.16	-1.29	-2.22
36	0.08	-0.36	-1.69	-0.02	-5.44	0.81	-3.92	-2.96	-1.09	-2.92
37	-0.02	-0.36	-3.89	0.38	-3.15	-0.19	-3.72	-3.96	-1.09	-3.22
38	-0.03	-0.56	-3.89	0.77	2.54	-1.09	-3.22	-4.46	-1.09	-2.62
39	-0.03	-0.76	-2.89	0.87	3.64	-0.79	-2.22	-4.46	-1.09	-2.32
40	0.07	-1.36	-1.39	0.47	4.64	-0.19	-1.23	-4.46	-1.09	-1.36
41	0.07	-2.06	-0.19	0.27	4.94	0.51	-0.23	-3.66	-1.99	-1.38
42	0.37	-3.06	1.01	0.17	4.83	1.31	1.17	-2.26	-2.20	-0.73
43	0.47	-4.66	2.41	-0.03	3.83	1.71	1.37	-1.86	-2.69	-0.63
44	0.47	-4.86	3.50	-0.13	2.63	2.50	1.37	-1.66	-2.40	-0.93
45	0.57	-4.76	3.40	-0.83	-0.16	2.60	1.37	-1.56	-2.30	-1.23
46	0.57	-4.36	2.70	-2.03	-2.47	2.60	1.17	-1.26	-1.70	-1.83
47	0.77	-3.66	0.30	-4.03	-4.87	2.60	0.37	-0.26	-0.90	-3.03
48	0.77	-2.27	-1.80	-4.63	-5.86	1.90	-0.23	-0.27	-0.50	-4.06
49	0.67	-2.07	-4.60	-4.33	-5.16	1.40	-0.73	0.93	-0.30	-4.66
50	0.47	-1.07	-5.50	-3.73	-4.76	0.80	-1.13	1.33	-0.20	-4.76

RECORD=S-545 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-4.73	1.73	0.30	-0.83	4.93	-16.79	-19.56	4.41	-10.14	0.47
2	-4.53	1.76	0.40	-0.43	3.63	-26.72	-8.83	-0.17	-11.96	0.47
3	-3.53	1.73	0.20	0.16	2.73	-33.38	-2.52	-6.48	-10.74	0.36
4	-2.63	1.73	-0.40	0.16	-0.07	-40.20	9.52	-7.50	-14.47	0.16
5	-1.34	2.43	-1.10	0.16	-3.98	-45.65	27.85	-9.92	-11.49	-0.64
6	-1.14	3.33	-3.11	0.16	-7.20	-48.51	34.94	-12.37	-7.53	-2.14
7	-0.34	3.53	-3.91	-0.04	-9.61	-48.07	34.45	-12.45	-1.60	-3.54
8	0.16	2.83	-5.11	-1.34	-11.84	-44.89	29.85	-11.88	6.17	-3.44
9	0.86	2.13	-5.10	-3.14	-14.13	-38.73	21.36	-8.70	15.30	-3.44
10	1.26	2.03	-4.80	-4.14	-15.39	-30.31	6.37	-4.56	19.65	-3.44
11	1.76	1.13	-3.40	-4.74	-15.76	-20.67	-4.18	-1.17	20.63	-3.44
12	1.46	0.63	-1.81	-4.84	-15.52	-12.00	-13.44	-0.57	20.98	-3.44
13	0.66	0.02	-0.41	-4.84	-14.48	3.21	-18.89	-0.28	24.51	-3.85
14	-0.34	-0.38	0.49	-4.44	-14.41	11.28	-24.91	-0.38	26.22	-5.15
15	-1.24	-0.98	1.29	-3.44	-12.63	14.63	-26.84	-1.76	17.02	-6.05
16	-2.04	-1.28	1.49	-2.84	-11.45	15.32	-26.58	-2.08	11.21	-6.55
17	-1.64	-2.88	1.39	-2.64	-10.41	13.80	-24.65	-0.58	4.76	-7.44
18	-0.75	-2.68	0.59	-2.75	-7.64	6.92	-19.38	2.66	-1.92	-7.44
19	0.35	-2.38	0.19	-3.25	-4.86	0.49	-6.42	8.81	-7.97	-6.74
20	1.35	-1.18	0.19	-3.35	-0.48	-7.28	7.42	14.47	-11.99	-6.04
21	1.95	-0.38	0.49	-3.75	5.24	-12.91	12.66	17.81	-14.43	-4.64
22	1.65	0.12	1.49	-3.25	9.52	-18.48	13.04	18.93	-17.05	-2.85
23	1.45	0.32	1.68	-2.45	14.86	-22.14	15.68	17.72	-17.33	-2.55
24	0.05	0.82	1.58	-1.45	15.61	-25.04	15.80	14.59	-14.44	-3.96
25	-1.05	1.12	1.08	-0.45	15.48	-25.52	14.68	7.58	-10.53	-6.99
26	-3.66	1.12	0.68	0.45	14.72	-23.01	13.35	-3.20	-6.95	-10.44
27	-5.65	0.62	0.58	1.85	12.47	-16.32	10.82	-9.60	-1.02	-14.22
28	-5.84	-0.39	-0.02	1.95	5.49	-1.99	9.64	-15.25	0.13	-18.19
29	-4.75	-1.09	-0.02	1.95	0.91	16.13	9.43	-18.93	12.63	-21.36
30	-3.35	-1.69	-0.02	1.55	-4.41	22.14	8.52	-24.72	17.29	-21.39
31	-0.35	-2.79	-0.42	0.55	-10.90	23.36	6.82	-27.62	23.64	-20.58
32	0.55	-2.69	-1.92	-0.35	-15.64	21.96	4.53	-27.50	26.28	-18.62
33	2.95	-2.69	-2.92	-2.36	-18.30	17.02	2.04	-25.45	26.15	-15.55
34	5.54	-0.79	-3.02	-5.46	-19.29	9.79	0.64	-21.74	24.95	-13.55
35	4.63	0.11	-2.42	-6.36	-16.30	-3.25	-2.87	-18.03	21.89	-10.96
36	2.64	1.31	-1.82	-6.66	-8.41	-14.57	-8.30	-10.47	15.86	-6.06
37	0.64	1.91	-0.82	-6.44	-3.47	-17.72	-11.64	-5.57	12.29	-2.85
38	-0.96	2.11	0.47	-4.85	0.29	-17.35	-14.35	-1.89	8.76	-0.66
39	-3.87	2.01	1.27	-3.45	10.23	-11.82	-16.26	-1.19	-0.43	0.24
40	-6.67	0.41	2.27	-1.46	31.07	-8.48	-14.38	-1.29	-3.94	0.84
41	-7.21	-0.39	2.37	0.44	38.22	-5.51	-10.42	-2.30	-8.54	1.94
42	-2.56	-2.10	1.97	2.04	40.50	-2.13	-4.54	-5.91	-9.61	2.94
43	-2.46	-4.10	0.67	2.84	41.48	-1.13	1.64	-8.50	-8.83	4.25
44	-2.36	-5.20	0.37	3.44	41.13	-1.13	7.20	-9.09	-8.57	7.29
45	-0.16	-5.19	-0.43	4.24	38.76	-2.44	12.79	-8.60	-4.62	11.55
46	-0.16	-4.39	-2.33	4.84	30.73	-8.51	14.16	-8.49	-2.13	15.40
47	0.54	-2.80	-3.93	4.94	18.35	-13.52	14.60	-7.90	-1.33	18.63
48	1.03	-2.40	-3.93	4.93	4.47	-18.49	13.78	-7.70	-0.63	19.80
49	1.23	-1.40	-3.43	4.93	-5.82	-24.17	12.26	-8.10	0.17	19.27
50	1.53	-0.40	-2.43	4.93	-11.24	-23.36	6.91	-8.52	0.47	17.03

RECORD=S-545 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=HOSUSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	12.39	-12.59	26.92	4.62	-2.50	-0.83	-1.77	-9.28	0.07	2.33
2	8.26	-18.33	27.77	0.83	-4.70	-0.83	-3.77	-8.29	-0.93	2.93
3	3.33	-23.03	27.52	-0.37	-3.60	-1.74	-4.17	-7.30	-2.44	3.33
4	2.13	-26.46	25.73	-2.68	-1.20	-3.75	-4.17	-6.70	-3.64	3.33
5	-0.07	-26.49	20.78	-9.10	0.90	-6.77	-4.17	-5.90	-4.64	3.33
6	-1.97	-24.25	5.23	-10.71	4.11	-10.58	-4.17	-5.29	-5.54	3.33
7	-4.68	-20.61	0.46	-12.58	8.93	-12.16	-4.17	-2.90	-5.73	3.33
8	-6.00	-15.40	-4.05	-15.80	11.12	-12.72	-4.17	-0.90	-4.93	3.73
9	-9.42	-9.61	-8.05	-18.09	11.89	-12.19	-4.17	1.80	-4.14	4.33
10	-12.10	-4.69	-8.71	-18.13	11.88	-10.79	-4.17	6.62	-3.74	4.73
11	-12.82	-1.71	-7.14	-16.00	11.57	-8.77	-4.17	9.02	-3.44	4.93
12	-13.97	0.39	-6.72	-12.90	10.59	-4.82	-4.18	10.40	-3.64	5.43
13	-13.68	0.99	-4.73	-10.68	2.59	-1.04	-4.57	10.78	-4.24	5.72
14	-11.59	1.09	-2.74	-6.95	2.29	1.26	-3.87	10.24	-4.65	5.72
15	-8.55	1.19	-0.74	-4.17	1.89	3.86	-2.87	8.03	-5.55	5.72
16	-0.68	-0.31	2.56	-1.58	1.79	5.86	-1.88	4.08	-6.66	5.72
17	3.23	-1.01	4.16	-2.48	1.79	6.86	-0.88	1.09	-8.46	5.42
18	6.06	-1.31	6.57	-4.09	5.10	6.85	0.02	-2.62	-9.67	5.02
19	10.68	-1.31	8.76	-6.10	6.90	6.54	0.82	-6.03	-10.88	4.82
20	13.27	-2.11	9.18	-8.72	7.70	5.15	1.42	-8.62	-12.28	4.42
21	14.61	-3.42	10.56	-11.11	9.09	4.15	1.62	-8.91	-13.30	3.82
22	14.47	-4.42	10.96	-12.08	9.17	3.95	1.62	-8.88	-14.63	3.02
23	13.24	-5.33	11.13	-12.10	8.17	4.05	1.52	-6.87	-14.30	2.22
24	11.04	-6.93	10.33	-12.69	7.15	4.86	0.22	-2.91	-13.08	1.42
25	8.09	-8.11	9.21	-12.63	3.97	5.85	-0.88	0.98	-11.09	1.02
26	6.52	-7.70	7.20	-8.18	1.18	6.36	-2.39	3.79	-8.89	1.02
27	6.51	-6.71	3.24	-7.76	-1.42	8.08	-3.59	6.60	-5.13	1.02
28	6.10	-5.70	0.65	-5.57	-2.32	10.09	-4.79	8.80	-0.95	1.01
29	3.81	-3.71	-3.67	-2.78	-2.02	11.88	-6.39	9.78	1.75	1.01
30	3.81	-0.72	-8.73	0.71	-1.22	12.88	-6.28	9.99	3.55	1.01
31	1.31	2.18	-16.14	2.11	-0.82	13.86	-5.87	10.68	5.45	0.61
32	-0.29	6.20	-15.47	2.81	0.48	14.25	-2.88	10.78	6.65	-0.59
33	-1.19	8.46	-17.73	2.81	0.48	14.21	-0.89	10.78	6.64	-0.99
34	-1.09	7.46	-18.69	1.61	-0.02	13.49	1.01	10.78	6.53	-2.69
35	-0.69	5.65	-17.65	1.21	-0.82	12.11	3.82	10.77	5.44	-3.69
36	-0.19	1.67	-14.58	-0.79	-2.13	11.06	5.91	10.68	4.54	-4.69
37	0.01	-0.73	-10.64	-1.49	-4.36	8.09	5.50	10.78	3.04	-4.89
38	0.21	-5.46	-5.73	-1.59	-13.06	4.53	4.10	10.76	2.04	-5.19
39	1.21	-10.67	-1.96	-0.79	-16.77	2.14	3.10	10.06	1.04	-5.19
40	2.01	-12.38	-0.06	1.11	-20.73	2.34	1.11	9.27	-0.36	-4.99
41	3.21	-14.13	1.84	3.11	-22.88	3.04	-3.21	9.06	-1.26	-3.99
42	6.01	-16.50	3.54	5.12	-24.29	4.85	-8.63	8.46	-2.16	-2.99
43	7.02	-16.11	5.75	8.55	-25.21	6.44	-10.88	7.86	-3.26	-1.79
44	8.61	-15.57	7.14	11.12	-23.57	7.04	-14.27	7.06	-3.86	-1.20
45	8.70	-12.54	7.84	11.79	-21.36	7.14	-15.83	6.06	-3.56	-1.00
46	8.67	-7.06	8.44	11.15	-18.39	7.12	-16.46	5.26	-2.96	-0.90
47	6.47	-0.73	8.54	9.15	-12.65	5.92	-15.84	4.26	-1.96	-0.90
48	3.29	4.20	8.53	6.17	-7.58	4.13	-14.76	3.07	-0.97	-0.90
49	-0.70	13.65	8.42	2.60	-3.03	2.13	-11.84	1.87	0.73	-0.90
50	-6.66	25.21	7.20	-0.00	-1.43	0.33	-9.89	1.07	1.73	-0.40

RECORD=S-545 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ZERO.ANC STATION=-OFUSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2000

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-0.10	2.47	-4.27	1.40	-1.13	0.63	0.70	-3.66	3.63	-6.40
2	0.60	2.87	-4.97	1.60	-0.43	0.93	1.30	-3.64	3.63	-6.60
3	0.90	3.87	-6.18	1.60	0.16	1.43	1.70	-3.94	3.63	-6.60
4	1.30	5.46	-7.38	1.60	0.56	1.53	2.50	-4.74	3.43	-6.30
5	1.90	5.46	-8.67	1.00	1.66	1.43	2.70	-4.94	3.13	-5.50
6	2.30	5.36	-8.96	0.70	1.46	1.23	3.50	-5.14	2.83	-5.30
7	2.60	4.96	-8.47	-0.10	0.96	0.83	4.70	-5.24	2.53	-4.40
8	2.59	4.46	-8.06	-0.91	0.86	0.03	4.69	-4.84	2.43	-4.10
9	1.99	3.96	-7.06	-1.71	0.66	-0.37	4.69	-4.44	2.43	-3.70
10	1.39	3.36	-6.07	-2.81	0.26	-0.67	4.69	-4.04	2.43	-3.31
11	0.99	2.96	-5.07	-5.41	-0.14	-0.97	4.69	-3.64	2.43	-2.71
12	-0.21	2.66	-3.47	-5.51	-0.14	-1.17	4.69	-3.24	2.43	-2.61
13	-1.01	2.66	-1.38	-5.41	-0.14	-1.48	5.09	-3.04	2.63	-2.61
14	-2.91	2.66	-1.38	-5.11	-0.14	-2.08	5.49	-2.84	3.63	-2.61
15	-3.41	2.66	-1.38	-4.51	-0.14	-2.48	5.89	-2.54	4.53	-2.61
16	-3.01	2.46	-1.38	-4.11	0.06	-3.08	6.09	-2.54	5.42	-2.31
17	-2.01	3.26	-1.08	-3.11	0.16	-3.88	6.39	-2.55	5.42	-1.71
18	-1.01	3.65	-0.18	-2.11	0.15	-4.48	6.69	-3.15	5.72	-1.01
19	0.29	3.46	0.02	-1.11	0.15	-5.08	6.89	-3.55	5.72	0.59
20	1.69	3.85	1.22	-0.21	-0.15	-5.49	7.19	-4.15	5.72	1.39
21	3.29	4.05	2.22	0.59	-0.75	-6.69	7.18	-4.55	5.22	1.89
22	3.48	4.05	2.62	1.39	-1.15	-7.48	6.98	-4.95	4.71	2.39
23	2.98	4.25	2.72	1.58	-1.85	-7.17	6.77	-5.55	3.72	2.98
24	2.18	4.55	2.72	1.68	-2.55	-6.48	5.78	-5.95	2.62	3.08
25	1.18	4.65	2.72	1.08	-2.55	-5.98	4.77	-6.15	2.52	3.18
26	-0.02	5.15	2.82	0.88	-1.75	-5.18	2.78	-6.04	1.92	3.58
27	-1.02	5.35	3.22	0.48	-1.35	-4.18	1.78	-5.25	1.72	3.78
28	-2.92	5.34	3.82	-0.12	-1.15	-3.19	0.78	-5.24	1.61	3.98
29	-3.92	4.74	4.12	-0.62	-0.85	-3.29	-0.42	-4.05	1.81	4.28
30	-4.52	3.94	4.61	-1.12	-0.25	-3.29	-1.22	-2.45	1.81	4.48
31	-4.22	2.94	4.82	-1.12	0.55	-3.29	-1.52	-1.65	1.81	4.58
32	-4.02	1.34	5.61	-1.42	1.35	-3.29	-1.72	-0.55	1.81	5.18
33	-3.62	-0.06	5.81	-1.52	1.75	-3.49	-1.72	0.24	1.81	5.28
34	-3.62	-1.06	5.71	-1.52	2.54	-4.09	-1.72	0.44	0.11	5.27
35	-3.62	-3.36	5.41	-1.82	2.74	-4.49	-1.22	0.64	-1.29	4.67
36	-3.62	-3.66	4.90	-2.02	3.74	-5.10	-1.22	0.94	-3.20	4.17
37	-3.62	-4.36	4.01	-2.43	4.44	-6.09	-0.62	1.34	-5.21	3.77
38	-3.62	-4.26	3.61	-2.82	4.74	-5.99	-0.63	1.64	-6.20	3.27
39	-3.22	-4.06	3.51	-2.53	5.04	-5.39	-0.63	1.94	-6.99	2.87
40	-2.23	-3.66	3.51	-2.53	4.84	-4.59	-0.63	2.14	-6.98	2.17
41	-1.63	-3.36	3.51	-2.53	4.34	-4.19	-0.63	2.14	-6.48	1.77
42	-1.03	-3.36	3.51	-2.53	3.94	-3.19	-1.13	2.14	-7.69	1.67
43	-0.73	-3.36	3.50	-2.63	3.24	-2.19	-1.23	2.04	-7.29	1.27
44	-0.33	-3.56	1.90	-2.83	2.64	-1.60	-1.53	1.94	-6.49	1.27
45	-0.13	-3.66	1.70	-3.03	2.34	-1.20	-2.13	1.94	-5.89	1.27
46	-0.13	-3.46	1.50	-3.33	2.04	-0.50	-2.73	2.04	-5.60	0.87
47	-0.13	-3.36	1.40	-3.13	1.44	-0.50	-3.13	2.64	-5.50	0.67
48	-0.13	-3.37	1.40	-2.73	1.33	-0.50	-3.53	2.94	-5.50	0.27
49	0.87	-3.37	1.40	-2.33	1.03	-0.30	-3.63	3.16	-5.60	-0.23
50	1.67	-3.47	1.40	-1.73	0.83	0.30	-3.63	3.46	-6.20	-0.73

RECORD=S=545 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ZERO.AHC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	+0.83	-0.47	+3.00	4.16	+1.97	0.20	2.37	+2.27	0.80	-0.93
2	+0.83	+0.47	+3.00	3.86	-2.17	0.10	4.17	+2.87	0.80	-0.73
3	+0.64	+0.47	+3.09	3.36	-2.77	+0.10	4.77	+3.17	0.80	-0.54
4	+0.44	+0.47	+3.10	3.06	-3.17	+0.50	5.37	+3.47	0.60	+0.14
5	0.36	+0.17	-3.60	2.96	-2.97	-0.60	5.56	-3.57	0.40	-0.04
6	0.56	0.13	+4.11	2.96	-2.57	+1.10	4.66	-3.57	0.20	0.16
7	1.46	0.53	+4.61	2.96	-2.27	-1.40	3.56	-2.97	0.10	0.16
8	1.46	1.33	+5.11	2.96	-1.67	+1.41	2.56	+2.87	0.09	0.16
9	1.56	1.93	+5.71	2.96	-1.47	+1.41	2.26	+2.57	-0.01	0.16
10	1.56	2.53	+6.31	2.96	-1.37	+1.41	2.06	+1.97	-0.01	-0.04
11	1.56	3.63	+7.11	3.06	-1.17	+1.41	1.46	+1.47	-0.31	+0.14
12	1.46	3.42	-7.71	2.96	-0.67	+1.41	0.86	+1.17	-0.51	-0.24
13	0.66	3.02	-7.71	2.96	-0.18	+1.41	0.26	-0.68	-0.81	+0.44
14	0.46	2.62	-7.60	2.96	0.02	-1.41	0.26	-0.38	-1.21	+0.64
15	0.06	2.22	-6.81	2.96	0.42	-1.51	0.26	-0.38	-1.51	+0.84
16	+0.84	2.12	-6.71	2.95	1.02	-2.41	0.56	-0.38	-1.61	+1.14
17	+1.64	2.52	+6.70	2.35	1.42	-3.41	0.86	+0.38	-1.61	+1.14
18	+1.65	3.12	+6.01	1.55	1.62	-4.21	0.85	+0.38	-1.61	+1.15
19	+2.05	3.32	+5.51	1.25	1.62	+4.82	0.85	+0.38	+1.51	+1.15
20	+2.05	3.42	+5.01	+0.95	1.02	+5.82	1.15	-0.38	-1.41	+1.25
21	+2.05	3.72	+4.61	+1.45	0.82	+6.61	1.15	+0.88	+1.11	+1.35
22	+2.05	4.32	+3.81	+2.75	0.62	+6.52	0.85	+0.88	+0.91	+1.45
23	+2.05	4.92	+3.41	+4.36	0.02	+6.62	0.45	+0.58	+0.72	+1.55
24	+2.05	5.52	+2.82	+6.04	0.02	+6.62	+0.05	+0.48	+0.62	+1.55
25	+2.25	5.42	+2.72	+6.45	0.12	+6.62	+0.35	+0.38	+0.62	+1.55
26	+3.65	5.42	+2.62	+6.34	0.62	+6.62	+1.05	+0.48	+1.12	+1.55
27	+4.25	5.41	+1.82	+5.45	0.82	+6.61	+1.55	+0.48	+1.42	+1.15
28	+5.05	5.21	+1.62	+4.85	1.21	+5.92	+1.85	+0.59	+1.62	+0.75
29	+5.15	5.01	+0.62	+4.25	1.71	+5.51	+2.15	+0.59	+1.62	0.05
30	+5.56	5.01	0.29	+3.65	2.01	+4.52	+2.15	+0.59	+1.62	0.25
31	+5.96	4.81	1.28	+3.25	2.41	+3.92	+1.75	+0.69	+1.12	0.45
32	+6.25	4.41	1.68	+2.65	2.81	+3.52	+1.55	+0.19	+0.72	0.85
33	+6.25	4.01	2.28	+2.16	3.41	+2.72	+1.66	0.01	+0.32	0.94
34	+6.15	3.11	3.08	+2.06	3.41	+1.92	+1.06	0.81	-0.12	0.94
35	+5.95	2.81	3.08	+1.86	3.41	+1.52	+0.86	0.51	0.28	0.84
36	+5.86	2.81	3.09	+1.46	3.41	+1.32	+0.66	0.91	0.68	0.34
37	+5.86	2.81	3.08	+1.46	3.41	+1.32	+0.66	1.11	0.68	-0.06
38	+5.65	2.31	3.07	+1.46	3.41	+1.33	+0.76	1.21	0.87	-0.66
39	+4.56	1.61	3.07	+1.46	3.41	+1.33	+0.66	1.01	0.77	-1.26
40	+4.66	1.01	3.07	+1.46	3.41	+1.33	+0.76	0.81	0.57	-1.66
41	-4.06	0.11	3.07	+1.46	3.41	+1.36	+0.76	0.51	0.27	-2.76
42	-3.66	-0.39	3.07	+1.46	3.40	+1.33	+0.76	0.51	+0.43	-2.96
43	-3.36	-1.00	3.77	+1.36	2.50	+1.33	+0.96	0.40	+0.53	-3.06
44	-2.76	-1.40	3.97	+1.36	2.50	+1.33	+1.06	0.40	+1.13	-3.36
45	+2.36	-2.10	4.17	+1.36	2.20	+0.83	+1.06	0.20	+1.63	-3.26
46	+1.66	-2.90	4.17	+1.36	1.70	+0.63	+1.06	0.00	+1.63	-2.66
47	+0.66	-3.60	4.17	+1.36	1.50	0.37	+1.06	-0.50	+1.63	-2.46
48	+0.47	-3.90	4.17	+1.37	1.10	0.97	+1.07	-0.50	+1.63	-2.06
49	+0.47	-3.00	4.17	+1.47	0.90	1.37	+1.37	0.30	+1.43	+1.67
50	+0.47	-3.00	4.17	+1.77	0.50	1.97	+1.57	0.30	+1.13	+1.37

RECORD=S-545 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-0,77	-2,10	-2,03	-0,17	-1,70	-1,83	-1,37	-3,30	0.	0.
2	-0,17	-2,00	-2,64	-0,37	-1,70	-2,03	-1,57	-3,40	0.	0.
3	-0,17	-1,90	-3,44	-0,87	-1,70	-2,14	-1,67	-3,40	0.	0.
4	-0,17	-1,70	-3,44	-1,37	-1,30	-2,44	-1,77	-3,30	0.	0.
5	-0,17	-1,00	-3,54	-1,67	-0,90	-2,54	-1,77	-3,00	0.	0.
6	-0,17	-0,00	-3,54	-1,77	-0,70	-2,54	-1,77	-2,70	0.	0.
7	-0,27	1,20	-3,44	-2,07	-0,40	-2,54	-1,77	-2,40	0.	0.
8	-0,37	1,99	-3,24	-2,07	-0,31	-2,54	-1,67	-2,41	0.	0.
9	-0,37	2,09	-3,14	-2,27	-0,21	-2,44	-1,37	-2,41	0.	0.
10	-0,37	2,09	-2,84	-2,37	-0,11	-2,44	-1,17	-2,41	0.	0.
11	-0,37	2,09	-2,74	-2,47	-0,01	-2,44	-0,77	-1,91	0.	0.
12	-0,17	1,49	-2,44	-2,47	0,09	-2,44	-0,57	-1,91	0.	0.
13	-0,08	1,09	-2,34	-2,38	0,29	-2,44	-0,28	-1,91	0.	0.
14	0,02	0,69	-2,14	-2,38	0,49	-2,44	-0,18	-1,91	0.	0.
15	0,22	0,29	-1,74	-2,28	0,89	-2,34	0,02	-1,91	0.	0.
16	0,62	-0,11	-1,24	-2,08	1,09	-2,24	0,62	-1,51	0.	0.
17	0,92	-0,11	-0,84	-1,98	1,19	-2,24	1,42	-1,51	0.	0.
18	1,52	-0,21	-0,55	-1,98	1,29	-2,25	2,02	-1,71	0.	0.
19	1,72	-0,21	-0,15	-2,08	1,39	-2,25	2,02	-1,81	0.	0.
20	1,62	-0,11	-0,05	-2,08	1,39	-2,15	2,02	-1,81	0.	0.
21	1,32	-0,01	-0,05	-2,08	1,39	-2,05	2,02	-1,81	0.	0.
22	0,92	-0,01	-0,05	-1,78	1,19	-1,85	2,02	-1,51	0.	0.
23	0,42	0,38	0,05	-1,68	1,18	-1,55	1,62	-1,12	0.	0.
24	-0,68	0,38	0,15	-1,68	1,18	-0,95	1,22	-0,62	0.	0.
25	-1,48	0,38	0,35	-1,68	0,98	-0,15	0,72	-0,42	0.	0.
26	-2,38	0,38	0,45	-1,68	0,98	0,25	0,32	-0,42	0.	0.
27	-2,98	0,38	0,65	-1,68	0,98	0,75	0,22	-0,42	0.	0.
28	-2,99	0,38	0,75	-1,69	0,78	0,95	-0,09	0,28	0.	0.
29	-2,99	0,48	1,15	-1,99	0,58	0,95	-0,29	0,58	0.	0.
30	-2,99	0,68	1,35	-2,29	0,58	0,75	-0,29	0,78	0.	0.
31	-2,39	0,78	1,65	-2,49	0,58	0,75	-0,29	1,18	0.	0.
32	-1,99	0,78	1,75	-2,69	0,58	0,65	-0,29	1,58	0.	0.
33	-1,69	0,78	1,94	-2,79	0,58	0,34	-0,39	1,58	0.	0.
34	-1,39	0,68	2,14	-2,79	0,58	0,34	-0,49	1,38	0.	0.
35	-0,79	0,48	2,44	-2,59	0,68	0,34	-0,59	1,38	0.	0.
36	-0,39	0,38	2,44	-2,19	0,78	0,34	-0,59	1,28	0.	0.
37	0,21	0,08	2,44	-1,79	0,78	0,34	-0,79	1,18	0.	0.
38	0,41	-0,53	2,54	-1,59	0,67	0,34	-0,89	1,07	0.	0.
39	0,41	-1,23	2,74	-0,89	0,67	0,54	-0,89	0,97	0.	0.
40	0,41	-1,53	2,74	-0,19	0,17	0,64	-1,09	0,87	0.	0.
41	-0,09	-1,53	2,44	0,31	-0,23	0,84	-1,39	0,87	0.	0.
42	-0,69	-1,53	2,24	0,51	-0,83	0,84	-1,69	0,77	0.	0.
43	-0,90	-1,43	1,74	0,50	-1,33	0,74	-1,90	0,77	0.	0.
44	-1,70	-1,13	1,44	0,30	-1,53	0,54	-1,90	0,77	0.	0.
45	-1,70	-0,83	1,24	-0,20	-1,83	0,24	-2,20	0,77	0.	0.
46	-2,40	-0,63	0,84	-0,40	-2,03	0,14	-2,50	0,77	0.	0.
47	-2,50	-0,63	0,64	-0,80	-2,03	-0,26	-2,80	0,97	0.	0.
48	-2,50	-0,73	0,33	-1,30	-2,03	-0,67	-3,30	0,97	0.	0.
49	-2,50	-1,13	0,33	-1,70	-2,03	-0,87	-3,30	0,97	0.	0.
50	-2,30	-1,63	0,23	-1,70	-1,83	-1,17	-3,30	1,17	0.	0.

