International Seismological Centre

REVIEW OF RESEARCH FOR DISASTER PREVENTION
No. 7

SEISMOLOGICAL DATA OF MATSUSHIRO EARTHQUAKE SWARM (REPORT II)

OBSERVATIONS BY THE NETWORK OF THE EARTHQUAKE RESEARCH INSTITUTE, THE UNIVERSITY OF TOKYO, DURING THE PERIOD FROM OCTOBER 1965 TO DECEMBER 1966

防 災 科 学 技 術 研 究 資 料

第 7 号

松 代 群 発 地 震 観 測 資 料 (第2報)

昭和 44 年 3 月

科 学 技 術 庁

国立防災科学技術センター

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国立防災科学技術センター刊行物

1. 国立防災科学技術センター研究報告

第 1 号　気象レーダのエコーを電子計算機により実時間解析する可能性について，p.1－13；天竜川佐久間の洪水予報方式について，p.15－35；高速A－D，D－A変換器を持つデータ処理機TOSBAC－3400のプログラミング例(1)，p.37－43；気象資料の長期変動について ― 月平均気圧・月平均気温・月雨量のスペクトル解析 ―，p.45－86，昭和43年3月発行

2. 国立防災科学技術センター研究速報

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3. 防災科学技術総合研究報告

第 1 号　火山性地すべりの発生機構および予知に関する研究（第1報）56 p.　折込み図版4枚　昭和40年3月発行

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第 10 号　北陸地方における主として空中写真を利用した雪害に関する基礎的ならびに応用的研究（第4報）86 p.　昭和41年3月発行

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第 14 号　風化花崗岩地帯におけるがけくずれ・山くずれ等の機構および予知に関する研究（第1報）127 p.　折込み図版4枚　昭和43年3月発行

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4. 防災科学技術総合研究速報

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第 4 号　島根県東部地域がけくずれの気象特性に関する研究 ― 予報 ― 12 p.　昭和41年3月発行

第 5 号　松代群発地震に関する特別研究　89 p.　折込み図版5枚　昭和42年3月発行

第 6 号　地震時における軟弱基礎地盤の振動性状に関する現場実験研究　22 p.　折込み図版2枚　昭和42年3月発行

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5. 防災科学技術研究資料

第 1 号　松代群発地震観測資料（第1報）（英文）140 p.　昭和42年3月発行

第 2 号　がけくずれの地域的・季節的分布と降水量（1949～1959）62 p.　昭和42年3月発行

第 3 号　災害統計資料（昭和30年～40年）― 災害原因別・都道府県別被害集計 ―　119 p.　昭和43年3月発行

6. 防災科学技術

No. 1　：16 p.　昭和38年9月発行

No. 2　：33 p.　昭和39年12月発行

No. 3　：43 p.　昭和41年3月発行

No. 4　：50 p.　昭和42年3月発行

No. 5　：13 p.　昭和43年8月発行

No. 6　：13 p.　昭和43年11月発行

On the Publication of "Seismological Data of the Matsushiro Earthquake Swarm"

International Seismological Centre

The publication "Seismological Data of the Matsushiro Earthquake Swarm" is continuously issued, forming a link in the duties of data collection and arrangement of the Research Center of Matsushiro Earthquake Swarm, in cooperation with the government organs concerned, and the preceding issue, Report I, was published with special assistance from the Observation Division of the Japan Meteorological Agency, and the present issue, Report II, is published with greatest support from the Earthquake Research Institute of the University of Tokyo. It is earnestly hoped that these publications would be widely utilized by the persons concerned, in compliance with the purport of the establishment of National Research Center for Disaster Prevention.

March 1969

National Research Center for
Disaster Prevention

International Seismological Centre

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SEISMOLOGICAL DATA OF MATSUSHIRO EARTHQUAKE SWARM (REPORT II)

OBSERVATIONS BY THE NETWORK OF
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DURING THE PERIOD FROM OCTOBER 1965 TO DECEMBER 1966

CONTENTS

Introductory note 1

Epicentral distribution of the felt earthquakes 4

Earthquakes observed by the seismological network of E. R. I. 11

REVIEW OF RESEARCH FOR DISASTER PREVENTION, No. 7, MARCH 1969

International Seismological Centre

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Seismological Data of Matsushiro Earthquake Swarm (Report II)

Observations by the Network of the Earthquake Research Institute, the University of Tokyo, during the Period from October 1965 to December 1966

Introductory Note

The Matsushiro swarm earthquakes commenced in August 1965 and still continue even now when more than three years have passed since the outbreak. The Earthquake Research Institute of the University of Tokyo dispatched its members to Matsushiro and set up temporary seismographic stations in four places around Mt. Minakami, i. e., at Akashiba, Hoshina, Zozan and Mori in October 1965, each station being equipped with an Ishimoto acceleration seismograph and a short-period electromagnetic seismograph. The observation was continued till March 1967, when the earthquakes decreased in number, but the area of activity was extended and the seismographic network was forced to be rearranged so as to cover a wider area.



Fig. 1. Location of temporary seismographic stations.

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This report compiles the seismological data obtained from the Ishimoto acceleration seismograms at Akashiba, Hoshina and Zozan during the period from October 1965 to December 1966, which were available for locating the hypocenters of the swarm earthquakes.

1. Criteria of the data

The determination of hypocenters was made according to the following criteria:

1) The earthquake was recorded at three stations at least.
2) Both the P and S phases were clear.
3) When too many earthquakes were recorded on a seismogram for a day beyond the capability of the seismogram interpreters (normally two persons were engaged in the interpretation of the acceleration seismograms), then 50 of larger earthquakes were selected to be read.

Referring to the frequency-magnitude curves of the swarm earthquakes determined by the observation, it may be expected that we were able to determine the hypocenters of almost all the earthquakes with magnitudes larger than 2.5 under such criteria.

2. Determination of magnitude

We obtained the magnitudes of the swarm earthquakes by using maximum amplitudes of earthquakes recorded on the acceleration seismograms of two stations, Akashiba and Zozan, and took the mean values of these two stations. For obtaining the magnitude, we used the graph devised by I. Muramatsu (*Zisin* II, 17 (1964), 215), who gave the relation between the maximum amplitude and the hypocentral distance, taking M as a parameter for the wide range of hypocentral distance and magnitude. The magnitudes of larger earthquakes obtained by this method were compared with the corresponding magnitudes obtained by the JMA (Japan Meteorological Agency) using observational data of its ordinary seismographic network. We found that there was a certain systematic difference between them, that is to say, the values obtained by Muramatsu's method were always smaller than the JMA magnitudes by 0.5, and so we adjusted our magnitude by adding 0.5 to the JMA magnitude.

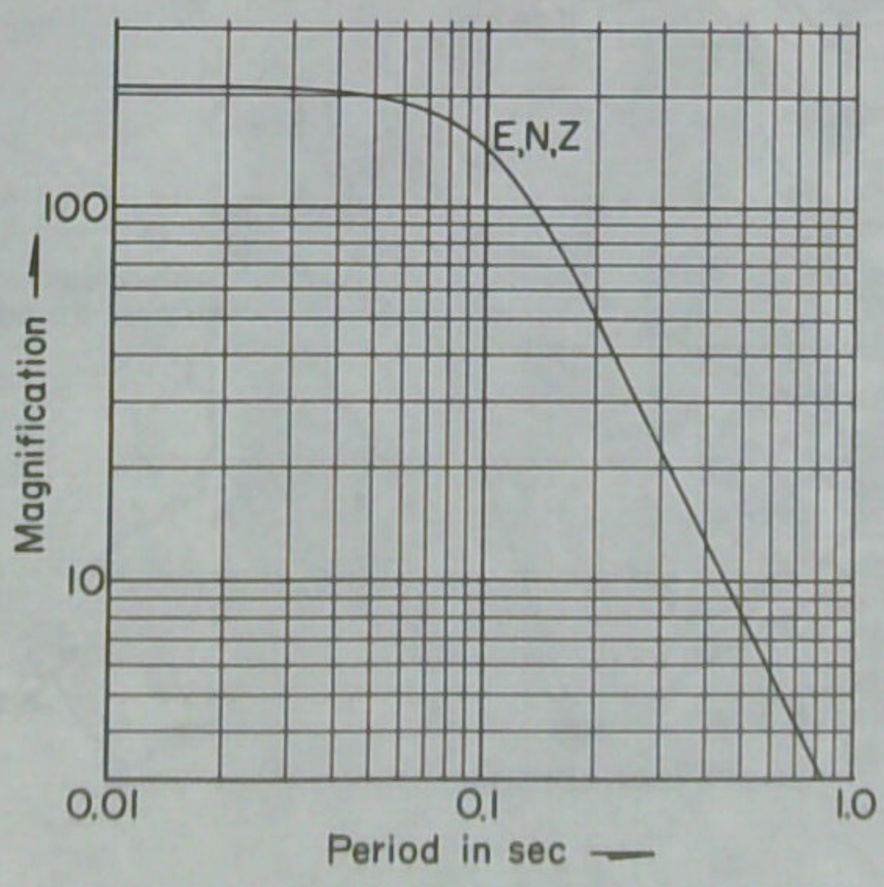


Fig. 2. Characteristics of the instruments.

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

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3. Determination of hypocenters

We obtained the hypocenters of the earthquakes by assuming as the first approximation that the velocities of P and S waves are constant with depth. Assuming this, the hypocentral distance from a station is given by $\Delta = kt$, where Δ is the hypocentral distance, t the difference between the arrival times of P and S waves, k a constant. Since the postion of hypocenter has three unknown quantities (latitude, longitude and depth) and k is also unknown, there are four unknown quantities. Therefore, if we observe the difference between the arrival times of P and S waves. at four stations, we can determine these four unknown quantities. Once we have determined the value of k, we can determine the position of hypocenter simply by using the values of t at three stations, because the hypocentral distances from the three stations are given by the equation $\Delta = kt$. First, we determined the value of k by using the observational data of four stations, Akashiba, Hoshina, Zozan and Mori. The number of used data for this purpose was 113 and we obtained $k = 7.39 \pm 0.53$ as a mean value, excepting 32 data which gave large deviations from the mean value.

The hypocentral distributions of the earthquakes thus obtained are indicated graphically in the Bulletin of the Earthquake Research Institute, the University of Tokyo.

1) The Party for Seismographic Observation of Matsushiro Earthquakes and the Seismometrical Section, Earthquake Research Institute, "Matsushiro Earthquakes Observed with a Temporary Seismographic Network, Part 1." *Bull. Earthq. Res. Inst.*, **44** (1966), 309-333.

2) The Party for Seismographic Observation of Matsushiro Earthquakes and the Seismometrical Section, Earthquake Research Institute, "Matsushiro Earthquakes Observed with a Temporary Seismographic Network, Part 2." *Bull. Earthq. Res. Inst.*, **44** (1966), 1689-1714.

3) The Party for Seismographic Observation of Matsushiro Earthquakes and the Seismometrical Section, Earthquake Research Institute, "Matsushiro Earthquakes Observed with a Temporary Seismographic Network, Part 3." *Bull. Earthq. Res. Inst.*, **45** (1967), 197-223.

4) The Party for Seismographic Observation of Matsushiro Earthquakes and the Seismometrical Section, Earthquake Research Institute, "Matsushiro Earthquakes Observed with a Temporary Seismographic Network, Part 4." *Bull. Earthq. Res. Inst.*, **45** (1967), 887-917.

5) T. HAGIWARA and T. IWATA, "Summary of the Seismographic Observation of Matsushiro Swarm Earthquakes." *Bull. Earthq. Res. Inst.*, **46** (1968), 485-515.

4. Abbreviation of the names of stations

A: Akashiba, H: Hoshina, Z: Zozan.

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International Seismological Centre

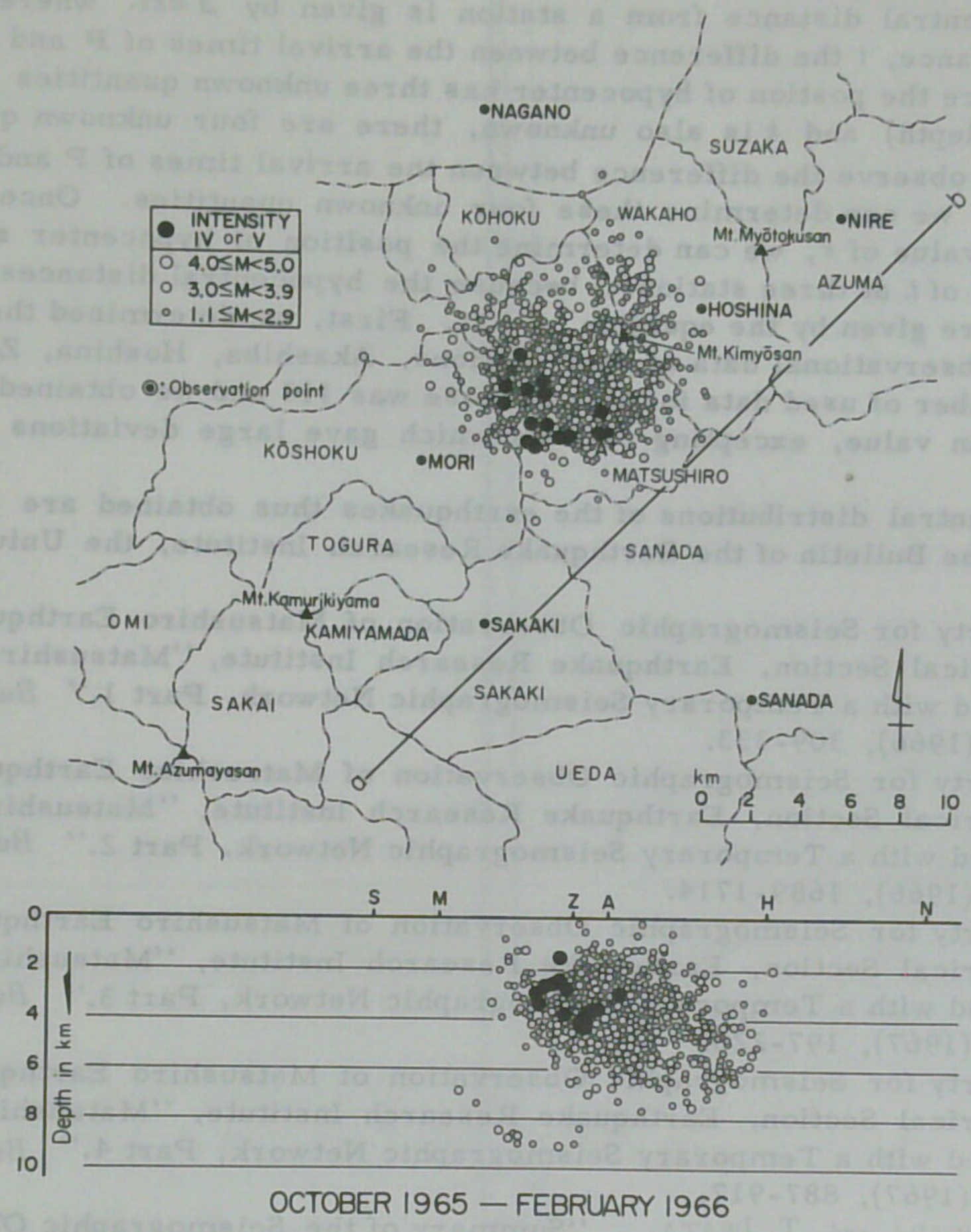


Fig. 3. Above: Epicentral distribution of the felt earthquakes during the period from October 1965 to February 1966.
Below: Vertical distribution of the felt earthquakes during the period from October 1965 to February 1966.
a-b: Plane of projection, A: Akashiba, H: Hoshina, M: Mori, N: Nire, S: Sakaki, Z: Zōzan.

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

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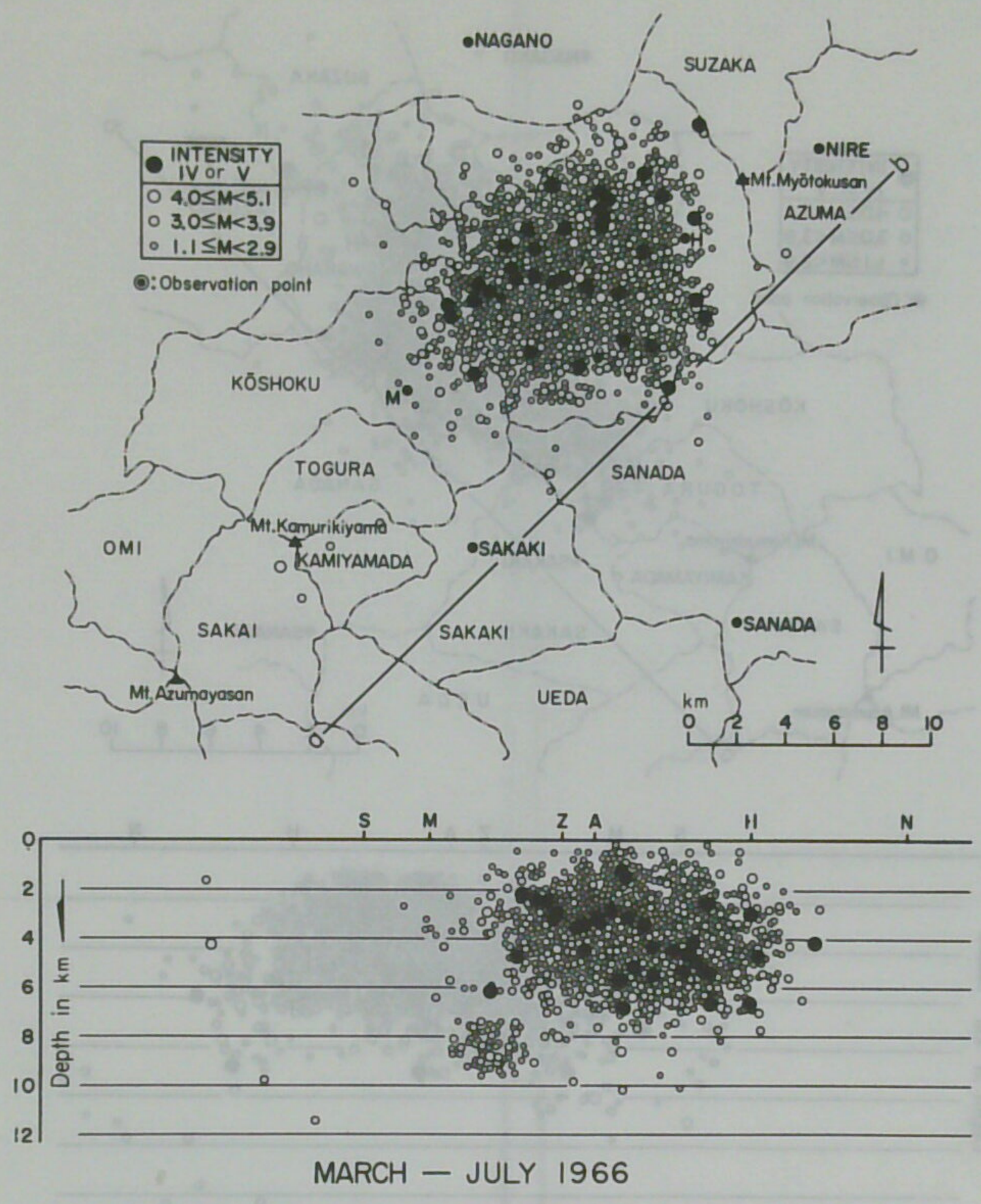


Fig. 4. Above: Epicentral distribution of the felt earthquakes during the period from March to July 1966.
Below: Vertical distribution of the felt earthquakes during the period from March to July 1966.
a-b: Plane of projection, A: Akashiba, H: Hoshina, M: Mori, N: Nire, S: Sakaki, Z: Zōzan.

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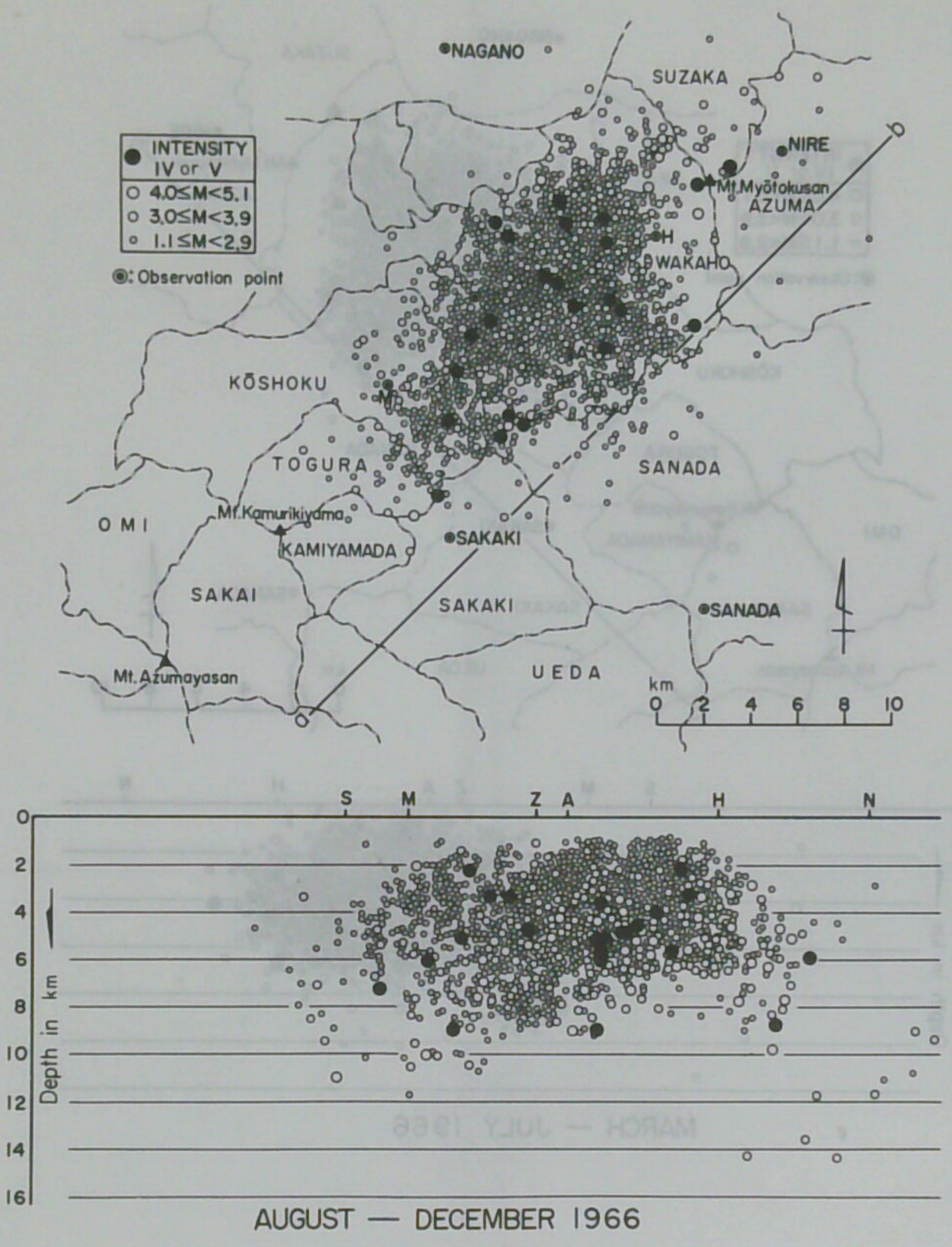


Fig. 5. Above: Epicentral distribution of the felt earthquakes during the period from August to December 1966.
Below: Vertical distribution of the felt earthquakes during the period from August to December 1966.
a-b: Plane of projection, A: Akashiba, H: Hoshina, M: Mori, N: Nire, S: Sakaki, Z: Zōzan.

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

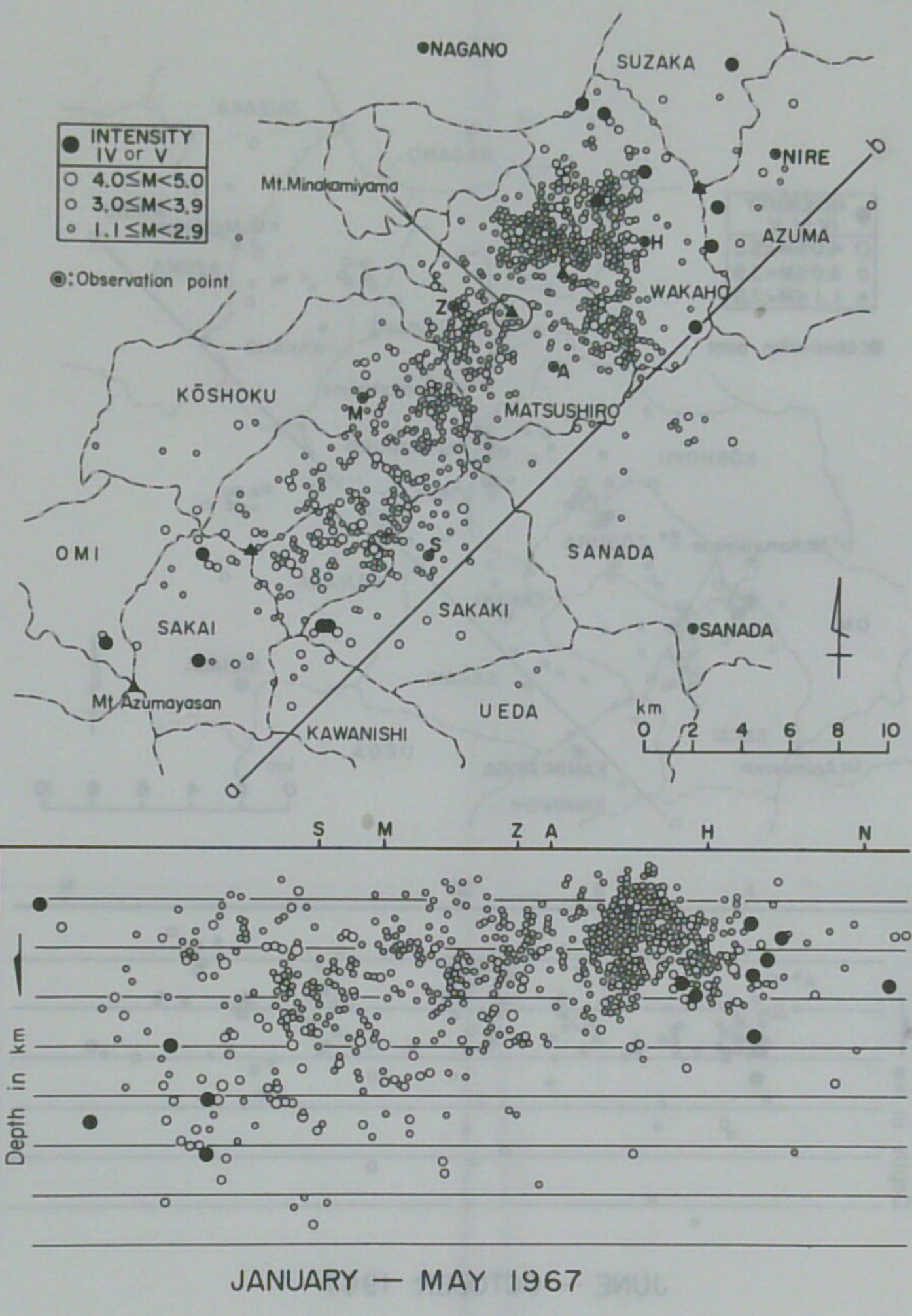


Fig. 6. Above: Epicentral distribution of the felt earthquakes during the period from January to May 1967.
Below: Vertical distribution of the felt earthquakes during the period from January to May 1967.
a-b: Plane of projection, A: Akashiba, H: Hoshina, M: Mori, N: Nire, S: Sakaki, Z: Zōzan.

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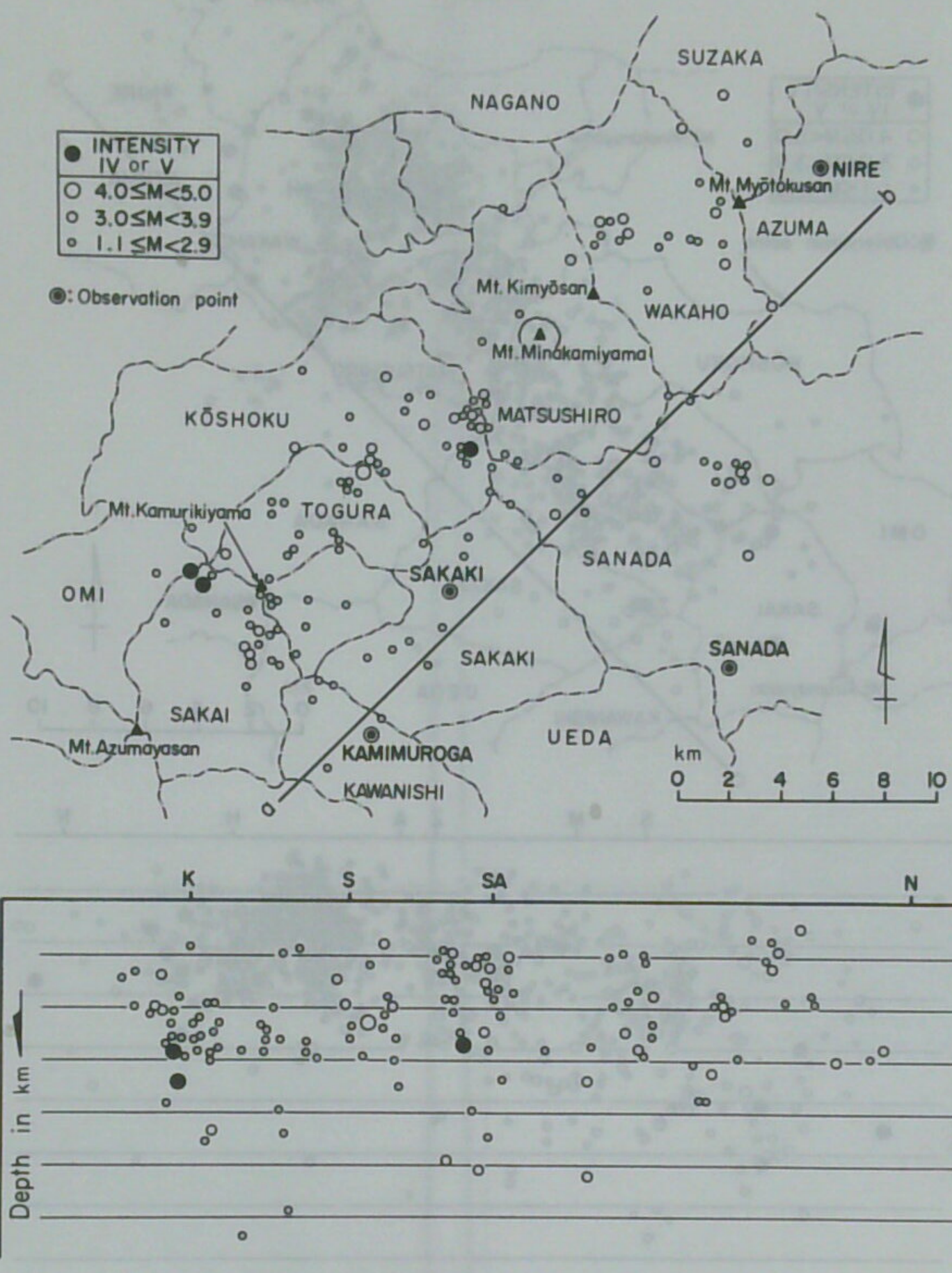


Fig. 7. Above: Epicentral distribution of the felt earthquakes during the period from June to October 1967.
Below: Vertical distribution of the felt earthquakes during the period from June to October 1967.
a-b: Plane of projection, K: Kamimuroga, S: Sakaki, SA: Sanada, N: Nire.

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

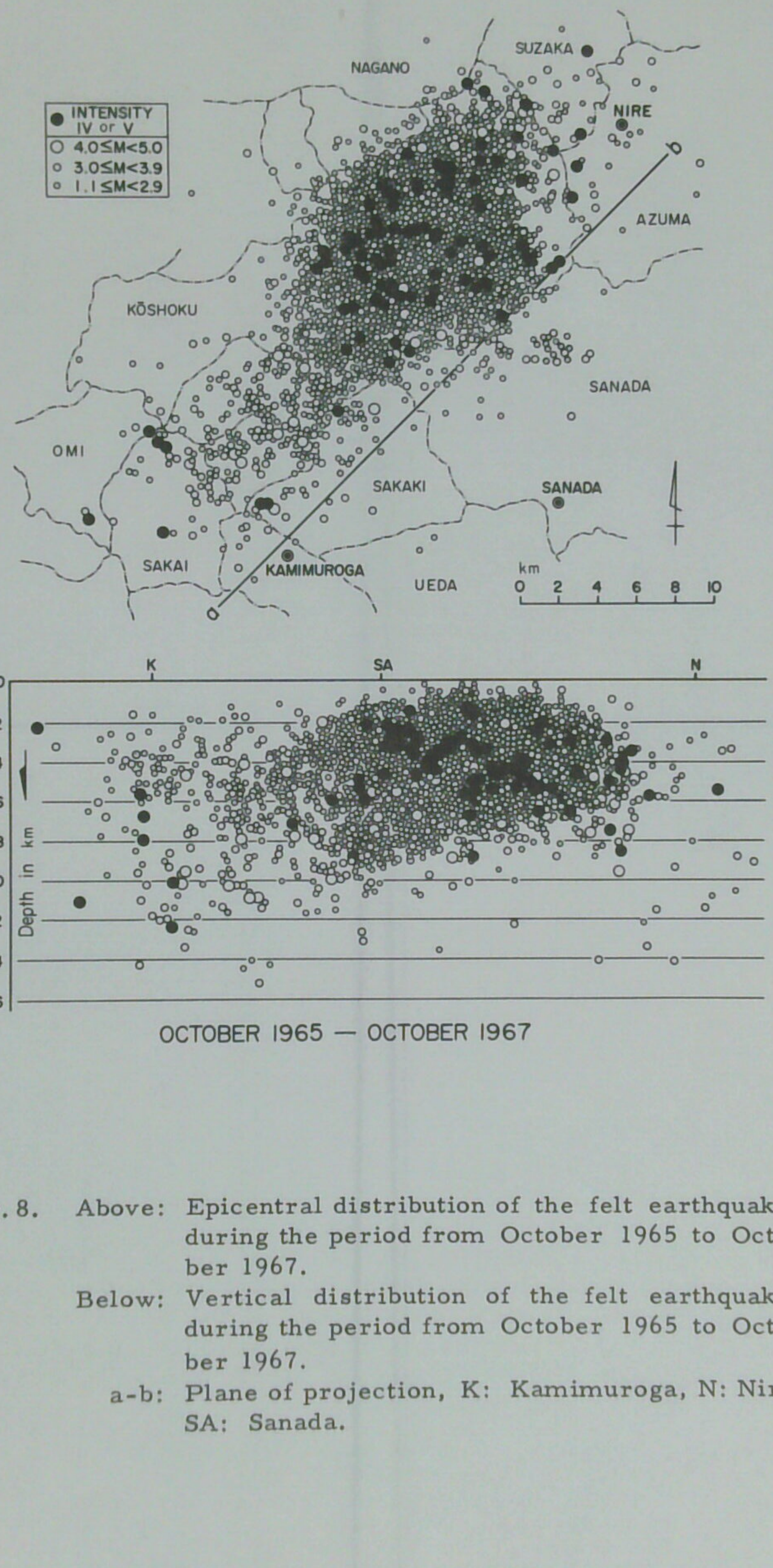


Fig. 8. Above: Epicentral distribution of the felt earthquakes during the period from October 1965 to October 1967.
Below: Vertical distribution of the felt earthquakes during the period from October 1965 to October 1967.
a-b: Plane of projection, K: Kamimuroga, N: Nire, SA: Sanada.

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

1965 October

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
10	A	22.37 20.8	0.9	+		+0.3	10.6	25.2		
	H	22.37 20.0	0.9			-1.2	15.3	10.6	5.6	3.9
	Z	22.37 20.6	1.0	+			1.4	1.4		
11	A	04.28 25.8	0.9	+	-	+0.1	2.1	3.8		
	H	04.28 24.8	0.7	+	+	+4.0	2.1	6.4	5.0	2.7
	Z	04.28	1.0				0.2	0.2		
11	A	15.52 30.3	0.6	+		+0.1	1.1			
	H	15.52 30.9	1.0	+	+	+1.5	4.3	5.7	4.7	2.5
	Z	15.52 30.5	0.7	+		+	0.6	0.4		
12	A	14.05 25.5	0.7			+0.2	4.6	5.8		2.8
	H	14.05 25.7	0.9		-	+0.4	5.0	7.8	3.9	
	Z	14.05 25.6	0.7	+			0.4	0.6		
12	A	16.43 37.1	0.6	+	+	-0.2	0.6	4.3		
	H	16.43 37.2	0.9	+	+	+1.0	5.4	12.0	4.1	3.1
	Z	16.43 37.4	0.9	-	+	+0.2	0.8	1.4		
12	A	18.58 27.2	1.1	+	+	+0.2	5.0	9.0		
	H	18.58 27.0	0.7			+0.1	5.2	10.8	4.7	3.2
	Z	18.58 27.5	1.0				0.4	0.5		
12	A	22.26 22.7	0.7	+	+	+0.8	10.6	4.8		
	H	22.26 22.8	1.0	+	+	+2.5	12.6	18.0	4.7	3.5
	Z	22.26 22.6	0.8	-	+	-0.2	2.3	2.2		
13	A	01.04 31.2	0.6	+	+	+	3.1	4.2		
	H	01.04 31.4	1.0	+		+0.9	4.5	6.0	3.9	2.7
	Z	01.04 31.5	0.6	+	-	+0.2	0.6	0.5		
13	A	23.06 48.2	0.7		+		7.7	5.1		
	H	23.06	0.9		+	+0.5	4.0	6.4	4.4	3.1
	Z	23.06 48.6	0.7				0.8	0.8		
14	A	04.29 31.9	0.9	-			4.5	5.9		
	H	04.29	0.7			+0.3	3.0	8.8	4.5	2.9
	Z	04.29 32.2	0.8				0.4	0.5		
14	A	05.25 12.5	1.0			+	1.7	0.8		
	H	05.25	0.9		-	-	5.0	8.6	6.3	2.5
	Z	05.25 12.8	1.0				0.3	0.4		
14	A	23.43 47.2	1.0	-		-2.7	2.7	2.4		
	H	23.43	1.0	+	+		5.7	8.9	6.3	2.9
	Z	23.43 47.2	1.0	+	-		0.6	0.4		
15	A	18.15 43.1	0.9	+		+0.7	2.7	1.3		
	H	18.15 43.0	1.2	+		-0.6	9.4	6.6	4.3	3.1
	Z	18.15	0.6		+		2.0	1.4		
16	A	13.56 52.3	1.0	-	-		6.3	5.2		
	H	13.56 52.0	0.8	-	-	+1.6	11.1	13.6	5.5	3.4
	Z	13.56 52.6	1.0	-	+	-0.1	1.6	0.9		
16	A	13.59 26.0	1.0	+	-		5.2	4.0		
	H	13.59 25.6	0.8	+	+	+	6.6	6.4	5.9	3.2
	Z	13.59 26.1	1.1				0.6	0.4		
16	A	21.04	0.6			+	1.3	1.0		
	H	21.04 45.9	0.9	+		+0.2	3.8	5.6	3.8	2.5
	Z	21.04 45.9	0.6			-	1.2	0.8		
16	A	21.34 22.9	0.6			-2.1	0.4	0.1		
	H	21.34 23,0	0.9	-	-	+1.2	4.0	7.2	4.0	2.6
	Z	21.34 23.5	0.7	+	+	-0.1	0.6	0.6		
17	A	13.54 11.1	1.1	-	-	+7.9	11.8	8.3		
	H	13.54 10.8	0.3	-	+	+4.8	25.4	14.1	1.9	4.0
	Z	13.54 11.4	1.2	+	-	+0.8	4.0	3.2		
18	A	17.46 40.6	0.8			-	0.5	1.1		
	H	17.46 41.0	1.4	-	-	+0.7	1.9	3.4	5.3	2.8
	Z	17.46 40.4	1.1	-	+	+	1.1	1.0		
18	A	18.54 15.3	0.5	+			1.0	0.7		
	H	18.54 15.2	1.7			+0.4	1.6	1.9	2.8	2.2
	Z	18.54 15.6	0.7			-	0.7	0.7		
18	A	19.47 49.5	0.6	-		+	4.5	3.9		
	H	19.47 50.0	1.0			+0.2	2.4	4.9	4.2	3.2
	Z	19.47 49.9	1.0	+	-	+0.1	0.7	2.0		
18	A	20.01	0.6		-	+1.4	12.8			
	H	20.01 59.6	0.9	+	-	+1,7	9.4	19.4	4.3	3.7
	Z	20.01 57.7	0.8	-	+	+	3.0	4.4		
18	A	20.02 29.3	0.7	+		+0.5	3.6			
	H	20.02 30.0	0.6				2.5	1.8	3.5	3.0
	Z	20.02 30.3	1.0	+	-	-0.1	1.0	0.5		

Oct. 1965

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
18	A	20.05 26.8	0.5	-	-	-0.1	7.1			
	H	20.05 26.6	0.9	+	+	+0.8	4.4	4.4	3.5	2.9
	Z	20.05 26.3	0.9	+		-	0.6	0.6		
18	A	20.14 58.8	0.5	-	+	-0.5	16.2	22.6		
	H	20.14 59.6	1.0	+	+	+2.2	17.4	16.3	3.4	3.8
	Z	20.14 59.9	1.0	-	+	-0.7	3.1	1.8		
18	A	20.41 14.2	0.6	-			2.5	1.1		
	H	20.41 14.9	0.9		-		4.6	5.7	4.0	2.7
	Z	20.41 15.2	0.7			-	0.8	0.6		
18	A	20.53 48.0	0.6	-				6.9		
	H	20.53 48.7	0.9		+	+0.5	8.5	9.0	3.9	3.3
	Z	20.53 48.7	1.0	-	+	-0.1	1.8	1.7		
18	A	21.11 32.2	0.5	+			1.2	0.9		
	H	21.11 31.2	1.0	-	-		1.5	3.1	2.9	2.3
	Z	21.11 30.9	0.5			+	1.0	1.0		
19	A	15.58 48.5	0.2		-	+	0.6	0.8		
	H	15.58	0.9			+	3.0	3.5	1.8	2.1
	Z	15.58 48.2	0.6	-		+0.2	1.0	1.4		
19	A	17.36	0.7	-	+	+0.3	1.5	3.7		
	H	17.36 50.0	0.9	+	+	-1.7	3.3	7.6	4.8	3.0
	Z	17.36 50.2	0.8	-	+	-0.2	1.0	1.1		
19	A	18.04	0.6				1.0	0.6		
	H	18.04 30.3	0.8	-		+0.2	2.8	3.5	3.6	2.5
	Z	18.04 30.2	0.6		-		1.1	1.2		
19	A	19.56 08.4	0.9	+	-	+2.0	8.0	6.3		
	H	19.56 09.2	0.8	-		-	10.0	18.7	5.7	2.7
	Z	19.56 09.3	1.0		-		0.8	0.8		
20	A	01.18 54.1	0.5		-		1.3	0.5		
	H	01.18 54.4	1.1		-		2.0	3.6	2.7	2.4
	Z	01.18 54.0	0.5	-		+0.8	1.0	1.0		
20	A	06.01 57.3	0.6		+	+1.0	1.1	1.5		
	H	06.01 56.6	0.9	-	-	-	1.4	2.1	3.8	2.6
	Z	06.01	0.7	+			1.0	0.6		
20	A	06.13 34.4	1.2		+	-	1.6	1.7		
	H	06.13 35.4	1.2	+		+	1.8	1.2	4.5	3.0
	Z	06.13 35.0	0.7	-	-		1.4	0.9		
20	A	14.05 21,0	0.6	-	-		1.5	4.1		
	H	14.05 21.1	0.9	+	-	+0.3	0.6	0.5	4.4	2.6
	Z	14.05 21.8	0.8	+			0.4	0.3		
21	A	06.07 20.5	0.5				1.8	1.9		
	H	06.07 21.4	1.0			+0.7	2.2	3.0	3.6	2.3
	Z	06.07 20.8	0.7	+			0.5	0.4		
21	A	06.36 33.0	0.7			+	0.5	0.1		
	H	06.36	0.9	-		-0.2	1.2	1.6	3.2	1.9
	Z	06.36 32.7	0.5				0.2	0.5		
21	A	10.39 22.7	0.8	+	-	-4.4	2.9	6.0		
	H	10.39 23.7	1.2	+		+2.6	5.6	3.7	5.0	3.3
	Z	10.39 23.1	0.8	+	-	-	2.7	1.4		
21	A	11.05 21.3	1.2		-		0.5	1.6		
	H	11.05 21.3	1.2		-	+1.3	2.7	4.6	7.2	3.0
	Z	11.05 21.5	1.0	-	+	-0.1	0.8	1.0		
21	A	11.16 48.0	0.7		+		0.2	0.3		
	H	11.16	1.2	-		+0,2	1.2	1.2	2.2	1.6
	Z	11.16 47.5	0.4				0.2	0.4		
21	A	12.49 39.3	1.0		+		0.2	0.3		
	H	12.49	1.0	-			1.0	0.9	3.5	2.1
	Z	12.49 39.3	0.5				0.3	0.9		
21	A	14.21 38.2	0.7	+			0.5	0.6		
	H	14.21 38.7	1.2	-			1.2	1.9		
	Z	14.21 37.9	0.5				1.0	1.6		
21	A	19.07 21.5	0.7					0.9		
	H	19.07 21.2	0.7	-	-	-	4.0	7.0	4.2	3.0
	Z	19.07 21.1	0.9				0.6	0.5		
21	A	20.05 13.6	0.6				13.6	0.6		
	H	20.05 14.0	1.1			+	14.0	1.1	4.2	2.6
	Z	20.05 13.6	0.8	+			13.6	0.8		
21	A	20.21 33.7	0.6					0.2		
	H	20.21 35.2	0.9	-			1.2	2.2	3.2	1.5
	Z	20.21 34.2	0.5				0.2	1.4		
21	A	20.23 34.1	0.7		-	+1.0		3.7		
	H	20.23 34.5	0.8	-	-	+0.2	3.4	5.3	4.3	2.8
	Z	20.23 34.3	0.8	-	-		0.5	0.7		
21	A	23.10 44.7	0.9			+0.2		0.5		
	H	23.10 45.2	1.2	+		+0.6	1.0	0.9		
	Z	23.10 44.7	0.8	-	-		0.8	0.7		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Oct. 1965

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.00 17.6	0.6		+	+1.0		2.2		
22	H	00.00 17.9	0.9		+	+0.3	3.9	7.7	4.3	2.9
	Z	00.00 17.4	0.8	-	+	-0.2	1.6	2.0		
	A	03.19 18.7	0.5		+	+0.4		4.5		
22	H	03.19 19.4	0.9	-		+0.7	3.5	0.7	3.6	2.9
	Z	03.19 19.5	0.7		-	-0.2	1.1	1.0		
	A	03.26 52.9	0.8			-0.3		1.3		
22	H	03.26	0.8			+0.2	1.6	2.3	2.9	2.1
	Z	03.26 53.6	0.5		-		0.3	0.3		
	A	03.30 02.9	0.6		-	+0.1		1.9		
22	H	03.30 03.7	0.8			+0.2	4.6	7.1	3.9	2.7
	Z	03.30 03.2	0.7	-		+	0.6	0.9		
	A	03.30 15.5	0.5			-1.4		2.5		
22	H	03.30 15.5	0.9		+	+0.9	5.4	8.0	3.8	2.7
	Z	03.30 15.6	0.7		+		1.0	1.3		
	A	03.45 48.4	0.5			-0.4		1.2		
22	H	03.45 49.4	0.9	+	+	+0.3	0.9	1.4	1.9	2.3
	Z	0.345 48.0	0.3	-		+0.2	1.6	1.1		
	A	11.05 16.0	0.6			-0.5				
22	H	11.05 16.6	1.0	+		+1.2	5.2	7.2	3.3	3.4
	Z	11.05 16.0	0.5				1.9	3.2		
	A	14.20 09.1	0.5		+			1.3		
22	H	14.20 09.6	1.0	+	+	+0.3	1.6	2.2	3.6	2.3
	Z	14.20 08.9	0.6	+		-0.2	0.6	0.7		
	A	18.26 05.7	0.6			+1.6		4.1		
22	H	18.26 06.4	1.0				2.2	2.4	4.4	2.9
	Z	18.26 06.0	0.8	-	-		0.8	0.4		
	A	23.49 43.3	0.5	+		+		1.6		
22	H	23.49 44.1	0.8	+			1.3	1.3	3.5	2.5
	Z	23.49 43.2	0.7		+		0.3	0.2		
	A	02.55 26.2	0.6			+0.4		1.6		
23	H	02.55 27.3	0.7				1.4	0.8	3.6	2.1
	Z	02.55 26.5	0.8				0.2	0.2		
	A	03.14 34.7	0.7		+	+1.6		5.8		
23	H	03.14 35.0	0.9	-		-0.1	1.3	1.6	4.8	3.0
	Z	03.14	0.9	+	-	-0.2	0.4	0.6		
	A	06.28 49.4	0.7					0.9		
23	H	06.28 50.0	0.9	+		+	2.2	2.0	4.4	2.6
	Z	06.28 48.7	0.7		+	+0.2	0.9	1.6		
	A	06.34 38.4	0.6					0.1		
23	H	06.34 38.7	0.8	+			1.4	1.7	2.7	1.5
	Z	06.34	0.5				0.4	0.4		
	A	12.26 56.7	0.6					0.6		
23	H	12.26 56.7	1.0	+		+0.3	0.7	1.4	4.0	1.8
	Z	12.26 57.2	0.6		-		0.1	0.2		
	A	14.55 23.9	0.6			-0.3		4.5		
23	H	14.55 24.3	0.9	+	-	+0.3	6.0	9.3	3.3	3.0
	Z	14.55 23.7	0.5		-		2.2	2.6		
	A	14.55 42.0	0.3		-	-0.2		0.2		
23	H	14.55 42.3	0.8		-	+0.1	1.3	2.0	2.2	1.8
	Z	14.55 41.2	0.6				0.4	0.3		
	A	21.22 03.3	0.7	+	+	+0.2	1.1	1.5		
	H	21.22 03.6	0.9			+0.4	1.8	2.6	4.6	2.4
	Z	21.22 03.4	0.7			+0.2	0.4	0.3		
	A	00.18 51.8	0.5	+	+	+1.0	2.0	3.1		
24	H	00.18 52.2	1.0	+		-0.2	1.3	1.4	3.6	2.4
	Z	00.18 51.9	0.9	+	-	-0.2	0.6	0.5		
	A	00.34 05.8	0.8	-			0.8	0.7		
24	H	00.34 06.0	1.0	+		+0.2	1.0	1.0	2.5	2.4
	Z	00.34 05.2	0.4			-0.2	1.7	1.4		
	A	11.14 33.0	0.8		+	+	13.1			
24	H	11.14 33.7	1.0	+	+	+0.7	9.2	8.2	5.4	3.5
	Z	11.14 33.3	0.8	-		-0.4	1.2	1.3		
	A	12.55 24.5	0.8	+		+0.4		3.0		
24	H	12.55 25.5	1.0	-		+0.2	1.4	1.6	5.0	2.5
	Z	12.55 24.7	0.7			-0.2	0.2	0.3		
	A	15.36 23.3	0.6	+	+	+	3.9	4.6		
24	H	15.36 23.7	0.9	+		+0.9	3.9	5.1	4.3	2.6
	Z	15.36 23.1	0.8			-0.3	0.4	0.4		
	A	20.20 44.4	0.5	+			1.0	1.0		
24	H	20.20 45.3	0.9	-		+0.1	1.6	2.9	3.0	2.2
	Z	20.20 44.0	0.5		-		0.8	0.8		
	A	20.39 52.5	0.7		+		2.0	2.8		
24	H	22.39 53.4	1.1	+	+		1.5	1.8	4.5	2.9
	Z	22.39 52.4	0.7	-		+0.2	1.4	1.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	23.05 19.7	1.1	+	+	-0.2	3.0	3.2		
24	H	23.05 19.9	0.8	-		+0.2	3.5	6.6	6.2	2.8
	Z	23.05 20.1	1.2			+0.2	0.3	0.3		
	A	23.53 10.8	0.6			-0.4		3.1		
24	H	23.53 11.1	1.1	-		+0.7	2.0	2.3	4.2	2.9
	Z	23.53 10.5	0.8			-1.0	1.2	1.0		
	A	00.08 46.1	0.7			+0.2		12.5		
25	H	00.08 46.8	1.2			+1.0	4.6	5.9	4.3	3.5
	Z	00.08 46.1	0.8			+0.1	1.9	2.5		
	A	00.15 28.1	0.7			-0.6		7.5		
25	H	00.15 28.8	1.0			+0.4	2.7	3.2	5.9	3.3
	Z	00.15 28.5	1.0			-0.1	0.9	2.5		
	A	00.15 28.1	0.7			-0.6		7.5		
25	H	00.15 28.8	1.0			+0.4	2.7	3.2	5.9	3.3
	Z	00.15 28.5	1.0			-0.1	0.9	0.5		
	A	10.06 19.5	0.8			+1.7	11.0	14.0		
25	H	10.06 19.9	1.0			-0.6	1.6	3.9	5.9	3.1
	Z	10.06 19.3	1.0			-0.5	2.4	2.0		
	A	11.21 57.2	0.8		+	+3.2		17.1		
25	H	11.21 57.7	1.1		+	+0.8	4.6	6.2	3.7	3.8
	Z	11.21 57.3	1.0	-	+	+0.8	2.4	1.7		
	A	15.12 41.4	0.7			-0.1	1.8	1.6		
25	H	15.12 41.8	1.1			-0.1	4.0	4.0	4.7	2.9
	Z	15.12 41.1	0.8			+0.3	1.5	1.5		
	A	17.40 30.9	0.7			+		3.2		
25	H	17.40 31.6	1.0		+	+1.5	8.3	12.6	4.4	3.0
	Z	17.40 31.5	0.7			-0.1	1.6	1.2		
	A	17.48 59.8	0.5			-0.2		3.5		
25	H	17.48 60.5	1.2	+	-	+0.2	3.7	4.6	2.2	2.8
	Z	17.48					1.3	1.2		
	A	19.40 12.6	0.9			+0.2	6.0	5.3		
25	H	19.40 13.1	1.2			-1.4	5.8	11.4	6.4	3.5
	Z	19.40 12.0	0.8			+0.1	3.4	4.0		
	A	19.55 01.1	0.8			+0.1	7.4	7.2		
25	H	19.55 01.9	1.2			-0.5	4.9	9.5	4.9	3.3
	Z	19.55 01.3	0.8			+0.2	7.2	5.7		
	A	21.45 26.7	0.7			-0.2	2.5	2.5		
25	H	21.45 27.0	1.0	-		+0.8	4.4	4.5	3.9	2.9
	Z	21.45 26.3	0.6			-0.2	1.4	2.0		
	A	08.33 22.9	0.9			-0.1	0.8	0.5		
26	H	08.33 23.2	0.9			+0.1	2.1	2.8	1.3	2.3
	Z	08.33 22.3	0.4			-0.1	0.6	1.0		
	A	08.38 07.4	0.6				1.0			
26	H	08.38 07.8	1.0			-0.6	2.3	3.6	3.6	2.2
	Z	08.38 07.7	0.6			-0.1	0.4	0.5		
	A	10.23 50.6	0.8			+4.3	6.5	5.6		
26	H	10.23 51.0	1.0			-1.5	2.9	2.7	5.5	3.4
	Z	10.23 51.2	0.9			+0.2	2.2	1.4		
	A	12.35 18.2	0.6			-0.5	2.1	3.2		
26	H	12.35 18.9	0.9			+0.9	2.0	3.0	4.3	2.6
	Z	12.35	0.8			+0.2	0.3	0.5		
	A	17.45 46.7	0.8			+0.1	1.1	1.3		
26	H	17.45 47.4	1.2			+0.6	1.5	2.7	4.0	2.6
	Z	17.45 46.9	0.6			+0.1	1.4	1.3		
	A	22.43 10.8	1.0			+1.0	1.6	1.0		
26	H	22.43 10.6	0.8			+0.9	2.0	3.3	5.1	2.5
	Z	22.43 11.2	1.3			+0.1	0.2	0.2		
	A	05.34 55.3	0.8			+0.2	5.1	3.1		
27	H	05.34 56.3	1.1			-0.3	5.9	4.3	3.7	3.2
	Z	05.34 55.2	0.5			+0.2	1.9	3.0		
	A	05.41 22.0	1.3			+0.1	0.6	0.6		
27	H	05.41 23.8	1.0			+0.2	2.5	3.3	3.0	3.0
	Z	05.41 23.3	0.8			-0.1	0.3	0.3		
	A	07.17 41.5	0.9			+0.3	0.4	1.2		
27	H	07.17 41.5	0.8			-0.2	2.9	4.3	3.9	3.0
	Z	07.17 41.9	0.7			+0.1	0.5	0.5		
	A	08.24 02.3	0.3			+0.1	1.8	1.0		
27	H	08.24 02.6	1.0			+0.3	2.3	3.5	1.8	2.2
	Z	08.24 02.5	0.7			+0.1	0.5	0.5		
	A	08.51 28.8	0.7			+0.4	1.6	2.5		
27	H	08.51 28.6	1.0			+0.8	2.5	3.4	4.9	2.5
	Z	08.51 28.3	0.8			+0.1	0.4	0.2		
	A	18.28 50.9	0.6			+1.4	4.5	3.4		
27	H	18.28 51.5	1.0			+0.3	2.5	4.7	4.4	3.0
	Z	18.28 51.2	0.8			-0.2	0.7	0.9		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Oct. 1965 - Nov. 1965
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
27	A	21.49 51.3	0.6			+0.1	1.9	1.9		
	H	21.49 51.9	1.0			+0.7	1.9	4.2	4.2	2.6
	Z	21.49 51.7	0.7			-0.2	0.8	0.7		
27	A	23.07 03.7	0.6			+0.3	9.5	5.6		
	H	23.07 04.4	0.9			+0.3	1.7	5.6	4.1	2.9
	Z	23.07 03.9	0.9			+0.3	0.3	0.4		
28	A	03.19 08.0	1.2			+0.3	3.2	4.5		
	H	03.19 07.4	0.9			+0.5	6.4	3.5	6.6	3.5
	Z	03.19 08.7	1.2			-0.1	0.8	0.6		
28	A	10.47 30.2	0.7			+0.8	11.8	12.1		
	H	10.47 29.8	0.9			+0.8	3.6	11.4	5.1	3.1
	Z	10.47 30.1	0.9			-0.1	0.4	0.4		
28	A	21.15 41.1	0.8			+0.2	3.4	3.7		
	H	21.15 41.4	0.9			+0.3	1.2	3.0	5.0	2.7
	Z	21.15 40.1	0.9			+0.3	0.2	0.3		
28	A	22.12 08.9	1.0			+4.4	26.0	19.3		
	H	22.12 09.5	1.0			-4.2	13.2	14.1	5.8	3.7
	Z	22.12 09.6	0.9			-0.3	4.0	4.0		
28	A	22.19 23.4	0.7			+0.2	2.5	1.2		
	H	22.19 24.3	1.0			+0.3	2.0	2.7	4.8	2.6
	Z	22.19 23.6	0.8			+0.2	0.4	0.5		
28	A	23.11 35.7	0.9			+0.2	3.3	3.1		
	H	23.11 35.4	0.7			-0.2	5.0	2.0	2.4	2.7
	Z	23.11 36.1	0.6				0.5	0.2		
28	A	23.05 54.1	0.8			+0.2	0.4	1.0		
	H	23.05 52.8	1.0			+1.8	3.7	2.1	5.0	2.2
	Z	23.05 55.1	0.8				0.3	0.2		
29	A	07.44 16.4	0.5			+1.2		27.8		
	H	07.44 16.7	1.1			+0.3	9.9	14.2	3.1	3.3
	Z	07.44	0.8			+0.4	7.7	8.2		
29	A	07.51 61.7	1.2			+1.4		1.4		
	H	07.51 52.4	1.4			+2.6	6.6	10.7	2.4	2.8
	Z	07.51 53.6	1.0			+0.2	0.6	0.5		
29	A	08.41 20.5	0.7			+1.7	5.2	3.0		
	H	08.41 20.6	1.0			+4.3	8.1	14.0	4.8	3.2
	Z	08.41	0.8			-0.5	2.0	2.5		
29	A	09.04 35.0	0.6			+0.2	0.8	0.6		
	H	09.04 35.7	0.9			+1.0	2.0	3.1	4.3	2.0
	Z	09.04	0.6			-0.1	0.3	0.3		
29	A	12.16 44.2	0.6			-0.2	2.2	1.4		
	H	12.16 44.9	1.0			+0.2	2.1	2.6	3.7	2.7
	Z	12.16	0.6			+0.2	0.8	1.1		
29	A	12.53 41.2	0.6			+0.4	9.6	6.7		
	H	12.53 41.6	1.0			+0.4	3.7	5.3	4.5	3.0
	Z	12.53	0.9			-0.2	0.4	0.7		
29	A	13.20 51,5	1.2			+0.3	1.9	1.3		
	H	13.20 51.0	0.9			+1.5	2.5	4.5	6.0	2.8
	Z	13.20	1.2			-0.1	0.4	0.3		
29	A	13.20 56.7	1.2			+1.0	3.1	1.2		
	H	13.20 56.0	0.8			+2.1	2.7	4.9	6.2	3.4
	Z	13.20	1.2			+0.1	0.7	0.6		
29	A	16.14 35.8	0.7			+0.1	3.8	3.5		
	H	16.14 36.0	1.1			+0.9	5.5	7.2	4.6	3.2
	Z	16.14	0.8			+0.1	2.1	2.4		
29	A	17.48 42.3	0.6			+0.7	4.1	3.7		
	H	17.48 42.6	0.9			+0.4	1.5	3.6	4.2	2.4
	Z	17.48	0.8				0.2	0.2		
29	A	22.44 13.4	0.9			-0.3	3.5	1.1		
	H	22.44 13.8	1.1			+0.3	2.5	2.9	4.1	2.7
	Z	22.44	0.6			-0.1	0.4	0.6		
30	A	02.45 40.9	1.0				0.2	0.6		
	H	02.45 40.5	0.9			+0.4	2.3	2.9	6.2	2.9
	Z	02.45	1.0			+0.2	0.2	0.1		
30	A	05.17 26.2	0.5			-0.1	1.3	0.3		
	H	05.17 26.1	0.9			+0.6	1.9	3.6	3.7	2.0
	Z	05.17 26.1	0.8			+0.1	0.1	0.8		
30	A	11.38 38.4	0.6			+0.2	2.6	1.1		
	H	11.38 38.8	1.0			+0.7	1.9	3.3	4.4	2.3
	Z	11.38 38.7	0.9			+0.1	0.1	0.2		
30	A	14.48 13.9	1.1			+0.3	2.5	2.5		
	H	14.48 13.6	1.0			-0.6	3.6	4.0	5.6	3.5
	Z	14.48 13.8	0.9			-0.1	0.6	0.6		
30	A	22.42 56.1	0.5			+1.0	1.3	1.2		
	H	22.42 57.0	0.9			-2.5	4.0	2.9	2.0	2.6
	Z	22.42 57.5	0.4			+0.6	3.7	3.5		
31	A	00.48 25.6	1.2			+0.5	4.2	4.6		
	H	00.48 24.8	1.1			+1.8	2.5	4.9	7.0	3.1
	Z	00.48 25.4	1.2			+0.2	0.3	0.4		
31	A	02.36 50.1	0.6			-0.3	0.8	1.3		
	H	02.36 50.0	0.9			+0.4	1.8	3.2	3.9	2.4
	Z	02.36 49.5	0.7			-0.1	0.7	0.5		
31	A	03.53 09.7	0.6			+0.2	0.8	1.4		
	H	03.53 10.0	1.0			+0.3	1.9	2.9	4.2	2.4
	Z	03.53 09.7	0.7			-0.2	0.4	0.5		
31	A	03.59 11.9	0.6			+0.6	5.4	5.2		
	H	03.59 12.1	1.0			+1.4	2.0	5.5	4.5	2.9
	Z	03.59 12.3	0.9			-0.2	0.4	0.6		
31	A	12.27 22.2	0.7		+	-0.5		5.0		
	H	12.27 23.2	1.0	+	+	+3.8	4.1	12.1	3.7	3.5
	Z	12.27 22.1	0.5	-	+	-1.0	7.7	7.7		
31	A	15.34 37.5	0.7	-	-	+1.3		16.7		
	H	15.34 38.3	0.9	-	-	+0.2	6.0	3.3	2.9	3.1
	Z	15.34 38.3	0.4	-	+	-1.1	1.0	0.8		
31	A	17.36 33.1	0.8			+0.5		2.4		
	H	17.36 31.4	1.0	+		-0.2	2.2	3.4	2.2	2.7
	Z	17.36 32.9	0.4			+0.8	2.0	2.0		
31	A	21.39 16.2	0.6	+		+0.8	8.5	7.8		
	H	21.39 16.6	1.0	+	+	+2.1	8.2	7.2	4.1	3.4
	Z	21.39 16.7	0.8	-	+	-0.2	1.4	3.0		
31	A	22.37 21.4	0.8			-	2.2	3.2		
	H	22.37 19.8	0.8			+1.1	6.2	10.3	4.5	2.9
	Z	22.37 20.7	1.1	+	+	+0.2	0.4	0.6		
31	A	23.01 25.8	0.7			+0.2	2.9			
	H	23.01 25.7	0.6		-	-0.2	0.8	8.5	3.7	2.9
	Z	23.01 26.0	0.9			+0.2	0.5	0.6		

1965 November

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
01	A	05.21 40.0	0.4	+	-	+	1.7			
	H	05.21 40.5	0.9	-	-	+0.4	0.8	1.9	2.6	2.0
	Z	05.21 40.1	0.7	-		-0.2	0.3	0.3		
01	A	06.14 14.9	0.6			+1.2	9.3			
	H	06.14 16.2	0.9	+	+	+1.4	5.8	9.4	4.1	3.1
	Z	06.14 15.5	0.7	-	+	+0.6	1.2	1.2		
01	A	17.34 14.2	0.5	+		+1.6	10.1	10.5		
	H	17.34 13.8	0.8	+	-		4.7	7.2	2.5	3.1
	Z	17.34 13.5	1.0	-	-	-0.2	2.0	0.9		
01	A	18.36								
	H	18.36								
	Z	18.36								
01	A	21.51 06.2	1.2	+		+0.6	2.9	5.4		
	H	21.51 05.9	0.9	+	-	+0.6	2.8	1.9	6.5	3.3
	Z	21.51 06.5	1.2	+		+0.2	0.6	0.3		
01	A	21.55 01.5	1.1	+	-	+2.0	5.6	10.9		
	H	21.55 01.1	0.8			+6.6	8.0	10.2	6.2	3.9
	Z	21.55 01.7	1.1	+		+0.2	2.8	4.9		
01	A	21.55 35.6	1.1			+0.7	3.4	4.0		
	H	21.55 35.2	0.8	+		+1.4	3.2		6.5	3.1
	Z	21.55 35.4	1.1	+		+0.4	0.4			
01	A	21.56 12.4	1.8	+		+1.0	5.8	9.4		
	H	21.56 12.1	0.8			+4.6	6.0	10.8	5.9	3.6
	Z	21.56 12.6	1.1	+	-	+0.4	1.1	0.6		
01	A	22.39 23.9	1.2	+		+1.5		7.3		
	H	22.39 23.5	0.7			+5.5	6.0	9.0	5.4	3.7
	Z	22.39 24.1	1.2	+	-	+0.6	2.0	1.0		
01	A	23.03 49.1	1.2			-0.4	1.9	2.2		
	H	23.03 49.2	0.7			+2.0	9.2	15.2	5.0	3.4
	Z	23.03 09.1	1.2			+0.1	2.4	1.0		
02	A	00.23 15.5	0.3			-0.6	7.4	3.8		
	H	00.23	0.8		-	+0.2	6.3	10.6	1.4	2.9
	Z	00.23 15.8	0.9	+	-	+0.2	1.0	1.1		
02	A	01.26 51.9	0.7	+		-0.3	4.5	11.5		
	H	01.26 52.6	0.5		+	+0.7	7.0	9.1	2.9	3.4
	Z	01.26 52.5	0.8		+	-0.4	1.6	1.3		
02	A	01.28 26.0	0.6	-		+0.8	10.2	13.7		
	H	01.28 27.2	0.8			+	16.7	9.8	3.8	3.8
	Z	01.28 27.0	0.9	-	-	+0.4	4.4	6.8		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Nov. 1965

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	04.50 22.2	0.8			+0.3		1.6		
02	H	04.50 22.3	0.8	-	-	-1.2	2.9	3.8	1.6	3.0
	Z	04.50 21.7	0.4	-	-	-0.4	3.0	1.9		
	A	05.02 06.6	0.5		+	-		46.0		
02	H	05.02 07.2	1.0	+	+	+	17.5	38	4.0	4.2
	Z	05.02 06.8	0.8	-	+	+	13.0	12.0		
	A	05.03 43.6	0.5			+1.4		17.9		
02	H	05.03 44.1	1.0	+	+		10.4	15.7	3.3	3.6
	Z	05.03 43.7	0.8			+0.2	2.2	3.2		
	A	05.05 38.3	0.3					0.8		
02	H	05.05 39.3	1.0	-	-	+0.2	2.6	4.5	2.3	2.0
	Z	05.05 38.3	0.7			-0.1	0.8	0.6		
	A	05.08 22.7	0.6			-0.3	2.1	1.8		
02	H	05.08 24.6	1.0	-	+	+1.3	3.2	4.9	4.0	2.6
	Z	05.08 23.6	0.7	+	-	-0.2	0.8	0.9		
	A	11.57 11.5	1.0		-	+0.5	0.2	1.5		
02	H	11.57 11.3	0.6	-	-	-0.4	2.7	3.7	4.3	2.6
	Z	11.57 11.5	0.8			+0.1	0.6	0.4		
	A	22.18 30.8	1.0			-		2.3		
02	H	22.18 31.3	1.3	-		+1.7	4.8	3.5	5.8	3.1
	Z	22.18 30.5	0.8				1.6	1.8		
	A	22.56 48.5	1.1			+		2.2		
02	H	22.56 47.8	0.7			+2.0	2.3	5.3	4.2	2.5
	Z	22.56 48.4	0.9				0.1	0.2		
	A	10.25 25.9	0.3					16.9		
03	H	10.25 27.4	0.9	-	-	+0.2	10.9	15.0	2.5	3.6
	Z	10.25 26.7	0.6		+	-0.4		8.4		
	A	10.39 04.5	0.6	-		+0.2		0.5		
03	H	10.39 05.0	0.7	-		+0.3	2.8	4.1	3.2	2.2
	Z	10.39 04.8	0.7			+0.1	0.4	1.0		
	A	10.50 12.0	0.6			+1.2		1.0		
03	H	10.50 12.6	1.0			+0.2	1.6	2.3	2.8	2.3
	Z	10.50 11.9	0.5				1.0	1.3		
	A	11.20 44.0	0.9		+		5.7	1.5		
04	H	11.20 45.0	0.9			+0.4	1.4	1.8	5.7	3.2
	Z	11.20 44.3	1.0			+0.1	1.0	0.4		
	A	11.35 17.6	0.8					0.2		
04	H	11.35 18.1	0.8				1.1	1.8	3.6	1.5
	Z	11.35 17.1	0.6			-0.1	0.2	0.3		
	A	14.08 40.3	0.5					1.8		
04	H	14.08 40.8	1.1		-	-0.1	2.7	6.8	2.5	2.9
	Z	14.08 40.0	0.6			+0.1	4.8	4.4		
	A	14.46 47.2	0.7			+0.5		0.2		
04	H	14.46 47.8	1.1			+0.2	1.4	2.0	3.9	2.0
	Z	14.46 47.5	0.6			+	0.4	0.8		
	A	16.42 15.5	0.8			-0.3		1.3		
04	H	16.42 16.9	1.1	-		+0.4	3.0	4.2	4.0	2.9
	Z	16.42 16.1	0.6			+0.1	1.8	3.2		
	A	18.39 44.4	1.2					1.4		
04	H	18.39 44.0	0.8			+1.1	1.1	1.1	6.5	2.7
	Z	18.39 44.6	1.1				0.4	0.2		
	A	19.53 15.1	0.5		-			9.4		
04	H	19.53 15.4	0.8			+0.8	1.9	4.4	3.5	2.7
	Z	19.53 15.5	0.9			-0.3	0.4	0.3		
	A	20.48 35.1	0.5			+1.0		5.2		
04	H	20.48 35.4	1.1	-	+	+0.4	2.9	4.8	3.3	2.9
	Z	20.48 34.8	0.9	-	-	+0.3	0.7	0.9		
	A	21.31 21.6	0.7		+	+1.6		6.1		
04	H	21.31 22.3	0.8			+0.1	2.6	2.8	4.5	2.9
	Z	21.31 21.9	0.9			-0.2	0.5	0.4		
	A	23.45 48.7	0.5		-	-1.0		33.0		
04	H	23.45 49.2	1.0	+0.6	+1.0	+8.1	23.0	34.0	3.7	4.6
	Z	23.45 48.7	0.8			-0.4	30.0	35.0		
	A	00.23 13.8	0.7		-	-0.7		1.0		
05	H	00.23 14.6	1.0				1.3	2.1	4.7	2.7
	Z	00.23 13.4	0.8		-	+0.7	1.8	1.3		
	A	01.14 43.5	0.8			-0.4		1.7		
05	H	01.14 44.0	1.1			+0.4	2.8	3.4	4.1	2.5
	Z	01.14 43.2	0.6			+0.4	0.6	0.9		
	A	08.39 02.8	1.2					0.9		
05	H	08.39 03.9	1.0			+0.4	1.1	2.0	4.9	2.8
	Z	08.39 02.8	0.9				0.6	0.8		
	A	13.38 42.2	0.5					2.2		
05	H	13.38 43.2	1.0	-	-	+0.6	5.6	3.8	3.3	3.0
	Z	13.38 42.7	0.6			-0.3	3.6	4.4		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.48 43.0	0.8			-		1.2		
05	H	14.48 45.1	1.1			+0.2	2.0	2.2	3.4	2.5
	Z	14.48	0.5				1.4	1.0		
	A	15.20 48.5	0.9		+	+		4.3		
05	H	15.20 49.6	1.2			+0.4	1.0	0.8	6.0	3.2
	Z	15.20 48.7	0.9				1.5	1.4		
	A	16.36 32.5	0.5					0.8		
05	H	16.36 33.8	1.1				1.4	1.2	2.5	1.9
	Z	16.36 33.0	0.6			+0.4	0.2	0.4		
	A	20.17 10.6	0.6			+0.2		2.3		
05	H	20.17 11.5	0.9			+0.6	2.3	2.7	3.8	2.4
	Z	20.17 11.1	0.7				0.5	0.4		
	A	20.17 43.5	0.6					0.8		
05	H	20.17 44.4	0.9			+1.0	1.9	2.4	3.6	1.8
	Z	20.17 43.9	0.6				0.2	0.2		
	A	21.13 04.2	0.7					2.7		
05	H	21.13 05.3	1.1	+	-	+0.9	3.1	1.6	4.5	2.7
	Z	21.13 04.7	0.7				0.8	0.6		
	A	22.15 50.6	0.7			-		0.4		
05	H	22.15 51.2	1.0				3.1	3.9	3.6	1.9
	Z	22.15 50.7	0.5			-0.2	0.3	0.4		
	A	00.11 41.0	0.2					0.8		
06	H	00.11 41.5	1.0			+0.3	1.6	2.0	1.2	1.6
	Z	00.11 41.0	0.6				0.4	0.4		
	A	04.32 19.2	0.6			-0.2		0.5		
06	H	04.32 21.1	1.0			-0.1	2.2	2.2	3.7	1.9
	Z	04.32 20.3	0.6			+0.4	0.5	0.6		
	A	07.57	0.5			+0.9		4.2		
06	H	07.57 25.4	0.9	-	-	-2.7	3.7	4.9	1.5	3.0
	Z	07.57 25.3	0.3	-		-0.6		6.3		
	A	07.57 34.6	0.5			+2.8		6.2		
06	H	07.57	1.0			+0.4	3.0	5.0	3.7	2.7
	Z	07.57 35.8	0.8	+	+	-0.4	0.6	0.5		
	A	08.15	0.4			+		0.8		
06	H	08.15 21.5	0.9	-		+0.3	2.3	3.0	2.3	1.9
	Z	08.15 21.1	0.6				0.5	0.6		
	A	16.29 36.7	0.8	+		+	8.1	11.8		
06	H	16.29 37.4	1.0			-	10.7	16.3	5.0	3.6
	Z	16.29 37.2	0.7	-			1.3	3.0		
	A	17.31 52.2	0.9	+		+	2.5	1.7		
06	H	17.31 52.6	1.1	+	+	+	5.7	9.1	3.6	3.2
	Z	17.31 52.0	0.5				3.6	4.0		
	A	18.21 17.1	0.9	+			14.6	22.2		
06	H	18.21 17.4	0.9	-		+	10.1	8.2	5.6	3.8
	Z	18.21 17.6	0.9	-		+	2.7	2.8		
	A	18.23 16.2	0.6	+	+	+	7.8	6.8		
06	H	18.23 17.0	1.0	+	+		4.0	4.8	4.5	3.0
	Z	18.23 17.3	0.9	-			0.4	0.6		
	A	18.36 10.1	0.7	+	+	+	3.2	2.5		
06	H	18.36 10.2	0.9	-	-	+	3.4	3.8	2.0	3.1
	Z	18.36 09.7	0.3	-			6.2	3.7		
	A	19.02 38.3	0.9		-	-	7.2	13.0		
06	H	19.02 38.4	0.9	+	-	+	3.5	5.3	5.3	3.4
	Z	19.02 38.6	0.8	-	+	-	0.8	0.6		
	A	19.03 21.3	0.8	+			11.0	10.2		
06	H	19.03 21.6	1.0	+	-	-	4.4	5.2	5.4	3.4
	Z	19.03 21.8	0.8				1.2	1.2		
	A	20.58 28.7	0.7	+			3.5	5.2		
06	H	20.58 30.2	0.9	+		+	5.4	5.9	3.2	3.6
	Z	20.58 29.9	0.5	-		-	14.5	14.0		
	A	01.37 26.1	0.8	-	-	-	4.4	4.3		
07	H	01.37 27.3	0.9	+		+	4.8	6.8	5.3	3.6
	Z	01.37 26.8	1.0	-	+		0.3	0.6		
	A	04.31 24.5	1.1	+	+		1.3	2.9		
07	H	04.31 23.9	0.9				5.3	7.7	6.4	2.9
	Z	04.31 24.6	1.1				0.4	0.4		
	A	05.59 33.5	0.6	+	-		3.6	3.6		
07	H	05.59 33.9	0.9			-	3.2	5.2	4.4	2.9
	Z	05.59 33.7	0.7	+		+	0.9	1.0		
	A	07.21 38.2	0.6	+	+	+	1.5	1.0		
07	H	07.21 38.8	0.9	-		-	3.6	4.8	4.0	2.5
	Z	07.21 38.8	0.7	-	+	-	0.8	0.6		
	A	08.31 07.5	0.8	+	+	+	1.2	1.7		
07	H	08.31 07.8	0.9	+	+		2.0	3.5	5.0	2.5
	Z	08.31 07.8	0.8				0.6	0.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Nov. 1965
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	13.53 59.2	1.1				3.5	4.1		
07	H	13.54 00.7	1.0			+	2.6	4.2	5.1	3.6
	Z	13.54 00.3	0.8							
	A	14.08 12.9	1.2	+	-	+	2.2	3.8		
07	H	14.08 12.5	0.8		+	+		12.0	5.8	3.7
	Z	14.08 13.0	1.2			+				
	A	17.28 53.6	1.3	+		+	2.2	2.9		
07	H	17.28 53.2	0.9		+	+	6.8	3.6	6.4	3.5
	Z	17.28 53.9	1.2			+				
	A	20.27 45.0	0.7				5.2	4.6		
07	H	20.27 45.7	0.9		+	+	2.3	3.1	3.3	3.4
	Z	20.27 46.0	1.2			-				
	A	21.42 50.3	0.7	+	+	-	6.6	6.9		
07	H	21.42 51.3	0.9			+	1.8	4.3	4.8	3.6
	Z	21.42 51.2	1.0			-				
	A	11.38 37.8	1.2				2.1	1.3		
08	H	11.38 38.5	1.1			+	1.8	3.3	2.9	3.1
	Z	11.38 37.9	0.7				1.0	1.8		
	A	12.38 09.8	0.8	+	-	+	31.7	17.2		
08	H	12.38 10.5	1.2		+	+	11.6	14.8	5.8	4.3
	Z	12.38 10.4	0.9	-	+	-	7.0	4.2		
	A	12.39 53.4	1.0			+		13.6		
08	H	12.39 54.1	1.0			+	2.5	4.0	5.9	3.5
	Z	12.39 54.0	0.9		+	-	0.8	0.8		
	A	17.36 01.3	1.2		-	+		4.0		
08	H	17.36 01.0	0.8			+	10.2	15.6	6.2	3.8
	Z	17.36 01.8	1.2				5.6	1.9		
	A	18.27 08.6	1.1			+		2.3		
08	H	18.27 08.9	0.8			+	5.3	8.4	6.0	3.1
	Z	18.27 09.6	1.2				1.0	0.6		
	A	20.15 43.3	0.9	+	+	-	11.2	11.4		
08	H	20.15 43.7	1.1	+	+	+	13.9	21.1	4.0	4.0
	Z	20.15 43.4	0.6				10.8	14.2		
	A	23.18 34.1	1.1	-	+		4.1	6.0		
08	H	23.18 34.1	1.0	-		+	4.4	3.4	7.1	3.4
	Z	23.18 34.6	1.2				0.9	1.1		
	A	01.40 50.3	0.8	-	+		2.8	3.4		
09	H	01.40 50.8	1.0	+	+	+	7.0	11.0	4.2	3.6
	Z	01.40 50.7	0.6	-	+		10.8	3.2		
	A	05.32 02.4	0.9	+		-	1.8	1.1		
09	H	05.32 03.2	1.0				4.4	7.3	2.6	2.7
	Z	05.32 02.5	0.4					1.5		
	A	06.02 46.9	1.0	+		+	8.4	7.2		
09	H	06.02 47.6	1.0				3.6	5.3	6.2	3.1
	Z	06.02 47.5	0.9					0.4		
	A	08.11 29.2	1.3	+		-	1.9	1.8		
09	H	08.11 28.5	0.9		+	+	9.8	4.6	5.7	2.9
	Z	08.11 29.4	1.2					0.4		
	A	00.27 07.9	0.5				1.2	1.0		
10	H	00.27 08.4	0.9	+		+1.0	2.8	4.9	3.6	2.2
	Z	00.27 08.5	0.8			+0.1	0.3	0.5		
	A	00.39 06.3	0.6			-0.1	2.5	4.0		
10	H	00.39 07.1	0.9	+	+	+1.0	3.8	5.6	4.0	3.1
	Z	00.39 06.8	0.7			+0.1	2.0	1.8		
	A	01.31 56.9	0.6			+0.3	5.1	11.8		
10	H	01.31 55.6	1.1	+	+	+1.3	11.0	13.6	3.9	3.7
	Z	01.31	0.7		+	-0.2	5.6	7.0		
	A	00.49 46.8	0.7			-0.2	1.3	0.9		
10	H	00.49	0.8	+			7.3	10.5	3.2	2.4
	Z	00.49 46.4	0.5			+0.1	0.4	0.8		
	A	04.38 33.5	0.6			+0.9	2.2	4.5		
10	H	04.38 33.5	0.9	+		+0.7	2.4	5.2	2.2	2.9
	Z	04.38 33.4	0.3	+		+0.6	3.4	3.2		
	A	04.58 27.8	0.5			-1.6	3.4	6.4		
10	H	04.58 28.9	0.9	+	+	+0.3	4.5	7.9	1.1	3.3
	Z	04.58 27.7	0.2		-	+3.4	6.8	4.5		
	A	07.05 17.0	0.4			-	5.0	3.2		
10	H	07.05 17.3	0.9	+		+0.2	3.3	6.1	2.6	2.5
	Z	07.05 17.0	0.7			+0.3	0.5	0.4		
	A	07.07 53.9	0.4			-1.2	4.4	7.2		
10	H	07.07 58.3	1.1			+0.7	2.7	5.5	2.8	2.9
	Z	07.07 58.9	0.7			+0.6	1.0	0.5		
	A	07.52 39.9	0.7			+0.3	6.4	5.3		
10	H	07.52 40.8	0.9	-	-	+0.6	2.1	1.6	4.6	2.8
	Z	07.52 40.7	0.8	+		+0.3	0.4	0.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	13.41 44.3	0.6			+0.6	4.7	18.2		
10	H	13.41 44.8	0.7		+	-0.2	9.9	10.4	3.7	3.5
	Z	13.41 44.9	0.9	-	+	-0.4	1.5	0.6		
	A	14.05 06.8	0.8				9.0	9.8		
10	H	14.05 07.3	1.0	-		+1.1	2.4	2.8	5.5	3.5
	Z	14.05 07.4	1.0			-0.2	2.1	1.9		
	A	19.55 22.7	0.7			+0.3	1.2	1.2		
10	H	19.55 23.1	1.0	-	-	+0.7	4.4	5.6	4.5	2.6
	Z	19.55 23.1	0.8			-0.3	0.8	1.3		
	A	21.22 24.4	0.7				0.5	0.9		
10	H	21.22 24.3	0.8			+1.0	3.8	4.2	4.1	2.3
	Z	21.22 25.0	1.0				0.1	0.2		
	A	01.49 09.3	0.5			-0.3	4.9	2.3		
11	H	01.49 09.9	0.9	-	-	+0.6	1.4	1.4	3.7	2.8
	Z	01.49 09.8	0.8	-	+	-0.2	0.4	0.6		
	A	04.11 38.6	0.8			-0.2	1.7	1.3		
11	H	04.11 39.4	1.2	+	+	-0.4	3.0	4.4	3.9	2.7
	Z	04.11 38.5	0.6				1.0	1.2		
	A	12.49 17.4	0.6			-0.6	3.8	3.9		
11	H	12.49 17.9	0.9	+	+	+1.6	9.6	12.0	3.9	3.3
	Z	12.49 17.2	0.7	-	+	-0.3	3.8	6.4		
	A	12.53 58.9	0.6	-		-0.2	0.8	1.2		
11	H	12.53 59.4	0.9	+	-	+0.4	2.2	2.6	3.6	2.4
	Z	12.53 59.0	0.6				0.6	0.8		
	A	13.04 33.2	0.5	-	+	+	17.5			
11	H	13.04 33.7	0.7	+	+	+0.4	14.0	14.4	3.1	3.9
	Z	13.04 33.4	0.9		+	-0.4	8.9	10.3		
	A	15.03 39.5	0.6				5.5	6.4		
11	H	15.03 40.1	0.8			+0.3	2.4	3.4	3.8	2.9
	Z	15.03 39.8	0.9	-			0.5			
	A	17.17 34.5	0.5			-0.1	2.5	3.6		
11	H	17.17 34.9	0.9	-		+1.2	1.7	2.4	3.6	2.8
	Z	17.17 34.8	0.7	-			1.0			
	A	18.18 07.1	0.5	-			4.9	2.2		
11	H	18.18 07.7	0.5	+	+	+1.3	0.3	0.3	1.7	2.6
	Z	18.18 07.3	0.7	-			0.5			
	A	18.48	0.7		-	+0.6	1.1	0.7		
11	H	18.48 51.0	0.9	-	+	-2.3	3.9	3.0	1.9	2.7
	Z	18.48 50.2	0.3	+			4.9			
	A	22.15 24.3	0.7				0.4	0.7		
11	H	22.15 24.5	0.8			-0.7	2.2	1.4	2.4	2.2
	Z	22.15 24.2	0.4				1.3			
	A	22.51 50.9	0.9			+0.6	5.8	9.8		
11	H	22.51 51.5	1.0	+	+	+1.6	8.3	8.6	6.0	3.3
	Z	22.51 50.8	0.9				4.0			
	A	23.01 31.9	1.1	-	-	+0.9	5.9	3.9		
11	H	23.01 31.8	0.8		+	+0.6	4.1	6.6	5.9	3.0
	Z	23.01 32.4	1.2				0.3			
	A	04.33 27.2	0.6	-	+	-0.3	2.4	2.5		
12	H	04.33 27.8	1.0			+0.4	3.0	3.9	3.3	2.6
	Z	04.33 27.0	0.5				1.0			
	A	07.41 09.9	1.0			+0.3	1.7	1.6		
12	H	07.41 10.2	1.2			+0.3	1.3	0.9	4.9	2.9
	Z	07.41 09.7	0.7				1.6			
	A	08.10 50.7	0.8			+0.6	6.9	4.5		
12	H	08.10 51.3	1.1	-	+	+1.4	2.7	4.5	5.6	3.1
	Z	08.10 50.9	0.9				0.8			
	A	08.24 22.1	0.8	-		+3.2	5.5	11.7		
12	H	08.24 22.7	1.0			-0.7	6.1	8.2	5.3	3.8
	Z	08.24 22.2	0.9	-			5.3			
	A	12.16 44.9	1.1	-			1.1	3.7		
12	H	12.16 44.2	0.9			+1.2	2.6	4.7	6.6	3.3
	Z	12.16 44.7	1.2				1.2	0.7		
	A	18.33 38.5	0.6			+0.1	4.9	7.0		
12	H	18.33 39.1	0.9		+	+1.6	4.8	6.2	4.2	3.0
	Z	18.33 38.7	0.8	+			0.6	0.7		
	A	23.38 16.1	0.4	-	-	+1.8		10.8		
12	H	23.38 16.4	0.7	-	-	+1.3	4.6	10.4	1.7	3.1
	Z	23.38 16.2	0.9	-		-0.4	0.9	1.0		
	A	03.35 42.4	0.5		-	+1.0		10.0		
13	H	03.35 42.8	0.7			+1.8	4.2	8.4	2.7	3.1
	Z	03.35 42.5	0.9	-		-0.7	0.9	1.0		
	A	06.04 43.4	1.0			-		2.0		
13	H	06.04 43.3	0.7		+	-0.5	2.8	4.8	4.6	2.6
	Z	06.04 43.3	1.0			+0.2	0.2	0.3		