RECORD=S=545 COMPONENT=E=W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA=S
DATE AND TIME=1970=07=26=16=10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	=0,00	0,10	=0,21	1,59	=2,01	=2,41	=2,51	=2,11	=3,12	=3,02
2	=0,00	0,09	=0,21	2,49	=0,71	=3,21	=3,62	=1,52	=3,02	=3,02
3	=0,01	=0,01	=0,01	2,49	0,09	=3,42	=3,92	=1,52	=2,22	=3,02
4	=0,01	=0,11	0,49	1,79	0,29	=4,42	=3,92	=2,42	=1,62	=2,52
5	=0,21	=0,11	1,69	=0,02	0,08	=5,21	=3,42	=3,02	=1,52	=1,93
6	=0,21	=0,11	2,18	=1,62	=0,12	=4,51	=2,22	=3,63	=1,53	=1,73
7	=0,21	=0,42	2,38	=3,23	=0,12	=1,72	=1,02	=4,63	=1,93	=1,53
8	=0,32	=0,82	2,68	=6,64	=0,12	=0,52	=0,63	=5,03	=2,53	=1,03
9	=0,32	=1,02	3,38	=9,03	=0,13	1,07	0,07	=5,03	=2,73	=0,73
10	=0,32	=1,42	3,68	=9,52	0,27	1,57	0,37	=4,33	=3,13	=0,54
11	=0,32	=1,82	4,48	=9,30	0,47	1,67	0,37	=3,33	=3,44	=0,54
12	=0,32	=2,03	4,67	=7,69	0,87	1,47	=0,23	=2,14	=4,34	=0,94
13	=0,53	=2,03	4,37	=4,32	1,37	1,36	=0,54	=1,44	=4,54	=2,04
14	=0,23	=2,03	3,77	=0,33	1,36	0,86	=0,74	=0,84	=4,84	=2,64
15	=0,23	=2,03	2,76	2,77	0,96	0,86	=0,84	=1,04	=4,84	=3,45
16	=0,23	=1,93	1,16	3,86	0,66	0,86	=0,84	=1,44	=3,84	=4,25
17	=0,23	=1,74	0,16	3,26	=0,44	1,06	=0,94	=1,75	=2,85	=4,65
18	=0,34	=0,84	=0,64	2,26	=5,15	1,15	=1,35	=1,75	=1,65	=4,85
19	=0,44	=0,54	=1,84	=0,24	=5,53	1,35	=1,95	=1,55	=1,25	=4,75
20	=0,44	=0,24	=3,95	=1,55	=3,44	1,75	=3,05	=1,05	=1,15	=4,05
21	=0,54	=0,24	=4,95	=2,45	=1,45	1,75	=4,05	=0,75	=1,46	=3,16
22	=0,54	=0,25	=5,15	=2,75	=0,45	1,55	=4,56	=0,06	=1,76	=2,26
23	=0,65	=0,25	=5,15	=2,55	0,75	1,24	=4,66	0,14	=2,56	=1,36
24	=0,75	=0,15	=5,05	=1,35	1,74	0,94	=4,66	0,54	=2,86	=0,96
25	=0,75	=0,05	=4,25	=0,36	2,04	0,24	=4,16	1,04	=2,86	=0,27
26	=0,75	=0,05	=2,26	0,14	1,24	=0,06	=3,46	0,74	=1,87	0,73
27	=0,65	=0,06	=1,46	0,14	=0,46	=0,56	=2,46	0,93	=0,87	1,13
28	=0,66	0,04	=0,86	0,04	=3,37	=0,67	=0,87	=0,37	=0,17	1,13
29	=0,46	0,14	=0,56	=0,36	=6,69	=0,87	=0,17	=0,77	0,63	1,03
30	=0,36	0,34	=0,76	=1,27	=9,19	=1,17	0,23	=1,07	1,13	=0,98
31	=0,26	0,74	=1,17	=2,67	=10,17	=1,17	0,13	=1,38	1,12	=2,88
32	=0,27	0,63	=1,77	=3,27	=9,94	=1,47	=0,18	=1,68	1,12	=5,59
33	=0,37	=0,07	=2,17	=3,37	=8,65	=1,88	=0,68	=1,88	0,72	=7,29
34	=0,47	=0,17	=3,18	=2,67	=6,85	=2,28	=1,18	=1,88	0,72	=8,18
35	=0,47	=1,07	=4,58	=0,78	=4,47	=3,48	=1,08	=2,08	1,02	=8,09
36	=0,37	=1,58	=5,07	0,72	=3,48	=4,49	=0,68	=2,49	1,21	=7,96
37	=0,28	=1,88	=4,67	1,42	=1,78	=5,89	=0,19	=3,69	1,21	=5,98
38	=0,28	=2,08	=3,28	3,82	=0,48	=6,29	=0,09	=4,70	1,11	=4,98
39	=0,28	=2,38	=2,28	4,81	0,71	=6,57	0,01	=6,50	=0,49	=2,39
40	=0,08	=2,28	=1,48	3,81	1,01	=5,18	0,11	=7,69	=1,70	=1,00
41	=0,08	=1,98	=0,59	3,01	1,41	=3,89	=0,19	=7,57	=3,80	0,90
42	0,01	=1,19	=0,59	2,01	1,81	=3,39	=0,30	=5,79	=5,31	2,90
43	0,01	=0,59	=0,69	0,71	2,01	=2,90	=0,70	=4,79	=6,30	4,00
44	0,01	=0,39	=1,19	=0,39	1,90	=2,60	=1,60	=2,40	=6,29	3,39
45	0,01	=0,19	=1,90	=4,10	1,10	=2,50	=2,40	=1,70	=5,30	2,99
46	0,01	=0,10	=2,00	=6,31	=0,00	=2,50	=3,41	=1,41	=4,60	=0,51
47	0,00	=0,10	=1,70	=7,99	=0,50	=2,20	=4,41	=1,41	=3,51	=1,01
48	0,00	=0,10	=0,30	=7,38	=1,80	=1,41	=4,41	=2,11	=2,91	=3,52
49	0,10	=0,20	0,20	=5,40	=2,31	=1,31	=4,31	=2,71	=2,71	=5,72
50	0,10	=0,20	0,80	=4,40	=2,31	=2,11	=3,21	=3,11	=2,82	=6,12

RECORD=S-545 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-6.01	-6.03	1.88	-2.22	-14.70	-9.13	45.24	-17.45	6.12	-6.91
2	-5.41	-6.69	1.78	-2.63	-16.14	-9.12	45.54	-23.95	12.26	-14.00
3	-4.02	-3.52	0.97	-2.83	-16.32	-8.53	40.86	-28.14	18.57	-18.25
4	-3.22	-1.93	-0.83	-3.13	-16.13	-8.25	33.88	-30.54	24.98	-23.91
5	-2.03	-1.13	-3.14	-3.23	-14.35	-9.27	24.88	-29.69	25.73	-26.41
6	-1.43	-0.23	-5.74	-2.73	-12.38	-10.99	14.74	-26.81	24.84	-29.95
7	-1.73	0.77	-6.23	-1.34	-10.57	-13.03	2.33	-21.02	19.53	-31.25
8	-2.53	0.97	-6.13	-0.84	-7.78	-15.57	-22.39	-13.84	12.31	-31.25
9	-3.74	0.96	-5.73	-0.44	-3.43	-17.69	-31.15	-6.67	5.11	-30.36
10	-4.74	0.86	-4.23	-0.04	-0.04	-15.34	-38.17	0.95	-1.86	-26.05
11	-5.75	-0.14	-2.54	0.56	2.26	-11.42	-38.65	9.22	-9.92	-21.00
12	-6.75	-0.64	-1.64	1.05	5.16	-7.09	-35.72	13.31	-17.99	-11.69
13	-7.34	-1.15	-1.55	1.55	6.15	-1.55	-27.20	17.44	-23.93	-2.94
14	-7.44	-2.45	-1.95	2.35	5.94	5.19	-21.64	18.56	-25.16	4.98
15	-7.23	-3.65	-2.55	2.75	4.54	12.58	-12.39	15.97	-24.73	12.19
16	-5.44	-4.46	-2.95	2.64	3.54	19.67	-4.63	11.08	-21.00	19.97
17	-3.45	-5.46	-3.46	1.44	2.44	23.34	1.64	5.20	-12.59	22.79
18	-2.05	-6.35	-3.56	-0.16	2.44	23.23	6.29	-1.37	-4.83	24.83
19	-1.06	-6.14	-3.46	-1.36	4.44	22.12	12.12	-8.57	2.04	24.47
20	-0.16	-4.15	-2.26	-4.07	5.85	18.82	14.64	-15.52	11.02	21.43
21	0.14	-2.46	-1.26	-7.30	7.14	11.24	14.84	-25.00	18.30	15.78
22	-0.06	-1.66	-0.37	-10.73	7.62	4.40	15.08	-34.94	21.86	11.29
23	-0.66	-1.37	1.23	-13.34	6.51	-1.58	16.07	-40.94	22.11	6.37
24	-0.97	-1.47	2.23	-15.09	4.52	-11.77	16.91	-44.24	21.91	1.02
25	-0.77	-3.07	3.13	-15.37	2.52	-21.87	18.35	-43.22	20.84	-3.90
26	-0.17	-4.69	3.23	-13.30	-1.08	-28.32	20.05	-38.85	19.78	-9.77
27	0.43	-7.90	3.12	-11.24	-3.79	-36.26	20.14	-31.31	15.97	-13.95
28	0.33	10.06	2.52	-6.34	-6.19	-42.94	18.04	-24.48	13.42	-15.29
29	0.32	-9.14	0.92	-1.38	-7.07	-47.05	14.28	-15.40	10.98	-15.23
30	-0.78	-7.15	-0.78	2.12	-5.47	-48.79	11.18	-8.10	6.06	-13.87
31	-4.79	-4.17	-1.98	4.52	-2.48	-47.35	6.19	-1.79	-0.09	-10.93
32	-7.39	-1.48	-2.59	6.11	0.01	-44.05	-7.52	6.17	-5.84	-8.55
33	-7.89	0.71	-3.09	5.60	1.41	-39.27	-17.93	14.37	-11.97	-5.38
34	-7.93	1.71	-3.99	3.80	4.22	-33.05	-22.50	20.30	-17.69	-2.00
35	-3.58	2.11	-4.09	2.00	6.42	-27.14	-22.00	22.29	-22.34	3.51
36	-2.39	1.21	-2.39	-0.20	8.44	-22.08	-17.31	21.99	-27.43	7.92
37	-1.59	0.61	-1.69	-2.30	10.60	-17.27	-11.54	20.02	-30.55	10.07
38	-1.59	-0.70	-0.60	-5.10	10.70	-12.44	-5.86	17.75	-29.01	8.95
39	-1.60	-1.20	0.40	-6.10	10.69	-10.69	0.19	11.44	-23.92	6.35
40	-1.50	-3.10	1.00	-6.10	10.28	-10.00	5.22	6.12	-16.40	1.98
41	-1.40	-4.40	1.10	-5.40	9.47	-9.69	10.87	-1.82	-8.00	-1.82
42	0.80	-4.20	0.69	-4.40	8.48	-8.73	14.12	-9.86	-0.02	-5.54
43	1.80	-3.21	-1.11	-2.91	7.68	-4.00	17.37	-17.03	8.07	-9.59
44	3.30	-2.81	-3.01	-2.61	6.98	-1.61	20.14	-22.23	14.72	-12.94
45	5.59	-2.41	-5.22	-3.06	6.47	3.09	20.59	-26.72	17.69	-13.42
46	4.98	-2.21	-6.01	-3.52	4.48	8.40	19.41	-27.50	17.62	-13.37
47	3.88	-1.41	-5.30	-5.44	2.88	16.75	15.84	-24.64	13.87	-11.97
48	0.99	-0.72	-2.82	-8.74	0.08	24.99	8.13	-16.31	8.99	-9.97
49	-0.72	0.38	-2.12	-10.17	-3.83	32.31	-1.73	-7.75	4.05	-7.01
50	-3.02	1.38	-2.02	-12.20	-7.45	39.40	-9.78	-1.82	-1.53	-5.02

RECORD=S=545 COMPONENT=E=W SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=HOSOSHIMA=S
DATE AND TIME=1970=07=26=16=10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	=2,03	12,75	=6,61	3,06	-9,64	9,36	3,34	9,75	2,65	=2,05
2	=0,54	9,59	=3,64	1,06	-9,44	9,34	=0,45	9,85	2,65	=0,45
3	1,36	5,83	=2,24	=0,95	=8,94	8,44	=2,15	9,62	2,55	0,34
4	3,16	1,85	2,86	=4,26	-8,72	7,42	=2,65	8,01	1,74	0,94
5	3,15	=2,15	4,46	=8,70	-6,81	4,54	=2,15	5,23	1,14	1,94
6	1,95	=6,06	5,65	-12,09	-2,45	1,84	=0,76	2,64	1,14	2,94
7	0,55	=8,08	5,85	-13,12	=1,15	=0,56	3,25	1,64	0,64	4,54
8	=1,65	=9,95	5,73	=12,30	-0,26	=2,56	6,07	1,64	1,04	5,54
9	=5,58	-9,99	3,54	=10,51	0,24	=4,47	10,28	0,84	2,03	5,93
10	=9,80	=7,13	0,74	=8,29	0,64	=6,48	12,10	=0,77	2,83	5,43
11	=12,04	=4,52	=2,26	=3,36	1,44	=8,51	14,11	=2,77	3,43	5,03
12	-14,83	3,76	=7,00	=0,86	1,94	=11,30	15,86	=4,48	4,83	4,40
13	=16,55	9,86	=11,05	0,23	2,43	=12,53	16,30	=5,68	5,73	=1,68
14	=19,66	15,81	=14,32	0,33	3,13	=14,17	15,64	=6,37	5,62	-1,68
15	=20,76	16,98	=17,99	0,03	3,83	=14,17	14,05	=5,57	5,12	=1,78
16	=20,38	16,04	=20,98	=0,37	5,03	=14,11	12,27	=4,77	4,32	=1,28
17	=17,25	12,69	=20,83	=1,87	6,43	=12,46	10,68	=3,38	3,72	0,72
18	=13,91	8,75	=18,25	=3,28	7,43	=8,92	9,05	=3,58	3,11	3,72
19	=9,95	3,81	=15,18	=4,48	8,01	=5,76	5,29	=3,58	1,51	4,52
20	=4,06	=1,18	=13,17	=6,09	7,49	=2,78	0,32	=3,59	0,51	5,80
21	=0,58	=9,22	=10,19	=7,70	5,49	=0,68	=1,69	=3,19	=0,49	4,81
22	1,62	=17,42	=6,23	=9,09	1,71	2,02	=2,69	=2,79	=1,09	4,81
23	4,23	=26,08	0,22	=9,68	-0,49	6,94	=5,01	=2,59	-2,90	4,80
24	7,43	=32,33	3,42	=9,57	=2,49	9,72	=9,42	=1,79	=3,80	4,91
25	8,32	=33,89	5,63	=8,77	=4,80	10,40	=10,61	=1,80	=6,23	6,31
26	8,31	=33,65	7,62	=7,69	=7,20	10,17	=11,09	=1,80	=10,60	6,90
27	8,08	=32,46	8,71	=7,38	=7,89	8,46	=10,65	=1,50	=10,69	7,30
28	6,00	=30,34	9,11	=6,59	=7,47	5,36	=8,65	=1,10	=10,28	7,60
29	4,89	=27,14	9,32	=5,89	-4,99	=0,60	=5,68	=0,10	-9,07	8,10
30	1,10	=23,53	10,00	=5,19	-2,50	=4,53	=2,90	0,29	=6,89	8,39
31	=2,10	=18,21	10,00	=4,10	-0,40	=10,41	=0,81	0,39	-4,91	8,37
32	=6,04	=13,02	10,09	=3,50	1,40	=15,05	0,59	0,39	-3,91	7,36
33	=11,92	=8,15	9,78	=3,51	4,82	=18,05	1,59	=1,01	-2,91	4,96
34	=15,92	=4,19	8,87	=3,51	9,66	=19,87	1,89	=1,82	-1,42	3,38
35	=18,05	0,69	7,67	=3,71	8,05	=19,20	1,88	=2,12	-1,32	1,98
36	=18,60	5,53	5,88	=4,32	5,47	=16,59	1,28	=2,12	-1,32	-0,22
37	=18,48	11,92	4,18	=5,92	2,88	=14,44	=0,22	=1,12	-1,52	-2,63
38	=17,97	12,97	1,68	=7,01	0,68	=10,48	=1,32	=0,92	-1,93	-5,35
39	=15,95	12,46	=1,32	=6,79	-1,12	=4,61	=2,73	=0,53	=2,83	-8,79
40	=12,97	11,73	=3,63	=4,41	=2,53	=2,62	=6,48	0,07	-3,23	-12,44
41	-9,02	9,93	=5,93	=2,42	=8,27	1,08	=12,09	1,87	-3,63	-12,63
42	-3,31	7,73	=7,12	1,28	=11,53	4,29	=14,04	3,07	-4,23	-12,39
43	1,58	4,16	=7,11	5,49	=11,53	8,30	=14,31	3,88	-4,64	-10,94
44	6,82	=0,03	=5,91	8,67	=11,45	9,96	=13,92	6,47	-5,34	-7,42
45	11,27	=2,23	=3,03	8,60	=8,50	9,57	=13,35	7,06	-6,14	-5,83
46	14,88	=6,96	=2,33	4,35	=6,50	9,52	=8,64	7,14	-5,94	-4,44
47	17,07	=9,86	1,37	=0,03	=2,53	7,46	=2,73	5,25	-5,34	-3,44
48	17,00	=11,13	3,87	=2,04	1,16	7,15	0,96	4,15	-4,14	-3,05
49	15,90	=11,09	4,46	=3,95	6,58	6,35	5,18	2,65	-3,55	-2,95
50	14,58	-9,19	4,46	=6,97	9,16	5,34	9,26	2,65	-2,95	=3,05

RECORD=S-545 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ZERO.ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

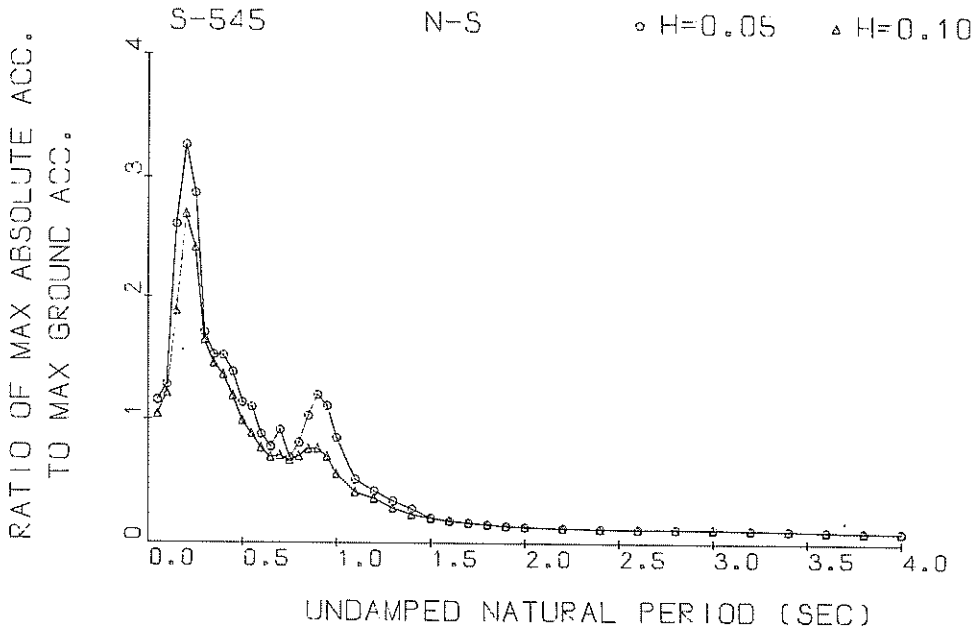
NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-3,95	-4,05	1,34	3,14	4,54	1,94	-5,87	2,23	3,63	-2,07
2	-3,96	-3,56	1,54	3,04	4,14	2,74	-6,27	1,33	3,53	-1,37
3	-4,66	-3,16	1,84	2,64	3,53	4,14	-6,27	0,63	2,93	-1,17
4	-5,36	-3,16	2,04	1,84	2,53	5,93	-6,27	0,33	2,53	-1,17
5	-5,05	-3,16	2,04	0,63	1,53	6,14	-6,27	0,23	2,23	-1,18
6	-3,26	-3,27	2,03	-0,97	-2,07	7,14	-6,47	0,13	2,52	-1,18
7	-3,06	-3,47	1,93	-2,37	-2,67	7,94	-6,48	0,12	2,82	-1,88
8	-0,57	-3,57	1,73	-3,37	-3,48	8,62	-6,48	0,12	3,32	-2,18
9	0,43	-3,57	0,83	-3,57	-5,78	8,62	-6,47	0,42	3,62	-2,89
10	1,83	-3,87	0,73	-3,78	-6,68	8,62	-5,88	0,72	4,01	-3,59
11	4,43	-4,08	0,22	-3,38	-7,17	8,51	-5,67	0,71	3,91	-4,19
12	6,03	-4,38	0,12	-2,48	-6,48	7,80	-3,68	0,71	3,31	-4,69
13	6,22	-4,48	0,12	-1,88	-5,88	6,80	-2,78	0,71	2,11	-5,50
14	6,32	-4,48	0,12	-1,48	-5,48	5,40	-0,79	0,21	0,11	-5,90
15	6,42	-4,48	-0,18	-0,49	-4,89	3,41	0,21	0,01	-1,90	-6,39
16	6,01	-4,38	-0,89	0,51	-4,69	2,41	1,21	-0,80	-2,30	-6,20
17	5,41	-3,59	-1,29	1,31	-4,49	0,41	1,30	-1,80	-2,00	-6,00
18	4,91	-3,49	-1,89	1,61	-3,49	-0,80	1,90	-3,60	-0,20	-6,00
19	3,91	-3,19	-2,79	1,61	-3,00	-1,30	1,90	-4,51	2,00	-5,60
20	3,11	-1,49	-3,30	1,60	-2,80	-1,40	1,50	-5,51	3,80	-5,31
21	2,91	-0,50	-4,00	1,60	-2,40	-1,30	0,30	-6,61	4,00	-5,11
22	2,90	1,50	-4,80	1,60	-2,10	0,10	-0,61	-7,31	6,60	-4,81
23	2,90	2,50	-5,20	1,60	-1,90	0,89	-0,01	-7,21	7,59	-4,41
24	2,70	4,70	-5,50	1,90	-1,61	1,49	0,19	-6,81	7,68	-4,01
25	1,50	5,80	-5,30	2,49	-1,61	1,89	0,89	-6,61	7,48	-3,32
26	0,30	6,70	-5,10	2,99	-3,11	2,69	1,59	-6,01	6,68	-2,72
27	-0,91	7,30	-4,70	3,29	-3,52	5,09	2,99	-5,92	6,07	-2,32
28	-1,71	7,70	-3,61	4,29	-6,23	5,78	4,19	-5,82	4,48	-0,52
29	-2,31	8,19	-3,51	4,89	-7,51	5,88	4,98	-5,82	4,07	0,37
30	-2,21	8,29	-3,31	5,29	-6,71	5,88	5,58	-5,42	2,87	0,47
31	-1,61	8,48	-1,62	5,98	-5,52	5,87	5,78	-5,23	1,67	0,47
32	-0,82	8,48	-1,22	5,68	-4,72	5,16	5,77	-5,16	1,27	-0,03
33	-0,42	8,17	0,38	5,57	-3,52	3,17	5,77	-5,16	1,27	-0,63
34	0,58	7,27	0,58	4,97	-1,63	1,37	5,97	-5,13	1,27	-1,04
35	1,78	6,76	1,17	4,57	-0,63	-1,23	6,17	-5,16	1,36	-1,64
36	1,98	4,77	0,77	3,57	1,67	-3,24	6,17	-5,14	1,96	-2,04
37	2,37	3,27	0,27	1,57	2,07	-4,84	6,36	-5,14	2,76	-2,14
38	2,57	2,77	-0,13	-0,43	2,27	-5,94	6,36	-5,14	3,36	-2,14
39	3,07	1,97	-0,53	-1,34	2,76	-6,54	6,36	-4,84	3,96	-2,15
40	3,37	0,77	-0,74	-1,84	2,56	-6,44	5,96	-4,24	4,56	-2,15
41	3,36	-0,44	-0,44	-1,74	2,06	-6,04	6,06	-3,84	4,75	-2,15
42	2,66	-1,14	0,06	-0,74	1,86	-5,64	6,15	-2,55	4,45	-2,15
43	1,86	-1,04	0,06	0,26	1,45	-5,05	6,16	-2,15	3,25	-2,15
44	0,86	-0,64	0,36	1,25	0,85	-4,95	6,65	-1,15	2,84	-2,16
45	-0,14	-0,34	0,95	2,25	0,45	-4,95	6,65	-0,15	1,04	-2,16
46	-1,14	-0,05	1,15	3,05	-0,55	-5,16	6,74	0,84	-0,56	-0,36
47	-2,15	0,35	1,55	3,85	-0,35	-5,56	6,54	2,04	-1,96	0,44
48	-3,15	0,45	2,15	4,45	0,64	-5,86	6,23	2,84	-3,16	1,24
49	-4,05	0,65	2,55	4,64	1,04	-5,86	5,23	3,34	-3,06	2,24
50	-4,45	0,65	3,14	4,64	1,34	-5,86	4,23	3,64	-2,67	3,23

RECORD=S-545 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

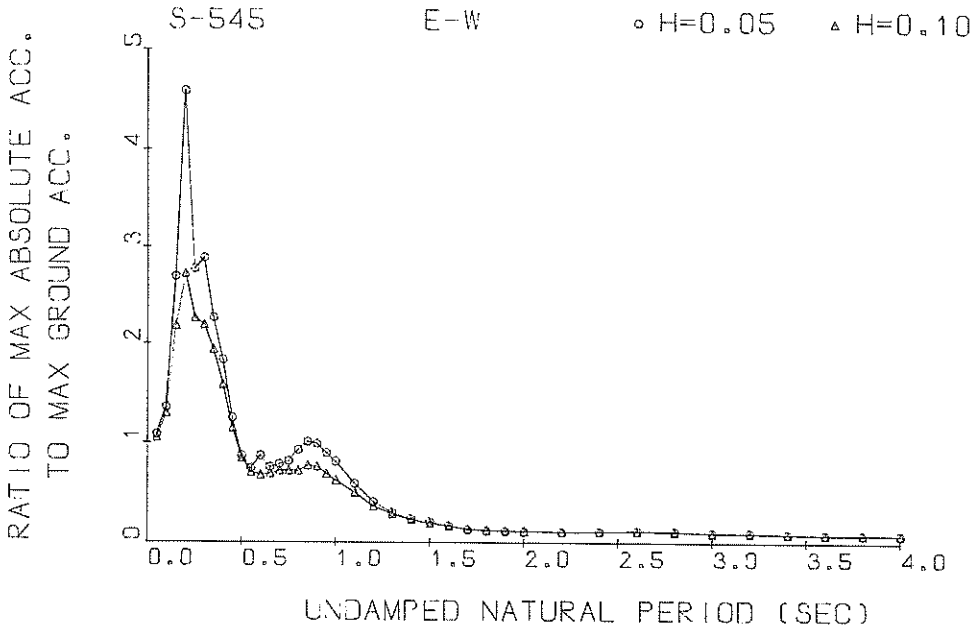
NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	4.43	-7.17	2.53	-1.47	1.32	2.92	-3.28	2.22	-1.48	1.51
2	4.53	-6.77	1.82	-0.48	0.72	4.12	-3.88	1.72	-1.49	1.21
3	4.53	-6.17	1.82	0.22	0.32	4.92	-4.48	1.71	-1.39	1.21
4	4.52	-5.97	1.82	0.82	-0.28	5.12	-4.18	1.41	-1.49	1.21
5	3.92	-5.17	1.82	1.12	-0.48	5.01	-3.79	1.21	-1.79	1.21
6	3.92	-4.18	1.82	1.11	-0.49	4.81	-3.39	0.71	-2.29	1.20
7	3.52	-3.58	1.81	1.11	-0.49	4.41	-3.09	0.41	-2.50	1.20
8	2.92	-2.58	1.81	1.01	-0.49	4.21	-2.39	-0.20	-2.80	1.20
9	2.91	-1.89	1.81	0.61	-0.49	3.81	-2.00	-0.30	-2.60	1.20
10	2.91	-1.49	1.81	0.61	-0.49	3.70	-1.80	-0.30	-2.40	1.00
11	3.21	-1.29	1.71	0.40	-0.50	3.70	-1.00	-0.10	-2.00	0.59
12	3.41	-0.89	1.10	0.40	-0.50	3.70	-0.50	0.30	-1.61	0.39
13	3.61	-0.50	0.70	0.10	-0.50	3.70	-0.20	0.69	-1.31	0.09
14	3.81	0.10	-0.30	0.30	-0.50	3.69	-0.21	1.69	-0.81	-0.41
15	4.80	1.30	-0.80	1.30	-0.71	3.39	-0.11	1.89	-0.61	-1.01
16	5.10	1.50	-1.70	1.49	-1.51	3.39	-0.11	2.49	-0.51	-1.42
17	5.10	1.70	-1.91	1.49	-2.51	3.39	-0.11	2.69	-0.42	-1.82
18	5.10	1.69	-2.11	4.09	-3.51	2.99	-0.31	2.68	-0.02	-2.02
19	5.09	1.39	-2.11	4.29	-4.52	2.48	-0.72	2.58	0.38	-2.12
20	5.09	0.99	-1.81	5.09	-5.82	2.18	-1.32	1.98	0.98	-1.82
21	5.09	0.19	-1.21	5.19	-6.82	1.48	-1.52	1.68	1.78	-1.33
22	5.09	-0.21	-0.62	5.38	-6.92	1.48	-1.52	1.58	2.57	-1.13
23	5.39	-0.82	-0.42	5.38	-6.92	1.48	-1.52	1.17	2.97	-0.83
24	5.38	-0.92	0.28	4.97	-6.72	2.28	-1.53	0.97	3.17	-0.43
25	5.38	-0.52	0.48	3.97	-5.92	2.87	-1.43	0.57	3.17	0.07
26	5.28	0.28	0.48	3.17	-5.52	3.27	-0.83	0.27	3.07	0.26
27	4.87	1.08	0.47	3.17	-4.93	3.67	-0.23	0.17	2.86	0.46
28	3.87	2.47	0.47	3.17	-4.53	4.07	0.77	0.16	2.86	0.66
29	2.87	3.27	-0.33	3.17	-3.83	4.36	1.16	0.16	2.86	0.86
30	1.87	3.67	-0.83	3.17	-2.83	3.76	2.56	0.16	2.96	0.86
31	1.67	4.97	-1.93	3.16	-2.04	3.66	2.96	0.46	3.26	1.05
32	0.87	5.27	-2.84	3.16	-1.64	3.16	3.56	0.66	3.35	1.35
33	0.27	5.26	-3.34	3.16	-0.84	1.76	4.15	0.65	3.35	1.45
34	-0.34	5.26	-3.74	3.16	-0.64	0.95	4.15	0.65	3.25	1.35
35	-1.14	5.16	-3.74	3.16	1.35	0.55	4.35	0.75	2.75	0.95
36	-1.74	4.56	-3.74	3.45	1.95	0.65	4.34	0.85	2.55	0.34
37	-2.14	4.36	-3.75	3.75	2.15	0.65	3.25	1.45	2.44	-0.06
38	-2.75	4.35	-3.75	3.85	2.35	0.95	2.64	1.64	2.64	-0.06
39	-3.55	4.35	-3.75	3.85	2.55	1.14	2.24	1.64	2.74	-0.46
40	-4.15	4.35	-3.75	3.55	2.54	1.24	1.64	1.64	2.94	-0.46
41	-4.86	4.35	-3.75	3.44	2.04	1.84	0.44	1.64	3.14	-0.47
42	-6.06	4.35	-3.76	3.44	1.54	2.04	0.54	1.63	3.33	-0.47
43	-6.86	4.34	-3.86	3.44	0.64	2.04	0.83	1.23	3.43	-0.47
44	-7.46	4.64	-3.86	3.44	0.44	2.03	1.13	1.13	3.53	-0.47
45	-7.86	5.04	-3.86	3.34	0.03	1.73	2.03	0.63	3.53	-0.47
46	-8.07	4.94	-3.86	3.23	0.13	1.33	2.13	0.13	3.52	-0.48
47	-8.46	4.73	-3.67	3.23	0.93	0.33	2.43	-0.38	3.22	-0.38
48	-8.26	4.13	-3.17	2.93	1.33	-0.67	2.72	-0.88	3.02	0.02
49	-8.16	3.73	-2.67	2.53	1.93	-2.28	2.72	-1.08	2.42	0.62
50	-7.56	2.73	-1.67	1.73	2.32	-2.68	2.62	-1.48	2.02	1.02

RECORD=S*545 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=HOSOSHIMA-S
DATE AND TIME=1970-07-26-16-10 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2900

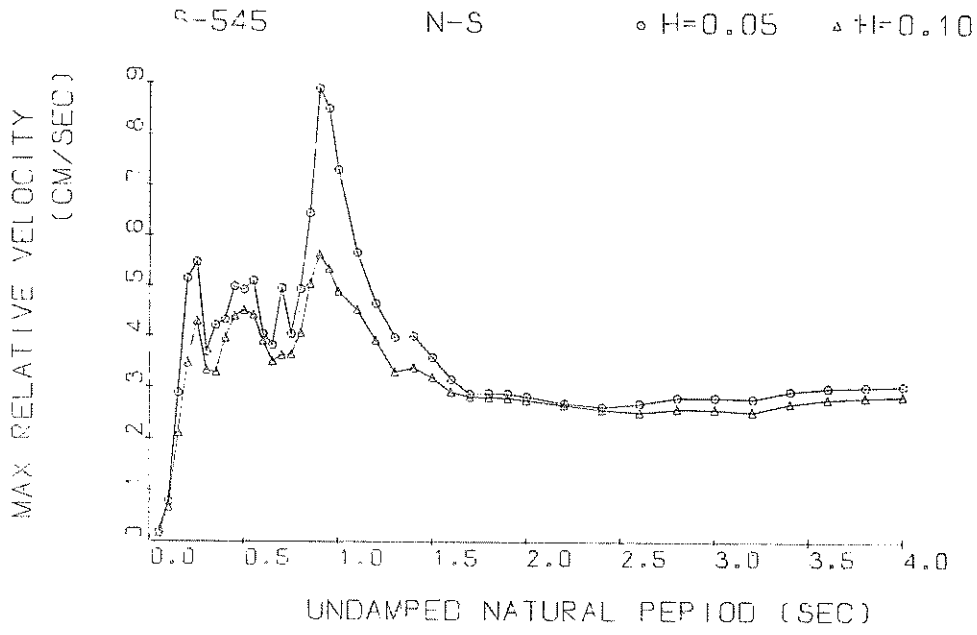
NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	1.41	-0.69	1.31	2.51	1.21	1.51	0.80	1.30	0.	0.
2	1.81	-0.29	1.31	2.71	1.20	2.10	1.00	0.70	0.	0.
3	2.41	0.11	1.31	3.00	1.20	2.30	1.10	0.30	0.	0.
4	2.41	0.41	1.30	3.20	0.90	2.30	1.20	0.10	0.	0.
5	2.41	0.70	1.30	3.40	0.50	2.30	1.90	0.09	0.	0.
6	2.40	1.10	1.30	3.40	0.10	1.99	2.19	0.09	0.	0.
7	2.40	1.10	1.30	3.40	-0.01	1.59	2.89	0.09	0.	0.
8	2.40	1.10	1.30	3.39	-0.41	1.49	3.19	0.09	0.	0.
9	2.40	1.10	1.29	3.39	-0.51	1.39	3.49	0.09	0.	0.
10	2.39	1.09	1.39	3.39	-0.41	1.39	3.68	0.08	0.	0.
11	2.39	1.09	1.49	3.39	-0.41	1.38	3.68	0.08	0.	0.
12	2.39	1.29	1.49	3.38	-0.22	1.38	3.68	0.08	0.	0.
13	2.39	1.69	1.49	2.98	0.18	1.38	3.68	0.08	0.	0.
14	2.39	1.99	1.28	2.78	0.38	1.38	3.68	0.07	0.	0.
15	2.58	2.28	1.08	2.58	1.38	1.38	3.67	0.07	0.	0.
16	2.58	2.68	0.68	1.58	2.08	1.37	3.57	0.47	0.	0.
17	2.78	3.08	0.48	0.68	2.17	1.37	3.27	0.57	0.	0.
18	2.78	3.18	-0.12	0.07	2.97	1.37	2.77	0.77	0.	0.
19	3.38	2.77	-0.33	-0.23	2.97	0.87	2.47	1.06	0.	0.
20	3.48	2.27	-0.53	-0.63	3.07	0.77	2.26	1.66	0.	0.
21	3.67	1.97	-0.53	-0.73	3.06	0.36	2.06	1.86	0.	0.
22	3.67	1.77	-0.53	-0.73	2.66	0.26	1.76	2.06	0.	0.
23	3.47	1.07	-0.53	-0.74	2.46	0.26	1.76	2.46	0.	0.
24	3.27	0.96	-0.54	-0.74	1.96	0.26	1.76	2.85	0.	0.
25	2.96	0.96	-0.84	-0.74	1.46	0.16	1.75	2.95	0.	0.
26	2.86	0.96	-0.84	-0.74	1.46	0.25	1.75	2.95	0.	0.
27	2.86	0.96	-0.84	-0.74	1.75	0.25	1.75	2.55	0.	0.
28	2.36	0.96	-0.85	-0.75	2.15	0.25	1.75	2.15	0.	0.
29	2.06	0.95	-0.85	-0.75	2.35	0.25	1.35	1.54	0.	0.
30	1.85	0.95	-0.85	-0.75	2.85	0.25	1.24	0.94	0.	0.
31	1.05	0.95	-0.65	-0.75	2.95	0.24	1.04	0.24	0.	0.
32	0.15	0.95	-0.45	-0.75	2.94	0.24	0.74	0.14	0.	0.
33	-0.65	0.95	-0.16	-0.76	2.84	0.24	0.64	0.14	0.	0.
34	-1.35	0.94	0.14	-0.76	2.64	0.24	0.34	0.43	0.	0.
35	-1.66	0.64	0.54	-0.76	2.44	0.24	0.23	0.63	0.	0.
36	-1.46	0.64	1.34	-0.56	2.44	0.33	0.23	1.33	0.	0.
37	-0.56	0.64	2.14	-0.37	2.23	0.33	0.23	2.03	0.	0.
38	-0.46	0.64	2.54	-0.17	1.63	0.53	-0.43	3.33	0.	0.
39	1.54	0.63	3.33	0.03	1.03	0.56	0.73	4.02	0.	0.
40	2.13	0.33	3.83	0.43	0.63	0.56	0.92	3.52	0.	0.
41	2.43	0.13	4.33	0.63	0.53	0.72	1.12	3.22	0.	0.
42	2.53	-0.07	4.63	0.82	0.42	1.02	1.42	2.92	0.	0.
43	2.63	-0.27	4.62	0.92	0.32	1.22	1.72	2.52	0.	0.
44	2.23	-0.38	4.62	0.92	0.52	1.32	2.12	2.51	0.	0.
45	1.82	-0.18	4.02	0.92	0.92	1.22	2.31	2.41	0.	0.
46	1.02	0.12	3.62	0.92	1.01	1.21	2.41	2.31	0.	0.
47	0.12	0.52	3.02	1.01	1.31	0.91	2.41	2.31	0.	0.
48	-0.38	0.62	2.61	1.21	1.31	0.91	2.41	2.11	0.	0.
49	-0.48	1.11	2.61	1.21	1.41	0.91	2.21	1.60	0.	0.
50	-0.99	1.31	2.51	1.21	1.41	0.81	2.00	1.10	0.	0.