Nov. 1965

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	17.41 10.0	0.5			-0.3	5.7	6.5		
13	H	17.41 10.3	0.9			+0.2	4.8	6.4	2.9	3.2
	Z	17.41 10.1	1.0	-	+	-0.3	1.5	1.3		
	A	23.14 33.5	0.4				41.0	71.0		
13	H	23.14 33.3	0.9	+	+	+3.8	49.5	31.0	2.9	4.5
	Z	23.14 33.1	0.7	+		+0.4	18.0	13.0		
	A	23.35 23.0	0.6			+0.6		2.7		
13	H	23.35 23.6	1.1			+0.7	4.3	5.3	3.8	2.9
	Z	23.35 23.2	0.7	-	+	+0.2	2.3			
	A	08.29 34.7	0.7					0.8		
14	H	08.29 34.7	0.8	+		-2.1	1.9	0.6	2.1	2.4
	Z	08.29 34.0	0.4			-0.2	1.9	1.1		
	A	08.34 01.0	0.7			+0.6		15.7		
14	H	08.34 01.6	1.1	+	+	-0.9	12.0	15.0	5.0	3.8
	Z	08.34 00.0	0.8	-	+	-1.3		4.4		
	A	12.31 29.7	0.6			+2.2	8.0			
14	H	12.31 30.3	1.0	-	+	+1.5	1.3	2.0	4.1	2.9
	Z	12.31 30.1	0.8			-0.2	0.6	0.5		
	A	13.32 31.7	0.7	+		+0.5	5.9			
14	H	13.32 32.3	1.0	+	+	+4.8	5.1	4.4	4.8	3.3
	Z	13.32 32.1	0.8	-		-0.9	2.5	1.9		
	A	23.56 08.5	0.6			+0.7	2.9	3.4		
14	H	23.56 08.4	0.7			+1.0	3.3	3.0	3.2	2.6
	Z	23.56 08.3	0.8			-0.2	0.4	0.5		
	A	01.09 49.9	0.7		-	+0.7	2.9	2.2		
15	H	01.09 49.8	0.9	-	+	+3.2	3.0	2.2	2.1	3.1
	Z	01.09 49.2	0.3		+	+1.6	6.2	5.6		
	A	01.42 05.4	0.7			+0.6	1.2	0.6		
15	H	01.42 05.4	0.8	-	+	-1.0	2.2	1.7	1.7	2.7
	Z	01.42 04.8	0.4	+		+0.4	4.1	3.8		
	A	01.45 00.5	0.4			+1.7	10.0	10.7		
15	H	01.45 00.9	0.8		+	+3.4	8.0	6.6	2.8	2.8
	Z	01.45 00.9	0.7	-		-0.3	0.4	0.6		
	A	09.23 06.6	0.6			+0.2	6.4	8.3		
15	H	09.23 07.2	0.8		+	-3.2	3.0	6.2	4.1	3.0
	Z	09.23 07.0	0.8	-	+	-0.2	0.4	0.7		
	A	13.44 32.5	1.2			+0.7	1.8	4.0		
15	H	13.44 32.6	0.8		+	+4.5	4.6	4.6	5.9	3.2
	Z	13.44 33.1	1.2			+0.1	0.7	0.4		
	A	15.35 03.4	0.7		-	+	3.9	5.8		
15	H	15.35 04.3	1.1		+	+	3.0	2.8	4.8	3.1
	Z	15.35 03.4	0.8		+	+	1.3	1.2		
	A	00.18 21.2	0.3	-	+	+		68.0		
16	H	00.18 20.8	0.94	+	+	+	25.0		4.5	2.2
	Z	00.18 21.1	0.75	-	-	+	14.4	25.0		
	A	07.19 22.5	0.9		-	+		3.6		
16	H	07.19 22.7	0.8	-		-	8.4		1.2	3.6
	Z	07.19 21.9	0.4			-	14.9	13.7		
	A	12.37 20.7	0.5	-	-	+	3.0	6.2		
16	H	12.37 21.5	0.8			+	3.3	4.9	3.3	2.8
	Z	12.37 21.3	0.7	-		-	0.3	0.7		
	A	21.35 44.3	0.7	-		+	0.9	1.5		
16	H	21.35 44.3	0.9				3.5	2.7	4.7	2.9
	Z	21.35 43.9	0.8				2.4	1.5		
	A	21.12 08.9	0.7	+	-	-	3.8	3.5		
17	H	21.12 09.1	1.2	+	+	+	8.5	12.5	4.5	3.6
	Z	21.12 08.7	0.7	+	-	+	6.0	10.5		
	A	21.54 44.2	0.8		+	+	1.8	2.0		
17	H	21.54 44.7	0.9				3.0	4.2	4.4	2.8
	Z	21.54 44.6	0.7			-	1.3	1.1		
	A	23.31 33.6	0.8	-		-	0.8	0.6		
17	H	23.31 34.0	1.0	-		+	2.0	3.4	3.7	2.5
	Z	23.31 33.4	0.5			+	0.5	1.9		
	A	23.32 03.2	0.8	-	+	-	0.7	0.5		
17	H	23.32 03.1	1.1			+	2.2	4.5	3.7	2.3
	Z	23.32 04.0	0.5		-	+	0.4	1.0		
	A	01.53 52.0	1.0			-	2.1	1.3		
18	H	01.53 57.5	1.2			+	2.4	3.4	4.3	2.8
	Z	01.53 57.0	0.6				1.0	1.0		
	A	05.59 10.0	0.9	+		-	1.4	1.4		
18	H	05.59 10.4	1.3	-		+	3.0	3.4	3.8	2.8
	Z	05.59 09.8	0.7				0.8	1.3		
	A	17.51 38.3	0.8	-		+	3.6	3.5		
18	H	17.51 38.7	1.0	-	-	+	2.7	5.1	3.7	3.1
	Z	17.51 38.2	0.5			-	2.5	2.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	18.14 53.7	0.5			+	42.5	17.0		
18	H	18.14 54.5	1.0	+	+	+	15.5	14.0	4.3	3.6
	Z	18.14 54.4	0.7	i		+	10.0	12.0		
	A	18.39 21.5	0.8	-	-	+	10.0	5.5		
18	H	18.39 22.2	1.0		+	+	3.4	3.2	4.9	3.5
	Z	18.39 22.1	0.7				2.7	1.7		
	A	20.55 33.4	0.8			+	59.4	32.7		
18	H	20.55 34.0	0.9			+	1.9	4.4	5.4	4.0
	Z	20.55 34.0	0.9	-		-	2.8	1.4		
	A	00.55 25.9	0.7			+	1.4	1.5		
19	H	00.55 26.3	1.0			+	2.0	2.6	4.5	2.9
	Z	00.55 26.0	0.7			-	0.8	0.7		
	A	01.03 44.3	0.6			-	2.8	2.7		
19	H	01.03 44.5	1.1			+	2.2	2.8	3.3	2.9
	Z	01.03 44.2	0.6			+	1.2	1.6		
	A	05.12 18.6	1.0	+	+	+	7.7	18.0		
19	H	05.12 19.5	1.0				2.8	6.4	6.1	4.1
	Z	05.12 13.9	0.9			-	2.9	6.0		
	A	09.22 23.4	0.7			-	1.4	1.2		
19	H	09.22 23.9	0.9			+	2.0	3.6	3.7	2.4
	Z	09.22 23.5	0.6			-	0.4	0.7		
	A	20.46 48.7	0.8	-		-	13.0	10.4		
19	H	20.46	1.1	+	+	+	7.6	11.0	4.4	4.0
	Z	20.46 48.2	0.6			-	15.3	14.4		
	A	00.14 34.1	0.7			+	2.8	2.3		
20	H	00.14 34.0	0.9			+	2.6	3.6	3.8	2.5
	Z	00.14 34.1	0.6			-	0.4	0.5		
	A	04.01 01.1	0.9	-	+	+	2.2	2.1		
20	H	04.01 00.9	0.8			-	6.2	5.0	1.2	3.2
	Z	04.01 00.6	0.6	+		+	2.7	5.8		
	A	05.53 26.5	0.6	-			1.5	2.1		
20	H	05.53 27.2	1.0			+	2.5	3.4	4.1	2.4
	Z	05.53 26.8	0.8				0.3	0.4		
	A	08.34 49.0	0.6	-	+	-	3.2	1.2		
20	H	08.34 49.4	1.0			-	1.1	3.2	2.9	3.0
	Z	08.34 48.3	0.5			+				
	A	16.38 45.0	0.6				2.6	1.6		
20	H	16.38 45.0	1.0	-		+0.5	3.8	4.5	3.6	2.8
	Z	16.38 43.3	0.6				1.6	1.3		
	A	20.59 39.8	0.6	+			2.5	4.3		
20	H	20.59 40.1	1.0	-	+	+1.0	2.4	3.4	4.1	3.4
	Z	20.59 40.0	0.7				1.1	7.5		
	A	03.30 34.5	0.5				71.4	66.5		
21	H	03.30 35.4	1.1	+	+	+1.6	34.0	25.0	2.7	4.1
	Z	03.30 37.3	0.6			-0.2	20.0	12.0		
	A	04.00 33.8	0.4			+	2.0	1.8		
21	H	04.00 32.8	1.0			-0.2	2.3	6.8	2.5	2.1
	Z	04.00 33.1	0.7					0.4		
	A	04.42 51.8	0.7	-			3.2	4.2		
21	H	04.42 52.4	1.1	+	+	-0.3	2.7	2.5	3.4	3.1
	Z	04.42 51.0	0.5	+	-		1.6	2.9		
	A	05.26 23.6	0.5	-			9.8	3.4		
21	H	05.26 23.4	0.9			-0.1	2.4	3.3	3.5	3.1
	Z	05.26	0.7		-	+0.4	1.0	1.1		
	A	06.04 09.2	0.4				7.2	5.1		
21	H	06.04 09.3	0.9	-	-	+1.4	5.0	5.2	3.0	2.9
	Z	06.04 09.2	0.7				0.5	1.0		
	A	11.41 02.1	0.6			+1.9	5.5	13.1		
21	H	11.41 02.2	0.9	-	+	+1.0	3.3	6.8	4.2	3.2
	Z	11.41 01.9	0.8			-0.2	0.5	0.4		
	A	11.45 31.9	1.1	+		+0.9	4.1	7.5		
21	H	11.45 31.2	0.9	-		+5.9	5.1	10.6	6.4	3.8
	Z	11.45 31.7	1.2			+0.4	3.3	1.2		
	A	15.38 36.6	0.5				49.3	41.2		
21	H	15.38 37.4	1.2	-	+		14.0	12.0	1.1	3.9
	Z	15.38 36.9	0.7	+	-	+1.6	16.0	17.0		
	A	00.17 13.5	0.6	-			5.4	5.4		
22	H	00.17 14.1	0.9	+	+	+1.1	3.2	3.6	4.1	2.9
	Z	00.17 13.8	0.8			-	0.7	0.8		
	A	03.39 37.5	0.7				2.9	2.9		
22	H	03.39 38.0	1.3	-		+0.4	2.3	4.8	3.6	2.8
	Z	03.39 37.0	0.7	-	-	+0.4	0.7	1.4		
	A	06.58 30.0	0.7	-			5.1	8.0		
22	H	06.58 30.8	1.0	-		+1.0	5.4	4.5	5.0	3.6
	Z	06.58 30.0	0.8	-		-1.8	1.6	3.3		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	07.13 27.2	0.5				7.3	6.6		
22	H	07.13 27.9	0.9		+	+0.4	4.9	3.8	3.4	2.8
	Z	07.13 27.3	0.8				0.6	0.5		
	A	21.09 14.7	0.6			+0.7	50.5	50.0		
22	H	21.09 15.5	1.1	+	+	+1.9	36.0		3.7	4.8
	Z	21.09 14.6	0.6		+	-1.8	25.0	46.0		
	A	22.20 15.0	0.7			+	0.6	2.1		
22	H	22.20 16.0	1.0	+	+	-0.6	4.5	7.0	4.2	3.1
	Z	22.20 15.3	0.6	-	+	-1.2	4.3	2.0		
	A	22.30 04.9	0.6		+		25.0	40.0		
22	H	22.30 05.8	1.2	+	+	-	31.0	31.0	3.2	4.7
	Z	22.30 04.6	0.6			+2.8	29.0	41.0		
	A	23.37 05.0	0.8	-		-0.7	1.3	2.2		
22	H	23.37 05.8	1.0			-0.4	2.8	3.4	2.2	2.8
	Z	23.37 04.3	0.3			+0.7	2.3	2.8		
	A	23.37 16.7	0.7	-	+	-0.3	3.5	3.1		
22	H	23.37 17.7	1.3			+0.1	1.7	3.4	1.7	2.6
	Z	23.37 16.3	0.5			+0.4	0.5	0.8		
	A	23.38 50.2	0.6			-0.2	5.1	3.8		
22	H	23.38 50.8	1.0	+	+	2.4	6.8	11.0	3.3	3.5
	Z	23.38 49.7	0.5	+	+	-0.9	6.4	9.2		
	A	01.59 23.3	0.8	-		+2.6	6.3	7.9		
23	H	01.59 24.6	0.8			+0.4	2.0	3.0	4.3	3.4
	Z	01.59 23.7	0.7	-	+	-1.0	2.2	0.9		
	A	02.31 14.4	0.5			-0.9	5.0	3.6		
23	H	02.31 15.2	1.0	-	-	+0.1	3.3	4.2	2.3	2.8
	Z	02.31 14.1	0.4			+	1.8	1.1		
	A	02.31 33.9	0.7	-			3.3	2.1		
23	H	02.31 34.7	1.0	-		+0.2	3.1	5.0	4.0	3.2
	Z	02.31 33.7	0.6			+0.4	2.0	4.8		
	A	02.46 45.5	0.7			-1.1	2.8	2.7		
23	H	02.46 46.0	1.1	-		+0.4	3.7	6.8	3.7	2.9
	Z	02.46 45.1	0.6	+	-	+0.5	1.2	1.7		
	A	02.57 41.3	0.6	-	+	+		53.0		
23	H	02.57 42.3	1.1	+	+	+3.4	38.0	52.0	2.5	5.0
	Z	02.57 41.2	1.5	+	+	-		41.6		
	A	04.12 36.9	0.6	-	+	-0.5	2.5	3.8		
23	H	04.12 37.9	1.1	+	+	+0.2	4.8	5.5	3.5	3.1
	Z	04.12 36.8	0.6	-	+	+0.4	2.4	3.1		
	A	04.58 33.5	0.7			-0.9	1.5	2.8		
23	H	04.58 34.6	1.2	-		+0.2	2.4	5.0	2.1	2.6
	Z	04.58 33.3	0.4		-	+0.9	1.0	1.3		
	A	09.56 31.9	0.8			-0.3	2.5	1.9		
23	H	09.56 32.8	1.0				5.6	6.0	4.3	3.0
	Z	09.56 32.0	0.6				3.0	1.1		
	A	14.36 12.6	0.7	-		-0.5	4.6	4.1		
23	H	14.36 13.8	1.0			+0.1	2.1	3.0	2.7	2.9
	Z	14.36 12.4	0.4	+		-1.0	2.8	1.2		
	A	18.20 54.4	1.0		-	+1.6	12.9	14.1		
23	H	18.20 55.7	1.2				5.4	7.8	6.6	3.8
	Z	18.20 54.7	1.0	+		-0.3	2.8	1.2		
	A	19.51 22.0	0.8		+	+3.8	38.0	23.0		
23	H	19.51 23.0	1.0			-0.8	2.8	4.0	5.5	3.7
	Z	19.51 22.6	1.0	-	+	-0.5	0.9	0.5		
	A	21.29 03.3	0.6		+	-0.7	8.9	9.7		
23	H	21.29 04.6	1.1		+	+1.8	6.4	7.2	3.9	3.2
	Z	21.29 03.7	0.7	+	-	+0.5	1.4	1.0		
	A	22.49 35.6	0.7		+	-0.3	0.6	1.1		
23	H	22.49 36.0	1.0				1.8	2.8	2.9	2.2
	Z	22.49 35.0	0.4	+	+	+0.5	0.4	0.8		
	A	06.05 42.6	0.6	+		+0.8	3.5	4.0		
24	H	06.05 43.6	1.0			+0.9	2.8	3.0	4.4	2.7
	Z	06.05 42.9	0.8	+		+0.2	0.7	0.7		
	A	07.01 08.8	0.6			+0.3	12.6	20.0		
24	H	07.01 10.0	0.8				3.0	3.4	4.1	3.5
	Z	07.01 09.8	0.8	-	+	-	1.3	0.5		
	A	08.45 51.5	0.7		-	+3.5	8.1	6.5		
24	H	08.45 52.4	1.0			-1.0	2.6	2.4	5.0	3.0
	Z	08.45 52.0	0.8			-0.2	0.6	0.6		
	A	09.44 27.6	0.7		-	+0.6	7.9	8.5		
24	H	09.44 28.2	1.2				2.3	3.2	4.2	3.1
	Z	09.44 27.4	0.7			+0.5	1.1	0.8		
	A	13.42 17.3	0.8				1.8	1.2		
24	H	13.42 18.1	0.8			+0.6	2.4	3.2	3.0	2.5
	Z	13.42 17.1	0.5	-	+		0.8	0.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.13 38.8	0.7	+	+		20.0	22.0		
24	H	14.13 39.5	1.1	+	+	+	38.5	30.0	3.6	3.9
	Z	14.13 38.4	0.5	+		+	32.0	31.5		
	A	17.11 42.0	0.5			+1.0	10.8	12.2		
24	H	17.11 42.5	0.9	-	-		6.4	8.0	3.4	3.0
	Z	17.11 42.4	0.7	+		-0.1	0.4	0.6		
	A	00.24 24.2	1.0		-	+1.2	2.8	2.2		
25	H	00.24 24.2	0.8			+1.0	4.2	5.6	5.4	2.6
	Z	00.24 24.7	1.0				0.2	0.2		
	A	01.07 31.7	0.7	+	-	+	4.7	6.6		
25	H	01.07 32.4	0.9	-		+0.2	4.0	6.1	3.9	3.5
	Z	01.07 31.6	0.6	-			5.1	5.2		
	A	01.16 24.1	0.6			+1.0	2.4	3.5		
25	H	01.16 24.8	1.0	-	-	+0.2	4.4	7.9	3.8	3.7
	Z	01.16 24.1	0.6	+	-		3.2	4.4		
	A	01.34 25.6	0.6	-		+0.9	2.8	2.6		
25	H	01.34 26.5	1.0			-0.5	2.0	3.8	2.8	2.2
	Z	01.34 25.1	0.4				2.0	1.3		
	A	03.43 57.0	0.8	-	-		9.2	9.4		
25	H	03.43	0.8	+	-	+1.1	11.1	16.4	3.2	3.9
	Z	03.43 56.9	0.6		-		7.8	11.2		
	A	01.41 26.3	0.7			+				
26	H	01.41 26.7	0.7				2.6	3.1	1.9	1.1
	Z	01.41 26.3	0.5			-	0.2	0.2		
	A	04.24 10.3	0.5							
26	H	04.24 11.0	0.8			+	2.2	3.3	3.5	1.1
	Z	04.24 11.0	0.7				0.1	0.1		
	A	09.54 21.9	1.0			-				
26	H	09,54 22.7	1.0			+	5.1	5.4	2.2	3.0
	Z	09.54 22.0	0.5	-		-	2.2	3.8		
	A	16.30 20.3	0.9		+	+	5.2	4.4		
26	H	16.30 23.6	1.0	+	+	+	3.5	8.3	5.3	3.4
	Z	16.30 22.9	0.8	-		-	1.5	3.0		
	A	21.51 16.9	0.8	+	+		6.8	4.9		
26	H	21.51 17.7	1.1	+	+	+	5.8	6.1	4.5	3.7
	Z	21.51 17.0	0.6			-	5.0	8.6		
	A	02.43 22.4	0.7	+	+	+	10.2	7.7		
27	H	02.43 22.8	1.0		+	+	5.2	8.2	5.0	3.2
	Z	02.43 22.9	0.8		+	+	1.0	0.6		
	A	02.46 52.0	0.6	-			9.3	9.4		
27	H	02.46 52.6	0.9			+	5.3	6.4	4.4	3.0
	Z	02.46 52.5	0.8	-	+	+	0.4	0.6		
	A	04.28 43.5	0.8				5.8	4.4		
27	H	04.28 43.9	0.9			+	1.8	4.0	5.3	2.9
	Z	04.28 43.9	0.9		+	-	0.4	0.3		
	A	04.45 51.0	0.7		+	+	14.5	20.4		
27	H	04.45 51.3	1.0	+	+	i+	9.2	12.5	5.3	3.9
	Z	04.45 51.5	0.9			-	1.6	3.2		
	A	04.45 58.3	0.8		+	-	21.7	15.9		
27	H	04.45 58.8	0.9				8.3	8.4	5.3	3.8
	Z	04.45 58.8	0.8	-	+	-	1.9	1.3		
	A	04.46 47.8	0.8	+	+	-	13.9	13.4		
27	H	04.46 48.4	0.9		+	+	3.3	3.8	5.2	3.4
	Z	04.46	0.9	+	-	-	0.8	0.7		
	A	07.03 43.7	0.6			+	2.1	1.7		
27	H	07.03 44.3	0.8			+	2.4	3.4	3.9	2.2
	Z	07.02 44.1	0.7				0.2	0.2		
	A	07.19 56.9	0.8	+	+		15.3	12.0		
27	H	07.19 57.5	1.0		+	+	5.8	5.3	5.8	3.3
	Z	07.19 57.4	0.9	-		-	0.5	0.3		
	A	07.21 02.7	1.0	+	+	+	18.4	23.5		
27	H	07.21 02.7	1.0				5.7	5.9	6.3	4.1
	Z	07.21 03.3	0.9	-	+	-	2.3	4.1		
	A	08.25 20.7	0.7		-	-	2.4	2.4		
27	H	08.25 20.7	0.8	-	-	-	4.0	3.6	2.6	2.8
	Z	08.25 20.7	0.5	-		-	2.8	1.8		
	A	12.05 37.0	0.8	+	-	+	20.7	20.6		
27	H	12.05 37.6	1.1				3.8	6.0	5.0	4.3
	Z	12.05 37.1	0.7			-	6.6	10.1		
	A	14.36 23.7	0.8	+		+	8.5	10.7		
27	H	14.36 24.4	1.1			-	2.2	3.2	6.0	3.4
	Z	14.36 24.3	1.0	-	+	-	0.7	1.0		
	A	17.27 29.5	1.0	-	+	+	2.0	3.3		
27	H	17.27 28.9	0.6			+	5.1	8.4	3.4	3.0
	Z	17.27 29.4	0.9				0.8	0.4		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Nov. 1965 - Dec. 1965

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	19.19 58.0	0.9	+	+	-	5.2	7.2		
27	H	19.19 58.4	1.2	-	-	-	5.5	6.3	2.9	3.7
	Z	19.19 57.4	0.5			+	7.6	10.1		
	A	22.30 37.1	0.8	-		+	2.6	2.4		
27	H	22.30 37.1	0.8	-			6.0	6.8	2.9	2.9
	Z	22.30 37.0	0.5	-	+	-	1.9	1.3		
	A	23.43 14.6	0.8		+	+		1.1		
27	H	23.43 14.8	0.9	+			3.9	3.0	3.2	2.7
	Z	23.43 14.7	0.5			-	2.0	2.4		
	A	00.40 31.5	0.6	-			1.2	1.3		
28	H	00.40 30.5	0.7	-	+	-	3.0	4.4	2.9	2.0
	Z	00.40 31.6	0.5			-	0.2	0.3		
	A	07.20 49.0	0.5	-	+		0.8	0.4		
28	H	07.20 49.1	1.0	+	-	+	2.1	2.9	3.4	2.3
	Z	07.20 48.4	0.7			-	1.0	1.1		
	A	08.57	0.8		+	-	2.3	2.3		
28	H	08.57 52.3	1.1			-	3.8	3.9	3.4	3.0
	Z	08.57 52.4	0.5			+	2.7	3.5		
	A	15.56 12.2	0.9			+	1.6	1.4		
28	H	15.56 12.4	0.8	-		-	3.3	4.0	2.6	2.9
	Z	15.56 12.3	0.5	-		-	2.7	1.0		
	A	22.27 55.1	0.6	-		+	10.2	7.1		
28	H	22.27 55.7	0.9		+	+	2.8	3.9	4.0	3.0
	Z	22.27 56.1	0.8			+	0.3	0.5		
	A	22.30 15.5	0.6	-			1.7	1.6		
28	H	22.30 15.8	0.8	+		-	4.0	4.7	3.2	2.5
	Z	22.30 15.6	0.6		+	-	0.8	0.5		
	A	01.31 13.3	1.0	-	+	-	4.6	2.8		
29	H	01.31 14.1	1.2	-	-		4.0	7.2	4.8	3.5
	Z	01.31 13.3	0.7		-	+	1.4	4.5		
	A	02.50 54.2	0.5		-	+	4.8	4.6		
29	H	02.50 54.0	0.9		+	-	2.0	2.7	2.7	2.6
	Z	02.50 54.4	0.5	-	+	-	0.7	0.8		
	A	03.16 10.5	0.5				4.2	2.9		
29	H	03.16 11.3	0.8	+	+		2.5	3.5	3.0	2.6
	Z	03.16 10.8	0.6	-		-	0.4	0.6		
	A	12.26 07.4	0.8			+	2.2	3.4		
29	H	12.26 08.3	1.1	-	-	-	2.0	2.6	4.2	3.3
	Z	12.26 07.2	0.6	-		+	3.3	5.0		
	A	13.00 30.8	0.9		+	+	11.4	12.8		
29	H	13.00 32.5	1.3	+		-	2.9	4.0	6.8	4.0
	Z	13.00 31.8	1.1	-	+	-	1.4	4.4		
	A	13.57 31.0	1.0	-	+	-	8.6	7.8		
29	H	13.57 30.7	1.2	-	-	-	11.7	18.2	4.8	4.0
	Z	13.57 31.3	0.7	-		+	7.2	11.4		
	A	16.42 42.3	1.1	-			3.0	3.8		
29	H	16.42 42.5	0.9			+	6.1	6.0	6.0	3.3
	Z	16.42	1.0				1.4	0.4		
	A	16.58 55.4	1.3	-		+	1.1	1.4		
29	H	16.58 55.7	0.9	+		+	2.8	3.7	6.1	3.0
	Z	16.58 56.2	1.2				0.8	0.4		
	A	20.26 13.2	0.6	+	+	-	4.6	2.8		
29	H	20.26 14.9	1.0				2.5	3.6	4.1	2.7
	Z	20.26 14.4	0.7	+	-	-	0.4	0.6		
	A	21.59 11.5	1.0				12.2	12.4		
29	H	21.59 11.8	0.6				11.2	4.0	4.5	3.7
	Z	21.59 12.7	1.2	-			1.1	0.9		
	A	22.00 08.6	0.9			+	2.4	3.4		
29	H	22.00 08.3	0.7	-	-		6.8	5.2	4.7	2.7
	Z	22.00 09.0	1.1				0.2	0.1		
	A	02.14 07.7	0.9	+	+	-	0.8	0.9		
30	H	02.14 08.8	1.1	-		+	1.8	2.8	3.6	2.8
	Z	02.14 08.1	0.5			+	1.0	3.5		
	A	02.22 25.9	0.8	+	+		25.6	13.8		
30	H	02.22 26.9	1.1	+	+	+	2.8	3.3	5.5	3.6
	Z	02.22 26.9	0.9			-	0.9	0.5		
	A	05.05 57.0	0.6			+	9.2	9.2		
30	H	05.05 58.4	0.9			+	6.4	8.1	4.3	3.1
	Z	05.05	0.8			-	0.9	0.6		
	A	05.10 46.3	0.6		-	+	10.0	12.0		
30	H	05.10 47.5	1.0	+	+	+	9.9	8.6	4.5	3.4
	Z	05.10 47.5	0.8	-		-	0.6	1.6		
	A	05.15 44.2	0.6	+		+	17.3	9.2		
30	H	05.15 45.4	0.9	-			5.4	3.7	3.9	3.3
	Z	05.15 45.3	0.8	-	+	-	0.5	0.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	05.54 13.0	0.6			-	10.6	10.0		
30	H	05.54 14.2	0.9	+	+		16.9	19.3	4.3	
	Z	05.54 14.3	0.8			-	1.6	2.4		
	A	06.28 04.1	0.6			+	1.5	1.3		
30	H	06.28 05.3	0.9	-		+	2.2	3.1	3.4	
	Z	06.28 05.1	0.6				0.2	0.4		
	A	18.29 11.7	0.8			-	1.4	1.6		
30	H	18.29 12.6	1.1	-		+	5.2	3.0	3.0	
	Z	18.29 12.1	0.4			+	1.2	6.4		
	A	18.35 17.1	1.0	+	+	-	5.3	3.1		
30	H	18.35 18.0	1.0			+	3.8	3.3	2.8	
	Z	18.35 17.3	0.5			+	2.0	5.1		
	A	20.55 24.5	0.6			+	1.8	1.6		
30	H	20.55 25.1	0.7				2.5	3.1	2.4	
	Z	20.55 25.3	0.5				0.2	0.3		
	A	23.58 45.8	0.7			+	2.0	1.5		
30	H	23.58 46.2	0.8	-	-	-	3.0	3.4	2.5	
	Z	23.58 46.2	0.4			-	1.2	0.9		

1965 December

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.17 23.5	0.7	+	+	+	11.8	9.5		
01	H	02.17 24.0	0.9			+	4.0	2.8	4.7	
	Z	02.17 24.0	0.8	-	+	-	0.9	0.4		
	A	09.13 39.9	0.7	+		+	3.6	7.8		
01	H	09.13 39.9	0.7	+	+	+	4.0	4.6	3.5	
	Z	09.13 39.7	0.7	-	-	-	0.6	1.2		
	A	10.58 35.6	0.6	-		-	4.1	4.5		
01	H	10.58 36.1	0.9	+	+		3.3	2.4	4.2	
	Z	10.58 35.7	0.8	-	+		1.0	2.4		
	A	11.16 58.9	0.6	-	+		35.5	22.7		
01	H	11.16 59.4	1.0	+		+	10.4	14.7	4.4	
	Z	11.16 59.5			+	-	+	3.8	12.0	
	A	11.58 53.4	0.6				1.0	0.7		
01	H	11.58 53.5	0.8				1.6	4.0	3.4	
	Z	11.58 53.7	0.7				0.4			
	A	12.14 00.1	0.5				2.7	1.6		
01	H	12.14	1.0	+	+	+	4.0	4.8	3.5	
	Z	12.14	0.7		+	-	0.5	1.8		
	A	21.25 20.7	1.1	-	-		2.8	7.5		
01	H	21.25 20.6	0.9				6.5	7.8	4.0	
	Z	21.25 20.8	0.9			-	1.0	1.2		
	A	21.54 42.4	0.8	-	+	-	25.7	12.3		
01	H	21.54 42.9	1.1	+	+	+	23.0	29.6	4.4	
	Z	21.54 42.1	0.6	+				31.9		
	A	23.45 14.5	0.8		+	+	3.7	3.2		
01	H	23.45 15.2	0.9	+			7.0	7.2	3.4	
	Z	23.45 14.4	0.5			-		4.4		
	A	00.49 31.0	0.6	-		+	0.7	1.2		
02	H	00.49 31.1	0.6				2.0	2.8	2.8	
	Z	00.49 31.1	0.7			-		0.2		
	A	00.50 01.2	0.6	-	+		1.6	3.8		
02	H	00.50 00.7	0.5				1.0	3.0	1.2	
	Z	00.50 01.7	0.5			-				
	A	03.37 00.5	1.3	+	+	+	3.9	2.5		
02	H	03.36 59.9	1.2				2.7	3.4	8.5	
	Z	03.37 00.9	1.4			-		0.4		
	A	08.12 48.1	0.8	+	-	+	9.0	4.0		
02	H	08.12 49.4	0.6		+	+	6.0	7.0	3.6	
	Z	08.12 48.6	0.8		-	+		1.2		
	A	08.48 16.6	1.0		-		3.0	1.9		
02	H	08.48 17.4	1.2			+	2.7	3.4	4.4	
	Z	08.48 16.5	0.6							
	A	09.16 41.8	0.8	+		+	5.6	7.2		
02	H	09.16 42.4	0.9			+	2.9	5.4	5.4	
	Z	09.16 42.0	0.9		+			0.5		
	A	09.43 07.8	0.8	-	+		22.5	24.9		
02	H	09.43 06.8	0.9				4.0	6.9	5.4	
	Z	09.43 06.7	1.0		+	-		1.0		
	A	14.55 04.1	0.9			-	2.3	1.7		
02	H	14.55 04.1	1.2			+	5.0	4.8	3.4	
	Z	14.55 03.5	0.5			+	1.2	0.5		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Dec. 1965
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	15.28 04.2	0.6		+	+	2.2	1.7		
02	H	15.28 05.1	0.9	-		+	2.2	4.0	3.3	2.2
	Z	15.28 04.4	0.5			-	0.5	0.5		
	A	16.25 36.4	0.7				4.5	2.3		
02	H	16.25 36.8	1.0		-	+	4.0	6.6	4.1	3.1
	Z	16.25 36.0	0.6	-	+	-	0.9	2.5		
	A	23.37	0.7		+	-	1.1	1.3		
02	H	23.37 58.6	0.8			-	3.5	4.0	3.1	2.4
	Z	23.37 58.3	0.5	-		-	1.0	0.3		
	A	00.17 08.0	1.0		+		3.7	4.0		
03	H	00.17 08.7	1.2	-	+	+	2.0	3.2	6.3	3.3
	Z	00.17 08.4	0.9			-	1.7	1.5		
	A	01.22 17.7	0.8			+	3.8	3.1		
03	H	01.22 18.5	1.1				2.6	4.4	5.1	2.9
	Z	01.22 17.9	0.8		-	+	0.8	0.3		
	A	06.35 45.0	0.8			+	1.8	1.5		
03	H	06.35 45.0	0.7				3.4	4.3	1.8	2.0
	Z	06.35 44.6	0.4	+			0.2	0.2		
	A	07.22 31.8	0.7			+	2.0	1.7		
03	H	07.22 32.1	0.9			+	2.9	4.2	2.7	2.8
	Z	07.22 31.4	0.4	-	+	-	2.2	1.2		
	A	10.25 27.5	0.7				15.0	11.3		
03	H	10.25 27.4	0.7	+	+	+	3.3	5.6	3.6	2.8
	Z	10.25 27.5	0.7	-	+	-	0.9	1.5		
	A	10.57	0.6				12.4	6.5		
03	H	10.57 55.4	1.0	+	+	+	13.5	21.5	4.5	3.8
	Z	10.57 55.2	0.9	-	+	-		7.3		
	A	10.59 14.8	0.8		+		5.5	4.2		
03	H	10.59 15.5	1.0	+	+	+	5.7	8.2	5.3	3.3
	Z	10.59 15.2	0.8	-	+	-	2.5	1.2		
	A	17.03 27.2	0.9			-	2.7	3.6		
03	H	17.03 27.8	1.2	-	+		4.9	6.0	3.6	3.4
	Z	17.03 26.8	0.5			+		5.6		
	A	21.30 06.7	0.7			+	63.8	18.0		
03	H	21.30 07.5	1.0		-	+	8.6	8.8	5.0	4.3
	Z	21.30 07.1	0.8	-	+	-	5.0	1.5		
	A	00.59 42.6	0.6	+		-	9.9	8.9		
04	H	00.59 42.5	1.0		+	+	5.2	6.6	4.4	3.2
	Z	00.59 43.1	1.0		+	-	0.8	1.0		
	A	05.21 25.2	0.6			+	0.8	1.4		
04	H	05.21 25.6	0.7	-		-	4.7	4.6	2.9	2.4
	Z	05.21 25.4	0.5			-	0.5	1.0		
	A	07.39 05.6	0.2	+	+		1.0	1.3		
04	H	07.39 04.6	0.7			+	4.0	4.0	0.6	1.8
	Z	07.39	0.6				0.4			
	A	11.55 30.4	0.7				1.4	1.5		
04	H	11.55 30.9	1.0	+		+	3.6	4.5	2.9	2.6
	Z	11.55 30.4	0.4			+	1.0	2.0		
	A	12.43 34.5	0.8			-	11.0	3.6		
04	H	12.43 34.5	1.0		+	+	3.0	7.2	5.5	3.2
	Z	12.43 34.7	1.0	-	-	-	0.5	0.5		
	A	13.40 24.9	0.9	-		+	2.2	2.9		
04	H	13.40 24.6	0.7			-	6.9	9.0	3.7	2.8
	Z	13.40 25.2	0.8			-	0.8	0.2		
	A	16.31 21.9	0.6			+	8.1	9.8		
04	H	16.31 22.7	1.1	+	+	-	7.1	11.0	3.4	3.2
	Z	16.31 22.4	0.6		-		1.5	1.5		
	A	19.47 52.4	0.5	+		+	9.7	6.7		
04	H	19.47 51.9	0.9	+	+	+	7.0	5.8	3.6	2.9
	Z	19.47 52.2	0.7			+	0.5	0.5		
	A	20.20	0.7	+			7.0	5.5		
04	H	20.20 39.7	1.0			+	5.6	9.3	3.5	3.3
	Z	20.20 39.3	0.5			-	2.6	3.5		
	A	21.16 34.0	0.6			+	8.3	10.7		
04	H	21.16 34.4	1.0			+	4.6	6.0	4.4	3.2
	Z	21.16 34.5	0.9			-	0.9	0.9		
	A	23.45 59.2	0.8	+		+	3.8	8.1		
04	H	23.45 59.9	1.0	-		+	3.2	2.9	5.2	3.6
	Z	23.45 59.6	0.8	-	+	-	4.5	2.3		
	A	04.37 24.5	1.1		+	+	1.1	1.7		
05	H	04.37 24.3	0.8				8.9	10.2	6.1	3.0
	Z	04.37 25.1	1.1			+	0.4	0.25		
	A	04.58 14.0	1.4				1.5	1.2		
05	H	04.58 14.0	1.1				1.8	3.3	8.4	2.9
	Z	04.58 14.6	1.4			-	0.4	0.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	05.20	0.6	+			3.6	2.2		
05	H	05.20 36.7	0.9	-		+	2.5	4.0	3.8	2.8
	Z	05.20 36.4	0.6			-	1.1	0.8		
	A	07.37	0.8		+	+	3.3	3.3		
05	H	07.37	0.9			+	2.4	3.1	4.2	2.9
	Z	07.37	0.6			-	1.0	1.2		
	A	07.57	0.7			+	3.3	2.0		
05	H	07.57 12.5	0.9				2.6	3.3	4.3	2.7
	Z	07.57 12.2	0.7			-	0.7	0.5		
	A	08.31 03.3	0.8	+	+	-	2.4	2.4		
05	H	08.31 03.7	1.0	+	+	+	4.2	6.6	3.7	3.3
	Z	08.31 03.2	0.5	+	+	+	5.0	7.5		
	A	08.31 19.2	0.9			+	1.3	2.5		
05	H	08.31 19.1	1.0	+			3.7	2.5	3.6	3.0
	Z	08.31 18.5	0.5	+	+	+	1.3	2.4		
	A	08.53 04.9	0.8	+			1.8	2.0		
05	H	08.53 05.4	0.9				3.0	4.1	4.4	2.7
	Z	08.53 05.1	0.7			-	0.9	0.7		
	A	09.15 34.0	0.8	-	+	-	13.0	10.6		
05	H	09.15 34.7	1.3			+	16.2	16.5	4.2	4.1
	Z	09.15 34.4	0.7		+	+	8.0	16.2		
	A	13.01 28.2	0.8		+		1.0	0.8		
05	H	13.01 28.3	0.8			-	3.8	2.7	2.7	2.7
	Z	13.01 28.0	0.5			-	2.3	1.0		
	A	13.25 44.4	0.7	-		+	0.8	1.6		
05	H	13.25 44.8	1.0		+	+	2.6	3.1	4.2	2.5
	Z	13.25 44.8	0.6			-	0.5	0.6		
	A	13.48	0.8	+		+	1.0	1.7		
05	H	13.48 50.5	1.0			+	1.7	2.7	3.3	2.7
	Z	13.48 50.2	0.6	+		-	1.0			
	A	13.49 27.4	0.8	+	+	+	4.1	5.0		
05	H	13.49 27.6	1.0	+	+	+	5.0	10.5	4.7	3.4
	Z	13.49 27.7	0.7	-	+	-	4.6			
	A	13.56	0.8			+	1.0	1.3		
05	H	13.56 17.5	0.9			+	2.2	2.7	3.9	2.4
	Z	13.56 17.1	0.6			-	0.6	0.6		
	A	14.02	1.1	+		-	3.3	2.1		
05	H	14.02 13.5	1.2	+		+	3.2	4.1	3.5	3.4
	Z	14.02 13.0	0.6				4.0	3.3		
	A	15.49	0.7	+		+	2.2	3.5		
05	H	15.49 41.7	1.1	+	+	+	4.6	7.0	4.8	3.3
	Z	15.49 41.3	0.9	+		-	2.0	3.6		
	A	19.11	1.0		+	-	2.3	2.1		
05	H	19.11 29.4	1.3	-		-	4.2	3.3	3.1	2.9
	Z	19.11 29.0	0.5				1.0	1.7		
	A	04.03 26.6	0.5		+		8.6	12.2		
06	H	04.03 27.3	1.0		+	+	6.6	5.3	3.7	3.5
	Z	04.03 27.2	0.8	-	+	-	3.0	3.5		
	A	11.52	0.8	+		+	8.4	10.3		
06	H	11.52 17.5	0.9	-		+	2.0	4.2	5.0	3.1
	Z	11.52 17.5	0.8	-	+	-	0.5	0.2		
	A	15.09	0.7	+		+	2.4	2.7		
06	H	15.09 17.4	0.9			+	2.8	3.2	4.4	2.6
	Z	15.09 17.4	0.8				0.5	0.2		
	A	15.13 49.2	0.4			+	3.7	3.8		
06	H	15.13 50.2	0.7			+	2.6	4.4	1.9	2.5
	Z	15.13	0.5	-	+	-	1.0	0.9		
	A	22.17 44.0	0.8	-		+	17.4	17.2		
06	H	22.17 44.4	0.9	+	+		6.7	8.3	4.6	3.6
	Z	22.17	0.7			+	1.4	1.7		
	A	23.16 42.2	0.8	+	+	+	6.6	8.4		
06	H	23.16	1.0				1.3	2.5	5.0	3.1
	Z	23.16 41.7	0.8	-	+	-	0.7	0.5		
	A	23.20 35.6	0.6			-	3.5	5.1		
06	H	23.20 36.2	0.8		+	+	6.8	8.4	3.5	2.4
	Z	23.20 36.0	0.7	+			0.2	0.2		
	A	02.02 51.6	0.7	+	+	-	3.8	4.5		
07	H	02.02 52.0	1.2	+		-	2.0	3.0	1.2	3.1
	Z	02.02 51.1	0.3	-	+	+	3.6	5.0		
	A	02.02 56.8	0.8	-	+	-	4.2	19.1		
07	H	02.02 57.6	1.1	+	+	-	4.4	7.0	2.5	3.6
	Z	02.02 56.6	0.4			-	3.5	4.0		
	A	02.39 57.8	0.7	+			12.5	4.8		
07	H	02.39 58.2	0.9		+	+	5.4	6.1	4.5	3.4
	Z	02.39 58.2	0.8	-			1.5	1.5		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Dec. 1965

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
07	A	05.03 20.9	0.7	+		-	1.0	1.6		
	H	05.03 21.5	0.9			+	2.5	3.2	4.3	2.4
	Z	05.03 21.4	0.7				0.5	0.5		
07	A	06.05 00.9	0.2				0.5	0.5		
	H	06.05 00.7	0.9			+	1.7	3.2	1.4	1.6
	Z	06.05 00.1	0.6				0.5	0.5		
07	A	08.22	1.0	+		-	1.5	1.1		
	H	08.22 45.7	1.1				3.4	3.3	3.0	3.0
	Z	08.22 44.8	0.5			+	2.5	4.0		
07	A	17.12 26.8	0.6	-		+	7.1	5.1		
	H	17.12 27.5	0.9	-			7.5	10.2	3.3	3.4
	Z	17.12 26.7	0.5		-	-	5.3	4.2		
07	A	17.12 44.2	0.8			+	6.6	3.3		
	H	17.12 44.9	0.9				4.4	7.0	4.1	3.4
	Z	17.12 44.1	0.6		+	-	4.0	2.3		
07	A	17.29 29.4	0.7			+	5.7	4.8		
	H	17.29 29.5	0.9	+	+		3.1	4.1	4.6	2.8
	Z	17.29	0.9				0.2	0.4		
08	A	02.25 54.4	0.7	+	+	+	14.9	21.8		
	H	02.25 55.1	0.9			+	4.4	5.1	4.2	3.4
	Z	02.25 54.7	0.7	-	+	-	0.9	0.7		
08	A	03.41 21.7	0.6	+	+	+	2.2	2.2		
	H	03.41 22.6	1.0	+	+	+	4.2	4.7	4.2	2.8
	Z	03.41 22.0	0.7			+	1.0	1.5		
08	A	06.54 05.9	0.8	+	+	-	29.5	11.9		
	H	06.54 06.6	1.3	+	+	+	17.0	22.7	4.9	4.3
	Z	06.54 05.6	0.8			+		10.5		
08	A	06.55 10.1	0.8			-	1.8	2.2		
	H	06.55 10.8	1.0				2.1	2.9	4.3	2.5
	Z	06.55 09.7	0.6			-	0.5			
08	A	06.57 56.6	0.8	-	+	-	12.6	7.9		
	H	06.57 56.8	1.3	+		+	11.3	14.0	3.6	3.8
	Z	06.57 56.1	0.6	-		+	6.5	8.5		
08	A	07.16 37.5	1.2				1.4	1.9		
	H	07.16 37.4	0.8		+		7.7	12.2	4.5	2.6
	Z	07.16 37.4	1.0					0.2		
08	A	08.15 21.6	0.8	+		+	1.4	2.4		
	H	08.15 21.4	0.8	-	-	-	6.2	4.7	0.9	3.2
	Z	08.15 20.8	0.3		-	+	9.7	10.2		
08	A	13.57 06.0	0.5	+	+	+	3.3	9.5		
	H	13.57 06.2	0.6	+	+		4.0	5.7	2.7	2.9
	Z	13.57 06.2	0.8	-		-	0.3	0.5		
08	A	14.08 59.7	0.8		-	+	2.5	2.9		
	H	14.08 58.8	0.8	-	-	-	5.8	3.5	1.8	3.2
	Z	14.08 59.5	0.4			-		6.5		
08	A	15.16 01.2	0.7	+		+	17.3	8.6		
	H	15.16 01.9	1.0				4.0	3.8	5.2	3.4
	Z	15.16 01.8	0.9	-	+	-	0.8	0.7		
08	A	18.24 11.0	0.8	-	+	-	11.4	8.5		
	H	18.24 11.3	1.0	+	+	+	3.4	6.0	5.3	3.2
	Z	18.24 11.5	0.9			-	0.5	0.6		
09	A	05.09 06.5	0.9			+	1.9	1.1		
	H	05.09 06.0	0.5				1.7	2.0	3.7	2.3
	Z	05.09 06.8	1.0				0.1	0.1		
09	A	05.54 06.6	0.6	+		-	2.0	1.7		
	H	05.54 07.6	1.0				2.1	2.8	3.8	2.2
	Z	05.54 06.9	0.7			+	0.1	0.3		
09	A	10.42 12.4	0.7		+	+	13.3	12.3		
	H	10.42 12.3	0.9		+		3.1	5.6	5.0	3.4
	Z	10.42 12.9	0.9			-	1.0	1.0		
09	A	20.33 13.3	0.9	+		+	0.7	1.0		
	H	20.33 14.2	0.8	+		-	5.0	3.6	1.2	3.0
	Z	20.33 13.9	0.5	-	+	+	5.3			
09	A	20.34 13.2	1.0		+	+	7.4	14.8		
	H	20.34 14.7	1.1				2.9	4.8	6.7	3.7
	Z	20.34 14.3	1.0				1.5			
09	A	21.12 59.3	0.7				0.8	1.4		
	H	21.12 59.9	1.1				4.3	5.3	3.5	2.3
	Z	21.12 59.5	0.5				0.3	0.6		
09	A	23.10 49.6	0.6			-	2.2	2.8		
	H	23.10 50.6	0.9	+			3.4	4.8	3.6	2.4
	Z	23.10 50.6	0.6				0.2	0.5		
09	A	23.11 56.0	0.7	-	+	+	18.0	28.0		
	H	23.11 56.7	1.0	+	-	+	14.0	17.0	4.2	4.3
	Z	23.11 56.3	0.6	+	-	+	13.0	14.2		
10	A	08.27 51.2	0.6			-	14.5	18.5		
	H	08.27 52.1	1.1	-	+	+	10.2	16.2	4.5	
	Z	08.27 52.9	0.9	+		-	7.0	1.5		
10	A	23.37 44.8	0.9	+	+		0.7	0.6		
	H	23.37 44.6	1.1	-		-	4.8	5.1	4.5	
	Z	23.37 44.4	0.6				0.4	1.5		
11	A	06.07 14.5	0.7				17.0	15.6		
	H	06.07 15.0	1.0	-		+	26.0	25.5	3.2	
	Z	06.07 14.4	0.5	+	-	-	21.0	31.0		
11	A	06.12 17.9	0.8	+		-	5.6	3.5		
	H	06.12 18.6	0.9				7.3	9.0	3.0	
	Z	06.12 18.1	0.6				3.5	7.2		
11	A	06.13 06.1	0.8	-		+	1.6	2.1		
	H	06.13 06.4	1.0			-	11.1	10.0	3.4	
	Z	06.13 05.8	0.5			+	3.2	7.2		
11	A	06.33 07.3	0.8	+	+	+	30.2	6.0		
	H	06.33 07.6	1.1			+	4.7	9.4	4.4	
	Z	06.33 07.1	0.6			-	4.2	7.1		
11	A	18.29 02.2	0.6		-	+	4.4	4.7		
	H	18.29 02.7	0.9	-		+	6.0	7.3	2.9	
	Z	18.29 02.1	0.4	-	+	-	3.0	11.1		
11	A	19.47 21.3	0.7	+		+	0.7	0.8		
	H	19.47 22.1	0.7	-	+	-	4.2	5.1	2.7	
	Z	19.47 21.9	0.5			-	0.6	0.4		
11	A	21.58 08.3	0.8		-		3.8	2.1		
	H	21.58 08.5	0.8				7.6	5.6	3.0	
	Z	21.58 08.2	0.5		-	-	4.3	7.7		
11	A	22.02 49.8	0.6	+		+	1.0	1.0		
	H	22.02 50.4	0.5	-		-	2.0	3.4	1.7	
	Z	22.02 50.1	0.6			-	0.6	0.5		
12	A	02.06 56.0	0.6		+		9.0	8.3		
	H	02.06 56.4	0.6	+	+	+	3.1	4.5	3.1	
	Z	02.06 56.8	0.9			+	0.3	0.7		
12	A	03.46 50.1	1.2	+		+	1.8	2.4		
	H	03.46 50.7	0.9			+	4.7	4.0	5.8	
	Z	03.46 51.3	1.1			+	0.5	0.6		
12	A	06.18 08.1	0.8	+		-	34.9	51.9		
	H	06.18 09.1	1.1	+	+	-	11.6	12.2	4.8	
	Z	06.18 08.3	0.7	+	-	+	8.2	8.8		
12	A	08.38 56.4	0.8	+	+	-	2.6	1.8		
	H	08.38 57.1	1.2	-		+	2.9	3.3	4.4	
	Z	08.38 56.7	0.6				0.8			
12	A	11.17 04.3	0.8	+	+	-	7.7	9.1		
	H	11.17 05.6	1.0		+	+	4.2	5.2	5.7	
	Z	11.17	0.9			-	0.4	0.8		
12	A	12.50 31.5	0.7				1.4	2.5		
	H	12.50 31.6	0.7			-	4.2	7.6	2.7	
	Z	12.50 32.0	1.1			+	0.3			
12	A	12.54 42.1	0.9	-		+	0.5	0.9		
	H	12.54 42.6	0.9				3.9	8.4	5.7	
	Z	12.54 43.1	1.1				0.2			
13	A	13.01 06.6	0.5		-	+	2.0	1.5		
	H	13.01 07.5	0.8				2.6	3.0	3.4	
	Z	13.01	0.7			-	0.5	1.0		
13	A	17.40 11.5	0.7		+	-	16.5	12.0		
	H	17.40 12.3	0.9		+	+	2.8	3.4	5.1	
	Z	17.40 12.5	0.9			-	0.6	0.8		
13	A	04.19 10.9	0.9		-		2.0	1.4		
	H	04.19 11.7	0.8				2.0	2.4	3.5	
	Z	04.19 11.2	0.6	+		-	0.5	0.9		
13	A	06.25 32.7	0.8	+	+	+	6.9	4.3		
	H	06.25 33.9	1.1	+	+	+	2.8	5.1	4.4	
	Z	06.25 33.3	0.6			-	3.8	4.9		
13	A	08.29 22.4	1.5		-	+	1.5	1.7		
	H	08.29 21.7	0.9			+	4.2	4.2	3.6	
	Z	08.29 22.6	1.3				0.6	0.3		
13	A	10.56 00.4	1.0	+	+		3.0	2.2		
	H	10.56 00.6	1.2					5.1	4.8	
	Z	10.56 00.9	0.7			+	0.7	3.3		
13	A	14.28 04.6	0.6		-		1.0	1.2		
	H	14.28 05.7	0.9		-	+	4.0	5.4	3.8	
	Z	14.28 05.6	0.7				0.3	0.3		
13	A	17.18	0.8	+		-	5.0	5.6		
	H	17.18 28.7	1.1			-	2.4	3.6	5.5	
	Z	17.18 28.3	0.9			-	0.6	0.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Dec. 1965
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	17.55 27.7	0.5	-	+	+	0.9	1.2		
13	H	17.55 28.1	0.9	-			2.5	3.5	2.5	2.4
	Z	17.55 28.6	0.5		+	-	0.5	1.6		
	A	00.07 16.1	0.8	+	-	+	11.1	10.0		
14	H	00.07 17.9	1.0	+	+	+	10.7	17.4	5.9	3.8
	Z	00.07 17.8	0.8	-	+	-	6.1	3.4		
	A	00.02 11.8	0.6				7.8	6.0		
14	H	00.02 12.4	0.9	-		+	5.2	4.0	4.1	3.4
	Z	00.02 12.5	0.8			-	0.7	3.0		
	A	00.41 36.5	0.5	+		+	1.0	1.1		
14	H	00.41 36.1	0.8			+	7.3	3.6	2.2	2.4
	Z	00.41 36.7	0.4				0.4	0.3		
	A	02.22 26.9	0.5	+		+	12.0	6.7		
14	H	02.22 27.7	1.0	-	+	+	2.4	3.2	3.3	3.1
	Z	02.22 27.4	0.6		-	+	1.2	1.2		
	A	05.21 16.8	0.5	-		-	4.6	2.4		
14	H	05.21 17.5	0.9			+	3.0	4.0	3.5	2.6
	Z	05.21 17.2	0.7			-	0.4	0.6		
	A	06.09 36.4	0.9	+		+	27.2	27.5		
14	H	06.09 37.2	1.1		+		6.7	6.5	4.9	4.0
	Z	06.09 36.9	0.7	-		-	4.5	4.7		
	A	07.00 01.7	0.7		+			11.0		
14	H	07.00 02.3	0.9		+	+	6.5	5.0	4.7	3.6
	Z	07.00 02.4	0.8		+	-	0.6	3.1		
	A	08.09 31.7	0.7		+	+		4.9		
14	H	08.09 32.3	1.2	+			6.2	7.9	2.5	3.4
	Z	08.09 31.3	0.5			-	5.4	7.4		
	A	08.58 49.4	0.7			+		5.4		
14	H	08.58 49.8	0.7				2.1	3.4	3.7	3.1
	Z	08.58 49.7	0.7		+	+	0.8	1.4		
	A	13.04 41.0	0.8			+	1.3	0.8		
14	H	13.04 41.0	0.8	-	-	-	2.5	2.7	1.8	2.5
	Z	13.04 40.7	0.4		+	-	1.3	1.1		
	A	15.01 08.8	0.7	-	+	+	3.6	3.4		
14	H	15.01 09.4	0.9			+	2.6	4.2	4.2	3.1
	Z	15.01 08.6	0.7		+	-	1.2	2.3		
	A	16.22 54.0	0.7	-		+	12.8	9.7		
14	H	16.22 54.9	0.9	+	+	+	2.6	7.5	4.8	3.3
	Z	16.22 54.7	0.8	-	+	-	1.0	0.6		
	A	16.24 23.9	1.0				0.7	0.9		
14	H	16.24 23.5	0.6		-	-	5.0	5.2	3.7	2.2
	Z	16.24 23.8	0.9				0.2	0.2		
	A	01.17 19.3	0.5			+	6.5	5.0		
15	H	01.17 20.0	1.1			+	4.7	6.1	3.1	3.1
	Z	01.17 19.5	0.6				1.0	2.2		
	A	01.43 18.8	0.6				1.1	1.3		
15	H	01.43 19.2	0.9			-	2.6	4.0	2.6	2.2
	Z	01.43 18.3	0.4	-	+	-	0.6	0.7		
	A	07.08 02.6	0.6				3.3	2.7		
15	H	07.08 03.0	0.9				2.4	3.6	3.7	2.7
	Z	07.08 02.4	0.6	-		-	1.0	0.7		
	A	08.41 07.3	0.9				1.7	3.1		
15	H	08.41 07.0	0.7			+	2.1	3.4	4.6	3.2
	Z	08.41 07.9	0.9				0.2			
	A	14.30 54.8	0.7	-			2.0	1.4		
15	H	14.30 55.1	0.8	-	-	-	5.7	4.8	3.0	2.6
	Z	14.30 54.6	0.5	-	+	-	0.6	1.2		
	A	14.40 19.7	0.5				1.7	1.4		
15	H	14.40 20.4	1.0			+	4.5	5.2	2.8	2.7
	Z	14.40 19.4	0.5	+	-	+	1.8	2.5		
	A	01.40 03.1	0.4				6.4	5.1		
16	H	01.40 03.8	1.0		+	+	6.7	7.4	2.1	2.5
	Z	01.40 03.3	0.6				0.4			
	A	03.13 48.6	0.6			-	3.6	4.0		
16	H	03.13 49.8	1.1			+	3.2	4.3	3.2	2.9
	Z	03.13 48.9	0.6	-	-	+	1.8	1.3		
	A	03.32 26.2	0.6	-			4.7	5.8		
16	H	03.32 27.0	0.9		+	+	3.6	5.2	4.0	2.9
	Z	03.32 26.8	0.8		-		0.7	0.2		
	A	06.28 05.2	0.5			-	3.2	2.4		
16	H	06.28 05.8	0.9		+	+	4.5	6.4	3.3	2.3
	Z	06.28 05.5	0.6				0.3	0.1		
	A	07.48 09.6	0.7	-		-	6.1	5.1		
16	H	07.48 09.9	0.9	-	-	+	1.8	3.4	4.9	3.3
	Z	07.48 09.0	0.9	+			0.2	0.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	09.00 50.0	0.5				2.0	2.7		
16	H	09.00 50.7	0.9			+	2.2	2.7	3.4	2.3
	Z	09.00 50.2	0.7			-	0.3	0.3		
	A	11.17 50.6	0.5				1.2	2.0		
16	H	11.17 50.9	0.9	-		-	3.3	3.5	2.1	2.7
	Z	11.17 50.3	0.4				3.3	1.5		
	A	13.05 19.6	0.6				4.6	3.3		
16	H	13.05 19.8	0.9	-	-	-	8.4	8.2	2.4	3.2
	Z	13.05 19.1	0.4			-	4.9	3.7		
	A	16.16 16.8	0.6	-			5.6	8.0		
16	H	16.16 17.2	0.9			+	4.7	4.6	3.7	3.1
	Z	16.16 16.9	0.7	-			1.3	1.3		
	A	16.17 03.1	0.5				5.5	8.8		
16	H	16.17 03.7	1.0	+	+	+	2.6	3.6	3.6	3.4
	Z	16.17 03.4	0.7				3.1	2.5		
	A	20.07 04.9	0.5				1.4	3.0		
16	H	20.07 05.0	0.6			+	5.4	8.5	2.0	2.7
	Z	20.07 05.2	0.7				0.8	1.4		
	A	00.04 32.2	0.6	-		+	19.8			
17	H	00.04 32.8	1.0			+	3.2	4.7	4.1	3.7
	Z	00.04 32.7	0.8			-	3.0	0.8		
	A	03.14 44.8	0.7				1.4	2.8		
17	H	03.14 44.9	0.9	-	-	-	3.0	2.0	2.3	2.8
	Z	03.14 44.4	0.4			-	2.9	2.1		
	A	03.27 11.0	0.5				6.4	4.5		
17	H	03.27 11.5	0.8		-	+	7.1	9.7	3.5	2.8
	Z	03.27 11.3	0.8				0.6	0.6		
	A	12.41 06.7	0.7				4.7	3.2		
17	H	12.41 07.4	1.2	+	+		6.8	7.0	2.9	3.3
	Z	12.41	0.5				4.4	6.0		
	A	18.24 47.1	0.6			+	4.6	7.7		
17	H	18.24 47.7	1.0	+	+	+	9.6	12.3	4.0	3.3
	Z	18.24 47.6	0.7	-	-	-	3.2	3.0		
	A	18.35 34.7	0.8	-			15.0	5.8		
17	H	18.35 35.5	1.0				2.0	2.8	5.7	3.2
	Z	18.35 35.4	0.9	-			0.4	0.2		
	A	19.46 59.2	0.8	-			23.4	34.3		
17	H	19.46 59.9	0.9			+	7.4	5.0	5.1	3.9
	Z	19.46 59.9	0.8		+	-	1.8	2.1		
	A	20.11 32.3	0.3		-		2.4	2.0		
17	H	20.11 32.8	0.9				4.4	6.0	2.2	2.2
	Z	20.11 33.1	0.6				0.5	0.6		
	A	20.57 11.8	0.7				1.6	1.3		
17	H	20.57 12.3	1.0			+	7.2	8.0	3.6	2.9
	Z	20.57 11.8	0.5				2.8	1.3		
	A	08.59 03.2	0.7				9.9			
18	H	08.59 03.2	0.6	+	+	-	6.2	9.7	3.0	3.6
	Z	08.59 03.5	0.7		+		1.4	4.4		
	A	09.16 17.2	0.7	-		+	5.4	11.7		
18	H	09.16 17.9	1.0	+	+	+	3.7	3.8	4.5	3.6
	Z	09.16 17.5	0.7	-	-	-	3.2	2.0		
	A	10.15 51.6	0.7	-			2.4	11.0		
18	H	10.15 51.6	0.6				4.7	7.7	3.3	4.0
	Z	10.15 51.8	0.7				0.7	1.4		
	A	10.59 29.7	0.6				1.3	4.3		
18	H	10.59 30.1	0.6				2.3	4.4	2.7	2.6
	Z	10.59 30.0	0.6	-			0.4	0.6		
	A	15.25 08.0	0.7	+			5.5	6.0		
18	H	15.25 08.4	1.0	-	-	-	11.4	12.4	2.2	3.4
	Z	15.25 07.8	0.3	-		-	11.0	11.1		
	A	16.56 43.4	0.7	-		+	4.3	4.1		
18	H	16.56 43.8	1.0	-	-	-	11.5	9.8	2.6	3.3
	Z	16.56 43.0	0.4				8.9	8.8		
	A	20.40 43.7	0.6				1.9	2.5		
18	H	20.40 44.3	0.9	+	+	+	5.0	6.1	4.4	2.9
	Z	20.40 44.0	0.8				0.5	0.7		
	A	22.27 05.0	0.9				8.2	8.8		
18	H	22.27 06.2	1.0			-	3.7	2.9	5.8	3.1
	Z	22.27 05.8	0.9				0.4	0.2		
	A	01.29 08.8	0.7				0.8	1.3		
19	H	01.29 09.3	0.8		-		4.0	4.4	3.3	2.8
	Z	01.29 08.7	0.5				3.0	1.2		
	A	01.31 35.1	0.9	+			3.6	4.7		
19	H	01.31 35.5	0.8				6.4	4.7	3.4	2.4
	Z	01.31 34.8	0.5	+		+	3.7	6.0		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Dec. 1965

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
19	A	02.38 24.6	1.0			-	4.9	5.0		
	H	02.38 24.7	0.7				9.0	4.8	5.2	3.1
	Z	02.38 25.2	1.1				0.5	0.3		
19	A	04.59 58.0	1.0	+		+	2.0	5.4		
	H	04.59 58.3	0.9			+	7.6	17.3	6.3	3.1
	Z	04.59 58.5	1.0				0.5	0.4		
19	A	05.24 02.6	0.8	+		+	1.7	4.3		
	H	05.24 03.2	0.8	-	-	-	9.7	9.2	1.4	3.4
	Z	05.24 02.3	0.3	-	-	-	10.2	11.3		
19	A	05.34 31.9	0.8				4.7	4.4		
	H	05.34 33.4	1.1		-		3.0	4.9	4.5	3.4
	Z	05.34 32.3	0.6				3.8	3.2		
19	A	10.16	0.5			+	1.4	2.0		
	H	10.16 24.9	0.9			+	3.3	4.2	3.3	2.3
	Z	10.16 24.1	0.6		+		0.5	0.6		
19	A	10.30 59.6	0.5	+						
	H	10.31 01.3	0.9				13.0	19.4	3.5	2.9
	Z	10.31 00.7	0.7	-	+	-	2.0	1.9		
19	A	10.31 32.0	0.7	-	+		8.3			
	H	10.31 33.5	1.0	+	+	+	9.4	5.6	4.9	3.3
	Z	10.31 32.7	0.8				1.3	1.6		
19	A	13.43 05.1	0.7				11.0	13.5		
	H	13.43 06.1	1.1	-	-	+	13.0	14.0	2.7	4.0
	Z	13.43 04.9	0.4				20.0			
19	A	17.47 11.0	0.4				3.4	2.6		
	H	17.47 12.2	1.0	+	+	+	4.2	5.9	2.7	2.9
	Z	17.47 11.6	0.6			-	2.2	1.5		
19	A	21.12 23.6	0.8	-	+		11.4	6.6		
	H	21.12 24.8	1.2			+	7.6	8.9	3.5	3.6
	Z	21.12 23.6	0.5				4.0	3.1		
19	A	21.17 46.4	0.8	+		-	1.6	2.4		
	H	21.17 47.5	1.2	-			3.0	3.4	3.1	2.7
	Z	21.17 46.2	0.5			+	1.0	1.2		
19	A	21.22 11.3	1.0	-			3.2	3.0		
	H	21.22 11.6	1.0					12.4	6.6	3.4
	Z	21.22 11.9	1.3				0.6	1.8		
19	A	23.14 39.2	0.7	+	+	+	4.6	9.8		
	H	23.14 40.4	1.3	+	+	+	5.0	6.0	3.7	3.4
	Z	23.14 39.7	0.7			+	2.1	1.0		
20	A	16.45 42.5	0.7	+		-	8.9	6.5		
	H	16.45 42.9	0.8			+	2.3	3.1	4.6	2.7
	Z	16.45 43.0	0.9				0.2	0.2		
21	A	00.11 42.6	0.7	+	-	+	3.6	3.4		
	H	00.11 43.3	1.0	+	+	+	3.3	4.2	4.9	2.8
	Z	00.11 42.8	0.8			-	0.6	0.5		
21	A	03.49 59.6	0.5	+	-	-	3.0	1.5		
	H	03.50 00.5	1.0			+	2.5	3.4	3.6	2.7
	Z	03.49 59.9	0.7	+	-	+	0.4	0.9		
21	A	04.20 23.1	0.6	-	+		4.2	3.3		
	H	04.20 23.9	1.0	-		+	3.0	3.3	4.3	3.1
	Z	04.20 23.3	0.7			+	1.9	1.5		
21	A	06.56 52.6	0.5		+	+	2.2	2.1		
	H	06.56 53.4	0.8				3.7	4.7	3.0	2.3
	Z	06.56 52.9	0.6				0.3	0.5		
21	A	11.09 01.6	0.5	-			2.5	2.2		
	H	11.09 01.2	1.0	+	+	+	3.3	3.8	3.3	2.6
	Z	11.09 01.6	0.7	-	+	-	0.9	0.8		
21	A	13.25 52.0	1.0	-	-	+	2.2	2.8		
	H	13.25 52.0	0.6				5.2	5.7	3.7	3.1
	Z	13.25 52.1	1.0				1.0	0.7		
21	A	13.26 31.0	1.0	-			2.7	2.0		
	H	13.26 30.6	0.7			+	4.7	5.4	4.6	3.0
	Z	13.26 31.0	1.0			-	1.0	0.6		
21	A	14.29 09.6	1.0	+	+	-	3.9	5.4		
	H	14.29 09.4	1.4	-	-	-	4.5	2.5	4.9	3.7
	Z	14.29 09.1	0.7				3.8	2.8		
21	A	14.55 45.6	1.1	+	+		2.8	3.8		
	H	14.55 46.1	1.2	-	+	-	4.3	5.8	2.8	3.5
	Z	14.55 45.3	0.6			+	5.0	4.2		
21	A	15.00 31.6	0.7	+			8.3	9.0		
	H	15.00 32.0	0.9	-	+		2.9	6.5	4.8	3.1
	Z	15.00 32.2	0.8			-	0.7	0.8		
21	A	21.56 32.3	0.7	-	-		5.0	20.2		
	H	21.56 32.5	0.5	+	+	+	8.4	14.0	2.9	3.3
	Z	21.56 32.6	0.7	-	+	-	0.6	0.7		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
21	A	22.19 44.8	0.5			+	1.5	1.7		
	H	22.19 45.5	1.0			+	2.6	4.0	3.0	2.6
	Z	22.19 45.0	0.5				1.0	2.0		
21	A	22.31 40.8	0.7	-	-	+	4.2	12.7		
	H	22.31 40.9	0.7	+	+		8.3	17.4	3.6	3.3
	Z	22.31 41.1	0.8	-	+	-	0.6	1.2		
22	A	01.22 01.9	0.5				3.0	1.5		
	H	01.22 02.5	0.9			+	2.6	2.8	3.6	2.8
	Z	01.22 02.1	0.7				0.2	0.2		
22	A	06.02 28.0	0.7	+	+	-	2.9	2.2		
	H	06.02 29.9	1.0			+	4.4	6.7	3.3	3.4
	Z	06.02 27.5	0.5		+	-	4.6	6.1		
22	A	06.15 02.5	0.8		-	+	18.1	7.4		
	H	06.15 02.4	0.8			+	9.8	12.5	4.5	3.6
	Z	06.15 02.7	1.2			-	0.9	0.8		
22	A	06.16 57.4	0.9	+	+		2.2	2.2		
	H	06.16 57.7	1.0			+	2.3	5.2	2.9	3.1
	Z	06.16 56.8	0.5		+	-	3.6	4.6		
22	A	08.20 54.1	0.5	+	+	+	5.8	8.8		
	H	08.20 54.5	0.7	+		+	3.3	4.2	3.2	2.7
	Z	08.20 54.3	0.7	-	+	-	0.3	0.4		
22	A	10.40 54.0	0.5	-	+	+	9.9	6.4		
	H	10.40 54.7	1.0			+	2.7	3.7	3.4	3.0
	Z	10.40 54.0	0.8		-	+	0.4	0.9		
22	A	12.41 37.7	0.6	-	+		3.6	5.4		
	H	12.41 38.3	0.8			+	3.2	4.0	3.6	2.8
	Z	12.41 37.9	0.8				0.5	0.5		
22	A	13.37 14.4	1.0	+	+	-	4.1	3.0		
	H	13.37 14.4	1.2		+	+	11.8	5.4	7.6	3.0
	Z	13.37 14.7	1.2			-	0.4	0.3		
22	A	14.50 40.0	0.7	+	+	+	2.8	3.1		
	H	14.50 40.1	1.0	-	-	-	5.0	3.8	2.6	3.1
	Z	14.50 39.4	0.4	-	+	-	7.0	6.2		
22	A	16.53 34.6	0.9	-	+	-	3.0	3.5		
	H	18.53 35.1	1.2			+	3.5	6.4	4.1	3.3
	Z	18.53 34.3	0.6	+			3.4	4.6		
22	A	22.35 22.2	0.8	+		+	0.7	0.8		
	H	22.35 22.5	0.9				1.8	3.0	4.3	2.7
	Z	22.35 21.7	0.6			+	2.2	2.0		
23	A	03.40 31.4	0.8	-		+	16.0	20.5		
	H	03.40 31.7	1.0		+	+	2.4	2.6	5.1	3.1
	Z	03.40 31.6	0.8	-	+	-	1.4	1.4		
23	A	11.45 20.1	0.6			-	6.7	4.2		
	H	11.45 21.5	0.4				2.6	4.2	1.8	2.9
	Z	11.45 20.5	0.7		-	+	0.6	0.6		
23	A	13.05 33.5	0.8	-		+	12.3	18.0		
	H	13.05 33.9	0.9				2.0	2.9	5.2	3.3
	Z	13.05 33.9	0.9	-		-	0.5	0.3		
23	A	19.35 16.9	0.7				0.8	2.0		
	H	19.35 17.7	0.6			-	3.2	4.6	3.4	2.5
	Z	19.35 17.2	0.9	-			0.4	0.3		
24	A	22.23 29.6	0.7			+	1.2	1.6		
	H	22.23 29.7	0.7				1.8	3.4	3.6	2.5
	Z	22.23 30.0	0.7			-	0.4	0.6		
24	A	23.27 08.2	0.6	+		+	2.3	1.5		
	H	23.27 09.8	0.8				1.8	2.2	3.5	2.3
	Z	23.27 09.0	0.7	+	-	+	0.3	0.3		
25	A	03.15 50.0	0.9	+	+	+	4.7	6.7		
	H	03.15 50.2	0.9		-	-	11.4	8.9	1.9	3.6
	Z	03.15 50.0	0.5	+		+	3.6	7.0		
25	A	03.30 57.4	0.7	-			2.2	3.0		
	H	03.30 57.8	0.9			+	2.7	4.5	4.7	2.8
	Z	03.30 57.6	0.9				0.7	0.7		
25	A	03.31 41.6	0.8	-	+	+	5.0	7.4		
	H	03.31 41.9	0.9	+	+	+	4.1	7.3	5.2	3.1
	Z	03.31 42.0	0.8	+	+	-	0.8	0.5		
25	A	04.17 53.6	0.7	+	-		4.0	11.9		
	H	04.17 53.9	0.6	+	+	+	3.3	3.2	3.1	3.2
	Z	04.17 53.7	0.7	-	+	+	0.8	1.0		
25	A	06.49 04.2	0.8	-			3.8	4.4		
	H	06.49 04.3	0.6			+	3.5	2.2	4.0	2.8
	Z	06.49 04.6	1.0			-	0.3	0.3		
25	A	10.00 23.3	0.9				0.4	0.4		
	H	10.00 23.2	0.7			+	2.0	3.0	4.6	2.0
	Z	10.00 23.4	1.0				0.2	0.1		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	16.38 47.9	1.0				3.8	7.1		
25	H	16.38 47.7	0.6				5.5	6.5	2.8	3.1
	Z	16.38	0.8				0.5	0.2		
	A	19.53 54.3	0.6	+	−	+	2.0	3.5		
25	H	19.53 54.8	0.9		−		7.3	3.5	2.1	3.4
	Z	19.53 54.1	0.3	−	−	−	9.7	7.4		
	A	20.20 16.4	0.7		−		4.4	2.4		
25	H	20.20 17.1	0.9	−		+	3.6	3.4	4.2	2.7
	Z	20.20 16.9	0.7				0.4	0.5		
	A	20.22 56.1	0.7	+	−	+	4.8	8.4		
25	H	20.22 57.0	1.2	+	−	+	4.8	7.5	4.3	3.3
	Z	20.22 56.5	0.7		−	+	1.8	0.8		
	A	23.33 23.3	0.8		−	−	0.5	0.7		
25	H	23.33 24.1	0.8	−	−	−	2.0	2.7	1.4	2.3
	Z	23.33 23.7	0.4	−	+	−	1.4	1.0		
	A	00.19 30.6	0.5	+	+	+	3.0	5.1		
26	H	00.19 31.2	0.9	−			4.4	5.4	3.4	2.7
	Z	00.19 31.2	0.6		+	−	0.5	0.6		
	A	00.35 04.0	0.7	+		+	4.4	5.1		
26	H	00.35 04.9	1.0	+	+	+	4.4	5.6	4.3	3.3
	Z	00.35 04.4	0.6		+		3.0	3.6		
	A	04.56 51.0	0.9	+	+	+	1.0	1.1		
26	H	04.56 52.3	1.1		−		1.9	2.9	4.1	2.4
	Z	04.56 51.5	0.6				0.3	0.6		
	A	06.36 35.3	0.7	+	+	+	1.8	1.7		
26	H	06.36 35.9	1.1				3.4	4.1	4.0	2.7
	Z	06.36 35.1	0.6				0.6	1.6		
	A	06.56 16.7	0.5	+		+	4.4	4.2		
26	H	06.56 17.6	0.9	−	−		3.4	4.0	3.1	2.7
	Z	06.56 17.3	0.6				0.6	0.8		
	A	10.34 16.2	0.8	+	−	−	0.9	0.6		
26	H	10.34 17.0	1.1			+	1.4	2.6	4.0	2.3
	Z	10.34 16.1	0.6				0.6	0.5		
	A	20.12 07.8	0.5		−	−	0.9	1.7		
26	H	20.12 08.7	0.9			+	4.0	4.9	3.0	2.6
	Z	20.12 08.4	0.6			+	0.8	1.7		
	A	01.16 11.4	0.8	−	+	−	11.8	11.8		
27	H	01.16 12.3	1.2		−	+	12.8	15.7	4.2	4.0
	Z	01.16 11.4	0.6		−	−	10.8	12.8		
	A	01.16 46.6	0.8	+	+		4.4	3.3		
27	H	01.16 47.4	1.2		+	+	4.4	6.7	4.3	3.4
	Z	01.16 46.5	0.6			+	4.8	4.9		
	A	01.30 31.3	0.8	−	+		3.8	2.8		
27	H	01.30 32.3	1.0	−	+	+	5.0	4.7	3.4	3.1
	Z	01.30 31.4	0.5				3.0	2.4		
	A	05.45 32.5	0.8			+	3.7	7.2		
27	H	05.45 32.6	1.2				5.4	4.8	5.3	3.4
	Z	05.45 33.3	0.8				1.2	2.0		
	A	08.39 37.3	0.6		−	+	3.4	11.6		
27	H	08.39 37.9	0.8		+	+	2.0	3.8	3.6	2.8
	Z	08.39 38.3	0.9					0.3		
	A	17.06	0.7				0.4	0.6		
27	H	17.06 47.9	1.1	−			4.0	5.7	4.2	2.4
	Z	17.06 48.5	0.7	+		−	1.2	1.2		
	A	20.30 54.3	0.7		−		2.4	4.3		
27	H	20.30 55.2	1.0	+			6.8	5.6	3.2	3.3
	Z	20.30 54.2	0.5	+	−	+	6.4	5.9		
	A	13.09 59.8	0.6	−	−	−	7.1	3.8		
28	H	13.10 00.8	1.1			+	2.0	3.3	4.2	2.8
	Z	13.10 00.1	0.8			+	0.3	0.5		
	A	16.47 55.6	0.6			−	0.8	0.8		
28	H	16.47 56.5	0.9			+	4.0	5.8	3.5	2.2
	Z	16.47 55.9	0.6			−	0.5	0.7		
	A	18.56 27.8	0.6	+		−	6.2	7.2		
28	H	18.56 28.9	1.0				3.0	3.4	4.2	3.1
	Z	18.56 28.2	0.7		−	+	1.0	1.4		
	A	19.00 45.3	0.8	−	−		1.2	1.1		
28	H	19.00 45.7	0.9	−	−	−	3.6	2.8	1.3	2.9
	Z	19.00	0.3	−		+	8.7	8.4		
	A	20.59 34.1	0.8			+	1.6	2.0		
28	H	20.59 34.5	0.9	−		−	4.2	2.8	2.2	3.1
	Z	20.59 33.7	0.4	−		−	4.3	5.0		
	A	22.43 54.1	0.6		+	−	3.8	3.9		
28	H	22.43 54.5	0.9	−	+	+	4.8	5.4	4.0	2.6
	Z	22.43 54.4	0.8	−		−	0.4	0.4		
	A	23.41 48.2	0.7	−	−	+	14.9	22.0		
28	H	23.41 49.0	1.1		+	+	13.3	9.7	4.9	4.0
	Z	23.41 48.6	0.8	−	+	−	3.1	3.5		
	A	02.01 55.4	0.5	−		−	11.4	3.4		
29	H	02.01 56.3	0.9			+	2.2	3.6	3.2	2.8
	Z	02.01 55.6	0.7			−	0.3	0.4		
	A	05.44 53.2	1.0		+	−	1.9	1.6		
29	H	05.44	0.7			+	3.4	3.4	3.2	3.1
	Z	05.44 52.9	0.7			−	2.7	2.5		
	A	08.41 12.2	0.5	−	+	+	1.0	2.1		
29	H	08.41 13.1	0.9		−	+	5.1	5.1	3.3	2.2
	Z	08.41 12.9	0.7				0.2	0.3		
	A	09.12 39.5	0.9		−	−	5.5	9.0		
29	H	09.12 39.1	0.7			+	8.3	7.0	5.0	3.3
	Z	09.12 39.7	1.0	−		−	0.7	0.3		
	A	16.35 26.8	0.9	+		−	2.0	3.2		
29	H	16.35 26.6	0.9	−	+	+	10.4	12.4	5.5	2.9
	Z	16.35 27.1	1.1				0.4	0.2		
	A	20.13 02.8	0.5				4.7	2.9		
29	H	20.13 03.4	0.9	−		+	2.5	5.0	2.4	2.4
	Z	20.13 03.1	0.5				0.4	0.5		
	A	21.36 26.8	1.3	+			0.7	1.8		
29	H	21.36 26.0	0.9		+	+	7.2	3.7	5.8	2.8
	Z	21.36 26.6	1.2				0.3	0.1		
	A	05.37 58.9	0.8	−		+	1.6	2.0		
30	H	05.37 59.1	1.0	−	−	−	3.0	2.3	1.7	2.8
	Z	05.37 58.3	0.3			−	4.4	3.2		
	A	06.58 38.9	0.8	−		+	7.1	13.5		
30	H	06.58 38.6	0.8	−	+	+	12.0	15.4	4.8	3.4
	Z	06.58 39.4	1.1	−		−	0.9	0.9		
	A	12.39 33.2	0.5				4.4	5.5		
30	H	12.39 33.3	0.9	+	−		3.4	3.4	2.6	2.7
	Z	12.39 32.8	0.5	−	+	−	1.1	1.2		
	A	15.04 27.4	0.5	−		+	4.0	7.8		
30	H	15.04 27.0	0.9	+	+	+	3.4	5.2	3.6	2.7
	Z	15.04 27.2	0.8		+	−	0.4	0.4		
	A	15.55 56.2	1.0	+	−		5.4	14.8		
30	H	15.55 55.9	0.7		+	+	14.0	7.4	4.8	4.0
	Z	15.55 56.4	1.0	−		−	4.4	1.0		
	A	18.16 51.3	0.5		+		13.0	11.5		
30	H	18.16 52.0	0.9	+	+	+	4.8	9.6	3.8	3.1
	Z	18.16	0.8	−	+	−	0.8	0.6		
	A	18.22 27.1	0.6				1.5	2.0		
30	H	18.22 27.5	0.9	−	−		3.3	4.0	3.3	2.5
	Z	18.22 27.0	0.5			−	0.8	0.5		
	A	18.43 45.9		−	−	+	0.8	1.1		
30	H	18.43 46.5		−			2.2	3.0	3.8	2.2
	Z	18.43				−	0.2	0.4		
	A	19.20	0.5				0.4	0.7		
30	H	19.20 50.5	0.4				2.0	2.4	0.5	1.7
	Z	19.20 50.2	0.7					0.2		
	A	21.18 55.3	0.6	−	+	−	9.4	5.7		
30	H	21.18 55.8	1.0	+	+	+	2.2	7.4	4.3	3.0
	Z	21.18 55.7	1.0	−	+	−	0.3	0.4		
	A	21.22 23.1	0.5	+	+	−	9.4	6.6		
30	H	21.22 23.5	0.9		+	+	2.4	5.7	3.6	2.9
	Z	21.22 23.5	0.9	−		−	0.3	0.4		
	A	23.12 24.8	0.6	−			1.8	2.1		
30	H	23.12 25.3	0.9		−	+	3.0	4.1	3.5	2.3
	Z	23.12 24.9	0.6			−	0.4	0.5		
	A	04.02 25.1	1.3	+		+	2.4	4.4		
31	H	04.02 24.6	0.8			+	3.3	5.6	5.1	3.2
	Z	04.02 25.1	1.2				0.7	0.5		
	A	04.17 58.1	0.9			−	5.1	5.1		
31	H	04.17 59.0	1.3		−	−	4.3	3.7	4.5	3.1
	Z	04.17 58.0	0.7	−	−	+	1.3	1.2		
	A	04.43 43.3	0.6		+		1.8	3.9		
31	H	04.43 44.1	0.7				3.4	4.0	2.8	2.5
	Z	04.43 43.5	0.6				0.4	0.3		
	A	06.02 08.9	0.5	−		+	2.2	1.8		
31	H	06.02 09.5	0.9	−	−	+	4.0	6.9	3.2	2.4
	Z	06.02 09.0	0.6					0.7		
	A	06.02 26.5	0.8	+			3.3	3.2		
31	H	06.02 27.0	1.0	−		+	2.8	3.8	3.4	3.0
	Z	06.02 26.1	0.5			−	2.4	2.4		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Dec. 1965 - Jan. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	15.25 35.1	0.5			+	0.9	1.5		
31	H	15.25 35.9	0.8				4.6	6.9	3.2	2.4
	Z	15.25 35.2	0.6				0.4	0.7		
	A	16.15 04.6	0.7	+		+	3.9	4.1		
31	H	16.15 05.3	1.0	-	+	+	4.2	1.6	5.0	3.4
	Z	16.15 04.7	0.7		-	+	4.8	2.5		
	A	16.52 38.7	0.8	+		+	9.6	5.8		
31	H	16.52 39.1	1.1			+	2.6	4.5	5.5	3.2
	Z	16.52 38.4	0.9				0.8	0.4		
	A	18.35 31.0	0.7	+		+	6.7	7.0		
31	H	18.35 31.5	0.9	+	+	+	3.6	5.1	4.9	2.8
	Z	18.35 31.2	0.9				0.3	0.3		
	A	23.40	0.5	+		+	11.4	8.2		
31	H	23.40 36.1	1.0	+	-	+	4.5	6.8	3.2	3.4
	Z	23.40 35.5	0.7		+	-	1.5	3.5		

1966 January

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.36 13.3	1.0	+	+	-	2.6	2.2		
01	H	00.36 14.7	0.9			+	4.0	5.2	3.0	3.1
	Z	00.36 13.1	0.6				2.3	1.8		
	A	01.30 11.2	0.9	+			0.7	0.7		
01	H	01.30 11.9	1.0		+		2.0	2.4	3.7	2.6
	Z	01.30 10.7	0.5		+	-	2.4	1.3		
	A	05.08	0.7				1.3	1.6		
01	H	05.08 33.0	0.8	+			4.7	4.7	2.9	2.5
	Z	05.08 32.1	0.5				1.0	0.6		
	A	10.21 31.3	0.7				0.7	0.7		
01	H	10.21 32.0	0.9			+	1.6	2.8	4.0	2.1
	Z	10.21 31.1	0.6				0.5	0.6		
	A	14.28 09.1	0.9		+		1.2	1.4		
01	H	14.28 09.9	1.2			-	2.5	3.6	4.0	2.7
	Z	14.28	0.6				1.0	0.6		
	A	17.17 12.2	0.6	+		+	1.3	2.3		
01	H	17.17 12.9	0.8		+	+	2.6	2.4	3.8	2.3
	Z	17.17 12.6	0.9				0.2	0.2		
	A	21.32	0.6	-		+	2.2	5.0		
01	H	21.32 18.5	1.0	+	+	+	4.8	7.7	4.2	3.0
	Z	21.32 17.8	0.7	-	+	-	1.1	1.0		
	A	01.07 29.1	0.4	+			1.4	0.7		
02	H	01.07 31.6	0.8			+	2.0	3.3	2.9	2.1
	Z	01.07 31.0	0.7				0.5	0.5		
	A	02.06 40.5	0.8	-	+	+	6.0	5.0		
02	H	02.06 41.7	0.9	+		+	7.6	6.2	3.6	3.3
	Z	02.06 40.7	0.5		+	-	3.8	3.2		
	A	05.23 38.7	0.7	+	-	+	1.5	5.2		
02	H	05.23 39.1	0.9	-	-	-	5.1	6.0	2.1	3.6
	Z	05.23 38.2	0.3	-	-		17.3	13.7		
	A	11.08 46.8	0.9	+	-	+	7.0	7.4		
02	H	11.08 46.7	0.8		+	+	4.5	9.7	5.3	3.0
	Z	11.08 46.8	1.0				0.4	0.2		
	A	13.06 02.3	0.8	-	+		22.8	55.0		
02	H	13.06 03.0	0.9	+		+	30.3	14.3	5.0	4.3
	Z	13.06 02.6	0.8	-	+	+	1.8	5.0		
	A	13.49 53.4	0.7					1.4		
02	H	13.49 53.5	0.9			-	3.7	2.6	3.6	2.8
	Z	13.49 52.8	0.6				2.9	1.1		
	A	17.49 44.5	0.5			+	1.0	1.0		
02	H	17.49 44.9	1.0			+	3.8	2.4	2.3	2.7
	Z	17.49 43.5	0.4		-		4.5	6.1		
	A	20.14 40.0	0.8			+	0.9	1.0		
02	H	20.14 39.9	0.8			-	4.0	2.4	2.9	2.8
	Z	20.14 39.3	0.5			-	3.0	1.1		
	A	01.13 38.2	0.6			+	3.5	3.5		
03	H	01.13 38.9	0.8	+	+	+	4.4	7.6	3.0	2.9
	Z	01.13 38.0	0.5	-	+	-	1.7	1.2		
	A	01.28 56.5	0.5			-	1.5	0.9		
03	H	01.28 57.7	0.8		+		3.2	7.6	2.7	2.4
	Z	01.28 56.7	0.5	-	+	-	0.8	0.9		
	A	01.59 40.2	0.8			+	5.5	3.6		
03	H	01.59 40.4	0.8			+	3.4	13.4	4.9	3.1
	Z	01.59 40.4	1.0			-	0.6	0.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	03.59 16.0	0.7	+	+	-	54.0	48.5		
03	H	03.59 16.8	1.0			+	26.0	46.0	4.0	
	Z	03.59 16.0	0.6	-	+	-	11.5	18.2		
	A	04.27 14.5	0.5			+	3.0	3.6		
03	H	04.27 15.2	0.8	+			3.8	4.2	2.9	
	Z	04.27 14.4	0.5	-	+		0.8	1.0		
	A	04.40 52.6	0.9			+	0.6	0.7		
03	H	04.40 52.9	0.8	-		-	3.7	2.2	2.3	
	Z	04.40 52.2	0.5				3.2	1.0		
	A	06.80 02.4	0.7				4.0	5.0		
03	H	06.80 03.2	1.0		+	+	4.8	5.8	5.0	
	Z	06.80 02.8	0.8			-	1.0	1.2		
	A	07.39 17.4	0.6				3.2	2.3		
03	H	07.39 18.2	0.9				4.5	4.4	4.2	
	Z	07.39 17.7	0.8			+	0.8	1.2		
	A	10.18 24.2	0.6			+	4.0	8.2		
03	H	10.18 25.2	0.9			+	8.6	11.8	3.8	
	Z	10.18 24.4	0.6		+	-	0.8	2.4		
	A	14.08 13.4	0.7		+	+	3.0	2.8		
03	H	14.08 13.8	0.7			+	3.0	5.0	2.7	
	Z	14.08 13.1	0.5		+	-	4.1	2.5		
	A	16.08 15.3	0.9	-	+	-	6.5	12.9		
03	H	16.08 16.1	0.8	+	+	+	10.0	18.2	3.5	
	Z	16.08 15.4	0.6	-	+	-	1.2	3.3		
	A	16.28 24.3	1.0		+	+	7.2	18.5		
03	H	16.28 24.0	0.5				9.4	16.8	2.2	
	Z	16.28 24.2	0.8	-	+	-	1.9	1.1		
	A	20.16	0.6		+	+	5.4	4.7		
03	H	20.16 15.3	0.9	+	+	+	4.1	4.9	3.6	
	Z	20.16	0.6	-	+	-	1.0	1.7		
	A	20.47 48.2	0.5			+	3.0	5.2		
03	H	20.47 49.2	0.9	+		+	2.2	3.2	3.3	
	Z	20.47 48.4	0.6			-	0.6	0.7		
	A	21.54 14.6	0.9		-	+	5.2	11.0		
03	H	21.54 14.7	0.4			+	18.7	29.0	2.4	
	Z	21.54 14.7	0.9	-	+	-	1.2	1.2		
	A	23.58 51.0	0.6		-	+	**	**		
03	H	23.58 51.9	0.9	+	+	+			3.4	
	Z	23.58 51.0	0.6		+	-	1.2	3.2		
	A	00.23 50.3	0.8	-	-	+	12.1	22.5		
04	H	00.23 51.2	0.9	+	+	+	19.8	19.3	5.0	
	Z	00.23 50.7	0.8	-	+	-	3.3	1.6		
	A	01.36 22.9	0.4	-	+		2.6	3.0		
04	H	01.36 23.9	0.9			+	4.4	3.8	2.4	
	Z	01.36 23.0	0.5	-	+		0.5	0.8		
	A	01.38 43.1	0.5			-	1.7	1.5		
04	H	01.38 43.7	0.9			+	2.6	3.1	3.1	
	Z	01.38 42.8	0.6	-	+	-	0.4	0.6		
	A	12.53 45.2	0.9	+		+	3.9	14.9		
04	H	12.53 45.0	0.6	+			9.2	12.4	3.1	
	Z	12.53 45.2	0.8	-	+		0.6	0.7		
	A	18.32 03.6	0.6			-	2.6	1.8		
04	H	18.32 04.6	1.0			+	4.4	6.8	3.8	
	Z	18.32 04.1	0.6				1.0	1.1		
	A	19.38 06.6	0.9	+	+	+	9.5	9.7		
04	H	19.38 07.5	1.0			-	5.9	4.2	6.0	
	Z	19.38 06.9	0.9			-	2.9	1.8		
	A	20.17 17.1	0.5		+	+	6.6	17.0		
04	H	20.17 18.3	0.9		+	+	4.1	4.7	3.5	
	Z	20.17 18.0	0.7	-	+	-	0.5	0.9		
	A	22.08 21.9	1.1		+		0.8	1.3		
04	H	22.08 21.8	1.0				3.4	2.7	2.4	
	Z	22.08	0.6				0.8	0.8		
	A	00.37 18.3	0.5	+			5.3	8.8		
05	H	00.37 19.3	0.9		+	-	5.6	9.0	2.9	
	Z	00.37 18.8	0.5				1.4	1.6		
	A	00.37 29.1	0.5		+		4.1	4.1		
05	H	00.37 29.9	0.9			+	3.0	7.4	2.4	
	Z	00.37 29.4	0.4	-			1.7	1.3		
	A	00.37 34.3	0.7				1.4	1.7		
05	H	00.37 35.2	0.7			-	1.5	3.2	2.0	
	Z	00.37 34.6	0.4	-		-	0.5	0.2		
	A	01.01 42.1	0.5			+	0.7	1.1		
05	H	01.01 42.9	0.7				2.5	3.4	1.8	
	Z	01.01 42.2	0.4			-	0.4	0.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	04.25	0.6			+	8.6	7.9		
05	H	04.25 44.6	1.1			+	5.0	8.6	4.3	3.3
	Z	04.25 44.1	0.8	+	-		2.1	1.1		
	A	09.39 07.1	0.6	+		+	6.3	8.1		
05	H	09.39 07.7	1.0		+	+	3.0	6.5	4.5	3.1
	Z	09.39 07.4	0.8			-	0.8	0.5		
	A	12.09 58.2	0.7	+		+	3.1	9.5		
05	H	12.09 58.5	0.5				6.0	13.0	2.1	3.3
	Z	12.09 59.4	0.6	-	-	-	1.6	2.1		
	A	12.45 03.1	0.6				18.3	39.5		
05	H	12.45 04.2	1.0		+	+	7.2	12.5	4.5	4.1
	Z	12.45 03.8	0.8	-	+	-	2.2	4.3		
	A	14.05 18.1	0.5	+	+	+	19.9	30.9		
05	H	14.05 19.2	0.9	+	+	+	12.0	7.8	3.7	3.8
	Z	14.05 19.0	0.8		+	-	4.0	4.4		
	A	18.35 31.6	0.9		-	+	1.6	2.0		
05	H	18.35	0.8	-			7.6	7.4	2.6	3.1
	Z	18.35 30.9	0.5				4.3	2.0		
	A	22.02 15.6	1.0	+		+	1.0	1.8		
05	H	22.02 15.5	0.7				3.6	3.7	3.8	2.8
	Z	22.02 14.9	0.9				0.8	0.5		
	A	01.46 09.2	0.5	+		+	5.8	4.0		
06	H	01.46 10.3	0.9			+	3.4	2.3	3.2	3.2
	Z	01.46 08.7	0.5			-	0.8	3.8		
	A	05.04 00.6	0.6	+		+	1.8	3.8		
06	H	05.04 00.8	0.6	+	+	+	6.5	9.8	2.7	2.5
	Z	05.04 00.9	0.6				0.4	0.4		
	A	07.46 34.3	0.6	-	-	+	4.5	9.0		
06	H	07.46 35.2	0.8			+	3.4	3.9	4.0	3.2
	Z	07.46 33.7	0.8		+	-	1.1	0.6		
	A	09.15 39.6	0.7	+		+	1.2	1.0		
06	H	09.15 40.2	0.9			+	3.4	2.7	3.5	3.0
	Z	09.15 39.4	0.5		+	-	7.6	4.6		
	A	12.49 10.6	0.9	+		+	0.6	0.8		
06	H	12.49 10.6	1.0	+	-	-	4.0	4.2	3.8	2.4
	Z	12.49 10.3	0.6			+	0.9	1.1		
	A	13.35 06.2	1.2			+		3.5		
06	H	13.35 05.5	1.1	-	+	-	11.4	6.6	7.7	3.2
	Z	13.35 05.8	1.2				0.7	0.7		
	A	13.46 13.7	0.8	+		+	1.2	2.4		
06	H	13.46 14.5	0.9	-	-		3.2	2.8	4.7	2.8
	Z	13.46 13.2	0.7				0.9	0.8		
	A	14.23 54.3	0.9					0.5		
06	H	14.23 54.6	0.8	-	-	-	3.2	3.6	4.2	2.2
	Z	14.23 53.9	0.5			+	0.4	0.5		
	A	18.45 25.6	1.0			+	0.7	1.8		
06	H	18.45 26.1	1.3	-		-	3.1	2.4	2.5	2.8
	Z	18.45 25.3	0.5				1.8	1.6		
	A	21.31 03.5	0.7	-		+	1.9	4.4		
06	H	21.31 03.8	0.6		+		3.9	6.8	3.0	2.7
	Z	21.31 03.8	0.7	-		-	0.6	0.6		
	A	23.15 48.6	0.8		+	+	3.4	3.6		
06	H	23.15 49.0	1.4		-	+	3.3	1.0	5.1	3.1
	Z	23.15 49.0	0.9	-		+	0.6	1.1		
	A	00.29 21.8	0.5	-			12.4	12.0		
07	H	00.29 22.6	1.0	-	+	+	5.0	6.7	3.7	3.4
	Z	00.29 22.3	0.8			+	0.9	2.2		
	A	01.50 12.3	1.3			+	1.9	5.4		
07	H	01.50 14.9	1.2	-	-	-	**	14.4	6.4	3.9
	Z	01.50 14.2	1.0		+	+	6.4	12.2		
	A	05.28 40.8	0.8	-	+	-	2.6	3.9		
07	H	05.28 41.7	1.2	-	-		4.3	4.2	3.8	3.0
	Z	05.28 39.9	0.6		-	+	1.2	0.9		
	A	06.33 39.8	0.6			+	1.9	1.4		
07	H	06.33 40.0	0.9	+	+		8.5	7.4	3.2	3.2
	Z	06.33 39.6	0.5	-		-	9.2	7.1		
	A	10.12 54.1	0.8		+	+	0.6	3.3		
07	H	10.12 54.4	1.0	-		-	3.9	2.3	2.3	3.0
	Z	10.12 53.6	0.4		+	+	1.3	3.0		
	A	10.17 26.4	0.8	-	+	+	5.2	4.8		
07	H	10.17 27.0	1.2	-	-	+	5.2	4.0	4.7	3.2
	Z	10.17 26.2	0.7	+	-	+	2.0	2.0		
	A	02.53 55.7	0.9	-	-		5.6	5.5		
08	H	02.53 56.2	1.0			+	4.7	7.0	5.4	3.2
	Z	02.53 56.2	0.8	-		-	1.2	0.8		

Jan. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	03.09 54.0	0.4	-	+	+	3.2	3.3		
08	H	03.09 54.8	0.9	-			3.2	4.8	2.7	2.4
	Z	03.09 54.5	0.6				0.2	0.6		
	A	03.10 26.0	1.1	-	+	+	2.2	1.5		
08	H	03.10 27.0	1.2		-	-	3.8	3.2	1.5	3.0
	Z	03.10 26.0	0.5				2.0	1.9		
	A	07.09 32.5	0.7	-		+	0.8	0.8		
08	H	07.09 32.8	0.7	-			2.0	2.8	2.7	2.4
	Z	07.09 32.6	0.5			-	1.0	1.2		
	A	07.33 55.5	0.7	-	+	+	9.2	6.6		
08	H	07.33 56.2	0.9	+	+	+	3.2	7.1	4.9	3.2
	Z	07.33 56.1	0.9				0.7	1.0		
	A	07.59 33.0	1.0	+		+	6.5	5.0		
08	H	07.59 33.0	0.8			+	6.7	12.6	5.6	3.2
	Z	07.59 33.6	1.1				0.6	0.3		
	A	13.06 34.4	0.9	-			1.4			
08	H	13.06 34.8	1.2	+		-	2.1	4.0	3.6	3.0
	Z	13.06 33.7	0.5			+	3.6	1.5		
	A	19.08 50.6	0.6			+	3.4	2.2		
08	H	19.08 51.0	1.0	+	+	+	4.2	5.4	2.9	2.8
	Z	19.08 50.5	0.5		+	-	2.1	1.1		
	A	20.37 35.9	1.1				6.4	3.2		
08	H	20.37 35.9	1.0		+	+	15.9	8.5	7.4	3.5
	Z	20.37 36.5	1.3			-	1.1			
	A	22.34 31.4	0.8	+			53.0	34.0		
08	H	22.34 30.4	1.0	+	+	+	41.5	44.0	3.7	4.7
	Z	22.34 31.1	0.5	-	+	-	27.5	23.0		
	A	22.44 54.8	0.5			+				
08	H	22.44 55.4	0.8				3.4	3.8	3.0	1.9
	Z	22.44 55.4	0.7	-			0.2	0.4		
	A	03.23 38.2	0.7	-	+	+	2.4	2.6		
09	H	03.23 38.2	0.9	-	-	-	2.8	4.0	3.1	3.2
	Z	03.23 37.6	0.5	-		-	6.4	6.2		
	A	03.26 59.1	0.7	-	+	-	2.1	2.4		
09	H	03.26 59.8	0.9	+		+	3.2	3.8	4.6	2.8
	Z	03.26 59.3	0.8				1.0	0.7		
	A	10.35 34.9	0.8	+			4.4	4.0		
09	H	10.35 35.6	0.9			+	3.4	3.0	4.2	3.2
	Z	10.35 35.0	0.6	-	+	-	1.2	2.2		
	A	11.20 12.9	0.7	+		+	8.7	13.2		
09	H	11.20 13.4	0.9	-			4.3	7.5	2.5	3.8
	Z	11.20 12.6	0.4	-			12.2	4.9		
	A	11.20 15.9	0.6	-	+		9.0	11.8		
09	H	11.20 16.4	0.8				5.6	8.4	2.1	3.7
	Z	11.20 15.6	0.4			-	12.9	13.7		
	A	22.49 07.5	0.6			+	2.2	5.5		
09	H	22.49 07.7	0.6	-		+	4.5	6.7	3.1	2.9
	Z	22.49 07.8	0.7		+	+	0.6	0.9		
	A	22.53 17.1	1.0	-	-	+	1.1	1.4		
09	H	22.53 17.1	0.7				2.2	2.8	3.8	2.5
	Z	22.53 17.4	0.9				0.3	0.3		
	A	08.01 14.1	1.1	+		+	0.7	0.9		
10	H	08.01 14.2	1.1				3.0	1.8	3.8	3.0
	Z	08.01 13.5	0.7			+	0.8	3.4		
	A	09.21 54.6	0.8	+			8.6	4.6		
10	H	09.21 54.6	1.0		+	+	8.2	8.4	4.7	3.7
	Z	09.21 54.2	0.7		+	-	3.5	7.2		
	A	09.30 23.6	0.6	+			6.3	4.0		
10	H	09.30 24.1	0.9			+	3.0	3.2	4.3	2.7
	Z	09.30 24.0	0.8			+	0.2	0.3		
	A	14.06 00.9	0.7							
10	H	14.06 00.8	0.8		+		4.2	2.6	4.3	2.3
	Z	14.06 01.3	1.1				0.4	0.3		
	A	19.33 30.6	1.0							
10	H	19.33 30.5	1.0			-	2.4	1.7	4.9	2.4
	Z	19.33 30.2	0.7			+	0.7	0.8		
	A	22.52 49.9	0.7			+				
10	H	22.52 50.6	1.0		+	+	5.4	7.8	4.5	2.4
	Z	22.52 50.4	0.7		-	+	1.2	0.9		
	A	12.15 35.9	0.8			-				
11	H	12.15 35.7	0.7		+		2.4	5.8	4.1	1.9
	Z	12.15 36.5	1.1				0.2			
	A	00.05 06.6	1.0	-		+	4.8	3.4		
12	H	00.05 06.5	0.8			+	3.8	11.0	5.5	2.8
	Z	00.05 07.3	1.2			-	0.2	0.2		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Jan. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.24 29.1	0.7	+		+	2.0	3.8		
12	H	00.24 29.1	0.7			-	2.6	5.7	3.4	2.9
	Z	00.24 29.2	0.6			-	0.7	1.1		
	A	01.26 53.4	0.8	-	-	-	35.1	19.3		
12	H	01.26 53.9	1.0		+		6.4	7.3	5.5	3.8
	Z	01.26 54.0	1.0			-	1.1	1.3		
	A	18.13 29.9	0.6	-			11.8	6.0		
12	H	18.13 30.1	0.8				2.9	3.1	3.7	2.9
	Z	18.13 30.1	0.8			+	0.5	0.5		
	A	04.32 23.8	0.5				2.9	1.5		
13	H	04.32 24.6	0.9				2.6	2.5	3.4	2.3
	Z	04.32 24.3	0.7				0.3	0.2		
	A	00.08 15.4	0.8		+	+	1.0	0.6		
14	H	00.08 16.1	1.1				1.3	2.7	3.3	2.2
	Z	00.08 15.1	0.5			+	0.5	0.4		
	A	00.12 08.8	0.9	+	+		2.0	1.6		
14	H	00.12 09.6	1.2	-		-	1.8	2.9	2.3	2.5
	Z	00.12 08.8	0.4				0.8	0.3		
	A	00.34 24.1	0.6		+	-	6.2	3.2		
14	H	00.34 25.0	1.1	+		+	4.0	5.7	3.4	2.9
	Z	00.34 24.1	0.6			+	1.7	2.8		
	A	01.42 03.9	0.5				6.7	5.0		
14	H	01.42 04.5	0.9		+	+	3.4	2.0	3.7	2.6
	Z	01.42 04.6	0.8				0.3	0.2		
	A	02.28 54.5	0.6		+		23.3	27.3		
14	H	02.28 55.2	1.0		+	+	2.9	6.0	4.3	3.8
	Z	02.28 54.9	0.7	-		-	1.9	3.0		
	A	08.39 03.3	0.7				1.4	2.0		
14	H	08.39 04.0	0.9			+	2.6	3.8	4.2	3.0
	Z	08.39 03.5	0.7				0.4	0.4		
	A	08.50 33.9	0.6	-	-	+	8.8	4.5		
14	H	08.50 34.4	0.8		-	+	2.2	2.7	4.2	2.8
	Z	08.50 34.4	0.8				0.3	0.2		
	A	09.57 25.4	0.7	+		-	6.9	5.0		
14	H	09.57 25.9	1.0		+	+	5.2	8.0	4.1	3.3
	Z	09.57 26.3	0.6				2.8	1.5		
	A	10.26 44.7	0.8		+	+	4.9	4.7		
14	H	10.26 45.6	0.8				2.2	2.4	4.3	3.2
	Z	10.26 45.3	0.7	-	+	-	1.1	1.7		
	A	12.43 43.1	0.8	+	-	+	3.3	3.0		
14	H	12.43 43.9	1.1	+	+	+	5.2	6.3	3.4	3.1
	Z	12.43 43.3	0.5		+	-	3.2	1.5		
	A	12.54 37.4	0.8	+		-	1.1	0.8		
14	H	12.54 37.8	1.0	-			1.7	2.8	3.7	2.6
	Z	12.54 37.2	0.5		-	+	0.6	1.5		
	A	15.21 19.8	0.6		-	+	2.0	2.0		
14	H	15.21 20.6	0.9	-		+	3.3	3.7	4.3	2.5
	Z	15.21 20.4	0.8			-	0.5	0.5		
	A	15.48 17.8	0.7			+	2.2	3.3		
14	H	15.48 18.5	0.8			+	3.3	4.2	4.0	2.5
	Z	15.48 18.4	0.7				0.4	0.4		
	A	15.57 49.1	0.7	-			34.5	16.2		
14	H	15.57 49.6	1.0		-	+	4.2	5.0	5.0	3.8
	Z	15.57 49.7	1.0	-	+	-	1.4	1.1		
	A	16.00 51.2	0.8	-	+	+	36.5	25.8		
14	H	16.00 51.7	1.0		+	+	8.0	17.6	5.1	3.7
	Z	16.00 51.8	0.8			-	0.9	1.0		
	A	17.06 50.0	0.7	+			8.5	5.9		
14	H	17.06 51.3	1.0		-		2.2	2.4	4.3	3.4
	Z	17.06 50.6	0.6	+	-	+	2.8	1.8		
	A	17.42		+	+	+	3.2	2.0		
14	H	17.42			+	+	3.4	3.5	3.6	3.1
	Z	17.42		-	+	-	3.8	2.5		
	A	01.21 14.4	1.0		-	+	32.0	40.0		
15	H	01.21 13.8	0.6		+	-	41.0	53.0	4.2	4.3
	Z	01.21 14.7	1.2		-	+	4.0	4.5		
	A	06.04 10.2	0.7	+	+	+	14.9	10.4		
15	H	06.04 10.9	1.0		+	+	11.0	12.3	5.0	3.8
	Z	06.04 10.6	0.8	-	+	-	4.4	4.7		
	A	10.05 18.6	0.7	-			5.1	6.5		
15	H	10.05 19.0	0.7				11.2	15.8	2.9	3.5
	Z	10.05 18.8	0.5	-	+	-	8.2	8.2		
	A	11.30 23.6	0.6			+	1.3	3.4		
15	H	11.30 23.8	0.6			+	3.4	5.7	2.7	2.9
	Z	11.30 24.1	0.7			-	0.1	0.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	12.20 57.1	0.7	-	+	+	2.4	1.6		
15	H	12.20 57.6	1.1		-	+	2.3	3.4	3.9	2.8
	Z	12.20 57.2	0.6		+	-	1.3	1.4		
	A	12.56 59.4	0.5	-		+	4.2	4.4		
15	H	12.57 00.0	0.8	-	-	+	3.8	4.0	3.6	2.9
	Z	12.56		-		-	0.4	0.2		
	A	15.31 06.6	0.4	-		+	1.0	0.8		
15	H	15.31 06.2	0.8			+	3.2	3.8	2.6	2.2
	Z	15.31 06.8	0.9				0.6	0.3		
	A	18.34 46.8	0.6	-	+	+	1.2	1.2		
15	H	18.34 47.5	0.9	-		+	3.8	6.0	3.1	2.4
	Z	18.34 46.7	0.5	-	+	-	1.3	1.1		
	A	01.04 06.1	0.6		+	-	1.2	1.2		
16	H	01.04 06.6	0.8				2.4	2.4	3.9	2.0
	Z	01.04 06.8	0.7				0.2	0.2		
	A	01.59 05.4	0.6			-	5.5	4.6		
16	H	01.59 08.8	1.0				2.6	3.2		3.4
	Z	01.59								
	A	02.49 16.3	0.6	+	+	+	14.1	9.0		
16	H	02.49 17.0	0.9		-	+	2.8	5.1	4.4	2.9
	Z	02.49 17.1	0.8	-		-	0.3	0.2		
	A	02.49 23.6	0.9	-		+	28.7	16.4		
16	H	02.49 24.8	1.0				2.4	4.8	5.8	3.5
	Z	02.49 24.8	0.9		+	-	0.6	0.4		
	A	03.20 46.8	0.9				0.4			
16	H	03.20 46.3	0.9			+	2.6	4.4		2.0
	Z	03.20								
	A	05.10 39.5	0.6				2.1	5.8		
16	H	05.10 39.4	0.7		+	+	4.9	3.0	3.1	3.1
	Z	05.10 39.6	0.6	-	+	-	0.9	1.8		
	A	05.14 00.8	0.7		+	+	0.9	1.1		
16	H	05.14 01.1	0.8				2.0	2.8	2.6	2.1
	Z	05.14 00.9	0.5			-	0.4	0.3		
	A	07.54 09.8	0.5			+	1.2	1.8		
16	H	07.54 09.4	0.8		+	+	**	8.5		2.4
	Z									
	A	08.56 17.9	0.6	-			9.6	8.8		
16	H	08.56 18.3	0.7			+	3.4	5.0	3.4	3.0
	Z	08.56 18.2	0.9		+		0.3	0.6		
	A	10.12 03.1	0.5	+	+		8.5	3.9		
16	H	10.12 03.6	0.9			+	3.6	4.8	3.3	2.6
	Z	10.12 03.5	0.8			-	0.2	0.3		
	A	10.20 58.2	1.0	+		-	0.4	1.0		
16	H	10.20 57.4	0.5				2.3	5.4		2.7
	Z	10.20								
	A	10.22 53.2	0.5	+	+	-	4.8	2.8		
16	H	10.22 53.9	0.8	+			2.6	2.8		3.1
	Z	10.22								
	A	12.12 41.2	1.2							
16	H	12.12 40.9	0.8			+	2.7	4.4	6.0	2.9
	Z	12.12 41.5	1.2				0.1	0.1		
	A	12.46 16.4	0.6				8.5	3.8		
16	H	12.46 16.4	0.8			+	1.4	2.4	3.8	2.4
	Z	12.46 16.9	0.8					0.1		
	A	13.23 35.6	0.7	-		+	1.7	1.8		
16	H	13.23 35.9	0.9			+	3.4	5.0	4.7	2.5
	Z	13.23 35.6	0.8				0.5	0.2		
	A	17.51 59.3	0.7	-		+	4.5	2.9		
16	H	17.51 59.9	0.9		+	+	1.3	3.0	4.9	2.6
	Z	17.52 00.0	1.0			-	0.2	0.2		
	A	17.53 11.0	1.3		+	+	0.6	0.6		
16	H	17.53 10.5	0.7		-	+	3.3	6.2		2.7
	Z	17.53								
	A	18.29 28.1	1.0	+	-	+	2.1	1.3		
16	H	18.29 27.9	1.0			+	6.4	5.0		3.1
	Z	18.29								
	A	18.29 32.8	1.0	-	-		5.1	2.5		
16	H	18.29 32.7	1.1				3.7	2.5		3.7
	Z	18.29								
	A	21.21 37.8	0.6			+	3.8	5.2		
16	H	21.21 38.4	0.8				1.9	4.2	2.7	2.7
	Z	21.21 37.7	0.5	-	+	-	1.0	0.8		
	A	22.19 21.6	1.0			-	2.4	3.5		
16	H	22.19 21.1	0.6			+	6.1	10.2	4.2	2.9
	Z	22.19 22.0	1.1			-	0.1	0.1		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
17	A	02.33 49.1	0.9			-	2.3	3.7		
	H	02.33 48.9	0.7			+	1.8	2.9		3.4
	Z	02.33								
17	A	03.57 11.6	0.8			-				
	H	03.57 11.8	0.6			+	2.0	5.4		2.9
	Z	03.57								
17	A	07.48 21.7	0.9			+				
	H	07.48 21.6	0.6			-	2.0	2.9		2.5
	Z	07.48								
17	A	08.12 35.5	0.7			+				
	H	08.12 35.7	0.8			-	3.0	2.3	3.1	2.4
	Z	08.12 35.4	0.5			-	1.2	0.6		
17	A	09.12 05.8	1.0							
	H	09.12 05.8	0.6							2.6
	Z	09.12								
17	A	10.29 04.4	0.5			+				
	H	10.29 04.7	0.6	-		-	2.6	4.6	1.9	2.2
	Z	10.29 04.8	0.6	-		-	2.5	0.8		
17	A	12.23 02.4	0.7		+		8.4	9.8		
	H	12.23 03.4	1.1				2.9	5.0	4.3	3.4
	Z	12.23 02.9	0.7		-	+	2.0	1.9		
17	A	14.30 57.3	0.8				2.7	2.2		
	H	14.30 58.3	1.1		-		3.1	4.5	3.8	3.2
	Z	14.30	0.5			+	4.6	2.2		
17	A	15.51 39.5	0.6		+	-	12.8	10.8		
	H	15.51 40.4	1.0	+	+	+	9.0	15.6	3.8	3.7
	Z	15.51 40.0	0.7	-	+	-	3.4	5.4		
17	A	16.27 55.6	0.6	+	+		7.3	11.8		
	H	16.27 56.3	0.9		+	+	2.2	3.4	4.3	3.2
	Z	16.27 56.2	0.8	-	+	-	1.1	1.1		
17	A	21.31 03.2	1.1	-		+	1.0	1.0		
	H	21.31 02.1	0.6		-	-	1.8	5.0		2.8
	Z	21.31								
17	A	23.02 06.0	0.7	-			6.7	3.5		
	H	23.02 06.5	0.9			+	1.6	3.1		3.5
	Z	23.02								
17	A	23.57 36.5	1.0	+	+		4.1	2.0		
	H	23.57 36.9	0.7			+	3.6	3.4	4.8	2.8
	Z	23.57 37.7	1.1				0.3	0.2		
18	A	00.15 49.1	0.9			-	0.4	0.7		
	H	00.15 48.5	0.6			+	2.5	5.0		2.5
	Z	00.15								
18	A	00.20 37.3	0.9			+	0.3	0.8		
	H	00.20 36.5	0.4			+	2.6	3.8		2.6
	Z									
18	A	02.58 08.6	1.0	-	-		5.4	5.6		
	H	02.58 08.2	0.6				2.6	3.4	4.1	2.8
	Z	02.58 08.8	1.0			-	0.2	0.2		
18	A	03.17 12.4	0.6		-	-	2.3	2.7		
	H	03.17 13.0	1.0			-	3.5	5.9	3.9	2.7
	Z	03.17 12.6	0.7		-	+	0.4	0.8		
18	A	04.19 26.4	0.7			+	8.9	8.1		
	H	04.19 27.2	1.1	-	-	+	4.4	7.5	4.6	3.2
	Z	04.19 26.8	0.7	+	-	+	1.3	0.9		
18	A	04.26 51.2	0.9			-	1.5	1.3		
	H	04.26 52.5	1.1			+	1.9	3.2	5.3	2.4
	Z	04.26 52.2	0.7			+	0.4	0.4		
18	A	11.18 24.3	0.7	+		+	6.2	3.5		
	H	11.18 24.5	0.9	-		+	6.4	5.8	3.3	3.3
	Z	11.18 24.0	0.5	-	+	-	4.6	2.6		
18	A	12.39 25.6	1.1	-	-	+	5.8	3.8		
	H	12.39 25.5	0.9				11.3	12.6	4.6	3.2
	Z	12.39 26.0	0.9	-			0.7	1.0		
18	A	13.18 56.6	1.1	+	+	+	0.3	0.3		
	H	13.18 56.0	0.7				3.1	2.7		2.1
	Z	13.18								
18	A	16.46 25.7	1.1		-	+	1.2	1.0		
	H	16.46 25.4	1.1	-		-	3.9	2.3	3.8	3.0
	Z	16.46 25.0	0.6			+	3.1	2.4		
18	A	17.16 15.9	0.9	+	-	+	5.4	5.0		
	H	17.16 16.0	0.9	-		-	13.4	14.0	3.4	3.6
	Z	17.16 15.6	0.5	+		-	9.0	10.4		
18	A	17.47 20.0	0.4			+	9.2	10.6		
	H	17.47 20.7	0.9	+		+	5.7	8.0	2.1	2.8
	Z	17.47 20.4	0.5	-		-	0.4	1.8		
18	A	17.52 00.0	0.6		+		6.9	6.0		
	H	17.52 00.9	1.0				3.5	4.5	3.6	3.1
	Z	17.52 00.5	0.6				1.9	0.6		
18	A	17.58 47.55	0.6		-		33.6	8.7		
	H	17.58 47.9	0.8		+	+	1.0	3.0		4.5
	Z	17.58								
18	A	18.10 48.2	0.5			+	1.0	1.1		
	H	18.10 48.1	0.8		-	-	2.7	3.8	2.3	2.6
	Z	18.10 47.8	0.4	-		-	3.3	1.5		
18	A	18.25 20.4	0.8		+	+	4.4	5.4		
	H	18.25 20.3	0.9	-		-	6.5	8.1	3.5	3.5
	Z	18.25 19.9	0.5	-		-	6.8	6.0		
18	A	22.31 08.1	0.9				6.2	3.0		
	H	22.31 08.3	1.0				8.6	7.0	2.8	3.3
	Z	22.31 07.8	0.4				3.2	2.2		
18	A	22.32 46.6	0.9	+			2.2	1.6		
	H	22.32 46.7	1.0				6.5	6.9	3.2	3.0
	Z	22.32 46.2	0.5				2.8	1.7		
19	A	04.05 30.9	0.8			-		0.2		
	H	04.05 29.9	0.3			-	3.2	2.4		1.6
	Z	04.05								
19	A	06.43 56.2	0.5				16.8	8.1		
	H	06.43 57.0	0.9	+	+	+	6.0	3.8		3.9
	Z	06.43								
19	A	09.31 03.7	0.5				2.5	1.2		
	H	09.31 04.0	1.0				2.0	3.6	2.7	
	Z	09.31								
19	A	12.26 00.0	0.8	-		+	1.0	1.2		
	H	12.26 00.1	0.9				3.5	4.9	3.4	2.7
	Z	12.25 59.7	0.5		+		1.5	1.9		
19	A	19.11 35.8	0.7	-	+		2.4	2.6		
	H	19.11 36.1	0.9			+	4.2	5.2	3.8	2.8
	Z	19.11 36.0	0.6			-	1.5	0.7		
19	A	19.14 40.5	0.7		+	+	0.8	0.7		
	H	19.14 40.8	0.9	-	-	+	1.5	2.4	4.0	2.0
	Z	19.14 40.6	0.6				0.3	0.2		
20	A	03.09 31.8	0.7	-	+	+	3.0	2.0		
	H	03.09 32.1	0.8				3.0	3.7	4.4	2.6
	Z	03.09 32.1	0.7				0.4	0.5		
20	A	10.24 42.0	0.5	+			7.2	5.0		
	H	10.24 42.2	0.9	+		+	6.4	6.7	3.8	2.9
	Z	10.24	0.8	-			0.6	0.7		
20	A	12.50 51.6	0.8			-	3.9	3.0		
	H	12.50 52.0	1.2		-	-	7.8	8.4	2.6	3.1
	Z	12.50 51.9	0.4	-	-	+	3.9	3.6		
20	A	14.03 06.6	0.7	-		-	1.6	1.5		
	H	14.03 06.8	0.8				3.1	3.1	2.7	2.2
	Z	14.03 06.4	0.5			-	0.3	0.4		
20	A	15.32 18.8	0.8	+	+		3.8	3.9		
	H	15.32 18.6	0.6				3.2	2.8	4.1	2.7
	Z	15.32 19.1	1.0			-	0.3	0.2		
20	A	15.34 34.6	0.6	+		-	3.0	3.1		
	H	15.34 34.4	1.1			+	6.4	8.3	4.0	2.8
	Z	15.34 34.4	0.7			+	0.8	1.1		
20	A	17.48 31.2	0.6	+		+	2.2	2.5		
	H	17.48 31.2	0.9		+	+	3.4	2.2	4.2	2.5
	Z	17.48 31.3	1.0			+	0.3	0.3		
20	A	23.58 56.7	1.0	-	-		9.2	5.2		
	H	23.58 56.3	0.8	-	+	+	11.1	13.8	5.6	3.5
	Z	23.58 57.1	1.0		-	-	1.2	0.7		
21	A	02.35 12.3	0.7	+			2.4	2.0		
	H	02.35 12.8	1.0				2.6	3.2	3.3	2.8
	Z	02.35 11.9	0.5				1.6	1.3		
21	A	05.36 48.2	0.6		+	+	0.7	0.8		
	H	05.36 48.4	0.8			-	1.6	2.4	2.1	2.0
	Z	05.36 48.1	0.4		+	-	0.4	0.6		
21	A	06.58 55.9	0.6	+			1.1	1.5		
	H	06.58 56.2	0.8				1.9	2.8	3.6	2.0
	Z	06.58 56.3	0.6			-	0.2	0.2		
21	A	13.09 14.6	0.5	+		+	5.2	3.4		
	H	13.09 14.9	0.8				1.7	3.2	2.0	2.6
	Z	13.09 14.6	0.4	-	+	-	0.7	1.0		
21	A	14.51 25.1	0.8	+	-	+	2.6	2.1		
	H	14.51 25.2	0.9		-	-	8.2	6.0	1.7	3.3
	Z	14.51 24.6	0.4				10.0	8.6		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Jan. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
21	A	15.56 54.2	0.7			+	2.0	2.0		
	H	15.56 54.4	0.8		+		3.0	2.6	2.0	2.7
	Z	15.56 53.9	0.3			-	3.0	1.6		
22	A	01.56 00.0	1.0	+		+	15.5	21.7		
	H	01.55 59.6	0.7		+		12.1	12.6	4.0	3.4
	Z	01.56 00.9	0.8			-	1.6	1.6		
22	A	03.17 28.8	0.5	+			17.8	8.2		
	H	03.17 29.6	0.9		+	+	4.9	4.0	3.6	3.2
	Z	03.17 29.0	0.7	-	+	-	0.6	0.7		
22	A	03.58 45.9	0.8		+		2.1	1.8		
	H	03.58 46.5	1.0			-	3.7	3.2	2.4	3.0
	Z	03.58 45.8	0.4	+	-	+	2.9	4.5		
22	A	09.35 25.0	0.9		+	-	1.6	1.2		
	H	09.35 25.5	1.0				2.5	1.8	4.7	2.5
	Z	09.35 24.7	0.7				0.5	0.6		
22	A	14.10 01.1	0.7	+	-	-	8.5	4.5		
	H	14.10 01.4	1.0		+	+	6.4	3.1	5.2	3.1
	Z	14.10 01.6	1.0				0.3	0.5		
22	A	17.52 27.4	0.6	+	-	+	0.8	1.3		
	H	17.52 27.4	0.8	+	+		3.8	5.0	2.8	2.1
	Z	17.52 27.4	0.5				0.5	0.4		
22	A	22.03 49.9	0.5			+	8.1	3.0		
	H	22.03 50.4	0.9			+	2.3	3.4	3.8	2.8
	Z	22.03 50.4	0.8			-	0.2	0.5		
22	A	22.16 22.9	0.8		+	-	2.1	1.4		
	H	22.16 23.4	1.1	+		+	2.0	3.7	4.5	3.0
	Z	22.16 22.6	0.6			+	2.5	1.5		
23	A	06.46 51.2	0.8				1.1	1.0		
	H	06.46 51.4	0.9				3.1	2.4	4.5	2.4
	Z	06.46 51.0	0.6			-	0.6	0.4		
23	A	06.55	0.8	-		-	0.7	0.4		
	H	06.55 12.7	0.9	+	+	+	5.8	3.2	5.1	2.5
	Z	06.55 12.5	0.8	-	+	-	0.7	0.9		
23	A	11.57 34.8	0.6	+		+	12.4	14.2		
	H	11.57 35.3	1.0	+	+	+	3.9	9.0	4.3	3.3
	Z	11.57 35.2	0.7	-		-	1.1	1.1		
23	A	11.58 12.4	0.6	+	+		6.0	6.4		
	H	11.58 12.7	1.1		-	+	2.1	3.2	4.1	2.8
	Z	11.58 12.7	0.8			-	0.5	0.4		
23	A	12.07 01.3	0.6	-	+	+	38.0	17.2		
	H	12.07 02.1	1.0		+	+	4.1	2.4	4.1	3.7
	Z	12.07 01.9	0.8		+	-	1.8	1.1		
23	A	12.24 51.7	0.8	+		+	2.2	5.4		
	H	12.24 51.4	0.6	+			8.0	8.9	3.8	2.9
	Z	12.24 52.0	0.8		+	-	0.3	0.6		
23	A	20.15 57.9	0.6	-	+	+	64.0	50.0		
	H	20.15 58.8	1.2	-	+	+	29.0	30.0	2.9	4.6
	Z	20.15 58.1	0.5	+	-	+	24.0	23.0		
23	A	20.17 31.5	0.8	-		+	4.8	6.8		
	H	20.17 32.9	1.3			+	3.0	3.6	2.7	3.1
	Z	20.17 31.7	0.6		-	+	1.3	1.4		
23	A	20.34 33.9	0.9		+		4.8	2.9		
	H	20.34 34.6	1.1					4.1	4.5	3.2
	Z	20.34 33.9	0.6		-	+	1.6	1.9		
23	A	20.46 45.7	0.7	-		+	4.4	3.3		
	H	20.46 47.3	0.4				2.3	3.2	2.3	2.9
	Z	20.46 45.9	0.8				0.7	0.4		
23	A	20.57 31.4	0.7			-	4.6	4.4		
	H	20.57 32.4	1.3		+	+	2.0	3.4	0.8	3.0
	Z	20.57 31.3	0.5		-	+	2.0	2.1		
23	A	21.17 03.1	0.6				3.7	4.5		
	H	21.17 03.6	1.2			+	2.4	4.8	1.3	3.0
	Z	21.17 02.7	0.5		-	+	1.8	2.3		
23	A	22.42 58.1	0.5	+	-	+	1.6	1.7		
	H	22.42 58.7	0.9			+	3.6	5.1	2.9	2.5
	Z	22.42 58.4	0.5				1.0	1.6		
24	A	00.54 18.8	0.8	-	+	-	17.0	15.2		
	H	00.54 19.2	1.2	-	-	-	7.0	14.8	2.1	4.0
	Z	00.54 18.5	0.4	-	-	+	13.9	17.7		
24	A	06.06 28.7	1.0	+		+	3.0	3.5		
	H	06.06 28.4	0.7			+	8.0	8.0	4.4	3.9
	Z	06.06 29.0	0.9			-	1.4	0.9		
24	A	21.29 22.5	0.7		-	+	9.6	6.9		
	H	21.29 22.5	0.8		+	+	5.3	11.0	4.5	3.1
	Z	21.29 23.0	1.0				0.4	0.5		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
25	A	00.44 32.8	0.6	-			2.0	2.0		
	H	00.44 33.3	0.7	+		+	2.6	3.9	3.4	2.[illegible]
	Z	00.44 33.2	0.6		+	-	0.5	0.6		
25	A	01.06 32.0	1.0				4.2	3.8		
	H	01.06 32.5	1.0			+	3.3	4.8	3.7	3.[illegible]
	Z	01.06 31.6	0.6			+	1.8	2.5		
25	A	06.41 24.2	0.7	-			38.0			
	H	06.41 24.9	1.2	+	+	+	10.0	7.3	4.8	4.[illegible]
	Z	06.41 24.5	0.9	-	+	-	7.8	6.0		
25	A	09.02 46.2	0.5			+	2.4			
	H	09.02 47.4	1.0			-	3.8	4.2	3.3	2.[illegible]
	Z	09.02 46.6	0.6				2.2	0.8		
25	A	12.09 45.1	0.9			+	24.0			
	H	12.09 45.8	1.0	+	+	+	5.1	4.8	5.3	4.[illegible]
	Z	12.09 45.6	0.8	-	+	-	2.8	3.4		
25	A	12.26 12.4	1.1	+	-	+	4.7	2.0		
	H	12.26 12.2	1.1	-	+	+	10.2	7.5	7.3	3.[illegible]
	Z	12.26 12.7	1.2				0.6	0.4		
25	A	15.24 48.8	0.6							
	H	15.24 49.0	0.9	-			3.4	4.6	4.1	1.[illegible]
	Z	15.24 49.0	0.7			-	0.3	0.4		
25	A	19.20 19.9	0.7			+				
	H	19.20 20.3	0.9	+	+	+	8.0	8.3	4.8	3.[illegible]
	Z	19.20 20.3	0.8			-	3.8	1.6		
26	A	00.54 54.9	0.7							
	H	00.54 55.3	0.9			+	2.1	2.4	4.3	2.[illegible]
	Z	00.54 55.8	0.7			+	0.5	0.5		
26	A	01.51 53.1	0.8			+				
	H	01.51 53.4	0.9			+	2.8	2.7	4 9	2.[illegible]
	Z	01.51 53.4	0.9		+	-	0.9	0.8		
26	A	01.52 10.0	0.6			+				
	H	01.52 10.3	1.0			+	2.6	3.2	4.1	3.4
	Z	01.52 10.5	0.9	-	+	-	0.4	0.4		
26	A	04.36	0.7			-				
	H	04.36 33.5	0.9				3.2	2.6	4.6	2.7
	Z	04.36 33.6	0.9	-	+	-	1.0	0.4		
26	A	04.39 46.2	0.7							
	H	04.39 46.9	0.9	+		+	4.1	6.4	4.6	2.5
	Z	04.39 46.7	0.9	-	+	-	0.5	0.7		
26	A	06.37 17.6	0.9			-				
	H	06.37 18.6	1.2				1.7	1.8	5.6	3.0
	Z	06.37 17.6	0.8		+	+	2.3	1.7		
26	A	08.13 30.2	0.5			+				
	H	08.13 30.4	0.9			+	2.8	3.9	3.5	2.0
	Z	08.13 30.4	0.7			-	0.3	0.5		
26	A	08.56 12.9	0.8			-				
	H	08.56 13.5	1.1		-	+	0.6	2.0	3.4	2.2
	Z	08.56 12.6	0.5		+	+	1.1	0.7		
26	A	12.27 43.9	0.6	-			14.0	12.5		
	H	12.27 44.3	1.0			+	2.2	2.4	4.5	3.2
	Z	12.27 44.1	0.9	-	+	-	0.7	0.4		
26	A	12.46 18.9	0.6	+	-	-	9.6	10.8		
	H	12.46 19.1	0.9	+	+	+	8.2	9.6	2.9	3.3
	Z	12.46 19.0	0.5		+	-	2.7	1.2		
26	A	16.03 47.1	0.7	+		+	1.0	0.7		
	H	16.03 47.0	0.8	-	-	-	2.0	3.0	2.4	2.3
	Z	16.03 46.8	0.4		+	-	0.9	1.1		
27	A	19.23 29.1	0.6	+			12.1	6.6		
	H	19.23 29.8	1.0		-	+	10.0	15.0	4.1	3.3
	Z	19.23 29.4	0.7	+	-	+	1.2	1.6		
27	A	06.29 59.4	0.6		+		3.2			
	H	06.29 59.6	1.0	-	-	-	8.8	4.3	2.5	3.3
	Z	06.29 59.1	0.4				13.6	7.0		
27	A	07.09 27.7	1.0	-			3.9			
	H	07.09 28.2	1.3		+	+	2.6	2.0	4.7	3.1
	Z	07.09 27.4	0.7		+	+	1.2	0.8		
27	A	10.02 26.2	0.5	+		+	13.8			
	H	10.02 26.8	1.1			+	3.4	3.8	3.5	3.2
	Z	10.02 26.6	0.7		+	+	1.0	0.5		
27	A	12.44 38.5	0.4	-			11.0	8.4		
	H	12.44 39.1	0.9				7.0	7.3	2.9	2.8
	Z	12.44 39.2	0.7				0.3	0.5		
27	A	13.24 00.0	0.5				5.2	5.2		
	H	13.24 00.5	1.0				3.6	4.8	2.1	2.9
	Z	13.23 59.9	0.4	-	+	-	1.9	2.2		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Jan. 1966 - Feb. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.09 08.8	0.6		+		5.6	1.6		
27	H	14.09 09.3	0.9		-	-	3.3	4.2	3.0	2.8
	Z	14.09 08.8	0.5	+	+	-	0.8	1.0		
	A	15.13 02.9	0.9	+	+		1.7	1.0		
27	H	15.13 03.9	0.9				1.7	2.8	4.1	2.8
	Z	15.13 02.9	0.6				0.8	1.2		
	A	15.25 16.1	0.6	+		-	1.7	1.3		
27	H	15.25 16.3	0.9		+	+	2.3	2.4	4.3	2.3
	Z	15.25 16.6	0.8			-	0.3	0.3		
	A	18.41 26.8	0.8				5.4	2.5		
27	H	18.41 26.5	0.6				3.9	6.6	4.2	3.0
	Z	18.41 27.5	1.1				0.2	0.4		
	A	22.02 28.5	0.6	-	-		2.4	2.6		
27	H	22.02 28.9	0.8				1.6	3.0	3.7	2.3
	Z	22.02 28.9	0.6				2.2	0.3		
	A	02.01 49.8	0.6	-			15.2	9.0		
28	H	02.01 50.3	1.0	+	+	+	9.1	8.8	4.1	3.7
	Z	02.01 50.6		-	+	-	2.8	5.0		
	A	03.42 23.3	0.9		+	-	1.4	0.8		
28	H	03.42 23.6	1.1				2.4	2.2	4.2	2.6
	Z	03.42 23.1	0.6				0.5	1.1		
	A	03.47 26.5	0.8	+		-	2.4	1.5		
28	H	03.47 27.0	1.2			+	1.6	2.2	4.5	2.8
	Z	03.47 26.7	0.7				0.9	0.5		
	A	05.24 27.7	0.5	-			2.0	1.0		
28	H	05.24 28.2	0.8			+	4.2	6.6	3.3	2.3
	Z	05.24 28.0	0.6				0.5	0.6		
	A	13.39 52.3	0.9	-	-	+	1.2	2.6		
28	H	13.39 52.3	0.9	-	-	-	3.3	2.9	1.9	3.0
	Z	13.39 51.9	0.4				3.0	2.3		
	A	17.53 55.0	0.5	+			4.6	5.8		
28	H	17.53 55.4	1.0			+	2.1	2.1	3.5	3.0
	Z	17.53 55.5	0.7		+	-	1.0	1.3		
	A	18.14 53.6	0.9		+	-	2.2	1.8		
28	H	18.14 54.0	1.1			-	3.0	2.9	3.6	2.7
	Z	18.14 53.5	0.5			+	1.0	1.1		
	A	00.36 09,6	0.9			+	0.6			
29	H	00.36 09.3	1.0			-	3.5	4.7	3.6	2.0
	Z	00.36 09.3	0.5				0.2	0.4		
	A	06.50 56.0	0.7	-		-	31.5	36.0		
29	H	06.50 56.4	0.9	+		+	9.6	9.4	3.9	3.5
	Z	06.50 56.4	0.6	-	+	-	1.1	1.1		
	A	06.59 34.1	0.7			+	3.0	2.1		
29	H	06.59 34.8	1.1				3.2	4.8	3.1	3.2
	Z	06.59 34.3	0.5		+		3.4	6.9		
	A	16.20 04.4	0.9	+		-	2.6	1.8		
29	H	16.20 05.3	1.0				1.4	2.6	3.3	2.7
	Z	16.20 04.3	0.5				0.9	0.6		
	A	16.39 07.6	0.9	+	+	-	4.7	2.3		
29	H	16.39 08.5	1.1	-		-	2.0	4.7	3.3	3.0
	Z	16.39 07.5	0.5		+	+	1.0	1.5		
	A	20.26	0.5		+		5.0	2.6		
29	H	20.26 49.4	0.9	+	+	+	2.9	3.4	3.7	2.7
	Z	20.26 49.2	0.8		+	-	0.2	0.5		
	A	00.11 52.9	0.7			-	8.5	7.0		
30	H	00.11 53.4	1.0	+	+	+	11.0	14.8	3.3	3.5
	Z	00.11 52.9	0.5	+	+	-	7.0	4.8		
	A	02.43 18.4	0.8	+	+	+	0.8	1.2		
30	H	02.43 18.8	0.9			+	1.6	1.9	4.1	2.2
	Z	02.43 18.6	0.6			-	0.4	0.3		
	A	06.57 00.3	1.1	+		+	1.0	1.3		
30	H	06.57 01.0	1.0				2.2	3.0	2.9	2.6
	Z	06.56 59.8	0.7			+	0.6	0.5		
	A	17.06 05.8	0.5	+	+	-	1.9	1.8		
30	H	17.06 06.3	0.9	+	+	+	6.4	11.5	3.2	2.6
	Z	17.06 06.1	0.6		+	-	1.0	1.5		
	A	03.02 54.5	0.6	+	-		5.4	4.0		
31	H	03.02 55.7	0.8			-	3.4	6.0	3.6	2.9
	Z	03.02 55.2	0.8		-	+	0.6	0.7		
	A	04.48	1.0	+	-	+	7.2	7.6		
31	H	04.48 35.2	1.0		+	+	7.9	9.6	6.8	3.4
	Z	04.48 36.0	1.2				0.8	0.6		
	A	07.24 15.2	0.7			-	4.2	3.4		
31	H	07.24 15.7	1.0	+	-	+	6.3	6.9	3.2	3.2
	Z	07.24 15.1	0.5		-	-	4.8	5.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	09.50 07.2	0.7	-	-		27.8	26.5		
31	H	09.50 07.6	1.1	+	+	+	4.3	4.0	4.8	3.7
	Z	09.50 08.0	0.8		+	-	1.2	1.6		
	A	09.50 14.2	0.5			+	9.8	5.3		
31	H	09.50 14.3	1.0			+	3.4	3.8	3.6	2.9
	Z	09.50 14.9	0.9				0.4	0.3		
	A	17.36 01.3	0.5	-			11.6	13.5		
31	H	17.36 02.5	0.9	-	-	+	2.6	5.3	2.0	3.3
	Z	17.36 02.0	0.4	-	+	-	1.9	3.8		

1966 February

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.55 47.0	0.8	-		+	3.0	3.0		
01	H	02.55 48.0	0.9			-	4.3	7.6	3.4	3.2
	Z	02.55 47.4	0.5			-	3.8	2.4		
	A	08.26 11.6	0.7	-		-	1.4	1.1		
01	H	08.26 12.5	1.0			+	1.2	2.2	3.4	2.6
	Z	08.26 11.8	0.5			+	1.0	1.6		
	A	10.29 44.4	0.6	-			6.2	7.5		
01	H	10.29 44.4	1.1			+	5.6	7.8	3.8	3.0
	Z	10.29 43.8	0.7		-	+	0.8	0.7		
	A	15.31 43.6	0.8	-		+	0.8	0.6		
01	H	15.31 43.9	0.8		-	-	3.3	2.5	1.8	2.8
	Z	15.31 43.0	0.4			+	6.0	2.8		
	A	19.55 43.2	0.5	+		-	5.5	3.9		
01	H	19.55 43.9	0.7				1.0	2.2	2.3	2.7
	Z	19.55 43.0	0.5	-	+	-	0.6	1.0		
	A	19.57 02.3	0.5	-	+	-	6.3	5.6		
01	H	19.57	0.8	-		+	2.7	4.8	2.2	2.8
	Z	19.57 02.2	0.4	-	+	-	1.2	1.1		
	A	01.34 10.7	0.7	+			14.8	13.9		
02	H	01.34 11.2	0.8			+	6.2	9.8	4.2	3.4
	Z	01.34 11.3	0.8		+	-	0.6	1.2		
	A	12.26 07.2	0.8	+			30.1	19.2		
02	H	12.26 08.3	1.1		+		5.3	7.0	4.9	3.8
	Z	12.26 07.6	0.7	+	-	+	1.9	2.0		
	A	12.27 21.6	0.6		-		10.8	9.4		
02	H	12.27 22.8	1.1				2.8	3.8	3.9	3.0
	Z	12.27 21.9	0.7			+	0.6	0.6		
	A	12.41 11.5	0.9			+	4.5	6.3		
02	H	12.41 11.4	0.6	-	-	+	7.3	12.8	4.6	3.2
	Z	12.41 11.9	1.1			-	0.7	0.5		
	A	00.46	0.6	-			34.1	14.0		
03	H	00.46 05.7	0.9				2.3	2.2	2.7	3.9
	Z	00.46 05.6	0.4				2.0	1.2		
	A	12.00 08.2	0.8	-			19.4	33.6		
03	H	12.00 08.8	0.8	+		+	10.4	8.2	4.8	3.7
	Z	12.00 08.4	0.8	-	+	-	1.2	0.6		
	A	13.49 37.8	1.4		+		3.2	4.8		
03	H	13.49 38.4	1.6	+		+	4.3	5.5	9.0	3.6
	Z	13.49 37.4	1.2				2.0	1.4		
	A	03.08 05.4	0.6				12.0	11.8		
04	H	03.08 06.2	1.0			+	8.0	11.0	4.4	3.2
	Z	03.08 05.9	0.8			+	0.9	0.9		
	A	03.10 40.7	0.5	+			7.6	5.6		
04	H	03.10 41.7	0.9			+	3.2	5.0	3.7	2.8
	Z	03.10 41.3	0.8	-	+	-	0.5	0.4		
	A	17.49 07.7	0.9	+	+	-	4.5	2.6		
04	H	17.49 08.5	1.1				4.7	3.4	3.3	3.2
	Z	17.49 06.1	0.5				1.6	2.8		
	A	22.43 28.1	0.6	+		+	2.9	3.3		
04	H	22.43 28.9	0.9			+	6.0	7.8	3.8	2.8
	Z	22.43 28.4	0.6			-	0.6	1.0		
	A	05.00 18.9	0.7		-		24.4	24.4		
05	H	05.00 18.0	0.9		+	+	7.6	9.6	4.9	3.8
	Z	05.00 19.5	0.9	-	+	-	2.6	1.8		
	A	14.40 51.1	0.5		+	+	3.6	2.8		
05	H	14.40 51.8	0.8			+	2.0	2.7	2.6	2.8
	Z	14.40 53.6	0.5	-	+	-	1.8	2.2		
	A	14.49 44.6	0.5			-	4.4	2.8		
05	H	14.49 45.4	0.8				2.5	3.3	3.3	2.6
	Z	14.49 44.6	0.7			+	0.6	0.4		

Feb. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	15.57 07.0	0.6	+		+	2.3	2.1		
05	H	15.57 07.2	0.8		-	-	6.4	5.4	2.8	2.6
	Z	15.57 06.7	0.5			-	1.2	1.0		
	A	08.44 15.7	0.7	+		-	5.4	2.8		
06	H	08.44 16.4	0.9		+	+	4.8	5.3	2.9	2.7
	Z	08.44 15.9	0.5	-	+	-	0.8	0.8		
	A	04.05 14.3	0.4	+	-		50.0	49.0		
07	H	04.05 15.0	1.0	+	+	+	37.0	34.5	1.5	4.4
	Z	04.05 14.3	0.5		-	+	27.0	31.0		
	A	04.07 25.8	0.7	+	-	+	5.6	8.2		
07	H	04.07 26.6	1.0			+	2.3	3.8	4.6	3.1
	Z	04.07 26.2	0.7	-	+	-	0.8	0.7		
	A	04.09 37.1	0.5	-	+	-	12.8	3.8		
07	H	04.09 37.8	0.8			+	4.3	3.0	3.3	2.7
	Z	04.09 37.8	0.7				0.2	0.3		
	A	04.16 23.0	1.0	+	-	+	5.1	6.0		
07	H	04.16 23.6	1.1			+	8.2	13.8	2.1	3.5
	Z	04.16 22.6	0.5	-	+	-	5.3	4.6		
	A	04.34 03.4	0.4		-	-	8.9	7.8		
07	H	04.34 04.1	0.9		+		3.6	2.8	2.9	2.7
	Z	04.34 03.7	0.7	-	+	-	0.5	0.5		
	A	04.39 20.2	0.7				3.6	4.6		
07	H	04.39 20.8	0.9	+		-	4.0	5.8	3.7	3.0
	Z	04.39 20.2	0.6	-			1.0	1.9		
	A	04.47 37.7	0.5	+	-	+	10.5	11.8		
07	H	04.47 38.6	0.8			+	3.4	3.4	3.3	3.2
	Z	04.47 38.1	0.6	-	+		0.6	1.2		
	A	05.52 02.3	1.2		-	+	4.3	4.4		
07	H	05.52 02.6	1.3	-	+		3.6	3.7	3.8	3.4
	Z	05.52 01.6	0.7			+	2.8	2.2		
	A	11.47 45.2	1.1		-	+	4.6	4.1		
07	H	11.47 45.4	1.3				3.3	3.4	3.6	3.5
	Z	11.47 44.4	0.6		+	+	4.1	3.6		
	A	13.13 40.0	1.1			-	2.6	3.0		
07	H	13.13 40.4	1.2			-	3.0	2.6	5.0	3.4
	Z	13.13 39.1	0.6			+	3.6			
	A	14.14 30.0	0.8	+			2.8	2.7		
07	H	14.14 30.4	0.9	-	-	+	6.0	7.1	4.1	3.0
	Z	14.14 29.7	0.6	-		-	2.3	1.3		
	A	15.05 23.7	0.6			+	10.2	27.7		
07	H	15.05 24.2	0.8		+	+	7.3	10.1	4.0	3.5
	Z	15.05 23.9	0.8	-	+	-	0.9	0.4		
	A	17.39 04.4	0.8		-	+		7.6		
07	H	17.39 05.1	0.9		+	+	2.8	4.4		3.5
	Z	17.39 04.7	0.8				0.4	0.3		
	A	04.59 26.8	0.9		-	+		0.8		
08	H	04.59 26.9	0.6			-	3.0	4.8	5.0	2.9
	Z	04.59 27.1	0.8				0.3	0.2		
	A	14.39 26.4	0.5	+		+	9.2	11.4		
08	H	14.39 27.3	1.1			+	6.8	8.0	3.5	3.3
	Z	14.39 26.8	0.7			+	1.4	1.9		
	A	16.42 51.5	1.3			+	2.3	2.4		
08	H	16.42 52.2	1.5				2.6	4.3	8.9	3.1
	Z	16.42 51.5	1.2				0.9	0.6		
	A	04.10 11.9	1.0	+	-	-	9.3	6.2		
09	H	04.10 12.3	1.0	-	+	+	10.2	4.4	6.6	3.3
	Z	04.10 12.4	1.0				0.6	0.8		
	A	11.28 43.5	1.2		-		6.1	4.8		
09	H	11.28 44.4	1.3			+	2.6	3.2	4.8	3.2
	Z	11.28 43.5	0.8				0.8	0.8		
	A	11.09 15.7	1.5	+			4.0	6.4		
10	H	11.09 16.3	1.7	+	-	+	4.5	5.1	8.7	3.9
	Z	11.09	1.2			+	3.9	2.0		
	A	15.12 51.3	1.0				11.4	8.2		
10	H	15.12 52.1	1.0		+		3.8	4.3	6.4	3.7
	Z	15.12 51.6	1.0	-		-	1.8	1.2		
	A	16.08 43.8	0.7	+	+	+	6.6	4.7		
10	H	16.08 44.2	0.9		+	+	2.8	4.7	4.8	2.9
	Z	16.08 44.1	0.9	-		-	0.3	0.4		
	A	16.09 07.7	0.8		+	-	11.8	6.4		
10	H	16.09 08.2	1.0				7.2	10.0	5.8	3.5
	Z	16.09 08.1	0.9		+	-	0.7	1.3		
	A	01.02 03.7	0.7			+		2.9		
11	H	01.02 04.1	0.9				3.8	3.4	2.5	3.2
	Z	01.02 03.2	0.4	-	+	-	10.0	8.7		
	A	01.17 40.9	0.6			-	28.0			
11	H	01.17 41.3	0.5	-	+	+	40.8	28.2	2.4	
	Z	01.17 41.5	0.9			-	4.2	5.8		
	A	01.19 35.5	0.5			-	35.8	23.0		
11	H	01.19 36.2	1.0				4.2	5.5	3.6	
	Z	01.19 36.3	0.9	+			1.8	1.0		
	A	01.26 43.4	0.7	+	+		14.8	5.6		
11	H	01.26 43.9	0.9		+	+	5.0	3.1	4.6	
	Z	01.26 44.0	1.0				0.5	0.9		
	A	03.48 59.9	0.8				1.5	1.2		
11	H	03.49	0.8				3.1	2.2	2.4	
	Z	03.48 59.5	0.5			-	4.6	3.0		
	A	15.40 32.2	0.7		+		27.0	9.6		
11	H	15.40 32.7	0.9		+	+	7.0	7.2	4.7	
	Z	15.40 32.9	0.9				0.7	0.8		
	A	20.50 22.7	0.5				2.6	2.1		
11	H	20.50 23.3	1.0			+	2.5	1.3	2.3	
	Z	20.50 22.7	0.4				0.8	0.6		
	A	01.16 44.5	0.8	-			1.9	1.2		
12	H	01.16	1.1			-	3.0	1.6	3.4	
	Z	01.16 44.1	0.5				0.8	1.4		
	A	02.30 00.4	0.6		+		1.3	1.7		
12	H	02.30 01.0	0.8			-	2.8	5.9	2.3	
	Z	02.30 00.5	0.4				0.8	1.1		
	A	03.21 17.0	0.8	+			5.2	3.4		
12	H	03.21 17.8	1.1				4.3	4.7	3.0	
	Z	03.21 16.8	0.4				5.1	5.4		
	A	04.05 57.1	0.7	-	+	-	45.0	35.0		
12	H	04.05 57.7	1.1	+	+	+	23.0	29.0	2.5	
	Z	04.05 57.0	0.4		-	+	25.0	45.0		
	A	05.40 38.7	0.9	-	+		4.7	4.6		
12	H	05.40 39.7	1.1			+	6.7	8.0	4.1	
	Z	05.40 38.6	0.6			+	3.6	4.1		
	A	09.05 34.6	1.0	-			22.0	16.0		
12	H	09.05 34.4	0.8	-			32.5	15.8	6.1	
	Z	09.05 35.1	1.1				2.0	2.0		
	A	18.04 53.6	0.8	+			5.1	3.7		
12	H	18.04 53.8	0.7				3.4	10.1	4.4	
	Z	18.04 54.3	1.0				0.3	0.4		
	A	12.57 35.1	0.7	-			4.3	11.5		
13	H	12.57 35.2	0.6			-	4.0	4.8	3.0	
	Z	12.57 35.2	0.7	-	+	-	1.2	2.0		
	A	13.23 26.4	0.6	+			3.5	2.5		
13	H	13.23 27.5	1.0			+	2.6	4.1	3.8	
	Z	13.23 26.9	0.7				0.8	0.9		
	A	13.28 10.2	0.6	+			1.3	1.6		
13	H	13.28 10.9	0.9				4.7	6.0	2.9	
	Z	13.28 10.3	0.5	-	+	-	3.4	1.9		
	A	17.47 49.7	1.0				2.3	2.9		
13	H	17.47 49.9	1.1	-	-	-	9.2	7.4	5.1	
	Z	17.47 49.3	0.7		+	+	4.2	7.2		
	A	22.24 04.9	1.0	-	+		5.4	6.6		
13	H	22.24 04.6	0.6			+	9.5	8.8	4.3	
	Z	22.24 05.3	1.0				3.0	0.8		
	A	03.16 55.7	0.8		-	+	4.4	11.0		
14	H	03.16 56.5	0.6		+	+	5.1	5.9	3.1	
	Z	03.16 55.8	0.6	-		-	1.5	3.7		
	A	06.28 33.3	0.5				4.6	3.2		
14	H	06.28 34.2	1.1				2.4	3.7	3.3	
	Z	06.28 33.6	0.7				0.4	0.4		
	A	07.29 54.5	0.7				4.8	8.2		
14	H	07.29 54.7	0.6				6.6	11.3	1.3	
	Z	07.29 54.8	0.5	-		-	1.4	2.4		
	A	07.32 05.7	0.7	-			46.1	36.0		
14	H	07.32 05.7	0.7		+	+	24.2	21.0	4.4	
	Z	07.32 06.5	0.9			-	3.8	4.0		
	A	12.57 41.7	0.7	-	+	+	0.5	1.6		
14	H	12.57 42.2	0.7				1.7	4.0	3.1	
	Z	12.57 42.8	0.6				0.3	0.4		
	A	21.01 07.8	0.9		+	-	5.7	5.1		
14	H	21.01 07.8	0.7			+	5.2	12.0	4.7	
	Z	21.01 08.4	1.0	-	-	-	0.5	1.0		
	A	10.43 25.0	0.5				25.3	15.1		
15	H	10.43 25.7	0.5	+		+	3.2	2.2	2.0	
	Z	10.43 25.5	0.8		+	-	1.0	1.1		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	15.02 09.7	0.7			-	9.2	7.8		
15	H	15.02 10.6	1.1		+	+	12.4	14.4	4.5	3.5
	Z	15.02 10.1	0.7	+	-	+	3.5	2.5		
	A	20.40 26.9	0.4	+		+	14.0			
15	H	20.40 27.8	1.1	+		+	2.9	3.5	2.6	3.2
	Z	20.40 27.4	0.7			+	1.5	1.2		
	A	05.08 38.5	0.6			+	3.5			
16	H	05.08 39.3	0.8				2.4	4.0	3.9	2.5
	Z	05.08 39.0	0.7			-	0.4	0.4		
	A	06.24 48.1	0.5	+	-		4.0	4.0		
16	H	06.24 48.9	0.9			+	5.0	4.6	3.6	2.5
	Z	06.24 48.8	0.7		+	-	0.5	0.4		
	A	06.52 41.1	0.7			+	1.1	2.4		
16	H	06.52 41.8	1.1			+	2.6	4.4	4.3	2.8
	Z	06.52 41.3	0.7				1.4	1.4		
	A	09.48 20.1	0.6		-	+	2.5	2.3		
16	H	09.48 20.8	0.9	+	-	+	4.2	5.8	3.8	2.8
	Z	09.48 20.6	0.6	+		-	1.2	1.7		
	A	09.46 58.1	0.5				8.0	6.9		
16	H	09.46 59.0	1.0	+	+	+	6.2	5.4	3.6	3.1
	Z	09.46 58.3	0.7			-	1.1	1.4		
	A	17.11 46.4	0.6	+		-	49.8	41.2		
16	H	17.11 47.5	1.1	+	+	-	13.5	17.2	3.7	4.2
	Z	17.11 46.9	0.6		+		8.8	5.6		
	A	18.31 28.3	0.9	+	+	-	4.6	8.2		
16	H	18.31 29.2	1.4	+		+	6.0	8.0	2.0	3.4
	Z	18.31 28.1	0.5			-	1.7	3.0		
	A	18.39 31.7	0.7	+			10.8	11.4		
16	H	18.39 32.3	0.9		+	+	7.7	11.7	4.5	3.2
	Z	18.39 32.3	0.8			-	0.5	0.8		
	A	18.44 45.5	0.6		+	-	10.4	7.7		
16	H	18.44 46.0	0.9	+	+	+	3.7	5.3	4.4	3.3
	Z	18.44 45.9	0.9	-	+	+	0.6	1.3		
	A	20.38 42.7	0.7	-		+	48.4	25.4		
16	H	20.38 43.8	1.0		+	+	10.7	11.0	4.7	4.0
	Z	20.38 43.4	0.8	-	+	-	2.5	2.4		
	A	21.40 48.2	0.6	-		+	5.4	5.0		
16	H	21.40 48.8	1.0				3.8	4.4	4.4	2.8
	Z	21.40 48.7	0.8	-		-	0.6	0.4		
	A	01.59 20.6	0.6	+	+		34.8	13.8		
17	H	01.59 21.0	1.0		+	+	8.0	6.8	4.1	3.7
	Z	01.59 21.6	0.8		+	-	1.3	1.8		
	A	02.24 46.7	0.9	-		-	6.7			
17	H	02.24 47.4	1.2		-	+	6.2	8.7	4.1	3.6
	Z	02.24 46.4	0.6	-			4.6	6.5		
	A	02.27 51.4	0.8	-			9.2			
17	H	02.27 52.2	1.3	-	+	-	5.0	7.4	3.1	3.4
	Z	02.27 51.4	0.6			+	3.3	3.2		
	A	04.13 24.8	1.0			+	12.6			
17	H	04.13 24.7	0.8		+	+	28.3	11.8	5.7	3.8
	Z	04.13 25.4	1.1			+	2.4	1.6		
	A	08.03 36.6	0.7	-			20.8	7.4		
17	H	08.03 37.8	1.3	-	+	+	6.0	6.3	4.2	3.5
	Z	08.03 37.2	0.7			+	1.1	1.0		
	A	12.38 56.2	0.7	-	-	+	40.5	18.0		
17	H	12.38 56.4	0.9		+	+	7.6	15.3	5.0	4.0
	Z	12.38 56.9	0.9	-		-	1.6	3.0		
	A	17.28 03.3	1.1	-		+	4.0	2.8		
17	H	17.28 02.6	0.8		+		8.2	13.6	5.9	3.3
	Z	17.28 03.3	1.1			-	1.2	0.6		
	A	19.03 25.8	1.4	+		+	3.2	2.4		
17	H	19.03	0.8				5.8	6.0	3.3	3.4
	Z	19.03 25.6	1.1			+	1.5	1.5		
	A	07.55 52.6	0.5	-	+	-	3.6	1.8		
18	H	07.55 53.2	0.9		+	+	4.2	4.7	3.3	2.6
	Z	07.55 52.9	0.7		+		0.7	0.6		
	A	08.25 04.8	0.5	-	+		1.2	1.3		
18	H	08.25 05.2	0.9			+	2.4	3.5	1.0	1.9
	Z	08.25 04.7	0.4			-	1.0	0.7		
	A	08.25 36.4	0.6	-	+	+	1.3	1.2		
18	H	08.25 36.8	0.9		-	+	2.8	4.0	2.7	2.6
	Z	08.25 36.2	0.4	-		-	2.2	1.2		
	A	15.30 40.9	0.6	-	-	-	8.5	4.7		
18	H	15.30 41.2	0.9	+	+	+	7.2	10.5	4.2	3.1
	Z	15.30 41.1	0.7			-	0.7	0.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	17.46 00.4	1.2			+		1.2		
18	H	17.46 00.9	1.8			+	2.4	4.1	7.3	2.9
	Z	17.46 00.2	1.3				0.6	0.6		
	A	22.31 43.9	0.8		+	+	13.4	4.6		
18	H	22.31 44.7	1.1				1.9	2.8	5.9	3.4
	Z	22.31 44.7	0.9	-		-	0.9	0.6		
	A	03.09 11.2	0.7	-	-	-	1.6	0.8		
19	H	03.09	0.8				2.6	3.5	3.6	2.5
	Z	03.09 10.9	0.6			+	0.7	0.9		
	A	03.37 27.5	0.8	+		+	14.0	9.3		
19	H	03.37 28.1	1.1			+	2.4	3.2	5.5	3.5
	Z	03.37 27.6	0.8		+	+	1.7	1.2		
	A	04.52 26.9	1.0	-		-	3.7	2.0		
19	H	04.52 27.5	1.2			+	3.0	5.4	3.7	3.1
	Z	04.52 26.7	0.6			+	1.6	1.7		
	A	05.36 59.8	0.9	-		-	4.4	2.6		
19	H	05.37 00.3	1.2			+	3.7	5.6	4.5	3.2
	Z	05.36 59.5	0.6			+	2.5	2.0		
	A	08.13 07.5	1.5	-	-	+	5.0	4.2		
19	H	08.13 08.0	1.8				3.7	3.4	8.4	3.5
	Z	08.13 07.2	1.2			+	0.9	0.5		
	A	13.01 40.9	1.0	+			5.3	4.4		
19	H	13.01 40.2	0.7			-	7.4	13.6	4.4	3.2
	Z	13.01 40.7	0.9	-		-	1.1	0.6		
	A	14.36 00.6	0.7				13.5	7.1		
19	H	14.36 01.2	1.0		+	+	4.7	3.2	4.8	3.3
	Z	14.36 01.1	0.9	-	+	-	0.7	0.6		
	A	04.47 06.1	0.9	-	-	+	5.1	3.5		
20	H	04.47 06.4	1.0			+	3.4	3.7	3.3	3.4
	Z	04.47 06.0	0.5		+	-	4.7	2.4		
	A	07.03 28.5	0.7			+	5.8	5.8		
20	H	07.03 29.1	0.9				7.0	3.7	4.0	3.4
	Z	07.03 28.6	0.6	-	+	-	4.2	2.0		
	A	07.43 25.0	0.9	-	+	+	0.9	0.6		
20	H	07.43 24.9	0.5				1.8	3.4	3.9	2.3
	Z	07.43 25.0	0.7				0.3	0.4		
	A	07.57 34.5	0.6	-			3.4	2.6		
20	H	07.57 34.4	0.5			-	4.2	6.4	2.7	2.8
	Z	07.57 34.6	0.7	-	+	-	0.7	0.9		
	A	11.08 35.5	0.9	-		+	7.0	4.0		
20	H	11.08	1.0	+		+	5.6	3.9	0.5	3.4
	Z	11.08 34.7	0.3			+	7.4	4.9		
	A	16.00 32.0	0.6			+	7.2	6.6		
20	H	16.00 32.7	0.9		-	+	3.6	4.7	4.2	2.9
	Z	16.00 32.4	0.7			-	0.6	0.5		
	A	21.58 01.3	0.8	-			7.2	3.4		
20	H	21.58 02.1	1.3			+	2.4	2.6	4.2	2.9
	Z	21.58 01.3	0.5		+	+	1.3	1.0		
	A	00.15 12.7	0.6	+		+	41.7	13.3		
21	H	00.15 13.4	0.9	+	+	+	7.6	9.1	4.3	3.9
	Z	00.15 13.2	0.8	-	+	-	2.4	1.0		
	A	01.36 44.2	0.9			-	2.3	1.7		
21	H	01.36 44.5	1.0				3.1	2.8	4.7	2.6
	Z	01.36 43.9	0.7				0.6	0.6		
	A	01.45 56.0	1.0	-	+	+	3.2	2.6		
21	H	01.45 56.4	1.0	+	+	+	3.2	3.2	1.4	2.9
	Z	01.45 56.2	0.4	-	+	-	1.6	1.1		
	A	23.18 45.1	1.0	+	-		5.3	9.2		
21	H	23.18 44.6	0.5				5.3	6.2	3.7	3.5
	Z	23.18 45.3	1.0	-			1.5	0.5		
	A	00.11 44.7	0.8	+		-	3.8	4.8		
22	H	00.11 45.5	1.3	+	+	+	4.4	6.4	1.5	3.3
	Z	00.11 44.7	0.4	-		+	4.1	5.2		
	A	04.18 54.9	0.7				1.0	1.0		
22	H	04.18 55.5	1.0				1.8	2.6	3.0	2.4
	Z	04.18 55.1	0.4				0.9	1.2		
	A	07.58 41.8	0.6			-	3.8	2.6		
22	H	07.58 42.1	0.9				2.8	4.4	2.6	2.9
	Z	07.58 41.6	0.4				2.3	1.8		
	A	11.34 23.6	0.7			-	4.4	2.0		
22	H	11.34 24.1	1.0			+	3.2	3.9	4.2	2.7
	Z	11.34 23.9	0.6	-			0.4	0.6		
	A	20.45 38.6	0.6	+			3.8	3.2		
22	H	20.45 38.9	0.8				3.7	5.2	1.5	3.2
	Z	20.45 37.4	1.2			+	2.1	1.8		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Feb. 1966 - Mar. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	03.33 03.2	0.7	-	-	-	10.0	4.9		
23	H	03.33 03.7	0.9			+	4.9	7.2	2.9	3.5
	Z	03.33 03.1	0.4	+		+	5.6	4.2		
	A	07.18 46.8	0.9	-		-	2.8	1.0		
23	H	07.18 47.3	1.0			+	3.4	2.8	2.7	2.8
	Z	07.18 46.9	0.4			-	1.5	1.2		
	A	13.25 38.7	1.1	-		-	22.4	12.0		
23	H	13.25	1.2	+	-	+	10.9	18.1	3.6	4.3
	Z	13.25 38.9	0.6	-	-	+	9.0	12.9		
	A	18.25 09.1	1.0	+		+	6.2	4.4		
23	H	18.25 08.8	0.8				6.8	5.5	5.7	3.3
	Z	18.25 09.5	1.1				1.0	0.7		
	A	08.23 52.1	0.7		-		40.8	32.4		
24	H	08.23	0.9				2.8	5.2	2.5	4.0
	Z	08.23 52.1	0.4				7.5	8.5		
	A	08.24 26.5	0.7	+	-		20.3	9.2		
24	H	08.24 27.2	0.9			-	2.0	2.8	2.5	3.4
	Z	08.24 26.5	0.4	-	+	-	1.1	2.6		
	A	15.36 17.5	1.6	-		+	2.8	3.2		
24	H	15.36	1.8			+	2.0	2.7	8.6	3.4
	Z	15.36 17.3	1.3			+	0.4	1.0		
	A	20.11 53.7	0.6	+		+	11.0	7.0		
24	H	20.11 54.5	0.9	+		-	3.7	3.0	3.4	3.1
	Z	20.11 53.8	0.6	-	+		1.4	1.1		
	A	23.33 15.7	0.8	-	-	+	1.8	2.8		
24	H	23.33 16.1	1.0			-	4.0	2.8	0.0	3.3
	Z	23.33 15.0	0.4	-		-	12.8	16.3		
	A	04.37 02.3	0.5	+			10.7	13.0		
25	H	04.37 03.5	1.0			+	2.2	2.3	3.5	3.1
	Z	04.37 03.0	0.7			+	1.7	1.1		
	A	11.05 09.2	1.6			+				
25	H	11.05 09.8	1.9			+	11.0	10.5	6.7	4.0
	Z	11.05 09.0	1.2	-		+	4.9	6.5		
	A	13.09 59.9	0.5	+		+	22.4	9.6		
25	H	13.10 00.9	0.9				3.9	5.8	2.9	3.5
	Z	13.10 00.1	0.5	-	-	-	3.0	3.8		
	A	16.41 33.9	0.7			+		2.6		
25	H	16.41 34.7	0.8	-		+	4.3	3.2	2.9	2.8
	Z	16.41 34.1	0.5	-	+	-	1.6	1.3		
	A	00.00 49.3	0.8		+	+		8.2		
26	H	00.00 49.3	0.7			+	5.1	9.2	4.6	3.1
	Z	00.00 49.7	0.9	-	+	-	0.6	0.5		
	A	10.07 49.7	1.1			-		1.2		
26	H	10.07 49.9	1.0			-	2.8	2.2	1.3	2.9
	Z	10.07 49.2	0.6			+	2.8	1.6		
	A	11.17 02.5	0.8			+		1.4		
26	H	11.17 03.3	1.1	+		+	2.9	2.8	3.4	3.1
	Z	11.17	0.5				6.9	9.4		
	A	12.23 24.8	0.7	+			21.4	19.4		
26	H	12.23 25.5	1.0	+	+	+	13.4	18.7	2.6	3.9
	Z	12.23 24.6	0.4	-	+	+	10.8	8.3		
	A	15.31 23.3	0.7			+	24.6			
26	H	15.31 24.3	0.9	+	+	+	4.4	7.9	4.6	3.7
	Z	15.31 24.0	0.7	-	+	-	1.0	1.8		
	A	20.16 49.8	0.8			-	5.6			
26	H	20.16 50.8	1.1	+	-		11.3	9.1	3.4	3.6
	Z	20.16 49.9	0.5			+	7.6	9.8		
	A	20.16 53.2	0.6				4.8			
26	H	20.16	0.5				8.3	7.2	1.1	3.6
	Z	20.16 52.5	0.5				9.7	15.0		
	A	20.17 16.0	0.8	-		+	3.0			
26	H	20.17 15.6	0.7			-	6.0	8.4	0	2.7
	Z	20.17 16.0	0.4	-	+		1.1	1.0		
	A	20.24 49.0	0.7				0.6			
26	H	20.24 49.9	0.7				3.0	1.6	2.2	2.4
	Z	20.24 49.0	0.5			+	1.0	1.6		
	A	03.31 20.1	1.0	+			0.7	0.9		
27	H	03.31 20.0	1.0	-	+	-	5.4	4.4	2.4	2.7
	Z	03.31 19.2	0.5			+	1.6	1.7		
	A	09.20 44.4	0.5				0.8	0.4		
27	H	09.20 45.2	0.9			+	1.6	2.8	2.1	2.0
	Z	09.20 44.4	0.4				0.7	0.9		
	A	09.23 27.3	0.7				1.4	0.8		
27	H	09.23 26.9	1.0			+	2.8	4.4	2.9	2.3
	Z	09.23 27.2	0.4			-	0.9	1.1		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	10.06 02.2	0.7	-	-	-	9.0	6.2		
27	H	10.06 02.9	1.0	+	+	+	14.8	18.5	4.0	3.
	Z	10.06 02.1	0.6			-	9.3	13.2		
	A	11.36 11.4	1.0	+			2.8	2.8		
27	H	11.36 11.3	0.9			-	3.3	6.8	5.9	3.
	Z	11.36 11.6	1.0				0.6	0.7		
	A	12.39 35.7	0.6				1.8	1.2		
27	H	12.39 36.6	1.1		-	+	2.8	3.4	2.6	2.
	Z	12.39 35.8	0.4			-	1.1	1.0		
	A	13.26 52.1	1.0	-		-	6.4	10.0		
27	H	13.26 51.6	0.7	+			15.8	10.9	4.7	3.
	Z	13.26 52.1	1.0			-	2.5	1.8		
	A	20.39	0.7			+	32.3	19.8		
27	H	20.39 02.1	0.8	+	+	+	7.0	15.0	4.4	3.
	Z	20.39 02.1	0.9	-	+	-	1.5	1.3		
	A	20.43 29.2	0.6		-	+		9.8		
27	H	20.43 30.0	0.9	-	+	+	2.9	2.5	4.0	3.
	Z	20.43 30.0	0.8	-	+	-	0.5	0.6		
	A	01.39 35.7	1.4			+		1.1		
28	H	01.39 36.0	1.7			+	2.9	3.0	8.8	3.
	Z	01.39 35.3	1.2		+		1.6	1.0		
	A	02.41 04.8	1.7		-	+		1.2		
28	H	02.41 05.2	1.8			+	2.2	2.4	8.9	3.
	Z	02.41 04.5	1.3	-		+	0.8	1.2		
	A	09.04 34.2	0.6			+		12.8		
28	H	09.04 34.5	0.9				4.1	1.6	4.3	3.
	Z	09.04 34.1	0.8	-		-	1.1	0.8		
	A	10.46 41.5	0.8			+		11.4		
28	H	10.46 41.8	0.9	+		+	10.6	10.1	5.2	3.
	Z	10.46 41.9	0.9	-	+	-	1.0	1.4		
	A	15.49 21.2	0.5		-	+	3.2	10.5		
28	H	15.49 21.8	0.7	-		+	3.8	12.5	3.7	4.
	Z	15.49 21.9	0.4			+	0.6	11.5		
	A	22.15 16.5	1.7	+		+	3.2	1.8		
28	H	22.15	1.7			+	3.3	3.0	8.3	3.
	Z	22.15 16.3	1.3				1.0	0.6		