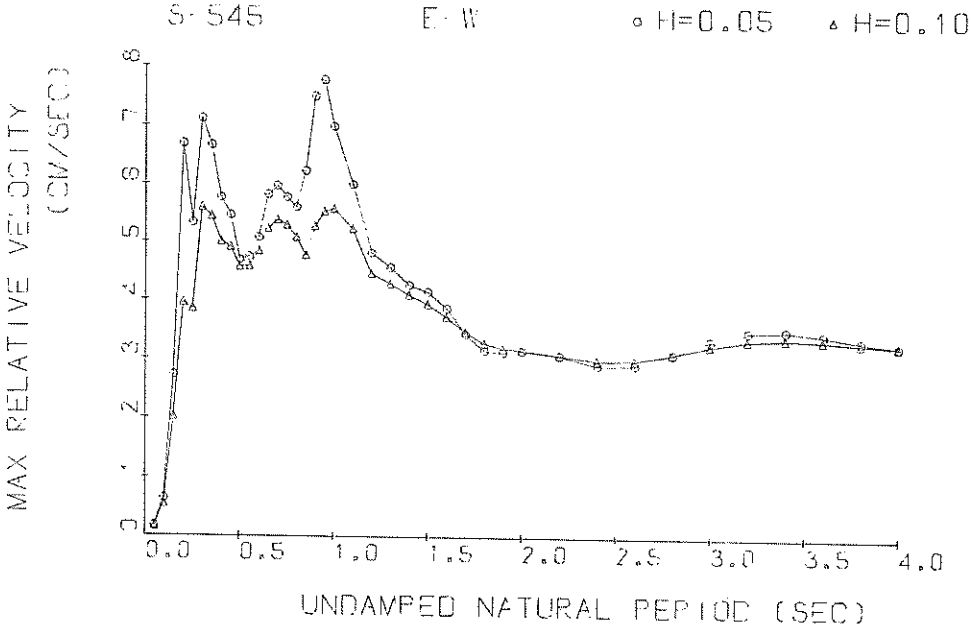
Response Spectra



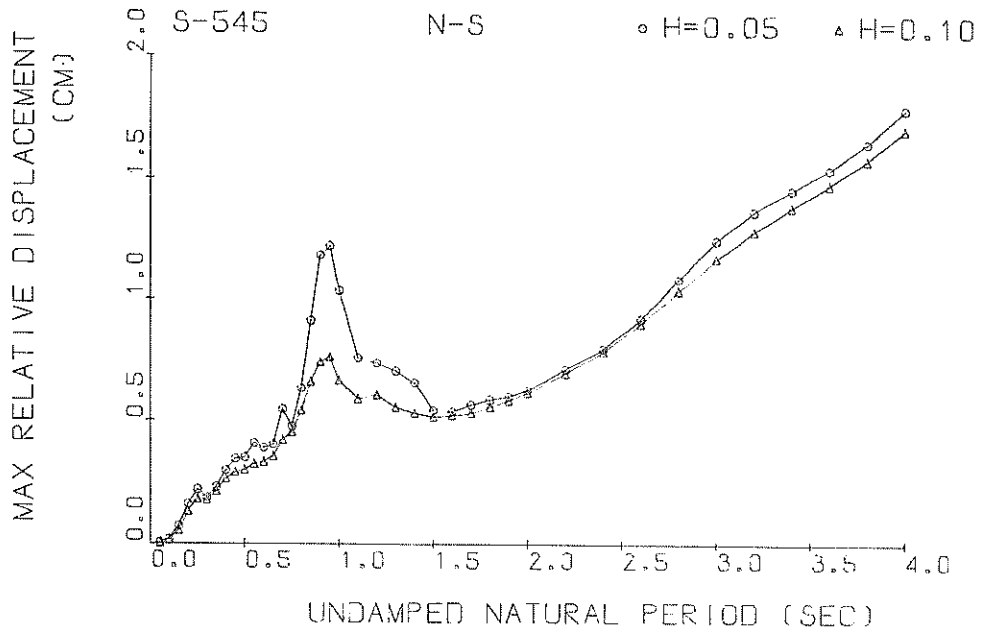
Response Spectra



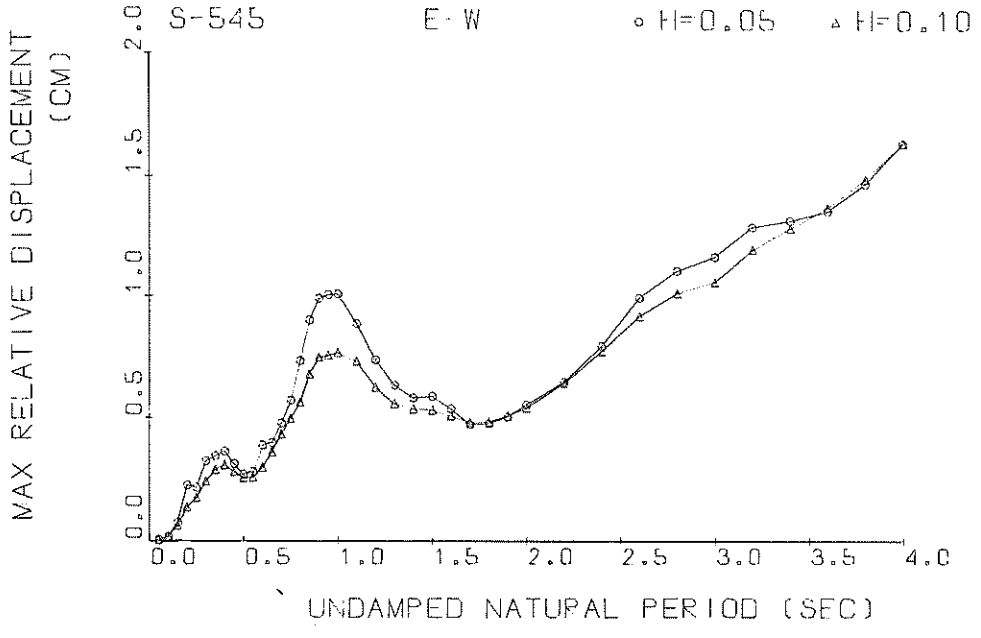
Response Spectra



Response Spectra



Response Spectra



Response Spectra

RESPONSE SPECTRUM

RECORD = S-545 N-S 1970-07-26-16-10
STATION = HOSOSHIMA-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =20.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 48.51(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.152	55.89	17.66	0.190	0.0035
0.100	1.262	62.18	46.87	0.769	0.0157
0.150	2.606	126.41	118.38	2.883	0.0721
0.200	3.256	157.96	172.79	5.142	0.1602
0.250	2.867	139.04	144.57	5.467	0.2186
0.300	1.708	82.84	96.32	3.678	0.1876
0.350	1.527	74.08	88.71	4.203	0.2284
0.400	1.519	73.69	99.80	4.318	0.2975
0.450	1.385	67.19	79.49	4.977	0.3433
0.500	1.136	55.09	74.33	4.918	0.3477
0.550	1.099	53.31	80.27	5.092	0.4070
0.600	0.878	42.58	73.69	4.029	0.3864
0.650	0.777	37.68	70.37	3.817	0.4016
0.700	0.911	44.21	65.01	4.948	0.5461
0.750	0.690	33.45	61.05	4.034	0.4743
0.800	0.805	39.07	58.87	4.932	0.6301
0.850	1.030	49.94	62.44	6.446	0.9091
0.900	1.196	58.00	62.93	8.891	1.1834
0.950	1.109	53.80	63.24	8.500	1.2230
1.000	0.849	41.16	64.22	7.299	1.0344
1.100	0.511	24.81	53.85	5.664	0.7586
1.200	0.420	20.35	56.05	4.687	0.7350
1.300	0.339	16.46	52.40	3.968	0.7014
1.400	0.275	13.35	52.18	3.992	0.6545
1.500	0.201	9.74	51.51	3.577	0.5424
1.600	0.175	8.48	50.56	3.143	0.5382
1.700	0.162	7.84	49.97	2.872	0.5668
1.800	0.149	7.25	49.48	2.888	0.5863
1.900	0.137	6.65	48.91	2.881	0.5991
2.000	0.129	6.27	48.40	2.823	0.6248
2.200	0.122	5.91	47.82	2.695	0.7118
2.400	0.115	5.57	47.41	2.620	0.7988
2.600	0.113	5.48	46.99	2.691	0.9210
2.800	0.115	5.58	46.82	2.811	1.0887
3.000	0.115	5.59	46.91	2.809	1.2509
3.200	0.111	5.39	47.08	2.781	1.3726
3.400	0.105	5.09	47.19	2.941	1.4622
3.600	0.099	4.80	47.21	2.998	1.5469
3.800	0.095	4.59	47.17	3.022	1.6551
4.000	0.092	4.48	47.12	3.042	1.7955

RESPONSE SPECTRUM

RECORD = S-545 N-S 1970-07-26-16-10
STATION = HOSOSHIMA-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =20.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX,GROUND ACC.= 48.51(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.040	50.43	13.41	0.162	0.0032
0.100	1.207	58.55	37.80	0.661	0.0147
0.150	1.882	91.29	84.88	2.110	0.0519
0.200	2.689	130.42	125.07	3.465	0.1312
0.250	2.407	116.73	116.83	4.286	0.1813
0.300	1.643	79.68	90.96	5.324	0.1776
0.350	1.451	70.40	84.35	5.287	0.2130
0.400	1.356	65.80	81.40	5.944	0.2608
0.450	1.189	57.66	71.89	4.393	0.2894
0.500	0.988	47.92	69.74	4.504	0.2990
0.550	0.879	42.66	72.18	4.414	0.3230
0.600	0.766	37.14	70.00	5.896	0.3299
0.650	0.693	33.61	67.00	5.498	0.3538
0.700	0.707	34.28	63.68	5.618	0.4187
0.750	0.670	32.47	60.97	5.640	0.4538
0.800	0.702	34.03	59.76	4.052	0.5400
0.850	0.759	36.82	60.17	5.037	0.6586
0.900	0.760	36.89	59.97	5.624	0.7392
0.950	0.702	34.03	58.50	5.347	0.7606
1.000	0.559	27.09	57.01	4.886	0.6662
1.100	0.411	19.95	54.46	4.518	0.5876
1.200	0.358	17.36	53.18	5.910	0.6060
1.300	0.280	13.57	52.48	5.291	0.5556
1.400	0.229	11.09	51.97	5.376	0.5313
1.500	0.200	9.71	51.67	5.182	0.5168
1.600	0.180	8.71	50.68	2.907	0.5203
1.700	0.164	7.93	50.11	2.813	0.5316
1.800	0.150	7.28	49.61	2.807	0.5582
1.900	0.139	6.76	49.13	2.789	0.5836
2.000	0.132	6.40	48.71	2.754	0.6147
2.200	0.123	5.98	48.10	2.663	0.6949
2.400	0.118	5.71	47.67	2.575	0.7874
2.600	0.115	5.58	47.34	2.521	0.9025
2.800	0.114	5.55	47.16	2.589	1.0389
3.000	0.113	5.48	47.15	2.583	1.1763
3.200	0.110	5.32	47.20	2.540	1.2891
3.400	0.105	5.09	47.25	2.697	1.3884
3.600	0.100	4.86	47.26	2.782	1.4864
3.800	0.096	4.67	47.25	2.825	1.5847
4.000	0.093	4.52	47.24	2.845	1.7100

RESPONSE SPECTRUM

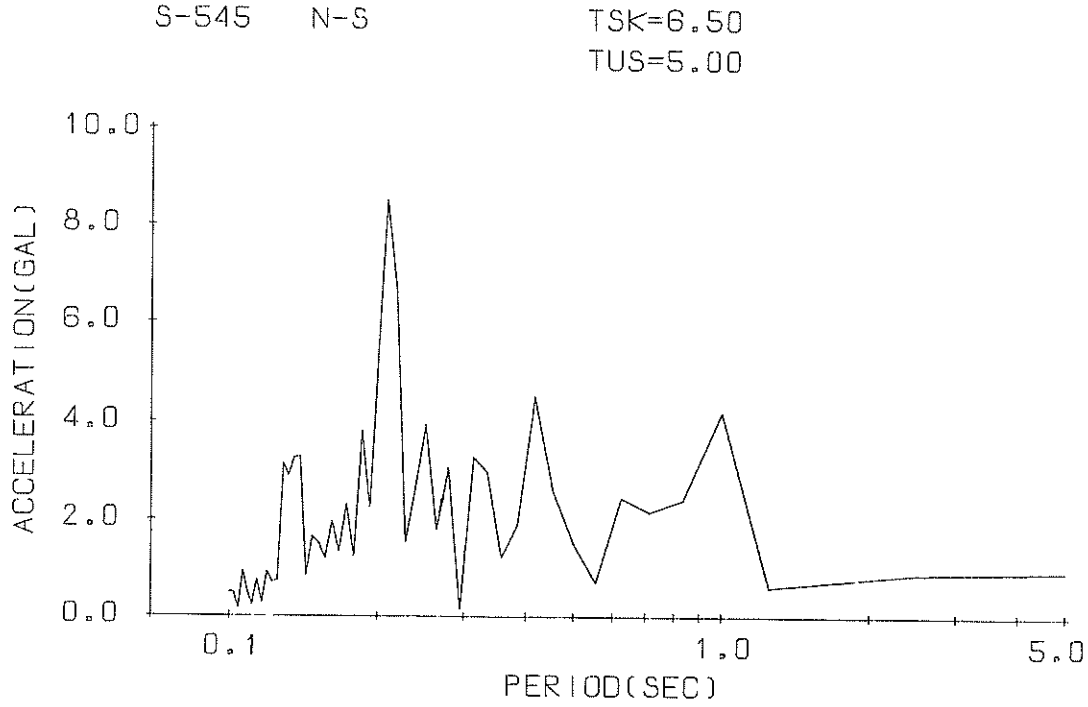
RECORD = S-545 E-W 1970-07-26-16-10
STATION = HOSOSHIMA-S INPUT SIGNAL = GR,ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =20.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 48.79(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.080	52.70	14.41	0.165	0.0063
0.100	1.357	66.22	31.60	0.644	0.0168
0.150	2.694	131.44	104.24	2.720	0.0747
0.200	4.589	223.89	213.54	6.684	0.2250
0.250	2.776	135.42	148.97	5.382	0.2140
0.300	2.887	140.83	161.77	7.111	0.3209
0.350	2.267	110.60	144.55	6.659	0.3420
0.400	1.837	89.60	128.25	5.765	0.3605
0.450	1.249	60.92	96.97	5.460	0.3095
0.500	0.873	42.59	78.48	4.684	0.2678
0.550	0.748	36.49	70.95	4.742	0.2782
0.600	0.872	42.53	70.48	5.076	0.3854
0.650	0.761	37.12	68.07	5.820	0.3951
0.700	0.769	38.48	75.29	5.909	0.4748
0.750	0.822	40.09	76.41	5.772	0.5681
0.800	0.928	45.29	80.06	5.598	0.7295
0.850	1.011	49.33	79.71	6.228	0.8960
0.900	0.993	48.47	82.76	7.491	0.9873
0.950	0.901	43.95	81.59	7.766	1.0018
1.000	0.818	39.89	77.26	6.980	1.0047
1.100	0.595	29.04	66.52	5.994	0.8817
1.200	0.414	20.18	62.98	4.815	0.7368
1.300	0.305	14.86	59.01	4.558	0.6286
1.400	0.241	11.77	56.07	4.252	0.5780
1.500	0.213	10.38	54.14	4.142	0.5840
1.600	0.171	8.33	52.92	3.859	0.5324
1.700	0.133	6.49	51.74	3.418	0.4701
1.800	0.120	5.83	50.57	3.156	0.4781
1.900	0.114	5.56	50.77	3.119	0.5007
2.000	0.113	5.52	50.68	3.149	0.5487
2.200	0.109	5.34	50.06	3.066	0.6418
2.400	0.113	5.51	49.90	2.908	0.7885
2.600	0.121	5.88	50.16	2.911	0.9887
2.800	0.116	5.65	50.32	3.095	1.1010
3.000	0.105	5.15	50.14	3.325	1.1604
3.200	0.103	5.02	49.69	3.472	1.2869
3.400	0.093	4.54	49.20	3.492	1.3107
3.600	0.086	4.18	48.81	3.419	1.3516
3.800	0.083	4.07	48.59	3.317	1.4645
4.000	0.084	4.09	48.51	3.257	1.6312

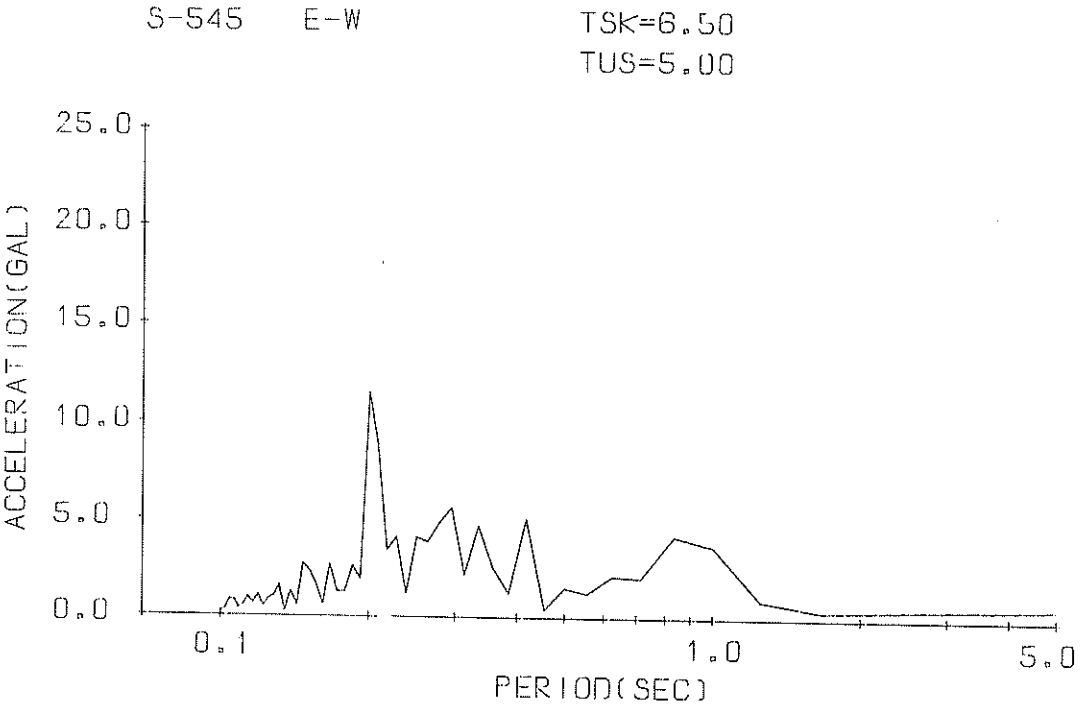
RESPONSE SPECTRUM

RECORD = S-545 E-W 1970-07-26-16-10
STATION = HOSOSHIMA-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =20.0000(SEC) SKIPPED LENGTH = 0, (SEC)
DAMPING COEFFICIENT = 0.100 MAX,GROUND ACC,= 48.79(GAL)

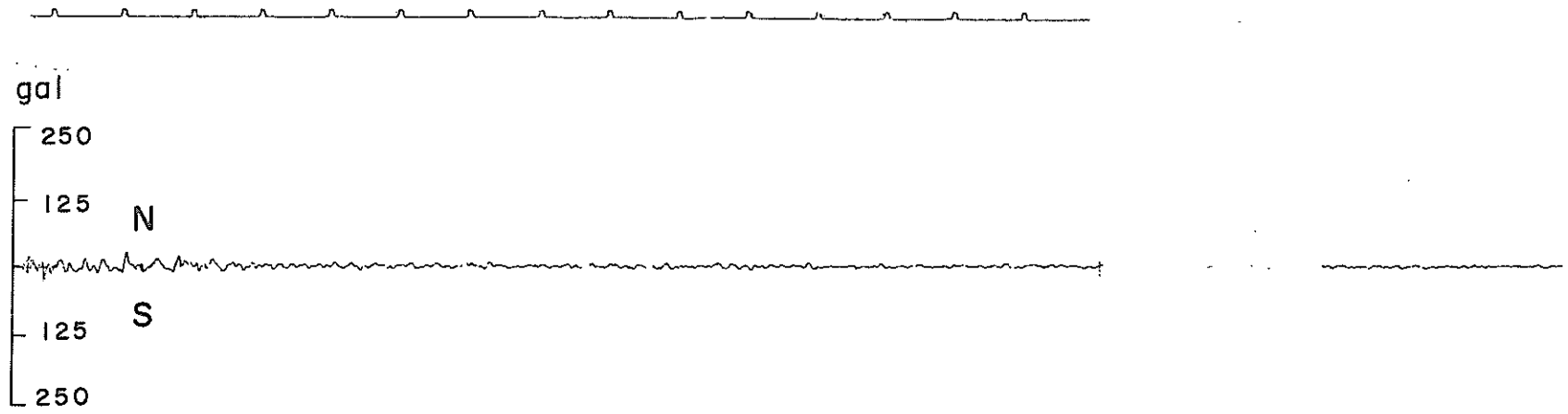
PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.053	51.35	12.51	0.161	0.0032
0.100	1.292	63.05	26.60	0.545	0.0158
0.150	2.186	106.65	79.45	2.020	0.0590
0.200	2.724	132.88	127.55	3.946	0.1363
0.250	2.264	110.47	101.49	3.842	0.1726
0.300	2.194	107.03	121.68	5.592	0.2383
0.350	1.937	94.53	124.18	5.438	0.2859
0.400	1.582	77.18	115.35	5.007	0.3041
0.450	1.147	55.97	94.62	4.912	0.2770
0.500	0.852	41.57	79.82	4.570	0.2535
0.550	0.708	34.52	72.23	4.582	0.2553
0.600	0.680	33.19	67.74	4.843	0.2944
0.650	0.697	34.02	65.36	5.234	0.3572
0.700	0.725	35.37	69.78	5.378	0.4296
0.750	0.726	35.41	72.49	5.294	0.4923
0.800	0.724	35.30	74.60	5.080	0.5584
0.850	0.776	37.88	75.75	4.765	0.6722
0.900	0.764	37.29	76.55	5.274	0.7411
0.950	0.690	33.68	75.81	5.560	0.7499
1.000	0.625	30.49	73.46	5.571	0.7610
1.100	0.503	24.55	67.46	5.227	0.7258
1.200	0.366	17.83	62.70	4.456	0.6198
1.300	0.287	14.01	59.27	4.272	0.5510
1.400	0.233	11.34	56.62	4.089	0.5300
1.500	0.197	9.63	54.63	3.924	0.5259
1.600	0.167	8.17	52.93	3.713	0.5035
1.700	0.142	6.92	51.81	3.459	0.4782
1.800	0.127	6.19	51.32	3.274	0.4785
1.900	0.123	6.00	51.10	3.187	0.5037
2.000	0.119	5.79	50.89	3.150	0.5357
2.200	0.113	5.50	50.42	3.070	0.6352
2.400	0.114	5.59	50.20	2.985	0.7679
2.600	0.116	5.66	50.21	2.993	0.9107
2.800	0.111	5.43	50.20	3.100	1.0063
3.000	0.101	4.92	50.03	3.237	1.0525
3.200	0.098	4.78	49.72	3.364	1.1885
3.400	0.094	4.57	49.37	3.362	1.2775
3.600	0.090	4.37	49.07	3.336	1.3667
3.800	0.087	4.26	48.86	3.267	1.4850
4.000	0.086	4.22	48.73	3.244	1.6310

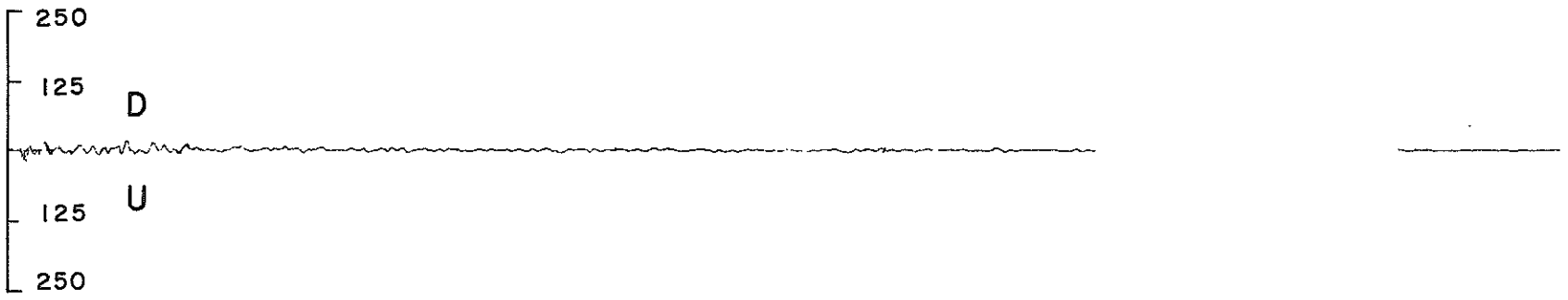


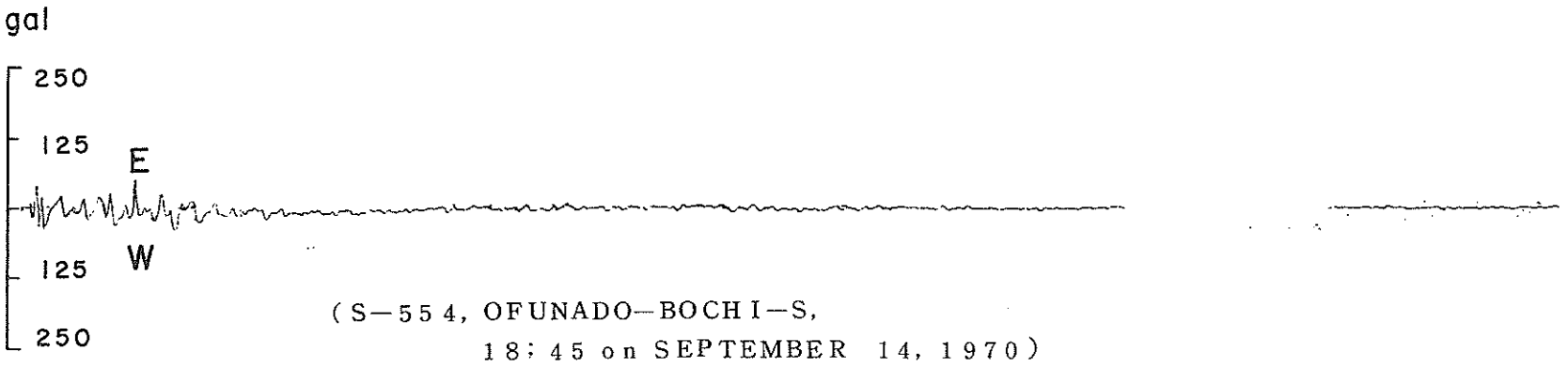
Fourier Spectrum



Fourier Spectrum







(S—554, OFUNADO—BOCHI—S,
18; 45 on SEPTEMBER 14, 1970)

RECORD=S=554 COMPONENT=N=S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=OFUNADO-BOCHI-S
DATE AND TIME=1970-09-14-18-45 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 1500

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.	0.70	-4.99	22.43	3.60	1.40	4.10	4.50	0.40	2.50
2	0.	8.34	-3.00	23.21	2.20	-0.40	4.70	3.40	0.80	0.80
3	0.	11.24	-0.90	20.37	0.50	-5.43	5.70	2.80	1.40	-1.50
4	0.	12.52	1.70	13.57	-0.50	-9.79	5.99	2.20	2.10	-2.70
5	0.	13.05	1.50	5.58	-2.00	-9.21	4.89	2.20	3.20	-3.00
6	0.00	14.33	-1.40	2.50	-4.51	-4.39	2.79	3.10	2.60	-3.00
7	0.10	12.60	-3.31	1.80	-6.50	-2.20	-0.80	2.30	1.70	-4.00
8	-0.00	9.75	-6.02	0.60	-6.50	-0.20	-0.60	0.10	-0.00	-4.50
9	-15.90	7.35	-8.03	0.50	-6.40	1.60	0.00	-2.71	-1.70	-5.20
10	-23.00	2.99	-10.17	0.50	-5.90	1.50	1.80	-6.00	-3.40	-5.19
11	-22.81	-1.50	-8.96	-0.10	-5.71	2.10	3.10	-5.99	-5.30	-3.60
12	-14.38	-5.92	-6.36	-0.90	-6.82	1.30	4.20	-4.89	-5.39	-3.30
13	-1.50	-8.59	-2.00	-2.60	-9.20	-0.50	3.70	-2.40	-4.39	-2.90
14	8.37	-8.18	2.91	-4.51	-14.79	-4.00	2.90	-1.30	-3.00	-2.10
15	12.99	-6.58	6.33	-6.21	-16.75	-4.99	1.50	0.20	-1.90	-0.50
16	12.69	-4.69	9.94	-7.10	-17.64	-2.70	-2.20	0.60	-1.50	-0.10
17	9.46	-2.10	11.91	-7.21	-17.84	-0.60	-5.51	1.80	-1.50	0.60
18	7.27	1.90	12.02	-7.69	-12.62	0.70	-7.39	3.40	-1.10	1.10
19	4.59	6.60	9.54	-7.18	-4.68	3.10	-6.49	2.90	-1.20	2.20
20	2.30	6.97	6.58	-5.59	-1.10	5.52	-4.89	2.50	-1.70	3.40
21	-0.20	3.79	4.49	-3.79	0.70	8.84	-2.40	3.00	-1.70	4.20
22	-4.81	1.30	2.30	-1.10	2.61	11.41	-1.20	2.50	-2.20	4.30
23	-6.88	-1.60	0.60	-0.20	7.04	11.76	-0.70	2.00	-0.90	3.50
24	-4.48	-3.71	-1.10	0.90	11.05	10.54	-1.50	0.80	0.00	1.80
25	-0.40	-6.01	-1.40	-0.60	10.47	7.88	-1.10	0.10	0.70	-0.10
26	8.49	-7.00	-3.41	-4.72	15.81	6.70	-0.90	-1.70	1.60	-1.20
27	14.35	-7.00	-6.82	-9.34	12.32	6.19	0.70	-3.50	1.70	-1.20
28	17.57	-7.00	-8.71	-11.41	6.87	4.49	3.40	-4.80	1.80	-0.40
29	16.86	-7.09	-9.28	-11.74	3.59	2.70	4.61	-4.60	0.40	-0.30
30	12.78	-6.50	-8.38	-9.61	-0.30	1.50	6.00	-4.40	-0.60	-1.70
31	1.49	-5.99	-7.19	-5.00	-0.90	-0.00	5.99	-4.60	-2.50	-3.41
32	-10.37	-4.99	-6.39	-4.89	3.31	-1.50	5.10	-4.09	-4.00	-6.01
33	-24.62	-3.60	-5.10	-3.60	6.31	-2.70	4.69	-2.70	-4.10	-6.91
34	-18.51	-2.90	-4.20	-4.00	7.71	-4.31	2.00	-0.70	-3.10	-8.21
35	-7.54	-2.90	-3.10	-5.10	8.27	-6.01	-1.20	1.50	-2.00	-8.77
36	-2.59	-3.40	-3.00	-4.69	6.18	-6.81	-2.70	2.30	-0.60	-6.77
37	2.10	-3.60	-3.60	-2.90	4.20	-7.52	-2.60	1.70	-0.20	-3.99
38	6.09	-1.80	-3.70	-0.60	3.10	-8.81	-0.40	0.80	0.30	-2.20
39	5.07	1.10	-4.01	2.00	1.60	-9.48	1.70	1.70	-0.90	-0.40
40	-0.20	7.46	-5.81	3.20	1.60	-8.58	2.20	1.70	-2.40	1.70
41	-6.23	12.14	-7.21	2.80	2.80	-7.38	2.70	1.20	-2.90	0.30
42	-10.05	13.37	-8.30	2.71	4.70	-6.09	2.20	-0.20	-2.20	-0.90
43	-7.77	12.41	-8.49	8.62	4.00	-4.29	1.00	-1.70	-0.90	-2.20
44	-5.28	9.67	-7.71	9.83	2.70	-2.99	-0.10	-3.00	-0.20	-3.00
45	-2.50	3.49	-8.74	11.39	0.60	1.10	-1.40	-2.30	1.60	-3.10
46	-0.20	-1.80	-10.91	11.07	-1.30	1.10	-1.00	-1.00	3.50	-3.10
47	1.20	-4.40	-10.91	9.78	-2.50	2.30	0.40	-0.80	4.70	-2.60
48	4.80	-5.41	-8.57	8.57	-1.20	2.40	2.90	-0.50	5.39	-2.00
49	3.99	-7.00	5.67	6.88	2.30	2.40	4.30	0.50	4.40	-0.40
50	1.60	-6.68	16.56	5.19	3.10	3.30	5.00	0.70	3.20	0.50

RECORD=S=554 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=OFUNADO-BOCHI-S
DATE AND TIME=1970-09-14-18-45 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 1500

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	1,50	2,40	-2,80	-3,60	-3,20	-4,00	-3,00	-1,60	-0,50	-2,40
2	1,50	2,50	-2,70	-3,00	-3,30	-3,20	-2,70	-1,70	-1,40	-3,20
3	2,50	4,00	-2,30	-3,00	-3,20	-2,40	-2,60	-1,90	-2,40	-2,90
4	3,50	5,31	-2,20	-3,00	-3,30	-1,60	-2,00	-2,70	-3,80	-2,40
5	4,60	6,29	-1,90	-3,40	-3,30	-1,30	-1,00	-3,00	-4,50	-2,00
6	4,70	5,59	-1,60	-4,30	-3,50	-0,60	-0,60	-2,40	-4,60	-1,30
7	4,20	4,30	-1,20	-5,00	-3,60	0,00	-0,40	-1,50	-4,60	-0,90
8	3,00	3,20	-0,40	-5,71	-3,20	0,60	0,10	-0,70	-4,00	-1,20
9	2,00	2,20	-0,60	-7,19	-3,20	0,70	0,80	-0,30	-3,60	-2,00
10	1,90	-0,00	-1,80	-6,69	-3,20	0,50	2,50	-0,00	-3,60	-2,60
11	2,10	-1,80	-4,81	-5,29	-3,40	0,50	3,80	-0,20	-4,10	-2,20
12	2,00	-4,10	-6,30	-3,20	-3,40	0,40	4,70	-0,30	-4,70	-1,70
13	1,40	-4,00	-5,99	-1,70	-3,00	-0,30	4,20	-0,90	-3,70	-1,50
14	1,10	-4,40	-5,09	0,70	-2,90	-1,00	3,40	-1,30	-2,70	-1,00
15	1,30	-3,80	-4,10	3,10	-2,50	-2,20	2,20	-1,80	-1,60	-0,60
16	2,00	-3,20	-3,60	3,50	-1,20	-2,30	-0,00	-2,30	-0,50	-0,50
17	1,90	-2,20	-3,20	4,10	-0,50	-1,70	-0,80	-2,30	0,90	-0,10
18	1,30	-2,50	-3,10	3,50	0,20	-0,90	-1,30	-2,70	2,90	0,30
19	0,30	-2,20	-3,10	2,40	0,80	0,60	-0,60	-3,70	4,00	0,30
20	-1,00	-2,10	-2,20	1,10	0,70	1,60	-0,60	-4,80	4,90	0,30
21	-2,30	-1,80	-1,70	-0,20	0,60	1,70	-0,20	-4,90	4,30	0,10
22	-3,30	-1,70	-2,00	-2,20	0,50	1,80	-0,20	-4,90	3,20	-0,20
23	-3,70	-1,00	-2,50	-2,80	0,50	2,30	-0,00	-4,79	1,20	-0,50
24	-2,70	-0,70	-2,70	-2,00	0,50	2,60	-0,20	-3,60	-0,60	-1,40
25	-1,40	-0,10	-1,60	-1,40	0,50	3,30	0,10	-2,90	-1,80	-2,10
26	-0,40	0,60	-0,50	-0,10	0,50	3,60	-0,20	-1,70	-3,71	-2,70
27	-0,60	1,00	0,80	-0,40	0,50	4,50	-1,20	1,70	-5,60	-2,40
28	-1,50	1,30	1,80	-1,00	0,10	3,60	-2,00	2,40	-5,20	-1,70
29	-2,70	1,00	1,90	-0,70	0,10	2,40	-2,50	1,90	-4,60	-0,60
30	-4,70	0,40	1,90	-0,30	0,	0,70	-2,60	1,50	-3,70	-0,00
31	-4,29	-0,20	1,90	0,20	-0,00	-0,30	-2,50	1,40	-3,00	-0,60
32	-3,00	-1,20	1,90	0,60	-0,50	-2,00	-1,80	1,00	-2,60	-1,60
33	-2,30	-2,10	1,50	0,10	-1,20	-3,60	-0,70	0,50	-1,50	-2,60
34	-1,30	-2,10	1,10	-1,00	-1,50	-3,90	-0,40	-0,00	-0,50	-2,50
35	-0,10	-1,70	0,70	-2,90	-1,60	-3,10	0,10	-0,70	-1,00	-1,00
36	1,20	-0,50	0,40	-4,91	-1,00	-1,90	1,50	-1,50	-2,00	0,20
37	1,90	0,70	-0,30	-6,40	0,00	-0,60	2,30	-1,50	-2,00	1,20
38	1,90	2,10	-0,40	-6,40	1,40	0,80	3,70	-1,80	-1,10	2,20
39	1,90	2,10	0,50	-6,89	2,20	1,80	3,60	-2,20	-0,40	2,40
40	1,90	2,60	1,20	-6,39	2,40	1,00	2,90	-2,60	0,40	2,90
41	2,10	3,90	2,50	-5,50	1,90	-0,40	2,40	-2,90	0,10	3,50
42	2,10	4,20	2,60	-5,10	1,60	-1,20	1,10	-2,20	-0,70	3,50
43	2,10	3,60	2,00	-5,10	1,80	-2,20	0,60	-1,80	-1,20	4,00
44	2,10	3,40	-0,40	-5,10	1,40	-2,10	1,90	-1,60	-1,00	4,40
45	1,50	3,00	-1,70	-4,70	0,70	-2,10	2,70	-0,80	-0,30	3,80
46	0,50	2,20	-1,70	-4,40	-0,00	-2,10	3,50	0,00	-0,00	3,10
47	-0,60	0,90	-1,30	-4,00	-0,80	-2,10	2,80	0,90	-0,30	2,20
48	0,10	-1,00	-1,50	-3,40	-1,60	-2,40	1,40	1,50	-0,90	-0,40
49	0,40	-2,10	-2,10	-3,10	-2,60	-3,00	-0,50	1,50	-1,30	-2,50
50	1,30	-2,80	-3,30	-3,10	-3,70	-2,90	-1,60	0,50	-1,60	-4,10