1966 March

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	04.22 06.1	0.9							
01	H	04.22 07.6	1.3			+	5.2	10.0		2.
	Z	04.22 06.7	0.6	-	+	+	1.4	2.3		
	A	06.20	0.9							
01	H	06.20 53.2	1.2			+	2.8	4.8		2.
	Z	06.20 52.0	0.6			+	0.5	0.8		
	A	15.45 28.1	1.0				13.4	6.0		
01	H	15.45 28.7	0.9		+	+	5.6	15.1		3.
	Z	15.45	1.1	+		+	4.2	3.0		
	A	21.37 00.4	1.0			+	6.6	10.6		
01	H	21.37 00.4	1.2	-	-	-	6.4	8.1	2.2	3.
	Z	21.36 59.4	0.5	+	+	-	14.0	9.0		
	A	12.00 35.1	1.0							
02	H	12.00 34.7	0.7			+	14.6	9.4	4.7	2.
	Z	12.00 35.6	1.0	-		-	1.2	0.9		
	A	13.14 59.6	1.0			+				
02	H	13.14 59.0	0.5				10.7	12.3	3.8	2.
	Z	13.15 00.0	1.1				0.5	0.3		
	A	14.44 10.9	1.0			+				
02	H	14.44 10.4	1.0				13.6	34.2	6.1	3.
	Z	14.44	0.9			+	1.6	1.3		
	A	03.06 51.4	0.5		+	+	4.7	3.7		
03	H	03.06 52.0	1.0			+	7.5	6.2	2.6	2.
	Z	03.06 51.9	0.5				1.6	1.2		
	A	03.25 14.9	1.0	+		+	4.0	4.8		
03	H	03.25 14.4	0.6		-	+	5.2	6.6	4.5	3.
	Z	03.25 15.0	1.0				1.5	0.8		
	A	05.22 07.8	0.7	+			10.0	5.1		
03	H	05.22 08.4	1.0			+	2.9	2.6	5.2	3.
	Z	05.22	0.9				0.7	0.4		
	A	07.50 09.6	0.6				6.0	4.6		
03	H	07.50 10.0	1.1			+	5.3	4.2	3.4	3.
	Z	07.50 09.8	0.6				2.0	3.3		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	11.40 27.0	0.6							
03	H	11.40 27.5	1.1			+	2.0	2.8	4.4	2.8
	Z	11.40 27.4	0.8				1.4	1.2		
	A	16.35 36.0	0.5		+	-	5.7	3.0		
03	H	16.35 36.5	0.9				5.5	5.4	2.4	2.6
	Z	16.35 36.4	0.6	-	+		0.8	0.8		
	A	22.06 18.3	0.9	+			1.6	1.3		
03	H	22.06 18.7	1.1	+	-	+	2.2	3.5	3.3	2.8
	Z	22.06 18.6	0.6				2.0	2.0		
	A	09.31 31.3	0.7	+			12.6	8.0		
04	H	09.31 31.6	1.0		+		5.3	3.6	4.8	3.2
	Z	09.31 32.1	0.8				0.8	0.9		
	A	15.14 29.1	0.6	+		-	8.0	7.3		
04	H	15.14 29.9	1.3				3.0	4.2	3.2	3.0
	Z	15.14	0.8	+			0.6	0.6		
	A	15.28 05.0	0.5		+	+	13.1	5.6		
04	H	15.28 05.6	1.2			+	5.0	4.8	2.7	3.0
	Z	15.28	0.7	+			0.7	0.4		
	A	22.27 52.5	0.5	+			10.6	9.6		
04	H	22.27 52.7	1.0	+	+	+	4.5	4.6	3.6	3.2
	Z	22.27	0.7				0.8	1.4		
	A	03.36 25.2	0.9	+		+	5.8	9.0		
05	H	03.36 24.3	0.6			+	8.2	6.8	4.5	3.3
	Z	03.36	1.1	-			0.6	0.6		
	A	06.17 50.2	0.6				2.2	2.0		
05	H	06.17 49.3	0.9			-	3.6	4.4	4.3	2.6
	Z	06.17	0.8	-			0.4	0.6		
	A	07.10 12.2	0.5		-	+	10.2	9.4		
05	H	07.10 12.8	0.9			+	5.2	6.8	3.4	2.9
	Z	07.10	0.7	-			0.4	0.7		
	A	11.23 08.5	0.6	-		+	4.9	3.8		
05	H	11.23 08.8	1.0			+	3.6	3.6	3.9	2.8
	Z	11.23	0.7				0.8	0.3		
	A	00.42 59.1	0.6			+	0.7	1.5		
06	H	00.42 59.1	0.8	-		-	2.3	3.0	3.4	2.3
	Z	00.42 59.8	0.6				0.3	0.5		
	A	04.23	0.4	+			3.8	2.2		
06	H	04.23 53.9	0.9			+	2.8	1.2	1.1	2.0
	Z	04.23	0.6				0.3	0.2		
	A	04.55 47.3	0.6			-	7.5	4.4		
06	H	04.55 47.2	0.8			+	12.6	9.8		
	Z	04.55	1.0	+			0.8	1.1		
	A	09.39 22.2		+			0.7	1.3		
06	H	09.39 22.2				+	1.4	2.6		3.2
	Z	09.39 22.5					1.7	1.1		
	A	10.50 12.1	1.5	+		+	2.6	2.2		
06	H	10.50 12.5	1.7			+	3.0	2.9	7.9	3.1
	Z	10.50 12.7	1.2			+	0.6	0.6		
	A	20.40 47.6	1.0				2.4	2.2		
06	H	20.40 48.2	1.0			-	2.3	4.0	2.3	2.6
	Z	20.40 48.3	0.5	-			0.8	0.8		
	A	21.31 21.9	0.9			+	1.3	1.5		
06	H	21.31 22.2					2.9	3.8		2.6
	Z	21.31 22.2	1.2			+	1.8	1.5		
	A	22.18 12.2	0.9	-	-	+	22.0	1.7		
06	H	22.18 11.8	0.9			-	24.6	1.1	3.3	3.1
	Z	22.18 12.9	0.8	-		-	27.6	1.6		
	A	02.05 42.5	0.9	-			4.7	3.2		
07	H	02.05 42.1	0.6			+	6.8	12.5	4.2	3.1
	Z	02.05	1.1	-		-	0.7	0.6		
	A	07.37 42.6	0.6				4.0	2.2		
07	H	07.37 43.1	1.8	+	+		5.0	5.0	4.4	3.6
	Z	07.37 42.7	1.2	-		+	3.4	2.2		
	A	09.57 11.5	0.7			+	4.0	1.9		
07	H	09.57 12.4	1.3				2.6	4.0	3.7	2.6
	Z	09.57 12.1	0.8	+		+	0.4	0.4		
	A	18.21 08.6	1.5	+		+	2.8	1.6		
07	H	18.21 09.1	1.6				2.5	2.7	7.9	3.1
	Z	18.21 08.8	1.2				0.6	0.6		
	A	19.30 30.4	0.7	+	+	-	43.4	26.3		
07	H	19.30 31.1	0.9			+	5.8	5.0	4.6	3.7
	Z	19.30 31.4	0.8				0.7	1.0		
	A	23.51 52.7	0.5	+		+	2.5	1.4		
07	H	23.51 53.7	1.0				3.6	3.5	3.2	2.6
	Z	23.51	0.7				0.4	0.9		
	A	00.12 18.0	0.4	+		+	3.8	2.0		
08	H	00.12 18.8	0.8				2.6	3.4	1.0	2.1
	Z	00.12 19.0	0.5				0.4	0.4		
	A	00.17 50.4	0.5	+		-	8.0	4.6		
08	H	00.17 51.2	1.1			+	1.6	2.1	2.1	3.1
	Z	00.17 50.7	0.6	+		+	1.1	1.9		
	A	08.15 24.3	1.0			-	1.1	1.2		
08	H	08.15 24.8	1.7			+	2.0	3.0		2.9
	Z	08.15 24.3	1.2				0.6	0.6		
	A	09.24 58.1	1.4		-	+	8.3	7.6		
08	H	09.24 57.7	1.0			+	16.0	11.0	6.4	3.6
	Z	09.24 58.6	1.2				0.8	0.8		
	A	09.31 27.7	0.9	+		+	5.4	7.4		
08	H	09.31 27.9			-		5.6	9.6		3.4
	Z	09.31 28.0		-	+	-	1.4	3.2		
	A	18.49 47.3	0.5	+			1.5	1.6		
08	H	18.49 47.2	0.7		+	+	2.6	3.0	3.1	2.6
	Z	18.49 47.6	0.7	-		-	0.8	1.5		
	A	19.28 56.2	0.5	+	-		72.0	40.0		
08	H	19.28 56.4	1.0	+	+	+	28.0	31.0	3.6	4.5
	Z	19.28 56.6	0.8		+	-	12.5	10.0		
	A	19.36 56.0	0.8	+	-	+	20.8	26.9		
08	H	19.36 56.8	1.0	+	+	+	3.9	8.1	4.6	3.6
	Z	19.36 56.7	0.7	-		-	1.4	1.2		
	A	20.50 02.2	0.5	-			20.0	17.3		
08	H	20.50 03.1	1.0	+	+	+	3.3	3.0	3.5	3.2
	Z	20.50 03.0	0.7				0.7	0.8		
	A	21.51 04.9	0.5	+	-	-	4.0	3.2		
08	H	21.51 05.6	0.9			+	4.9	6.6	2.8	2.6
	Z	21.51 05.7	0.6				0.4	0.7		
	A	21.52 59.0	0.5					2.5		
08	H	21.52 59.8	0.8				2.6	3.4	3.2	2.3
	Z	21.52 59.7	0.7				0.3	0.3		
	A	00.52 53.4	0.3	+			21.0	10.3		
09	H	00.52 53.7	0.7	+		+	3.6	1.8	1.7	3.0
	Z	00.52 53.9	0.7	-		-	0.3	0.6		
	A	06.56 17.7	0.5				4.0	2.1		
09	H	06.56 18.5	1.1			+	4.4	4.2	3.0	2.5
	Z	06.56 18.4	0.6			+	0.3	0.6		
	A	09.13 15.3	0.9			-	12.6	6.2		
09	H	09.13 15.4	0.8	+	+	+	5.8	16.0	5.4	3.6
	Z	09.13 16.1	1.1	-		-	0.9	1.4		
	A	14.30 01.2	1.4			+	1.2	1.4		
09	H	14.30 01.1	1.0	+	+	+	6.8	7.4	4.7	3.2
	Z	14.30	1.1			+	0.6	0.3		
	A	14.30 09.9	1.2		+	+	0.9	1.8		
09	H	14.30 10.2	1.0			+	5.5	4.6	5.0	2.8
	Z	14.30 10.9	1.1				0.4	0.3		
	A	18.22 32.2	0.6	-		-	10.4	7.4		
09	H	18.22 33.0	1.1	+	+	+	7.6	9.8	2.8	3.7
	Z	18.22 32.3	0.5			+	9.6	13.2		
	A	18.23 14.7	0.7			+	7.9	3.4		
09	H	18.23 15.5	1.0		+	+	1.6	3.6	4.6	3.0
	Z	18.23 15.3	0.8	-		-	0.7	0.6		
	A	21.56 54.8	0.9	+		+	6.7	4.0		
09	H	21.56 55.8	1.6	+	+	+	4.1	5.4	3.7	3.5
	Z	21.56 55.3	0.9	+	-	+	2.1	2.3		
	A	22.59 53.0	1.0		-	+	0.6	0.9		
09	H	22.59 53.5	1.8			+	3.4	4.0		2.2
	Z	22.59 53.2	1.2				0.8	0.6		
	A	23.07 56.6	0.7	+	+	+	8.5	7.5		
09	H	23.07 57.6	1.2			-	5.4	7.4	1.3	3.0
	Z	23.07 56.4	0.4		-	+	1.9	2.2		
	A	04.21 58.3	1.0		-	+	7.4	7.7		
10	H	04.21 58.8	1.0			-	9.4	9.8		3.4
	Z	04.21 58.1	0.6	-		+	3.7	4.0		
	A	05.03 13.6	1.6	+	-		1.6	1.1		
10	H	05.03 14.2	1.7			+	1.8	2.9	8.5	2.9
	Z	05.03 13.6	1.3				0.3	0.2		
	A	06.45 10.8	0.6	-		-	8.0	7.4		
10	H	06.45 11.7	1.2	+	+	+	12.2	12.4	1.7	3.5
	Z	06.45 10.9	0.4	-		-	7.0	9.9		
	A	07.03 45.5	0.8	-	+	-	23.0	29.0		
10	H	07.03 46.3	1.1	-	-	-	18.0	33.0	1.9	4.5
	Z	07.03 45.5	0.6	+	+	+	35.0	42.0		

Mar. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	07.04 08.6	0.7	+		+	2.0	1.4		
10	H	07.04 08.8	1.0				1.7	3.3	2.2	2.8
	Z	07.04 08.6	0.4	+		+	4.3	2.9		
	A	13.03 11.7	0.9		-	+	5.1	2.5		
10	H	13.03 11.9	0.9			+	5.2	10.3	5.9	3.1
	Z	13.03 12.3	1.0				0.8	0.4		
	A	14.51 31.1	0.7		-		10.4	4.2		
10	H	14.51 31.5	0.9		+	+	7.1	15.8	4.5	3.3
	Z	14.51 31.8	1.0	+	-	+	1.1	0.7		
	A	14.52 53.9	0.5		+		8.0	5.4		
10	H	14.52	0.9		+	+	5.0	3.4	3.2	3.0
	Z	14.52 53.7	1.0				0.5	0.3		
	A	18.18 40.5	0.8				5.5	3.0		
10	H	18.18 41.5	1.1			-	2.7	2.7	3.3	3.1
	Z	18.18 40.4	0.5			+	2.4	1.6		
	A	19.08 21.9	1.0	-			1.8	1.4		
10	H	19.08 22.2	1.0	+		+	2.2	4.6	6.3	2.5
	Z	19.08 22.4	1.0				0.3	0.3		
	A	20.11 53.4	1.3	-			4.8	6.4		
10	H	20.11 54.1	0.7			-	3.5	2.0		3.7
	Z	20.11 53.1	0.5	+		-	7.7	6.5		
	A	23.35 34.4	1.0			-	4.2	3.6		
10	H	23.35 35.4	1.3			+	3.0	2.8	5.1	3.1
	Z	23.35 34.5	0.7			+	0.5	1.4		
	A	00.38 06.9	1.0	+	-		1.4	1.4		
11	H	00.38 07.3	1.1			+	1.6	2.0	6.8	2.7
	Z	00.38 07.4	1.1				0.5	0.3		
	A	02.05 05.4	1.1		-	+	6.8	7.0		
11	H	02.05 05.2	0.9	-		-	10.2	9.2	5.2	3.7
	Z	02.05 05.7	0.9			-	3.2	1.4		
	A	05.24 03.4				+	4.2	3.6		
11	H	05.24 03.8				+	3.4	4.8		3.1
	Z	05.24 03.9					0.7	2.5		
	A	12.51 45.8	1.0	-	-		6.0	3.4		
11	H	12.51 47.2	0.9			+	2.4	4.8	5.1	3.2
	Z	12.51 46.7	0.8				1.0	1.2		
	A	00.59 20.6	1.0		-	+	3.1	5.2		
12	H	00.59 20.4	0.7		+	+	19.0	19.2	4.8	3.5
	Z	00.59 20.6	0.9	-		-	2.3	2.0		
	A	01.43 15.2	1.0				4.7	3.1		
12	H	01.43 16.1	1.3			+	4.2	4.6	3.7	3.2
	Z	01.43 14.9	0.6				1.1	2.3		
	A	05.11 38.8	0.5	+			7.3	4.0		
12	H	05.11 40.3	1.0	+		+	3.2	4.1	3.6	3.1
	Z	05.11 39.4	0.7				1.6	0.9		
	A	08.54 54.1	0.8	+		+	20.8	8.0		
12	H	08.54 55.2	1.0		-		2.6	3.8	5.4	3.8
	Z	08.54 54.6	0.9	-		-	2.1	1.2		
	A	10.44 29.1	1.0	-	-	+	0.8	1.2		
12	H	10.44 29.4	0.8			+	3.4	4.3	5.4	2.6
	Z	10.44 29.2	1.0				0.4	0.3		
	A	11.16 49.7	0.4	+	-	+	10.4	4.6		
12	H	11.16 50.7	1.1	+	+	+	7.0	3.4	1.0	3.3
	Z	11.16 49.6	0.5	-	+	-	6.3	5.7		
	A	13.14 40.8	1.0		-		1.0	1.0		
12	H	13.14 41.1	1.0			+	2.6	4.2	6.6	2.9
	Z	13.14 41.0	1.0				0.2	0.2		
	A	13.24 30.7	0.8	-		+	14.4	4.4		
12	H	13.24 30.9	0.8			+	5.5	6.7	4.7	3.5
	Z	13.24 31.0	0.9				0.4	1.2		
	A	17.38 23.4	0.6	+				2.8		
12	H	17.38 23.9	0.4			-	3.2	4.3	1.5	2.7
	Z	17.38 23.7	0.7				0.6	0.9		
	A	19.34 44.6	1.7			+	1.6	2.4		
12	H	19.34 45.1	1.7			+	3.0	3.1	6.4	3.6
	Z	19.34 44.3	1.2	-	+	+	3.0	1.3		
	A	20.46 43.9	1.0	-	-		3.0	2.1		
12	H	20.46 43.6	0.6			+	3.8	7.6	4.3	2.8
	Z	20.46 44.4	1.1				0.4	0.2		
	A	01.53 14.3	0.6	+			7.5	7.3		
13	H	01.53 15.4	1.1				2.0	2.9	4.1	2.7
	Z	01.53 14.8	0.7		+	+	0.3	0.3		
	A	05.00 40.2	0.7	+	+		1.6	1.2		
13	H	05.00 40.7	1.1			+	1.8	3.8	3.3	2.5
	Z	05.00 39.9	0.5		+	+	0.5	1.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	10.47 54.1	1.0	+		+	6.6	3.9		
13	H	10.47 54.1	0.9				6.8	11.0	6.0	
	Z	10.47 54.4	1.0			-	1.2	0.7		
	A	18.49 53.8	0.8	+		+	7.3	5.4		
13	H	18.49 53.9	0.7			+	6.7	16.6	4.5	
	Z	18.49 54.3	1.0			-	0.8	0.6		
	A	22.04 28.3	1.0	+	-	+	1.5	1.5		
13	H	22.04 28.4	0.9			+	2.1	4.3	5.6	
	Z	22.04 28.5	0.9				0.7	0.4		
	A	00.59 49.1	0.9							
14	H	00.59 50.3	0.9				3.7	3.1	2.3	
	Z	00.59 48.5	0.6				1.0	1.7		
	A	03.17 27.0	1.0							
14	H	03.17 27.0	0.9			+	5.4	4.4	5.5	
	Z	03.17 27.4	0.9				0.4	0.6		
	A	03.25 14.2	0.8			-				
14	H	03.25 14.9	1.1			+	2.9	5.3	2.4	
	Z	03.25 14.1	0.5				1.1	1.6		
	A	04.54 26.6	1.0			+				
14	H	04.54 26.3	0.5			+	4.0	10.8	4.0	
	Z	04.54 27.1	1.1	-		-	0.5	0.3		
	A	08.35 32.4	0.6							
14	H	08.35	1.0				2.5	3.4	3.6	
	Z	08.35 32.8	0.6				0.2	0.4		
	A	08.35 51.9	0.5			-				
14	H	08.35 52.2	1.1				5.2	6.1	2.8	
	Z	08.35	0.6				1.2	2.6		
	A	08.59 06.0	0.7			-				
14	H	08.59 06.9	1.0			+	4.9	7.2	4.4	
	Z	08.59 06.2	0.7			+	0.7	0.7		
	A	08.59 25.7	0.6							
14	H	08.59 27.2	1.1				2.9	3.5	3.9	
	Z	08.59 26.1	0.7		+	+	0.4	0.4		
	A	09.46 19.2	1.1			-				
14	H	09.46	0.6			-	3.1	2.8		
	Z	09.46 18.7	0.6				3.6	2.0		
	A	18.04 03.5	1.0		+		1.3	1.6		
14	H	18.04 03.4	1.0			+	4.2	6.4	6.4	
	Z	18.04 03.5	0.9				0.7	0.8		
	A	00.44 42.7	0.7		-		30.0	15.1		
15	H	00.44 43.2	0.9		+	+	6.0	4.1	4.8	
	Z	00.44 43.4	0.8	-	+	-	3.2	1.9		
	A	00.58 11.5	0.5		+		14.3	6.6		
15	H	00.58 12.0	0.7		+	+	7.2	6.4	2.7	
	Z	00.58 12.2	0.9	-	+	-	1.0	1.0		
	A	01.15 58.5	0.7		+		0.7	1.0		
15	H	01.15 58.3	0.9			+	2.3	4.4	4.2	
	Z	01.15 58.8	0.7				0.3	0.8		
	A	01.43 32.6	0.8	+	-		2.8	2.3		
15	H	01.43 32.4	0.7				5.0	5.8		
	Z	01.43 33.1	1.0				0.9	0.5		
	A	06.21 54.6	0.9	+	-		6.6	5.2		
15	H	06.21 54.6	0.8			+	3.6	8.3	5.1	
	Z	06.21 55.0	0.9				0.6	0.5		
	A	06.25 10.4	1.0	+	-		2.5	4.1		
15	H	06.25 10.2	0.9			+	3.5	4.6	6.1	
	Z	06.25 10.5	1.1				0.6	0.4		
	A	13.24 51.1	0.7				8.2	6.5		
15	H	13.24 51.7	0.9			+	6.4	9.7	4.4	
	Z	13.24 51.6	0.6	-	+	-	0.6	1.4		
	A	13.44 00.7	0.7		+		13.5	4.2		
15	H	13.44 01.1	0.9		+	+	3.6	3.4	4.5	
	Z	13.44 01.4	1.0		+		0.4	0.6		
	A	17.53 44.8	1.2	+	-	+	8.4	7.2		
15	H	17.53 42.0	1.1		+	+	11.6	13.6	7.2	
	Z	17.53	1.1				1.8	1.2		
	A	18.22 07.8	1.4			+	3.0	2.2		
15	H	18.22 08.1	1.6			+	3.0	3.8	8.1	
	Z	18.22 07.5	1.2			+	1.9	1.0		
	A	18.36 28.1	1.1				3.1	2.7		
15	H	18.36 28.2	1.0			+	2.2	5.0	6.9	
	Z	18.36 28.6	1.1			+	0.6	0.3		
	A	00.07 30.0	0.8		-	+	1.2	1.3		
16	H	00.07 29.8	0.9			+	6.0	7.3	5.6	
	Z	00.07 30.3	1.0			+	0.6	0.2		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Mar. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.20 05.7	1.1				0.4	0.8		
16	H	02.20 05.9	0.9			+	3.8	2.9	3.2	2.8
	Z	02.20 05.3	0.7		+	-	2.5	1.2		
	A	02.38 06.1	1.1				3.3	5.0		
16	H	02.38 05.8	0.9		+		4.5	6.2	5.9	3.1
	Z	02.38 06.4	1.0			-	0.7	0.4		
	A	02.49 06.2	1.3		-		1.0	1.8		
16	H	02.49 06.2	0.7				5.8	9.0	0.2	2.7
	Z	02.49 06.6	1.0				0.4	0.4		
	A	03.05 45.3	1.2			-	3.9	2.4		
16	H	03.05 44.6	1.0			-	8.4	6.2	6.5	3.0
	Z	03.05 45.9	1.4				0.3	0.3		
	A	13.22 22.2	1.0	+	+		0.5	0.5		
15	H	13.22 22.3	1.1		+	-	2.4	3.0		1.7
	Z	13.22 21.9	0.6			+	1.3	1.0		
	A	13.40 31.8	0.7		-	+	1.8	1.4		
15	H	13.40 32.5	1.1		+	+	1.4	1.4	3.3	2.9
	Z	13.40 31.9	0.5		+	-	3.3	2.3		
	A	13.46 36.4	0.5	+			5.4	3.3		
15	H	13.46 36.6	0.8				2.4	2.4	3.2	2.7
	Z	13.46 36.8	0.7	+		-	0.4	0.7		
	A	13.50 24.1	1.7		-		0.4	0.6		
15	H	13.50 24.5	1.8			+	0.6	0.5	7.5	2.9
	Z	13.50 24.3	1.3	-		+	1.0	0.5		
	A	19.31 46.3	1.1	+			1.0	1.4		
15	H	19.31 47.1	1.3			-	1.3	1.0		2.7
	Z	19.31 46.4	1.0	+		-	2.0	1.6		
	A	05.47 56.7	0.8	+	+	-	7.0	4.1		
16	H	05.47 57.4	1.1	+		-	12.3	9.0	2.9	3.4
	Z	05.47 56.4	0.5			+	5.4	4.1		
	A	14.01 24.7	0.7		-	+	0.6	1.2		
16	H	14.01 25.2	0.9			-	3.2	2.3	3.0	2.8
	Z	14.01 24.8	0.5			-	4.0	2.0		
	A	14.11 57.4	0.6	+	+	+	12.4	18.0		
16	H	14.11 58.7	1.1			+	4.5	5.1	4.0	3.5
	Z	14.11 58.5	0.7			+	1.8	1.7		
	A	04.09 52.5	1.2	-	-	+	3.8	4.5		
17	H	04.09 52.1	1.0			+	12.1	7.4	6.9	3.6
	Z	04.09 52.7	1.2	+		+	2.6	1.0		
	A	10.21 48.2	0.8			+				
17	H	10.21 48.6	0.9			+	4.3	4.7	3.7	2.6
	Z	10.21 48.2	0.6		+	-	1.6	0.9		
	A	14.58 23.9	0.8		-	+	1.8	1.2		
17	H	14.58 24.1	1.1			+	5.4	2.8	2.8	3.0
	Z	14.58 23.3	0.4			+	5.5	3.8		
	A	17.37 52.5	1.0		-	+	4.8	4.0		
17	H	17.37 52.5	0.7			+	3.3	7.2	5.4	3.3
	Z	17.37 52.7	1.1				1.1	0.9		
	A	21.25 19.9	1.1	-	-	+	2.6	2.4		
17	H	21.25 19.5	1.0		-	+	7.2	7.6	5.7	3.1
	Z	21.25 19.9	0.9	+			1.2	0.7		
	A	22.40 39.2	1.1		-	+	3.5	4.4		
17	H	22.40 39.0	1.0			+	7.8	10.8	6.6	3.4
	Z	22.40 39.6	1.1				1.3	1.1		
	A	22.51 40.5	0.7	+	+	-	3.5	5.8		
17	H	22.51 41.0	1.0	+			2.0	2.7	1.8	3.2
	Z	22.51 40.1	0.3	+		+	3.9	7.6		
	A	00.39 21.5	1.1	+	-	+	5.2	4.7		
18	H	00.39 21.0	0.8		+	+	12.6	12.2	5.9	3.4
	Z	00.39 21.8	1.2				0.9	1.2		
	A	02.25 05.6	1.3		+	+		0.4		2.3
18	H	02.25 05.5	0.9			-	2.3	2.0		
	Z	02.25 05.1	0.6			+	1.7	2.0		
	A	11.30 06.5	0.6			+	1.3	1.6		
18	H	11.30 07.2	0.9			+	2.8	4.4	3.8	2.6
	Z	11.30 06.7	0.6	-	+		1.0	0.4		
	A	18.53 33.9	0.7	+		-	6.0	4.3		
18	H	18.53 34.7	1.0				3.9	5.3	4.6	3.3
	Z	18.53 34.1	0.7	+	-	+	0.8	2.2		
	A	19.11 42.0	1.0		+	+	6.2	4.2		
18	H	19.11 42.0	1.0	+	+	+	6.8	13.8	6.5	3.5
	Z	19.11 42.0	1.1	-		+	1.8	0.9		
	A	20.19 14.1	0.8	-		-	2.0	1.4		
18	H	20.19 15.0	1.1			-	1.2	1.4	3.3	2.9
	Z	20.19 14.1	0.5		-	+	2.7	1.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.49 47.1	1.1		-	+	4.5	4.6		
19	H	00.49 47.1	0.5		+		7.3	10.0	2.7	3.3
	Z	00.49 47.4	1.0			-	1.1	0.6		
	A	01.02 32.7	0.8			+	10.8	4.8		
19	H	01.02 33.2	0.9				2.3	2.4	4.9	3.2
	Z	01.02 33.0	0.8	-		-	0.4	0.9		
	A	02.12 12.0	1.0		-	+	5.5	6.0		
19	H	02.12 11.9	0.8		+	+	9.6	7.0	5.9	3.8
	Z	02.12 11.3	1.1	+	-	+	2.2	1.2		
	A	14.04 10.0	0.6	-	-	+	3.7	3.3		
19	H	14.04 10.2	0.9	+			1.8	2.8	2.0	3.0
	Z	14.04 09.9	0.4				5.6	4.8		
	A	23.57 05.4	0.9			+				
19	H	23.57 05.3	0.9		+	-	8.0	8.6	6.0	3.0
	Z	23.57 05.9	1.0	-		-	1.5	1.0		
	A	00.46 04.0	1.5			+				
20	H	00.46 04.3	1.8	+	+	+	8.6	10.5	7.5	4.0
	Z	00.46 03.9	1.2	-		+	6.3	4.1		
	A	06.39 52.1	1.1			+				
20	H	06.39 52.1	0.9			+	5.8	11.6	6.3	3.0
	Z	06.39 52.6	1.1			+	1.4	1.0		
	A	08.00 44.3	0.9			+				
20	H	08.00 44.3	0.9		+		12.1	20.2	5.8	2.8
	Z	08.00 45.1	1.0			-	0.8	1.0		
	A	17.12 31.5	1.0		-	+	2.5	2.1		
20	H	17.12 31.9	0.8					4.0	5.1	2.9
	Z	17.12 32.2	0.9			+	0.7	0.5		
	A	23.54 41.1	0.8	+	-	+	17.4	25.0		
20	H	23.54 41.6	1.0		+	+	9,6	16.5	5.2	3.9
	Z	23.54 41.8	0.8			-	3.5	1.5		
	A	00.04 08.1	0.6				10.5	4.0		
21	H	00.04 08.4	0.9			+	4.8	9.4	4.2	3.2
	Z	00.04 08.6	0.7				1.2	1.1		
	A	03.03 43.1	1.2	+			3.4	6.8		
21	H	03.03 42.5	1.0			+	7.0	10.0	6.7	3.5
	Z	03.03 43.2	1.1			-	1.1	0.9		
	A	03.17 30.2	0.5	+		-	2.6	2.4		
21	H	03.17 31.0	0.9				2.2	2.8	2.0	2.5
	Z	03.17 30.4	0.4			+	1.0	1.4		
	A	04.14 36.2	0.9			-	8.0	4.6		
21	H	04.14 36.9	1.3	+		+	4.0	6.8	4.2	3.8
	Z	04.14 36.3	0.6			+	5.3	7.8		
	A	07.10 53.8				+	3.4	4.2		
21	H	07.10 54.1	1.9	+		+	6.5	10.2		3.9
	Z	07.10 53.8	1.2	-		+	4.2	3.0		
	A	09.23 32.8	1.8	+	-	+	3.4	2.6		
21	H	09.23 32.7	1.8			+	1.8	2.2	3.1	3.7
	Z	09.23 32.3	1.2				2.8	2.6		
	A	15.09 58.9	1.0		-	+	6.3	6.4		
21	H	15.09 59.0	1.1			+	10.7	13.4	6.4	3.8
	Z	15.09 58.7	0.9				5.1	1.9		
	A	21.24 29.7	0.7	-		-	9.4	4.4		
21	H	21.24 29.7	0.7		+	+	5.3	13.4	3.5	3.3
	Z	21.24 30.4	1.0	-	+	-	0.5	1.2		
	A	23.47 19.4	1.0				4.4	4.2		
21	H	23.47 19.7	1.1	-		-	11.2	8.9	1.3	3.3
	Z	23.47 19.2	0.4				3.4	5.0		
	A	23.50 35.5	1.1				1.7	2.0		
21	H	23.50 35.7	1.1			-	2.2	1.8	2.1	3.2
	Z	23.50 35.1	0.6				4.0	2.1		
	A	23.53 22.6	1.0	+	-	+	3.4	3.1		
21	H	23.53 22.7	1.2	-	-	-	5.0	6.1	2.5	3.0
	Z	23.53 22.8	0.5				1.6	1.7		
	A	01.42 36.5	0.5	+		+	63.2			
22	H	01.42 37.6	1.1	+		+	6.9	6.8	3.4	4.1
	Z	01.42 37.1	0.7				3.6	4.7		
	A	01.42 40.0	0.6				24.8			
22	H	01.42 41.0	1.0			+	13.0	19.4	4.3	4.1
	Z	01.42 40.5	0.7			+	6.0	7.5		
	A	04.42 15.9	1.1	+		+	3.7			
22	H	04.42 15.2	0.9				6.6	10.4	6.2	3.2
	Z	04.42 15.9	1.1		-	-	0.6	1.0		
	A	04.43 25.1	1.1			+	8.0			
22	H	04.43 24.4	0.7		+	+	14.4	19.5	4.9	3.5
	Z	04.43 24.8	1.0	-		-	0.8	1.2		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Mar. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
22	A	06.06 35.4	1.0			+	1.6			
	H	06.06 35.3	1.0	-	+	-	6.4	6.3	2.2	3.0
	Z	06.06 34.9	0.5				3.0	1.4		
22	A	06.38 42.9	1.0				3.0			
	H	06.38 42.9	1.0	-	-	-	7.4	8.0	3.8	3.5
	Z	06.38 42.6	0.6				3.6	6.4		
22	A	07.15 33.5	1.0	+			3.1			
	H	07.15 33.6	1.0			+	6.7	8.0	6.3	3.2
	Z	07.15 33.8	1.0				1.3	0.8		
22	A	07.59 51.3	0.8	+		-	59.3			
	H	07.59 51.9	1.1		+	+	13.2	17.5	5.9	4.3
	Z	07.59 52.1	1.0		-	-	2.2	3.6		
22	A	14.54 24.9	0.7	+		+	10.3	5.6		
	H	14.54 25.6	0.9			+	4.6	6.9	4.4	3.1
	Z	14.54 25.5	0.7	+		-	0.8	0.5		
22	A	17.11 27.7	0.7	+	+	+	2.8	2.0		
	H	17.11 28.3	1.1				3.9	5.0	3.2	3.0
	Z	17.11 27.7	0.5				0.8	2.6		
22	A	20.01 14.1	0.8	+	-	+	2.4	2.0		
	H	20.01 14.3	0.9	-			2.8	3.2	3.7	3.3
	Z	20.01 13.8	0.6				7.8	4.5		
22	A	22.34 54.8	1.0			+	2.6			
	H	22.34 54.8	1.0	-	-	-	11.3	12.8	3.9	3.2
	Z	22.34 54.8	0.6			+	3.0	3.2		
23	A	01.54 02.2	0.4			+	3.6			
	H	01.54 02.4	0.8	-	-	+	4.0	3.9	1.2	2.8
	Z	01.54 01.9	0.3			+	4.8	2.4		
23	A	06.42 20.8	0.8	-		+	9.2			
	H	06.42 20.4	0.8			-	14.7	17.0	5.0	3.4
	Z	06.42 20.9	0.9			-	1.4	1.5		
23	A	09.08 26.5	1.0	+		+	3.4			
	H	09.08 26.1	1.0		+	+	7.0	8.6	6.4	3.3
	Z	09.08 26.5	1.0				1.2	1.0		
23	A	13.24 54.7	0.5	+	+	+	29.0	13.4		
	H	13.24 55.1	1.0	+	+	+	10.0	14.6	3.5	4.1
	Z	13.24 55.1	0.7	+	-	+	9.6	6.0		
23	A	15.05 52.6	0.8	+	-	+	3.6	2.3		
	H	15.05 52.7	0.8	-	-	-	2.4	1.9	2.3	3.1
	Z	15.05 52.3	0.4	-		-	4.2	3.7		
23	A	16.25 11.3	0.8		-	+	4.4	4.4		
	H	16.25 11.5	0.9			+	3.7	5.8	4.5	3.0
	Z	16.25 11.3	0.7	-		-	1.1	0.6		
23	A	17.30 45.4	0.9		-	+	3.7	6.1		
	H	17.30 45.1	0.9				6.8	13.2	5.8	3.2
	Z	17.30 45.3	0.9				1.0	0.8		
23	A	19.37 38.0	0.9				1.4	0.5		
	H	19.37 37.7	0.9		+	-	1.4	1.0	2.2	2.9
	Z	19.37 37.5	0.4				3.2	4.0		
23	A	22.36 32.4	1.0		-		9.6	10.0		
	H	22.36 31.8	0.8	+		+	13.7	16.7	5.6	3.8
	Z	22.36 32.1	1.0				3.2	2.6		
24	A	00.57 57.7	0.9		-	+	1.1	1.2		
	H	00.57 57.2	0.9			-	1.7	0.9		2.6
	Z	00.57 57.2	0.9				2.4	2.1		
24	A	05.33 30.6	1.2	+		+	1.9	2.1		
	H	05.33 30.1	1.1		+	-	7.6	5.0	2.9	3.3
	Z	05.33 29.8	0.7			+	3.5	3.2		
24	A	07.57 56.7	0.9	+	-	+	3.5	3.0		
	H	07.57 56.7	0.7		+	-	3.9	5.6		3.1
	Z	07.57 56.4	0.5				3.2	2.4		
24	A	12.43 32.0	0.9	+	-	+	1.0	1.8		
	H	12.43 31.9	0.7			-	2.4	2.3		2.9
	Z	12.43 31.7	0.5				2.4	1.4		
24	A	13.38 05.2	0.8		+		0.8	0.4		
	H	13.38 05.0	0.8			-	1.6	0.6		2.6
	Z	13.38 04.3	0.3				4.3	3.4		
24	A	14.03 49.4	0.8			+	11.8	10.3		
	H	14.03 49.3	1.0		+		11.9	14.3	5.7	4.1
	Z	14.03 49.6	1.0			+	10.6	5.4		
24	A	23.29 48.0	0.9							
	H	23.29 48.2	1.1			+	1.1	0.8	5.4	2.9
	Z	23.29 48.0	0.7				1.8	1.1		
25	A	00.42 29.0	1.0							
	H	00.42 27.5	0.9	+	+	+	10.1	18.2	5.4	3.4
	Z	00.42 28.1	0.9				3.2	1.4		
25	A	03.49 49.8	1.0			+				
	H	03.49 49.4	0.7			-	4.6	15.4	3.9	
	Z	03.49 49.7	0.8				1.9	1.2		
25	A	10.10 56.6	0.8			+				
	H	10.10 56.7	1.0	+	+	+	3.8	3.8	3.7	
	Z	10.10 56.4	0.5	-			5.1	3.4		
25	A	10.18 06.1	0.6			+				
	H	10.18 06.2	0.8			+	3.5	5.4		
	Z	10.18 06.2	0.8				0.6	0.6		
25	A	12.56 56.9	0.8			+				
	H	12.56 56.7	0.8				2.1	1.8	3.3	
	Z	12.56 56.5	0.6				2.4	1.1		
25	A	12.58 36.0	1.1							
	H	12.58 35.3	1.5			+	6.9	10.5	6.2	
	Z	12.58 35.7	0.9				1.0	1.8		
25	A	14.15 26.9	1.2	-			8.6	2.9		
	H	14.15 27.1	1.0				4.1	5.8	6.8	
	Z	14.15 27.5	1.2				0.8	0.7		
25	A	19.46 18.0	1.0		-	+		5.6		
	H	19.46 17.3	0.8	+		-	9.5	10.2	4.5	
	Z	19.46 17.7	0.8				1.5	1.5		
25	A	21.14 34.5	0.9			-	3.9	3.5		
	H	21.14 34.4	1.2		+	+	4.6	6.2	5.5	
	Z	21.14 34.4	0.8				2.6	1.8		
25	A	22.36 06.0	1.0	-	-	+	6.8	4.6		
	H	22.36 05.5	0.9			+	8.0	10.2	6.3	
	Z	22.36 06.2	1.1			+	2.2	1.8		
26	A	04.17 40.6	1.0	-		+	7.0	4.4		
	H	04.17 40.0	1.0	+	+	+	10.2	7.7	6.2	
	Z	04.17 40.8	1.1			+	1.6	1.3		
26	A	07.53 30.5	1.0	+		+	4.3			
	H	07.53 30.0	0.9			-	9.7	11.3	5.9	
	Z	07.53 30.5	0.9				1.5	1.3		
26	A	11.54 42.0	1.1			+	9.5	5.6		
	H	11.54 41.5	1.2			-	8.2	14.8	6.1	
	Z	11.54 42.2	0.8			+	1.6	1.3		
26	A	14.56 27.2	1.0	+		+	4.8	3.5		
	H	14.56 27.3	1.1		+	+	8.8	10.4	7.0	
	Z	14.56 27.5	1.1	+		+	2.1	1.0		
26	A	17.51 14.8	1.0	-			37.2	7.0		
	H	17.51 14.4	0.7		-		22.0	13.8	3.8	
	Z	17.51 15.1	0.8	-	+	-	3.4	4.0		
26	A	20.56 30.1	1.0		-	+	13.3	16.5		
	H	20.56 29.8	0.8			+	7.6	15.8	5.4	
	Z	20.56 30.3	1.0	-	+	-	0.7	0.6		
26	A	23.03 36.2	1.0		-	+	1.4	1.2		
	H	23.03 36.6	1.0				2.2	0.6	2.3	
	Z	23.03 35.9	0.5	-	+	-	1.5	1.9		
26	A	23.26 02.0	0.5			-	19.8	6.5		
	H	23.26 02.5	0.9			+	6.4	7.3	3.6	
	Z	23.26 02.3	0.7	-		-	0.7	1.4		
27	A	02.58 06.8	1.0		+		0.3	0.4		
	H	02.58 06.5	1.0			-	1.3	1.0		
	Z	02.58 05.8	0.3			+	2.6	1.3		
27	A	05.50 29.4	0.9			+	7.2	3.2		
	H	05.50 29.4	1.1	-			7.3	8.6	2.6	
	Z	05.50 28.4	0.4		+	+	4.8	3.1		
27	A	07.14 51.0	0.7	+		-	2.0	1.6		
	H	07.14 51.1	0.9			+	3.8	3.2	3.2	
	Z	07.14 51.0	0.5				1.0	1.5		
28	A	11.10 50.9	1.0		-	+	17.0	16.2		
	H	11.10 50.6	0.9		+	+	19.6	22.5	5.6	
	Z	11.10 51.0	0.9	-	-	-	4.6	4.9		
28	A	13.11 39.8	1.6	+	-	+	2.6	2.7		
	H	13.11 40.3	1.8	+	+		5.1	5.1	8.1	
	Z	13.11 39.4	1.2	-		+	2.0	2.4		
29	A	09.03 41.5	0.9		-	+	4.6	7.7		
	H	09.03 41.2	0.7		-	-	7.8	12.4	4.4	
	Z	09.03 41.2	0.7	-			2.4	1.1		
29	A	18.13 50.0	0.9	-			6.0			
	H	18.13 49.7	0.9	+			9.6	12.7	5.8	
	Z	18.13 50.4	1.0			-	1.6	1.2		
29	A	21.58 03.8	1.1		-	+	6.0	6.2		
	H	21.58 03.3	0.9	+	+	+	5.4	8.0	6.5	
	Z	21.58 03.9	1.1		+	+	1.0	1.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
30	A	04.16 53.1	0.9	-		+	19.7			
	H	04.16 52.6	0.8	+	+	+	26.0	39.1	5.1	4.1
	Z	04.16 53.4	0.9	-		-	5.8	3.3		
30	A	05.53 19.2	0.9			-	10.0			
	H	05.53 17.5	0.3	+	-	-	36.4	28.1	2.2	3.1
	Z	05.53 18.6	1.0	-			0.3	0.3		
30	A	08.39 26.1	0.9	-		+	13.2			
	H	08.39 25.9	0.9			-	18.0	34.5	5.6	4.0
	Z	08.39 26.3	1.0	-		-	5.7	3.6		
30	A	14.35 22.2	0.9	+	-	+	21.0	12.0		
	H	14.35 22.5	1.0		+	+	14.6	24.9	5.5	3.8
	Z	14.35 22.3	0.8			-	19.6	21.3		
30	A	16.57 48.3	0.6	+	+	+	8.9	11.0		
	H	16.57 48.7	0.5		-		15.9	28.3	0.7	2.8
	Z	16.57 48.9	0.5	-		-	0.6	0.3		
30	A	17.04 58.7	0.7	+		-	1.9	1.2		
	H	17.04 59.2	1.0			+	4.4	4.9	3.6	3.1
	Z	17.04 58.6	0.5			+	4.5	6.8		
30	A	17.27 37.0	0.9	+		+	3.9	4.3		
	H	17.27 37.1	0.8				9.0	9.3	1.8	3.6
	Z	17.27 37.2	0.5				11.0	7.0		
30	A	17.29 36.6	0.9	+	-	+	1.6	1.5		
	H	17.29 36.7	0.8			-	5.3	5.6	2.1	3.1
	Z	17.29 36.4	0.5				5.3	3.0		
30	A	17.29 54.3	0.9	-		+	2.7	1.8		
	H	17.29 54.5	0.9			-	4.8	3.0	2.9	3.0
	Z	17.29 54.4	0.5				2.0	1.6		
30	A	21.05 02.5	1.0			+	12.5	3.4		
	H	21.05 03.2	1.3				2.0	1.8	6.7	3.9
	Z	21.05 02.6	1.0	-			2.0	4.1		
30	A	21.34 53.7	0.5	-		-	8.6	6.3		
	H	21.34 54.6	0.9			-	4.5	7.0	2.0	3.2
	Z	21.34 53.6	0.4	+	-	+	4.0	3.1		
30	A	23.21 44.0	1.0			-	2.4	1.4		
	H	23.21 44.1	0.7				7.2	10.6	3.9	3.0
	Z	23.21 43.7	0.8		+	+	0.6	1.2		
31	A	02.08 42.0	1.1	+	-	+	23.4	6.0		
	H	02.08 42.8	1.3	+	+	+	4.8	6.8	4.9	4.3
	Z	02.08 42.3	0.7		-	+	11.2	9.1		
31	A	05.00 17.1	1.0		-	+	8.4	5.3		
	H	05.00 17.2	1.0	+	+	+	9.0	12.8	6.4	3.7
	Z	05.00 17.3	1.0			-	3.0	1.8		
31	A	06.07 10.6	0.6		-	+	12.9	10.0		
	H	06.07 11.5	1.1	-	-		5.0	4.6	4.1	3.6
	Z	06.07 10.8	0.7	+	-	+	3.4	1.7		
31	A	08.10 00.1	1.0		-	+	4.6	6.3		
	H	08.09 59.7	0.5			+	6.4	6.1	3.5	3.7
	Z	08.09 59.9	1.0	-		-	4.3	1.3		
31	A	09.00 41.8	1.1				6.5	9.5		
	H	09.00 42.0	0.9		+	-	7.0	11.2	6.0	3.7
	Z	09.00 41.8	1.0				2.6	1.1		
31	A	16.16 56.2	0.9		-	+	0.8	0.7		
	H	16.16 56.2	1.0			-	4.8	6.8	4.6	2.7
	Z	16.16 55.1	0.7			+	1.3	1.7		
31	A	16.42 20.9	1.1		-	+	9.6	12.4		
	H	16.42 20.4	1.0	-	+	+	11.8	12.3	7.0	4.1
	Z	16.42 21.0	1.3	+	-	+	4.8	3.4		
31	A	17.30 47.8	0.8			+	0.7	1.5		
	H	17.30 47.9	0.7				2.2	1.4	1.1	3.1
	Z	17.30 47.1	0.4				4.2	3.3		
31	A	17.56 50.2	0.7			+	1.1	1.0		
	H	17.56 50.4	0.7		+		2.9	2.4	0.8	2.7
	Z	17.56 49.4	0.4	-		-	5.5	5.6		
31	A	18.04 10.3	1.1	-	-	+	2.9	5.4		
	H	18.04 10.4	1.0	+	+	-	10.0	7.8	6.1	3.5
	Z	18.04 10.3	1.0	+		+	2.4	1.6		
31	A	18.39 26.4	0.9				2.6	2.4		
	H	18.39 26.6	1.0	-			3.9	3.8	3.3	3.0
	Z	18.39 25.9	0.5				0.8	2.2		
31	A	18.45 00.6	1.2			+	2.0	1.8		
	H	18.45 01.0	1.1		+	-	2.8	4.5	1.8	3.2
	Z	18.45 01.3	0.7				2.8	1.1		
31	A	18.54 32.2	1.0		-	-	5.9	5.1		
	H	18.54 32.5	1.0				13.0	15.2	3.9	3.2
	Z	18.54 31.9	0.6				1.3	1.8		
31	A	22.17 21.8	0.5			-	+	6.5	5.0		
	H	22.17 22.6	0.7			-	+	7.7	6.7	3.1	3.1
	Z	22.17 21.9	0.7			-	-	0.6	2.0		
31	A	22.42 55.5	0.6		+		+	8.2	5.8		
	H	22.42 56.4	1.0				+	7.4	7.4	4.1	3.4
	Z	22.42 56.0	0.7				+	1.4	3.6		
31	A	23.01 20.9	0.8				+	3.0	2.3		
	H	23.01 21.1	0.8				-	3.0	2.0		2.9
	Z	23.01 20.1	0.4				+	2.9	2.6		

1966 April

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
01	A	00.32 37.1	1.0	+		+	5.2			
	H	00.32 37.3	0.6			-	8.0	5.6	0	4.1
	Z	00.32	0.7				19.8	12.2		
01	A	00.35 33.7	0.9				0.7	0.5		
	H	00.35 33.7	0.9				2.0	1.3	3.1	2.3
	Z	00.35 33.1	0.5			+	0.6	0.8		
01	A	00.37 10.7	0.9	+	-		3.7	3.4		
	H	00.37 10.9	1.0			-	5.4	3.4		3.3
	Z	00.37 09.4	0.5	+		+	10.4	7.2		
01	A	00.50 41.8	0.9			+	1.0	1.2		
	H	00.50 42.1	0.9			-	1.9	1.4		2.8
	Z	00.50 41.2	0.4			-	4.8	3.5		
01	A	01.34 14.6	1.0			+				
	H	01.34 14.7	1.0	-	+	-	4.6	3.5		2.7
	Z	01.34 13.7	0.4	+		+	4.5	4.1		
01	A	01.50 49.0	0.9			+				
	H	01.50 49.3	0.9				1.2	1.0	1.2	2.3
	Z	01.50 48.4	0.4				1.9	1.0		
01	A	01.56 54.9	0.9			+				
	H	01.56 55.2	0.9			-	2.3	1.4	0.7	2.3
	Z	01.56 54.4	0.4			+	1.7	1.7		
01	A	05.25 19.0	1.0			+	62.0	62.0		
	H	05.25 18.6	0.6	+	-	-			4.2	4.9
	Z	05.25 19.3	0.9	-	-		29.0	21.5		
01	A	06.12 26.8	0.5							
	H	06.12 27.5	1.0			+		11.1	1.6	3.4
	Z	06.12 26.5	0.4	-	-	+	12.1	11.0		
01	A	10.17 45.1	0.7							
	H	10.17 45.6	1.0		-		3.0	6.4	3.9	2.7
	Z	10.17 44.1	0.6				1.7	1.3		
01	A	10.40 30.6	1.0			-				
	H	10.40 31.2	1.1	+		+	14.4	12.1	6.9	3.9
	Z	10.40 31.1	1.2				4.4	6.0		
01	A	12.04 50.9	0.7			+				
	H	12.04 50.6	1.0	+		+	11.0	23.1	3.6	3.7
	Z	12.04 50.0	0.5				11.0	4.6		
01	A	13.47 19.3	1.1	-	-	+	13.3	4.6		
	H	13.47 19.2	0.9	-	-	-	9.6	13.8	5.3	4.0
	Z	13.47 19.6	0.9				4.8	3.3		
01	A	17.47 51.3	1.0	+	-	+	12.0	6.0		
	H	17.47 51.9	1.0	+	+		4.8	14.3	3.7	3.9
	Z	17.47 51.3	0.8	-	+		7.6	4.0		
01	A	18.24 25.8	0.7				0.8	1.4		
	H	18.24 26.2	1.0	-			2.9	3.0	3.1	2.6
	Z	18.24 25.6	0.5	-	+	-	1.3	2.0		
01	A	19.19 25.6	0.8	+	-	+	5.0	6.4		
	H	19.19 26.3	0.9				6.5	3.0	1.4	3.2
	Z	19.19 25.6	0.3			-	4.1	2.2		
01	A	20.21 08.1	0.6		+	-	7.0	6.5		
	H	20.21 08.8	1.0			-	3.9	9.0	1.8	3.3
	Z	20.21 07.8	0.3	+			7.0	7.5		
01	A	20.49 05.1	0.9	+	-	+	3.7	3.8		
	H	20.49 05.5	0.9	-		-	9.8	10.6	4.0	3.3
	Z	20.49 04.8	0.6	+		+	2.0	3.4		
01	A	22.18 54.9	0.9		-	+	9.7	9.0		
	H	22.18 55.1	0.9	-		-	6.8	8.1		3.6
	Z	22.18 54.3	0.3				7.4	6.0		
01	A	22.51 24.8	1.1	+		+	5.6	2.8		
	H	22.51 24.9	0.9				8.9	12.4	5.9	3.3
	Z	22.51 25.2	1.0			+	1.0	1.1		

Apr. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	23.33 32.1	1.0			+	1.8	1.8		
01	H	23.33 32.3	0.9		+	-	7.7	8.0	0	3.0
	Z	23.33 31.8	0.5			+	1.6	2.7		
	A	23.43 09.0	1.1	-		+	3.2	3.1		
01	H	23.43 09.4	1.0	-			10.6	9.7	3.1	3.4
	Z	23.43 09.0	0.7			+	2.2	3.7		
	A	00.41 44.6	0.8				9.3	15.4		
02	H	00.41 44.9	1.0		-		5.6	10.8	2.1	3.9
	Z	00.41 44.4	0.3				15.6	10.8		
	A	00.42 10.1	0.7		-	+	1.7	1.9		
02	H	00.42 10.7	0.8				2.0	3.1	1.7	2.7
	Z	00.42 10.0	0.3				3.0	3.2		
	A	05.32 39.7	0.8	-	-	+	2.6	2.8		
02	H	05.32 40.0	1.0	+	-		20.2	14.2	2.7	3.4
	Z	05.32 39.5	0.4				10.4	8.0		
	A	05.33 21.2	0.8			+	1.9	1.9		
02	H	05.33 21.6	0.9	-		-	3.9	2.9	1.4	2.7
	Z	05.33 20.9	0.3				2.4	2.1		
	A	05.44 13.7	0.8	+	-	+	5.4	6.7		
02	H	05.44 14.1	1.0	-	-		7.0	6.2	2.8	3.9
	Z	05.44 13.6	0.4				22.2	20.6		
	A	06.02 32.8	0.8				4.0			
02	H	06.02 33.2	0.9	+		-	6.0	3.2	2.7	2.9
	Z	06.02 32.6	0.4				1.4	2.1		
	A	06.02 39.6	0.8			+	18.4			
02	H	06.02 40.0	1.1					33.0	3.0	4.2
	Z	06.02 39.5	0.4				28.4	23.0		
	A	06.09 26.8	0.8	+		+	12.1			
02	H	06.09 27.4	1.1	-	-	-		16.6	3.3	3.9
	Z	06.09 26.7	0.5				10.1	8.0		
	A	06.35 01.7	0.9				3.6			
02	H	06.35 01.5	1.0	-	-	-	7.4	8.6	3.2	3.3
	Z	06.35 01.8	0.5				4.3	4.6		
	A	11.39 24.8	0.8			+	4.2	5.4		
02	H	11.39 25.2	0.9	-	-		5.6	8.0	2.4	3.4
	Z	11.39 24.9	0.4			+	5.2	3.3		
	A	12.10 03.4	0.9	-		+	4.6	5.4		
02	H	12.10 03.7	1.0					16.5	4.2	3.7
	Z	12.10 03.5	0.6			+	8.0	6.2		
	A	13.31 40.7	0.9			+	7.8			
02	H	13.31 41.2	1.0			-	9.3	13.1	4.6	3.7
	Z	13.31 40.8	0.7	+		+	5.5	5.7		
	A	13.33 30.4	1.5			+	2.4			
02	H	13.33 31.0				-	5.2	10.2		3.4
	Z	13.33 29.3	1.0			+	2.4	2.6		
	A	13.50 57.7	0.8			+	3.8			
02	H	13.50 58.4	0.9			-	6.6	12.6	3.4	3.1
	Z	13.50 57.7	0.5	+		+	2.0	3.0		
	A	14.33 58.9	0.9				2.7			
02	H	14.34 00.1	1.2				1.6	2.0	5.3	3.2
	Z	14.33 59.6	0.8			+	1.5	2.8		
	A	14.55 58.7	1.0			+	1.5			
02	H	14.55 59.1	1.0				4.5	5.2	2.9	2.8
	Z	14.55 58.8	0.6			+	1.3	1.6		
	A	14.58 48.0	0.9				2.7			
02	H	14.58 48.4	1.0			-	7.0	6.4	4.2	3.3
	Z	14.58 47.8	0.6			+	4.3	2.5		
	A	15.18 08.2	0.8	-			3.2			
02	H	15.18 09.2	1.2	+			3.0	3.9	2.6	3.3
	Z	15.18 08.6	0.5	-	-	+	7.4	5.4		
	A	15.36 18.2	0.8			-	2.6			
02	H	15.36 18.5	1.3	+		+	6.8	6.2	4.6	3.2
	Z	15.36 17.6	0.8			-	3.1	1.7		
	A	16.58 40.0	1.1				0.8	0.8		
02	H	16.58 40.2				-	5.4	3.8		3.0
	Z	16.58 39.6	0.8				5.7	2.1		
	A	18.52 23.1	0.8			+	2.4	2.8		
02	H	18.52 23.4	0.9	-	-	-	3.2	2.2	0	3.0
	Z	18.52 22.7	0.4	-			5.1	3.2		
	A	00.09 29.7	1.0	-		+	2.4	2.0		
03	H	00.09 29.6	1.0	-	-	-	6.7	5.9	4.1	3.1
	Z	00.09 29.5	0.6			+	3.1	3.0		
	A	01.59 57.3	0.6	+	+	+	46.2	8.8		
03	H	01.59 58.5	1.1	+	+	+	13.6	10.2	4.3	4.4
	Z	01.59 58.0	0.8		-	+	20.1	7.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	03.58 39.0	0.8		-	+	3.9	2.5		
03	H	03.58 39.6	1.0			+	5.4	2.8	3.2	3.
	Z	03.58 39.3	0.5		+	-	3.8	2.3		
	A	07.00 39.9	1.0			-	19.2	5.7		
03	H	07.00 40.9	1.4	+	+	+	9.6	13.6	5.8	4.
	Z	07.00 40.6	0.9			-	9.4	7.5		
	A	07.16 35.0	1.1		-	+	2.0	2.2		
03	H	07.16 35.4	1.2				1.8	1.2	2.4	3.
	Z	07.16 34.6	0.6	-		+	1.8	2.1		
	A	08.04 51.9	0.7		-		4.6	5.3		
03	H	08.04 52.8	0.9			-	2.1	2.2	1.3	3.
	Z	08.04 51.8	0.3	-			4.8	7.0		
	A	11.53 44.1	0.9	-	+		2.1	1.6		
03	H	11.53 44.3	1.0			-	9.6	9.4	3.3	2.
	Z	11.53 43.8	0.5			+	1.5	2.3		
	A	16.08 41.4	0.9	+		+	20.0	11.0		
03	H	16.08 42.6	1.1			+	4.6	1.9	5.4	3.
	Z	16.08 42.3	0.8			+	1.8	0.7		
	A	18.06 37.0	1.0					0.4		
03	H	18.06 37.0	0.9				2.0	1.6		2.
	Z	18.06 36.3	0.6		+	+	1.1	1.0		
	A	19.22 43.4	0.6			-	46.9	10.7		
03	H	19.22 43.8	0.9	+		+	3.3	2.1	3.9	3.
	Z	19.22 44.0	0.8	-	+	-	0.6	1.0		
	A	20.00 44.9	1.2			+	1.2	0.9		
03	H	20.00 45.2	1.0			-	3.0	3.4		2.
	Z	20.00 44.8	1.0			+	1.2	1.4		
	A	20.16 50.9	1.0		-	+	4.5	2.5		
03	H	20.16 50.7	0.9	+		+	4.9	7.2	6.1	3.
	Z	20.16 51.2	1.1				0.9	0.4		
	A	21.50 07.8	1.1			+	1.6	2.0		
03	H	21.50 08.1	1.1			-	5.5	3.0	7.4	3.
	Z	21.50 07.7	1.2			+	0.9	0.9		
	A	21.51 18.4	1.1			+	2.1	1.2		
03	H	21.51 18.5	1.2				6.0	8.3	3.6	2.
	Z	21.51 18.5	0.6			+	1.1	1.3		
	A	21.56 02.9	0.8			+	0.6	0.5		
03	H	21.56 03.6	1.0				3.6	2.4	3.5	2.
	Z	21.56 02.8	0.5				1.0	0.9		
	A	22.14 14.5	0.8				1.6	1.2		
03	H	22.14 15.1	1.3				2.3	2.3	4.9	2.
	Z	22.14 14.7	0.8			+	1.2	1.1		
	A	22.37 18.7	0.9				1.4	1.0		
03	H	22.37 19.9	1.0				1.6	1.2	4.1	2.
	Z	22.37 19.1	0.6			+	0.7	1.2		
	A	23.32 20.8	1.3				4.2	5.4		
03	H	23.32 21.0	1.0		-		6.8	7.5	6.9	3.
	Z	23.32 21.5	1.2				0.9	0.7		
	A	23.47 51.6	0.7	+		+	73.8			
03	H	23.47 52.3	1.0				22.0	15.5	4.6	4.
	Z	23.47 52.2	0.7				9.7	10.9		
	A	00.11 42.8	0.6		-	+	14.2	11.2		
04	H	00.11 43.1	0.9	-	-		13.0	30.4	3.3	4.
	Z	00.11 43.0	0.5		+		14.9	10.7		
	A	00.24 49.5	0.6				19.3	4.6		
04	H	00.24 50.6	1.1	-	+		10.0	11.6	3.4	3.
	Z	00.24 49.7	0.7			+	2.7	4.1		
	A	01.45 51.6	1.0		-		11.8	10.5		
04	H	01.45 51.2	0.9	-	+	-	23.3	17.6	6.2	3.
	Z	01.45 52.1	1.1				3.1	2.1		
	A	02.23 56.3	1.2				63.2	6.5		
04	H	02.23 57.4	1.0		+	+	24.0	16.0	6.7	4.
	Z	02.23 57.0	1.1	-		-	5.3	2.8		
	A	02.31 44.8	1.0	-		+	7.0			
04	H	02.31 44.6	1.0		+	+	13.5	7.7	5.9	3.
	Z	02.31 45.1	0.9	-		-	3.0	1.8		
	A	04.01 10.2	1.0	-		+	5.4			
04	H	04.01 10.4	0.8			+	6.8	8.0	5.7	3.
	Z	04.01 11.0	1.1			+	1.5	1.0		
	A	04.01 21.8	1.0			+	2.0			
04	H	04.01 22.0	0.8			+	2.8	5.7	5.8	3.
	Z	04.01 22.5	1.1			+	1.1	0.6		
	A	04.24 01.1	1.0			+	6.3			
04	H	04.24 01.4	0.9	-		-	26.0	18.8	5.6	3.
	Z	04.24 01.7	0.9	-		-	5.3	2.5		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Apr. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	04.52 01.2	0.6	-		-	10.4			
04	H	04.52 02.4	1.0				4.5	2.2	3.9	3.3
	Z	04.52 02.2	0.7			-	1.3	1.8		
	A	05.33 44.0	1.0				10.4			
04	H	05.33 43.5	1.0			+	9.0	13.0	6.4	3.7
	Z	05.33 44.2	1.0	-		-	2.0	1.4		
	A	06.14 03.9	0.8				2.5	2.2		
04	H	06.14 04.7	1.1			+	3.7	3.4	4.8	2.9
	Z	06.14 04.3	0.7				1.3	1.2		
	A	06.42 36.8	1.1	-		+	0.7	0.7		
04	H	06.42 37.1	1.0				3.5	1.4	1.4	2.7
	Z	06.42 36.7	0.6			+	2.4	2.2		
	A	07.06 46.2	0.9			+	1.0	0.8		
04	H	07.06 46.6	0.9	+			3.0	4.8	2.7	2.6
	Z	07.06 46.0	0.5				1.6	1.0		
	A	07.29 16.1	0.8			+	4.8	3.3		
04	H	07.29 17.1	0.9	-			3.4	1.8	3.4	3.0
	Z	07.29 17.1	0.5			+	1.9	1.4		
	A	09.04 31.8	1.1	+	-	+	4.2	2.9		
04	H	09.04 32.4	1.0		-	-	7.0	11.8	4.0	3.5
	Z	09.04 32.1	0.7			+	4.7	3.4		
	A	11.12 01.7	1.1				12.2	5.1		
04	H	11.12 02.1	1.0				7.2	14.4		3.9
	Z	11.12 02.3	1.0	-		-	3.5	2.2		
	A	11.31 12.5	0.7	-		+	2.7	1.8		
04	H	11.31 13.0	1.0				3.8	7.1	3.2	3.1
	Z	11.31 12.8	0.5			-	4.8	3.0		
	A	14.25 33.6	0.8				47.1	11.0		
04	H	14.25 3 .9	1.5				3.3	3.0	3.5	4.0
	Z	14.25 34.3	0.9			-	2.2	1.1		
	A	14.57 20.9	0.8				0.7	0.7		
04	H	14.57 21.3	1.0				2.2	1.1	1.9	2.5
	Z	14.57 20.8	0.3			+	2.6	1.4		
	A	15.20 45.2	1.1		+		2.7	4.3		
04	H	15.20 45.1	0.9		+	+	14.0	13.7	4.5	3.3
	Z	15.20 45.8	0.8				2.0	2.0		
	A	15.43 33.5	0.7		-	+	3.2	4.2		
04	H	15.43 33.9	0.9			-	5.2	5.0	2.0	3.2
	Z	15.43 33.2	0.3		+		3.3	6.1		
	A	20.41 41.0	1.1		-		3.8	5.4		
04	H	20.41 41.4	1.1	+	+	+	6.8	13.4	7.5	3.3
	Z	20.41 41.8	1.1			+	0.5	0.8		
	A	22.11 28.4	0.9	-		-	7.6	3.5		
04	H	22.11 29.6	1.3			+	5.8	10.4	4.0	3.5
	Z	22.11 28.8	0.6			+	2.6	3.3		
	A	22.14 48.8	0.8				0.4	0.8		
04	H	22.14 49.5	1.0			-	1.4	0.6	2.5	2.2
	Z	22.14 48.6	0.4				0.3	0.8		
	A	00.26 36.6	0.8			+	12.5	7.0		
05	H	00.26 38.4	1.0	+			6.2	4.7	4.8	3.8
	Z	00.26 38.0	0.7	+		+	5.8	2.7		
	A	02.39 24.3	1.0	-		+	2.4			
05	H	02.39 24.6	1.0			+	2.7	6.2		3.3
	Z	02.39 24.2	1.0			+	2.7	4.1		
	A	03.13 34.1	0.7			-	14.0			
05	H	03.13 35.9	1.0		+	+	5.7	4.6	4.9	3.4
	Z	03.13 36.1	1.1			-	0.9	1.0		
	A	04.15 39.5	1.0				2.0			
05	H	04.15 39.9	1.1	-		-	7.6	5.5		3.0
	Z	04.15 39.4	0.9			+	4.6	2.2		
	A	04.38 39.9	0.9				2.7			
05	H	04.38 40.8	1.3			+	3.1	3.6	5.0	3.1
	Z	04.38 40.3	0.7			+	2.2	2.4		
	A	05.22 07.5	0.8			-	2.4			
05	H	05.22 08.6	1.1	+			3.1	1.5	2.9	2.9
	Z	05.22 07.6	0.4			+	3.0	2.1		
	A	05.44 23.8	0.4	+		+	4.4			
05	H	05.44 24.8	0.8	+	+	+	10.0	14.5	2.3	2.6
	Z	05.44 24.6	0.5				0.9	1.1		
	A	06.33 31.5	0.5				4.4			
05	H	06.33 32.3	1.0			+	2.7	4.5	2.3	3.1
	Z	06.33 31.8	0.4			-	4.2	4.0		
	A	06.56 05.4	0.9			+	3.2			
05	H	06.56 05.7	1.0				10.8	8.0	3.9	3.1
	Z	06.56 05.3	0.6			+	2.6	2.4		
	A	07.03 49.8	0.9	-		+	2.8			
05	H	07.03 50.2	1.2			-	3.6	7.4	4.7	3.2
	Z	07.03 49.6	0.8			+	1.1	2.3		
	A	07.29 15.4	1.0			+	0.8			
05	H	07.29 15.7	0.9			-	5.4	6.3	2.2	2.6
	Z	07.29 15.2	0.6			+	1.3	1.4		
	A	08.30 00.3	0.6				1.4			
05	H	08.30 00.5	0.7	-			3.3	4.2	2.4	2.5
	Z	08.30 00.0	0.5			-	1.3	0.8		
	A	12.30 48.6	1.2	+	-		3.5	5.0		
05	H	12.30 48.4	1.0		+	+	12.8	13.2	6.4	3.5
	Z	12.30 48.7	1.1	+		+	2.1	1.2		
	A	13.03 48.0	1.0	+		+	1.4	2.3		
05	H	13.03 48.2	1.0				4.2	3.4		3.0
	Z	13.03 47.5	0.6			+	3.6	3.0		
	A	13.12 46.2	0.8	+		+	5.2	3.6		
05	H	13.12 46.4	0.9	-	-		10.2	8.0	3.0	3.3
	Z	13.12 45.6	0.5			+	2.7	4.2		
	A	16.29 45.5	0.9	+	-	+	6.5	3.0		
05	H	16.29 46.0	0.8				6.0	14.8	3.7	3.7
	Z	16.29 45.3	0.7	-			8.9	7.8		
	A	16.30 32.0	0.8			+	1.5	1.8		
05	H	16.30 31.8	0.8				4.6	4.0	2.4	3.0
	Z	16.30 31.4	0.5			-	3.7	1.9		
	A	16.58 14.7	0.9		-	+	2.4	1.5		
05	H	16.58 14.9	0.9				2.6	1.7		2.9
	Z	16.58 14.2	0.5			+	2.6	1.5		
	A	17.04 06.1	1.0	-	-	+	8.0	5.5		
05	H	17.04 06.4	0.8		+	+	12.8	10.7	5.5	3.4
	Z	17.04 06.7	1.0				0.9	0.9		
	A	17.51 18.9	1.5	-		+	60.0	53.0	4.3	5.1
05	H	17.51 18.1	0.8		+	+				
	Z	17.51 19.2	1.5	-		-	9.0	14.0		
	A	18.35 18.6	1.5	-	-	-	15.4	18.6		
05	H	18.35 17.9	0.9	+	+	-	43.4	22.0	5.7	4.1
	Z	18.35 18.8	1.5			-	1.6	1.4		
	A	18.44 33.0	1.5	-	-		19.3	15.4		
05	H	18.44 32.4	1.1	-	+	+			7.9	4.4
	Z	18.44 33.4	1.6			+	5.0	2.4		
	A	18.57 02.4	1.1	-	-	+	4.2	6.4		
05	H	18.57 03.6	0.5	+	+	+	9.2	12.4	3.2	3.5
	Z	18.57 02.6	1.0			+	1.9	1.2		
	A	18.59 44.6	1.0		+	+	5.2	3.5		
05	H	18.59 45.0	0.9	-	+	-	10.4	15.6	2.9	3.4
	Z	18.59 44.2	0.6			+	3.2	3.3		
	A	19.02 25.0	1.0	+	-	+	2.9	2.2		
05	H	19.02 25.0	1.2				6.9	5.4	3.1	3.6
	Z	19.02 24.7	0.5			+	12.1	10.0		
	A	23.51 31.7	1.2	+	-	+	12.0	10.4		
05	H	23.51 31.9	1.2	-	-		28.6	38.9	3.7	4.3
	Z	23.51 31.5	0.7			+	15.4	17.6		
	A	23.51 56.7	1.0	+	-	+	3.4	3.5		
05	H	23.51 56.6	1.0	-			14.7	13.9	4.0	3.6
	Z	23.51 56.2	0.6				8.5	7.7		
	A	23.52 46.7	1.0	-	+		2.6	2.8		
05	H	23.52 46.7	1.0	-	+	-	15.4	14.5	4.4	3.3
	Z	23.52 46.2	0.7			+	2.6	3.9		
	A	02.07 12.5	0.6			+	13.8			
06	H	02.07 13.1	0.8				4.6	6.9	3.8	3.3
	Z	02.07 12.9	0.8			-	1.2	1.0		
	A	02.48 48.2	0.8	+		+	4.2			
06	H	02.48 48.5	0.9			-	9.6	10.1	3.4	2.9
	Z	02.48 48.0	0.5			-	3.1	2.2		
	A	04.05 41.2	0.8				12.8			
06	H	04.05 41.3	0.8		+	+	9.2	16.3	4.8	3.5
	Z	04.05 41.8	0.9			-	1.5	1.2		
	A	05.41 38.6	0.7			+	10.8			
06	H	05.41 38.5	0.9	+			7.4	14.0	5.1	3.5
	Z	05.41 39.0	1.0				1.5	0.8		
	A	07.15 15.2	0.6		-	+	4.4	3.6		
06	H	07.15 15.5	0.9	+		+	8.0	10.4	3.8	3.2
	Z	07.15 15.0	0.6	-		-	3.6	1.3		
	A	07.15 26.8	0.5		-	+	2.5	3.4		
06	H	07.15 27.3	1.0			+	3.1	4.5	3.3	2.8
	Z	07.15 26.6	0.6	-		-	1.4	0.8		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Apr. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
06	A	09.01 29.1	0.8		-	+	6.4	4.3		
	H	09.01 28.7	0.8				7.5	20.9	4.6	4.4
	Z	09.01 29.1	0.8	-		-	2.5	1.2		
06	A	11.12 06.8	0.5			+	3.8	2.8		
	H	11.12 06.9	0.9				1.8	1.9	3.4	2.9
	Z	11.12 06.4	0.7			+	1.6	1.2		
06	A	11.38 38.5	0.5				24.6			
	H	11.38 39.1	1.0	+	+		13.5	12.2	3.4	4.1
	Z	11.38 38.5	0.7			-	8.6	14.3		
06	A	21.40 45.8	0.5			+	8.6			
	H	21.40 46.7	1.1				2.6	1.8	3.4	3.4
	Z	21.40 46.2	0.8				3.4	2.8		
06	A	21.55 28.4	1.0				2.2			
	H	21.55 29.0	0.9	+		+	5.0	5.4	0.8	3.2
	Z	21.55 28.4	0.5				3.4	2.0		
07	A	00.55 16.8	0.6			-		1.2		
	H	00.55 17.6	0.9				2.9	1.7	4.0	2.9
	Z	00.55 16.8	0.7				2.0	2.6		
07	A	01.01 37.0	0.8			-		3.5		
	H	01.01 37.7	1.0			+	4.4	8.1	3.6	3.4
	Z	01.01 36.8	0.5			+	3.8	3.8		
07	A	02.46 13.7	0.3		-			43.9		
	H	02.46 14.1	0.8	+	+		12.6	11.0	2.1	3.8
	Z	02.46 14.1	0.8			-	1.9	2.0		
07	A	03.31 09.4	0.6			+		7.7		
	H	03.31 09.8	1.0	+	+	+	4.7	4.5	3.7	3.4
	Z	03.31 09.7	0.7	-		-	2.9	2.1		
07	A	03.58 38.4	0.7				1.0	1.8		
	H	03.58 38.7	1.0			+	1.8	3.2	3.5	3.0
	Z	03.58 38.0	0.5				1.1	2.8		
07	A	06.49 32.8	0.7	-	-	+	4.9	9.4		
	H	06.49 33.4	0.9		+	+	9.2	16.6	4.2	3.7
	Z	06.49 34.0	1.0			-	2.2	1.6		
07	A	07.13 27.9				+		3.5		
	H	07.13 28.0		-	-	-	7.2	3.3		3.1
	Z	07.13 27.4					11.5	11.9		
07	A	08.13 18.6	1.1			+		23.6		
	H	08.13 18.4	1.0	+	+		19.8	15.8		3.9
	Z	08.13 18.9	1.1	+	+		4.8	2.9		
07	A	08.25 40.0	0.8		-	+		20.8		
	H	08.25 40.2	0.9		+	+	9.8	13.3	4.9	4.1
	Z	08.25 40.8	1.1	+			5.5	3.8		
07	A	08.38 33.6	0.7			-		10.2		
	H	08.38 34.2	0.9				2.6	4.2	4.5	3.6
	Z	08.38 33.7	0.7				1.6	4.1		
07	A	10.29 06.1	0.4		-	+		2.7		
	H	10.29 05.7	0.9			-	2.6	2.5	2.5	3.2
	Z	10.29	0.6				4.5	4.6		
07	A	12.10 42.9	0.8				8.3	9.5		
	H	12.10 41.8	0.8		+		15.8	5.7	5.0	3.7
	Z	12.10 43.4	1.0	-		-	2.5	1.6		
07	A	12.41 54.4	0.6		+			1.7		
	H	12.41 53.4	0.7				7.0	9.1	3.4	3.7
	Z	12.41 54.7	0.9			-	2.4	0.8		
07	A	14.31 02.4	0.8		+			8.8		
	H	14.31 01.4	0.8		+	+	5.8	8.6	5.0	3.7
	Z	14.31 02.8	0.9	-			3.2	1.6		
07	A	18.05 21.7	0.8		+			3.3		
	H	18.05 20.7	0.9		-	-	11.7	12.6	3.3	3.6
	Z	18.05 21.6	0.5	+		+	5.0	3.4		
07	A	18.08	0.8					0.8		
	H	18.08 04.8	0.8			-	2.0	2.6	1.8	2.6
	Z	18.08 05.5	0.4			-	2.3	0.8		
07	A	18.16 16.1	0.9					1.5		
	H	18.16 15.2	0.8			-	9.1	12.0	3.2	3.4
	Z	18.16 15.9	0.6			+	4.2	3.4		
07	A	19.26 12.9	0.8		+			1.5		
	H	19.26 12.0	0.9	-	-		7.6	10.0	4.2	3.4
	Z	19.26 12.5	0.6			+	2.8	4.3		
08	A	00.47 00.2	0.6		+			9.5		
	H	00.46 59.9	1.0		+		17.2	1.6	3.5	3.8
	Z	00.47 00.4	1.1				2.4	1.6		
08	A	04.10 36.0	0.4		+			9.1		
	H	04.10 35.9	1.0			+	6.1	5.3	2.5	3.3
	Z	04.10 36.7	0.6			+	3.0	1.0		
08	A	04.26 16.5	0.6		+			33.0	1.2	
	H	04.26 16.0	1.0			-		34.5	2.0	4.0
	Z	04.26 16.9	1.0	-		-		34.4	2.0	
08	A	05.28 34.8	0.6		-				2.1	
	H	05.28 34.3	1.3					3.1	6.0	1.4
	Z	05.28 34.6	0.6			+		2.0	1.7	
08	A	08.08 56.7	0.5		+				0.8	
	H	08.08 56.0	0.8			-		4.8	4.2	2.5
	Z	08.08 56.6	0.5			-		3.8	1.4	
08	A	08.41 58.6	0.4		+			58.6	0.4	
	H	08.41 58.4	0.8					59.4	0.8	2.6
	Z	08.41 59.0	0.9	-		-		59.4	0.9	
08	A	08.58 49.0	0.5		+				2.8	
	H	08.58 48.0	1.0	+				6.5	12.6	3.0
	Z	08.58 49.2	1.0					1.6	0.8	
08	A	08.59 52.9	0.9		+				2.0	
	H	08.59 51.9	0.6			-		8.5	9.1	3.5
	Z	08.59 53.1	0.8			-		2.2	0.8	
08	A	09.56 52.2	0.5						1.0	
	H	09.56 52.0	0.9			+		2.6	2.4	2.1
	Z	09.56 51.8	0.4			+		7.4	8.3	
08	A	10.57 10.9	1.0						1.4	
	H	10.57 10.1	1.0					4.8	4.4	2.9
	Z	10.57 10.4	0.5			+		1.0	4.7	
08	A	12.22 07.5	0.9						0.8	
	H	12.22 07.8	0.9			-		3.0	2.9	1.5
	Z	12.22 07.2	0.4					5.0	2.6	
08	A	12.52 41.8	0.9		+				3.2	
	H	12.52 42.0	0.9					11.2	8.6	3.1
	Z	12.52 41.3	0.5	-		+		3.0	1.5	
08	A	14.01 57.9	0.6						2.0	
	H	14.01 58.0	0.8			-		4.4	7.0	1.2
	Z	14.02 01.9	0.3					5.6	3.6	
08	A	14.28 42.1	0.6		-	-		5.2	7.8	
	H	14.28 42.5	1.2			-		7.1	7.5	2.6
	Z	14.28 41.5	0.5			+		11.9	7.0	
08	A	15.06 26.1	0.5	+	+	+		8.0	8.8	
	H	15.06 26.1	1.0			+		3.0	3.4	3.6
	Z	15.06 26.3	0.7			-		3.6	2.6	
09	A	02.08 25.9	0.7			+		4.0	4.1	
	H	02.08 26.1	1.1			+		11.5	13.0	4.6
	Z	02.08 25.4	0.7			+		6.4	6.8	
09	A	02.14 57.8	1.1		-	+		1.6	2.4	
	H	02.14 57.6	0.9					5.3	8.6	2.8
	Z	02.14 56.9	0.7			+		2.4	2.0	
09	A	02.17 04.9	0.7			+		3.0	2.6	
	H	02.17 05.5	0.5					9.8	6.8	1.7
	Z	02.17 04.3	0.6			+		7.9	8.4	
09	A	02.19 16.6	1.0		-			1.8	2.3	
	H	02.19 16.5	0.9					8.6	4.3	2.3
	Z	02.19 15.9	0.5			+		4.0	1.8	
09	A	02.59 55.7	0.7		-	+		1.0	2.0	
	H	02.59 55.9	0.9					2.3	2.5	1.4
	Z	02.59 55.2	0.3			+		2.2	2.0	
09	A	03.50 25.3	1.0					1.6	2.5	
	H	03.50 25.5	1.2					3.9	4.2	3.0
	Z	03.50 25.2	0.5					6.6	2.5	
09	A	03.50 36.1	0.9			+		3.1	3.5	
	H	03.50 36.2	1.0	-		-		7.0	8.5	3.6
	Z	03.50 35.5	0.5			+		5.6	5.4	
09	A	04.35 16.2	0.6	-	+	+		8.0	7.0	
	H	04.35 16.3	1.1		-	-			23.4	3.4
	Z	04.35 15.8	0.6			+		10.8	18.4	
09	A	06.00 25.1	0.7						3.8	
	H	06.00 25.5	1.0			+		2.7	4.6	4.4
	Z	06.00 25.2	0.7					4.7	1.6	
09	A	06.39 14.5	0.8						2.2	
	H	06.39 14.6	0.9		-	-		5.3	6.6	3.5
	Z	06.39 14.1	0.5					1.6	1.0	
09	A	09.48 57.1	0.9	+	-	-		3.2	3.4	
	H	09.48 57.9	1.5			+		3.0	3.8	3.3
	Z	09.48 56.8	0.7			+		5.0	2.5	
09	A	11.24 26.3	0.7			+		2.7	4.4	
	H	11.24 26.8	0.9					5.4	4.0	2.1
	Z	11.24 26.3	0.3					6.0	6.5	

International Seismological Centre

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	11.24 28.3	0.7				4.8	6.8		
09	H	11.24 29.1	0.6				11.1	11.6		3.7
	Z	11.24 28.3	0.4				9.6	20.3		
	A	11.28 48.4	0.5	-	+	+	3.2	8.0		
09	H	11.28 48.5	0.6	-	-	-	8.0	8.8		3.4
	Z	11.28 48.1	0.4				12.2	10.2		
	A	12.35 02.5	1.1					1.6		
09	H	12.35 02.4	1.0				3.8	6.1	6.5	3.3
	Z	12.35 02.4	1.0				2.5	2.4		
	A	13.24 45.9	0.6	-		+	1.0	2.2		
09	H	13.24 45.9	0.8				2.4	2.0	2.3	3.0
	Z	13.24 45.3	0.4			+	5.8	4.4		
	A	17.19 30.4	0.7	-		+	3.3	2.6		
09	H	17.19 30.3	0.7			+	7.6	5.2		3.0
	Z	17.19 29.4	0.5				16.3	12.6		
	A	17.32 15.2	0.8			+	1.9	2.1		
09	H	17.32 15.4	0.9			+	3.8	7.4	3.3	3.3
	Z	17.32 14.9	0.5			+	3.6	2.1		
	A	19.14 34.9	0.7			+	0.6	0.7		
09	H	19.14 34.9	0.9			-	2.5	1.7	1.4	2.5
	Z	19.14 34.0	0.3			+	3.0	0.9		
	A	20.23 45.6	0.9	-	-	+	2.5	4.8		
09	H	20.23 45.5	0.9			-	7.8	9.0	5.5	3.5
	Z	20.23 45.8	1.0			+	1.6	1.0		
	A	21.46 04.3	0.8			+	6.2	8.1		
09	H	21.46 04.4	1.0				8.4	5.8	5.5	3.7
	Z	21.46 04.7	1.1			+	1.9	0.6		
	A	23.15 59.6	0.5	-		+	26.6	45.6	3.3	4.1
09	H	23.16 00.1	0.7							
	Z	23.16 00.2	0.9	-		-	4.0	2.2		
	A	02.49 13.4	0.7			-	1.5	1.4		
10	H	02.49 13.7	0.9			-	5.0	3.5	3.0	3.0
	Z	02.49 13.1	0.5			+	2.0	4.0		
	A	03.06 00.7	0.8				1.0	0.8		
10	H	03.06 00.7	0.8				7.6	5.3	3.1	2.9
	Z	03.06 00.1	0.5			+	3.1	2.0		
	A	06.02 27.7	0.5			+	14.4	8.2		
10	H	06.02 28.5	1.2			+	3.0	6.0	2.9	3.8
	Z	06.02 27.9	0.7	-	+	-	7.7	6.1		
	A	06.54 55.6	0.7	-		+	9.6	3.7		
10	H	06.54 55.3	0.8			-	10.3	19.3	4.4	3.9
	Z	06.54 55.6	0.9			-	3.4	1.8		
	A	09.28 21.2	0.8				1.2	1.5		
10	H	09.28 21.3	1.1				1.6	3.4	4.8	3.1
	Z	09.28 20.5	0.7			+	1.6	1.6		
	A	11.45 48.1	0.9		+	+	3.8	5.6		
10	H	11.45 48.1	0.9				10.6	13.8	5.1	3.7
	Z	11.45 48.0	0.8				2.8	2.0		
	A	12.08 39.6	0.4			+	27.2	15.5		
10	H	12.08 40.5	1.1				4.6	4.5	2.6	3.7
	Z	12.08 39.8	0.9			-	5.6	4.9		
	A	14.01 41.7	0.9	-	-	+	6.0	8.5		
10	H	14.01	0.8				4.8	12.4	5.2	3.7
	Z	14.01 42.2	1.0			-	3.0	2.0		
	A	15.01 42.5	0.8			+	1.6	2.6		
10	H	15.01 42.5	0.7			-	5.8	6.1	3.0	3.1
	Z	15.01 42.0	0.6			-	1.9	1.6		
	A	15.46 58.6	0.9	-		+	16.3	9.0		
10	H	15.46 57.9	0.8	+		-	6.4	13.9	4.6	3.8
	Z	15.46 58.5	1.0			-	2.9	1.3		
	A	16.12 03.9	0.4	-		+	17.6	10.9		
10	H	16.12 04.7	0.9	+			9.3	9.2	2.7	3.5
	Z	16.12 04.2	0.6		+	-	2.2	2.7		
	A	18.19 48.3	0.7	-		+	21.9	14.7		
10	H	18.19 47.9	0.7			+			3.8	2.8
	Z	18.19 48.3	1.0	-		-	5.8	3.6		
	A	18.36 30.5	0.6	-		+	7.8	5.4		
10	H	18.36 30.7	1.0			+	4.6	7.5	4.2	3.5
	Z	18.36 30.6	1.0			+	1.4	1.0		
	A	21.55 46.1	0.8					24.7		
10	H	21.55 45.7	0.9			+	8.4	5.6	5.0	3.8
	Z	21.55 46.2	1.1			-	1.5	0.9		
	A	22.04 45.2	1.0				4.7	3.1		
10	H	22.04 44.7	0.9			+	8.5	6.2	4.4	3.4
	Z	22.04 45.7	1.1			+	1.2	1.0		
	A	22.59 04.3	0.8	-		+	8.6	5.8		
10	H	22.59 03.9	0.9		+	+	11.4	7.3	4.6	3.7
	Z	22.59 04.2	1.2			+	2.0	2.0		
	A	23.14 17.0	0.9	-		+	8.3	9.6		
10	H	23.14 16.9	1.0		-	+	6.3	9.2	6.2	3.7
	Z	23.14 17.0	1.0	+		+	1.0	1.6		
	A	23.15 24.5	0.8	+			7.2	8.0		
10	H	23.15 24.3	0.9		+	+	17.0	21.7	5.0	3.7
	Z	23.15 24.6	1.0			-	1.2	1.0		
	A	01.23 52.4	0.7	-			18.9	8.9		
11	H	01.23 52.1	0.8		+	+	7.2	10.7	2.5	3.8
	Z	01.23 52.5	1.2			+	2.4	1.2		
	A	02.59 37.3	0.8			-	17.3	15.9		
11	H	02.59 37.5	1.3			+		20.6	4.4	4.5
	Z	02.59 36.5	0.6				15.4	19.9		
	A	03.00 44.6	0.6	-			9.0	4.0		
11	H	03.00 44.6	0.8			+		18.9	4.1	3.8
	Z	03.00 44.7	0.9			-	3.3	2.5		
	A	04.57 26.9	0.7		-	+	20.0	35.0		
11	H	04.57 27.3	0.9				42.0	39.0	3.4	4.5
	Z	04.57 26.4	0.5	+	+	+	24.0	28.0		
	A	05.30 16.5	0.5				5.2	5.9		
11	H	05.30 17.4	0.9				6.3	8.8	2.6	3.2
	Z	05.30 16.6	0.5			-	1.6	1.0		
	A	05.45 08.4	0.6					0.4		
11	H	05.45 08.6	0.9				1.2	0.8	1.9	2.2
	Z	05.45 07.9	0.3			-	3.0	1.4		
	A	05.53 37.1	0.8				0.5	0.9		
11	H	05.53 37.1	0.9			-	4.8	4.0	3.8	2.9
	Z	05.53 36.4	0.5			+	2.0	1.8		
	A	04.58 31.1	0.8	+	-	+	26.5	22.0		
11	H	04.58 30.7	0.7	-	-	-	31.0	25.0	1.5	4.5
	Z	04.58 30.0	0.5	+	+	+	30.0	23.0		
	A	06.06 16.1	0.6	+	-	+	24.0	24.0		
11	H	06.06 16.5	0.8	-	-		33.0	35.0	3.0	4.5
	Z	06.06 15.6	0.5	+	+	+	33.0	36.0		
	A	06.06 31.5	0.5	-		+	3.6	5.0		
11	H	06.06 32.1	0.8			-	3.8	4.1	1.2	3.2
	Z	06.06 31.3	0.4	-		-	6.0	6.1		
	A	06.08 18.0	0.6				0.4	1.6		
11	H	06.08 18.6	0.8		-	+	5.8	4.0	2.9	3.2
	Z	06.08 17.7	0.5			+	3.4	1.8		
	A	08.02 17.2	0.5				0.7	0.8		
11	H	08.02 17.3	0.8				2.7	1.7	1.3	2.5
	Z	08.02 16.5	0.3				3.6	1.8		
	A	08.53 22.3	0.5				9.8	6.8		
11	H	08.53 22.6	0.9			-	7.0	4.2		3.3
	Z	08.53 21.6	0.7			+	8.1	11.8		
	A	14.50 26.9	0.7	-		+	18.8	13.6		
11	H	14.50 26.8	1.0		-		14.4	16.4	5.7	4.3
	Z	14.50 27.2	0.9			-	10.0	7.6		
	A	16.01 12.2	0.8				2.2	1.9		
11	H	16.01 12.4	1.1			-	3.2	2.0	2.5	3.2
	Z	16.01 11.5	0.4			+	4.5	3.8		
	A	17.20 31.5	1.0				3.9	7.0		
11	H	17.20 32.2	1.4		+	+	7.8	5.0	6.4	3.7
	Z	17.20 31.8	0.9	+	-	+	2.5	1.7		
	A	18.28 57.0	0.8	-		+	8.1	8.9		
11	H	18.28 57.3	0.7			+	5.4	11.7	4.6	3.6
	Z	18.28 57.7	0.9			-	1.6	0.8		
	A	20.39 54.6	0.8	-	-	+	8.0	5.4		
11	H	20.39 54.7	0.4			-	15.8	13.2	1.7	3.2
	Z	20.39 54.5	0.8			-	0.8	0.6		
	A	00.45 14.5	0.9		-	+	15.0	7.8		
12	H	00.45 14.2	0.9	+	-	+	8.6	13.8	5.1	3.8
	Z	00.45 14.8	1.2			+	1.2	0.4		
	A	03.13	0.6			+	6.0	5.3		
12	H	03.13 27.0	0.8				7.6	9.6	4.0	3.5
	Z	03.13 27.0	1.0			-	2.8	1.4		
	A	04.03 11.5	0.7				0.5	0.5		
12	H	04.03 12.1	1.0			-	1.7	2.2	2.3	2.5
	Z	04.03 10.7	0.3			+	2.1	1.1		
	A	05.33 08.7	0.8			+	13.0	10.1		
12	H	05.33 09.5	1.3			-	2.4	3.5	5.5	4.3
	Z	05.33 09.0	1.0	-		-	3.1	3.6		

Apr. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.05 58.7	0.5		-	+	9.8	6.6		
12	H	14.05 58.8	0.9			+	9.0	18.1	3.6	3.7
	Z	14.05 58.8	0.9			-	1.6	1.0		
	A	14.16 58.0	0.9		-	+		16.9		
12	H	14.16 57.5	1.0		+	+	15.0	9.0	6.0	4.0
	Z	14.16 58.3	1.1	-			2.0	1.8		
	A	17.50 59.2	1.0			+		14.4		
12	H	17.50 58.8	0.9			+	5.7	14.7	6.3	3.9
	Z	17.50 59.4	1.1			+	1.3	1.0		
	A	19.53 49.9	0.5		-	+	72.1	41.9		
12	H	19.53 49.6	1.0		+	+	14.7	28.3	3.0	4.3
	Z	19.53 50.0	0.9			-	4.8	6.0		
	A	20.24 02.7	0.6		-	+	9.1	11.7		
12	H	20.24 02.3	0.9			+	8.6	15.0	3.4	3.7
	Z	20.24 02.6	1.0			-	1.1	2.0		
	A	20.55 00.4	1.3			+	1.7	2.7		
12	H	20.55 00.6	1.0			+	1.6	2.3	6.8	3.3
	Z	20.55 00.1	1.2				2.7	1.8		
	A	23.15 33.8		-	-	+	10.6	13.8		
12	H	23.15 33.5	1.0			+	7.0	9.1		3.5
	Z	23.15 33.8	1.1			+	2.8	2.6		
	A	23.59 58.4	0.7		+	+	8.3	4.8		
12	H	23.59 58.7	1.0				5.4	7.2	3.3	4.2
	Z	23.59 58.0	0.5			+	8.0	5.0		
	A	00.00 19.3	0.7				2.6	2.0		
13	H	00.00 19.2	1.1	-		-	2.0	2.4	2.9	2.8
	Z	00.00 18.5	0.5				1.4	2.4		
	A	01.13 03.7	0.5				4.3	4.2		
13	H	01.13 03.5	1.0	-		-	4.2	4.0	2.8	3.4
	Z	01.13 04.3	0.5				7.7	10.3		
	A	01.15 37.2	0.6				1.0	0.8		
13	H	01.15 37.0	1.1				4.0	4.2		2.0
	Z	01.15					1.5	0.8		
	A	01.32 26.7	0.7			+	4.3	3.5		
13	H	01.32 26.3	1.1	-		+	16.6	9.4	3.3	3.9
	Z	01.32	0.6	-			4.3	5.1		
	A	01.33 27.4	0.5				0.8	0.7		
13	H	01.33 28.1	0.6				4.4	4.1	2.5	2.6
	Z	01.33 27.2	0.6				1.8	1.5		
	A	01.35 26.5	0.5		-		2.0	5.6		
13	H	01.35 25.4	0.5			+	4.4	6.7		3.1
	Z	01.35	1.0				1.6	1.0		
	A	04.50 58.3	0.5				1.6	1.1		
13	H	04.50 57.9	1.0			-	7.7	6.4	2.5	3.2
	Z	04.50 57.5	0.5				5.0	3.0		
	A	05.37 03.3	0.7	-		+	3.2	3.1		
13	H	05.37 13.1	0.8	-	+	-	9.4	9.4	3.3	3.4
	Z	05.37 02.6	0.5			+	5.6	3.3		
	A	09.00 26.1	0.6		-	+	9.8	15.6		
13	H	09.00 25.7	0.8			-	12.0	13.9	4.1	3.6
	Z	09.00 26.0	0.9			+	1.0	0.8		
	A	11.15 05.4	0.7			-	0.8	0.6		
13	H	11.15 05.2	0.8			-	3.2	3.2	3.3	2.3
	Z	11.15 04.8	0.6				1.0	0.8		
	A	11.33 36.7	0.5	-	-	+	10.6	6.1		
13	H	11.33 37.0	0.9				2.2	4.4	3.1	3.1
	Z	11.33 36.9	0.8				1.0	0.6		
	A	12.19 52.6	0.7	+	-	+	14.9	11.8		
13	H	12.19 52.8	0.9				4.3	5.6	4.5	3.3
	Z	12.19 52.8	0.9			-	0.8	0.4		
	A	13.34 49.5	1.0	-	-	+	13.1	21.5		
13	H	13.34 48.1	0.7				10.2	17.5	4.9	3.8
	Z	13.34 49.7	1.0			+	1.3	1.4		
	A	13.35 22.7	0.6	-	+	+	25.1	10.2		
13	H	13.35	0.9				8.4	3.8	4.2	3.6
	Z	13.35 22.6	0.8	-	+		1.4	1.3		
	A	13.40 08.9	0.7	-	+	+	11.1	8.4		
13	H	13.40 09.3	0.8				2.0	2.0	4.4	3.2
	Z	13.40 09.2	0.8	-			0.8	0.5		
	A	13.40 52.6	0.9		-	+	4.8	7.6		
13	H	13.40 52.4	0.7				3.1	9.1	4.4	2.9
	Z	13.40 52.7	0.9				0.3	0.2		
	A	13.44 10.6	0.7	-	+	+	45.1	39.8		
13	H	13.44 10.8	0.9			-	13.4	12.3	5.0	4.3
	Z	13.44 10.9	0.9	-	+3	-	8.4	6.5		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.42 22.1	1.0		-	+	7.2	8.4		
13	H	14.42 21.4	0.8			+		11.4	5.7	3.
	Z	14.42 22.3	1.1				1.3	1.0		
	A	15.48 08.7	0.9	-	+		3.3	3.2		
13	H	15.48 08.9	0.8				5.4	7.8	3.2	2.
	Z	15.48 08.8	0.6				0.4	0.8		
	A	15.51 42.5	1.1	-	-	+	3.6	5.8		
13	H	15.51 41.8	0.9			+	3.3		6.0	3.
	Z	15.51 43.1	1.1			+	1.0	0.8		
	A	16.31 43.2	1.0	+	-	+	4.8	11.5		
13	H	16.31 42.8	0.8						5.2	3.
	Z	16.31 43.3	0.9			+	1.0	1.0		
	A	17.25 28.0	1.0	+	-	-	3.2	3.1		
13	H	17.25 28.5	1.4				2.3	2.5	5.8	3.
	Z	17.25 27.9	0.8			+	1.1	2.0		
	A	17.31 28.1	0.8		-	+	2.0	2.6		
13	H	17.31 28.7	1.2						3.5	2.
	Z	17.31 27.6	0.5			-	1.2	1.5		
	A	18.01 43.5	1.1	+	+	+	8.4	5.0		
13	H	18.01 43.7	1.4				5.4	5.2	7.1	3.
	Z	18.01 43.3	1.0			+	3.9	2.6		
	A	18.38 36.7	1.3	+	-	+	11.0	16.7		
13	H	18.38 36.4	0.7			-	11.0	16.2		4.
	Z	18.38 35.5	0.8			+	6.1	6.3		
	A	21.51 13.4	1.0	+	-	+	10.4	9.0		
13	H	21.51 13.5	1.0				2.0	2.6	6.4	3.
	Z	21.51 13.7	1.1				0.6	0.4		
	A	23.46 25.4	0.9	+	+	+	15.7	11.3		
13	H	23.46 25.8	1.0			-	9.0	14.0	6.1	3.
	Z	23.46 25.6	1.1		-	-	1.8	1.0		
	A	00.58 27.1	0.9				0.9	1.2		
14	H	00.58 26.7	0.8				2.2	3.1	5.5	2.
	Z	00.58	1.1				0.3	0.4		
	A	02.02 52.7	1.1	-	-	+	7.1	7.7		
14	H	02.02 53.0	0.8				8.0	10.7	5.7	3.
	Z	02.02 52.5	1.0	+		+	1.0	1.0		
	A	02.12 43.5	1.1	-	-	+	3.7	5.4		
14	H	02.12 43.0	0.8	+		+	7.4	11.1	5.1	3.
	Z	02.12 43.4	1.0	+	-	+	3.5	1.4		
	A	02.24 04.5	1.1	-	-	+	3.2	4.2		
14	H	02.24 04.1	1.1			+	5.4	5.2	6.5	3.
	Z	02.24 04.3	1.0	+		+	1.6	1.0		
	A	03.32 51.7	0.6	+		+	33.8	21.9		
14	H	03.32 52.4	1.0			+	5.4	8.2	3.6	3.
	Z	03.32 52.0	0.6			+	1.8	2.4		
	A	04.40 07.2	0.6	+	+	+	2.2	2.2		
14	H	04.40 07.3	1.3				2.4	1.2		2.
	Z	04.40 07.5	0.5			-	0.5	0.8		
	A	05.00 12.2	0.8				0.5	0.7		
14	H	05.00 12.4	1.0				0.4	0.3	2.0	2.
	Z	05.00 11.2	0.3			+	1.2	0.4		
	A	05.01 25.4	0.7	+	+	+	16.2	15.2		
14	H	05.01 25.6	0.9		+	-	5.0	4.6	4.8	3.
	Z	05.01 25.8	1.0				0.4	0.7		
	A	05.08 10.0	0.8	+			20.4	29.6		
14	H	05.08 10.6	1.1				10.4	13.2	3.0	3.
	Z	05.08 09.6	0.4				4.4	3.8		
	A	07.27 54.5	0.8	+	+	-	7.0	5.2		
14	H	07.27	1.2			-	4.4	9.4	3.6	3.
	Z	07.27 53.9	0.5			+	3.8	4.4		
	A	09.09 09.0	1.1	+	+	+	59.0	37.0		
14	H	09.09 09.5	1.6				17.0	16.0	6.2	4.
	Z	09.09 08.9	1.0			+	13.5	26.5		
	A	10.17 41.8	0.9	+	-	+	4.8	2.6		
14	H	10.17 41.7	0.8				4.2	8.4	5.4	3.
	Z	10.17 42.0	1.0				0.6	0.3		
	A	11.45 30.8	0.7	+	+	+	7.8	4.0		
14	H	11.45 31.0	0.9			+	1.9	2.0	4.7	3.
	Z	11.45 30.8	0.8			-	0.6	0.6		
	A	12.16 49.5	0.6	+	-	+	2.0	1.9		
14	H	12.16	0.8					3.4	2.4	2.
	Z	12.16 49.4	0.4			-	5.3	3.5		
	A	13.05 22.9	0.9		-	+	1.2	1.6		
14	H	13.05 23.0	1.4				0.8	1.2	5.4	2.
	Z	13.05 22.4	0.8			+	1.0	1.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Apr. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.51 08.2	1.1		-	+		3.6		
14	H	14.51 07.8	0.8			+	3.2	5.8	5.3	3.0
	Z	14.51 08.3	1.0					0.6		
	A	15.31 40.1	1.0					0.5		
14	H	15.31 40.2	0.9			-	2.4	3.0	4.3	2.5
	Z	15.31 39.4	0.7				1.2	1.3		
	A	15.38 31.2	1.3					1.1		
14	H	15.38 31.0	1.1			-	2.8	6.4		2.9
	Z	15.38 30.6	0.7				0.4	0.6		
	A	16.12			-	+		1.2		
14	H	16.12 50.4	0.9			+	5.8	8.6		3.0
	Z	16.12 49.4	0.5			+	3.5	3.4		
	A	17.05 51.4	0.8		+	+		10.5		
14	H	17.05 52.1	0.9				1.0	2.0	5.4	3.4
	Z	17.05 51.7	1.0				1.3	0.6		
	A	17.25 59.5	0.8	+	-	-	6.7	9.1		
14	H	17.25 59.9	0.9	-		+	6.4	13.2	4.2	3.7
	Z	17.25 59.5	0.6			-	7.4	3.6		
	A	18.12 41.2	1.1		-	+	2.6	2.0		
14	H	18.12 40.9	0.8			+	5.8	4.8	4.4	3.3
	Z	18.12 41.0	0.9				1.7	0.8		
	A	18.26 09.7	0.8		+	+	0.6	1.0		
14	H	18.26 10.0	1.2				0.8	0.4	3.6	2.5
	Z	18.26 09.4	0.5				0.8	1.2		
	A	18.50 52.5	0.7		+	-	4.4	5.2		
14	H	18.50 52.8	0.7				3.1	2.8	2.6	2.8
	Z	18.50 52.3	0.5				0.8	0.6		
	A	19.26 45.3	0.6	-	-	-	16.7	18.2		
14	H	19.26 46.4	0.9				2.6	4.1	4.1	3.4
	Z	19.26 45.4	0.7				0.9	1.4		
	A	19.41 33.6	0.7		+	+	16.9	11.2		
14	H	19.41 34.0	0.9			+	3.6	2.9	4.6	3.1
	Z	19.41 33.7	0.8				0.4	0.4		
	A	20.06 19.0	0.9	+	-	+	11.4	15.6		
14	H	20.06 18.6	0.8			+	11.2	10.6	5.1	3.6
	Z	20.06 19.2	0.9				1.2	1.4		
	A	01.01 30.7	0.8		-	+	1.7	1.6		
15	H	01.01 29.3	0.9				4.8	6.2	5.2	2.6
	Z	01.01 30.5	0.8				0.6	0.4		
	A	01.02 42.0	1.0	+	-	+	2.2	2.4		
15	H	01.02 42.0	0.9			-	11.9	5.8	2.8	3.4
	Z	01.02 41.4	0.6			+	6.2	5.2		
	A	01.51 51.5	1.0	-	-	-	0.8	0.7		
15	H	01.51	0.8			+	3.0	1.4	3.8	2.4
	Z	01.51 51.1	0.7				0.6	0.5		
	A	02.29 26.6	1.0	+	+	+	6.8	6.0		
15	H	02.29 25.8	1.0				10.2	17.4	6.0	3.1
	Z	02.29 26.6	0.9			+	0.4	0.5		
	A	03.50 48.6	0.9		-		0.6	1.0		
15	H	03.50 48.9	0.9				2.2	1.7	2.7	2.5
	Z	03.50 48.1	0.5			-	1.4	1.0		
	A	05.42 10.0	1.2	+	-	+	5.8	3.0		
15	H	05.42 09.3	0.8				5.0	4.8	5.7	3.4
	Z	05.42 10.1	1.2				0.8	0.4		
	A	06.05 12.6	1.4	-	-	-	1.9	1.4		
15	H	06.05 13.3	1.8			-	2.4	3.2	3.9	3.2
	Z	06.05 12.2	1.0			-	1.6	1.2		
	A	07.52 45.9	1.4		-	-	1.4	1.8		
15	H	07.52 46.1	0.8				3.2	7.6	2.9	3.1
	Z	07.52 45.3	1.2				1.0	0.8		
	A	08.52 57.9	0.5			+	8.4	6.0		
15	H	08.52 58.3	0.8				0.9	1.2	2.1	2.6
	Z	08.52 57.7	0.4				0.4	0.6		
	A	10.19 53.9	0.8	-	-	+	4.6	6.0		
15	H	10.17	0.9		-	+	10.2	10.4	6.0	3.5
	Z	10.17 54.0	1.1	+		+	2.2	1.0		
	A	12.49 41.4	1.0	-	-	+	1.4	1.6		
15	H	12.49 41.1	0.9	-		-	7.4	8.0	2.9	3.1
	Z	12.49 40.7	0.6			-	3.6	3.8		
	A	13.45 27.2	1.0	-	-	+	63.5	20.9		
15	H	13.45 26.9	1.1				21.8	20.2	6.9	4.5
	Z	13.45 27.5	1.1	+		+	4.2	4.0		
	A	13.46 13.0	1.0	-	-	+	14.6	6.6		
15	H	13.46 13.0	0.8				12.5	13.0	5.7	3.9
	Z	13.46 13.4	1.1	+		+	3.0	2.2		
	A	14.05 30.4	0.9			-				
15	H	14.05 30.3	0.8				0.5	1.0		2.4
	Z	14.05 30.1	0.5				1.2	0.4		
	A	14.05 44.3	0.9			-	0.7	1.1		
15	H	14.05 44.5	1.0				0.4	0.4		2.6
	Z	14.05 43.4	0.5			+	3.4	4.2		
	A	14.30 09.6	0.9	-	-	+	15.4	21.5		
15	H	14.30 09.6	0.8			+	12.5	10.2	5.1	3.8
	Z	14.30 09.7	0.9			+	2.0	1.2		
	A	15.37 05.1	1.3	+	-	+	6.9	18.4		
15	H	15.37 04.6	1.0		+	+	8.2	13.2	6.2	3.8
	Z	15.37 05.0	1.1			+	1.4	1.0		
	A	16.02 50.9	0.7	-	+	-	8.3	6.7		
15	H	16.02 50.7	0.7	+		+	5.4	11.4	4.1	3.1
	Z	16.02	0.9				0.6	0.5		
	A	17.49 59.6	0.9	-	-	+	7.8	5.8		
15	H	17.49 59.6	0.5				6.4	6.6	3.6	3.3
	Z	17.50 00.0	1.0			-	0.8	0.4		
	A	19.13 29.3	0.7			+	4.1	3.1		
15	H	19.13 29.5	0.8				5.0	5.2	2.5	2.8
	Z	19.13 28.8	0.4			-	3.8	2.4		
	A	21.22 08.3	1.0	-	-	+	2.4	7.4		
15	H	21.22 08.1	0.7			-	6.4	6.0	1.5	3.3
	Z	21.22	0.6				1.6	0.8		
	A	21.27 43.5	0.5		-	+	8.7	5.0		
15	H	21.27 44.1	0.9				5.8	8.4	2.8	3.1
	Z	21.27 43.7	0.5				1.2	2.2		
	A	22.23 16.2	1.0	-		+	4.9	4.2		
15	H	22.23 15.8	0.7			-	6.6	12.2	3.6	3.2
	Z	22.23 15.3	0.8				1.4	1.0		
	A	00.34 31.9	0.9		+	-	0.8	2.0		
16	H	00.34 32.5	1.2				2.4	2.2	4.4	2.6
	Z	00.34 31.0	0.6				0.4	0.8		
	A	01.31 17.1	0.9	+	+	+	0.9	3.3		
16	H	01.31 16.7	0.7			-	8.0	10.4	3.4	3.1
	Z	01.31	0.7				2.6	1.0		
	A	02.07 04.5	0.8	+	-	+	1.7	1.5		
16	H	02.07 05.1	1.0				1.0	0.8	4.7	2.8
	Z	02.07 05.3	0.9				0.8	1.6		
	A	02.41 05.3	0.6	+		+	4.4	6.0		
16	H	02.41 05.3	0.7			-	5.4	10.4	3.2	3.2
	Z	02.41 05.3	0.9				1.8	0.8		
	A	05.24 03.7	1.0			+	3.2	5.1		
16	H	05.24 03.5	0.9	+		+	3.2	4.0	3.8	3.3
	Z	05.24	0.7				2.0	1.6		
	A	07.56 44.5	1.1	-	-	+	12.4	7.9		
16	H	07.56 44.0	0.8				9.8	8.4	5.7	3.9
	Z	07.56	1.1			+	1.6	2.2		
	A	07.58 33.2	1.1	+	-	+	9.6	9.6		
16	H	07.58 31.9	0.8			+	6.3	7.3	4.2	3.5
	Z	07.58 33.0	0.8				1.5	1.0		
	A	08.27 54.2	0.8	-	-	+	10.0	5.2		
16	H	08.27 54.7	1.2				2.2	4.0	5.9	3.6
	Z	08.27 54.5	1.0				2.2	2.0		
	A	09.07 30.6	1.1			+	50.0	28.0		
16	H	09.07 31.1	1.4		+	+	17.0	22.0	4.8	4.9
	Z	09.07 30.2	0.7	-	-	-	11.5	43.0		
	A	09.36 26.8	1.1	-	-		0.7	2.2		
16	H	09.36 26.6	1.1				2.2	3.0	0.8	2.6
	Z	09.36	0.5				0.4	0.8		
	A	13.12 12.6	0.8		-	+	2.0	2.0		
16	H	13.12 13.4	1.0				0.7	0.6	4.2	2.6
	Z	13.12 13.5	0.6				0.8	0.8		
	A	13.37 22.2			-	+	16.1	17.0		
16	H	13.37 21.7	0.8	+	-	+	13.8	12.2		3.7
	Z	13.37 22.7	1.0				0.8	0.8		
	A	14.43 36.8	1.1	-	-	+	7.2	8.8		
16	H	14.43 37.3	1.4			+	6.5	4.8	6.6	3.8
	Z	14.43 36.8	0.9			+	2.8	4.0		
	A	15.06 41.5	0.5	+	-	-		35.4		
16	H	15.06 43.3	0.8	+	+		20.4	23.4	3.3	4.1
	Z	15.06 43.5	0.9	-	+	-	6.0	7.1		
	A	15.56 37.5	0.9		-	+		3.1		
16	H	15.56 37.3	0.6				3.4	5.2	3.1	3.1
	Z	15.56 37.4	0.8				1.4	1.0		

Apr. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	15.56 42.4	0.9		+	+		2.1		
16	H	15.56 42.2	0.7		+		3.2	4.8	4.1	2.8
	Z	15.56 42.2	0.8				0.8	0.6		
	A	15.57 36.2	0.9		-	+		2.0		
16	H	15.57 36.1	0.6				2.0	3.9	3.0	2.8
	Z	15.57 36.3	0.7				1.0	0.8		
	A	16.00 51.7	0.7		-	+		2.5		
16	H	16.00 52.2	0.8				1.6	2.2	3.2	2.8
	Z	16.00 51.8	0.6				1.2	1.4		
	A	16.33 10.7	0.9		-	+		9.8		
16	H	16.33 10.6	0.8			+	6.2	10.5	5.0	3.5
	Z	16.33 10.8	0.9			-	1.2	1.6		
	A	16.53	0.7		+	-		1.5		
16	H	16.53 01.4	1.0				1.0	1.0	4.4	2.3
	Z	16.53 01.5	0.7				0.2	0.4		
	A	17.16 54.8				+		0.9		
16	H	17.16 55.9	1.0				5.2	9.0		2.2
	Z	17.16 54.6					0.2	0.8		
	A	17.31 48.2	0.7		-	-		1.3		
16	H	17.31 48.6	0.9			-	2.8	6.2	2.7	2.5
	Z	17.31	0.4	-		-	1.0	1.4		
	A	18.49 16.3	0.9		-	+		44.4		
16	H	18.49 17.2	0.8				23.0	21.5	5.0	4.4
	Z	18.49 16.7	0.9			-	6.2	4.0		
	A	19.23 38.9	0.7		-	+		4.8		
16	H	19.23 39.1	0.7				3.8	5.4	4.1	3.0
	Z	19.23 39.4	0.9			+	0.8	0.4		
	A	19.45 05.6	0.7					1.0		
16	H	19.45 06.3	1.0				1.8	1.6	2.6	2.5
	Z	19.45 05.3	0.4				2.0	1.3		
	A	20.11 00.0	0.5		+	+		7.4		
16	H	20.11 01.0	1.2				3.8	3.4	2.9	3.2
	Z	20.11 00.5	0.7			+	2.1	1.0		
	A	20.33 21.6	0.9		-	+		3.2		
16	H	20.33 21.4	0.6			-	4.4	4.4	3.8	3.6
	Z	20.33 21.5	0.9				1.0	0.6		
	A	20.33 54.4	0.9		-	+		3.6		
16	H	20.33 54.2	0.7				6.5	12.2	4.1	3.1
	Z	20.33 54.5	0.8			-	1.4	0.8		
	A	21.55 09.7	0.8		-	+		0.6		
16	H	21.55 09.8	0.9				1.6	1.0	2.5	2.6
	Z	21.55 09.4	0.4				4.2	3.6		
	A	22.20 32.1	1.0	-	-	+	6.6	12.5		
16	H	22.20 32.1	0.9	-	-	-	19.2	26.2	5.4	4.0
	Z	22.20 32.4	0.9			+	7.2	7.6		
	A	22.38 26.4	1.0			+	1.0	1.6		
16	H	22.38 26.8	0.9	-	-		10.0	10.8	3.6	3.1
	Z	22.38 26.3	0.6			+	4.4	4.0		
	A	23.15 35.4	0.8		-	+	4.6	3.8		
16	H	23.15 35.8	1.0			+		10.0	2.4	3.2
	Z	23.15 35.1	0.4			+	5.3	5.2		
	A	23.43 50.6	0.7	+		-	5.1	2.8		
16	H	23.43 51.0	0.9				2.0	1.0	4.8	2.7
	Z	23.43 50.9	0.9				0.2	0.3		
	A	01.07 36.4	0.6		+	+	10.7	8.6		
17	H	01.07 37.7	1.1				1.6	1.8	3.8	3.0
	Z	01.07 37.1	0.7			+	0.6	0.4		
	A	01.36 01.6	1.0				0.4	1.0		
17	H	01.36 01.7	1.1				2.8	2.6	4.4	2.3
	Z	01.36 01.8	0.6				0.2	0.8		
	A	01.44 42.9	1.0			+	2.1	4.6		
17	H	01.44 42.8	0.6				5.9	8.0	3.3	3.0
	Z	01.44 43.2	0.9				0.7	0.4		
	A	02.21 11.5	1.2	-	-	+	6.9	6.8		
17	H	02.21 11.4	1.2	-			14.8	11.3	6.1	3.9
	Z	02.21 11.2	0.9			+	3.9	6.8		
	A	02.26 35.8	0.7			+	0.9	1.3		
17	H	02.26 36.2	0.9					1.4	1.9	2.6
	Z	02.26 35.5	0.4				3.0	1.4		
	A	03.49 30.6	1.0			+	1.8	2.3		
17	H	03.49 30.6	1.0				10.1	11.6	3.5	3.5
	Z	03.49 30.6	0.6				1.3	1.8		
	A	03.52 31.6	1.0		+	+	2.5	1.5		
17	H	03.52 31.4	0.7				0.8	1.0	4.1	3.0
	Z	03.52 31.6	0.9				0.6	1.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	06.16 19.1	0.9		-	-	9.4	8.2		
17	H	06.16 18.6	0.8				6.4	10.2	4.6	3.3
	Z	06.16	0.8					1.8		
	A	06.31 37.6	0.6		-	+	6.2	10.2		
17	H	06.31 38.4	1.0			+	1.9	2.2	4.0	3.0
	Z	06.31 38.1	0.8				0.6	0.4		
	A	06.41 14.0	0.7		-	+	64.0	39.0		
17	H	06.41 13.4	0.7	+	+	+	10.6	10.6	4.1	3.6
	Z	06.41 14.5	0.8			+	1.2	1.2		
	A	06.46 31.5	1.2		-	+	8.0	10.2		
17	H	06.46 31.3	0.9	-			7.6	11.0	6.5	3.9
	Z	06.46 31.7	1.2				0.8	0.6		
	A	07.58 33.9	0.8		-	+	7.1	10.9		
17	H	07.58 34.2	1.0	-	-	-	7.2	8.2	2.0	3.5
	Z	07.58 33.6	0.3			-	5.5	6.4		
	A	08.38 39.1	0.8		+	+	1.0	1.4		
17	H	08.38 40.4	1.0				2.0	1.0	2.0	1.9
	Z	08.38 39.6	0.3			+	3.9	3.4		
	A	08.50 36.1	0.8	-	+	+	1.8	1.2		
17	H	08.50 36.3	0.9				2.2	1.4	1.3	2.8
	Z	08.50 35.7	0.3			-	4.0	5.0		
	A	09.04 32.2	0.5		+	-	1.8	1.0		
17	H	09.04 32.9	0.9				1.8	1.2	2.2	2.6
	Z	09.04 33.1	0.4				2.4	1.6		
	A	09.05 45.3	1.2	+	-	+	2.7	4.8		
17	H	09.05 45.1	0.9				8.4	9.5	6.5	3.3
	Z	09.05 45.5	1.1				1.1	0.6		
	A	09.53 08.6	0.7		-		1.7	1.6		
17	H	09.53 09.4	0.7				1.2	1.8	3.2	2.7
	Z	09.53 08.7	0.6				1.0	0.8		
	A	09.57 53.3	0.7	+	-	+	3.6	4.4		
17	H	09.57 53.3	0.7			-	4.6	5.2	3.3	
	Z	09.57 53.4	0.9			-	7.5	6.7		
	A	09.58 29.8	0.9			-	5.2	7.4		
17	H	09.58 29.6	1.0				20.4	15.2	6.2	3.5
	Z	09.58 30.1	1.0	-		-	1.8	1.8		
	A	10.21 37.1	1.2	-	-	+	S-0	40.0		
17	H	10.21 37.3	0.8						5.5	5.0
	Z	10.21 37.3	1.1			-	18.0	40.0		
	A	10.22 12.8	0.8	-	-	+	26.0	47.0		
17	H	10.22 12.9	0.9				S-0	33.0	5.6	4.7
	Z	10.22 13.0	1.0			-	14.0	16.0		
	A	12.05 35.3	0.8	-	-		0.4	0.8		
17	H	12.05 35.7	0.8				1.4	2.3	1.9	2.2
	Z	12.05 35.4	0.4				0.8	0.7		
	A	12.20 13.5	0.7	+	-	+	4.5	2.0		
17	H	12.20 14.5	0.8				1.0	1.6	4.4	2.8
	Z	12.20 14.0	0.8				0.4	0.4		
	A	12.47 29.6	1.0				0.2	0.2		
17	H	12.47 29.9	0.9				1.8	1.0	3.0	2.3
	Z	12.47 28.9	0.6			+	2.4	0.8		
	A	12.56 03.4	0.7		-	+	2.2	2.3		
17	H	12.56 03.8	0.8			-	4.5	3.6	2.4	3.1
	Z	12.56 03.4	0.5	-		-	4.9	5.0		
	A	14.07 40.9	0.7			+	0.4	1.8		
17	H	14.07 41.7	0.9				2.0	2.6	4.1	2.5
	Z	14.07 41.3	0.7				0.4	0.7		
	A	15.24 26.1	0.8		+	+	3.1	1.1		
17	H	15.24 26.8	1.0			+	2.0	1.0	4.9	3.1
	Z	15.24 26.5	0.8				2.4	1.2		
	A	15.46 56.6	0.8	+			21.0	20.5		
17	H	15.46 56.5	1.1	-	-	-	21.0	20.0	3.0	4.4
	Z	15.46 55.8	0.4	+	+	+	27.0	36.0		
	A	15.50 21.6	0.9					0.7		
17	H	15.50 21.5	0.8				1.2	0.6		2.3
	Z	15.50 21.9	1.0				2.0	1.2		
	A	15.51	1.2	-			3.8	3.7		
17	H	15.51 35.9	1.1				4.2	2.4		3.2
	Z	15.51 35.1	1.0				3.6	3.2		
	A	15.54 59.0	1.0	-	-	+	2.1	1.9		
17	H	15.54 59.6	1.0				4.0	2.2		3.1
	Z	15.54 58.6	0.4	-		-	6.9	5.4		
	A	16.10 33.9	0.7	-	-	+	3.9	4.7		
17	H	16.10 34.4	0.9			+	5.8	7.4	3.6	3.1
	Z	16.10 33.9	0.6	-			2.8	1.2		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Apr. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
17	A	16.13 23.9	1.1			+	2.2	1.4		
	H	16.13	0.9				5.8	7.4	0.8	3.2
	Z	16.13 23.6	0.6				3.8	2.8		
17	A	16.14 33.2	1.1	+		+	7.2	5.9		
	H	16.14 33.5	1.1	-		-	22.5	25.8	3.1	3.9
	Z	16.14 33.0	0.6				9.5	13.4		
17	A	16.25 59.1	1.0			+	0.5	1.3		
	H	16.25 59.6	0.9				4.3	3.6	3.0	2.9
	Z	16.25 58.8	0.9				2.4	1.5		
17	A	16.26 09.9	1.0				0.2	0.4		
	H	16.26 10.4	0.9				2.0	1.4	3.0	2.4
	Z	16.26 09.6	0.6				1.5	1.5		
17	A	17.32 47.5	0.6			+	1.8	1.3		
	H	17.32 48.1	0.9				3.0	3.4	3.5	2.3
	Z	17.32 47.4	0.6				0.6	0.3		
17	A	19.41 03.8	0.9			+	8.3	13.3		
	H	19.41 04.0	0.9			+	2.2	3.4	4.6	3.2
	Z	19.41 04.3	0.7				0.6	2.0		
17	A	20.02 53.6	1.1	-	-	+	9.4	14.5		
	H	20.02	1.0	-		-	9.0	8.0	5.8	4.4
	Z	20.02 53.3	1.3							
17	A	20.28 20.0	0.9		-	-	21.0	28.5		
	H	20.28 20.5	1.3				13.0	14.2	2.3	4.2
	Z	20.28 19.5	0.4	-		+	S-O	31.5		
17	A	20.55 12.0	1.0			-	1.7	1.1		
	H	20.55 12.7	1.2			-	1.2	0.5	1.4	2.7
	Z	20.55 11.5	0.4				1.6	1.3		
17	A	20.57 35.0	0.7			+	2.0	3.5		
	H	20.57 35.8	1.0				0.6	0.8	4.1	2.8
	Z	20.57 35.4	0.6				0.9	0.8		
17	A	21.50 51.7	0.8			-	1.6	0.6		
	H	21.50 52.6	0.9				3.9	3.3	3.6	3.4
	Z	21.50	0.6				0.5	0.6		
17	A	22.33 25.5	0.7			+	1.3	0.8		
	H	22.33 26.3	1.1				0.4	0.6	1.3	2.8
	Z	22.33 25.1	0.4			+	5.8	5.3		
18	A	01.16 20.5	0.9	+	-	-	2.0	1.1		
	H	01.16 21.3	0.9			+	6.6	3.9	3.6	2.6
	Z	01.16	0.6			-	0.4	0.8		
18	A	03.12 34.3	0.7	-	-	+	37.6	33.0		
	H	03.12 35.2	0.9			-	17.4	12.7	5.1	3.7
	Z	03.12 35.0	0.9			-	1.2	0.8		
18	A	04.08	0.6	-	-	+	8.5	4.4		
	H	04.08 47.1	0.6			-	12.2	16.9	2.6	3.1
	Z	04.08 47.5	0.6			-	1.0	1.4		
18	A	05.46 38.0	1.1		-	+	3.8	2.2		
	H	05.46 37.7	0.8			+	5.0	7.9	5.6	3.2
	Z	05.46 38.4	1.1				0.7	0.9		
18	A	06.10 36.3	0.8			+	1.1	0.6		
	H	06.10 36.7	0.7			+	1.2	0.9	1.5	2.4
	Z	06.10 35.8	0.5				1.0	0.7		
18	A	06.44 54.6	1.0		-	+	5.8	5.3		
	H	06.44 54.8	0.8			+	10.2	11.7	5.5	3.3
	Z	06.44 55.2	1.1			+	1.2	1.2		
18	A	09.27 34.7	0.8		-	+	1.2	0.7		
	H	09.27 34.7	0.9	-		-	6.3	6.0	2.9	2.7
	Z	09.27 34.3	0.5			+	2.2	1.0		
18	A	12.16 09.0	0.9				0.9	0.9		
	H	12.16	1.0				4.0	0.2		2.6
	Z	12.16 08.4	0.3			+	3.4	1.0		
18	A	12.37 59.8	0.6				3.0	3.0		
	H	12.38 00.9	0.9				2.4	3.4	3.2	2.7
	Z	12.38 00.2	0.5				1.0	1.4		
18	A	12.45	0.8				15.0	10.1		
	H	12.45 53.4	0.9			+	4.5	7.0	4.6	3.8
	Z	12.45 53.7	0.9	+		-	0.7	1.5		
18	A	13.39 42.4	0.9				18.6	22.4		
	H	13.39 42.1	0.7			+	9.8	15.2	4.6	3.8
	Z	13.39 43.2	0.9			-	1.8	1.6		
18	A	14.09 15.8	0.6				9.7	11.6		
	H	14.09 16.5	1.1	+		+	14.6	21.4	4.5	3.6
	Z	14.09 16.5	0.8	-		-	3.6	3.2		
18	A	16.06 26.8	1.0				3.7	8.9		
	H	16.06 26.9	1.0				6.0	2.9	6.2	3.4
	Z	16.06 27.3	1.0			+	1.0	0.9		
18	A	17.34 11.5	0.6				14.1	12.9		
	H	17.34 12.2	0.9			+	4.9	2.0	3.9	3.2
	Z	17.34 12.0	0.8				0.6	0.8		
18	A	17.53 09.0	1.0				3.6	5.8		
	H	17.53 09.0	0.9				5.5	6.0	5.1	3.2
	Z	17.53 09.1	0.8				1.3	0.5		
18	A	18.18 22.7	0.6				1.4	1.4		
	H	18.18 23.5	1.0				1.8	1.4	2.1	2.5
	Z	18.18 22.1	0.3			+	2.3	1.8		
18	A	18.35 28.0	0.8				0.8	0.5		
	H	18.35 28.8	0.9				0.3	0.4	1.8	2.1
	Z	18.35 27.6	0.3				0.8	0.6		
18	A	19.00 02.6	1.1				3.4	2.6		
	H	19.00 02.9	1.2			-	7.0	7.1	4.7	3.4
	Z	19.00 02.5	0.7				3.8	1.4		
18	A	19.11 37.6	0.8				3.8	15.5		
	H	19.11 37.7	0.7			+	13.0	15.2	4.5	3.6
	Z	19.11 38.1	0.9				1.4	1.8		
18	A	19.37 45.3	0.7				41.6	23.9		
	H	19.37 45.6	0.8			+	6.2	11.8	4.5	4.0
	Z	19.37 45.0	0.9			-	0.2	3.0		
18	A	20.19 32.4	0.7				0.9	0.8		
	H	20.19 32.7	0.8			-	1.4	1.5	2.0	2.4
	Z	20.19 32.7	0.8	-		-	2.4	1.0		
18	A	20.33 02.8	0.8				6.0	2.6		
	H	20.33	1.0				2.2	2.4	4.8	3.5
	Z	20.33 03.2	0.7				3.8	1.0		
18	A	20.58	1.0				3.4	3.8		
	H	20.58 03.5	0.9				4.5	4.8	5.8	2.9
	Z	20.58 03.1	1.0				0.4	0.4		
18	A	22.04 12.8	1.1				2.1	0.8		
	H	22.04 12.6	0.8			+	1.2	3.0	5.3	2.6
	Z	22.04 12.7	1.0				0.3	0.3		
18	A	22.05 11.0	1.1				7.9	5.8		
	H	22.05 11.1	0.9			+	20.1	12.2	6.0	3.5
	Z	22.05 11.4	1.1				1.4	1.2		
18	A	22.09 53.0	0.7				32.3	19.4		
	H	22.09 53.6	1.0			+	7.8	7.1	4.7	3.4
	Z	22.09 53.7	0.8			-	0.6	0.4		
18	A	22.12 41.6	0.7				3.5	3.9		
	H	22.12 42.2	1.0			+	8.8	7.0	4.5	2.7
	Z	22.12 42.3	0.8				0.4	0.5		
18	A	22.50 35.7	0.8				3.9	2.8		
	H	22.50 36.7	0.9				2.6	2.5	3.8	3.1
	Z	22.50 36.0	0.6				2.0	1.0		
18	A	23.00 10.0	1.0				0.8	0.5		
	H	23.00 10.4	0.8				1.4	1.0		2.6
	Z	23.00 09.4	0.4				2.4	1.2		
18	A	23.12 36.5	0.9				6.1	6.1		
	H	23.12 37.2	1.1				3.7	4.3	5.6	3.5
	Z	23.12 37.0	0.8				3.4	1.3		
19	A	00.26 24.1	0.8				3.4	2.3		
	H	00.26 24.8	0.9			+	3.8	5.0	4.5	2.9
	Z	00.26 24.5	0.7				1.0	1.0		
19	A	02.27 21.3	1.0				13.4	7.6		
	H	02.27 21.1	1.0		+	+	23.5	15.9	6.3	3.9
	Z	02.27 21.6	1.0				3.6	1.8		
19	A	04.02 30.7	0.9				6.8	9.9		
	H	04.02 31.4	1.2					4.9	6.2	3.5
	Z	04.02 31.0	1.0			-	1.4	1.0		
19	A	06.02 55.9	0.6				1.8	1.8		
	H	06.02 56.6	0.9				3.0	5.6	3.2	2.9
	Z	06.02 56.2	0.5			-	3.7	2.3		
19	A	06.50 44.5	1.0		+	+	14.1	14.0		
	H	06.50 43.4	0.9					7.8	6.0	3.6
	Z	06.50 44.9	1.0				1.3	0.8		
19	A	07.35 16.9	1.1		+		42.0	51.0		
	H	07.35 16.9	0.7		+			45.2	4.5	4.6
	Z	07.35 17.4	1.0	-		-	5.4	8.3		
19	A	07.41 42.2	1.0				8.6	7.1		
	H	07.41 42.3	0.8			+	19.6	22.3	5.0	3.3
	Z	07.41	1.0				0.6	0.6		
19	A	07.57	0.8				8.6	7.4		
	H	07.57 54.8	1.0				0.8	1.2	5.3	3.2
	Z	07.57 54.5	0.8				0.8	0.4		

Apr. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	08.21 39.5	0.7				1.7	4.1		
19	H	08.21 39.9	0.7	-			11.0	10.0	1.6	3.2
	Z	08.21 39.5	0.4				5.0	3.0		
	A	08.50 45.5	0.9				9.2	16.2		
19	H	08.50 45.4	0.8					19.0	5.1	3.7
	Z	08.50 45.9	0.9	-		-	1.2	1.6		
	A	09.09 53.7	0.9				2.6	1.9		
19	H	09.09 54.5	1.3				1.2	1.2	5.5	3.2
	Z	09.09 54.1	0.8				2.8	0.5		
	A	09.17 06.8	0.6				15.9	18.3		
19	H	09.17 07.3	0.8	+		+	7.4	10.8	3.7	3.5
	Z	09.17 07.3	0.9	-		-	0.8	1.7		
	A	10.25 22.2	0.7				1.7	2.2		
19	H	10.25 22.8	0.8				4.4	2.8	2.3	2.7
	Z	10.25 22.0	0.4				1.0	2.2		
	A	10.55 57.6	0.5				6.4	9.1		
19	H	10.55 58.0	0.9		-	+	10.2	13.4	3.3	3.2
	Z	10.55 58.0	0.9				1.0	2.2		
	A	11.20 22.5	0.6				4.6	3.2		
19	H	11.20 23.1	0.8				1.0	1.0	3.7	2.8
	Z	11.20 22.7	0.7			-	0.8	0.6		
	A	11.31 26.6	0.9				2.4	1.6		
19	H	11.31	1.2				2.2	1.2	5.3	2.8
	Z	11.31 26.4	0.8				0.4	0.8		
	A	14.48 19.2	1.1				2.8	3.5		
19	H	14.48 19.2	0.8				7.8	9.2	4.5	3.7
	Z	14.48 19.2	0.9				7.3	4.3		
	A	14.48 33.2	1.1				2.2	2.4		
19	H	14.48 33.3	0.7				4.2	6.3	1.2	3.2
	Z	14.48	0.8				2.5	1.2		
	A	15.09 03.5	1.0				4.0	14.0		
19	H	15.09 03.8	0.8		+	+	16.8	10.8	5.7	4.0
	Z	15.09 04.0	1.0	-		-	4.8	4.0		
	A	16.14 50.5	1.2				3.6	8.9		
19	H	16.14 50.3	0.8	+			7.4	11.2	5.0	3.4
	Z	16.14 50.9	1.0	+		+	1.0	0.6		
	A	16.39 33.4	0.9				1.6	2.9		
19	H	16.39 33.5	0.7			+	10.3	18.8	4.3	2.9
	Z	16.39 33.8	0.8				1.0	1.0		
	A	17.46 19.6	0.7				4.5	8.0		
19	H	17.46 20.2	1.0			-	3.2	2.6	3.5	3.1
	Z	17.46 20.1	1.1				0.6	0.5		
	A	20.10 33.9	0.8				50.7	58.0		
19	H	20.10 34.8	0.9		+	+	6.8	7.5	4.6	4.0
	Z	20.10 34.7	0.7				2.1	1.8		
	A	20.11 35.9	0.6				2.9	2.6		
19	H	20.11 36.8	1.1				1.9	3.9	3.4	3.0
	Z	20.11 36.3	0.6				3.4	2.8		
	A	20.12 20.2	1.0				1.8	1.3		
19	H	20.12 20.4	1.1				4.2	5.8	5.0	2.9
	Z	20.12 20.1	0.7				1.4	1.2		
	A	21.35 44.2	0.9				6.1	6.0		
19	H	21.35 44.5	0.7			+	7.4	9.2	4.9	3.2
	Z	21.35 44.7	1.0				0.5	0.7		
	A	22.30 10.2	0.9				3.4	3.9		
19	H	22.30 10.7	0.6				5.8	8.0	3.9	3.1
	Z	22.30 10.7	0.9				1.0	0.8		
	A	23.11 21.6	1.1				4.6	7.4		
19	H	23.11 21.3	0.9	-	-	+	1.6	1.8	6.4	3.5
	Z	23.11 21.8	1.3			+	1.1	0.6		
	A	23.13 35.8	0.6				0.6	0.3		
19	H	23.13 36.0	0.7				1.2	1.6	1.8	2.2
	Z	23.13 35.4	0.4			-	1.4	1.0		
	A	23.47 35.7	1.1				4.3	3.6		
19	H	23.47 35.7	0.9			+	5.8	6.4	5.1	3.1
	Z	23.47 36.1	1.1				0.6	0.4		
	A	01.27 52.6	0.6				1.8	2.0		
20	H	01.27 52.6	0.7				2.8	4.8	2.8	2.5
	Z	01.27	0.6				0.8	0.7		
	A	02.11 48.9	1.0				4.0	8.0		
20	H	02.11 48.8	0.8				7.7	12.3	4.8	3.6
	Z	02.11 49.1	0.9				3.0	1.2		
	A	03.18 43.6	0.7				3.7	3.0		
20	H	03.18 44.0	1.0				1.2	2.0	4.6	2.8
	Z	03.18 43.7	0.7			-	0.8	0.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	05.21	0.5				1.9	2.2		
20	H	05.21 38.9	0.7				3.9	5.8	1.0	2
	Z	05.21 39.1	1.0			+	0.8	0.5		
	A	08.24 24.3	0.8				2.9	3.6		
20	H	08.24 25.1	1.1				3.4	4.4	3.3	3
	Z	08.24 23.9	0.5			+	2.4	2.8		
	A	08.30 48.1	0.9				6.0	6.2		
20	H	08.30 48.2	0.9				7.8	15.8	5.6	3
	Z	08.30 48.6	1.0			-	1.0	0.8		
	A	14.43 41.6	0.7				6.8	5.8		
20	H	14.43 40.0	1.0				9.4	5.8	3.6	3
	Z	14.43 41.2	0.5			+	4.2	12.8		
	A	15.08 17.0	0.8				2.6	2.8		
20	H	15.08 17.9	1.1				6.1	5.7	3.7	3
	Z	15.08 16.7	0.5			+	5.3	10.0		
	A	15.26 24.7	1.0				6.6	13.9		
20	H	15.26 24.3	0.7				12.2	11.3	4.3	3
	Z	15.26 24.9	0.9			-	4.2	3.5		
	A	12.00 39.9	0.9				8.3	6.0		
21	H	12.00 41.7	1.3				5.6	8.6	4.8	3
	Z	12.00 39.5	0.7				4.7	4.0		
	A	12.49 26.0	1.1				2.4	1.3		
21	H	12.49	1.2				3.0	4.6	6.7	3
	Z	12.49 25.1	1.0				1.0	1.2		
	A	13.03 46.6	1.5				2.3	3.1		
21	H	13.03	1.8				4.8	4.7	7.5	3
	Z	13.03 46.1	1.1				2.2	1.8		
	A	14.05 45.3	1.0				1.0	0.8		
21	H	14.05 46.5	1.3				0.8	1.4	3.6	2
	Z	14.05 44.5	0.6				0.8	1.3		
	A	16.21 19.4	1.0				1.0	2.0		
21	H	16.21	1.2				0.7	0.8	2.5	2
	Z	16.21 18.9	0.5					2.0		
	A	20.25 49.9	1.1				7.4	23.0		
21	H	20.25 50.3	1.0				21.2	31.4	3.5	4
	Z	20.25 50.0	0.9				11.2	6.5		
	A	20.41 40.1	1.0				5.4	9.1		
21	H	20.41 40.9	1.0				3.8	4.4	6.2	3
	Z	20.41 40.5	1.0				2.7	2.0		
	A	20.47 49.8	1.0				8.0	18.6		
21	H	20.47 50.5	0.9				3.2	3.0	5.5	4
	Z	20.47 50.1	1.0				4.2	2.6		
	A	21.00 54.6	0.9				14.1	10.4		
21	H	21.00 55.1	1.0				9.0	6.5	6.1	3
	Z	21.00 54.6	1.0				4.4	1.8		
	A	22.45 16.6	1.0				6.1	9.2		
21	H	22.45 16.8	0.8			+	7.8	9.2	4.9	3
	Z	22.45 17.0	1.0				0.9	1.0		
	A	22.48 43.9	1.0				5.6	13.9		
21	H	22.48 43.9	0.9				16.6	15.8	5.5	3
	Z	22.48 44.2	1.0				3.2	1.5		
	A	23.09 25.8	0.9				11.1	7.2		
21	H	23.09 26.0	0.6				10.0	13.6	4.3	3
	Z	23.09 26.0	1.1				1.2	1.5		
	A	23.11 58.7	0.9				12.8	17.7		
21	H	23.11 59.0	0.7				10.0	9.8	4.7	3
	Z	23.11 59.1	1.0				3.5	2.6		
	A	01.33 44.3	1.0				6.4	5.7		
22	H	01.33 44.9	1.4				1.8	2.6	3.4	3
	Z	01.33 43.8	0.6				4.8	3.1		
	A	01.43 06.1	1.1				2.4	2.3		
22	H	01.43 06.8	1.4				0.8	1.2		3
	Z	01.43 05.6	0.4				2.6	1.6		
	A	01.45 20.8	1.4				2.8	1.9		
22	H	01.45 21.7	1.8				1.6	1.5	7.6	3
	Z	01.45 20.5	1.1				0.5	1.0		
	A	02.24 13.6	1.1				5.6	11.1		
22	H	02.24 13.5	0.9				11.4	15.6	5.4	3
	Z	02.24 13.8	1.0				1.4	1.0		
	A	03.00 12.4	1.0				10.2			
22	H	03.00 12.0	1.4				30.4	37.7	7.0	3
	Z	03.00 12.5	1.0				5.3	3.8		
	A	03.27 12.2	1.1				5.7			
22	H	03.27 12.0	1.0				10.6	13.4	6.4	3
	Z	03.27 12.3	1.1				1.0	1.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	03.48 35.1	0.9				6.2			
22	H	03.48 36.1	0.9				5.7	9.4	5.3	3.7
	Z	03.48 36.4	0.9				4.8	1.5		
	A	06.11 19.8	1.0				3.4	1.8		
22	H	06.11 20.2	1.1				3.4	3.6	3.8	3.2
	Z	06.11 19.5	0.6				2.0	3.0		
	A	06.59 23.1	0.9				2.0	1.6		
22	H	06.59 23.2	0.9				1.2	1.0		2.9
	Z	06.59 22.7	0.4				3.5	1.6		
	A	08.15 11.9	1.4				7.9	19.0		
22	H	08.15 10.6	0.7				18.9	14.0	2.8	3.9
	Z	08.15 12.0	1.5				0.6	0.8		
	A	11.50 14.2	0.7				7.0	7.3		
22	H	11.50 14.7	0.8				2.2	4.2	4.2	3.1
	Z	11.50 14.6	0.8				0.9	0.8		
	A	12.10 26.0	1.1				0.4	0.4		
22	H	12.10 26.0	1.2				0.6	0.6	4.0	2.4
	Z	12.10 25.7	0.7				1.2	1.4		
	A	12.37 01.2	1.0				3.1	3.8		
22	H	12.37 00.6	0.8				4.9	5.6	5.2	3.1
	Z	12.37 01.4	1.0				1.0	0.9		
	A	13.42 15.7	0.9				17.4	11.5		
22	H	13.42 15.3	0.9				11.1	8.0	5.6	3.5
	Z	13.42 15.9	1.2				0.5	0.6		
	A	14.59 32.8	0.9				8.7	19.8		
22	H	14.59 32.6	0.7				10.2	13.8	1.7	3.7
	Z	14.59 33.4	0.7				2.3	2.9		
	A	15.04 38.0	0.6				5.1	4.2		
22	H	15.04 38.8	1.2				2.8	3.4	2.7	2.9
	Z	15.04 38.0	0.5				1.8	2.0		
	A	16.11 38.5	0.9				3.4	5.0		
22	H	16.11 37.8	0.9				9.7	5.0	4.6	3.5
	Z	16.11 38.4	0.8				3.3	1.8		
	A	16.25 51.7	1.2				1.8	1.8		
22	H	16.25 51.4	1.3				3.2	6.2	3.7	3.3
	Z	16.25 51.3	0.7				3.3	4.0		
	A	16.54 30.8	0.6				7.9	9.0		
22	H	16.54 31.6	1.0				1.4	1.3	3.0	3.3
	Z	16.54 30.9	0.5				3.0	2.5		
	A	18.58 45.3	1.1				0.9	1.0		
22	H	18.58 44.9	1.2				1.4	1.5		2.5
	Z	18.58 44.8	0.5				1.0	1.0		
	A	22.06 45.4	0.8				8.8	4.6		
22	H	22.06 45.7	1.2				3.0	3.2	5.0	3.5
	Z	22.06 45.5	0.7				3.3	1.2		
	A	22.07 17.4	0.8				1.0	1.1		
22	H	22.07 16.6	0.9				0.5	0.8	1.7	2.8
	Z	22.07 16.8	0.4				5.0	3.8		
	A	23.37 13.9	0.9				1.7	1.7		
22	H	23.37 13.7	1.1				1.6	2.2	3.4	2.9
	Z	23.37 13.1	0.5				2.5	1.7		
	A	00.25 48.9	0.7				0.6	0.7		
23	H	00.25 48.6	0.9				0.6	0.6	3.0	2.6
	Z	00.25 48.3	0.5				3.6	1.5		
	A	00.35 33.0	0.9				4.6	5.7		
23	H	00.35 32.4	0.8				6.8	8.5	4.4	3.3
	Z	00.35 33.1	0.9				1.4	0.8		
	A	02.40 31.7	0.5				12.0	20.7		
23	H	02.40 32.1	0.9				1.2	1.6	3.7	3.4
	Z	02.40 31.8	0.8				1.6	0.8		
	A	02.56 15.6	0.9				4.1	2.7		
23	H	02.56 15.3	1.3				4.6	5.2	3.7	3.4
	Z	02.56 14.4	0.5				4.0	6.2		
	A	03.32 35.7	1.0				18.2	9.8		
23	H	03.32 35.1	0.8				15.6	30.6	5.2	4.0
	Z	03.32 35.6	1.0				2.5	3.3		
	A	04.38 41.4	0.9				5.0	6.3		
23	H	04.38 40.5	0.7				8.6	12.5	3.2	3.2
	Z	04.38 41.4	0.8				1.2	0.9		
	A	05.01 19.6	0.6				11.3	17.8		
23	H	05.01 19.9	0.9				2.6	3.0	3.6	3.2
	Z	05.01 19.7	0.7				0.8	0.9		
	A	09.19 32.0	1.2				4.9	4.5		
23	H	09.19 32.4	0.9				3.8	3.2	4.7	3.6
	Z	09.19 31.9	1.0				2.2	3.0		
	A	10.15 01.6	0.8				7.2	6.4		
23	H	10.15 01.8	1.0				8.8	8.2	4.4	3.6
	Z	10.15 01.4	0.7				6.0	3.0		
	A	13.28 06.4	0.7				2.6	2.1		
23	H	13.28 05.8	1.0				1.0	2.2	2.9	3.0
	Z	13.28 05.8	0.5				3.3	0.9		
	A	14.58 22.1	1.0				1.4	2.0		
23	H	14.58 21.8	1.2				7.8	10.5	4.1	3.2
	Z	14.58 21.4	0.7				4.3	3.1		
	A	15.04 43.7	0.9				4.3	3.4		
23	H	15.04 43.4	1.4				8.2	8.6	5.0	3.6
	Z	15.04 42.9	0.8				3.6	7.0		
	A	17.19 53.0	0.8				2.2	1.7		
23	H	17.19 52.7	0.8				1.8	1.6	1.3	3.2
	Z	17.19 52.3	0.5				6.0	4.8		
	A	18.16 50.0	0.9				3.1	3.1		
23	H	18.16 49.4	0.8				5.2	3.4	4.2	3.2
	Z	18.16 50.1	0.8				2.3	0.6		
	A	21.46 06.0	0.9				1.1	1.5		
23	H	21.46 06.0	1.4				0.6	0.8	2.8	2.8
	Z	21.46 06.0	0.5				2.3	2.0		
	A	22.45 35.1	0.9				66.3	1.8		
23	H	22.45 34.7	0.7				67.0	1.4	3.7	3.8
	Z	22.45 35.2	0.9				77.5	1.7		
	A	03.25 47.6	0.8				18.6	20.6		
24	H	03.25 47.1	0.6				16.8	28.2	4.0	3.8
	Z	03.25 47.9	1.1				1.8	1.0		
	A	04.28 49.9	1.0				9.8	5.4		
24	H	04.28 49.3	0.8				13.0	15.2	5.0	3.8
	Z	04.28 39.9	1.0				3.3	2.0		
	A	05.13 29.8	0.8				31.7	28.0		
24	H	05.13 29.8	1.0				7.4	9.4	5.5	3.8
	Z	05.13 30.0	1.0				1.6	1.7		
	A	05.17 03.8	0.6				18.5	13.0		
24	H	05.17 03.9	0.9				7.4	8.2	4.5	3.5
	Z	05.17 03.9	0.9				1.0	0.5		
	A	05.50 14.6	1.1				4.0	3.4		
24	H	05.50 14.1	1.0				7.4	11.8	6.6	3.2
	Z	05.50 14.2	1.1				0.9	0.6		
	A	07.21 23.1	0.8				4.7	3.3		
24	H	07.21 23.5	1.4				4.5	7.8	4.4	3.4
	Z	07.21 22.5	0.7				2.4	4.3		
	A	07.49 51.7	1.1				1.2	1.3		
24	H	07.49 52.0	1.5				1.2	0.9		2.8
	Z	07.49 50.7	0.5				1.0	1.7		
	A	13.51 37.3	1.0				5.0	14.0		
24	H	13.51 37.3	1.2				14.4	12.6	6.7	3.8
	Z	13.51 37.7	1.0				2.8	1.6		
	A	17.48 50.5	0.7				10.6	12.4		
24	H	17.48 52.3	1.1				3.0	3.6	2.1	3.5
	Z	17.48 50.4	0.3				6.8	4.3		
	A	19.50 04.8	1.1				2.6	2.0		
24	H	19.50 04.4	1.5				1.4	2.3	7.6	3.3
	Z	19.50 04.7	1.4				5.2	3.0		
	A	20.30 31.3	1.0					22.9		
24	H	20.30 32.7	0.9				12.3	14.9	5.0	4.2
	Z	20.30 31.7	0.9				5.7	5.0		
	A	20.31 39.6	0.7				1.6	1.5		
24	H	20.31 41.0	0.9				1.0	1.2	1.0	2.9
	Z	20.31 38.9	0.3				7.8	5.6		
	A	20.57 49.2	0.8				9.3	14.2		
24	H	20.57 50.5	0.7				17.3	19.4	4.0	3.6
	Z	20.57 49.5	0.9				1.8	1.8		
	A	04.18 02.9	0.6				29.2	22.3		
25	H	04.18	0.6				20.0	13.1	2.9	3.8
	Z	04.18 03.5	1.0				1.0	1.9		
	A	04.19 08.0	0.7				5.7	8.0		
25	H	04.19	0.7				7.6	8.2	4.0	3.9
	Z	04.19 08.4	0.9				1.0	1.2		
	A	04.19 41.8	0.7				21.0	19.4		
25	H	04.19	0.6				9.2	8.3	3.3	3.7
	Z	04.19 42.6	0.9				1.0	2.4		
	A	05.45 18.0	0.8				10.6	13.6		
25	H	05.45	0.7			+	25.2	36.2	4.4	3.8
	Z	05.45 18.4	1.0				3.6	2.3		

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	06.34 29.0	1.0				5.1	5.2		
25	H	06.34	1.7				1.1	2.4		3.4
	Z	06.34 28.8	0.5				4.2	5.5		
	A	08.17 03.4	1.0				6.1	4.6		
25	H	08.17	0.9				9.2	14.6	5.7	3.4
	Z	08.17 03.8	1.0				1.8	1.2		
	A	11.12 14.8	0.7				2.4	2.6		
25	H	11.12 14.8	0.7				1.4	1.8	3.2	2.6
	Z	11.12 15.2	0.7				0.2	0.6		
	A	11.47 26.9	0.7				7.7	6.0		
25	H	11.47 27.4	1.0				2.5	2.4	5.0	3.3
	Z	11.47 27.7	1.0				1.4	1.0		
	A	11.56 23.5	0.5				9.4	8.2		
25	H	11.56 24.1	0.9				9.1	11.4	3.4	3.6
	Z	11.56 24.1	0.7				1.0	6.7		
	A	13.40 07.3	1.0				2.4	2.6		
25	H	13.40 07.3	1.2				4.4	7.6	5.8	3.5
	Z	13.40 07.0	0.8				7.2	5.2		
	A	15.17 24.2	0.6				1.0	0.4		
25	H	15.17 23.7	0.9				0.8	0.6	2.9	2.3
	Z	15.17 24.7	0.5				0.6	1.0		
	A	15.44 07.3	1.0				3.3	2.8		
25	H	15.44 07.7	1.4				3.2	6.0	5.8	3.6
	Z	15.44 07.3	0.8				3.2	7.9		
	A	15.50 52.2	1.0				0.8	0.4		
25	H	15.50 52.5	1.2				0.6	0.4	3.9	2.8
	Z	15.50 52.0	0.6				0.8	2.4		
	A	16.20 37.3	1.1				1.4	1.0		
25	H	16.20 37.8	1.4				0.6	0.6	6.7	2.9
	Z	16.20 37.5	1.0				1.0	1.0		
	A	16.28 26.4	1.0				3.3	7.2		
25	H	16.28 25.7	0.7				8.7	6.8	4.5	3.5
	Z	16.28 26.9	1.0				1.0	1.6		
	A	17.30 16.1	0.5				2.0	2.1		
25	H	17.30 16.8	0.8				1.0	1.2	2.5	2.3
	Z	17.30 16.3	0.5				0.2	0.8		
	A	17.36 11.8	1.0				1.9	2.0		
25	H	17.36 11.2	0.7				1.8	1.6	4.5	2.8
	Z	17.36 12.3	1.0				0.5	0.4		
	A	17.44 02.4	1.1				2.6	1.8		
25	H	17.44 01.9	0.9				5.0	5.7	6.3	3.1
	Z	17.44 03.0	1.2				0.6	0.8		
	A	19.45 37.7	0.9				2.9	1.6		
25	H	19.45 38.3	1.2				4.4	3.6	3.7	3.5
	Z	19.45 37.6	0.5				4.2	12.2		
	A	19.46 04.6	0.7				0.4	0.2		
25	H	19.46 04.9	1.1				0.6	0.4	2.6	1.9
	Z	19.46 04.4	0.4				0.7	1.2		
	A	20.25 24.0	1.5				1.8	1.4		
25	H	20.25 24.6	1.9				1.5	1.8	8.2	3.4
	Z	20.25 24.1	1.2				1.7	2.0		
	A	22.20 35.0	1.1				1.6	1.0		
25	H	22.20 33.6	0.9				1.1	1.2		3.2
	Z	22.20 34.5	0.5				5.4	1.4		
	A	01.35 35.6	1.0				2.2	1.8		
26	H	01.35 35.7	1.2				1.3	1.6	4.9	3.4
	Z	01.35 35.4	0.7				1.4	7.2		
	A	02.50 51.5	0.9				5.8	4.4		
26	H	02.50 52.2	1.4				4.2	7.4	5.8	3.8
	Z	02.50 51.9	0.9				3.4	8.8		
	A	04.11 26.0	1.0				1.9	3.2		
26	H	04.11 26.3	0.9				3.0	2.8	5.2	3.3
	Z	04.11 26.8	0.9				2.0	1.0		
	A	06.25 05.1	0.8				1.6	1.0		
26	H	06.25 05.9	1.3				1.8	2.4	4.8	3.0
	Z	06.25 05.3	0.7				1.4	3.2		
	A	07.20 41.8	1.0				9.6	9.2		
26	H	07.20 41.9	0.7				6.1	10.6	4.3	3.7
	Z	07.20 42.5	1.0				1.6	2.8		
	A	07.50 38.0	0.8				13.0	22.0		
26	H	07.50 38.1	0.8				12.7	21.4	4.8	4.0
	Z	07.50 38.7	0.9				3.3	4.3		
	A	07.51 06.6	0.8				24.4	42.0		
26	H	07.51 06.4	0.9				24.4	21.0	4.6	4.3
	Z	07.51 07.2	0.8				4.2	8.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	08.05 02.7	0.8				3.6	3.8		
26	H	08.05 03.1	0.8				5.4	6.4	4.3	3.
	Z	08.05 03.3	0.8				0.4	1.2		
	A	09.47 06.6	0.9				1.6	2.0		
26	H	09.47 06.1	0.7				3.6	3.2	3.3	3.
	Z	09.47 06.8	0.8				1.4	2.4		
	A	09.51 41.5	0.4				6.9	6.0		
26	H	09.51 42.1	1.0				4.2	4.8	2.3	3.
	Z	09.51 42.1	0.5				2.0	2.6		
	A	09.54 47.3	1.0				1.8	0.8		
26	H	09.54 46.9	0.7				3.8	2.9	2.7	3.
	Z	09.54 48.0	0.9				0.6	1.2		
	A	11.16 34.4	0.6				7.6	4.6		
26	H	11.16 35.0	1.2				1.7	2.8	3.9	3.
	Z	11.16 34.7	0.7				2.1	7.5		
	A	15.27 35.9	0.5				29.8	28.4		
26	H	15.27 35.6	0.7				23.8	22.9	3.0	4.
	Z	15.27 36.7	0.9				1.6	8.5		
	A	17.52 23.3	1.0				3.0	2.0		
26	H	17.52 23.1	0.9				3.3	4.1	5.7	3.
	Z	17.52 23.3	1.0				1.2	1.4		
	A	18.58 19.7	0.8				2.4	1.2		
26	H	18.58 19.6	1.1				1.4	1.4	3.6	3.
	Z	18.58 19.6	0.5				2.4	5.0		
	A	20.45 30.9	0.9					4.0		
26	H	20.45 30.4	0.8				7.3	6.2	4.8	3.
	Z	20.45 31.1	0.9				1.2	1.9		
	A	20.47 41.4	0.6				2.2	3.2		
26	H	20.47 42.2	1.0				2.0	2.2	2.8	2.
	Z	20.47 41.7	0.5				2.6	2.0		
	A	22.25 21.2	0.6				42.0	1.2		
26	H	22.25 21.7	1.1				40.9	2.2	4.2	3.
	Z	22.25 21.5	0.7				43.6	1.4		
	A	22.59 37.0	1.2				0.6	0.4		
26	H	22.59 36.9	1.2				1.6	2.0		3.
	Z	22.59 36.4	0.7				2.0	4.2		
	A	23.00 07.8	1.1				0.4	0.6		
26	H	23.00 08.1	1.0				0.6	1.3		2.
	Z	23.00 07.5	0.7				0.8	1.7		
	A	00.06 53.9	0.9				4.0	3.1		
27	H	00.06 53.9	1.2				7.8	9.8	5.1	3.
	Z	00.06 52.6	0.7				6.4	9.1		
	A	00.10 28.4	1.0				6.3	4.5		
27	H	00.10 28.2	1.1				9.0	6.6	6.7	3.
	Z	00.10 29.0	1.2				0.6	1.4		
	A	00.36 08.8	1.0				8.0	8.3		
27	H	00.36 09.4	1.3				8.6	14.0	7.0	4.
	Z	00.36 08.8	1.0				9.4	26.4		
	A	00.59 09.0	1.0				18.0	2.0		
27	H	00.59 09.1	1.2				15.2	2.3	2.2	2
	Z	00.59 08.8	0.5				18.3	1.0		
	A	01.59 54.7	0.9				15.9	16.4		
27	H	01.59 54.3	0.9				14.2	15.6	5.9	4
	Z	01.59 55.4	1.1				2.8	11.2		
	A	04.17 37.7	1.0				2.8	1.9		
27	H	04.17 37.7	1.3				3.4	6.8	6.2	3
	Z	04.17 37.3	0.9				2.5	1.7		
	A	04.19 42.1	0.9				3.9	5.4		
27	H	04.19 41.8	0.9					4.4	5.5	3
	Z	04.19 42.5	1.0				1.8	4.4		
	A	04.50 53.7	1.3				10.8	9.3		
27	H	04.50 53.9	0.7				10.5	6.4	4.3	4
	Z	04.50 55.1	1.3				3.4	2.0		
	A	05.17 33.0	0.9				11.2	15.4		
27	H	05.17 33.2	1.6				4.2	5.6		3
	Z	05.17 32.4	0.3				8.0	14.6		
	A	05.44 41.2	0.9				14.1	12.8		
27	H	05.44 41.5	1.1				2.8	2.4	6.5	3
	Z	05.44 41.6	1.1				2.0	2.3		
	A	06.34 28.2	0.8				14.2	14.2		
27	H	06.34 27.9	0.7				10.0	17.0	4.2	3
	Z	06.34 28.5	0.9				1.2	1.8		
	A	06.52 50.7	0.6				5.6	3.4		
27	H	96,52 51.2	1.0				3.6	3.0	3.3	3
	Z	06.52 50.6	0.5				7.8	13.4		

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	08.13 34.2	0.9				9.3	10.6		
27	H	08.13 34.1	0.9				19.8	19.0	5.7	3.9
	Z	08.13 34.7	1.0				2.0	4.1		
	A	08.54 42.3	0.6					4.8		
27	H	08.54 43.4	0.9				1.6	1.9	3.0	3.2
	Z	08.54 42.1	0.5				1.4	3.6		
	A	12.33 24.0	1.0				2.4	7.5		
27	H	12.33 23.4	0.8				9.6	9.1	4.7	3.7
	Z	12.33 24.1	1.0				1.4	2.8		
	A	12.57 10.7	0.5				1.8	2.0		
27	H	12.57 11.4	1.0				1.6	1.8	2.4	2.6
	Z	12.57 10.3	0.4				2.4	2.0		
	A	14.14 42.0	0.9				2.1	2.2		
27	H	14.14 41.9	0.9				5.6	4.5	5.7	3.4
	Z	14.14 42.0	1.0				2.8	5.1		
	A	18.48 51.8	1.1				0.9	0.8		
27	H	18.48 51.9	1.2				1.2	1.0	2.4	2.9
	Z	18.48 50.9	0.6				1.6	3.3		
	A	19.12 08.0	1.0				3.2	2.0		
27	H	19.12 08.8	1.4				3.2	4.0	5.9	3.5
	Z	19.12 08.0	0.8				2.6	5.2		
	A	19.21 23.8	0.7				3.2	3.2		
27	H	19.21 24.6	1.1				1.8	1.4	2.9	3.1
	Z	19.21 23.8	0.4				4.0	5.8		
	A	19.44 56.3	0.5				2.0	2.2		
27	H	19.44 56.9	1.0				1.0	0.8	2.7	2.3
	Z	19.44 56.7	0.5				0.4	0.8		
	A	19.58 36.5	0.9				4.3	9.9		
27	H	19.58 36.0	0.6				2.8	3.0	3.3	3.4
	Z	19.58 36.7	0.9				0.8	1.0		
	A	20.03 29.1	1.0				3.4	2.5		
27	H	20.03 28.8	1.0				1.4	3.6	6.2	3.2
	Z	20.03 28.9	1.0				1.4	1.6		
	A	20.35 14.1	0.7					1.2		
27	H	20.35 14.8	1.0				2.4	3.0	3.6	2.9
	Z	20.35 14.0	0.6				3.7	5.2		
	A	01.12 59.8	0.8				3.0	3.8		
28	H	01.12 59.4	0.7				5.4	6.4	3.7	
	Z	01.12 59.6	0.8				5.2	2.8		
	A	01.17 49.6	1.0				3.2	2.4		
28	H	01.17 49.3	0.9				3.6	3.0	5.5	3.2
	Z	01.17 49.7	1.0				0.8	1.3		
	A	01.17 53.7	1.0				7.6	10.4		
28	H	01.17 53.6	0.8				23.0	21.3	2.5	4.1
	Z	01.17 53.7	0.7				7.2	14.2		
	A	01.44 39.3	0.9				2.0	1.8		
28	H	01.44 38.6	0.8				4.4	8.4	4.8	3.1
	Z	01.44 38.9	0.9				1.2	2.0		
	A	02.57 13.1	1.1				9.0	11.2		
28	H	02.57 12.4	1.0				11.7	18.0	7.0	4.0
	Z	02.57 13.0	1.3				4.8	1.6		
	A	03.05 41.9	1.2				5.2	1.7		
28	H	03.05 41.2	1.0				7.0	5.4	6.5	3.3
	Z	03.05 42.1	1.2				0.8	0.4		
	A	04.28 48.8	1.1				3.7	3.3		
28	H	04.28 48.1	0.9				8.4	5.3	6.0	3.4
	Z	04.28 48.3	1.1				1.2	1.9		
	A	05.05 50.2	0.9				0.6	0.4		
28	H	05.05 50.4	1.2				0.4	0.4	3.4	2.8
	Z	05.05 49.6	0.5				1.0	5.2		
	A	06.58 50.4	0.8				6.4	14.0		
28	H	06.58 50.2	0.8				6.0	8.6	5.0	3.8
	Z	06.58 50.8	1.0				1.0	3.2		
	A	13.36 46.7	0.7	-			8.6	7.0		
28	H	13.36	1.3	-			2.8	3.7	3.8	3.4
	Z	13.36 46.7	0.6				1.8	3.2		
	A	13.59 17.2	0.7				1.4	1.3		
28	H	13.59 17.8	1.1				0.4	0.4	2.6	2.9
	Z	13.59 16.7	0.4				1.8	6.2		
	A	14.19 22.8	0.8	+			6.5	13.6		
28	H	14.19 23.4	0.9				12.6	10.1	4.7	3.9
	Z	14.19 23.1	0.8				7.0	6.8		
	A	14.38 37.0	0.8	+			26.0	16.8		
28	H	14.38 37.4	1.0	+			10.2	11.5	5.3	4.5
	Z	14.38 37.2	0.9	-			15.8	20.7		
	A	15.04 20.0	0.8			+	3.5	3.0		
28	H	15.04 20.4	1.1			+	3.9	2.6	5.2	3.4
	Z	15.04 20.3	0.8				3.0	4.2		
	A	16.09 25.9	0.7				2.2	2.3		
28	H	16.09 26.8	1.0				1.4	1.2	3.4	3.1
	Z	16.09 26.0	0.5				2.0	4.2		
	A	21.33 33.8	0.7			-	17.5	30.4		
28	H	21.33 34.5	1.3				7.5	13.3	4.8	4.3
	Z	21.33 34.0	0.9			+	3.8	8.2		
	A	23.33 37.1	1.1				2.6	1.7		
28	H	23.33 37.2	1.1				2.0	2.0		3.4
	Z	23.33 36.6	0.6				3.8	5.7		
	A	23.36 50.4	1.1				3.5	3.1		
28	H	23.36 50.4	1.2				1.4	1.6	4.5	3.8
	Z	23.36 49.9	0.7				4.4	13.5		
	A	23.42 19.8	1.0			+	1.2	0.8		
28	H	23.42 19.7	1.1				1.6	2.0	2.5	3.2
	Z	23.42 19.4	0.6			+	4.6	6.4		
	A	23.56 07.9	0.9			+	9.8	6.0		
28	H	23.56 07.7	0.9				3.5	4.2	5.7	3.7
	Z	23.56 08.1	1.0			-	1.6	2.4		
	A	00.24 08.9	0.7			+	12.2	16.0		
29	H	00.24 09.2	1.1				13.8	4.6	5.2	4.0
	Z	00.24 09.0	1.0			+	7.4	7.1		
	A	03.11 54.4	0.9			+	6.8	11.4		
29	H	03.11 54.3	0.8				16.0	14.4	4.8	3.9
	Z	03.11 54.6	0.9			-	3.0	4.8		
	A	03.49 16.8	1.0			+	17.0	25.4		
29	H	03.49 16.6	0.9				18.2	24.0	5.7	4.2
	Z	03.49 17.3	1.0			+	5.1	5.2		
	A	10.13 16.1	0.5			+	16.6	25.2		
29	H	10.13 16.6	0.9				10.2	13.8	3.5	3.9
	Z	10.13 16.4	0.7			+	2.6	5.6		
	A	10.16 37.4	0.6			+	6.0	5.4		
29	H	10.16 37.9	1.1				10.3	9.5	3.0	3.6
	Z	10.16 37.5	0.5				9.0	16.6		
	A	10.17 04.7	0.7			+	7.0	8.0		
29	H	10.17 04.9	1.0				13.6	19.3	3.7	3.9
	Z	10.17 04.7	0.6				13.0	16.6		
	A	12.18 08.9	1.2			+	13.4	19.6		
29	H	12.18 07.8	0.9				26.8	33.5	6.1	4.3
	Z	12.18 09.3	1.2				1.3	5.4		
	A	12.38 02.6	1.0			+	2.0	2.4		
29	H	12.38 02.2	1.4				1.6	1.8	1.4	3.1
	Z	12.38 02.1	0.4			-	4.4	4.7		
	A	12.57 56.4	1.2			-	7.8	15.7		
29	H	12.57 56.7	1.4				9.0	8.7	6.4	4.5
	Z	12.57 56.3	0.9				6.1	17.2		
	A	14.39 17.9	0.9				1.6	1.8		
29	H	14.39 17.6	1.1				1.6	2.0	4.1	3.3
	Z	14.39 17.4	0.6				6.6	6.7		
	A	16.55 09.1	1.4			-	6.0	19.0		
29	H	16.55 07.7	0.8				12.5	13.4	2.7	4.1
	Z	16.55 09.4	1.3			-	0.4	2.4		
	A	18.34 28.7	0.7			-	1.2	1.4		
29	H	18.34 28.7	0.9				1.5	2.2	2.3	2.8
	Z	18.34 28.4	0.4			+	3.0	4.9		
	A	23.28 56.9	1.0			+	5.4	5.4		
29	H	23.28 56.1	0.8			-	17.0	14.0	3.8	3.9
	Z	23.28 57.0	0.9			-	6.1	10.8		
	A	01.33 00.1	0.9			+	13.7	6.3		
30	H	01.32 59.0	0.7			-	8.8	10.8	4.6	4.0
	Z	01.33 00.1	1.0				1.2	4.6		
	A	01.52 23.0	0.7				2.0	1.8		
30	H	01.52	1.2				1.2	1.8	4.1	3.0
	Z	01.52 22.6	0.6				1.0	3.4		
	A	02.41 54.4	0.7			+	4.6	6.0		
30	H	02.41 54.0	0.6			-	3.0	4.4	2.6	3.4
	Z	02.41 54.8	0.7				1.5	3.6		
	A	03.54 20.6	1.1			+	1.0	0.8		
30	H	03.54 20.4	1.0			-	2.5	2.2	3.0	2.9
	Z	03.54 20.8	0.8				1.4	2.0		
	A	06.15 46.2	0.8			+	10.8	14.0		
30	H	06.15 45.9	1.0			-	10.4	7.2	5.3	3.8
	Z	06.15 46.8	0.8				3.0	4.0		