RECORD=S-554 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ARC,ERR, STATION=OFUNADO-BOCHI-S
DATE AND TIME=1970-09-14-18-45 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 1500

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	+4,20	+2,10	1,40	0,40	-0,00	0,40	+1,40	+0,90	-1,00	0,90
2	+4,70	+1,70	1,70	0,80	-0,30	0,40	+0,80	+1,80	0,70	0,50
3	+4,80	+0,80	1,40	1,70	-0,40	0,60	+0,80	+1,70	2,20	0,40
4	+5,20	0,00	0,30	1,80	-0,60	0,70	+0,60	+1,60	3,10	0,40
5	+5,20	0,60	0,30	1,40	-1,00	0,70	+0,60	+1,40	3,70	0,50
6	+4,70	0,40	0,30	0,80	-1,50	1,00	+0,60	-1,60	4,20	0,40
7	+3,80	-0,20	0,30	+0,40	+2,50	0,90	+0,70	+1,40	4,30	0,10
8	+3,10	+1,20	0,30	+1,00	-2,60	0,80	+0,90	-1,50	3,70	-0,20
9	+1,50	+1,90	0,40	+1,00	-2,60	0,50	+1,00	+1,50	2,80	+0,60
10	0,30	+1,60	0,70	+0,60	-2,40	-0,20	+0,90	+1,50	2,30	-1,50
11	1,90	+1,60	1,40	0,50	+2,60	+1,20	+0,80	+1,60	1,20	-2,00
12	2,90	+1,60	1,20	0,40	+1,30	+1,60	+0,80	+1,60	-0,30	-2,30
13	3,00	+1,60	+0,20	0,40	+0,60	+1,60	+0,70	+2,20	-1,60	-2,30
14	2,70	+1,60	+1,00	0,40	0,00	+0,90	+0,60	+2,20	-2,80	-2,00
15	2,30	+0,40	-2,20	0,40	0,50	0,00	+0,50	+2,30	+3,20	+1,50
16	1,10	0,30	+2,50	0,40	0,40	0,50	+0,40	+1,80	+3,30	+1,00
17	0,10	0,90	+1,80	0,60	0,20	0,60	+0,20	+0,90	+3,10	+0,30
18	+0,00	2,00	0,00	0,60	+1,00	0,70	+0,20	0,90	+3,10	+0,10
19	+0,20	3,30	1,50	0,60	+1,50	0,70	+0,20	0,80	+2,70	+0,10
20	+0,40	3,40	3,61	0,60	+1,20	0,60	+0,20	0,50	+2,50	0,00
21	+0,90	2,80	5,90	0,40	+0,60	0,60	+0,40	0,10	+2,10	0,40
22	+2,20	2,00	6,20	0,10	0,50	0,60	+1,30	+1,20	+1,60	0,70
23	+4,41	+0,00	5,59	+0,40	2,10	0,50	+2,00	+1,40	+1,40	0,60
24	+6,10	+0,10	4,70	+0,80	3,00	0,60	+2,40	+2,20	+1,40	+0,00
25	+6,29	+0,10	4,30	+0,80	4,50	0,60	+2,60	+3,00	+1,40	+0,70
26	+4,59	+0,00	3,09	+0,60	4,00	0,60	+2,50	+3,30	+2,00	+1,20
27	+3,40	+0,30	+0,60	+0,10	3,00	1,00	+2,20	+3,00	+2,40	+1,20
28	+2,70	+0,80	+2,30	0,20	1,50	1,30	+1,70	+2,80	+2,90	+1,00
29	+2,00	+1,50	+3,20	0,30	0,10	1,70	+1,00	+2,80	+3,60	+0,60
30	+1,60	+1,60	+3,20	0,40	+1,60	1,90	0,30	+2,70	+2,90	+0,50
31	+0,70	+1,30	+3,60	0,40	-2,10	2,30	1,50	+2,60	+2,30	+0,40
32	0,90	+0,40	+3,20	0,50	+3,00	2,90	2,20	-2,50	-1,50	0,10
33	1,20	1,40	+2,00	0,40	+2,60	2,80	1,60	+1,80	0,00	0,40
34	0,90	3,00	+0,70	0,60	+2,00	2,70	1,00	-0,80	0,40	0,60
35	+0,00	2,70	0,60	0,60	+1,20	1,90	0,10	+0,40	0,60	0,90
36	+1,00	2,10	0,40	0,70	+1,00	1,00	+0,40	+0,40	0,80	1,20
37	+2,10	1,00	+0,50	0,50	+1,20	+0,00	+0,60	+0,40	1,20	0,90
38	+2,80	0,20	+1,10	+2,20	+1,50	+0,10	+0,50	0,30	1,50	0,50
39	+4,71	+1,20	+1,20	+3,80	+2,00	+0,10	+0,30	0,50	1,90	0,40
40	+6,50	+1,30	+1,20	+4,00	+2,70	+0,20	+0,20	0,60	2,20	0,80
41	+6,19	+1,30	+1,10	+3,90	+3,00	+0,10	0,20	0,40	2,20	1,60
42	+5,10	+1,40	+0,80	+3,70	+3,00	+0,20	0,60	0,20	2,20	2,20
43	+4,49	+2,20	+0,10	+3,00	+3,00	+0,60	0,90	+0,70	2,20	2,70
44	+2,90	+2,30	0,30	+2,70	+2,50	+1,30	1,60	+1,20	2,20	2,80
45	+1,20	+1,70	0,40	+2,00	+2,60	+1,30	1,90	+2,00	2,00	2,70
46	0,90	+1,40	0,40	+1,40	+2,50	+0,90	2,10	+2,30	1,80	2,50
47	1,60	+1,00	0,40	+1,10	+2,00	+0,50	2,10	+2,20	1,60	2,30
48	1,00	+0,20	0,10	+0,60	+1,40	+0,40	1,90	+2,20	1,50	1,30
49	+0,30	0,50	0,10	+0,10	+0,40	+1,00	1,20	+2,40	1,40	0,70
50	-1,50	1,10	0,10	0.	0,30	-1,30	0,20	+2,10	1,20	0,50

RECORD=S-554 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=OFUNATO-BOCHI-S
DATE AND TIME=1970-09-14-18-45 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 1500

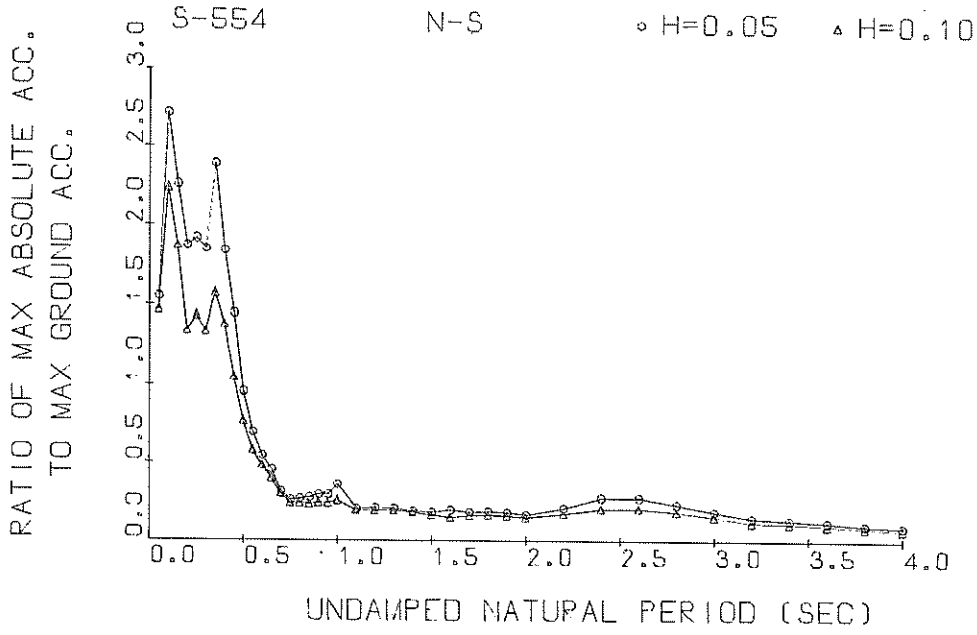
NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-0.00	7.22	-15.18	-13.10	-9.53	5.56	-10.86	-6.27	-9.72	-11.10
2	-0.00	6.00	-14.16	-10.65	-3.23	1.18	-10.08	-9.64	-10.71	-12.58
3	-0.00	1.13	-12.67	-9.05	7.87	-5.26	-5.76	-14.91	-11.11	-12.93
4	-0.01	-3.27	-11.10	-1.39	17.00	-13.49	-6.57	-18.27	-11.21	-12.04
5	-0.01	-2.47	-9.91	4.11	19.65	-20.36	-0.18	-18.63	-11.20	-11.11
6	-0.01	-1.07	-8.82	4.09	23.16	-22.94	0.22	-18.40	-10.78	-8.93
7	-0.01	0.83	-8.01	1.30	23.37	-23.93	0.22	-17.78	-9.79	-6.85
8	-0.01	3.33	-6.11	-3.62	17.75	-24.02	-1.09	-16.74	-8.70	-4.67
9	-0.01	5.56	-3.53	-12.57	9.61	-23.95	-5.00	-14.90	-8.31	-4.88
10	-0.01	9.98	-2.13	-17.53	3.22	-23.32	-7.12	-11.82	-8.32	-5.38
11	-23.33	12.87	1.86	-17.76	-5.09	-22.43	-10.23	-10.83	-9.02	-5.58
12	-34.67	16.89	3.57	-15.67	-10.02	-21.40	-12.00	-9.83	-9.62	-5.57
13	-41.41	19.36	8.59	-12.57	-12.68	-19.11	-12.18	-8.64	-9.62	-4.98
14	-35.67	18.46	10.40	4.53	-12.95	-16.36	-11.93	-7.95	-9.92	-4.58
15	-19.68	15.86	12.32	11.84	-12.55	-13.37	-9.96	-7.37	-10.09	-3.66
16	-10.22	6.15	14.34	20.73	-11.82	-9.21	-8.33	-8.26	-8.91	-3.58
17	6.46	-1.59	18.40	36.92	-10.02	-7.83	-3.89	-8.46	-8.51	-3.68
18	15.58	-10.41	20.17	45.12	-7.72	-7.43	-2.20	-8.46	-7.61	-3.68
19	21.01	-15.49	19.13	35.95	-3.80	-7.23	-1.00	-8.16	-6.52	-3.59
20	5.11	-15.56	17.50	23.06	-11.09	-6.23	-1.40	-7.96	-6.03	-3.19
21	-5.90	-15.06	15.25	8.05	-19.75	-5.04	-2.10	-7.46	-6.63	-3.09
22	-15.23	-14.45	13.26	-1.22	-28.15	-5.04	-3.81	-6.76	-7.33	-3.59
23	-17.15	-13.55	10.93	-8.47	-34.64	-4.43	-7.52	-5.86	-7.43	-4.60
24	-15.71	-12.44	2.73	-11.93	-38.66	-2.84	-8.63	-4.56	-7.23	-7.12
25	-10.19	-10.95	-4.99	-12.39	-39.25	-1.74	-10.00	-3.27	-6.81	-10.01
26	44.06	-9.07	-11.05	-11.60	-38.01	-0.24	-9.69	-1.77	-4.73	-10.59
27	63.94	-7.73	-14.42	-10.87	-34.54	1.55	-8.88	-1.47	-3.63	-10.38
28	65.78	-2.99	-15.62	-8.91	-27.87	3.97	-6.88	-2.18	-3.64	-9.79
29	44.51	-0.60	-12.85	-8.09	-19.43	8.67	-3.61	-6.91	-4.34	-9.49
30	20.99	1.00	-7.02	-5.79	-14.00	9.64	-2.61	-10.36	-5.24	-9.10
31	-5.66	1.10	-3.25	-0.33	-7.53	9.03	-3.31	-13.91	-6.35	-9.02
32	-32.68	-0.50	3.37	0.87	-2.48	8.12	-3.42	-14.74	-7.55	-10.22
33	-29.71	-2.81	16.68	-0.63	1.61	6.08	-3.62	-13.93	-8.57	-10.80
34	-18.63	-4.41	26.48	-3.73	7.41	-1.66	-3.52	-12.75	-10.16	-10.59
35	4.31	-5.92	22.56	-5.33	7.18	-6.88	-2.52	-11.94	-11.16	-9.79
36	17.12	-7.61	4.09	-5.43	5.09	-9.66	-1.22	-10.45	-11.63	-8.90
37	1.15	-7.70	-6.86	-4.82	2.30	-9.95	-0.42	-9.28	-11.22	-8.40
38	-21.89	-7.09	-15.70	-2.63	1.30	-9.45	0.68	-8.89	-10.23	-7.99
39	-31.57	-5.30	-25.74	0.96	-0.90	-8.78	0.78	-8.86	-9.44	-6.21
40	-36.92	-3.51	-30.22	3.15	-1.60	-9.98	0.08	-8.78	-8.77	-6.62
41	-35.36	-1.01	-29.41	-2.65	-0.30	-10.88	-1.43	-8.27	-9.87	-7.12
42	-31.54	7.84	-28.49	-11.76	2.60	-11.58	-2.43	-7.19	-10.66	-7.52
43	-26.35	11.73	-27.39	-15.90	5.92	-12.17	-3.43	-7.30	-10.85	-7.51
44	-19.68	13.13	-26.06	-18.93	9.53	-12.29	-3.83	-7.70	-10.64	-6.91
45	-15.18	11.80	-23.49	-22.42	11.33	-12.98	-3.03	-8.11	-10.14	-6.21
46	-7.96	9.06	-18.34	-22.12	12.49	-13.16	-2.53	-9.10	-9.23	-5.61
47	-1.16	2.47	-17.71	-20.88	12.49	-12.86	-2.53	-9.20	-7.74	-4.62
48	1.94	-7.49	-16.64	-18.99	12.47	-12.55	-2.74	-9.40	-6.56	-3.32
49	1.94	-12.94	-15.95	-15.73	11.81	-11.96	-3.24	-9.50	-7.08	-1.82
50	4.35	-15.98	-15.28	-13.49	9.12	-11.36	-4.74	-9.41	-8.50	-1.73

RECORD=S-554 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ZERO.ARC STATION=OFUNATO-BOCHI-S
DATE AND TIME=1970-09-14-18-45 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 1500

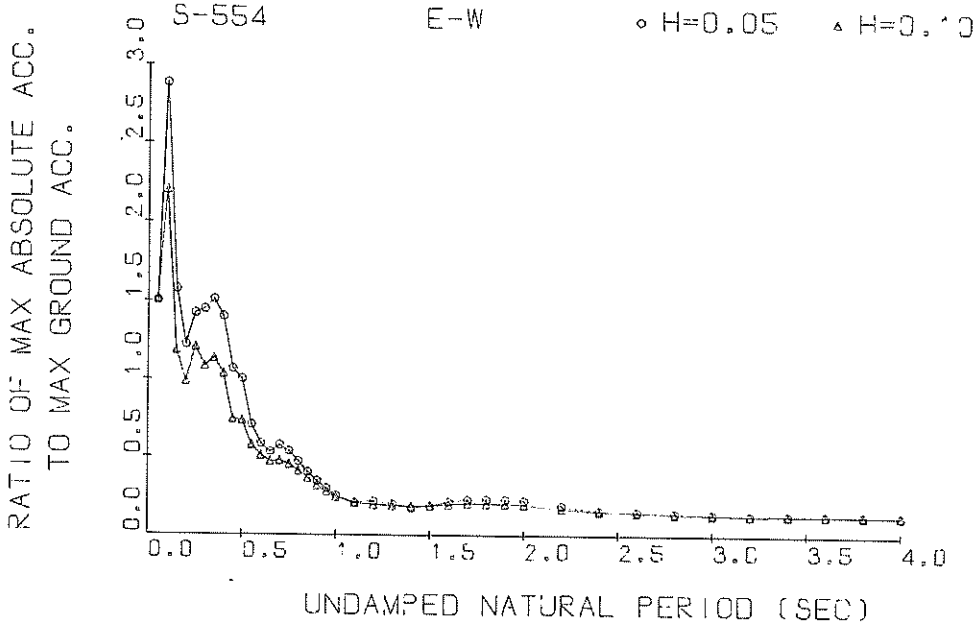
NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-2,23	-0,09	3,75	1,69	3,52	-0,04	1,80	-0,36	2,17	-1,09
2	-3,23	-1,69	2,94	1,69	3,22	3,37	1,10	-1,77	2,27	-0,89
3	-3,73	-2,79	1,15	1,88	2,22	5,67	0,70	-2,57	2,27	-0,69
4	-3,93	-4,09	-0,86	1,98	1,42	7,96	0,70	-1,97	2,27	-0,49
5	-3,83	-4,09	-3,36	1,98	-2,08	8,35	0,69	-0,57	2,47	-0,49
6	-3,83	-3,39	-4,56	1,98	-3,98	6,12	0,89	0,33	2,57	-0,10
7	-3,63	-2,20	-4,76	2,18	-4,58	5,82	1,29	0,93	2,57	0,40
8	-2,83	-1,70	-4,46	3,48	-3,88	1,65	1,49	1,03	2,47	1,30
9	-2,63	-0,50	-3,66	4,38	-2,88	-1,65	1,49	1,43	2,56	2,50
10	-1,64	0,90	-2,96	5,38	-0,59	-3,25	1,39	2,63	2,56	3,20
11	-0,64	1,10	-2,46	6,08	1,41	-3,25	1,29	3,23	2,56	3,80
12	-0,54	0,70	-0,86	6,27	2,71	-3,25	1,19	4,22	2,56	3,90
13	-1,34	0,70	3,24	6,26	4,42	-3,05	1,68	4,12	2,46	3,59
14	-2,64	0,10	4,93	5,46	6,62	-2,35	1,58	4,02	2,26	2,99
15	-3,65	-0,31	4,93	4,67	7,51	0,04	1,48	4,12	1,66	2,59
16	-4,35	-0,71	4,03	4,06	7,50	2,64	1,08	4,12	1,15	1,59
17	-5,25	-0,91	2,63	2,96	7,40	2,84	0,68	3,71	0,85	0,39
18	-5,65	-1,11	2,03	1,86	6,89	2,74	0,68	3,12	0,35	-1,31
19	-6,15	-1,11	0,03	0,16	6,09	2,44	0,68	3,22	-0,05	-2,41
20	-6,25	-1,01	-0,28	-1,04	5,19	2,34	1,48	3,81	0,05	-2,81
21	-6,05	-1,11	-0,18	-1,14	3,69	2,44	2,07	3,61	0,55	-2,81
22	-5,34	-1,12	0,22	-0,94	0,40	3,14	2,37	4,01	1,35	-2,81
23	-4,05	-1,12	0,72	-0,84	-1,00	4,14	3,07	3,51	2,75	-2,62
24	-2,85	-0,72	0,52	-0,54	-2,11	4,53	3,47	3,11	2,74	-2,52
25	-1,86	-0,02	0,22	-0,04	-2,91	4,83	3,07	2,90	2,44	-2,02
26	-1,56	0,08	-0,08	0,26	-2,81	4,83	2,07	1,71	1,04	-1,22
27	-2,56	0,78	-0,38	0,45	-2,91	4,32	0,67	1,70	-0,66	-0,32
28	-3,56	1,38	-0,89	0,45	-3,01	3,23	-1,04	1,80	-3,56	0,28
29	-3,76	1,78	-0,89	0,35	-3,21	2,23	-2,34	2,20	-5,26	0,78
30	-4,16	2,88	-0,89	0,15	-3,01	2,43	-3,34	2,70	-5,46	0,87
31	-4,06	2,97	-1,09	-0,95	-2,71	3,43	-4,04	2,60	-4,86	0,67
32	-4,07	3,07	-1,09	-1,35	-0,91	4,52	-4,24	2,10	-4,06	-0,53
33	-4,97	3,07	-1,09	-2,26	-0,02	3,62	-3,84	1,60	-2,76	-2,03
34	-5,27	2,77	-0,99	-3,45	0,18	1,82	-3,24	0,99	-1,37	-2,23
35	-5,07	2,17	-1,09	-3,35	0,08	0,12	-2,44	-1,21	1,23	-1,63
36	-4,67	1,87	-1,10	-2,36	0,08	-1,98	-1,84	-1,81	2,13	-0,73
37	-4,07	1,47	-1,10	-0,86	0,48	-1,68	-0,15	-1,81	3,43	-0,23
38	-3,07	1,27	-1,10	2,24	0,58	-1,78	2,05	-0,51	5,73	0,87
39	-2,47	1,26	-1,10	1,74	0,38	-1,49	3,65	-0,01	6,32	2,17
40	-2,38	1,66	-0,80	0,84	-0,23	-1,39	4,45	1,89	5,81	3,57
41	-2,98	2,16	-0,80	0,14	-1,13	-1,09	3,65	2,89	3,91	4,76
42	-3,18	2,36	-0,80	0,04	-1,53	-0,39	2,65	3,69	0,92	5,36
43	-3,68	2,96	-0,80	0,33	-1,73	0,51	2,15	4,18	-2,78	5,75
44	-3,68	3,36	-0,80	0,93	-2,03	1,81	1,75	3,78	-3,28	5,05
45	-2,88	3,26	-0,71	1,13	-3,03	3,21	1,84	3,18	-3,28	4,35
46	-2,18	3,56	-0,11	1,13	-3,53	4,41	2,54	2,68	-2,98	3,15
47	-1,48	3,76	0,39	1,23	-3,63	4,90	4,04	2,78	-2,48	1,95
48	0,12	4,55	1,09	1,73	-3,63	4,50	3,24	2,58	-1,78	0,85
49	0,91	4,75	1,69	2,23	-3,34	3,50	2,04	2,38	-1,19	0,55
50	0,81	4,15	1,89	2,83	-3,13	3,00	0,74	2,27	-1,09	-0,25

RECORD=S=554 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=OFUNATO-BOCHI-S
DATE AND TIME=1970=09=14-18-45 SAMPLING INTERVAL= 0,010(SEC) FORMAT NO,=301 TOTAL NUMBER OF DATA= 1500

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	=1,05	=0,11	=3,98	3,66	-1,00	1,24	1,77	=0,49	1,55	0,89
2	=1,55	0,68	=4,38	4,06	=0,50	0,83	2,87	=0,09	1,35	0,98
3	=2,56	0,58	=4,18	3,86	=0,00	0,33	3,47	0,31	1,95	0,88
4	=3,66	0,08	=3,78	3,36	0,20	0,13	3,97	0,61	1,44	0,98
5	=4,96	=0,22	=3,08	2,95	0,09	0,03	3,67	1,01	1,04	0,88
6	-5,77	=0,22	=1,68	2,05	0,19	0,13	3,37	1,00	0,74	0,68
7	=6,86	0,28	=0,68	0,95	0,29	0,33	2,66	0,90	0,24	=0,12
8	=6,66	0,58	0,42	=1,25	0,59	0,73	0,96	0,90	0,34	=0,62
9	=6,16	0,98	1,31	=2,65	1,29	0,73	=0,54	0,60	0,24	=0,32
10	=5,46	1,58	1,21	=2,65	2,19	1,03	=2,24	0,40	0,24	0,28
11	=4,76	2,78	0,71	=2,65	2,99	1,02	=2,84	0,40	0,24	0,27
12	=3,36	3,57	0,41	=2,45	3,58	1,22	=2,84	0,40	0,24	1,07
13	=0,87	3,47	0,01	=2,15	3,18	1,32	=2,74	0,40	0,23	1,47
14	0,33	3,07	=0,29	-1,55	2,28	1,22	=2,64	0,40	=0,07	1,67
15	0,83	1,77	=0,99	=0,56	1,78	1,12	=2,44	0,39	=0,07	1,57
16	0,53	0,57	=1,60	=0,16	0,58	0,62	=2,04	0,39	=0,07	1,27
17	0,03	=1,23	-1,70	0,64	=0,72	=0,18	=1,35	0,49	0,33	0,87
18	=0,17	=3,34	=1,80	1,14	=1,82	=0,79	=1,45	0,49	0,63	0,37
19	=0,07	=3,74	=1,60	1,64	=1,92	=0,89	=1,75	0,49	0,93	0,06
20	0,13	=3,84	=1,10	1,14	=1,22	=0,89	=1,55	0,39	1,33	0,06
21	0,32	=3,64	=0,50	0,44	=1,13	=0,89	=1,45	0,79	1,62	0,06
22	0,42	=3,34	=0,10	=0,27	=1,03	=0,59	=1,05	1,39	1,52	0,06
23	=0,08	=2,54	=0,10	=0,37	=1,13	=0,09	=0,35	1,78	1,12	0,06
24	=0,68	=1,84	=0,61	=0,37	=1,93	=0,09	0,45	1,78	0,62	0,06
25	=1,98	=0,34	=0,91	=0,17	=2,63	=0,09	1,24	1,38	0,32	=0,34
26	=3,18	0,46	=1,81	=0,27	=3,33	=0,10	1,44	1,18	0,32	=0,35
27	=3,48	0,55	=2,51	=1,37	=3,53	=0,10	1,34	0,98	0,32	=0,25
28	=3,28	0,55	=3,01	=2,47	=3,43	=0,10	1,04	0,58	0,32	=0,35
29	=2,48	0,35	=2,91	=2,98	=3,13	=0,10	0,54	=0,12	0,31	=0,25
30	=1,49	0,35	=2,71	=3,68	=2,44	0,00	0,34	=0,43	0,31	0,15
31	=1,29	=0,05	=2,31	=4,08	=1,64	0,10	=0,16	=0,43	0,31	0,25
32	0,21	=0,05	=2,12	=4,28	=1,54	=0,00	=0,56	=0,43	0,51	0,55
33	1,61	=0,05	=2,42	=4,28	=1,24	0,10	=0,27	=0,43	0,71	0,55
34	2,31	0,15	=3,02	=3,98	=1,04	=0,01	0,23	=0,43	1,21	0,54
35	4,11	=0,16	=3,22	=2,98	=0,84	=0,51	1,03	=0,33	1,71	0,24
36	5,11	=0,76	=3,22	=2,28	=0,85	=0,81	1,93	=0,23	2,00	=0,06
37	5,30	=1,76	=2,72	=1,68	=0,95	=1,01	3,13	=0,13	1,90	=0,16
38	4,80	=2,06	=2,32	=1,28	=0,95	=1,01	3,73	=0,04	0,80	=0,16
39	3,90	=1,56	=1,82	=0,59	=0,95	=0,81	4,52	=0,14	=0,10	=0,56
40	2,50	=1,56	=1,82	=0,19	=0,75	=0,61	3,62	=0,04	=1,80	=1,16
41	1,60	=0,86	=1,13	0,71	0,35	=1,01	2,82	=0,04	=2,90	=1,56
42	=0,10	=0,46	=0,03	1,11	0,95	=1,52	2,02	0,16	=3,10	=1,56
43	=2,40	0,53	0,67	1,61	1,25	=1,82	1,52	0,96	=2,80	=1,37
44	=3,41	1,13	0,97	1,71	1,55	=1,62	1,12	1,66	=2,40	=1,17
45	=3,81	1,33	0,97	1,61	1,74	=1,52	0,62	2,26	=1,81	=1,07
46	=3,51	0,83	0,97	0,80	1,64	=1,22	0,62	2,05	=1,01	=0,47
47	=3,31	=0,47	1,27	=0,30	1,44	=1,12	0,42	1,75	0,29	0,13
48	=3,01	=1,37	1,77	=1,00	1,44	=0,32	0,42	1,35	1,09	0,63
49	=1,91	=2,67	2,46	=1,40	1,44	0,08	0,41	1,15	1,29	0,63
50	=1,61	=3,48	2,86	=1,50	1,44	1,28	0,11	1,15	0,99	0,63



Response Spectra



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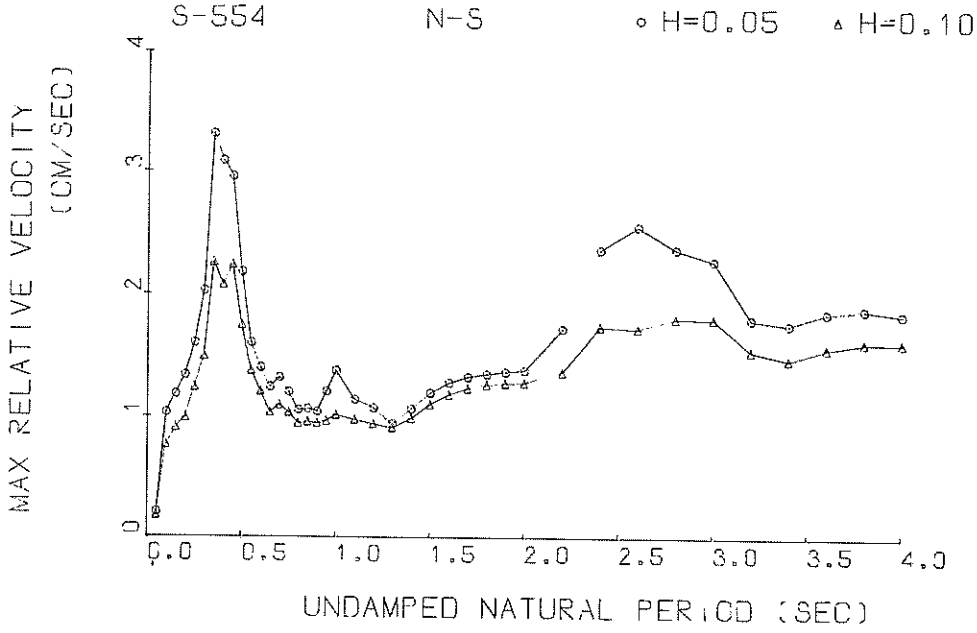

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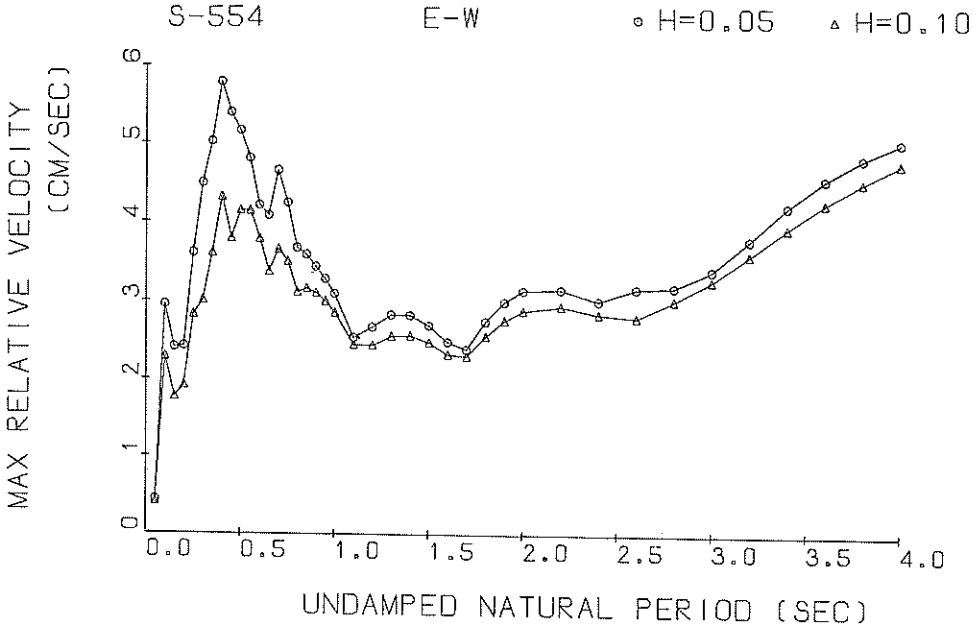