Apr. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	08.00 29.3	1.0				3.6	3.0		
30	H	08.00 28.8	1.2			-	4.4	6.6	3.9	3.2
	Z	08.00 29.1	0.6				2.0	2.0		
	A	08.09 12.0	0.6			+	1.4	1.6		
30	H	08.09 12.1	0.9			-	1.2	2.1	2.3	2.6
	Z	08.09 11.7	0.4			-	1.6	2.2		
	A	12.18 35.4	1.0				16.8	6.0		
30	H	12.18 34.8	0.7			-	23.7	17.4	4.5	4.0
	Z	12.18 35.8	1.0				1.6	4.0		
	A	14.23 37.5	0.9			+	10.2	6.8		
30	H	14.23 37.8	1.1				1.4	2.0	1.8	3.8
	Z	14.23 36.1	0.4			+	3.4	13.4		
	A	16.26 14.0	0.9			-	1.2	1.4		
30	H	16.26 14.3	1.3				0.6	0.6	2.8	2.8
	Z	16.26 13.3	0.4			+	3.5	3.3		
	A	16.31 29.9	0.7			+	6.0	5.2		
30	H	16.31 30.3	1.0			+	3.2	2.2	5.1	3.5
	Z	16.31 30.0	0.9				3.8	4.0		
	A	17.42 54.0	1.0			-	33.6	43.4		
30	H	17.42 53.3	0.8				38.4	40.4	5.1	4.6
	Z	17.42 54.7	1.0			-	2.8	9.2		
	A	18.47 27.5	1.0			-	5.4	4.0		
30	H	18.47 28.0	1.3				4.0	4.0	5.0	3.7
	Z	18.47 27.0	0.7			+	3.7	8.4		
	A	19.26 40.7	0.6			+	5.5	3.1		
30	H	19.26 40.9	0.8				1.7	1.9	4.0	3.6
	Z	19.26 41.3	0.9			-	0.6	6.4		
	A	19.40 45.0	1.0			+	6.7	11.9		
30	H	19.40 44.6	0.8				13.0	17.8	1.1	3.8
	Z	19.40 45.3	0.7				3.6	4.2		
	A	19.49 07.9	0.8			+	3.8	4.2		
30	H	19.49 07.3	0.8			-	6.3	10.5	4.8	3.5
	Z	19.49 08.0	0.9			-	5.2	4.2		
	A	19.53 18.4	0.8				5.9	10.7		
30	H	19.53 18.2	0.9			-	10.0	7.8	4.4	3.5
	Z	19.53 18.8	0.7				1.0	3.1		
	A	19.58 51.7	0.9			+	0.8	1.6		
30	H	19.58 52.3	1.3				0.4	0.2	2.6	2.9
	Z	19.58 51.3	0.4			+	3.4	3.2		
	A	20.19 43.9	0.9				1.3	1.4		
30	H	20.19 43.5	1.3				3.0	3.0	4.4	3.0
	Z	20.19 43.5	0.6			+	3.4	2.2		
	A	21.25 19.3	0.8				7.6			
30	H	21.25 18.7	0.8			+	6.0	6.0	4.6	3.4
	Z	21.25 19.4	1.0				0.6	1.8		
	A	21.53 10.2	0.7			+	8.0	13.3		
30	H	21.53 10.5	0.8				7.2	6.3	4.5	3.7
	Z	21.53 10.9	0.9			+	1.1	3.0		
	A	22.19 08.6	1.1				3.8	1.9		
30	H	22.19 08.3	1.2			-	5.2	5.8	5.0	3.4
	Z	22.19 07.9	0.8			+	2.8	2.3		
	A	23.59 19.7	1.0			+	4.0	7.6		
30	H	23.59 19.1	0.8			-	8.6	10.0	5.0	3.7
	Z	23.59 19.8	1.0				1.4	3.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	04.48 33.9	1.0			+	14.2	20.6		
01	H	04.48 34.2	1.1				5.8	6.7	3.7	
	Z	04.48 33.5	0.6			+	13.4	39.0		
	A	08.04 14.2	0.8			-	0.8	1.0		
01	H	08.04 15.1	1.3				0.4	0.2	4.6	
	Z	08.04 14.0	0.7				2.6	2.5		
	A	08.43 16.3	1.0			+	4.1	6.2		
01	H	08.43 15.9	0.7				11.6	7.4	4.3	
	Z	08.43 16.5	1.0				3.1	3.6		
	A	09.01 49.9	0.5				1.2	0.4		
01	H	09.01 50.0	0.9				1.0	1.0	1.6	
	Z	09.01 49.7	0.3			-	2.6	1.4		
	A	09.57 08.7	0.6			+	5.0	5.8		
01	H	09.57 -	0.9			+	1.2	1.2	3.8	
	Z	09.57 09.0	0.7				2.0	2.0		
	A	10.12 21.5	1.1				4.3	6.5		
01	H	10.12 20.5	1.0				7.1	8.3	6.3	
	Z	10.12 21.2	1.1			+	1.3	0.9		
	A	13.00 38.5	0.7				1.4	0.8		
01	H	13.00 38.4	0.9			-	0.7	0.9	0.8	
	Z	13.00 38.1	0.3			-	3.5	2.2		
	A	13.51 27.3	0.8			+	1.8	2.4		
01	H	13.51 27.7	1.2			+	1.0	1.1	3.0	
	Z	13.51 26.9	0.4			+	3.3	1.8		
	A	14.06 43.7	0.8			+	2.5	4.0		
01	H	14.06 42.9	0.7			+	6.3	8.3	4.0	
	Z	14.06 43.9	0.9			-	1.9	1.0		
	A	14.29 00.9	1.2			-	2.7	1.7		
01	H	14.29 00.8	1.1			-	4.2	6.4	5.3	
	Z	14.29 00.8	1.0			+	0.5	0.6		
	A	14.39 46.9	0.9			-	5.0	5.8		
01	H	14.39 47.3	1.2				6.7	9.9	2.1	
	Z	14.39 46.7	0.4			+	6.0	8.0		
	A	14.40 00.4	0.7			-	1.2	1.1		
01	H	14.40 00.6	1.3			-	2.8	2.9	3.1	
	Z	14.40 00.5	0.5			+	0.8	2.7		
	A	18.27 58.7	1.1				6.1	10.1		
01	H	18.27 58.6	1.1				5.9	9.0	6.5	
	Z	18.27 58.5	1.0			+	7.9	5.0		
	A	19.50 11.7	1.1			+	10.0	4.3		
01	H	19.50 11.1	0.9			-	5.0	6.2	5.1	
	Z	19.50 11.6	1.0			+	1.9	5.5		
	A	22.09 35.5	0.7			+	3.6	6.5		
01	H	22.09 36.0	1.1			+	3.0	3.5	4.8	
	Z	22.09 35.8	0.8			-	3.3	1.8		
	A	00.53 15.4	1.0			+	2.2	2.0		
02	H	00.53 14.9	1.3			+	3.0	2.2	6.6	
	Z	00.53 15.7	1.0			+	0.8	1.2		
	A	01.01 44.2	1.1			+	2.3	2.8		
02	H	01.01 44.0	0.9				4.8	4.6	3.7	
	Z	01.01 44.2	0.9			+	2.2	1.6		
	A	01.27 18.6	1.0			+	6.5	8.7		
02	H	01.27 18.6	0.7			+	4.2	6.8	4.5	
	Z	01.27 18.9	1.0			-	0.9	0.8		
	A	01.50 51.0	0.9			+	3.5	5.6		
02	H	01.50 50.5	0.8			-	8.2	6.8	2.4	
	Z	01.50 51.0	0.7			-	3.8	2.1		
	A	02.57 35.9	0.8			-	1.6	1.4		
02	H	02.57 36.4	1.3				1.0	1.5	4.3	
	Z	02.57 36.0	0.6			+	0.5	2.1		
	A	03.19 49.5	1.1			+	14.1	16.1		
02	H	03.19 48.7	1.0			+	12.4	14.5	6.2	
	Z	03.19 49.9	1.1			-	4.8	3.6		
	A	05.26 32.2	0.8			+	3.2	4.2		
02	H	05.26	1.1			+	2.3	4.3	3.2	
	Z	05.26 31.6	0.5			-	4.2	4.7		
	A	05.41 31.4	0.7			+	1.5	1.2		
02	H	05.41 31.7	1.2			+	0.6	1.4	3.3	
	Z	05.41 31.1	0.5			-	2.6	1.3		
	A	06.59 05.3	1.1			-	8.4	7.2		
02	H	06.59 05.6	0.9			+	5.8	8.6	5.2	
	Z	06.59 05.1	1.0			+	1.2	1.8		
	A	08.41 18.8	1.1			+	2.0	3.4		
02	H	08.41 18.4	1.1				6.5	6.8	4.9	
	Z	08.41 18.5	0.9			-	5.1	4.2		

1966 May

	A	03.26 27.8	0.6			+	2.9	1.5		
01	H	03.26 28.9	1.0				1.6	2.2	3.3	3.0
	Z	03.26 28.4	0.5			-	3.4	3.6		
	A	04.04 10.2	1.0			+	2.9	2.6		
01	H	04.04 10.3	1.2			-	4.8	3.7	5.4	3.2
	Z	04.04 09.8	0.8			+	2.7	2.2		
	A	04.23 24.2	0.6				3.4	1.8		
01	H	04.23 24.7	1.0				2.6	4.6	3.9	3.2
	Z	04.23 24.3	0.7				0.9	4.0		
	A	04.40 56.1	1.1			+	2.8	2.2		
01	H	04.40 55.8	1.2				2.4	2.8	4.6	3.4
	Z	04.40 55.1	0.8				3.1	3.5		

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

May. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	09.38 16.6	0.8			+	7.1	9.4		
02	H	09.38 16.4	1.0			-	5.6	6.3	2.8	3.7
	Z	09.38 16.1	0.5			+	5.0	8.8		
	A	11.33 09.1	0.5			+	1.9	2.8		
02	H	11.33 09.5	0.9				1.6	2.4	2.6	2.7
	Z	11.33 08.9	0.5			-	0.9	1.9		
	A	11.58 33.5	0.8			+	1.6	2.1		
02	H	11.58 33.8	1.0			-	0.5	0.4	0.5	2.6
	Z	11.58 33.1	0.3			+	1.0	2.2		
	A	13.29 35.4	1.3			+	48.2			
02	H	13.29 34.7	1.1			+	29.4	22.1	6.1	4.8
	Z	13.29 35.7	1.2				11.2	11.4		
	A	13.30 20.2	1.0				8.1			
02	H	13.30 18.5	1.0				6.9	7.5	6.4	3.7
	Z	13.30 20.3	1.1			-	2.1	1.6		
	A	15.48 13.5	1.0				1.2			
02	H	15.48 13.4	1.1			-	1.0	1.2	3.6	3.0
	Z	15.48 12.9	0.6			+	3.2	2.4		
	A	16.10 41.5	1.2			+	4.3			
02	H	16.10 40.9	0.8			+	7.2	6.5	3.8	3.3
	Z	16.10 41.4	1.1			+	1.1	0.7		
	A	17.16 37.6	0.9			-	3.0			
02	H	17.16 37.8	1.4			+	2.0	2.2	5.1	3.3
	Z	17.16 37.3	0.7			+	3.2	2.6		
	A	17.33 55.4	1.1			+	2.9			
02	H	17.33 54.7	0.8			+	5.8	11.9	5.5	3.3
	Z	17.33 55.7	1.2			+	0.8	1.4		
	A	17.35 59.9	0.7			+	3.9			
02	H	17.35 59.4	0.8			+	8.1	16.4	4.4	2.9
	Z	17.35 59.9	0.9			-	0.6	0.7		
	A	20.02 33.3	1.1			+	1.6			
02	H	20.02 33.3	1.2			-	2.1	3.6	4.0	3.2
	Z	20.02 32.9	0.7			+	4.3	4.2		
	A	20.10 25.2	1.2			+	1.6			
02	H	20.10 25.3	1.4			-	2.7	2.2	3.0	3.2
	Z	20.10 24.9	0.7				3.5	3.7		
	A	21.02 40.0	1.5			+	0.7			
02	H	21.02 40.3	1.9			+	0.4	0.5	9.0	2.9
	Z	21.02 39.7	1.3			+	0.6	0.9		
	A	23.58 21.9	1.1			+	21.1			
02	H	23.58 21.4	1.0			+	14.7	18.0	7.1	4.3
	Z	23.58 22.4	1.3				5.6	3.4		
	A	00.44 26.3	1.0				3.4			
03	H	00.44 26.5	1.4			+	2.4	4.2	5.9	3.5
	Z	00.44 26.3	0.8				3.4	4.5		
	A	00.59 53.0	0.9			+	10.0			
03	H	00.59 52.4	0.9				6.6	10.9	5.3	3.5
	Z	00.59 53.0	0.9				1.2	1.5		
	A	03.25 27.4	0.5			+	4.7			
03	H	03.25 28.3	1.0				2.2	3.6	2.3	3.0
	Z	03.25 27.7	0.4			-	3.2	3.4		
	A	04.32 14.6	1.2			+	26.0			
03	H	04.32 13.6	0.8			+	10.6	14.7	5.6	4.6
	Z	04.32 14.8	1.3			+	10.2	6.4		
	A	04.36 38.8	1.1			+	13.0			
03	H	04.36 37.9	1.0			+	7.9	7.9	5.2	4.1
	Z	04.36 39.4	1.0				5.2	3.6		
	A	06.10 29.0	1.1			-	4.1			
03	H	06.10 28.4	0.9			-	5.4	4.9	4.9	3.2
	Z	06.10 28.3	1.0				0.8	0.9		
	A	07.12 10.4	1.3				7.6			
03	H	07.12 09.6	0.9				4.6	5.1	5.2	3.5
	Z	07.12 10.3	1.2				0.4	0.8		
	A	07.44 01.2	0.8			+	1.4			
03	H	07.44 01.1	1.0				1.5	1.8	2.9	2.9
	Z	07.44 00.7	0.5				3.8	2.1		
	A	10.56 12.3	0.7			+	0.7	0.7		
03	H	10.56 12.3	0.9			-	0.6	0.4	2.1	3.4
	Z	10.56 11.8	0.4				5.6	3.7		
	A	12.39 15.0	0.7			-	7.1	5.8		
03	H	12.39 14.4	0.4			+	13.2	12.5	2.3	3.1
	Z	12.39 15.6	1.0			-	0.4	0.8		
	A	12.51 36.6	0.9			+	4.1	6.6		
03	H	12.51 38.3	0.7				6.8	10.1	4.8	3.4
	Z	12.51 36.6	1.1				1.4	1.2		
	A	14.04 35.0	0.8			+	5.6	18.7		
03	H	14.04 34.1	0.7			+	14.4	18.1	4.3	3.5
	Z	14.04 35.1	0.9			-	0.9	0.9		
	A	15.40 40.4	0.7			+	5.1	3.6		
03	H	15.40 40.8	1.3			+	4.9	7.5	3.0	3.5
	Z	15.40 40.2	0.5			-	8.1	9.6		
	A	17.20 07.9	0.8			-	70.0	19.7		
03	H	17.20 07.9	0.6			-	16.6	20.1	3.0	4.3
	Z	17.20 08.4	0.8			-	1.4	4.3		
	A	18.53 14.4	0.5			+	6.4	6.2		
03	H	18.53 14.5	0.9			+	2.4	3.2	3.1	3.1
	Z	18.53 14.7	0.7			-	0.8	1.9		
	A	19.04 13.6	0.7			+	6.0	6.6		
03	H	19.04 12.9	0.7				7.0	10.6	4.1	3.2
	Z	19.04 13.7	1.0			-	0.6	1.0		
	A	20.21 09.0	0.8			-	2.1	1.2		
03	H	20.21 08.8	1.3			+	1.6	2.1	3.9	3.1
	Z	20.21 08.2	0.6				3.5	4.4		
	A	21.18 52.9	0.7			+	9.3	9.5		
03	H	21.18 52.3	0.7				7.2	13.1	4.1	3.6
	Z	21.18 53.1	1.0			-	2.8	2.4		
	A	21.54 36.9	0.9			-	2.2	2.6		
03	H	21.54 37.0	1.4			-	1.4	0.9	1.3	3.0
	Z	21.54 36.0	0.4			-	3.8	2.0		
	A	22.33 20.1	0.9			+	11.4	13.3		
03	H	22.33 19.6	0.8				14.2	15.8	5.2	3.7
	Z	22.33 20.4	1.0				1.3	2.2		
	A	22.34 45.5	1.1			+	3.2	2.0		
03	H	22.34 44.4	1.0			-	3.9	3.2	5.1	3.2
	Z	22.34 45.0	0.9				1.4	1.2		
	A	23.11 07.1	0.8			+	2.0	2.4		
03	H	23.11 07.2	1.2			-	1.3	1.0	1.7	2.9
	Z	23.11 06.5	0.3			-	5.6	6.0		
	A	00.01 43.4	0.8			+	1.8	1.4		
04	H	00.01 43.3	1.1			-	1.1	0.8	2.2	2.8
	Z	00.01 42.6	0.4				3.6	3.0		
	A	00.04 36.2	0.6			+	1.5	1.0		
04	H	00.04 35.8	1.0			-	1.0	1.1	2.4	2.7
	Z	00.04 35.6	0.4				1.1	3.4		
	A	00.24 20.6	1.0				3.4	2.4		
04	H	00.24 20.8	1.5			+	2.0	4.5	6.1	3.4
	Z	00.24 20.4	0.9				2.8	2.7		
	A	00.41 37.2	0.6			+	1.3	1.2		
04	H	00.41 37.4	1.0			-	1.7	1.8	2.2	2.7
	Z	00.41 37.0	0.4			-	4.2	2.5		
	A	01.15 19.3	0.9			+	0.8	0.4		
04	H	01.15 19.0	1.1			-	0.7	1.0	3.3	2.7
	Z	01.15 18.7	0.5				2.9	2.0		
	A	02.15 04.9	0.8			+	9.4	7.0		
04	H	02.15 04.5	0.5				8.3	9.4	3.1	3.7
	Z	02.15 05.3	1.1				2.8	1.6		
	A	02.36 04.3	1.1			-	3.2	2.2		
04	H	02.36 04.2	1.2			-	5.6	10.6	4.8	3.4
	Z	02.36 03.9	0.8				2.9	1.8		
	A	02.39 17.4	0.7			+	2.0	1.1		
04	H	02.39 17.4	1.0			+	0.8	0.6	1.4	2.9
	Z	02.39 14.7	0.3			-	5.0	4.0		
	A	05.13 24.2	1.0			+	5.3	4.2		
04	H	05.13 24.0	0.8				15.8	22.6	4.7	3.5
	Z	05.13 24.5	1.0				2.2	0.8		
	A	07.35 26.3	0.3				1.9	1.4		
04	H	07.35 26.2	1.3			+	1.5	1.9	3.2	2.8
	Z	07.35 25.2	0.6			+	2.6	2.4		
	A	07.38 47.3	0.9			+	5.6	11.4		
04	H	07.38 47.1	0.8				8.7	9.6	4.7	3.3
	Z	07.38 47.7	1.0				0.5	0.7		
	A	08.37 03.0	1.0			-	14.6	23.2		
04	H	08.37 02.3	0.6			+	22.0	16.5	4.4	4.1
	Z	08.37 03.6	1.2			-	2.9	1.7		
	A	09.08 25.8	0.7			+	5.0	6.4		
04	H	09.08 26.1	1.1			+	2.4	3.8	4.7	3.3
	Z	09.08 26.1	0.8			-	2.0	1.7		
	A	09.22 05.8	1.0			+	3.2	7.8		
04	H	09.22 05.4	0.7			-	9.0	7.2	5.1	3.8
	Z	09.22 05.8	1.2			-	3.6	3.3		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	10.31 15.6	0.7			+	3.9	3.3		
04	H	10.31 16.4	1.1			-	1.4	1.6	2.4	3.2
	Z	10.31 15.6	0.4			-	6.2	4.8		
	A	10.48 47.0	0.8							
04	H	10.48 47.1	1.1			-	15.7	15.2	3.6	4.5
	Z	10.48 46.3	0.5			+	23.2	33.8		
	A	10.50 07.4	0.8							
04	H	10.50 08.3	1.1			-	10.0	9.2	3.5	4.3
	Z	10.50 07.9	0.5				11.2	29.4		
	A	11.48 57.3	0.8			+	0.9	0.7		
04	H	11.48 57.2	0.9			-	0.8	1.0	1.5	2.7
	Z	11.48 56.7	0.4				3.8	3.8		
	A	12.02 47.0	0.7			+	0.3	0.2		
04	H	12.02 47.3	1.1			-	2.0	3.2	2.9	2.2
	Z	12.02 46.6	0.4			-	3.0	3.0		
	A	12.17 19.1	0.7			+	2.0	1.4		
04	H	12.17 19.3	0.9			-	1.6	2.0	2.1	3.2
	Z	12.17 18.7	0.4				6.6	9.7		
	A	12.27 32.8	0.7			+	2.5	1.3		
04	H	12.27 33.0	1.0			-	0.7	0.8	3.1	3.0
	Z	12.27 32.6	0.5			-	4.6	5.3		
	A	13.16 19.5	0.9			+	1.8	1.4		
04	H	13.16 19.6	1.1			-	0.6	0.5	3.0	3.1
	Z	13.16 18.8	0.5				4.4	3.5		
	A	14.31 43.3	0.3			+	47.3			
04	H	14.31 43.7	0.9			+	9.8	11.4	2.0	4.0
	Z	14.31 43.9	0.8			-	8.7	5.8		
	A	14.46 32.2	0.9			+	2.6			
04	H	14.46 32.5	1.3			-	1.7	1.8	4.4	3.2
	Z	14.46 31.7	0.6			+	2.1	3.3		
	A	16.26 23.6	1.1			+	3.2			
04	H	16.26 23.2	0.8			+	11.1	15.4	3.8	3.1
	Z	16.26 23.9	1.0			-	0.8	1.0		
	A	16.26 31.2	1.1			+	7.0			
04	H	16.26 30.8	0.9			+	11.9	18.0	5.5	3.5
	Z	16.26 31.6	1.0			-	1.2	1.6		
	A	16.30 02.5	1.0			+	5.1			
04	H	16.30 02.1	0.6			+	16.0	23.5	3.5	3.5
	Z	16.30 02.7	1.0			-	2.7	2.0		
	A	18.53 26.9	0.9			+	8.2			
04	H	18.53 26.6	0.7				8.4	13.6	4.1	3.5
	Z	18.53 27.3	1.0			-	1.0	1.8		
	A	21.07 31.9	0.8				1.0	0.8		
04	H	21.07 32.3	1.3			-	0.2	0.2	0.5	2.5
	Z	21.07 31.3	0.3			-	2.7	3.0		
	A	21.12 37.3	0.7			-	2.8	1.8		
04	H	21.12 37.8	1.2				1.4	1.4	3.2	3.1
	Z	21.12 37.0	0.5			+	4.1	5.4		
	A	21.36 44.1	0.6			+	4.5	3.6		
04	H	21.36 44.7	1.0				3.4	6.0	3.6	3.3
	Z	21.36 44.3	0.6				2.5	4.4		
	A	21.54 08.2	0.7			+	72.4	39.2		
04	H	21.54 08.6	1.1			+	7.8	14.4	5.1	4.3
	Z	21.54 08.7	0.9			-	5.7	4.2		
	A	22.41 18.0	0.8			+	4.7	4.4		
04	H	22.41 18.4	1.0			-	1.6	2.8	0.8	3.3
	Z	22.41 17.7	0.3			-	7.7	8.2		
	A	22.59 37.6	0.7			+	3.4	2.9		
04	H	22.59 38.0	1.0			-	2.4	3.3	1.7	3.1
	Z	22.59 37.4	0.3				6.6	7.9		
	A	23.06 34.0	0.7			+	3.2	2.6		
04	H	23.06 34.5	1.0				2.0	2.0	2.0	3.3
	Z	23.06 33.5	0.4				12.2	13.4		
	A	00.16 27.9	0.9			+	14.9	23.8		
05	H	00.16 27.7	0.7			+	8.8	17.0	4.3	4.1
	Z	00.16 28.5	1.0			-	4.1	2.4		
	A	00.17 09.3	1.0				2.8	1.8		
05	H	00.17 09.3	1.2			-	4.9	7.0	5.2	3.2
	Z	00.17 09.0	0.8			+	2.3	1.6		
	A	00.51 33.3	0.6			+	1.3	1.2		
05	H	00.51 33.6	1.0			-	0.8	0.8	1.6	2.7
	Z	00.51 32.9	0.3			-	5.1	6.4		
	A	01.58 21.2	0.8			+	5.8	7.6		
05	H	01.58 20.3	0.7			-	7.1	7.6	4.0	3.5
	Z	01.58 21.0	0.9				3.0	2.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	03.02 54.7	1.0			+	3.6	2.0		
05	H	03.02 54.8	1.1			-	2.4	4.0	5.4	3.4
	Z	03.02 54.6	0.8				0.7	2.4		
	A	03.42 05.0	0.8			-	2.0	1.8		
05	H	03.42 05.5	1.4			-	2.7	2.7	1.1	2.8
	Z	03.42 04.7	0.4				0.9	2.2		
	A	04.11 10.2	0.7			+	11.9	13.8		
05	H	04.11 10.6	0.9			+	1.4	1.7	4.9	3.5
	Z	04.11 10.5	0.9				1.2	1.6		
	A	05.09 01.3	1.0			+	3.7	6.9		
05	H	05.09 01.0	1.0				4.3	7.0	5.3	3.9
	Z	05.09 01.2	0.9				4.0	1.2		
	A	06.32 03.4	0.8			-	1.3	1.5		
05	H	06.32 04.0	1.2				1.5	1.4	3.0	2.9
	Z	06.32 02.9	0.4			+	4.6	5.5		
	A	07.57 07.1	1.0			-	3.3	2.1		
05	H	07.57 06.6	0.9			-	1.6	5.8	5.6	3.9
	Z	07.57 06.3	1.0			+	5.4	3.1		
	A	10.45 02.9	1.0			+	3.6	4.9		
05	H	10.45 02.9	1.1			-	3.2	5.6	1.7	3.3
	Z	10.45 02.5	0.6				4.0	12.0		
	A	11.09 13.6	0.8			-	11.9	7.5		
05	H	11.09 13.7	1.0				5.0	4.5	4.1	3.6
	Z	11.09 14.1	1.3			-	0.9	0.8		
	A	11.42 21.3	1.4			+	15.3	13.4		
05	H	11.42 20.6	1.0			+	17.2	20.8	5.8	4.6
	Z	11.42 21.4	1.3			+	3.6	2.4		
	A	12.55 09.3	0.9			+	79.2	27.8		
05	H	12.55 09.1	0.8				38.4	38.8	5.0	4.4
	Z	12.55 09.9	1.0			-	3.2	6.0		
	A	14.37 21.7	0.8				1.3	0.6		
05	H	14.37 21.7	0.9			-	0.6	0.9	3.8	2.9
	Z	14.37 21.4	0.6				0.6	0.8		
	A	16.07 37.8	0.7			-	9.1	4.4		
05	H	16.07 37.3	0.5			+	11.8	10.8	2.9	3.5
	Z	16.07 38.7	1.1			+	0.5	1.5		
	A	21.06 12.8	1.0				2.1	1.7		
05	H	21.06 12.8	1.1			-	3.4	2.8	3.5	3.6
	Z	21.06 12.4	0.6			+	2.0	2.6		
	A	21.25 24.4	0.9			-	13.5	6.5		
05	H	21.25 23.7	0.6			+	8.2	11.2	4.4	3.6
	Z	21.25 24.7	1.2			-	0.4	0.6		
	A	22.08 55.0	0.7			-	13.4	8.0		
05	H	22.08 55.3	1.1			+	5.2	3.6	5.0	3.6
	Z	22.08 55.2	0.8			-	2.7	1.2		
	A	22.12 00.8	0.7			+	8.7	5.4		
05	H	22.12 01.7	1.1			+	4.2	4.7	5.2	3.6
	Z	22.12 01.5	0.8			+	4.6	3.8		
	A	22.56 45.1	0.8			+	12.6	8.8		
05	H	22.56 44.8	0.7				4.7	5.0	4.5	3.6
	Z	22.56 45.3	1.0			-	0.9	1.5		
	A	23.35 49.8	1.3			+	3.0	2.4		
05	H	23.35 50.4	1.8			+	1.9	2.0	8.1	3.1
	Z	23.35 49.6	1.2			+	0.3	0.6		
	A	00.21 34.0	0.6			+	2.0	1.8		
06	H	00.21 34.4	0.9				2.7	3.2	2.2	2.8
	Z	00.21 33.7	0.4			-	4.0	1.8		
	A	02.56 27.0	0.7			+	12.8	19.0		
06	H	02.56 27.6	1.1			+	2.5	2.4	4.8	3.8
	Z	02.56 27.4	0.8			-	3.6	2.5		
	A	03.16 46.8	0.9			+	17.5	18.4		
06	H	03.16 46.5	0.9				17.2	18.2	4.6	4.1
	Z	03.16 47.1	0.8			-	5.6	6.4		
	A	03.16 52.7	0.9			+	6.9	13.1		
06	H	03.16 52.4	0.9			-	12.2	19.9	5.2	3.6
	Z	03.16 52.8	0.9			-	1.9	1.3		
	A	03.17 49.4	1.0			+	20.8	13.1		
06	H	03.17 48.9	0.8			+	10.2	13.0	5.6	3.9
	Z	03.17 49.6	1.1			-	1.8	1.9		
	A	04.28 46.8	0.9			+	2.1	2.2		
06	H	04.28 46.5	0.8			-	5.4	7.6	4.4	2.8
	Z	04.28 46.7	0.9				0.6	0.6		
	A	04.59 11.4	1.0			+	45.6	33.5		
06	H	04.59 11.4	1.1			+	20.0	22.4	6.6	4.7
	Z	04.59 11.8	1.0			+	9.8	14.1		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

May. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
06	A	07.55 45.1	1.1			+	12.4	5.0		
	H	07.55 44.3	0.9			+	6.2	8.8	6.1	3.6
	Z	07.55 45.2	1.3				0.5	0.9		
06	A	08.37 16.7	0.9			+	12.2	4.5		
	H	08.37 16.4	0.8			-	6.0	4.4	5.4	3.4
	Z	08.37 16.9	1.3			-	0.2	0.6		
06	A	08.50 56.7	0.9			-	2.5	1.9		
	H	08.50 57.4	1.3			-	1.2	1.2	2.7	3.2
	Z	08.50 56.1	0.4				6.2	5.2		
06	A	09.08 59.2	0.9			+	2.0	3.4		
	H	09.08 58.6	0.6				4.9	3.4	2.7	3.3
	Z	09.08 59.3	0.8				2.8	1.0		
06	A	11.08 59.6	0.8			-	33.2	16.4		
	H	11.08 59.2	0.6			+	40.4	30.6	3.6	4.2
	Z	11.09 00.1	1.2			-	4.2	4.0		
06	A	11.09 22.0	0.8			-	5.6	4.8		
	H	11.09 21.5	0.6				8.6	8.2	3.9	3.3
	Z	11.09 22.4	1.1				0.8	1.4		
06	A	11.49 25.4	1.1			+	12.3	4.0		
	H	11.49 24.8	0.6				8.0	10.4	3.4	3.8
	Z	11.49 25.6	1.2			-	1.6	2.0		
06	A	13.15 53.8	0.9				3.2	8.9		
	H	13.15 53.4	0.9			-	8.7	9.2	5.1	3.7
	Z	13.15 53.8	0.9			+	4.0	2.1		
06	A	14.01 04.9	0.7				23.8	12.0		
	H	14.01 05.2	0.9			-	5.8	5.7	4.5	3.5
	Z	14.01 05.3	0.8			-	0.8	1.0		
06	A	16.04 00.5	0.8			+	50.6			
	H	16.04 00.1	0.7			-	22.8	27.4	3.7	4.5
	Z	16.04 00.6	0.8			-	6.2	10.5		
06	A	18.56 23.5	1.0			+	1.6			
	H	18.56 23.7	1.1			+	2.7	4.5	4.9	3.2
	Z	18.56 23.1	0.8				3.1	3.8		
06	A	19.06 01.3	0.8				40.0			
	H	19.06 01.1	0.7			+	19.3	29.4	4.2	4.4
	Z	19.06 01.5	0.9			-	6.8	9.1		
06	A	19.08 15.3	1.0			+	87.0			
	H	19.08 15.1	0.7			-	39.8	26.2	2.8	4.6
	Z	19.08 15.2	0.9			-	11.6	21.8		
06	A	19.09 10.2	0.7				6.0			
	H	19.09 09.8	0.6			-	6.5	8.4		2.7
	Z	19.09 10.2	0.4			-	0.8	0.6		
06	A	19.09 29.8	0.6			+	7.5			
	H	19.09 29.7	0.6				18.3	15.6	3.2	3.0
	Z	19.09 30.2	0.9				0.8	0.6		
06	A	19.12 47.8	0.9			+	4.5			
	H	19.12 47.0	0.7			+	11.9	7.2	4.6	3.3
	Z	19.12 47.7	1.0			-	1.8	1.7		
06	A	19.16 43.9	0.6			+	13.7			
	H	19.16 43.9	0.7			-	15.8	19.2	2.9	3.4
	Z	19.16 44.1	0.7			-	1.6	1.8		
06	A	19.17 15.0	0.6			-	2.8			
	H	19.17 14.9	0.7				2.4	3.2	3.0	2.9
	Z	19.17 15.1	0.7			-	0.8	1.7		
06	A	19.23 23.7	1.5				1.0			
	H	19.23 23.9	1.5			+	1.4	2.3	9.8	3.2
	Z	19.23 22.7	1.5				1.4	0.8		
06	A	19.44 24.9	1.0			+	6.8			
	H	19.44 24.2	0.7			-	10.8	10.9	3.9	3.7
	Z	19.44 24.9	1.0			+	4.1	2.1		
06	A	19.52 46.0	0.7				26.0	18.4		
	H	19.52 45.9	0.7			-	19.6	19.7	3.8	3.9
	Z	19.52 46.0	0.8			-	2.2	3.4		
06	A	20.12 05.2	0.7			-	6.0	8.3		
	H	20.12 05.9	1.4			+	3.3	4.2	4.2	3.5
	Z	20.12 05.4	0.8				3.0	2.4		
06	A	20.12 30.8	0.7				7.6	6.0		
	H	20.12 31.5	1.3				1.9	2.9	4.4	3.2
	Z	20.12 30.9	0.7			+	1.3	1.3		
06	A	20.31 48.5	0.7			+	15.9	22.3		
	H	20.31 48.1	0.8			-	24.0	20.1	3.6	3.6
	Z	20.31	0.7			-	1.8	1.2		
06	A	20.52 09.8	0.8			+	5.0	7.1		
	H	20.52 09.6	0.9			-	11.6	10.8	4.6	3.5
	Z	20.52 09.9	0.8			-	2.7	1.6		
06	A	21.27 51.8	0.8			+	6.5	4.8		
	H	21.27 51.7	0.6			-	7.2	6.1	2.6	3.5
	Z	21.27 52.0	0.8			-	3.9	2.2		
06	A	21.35 10.5	0.9			+	6.2	10.6		
	H	21.35 10.3	0.8				8.2	14.6	5.2	3.5
	Z	21.35 10.9	1.0			-	1.0	1.2		
06	A	21.38 10.1	1.0			+	3.4	2.3		
	H	21.38 10.2	1.2			-	6.2	8.2	4.9	3.5
	Z	21.38 09.6	0.7			+	6.6	7.2		
07	A	01.18 58.5	1.0				2.5	5.1		
	H	01.18 58.0	0.8			+	8.8	10.5	5.2	3.3
	Z	01.18 59.8	1.1				0.9	1.0		
07	A	02.05 20.8	1.0				4.6	4.0		
	H	02.05 21.1	0.8			-	2.4	2.0		3.4
	Z	02.05 20.0	0.4			+	4.5	5.8		
07	A	02.18 52.5	1.1				5.1	2.4		
	H	02.18 52.3	0.9				0.9	1.9	5.7	3.3
	Z	02.18 52.3	1.1			+	1.1	0.9		
07	A	06.06 08.9	1.0				4.6	4.0		
	H	06.06 09.3	1.3			-	1.0	1.0	2.4	3.2
	Z	06.06 08.2	0.5			+	2.5	3.1		
07	A	07.06 57.4	0.8				11.4	4.3		
	H	07.06 57.9	1.3				7.2	10.4	3.3	3.8
	Z	07.06 57.2	0.5				9.7	8.0		
07	A	08.30 12.4	0.7				3.4	2.5		
	H	08.30 13.1	1.2			-	1.6	2.3	3.4	3.0
	Z	08.30 12.2	0.6				0.9	2.6		
07	A	09.10 30.9	1.1				27.1	28.2		
	H	09.10 31.5	1.6			+	17.8	13.1	6.3	4.3
	Z	09.10 30.9	0.9			+	6.8	6.2		
07	A	11.09 59.4	0.8				1.3	1.0		
	H	11.10	1.2			-	1.0	1.0	4.0	2.8
	Z	11.10 00.2	0.6				2.8	2.5		
07	A	11.24 46.9	1.1			-	3.5			
	H	11.24 46.4	0.8			-	4.4	3.2	5.1	3.0
	Z	11.24 46.9	1.1				0.5	0.6		
07	A	12.07 14.1	0.5			+	3.9	2.6		
	H	12.07 14.6	1.0			-	1.4	2.0	2.8	2.8
	Z	12.07 14.2	0.5			-	0.6	1.9		
07	A	12.58 58.6	1.1				3.2	6.7		
	H	12.58 58.5	1.1			+	6.4	6.6	6.8	3.7
	Z	12.58 58.7	1.1			+	3.4	3.0		
07	A	13.07 29.1	0.7			-	10.7	5.5		
	H	13.07 29.4	0.8			-	3.8	4.6	4.3	3.2
	Z	13.07 29.5	0.9			-	0.7	0.9		
07	A	14.06 29.2	0.7			+	4.2	3.0		
	H	14.06 29.7	1.2			+	2.6	4.0	3.4	3.3
	Z	14.06 29.1	0.5			-	5.6	7.4		
07	A	14.23 51.0	0.7				10.4	7.8		
	H	14.23 51.5	0.8				1.0	1.6	4.1	3.1
	Z	14.23 51.3	0.9				0.4	0.6		
07	A	15.55 12.3	0.7			-	3.3	2.3		
	H	15.55 12.9	1.3			-	1.1	1.4	3.7	2.9
	Z	15.55 11.9	0.6			+	1.0	1.7		
07	A	17.44 38.1	1.1			+	4.8	3.6		
	H	17.44 38.3	1.1			-	3.2	3.9	6.3	3.6
	Z	17.44 38.1	1.0			+	3.6	1.2		
07	A	18.05 30.5	0.8				0.9	1.0		
	H	18.05 31.1	1.2				0.5	0.8	2.6	2.6
	Z	18.05 29.8	0.4				2.8	1.6		
07	A	18.16	0.8				1.2	0.6		
	H	18.16	1.0				0.9	1.4	4.7	2.8
	Z	18.16 56.8	0.8				1.8	1.9		
07	A	22.17 34.4	0.5				1.8	1.4		
	H	22.17 35.5	1.0				1.1	1.2	2.1	2.5
	Z	22.17 34.5	0.4			-	0.7	2.1		
07	A	22.44 53.5	1.0			+	2.0	2.1		
	H	22.44 54.2	1.4			-	0.3	0.4	3.1	3.0
	Z	22.44 53.1	0.5				3.0	1.3		
07	A	23.41 01.6	0.9			+	4.0	7.8		
	H	23.41 01.5	0.8				6.3	8.6	4.8	3.3
	Z	23.41 01.7	0.9				1.0	0.7		
07	A	23.52 11.2	0.9			+	4.5	4.6		
	H	23.52 11.1	0.8			+	5.4	6.6	3.9	3.4
	Z	23.52 11.2	0.8			-	3.1	2.2		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
08	A	00.01 08.3	0.9				80.7	39.5		
	H	00.01 08.0	0.8				36.4	39.1	4.9	4.7
	Z	00.01 08.8	1.2				4.4	6.9		
08	A	00.17 16.5	1.1			+	5.1	3.4		
	H	00.17 16.3	1.0			-	7.8	6.7	5.6	3.7
	Z	00.17 16.3	1.0				3.5	2.3		
08	A	02.28 17.0	1.2				16.4	7.0		
	H	02.28 16.4	0.8			+	8.5	8.1	4.7	4.1
	Z	02.28 17.1	1.2			-	3.2	2.4		
08	A	02.29 37.0	1.2				5.7	6.3		
	H	02.29 37.3	0.7			+	3.7	5.2	3.7	3.4
	Z	02.29 38.2	1.2				0.9	0.7		
08	A	03.33 22.3	0.9			-	2.0	1.5		
	H	03.33 23.0	1.4				1.5	1.8	3.2	2.8
	Z	03.33 22.0	0.5			+	1.0	1.9		
08	A	03.49 23.6	0.9			-	10.5	4.8		
	H	03.49 23.7	1.1			+	4.6	4.6	6.9	3.5
	Z	03.49 24.0	1.4			-	0.6	0.7		
08	A	04.57 20.1	0.9				2.6	1.2		
	H	04.57 20.0	0.9				1.3	1.8	1.9	2.8
	Z	04.57 19.8	0.5				0.8	1.7		
08	A	04.57 40.0	1.3			+	3.7	4.6		
	H	04.57 39.5	0.9			+	8.0	8.7	5.2	3.4
	Z	04.57 40.1	1.2				0.9	0.9		
08	A	05.06 17.8	0.8			+	8.6	7.8		
	H	05.06 17.6	0.6			-	15.5	19.4	1.9	3.5
	Z	05.06 17.9	0.7			-	2.7	3.1		
08	A	06.19 17.4	0.8				5.0	3.8		
	H	06.19 17.1	0.9				7.4	9.2	1.1	2.8
	Z	06.19 17.9	0.5				0.7	1.0		
08	A	10.41 03.8	0.9			+	6.0	8.6		
	H	10.41 03.8	0.8			+	4.1	8.6	4.7	3.2
	Z	10.41 04.2	1.0			-	0.6	0.6		
08	A	12.42 58.5	0.6			-	24.4	6.8		
	H	12.42 59.4	0.8				9.4	10.6	3.2	4.1
	Z	12.42 58.9	0.7				4.6	10.4		
08	A	15.30 34.0	0.7			+	18.2	8.6		
	H	15.30 34.3	0.9				3.0	2.9	4.5	3.4
	Z	15.30 34.7	1.0				0.5	11.0		
08	A	15.32 52.5	4.7				31.9	11.0		
	H	15.32 53.1	1.0				4.3	3.8	5.0	3.8
	Z	15.32 53.2	0.9				1.0	1.6		
08	A	15.35 50.1	1.2				5.4	5.3		
	H	15.35 50.0	1.0			-	6.9	6.4	5.5	3.6
	Z	15.35 50.2	1.0				3.2	2.5		
08	A	15.36 39.6	0.5			+	4.7	7.0		
	H	15.36 39.0	0.9				4.3	8.5	3.6	3.3
	Z	15.36 39.4	0.9				2.4	0.9		
08	A	17.25 25.5	1.2			+	3.2	5.3		
	H	17.25 25.2	0.9			+	3.5	2.4		3.4
	Z	17.25 25.9	0.7				2.6	1.3		
08	A	18.20 23.1	1.0			+	1.6	1.0		
	H	18.20 23.4	1.2			-	2.0	2.6	5.6	3.1
	Z	18.20 23.1	0.8				3.1	1.2		
08	A	18.41 59.0	1.1				5.0	3.6		
	H	18.41 58.9	1.1			-	5.9	7.4	6.4	3.6
	Z	18.41 58.9	1.0				3.2	1.3		
08	A	19.32 09.1	0.9			-	8.0	6.2		
	H	19.32 09.9	1.2				0.9	1.4	6.0	3.6
	Z	19.32 08.5	1.0				3.2	1.5		
08	A	19.39 34.7	0.9			+	3.3	2.5		
	H	19.39 33.6	0.9				1.7	3.8	5.0	3.4
	Z	19.39 33.9	0.9				3.7	1.3		
08	A	21.31 39.6	0.6			+	5.2	3.6		
	H	21.31 40.2	0.8				0.6	0.4	3.8	2.7
	Z	21.31 40.0	0.8				0.4	0.3		
08	A	22.20 14.4	1.1			+	4.7	6.5		
	H	22.20 13.8	0.9			+	7.1	6.3	6.1	3.7
	Z	22.20 14.5	1.2			+	2.6	1.0		
08	A	22.57 43.0	0.8				0.7	0.8		
	H	22.57 43.6	1.2			-	1.0	1.0	3.3	2.4
	Z	22.57 42.5	0.5				1.5	0.9		
08	A	23.55 16.7	0.8			-	8.5	4.7		
	H	23.55 17.7	1.5				6.5	7.2	2.3	3.7
	Z	23.55 16.3	0.5			+	6.9	8.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
09	A	01.22 25.4	1.0				1.0	0.8		
	H	01.22 25.5	1.2				1.4	2.0	5.8	3.
	Z	01.22 25.0	0.8				4.5	1.8		
09	A	03.49 09.0	1.3				2.2	1.6		
	H	03.49 09.6	1.8				0.9	1.4		3.
	Z	03.49 08.7	0.7			+	1.9	0.8		
09	A	04.56 39.4	0.7				2.3	2.0		
	H	04.56 40.0	1.1			-	1.4	1.7	3.2	2.
	Z	04.56 39.3	0.5				1.0	2.2		
09	A	07.56 35.8	1.0				1.7	1.4		
	H	07.56 35.5	0.7			+	4.5	3.7	4.5	2.
	Z	07.56 35.9	1.0				1.0	0.6		
09	A	12.09 51.6	0.8				1.4	1.9		
	H	12.09 52.4	1.5				0.9	1.4	3.5	2.
	Z	12.09 51.2	0.7				0.7	0.9		
09	A	12.47 49.6	0.6				17.8	17.3		
	H	12.47 48.5	0.7				22.9	24.5	2.8	3.
	Z	12.47 50.1	0.7				6.6	7.4		
09	A	12.16 01.7	0.5				0.3	0.7		
	H	12.16 02.2	0.9			-	0.2	0.6	0.8	2.
	Z	12.16 01.3	0.3			-	2.4	2.0		
09	A	12.57 07.6	0.9		+	+	3.3	5.1		
	H	12.57 07.6	0.7	-	+	+	7.5	5.9	3.7	3.
	Z	12.57 07.8	0.9	-			1.8	1.4		
09	A	13.45 25.7	0.9			+	1.6	1.9		
	H	13.45 25.4	0.9			+	2.3	2.3	5.8	2.
	Z	13.45 25.9	1.1				0.7	0.6		
09	A	13.59 05.4	0.6				0.6	0.7		
	H	13.59 06.2	1.0			-	0.3	0.3	2.1	2.
	Z	13.59 05.7	0.3				2.7	1.1		
09	A	14.00 11.0	0.9			+	1.6	1.7		
	H	14.00 10.6	0.7			+	4.3	6.9	4.5	2.
	Z	14.00 11.2	1.0	-			0.7	0.6		
09	A	14.28 53.6	0.7			-	3.4	3.5		
	H	14.28 54.3	1.2			-	2.3	2.6	3.6	3.
	Z	14.28 53.4	0.6				1.2	4.1		
09	A	14.46 47.7	0.6			-	5.0	6.8		
	H	14.46 48.1	1.0			-	4.7	3.8	2.1	3.
	Z	14.46 47.5	0.4	-		+	5.7	5.4		
09	A	14.58 17.8	1.0				1.3	2.0		
	H	14.58 18.7	1.1				2.8	3.7	4.1	3.
	Z	14.58 18.2	0.7			+	3.2	3.3		
09	A	15.07 00.1	0.9			+	3.5	4.3		
	H	15.07 00.0	0.9			+	10.0	6.4	5.9	3.
	Z	15.07 00.0	1.2				2.5	1.5		
09	A	15.39 37.4	0.6			+	7.7	12.3		
	H	15.39 37.1	0.5			+	13.8	14.0	0.6	3.
	Z	15.39 37.7	1.1			+	2.1	2.1		
09	A	16.06 29.1	0.7			+	5.2	5.0		
	H	16.06 28.9	0.8			+	11.4	14.0	3.8	3.
	Z	16.06 29.5	1.1			-	0.8	0.8		
09	A	16.33 06.1	0.7				0.6	1.2		
	H	16.33 06.3	1.1			-	1.6	1.4	3.0	2.
	Z	16.33 05.7	0.5				3.8	2.1		
09	A	18.07 18.8	0.6	-		+	11.9	24.8		
	H	18.07 19.6	0.5			-	19.7	26.2	0.9	40
	Z	18.07 19.2	0.7	-		-	5.3	8.0		
09	A	18.10 47.2	0.9				2.4	1.1		
	H	18.10 46.9	0.8				4.8	5.8	4.9	2.
	Z	18.10 47.4	1.0				0.6	0.4		
09	A	18.16 29.3	0.6			-	10.0	6.0		
	H	18.16 30.1	1.3				5.0	8.3	2.0	3.
	Z	18.16 29.2	0.6			+	5.7	9.7		
09	A	19.03 42.8	0.9			+	2.4	3.1		
	H	19.03 42.7	0.9			-	5.0	4.2	5.2	3.
	Z	19.03 43.1	0.8	+		+	1.2	0.9		
09	A	19.04 28.3	0.5			+		0.9		
	H	19.04 29.4	1.0				0.5	0.5	1.7	2.
	Z	19.04 28.3	0.4	-	+	-	2.4	2.0		
09	A	19.07 50.8	0.7				1.9	1.0		
	H	19.07 51.6	0.9				0.7	1.0	4.3	2.
	Z	19.07 50.7	0.7			+	0.5	0.7		
09	A	19.11 30.3	0.7	-		+	12.6	13.6		
	H	19.11 31.1	1.0				1.3	1.5	4.7	3.
	Z	19.11 31.0	0.9			-	1.0	0.8		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	20.07 44.2	0.7			-	5.7	2.0		
09	H	20.07 44.1	0.6				9.0	7.7	2.9	3.0
	Z	20.07 44.9	1.1				0.4	0.7		
	A	23.11 07.5	1.0				1.5	1.0		
09	H	23.11 07.9	1.2			-	1.3	1.9	3.3	3.1
	Z	23.11 07.1	0.6				3.8	1.6		
	A	23.25 42.8	0.4				0.4	0.3		
09	H	23.25 43.4	0.9			+	0.3	0.3	1.5	1.7
	Z	23.25 42.6	0.4				0.9	0.6		
	A	23.43 47.9	1.0				4.3	2.5		
09	H	23.43 47.5	0.9			+	4.4	4.8	4.5	3.6
	Z	23.43 47.6	0.9			-	5.8	4.8		
	A	23.48 21.1	0.6			+	2.4	2.2		
09	H	23.48 21.3	1.0				2.5	2.6	4.3	3.0
	Z	23.48 21.2	0.8				2.6	0.4		
	A	01.27 47.1	0.7				3.8	3.0		
10	H	01.27 47.6	1.0			-	2.6	3.5	3.6	3.1
	Z	01.27 47.0	0.6				3.4	3.4		
	A	01.28 10.7	0.9			+		2.1		
10	H	01.28 10.5	0.9			-	3.9	3.0	5.6	2.8
	Z	01.28 10.6	1.0				0.6	0.8		
	A	01.34 05.5	0.7					1.6		
10	H	01.34 05.1	0.9				5.4	5.1	4.5	2.4
	Z	01.34 05.6	1.0				0.2	0.4		
	A	02.26 43.0	1.1				1.0	1.3		
10	H	02.26 43.9	0.9				2.0	1.5		2.3
	Z	02.26 42.2	0.6				0.4	0.4		
	A	02.27 47.2	1.0				8.5	3.8		
10	H	02.27 47.7	1.4				5.4	8.5	6.4	3.8
	Z	02.27 47.1	0.9				4.0	5.8		
	A	02.42 32.6	1.0			-	2.8	3.3		
10	H	02.42 32.8	1.1			-	3.1	4.0	3.7	3.1
	Z	02.42 32.1	0.6			+	2.1	1.8		
	A	04.16 36.5	0.9				27.3	9.2		
10	H	04.16 36.7	0.8			+	18.6	24.4	5.1	4.2
	Z	04.16 36.6	1.0			-	4.8	6.0		
	A	04.30 16.8	0.9				8.6	1.0		
10	H	04.30 16.3	0.7			+	4.8	5.0	4.8	3.2
	Z	04.30 17.1	1.2			-	0.4	0.6		
	A	06.38 23.1	0.7				6.1	6.8		
10	H	06.38 23.9	1.1				1.6	2.2	5.4	3.2
	Z	06.38 23.8	1.0			-	1.2	0.7		
	A	08.50 18.2	1.1				2.0	1.0		
10	H	08.50 18.4	1.3				2.6	4.1	6.3	2.9
	Z	08.50 17.9	0.9				0.8	0.6		
	A	08.51 33.8	1.0				8.5	7.8		
10	H	08.51 33.7	0.7				6.0	4.7	4.3	3.5
	Z	08.51 34.0	1.1				1.6	1.4		
	A	08.55 44.8	0.9				31.2	12.0		
10	H	08.55 45.7	1.1			-	4.3	5.3	3.4	3.6
	Z	08.55 44.4	0.5				4.2	5.4		
	A	09.08 38.4	1.1				1.9	1.3		
10	H	09.08 38.5	1.2			-	3.4	6.0	6.2	3.1
	Z	09.08 38.0	0.9				0.8	1.8		
	A	11.13 47.4	0.9				1.6	0.7		
10	H	11.13 47.6	0.9				0.8	0.9	2.0	2.6
	Z	11.13 47.1	0.6				1.4	1.3		
	A	11.31 16.9	0.6				4.6	0.8		
10	H	11.31 17.0	0.7			-	0.9	1.8	1.2	3.0
	Z	11.31 17.2	0.5			-	2.7	2.3		
	A	20.21 35.2	1.0				0.9			
10	H	20.21 35.1	0.8			-	1.4	1.6	3.7	2.9
	Z	20.21 35.0	0.9				1.1	2.5		
	A	22.05 30.2	1.0				1.1			
10	H	22.05 29.9	1.0			-	2.8	2.6	5.8	3.1
	Z	22.05 29.9	1.0				1.4	2.6		
	A	00.54 48.9	0.6				1.1			
11	H	00.54 49.1	0.8				0.2	0.2		2.2
	Z	00.54 48.2					1.5	1.6		
	A	00.55 31.9	0.7				7.2			
11	H	00.55 31.6	0.5			+	10.0	11.6	2.6	3.2
	Z	00.55 32.0	1.1				1.0	1.1		
	A	01.19 25.2	0.5			+	10.6			
11	H	01.19 25.7	0.9			+	1.7	2.8	3.7	3.2
	Z	01.19	1.0			-	0.9	0.8		
	A	02.00 30.5	0.3					4.6		
11	H	02.00 30.6	0.6					2.6	3.6	0.5	2.2
	Z	02.00 30.6	0.7					0.2	0.3		
	A	03.39 42.5	0.8					2.2		
11	H	03.39 42.5	0.9			-		2.0	3.1	4.0	2.5
	Z	03.39 42.1	0.7					0.3	0.4		
	A	04.34 29.9	0.8					3.7		
11	H	04.34 29.6	0.6			+		4.1	8.2	4.0	3.1
	Z	04.34 30.2	1.0					0.7	0.8		
	A	05.04 03.1	0.6					0.2			
11	H	05.04 03.6	1.1					0.3	0.4	3.1	1.6
	Z	05.04 02.9	0.5			-		0.5	0.6		
	A	05.51 15.9	0.7					10.5			
11	H	05.51 15.8	0.6					8.4	8.0		2.9
	Z	05.51 17.1						0.4	0.8		
	A	05.59 27.4	0.5			+		2.5	1.5		
11	H	05.59 27.5	1.0			-		1.1	1.8	3.0	2.7
	Z	05.59 27.0	0.5			+		1.5	1.1		
	A	06.01 14.5	0.6					2.4	2.0		
11	H	06.01 14.7	1.1			-		0.6	0.8	3.1	2.5
	Z	06.01 14.0	0.5			-		0.8	0.8		
	A	06.08 57.9	0.7					1.4	2.4		
11	H	06.38 57.7	0.8					3.4	5.2	3.7	2.8
	Z	06.38 58.1	0.7					1.0	0.8		
	A	06.41 35.2	0.9			+		1.0	3.0		
11	H	06.41 34.9	0.7					3.2	2.6	1.1	3.0
	Z	06.41 35.1	0.7					1.1	0.7		
	A	06.52 38.2	0.6			+		3.2	7.3		
11	H	06.52 38.2	0.7			-		5.4	10.9	3.3	3.5
	Z	06.52 38.2	0.9			-		3.3	1.7		
	A	07.19 22.7	0.7			+			1.8		
11	H	07.19 22.2	1.0					1.2	0.7	4.0	2.6
	Z	07.19 20.7	0.6			+		0.6	0.8		
	A	08.00 51.3	0.7			+		1.6	1.0		
11	H	08.00 51.3	1.0			-		0.8	0.8	1.5	2.8
	Z	08.00 50.3	0.3			+		4.4	6.0		
	A	09.10 13.4	0.9						6.4		
11	H	09.10 12.8	0.7					7.6	9.7	4.2	3.2
	Z	09.10 12.9	1.0					0.9	1.0		
	A	09.19 37.3	0.6			+		9.6	13.7		
11	H	09.19 36.9	0.6					7.2	12.8	3.0	3.4
	Z	09.19 37.0	0.9					1.0	1.0		
	A	11.17 52.2	0.9					6.4	10.0		
11	H	11.17 52.9	0.7			-		7.2	7.6	4.2	3.6
	Z	11.17 52.1	0.9			+		0.9	2.1		
	A	12.19 43.9	0.7			+		2.1	1.8		
11	H	12.19 44.7	1.1					1.0	2.1	3.6	2.8
	Z	12.19 43.8	0.5					2.3	2.1		
	A	12.53 12.6	1.0					2.4	2.2		
11	H	12.53 12.8	1.2			-		2.8	4.0	5.1	3.2
	Z	12.53 12.2	0.7					2.8	1.3		
	A	15.31 52.9	1.2					0.8	1.0		
11	H	15.31 53.0	2.0			-		2.0	3.1	5.8	3.2
	Z	15.31 52.4	0.9			+		2.3	2.6		
	A	15.34 56.1	1.0			-		3.1	3.5		
11	H	15.34 56.2	1.1			-		4.6	6.5	5.6	3.4
	Z	15.34 55.7	0.8			+		3.8	2.0		
	A	19.00 14.1	1.0					4.3	4.1		
11	H	19.00 14.2	0.9			-		8.0	7.2	5.8	2.9
	Z	19.00 14.5	1.0					0.2	0.3		
	A	19.14 44.8	1.0					3.6	4.8		
11	H	19.14 44.6	0.8			+		3.6	6.0	5.3	3.1
	Z	19.14 45.2	1.0					0.7	0.6		
	A	21.43 22.1	0.8			+		4.7	5.7		
11	H	21.43 22.5	1.0			-		3.3	3.2	3.3	3.2
	Z	21.43 21.8	0.5					4.6	2.8		
	A	22.23 58.9	0.3			+		2.4	4.7		
11	H	22.23 59.2	0.9			-		2.2	2.5	1.2	3.0
	Z	22.23 58.3	0.4			-		7.5	8.2		
	A	22.33 13.4	0.8					1.4	1.5		
11	H	22.33 13.7	1.0					1.1	1.5	2.0	2.8
	Z	22.33 12.9	0.4			-		3.8	2.8		
	A	22.42 09.9	0.8			+		7.0	9.0		
11	H	22.42 10.5	1.0			+		1.3	3.2	5.4	3.2
	Z	22.42 10.3	0.9			+		1.0	0.6		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
11	A	23.50 12.1	1.0			+	7.2	5.7		
	H	23.50 12.3	1.2			-	7.0	10.6	6.2	3.8
	Z	23.50 11.8	0.9				3.8	5.8		
12	A	00.38 56.4	0.8			-	4.2	3.0		
	H	00.38 56.5	1.2			-	8.4	13.8	4.8	3.2
	Z	00.38 56.5	0.7				2.8	1.7		
12	A	00.51 07.4	0.9			+	2.2	2.5		
	H	00.51 08.2	1.9			+	1.7	2.5		3.0
	Z	00.51 07.7					2.7	1.6		
12	A	01.00 38.7	0.3			-	4.7	5.8		
	H	01.00 39.4	0.8			+	8.8	11.8	1.9	2.6
	Z	01.00 38.9	0.6				0.8	1.0		
12	A	01.02 24.2	0.5			+	26.8			
	H	01.02 24.8	1.0			+	7.5	7.8	3.1	4.0
	Z	01.02 24.5	0.8				8.8	8.6		
12	A	01.16 19.5	0.4			-	9.6	4.9		
	H	01.16 20.0	0.8			-	5.0	7.8	2.0	3.0
	Z	01.16 19.5	0.5				0.8	2.1		
12	A	01.17 46.8	0.6			+	16.9	2.7		
	H	01.17 47.5	1.0			+	3.2	5.4	3.9	3.6
	Z	01.17 47.1	0.7				3.2	2.6		
12	A	01.41 27.8	0.5			+	17.6	9.9		
	H	01.41 28.5	0.9			-	11.9	14.8	3.1	3.4
	Z	01.41 28.1	0.6				3.4	3.2		
12	A	02.41 53.8	0.6			+	9.5	7.4		
	H	02.41 53.8	0.9			+	3.5	3.7	3.9	3.1
	Z	02.41	0.9				0.8	0.6		
12	A	10.53 57.2	0.7			+	2.7	6.1		
	H	10.53 57.1	0.7				4.3	6.5	3.4	3.0
	Z	10.53 57.4					0.8	1.2		
12	A	11.17 02.9	1.0			+	1.8	1.7		
	H	11.17 02.5	0.9				6.1	9.4	5.3	2.8
	Z	11.17 02.8	1.0			+	0.8	0.6		
12	A	11.35 22.4	0.9			+	3.4	5.5		
	H	11.35 21.9	0.9			-	4.9	7.8	4.4	3.1
	Z	11.35 22.5	0.8				1.0	0.8		
12	A	12.44 37.0	0.9				1.2	2.4		
	H	12.44 36.9	0.9			-	1.3	2.6	5.2	2.9
	Z	12.44 37.1	0.9				1.1	0.4		
12	A	12.58 03.3	0.6				3.4			
	H	12.58 04.2	1.0			+	1.2	2.4	3.0	2.9
	Z	12.58 03.6	0.4				2.3	1.9		
12	A	12.59 28.6	0.7			+	12.3	11.9		
	H	12.59 29.5	1.2			+	8.9	14.6	2.4	3.6
	Z	12.59 28.9	0.4			-	6.4	5.4		
12	A	13.02 09.8	0.6				3.1	2.8		
	H	13.02 10.9	1.1				0.6	1.6	3.5	2.6
	Z	13.02 10.1	0.6			-	0.7	0.6		
12	A	13.29 07.3	0.3			+	7.9			
	H	13.29 08.1	0.9				2.4	2.3	1.3	2.6
	Z	13.29 08.0	0.5				0.4	0.9		
12	A	13.31 01.2	0.4				4.6			
	H	13.31 01.9	1.0				2.6	3.1	2.7	2.5
	Z	13.31 01.6	0.6			-	0.4	0.8		
12	A	13.31 17.3	0.9			-	3.1			
	H	13.31 17.8	1.3				2.4	2.0	2.1	3.2
	Z	13.31 17.1	0.4			-	4.8	3.5		
12	A	13.36 33.1	0.9				5.7			
	H	13.36 33.8	1.1			+	1.1	2.1	6.3	3.5
	Z	13.36 33.6	1.0			-	2.7	0.9		
12	A	14.17 34.6	0.6			+	4.6			
	H	14.17 35.7	0.9				1.3	0.8	3.6	3.0
	Z	14.17 35.2	0.7				1.5	1.1		
12	A	14.19 26.1	0.7				6.4	3.6		
	H	14.19 27.1	0.8				1.2	1.2	4.2	2.8
	Z	14.19 26.6	1.1				0.3	0.2		
12	A	14.59 28.1	0.7				4.2	7.2		
	H	14.59 28.0	0.6				4.4	5.3	3.5	3.1
	Z	14.59 28.5	0.9			-	0.3	0.8		
12	A	15.42 59.1	1.2				9.2			
	H	15.42	1.2				5.0	7.5	7.8	3.8
	Z	15.42 59.5	1.2			-	3.1	1.9		
12	A	15.43 17.5	1.2				3.4			
	H	15.43 17.2	0.9			+	2.6	2.6	5.9	3.6
	Z	15.43 17.7	1.4				2.4	1.2		
12	A	15.53 26.3	1.1				1.4	1.5		
	H	15.53 26.0	0.7			+	2.6	3.0	4.0	
	Z	15.53 26.8	1.2				0.4	0.6		
12	A	15.53 30.1	1.3			+	5.0	6.4		
	H	15.53 29.8	0.9			+	7.5	6.7	3.3	
	Z	15.53 30.7	1.1			+	3.5	1.8		
12	A	16.00 41.0	0.6				4.3			
	H	16.00 42.1	0.8				1.1	1.3	3.8	
	Z	16.00 41.9	0.8				0.6	0.4		
12	A	16.19 40.5	1.1				0.6	1.7		
	H	16.19 41.0	1.0				0.7	1.2	4.6	
	Z	16.19 41.0	0.9			+	0.5	0.5		
12	A	16.22 34.9	1.1				1.1	2.2		
	H	16.22 35.9	1.4			+	0.5	1.1	5.8	
	Z	16.22 35.1	0.8				0.5	0.6		
12	A	17.07 27.3	0.7			+	6.0	9.3		
	H	17.07 27.5	0.6			-	6.1	4.7	3.1	
	Z	17.07 27.8	0.8			-	0.7	0.9		
12	A	17.08 30.6	1.0			+	6.8	14.8		
	H	17.08 30.2	0.8			-	15.8	13.2		
	Z	17.08 30.5	0.8			-	6.8	7.3		
12	A	18.13 28.7	0.6				5.2	6.8		
	H	18.13 29.2	0.9				3.6	3.8	4.0	
	Z	18.13 29.1	0.9			-	0.3	0.6		
12	A	19.14 28.5	0.5			+	1.1	1.2		
	H	19.14 29.3	0.9				0.4	0.6	2.8	
	Z	19.14 28.4	0.5				0.5	0.4		
12	A	19.24 50.3	1.0				0.9	0.4		
	H	19.24 50.9	0.9			-	0.7	0.8		
	Z	19.24 50.1	0.7				0.3	0.3		
12	A	19.35 56.6	0.7				2.0	3.0		
	H	19.35 57.4	1.3			+	0.7	0.7	3.4	
	Z	19.35 56.7	0.6				0.6	0.4		
12	A	21.10 14.6	0.6				10.1	9.4		
	H	21.10 14.7	1.1				3.0	4.2	2.9	
	Z	21.10 15.1	1.2			-	0.5	0.6		
12	A	22.42 03.3	0.9			+	9.2	5.2		
	H	22.42 03.0	0.9			-	8.3	12.1	4.7	
	Z	22.42 03.2	0.9				4.2	3.0		
12	A	22.46 52.6	1.0			+	3.4	6.6		
	H	22.46 52.3	0.8			-	8.0	15.6	4.7	
	Z	22.46 52.7	0.9				1.9	1.6		
12	A	22.47 14.0	0.9				1.0	0.8		
	H	22.47 14.1	0.8			-	1.0	1.0	3.4	
	Z	22.47 14.1	0.8				1.7	0.4		
12	A	23.12 45.1	0.8			+	1.1	1.2		
	H	23.12 45.4	1.1			-	0.3	0.5	2.4	
	Z	23.12 44.5	0.4				1.1	1.8		
12	A	23.23 43.7	1.1			+	8.4	7.6		
	H	23.23 43.5	0.8			+	24.6	13.6	4.4	
	Z	23.23 43.6	1.0				2.4	3.8		
13	A	00.32 52.5	1.0				0.6	1.4		
	H	00.32 52.7	1.2				1.1	0.6	0.8	
	Z	00.32 51.7	0.4				0.9	1.6		
13	A	01.29 40.1	0.7				3.4	3.4		
	H	01.29 39.4	1.4				1.2	1.9	3.3	
	Z	01.29 39.7	0.7				0.6	1.0		
13	A	01.31 40.5	1.0				4.0	3.6		
	H	01.31 40.3	1.0			-	3.5	5.0	5.9	
	Z	01.31 40.2	1.0				2.6	1.0		
13	A	02.45 17.9	0.7				6.4	4.1		
	H	02.45 17.9	1.4			+	10.5	12.8	2.6	
	Z	02.45	1.0				0.4	0.3		
13	A	03.38 37.8	0.8			+	4.4	5.8		
	H	03.38 37.8	1.0				2.9	2.5	5.3	
	Z	03.38 38.4	0.9				0.6	0.6		
13	A	03.55 56.1	1.0				4.6	9.4		
	H	03.55 55.8	0.8			-	5.5	10.0	3.8	
	Z	03.55 56.1	0.9				3.5	1.8		
13	A	04.22 31.4	1.0				0.6	0.8		
	H	04.22 31.2	0.7			-	3.2	4.6	1.8	
	Z	04.22 31.4	0.9				0.3	0.3		
13	A	04.40 25.2	0.8				1.0	1.2		
	H	04.40 25.1	0.6			-	1.6	1.8	2.8	
	Z	04.40 25.4	0.8				0.4	0.3		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

May. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	08.04 31.9	0.8			+	5.2	3.0		
13	H	08.04 32.3	1.3				0.4	0.7	5.8	2.8
	Z	08.04 32.1	1.0				0.3	0.2		
	A	08.53 19.0	1.0				2.8	4.0		
13	H	08.53 19.7	1.4			-	1.5	1.2		3.3
	Z	08.53 18.1					4.7	2.5		
	A	09.25	0.6				1.1	1.0		
13	H	09.25 14.9	1.1			-	0.6	1.1	4.0	2.1
	Z	09.25 14.3	0.8				0.4	0.4		
	A	09.52 04.8	0.9				0.8	1.0		
13	H	09.52 04.5	0.9				2.6	2.7	4.6	2.5
	Z	09.52 04.7	0.8				0.7	0.5		
	A	10.33 44.0	0.7			+	5.8	7.2		
13	H	10.33 43.4	0.8			+	10.0	15.5	3.8	3.4
	Z	10.33 43.6	0.8			-	1.6	3.1		
	A	10.49 14.6	0.9				0.3	0.9		
13	H	10.49 14.6	0.9			-	0.3	0.4		2.2
	Z	10.49 14.0					1.0	1.1		
	A	11.29 23.5	1.1			+	2.3	3.1		
13	H	11.29 23.2	1.0			-	2.3	4.5	4.0	3.3
	Z	11.29 22.4	0.9				2.4	1.0		
	A	11.32 23.2	0.8			+	14.6	10.8		
13	H	11.32 23.2	1.1			-	5.4	6.4	6.0	3.7
	Z	11.32 23.3	1.0			-	2.0	1.5		
	A	11.52 20.2	0.8			+	7.1	7.5		
13	H	11.52 19.7	0.7			-	3.7	3.4	3.7	3.1
	Z	11.52 20.1	0.9				0.8	0.9		
	A	12.05 50.5	1.2			+	4.3	3.5		
13	H	12.05 49.8	0.8			-	14.8	22.5		3.3
	Z	12.05 50.4	0.9				1.2	1.5		
	A	12.33 50.5	0.9			-	4.1	2.6		
13	H	12.33 50.4	1.4			-	4.5	5.2	4.7	3.4
	Z	12.33 50.0	0.7				3.3	3.7		
	A	12.48 36.6	0.8				0.5	1.1		
13	H	12.48 36.3	1.0			-	0.7	1.0		2.6
	Z	12.48 35.6					3.2	4.0		
	A	12.52 10.6	0.7			-	0.8	1.0		
13	H	12.52 10.8	1.0			-	0.7	1.2	2.6	2.7
	Z	12.52 10.0	0.5				2.8	3.3		
	A	13.23 16.9	0.7				1.1	1.1		
13	H	13.23 17.5	0.9				0.5		4.6	2.5
	Z	13.23 16.7	0.9				0.6	1.0		
	A	13.33 34.5	0.9				1.6	1.8		
13	H	13.33 34.4	1.1			-	0.9		0.8	3.0
	Z	13.33 33.8	0.4				4.9	5.0		
	A	13.35 04.1	0.8				0.8	1.0		
13	H	13.35 04.1	1.0			-	0.4	1.0	1.6	2.8
	Z	13.35 03.5	0.4				3.2	4.9		
	A	13.39 10.8	0.8				0.4	0.7		
13	H	13.39 10.9	0.9			-	0.4	0.4	1.7	2.3
	Z	13.39 10.4	0.4				1.4	1.2		
	A	14.00 33.6	0.8				2.3	2.2		
13	H	14.00 33.7	0.8				1.1	1.5		3.0
	Z	14.00 33.2					5.3	5.9		
	A	14.59 30.0	0.6				8.1	10.1		
13	H	14.59 29.6	0.7				6.8	9.8	3.4	3.2
	Z	14.59 30.2	0.9				0.8	1.2		
	A	15.37 42.5	0.9			+	3.2	8.1		
13	H	15.37 42.1	1.0				5.3	6.3	4.3	3.3
	Z	15.37 42.5	0.8			-	1.3	1.4		
	A	15.43 19.3	1.0				5.1	7.3		
13	H	15.43 19.2	0.7			-	6.5	1.6	2.3	3.3
	Z	15.43 19.8	0.8				1.7	1.2		
	A	15.46 16.8	0.8				0.9	1.1		
13	H	15.46 16.4	0.9				3.4	4.8	4.5	2.5
	Z	15.46 16.9	0.8				0.6	0.8		
	A	16.31 22.8	0.7				1.9	4.2		
13	H	16.31 23.3	1.0			+	1.0	1.0	4.0	2.7
	Z	16.31 22.8	0.6				0.7	0.6		
	A	16.28 26.0	1.0			+	4.7	2.6		
13	H	16.28 25.5	0.7			+	1.4	1.0	4.8	3.2
	Z	16.28 26.1	1.3				0.6	0.8		
	A	17.34 43.4	0.8			+	2.3	5.6		
13	H	17.34 43.5	0.7			-	2.2	2.0		3.5
	Z	17.34 42.8					9.0	13.7		
	A	17.42 48.4	0.7			+	1.6	1.2		
13	H	17.42 48.8	1.1			+	1.5	2.0	3.5	2.7
	Z	17.42 48.3	0.5				1.8	2.0		
	A	17.59 52.8	0.7			+	8.5	8.9		
13	H	17.59 53.3	1.1				5.3	6.7	4.4	3.7
	Z	17.59 52.7	0.7				4.7	8.4		
	A	18.00 43.3	0.8				0.5	1.1		
13	H	18.00 43.5	1.0				0.8	0.9	1.3	2.7
	Z	18.00 42.6	0.3				5.5	2.9		
	A	18.03 12.7	0.9			+	1.7	1.2		
13	H	18.03 12.4	0.8			-	3.4	3.7	3.9	2.8
	Z	18.03 12.8	0.8				0.6	0.8		
	A	18.04 40.2	1.2			+	0.8	2.3		
13	H	18.04 39.5	0.8				0.9	1.0	5.1	3.0
	Z	18.04 40.2	1.1				0.6	0.6		
	A	18.33 48.4	0.6				0.9	1.0		
13	H	18.33 48.9	1.2				0.6	0.7	3.0	2.1
	Z	18.33 48.4	0.5			-	0.6	0.5		
	A	18.33 58.8	0.7			+	3.4	3.9		
13	H	18.33 59.3	1.1				2.5	3.5	3.6	3.1
	Z	18.33 58.8	0.5				2.5	2.1		
	A	18.54 11.3	1.0			-	9.4	9.8		
13	H	18.54 10.8	0.7			+	6.8	8.1	4.6	2.6
	Z	18.54 11.8	1.2			-	0.3	0.5		
	A	20.05 17.7	1.0			+	0.1	0.4		
13	H	20.05 17.0	1.1				0.8	1.1	2.3	2.4
	Z	20.05 17.3	0.6			+	1.8	1.5		
	A	21.02 50.8	0.8			+	1.0	0.9		
13	H	21.02 50.7	0.8			+	2.0	1.4	2.0	2.5
	Z	21.02	0.6			-	1.1	0.9		
	A	21.14 05.2	0.9			+	3.4	4.3		
13	H	21.14 04.7	0.8			-	5.3	3.3	5.1	3.1
	Z	21.14 05.5	1.2					0.8		
	A	21.16 28.0	0.7			-	22.5	14.6		
13	H	21.16 28.4	0.6			-	12.4	11.7	3.6	3.7
	Z	21.16 28.8	0.9				0.6	1.7		
	A	21.42 46.9	0.8				1.2	1.2		
13	H	21.42 46.9	0.9			-	0.8	0.7		2.8
	Z	21.42 46.3				+	4.6	4.5		
	A	21.43 49.3	1.0				5.1	8.5		
13	H	21.43 49.8	0.7			-	4.8	9.4	2.9	3.6
	Z	21.43 50.0	1.0			+	0.7	1.7		
	A	23.06 33.9	0.8			+	1.6	1.2		
13	H	23.06 34.6	1.0				1.4	2.0	1.8	2.9
	Z	23.06 33.9	0.4			+	4.0	4.0		
	A	23.23 52.2	1.1			+	2.0	1.8		
13	H	23.23 51.9	0.8			-	6.3	8.6	2.2	2.8
	Z	23.23 52.6	0.9			-	0.7	0.5		
	A	00.35 59.2	1.0			+	9.8	13.7		
14	H	00.35 58.9	0.8				7.2	12.3	4.7	3.7
	Z	00.35 59.5	1.0			-	1.1	2.2		
	A	02.24 01.0	0.6				23.6	6.7		
14	H	02.24 01.3	0.9			+	5.5	5.2	4.8	3.9
	Z	02.24 01.6	0.9			-	1.8	3.5		
	A	02.52 41.9	0.6			-	2.5	2.2		
14	H	02.52 42.5	0.7				2.9	2.9		3.1
	Z	02.52 41.6				+	7.6	7.0		
	A	02.56 54.8	0.7			-	1.5	1.2		
14	H	02.56 55.5	0.7				0.7	1.0		2.8
	Z	02.56 54.5				+	3.3	1.6		
	A	03.08 20.9	0.4				19.8	14.6		
14	H	03.08 21.7	0.9				4.4	6.7	2.1	3.1
	Z	03.08 21.6	0.5			-	1.2	2.0		
	A	04.02 37.2	0.5			+	9.0	13.3		
14	H	04.02 38.2	0.9			-	6.8	7.0	3.5	3.6
	Z	04.02 38.0	0.7			-	0.8	4.6		
	A	04.43 27.7	0.9			-	7.1	11.1		
14	H	04.43 27.0	0.4			+	3.0	4.2	2.3	3.2
	Z	04.43 28.3	1.1			-	0.4	0.3		
	A	06.22 44.4	1.0			+	11.1	4.4		
14	H	06.22 44.9	0.8				0.8	0.9	3.9	3.4
	Z	06.22 44.6	0.9			-	1.0	0.8		
	A	06.59 53.7	1.5			+	4.1	3.0		
14	H	06.59 53.7	2.0				4.2	5.1	8.6	3.6
	Z	06.59 52.9	1.3			+	1.3	1.6		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	07.28 50.1	0.8			-	3.6	4.3		
14	H	07.28 50.9	1.3				4.7	5.7	3.5	3.3
	Z	07.28 49.8	0.5			+	2.7	4.4		
	A	08.27	0.6				18.5	8.8		
14	H	08.27	1.0				4.2	3.8	4.3	3.4
	Z	08.27 26.4	1.0			-	0.6	1.1		
	A	10.00 35.4	0.7			+	5.1	8.2		
14	H	10.00 35.3	0.8			+	5.8	6.6	2.3	3.0
	Z	10.00	0.5				0.8	1.1		
	A	11.44 03.5	1.4			-	1.0	0.7		
14	H	11.44 04.1	1.9			+	0.8	1.0	8.4	2.6
	Z	11.44 03.4	1.3				0.2	0.3		
	A	11.52 07.1					1.5	1.7		
14	H	11.52 06.5	0.8			+	3.3	2.3		2.5
	Z	11.52 07.5	0.7				0.3	0.2		
	A	12.40 47.3	0.7				1.6	2.8		
14	H	12.40 46.7	0.9				4.0	3.5	4.7	2.4
	Z	12.40 47.6	1.0				0.8	0.8		
	A	13.12 38.2	1.2				5.8			
14	H	13.12 39.0	0.8			+	4.5	6.2	3.3	3.1
	Z	13.12 39.7	1.0				0.3	0.6		
	A	13.20 59.8	1.1			+	6.5	4.5		
14	H	13.20 59.4	0.8			+	3.0	3.8	5.2	3.6
	Z	13.21 00.4	1.1				2.5	0.7		
	A	13.23 54.4	1.0				1.0	1.9		
14	H	13.23 54.4	0.7			-	1.2	1.8	1.7	3.3
	Z	13.23 55.0	0.8				0.2	0.4		
	A	13.25 30.1	0.8			+	8.8	6.2		
14	H	13.25 29.9	0.9			+	7.0	9.2	5.0	3.6
	Z	13.25 30.8	1.0				0.6	2.6		
	A	13.27 24.0	1.2			+	10.2	6.1		
14	H	13.27 23.4	1.0			+	9.5	8.8	6.0	3.5
	Z	13.27 24.6	1.2				1.1	1.0		
	A	13.28 25.3	1.2				3.1	1.8		
14	H	13.28 24.4	0.7			+	1.5	1.2	4.1	3.2
	Z	13.28 25.9	1.2				0.9	0.4		
	A	13.39 49.0	1.2				0.6	0.7		
14	H	13.39 49.0	1.2				0.6	1.1	5.1	2.4
	Z	13.39 49.0	0.9				0.4	0.2		
	A	13.52 08.7	0.7				6.1	9.2		
14	H	13.52 08.4	1.0			-	6.8	9.0	4.7	3.5
	Z	13.52 09.0	1.9			-	1.4	2.4		
	A	14.46 20.3	0.9				1.7	1.1		
14	H	14.46 20.4	1.1			+	0.5	1.1	3.4	3.0
	Z	14.46 19.7	0.5				4.0	3.6		
	A	17.49 38.1	1.0				1.9	1.1		
14	H	17.49 38.0	1.1			-	2.6	3.7	6.6	2.6
	Z	17.49 38.3	1.1				0.2	0.3		
	A	18.04 55.8	1.4			+	1.6	1.2		
14	H	18.04 56.4	1.8			+	1.1	0.7	7.7	3.1
	Z	18.04 55.9	1.1				1.0	1.0		
	A	18.29 21.3	0.7			+	2.6	9.2		
14	H	18.29 21.9	0.9				3.9	5.0	4.8	3.7
	Z	18.29 21.6	0.8			-	5.8	2.6		
	A	18.36 03.2	1.0			+	10.0	11.6		
14	H	18.36 02.7	1.1			+	4.9	5.1	6.7	3.6
	Z	18.36 03.7	1.1			-	1.3	1.2		
	A	18.46 08.8	0.8			-	2.3	1.4		
14	H	18.46 09.4	1.2				1.7	1.8	3.3	2.8
	Z	18.46 08.6	0.5				1.4	1.6		
	A	18.47 35.8	0.7			+	5.0	7.6		
14	H	18.47 36.3	0.7				0.8	1.2	4.2	2.4
	Z	18.47 35.9	1.0				0.4	0.3		
	A	18.47 52.2	0.9			-	3.2	2.7		
14	H	18.47 52.9	1.2			-	3.1	3.0	3.6	3.4
	Z	18.47 51.7	0.5			+	3.4	7.7		
	A	19.08 06.6	0.9				0.6	0.4		
14	H	19.08 06.6	1.0			-	0.4	0.6	3.0	2.1
	Z	19.08 06.5	0.6				0.6	0.6		
	A	19.17 49.7	2.2				1.4	2.5		
14	H	19.17 50.5	2.9			-	4.4	5.4	10.7	3.3
	Z	19.17 49.3	2.1				0.4	0.7		
	A	19.36 32.3	0.8			+	42.4			
14	H	19.36 32.0	0.9			+	31.5	33.2	4.9	4.6
	Z	19.36 32.7	1.1			-	6.0	12.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	19.38 01.8	0.8			+	5.8	8.3		
14	H	19.38 01.3	0.8				5.0	5.5	4.8	2.5
	Z	19.38 02.3	1.0			-	0.5	0.4		
	A	19.39 14.8	0.8			+	5.2	9.8		
14	H	19.39 14.5	0.8			+	6.6	10.8	4.6	3.3
	Z	19.39 15.0	0.9			-	0.9	1.2		
	A	20.32 50.8	1.5			+	9.2	10.7		
14	H	20.32 51.4	2.0			+	8.0	6.3	6.4	4.0
	Z	20.32 50.4	1.3				7.6	6.3		
	A	21.38 41.6	0.3			+	1.6	1.2		
14	H	21.38 42.2	1.0			-	1.3	3.0	1.5	1.9
	Z	21.38 41.7	0.5			-	1.1	0.6		
	A	21.38 53.2	1.0			+	0.9	1.8		
14	H	21.38 52.8	0.8			-	3.7	3.6	4.2	2.8
	Z	21.38 53.4	1.0			-	1.0	0.6		
	A	22.24 15.6	1.0			+	9.1	12.5		
14	H	22.24 15.3	1.0				30.1	22.3	5.6	4.4
	Z	22.24 15.7	0.9			-	12.1	19.8		
	A	22.24 38.7	0.9				2.1	2.9		
14	H	22.24 37.8	0.7				2.3	2.8	3.6	3.0
	Z	22.24 38.3	0.9				0.9	0.4		
	A	22.45 41.0	0.7				1.4	1.0		
14	H	22.45 41.1	1.0			-	1.6	1.6	2.4	2.6
	Z	22.45 40.8	0.4				1.3	1.6		
	A	22.45 48.8	0.7				1.0	0.5		
14	H	22.45 49.0	0.9				1.0	1.2	2.0	2.4
	Z	22.45 48.4	0.4				1.0	1.5		
	A	22.56 17.9	0.9			+	1.8	1.7		
14	H	22.56 17.7	0.8			-	2.4	2.7	4.2	3.1
	Z	22.56 17.8	0.8				2.4	1.0		
	A	23.07 01.6	1.0				1.5	6.6		
14	H	23.07 01.3	0.8			-	5.5	6.6	4.5	3.3
	Z	23.07 01.7	0.9				1.3	1.0		
	A	23.13 41.7	2.3				3.1	4.7		
14	H	23.13 42.3	3.1				13.1	9.4	6.3	4.0
	Z	23.13 41.3	2.1				1.5	2.7		
	A	23.15 38.7	0.8			+	10.0	11.8		
14	H	23.15 38.0	0.7			+	5.5	7.7	4.4	3.3
	Z	23.15 38.5	0.9			-	0.6	1.0		
	A	23.42 18.6	1.1				0.8	0.5		
14	H	23.42 18.7	1.2			-	0.6	1.1		2.3
	Z	23.42 18.1				+	0.6	0.5		
	A	23.43 02.5	1.5			+	4.4	4.2		
14	H	23.43 02.9	2.0			+	3.0	2.1	5.9	3.5
	Z	23.43 02.3	1.2			+	3.5	1.5		
	A	23.45 33.3	2.3				10.0	1.5		
14	H	23.45 33.6	3.0			-	3.6	2.8	7.6	3.5
	Z	23.45 32.2	2.2			+	0.2	0.3		
	A	23.54 35.8	1.5				0.4	0.5		
14	H	23.54 35.8	2.9				2.1	1.9	4.8	3.2
	Z	23.54 34.6	2.1				0.2	0.4		
	A	01.28 19.3	0.6			+	0.5	0.6		
15	H	01.28 19.5	0.9				0.7	0.7	1.9	2.6
	Z	01.28 19.0	0.4			-	1.6	1.1		
	A	01.29 51.9	0.9				1.0	0.9		
15	H	01.29 52.2	1.3			-	0.4	0.5	2.0	2.6
	Z	01.29 50.9	0.4			+	1.2	2.2		
	A	02.24 25.9	0.9			+	1.3	2.4		
15	H	02.24 25.0	0.7			+	4.0	4.2	4.9	2.8
	Z	02.24 25.8	1.1				0.5	0.3		
	A	02.31 34.5	0.8			+	4.1	7.2		
15	H	02.31 34.2	0.9			-	5.0	7.3	5.0	3.1
	Z	02.31 34.6	0.9				1.5	0.8		
	A	02.41 13.2	0.9				7.6	9.3		
15	H	02.41 12.7	0.9			-	9.0	15.3	5.0	3.8
	Z	02.41 13.6	0.9			-	4.3	2.4		
	A	03.02 39.7	0.9			+	5.5	9.0		
15	H	03.02 39.3	0.8			-	5.9	3.9	4.1	3.3
	Z	03.02 40.2	0.9				1.0	1.0		
	A	03.03 06.5	0.6			+	6.9	7.4		
15	H	03.03 05.3	0.6			-	7.4	6.9	2.8	2.7
	Z	03.03 05.8	1.0				0.3	0.2		
	A	04.48 06.5	0.7			+	6.8	9.2		
15	H	04.48 06.7	1.2			-	3.1	3.7	3.5	4.1
	Z	04.48 05.9	0.5			-	31.4	34.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

May. 1968
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	05.20 12.2	1.1			+	3.9	2.4		
15	H	05.20 12.5	1.1			-	3.1	5.2	3.4	3.6
	Z	05.20 11.7	0.7			+	1.6	6.1		
	A	05.33 11.0	0.9			+	10.0	7.1		
15	H	05.33 10.4	0.9			+	10.4	9.2	5.9	3.6
	Z	05.33 11.3	1.1				1.0	2.0		
	A	05.41 01.0	1.0				3.3	2.2		
15	H	05.41 00.7	1.2			-	5.4	7.8	6.4	3.6
	Z	05.41 00.5	0.9			+	4.5	5.6		
	A	05.54 44.8	1.1			+	3.2	7.1		
15	H	05.54 44.4	0.9			-	5.8	4.9	6.0	3.9
	Z	05.54 44.5	1.1				5.6	3.2		
	A	05.55 39.9	0.9			+	1.2	1.8		
15	H	05.55 40.1	1.3			+	2.4	1.4	2.9	3.2
	Z	05.55 39.1	0.4			-	6.6	10.2		
	A	07.04 12.5	1.1				2.7	1.4		
15	H	07.04 12.4	1.3			-	1.7	2.6	6.9	3.2
	Z	07.04 12.2	1.0			+	0.6	2.0		
	A	07.52 13.7	1.0			+	1.4	3.8		
15	H	07.52 13.3	1.0			-	2.3	3.6	4.4	3.1
	Z	07.52 13.6	0.8				1.4	0.7		
	A	08.01 09.0	0.9			+	15.6	14.0		
15	H	08.01 08.6	0.9			-	25.0	24.2	5.0	4.0
	Z	08.01 09.2	0.9			-	7.0	6.3		
	A	08.11 56.4	0.7			+	1.6	1.8		
15	H	08.11 56.8	1.2			+	2.7	3.5	2.7	3.3
	Z	08.11 55.9	0.4			+	7.8	17.2		
	A	08.42 41.5	1.1				0.8	0.9		
15	H	08.42 41.3	0.9			+	3.3	4.2		2.5
	Z	08.42 40.7				+	0.6	1.5		
	A	08.53 58.7	0.6			-	9.5	7.2		
15	H	08.53 59.3	1.0			-	4.5	5.0	2.1	3.3
	Z	08.53 58.6	0.4			-	5.6	4.2		
	A	13.10 08.3	1.1				3.0	2.4		
15	H	13.10 07.5	0.9				3.2	3.4	6.0	2.7
	Z	13.10 08.3	1.2				0.2	0.2		
	A	13.17 21.0	1.5				7.6	3.0		
15	H	13.17 20.3	1.0			+	7.6	8.6	2.3	3.6
	Z	13.17 21.0	1.2				0.9	1.0		
	A	14.21 52.1	0.8			+	9.6			
15	H	14.21 52.1	0.8			-	13.0	13.0	4.3	3.8
	Z	14.21 52.6	0.8			-	7.8	7.4		
	A	14.22 38.0	0.7				8.5	5.1		
15	H	14.22 37.7	0.9			-	8.3	10.0	4.6	3.1
	Z	14.22 38.2	0.9			-	0.8	0.8		
	A	14.48 54.5	0.7				0.6	0.7		
15	H	14.48 54.6	0.8				0.3	0.2		2.0
	Z	14.48 53.7					1.0	0.6		
	A	16.36 10.3	1.4				1.2	1.4		
15	H	16.36 10.8	1.8			+	0.6	0.9	7.5	2.8
	Z	16.36 10.0	1.2				0.4	0.4		
	A	16.46 27.0	0.8				4.5			
15	H	16.46 27.5	1.0				0.4	0.6	5.6	2.9
	Z	16.46 27.4	1.0				0.6	0.2		
	A	17.52 51.1	0.8				3.0	5.1		
15	H	17.52 50.8	0.9				3.4	4.8	3.9	2.4
	Z	17.52 51.4	0.7			-	0.6	0.4		
	A	19.42 18.4	1.1				3.6	2.2		
15	H	19.42 17.9	1.1			-	5.2	5.1	7.0	3.4
	Z	19.42 18.1	1.1			+	1.0	1.8		
	A	19.53 12.7	0.7			+	2.2	4.4		
15	H	19.53 13.4	1.2			+	2.2	3.2	3.6	3.3
	Z	19.53 12.4	0.5			-	4.9	3.8		
	A	20.15 09.9	0.9				1.3	1.6		
15	H	20.15 10.1	1.2				0.3	0.4	2.8	3.0
	Z	20.15 09.4	0.4				1.8	4.5		
	A	22.15 59.7	0.8				1.2	1.0		
15	H	22.16 00.4	1.2				0.8	1.4	5.0	2.6
	Z	22.15 59.6	0.7				0.4	0.9		
	A	00.07 12.3	1.0			-	0.3	0.4		
16	H	00.07 12.3	1.1				0.2	0.4		2.3
	Z	00.07 11.6	11.6			+	0.8	1.4		
	A	00.59 14.0	0.4				6.4	2.0		
16	H	00.59 15.0	1.0				1.0	1.0	2.8	2.7
	Z	00.59 14.8	0.7				0.7	0.6		
	A	01.19 29.9	0.8				0.8	0.6		
16	H	01.19 30.2	1.1				0.8	1.0	4.0	2.6
	Z	01.19 29.6	0.6				1.4	1.7		
	A	02.30 06.0	0.7				13.2	4.1		
16	H	02.30 06.3	1.0			+	1.2	1.6	5.3	3.4
	Z	02.30 06.4	0.9			-	1.0	1.0		
	A	03.04 53.6	1.0			+	2.0	2.0		
16	H	03.04 53.8	1.1				4.1	3.0	5.3	3.4
	Z	03.04 53.1	0.8				4.2	6.4		
	A	03.15 27.5	1.0				2.2	4.2		
16	H	03.15 27.6	1.1				2.0	3.0	6.4	3.6
	Z	03.15 26.7	1.0				4.2	4.7		
	A	03.28 44.7	1.0				0.6	0.5		
16	H	03.28 44.7	1.2			-	0.4	0.4	2.7	2.6
	Z	03.28 44.1	0.6				1.0	1.8		
	A	03.50 28.9	1.1				1.6	2.4		
16	H	03.50 28.3	1.1			+	1.6	2.0	7.3	3.0
	Z	03.50 28.7	1.2			+	0.7	0.6		
	A	04.09 56.7	0.8			+	1.0	1.7		
16	H	04.09 56.3	0.8				2.0	2.9	4.6	2.3
	Z	04.09 56.8	0.9				0.2	0.2		
	A	05.22 03.2	0.4				4.0	5.7		
16	H	05.22 03.6	0.9			+	2.0	2.0	3.0	2.8
	Z	05.22 03.6	0.8			-	0.4	0.9		
	A	05.26 06.7	1.1				3.3	5.0		
16	H	05.26 06.0	0.8			+	1.4	2.2	5.3	3.2
	Z	05.26 06.9	1.2				0.8	0.5		
	A	06.11 00.1	1.3				0.4	1.4		
16	H	06.10 59.4	0.7			+	3.7	4.0	1.9	3.0
	Z	06.11 00.1	1.2				0.6	0.4		
	A	06.17 18.4	0.9				2.6	1.2		
16	H	06.17 18.7	1.4				1.9	3.0	4.9	3.2
	Z	06.17 18.1	0.8				1.6	2.3		
	A	06.43 47.6	0.9				3.2	4.0		
16	H	06.43 47.2	0.9			-	5.7	6.5	4.7	3.2
	Z	06.43 47.7	0.8				1.6	0.7		
	A	06.51 20.8	0.5				20.0			
16	H	06.51 21.5	1.0			+	1.8	2.0	3.6	3.5
	Z	06.51 21.2	0.8			-	2.1	1.4		
	A	09.29 55.4	0.6				1.9	0.8		
16	H	09.29 56.5	1.0				0.7	0.4	4.4	2.6
	Z	09.29 57.0	1.0				0.6	0.6		
	A	12.14 17.6	0.8				0.8	0.7		
16	H	12.14 17.8	1.1			-	0.8	1.0	5.0	2.8
	Z	12.14 17.1	0.7			+	2.6	0.8		
	A	12.15 17.8	1.2				0.9	0.7		
16	H	12.15 17.6	1.2				1.0	2.0		2.8
	Z	12.15 17.1				-	0.7	1.7		
	A	13.00 04.7	0.7			+	10.2	9.3		
16	H	13.00 05.0	0.9			+	1.5	2.5	4.5	3.3
	Z	13.00 05.1	0.9			-	1.0	1.3		
	A	13.04 42.1	1.2				3.4	3.7		
16	H	13.04 41.5	1.3			-	6.3	6.1	5.6	3.1
	Z	13.04 42.4	0.9			+	0.8	0.5		
	A	18.36 40.6	1.0				11.3	11.9		
16	H	18.36 40.8	1.4			+	7.4	11.0	6.5	3.1
	Z	18.36 40.3	0.9			+	6.6	6.6		
	A	20.40 06.5	0.6			+	6.9	8.0		
16	H	20.40 06.8	1.0			+	1.6	2.1	4.1	3.0
	Z	20.40 06.8	0.8			-	1.1	0.8		
	A	23.35 08.2	0.9			+	6.6	9.0		
16	H	23.35 07.6	0.6			+	2.9	2.9	4.0	3.2
	Z	23.35 08.4	1.0			-	0.4	0.7		
	A	23.37 45.2	0.6			-	1.1	0.6		
16	H	23.37 45.6	1.3				1.8	2.4	3.2	2.5
	Z	23.37 45.8	0.6			+	0.4	1.6		
	A	23.53 47.4	0.9			-	13.4	8.0		
16	H	23.53 47.0	0.7			+	14.8	22.0	4.8	3.8
	Z	23.53 47.8	1.2			-	1.4	2.5		
	A	00.17 47.8	0.8			+	9.3	8.2		
17	H	00.17 47.3	0.7			+	11.3	14.6	4.1	3.3
	Z	00.17 47.7	1.0			-	0.9	1.1		
	A	00.58 26.2	0.8			-	4.3	9.2		
17	H	00.58 26.0	0.8			-	7.6	8.3	4.0	3.2
	Z	00.58 26.3	0.8			-	1.2	1.2		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	01.25 38.1	0.6			+	18.0	10.6		
17	H	01.25 38.8	1.0			+	12.6	15.5	2.9	4.0
	Z	01.25 37.8	0.5			-	9.8	19.1		
	A	01.31 33.4	0.6				3.2	4.3		
17	H	01.31 34.2	1.2				2.4	3.6	3.0	3.2
	Z	01.31 33.1	0.5			+	4.7	4.2		
	A	02.11 50.7	0.6			+	3.9	3.0		
17	H	02.11 50.1	0.8			+	2.5	3.1	3.1	3.3
	Z	02.11 50.9	1.2				2.3	1.0		
	A	02.22 55.2	1.0			+	2.8	2.2		
17	H	02.22 54.6	0.9			-	6.7	6.3	4.8	3.0
	Z	02.22 55.2	0.9				0.8	0.9		
	A	03.41 02.4	1.0				2.8	2.6		
17	H	03.41 02.1	0.7				1.3	2.0	4.3	3.2
	Z	03.41 02.2	1.1			+	1.5	1.1		
	A	04.48	1.1			+	0.2	0.2		
17	H	04.48 31.0	0.8			+	16.0	24.5	2.9	2.6
	Z	04.48 31.7	0.9			+	4.2	2.8		
	A	04.56 44.2	1.0			+	1.3	3.0		
17	H	04.56 43.4	0.9			-	4.6	5.3	5.5	3.0
	Z	04.56 44.0	1.0			-	0.7	0.7		
	A	05.07 17.9	0.9			+	3.3	9.6		
17	H	05.07 17.6	1.0			-	7.6	8.6	5.8	3.9
	Z	05.07 17.6	0.9			-	6.5	5.5		
	A	08.48 22.6	1.1			+	0.2	0.3		
17	H	08.48 23.0					1.1	1.3		2.5
	Z	08.48 21.9	0.7			+	2.3	1.7		
	A	08.54 24.2	0.9			+	5.1	6.1		
17	H	08.54 24.0	0.8			-	6.0	6.1	3.3	3.6
	Z	08.54 24.2	0.7			+	4.8	2.9		
	A	09.08 48.1	1.0				0.3	0.4		
17	H	09.08 49.0	1.2			-	0.3	0.4	5.0	2.3
	Z	09.08 48.3	0.7				0.6	0.7		
	A	12.52 47.4	1.1			+	5.0	4.4		
17	H	12.52 47.0	0.9			+	9.0	15.2	6.0	3.3
	Z	12.52	1.1				1.0	0.8		
	A	13.12 30.3	0.9			+	4.8	5.6		
17	H	13.12 30.2	0.7				4.3	3.8	3.7	3.1
	Z	13.12 30.5	0.9				0.8	0.7		
	A	15.35 51.3	0.6			+	4.4	3.0		
17	H	15.35 51.2	0.9				0.8	0.4	4.1	2.7
	Z	15.35 51.6	0.8			-	0.6	0.5		
	A	16.59 37.0	1.4			+	9.8	9.8		
17	H	16.59 36.1	0.9			+	17.0	8.6	3.1	4.0
	Z	16.59 36.9	1.2			+	3.8	3.0		
	A	17.15 34.1	1.0			+	7.0	15.2		
17	H	17.15 34.4	0.9			+	6.5	7.0	5.9	3.5
	Z	17.15 34.8	1.1			-	0.7	0.8		
	A	17.20 02.7	0.7			+	11.0	7.8		
17	H	17.20 03.3	1.0			+	5.7	6.2	4.9	3.4
	Z	17.20 03.0	0.8			-	1.8	1.4		
	A	17.39 36.8	0.7			+	4.2	5.6		
17	H	17.39 37.3	1.0			+			4.4	3.1
	Z	17.39 37.0	0.7			-	1.4	1.3		
	A	18.38 50.2	0.6			+	9.4	4.0		
17	H	18.38 50.4	0.8			+	3.8	3.6	4.0	3.1
	Z	18.38 50.4	0.9				0.4	0.9		
	A	18.53 16.2	1.2				3.0	3.2		
17	H	18.53 16.2	1.2			-	9.6	5.4	3.3	3.5
	Z	18.53 16.5	0.7				4.6	2.4		
	A	19.24 09.7	1.1			-	7.4	4.8		
17	H	19.24 09.7	1.2			-	16.4	35.8	5.3	3.6
	Z	19.24 09.3	0.8				2.3	2.6		
	A	20.02 44.7	1.0			+	2.1	3.6		
17	H	20.02 44.6	0.7			-	4.4		3.5	3.1
	Z	20.02 45.0	0.9				0.9	0.4		
	A	20.55 37.8	0.8			+	3.0	9.8		
17	H	20.55 37.8	0.6			-	6.0	7.3	3.7	3.3
	Z	20.55 38.3	0.9			-	0.6	1.0		
	A	21.03 23.4	0.8			+	7.4	5.4		
17	H	21.03 23.8	0.9			-	3.3	3.8	4.8	3.2
	Z	21.03 23.6	0.8			-	0.8	1.0		
	A	21.12 45.7	1.2			-	2.2	1.3		
17	H	21.12 45.9	1.2			-	4.8	8.4	2.7	2.9
	Z	21.12 45.6	0.8				0.8	1.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	21.16 21.8	1.0			+	8.1	9.2		
17	H	21.16 22.4	1.1				2.0	3.4	6.0	3.5
	Z	21.16 22.1	0.9				1.8	0.9		
	A	22.26 48.8	1.1			+	15.6	11.2		
17	H	22.26 48.6	0.8				13.6	14.2	5.7	3.9
	Z	22.26 49.4	1.2			-	1.5	2.0		
	A	00.14 42.7	1.0			+	6.5	6.4		
18	H	00.14 42.6	0.9			+	5.0	4.3	5.0	3.4
	Z	00.14 42.5	0.9			+	1.8	1.6		
	A	00.35 41.1	0.5			+	29.4	15.4		
18	H	00.35 42.1	1.0			-	4.6	4.4	3.6	3.9
	Z	00.35 41.6	0.7			+	5.0	5.0		
	A	00.39 28.3	0.7			+	4.4	6.9		
18	H	00.39 29.0	1.0			+	2.0	1.6	3.2	3.1
	Z	00.39 28.1	0.5			-	0.8	1.8		
	A	00.46 53.2	0.3			+	5.6	6.9		
18	H	00.46 54.0	0.7						1.5	2.8
	Z	00.46 53.4	0.7				1.0	1.0		
	A	00.51 21.9	0.4				5.3	5.1		
18	H	00.51 22.7	0.9			+	0.9	0.8	2.9	2.8
	Z	00.51 22.7	0.7					1.0		
	A	04.00 19.9	0.4			+	1.8	3.8		
18	H	04.00 20.4	0.7				5.7	3.6	1.9	2.8
	Z	04.00 20.6	0.9				0.7	1.0		
	A	04.07 16.5	0.6			+	6.3	1.0		
18	H	04.07 17.1	1.0			-	13.0	17.0	4.1	3.4
	Z	04.07 16.5	0.7			-	1.4	2.2		
	A	04.12 50.3	0.6				4.0	4.8		
18	H	04.12 51.7	1.2			-	1.0	1.0	3.2	3.0
	Z	04.12 50.5	0.5				1.2	2.2		
	A	07.10 48.1	0.6				2.0	3.8		
18	H	07.10 47.8	1.0				1.0	2.9	4.4	3.0
	Z	07.10 47.8	0.9				1.4	1.3		
	A	09.17 58.4	1.1			+	2.8	8.8		
18	H	09.17 57.6	0.8			-	7.2	7.4	2.9	3.2
	Z	09.17 58.2	0.9			+	2.8	1.4		
	A	10.50 33.7	0.7				2.8	1.4		
18	H	10.50 34.1	1.2				0.5	0.6	1.5	2.2
	Z	10.50 32.9	0.2				2.2	2.8		
	A	11.51 26.6	1.2			+	2.6	6.8		
18	H	11.51 26.0	0.9			+	7.0	10.0	6.0	3.4
	Z	11.51 26.5	1.2			+	0.8	0.3		
	A	13.38 07.0	0.9			+	4.0	2.2		
18	H	13.38 07.0	0.9			-	7.8	11.0	5.3	3.4
	Z	13.38 06.9	0.9			-	2.4	1.8		
	A	13.38 37.2	0.9				5.6	6.4		
18	H	13.38 36.9	0.7			-	3.4	3.0	4.2	2.9
	Z	13.38 37.3	0.9				0.3	0.4		
	A	14.06 10.7	0.8			+	4.8	6.2		
18	H	14.06 11.5	1.0			+	4.2	5.2	4.0	3.6
	Z	14.06 10.4	0.6			-	8.2	8.3		
	A	14.35 23.9	0.9				2.4	3.7		
18	H	14.35 24.3	1.1				3.4	3.4	4.7	3.1
	Z	14.35 24.0	0.7				1.4	1.2		
	A	14.48 53.1	0.9					0.4		
18	H	14.48 53.0	0.9				0.3	0.3		2.3
	Z	14.48 52.7				+	4.3	2.8		
	A	15.01 49.8	0.7				2.4	4.6		
18	H	15.01 49.6	0.6				5.2	7.6	3.5	2.9
	Z	15.01 49.9	0.9				0.4	0.6		
	A	15.39 43.2	0.7				0.8	1.0		
18	H	15.39 43.1	1.0			-	2.1	1.8	5.1	2.6
	Z	15.39 43.0	1.0				0.6	0.8		
	A	18.48 33.9	0.7				4.4	7.4		
18	H	18.48 34.8	1.2				2.0	2.5	3.6	3.2
	Z	18.48 33.5	0.5			+	3.2	2.0		
	A	19.15 35.2	1.0			+	2.4	3.1		
18	H	19.15 34.8	0.7			-	5.4	4.8	3.3	3.3
	Z	19.15 35.1	0.9				2.2	1.5		
	A	19.09 37.1	1.0					0.6		
18	H	19.09 37.7	1.3				0.4		2.8	2.0
	Z	19.09 36.3	0.5			+	0.2	0.4		
	A	21.25 18.0	1.0				8.2			
18	H	21.25 17.5	0.7			+	4.2	3.6	5.0	3.8
	Z	21.25 18.3	1.2				3.2	1.3		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

May. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
18	A	22.15 41.0	0.5			+	5.4	5.1		
	H	22.15 42.2	0.9			-	4.4	6.0	2.8	2.7
	Z	22.15 41.2	0.5			-	1.0	0.8		
19	A	00.02 21.0	0.7			+	1.0	0.8		
	H	00.02 21.6	0.9				0.6	0.6		2.7
	Z	00.02 20.2				+	7.3	8.2		
19	A	05.46 56.0	0.7			+	8.8	7.2		
	H	05.46 56.7	0.9				10.7		3.4	3.7
	Z	05.46 55.8	0.6			-	4.4	11.2		
19	A	05.57 08.1	0.6			-	5.2	10.4		
	H	05.57 09.1	1.2				4.4	5.2	2.4	3.4
	Z	05.57 07.8	0.4			+	5.0	5.4		
19	A	09.34 23.6	0.6				2.6	5.0		
	H	09.34 24.8	0.9				2.9	3.7	2.8	3.0
	Z	09.34 23.8	0.5				2.2	2.3		
19	A	15.28 34.7	0.9			+	18.2	12.8		
	H	15.28 34.5	0.9			+	18.5	31.8	5.7	4.3
	Z	15.28 35.2	1.0			-	3.8	10.3		
19	A	16.58 49.1	0.7			-	11.6	11.6		
	H	16 58 49.4	0.8			+	9.6	9.6	4.1	3.4
	Z	16.58 49.6	1.0			-	0.8	1.2		
19	A	17.00 10.8	0.7			+	0.4	1.0		
	H	17.00 11.2	0.9			-	0.3	0.3	4.7	2.6
	Z	17.00 10.3	0.3			-	3.7	3.6		
19	A	19.28 23.7	0.9			+	15.8	24.0		
	H	19.28 23.8	1.5			-	7.4	10.3	3.0	4.5
	Z	19.28 22.5	0.6			+	16.2	27.4		
19	A	19.55 00.9	0.5				1.1	0.8		
	H	19.55 00.7	1.0			-	0.9	0.8	2.1	2.5
	Z	19.55 00.0	0.4			+	2.4	3.2		
19	A	21.00 19.6	0.8			+	16.8	12.3		
	H	21.00 19.7	0.7			+	16.0	25.2	4.5	3.7
	Z	21.00 20.1	1.1			-	0.8	1.4		
19	A	21.21 11.6	0.8			-	2.9	3.7		
	H	21.21 12.4	1.5			+		5.5	3.8	3.4
	Z	21.21 11.5	0.8			+	4.0	5.2		
19	A	21.51 08.8	0.5			+	29.8	45.0		
	H	21.51 09.4	0.8			-	10.3	13.2	1.3	4.4
	Z	21.51 08.4	0.4			+	33.5	33.2		
19	A	21.52 39.1	0.6				49.0			
	H	21.52 39.5	1.0			+	3.8	7.8	2.9	3.9
	Z	21.52 39.6	1.2				0.7	1.2		
19	A	21.53 31.8	0.9			-	3.6			
	H	21.53 32.5	1.2				2.4	1.8	2.3	3.3
	Z	21.53 30.0	0.4			+	9.3	6.4		
19	A	22.00 01.3	0.9			+	9.0			
	H	22.00 01.9	1.5			-	7.3	12.5	5.5	3.9
	Z	22.00 01.2	0.9			+	7.4	7.6		
19	A	22.01 32.4	0.9				1.5			
	H	22.01 33.3	1.4			+	1.9	3.0	5.5	3.1
	Z	22.01 32.4	0.8			+	1.7	2.4		
19	A	22.48 17.1	0.7			+	0.8	0.8		
	H	22.48 17.4	1.2			-	0.5	0.4	1.5	2.6
	Z	22.48 16.3	0.3				6.4	5.1		
19	A	23.09 36.7	0.9			+	35.0	13.2		
	H	23.09 37.6	1.2			+	10.6	9.5	6.2	4.4
	Z	23.09 37.2	0.9			-	7.6	8.0		
19	A	23.27 40.1	0.6			-	2.8	2.4		
	H	23.27 41.2	1.2				3.0	2.6	2.0	2.7
	Z	23.27 40.0	0.4			+	1.6	1.8		
20	A	01.27 45.8	0.9			+	11.4	13.1		
	H	01.27 46.6	1.5			+	8.5	11.2	5.5	4.3
	Z	01.27 45.7	0.9			+	15.3	13.4		
20	A	03.18	0.7			-	7.9	12.8		
	H	03.18 04.5	1.1				0.6	1.8	5.2	3.5
	Z	03.18 04.0	0.9			-	1.5	1.4		
20	A	04.31 40.9	0.9			+	11.4	12.8		
	H	04.31 40.5	0.8			-	18.0	11.9	5.1	4.0
	Z	04.31 41.2	1.0			-	5.8	3.4		
20	A	08.31 24.0	1.0			+	12.9	14.6		
	H	08.31 23.3	0.6			-	16.1	10.8	3.4	4.1
	Z	08.31 23.8	1.0			+	6.8	6.6		
20	A	08.43 19.2	1.1				2.2	1.6		
	H	08.43 19.1	1.4			-	2.4	2.3	4.9	3.2
	Z	08.43 18.5	0.7			+	2.2	2.6		
20	A	08.44 09.7	1.1				4.0	3.0		
	H	08.44 09.9	1.3			-	5.0	8.0	2.4	3.1
	Z	08.44 09.7	0.5			+	3.3	1.8		
20	A	09.30 38.0	1.0			+	24.5	15.9		
	H	09.30 38.7	0.9			-	41.0	46.0	5.5	4.9
	Z	09.30 38.3	1.0				34.7	40.5		
20	A	09.50 26.2	1.0			+	12.9	10.6		
	H	09.50 26.3	1.0				15.8	13.3	4.8	4.2
	Z	09.50	0.8			-	11.0	8.4		
20	A	10.08 37.7	1.1			+	1.3	1.3		
	H	10.08 37.2	1.0				6.8	3.5	3.2	3.1
	Z	10.08 37.1	0.7			+	3.6	2.6		
20	A	10.23 59.4	1.0			+	3.6	1.8		
	H	10.23 58.6	1.1				3.4	5.4	5.8	3.1
	Z	10.23 59.1	0.9			+	1.2	1.0		
20	A	11.44 52.5	0.7			+	0.3	0.3		
	H	11.44 52.9	1.1				0.3	0.4	2.4	2.0
	Z	11.44 52.2	0.4				2.2	2.0		
20	A	11.55 17.6	0.8			+	13.8	16.3		
	H	11.55 17.3	0.9			-	13.6	17.4	5.0	3.8
	Z	11.55 17.8	0.9				3.6	2.2		
20	A	12.36 45.9	0.7			+	4.4	3.1		
	H	12.36 46.6	1.1			+	2.2	3.0	2.2	3.2
	Z	12.36 45.7	0.3				4.4	6.3		
20	A	12.51 23.9	0.9			+	2.6	2.9		
	H	12.51 23.7	0.7			-	9.4	10.4	3.5	3.2
	Z	12.51 23.9	0.8				3.0	2.8		
20	A	13.03 02.5	1.0			+	23.9	7.8		
	H	13.03 01.9	0.6				13.4	10.2	4.1	3.9
	Z	13.03 02.7	1.1			-	2.0	1.6		
20	A	13.39 00.4	1.0			+	5.9	5.1		
	H	13.39 00.2	1.1			-	15.2	10.7	5.7	3.7
	Z	13.39 00.1	0.9				6.0	4.0		
20	A	14.36 28.4	0.8				2.2	5.5		
	H	14.36	1.1				5.0	6.0	5.5	3.2
	Z	14.36 28.1	1.0			+	0.6	1.0		
20	A	15.09 00.0	1.0			+	1.8	2.8		
	H	15.09 00.0	1.0				4.8	3.8	3.8	3.2
	Z	15.09 00.0	0.7			+	2.6	1.0		
20	A	16.00 47.0	0.8			-	6.7	6.1		
	H	16.00 46.3	0.6				7.4	9.0	4.0	3.2
	Z	16.00 47.3	1.1				0.5	0.7		
20	A	16.25 57.6	0.7			+	14.0	8.3		
	H	16.25 58.1	1.1			-	1.8	2.3	5.2	3.7
	Z	16.25 57.8	1.0			-	3.3	1.2		
20	A	22.58 08.3	0.7				4.1	6.5		
	H	22.58 09.1	1.4			-	1.5	2.6	2.8	3.1
	Z	22.58 08.2	0.7			+	0.8	1.2		
21	A	01.46 58.8	0.4				3.1	2.0		
	H	01.46 59.8	0.9				2.0	2.3	2.5	2.8
	Z	01.46 59.0	0.6			+	1.1	2.5		
21	A	01.48 46.9	1.0				3.7	1.8		
	H	01.48 46.7	1.2			-	6.6	10.8	5.8	3.3
	Z	01.48 46.5	0.8				2.4	2.2		
21	A	06.09 34.9	1.1			+	7.1	10.4		
	H	06.09 33.8	0.7			+	16.2	15.4	4.7	3.5
	Z	06.09 35.5	1.1					1.0		
21	A	08.36 18.6	0.9			+	6.0	8.4		
	H	08.36 18.3	0.7				5.3	9.6	4.4	3.4
	Z	08.36 18.9	1.0			+	1.4	0.8		
21	A	10.51 10.8	0.9			+	21.2	17.8		
	H	10.51 11.2	1.0			-	15.6	24.0	2.3	4.4
	Z	10.51 10.4	0.5				31.0	23.5		
21	A	10.51 26.6	0.6			+	4.4	4.2		
	H	10.51 26.9	1.0			-	6.0	6.2	2.6	3.4
	Z	10.51 25.9	0.4				10.6	7.4		
21	A	10.52 05.1	0.7				1.0	1.0		
	H	10.52 05.3	1.1			-	1.8	1.6	2.2	2.6
	Z	10.52 04.6	0.3				3.6	1.6		
21	A	10.54 56.3	0.6			+	2.6	2.1		
	H	10.54 56.8	1.0				1.4	1.6	2.6	3.0
	Z	10.54 56.0	0.4				6.2	3.8		
21	A	11.02 10.5	0.7				1.3	1.5		
	H	11.02 10.9	0.9				1.4	1.4	0.9	2.8
	Z	11.02 09.9	0.3				4.3	4.6		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	11.03 56.1	0.6			+	6.0	4.8		
21	H	11.03 57.4	1.0				6.4	7.0	2.7	3.4
	Z	11.03 55.8	0.4				7.4	6.2		
	A	11.04 04.9	0.6				0.7	0.8		
21	H	11.04 05.5	1.0				1.0	1.2	1.9	2.3
	Z	11.04 04.7	0.3				2.6	1.8		
	A	13.52 13.4	1.0			+	4.5	5.7		
21	H	13.52 13.5	1.2			-	3.4	4.2	4.2	3.6
	Z	13.52 12.6	0.6				7.0	5.4		
	A	13.55 48.2	0.7			+	8.0	4.7		
21	H	13.55 48.1	0.7			-	4.8	6.4	1.3	3.2
	Z	13.55	0.5				1.8	2.0		
	A	13.56 14.1	1.0		-		3.0	4.0		
21	H	13.56 14.2	1.2		-		4.0	5.4	4.2	3.7
	Z	13.56 13.6	0.6				12.3	7.6		
	A	13.57 01.6	0.9		+		3.1	2.4		
21	H	13.57 01.5	1.2		-		4.4	4.4	4.0	3.3
	Z	13.57 00.9	0.6				4.0	5.6		
	A	14.36 44.0	1.0				3.4	3.0		
21	H	14.36 43.5	1.0		-		14.6	11.6	5.4	3.3
	Z	14.36 43.8	0.9				1.9	1.6		
	A	14.56 48.4	1.0		+		3.0	3.6		
21	H	14.56 48.1	0.9		+		7.8	9.0	4.5	3.8
	Z	14.56 48.3	0.9				9.6	6.0		
	A	16.38 14.9	0.8		+		3.0	2.6		
21	H	16.38 14.9	0.7		-		8.2	10.6	3.4	3.0
	Z	16.38 14.8	0.8				1.0	1.6		
	A	18.22 25.0	0.5		+		6.5	5.7		
21	H	18.22 25.7	0.9		+		3.4	5.6	3.2	3.0
	Z	18.22 25.4	0.7				0.9	1.7		
	A	19.30 25.0	0.6		+		8.8	7.0		
21	H	19.30 25.4	0.9				3.3	3.6	3.8	3.4
	Z	19.30 25.5	0.8				1.8	2.5		
	A	22.48 11.8	0.7		-		1.3	9.5		
21	H	22.48 11.7	0.5				15.9	17.4	2.2	3.4
	Z	22.48	0.8				0.8	2.2		
	A	23.10 42.5	0.7		-		19.4	7.8		
21	H	23.10 42.4	0.8				27.2	35.5	3.8	3.7
	Z	23.10 42.9	0.7				1.4	3.0		
	A	01.30 40.9	1.2		+		2.7	3.1		
22	H	01.30 40.0	0.9		+		6.8	7.2	4.6	3.3
	Z	01.30 40.8	1.1				0.8	0.9		
	A	02.31 26.3	0.7				1.6	1.1		
22	H	02.31 25.4	1.0				0.4		2.7	2.8
	Z	02.31 24.4	0.4				3.8	2.4		
	A	07.14 42.0	1.0		+		10.6	7.1		
22	H	07.14 41.2	1.0		+		12.0	19.0	6.2	3.9
	Z	07.14 41.9	1.0				4.0	3.4		
	A	10.25 15.7	0.9		+		4.3	4.7		
22	H	10.25 15.0	0.8				14.3	21.3	4.2	3.2
	Z	10.25 15.8	0.9				1.4	1.4		
	A	13.02 06.5	1.1				1.1	0.8		
22	H	13.02 07.0	0.9				2.4	2.2	5.2	3.3
	Z	13.02 07.3	1.0				4.0	4.0		
	A	13.07 23.1	1.0		-		4.0	2.0		
22	H	13.07 22.7	1.0		-		7.8	9.8	6.1	3.6
	Z	13.07 23.0	1.0				3.4	1.8		
	A	14.19 01.7	1.2		-		13.0	14.1		
22	H	14.19 01.2	1.0				14.8	16.6	6.5	4.2
	Z	14.19 02.0	1.2		+		4.2	6.2		
	A	16.54 10.6	0.7				59.6	36.0		
22	H	16.54 11.1	1.0				4.0	4.2	5.0	4.2
	Z	16.54 11.1	0.9		-		3.2	4.0		
	A	17.28 25.4	0.9				15.5	21.2		
22	H	17.28 25.3	1.2		-		8.2	6.8	4.7	4.5
	Z	17.28 24.6	0.7		+		24.6	19.8		
	A	18.00 37.9	0.9		-		1.4	1.1		
22	H	18.00 37.6	1.2		-		1.0	2.2	3.6	2.8
	Z	18.00 37.1	0.5				2.4	2.0		
	A	21.57 04.5	1.3		+		4.4	2.2		
22	H	21.57 05.1	1.8		+		2.3	1.6	8.6	3.7
	Z	21.57 04.3	1.2		+		3.2	2.0		
	A	02.02 46.8	0.8		+		7.0	5.6		
23	H	02.02 46.3	0.7		-		8.0	11.0	4.1	3.4
	Z	02.02	1.0				1.3	1.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.22 43.5	0.8			-	22.4	17.7		
23	H	02.22 42.8	0.7			+	24.0	48.0	4.0	3.1
	Z	02.22 43.4	0.9			+	2.0	2.2		
	A	02.30 27.8	1.6				1.5	0.7		
23	H	02.30 28.5	1.5				1.4	1.6	8.1	3.1
	Z	02.30 27.3	1.3			+		0.8		
	A	05.31 10.7	1.2			+	3.4	4.7		
23	H	05.31 10.3	0.8			+	8.2	4.4	4.3	3.1
	Z	05.31 10.8	1.1			+		1.0		
	A	05.33 32.3	0.8			+	3.0	4.2		
23	H	05.33 31.9	0.9				5.8	7.0	3.7	2.9
	Z	05.33 32.3	0.6					0.4		
	A	11.02 20.6	1.1				0.3	0.5		
23	H	11.02 22.1	1.2				0.4	0.6	4.0	2.6
	Z	11.02 21.8	0.7			+	1.4	2.6		
	A	11.49 32.4	0.9			+	2.2	1.2		
23	H	11.49 32.0	1.0			-	4.7	7.0	4.5	3.3
	Z	11.49 31.8	0.7				0.8	1.6		
	A	12.13 46.0	0.9			+	4.7	2.5		
23	H	12.13 46.3	1.0				2.0	1.8	1.6	3.1
	Z	12.13 45.3	0.4			+	3.8	6.3		
	A	12.37 51.2	0.7			+		1.4		
23	H	12.37 51.3	1.2				0.3	0.4	3.3	2.8
	Z	12.37 50.4	0.5			+	3.4	3.2		
	A	16.01 17.4	0.7			-	4.3	4.2		
23	H	16.01 17.9	1.1			-	1.4	1.2	2.8	3.1
	Z	16.01 17.2	0.4			+	3.4	4.2		
	A	18.51 49.6	0.7			+	5.4	8.8		
23	H	18.51 48.9	1.0			-	11.8	11.7	4.7	3.3
	Z	18.51 49.5	0.9				2.2	1.9		
	A	20.25 10.7	0.9			+	3.0	3.4		
23	H	20.25 10.2	0.8			-	9.4	8.4	4.8	3.3
	Z	20.25 10.7	0.9				1.4	3.0		
	A	01.06 50.7	0.9			+	2.7	5.8		
24	H	01.06 50.2	0.8			-	6.4	14.6	5.0	3.2
	Z	01.06 50.1	1.0				1.3	2.2		
	A	03.45 26.3	0.6				3.9	7.3		
24	H	03.45 26.8	1.0			+	4.5	8.6	3.7	3.2
	Z	03.45 26.5	0.6			-	3.0	2.4		
	A	04.33 29.5	0.9				2.5	2.9		
24	H	04.33 29.0	0.8			+	6.6	7.0	4.7	3.2
	Z	04.33 29.6	0.9			+	1.2	1.4		
	A	04.43 36.0	0.9			+	6.9	6.6		
24	H	04.43 36.5	1.2			-	2.2	3.0	2.5	3.2
	Z	04.43 35.9	0.4			+	6.8	9.0		
	A	05.19 34.6	0.8			-	1.1	0.9		
24	H	05.19 34.9	1.2			-	1.4	1.4	2.6	2.4
	Z	05.19 34.2	0.4			+	3.2	2.6		
	A	05.22 40.1	1.0			+	3.4	11.7		
24	H	05.22 39.8	0.8			-	10.4	13.0	4.1	3.2
	Z	05.22 40.4	0.9				2.2	2.2		
	A	07.42 08.1	0.6			-	23.3	30.0		
24	H	07.42 08.1	0.6			-	24.8	24.2	3.2	3.2
	Z	07.42 08.8	1.0			-	2.3	1.0		
	A	09.12 34.7	0.7			+	9.4	9.0		
24	H	09.12 35.2	1.3			-	6.2	6.8	3.2	3.1
	Z	09.12 34.1	0.5			+	12.8	6.0		
	A	09.24 22.6	0.9			+		8.7		
24	H	09.24 21.8	0.8			-	7.8	11.6	4.8	3.2
	Z	09.24 22.6	0.9				0.6	0.6		
	A	10.37 21.1	0.8			-	10.5	9.8		
24	H	10.37 21.7	0.8			+	6.0	9.0	3.0	4.1
	Z	10.37 21.1	0.6			+	23.6			
	A	10.40 40.2	0.8			-	3.0	1.0		
24	H	10.40 40.9	1.2			-	1.7	2.6	4.0	3.1
	Z	10.40 40.0	0.6				3.0	3.0		
	A	10.46 11.1	0.9				1.5	1.0		
24	H	10.46 11.8	1.2				2.0	2.4	4.0	2.9
	Z	10.46 10.8	0.6			+	2.8	2.6		
	A	10.48 53.0	0.6			-	1.9	1.1		
24	H	10.48 53.8	1.2				2.0	2.4	3.0	2.9
	Z	10.48 52.9	0.5				1.8	0.6		
	A	10.53 43.7	0.7			-	3.0	3.5		
24	H	10.53 44.5	1.2			-	3.9	5.3	3.5	3.3
	Z	10.53 43.7	0.5			+	5.0	2.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	13.16 37.6	0.4			-	9.8	7.3		
24	H	13.16 38.3					0.3			3.0
	Z	13.16 37.7	0.4			-	1.4	2.5		
	A	16.33 19.9	0.7			+	1.0	1.0		
24	H	16.33 19.7	1.1				0.4	0.4	2.1	2.5
	Z	16.33 19.4	0.3				1.0	2.7		
	A	17.52 12.9	1.0			+	2.3	2.7		
24	H	17.52 12.6	0.7			-	6.8	6.6	3.9	3.0
	Z	17.52 13.0	1.0			+	0.8			
	A	18.13 05.3	1.0			+	10.7	11.0		
24	H	18.13 05.1	0.8			+	7.2	10.4	3.7	3.7
	Z	18.13 05.7	0.8			-	1.0	2.7		
	A	21.00 53.7	0.9			-	2.7	2.5		
24	H	21.00 54.7	1.4			-	1.5	2.6	2.6	3.2
	Z	21.00 53.2	0.4				5.8	5.0		
	A	21.05 10.7	1.0			+	3.0	7.8		
24	H	21.05 09.6	0.9			-	5.2	3.7	5.4	3.9
	Z	21.05 10.8	1.0				6.6	3.8		
	A	21.48 28.2	1.1			+	2.1	6.3		
24	H	21.48 27.8	1.0			-	4.2	4.8	5.4	3.7
	Z	21.48 27.9	0.9				4.7	3.6		
	A	23.11 15.3	1.3			+	9.0	16.6		
24	H	23.11 15.2	1.0			+	14.2	21.0	6.0	3.9
	Z	23.11 16.0	1.2				1.7	1.6		
	A	23.45 52.3	0.9				11.0	11.4		
24	H	23.45 52.9	0.6				1.9	2.7	4.0	3.4
	Z	23.45 53.5	1.0				0.4	0.6		
	A	01.05 39.1	1.1			+	4.3	12.0		
25	H	01.05 38.7	1.0			+	7.7	6.4	6.8	3.6
	Z	01.05 39.5	1.2				0.9	0.9		
	A	01.06 55.1	0.7			+	20.5	11.1		
25	H	01.06 55.7	1.0			+	14.4	17.0	5.1	3.9
	Z	01.06 55.5	1.0				3.2	2.4		
	A	02.14 17.2	0.7			+	9.0	8.6		
25	H	02.14 17.9	1.3			-	3.1	5.2	3.7	3.7
	Z	02.14 17.1	0.6				8.3	9.9		
	A	02.55 08.3	0.8			+	72.1	50.0		
25	H	02.55 08.1	0.8				40.2	51.2	4.8	4.5
	Z	02.55 08.6	1.1				6.8	6.8		
	A	02.59 57.6	0.8			-	21.2	7.7		
25	H	02.59 57.3	0.7			-	11.2	18.6	4.3	3.8
	Z	02.59 57.9	1.0				1.0	1.5		
	A	03.17 36.7	0.8			+	17.2	8.2		
25	H	03.17 36.6	0.8			+	14.4	26.5	4.8	4.0
	Z	03.17 37.1	0.9				5.8	5.6		
	A	03.19 07.4	0.8			+	3.3	13.5		
25	H	03.19 07.4	0.7			-	7.7	10.0	4.3	3.7
	Z	03.19 07.9	0.9				1.0	2.6		
	A	04.09 24.5	0.9			+	6.2			
25	H	04.09 24.0	0.8			-	20.3	18.6	5.2	3.4
	Z	04.09 24.4	1.0				1.6	1.6		
	A	04.43 31.7	0.6			+	3.7	7.4		
25	H	04.43 32.6	1.1				2.4	4.4	3.8	3.2
	Z	04.43 31.8	0.6				2.7	1.8		
	A	05.57 01.9	0.5			-	67.1			
25	H	05.57 02.6	1.2			-	22.4	39.5	2.5	4.4
	Z	05.57 02.0	0.5				16.6	15.8		
	A	05.57 51.2	0.6			+	7.9			
25	H	05.57 52.2	1.0			-	6.7	10.0	1.8	3.1
	Z	05.57 51.2	0.3				1.3	2.8		
	A	06.22 14.7	0.7			+	0.6			
25	H	06.22 16.0	1.1			+	1.7	2.4	2.8	2.4
	Z	06.22 14.7	0.4				3.4	3.5		
	A	06.44 37.1	0.9			+	2.3	3.0		
25	H	06.44 36.9	1.1			-	5.8	4.4	2.4	3.2
	Z	06.44 36.8	0.6				4.2	2.1		
	A	07.27 59.1	0.7			+	1.2	1.0		
25	H	07.27 59.7	1.2				0.4	0.5	1.4	2.6
	Z	07.27 58.2	0.2				5.0	4.5		
	A	07.31 24.2	0.9			+	2.4	8.0		
25	H	07.31 25.1	1.2			+	2.5	3.2	3.7	3.5
	Z	07.31 24.5	0.5				3.9	3.6		
	A	10.53 09.2	0.9			+	17.2			
25	H	10.53 08.6	0.6			-	22.3	20.4	4.0	3.9
	Z	10.53 09.4	1.0				2.0	3.5		
	A	11.05 54.3	1.1			+	14.5	26.8		
25	H	11.05 54.1	0.9			-	25.8	27.5	4.1	4.3
	Z	11.05 54.6	0.9			-	7.0	7.4		
	A	11.06 39.8	1.0			+	9.5	10.0		
25	H	11.06 39.4	0.7			-	11.0	17.6	1.4	3.9
	Z	11.06 40.0	0.8			-	6.0	6.4		
	A	11.27 28.7	0.8			+	11.6	22.2		
25	H	11.27 28.3	0.8			-	16.6	16.0	4.8	3.5
	Z	11.27 28.6	0.9			-	8.0	7.6		
	A	11.27 50.5	0.9			+	1.5	1.9		
25	H	11.27 50.2	0.6			-	2.4	3.3	2.7	3.2
	Z	11.27 50.4	0.8				3.2	1.3		
	A	12.58 12.0	0.6			+	6.6	7.8		
25	H	12.58 12.0	0.9				5.8	7.0	4.1	3.5
	Z	12.58 12.3	0.8			-	4.2	4.4		
	A	13.12 22.2	0.5				0.6	0.6		
25	H	13.12 23.1	1.2				0.3		0.5	2.0
	Z	13.12 21.9	0.3				0.4	2.0		
	A	13.38 20.0	1.3			-	3.7	9.7		
25	H	13.38 20.7	1.7			+	3.0	5.6	7.9	3.9
	Z	13.38 19.8	1.1			+	3.2	2.4		
	A	13.48 17.0	0.6			+	3.2	2.6		
25	H	13.48 17.5	1.0			-	2.8	1.4	2.0	2.9
	Z	13.48 16.6	0.3			-	3.7	4.0		
	A	14.13 53.4	0.6			-	1.6	2.0		
25	H	14.13 54.3	1.1			-	1.2	1.5	2.8	2.5
	Z	14.13 53.2	0.5			+	0.8	1.2		
	A	14.20 58.6	0.7				2.2	0.6		
25	H	14.20 58.1	1.0			+	0.8	2.0	2.4	2.8
	Z	14.20 58.3	0.4			-	3.0	2.9		
	A	14.23 36.1	1.5				0.8	0.6		
25	H	14.23 36.7	1.4				0.8	0.7	7.1	2.6
	Z	14.23 35.9	1.2				0.2	0.3		
	A	15.28 16.9	1.0				1.9	2.0		
25	H	15.28 16.7	1.0			-	3.6	3.6	6.2	3.4
	Z	15.28 16.6	1.0			+	5.7	3.0		
	A	15.51 32.0	0.9				5.4	3.6		
25	H	15.51 31.9	0.8			-	6.4	3.0	5.2	3.1
	Z	15.51 32.5	1.0				0.8	0.5		
	A	16.31 31.7	0.9			+	2.0	6.5		
25	H	16.31 31.5	1.0			-	3.2	2.4	5.2	3.5
	Z	16.31 31.7	0.8				3.2	1.4		
	A	16.38 05.0	0.5			+	8.0	8.4		
25	H	16.38 05.7	0.8				1.6	1.5	3.5	3.1
	Z	16.38 05.3	0.9			-	1.0	0.8		
	A	19.29 50.9	1.0				1.2	1.3		
25	H	19.29 51.3	1.2			-	2.1	3.6	6.9	3.3
	Z	19.29 50.8	1.2			+	4.0	1.9		
	A	20.27 50.1	1.2			-	4.3	5.4		
25	H	20.27 49.3	1.0			-	6.0	8.2	5.8	3.3
	Z	20.27 49.8	1.1			+	0.6	0.8		
	A	20.30 10.3	1.0			+	22.4	17.8		
25	H	20.30 10.3	1.0			-	21.4	40.5	6.7	4.2
	Z	20.30 10.4	1.2			+	5.2	4.8		
	A	22.26 01.6	0.4			+	6.4	9.2		
25	H	22.26 02.3	1.1				2.0	1.8	2.5	3.1
	Z	22.26 02.0	0.8				1.0	1.4		
	A	23.21 52.1	0.6			+	21.5	14.6		
25	H	23.21 53.2	0.9				3.8	4.4	4.0	3.4
	Z	23.21 52.4	0.7			-	1.2	0.6		
	A	23.34 28.4	0.8			+	19.8	8.2		
25	H	23.34 28.8	0.9			+	3.4	5.4	5.4	3.8
	Z	23.34 29.0	1.1			-	1.6	1.0		
	A	00.19 04.2	1.0				1.2	1.6		
26	H	00.19 04.6	1.4				0.4	0.3	3.4	2.9
	Z	00.19 03.6	0.5				2.4	2.0		
	A	00.28 05.9	1.0				3.1	1.7		
26	H	00.28 05.6	1.0				1.4	2.0	6.5	3.1
	Z	00.28 05.5	1.1			+	0.8	0.6		
	A	00.33 20.5	0.9			-	15.7			
26	H	00.33 20.9	1.1				8.0	11.0	6.2	4.1
	Z	00.33 21.1	1.3				3.4	4.2		
	A	02.04 03.5	1.1			+	5.6	7.8		
26	H	02.04 03.2	1.0			+	3.4	4.4	5.9	3.9
	Z	02.04 03.4	1.0			+	5.2	5.1		

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.04 47.7	1.1			+	1.2	3.7		
26	H	02.04 47.3	1.0			+	2.6	2.6	6.6	3.1
	Z	02.04 47.5	1.1				0.6	0.6		
	A	04.49 45.0	1.0			+	8.4			
26	H	04.49 44.5	1.0			+	9.0	10.2	6.7	3.7
	Z	04.49 45.1	1.2			+	2.2	1.8		
	A	06.29 30.4	0.9			+	3.6	2.4		
26	H	06.29	1.4				2.0	1.4	3.2	3.1
	Z	06.29 29.7	0.5			+	2.8	2.0		
	A	09.49 37.8	0.9			+	9.6	9.2		
26	H	09.49	0.7			+	6.4	7.6	4.6	3.2
	Z	09.49 37.9	1.1				0.4	0.3		
	A	13.53 27.6	1.1			-	2.2			
26	H	13.53 26.8	0.7			+	3.1	5.0	5.1	2.8
	Z	13.53 27.7	1.2				0.4			
	A	14.59 49.1	1.0				1.6	1.8		
26	H	14.59 49.0	1.2			-	3.4	4.8	4.5	3.0
	Z	14.59 48.5	0.7				1.0	2.0		
	A	16.11 51.3	0.6			+	22.5	8.8		
26	H	16.11 51.6	1.0			+	3.3	4.6	4.5	3.2
	Z	16.11 51.9	0.9				0.4	0.4		
	A	16.25 13.7	0.9			-	15.0	11.0		
26	H	16.25 14.4	1.5				9.8	16.4	3.8	4.1
	Z	16.25 13.5	0.7			+	10.6	9.2		
	A	16.30 10.5	0.9			-	10.4	4.5		
26	H	16.30 11.2	1.3				5.7	9.5	5.2	3.9
	Z	16.30 10.3	0.7			+	5.0	8.6		
	A	16.55 46.7	0.7				1.6	1.0		
26	H	16.55 46.1	0.7				3.0	4.0	3.8	2.5
	Z	16.55 47.0	0.8				0.6	0.4		
	A	17.17 37.9	0.9			-	3.6	8.9		
26	H	17.17 38.4	1.4			-	1.0	1.0	3.8	3.5
	Z	17.17 37.3	0.6			+	3.0	2.0		
	A	18.09 49.6	0.7							
26	H	18.09 49.7	1.2			-	0.2		2.4	2.5
	Z	18.09 49.2	0.4				2.2	1.6		
	A	19.28 52.9	0.6							
26	H	19.28 53.0	1.0			-	0.4	0.5	2.5	2.5
	Z	19.28 52.7	0.4				2.0	0.5		
	A	19.30 18.6	0.9				0.8	0.8		
26	H	19.30 19.0	1.3				0.8	0.7	3.2	2.5
	Z	19.30 18.3	0.5				1.8	1.0		
	A	20.35 46.1	0.9				1.1	1.3		
26	H	20.35 46.1	1.1			-	0.6	0.4	2.5	3.3
	Z	20.35 45.5	0.4			+	3.4	4.0		
	A	21.26 02.8	0.9			+	3.4	8.5		
26	H	21.26 03.0	1.3			-	2.0	1.3	2.6	3.7
	Z	21.26 02.0	0.4			+	6.6	9.4		
	A	21.44 39.3	0.8			+	13.0	10.2		
26	H	21.44 39.6	1.1				1.8	2.3	5.9	3.5
	Z	21.44 39.8	1.0			+	1.0			
	A	23.16 41.7	0.9			+	3.0	3.2		
26	H	23.16 41.5	0.8			-	4.9	4.8	2.2	3.0
	Z	23.16 41.8	0.7			+	1.4	1.6		
	A	03.14 41.2	0.7				6.6	12.6		
27	H	03.14 40.9	0.7			+	7.9	12.2	3.9	3.7
	Z	03.14 41.2	0.9			-	3.6	2.6		
	A	03.24 57.3	1.1			+	2.4	7.8		
27	H	03.24 57.4	1.0			-	9.1	9.8	4.7	3.5
	Z	03.24 57.2	0.9				1.7	1.6		
	A	04.33 58.0	0.6			+	7.2	10.2		
27	H	04.33 58.1	0.9			-	3.5	5.0	4.3	3.5
	Z	04.33 58.4	0.9			-	1.2	2.6		
	A	05.22 00.4	0.8			+	9.2	13.2		
27	H	05.22 00.0	0.9				8.6	10.3	4.6	3.6
	Z	05.22 01.7	0.8				1.4	2.2		
	A	07.03 38.3	0.9			+	1.0	3.4		
27	H	07.03 38.1	0.8				5.3	4.4	3.2	3.0
	Z	07.03 38.5	0.7				0.6	1.2		
	A	07.52 13.6	1.0			+	2.4	7.8		
27	H	07.52 13.2	1.0				5.0	12.0	5.6	3.5
	Z	07.52 13.7	0.9			-	1.9	0.6		
	A	08.55 19.4	1.4				1.5	1.4		
27	H	08.55 20.1	1.4				0.8	0.9	7.9	3.3
	Z	08.55 19.2	1.2				2.3	0.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	16.02 45.1	0.9			+	5.0	3.7		
27	H	16.02 44.5	0.6			-	7.0	9.8	3.7	3.[illegible]
	Z	16.02 45.5	1.0				1.0	1.6		
	A	16.18 34.2	0.6			+	5.0	3.4		
27	H	16.18 34.9	1.1			-	2.0	1.2	3.2	3.[illegible]
	Z	16.18 34.2	0.5				2.2	1.0		
	A	16.50 06.3	1.0			+	2.8	2.1		
27	H	16.50 06.4	0.8			-	3.6	2.2	4.6	3.[illegible]
	Z	16.50 06.3	0.9			+	1.0	0.4		
	A	16.57 13.8	0.5			-	8.2	10.6		
27	H	16.57 14.1	0.7			+	3.4	3.0	2.9	2.[illegible]
	Z	16.57 14.6	1.0				0.2	0.4		
	A	17.16 19.9	0.6			+	1.8	1.6		
27	H	17.16 20.5	1.1			-		1.0	3.3	2.[illegible]
	Z	17.16 19.9	0.6				0.8	0.8		
	A	17.18 14.9	1.0				1.2	1.0		
27	H	17.18 15.0	1.1			-	0.9	1.6	4.5	3.[illegible]
	Z	17.18 14.6	0.7				3.8	1.7		
	A	17.59 04.7	0.9				1.8	3.4		
27	H	17.59 04.5	0.7				8.2	13.0	4.6	3.[illegible]
	Z	17.59 04.8	1.0				0.8	0.8		
	A	18.09 55.5	1.0			+	0.6	0.8		
27	H	18.09 54.9	0.9			-	1.5	1.2	3.9	2.[illegible]
	Z	18.09 55.2	0.8				0.9	0.8		
	A	20.17 55.5	1.0				10.4	15.0		
27	H	20.17 55.5	1.3			-	9.6	7.4	3.1	3.[illegible]
	Z	20.17 54.9	0.5			+	6.8	6.8		
	A	20.22 34.0	1.0			+	1.6	2.4		
27	H	20.22 34.5	1.4			-	0.8	1.0	4.2	3.[illegible]
	Z	20.22 33.5	0.6			+	3.4	3.1		
	A	20.36 40.4	1.0			+	2.4	3.2		
27	H	20.36 39.8	1.4			-	0.8	0.8	2.5	3.[illegible]
	Z	20.36 40.0	0.5				2.6	2.4		
	A	21.52	0.3				2.0	1.2		
27	H	21.52 12.1	1.4				0.8	0.8		2.[illegible]
	Z	21.52 11.1	0.7				2.2	2.1		
	A	22.03 53.2	1.0			+	14.4	13.0		
27	H	22.03 53.1	0.9			-	21.8	35.3	4.4	4.[illegible]
	Z	22.03 53.3	0.8				8.2	8.2		
	A	22.24 41.3	1.0			+	3.2	3.3		
27	H	22.24 40.5	1.5			-	1.6	2.0	4.3	3.[illegible]
	Z	22.24 39.9	0.7			+	3.8	3.2		
	A	22.30 02.0	0.7				5.8	10.2		
27	H	22.30 01.8	0.8			-	8.2	10.0	3.7	3.[illegible]
	Z	22.30 01.9	0.7			-	2.6	3.0		
	A	22.33 51.4	0.6			+	3.8	6.8		
27	H	22.33 51.1	0.6			-	6.4	8.2	2.6	3.[illegible]
	Z	22.33 51.7	0.7			-	1.0	1.5		
	A	23.10 05.3	0.9			+	4.2	2.6		
27	H	23.10 05.2	0.9			-	2.6	4.5	4.8	3.[illegible]
	Z	23.10 05.5	0.8				0.9	0.8		
	A	23.21 00.1	0.9				9.4	8.8		
27	H	23.21	0.7			-	10.4	8.8	4.3	3.[illegible]
	Z	23.20 59.9	1.0				1.7	1.0		
	A	00.05 13.8	0.7				0.4			
28	H	00.05 13.7	1.0			-	0.3	0.4	4.3	2.[illegible]
	Z	00.05 12.6	0.7			+	1.2	0.5		
	A	00.39 22.7	0.7			+	1.6	1.8		
28	H	00.39 22.2	0.7			+	4.2	6.6	4.1	2.[illegible]
	Z	00.39 22.6	1.0			-	0.6	0.6		
	A	00.40 24.9	0.7			+	2.4	6.2		
28	H	00.40 24.7	0.7			-	3.9	5.0	2.6	2.[illegible]
	Z	00.40 24.9	0.6				0.6	0.8		
	A	01.09 47.5	0.7			+	3.8	7.6		
28	H	01.09 46.6	1.0			+	4.4	6.6	5.3	3.[illegible]
	Z	01.09 48.8	0.9				0.6	1.0		
	A	01.10 08.1	0.8			+	4.6	4.0		
28	H	01.10 07.9	0.8			+	7.6	11.4	4.9	3.[illegible]
	Z	01.10 08.6	1.0				0.8	1.4		
	A	01.57 33.8	1.1			+	1.4	2.0		
28	H	01.57 33.5	1.0			-	3.8	2.5	4.4	3.[illegible]
	Z	01.57 33.8	0.8				1.4	1.6		
	A	02.11 52.4	0.7			+	3.6	8.6		
28	H	02.11 51.7	0.5				15.8	14.2	2.6	3.[illegible]
	Z	02.11 52.7	0.9			-	0.4	0.8		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.32 28.8	0.8			+	19.2	7.6		
28	H	02.32 28.6	0.8			-	22.5	26.5	4.8	4.3
	Z	02.32 29.3	0.9			-	10.0	12.2		
	A	03.10	0.7			+	0.6			
28	H	03.10 53.3	0.8			+	3.4	3.5	4.8	4.3
	Z	03.10 54.8	1.2				1.2	1.0		
	A	08.25 35.0	0.5			+	0.8	0.8		
28	H	08.25 35.4	1.0				1.2	1.3	2.3	2.5
	Z	08.25 34.6	0.4				4.0	3.4		
	A	08.53 23.6	0.5			+	50.5	24.8		
28	H	08.53 24.3	0.9				2.2	2.5	3.6	3.5
	Z	08.53 24.0	0.9				0.5	0.6		
	A	09.03 03.4	1.6			-	4.0	2.8		
28	H	09.03 03.1	1.5			-	3.8	5.7	7.1	4.0
	Z	09.03 02.8	1.3				6.8	4.0		
	A	09.31 48.5	0.8			+	7.0	4.6		
28	H	09.31 47.2	0.8				9.5	12.0	4.5	3.5
	Z	09.31 48.8	0.9			+	1.5	2.4		
	A	12.28 18.9	1.4			-	23.2	17.3		
28	H	12.28 17.4	1.0				37.0	28.5	6.8	4.2
	Z	12.28 19.2	1.4			-	1.8	2.2		
	A	12.45 06.8	0.9			+	18.6	19.8		
28	H	12.45 07.1	0.9				6.0	4.0	5.3	3.6
	Z	12.45 07.1	1.0			-	1.0	0.7		
	A	14.21 22.7	0.9			+	35.2	38.3		
28	H	14.21 22.9	1.1				19.7	17.0	3.2	4.7
	Z	14.21 22.0	0.5			+	34.0	29.5		
	A	14.25 11.8	1.1					0.6		
28	H	14.25 11.0	1.5				0.6	0.4	4.8	2.6
	Z	14.25 11.0	0.7				1.0	1.4		
	A	14.25 57.4	1.2				0.4	1.0		
28	H	14.25 57.4	1.1				0.5	0.5		2.9
	Z	14.25 56.6	0.6				3.0	1.4		
	A	14.26 46.5	0.9			+	2.0	3.0		
28	H	14.26 46.8	1.1				1.7	1.6	1.4	3.3
	Z	14.26 45.9	0.4				6.4	5.0		
	A	14.27 11.7	0.8				0.8	0.4		
28	H	14.27 12.2	1.0				0.6	0.6		2.5
	Z	14.27 11.3	0.3				4.1	2.9		
	A	14.29 26.1	0.8				0.6	0.3		
28	H	14.29 26.1	1.0				0.4	0.5	2.2	2.7
	Z	14.29 25.8	0.4				4.7	4.2		
	A	14.29 58.0	0.9				1.0	1.8		
28	H	14.29 57.9	1.1				0.6	0.6		2.9
	Z	14.29 57.4	0.5				2.8	0.7		
	A	14.55 29.7	0.7			+	0.6	1.2		
28	H	14.55 29.7	0.9				0.8	1.0	0.9	2.8
	Z	14.55 29.1	0.3			-	4.0	6.4		
	A	14.59 01.3	0.8			+	6.0	7.0		
28	H	14.59 01.2	1.2				2.6	3.3	2.4	3.2
	Z	14.59 01.0	0.4			-	3.5	3.3		
	A	14.59 13.1	0.7				2.2	2.0		
28	H	14.59 13.3	1.1				1.8	3.0	2.2	2.8
	Z	14.59 12.7	0.3				3.4	4.0		
	A	15.13 19.4	1.1				0.4	0.7		
28	H	15.13 19.8	1.3				0.5	0.8	3.7	2.6
	Z	15.13 18.8	0.6				0.6	1.2		
	A	15.22 52.0	1.1			+	1.4	1.5		
28	H	15.22 51.9	1.2				1.4	1.6	3.3	3.0
	Z	15.22 51.4	0.7			+	2.8	2.2		
	A	15.42 35.9	1.2			+	1.2	2.6		
28	H	15.42 35.8	1.4				1.2	1.2	1.5	3.3
	Z	15.42 34.9	0.6			+	3.4	2.4		
	A	16.05 10.6	0.8				1.3	1.0		
28	H	16.05 10.9	1.1				0.4	0.3	1.8	2.4
	Z	16.05 09.9	0.3				1.6	1.4		
	A	16.59 17.1	1.1				18.2	6.4		
28	H	16.59 16.5	0.7				9.7	12.6	3.9	3.9
	Z	16.59 17.7	1.1					2.0		
	A	17.02 05.4	0.7			+	2.2	2.5		
28	H	17.02 05.9	1.1				1.8	2.5	1.7	2.8
	Z	17.02 05.1	0.3			-	4.2	4.0		
	A	18.55 50.4	0.7			-	1.6	3.6		
28	H	18.55 51.1	1.0				0.4	0.3	2.5	3.1
	Z	18.55 49.5	0.4				5.0	4.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	19.43 43.0	1.2			-	0.8	1.0		
28	H	19.43 43.3	1.4				0.6	0.6	1.8	3.0
	Z	19.43 42.4	0.6			-	2.9	1.0		
	A	22.33 49.3	0.4			+	8.4	6.8		
28	H	22.33 49.4	1.2			-	6.0	8.2	1.2	3.7
	Z	22.33 48.7	0.6			+	12.0	16.6		
	A	22.40 09.5	1.1				0.4	0.3		
28	H	22.40 09.7	1.2				0.4	0.4	2.5	2.7
	Z	22.40 08.8	0.6				0.8	3.2		
	A	00.03 45.0	0.8			+	8.4	5.2		
29	H	00.03 44.9	0.7			+	7.0	8.6	4.7	3.3
	Z	00.03 45.7	1.1				0.6	1.0		
	A	01.24 25.2	0.7			+	10.6	7.8		
29	H	01.24 25.3	0.9			-	4.1	3.4	4.6	3.1
	Z	01.24 25.7	0.9			-	0.6	0.7		
	A	02.17 09.5	0.9				1.2	0.8		
29	H	02.17 10.1	1.3				0.4	0.4	1.4	2.5
	Z	02.17 09.3	0.3			-	2.2	1.9		
	A	04.39 19.4	1.0				3.0	2.4		
29	H	04.39 19.1	1.3			-	4.3	5.2	5.9	3.4
	Z	04.39 18.7	0.8				4.3	3.3		
	A	06.01 00.0	0.7			-	12.6	6.6		
29	H	06.00 59.9	0.9			+	5.9	6.3	4.9	3.6
	Z	06.01 00.3	1.0			-	1.2	2.5		
	A	09.09 54.1	0.8			+	5.0	4.0		
29	H	09.09 54.5	1.0			-	1.0	1.6	2.2	3.3
	Z	09.09 53.8	0.4			+	3.0	5.6		
	A	10.38 06.8	1.0			+	3.0	2.8		
29	H	10.38 06.6	0.9			-	4.6	5.2	3.7	3.3
	Z	10.38 06.9	0.8				2.4	1.0		
	A	11.39 59.9	1.0			+	7.8	5.8		
29	H	11.39 59.3	1.0			-	8.2	14.0	5.5	3.5
	Z	11.39 59.7	0.9				2.0	1.8		
	A	12.47 51.6	1.1			-	4.0	5.2		
29	H	12.47 52.4	1.5			-	4.0	4.0	1.6	3.5
	Z	12.47 51.2	0.5			-	4.6	6.4		
	A	12.49 17.0	0.9			+	4.4	5.6		
29	H	12.49 17.7	1.3				1.3	2.9	6.3	3.4
	Z	12.49 17.2	0.9			+	2.4	2.0		
	A	14.06 19.1	1.0				1.0	0.4		
29	H	14.06 19.3	1.3			-	0.8	0.8	2.2	2.4
	Z	14.06 18.4	0.4				1.0	1.0		
	A	14.39 43.2	0.8				4.2	3.2		
29	H	14.39 43.4	1.2			-	1.0	0.6	1.8	3.1
	Z	14.39 42.7	0.3			+	3.4	3.8		
	A	15.25 55.6	1.0			+	9.0	9.4		
29	H	15.25 55.1	0.6			+	4.2	2.8	4.2	3.4
	Z	15.25 55.9	1.1				0.6	0.8		
	A	16.28 36.1	0.9				22.4	13.4		
29	H	16.28 35.5	1.0			+	10.2	22.0	5.9	4.0
	Z	16.28 36.8	1.0			-	2.4	3.6		
	A	16.31 04.4	0.6			+	20.8	6.4		
29	H	16.31 04.7	0.9			+	5.8	8.0	4.1	3.9
	Z	16.31 05.0	1.0			-	2.4	3.4		
	A	17.58 28.0	1.0			+	20.6	17.2		
29	H	17.58 28.0	0.6			+	13.4	17.8	3.6	4.0
	Z	17.58 28.5	1.0			-	3.0	2.7		
	A	19.26 02.5	0.9				4.0	5.4		
29	H	19.26 02.4	1.1				5.3	8.6	4.8	3.2
	Z	19.26 02.4	0.7				0.6	1.4		
	A	21.04 37.5	1.1			+	10.0	2.8		
29	H	21.04 37.0	1.0			-	8.4	8.6	6.3	3.7
	Z	21.04 37.7	1.1				3.4	3.0		
	A	23.11 17.1	1.1					1.3		
29	H	23.11 17.7	1.2				0.6			2.3
	Z	23.11 16.8	0.5			-	3.0	2.2		
	A	23.21 23.4	0.8			+	5.0	7.2		
29	H	23.21 22.8	0.8			-	6.8	12.2	2.8	3.2
	Z	23.21 23.6	0.6				1.2	1.5		
	A	23.36 11.5	0.9					0.8		
29	H	23.36 11.0	1.0			-	1.2	1.4	4.0	2.7
	Z	23.36 11.3	0.6				2.2	0.8		
	A	00.35 34.7	0.7			+	1.0	1.2		
30	H	00.35 34.1	0.7			-	2.8	3.2	2.4	2.7
	Z	00.35 34.7	0.6				2.2	0.6		

May. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.51 38.3	0.9				2.4	1.2		
30	H	00.51 37.8	1.1			-	3.0	3.4	6.0	2.9
	Z	00.51 37.7	0.9				1.0	0.4		
	A	00.56 00.3	0.9			+	1.4	2.0		
30	H	00.56 00.3	0.8			-	4.2	5.2	4.5	3.1
	Z	00.56 00.5	0.9				2.1	0.8		
	A	01.12 46.2	1.0				1.2	1.2		
30	H	01.12 46.4	1.3				0.6	0.4	4.3	2.9
	Z	01.12 45.6	0.6			+	2.4	1.4		
	A	01.13 13.9	0.7				0.5	0.5		
30	H	01.13 13.8	0.9				0.8	1.4	2.4	2.1
	Z	01.13 13.7	0.4				1.2	2.0		
	A	01.55					0.6	0.7		
30	H	01.55 51.4				+	7.4	10.4	5.0	2.6
	Z	01.55 51.4					1.2	1.3		
	A	01.59 33.1	0.8			+	12.6	22.0		
30	H	01.59 32.8	0.7			-	17.8	27.6	4.4	4.1
	Z	01.59 33.3	1.0				5.6	4.4		
	A	02.08 50.3	0.7					0.2		
30	H	02.08 49.9	0.7				0.5	0.5		2.0
	Z	02.08					2.8	1.0		
	A	03.11 16.1	0.6					6.8		
30	H	03.11 16.4	1.1			-	2.6	3.2	3.7	3.4
	Z	03.11 15.9	0.6				3.4	4.0		
	A	03.20 59.9				+	5.0	5.8		
30	H	03.21 00.4				+	3.4	5.0	5.9	3.7
	Z	03.20 59.8				+	6.2	5.3		
	A	07.08 20.6	1.0				2.2	4.0		
30	H	07.08 19.9	0.8			-	4.0	6.4	3.0	2.8
	Z	07.08 20.7	0.8				0.4			
	A	07.23 42.5	1.0				0.4	1.2		
30	H	07.23 41.8	1.0			+	1.8	2.2	6.4	3.0
	Z	07.23 39.3	1.4				2.3	1.4		
	A	10.09 08.9	0.9			+	5.0	5.4		
30	H	10.09 09.0	0.8				2.8	5.8	4.8	3.1
	Z	10.09 09.0	0.9				0.7	0.5		
	A	10.52 57.2	1.1			+	2.3	1.8		
30	H	10.52 56.7	1.0			-	2.0	2.0	2.8	3.2
	Z	10.52 56.8	0.8				2.2	1.4		
	A	11.06 35.1	1.0				2.4	0.8		
30	H	11.06 35.0	1.2			-	0.6	1.2	3.7	3.3
	Z	11.06 34.0	0.6				4.0	5.8		
	A	11.25 50.3	1.0				0.4	1.2		
30	H	11.25 49.8	1.0				1.1	1.2		2.4
	Z	11.25				-	0.6	0.8		
	A	13.27 50.0	1.4				13.0	12.3		
30	H	13.27 50.3	1.9				19.5	29.0	7.7	4.4
	Z	13.27 49.5	1.2				5.4	9.6		
	A	14.16 13.0	0.9			-	2.0	1.6		
30	H	14.16 12.2	0.6			-	5.8	7.6	3.8	3.0
	Z	14.16 12.9	1.0				1.3	1.4		
	A	16.02 11.1	1.1				1.6	5.0		
30	H	16.02 11.3	1.4				1.2	1.4		3.2
	Z	16.02				-	2.2	1.6		
	A	16.02 23.5	1.1				2.1	1.3		
30	H	16.02 23.7	1.5				0.6	0.7	2.1	2.9
	Z	16.02 22.6	0.5			-	1.4	1.5		
	A	17.03 04.1	0.7			-	16.2	15.5		
30	H	17.03 04.0	0.6			-	12.2	11.8	3.6	3.4
	Z	17.03 04.5	1.0				0.8	1.0		
	A	17.32 06.3	1.1				0.4	0.5		
30	H	17.32 05.8	1.1			+	1.2	1.8	4.7	2.5
	Z	17.32 05.5	0.8				0.9	1.0		
	A	18.45 30.3	0.8			+	9.2	8.2		
30	H	18.45 29.5	0.6			+	4.2	6.0	3.7	3.2
	Z	18.45 30.4	1.1				0.4	0.6		
	A	18.51 07.7	0.9			+	4.2	8.3		
30	H	18.51 07.2	1.0			-	9.0	11.3	5.2	3.6
	Z	18.51 07.4	0.8				1.5	3.0		
	A	19.43 53.9	0.6			+	11.4	10.0		
30	H	19.43 53.7	0.9			-	2.4	3.8	3.9	3.6
	Z	19.43 53.4	0.7			-	4.2	3.0		
	A	19.54 03.0	1.0				2.2	1.0		
30	H	19.54 02.7	1.3				3.2	6.4	3.1	2.7
	Z	19.54 02.9	0.5					1.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	19.58 26.3	0.5				7.4	4.2		
30	H	19.58 25.6	1.1			+	6.4	9.0	3.1	3
	Z	19.58 26.1	0.6			-	3.2	5.0		
	A	22.52 31.7	0.7				0.6	0.8		
30	H	22.52 31.5	0.8			+	1.8	2.0		2
	Z	22.52 30.8				+	1.2	1.0		
	A	00.46 23.5	1.0				6.0	12.8		
31	H	00.46 22.6	1.0				10.6	11.6	6.2	3
	Z	00.46 23.1	1.0				2.0	3.2		
	A	03.08 01.7	0.6			-	7.8	11.0		
31	H	03.08 01.9	0.9				5.0	8.2	4.0	3
	Z	03.08 01.9	0.7			-	1.3	2.2		
	A	08.12 25.2					2.6	3.7		
31	H	08.12 25.0					0.8	1.0	1.6	2
	Z	08.12 24.1				-	2.5	1.8		
	A	09.36 08.8	0.7				2.1	4.5		
31	H	09.36 08.5	0.7				7.0		3.5	3
	Z	09.36 08.8	0.7			-	1.2	1.2		
	A	11.07 19.4	0.9				0.4	0.2		
31	H	11.07 19.4	0.9				0.4	0.4	1.9	2
	Z	11.07 18.4	0.5				0.5	1.0		
	A	11.29 58.6	0.6				1.0	0.6		
31	H	11.29 58.6	0.9				0.6	1.0	1.6	2
	Z	11.29 57.9	0.4				3.0	2.0		
	A	11.42 35.4	0.9				0.2	0.3		
31	H	11.42 35.9	1.4			-	0.2	0.2	3.3	2
	Z	11.42 34.9	0.5				2.2	1.0		
	A	15.12 40.6	1.0				3.6	1.8		
31	H	15.12 40.3	1.0			-	5.8	5.4	5.0	3
	Z	15.12 40.4	0.9				3.3	2.4		
	A	15.35 29.7	1.0				6.7	7.6		
31	H	15.35 29.5	1.0				7.6	9.8	6.0	3
	Z	15.35 29.5	1.0			+	6.8	4.0		
	A	15.53 36.7	0.9				0.6	1.0		
31	H	15.53 36.4	0.9				1.2	1.0	2.1	2
	Z	15.53 36.1	0.6			-	1.6	1.0		
	A	16.33 10.8	0.7				6.0	6.7		
31	H	16.33 11.2	0.8				1.5	1.3	4.1	3
	Z	16.33 11.0	1.1			-	0.4	0.4		
	A	16.46 56.9					0.9	0.7		
31	H	16.46 54.6	1.2				2.2	3.8	6.8	3
	Z	16.46 56.4	1.0			+	2.6	1.8		
	A	17.18 29.5	1.0				1.5	1.4		
31	H	17.18 29.7	1.4				0.8	0.8	4.2	3
	Z	17.18 28.7	0.6			+	1.8	3.6		
	A	17.36 13.9	0.9				0.2	0.4		
31	H	17.36 12.9	1.2				0.9	0.8	3.9	2
	Z	17.36 13.3	0.6				1.0	1.5		
	A	17.51 37.2					0.5	1.0		
31	H	17.51 37.6					0.2	0.2		2
	Z	17.51 36.3					1.3	1.6		
	A	17.59 40.7					0.4	0.3		
31	H	17.59 40.6					0.4	0.6	0	2
	Z	17.59 39.5					0.5	1.5		
	A	20.02 35.6	0.9				1.7	1.6		
31	H	20.02 35.0	0.5				6.1	7.1	2.5	2
	Z	20.02 35.7	0.9				2.0	0.7		
	A	20.46 03.5					0.6	0.7		
31	H	20.46 03.7					0.2	0.2		2
	Z	20.46 02.9					0.8	2.5		
	A	20.49 49.9	0.8				3.3	6.2		
31	H	20.49 49.6	0.8			+	6.2	8.2	3.8	3
	Z	20.49 49.9	0.8			-	3.3	2.4		
	A	21.16 21.4	0.8				5.0	6.2		
31	H	21.16 20.7	0.7				8.5	5.8	4.4	3
	Z	21.16 21.4	1.0				1.0	0.5		
	A	21.21 27.5	1.0				1.3	1.2		
31	H	21.21 26.8	0.8			+	4.6	5.9	4.2	2
	Z	21.21 27.3	0.9				0.4	0.5		
	A	21.27 13.5	1.0				6.0	7.4		
31	H	21.27 12.9	0.8				6.2	6.0	3.9	3
	Z	21.27 13.9	0.9				0.8	1.1		
	A	22.23 54.2	0.9				1.0	1.0		
31	H	22.23 54.3	0.9				1.8	1.5	2.8	2
	Z	22.23 53.9	0.6			+	0.9	1.8		