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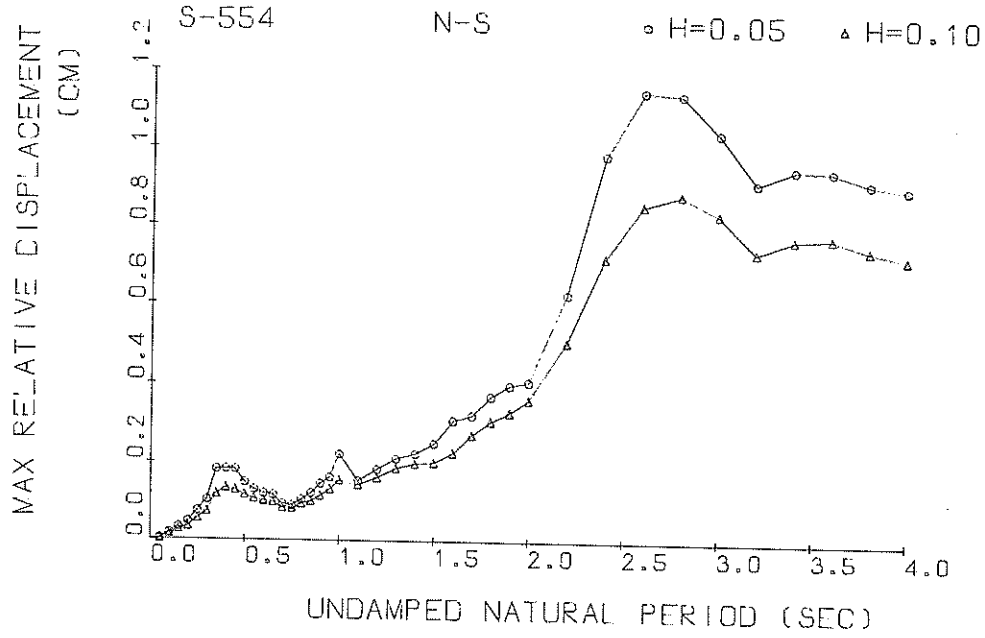
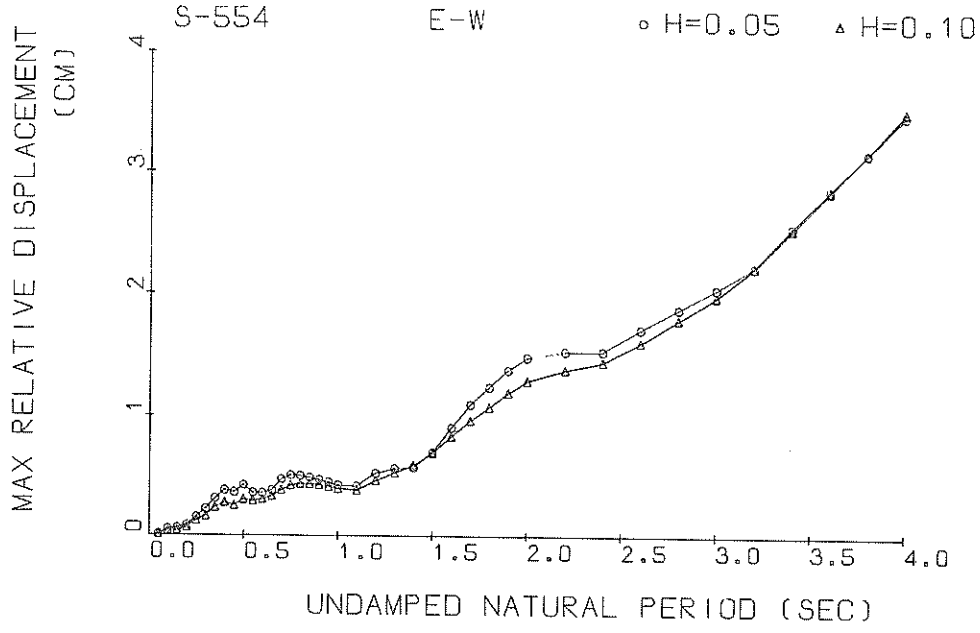


Response Spectra



Response Spectra

RESPONSE SPECTRUM

RECORD = S-554 N-S 1970-09-14-18-45
STATION = OFUNATO-BOCHI-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ARC,ERR,
TIME LENGTH =10,0000(SEC) SKIPPED LENGTH = 0, (SEC)
DAMPING COEFFICIENT = 0,050 MAX,GROUND ACC,= 24,62(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0,050	1,558	38,36	18,49	0,203	0,0024
0,100	2,717	66,88	64,38	1,035	0,0169
0,150	2,260	55,64	56,74	1,186	0,0319
0,200	1,874	46,14	45,96	1,343	0,0468
0,250	1,919	47,25	48,15	1,606	0,0750
0,300	1,854	45,63	45,43	2,032	0,1034
0,350	2,393	58,90	55,02	3,313	0,1815
0,400	1,843	45,36	55,86	3,092	0,1826
0,450	1,451	35,73	50,04	2,963	0,1824
0,500	0,960	23,64	37,29	2,187	0,1490
0,550	0,701	17,26	36,48	1,610	0,1312
0,600	0,545	13,43	36,35	1,408	0,1208
0,650	0,453	11,14	34,35	1,249	0,1175
0,700	0,313	7,69	30,88	1,327	0,0940
0,750	0,257	6,34	27,45	1,206	0,0900
0,800	0,265	6,53	25,15	1,061	0,1053
0,850	0,271	6,68	24,45	1,071	0,1218
0,900	0,293	7,21	24,30	1,047	0,1462
0,950	0,292	7,19	24,99	1,212	0,1628
1,000	0,359	8,84	25,90	1,384	0,2226
1,100	0,205	5,05	27,47	1,148	0,1541
1,200	0,210	5,18	28,21	1,077	0,1842
1,300	0,207	5,10	28,24	0,949	0,2125
1,400	0,189	4,66	27,85	1,070	0,2246
1,500	0,182	4,47	27,28	1,203	0,2530
1,600	0,198	4,87	26,68	1,288	0,3161
1,700	0,183	4,51	26,14	1,336	0,3261
1,800	0,187	4,61	25,67	1,358	0,3730
1,900	0,180	4,44	25,29	1,377	0,3996
2,000	0,166	4,09	24,98	1,390	0,4091
2,200	0,209	5,15	24,53	1,733	0,6286
2,400	0,276	6,80	24,62	2,377	0,9868
2,600	0,275	6,78	24,66	2,565	1,1519
2,800	0,235	5,79	24,69	2,364	1,1447
3,000	0,188	4,63	24,42	2,286	1,0471
3,200	0,145	3,57	24,44	1,814	0,9195
3,400	0,134	3,29	24,46	1,770	0,9555
3,600	0,119	2,94	24,47	1,864	0,9534
3,800	0,103	2,53	24,49	1,894	0,9260
4,000	0,092	2,26	24,50	1,853	0,9094

RESPONSE SPECTRUM

RECORD = S-554 N-S 1970-09-14-18-45
STATION = OFUNADO-BOCHI-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC,ERR,
TIME LENGTH =10.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 24.62(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.468	36.14	16.07	0.177	0.0023
0.100	2.239	55.11	47.85	0.766	0.0136
0.150	1.872	46.08	50.27	0.910	0.0258
0.200	1.338	32.94	35.77	0.993	0.0328
0.250	1.435	35.32	36.15	1.243	0.0551
0.300	1.332	32.80	38.79	1.496	0.0733
0.350	1.577	38.83	39.36	2.261	0.1184
0.400	1.380	33.98	47.91	2.078	0.1343
0.450	1.052	25.90	42.37	2.242	0.1289
0.500	0.769	18.93	33.80	1.751	0.1170
0.550	0.581	14.31	34.53	1.379	0.1066
0.600	0.481	11.84	34.05	1.209	0.1020
0.650	0.400	9.85	32.65	1.040	0.0989
0.700	0.298	7.34	30.36	1.099	0.0839
0.750	0.239	5.89	28.03	1.038	0.0830
0.800	0.238	5.86	26.32	0.947	0.0956
0.850	0.233	5.74	25.44	0.962	0.1006
0.900	0.239	5.89	25.26	0.951	0.1151
0.950	0.238	5.86	25.53	0.967	0.1316
1.000	0.255	6.27	26.02	1.020	0.1555
1.100	0.195	4.79	27.02	0.979	0.1467
1.200	0.196	4.82	27.59	0.945	0.1619
1.300	0.194	4.79	27.68	0.915	0.1866
1.400	0.182	4.47	27.44	0.991	0.1993
1.500	0.163	4.02	27.05	1.106	0.2024
1.600	0.148	3.65	26.60	1.187	0.2276
1.700	0.161	3.95	26.17	1.239	0.2761
1.800	0.163	4.02	25.78	1.269	0.3124
1.900	0.158	3.88	25.44	1.284	0.3343
2.000	0.148	3.65	25.16	1.287	0.3652
2.200	0.172	4.23	24.74	1.375	0.5092
2.400	0.206	5.06	24.45	1.747	0.7227
2.600	0.208	5.13	24.42	1.734	0.8578
2.800	0.184	4.54	24.45	1.817	0.8856
3.000	0.153	3.77	24.47	1.813	0.8382
3.200	0.118	2.90	24.48	1.552	0.7417
3.400	0.111	2.74	24.50	1.481	0.7760
3.600	0.100	2.45	24.51	1.574	0.7808
3.800	0.088	2.16	24.52	1.624	0.7515
4.000	0.075	1.84	24.53	1.618	0.7315

RESPONSE SPECTRUM

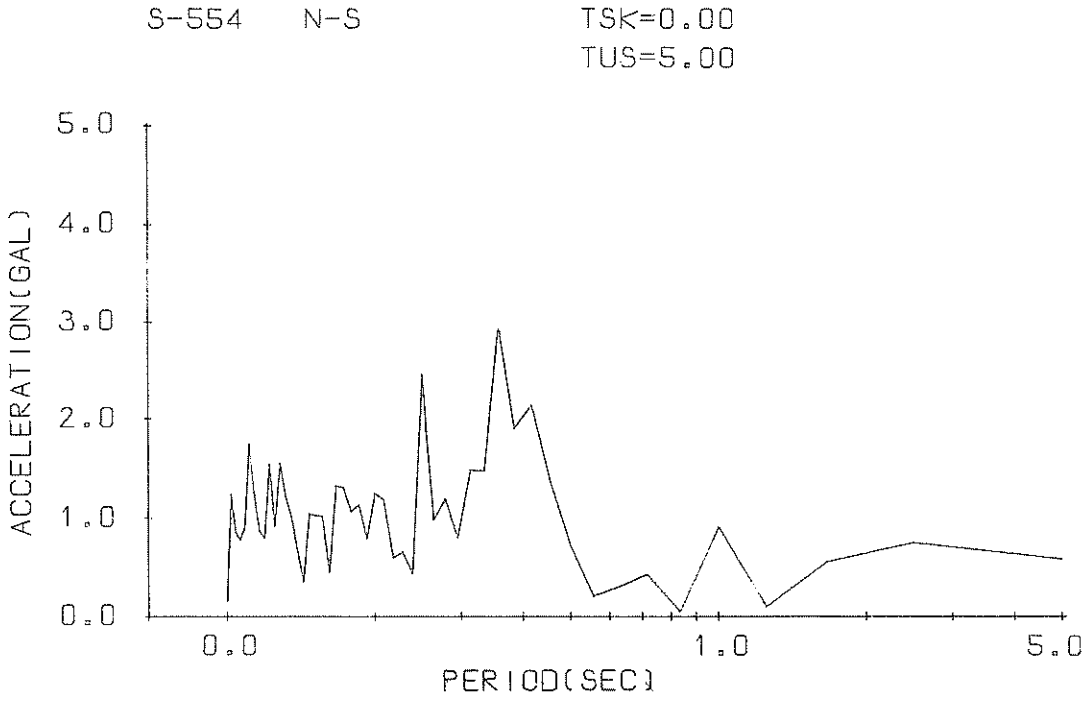
RECORD = S-554 E-W 1970-09-14-18-45
STATION = OFUNADO-BOCHI-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =10.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX,GROUND ACC,= 65.78(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.503	98.89	40.62	0.436	0.0063
0.100	2.881	189.51	197.55	2.954	0.0478
0.150	1.579	103.85	94.94	2.412	0.0591
0.200	1.224	80.51	89.17	2.425	0.0818
0.250	1.424	93.69	98.02	3.610	0.1486
0.300	1.450	95.35	104.46	4.491	0.2152
0.350	1.511	99.42	96.69	5.020	0.3077
0.400	1.402	92.23	98.80	5.784	0.3730
0.450	1.070	70.42	82.99	5.388	0.3594
0.500	1.005	66.12	88.76	5.162	0.4160
0.550	0.709	46.63	78.55	4.807	0.3554
0.600	0.587	38.63	77.81	4.211	0.3501
0.650	0.584	35.15	77.12	4.081	0.3743
0.700	0.578	38.02	76.66	4.648	0.4693
0.750	0.541	35.57	75.59	4.242	0.5042
0.800	0.473	31.11	74.85	3.674	0.5014
0.850	0.404	26.58	74.16	3.591	0.4832
0.900	0.347	22.81	73.52	3.468	0.4641
0.950	0.299	19.66	72.94	3.285	0.4455
1.000	0.255	16.75	72.41	3.096	0.4202
1.100	0.208	13.69	71.50	2.538	0.4125
1.200	0.218	14.36	70.75	2.676	0.5228
1.300	0.200	13.14	70.13	2.829	0.5613
1.400	0.176	11.54	69.61	2.825	0.5721
1.500	0.186	12.27	69.18	2.695	0.6977
1.600	0.213	13.98	68.82	2.486	0.9040
1.700	0.228	15.06	68.51	2.388	1.0962
1.800	0.261	15.17	68.24	2.744	1.2429
1.900	0.230	15.14	68.02	2.996	1.3818
2.000	0.223	14.70	67.82	3.139	1.4842
2.200	0.190	12.52	67.49	3.156	1.5321
2.400	0.160	10.55	67.24	3.011	1.5323
2.600	0.153	10.04	67.04	3.166	1.7121
2.800	0.144	9.50	66.88	3.185	1.8811
3.000	0.137	8.98	66.75	3.394	2.0407
3.200	0.130	8.58	66.64	3.761	2.2201
3.400	0.133	8.73	66.55	4.200	2.5501
3.600	0.133	8.73	66.47	4.547	2.8595
3.800	0.132	8.67	66.40	4.809	3.1641
4.000	0.131	8.63	66.35	5.014	3.4867

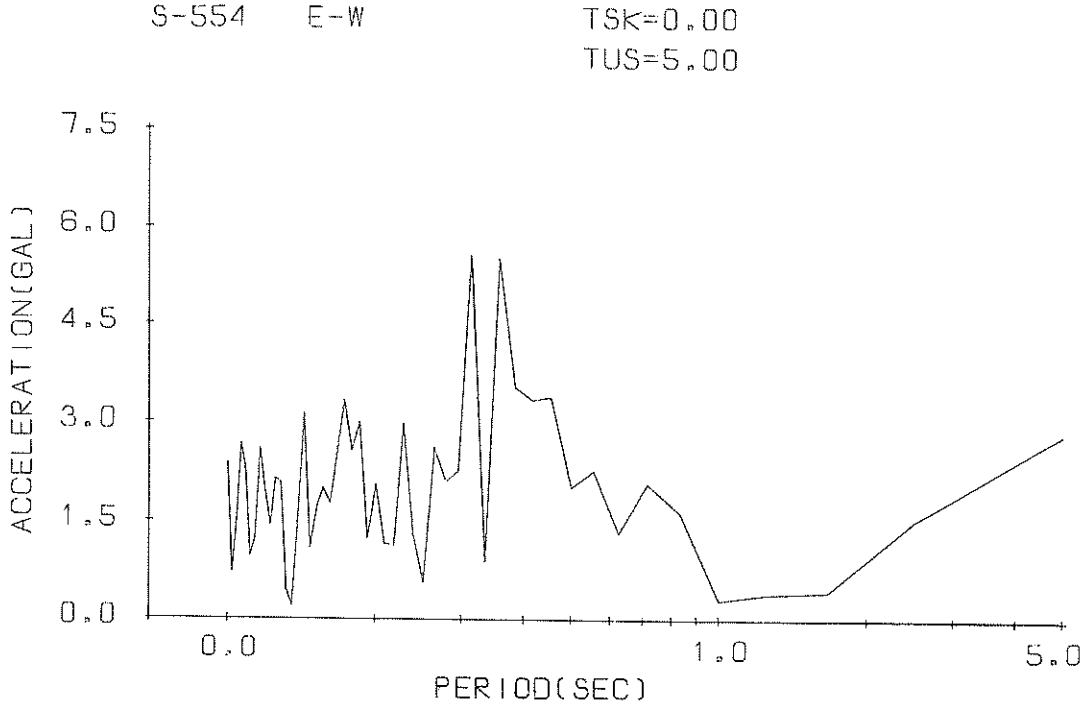
RESPONSE SPECTRUM

RECORD = S-554 E-W 1970-09-14-18-45
STATION = OFUNADO-BOCHI-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
TIME LENGTH =10.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX,GROUND ACC.= 65.78(GAL)

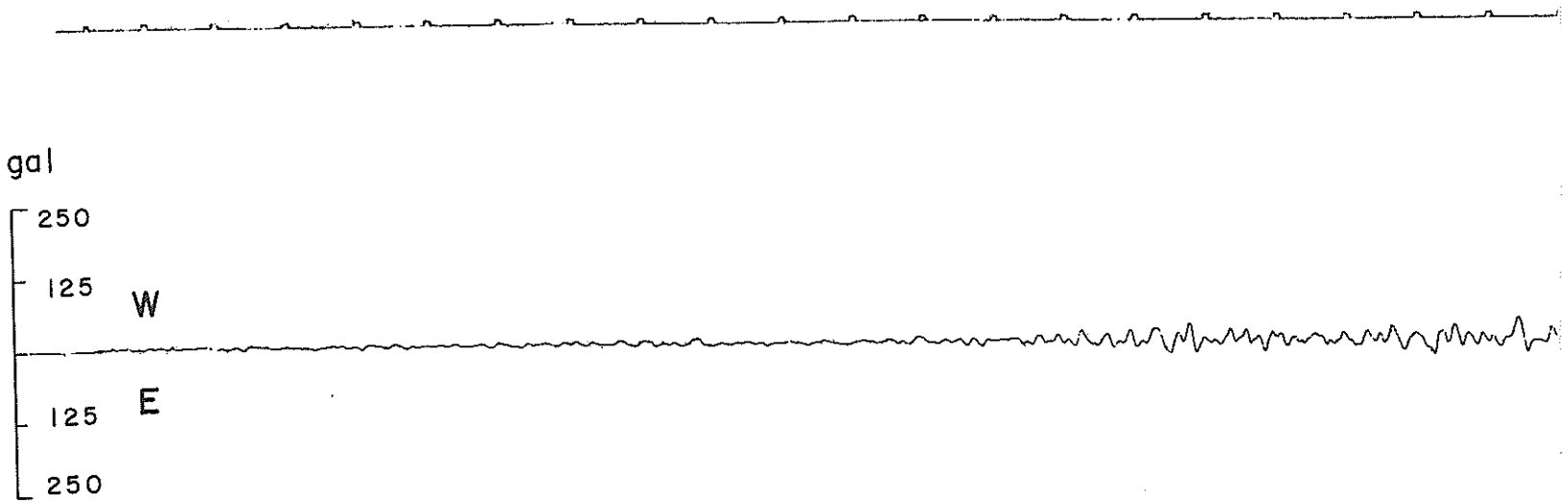
PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.516	99.72	40.13	0.411	0.0063
0.100	2.199	144.66	148.44	2.289	0.0358
0.150	1.186	77.99	76.55	1.768	0.0434
0.200	0.984	64.75	84.56	1.918	0.0648
0.250	1.208	79.46	91.79	2.829	0.1238
0.300	1.085	71.36	80.19	3.008	0.1593
0.350	1.135	74.65	70.68	3.611	0.2275
0.400	1.035	68.07	77.36	4.317	0.2702
0.450	0.742	48.83	76.54	3.788	0.2456
0.500	0.736	48.40	76.98	4.147	0.2974
0.550	0.577	37.96	76.73	4.141	0.2856
0.600	0.508	33.39	76.16	3.784	0.3012
0.650	0.470	30.89	75.44	3.376	0.3243
0.700	0.474	31.17	74.75	3.653	0.3778
0.750	0.453	29.77	74.23	3.505	0.4152
0.800	0.409	26.91	73.70	3.113	0.4276
0.850	0.362	23.84	73.18	3.166	0.4263
0.900	0.319	20.96	72.69	3.105	0.4182
0.950	0.279	18.33	72.23	2.998	0.4063
1.000	0.242	15.93	71.80	2.856	0.3899
1.100	0.202	13.31	71.04	2.445	0.3784
1.200	0.193	12.68	70.41	2.438	0.4595
1.300	0.189	12.40	69.87	2.558	0.5267
1.400	0.181	11.92	69.42	2.567	0.5868
1.500	0.186	12.22	69.03	2.480	0.6902
1.600	0.196	12.90	68.71	2.326	0.8292
1.700	0.202	13.32	68.43	2.301	0.9620
1.800	0.200	13.17	68.18	2.561	1.0754
1.900	0.200	13.12	67.97	2.759	1.1965
2.000	0.196	12.90	67.79	2.885	1.2916
2.200	0.173	11.41	67.49	2.947	1.3795
2.400	0.151	9.96	67.25	2.844	1.4447
2.600	0.144	9.47	67.06	2.801	1.6044
2.800	0.138	9.10	66.90	3.018	1.7910
3.000	0.133	8.78	66.76	3.269	1.9789
3.200	0.131	8.62	66.67	3.594	2.2163
3.400	0.133	8.72	66.58	3.967	2.5315
3.600	0.133	8.75	66.50	4.248	2.8478
3.800	0.133	8.75	66.44	4.514	3.1725
4.000	0.133	8.76	66.38	4.751	3.5188

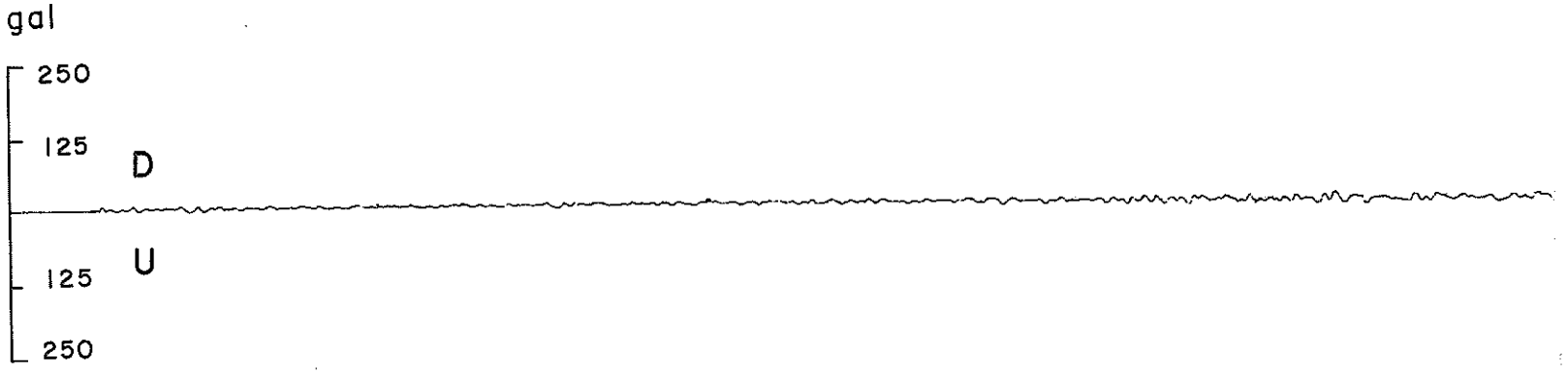


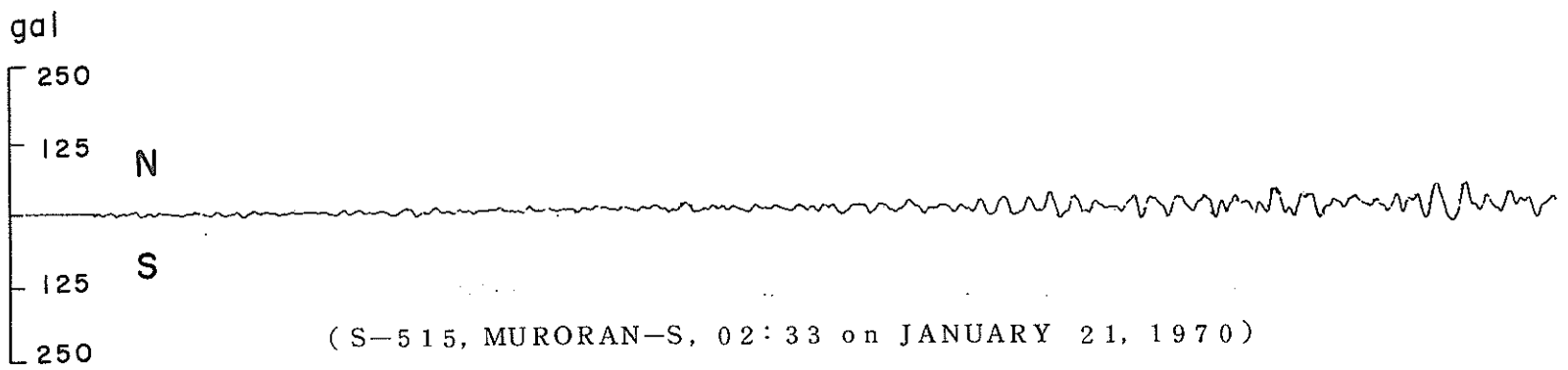
Fourier Spectrum



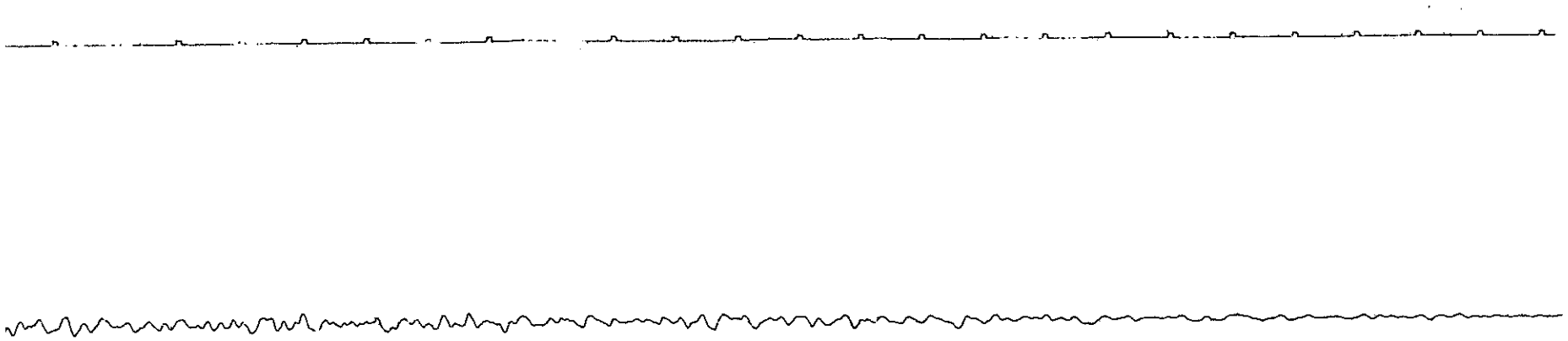
Fourier Spectrum

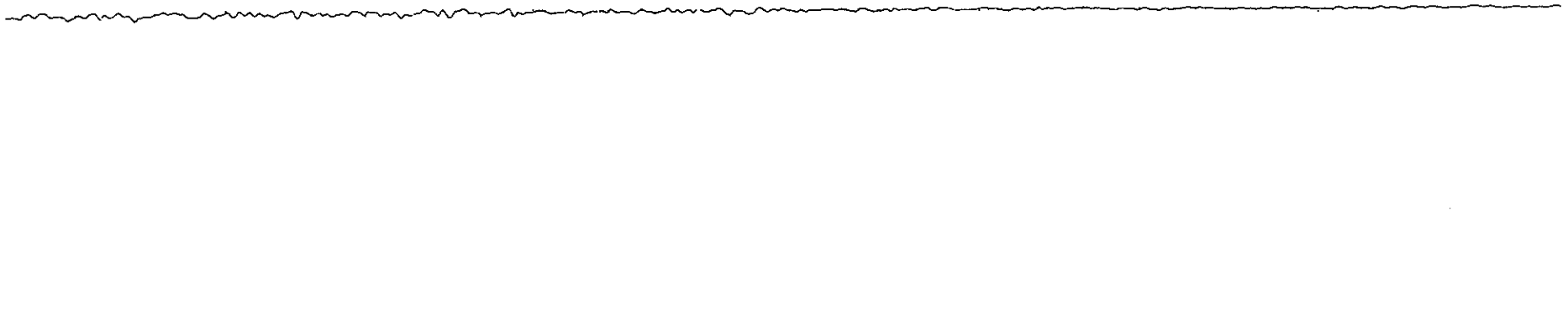


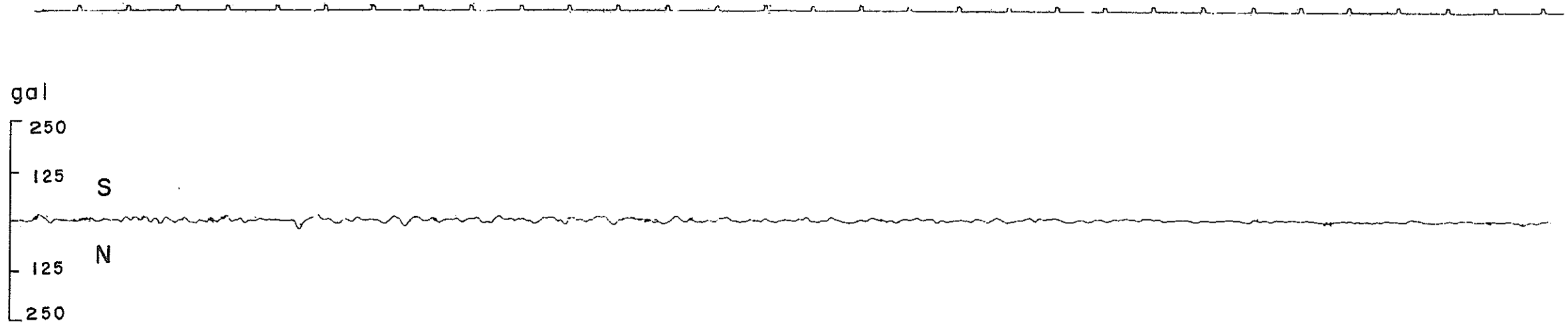


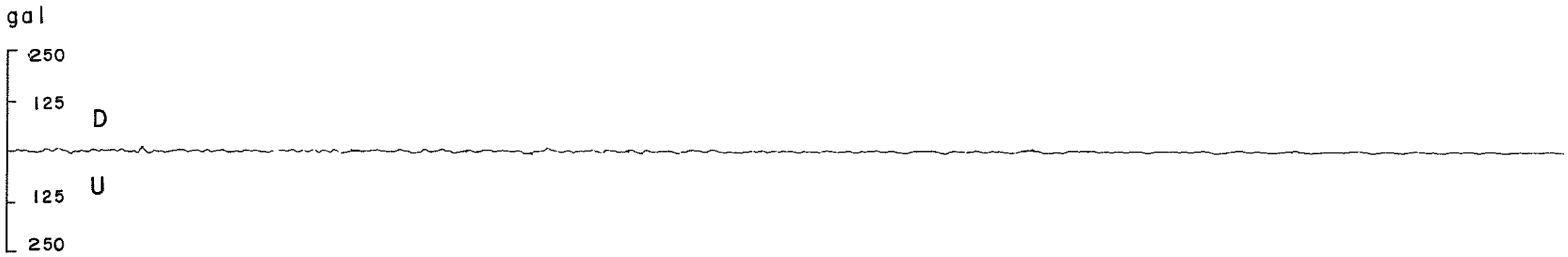


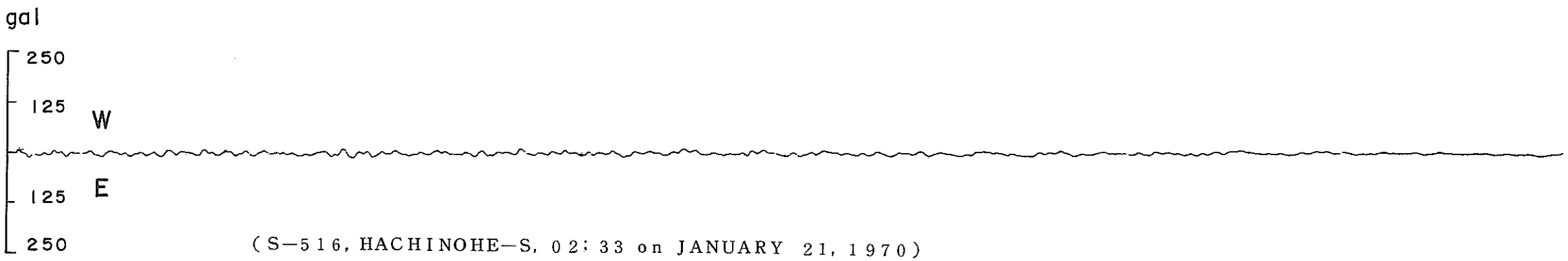
(S−515, MURORAN−S, 02:33 on JANUARY 21, 1970)





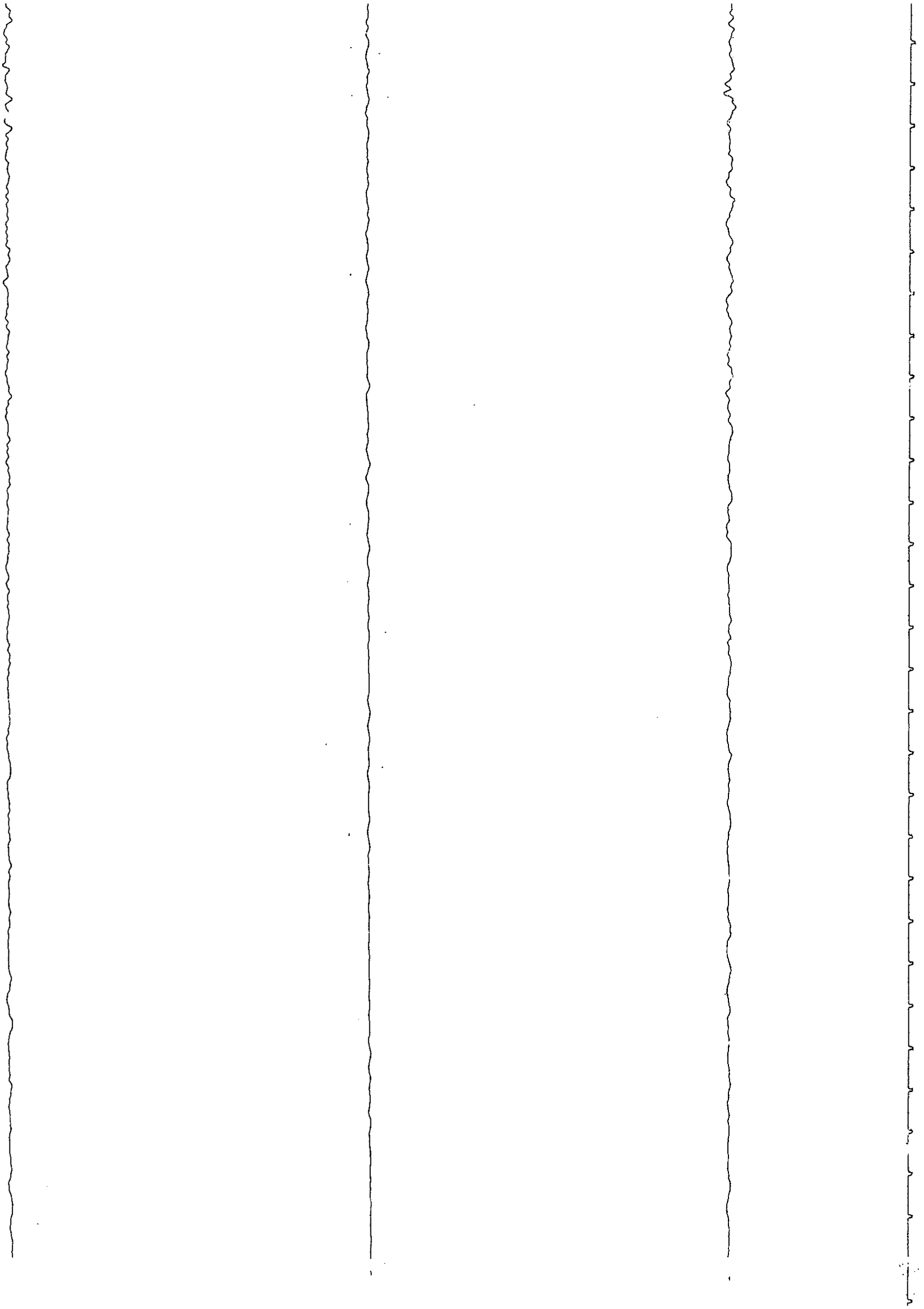


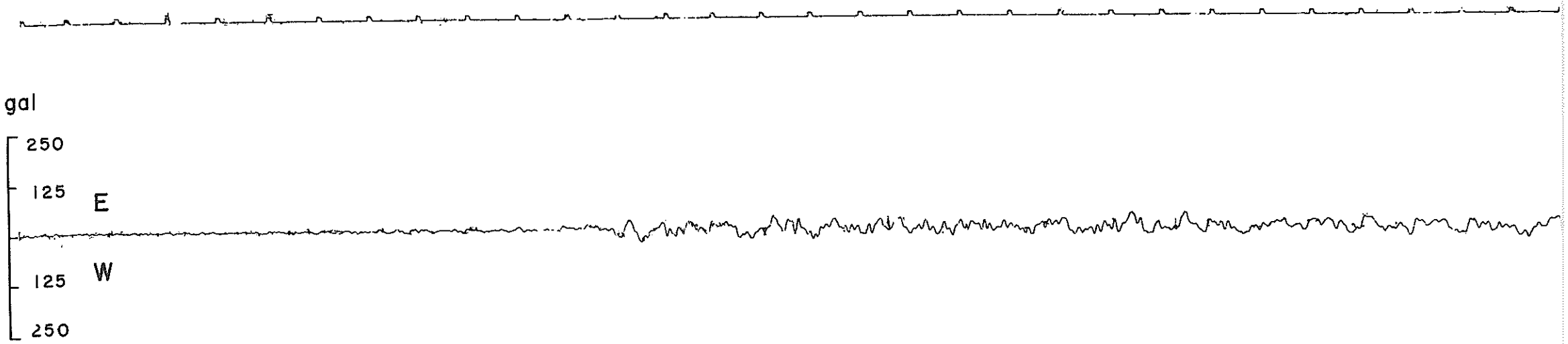


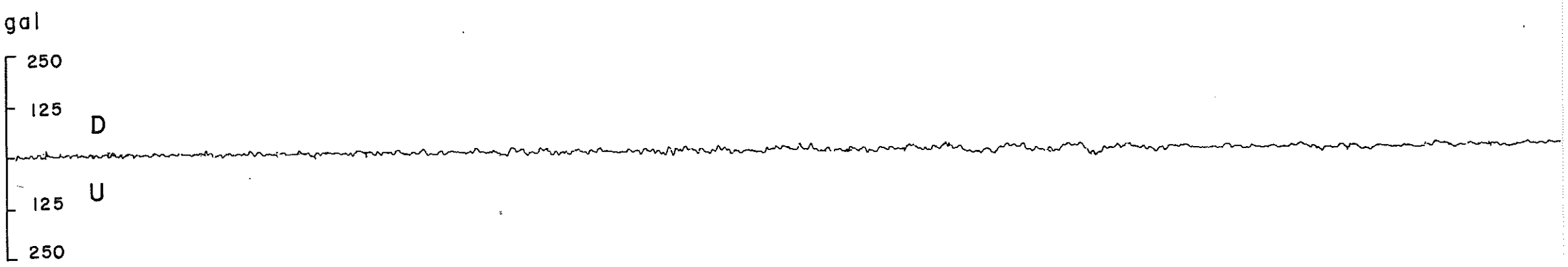


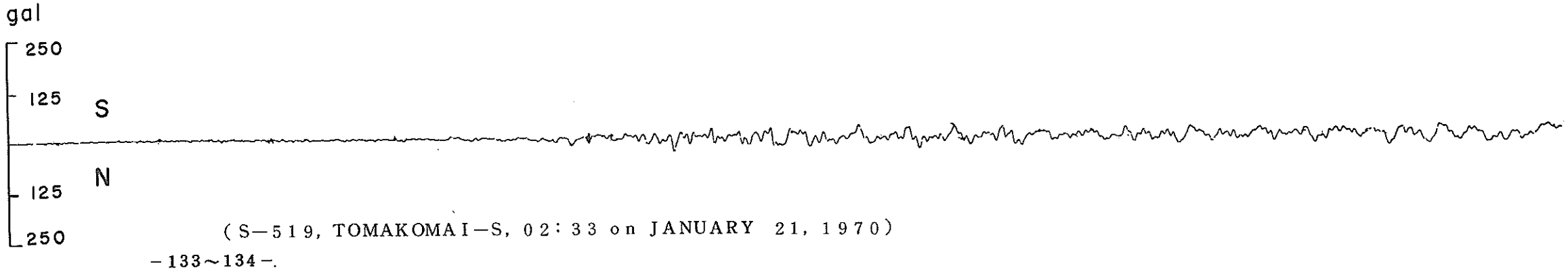
(S—516, HACHINOHE—S, 02: 33 on JANUARY 21, 1970)

(S—518, KUSHIRO—S, 02:33 on JANUARY 21, 1970)

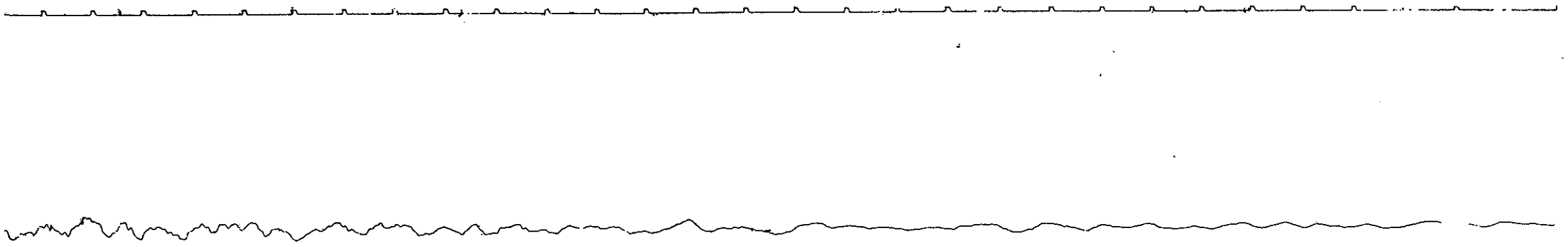


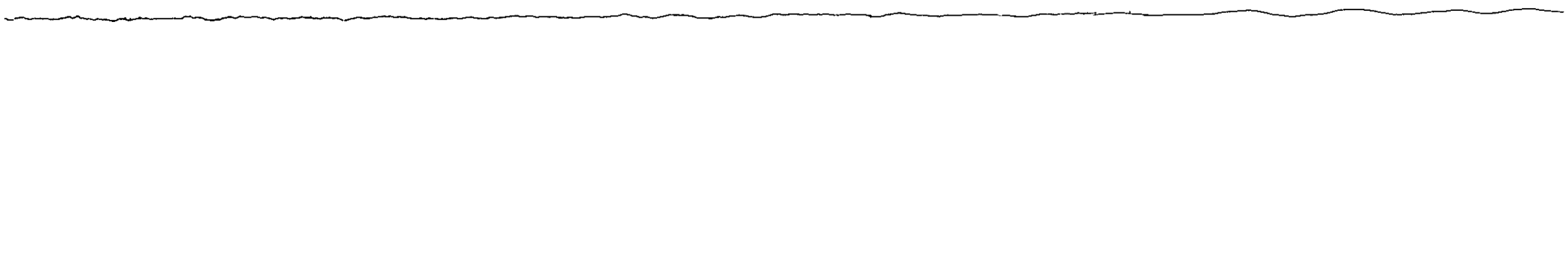


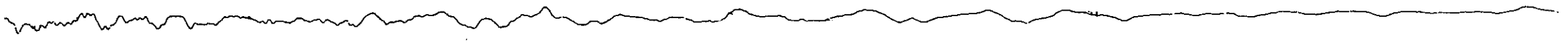


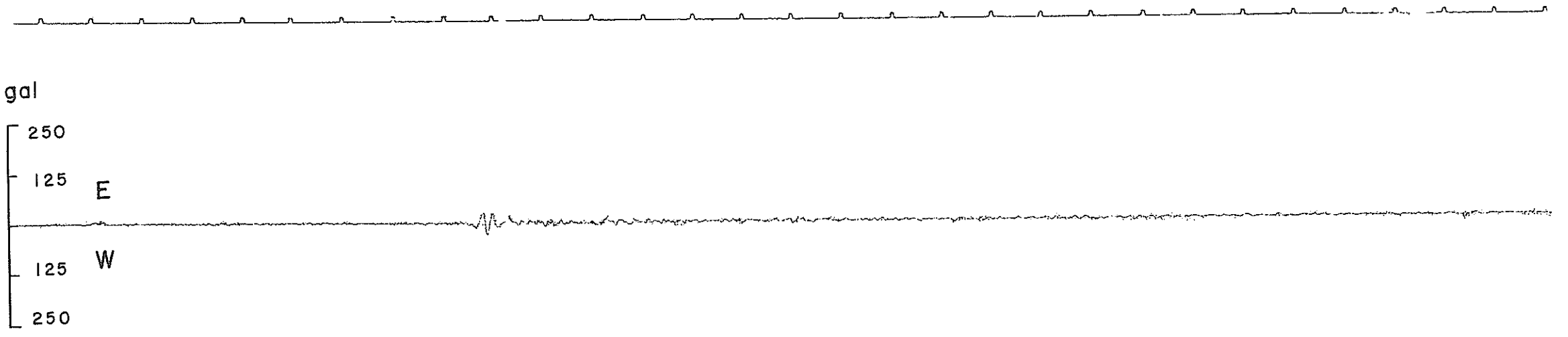


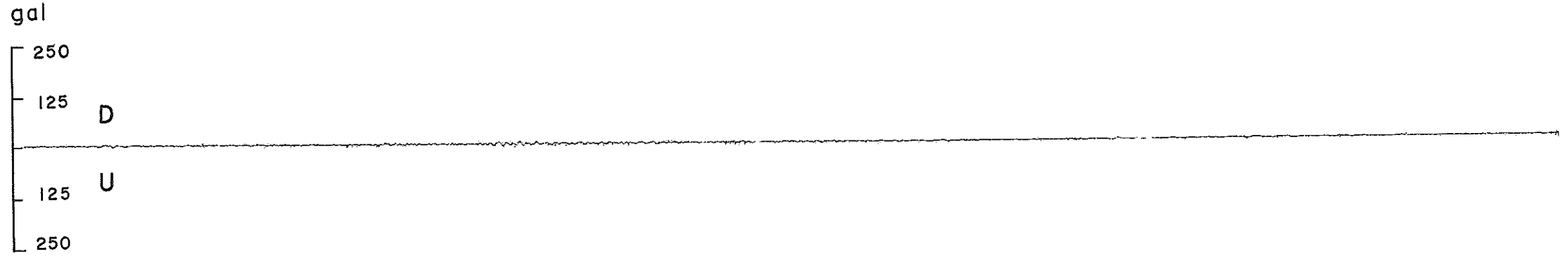
(S—519, TOMAKOMAI—S, 02:33 on JANUARY 21, 1970)

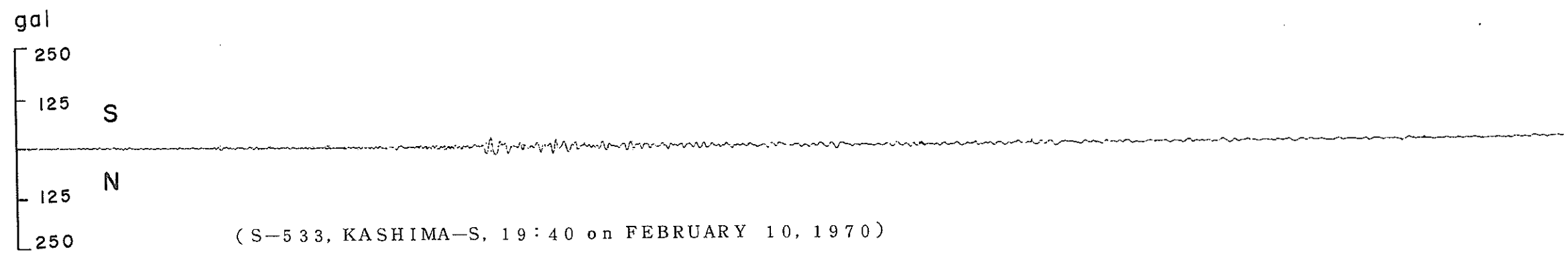




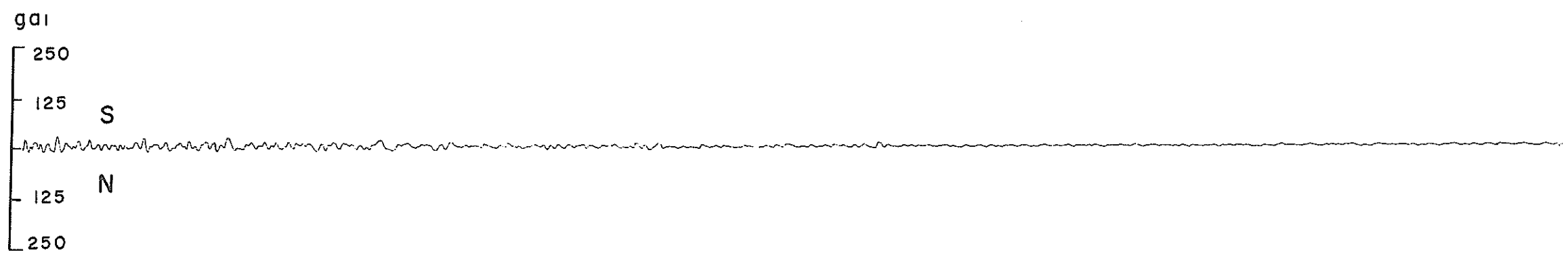


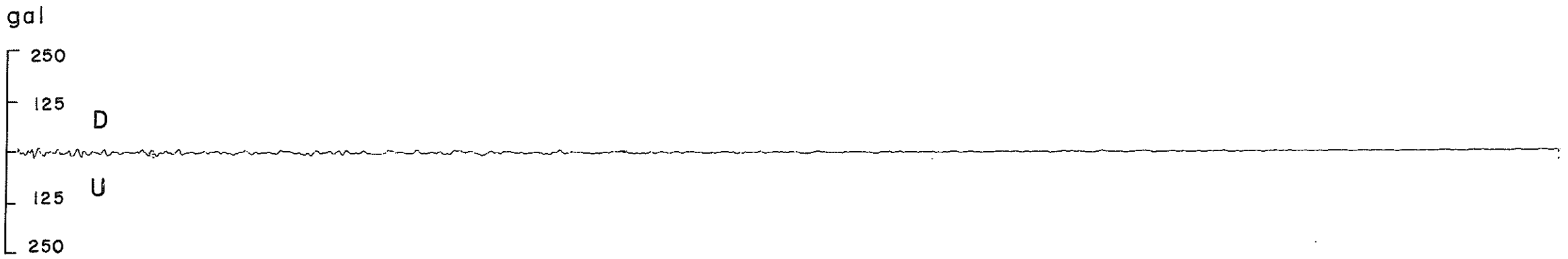


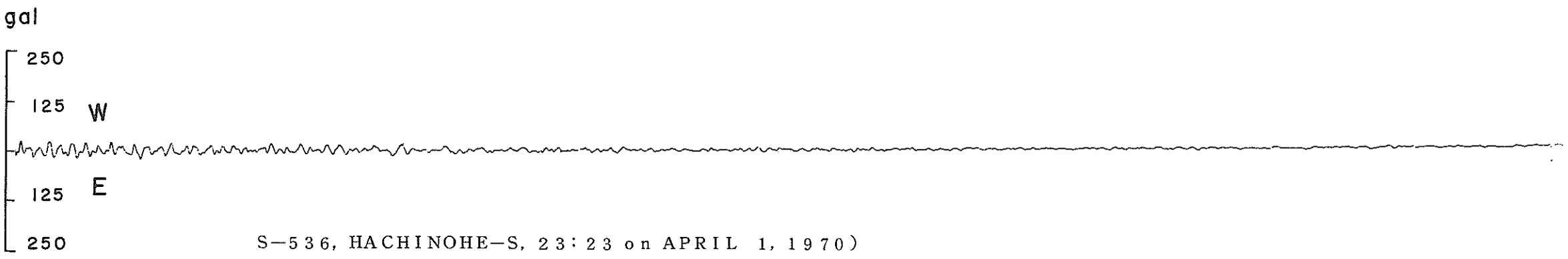




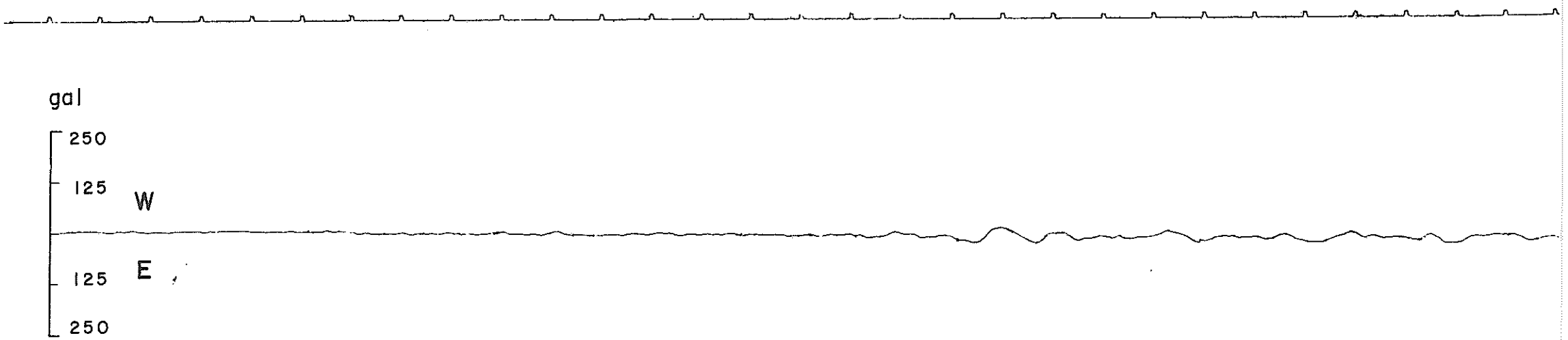
(S—533, KASHIMA—S, 19：40 on FEBRUARY 10, 1970)



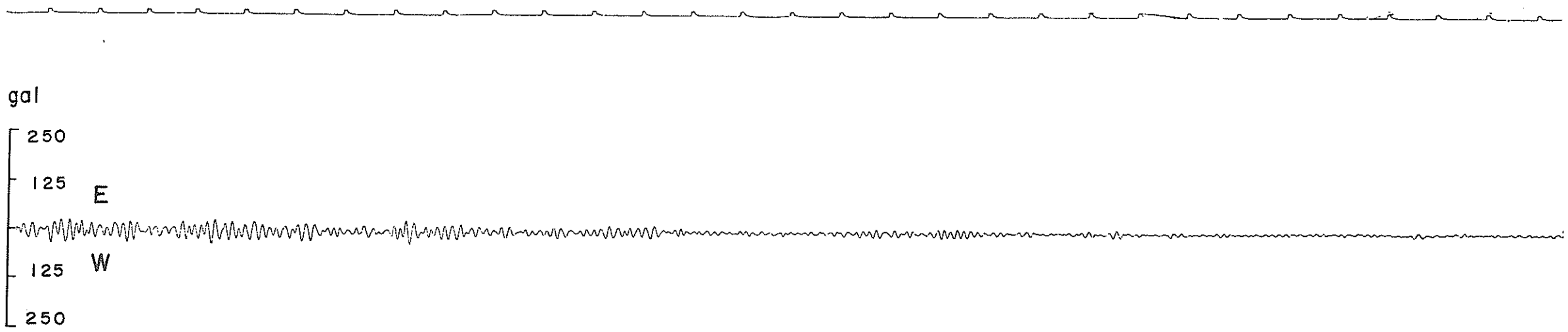


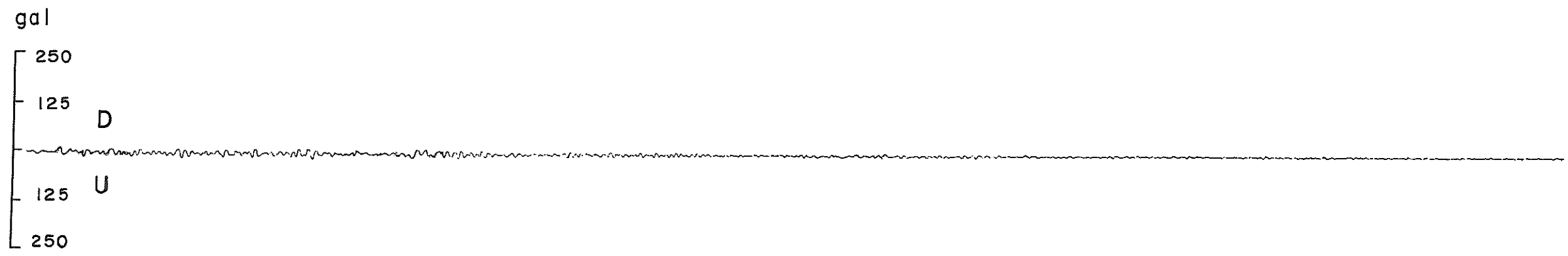


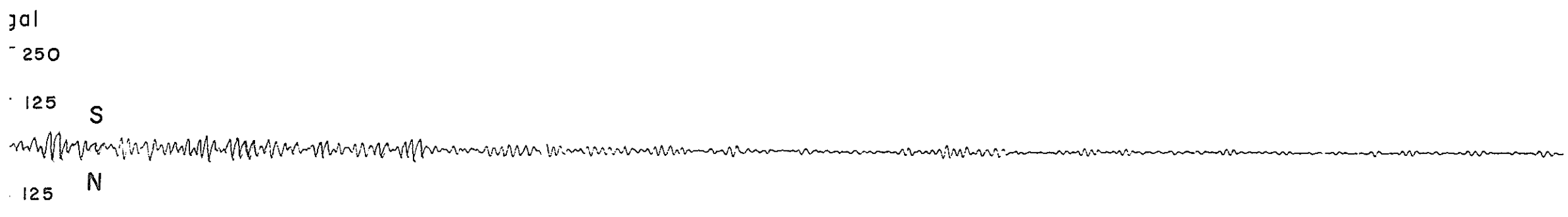
S—536, HACHINOHE—S, 23:23 on APRIL 1, 1970)



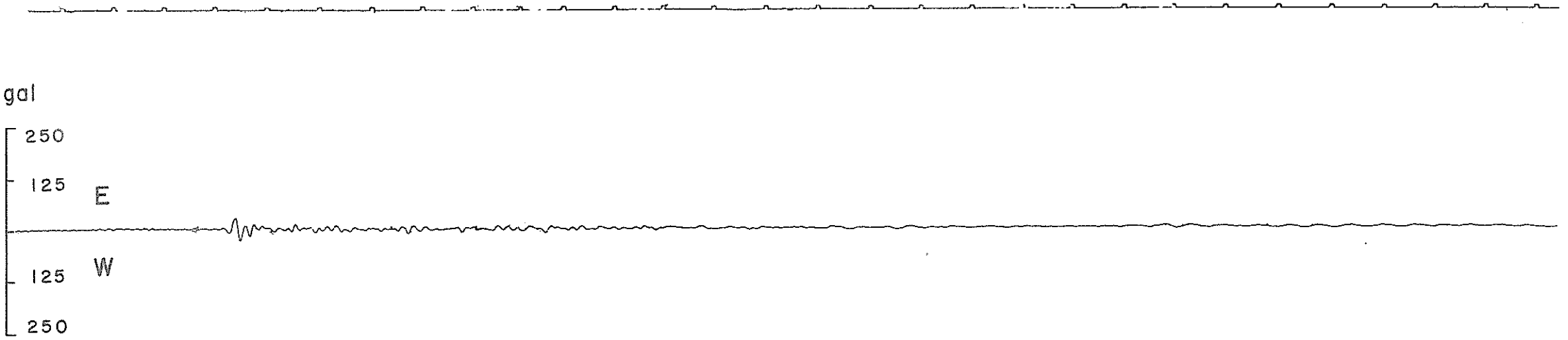
(S—551, KAGOSHIMA—S, 07:41 on JULY 26, 1970)

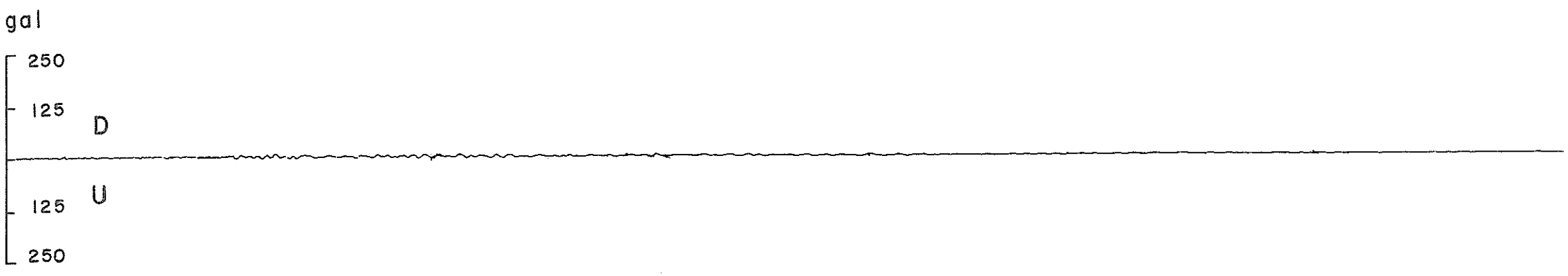


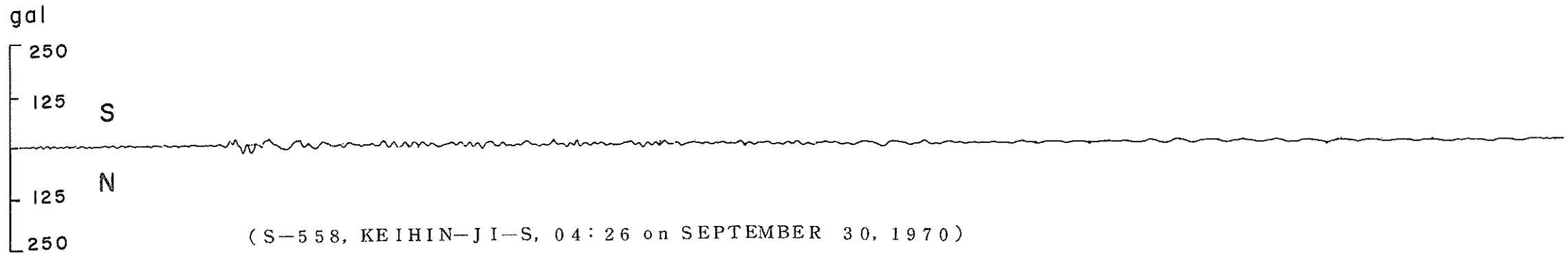




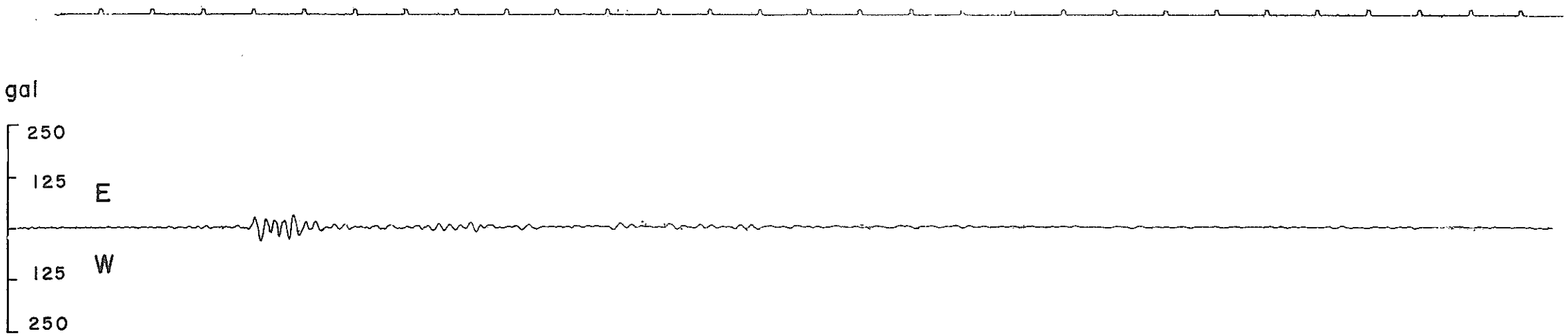
(S−553, MIYAKO−S, 18:45 on SEPTEMBER 14, 1970)



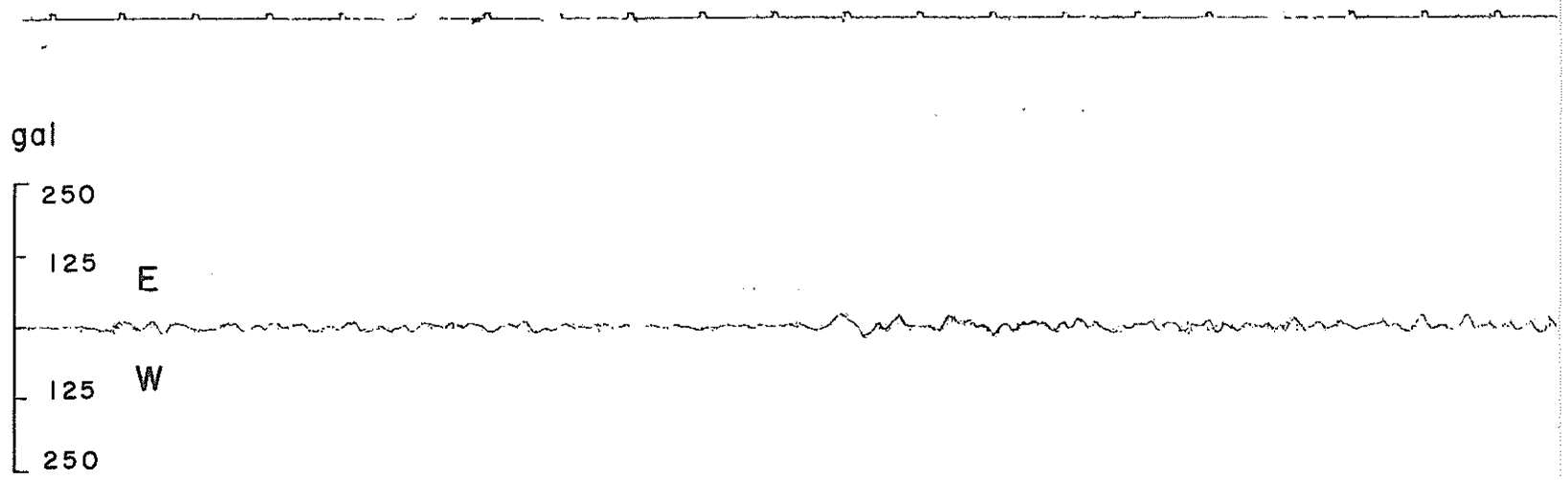


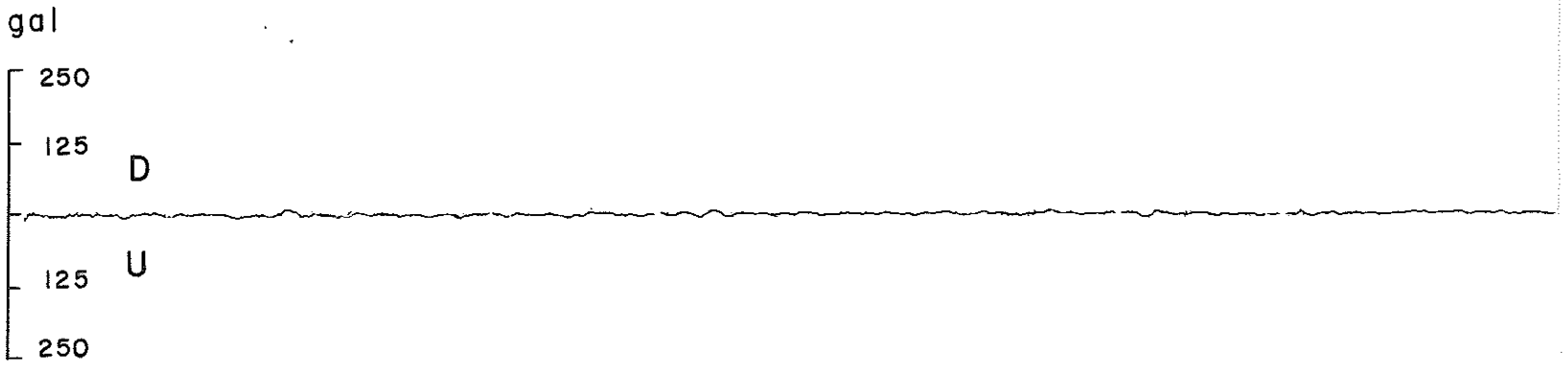


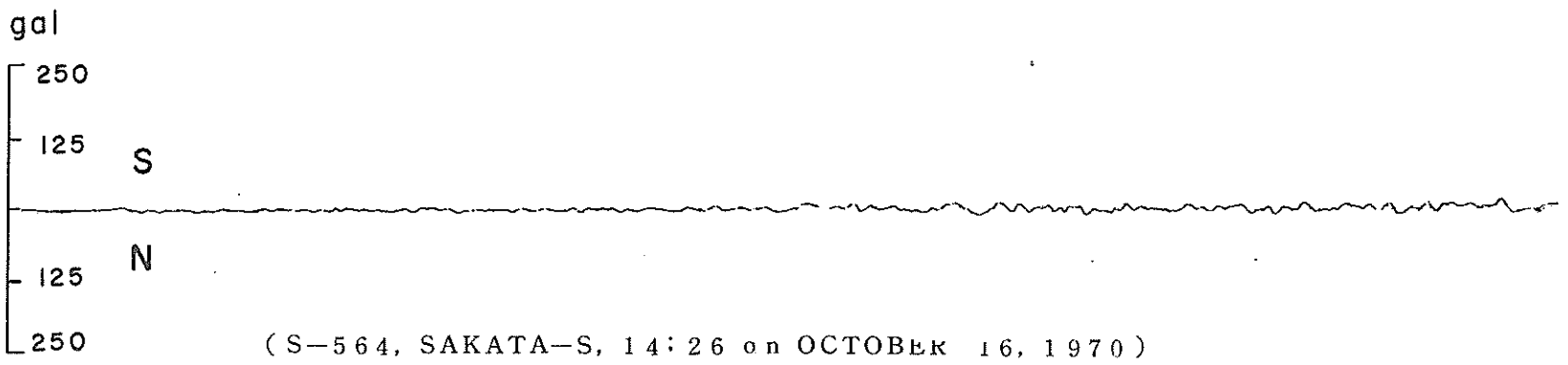
(S−558, KEIHIN−JI−S, 04：26 on SEPTEMBER 30, 1970)



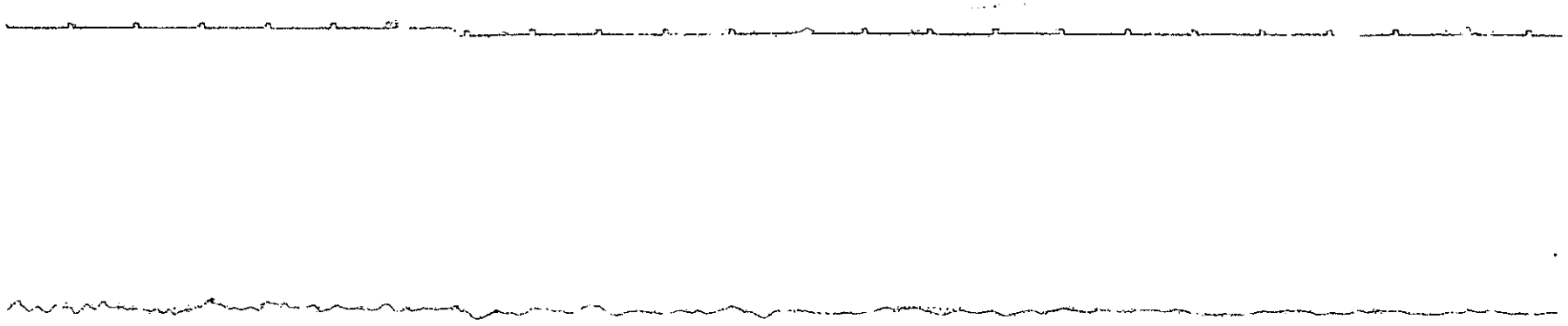
(S—559, KEIHINYAMASHITA—HEN—S, 04：26 on SEPTEMBER 30, 1970)







(S—564, SAKATA—S, 14:26 on OCTOBER 16, 1970)



APPENDIX A: New Response Spectra of 1968 Tokachi-Oki Earthquake Recorded at Aomori-S Station

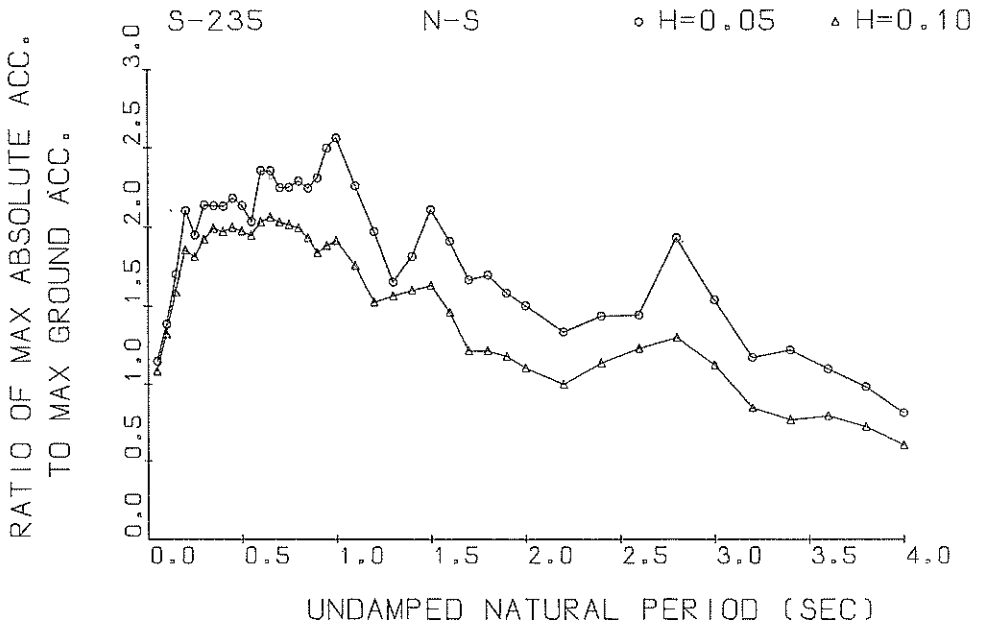
The response spectra of an accelerogram recorded at the Aomori-S station during the 1968 Tokachi-Oki earthquake were previously calculated and reported. 1) Recently it was found that the record lengths used for the spectrum calculation had not been sufficient and that the values of the previous spectra were a little smaller than true maximum responses of one-degree-of-freedom systems. The response spectra of the record were again calculated with considerably long portions of the record.

For the new calculation, first 130 seconds of each component of the accelerogram was used; and it was confirmed that the record lengths were sufficient by checking the times when the maximum responses appeared. The new spectra are shown graphically in the following figures; the numerical tables are also given.

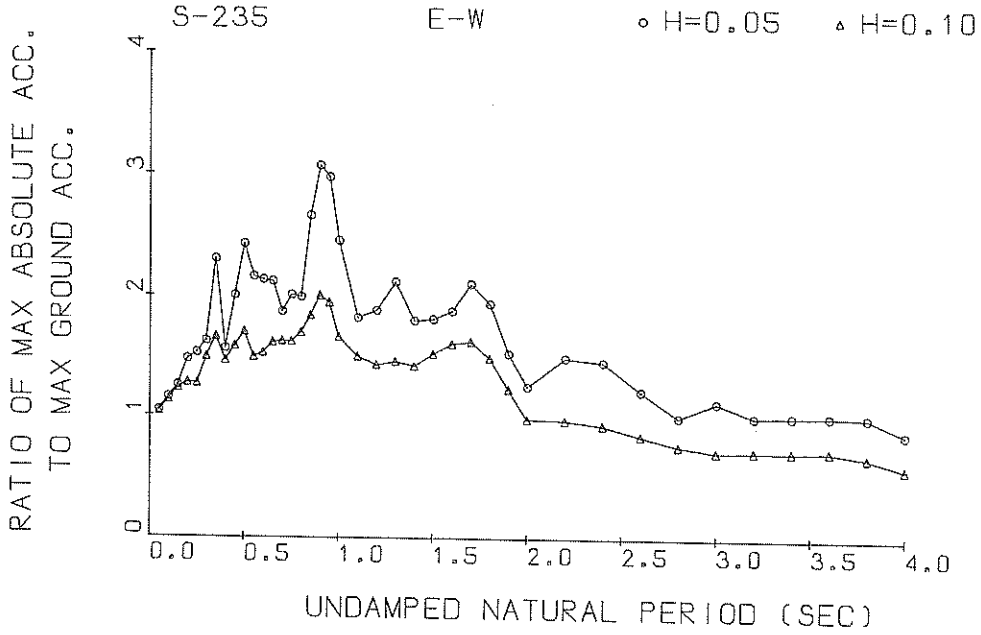
Preceeding the publication of each annual report, appropriateness of the record lengths for the spectrum calculation are carefully examined by checking the times of maximum response appèarance, which is always printed out during the calculation. Sometimes, responses of one-degree-of-freedom systems to some acceleration records are computed using full lengths of accelerograms with an analog computer to prove the appropriateness. Therefore, the authors believe that other response spectra in the annual reports have no problem like what appeared on the previous response spectra of the 1968 Tokachi-Oki earthquake recorded at the Aomori-S station.

Reference

1) Hajime Tsuchida, Eiichi Kurata and Katsuko Sudo: Strong-Motion Earthquake Records on the 1968 Tokachi-Oki Earthquake and its Aftershocks, Technical Note of the Port and Harbour Research Institute, No. 80, June 1969, 476p.



Response Spectra



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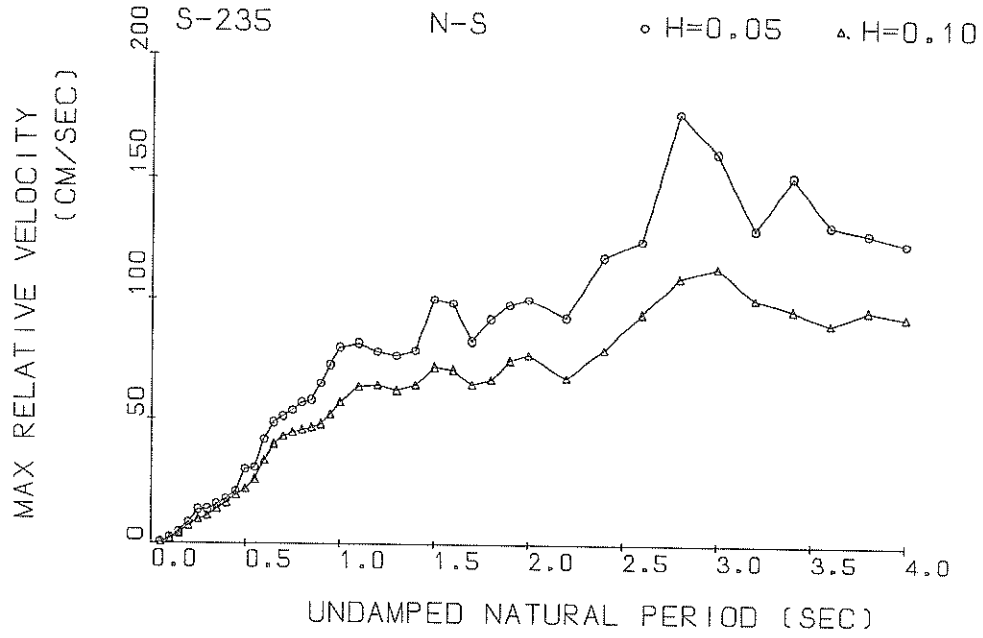

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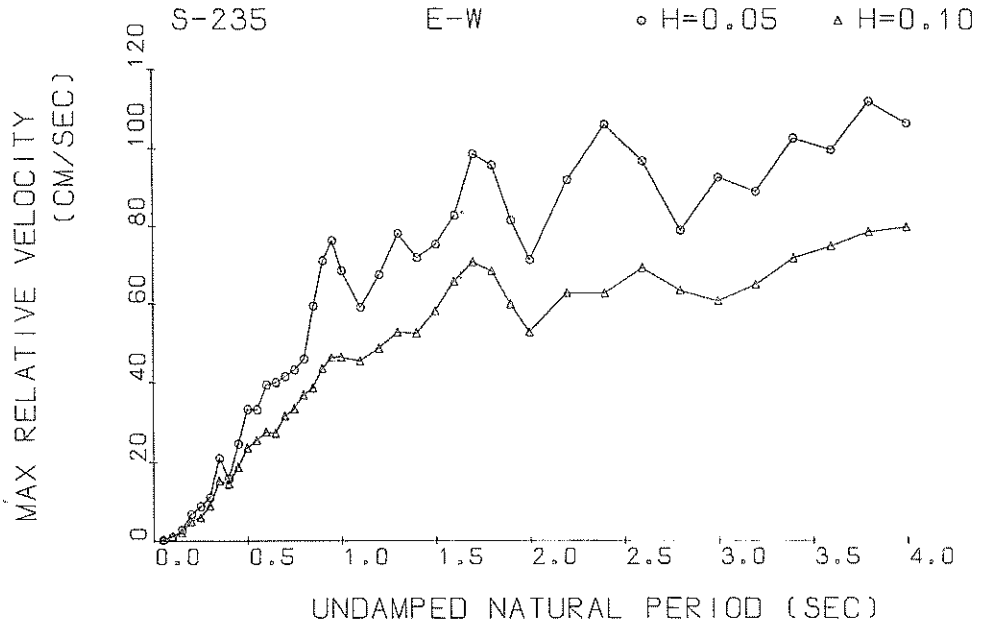

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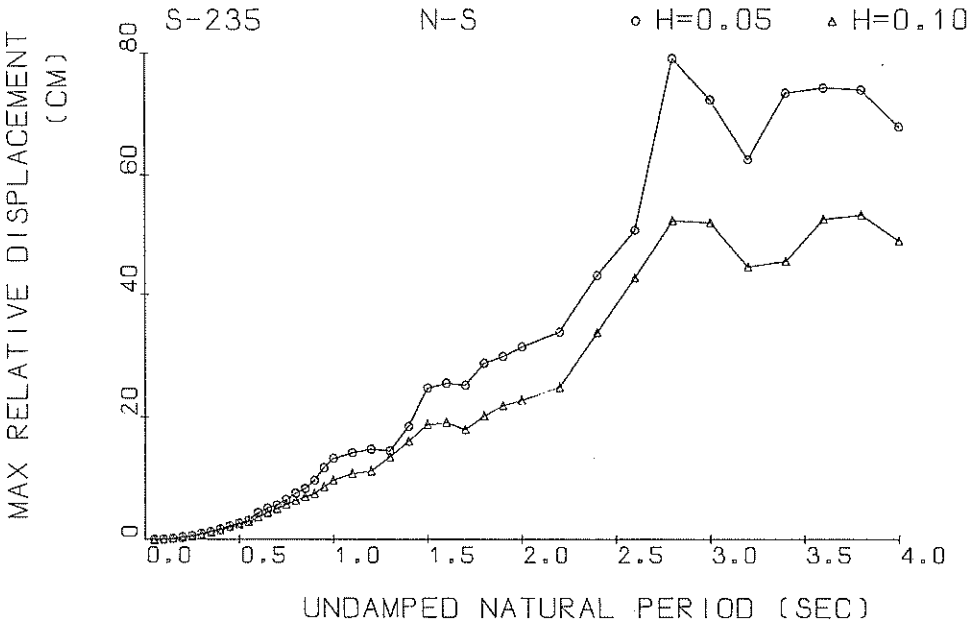
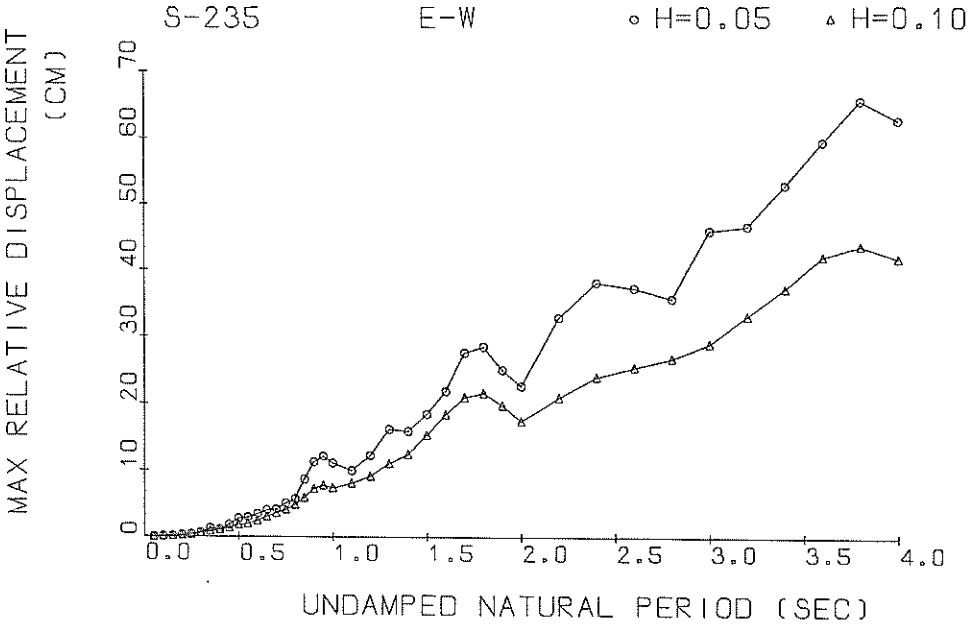


Response Spectra



Response Spectra

RESPONSE SPECTRUM

RECORD = S-235 N-S 1968. 5.16. 9.49
STATION = AOMORI-S INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100 (SEC) CORRECTION = ARC.ERR.
TIME LENGTH = 130.000 (SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 207.67(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.144	237.51	59.80	0.592	0.0151
0.100	1.381	286.75	98.54	2.201	0.0726
0.150	1.697	352.39	153.44	4.409	0.1996
0.200	2.101	436.31	234.24	8.248	0.4413
0.250	1.947	404.23	362.36	13.529	0.6407
0.300	2.136	443.61	296.23	13.783	1.0077
0.350	2.131	442.49	286.68	15.418	1.3656
0.400	2.127	441.69	298.89	17.521	1.7853
0.450	2.178	452.34	316.05	20.919	2.3114
0.500	2.130	442.35	372.87	29.821	2.7917
0.550	2.029	421.37	357.40	30.567	3.2193
0.600	2.349	487.78	451.18	41.920	4.4289
0.650	2.349	487.81	394.01	49.082	5.2024
0.700	2.242	465.68	407.47	51.450	5.7610
0.750	2.245	466.19	445.66	54.064	6.6160
0.800	2.285	474.61	491.55	57.358	7.6559
0.850	2.241	465.34	498.74	58.404	8.4830
0.900	2.306	478.82	481.55	65.078	9.7783
0.950	2.492	517.52	511.96	72.526	11.7766
1.000	2.558	531.19	533.27	80.227	13.3866
1.100	2.256	468.42	480.58	81.701	14.2817
1.200	1.968	408.76	421.99	78.466	14.8582
1.300	1.650	342.61	397.04	76.615	14.5862
1.400	1.811	376.16	370.06	78.971	18.5873
1.500	2.106	437.32	428.81	100.386	24.7976
1.600	1.907	396.13	395.07	98.496	25.5617
1.700	1.665	345.69	310.84	82.971	25.2138
1.800	1.695	352.09	345.93	92.354	28.7545
1.900	1.580	328.13	316.36	98.057	29.8645
2.000	1.499	311.33	305.12	100.496	31.4042
2.200	1.334	276.95	293.25	93.234	33.7811
2.400	1.434	297.69	311.97	118.346	43.2074
2.600	1.440	298.99	340.84	125.245	50.9301
2.800	1.929	400.57	434.68	177.816	79.1589
3.000	1.538	319.30	362.72	161.823	72.4500
3.200	1.169	242.83	312.51	130.438	62.6590
3.400	1.217	252.79	339.86	152.794	73.5321
3.600	1.097	227.86	355.17	132.192	74.3850
3.800	0.981	203.80	298.82	129.217	74.0719
4.000	0.813	168.87	267.52	124.871	67.9749

RESPONSE SPECTRUM

RECORD = S-235 N-S 1968. 5.16. 9.49
STATION = AOMORI-S INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100 (SEC) CORRECTION = ARC.ERR.
TIME LENGTH = 130.000 (SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 207.67(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.081	224.39	54.54	0.583	0.0142
0.100	1.321	274.25	86.92	2.111	0.0689
0.150	1.587	329.54	130.59	4.019	0.1862
0.200	1.854	385.05	182.99	6.997	0.3875
0.250	1.812	376.22	266.95	9.627	0.5899
0.300	1.922	399.21	215.30	11.076	0.9008
0.350	1.990	413.35	250.28	14.129	1.2667
0.400	1.969	408.89	261.94	16.280	1.6356
0.450	1.995	414.32	278.04	19.423	2.0979
0.500	1.972	409.52	286.32	22.093	2.5568
0.550	1.944	403.69	305.55	26.045	3.0517
0.600	2.031	421.78	321.03	33.634	3.7956
0.650	2.059	427.62	295.46	40.067	4.5167
0.700	2.028	421.06	352.86	43.399	5.1580
0.750	2.012	417.82	387.71	45.162	5.8669
0.800	1.993	413.79	420.21	46.234	6.5907
0.850	1.929	400.60	433.23	47.250	7.1849
0.900	1.837	381.43	429.13	48.486	7.6556
0.950	1.882	390.89	423.71	52.464	8.7781
1.000	1.913	397.24	406.35	57.742	9.8661
1.100	1.754	364.24	371.99	63.681	10.9372
1.200	1.522	316.09	355.36	64.404	11.3525
1.300	1.562	324.33	340.94	62.272	13.6124
1.400	1.598	331.89	325.16	64.445	16.1661
1.500	1.629	338.28	328.90	72.198	18.9059
1.600	1.458	302.77	297.16	71.336	19.2475
1.700	1.211	251.55	294.86	64.812	18.0408
1.800	1.213	251.82	288.45	67.177	20.2652
1.900	1.177	244.38	275.64	74.770	21.9231
2.000	1.103	229.09	264.61	77.292	22.8200
2.200	0.997	207.13	250.79	68.072	24.8847
2.400	1.135	235.64	249.75	79.884	33.7395
2.600	1.227	254.91	247.47	94.802	42.8257
2.800	1.298	269.61	273.89	109.794	52.5079
3.000	1.123	233.24	266.82	114.303	52.1768
3.200	0.846	175.73	251.29	101.134	44.7278
3.400	0.767	159.21	271.87	96.703	45.6555
3.600	0.791	164.34	275.66	90.894	52.7860
3.800	0.723	150.17	262.72	96.958	53.5002
4.000	0.601	124.74	258.78	94.243	49.1211

RESPONSE SPECTRUM

RECORD = S-235 E-W 1968, 5.16, 9.49
STATION = AOMORI-S INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100 (SEC) CORRECTION = ARC,ERR,
TIME LENGTH = 130.000 (SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX,GROUND ACC,= 179.91(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.044	187.90	21.01	0.269	0.0119
0.100	1.150	206.91	70.64	1.246	0.0524
0.150	1.252	225.26	107.44	2.897	0.1284
0.200	1.473	264.99	194.36	6.894	0.2695
0.250	1.525	274.37	229.76	8.918	0.4318
0.300	1.626	292.59	225.77	11.132	0.6655
0.350	2.307	415.09	354.85	21.017	1.2815
0.400	1.564	281.44	235.22	15.806	1.1384
0.450	2.007	361.11	309.68	24.644	1.8470
0.500	2.429	437.01	424.94	33.159	2.7513
0.550	2.160	388.65	411.57	33.053	2.9644
0.600	2.137	384.41	464.44	39.250	3.4896
0.650	2.122	381.79	432.17	39.932	4.0631
0.700	1.872	336.75	357.67	41.428	4.1580
0.750	2.010	361.56	419.86	43.051	5.1210
0.800	1.993	358.47	427.93	45.791	5.7907
0.850	2.662	478.86	426.91	59.284	8.7273
0.900	3.069	552.09	483.59	70.952	11.2812
0.950	2.974	535.09	501.23	76.184	12.1730
1.000	2.456	441.79	436.62	68.525	11.1333
1.100	1.819	327.20	347.47	58.904	9.9741
1.200	1.881	338.48	351.50	67.447	12.2827
1.300	2.117	380.78	410.57	78.033	16.2139
1.400	1.795	323.01	371.97	71.708	15.9560
1.500	1.811	325.85	331.30	75.200	18.4998
1.600	1.877	337.76	354.46	82.693	21.8036
1.700	2.104	378.60	383.61	98.455	27.5726
1.800	1.938	348.64	356.89	95.661	28.4682
1.900	1.527	274.78	295.12	81.428	25.0023
2.000	1.247	224.34	282.32	71.115	22.5899
2.200	1.492	268.37	269.72	91.837	32.7416
2.400	1.456	261.91	292.76	105.875	38.0179
2.600	1.213	218.17	271.83	96.673	37.1687
2.800	1.001	180.10	244.38	78.708	35.5920
3.000	1.123	202.10	231.26	92.363	45.8756
3.200	1.002	180.35	259.56	88.764	46.5359
3.400	1.007	181.18	258.36	102.532	52.7891
3.600	1.008	181.42	226.70	99.510	59.2685
3.800	1.001	180.10	231.79	111.672	65.5559
4.000	0.863	155.25	223.41	106.174	62.5917

RESPONSE SPECTRUM

RECORD = S-235 E-W 1968. 5.16. 9.49
STATION = AOMORI-S INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100 (SEC) CORRECTION = ARC.ERR.
TIME LENGTH = 130.000 (SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 179.91(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.032	185.59	19.57	0.263	0.0117
0.100	1.128	202.85	59.97	1.141	0.0513
0.150	1.226	220.63	75.10	2.090	0.1249
0.200	1.270	228.49	136.91	4.916	0.2309
0.250	1.265	227.61	155.82	5.944	0.3587
0.300	1.490	268.04	165.69	8.940	0.6063
0.350	1.658	298.22	251.53	15.053	0.9099
0.400	1.459	262.50	211.99	14.328	1.0528
0.450	1.581	284.47	253.39	18.626	1.4337
0.500	1.699	305.66	317.15	23.432	1.8986
0.550	1.490	268.11	318.73	25.295	2.0165
0.600	1.525	274.30	327.33	27.382	2.4563
0.650	1.614	290.39	289.66	27.078	3.0543
0.700	1.622	291.76	280.52	31.359	3.5597
0.750	1.621	291.55	325.29	33.229	4.0911
0.800	1.692	304.42	338.82	36.594	4.8698
0.850	1.835	330.20	325.12	38.406	5.9506
0.900	2.001	359.98	340.02	43.339	7.2672
0.950	1.943	349.55	309.71	46.145	7.8503
1.000	1.659	298.40	290.53	46.237	7.4211
1.100	1.498	269.47	263.28	45.243	8.1004
1.200	1.425	256.29	267.30	48.364	9.1634
1.300	1.456	261.98	281.66	52.481	11.0817
1.400	1.416	254.72	274.49	52.242	12.4752
1.500	1.520	273.48	267.34	57.949	15.3510
1.600	1.605	288.69	280.81	65.573	18.3829
1.700	1.623	292.00	295.62	70.562	20.9494
1.800	1.487	267.47	273.97	68.339	21.5052
1.900	1.226	220.58	229.69	59.581	19.7515
2.000	0.977	175.80	206.85	52.461	17.4335
2.200	0.967	174.04	186.48	62.650	20.8868
2.400	0.928	167.04	196.57	62.501	23.9194
2.600	0.843	151.58	193.13	69.053	25.3726
2.800	0.762	137.02	194.64	63.222	26.6831
3.000	0.717	128.98	207.83	60.366	28.9092
3.200	0.720	129.60	227.57	64.658	32.9386
3.400	0.717	129.02	228.95	71.538	37.0385
3.600	0.723	130.12	216.13	74.565	41.8940
3.800	0.674	121.35	203.18	78.320	43.5522
4.000	0.583	104.93	195.82	79.469	41.6757

APPENDIX B: Response Spectra of Earthquakes of May 18, 1940 in El Centro and of July 21, 1952 in Taft

The two strong-motion earthquake records listed below have been used quite frequently in earthquake engineering research and response analyses of structures, not only in the United States but also in Japan.

Date	Location	Mag.	Location of Instrument
1) May 18, 1940	Imperial Valley	6.3	El Centro
2) July 21, 1952	Kern County	7.7	Taft

One of the reasons why the two records were used so frequently is that there were very small number of records of large accelerations available, especially in digitized form. Another reason is that if one wish to compare results of response analyses of structures, the two records had a very large advantage because most of response analyses had been carried out with one of the two records or with both records. From those practical point of view, the two records began to be considered as a sort of standard earthquakes. The response spectra of these records are of large interest and importance for most of the engineers and researches engaged in earthquake engineering activities.

Under the circumstances, it is considered to be very convenient, if there are response spectra of the two records, which have same format to that of the response spectra in the annual reports and which yield to compare them directly to the response spectra previously reported.

Today, the computer technique guarantees on response spectrum calculation an accuracy which considerably higher than that required from the practices. However, if one wish to compare overall accuracy of his response spectrum calculation to that of the annual reports, the two records are suitable ones to be used for that.

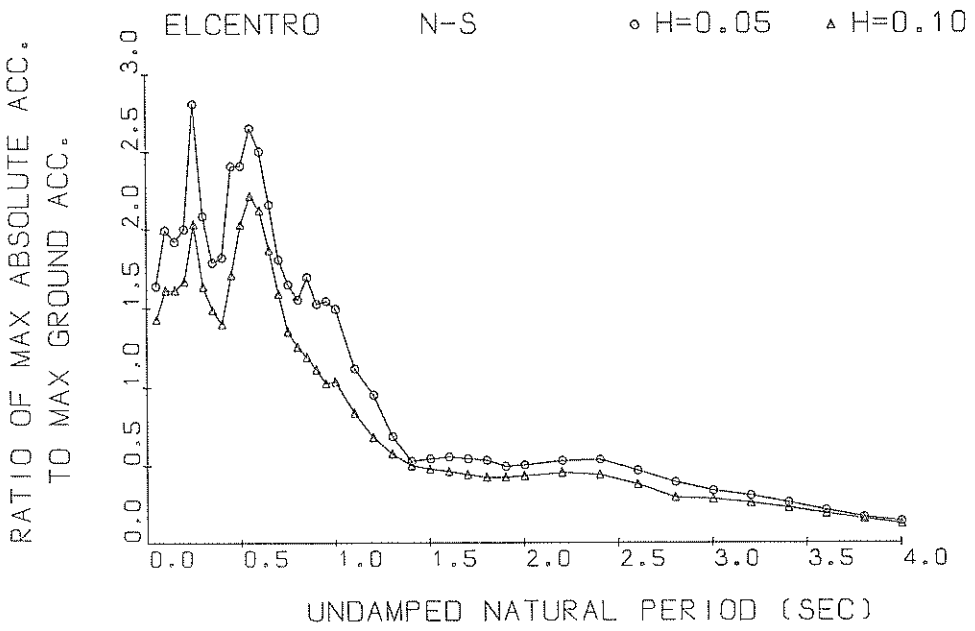
For those purposes described hereinbefore, the authors calculated response spectra of the two records by means of the computer program which is used to calculate most of the response spectra in the annual reports.

The accelerograms of the records digitized in the California Institute of Technology were used. 1) Since the response spectra in the annual reports were calculated with digitized accelerograms at equal time intervals, the original accelerograms were converted in a computer into the accelerograms of equal time intervals of 0.01 second by linear interpolation. No correction on the base-line location and the frequency characteristics of the instruments was applied. After the interpolation, the processing was completely same to the routine work for the annual reports.

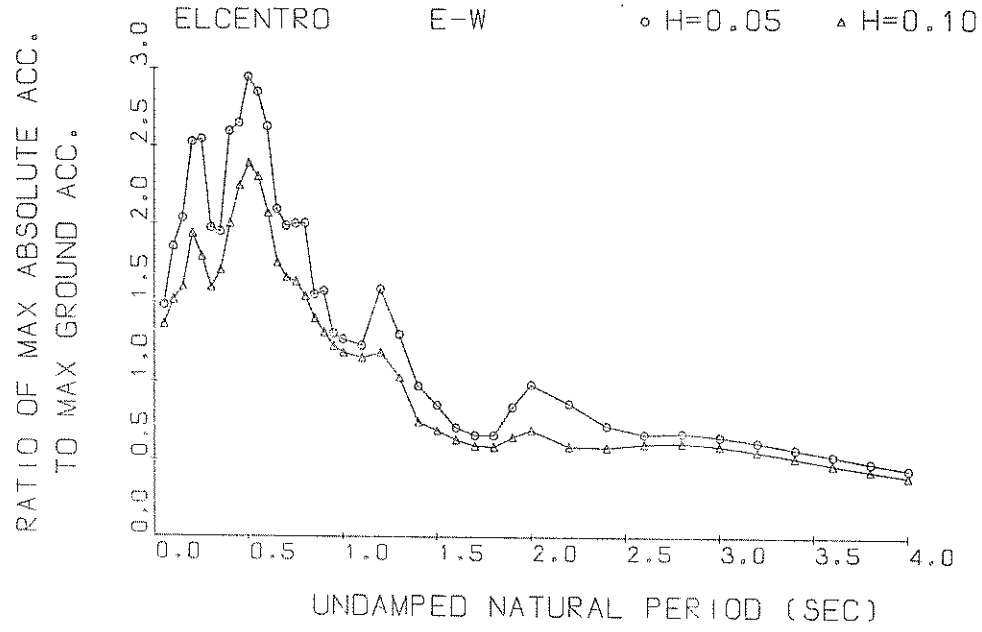
The calculated response spectra are shown in the figures and the tables.

Reference

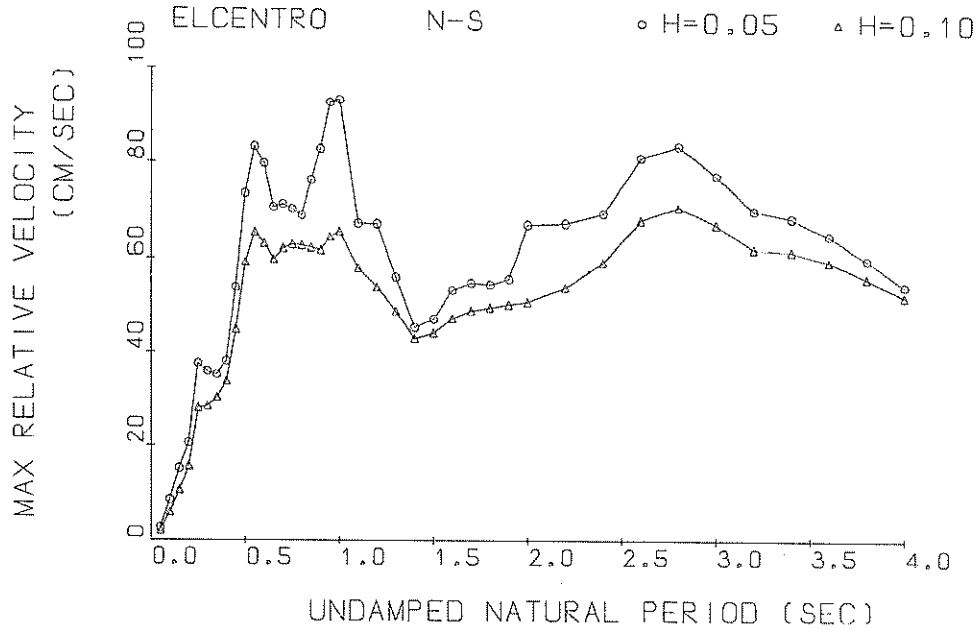
1) Strong-Motion Earthquake Accelerograms, Digitized and Plotted Data, Volume I - Uncorrected Accelerograms, Part A - Accelerograms IA1 through IA20, Earthquake Engineering Research Laboratory, California Institute of Technology, July 1969, 164p.



Response Spectra



Response Spectra



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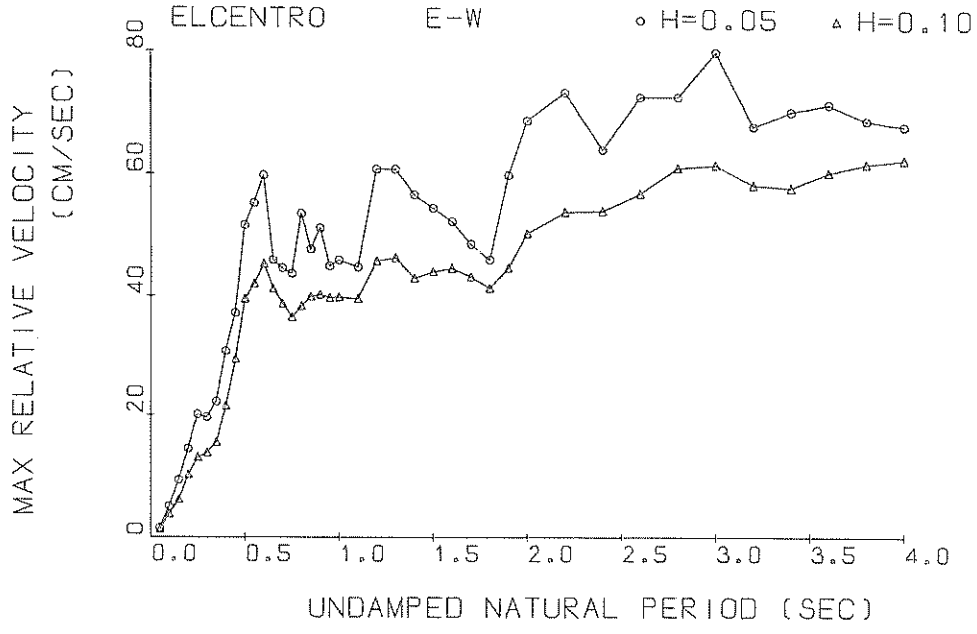

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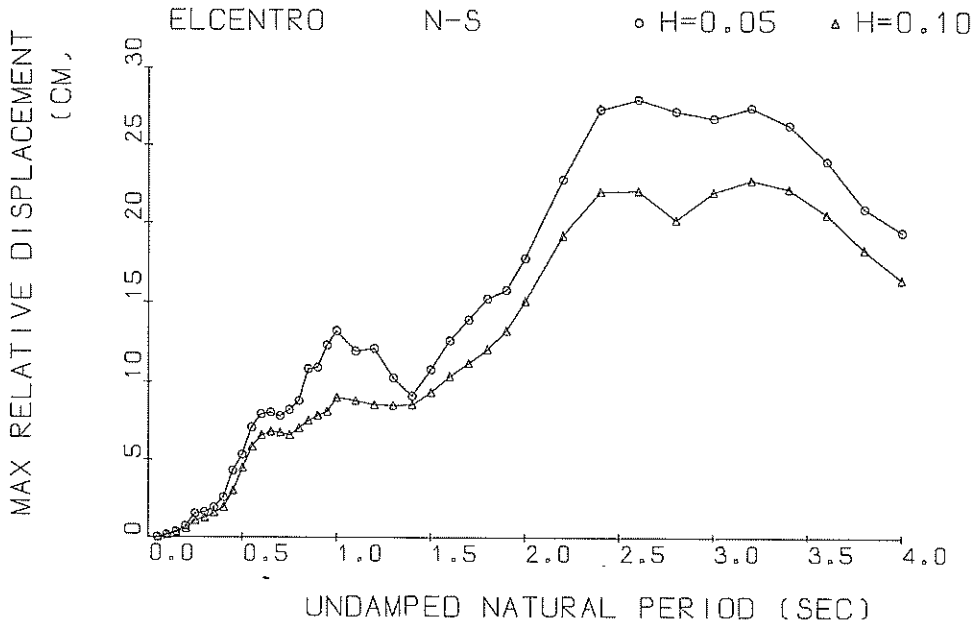
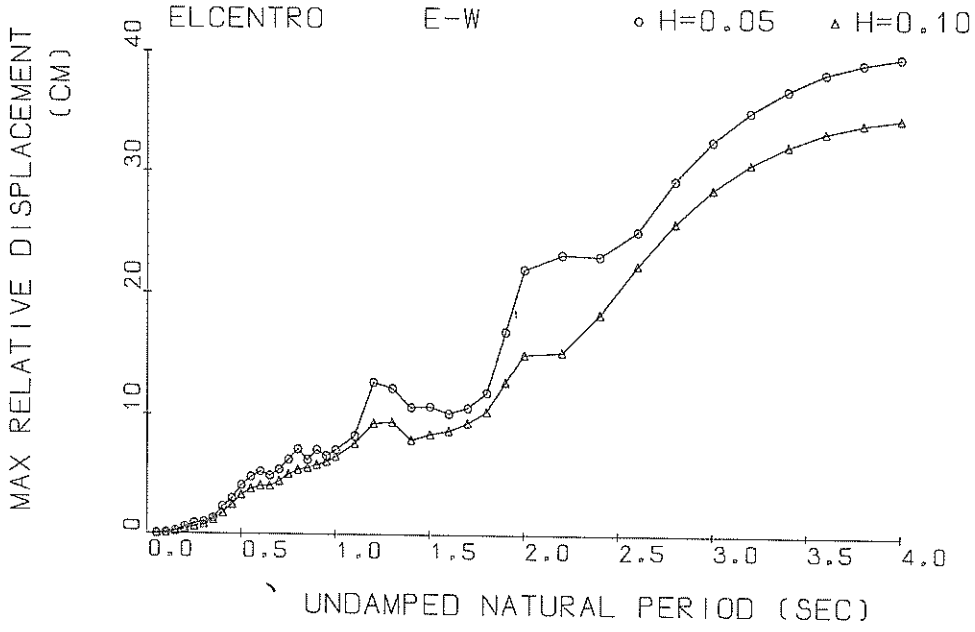


Response Spectra



Response Spectra

RESPONSE SPECTRUM

RECORD = ELCENTRO-S 1940-05-18
STATION = ELCENTRO INPUT SIGNAL = GR,ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =53.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 352.51(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.637	577.03	625.19	2.613	0.0364
0.100	1.991	701.82	518.26	8.503	0.1762
0.150	1.918	676.02	719.66	15.102	0.3873
0.200	1.998	704.26	725.87	20.549	0.7148
0.250	2.807	989.44	993.59	37.680	1.5497
0.300	2.079	732.96	979.12	35.995	1.6593
0.350	1.786	629.60	697.36	35.225	1.9404
0.400	1.818	640.95	586.09	38.163	2.5921
0.450	2.405	847.86	785.71	53.895	4.3337
0.500	2.407	848.64	1008.68	73.480	5.3381
0.550	2.650	934.17	1214.12	83.368	7.1112
0.600	2.500	881.29	1162.95	79.819	7.9859
0.650	2.155	759.83	993.48	70.726	8.0825
0.700	1.803	635.51	828.46	71.391	7.8412
0.750	1.649	581.18	695.66	70.427	8.2418
0.800	1.551	546.86	595.96	68.961	8.8285
0.850	1.692	596.41	649.29	76.489	10.8537
0.900	1.524	537.27	742.96	83.015	10.9559
0.950	1.542	543.67	713.98	92.870	12.3525
1.000	1.494	526.49	736.44	93.414	13.2567
1.100	1.117	393.87	657.19	67.407	11.9784
1.200	0.949	334.56	490.15	67.322	12.1405
1.300	0.686	241.88	491.32	56.178	10.2976
1.400	0.526	185.58	482.02	45.552	9.1564
1.500	0.542	191.00	465.60	47.361	10.8273
1.600	0.556	196.05	446.20	53.531	12.6437
1.700	0.543	191.44	425.93	55.053	13.9381
1.800	0.532	187.66	406.67	54.731	15.2730
1.900	0.493	173.88	389.66	55.905	15.8238
2.000	0.502	176.82	374.87	67.374	17.8214
2.200	0.531	187.13	385.65	67.672	22.7910
2.400	0.537	189.19	403.13	69.652	27.3506
2.600	0.467	164.68	398.76	81.409	28.0293
2.800	0.393	138.42	378.54	84.018	27.2533
3.000	0.337	118.74	351.57	77.795	26.7985
3.200	0.304	107.26	333.60	70.441	27.4725
3.400	0.259	91.40	333.54	68.951	26.3545
3.600	0.210	74.07	332.74	65.209	24.0009
3.800	0.164	57.83	331.49	60.230	20.9427
4.000	0.138	48.80	329.96	54.762	19.4673

RESPONSE SPECTRUM

RECORD = ELCENTRO-S 1940-05-18
STATION = ELCENTRO INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =53.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX,GROUND ACC.= 352.51(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.424	501.97	248.20	2.116	0.0314
0.100	1.611	567.84	354.32	5.849	0.1422
0.150	1.610	567.47	524.04	10.486	0.3183
0.200	1.664	586.58	586.78	15.581	0.5791
0.250	2.026	714.33	732.32	28.055	1.1053
0.300	1.633	575.50	860.35	28.418	1.2728
0.350	1.485	523.49	652.88	30.305	1.6005
0.400	1.399	493.02	563.68	33.763	1.9582
0.450	1.705	601.01	683.86	44.975	3.0308
0.500	2.025	713.99	906.76	59.268	4.4679
0.550	2.210	779.19	1048.44	65.475	5.8463
0.600	2.114	745.37	1036.65	63.081	6.6110
0.650	1.861	656.17	933.79	59.812	6.8355
0.700	1.589	560.05	812.14	62.100	6.7735
0.750	1.350	476.00	705.68	62.805	6.6121
0.800	1.255	442.39	621.64	62.703	7.0409
0.850	1.190	419.63	555.64	62.257	7.5302
0.900	1.113	392.20	553.83	61.786	7.8779
0.950	1.026	361.64	539.50	64.466	8.1181
1.000	1.036	365.24	537.42	65.704	9.0297
1.100	0.838	295.45	538.25	57.956	8.8340
1.200	0.660	239.77	469.16	54.037	8.5552
1.300	0.574	202.39	455.66	48.905	8.5361
1.400	0.499	175.98	451.50	43.145	8.5465
1.500	0.477	168.02	441.27	44.310	9.3515
1.600	0.463	166.10	427.64	47.353	10.3709
1.700	0.442	155.68	412.72	49.080	11.1930
1.800	0.425	149.80	397.97	49.776	12.0645
1.900	0.424	149.53	384.24	50.425	13.2620
2.000	0.434	153.12	371.97	50.911	15.0964
2.200	0.456	160.76	373.12	54.091	19.2141
2.400	0.444	156.65	384.18	59.415	21.9925
2.600	0.381	134.28	381.67	68.260	22.0440
2.800	0.295	104.08	367.57	70.986	20.1915
3.000	0.286	100.64	348.21	67.540	21.9670
3.200	0.261	91.86	334.17	62.393	22.7497
3.400	0.227	79.89	334.39	61.964	22.1754
3.600	0.191	67.39	333.90	59.742	20.5832
3.800	0.155	54.71	332.96	56.368	18.3522
4.000	0.122	43.14	331.73	52.415	16.4787

RESPONSE SPECTRUM

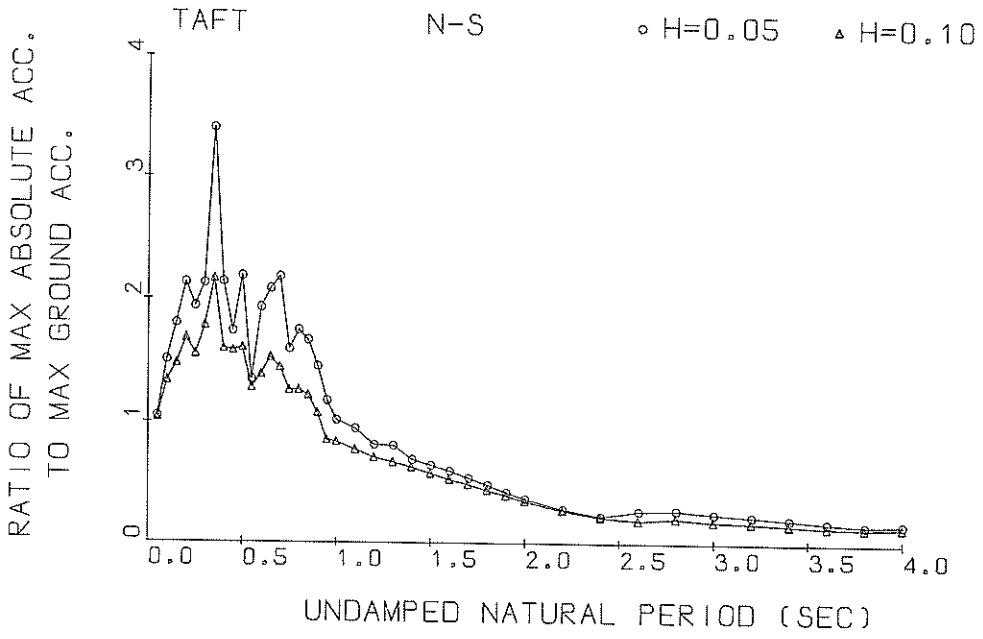
RECORD = ELCENTROE-W 1940-05-18
STATION = ELCENTRO INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =53.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX,GROUND ACC,= 220.67(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.484	327.55	179.43	1.437	0.0207
0.100	1.853	408.89	300.49	4.944	0.1030
0.150	2.033	448.56	360.96	9.293	0.2576
0.200	2.524	556.98	506.74	14.443	0.5654
0.250	2.543	561.06	528.40	20.160	0.8890
0.300	1.972	435.06	426.62	19.662	0.9914
0.350	1.946	429.52	405.54	22.178	1.3307
0.400	2.594	572.51	511.14	30.685	2.3155
0.450	2.646	583.99	612.85	37.151	2.9843
0.500	2.945	649.91	671.16	51.666	4.1012
0.550	2.850	628.94	617.59	55.279	4.7947
0.600	2.625	579.27	656.49	59.740	5.2625
0.650	2.089	461.02	581.01	46.011	4.9147
0.700	1.984	437.92	476.14	44.695	5.4132
0.750	1.996	440.54	503.26	43.838	6.2512
0.800	2.001	441.60	531.66	53.568	7.1317
0.850	1.553	342.61	421.68	47.777	6.2426
0.900	1.574	347.30	426.06	51.199	7.0973
0.950	1.309	288.83	356.73	45.012	6.5745
1.000	1.274	281.07	347.13	45.970	7.0860
1.100	1.233	272.03	345.63	44.931	8.2933
1.200	1.587	350.10	435.88	60.787	12.6976
1.300	1.302	287.21	398.67	60.756	12.2274
1.400	0.976	215.37	300.44	56.648	10.6454
1.500	0.853	188.34	300.08	54.445	10.6990
1.600	0.711	156.88	265.55	52.309	10.1592
1.700	0.660	145.55	264.13	48.638	10.6013
1.800	0.661	145.77	266.90	46.085	11.8735
1.900	0.840	185.34	311.75	59.803	16.8622
2.000	0.985	217.40	324.51	68.693	21.9309
2.200	0.861	190.08	356.28	73.260	23.1287
2.400	0.719	158.69	255.01	63.976	23.0079
2.600	0.666	146.99	261.90	72.559	25.0375
2.800	0.672	148.25	281.14	72.607	29.1980
3.000	0.651	143.64	293.00	79.979	32.4770
3.200	0.615	135.68	321.38	87.816	34.9266
3.400	0.572	126.20	280.42	70.223	36.7389
3.600	0.530	116.88	266.30	71.353	38.1132
3.800	0.486	107.22	268.09	68.760	38.9494
4.000	0.445	98.10	265.82	67.793	39.4619

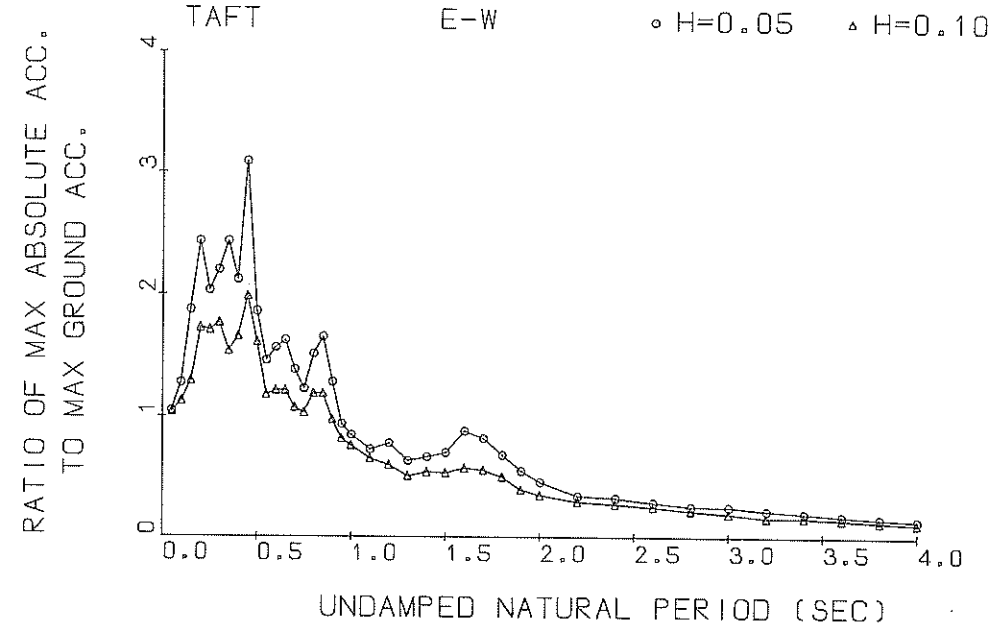
RESPONSE SPECTRUM

RECORD = ELCENTROE-W 1940-05-18
STATION = ELCENTRO INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =53.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX,GROUND ACC,= 220.67(GAL)

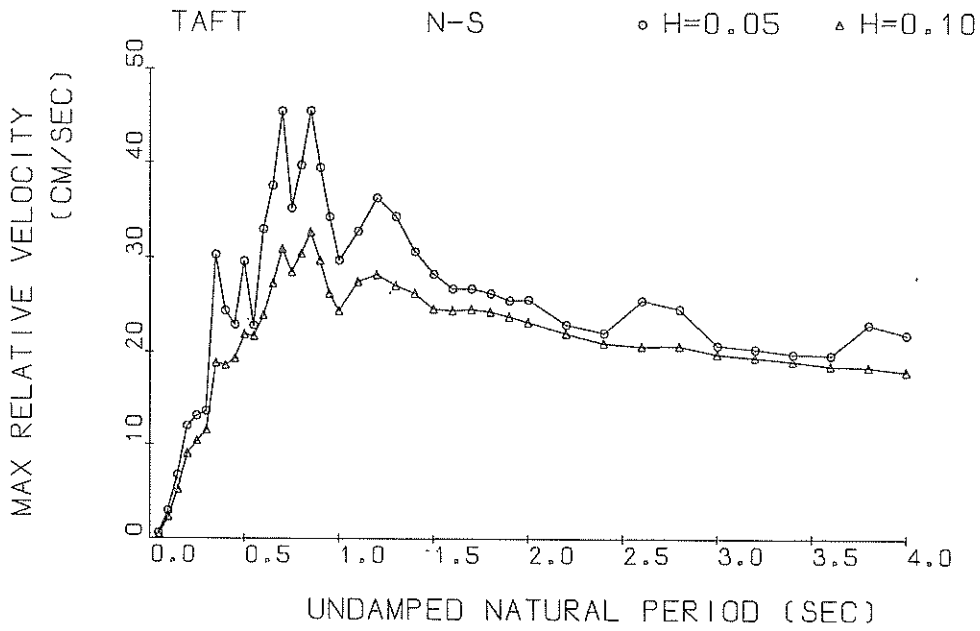
PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.365	301.15	152.91	1.314	0.0190
0.100	1.520	335.38	246.42	3.778	0.0843
0.150	1.599	352.89	236.29	6.139	0.2005
0.200	1.937	427.45	356.49	10.193	0.4253
0.250	1.792	395.51	371.33	13.035	0.6153
0.300	1.597	352.48	315.44	13.808	0.7944
0.350	1.704	375.98	321.91	15.579	1.1573
0.400	2.000	441.30	376.00	21.480	1.7673
0.450	2.239	494.04	488.78	29.375	2.4945
0.500	2.385	526.24	512.28	39.452	3.2767
0.550	2.298	507.17	509.68	42.094	3.8200
0.600	2.062	455.00	532.69	45.331	4.0628
0.650	1.750	386.20	505.50	41.138	4.0499
0.700	1.657	365.56	446.66	38.649	4.4610
0.750	1.631	359.81	440.20	36.373	5.0276
0.800	1.538	339.41	444.69	38.255	5.4193
0.850	1.398	308.43	415.94	39.850	5.5648
0.900	1.310	289.00	391.39	40.181	5.8399
0.950	1.226	270.44	367.55	39.684	6.0838
1.000	1.185	261.60	355.66	39.739	6.5163
1.100	1.150	253.83	352.13	39.471	7.6244
1.200	1.184	261.30	377.17	45.818	9.3089
1.300	1.024	226.01	365.15	46.349	9.4311
1.400	0.741	163.44	306.93	42.958	7.9360
1.500	0.685	151.17	292.94	44.082	8.4141
1.600	0.626	138.16	281.69	44.652	8.7193
1.700	0.588	129.80	242.89	43.245	9.3678
1.800	0.581	128.15	246.87	41.280	10.2763
1.900	0.643	141.87	252.69	44.719	12.7424
2.000	0.688	151.83	288.08	50.315	14.9980
2.200	0.583	128.55	307.15	53.834	15.1949
2.400	0.577	127.34	258.22	53.962	18.2969
2.600	0.600	132.32	254.94	56.854	22.2569
2.800	0.604	133.35	249.89	61.050	25.7215
3.000	0.587	129.45	257.45	61.463	28.4853
3.200	0.553	122.10	274.77	58.171	30.5682
3.400	0.513	113.17	261.87	57.770	32.0811
3.600	0.470	103.77	245.38	60.247	33.2331
3.800	0.432	95.44	249.18	61.670	33.9458
4.000	0.396	87.39	249.42	62.307	34.3591



Response Spectra



Response Spectra



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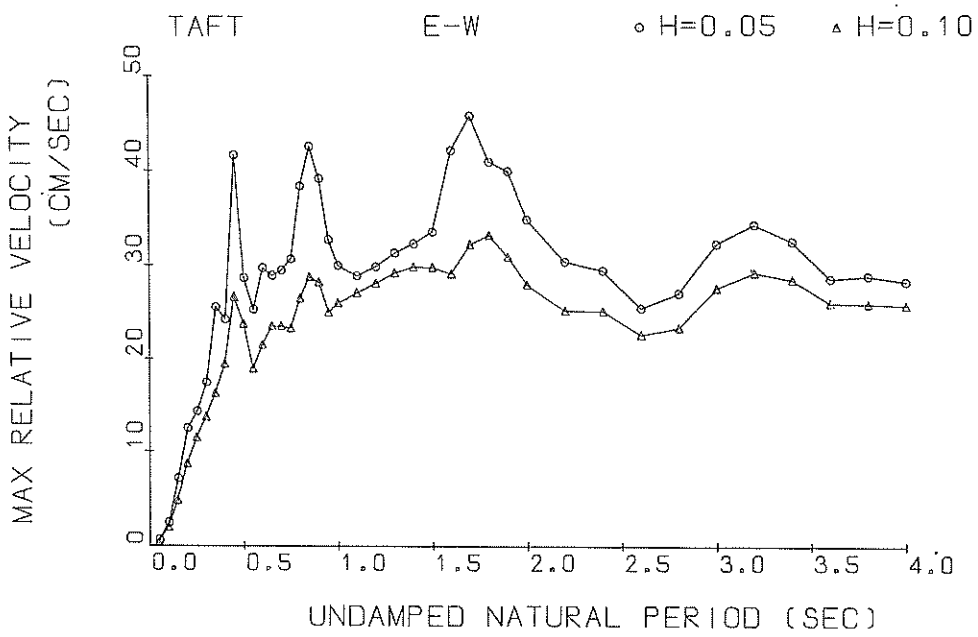

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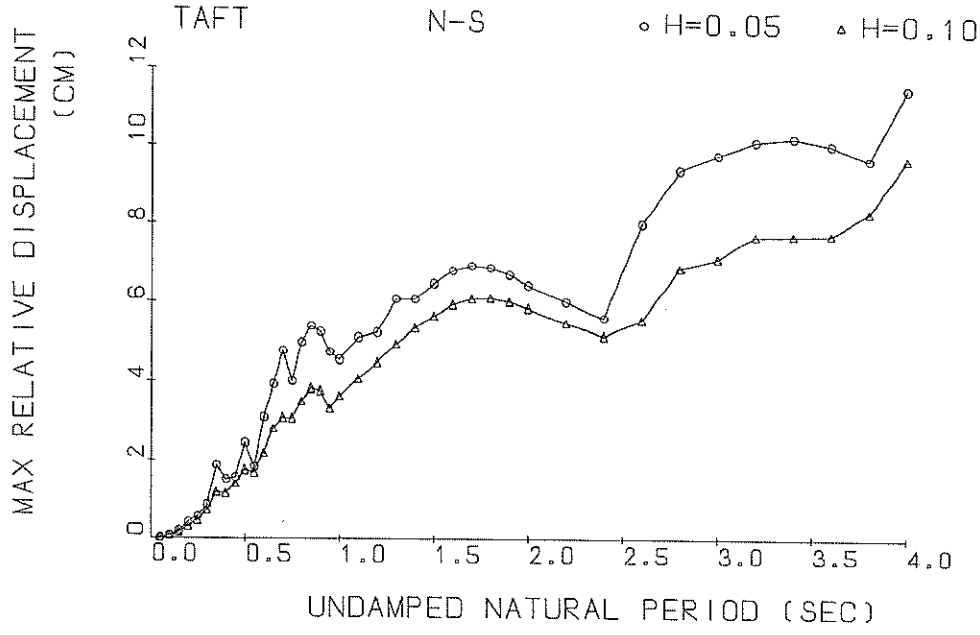
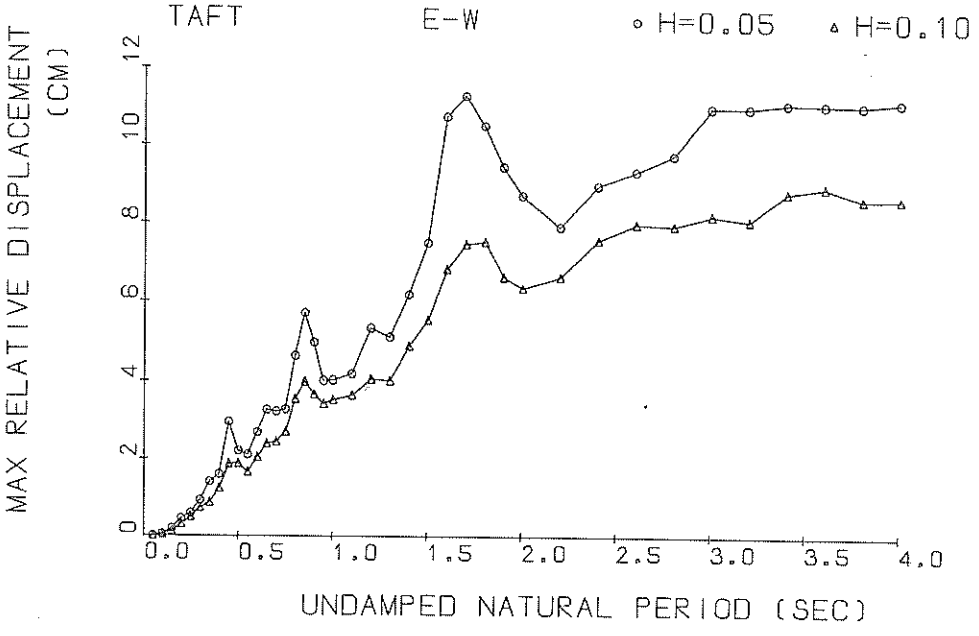


Response Spectra



Response Spectra

RESPONSE SPECTRUM

RECORD = TAFT N-S 1952-07-21
STATION = INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =54.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 176.70(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.049	185.37	47.55	0.527	0.0117
0.100	1.506	266.16	161.38	2.920	0.0672
0.150	1.804	318.75	274.61	6.722	0.1800
0.200	2.133	376.92	371.23	12.044	0.3799
0.250	1.943	343.33	384.57	18.148	0.5399
0.300	2.130	376.35	366.04	16.684	0.8561
0.350	3.407	602.01	645.44	30.318	1.8569
0.400	2.143	378.66	498.56	24.454	1.5229
0.450	1.745	308.33	387.91	23.009	1.5745
0.500	2.192	387.25	451.89	29.664	2.4366
0.550	1.352	238.98	287.28	22.903	1.8199
0.600	1.940	342.72	326.13	33.025	3.1124
0.650	2.092	369.59	412.53	37.627	3.9341
0.700	2.188	386.55	442.62	45.476	4.7700
0.750	1.603	283.30	399.84	35.232	4.0126
0.800	1.757	310.49	400.96	39.784	5.0031
0.850	1.679	296.61	404.80	45.487	5.3947
0.900	1.460	257.93	369.62	39.518	5.2549
0.950	1.184	209.14	371.43	34.344	4.7439
1.000	1.026	181.31	318.19	29.790	4.5662
1.100	0.954	168.58	264.20	32.867	5.1308
1.200	0.820	144.96	244.39	36.322	5.2467
1.300	0.812	143.54	292.66	34.377	6.0870
1.400	0.698	123.39	251.42	30.704	6.0877
1.500	0.647	114.40	236.90	28.375	6.4952
1.600	0.599	105.89	265.51	26.837	6.8178
1.700	0.543	95.97	229.17	26.836	6.9570
1.800	0.482	85.25	220.05	26.345	6.9113
1.900	0.422	74.63	218.37	25.593	6.7323
2.000	0.367	64.84	208.75	25.661	6.4834
2.200	0.285	50.27	201.11	23.035	6.0460
2.400	0.221	39.06	189.41	22.114	5.6615
2.600	0.268	47.38	177.45	25.573	8.0645
2.800	0.273	48.17	193.78	24.663	9.4398
3.000	0.246	43.42	196.73	20.784	9.8463
3.200	0.223	39.48	189.51	20.368	10.1995
3.400	0.200	35.34	179.14	19.881	10.3003
3.600	0.175	30.96	170.79	19.771	10.1192
3.800	0.152	26.78	166.48	23.036	9.7436
4.000	0.163	28.78	165.95	21.968	11.5869

RESPONSE SPECTRUM

RECORD = TAFT N-S 1952-07-21
STATION = INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =54.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 176.70(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.035	182.81	38.44	0.415	0.0115
0.100	1.337	236.18	130.18	2.301	0.0596
0.150	1.475	260.59	201.86	5.169	0.1476
0.200	1.685	297.82	288.79	9.025	0.2958
0.250	1.551	274.11	273.74	10.398	0.4295
0.300	1.785	315.39	248.28	11.580	0.7087
0.350	2.163	382.26	429.35	18.866	1.1611
0.400	1.598	282.28	297.63	18.611	1.1287
0.450	1.583	279.64	303.02	19.358	1.4035
0.500	1.607	284.02	344.63	21.897	1.7528
0.550	1.281	226.27	286.58	21.737	1.6929
0.600	1.389	245.37	262.61	23.956	2.1953
0.650	1.530	270.37	311.28	27.338	2.8293
0.700	1.447	255.60	314.02	30.971	3.1125
0.750	1.260	222.67	319.18	28.559	3.0901
0.800	1.263	223.17	314.07	30.453	3.5194
0.850	1.223	216.07	318.51	32.700	3.8472
0.900	1.080	190.92	305.37	29.765	3.7928
0.950	0.856	151.24	312.28	26.293	3.3294
1.000	0.841	148.61	297.27	24.479	3.6706
1.100	0.773	136.59	246.21	27.543	4.0784
1.200	0.708	125.14	223.18	28.292	4.4953
1.300	0.672	118.74	245.91	27.143	4.9727
1.400	0.628	111.01	226.80	26.324	5.3623
1.500	0.577	102.01	216.96	24.656	5.6797
1.600	0.530	93.72	217.67	24.495	5.9550
1.700	0.487	86.00	214.68	24.622	6.1083
1.800	0.440	77.68	209.14	24.381	6.1289
1.900	0.392	69.34	202.40	23.893	6.0415
2.000	0.348	61.47	196.06	23.275	5.8888
2.200	0.272	48.14	189.03	22.065	5.5136
2.400	0.216	38.15	182.97	21.048	5.2000
2.600	0.188	33.30	177.48	20.721	5.5958
2.800	0.206	36.46	186.23	20.739	6.9219
3.000	0.182	32.18	188.68	19.890	7.1920
3.200	0.172	30.35	185.33	19.539	7.7612
3.400	0.154	27.13	179.57	19.118	7.7832
3.600	0.138	24.37	174.37	18.635	7.8124
3.800	0.133	23.50	171.20	18.489	8.3810
4.000	0.140	24.71	170.23	17.985	9.7452

RESPONSE SPECTRUM

RECORD = TAFT E-W 1952-07-21
STATION = INPUT SIGNAL = GR.ACC.
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =54.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 188.81(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.047	197.74	66.33	0.645	0.0125
0.100	1.282	242.02	137.79	2.452	0.0612
0.150	1.877	354.46	287.70	7.101	0.1999
0.200	2.437	460.07	361.95	12.447	0.4632
0.250	2.035	384.20	360.31	14.255	0.6028
0.300	2.203	415.91	373.05	17.365	0.9432
0.350	2.467	460.11	466.64	25.507	1.4215
0.400	2.126	401.43	455.23	24.151	1.6166
0.450	3.090	583.33	589.83	41.554	2.9715
0.500	1.867	352.43	407.22	28.529	2.2168
0.550	1.473	278.03	354.59	25.216	2.1206
0.600	1.577	297.66	388.81	29.581	2.7030
0.650	1.638	309.25	360.33	28.794	3.2904
0.700	1.395	263.41	349.82	29.321	3.2524
0.750	1.237	233.51	352.79	30.558	3.3009
0.800	1.525	287.88	372.77	38.239	4.6392
0.850	1.666	314.56	408.61	42.397	5.7167
0.900	1.292	243.92	320.65	39.043	4.9826
0.950	0.941	177.61	274.07	32.583	4.0274
1.000	0.851	160.60	242.39	29.829	4.0432
1.100	0.730	137.88	221.50	28.744	4.2045
1.200	0.780	147.22	218.03	29.715	5.3392
1.300	0.636	120.14	232.54	31.216	5.1198
1.400	0.666	125.83	249.11	32.147	6.1902
1.500	0.702	132.57	255.54	33.411	7.4968
1.600	0.883	166.79	259.99	41.995	10.7465
1.700	0.821	155.01	260.79	45.617	11.2933
1.800	0.683	128.92	250.76	40.784	10.5072
1.900	0.551	104.10	250.57	39.804	9.4535
2.000	0.462	87.14	249.19	34.691	8.7067
2.200	0.344	64.89	244.50	30.235	7.9160
2.400	0.328	62.02	238.84	29.309	8.9593
2.600	0.294	55.42	233.18	25.342	9.3434
2.800	0.262	49.53	227.93	26.926	9.7515
3.000	0.257	48.47	223.24	32.142	10.9817
3.200	0.226	42.68	219.11	34.147	10.9830
3.400	0.203	38.30	215.53	32.363	11.0897
3.600	0.181	34.19	212.43	28.421	11.0717
3.800	0.161	30.32	209.75	28.698	11.0486
4.000	0.146	27.52	207.44	28.116	11.1351

RESPONSE SPECTRUM

RECORD = TAFT E&W 1952-07-21
STATION = INPUT SIGNAL = GR,ACC,
SAMPLING INTERVAL = 0.0100(SEC) CORRECTION =
TIME LENGTH =54.0000(SEC) SKIPPED LENGTH = 0. (SEC)
DAMPING COEFFICIENT = 0.100 MAX,GROUND ACC.= 188.81(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.041	196.61	45.85	0.467	0.0124
0.100	1.129	213.10	117.76	1.981	0.0537
0.150	1.298	245.09	206.78	4.772	0.1363
0.200	1.732	326.95	279.06	8.654	0.3261
0.250	1.718	324.28	301.15	11.447	0.5066
0.300	1.775	335.06	295.71	13.666	0.7545
0.350	1.544	291.48	309.61	16.210	0.8914
0.400	1.669	315.14	359.44	19.394	1.2589
0.450	1.987	375.15	360.11	26.598	1.8908
0.500	1.618	305.53	329.16	23.690	1.8972
0.550	1.183	223.30	288.50	18.888	1.6755
0.600	1.218	230.04	274.87	21.477	2.0621
0.650	1.221	230.46	284.10	23.472	2.4098
0.700	1.076	203.24	296.48	23.460	2.4622
0.750	1.036	195.66	305.35	23.204	2.7248
0.800	1.194	225.36	309.51	26.410	3.5675
0.850	1.192	225.15	319.91	28.654	4.0063
0.900	0.978	184.71	277.64	28.126	3.6930
0.950	0.819	154.67	226.46	24.913	3.4451
1.000	0.762	143.78	202.17	25.933	3.5461
1.100	0.654	123.42	208.90	27.017	3.6739
1.200	0.601	113.38	204.21	28.012	4.0713
1.300	0.510	96.30	206.12	29.084	4.0330
1.400	0.541	102.21	223.77	29.706	4.8866
1.500	0.536	101.18	225.10	29.687	5.5357
1.600	0.575	108.53	261.96	29.009	6.8317
1.700	0.558	105.43	266.45	32.130	7.4555
1.800	0.502	94.81	238.91	33.095	7.5179
1.900	0.396	74.81	239.82	30.788	6.6303
2.000	0.352	66.50	239.60	27.829	6.3518
2.200	0.301	56.87	237.10	25.079	6.6329
2.400	0.282	53.26	263.26	25.039	7.5563
2.600	0.260	49.02	229.05	22.518	7.9754
2.800	0.226	42.73	224.93	23.231	7.9434
3.000	0.201	37.94	221.10	27.465	8.2039
3.200	0.168	31.71	217.64	29.094	8.0705
3.400	0.167	31.62	214.57	28.314	8.7892
3.600	0.155	29.18	211.86	25.893	8.9194
3.800	0.134	25.31	209.49	25.771	8.6200
4.000	0.118	22.26	207.41	25.610	8.6309

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