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1966 June

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
01	A	00.12 59.4	0.9				5.6	4.7		
	H	00.12 58.5	0.7				4.8	3.8	3.4	3.1
	Z	00.12 59.4	0.9				0.6	0.4		
01	A	01.03 29.2	1.0				3.8	5.6		
	H	01.03 28.8	0.8			-	8.2	10.7	4.2	3.3
	Z	01.03 29.2	0.9				1.3	0.6		
01	A	02.53 50.4	1.3			+	6.8	20.0		
	H	02.53 49.9	1.0				11.0	14.6	4.8	4.0
	Z	02.53	1.1			+	1.0	1.9		
01	A	04.46 51.1	0.9				5.0	6.6		
	H	04.46 50.9	0.8			-	5.9	6.6	5.2	3.3
	Z	04.46 51.5	1.0				1.0	1.3		
01	A	04.56 12.0	1.0				0.4	0.4		
	H	04.56 12.1	0.7				0.3	0.4		2.4
	Z	04.56 11.2					1.5	1.0		
01	A	06.18 04.8	0.9			+	2.0	1.2		
	H	06.18 05.2	1.1				1.0	0.8	3.6	2.8
	Z	06.18 04.5	0.6				0.8	1.4		
01	A	07.01 32.2	1.0				4.0	4.0		
	H	07.01 31.7	0.8				4.8	6.3	3.4	3.1
	Z	07.01 32.5	0.9				0.6	0.9		
01	A	07.44 23.7	0.7				0.2	0.5		
	H	07.44 23.5	1.0				0.2	0.2	2.3	2.0
	Z	07.44 23.1	0.4			-	1.2	1.0		
01	A	12.14 39.7	1.1				1.1	1.0		
	H	12.14 39.5	1.1			-	3.9	3.4	4.4	2.8
	Z	12.14 39.5	0.8				1.2	0.8		
01	A	12.18 22.9	1.0				1.2	1.6		
	H	12.18 23.0	1.0				2.2	3.2	4.8	2.9
	Z	12.18 23.1	0.8				1.2	0.8		
01	A	12.22 49.0	0.7				0.8	3.6		
	H	12.22 49.3	1.0			-	1.2	1.4	1.5	3.2
	Z	12.22 48.3	0.3			-	7.2	5.8		
01	A	12.47 03.7	0.8				2.1	7.2		
	H	12.47 04.0	1.0			-	1.0	1.1	2.5	2.9
	Z	12.47 03.0	0.4			+	0.8	1.0		
01	A	14.33 51.9	0.5				4.9	8.7		
	H	14.33 52.8	1.1				2.6	4.4	3.4	3.2
	Z	14.33 52.2	0.7				2.3	2.1		
01	A	16.49 54.5	0.7				0.8	0.6		
	H	16.49 55.9	0.9				0.3	0.4	2.5	2.3
	Z	16.49 54.7	0.5				1.2	0.9		
01	A	18.31 21.9	0.8				6.5	14.6		
	H	18.31 21.6	0.9			-	16.8	23.2	5.4	3.7
	Z	18.31 22.3	1.0				2.2	1.8		
01	A	19.49 57.5	1.3				0.6	0.7		
	H	19.49 57.3	1.9			+	2.1	2.6	2.3	2.3
	Z	19.49 57.3	0.8				0.5			
01	A	20.01 11.5	1.3				7.7	11.4		
	H	20.01 12.2	1.9			+	7.8	12.2	6.3	4.3
	Z	20.01 10.7	1.2				4.2	7.7		
01	A	20.03 24.0	0.5			+	0.7	0.5		
	H	20.03 24.6	1.7				0.5	0.2		2.0
	Z	20.03 23.8				-	1.2	1.6		
01	A	20.39 06.6	1.0				2.9	5.8		
	H	20.39 05.9	1.0				12.4	22.0	6.2	3.3
	Z	20.39 06.6	1.0				1.2	0.8		
01	A	21.30 02.9	1.0				2.4	6.9		
	H	21.30 02.5	0.9			-	7.6	11.4	3.8	3.5
	Z	21.30 02.8	0.8			-	1.0	2.3		
01	A	22.02 32.3	1.0				4.6	11.0		
	H	22.02 32.0	0.9			-	5.6	8.0	5.9	3.7
	Z	22.02 32.2	1.0				1.9	1.6		
02	A	00.11 16.0	1.0				4.1	4.6		
	H	00.11 16.4	1.3			+	1.6	2.0	5.1	3.4
	Z	00.11 15.6	0.7				1.8	2.8		
02	A	01.09 12.4	1.5				1.6	1.7		
	H	01.09 12.8	2.0			+	1.3	1.3	8.5	3.0
	Z	01.09 12.1	1.3				0.6	0.4		
02	A	04.07 29.5	0.8				2.5	1.0		
	H	04.07 29.7	1.1			-	4.6	7.0	5.1	3.2
	Z	04.07 28.9	0.8				3.1	2.2		
02	A	05.13 06.9	0.7			+	16.8	15.1		
	H	05.13 07.4	0.9			-	5.6	6.0	4.5	3.3
	Z	05.13 07.4	0.9			-	0.6	0.6		
02	A	05.14 56.7	0.9				0.8	0.7		
	H	05.14 57.4	0.9				0.4	0.4	2.5	2.6
	Z	05.14 56.3	0.5				2.2	0.8		
02	A	06.30 05.9	0.7				0.6	1.1		
	H	06.30 06.4	0.9				0.6	0.6	2.6	2.6
	Z	06.30 05.5	0.5			-	2.4	1.0		
02	A	07.43 02.3	1.1				8.4	10.0		
	H	07.43 01.9	1.0				11.8	8.0	6.3	4.0
	Z	07.43 02.2	1.1				3.7	6.2		
02	A	07.59 59.2	0.6				22.0	41.1		
	H	08.00 00.1	1.3			+	9.6	12.4	3.4	4.2
	Z	07.59 59.3	0.8			+	7.4	4.7		
02	A	08.18 32.5	1.0				0.4	0.6		
	H	08.18 32.5	1.0				1.0	1.8	2.3	2.6
	Z	08.18 32.5	0.6				2.0	0.8		
02	A	08.26 44.5	1.1				4.1	5.9		
	H	08.26 43.9	0.8			+	4.5	3.5	5.8	3.2
	Z	08.26 44.7	1.2				0.6	0.3		
02	A	08.59 36.3	0.7				23.9	52.6		
	H	08.59 36.1	0.7				36.3	23.2	3.7	4.2
	Z	08.59 36.6	0.9			-	4.6	5.2		
02	A	09.27 30.1	0.7				7.8	13.4		
	H	09.27 30.0	0.7			-	4.3	5.8	3.7	3.4
	Z	09.27 30.2	0.8				1.0	1.2		
02	A	10.46 23.0	1.0				5.0	6.4		
	H	10.46 22.3	0.9			+	5.0	3.4	5.8	3.6
	Z	10.46 23.5	1.1				2.6	1.0		
02	A	12.16 28.8	1.1				2.8	7.2		
	H	12.16 27.9	1.0			+	5.7	6.9	6.9	3.4
	Z	12.16 29.0	1.2			+	1.0	0.8		
02	A	13.17 59.3	1.0			+	7.2	14.8		
	H	13.17 58.7	0.8			-	15.8	12.3	4.7	4.1
	Z	13.17 59.3	1.0			-	7.8	5.2		
02	A	13.19 32.0	0.5			+	10.3	27.4		
	H	13.19 32.9	1.0			+	2.4	2.3	3.6	3.0
	Z	13.19 31.9	0.7			-	1.8	1.0		
02	A	14.30 17.7	0.8			+	1.6	3.6		
	H	14.30 17.3	0.8				4.6	4.3	4.1	2.6
	Z	14.30 17.9	0.8				0.7	0.6		
02	A	15.48 35.1	1.0				2.4	4.1		
	H	15.48 34.8	0.8			-	2.9	2.7	4.9	3.4
	Z	15.48 35.1	0.9				2.6	1.0		
02	A	18.02	0.8				2.4	1.7		
	H	18.02 43.3	0.9				0.4	0.5	1.9	2.9
	Z	18.02 42.5	0.5				2.4	2.4		
02	A	18.02	0.8				1.8	1.2		
	H	18.02 58.0	1.0				1.4	3.8	4.8	2.8
	Z	18.02 57.1	0.8				1.2	1.6		
02	A	20.58 26.2	1.1				1.0	1.0		
	H	20.58 25.6	0.7				4.4	3.7	3.9	2.7
	Z	20.58 26.3	1.0				0.6	0.4		
02	A	21.20 54.7	0.9				0.8	1.1		
	H	21.20 55.1	1.4			-	0.6	0.6	4.4	2.9
	Z	21.20 54.1	0.6			-	2.0	2.7		
02	A	21.32 12.4	0.7							
	H	21.32 12.7	0.9				0.4	0.4	1.9	2.2
	Z	21.32 12.1	0.4			-	1.4	1.2		
02	A	21.38 48.8	1.0							
	H	21.38 48.8	1.0			+	3.3	2.4	5.2	3.1
	Z	21.38 48.6	0.9				2.4	1.4		
02	A	21.49 31.6	0.8							
	H	21.49 32.0	1.0				1.4	2.0	2.9	3.1
	Z	21.49 31.4	0.5				2.6	4.3		
02	A	22.16 56.3	0.6				20.2	16.4		
	H	22.16 56.7	0.9				5.4	6.8	4.1	3.4
	Z	22.16 56.9	0.9				0.7	1.0		
03	A	00.29 54.3	0.6			-	1.8	1.2		
	H	00.29 55.2	1.0				0.7	0.9	2.2	2.6
	Z	00.29 54.3	0.4				2.4	1.4		
03	A	01.17 37.9	0.6			+		44.2		
	H	01.17 36.2	0.7				3.1	3.1	3.4	4.1
	Z	01.17 38.3	0.9			-	5.0	3.8		

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	01.32 24.0	0.4				3.4	4.6		
03	H	01.32 24.5	1.0				2.2	3.8	2.4	3.0
	Z	01.32 24.1	0.6				2.1	2.7		
	A	01.46 51.1	0.5				0.2	0.3		
03	H	01.46 51.0	0.8				0.4	0.2	0.4	1.9
	Z	01.46 50.5	0.4				2.2	1.0		
	A	01.47 52.3	0.9			+	2.1	5.4		
03	H	01.47 52.5	0.8			-	5.4	7.2	4.4	3.4
	Z	01.47 52.5	0.9			-	2.2	1.6		
	A	01.51 28.2	0.9				1.2	1.1		
03	H	01.51 28.6	1.2				0.2	0.2	3.4	2.8
	Z	01.51 27.7	0.5				2.2	2.6		
	A	02.19 26.0	0.8				3.0	6.7		
03	H	02.19 26.3	1.0			+	2.1	1.8	3.2	3.4
	Z	02.19 25.4	0.5			-		4.0		
	A	02.50 21.1	0.9				11.1	9.3		
03	H	02.50 20.2	0.6				10.8	8.9	4.4	3.4
	Z	02.50 21.4	1.2				0.6	0.6		
	A	02.55 55.8	0.6				7.8	8.7		
03	H	02.55 56.8	1.3				2.0	3.0	3.5	3.0
	Z	02.55 55.9	0.8				0.6	0.7		
	A	03.26 27.2	0.6			+	5.8	7.2		
03	H	03.26 26.7	1.0				11.0	8.2	4.3	3.0
	Z	03.26 27.0	1.0				4.4	3.0		
	A	03.26 37.9	1.0			+	3.7	7.4		
03	H	03.26 37.5	0.9			-	11.8	8.6	5.5	3.8
	Z	03.26 37.7	1.0			+	4.3	5.2		
	A	04.10 31.4	1.0			+	3.2	6.0		
03	H	04.10 31.0	1.0			-	4.6	6.6	6.1	3.6
	Z	04.10 30.9	1.0				2.9	1.4		
	A	05.03 47.4	0.9			+	7.7	11.1		
03	H	05.03 47.6	0.9				5.4	8.1	4.3	3.9
	Z	05.03 47.4	0.8			-	6.4	4.9		
	A	06.17 33.5	0.5			+	50.1	12.0		
03	H	06.17 34.1	1.0			+	4.2	4.0	3.7	4.2
	Z	06.17 34.0	0.8			-	5.0	7.3		
	A	06.17 52.7	0.5				7.8	11.6		
03	H	06.17 53.3	1.0			+	1.4	2.8	3.7	3.1
	Z	06.17 53.0	0.9				1.0	0.5		
	A	06.18 04.7	0.6			+	9.5	7.8		
03	H	06.18 05.3	1.0				1.0	1.4	3.9	3.2
	Z	06.18 05.1	0.9				1.0	0.7		
	A	07.29 55.6	1.0							
03	H	07.29 55.4	1.2			+	5.4	6.0	6.9	2.5
	Z	07.29 56.1	1.0				0.6	0.6		
	A	08.04 39.2	0.7				2.9	5.4		
03	H	08.04 40.5	1.2				0.8	1.5	4.6	3.2
	Z	08.04 38.7	0.8				1.8	1.4		
	A	08.13 26.8	0.8			-	2.0	8.1		
03	H	08.13 27.7	1.4				1.4	1.4	4.0	3.3
	Z	08.13 26.2	0.6				1.2	1.8		
	A	10.13 11.8	0.5			-	5.8	8.0		
03	H	10.13 12.5	1.0			+	4.6	7.5	3.3	3.2
	Z	10.13 11.8	0.6				1.1	2.1		
	A	12.48 23.0	0.9				0.6	0.7		
03	H	12.48 23.0	1.3			-	0.7	0.9	4.1	2.9
	Z	12.48 22.1	0.6				2.9	4.3		
	A	12.48 39.0	1.0				1.8	2.9		
03	H	12.48 39.2	1.2			-	1.8	2.2	2.3	3.5
	Z	12.48 38.3	0.6				4.1	9.5		
	A	12.57 25.3	0.7				1.8	5.2		
03	H	12.57 25.0	0.7				0.9	2.8	4.2	3.0
	Z	12.57 24.8	1.0				0.6	0.2		
	A	13.40 59.8	0.9				0.3	0.6		
03	H	13.41 00.4	1.0				0.5	0.6	2.3	2.3
	Z	13.40 59.1	0.5				0.5	1.2		
	A	14.13 04.7	0.9				0.7	1.4		
03	H	14.13 04.0	0.8				1.2	2.0	4.3	3.0
	Z	14.13 04.1	0.9				2.4	0.8		
	A	14.16 43.9	0.5				0.6	0.9		
03	H	14.16 43.6	1.0				1.1	1.3	3.7	2.3
	Z	14.16 42.9	0.8				0.6	0.7		
	A	15.56 11.8	0.7				3.7	6.3		
03	H	15.56 12.6	1.1				1.2	2.2	3.5	3.4
	Z	15.56 11.4	0.5			+	4.1	3.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	16.01 20.6	0.7				1.3	2.6		
03	H	16.01 21.4	1.1				0.4	0.6	2.9	
	Z	16.01 20.1	0.4				2.6	2.6		
	A	16.15 52.1	0.8				1.0	1.1		
03	H	16.15 52.8	1.3				0.6	0.5	3.5	
	Z	16.15 51.3	0.5				1.1	1.3		
	A	16.47 15.7	1.0				1.7	1.8		
03	H	16.47 15.5	1.0			-	3.3	4.0	5.7	
	Z	16.47 15.4	0.9				1.5	0.8		
	A	17.09 41.5	0.9				8.8	9.6		
03	H	17.09 41.0	1.0			+	10.9	18.6	5.9	
	Z	17.09 41.4	1.0				4.8	5.1		
	A	21.52 38.7	0.9				1.6	1.1		
03	H	21.52 38.2	0.7				2.8	2.1	3.9	
	Z	21.52 38.4	0.9				0.7	0.5		
	A	22.38 39.1	0.8				2.9	6.8		
03	H	22.38 39.7	1.2				0.9	1.3	3.6	
	Z	22.38 38.3	0.5			+	3.8	4.2		
	A	23.53 46.9	1.2				1.4	1.4		
03	H	23.53 47.8	1.9				1.8	1.8	2.6	
	Z	23.53 46.3	1.0			+	3.7	2.4		
	A	00.33 21.0	0.8				5.1	7.4		
04	H	00.33 21.7	0.7				8.5	5.4	4.0	
	Z	00.33 20.8	0.9				1.2	0.8		
	A	00.43 54.9	0.6				5.7	2.5		
04	H	00.43 56.0	1.3				1.4	1.8	3.3	
	Z	00.43 54.8	0.8			+	0.7	0.5		
	A	01.53 47.2	0.6			+	3.8	2.2		
04	H	01.53 47.1	0.7				2.4	5.3	3.4	
	Z	01.53 46.9	0.8			-	0.5	0.4		
	A	03.00 41.6	0.9				1.8	4.4		
04	H	03.00 41.8	1.3				2.4	4.3	5.1	
	Z	03.00 40.9	0.7				1.2	1.2		
	A	03.13 00.7	0.9				1.0	1.6		
04	H	03.13 00.8	1.0				1.4	2.6	5.0	
	Z	03.13 00.0	0.8				3.6	1.8		
	A	03.32 17.1	0.7			+	23.9	19.7		
04	H	03.32 18.0	1.2				3.6	2.8	4.5	
	Z	03.32 17.4	0.8				4.2	2.4		
	A	05.35 50.9	0.7				3.4	6.8		
04	H	05.35 50.8	0.6			-	5.0	4.0	3.2	
	Z	05.35 50.8	0.8				0.7	0.9		
	A	06.20 53.2	0.9				0.4	0.4		
04	H	06 20 54.0	1.5				0.2	0.3	1.5	
	Z	06.20 53.2	0.5				2.0	1.7		
	A	07.35 42.9	0.8			+	12.6	30.0		
04	H	07.35 42.9	0.8				14.4	19.3	4.3	
	Z	07.35 42.9	0.8			-	3.0	3.4		
	A	07.39 53.3	1.0			+	1.9	2.3		
04	H	07.39 53.4	1.1				3.7	4.6	5.9	
	Z	07.39 52.9	0.9				2.2	2.1		
	A	08.28 56.6	0.5				2.9	4.5		
04	H	08.28 57.5	1.0				1.6	1.4	3.3	
	Z	08.28 56.4	0.6				2.5	2.3		
	A	08.39 44.1	0.6				4.5	9.8		
04	H	08.39 44.8	1.0			+	1.9	2.5	3.4	
	Z	08.39 43.6	0.6				2.1	1.8		
	A	09.12 21.7	0.9				1.7	2.9		
04	H	09.12 22.4	1.3			-	1.3	1.4	3.5	
	Z	09.12 21.3	0.5				3.6	2.0		
	A	09.34 14.9	0.8			+	9.6	11.6		
04	H	09.34 15.2	1.1				1.8	2.4	5.8	
	Z	09.34 15.0	1.0				2.3	1.4		
	A	09.36 12.1	0.6				8.7	9.2		
04	H	09.36 13.1	1.3				1.3	1.8	4.3	
	Z	09.36 12.2	0.9				0.4	0.9		
	A	10.34 17.5	0.7				7.2	8.4		
04	H	10.34 18.3	1.2				3.8	6.1	3.6	
	Z	10.34 17.0	0.5					19.2		
	A	11.07 32.8	0.6				0.3	0.9		
04	H	11.07 33.7	1.0				0.4	0.4	3.2	
	Z	11.07 32.3	0.5				1.0	1.4		
	A	11.28 22.4	1.1				3.3	3.9		
04	H	11.28 22.2	1.3				4.3	5.5	6.8	
	Z	11.28 21.5	1.0			+	2.8	3.5		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
04	A	11.30 26.7	0.7				2.8	4.2		
	H	11.30 27.3	0.9			-	2.5	3.9	2.7	3.3
	Z	11.30 26.2	0.5			-		8.0		
04	A	12.09 25.9	1.0				3.0	1.8		
	H	12.09 25.8	1.2			-	4.5	7.4	5.7	3.4
	Z	12.09 25.3	0.8				3.6	2.3		
04	A	13.04 37.2	0.9				2.8	2.8		
	H	13.04 37.9	1.4				2.1	3.0	4.3	3.0
	Z	13.04 36.7	0.6				0.8	1.8		
04	A	13.50 41.2	0.7				2.7	5.6		
	H	13.50 41.9	1.2				1.3	2.4	3.4	3.2
	Z	13.50 40.7	0.5					3.6		
04	A	16.10 01.6	1.0				1.4	0.8		
	H	16.10 02.4	1.0				0.6	0.7	0.7	2.7
	Z	16.10 00.6	0.6				0.8	1.4		
04	A	20.40 42.6	1.0				6.7	5.4		
	H	20.40 42.1	0.9			-	12.2	15.8	5.9	3.7
	Z	20.40 42.3	1.1			-	4.4	2.8		
04	A	21.37 26.9	0.7				0.4	0.3		
	H	21.37 27.2	0.6				0.4	0.2		2.2
	Z	21.37 26.1	0.5				1.6	1.9		
04	A	22.41 48.1	1.1				4.2	2.7		
	H	22.41 47.5	0.9				5.9	5.7	5.6	2.2
	Z	22.41 47.8	1.1				1.0	0.8		
05	A	02.14 04.1	0.6				9.4	5.2		
	H	02.14 04.8	1.0			+	2.2	3.2	3.2	3.3
	Z	02.14 03.7	0.5			-	2.4	2.5		
05	A	02.18 52.5	0.7			+	2.9	1.4		
	H	02.18 53.3	1.1			+	2.8	3.6	3.5	3.2
	Z	02.18 52.2	0.5			-	4.8	5.1		
05	A	02.30 41.0	0.7				1.4	1.1		
	H	02.30 41.2	1.1				1.6	2.8	3.2	2.8
	Z	02.30 40.4	0.5				3.2	3.4		
05	A	02.32 51.1	0.6				0.4	0.2		
	H	02.32 51.8	1.1				0.6	0.6	2.8	1.9
	Z	02.32 51.1	0.5				1.0	0.8		
05	A	03.20 20.8	0.7				4.9	3.1		
	H	03.20 21.3	1.1				4.3	5.2	3.7	3.5
	Z	03.20 20.3	0.5			-		8.4		
05	A	03.53 02.4	0.6			+	2.8	2.6		
	H	03.53 03.1	0.9				2.1	2.4	3.5	2.8
	Z	03.53 02.2	0.6				1.0	1.7		
05	A	05.50 10.1	0.8				1.2	0.3		
	H	05.50 10.2	1.1				1.4	2.5	4.8	2.7
	Z	05.50 09.3	0.7				1.0	1.6		
05	A	06.09 16.4	1.2				2.6	1.6		
	H	06.09 16.3	1.0				5.3	4.0	3.9	3.4
	Z	06.09 16.0	0.9			+	2.8	2.4		
05	A	06.09 19.0	1.1			+	10.0	10.2		
	H	06.09 18.6	1.0				12.3	9.7	5.0	4.1
	Z	06.09 18.5	0.9			+		8.8		
05	A	06.56 12.6	1.0				40.2	18.4		
	H	06.56 13.1	1.3			-	18.3	16.1	3.7	4.6
	Z	06.56 11.9	0.6			+		24.4		
05	A	06.58 11.6	1.0				3.2	3.6		
	H	06.58 12.3	1.3				1.0	1.3	3.1	3.1
	Z	06.58 10.9	0.5				1.2	1.8		
05	A	07.42 18.6	0.9				3.4	3.0		
	H	07.42 18.6	1.0				10.9	12.8	5.7	3.1
	Z	07.42 18.1	0.9				1.0	1.4		
05	A	07.44 40.9	0.7							
	H	07.44 41.7	1.0				0.7	1.2	3.4	2.6
	Z	07.44 40.0	0.5			+	1.9	1.8		
05	A	08.40 56.5	0.7			+	46.2	27.5		
	H	08.40 58.2	0.9			+	12.5	14.6	4.2	4.2
	Z	08.40 56.9	0.7			-	3.8	7.3		
05	A	08.49 26.1	0.9							
	H	08.49 27.1	0.7				3.3	3.3	3.2	3.0
	Z	08.49 26.1	0.8				2.1	1.2		
05	A	10.30 38.2	1.0							
	H	10.30 37.6	1.1			-	1.6	1.8	6.6	2.6
	Z	10.30 37.9	1.1			+	0.7	0.6		
05	A	12.19 26.8	0.9				1.2	2.6		
	H	12.19 26.4	0.9			+	3.2	4.6	5.6	2.9
	Z	12.19 27.1	1.0				0.4	0.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
05	A	13.40 36.2	1.1				1.0	1.1		
	H	13.40 35.7	1.0				1.4	1.5	6.6	3.0
	Z	13.40 36.0	1.1				1.2	0.9		
05	A	14.11 19.8	0.9				1.1	1.3		
	H	14.11 20.0	1.0				2.9	5.0	5.5	2.7
	Z	14.11 20.0	0.9				0.4	0.8		
05	A	14.37 15.9	0.9				2.0	2.3		
	H	14.37 16.5	1.2			-	1.2	1.2	3.5	3.1
	Z	14.37 15.6	0.5			+	3.8	1.6		
05	A	14.46 05.3	1.0				0.4	0.2		
	H	14.46 05.4	0.7				0.4	0.5		2.4
	Z	14.46 05.0	0.6				0.5	1.4		
05	A	14.48 46.1	0.9				3.3	6.8		
	H	14.48 45.3	0.7				6.3		4.3	3.1
	Z	14.48 46.0	1.0			-	0.5	0.4		
05	A	14.52 54.2	1.1				0.8	1.4		
	H	14.52 53.8	0.9			-	1.6	2.6	5.2	3.2
	Z	14.52 53.2	1.0					2.6		
05	A	18.37 28.2	1.2				1.8	3.5		
	H	18.37 27.6	1.0				4.2	2.6	6.4	3.2
	Z	18.37 27.8	1.1			+	1.0	1.0		
05	A	21.01 03.0	1.1			+	1.2	2.6		
	H	21.01 02.4	1.0				7.9	12.4	6.5	3.2
	Z	21.01 03.0	1.2			-	0.9	1.3		
05	A	21.23 45.1	1.3				0.5	0.6		
	H	21.23 44.9	1.3			-	2.5	3.8	5.2	3.0
	Z	21.23 44.8	1.0				3.2	2.4		
05	A	21.52 24.0	1.0				0.8	1.3		
	H	21.52 23.9	1.2				1.8	1.4	3.2	2.9
	Z	21.52 23.0	0.6				2.6	2.4		
05	A	21.55 06.0	0.9				0.4	0.8		
	H	21.55 06.0	1.1			-	1.0	1.7	4.9	2.7
	Z	21.55 05.0	0.7			+	0.8	1.8		
05	A	22.24 50.0	1.2			+	0.7	0.6		
	H	22.24 49.8	1.2			-	3.6	3.0	4.5	2.9
	Z	22.24 49.6	0.8				2.6	1.7		
05	A	22.40 17.5	0.7				0.4	0.2		
	H	22.40 18.2	1.0				0.4	0.5	2.8	1.9
	Z	22.40 17.2	0.4				1.0	1.0		
06	A	00.11 04.7	0.8				0.4	0.2		
	H	00.11 04.2	1.2				0.4	0.3	3.3	2.3
	Z	00.11 03.3	0.5				0.4	2.0		
06	A	00.15 56.4	0.7				0.4	0.2		
	H	00.15 56.0	0.7				0.6	1.0	2.9	2.2
	Z	00.15 55.7	0.7				1.1	1.4		
06	A	00.45 11.2	1.2				2.4	1.8		
	H	00.45 10.9	1.0			-	5.0	3.8	4.6	3.4
	Z	00.45 10.9	1.0			+	3.2	1.6		
06	A	01.30 40.6	0.7				15.1	11.5		
	H	01.30 40.7	1.1				4.0	5.4	4.6	3.6
	Z	01.30 40.8	1.2			-	1.5	1.4		
06	A	02.48 38.8	0.9				10.5	12.5		
	H	02.48 38.8	1.1			+	9.1	8.5	6.1	3.6
	Z	02.48 39.2	1.3			-	0.5	1.1		
06	A	03.33 49.5	0.9				0.7	0.6		
	H	03.33 49.3	0.9			-	3.0	1.8	2.3	2.8
	Z	03.33 48.9	0.6			+		3.6		
06	A	04.11 50.2	0.8				4.4	2.0		
	H	04.11 50.3	0.9			-	7.8	11.3	4.0	3.2
	Z	04.11 50.4	0.7			-	0.8	2.0		
06	A	09.48 56.6	0.9			-	22.8	9.6		
	H	09.48 55.9	1.0				34.6	27.0	6.1	3.8
	Z	09.48 56.9	1.0			-	0.8	1.4		
06	A	09.49 15.4	0.5			+	9.6	15.1		
	H	09.49 16.0	1.0				1.6	1.0	3.7	2.7
	Z	09.49 15.8	0.8				0.2	0.2		
06	A	11.35 17.7	0.6				3.4	2.3		
	H	11.35 18.6	1.1				2.1	3.0	4.1	2.9
	Z	11.35 17.9	0.7				1.0	1.1		
06	A	12.48 53.5	1.0				1.9	1.6		
	H	12.48 53.8	1.1			-	3.0	3.4	4.7	3.5
	Z	12.48 53.1	0.7				4.2	10.1		
06	A	12.49 15.4	1.1				0.4	0.3		
	H	12.49 15.7	1.1				1.2	1.6	2.2	2.5
	Z	12.49 14.9	0.7				1.2	1.6		

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	13.56 17.6	0.6				1.2	1.4		
06	H	13.56 17.9	1.0				0.9	1.3	2.1	2.6
	Z	13.56 17.0	0.4			-	3.6	2.4		
	A	13.58 26.3	0.7				0.4	0.2		
06	H	13.58 26.6	0.8			-	0.3	0.3		2.2
	Z	13.58 25.7					2.5	2.2		
	A	15.51 54.8	0.8			+	3.0	2.9		
06	H	15.51 54.8	0.9				5.2	6.2	4.8	2.9
	Z	15.51 54.8	0.8				1.0	0.6		
	A	16.02 32.8	1.1			+	2.9	3.5		
06	H	16.02 32.4	0.8			+	2.9	3.8	5.2	3.1
	Z	16.02 33.2	1.1				0.4	0.8		
	A	17.03 58.5	1.0				1.2	0.9		
06	H	17.03 58.5	1.0				2.1	2.2	4.8	2.8
	Z	17.03 58.4	0.8				1.4	1.0		
	A	17.04 40.1	0.7			+	1.0	0.8		
06	H	17.04 40.4	1.0			-	1.3	1.8	2.5	2.8
	Z	17.04 39.3	0.4			-		5.4		
	A	17.32 22.9	1.5				2.4	3.5		
06	H	17.32 23.7	2.0			+	2.8	3.8	8.1	3.6
	Z	17.32 22.7	1.3			+	1.8	1.1		
	A	18.32 09.8	1.0				0.6	1.1		
06	H	18.32 09.8	1.2			-	4.9	7.5	5.7	2.9
	Z	18.32 09.6	0.8				2.0	1.0		
	A	19.05 19.7	1.0				2.9	2.8		
06	H	19.05 19.7	1.2			-	9.7	13.8	5.7	3.2
	Z	19.05 19.3	0.8			-	2.2	2.4		
	A	20.10 36.0	1.1			-	39.2	28.8		
06	H	20.10 35.9	1.4				32.4		6.6	4.6
	Z	20.10 35.4	0.9					20.2		
	A	20.49 26.0	1.0			+	0.6	1.0		
06	H	20.49 26.1	1.0				3.6	4.6	4.4	3.5
	Z	20.49 25.9	0.8					1.6		
	A	21.19 14.6	0.9				4.3	6.4		
06	H	21.19 14.3	0.8				10.7	13.6	4.5	3.4
	Z	21.19 14.9	0.9					2.2		
	A	21.29 31.3	0.7				6.1	8.3		
06	H	21.29 31.9	1.0			+	2.1	1.6	4.6	3.3
	Z	21.29 31.8	0.8					2.0		
	A	23.14 34.6	0.7				0.2	0.1		
06	H	23.14 34.8	0.9				0.2	0.3	1.9	1.4
	Z	23.14 33.8	0.3			-		2.0		
	A	23.14 41.0	0.8				0.2	0.2		
06	H	23.14 41.3	0.9				0.4	0.4	0.8	2.2
	Z	23.14 40.3	0.4			-		3.8		
	A	23.41 06.3	0.7				0.6	0.5		
06	H	23.41 06.9	1.0			+	0.4	0.6	2.4	2.4
	Z	23.41 05.7	0.4					3.0		
	A	00.25 11.9	1.1				0.2	0.2		
07	H	00.25 12.1	1.2			+	1.0	1.6	3.4	2.5
	Z	00.25 11.4	0.7					3.1		
	A	00.47 39.5	0.6				2.3	2.4		
07	H	00.47 40.3	1.0			+	2.7	3.3	4.1	2.9
	Z	00.47 39.9	0.7					2.2		
	A	00.49 02.0	0.9				0.7	0.4		
07	H	00.49 02.0	1.2				0.7	1.6	4.7	2.7
	Z	00.49 01.3	0.7					2.6		
	A	01.55 35.8	0.8			+	2.7	2.8		
07	H	01.55 35.8	0.9			-	6.4		4.3	3.0
	Z	01.55 35.8	0.7			-		2.0		
	A	04.20 26.7	0.7			-	0.6	1.0		
07	H	04.20 27.7	1.2				1.1	1.0	3.0	2.4
	Z	04.20 26.4	0.5					1.6		
	A	06.42 56.5	0.9				1.2	1.6		
07	H	06.42 57.1	1.2			-	1.2	1.8	3.5	2.8
	Z	06.42 55.7	0.5					2.1		
	A	06.51 19.6	0.7				20.2	10.2		
07	H	06.51 20.1	1.1			+	3.1	5.6	4.8	3.5
	Z	06.51 19.7	0.9			-		1.0		
	A	07.32 28.0	1.0				0.3	0.2		
07	H	07.32 28.1	1.2			+	1.2	1.0	5.1	2.2
	Z	07.32 27.3	0.7					1.0		
	A	07.50 30.2	0.9			-	6.2	12.2		
07	H	07.50 29.7	0.7			+	13.1		4.6	3.6
	Z	07.50 30.1	1.0					1.4		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	09.20 50.5	0.9				5.2	5.2		
07	H	09.20 50.2	0.8				5.8	5.7	4.9	3.2
	Z	09.20 50.1	1.0					1.2		
	A	09.20 59.4	0.8				6.4	4.6		
07	H	09.20 59.1	0.8				7.0	10.6	4.9	3.3
	Z	09.20 59.3	1.0					1.3		
	A	10.33 18.4	1.1				0.6	1.9		
07	H	10.33 16.9	1.0			-	4.4	8.7	5.9	2.7
	Z	10.33 18.1	1.0					0.4		
	A	11.14 03.0	0.7			+	0.6	0.9		
07	H	11.14 03.6	1.2			+	1.0	1.7	2.5	2.8
	Z	11.14 02.5	0.4				6.2	8.3		
	A	11.52 20.4	0.6			+	0.3	0.8		
07	H	11.52 21.1	1.0			-	1.6	1.7	2.5	2.6
	Z	11.52 20.4	0.4			-	4.9	3.3		
	A	11.57 01.7	0.6			+	3.6	5.1		
07	H	11.57 02.1	1.0			-	7.2	6.7	3.3	3.5
	Z	11.57 01.4	0.5			+	6.0	11.8		
	A	12.01 37.6	0.9				0.2	0.3		
07	H	12.01 38.1	1.0			-	1.0	0.7		3.3
	Z	12.01 37.2				-	2.0	1.3		
	A	13.46 26.1	1.0			+	1.7	2.4		
07	H	13.46 25.5	0.9				6.7	7.7	5.9	3.0
	Z	13.46 26.1	1.1				0.4	0.8		
	A	13.57 30.2	1.1			+	6.5	3.5		
07	H	13.57 29.7	0.7			+	4.9	8.6	4.8	3.8
	Z	13.57 30.5	1.2				3.4	1.9		
	A	14.48 51.5	0.8				1.3	2.7		
07	H	14.48 51.8	0.8			-	1.6	1.8	3.8	2.8
	Z	14.48 52.0	0.7			+	0.5	0.7		
	A	15.16 10.1	0.6			+	0.9	1.2		
07	H	15.16 10.8	1.0				0.8	1.6	4.0	2.3
	Z	15.16 10.3	0.7			-	0.6	0.6		
	A	18.00 26.6	0.5			-	6.2	14.3		
07	H	18.00 27.3	0.9				3.3	3.6	3.3	3.2
	Z	18.00 27.2	0.8				1.0	1.0		
	A	19.06 32.6	0.6			+	7.8	9.3		
07	H	19.06 33.6	1.1				2.3	2.7	3.8	3.1
	Z	19.06 33.0	0.7			+	0.8	0.9		
	A	19.22 40.3	1.1			-	2.1	1.9		
07	H	19.22 40.0	0.9				6.3	9.8	6.0	3.0
	Z	19.22 40.5	1.1			+	0.7	0.8		
	A	22.43 15.7	0.8			-	9.0	7.0		
07	H	22.43 15.5	0.7			+	8.6	11.0	4.2	3.4
	Z	22.43 16.1	0.9				1.2	1.4		
	A	22.46 08.2	0.8			+	5.7	5.8		
07	H	22.46 08.1	0.7			+	13.4	9.8	3.5	3.4
	Z	22.46 08.6	0.8			-	3.3	2.0		
	A	00.46 09.4	0.5			+	3.6	3.9		
08	H	00.46 10.7	1.1				1.0	1.2	2.8	2.7
	Z	00.46 10.0	0.6			+	1.1	0.8		
	A	02.56 27.8	0.8			-	1.0	1.9		
08	H	02.56 28.9	1.3			+	2.7	4.0	3.5	2.9
	Z	02.56 27.8	0.5			+	3.0	3.2		
	A	03.44 25.4	1.0			+	16.4	11.9		
08	H	03.44 25.4	1.0			-	5.7	5.6	0.9	4.1
	Z	03.44 24.5	0.5			+	11.5	11.5		
	A	03.44 32.8	1.0				0.3	0.9		
08	H	03.44 32.9	1.2				0.4	1.0	2.8	2.9
	Z	03.44 31.8	0.5			+	3.6	5.6		
	A	04.25 05.4	0.8			-	1.8	5.6		
08	H	04.25 05.4	0.6				8.5	10.4	3.0	3.2
	Z	04.25 05.8	0.8				0.8	1.6		
	A	05.29 06.9	1.1			+	0.4	0.2		
08	H	05.29 06.7	0.9			-	2.7	2.1	4.7	2.3
	Z	05.29 07.0	1.0				0.5	0.3		
	A	06.48 51.8	0.8			-	0.3	0.5		
08	H	06.48 52.7	1.2			+	0.6	0.7	2.2	2.4
	Z	06.48 51.5	0.3				3.3	4.2		
	A	07.16 09.7	1.2				1.0	4.0		
08	H	07.16 09.5	0.9			-	4.3	8.2	5.7	3.2
	Z	07.16 09.9	1.1				0.7	1.0		
	A	09.04 56.0	0.8			-	2.6	3.4		
08	H	09.04 56.8	1.3			-	3.8	5.4	3.6	3.2
	Z	09.04 55.9	0.6				2.8	3.2		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jun. 1967
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	09.08 44.9	0.8			+	1.3	4.1		
08	H	09.08 45.2	1.4			+	3.2	4.0	3.7	3.1
	Z	09.08 44.3	0.6			+	2.0	2.0		
	A	09.24 21.6	0.9							
08	H	09.24 21.6	0.7			-	1.2	1.5	3.9	3.0
	Z	09.24 21.9	0.8			-	1.9	0.5		
	A	11.32 37.8	1.0			+				
08	H	11.32 37.6	0.8			-	5.2	5.9	2.9	3.4
	Z	11.32 37.8	0.8			+	4.5	2.9		
	A	12.02 02.8	0.6							
08	H	12.02 03.0	1.1				2.0	2.8	4.0	2.6
	Z	12.02 02.9	0.8				0.4	1.0		
	A	13.33 16.4	1.1			-	0.8	0.7		
08	H	13.33 16.4	1.1			-	1.3	1.5	5.3	2.8
	Z	13.33 16.8	0.9				2.0	0.6		
	A	13.46 14.3	0.6			+	2.6	4.5		
08	H	13.46 14.9	1.1				1.5	2.9	3.0	3.1
	Z	13.46 14.4	0.5			+	3.7	3.0		
	A	14.40 27.4	0.6				0.7	0.9		
08	H	14.40 28.4	1.0				0.7	1.5	2.8	2.4
	Z	14.40 27.3	0.5				1.2	1.8		
	A	14.44 21.4	1.1			+	3.6	4.3		
08	H	14.44 21.2	0.9			-	15.3	12.8	2.4	3.4
	Z	14.44 22.0	0.8			+	2.4	3.0		
	A	15.15 17.0	1.1			+	1.2	1.8		
08	H	15.15 16.7	0.8			-	9.0	9.7	3.6	3.1
	Z	15.15 17.2	0.9				2.2	2.1		
	A	16.07 38.0	0.8			-	0.8	2.0		
08	H	16.07 38.7	1.3			-	1.9	2.0	2.8	2.9
	Z	16.07 37.8	0.4				3.6	2.8		
	A	16.12 30.7	0.8			-	0.5	0.4		
08	H	16.12 31.7	1.3				0.6	0.7	2.8	2.5
	Z	16.12 30.7	0.4				3.2	1.6		
	A	16.22 09.0	0.8			-	0.7	0.8		
08	H	16.22 09.8	1.3				1.0	1.1	2.9	2.6
	Z	16.22 08.9	0.4				3.7	2.8		
	A	17.43 44.3	1.1				0.5	2.0		
08	H	17.43 44.1	1.0			-	1.2	2.4	5.6	3.1
	Z	17.43 44.6	1.0			+	1.4	1.0		
	A	17.54 07.2	0.4				0.8	1.2		
08	H	17.54 08.0	1.0			-	1.1	1.1	2.6	2.4
	Z	17.54 07.1	0.6			-	1.6	1.6		
	A	17.56 38.3	0.6				0.5	0.9		
08	H	17.56 38.8	1.0			-	1.0	1.4	2.8	2.5
	Z	17.56 38.0	0.5			-	2.4	2.4		
	A	18.47 44.7	0.8				0.5	2.1		
08	H	18.47 43.3	0.7				3.1	3.6	4.3	2.3
	Z	18.47 45.2	1.1				0.1	0.1		
	A	19.16 52.3	1.0				0.3	0.2		
08	H	19.16 53.1	1.5			-	0.2	0.2	3.0	2.3
	Z	19.16 52.1	0.5				1.8	0.6		
	A	22.22 50.7	0.7			-	0.4	1.8		
08	H	22.22 51.3	1.3			-	2.6	3.6	3.3	2.9
	Z	22.22 50.4	0.5				2.6	2.8		
	A	00.32 42.0	1.0				0.2	1.0		
09	H	00.32 42.3	1.1			-	1.3	1.7	2.1	3.0
	Z	00.32 41.7	0.5			+	5.8	1.6		
	A	00.44 44.4	1.0			-	1.1	2.3		
09	H	00.44 44.8	1.1			-	2.3	3.2	1.5	3.3
	Z	00.44 44.1	0.5				4.2	6.0		
	A	01.26 00.7	0.8				1.0	2.4		
09	H	01.26 00.9	0.7			-	9.4	12.7	3.8	3.0
	Z	01.26 00.9	0.9				3.0	1.6		
	A	01.26 15.8	1.0				0.6	0.3		
09	H	01.26 15.7	1.0			-	1.8	1.3	1.4	2.6
	Z	01.26 16.3	0.6				2.2	0.6		
	A	01.47 32.5	0.9				0.3	0.2		
09	H	01.47 32.8	1.2				0.4	0.4	3.5	2.3
	Z	01.47 32.1	0.5				0.8	1.8		
	A	02.50 04.3	1.2				0.2	1.0		
09	H	02.50 05.2	1.8			+	2.0	3.3	3.2	2.9
	Z	02.50 04.1	0.9				1.0	1.4		
	A	02.51 20.4	0.9				5.7	5.2		
09	H	02.51 19.9	0.9			-	7.8	14.0	5.6	3.4
	Z	02.51 20.5	1.0				2.3	1.4		
	A	03.08 46.8	1.2			-	1.4	2.0		
09	H	03.08 48.0	1.8			+	3.7	7.0	3.6	3.2
	Z	03.08 46.9	0.9				2.4	2.3		
	A	03.40 58.4	0.9			+	1.8	6.2		
09	H	03.40 58.4	1.2				8.0	5.5	6.6	3.1
	Z	03.40 59.9	1.1			-	0.6	0.5		
	A	03.41 32.3	0.8				0.6	0.7		
09	H	03.41 32.3	1.0			-	3.0	3.3	3.5	2.5
	Z	03.41 32.3	0.6				2.2	1.3		
	A	05.04 10.6	0.9				0.3	0.2		
09	H	05.04 11.3	1.1				0.3	0.5	1.6	2.3
	Z	05.04 10.5	0.4				2.7	1.8		
	A	06.57 20.3	0.9			-	3.4	7.1		
09	H	06.57 19.6	1.0			-	6.2	9.3	6.3	3.6
	Z	06.57 20.0	1.1				2.3	1.3		
	A	08.56 22.1	1.0				0.2	0.2		
09	H	08.56 22.3					0.2	0.3		2.2
	Z	08.56 22.0					2.6	1.7		
	A	11.00 20.6	0.7				0.7	1.0		
09	H	11.00 20.8	1.1			-	4.0	5.3	2.5	2.8
	Z	11.00 20.1	0.4				6.0	5.2		
	A	11.56 42.9	0.8				0.5	1.2		
09	H	11.56 42.6	0.7			-	3.0	3.2	3.2	2.5
	Z	11.56	0.7				0.9	0.7		
	A	13.13 39.2	0.6				4.8	9.0		
09	H	13.13 40.1	1.2				1.4	1.5	4.3	3.1
	Z	13.13 39.7	0.8			+	1.0	0.9		
	A	13.42 41.5	0.9				2.8	3.3		
09	H	13.42 41.8	1.5				3.2	4.4	2.8	3.1
	Z	13.42 40.8	0.5				2.6	2.6		
	A	13.57 41.7	0.7			-	9.9	12.5		
09	H	13.57 42.5	1.4			-	7.7	11.4	3.6	3.7
	Z	13.57 41.4	0.7				3.2	5.4		
	A	17.12 53.5	1.0				0.5	0.8		
09	H	17.12 53.4	0.9			-	1.4	1.7	4.6	2.9
	Z	17.12 53.5	0.9				2.2	0.4		
	A	17.36 58.6	0.7			-	3.5	1.4		
09	H	17.36 59.2	1.0			+	2.1	2.1	3.4	3.1
	Z	17.36 58.5	0.5			-	3.0	1.4		
	A	17.45 25.1	0.5				7.2	10.3		
09	H	17.45 25.4	0.9			-	6.0	7.0	2.9	3.2
	Z	17.45 25.3	0.6			-	0.4	2.2		
	A	17.45 30.6	0.4				1.9	4.0		
09	H	17.45 31.0	0.9				3.2	2.4	2.7	2.7
	Z	17.45 30.8	0.6			-	0.3	1.0		
	A	17.48 29.3	0.9			+	1.9	2.4		
09	H	17.48 29.0	0.9			-	6.6	10.3	4.6	3.1
	Z	17.48 29.5	0.8				2.1	0.7		
	A	18.18 39.9	0.9			-	0.4	0.8		
09	H	18.18 40.0	1.3			-	0.8	0.8	2.7	2.8
	Z	18.18 39.2	0.4			+	3.7	4.8		
	A	22.10 10.4	0.9			+	10.8	13.2		
09	H	22.10 10.0	0.7			-	34.4	25.8	3.1	4.0
	Z	22.10 10.6	0.8			-	7.1	5.0		
	A	01.06 23.6	1.1				1.7	7.3		
10	H	01.06 23.4	0.9			+	7.4	9.0	6.1	3.1
	Z	01.06 23.9	1.2					0.3		
	A	02.06 04.4	0.8			-	1.6			
10	H	02.06 04.5	1.2			-	7.8	12.2	4.6	3.0
	Z	02.06 04.4	0.7				3.0	1.5		
	A	02.30 06.0	0.5				1.1			
10	H	02.30 06.5	1.0			-	2.1	3.8		2.2
	Z	02.30 06.0	0.6				0.4	0.7		
	A	05.22 19.9	1.1			-	0.6			
10	H	05.22 20.5	1.7			+	0.6	1.4	6.0	2.3
	Z	05.22 19.8	1.1				0.2	0.3		
	A	05.27 59.0	0.9			-	0.7			
10	H	05.27 59.3	0.8			-	3.0	5.2	4.0	2.4
	Z	05.27 59.2	0.8			-	0.9	0.7		
	A	06.37 43.5	1.0				0.2			
10	H	06.37 44.0	1.3				0.4	0.4	5.2	2.3
	Z	06.37 42.2	0.7				2.0	1.4		
	A	09.44 38.4	0.7				1.9			
10	H	09.44 38.4	0.9			-	6.6	11.1	4.6	3.0
	Z	09.44 38.7	0.8				2.4			

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	09.49 24.8	0.6				0.8			
10	H	09.49 25.3	1.2			-	0.2	0.3	2.6	2.2
	Z	09.49 24.9	0.4				0.8	1.3		
	A	09.49 44.0	0.9				0.3			
10	H	09.49 44.5	1.2			-	0.2	0.2	2.3	2.3
	Z	09.49 43.6	0.4					2.8		
	A	10.26 32.9	1.3			-	8.6	9.7		
10	H	10.26 32.5	1.0			+	9.7	15.4	6.9	3.7
	Z	10.26 33.3	1.4					1.1		
	A	11.02 56.5	1.1				0.6	3.0		
10	H	11.02 56.0	0.9			-	3.0	6.6	5.4	3.1
	Z	11.02 56.6	1.1				0.6	0.7		
	A	10.36 29.5	0.8				21.4	32.0		
10	H	10.36 29.6	0.7			-	36.7	36.6	4.6	4.2
	Z	10.36 30.5	1.1			-	2.7	5.1		
	A	10.54 49.4	1.1				16.8	8.0		
10	H	10.54 49.9	1.2			-	5.8	6.4	5.0	4.2
	Z	10.54 49.1	0.8			-	9.6	5.2		
	A	18.09 51.6	1.1			+	42.5	51.2		
10	H	18.09 52.7	1.5			+	25.4	24.4	8.0	4.7
	Z	18.09	1.2			+		49.0		
	A	19.19 36.5	1.0				4.8	5.5		
10	H	19.19 36.3	0.9			+	10.7	10.8	3.7	5.6
	Z	19.19 37.1	1.1			-	13.2	7.2		
	A	19.21 11.9	1.0				0.2	0.4		
10	H	19.21 11.4	0.8				1.5	2.4	2.4	2.4
	Z	19.21	0.8				11.1	6.6		
	A	19.24 13.6	0.6			+	1.7	1.0		
10	H	19.24 14.3	1.1			-	1.0	2.0	3.6	2.7
	Z	19.24 13.9	0.6			-	8.6	4.4		
	A	19.24 28.8	0.5				1.4	1.1		
10	H	19.24 29.6	1.0			-	2.0	3.2	3.1	2.8
	Z	19.24 29.0	0.6			-	9.4	4.4		
	A	19.25 23.9	0.6				1.4	1.8		
10	H	19.25 24.6	1.1				2.2	2.6	3.0	2.9
	Z	19.25 23.9	0.5			-	10.0	12.9		
	A	19.51 53.8	0.8				0.7	0.8		
10	H	19.51 53.2	0.5			+	2.3	2.9	2.8	2.5
	Z	19.51 54.0	0.9			-	2.8	3.0		
	A	19.53 08.9	0.9			-	5.4	2.3		
10	H	19.53 08.6	0.8			+	4.1	5.8	4.9	3.4
	Z	19.53 09.8	1.3			-	3.4	2.4		
	A	21.17 00.0	0.6					0.9		
10	H	21.16 59.7	0.8			-	2.5	5.1	3.6	2.7
	Z	21.17 00.1	0.9			-	2.8	2.8		
	A	22.41 12.6	1.1				1.5	1.4		
10	H	22.41 12.1	0.7			+	5.4	9.3	2.8	3.2
	Z	22.41 13.0	1.0				4.4	2.5		
	A	22.56 37.1	0.9			-	0.3	1.0		
10	H	22.56 36.7	1.0				0.9	0.9	5.3	2.5
	Z	22.56 36.8	0.9			-	3.4	2.6		
	A	23.52 16.4	1.2				0.6	0.2		
10	H	23.52 15.7	0.7			+	1.7	2.4	5.1	2.6
	Z	23.52 16.1	1.4			+	2.4	2.7		
	A	00.34 39.3	1.2				0.5	0.6		
11	H	00.34 39.2	1.1			-	1.2	2.1	3.6	2.5
	Z	00.34 39.4	1.1			+	3.0	3.6		
	A	00.36 40.5	1.1				0.4	0.3		
11	H	00.36 40.0	1.0			-	0.6	1.3	6.4	2.4
	Z	00.36 40.3	1.1			+	1.7	1.8		
	A	00.49 11.9	0.5				1.0	4.0		
11	H	00.49 11.6	0.6			-	3.4	5.0	2.6	3.0
	Z	00.49 12.4	0.9			-	2.8	3.2		
	A	01.11 20.2	1.1				0.4	0.5		
11	H	01.11 20.1	1.0			-	1.2	1.7	4.7	2.6
	Z	01.11 20.5	0.9				6.6	3.7		
	A	01.40 17.9	0.4				1.0	0.9		
11	H	01.40 18.4	1.0			-	1.0	1.0	2.9	2.2
	Z	01.40 17.7	0.7			-	11.1	4.8		
	A	02.07 29.6	0.7				0.6	0.2		
11	H	02.07 30.1	1.1			-	0.2	0.4	2.5	2.0
	Z	02.07 29.6	0.4			-	8.4	10.8		
	A	02.13 14.0	1.0				2.8	2.2		
11	H	02.13 14.0	1.0			-	1.4	3.4	5.8	3.2
	Z	02.13 14.4	1.0			+	7.0	5.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	03.05 43.7	0.6			+	6.8	7.6		
11	H	03.05 44.4	1.2			-	3.1	3.4	3.2	3
	Z	03.05 43.9	0.6			+	7.5	9.2		
	A	03.13 43.4	0.6				0.4	0.5		
11	H	03.13 43.9	0.9				0.6	1.0	2.5	2
	Z	03.13 43.1	0.5			-	5.1	5.4		
	A	03.26 55.7	0.5			-	1.8	2.3		
11	H	03.26 56.3	1.2				1.2	1.7	2.7	2
	Z	03.26 55.9	0.7			+	8.0	6.6		
	A	04.13 30.0	0.6			-	0.7	1.8		
11	H	04.13 29.5	0.6				0.7	1.2	1.0	2
	Z	04.13 30.6	1.2			-	2.4	2.3		
	A	05.19 16.7	1.0				0.4	0.2		
11	H	05.19 17.0	1.3				0.2	0.5	5.5	2
	Z	05.19 16.4	0.8				2.2	3.6		
	A	06.10 08.1	0.7				0.8	1.4		
11	H	06.10 08.2	1.0			-	0.9	1.5	2.9	2
	Z	06.10 07.8	0.5				4.5	5.5		
	A	06.14 25.9	0.9			+	1.3	2.8		
11	H	06.14 25.7	0.7			-	5.5	7.4	4.2	3
	Z	06.14 26.2	1.1			-	12.0	5.0		
	A	06.24 07.9	1.0				0.5	0.6		
11	H	06.24 07.9	1.1			-	0.4	0.7	4.5	2
	Z	06.24 07.4	0.7			+	7.1	14.1		
	A	06.31 32.8	1.1				0.2			
11	H	06.31 32.7	1.1				0.5	0.6	2.4	2
	Z	06.31 32.0	0.6			+	3.2	6.0		
	A	06.56 20.6	0.6				5.4	4.2		
11	H	06.56 19.8	0.8			-	8.6	15.3	4.0	3
	Z	06.56 20.3	1.0			-	20.9	7.4		
	A	06.56 55.4	0.7				2.0	2.0		
11	H	06.56 55.1	0.8			-	4.2	6.2	4.1	3
	Z	06.56 55.7	0.8				3.2	3.0		
	A	06.58 10.5	0.8				0.5	0.3		
11	H	06.58 10.3	0.8			-	1.4	3.5	3.7	2
	Z	06.58 10.8	0.8				6.2	2.6		
	A	07.15 33.2	0.9			+	1.8	1.4		
11	H	07.15 32.8	0.6			+	2.0	2.0	4.3	2
	Z	07.15 33.8	1.1			+	4.3	3.4		
	A	07.43 39.1	1.0			-	0.5	0.6		
11	H	07.43 38.7	0.6			+	1.0	2.7	3.3	2
	Z	07.43 39.6	1.0				2.7	2.6		
	A	08.03 22.8	0.9			+	1.8	2.6		
11	H	08.03 22.4	0.7			-	9.0	7.4	3.6	3
	Z	08.03 22.7	0.8			-	11.8	4.4		
	A	08.03 40.9	1.7				0.4	0.2		
11	H	08.03 41.2	2.1				0.2	0.3	9.1	2
	Z	08.03 40.7	1.4			+	4.0	2.5		
	A	08.25 13.1	0.7				0.6	2.5		
11	H	08.25 12.5	0.6			-	3.8	4.4	3.4	2
	Z	08.25 13.3	1.0			-	3.5	2.8		
	A	09.05 10.8	0.6				0.3			
11	H	09.05 11.2	1.2				0.2	0.3	2.8	1
	Z	09.05 10.5	0.5			+	2.8	7.8		
	A	09.47 22.2	0.6				2.7	3.0		
11	H	09.47 21.5	0.7				2.7	3.0	3.0	2
	Z	09.47 22.2	1.0				10.3	6.2		
	A	09.59 59.8	0.6				0.5			
11	H	09.59 59.6	0.7				1.0	1.7	3.4	2
	Z	10.00 00.0	0.8				3.7	2.6		
	A	10.17 32.5	1.0				1.0	0.5		
11	H	10.17	0.8				0.7	2.1	5.1	2
	Z	10.17 32.2	1.0				3.5	2.9		
	A	10.30 00.3	0.5			+	6.6	8.9		
11	H	10.30 00.4	0.9			+	1.1	2.8	2.8	3
	Z	10.30 00.9	1.0			-	8.2	2.9		
	A	12.05 31.9	1.2				49.6	22.0		
11	H	12.05 31.6	1.0			-	39.9	27.5	4.5	4
	Z	12.05	0.9					52.7		
	A	12.07 33.3	0.9				0.8	0.6		
11	H	12.07	0.9				1.6	2.1	2.9	2
	Z	12.07 33.4	0.7			-		6.4		
	A	12.35 05.5	0.7			+	2.4	3.8		
11	H	12.35 05.3	0.7			-	2.8	3.9	3.9	3
	Z	12.35 05.9	0.9			-		2.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jun. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	13.17 43.9	0.7			+	17.8	11.8		
11	H	13.17 43.6	1.0			-	14.7	16.0	4.6	4.2
	Z	13.17 44.3	0.8			-		15.2		
	A	14.14 41.4	1.5				0.5	0.2		
11	H	14.14 41.6	1.6				0.6	1.0	10.2	2.7
	Z	14.14 42.8	1.5					0.6		
	A	14.16 30.1				+	0.5	0.4		
11	H	14.16 30.1				-	0.3	0.4		1.7
	Z	14.16 29.5				-		8.6		
	A	16.54 38.1	1.5			+	0.7	0.6		
11	H	16.54 38.6	1.9			+	0.7	0.8	9.5	2.9
	Z	16.54 38.0	1.3			+		2.0		
	A	17.00 48.8	1.5				2.0	2.4		
11	H	17.00 49.0	1.9			+	1.7	2.0	8.2	3.4
	Z	17.00 48.6	1.2			+		6.3		
	A	17.14 01.8	0.9			+	8.9	12.6		
11	H	17.14 00.9	0.6			-	20.2	11.1	4.2	4.0
	Z	17.14 02.0	1.1			+		16.1		
	A	17.38 37.5	0.6			+	1.0	0.6		
11	H	17.38 37.8	1.1				0.4	0.7	4.3	2.3
	Z	17.38 37.5	0.8			-		2.7		
	A	18.12 01.5	1.5				2.6	1.6		
11	H	18.12 01.8	1.9			+	1.8	3.0	8.3	3.6
	Z	18.12 01.3	1.2			+		6.2		
	A	18.23 19.3	0.9				2.3	2.2		
11	H	18.23 19.8	1.5			-	2.7	3.0	4.3	3.2
	Z	18.23 18.9	0.7			+		11.0		
	A	18.47 36.1	1.0				6.2	8.4		
11	H	18.47 35.3	0.8				9.5	6.1	5.1	3.7
	Z	18.47 36.4	1.1			+		7.2		
	A	19.45 14.8	1.6			-	0.2	0.2		
11	H	19.45 15.3	2.0				0.4	0.5	8.7	2.4
	Z	19.45 14.5	1.3					2.6		
	A	21.45 49.2	1.0				1.6	2.1		
11	H	21.45 48.5	0.7			+	1.8	2.2	4.7	2.8
	Z	21.45 49.7	1.2					4.5		
	A	21.52 01.9	1.5				0.4	0.9		
11	H	21.52 02.3	2.0			+	0.9	1.3	9.0	3.0
	Z	21.52 01.6	1.3					2.5		
	A	23.04 30.8	1.0				1.8	1.2		
11	H	23.04 30.1	0.6			-	5.3	5.3	4.1	3.0
	Z	23.04 31.2	1.1			-	2.5	4.6		
	A	00.41 46.5	0.7				0.1			
12	H	00.41 47.0	1.1				0.4	0.4	3.3	1.5
	Z	00.41 46.3	0.5				2.0	6.4		
	A	01.28 36.1	0.8			-	2.7	7.8		
12	H	01.28 35.6	0.7			+	9.1	10.1	4.1	3.6
	Z	01.28 36.8	1.0			-	4.8	3.7		
	A	02.16 13.1	0.6			+	8.0	5.9		
12	H	02.16 12.8	0.8			-	12.2	14.4	3.4	3.7
	Z	02.16 13.2	0.8			-	15.3	4.6		
	A	03.09 02.6	0.8			+	11.6	9.8		
12	H	03.09 02.4	0.8			+	10.5	9.4	4.3	3.8
	Z	03.09 03.7	0.8			-	7.7	7.6		
	A	04.03 53.5	0.9				1.9	1.3		
12	H	04.03 53.1	0.8			-	12.4	7.0	3.6	3.3
	Z	04.03 53.4	0.8			-	6.8	4.8		
	A	05.20 39.7	0.6			-	1.0	10.8		
12	H	05.20 40.5	1.2			+	0.4	0.7	3.7	3.0
	Z	05.20 39.9	0.6				2.6	5.4		
	A	06.11 27.2	1.4			-	0.4	0.2		
12	H	06.11 27.8	1.8				0.4	0.5	8.6	2.5
	Z	06.11 27.0	1.2			+	3.0	3.1		
	A	08.20 39.7	0.8				0.3	0.3		
12	H	08.20 39.9	1.2				0.3	0.3	4.1	1.8
	Z	08.20 39.2	0.6			+	4.9	6.2		
	A	08.28 33.4	0.5				3.8	4.5		
12	H	08.28	0.7				4.8	5.4	2.6	3.0
	Z	08.28 33.8	1.0				5.4	3.4		
	A	08.33 01.7	0.7				19.1	19.0		
12	H	08.33 01.6	0.6				20.0	14.6	1.4	4.0
	Z	08.33	0.6			-	11.8	10.7		
	A	09.06 35.8	0.8			+	4.5	6.8		
12	H	09.06 35.6	0.7			-	6.2	4.7	4.3	3.4
	Z	09.06 36.3	1.0			-	4.0	5.4		
	A	09.43 08.2	1.0			-	54.2	35.0		
12	H	09.43 07.8	1.3			+	41.3	31.8	6.8	4.9
	Z	09.43 08.9	1.4			-	25.4	21.8		
	A	12.46 02.7	0.9			+	9.6	8.8		
12	H	12.46 02.2	0.7				9.4	10.1	4.4	3.7
	Z	12.46 02.0	1.0			-	6.9	5.8		
	A	14.19 32.0	0.9				2.5	0.9		
12	H	14.19 31.2	0.7			+	6.5	7.7	4.5	3.1
	Z	14.19 31.9	1.0			-	2.4	2.6		
	A	14.58 02.2	1.3			+	1.4	1.3		
12	H	14.58 01.5	0.7			+	2.9	2.8	3.9	2.9
	Z	14.58 02.5	1.3				4.0	4.1		
	A	14.58 31.2	1.2				1.2	0.5		
12	H	14.58 30.3	0.7				2.0	2.0	4.1	2.8
	Z	14.58 30.9	1.5				3.2	3.1		
	A	16.20 25.7	0.6			+	5.3	3.1		
12	H	16.20 25.2	0.7				5.8	4.6	3.6	3.2
	Z	16.20 25.9	0.9			-	3.5	7.4		
	A	16.39 07.3	0.7			+	1.6	1.6		
12	H	16.39 07.1	0.6				2.4	2.2	3.1	2.6
	Z	16.39 07.8	0.9			-	3.0	5.9		
	A	17.04 21.5	0.9			+	2.0	3.8		
12	H	17.04 21.1	0.7			+	3.8	3.8	4.6	3.2
	Z	17.04 22.0	1.1			-	2.6	3.8		
	A	17.11 58.8	1.3				0.6	0.3		
12	H	17.11 58.0	0.7				0.9	0.8	3.3	2.3
	Z	17.11 59.2	1.3				1.4	0.6		
	A	17.51 53.6	1.0			+	2.1	2.9		
12	H	17.51 53.4	0.8			-	10.1	10.2	3.8	3.4
	Z	17.51	0.9			+	10.2	11.7		
	A	18.11 43.0	0.6				1.8	2.4		
12	H	18.11 42.6	0.9			-	3.6	4.3	3.6	3.0
	Z	18.11 43.3	0.7			-	10.0	5.5		
	A	20.12 57.6	0.9			-	1.0	1.0		
12	H	20.12 58.1	1.4				0.6	0.5	4.6	2.5
	Z	20.12 57.4	0.7			-	2.0	3.0		
	A	20.27 52.0	0.9			-	13.8	20.7		
12	H	20.27 52.7	0.9				16.0	13.8	5.3	4.2
	Z	20.27 51.8	1.0			+		65.9		
	A	20.36 27.0	0.9			-	0.9	2.0		
12	H	20.36 26.4	0.7			+	1.7	1.2	4.6	2.7
	Z	20.36 27.5	1.2			-		2.9		
	A	21.22 08.4	0.6			+	5.8	4.0		
12	H	21.22 08.3	0.7			-	14.2	9.5	3.3	3.6
	Z	21.22 08.7	0.7			-		9.6		
	A	22.41 34.1	1.3				0.2			
12	H	22.41	1.7				0.6	0.7	8.7	2.3
	Z	22.41 34.6	1.2				0.8	0.5		
	A	23.35 26.4	1.0			-	1.8	2.4		
12	H	23.35 25.6	0.6				2.1	1.6	3.7	2.8
	Z	23.35	1.1			+	4.5	4.3		
	A	00.25 52.0	1.1			-	0.8	1.8		
13	H	00.25 51.9	1.3			-	3.1	4.6	6.8	3.3
	Z	00.25 51.7	1.0			+	6.8	5.2		
	A	00.39 36.5	1.0			-	1.8	2.7		
13	H	00.39 36.3	0.9			+	7.1	14.4	5.0	3.6
	Z	00.39 36.4	1.0			-	1.7	2.8		
	A	00.41 11.1	0.9			+	2.6	1.8		
13	H	00.41 11.0	1.0				3.4	5.9	4.5	3.3
	Z	00.41 11.2	0.8			-	8.0	15.2		
	A	03.10 10.7	1.0			-	2.0	1.0		
13	H	03.10 10.2	0.6			+	7.2	6.3	3.9	3.1
	Z	03.10 10.9	1.1			+	4.4	5.0		
	A	04.37 31.1	0.8			+	0.6	0.2		
13	H	04.37	0.7			-	2.7	2.0	4.5	2.5
	Z	04.37 31.3	1.0			-	3.9	3.1		
	A	05.42 49.2	1.0			-	0.7	0.3		
13	H	05.42 48.8	0.8			-	1.0	0.6	4.9	2.3
	Z	05.42 49.3	1.0			-	3.4	2.6		
	A	06.04 22.8	0.7				1.3	1.0		
13	H	06.04 22.7	1.0			-	2.9	2.2	5.0	2.8
	Z	06.04 23.1	0.9			+	5.1	5.0		
	A	06.15 52.1	1.0			-	4.3			
13	H	06.15 51.5	0.8			-	4.2	6.7	5.3	3.4
	Z	06.15 52.4	1.1				4.0	6.1		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
13	A	06.18 48.3	0.9				3.4			
	H	06.18 49.2	1.5				4.5	5.8	4.3	3.6
	Z	06.18 48.1	0.7			+	5.4	7.4		
13	A	06.31 16.9	1.0			-	5.5			
	H	06.31 16.6	0.9			-	13.6	11.2	5.4	3.8
	Z	06.31 17.0	1.0			+	14.4	19.2		
13	A	07.15 11.2	0.7				0.6			
	H	07.15 10.8	0.8			+	0.9	1.2	4.1	2.4
	Z	07.15 11.1	0.8			-	1.5	2.1		
13	A	08.49 18.4	0.9			-	1.5	5.1		
	H	08.49 17.9	0.6				2.9	2.6	4.1	3.1
	Z	08.49 18.5	1.0			-	4.4	3.3		
13	A	09.33 48.4	0.4				3.3			
	H	09.33 49.3	0.7				0.4	0.3	1.8	2.1
	Z	09.33 49.1	0.6				1.0	0.7		
13	A	10.46 26.9	1.0				0.9			
	H	10.46 26.4	0.6			+	3.1	2.7	3.4	2.7
	Z	10.46 27.3	1.1				5.0	3.3		
13	A	12.52 23.9	1.0			+	1.7	1.3		
	H	12.52 23.7	1.1			-	3.0	2.1	5.5	3.0
	Z	12.52 23.9	0.9				10.6	5.5		
13	A	12.56 21.0	0.8			+	2.4	3.3		
	H	12.56 20.4	0.7			+	5.0	4.6	4.1	3.1
	Z	12.56 21.1	1.0			-	4.8	2.6		
13	A	13.57 37.3	0.3				0.3	6.6		
	H	13.57 37.9	0.8			-	0.6	0.2	2.1	2.5
	Z	13.57 38.1	0.7				0.8	0.4		
13	A	16.53 23.0	0.9			+	1.3	2.8		
	H	16.53 22.8	1.0			-	4.0	5.6	5.3	3.3
	Z	16.53 22.8	0.8			-	6.3	4.2		
13	A	17.09 47.1	0.9				1.6	2.5		
	H	17.09 47.8	1.1				1.1	1.3	4.3	2.9
	Z	17.09 46.8	0.7					9.9		
13	A	17.39 12.8	0.6				2.6	5.5		
	H	17.39 12.8	0.7			-	3.3	3.2	3.5	3.0
	Z	17.39 12.8	0.9			-	4.4	3.2		
13	A	17.52 03.4	0.7				3.8	5.3		
	H	17.52 04.0	1.0				1.1	1.9	4.1	3.1
	Z	17.52 03.0	0.6			+	10.8	13.4		
13	A	18.11 10.3	1.2				3.4	8.3		
	H	18.11 09.5	0.8			+	2.6	3.4	5.4	3.5
	Z	18.11 09.9	1.3			+	4.4	2.5		
13	A	18.44 40.0	1.2			+	2.6	5.0		
	H	18.44 39.7	0.7			-	2.7	3.3	4.6	3.3
	Z	18.44 40.6	1.2			+	7.7	6.0		
13	A	18.55 28.8	1.0			+	12.6	8.0		
	H	18.55 28.6	1.0			-	16.0	19.0	5.8	4.2
	Z	18.55 28.7	1.0			-	53.8	28.6		
13	A	19.41 02.8	0.9			+	3.4	3.2		
	H	19.41 02.3	0.7			+	10.0	13.0	4.1	3.5
	Z	19.41 02.7	0.9			-	20.8	8.4		
13	A	21.53 25.3	1.2			+	3.2	2.9		
	H	21.53 24.5	0.7			-	3.1	3.1	4.3	3.2
	Z	21.53 25.6	1.2				11.1	5.0		
13	A	23.07 16.5	0.9			+	1.5	2.6		
	H	23.07 16.3	1.1				3.0	4.7	6.1	3.3
	Z	23.07 16.1	1.0			-	2.7	2.8		
14	A	01.02 25.7	0.7			-	0.8	1.8		
	H	01.02 25.6	0.6			+	2.1	2.7	3.2	2.7
	Z	01.02 26.3	1.1				0.6	2.0		
14	A	01.36 17.4	0.7			+	4.3	4.8		
	H	01.36 17.1	0.8			-	10.8	10.2	4.6	3.5
	Z	01.36 17.4	0.9			-	9.5	5.8		
14	A	02.32 38.2	0.9			+	0.3	1.4		
	H	02.32 38.4	1.3			-	0.6	0.6	3.7	2.6
	Z	02.32 37.4	0.5			+	6.3	7.8		
14	A	02.39 39.1	0.8				1.8	7.6		
	H	02.39 39.1	0.5				6.3	5.5	3.2	3.3
	Z	02.39 39.9	0.1				2.5	3.6		
14	A	03.13 08.8	1.0				1.0	5.8		
	H	03.13 08.2	0.8			+	4.8	6.0	5.3	3.5
	Z	03.13 09.1	1.2			+	5.1	3.7		
14	A	03.25 19.6	0.6				2.5	4.1		
	H	03.25	0.7				0.4	0.4	3.7	2.4
	Z	03.25 20.3	1.0				1.0	1.5		
14	A	04.54 15.7	1.0			+	0.4	1.1		
	H	04.54 16.1	1.2				1.3	1.4	3.5	2.5
	Z	04.54 15.1	0.6			+	4.0	6.2		
14	A	05.28 10.4	1.0				1.2	1.8		
	H	05.28 09.8	0.8			-	8.6	9.8	5.0	3.5
	Z	05.28 10.4	1.1			+	7.8	5.6		
14	A	05.32 32.8	1.0			+	0.4	0.7		
	H	05.32 32.8	0.8			-	2.6	2.2	3.0	2.5
	Z	05.32 32.8	0.8			-	5.0	2.3		
14	A	06.50 48.4	0.8				2.0	4.0		
	H	06.50 48.0	0.6			-	2.7	3.2	3.6	3.0
	Z	06.50 48.6	1.0				4.2	5.0		
14	A	07.19 21.7	0.9			+	13.8	13.7		
	H	07.19 21.5	0.9			-	8.1	9.2	5.7	3.6
	Z	07.19 21.9	1.1			+	4.6	4.8		
14	A	07.29 12.0	1.0			+	1.4	4.1		
	H	07.29 11.8	0.6				3.4	2.9	4.0	3.1
	Z	07.29 12.4	1.1			-	3.4	4.7		
14	A	07.40 26.9	0.7				1.0	1.4		
	H	07.40 26.2	1.0			+	2.0	2.2	2.4	2.7
	Z	07.40 27.0	1.3				2.7	1.8		
14	A	08.30 20.2	0.9			+	1.0	3.8		
	H	08.30 19.9	0.8			-	2.4	1.8	5.1	3.0
	Z	08.30 20.2	1.1			+	1.2	0.8		
14	A	08.33 07.8	1.0			+	1.6	1.3		
	H	08.33 07.2	0.6			-	3.8	4.8	3.4	3.0
	Z	08.33 07.9	1.0			+	3.6	3.6		
14	A	09.35 49.9	1.0			+	2.3	2.8		
	H	09.35 49.7	0.9				7.2	5.6	2.9	3.4
	Z	09.35	0.8				6.4	8.5		
14	A	09.36 39.6	1.0				0.7	1.4		
	H	09.36 38.7	0.7				6.3	9.0	3.8	3.2
	Z	09.36 39.3	0.9			-	4.2	3.2		
14	A	10.01 24.8	0.4			+	1.6	3.4		
	H	10.01 25.1	0.9				0.2	0.4	2.6	2.2
	Z	10.01 25.1	0.7				0.8	0.5		
14	A	10.18 47.3	0.4			-	2.6	12.6		
	H	10.18 47.7	0.8				1.2	1.1	2.8	3.0
	Z	10.18 47.7	0.8				1.9	2.9		
14	A	12.47 18.7	1.0				16.9	4.6		
	H	12.47 18.3	0.8			-	4.4	6.4	5.2	3.9
	Z	12.47 18.8	1.0				4.0	4.4		
14	A	13.01 49.8	0.8			-	8.6	7.8		
	H	13.01 49.9	1.1				4.0	5.4	5.2	3.6
	Z	13.01 49.8	0.8				1.2	1.5		
14	A	14.44 12.7	0.8				4.9	3.0		
	H	14.44 12.4	0.6			+	3.5	3.4	4.0	3.1
	Z	14.44 13.2	1.0			-	0.8	0.6		
14	A	15.21 21.7	0.6				4.3	2.5		
	H	15.21 21.7	0.7			-	3.9	4.4	3.6	3.1
	Z	15.21 22.2	0.8			-	2.4	1.9		
14	A	16.59 39.5	1.0			+	23.8	9.0		
	H	16.59 39.0	0.9				17.0		5.6	4.3
	Z	16.59 39.6	1.0			-	8.6	8.0		
14	A	17.10 47.4	1.0			+	6.8	5.8		
	H	17.10 47.2	0.8			-	6.9	11.5	5.0	3.8
	Z	17.10 47.5	1.0				6.6	4.3		
14	A	17.57 41.3	1.1				5.1	4.3		
	H	17.57 40.7	0.7			+	11.4	15.2	3.9	3.8
	Z	17.57 41.5	1.0			-	13.8	6.4		
14	A	19.37 44.7	1.0				3.8	4.5		
	H	19.37 44.1	0.7			-	9.4	8.8	2.7	3.5
	Z	19.37 44.6	0.9			-	10.0	6.0		
14	A	20.26 39.1	0.6			-	11.1	12.0		
	H	20.26 39.2	0.9				1.1	2.0	4.3	3.3
	Z	20.26 39.5	1.0			-	3.4	3.0		
14	A	21.42 49.4	1.0			-	3.2	4.4		
	H	21.42 48.7	0.6				1.4	1.6	3.8	3.0
	Z	21.42 49.7	1.0			-	2.4	2.7		
14	A	23.08 06.5	1.5				0.8	0.9		
	H	23.08 07.0	1.9				0.3	0.4	6.2	2.7
	Z	23.08 06.4	1.2				3.1	2.3		
14	A	23.11 57.0	0.9				2.2	1.1		
	H	23.11 56.5	0.7			-	1.7	2.7	4.1	2.9
	Z	23.11 57.0	0.9				2.0	3.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	23.15 05.3	1.0				0.6	0.7		
14	H	23.15 05.0	1.3				0.8	1.1	5.9	2.6
	Z	23.15 04.5	0.8				2.7	2.2		
	A	00.24 49.0	1.0				10.5	3.0		
15	H	00.24 49.4	1.3			-	1.2	0.8	5.1	3.4
	Z	00.24 49.6	0.7				4.4	7.7		
	A	00.38 14.3	0.4			-	10.2	27.2		
15	H	00.38 15.2	0.9				1.8	2.3	3.0	3.5
	Z	00.38 15.0	0.8				4.2	5.6		
	A	00.42 25.2	0.7				1.4	3.6		
15	H	00.42 24.7	0.7				2.4	2.8	3.5	3.0
	Z	00.42 25.0	0.8				5.0	2.8		
	A	00.47 29.8	1.0			+	2.3	1.2		
15	H	00.47 29.9	1.5				0.5	0.5	4.1	2.8
	Z	00.47 28.7	0.6				5.0	5.3		
	A	00.51 42.2	1.0				9.8	4.2		
15	H	00.51 41.4	0.8			-	4.8	4.5	5.2	3.6
	Z	00.51 42.0	1.0				3.8	3.9		
	A	02.13 31.2	1.2				39.7	22.0		
15	H	02.13 30.0	0.7			+	23.0	27.8	1.6	4.6
	Z	02.13 31.2	1.1			-	7.2	9.6		
	A	02.17 17.9	0.8				0.9	1.0		
15	H	02.17 18.3	1.5				0.4	0.6	2.5	2.5
	Z	02.17 17.2	0.7			-	8.1	4.7		
	A	02.22 57.4	1.3				3.2	2.6		
15	H	02.22 56.4	0.9				4.2	3.2	6.0	3.4
	Z	02.22 57.9	1.3				4.6	3.3		
	A	02.53 57.7	0.9				9.6	5.6		
15	H	02.53 57.1	0.7				5.0	4.8	4.0	3.5
	Z	02.53 57.9	0.9							
	A	03.55 01.7	1.0				52.3	18.2		
15	H	03.55 01.1	0.8				25.3		4.7	4.6
	Z	03.55 01.8	1.0				21.7	18.7		
	A	03.56 19.3	1.0				3.4	6.3		
15	H	03.56 18.6	0.7				5.4	4.2	3.9	3.4
	Z	03.56 19.5	1.0			-	6.6	5.0		
	A	05.49 48.6	0.6				5.2	7.0		
15	H	05.49 49.4	0.7				0.6	0.4	3.3	2.6
	Z	05.49 49.3	0.8				1.3	2.4		
	A	05.54 51.3	1.0				4.3	2.5		
15	H	05.54 15.7	1.4			-	0.7	0.7	1.5	3.0
	Z	05.54 14.6	0.4			-	12.4			
	A	07.53 47.3	1.5				0.8	1.0		
15	H	07.53 47.7	1.8				0.6	0.6	9.1	2.9
	Z	07.53 47.3	1.3				3.2	3.5		
	A	07.55 26.7	1.3				6.4	6.0		
15	H	07.55 25.9	0.9				6.0	8.2	5.7	3.8
	Z	07.55 26.7	1.2				13.6	4.0		
	A	08.03 19.5	1.4				1.0	2.0		
15	H	08.03 19.9	1.9				1.3	1.4	8.1	3.3
	Z	08.03 19.1	1.2				2.9	3.6		
	A	08.21 19.0	1.0				1.8	5.6		
15	H	08.21 18.2	0.7			+	4.6	3.8	4.4	3.3
	Z	08.21 19.3	1.1			-	3.5	2.6		
	A	09.30 37.7	1.5				2.8	2.6		
15	H	09.30 36.7	1.1			-	5.3	3.6	6.6	3.5
	Z	09.30 38.0	1.9			-	2.0	3.2		
	A	09.42 45.9	1.3				36.8	15.1		
15	H	09.42 45.7	1.4			-	22.2	32.7	8.6	4.9
	Z	09.42 45.5	1.2				56.9	32.8		
	A	12.10 34.2	0.9				0.4	1.2		
15	H	12.10 34.6	1.2				0.9	1.1	5.1	2.7
	Z	12.10 34.1	0.7				6.0	12.0		
	A	12.33	1.3				1.5	3.5		
15	H	12.33 16.6	1.3				5.6	6.2	7.6	3.7
	Z	12.33 16.2	1.1				1.4	1.7		
	A	12.58 19.6	0.9				15.5	8.4		
15	H	12.58	0.7			-	10.1	4.8	4.2	3.9
	Z	12.58 19.5	1.0			-	7.0	5.6		
	A	13.05 37.3	0.9			-	11.2	4.6		
15	H	13.05 37.0	0.6			-	4.8	5.1	4.0	3.6
	Z	13.05 37.6	1.0			-	4.4	3.7		
	A	14.26 13.9	0.5			+	45.0	22.4		
15	H	14.26 14.3	1.1			-	5.2	4.9	3.1	3.9
	Z	14.26 14.1	0.7					21.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	16.16 24.4	0.8			+	6.4	4.2		
15	H	16.16 24.7	1.3			+	2.0	1.8	5.0	3.3
	Z	16.16 24.4	0.8			+		8.1		
	A	16.23 40.1	0.9				1.6	1.4		
15	H	16.23 39.7					1.2	1.2		2.7
	Z	16.23 39.6	0.8				4.8	4.4		
	A	16.50 48.1	0.6				2.6	2.0		
15	H	16.50 48.2	1.0			-	0.8	0.6	3.5	2.5
	Z	16.50 48.2	0.6				2.0	5.6		
	A	17.40 40.5	0.8				1.6	3.6		
15	H	17.40 39.8	0.8			-	2.0	2.2	4.3	3.0
	Z	17.40 40.6	0.9			-	3.9	2.2		
	A	19.56 45.9	1.2			+	9.0	6.3		
15	H	19.56 44.8	0.8			+	6.8	9.4	4.2	3.9
	Z	19.56 45.8	1.1			+	12.2	6.2		
	A	19.58 19.4	0.9			-	2.3	2.6		
15	H	19.58 18.5	0.8			+	4.1	6.3	4.5	3.2
	Z	19.58 19.8	1.3				2.4	2.6		
	A	20.19 17.6	0.7				1.2	4.5		
15	H	20.19 16.4	0.7			-	2.5	2.1	4.0	3.0
	Z	20.19 17.6	1.0			-	1.2	1.7		
	A	20.19 40.4	0.8				0.8	3.3		
15	H	20.19 39.4	0.7			-	2.0	2.2	4.3	2.9
	Z	20.19 40.4	1.0			-	1.8	0.8		
	A	21.09 24.7	0.7				3.4	2.0		
15	H	21.09	0.9				2.0	3.1	4.3	3.1
	Z	21.09 24.3	0.8			-	5.8	5.3		
	A	21.32 48.3	0.5			-	1.4	3.8		
15	H	21.32 48.0	0.7				0.5	0.4	2.6	2.3
	Z	21.32 48.7	0.9				0.5	0.5		
	A	21.51 51.2	0.8			-	2.2	2.0		
15	H	21.51 51.2	0.8			+	2.6	3.0	4.5	2.9
	Z	21.51 51.7	1.1				0.4	0.5		
	A	23.06 46.2	0.6			+	13.1	10.6		
15	H	23.06	0.6			-	4.3	5.7	2.8	3.4
	Z	23.06 46.3	0.8			-	3.2	1.7		
	A	00.42 14.4	0.9				2.4	2.3		
16	H	00.42 14.2	0.7			-	8.7	6.1	3.8	2.9
	Z	00.42 14.3	0.9			-		8.0		
	A	00.54 56.5	1.2			+	8.0	2.8		
16	H	00.54 56.3	1.0			+	4.0	3.3	5.8	3.3
	Z	00.54 56.3	1.1			+	11.7	3.7		
	A	02.09 10.4	1.1				1.1	1.2		
16	H	02.09 09.8	1.2				0.6	0.7	5.1	2.4
	Z	02.09 09.6	0.8			+	5.3	7.6		
	A	02.19 45.6	1.0				3.0	2.6		
16	H	02.19 43.8	1.5				3.9	5.0	6.9	3.2
	Z	02.19 45.3	1.1				2.8	3.0		
	A	02.57 11.5	0.7				2.4	3.8		
16	H	02.57 11.3	0.8				0.6	0.4	4.7	2.2
	Z	02.57 11.9	1.0				3.4	1.4		
	A	03.32 34.3	1.0					0.1		
16	H	03.32 34.0	1.7				0.7	0.6	3.3	1.6
	Z	03.32	0.8				2.8	6.4		
	A	04.51 59.2	0.5			-	1.3	2.5		
16	H	04.51	0.6				1.4	0.9	2.3	2.1
	Z	04.51 59.6	0.9				0.8	0.6		
	A	05.35 28.1	0.6				27.7	18.8		
16	H	05.35 28.2	1.0			+	6.0	6.3	3.8	3.6
	Z	05.35 28.2	0.9			+	13.7	12.6		
	A	06.00 41.1	1.0				11.0	11.8		
16	H	06.00 39.6	1.0				15.3	13.0	6.3	3.7
	Z	06.00 40.8	1.2							
	A	06.02 46.4	1.2				1.5	2.6		
16	H	06.02 44.7	0.9			-	4.3	5.6	6.2	3.1
	Z	06.02 45.9	1.4				1.2	2.8		
	A	08.22 09.3	1.2			+	3.8	2.6		
16	H	08.22	0.8				8.3	4.6	4.1	3.2
	Z	08.22 09.1	1.1			+	10.8	6.6		
	A	09.11 03.2	0.7				3.8	8.5		
16	H	09.11 02.7	0.5			-	5.0	4.7	2.5	2.9
	Z	09.11 03.4	0.9			-	2.8	5.0		
	A	10.11 06.8	0.8				1.8	3.4		
16	H	10.11 06.2	0.7				2.8	3.2	3.3	2.7
	Z	10.11 07.4	0.9				0.5	0.6		

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
16	A	10.15 40.8	0.7				6.0	5.6		
	H	10.15 40.7	1.1				0.7	0.7	4.8	2.6
	Z	10.15 41.3	1.1				2.4	2.3		
16	A	10.55 10.0	0.8				2.7	2.1		
	H	10.55 09.5	0.8			-	2.4	2.9	3.4	2.7
	Z	10.55 10.1	0.8			-	3.6	5.8		
16	A	10.57 13.4	1.1				0.4	0.7		
	H	10.57 13.0	1.3			-	1.3	1.1	5.6	2.4
	Z	10.57 12.7	0.9			+	7.1	5.6		
16	A	12.45 23.6	1.3				2.8	3.1		
	H	12.45 22.3	0.8			+	4.8	6.6	5.4	3.1
	Z	12.45 23.5	1.4			+	3.2	4.2		
16	A	13.17 02.1	0.7				2.8	4.4		
	H	13.17	0.7				3.5	4.4	3.2	2.8
	Z	13.17 02.1	0.9			-	6.0	3.8		
16	A	14.33 35.9	0.4				7.4	9.0		
	H	14.33 36.1	0.8				2.0	1.8	2.2	2.7
	Z	14.33 35.9	0.7			-	2.1	2.4		
16	A	16.25 15.7	0.8				2.9	3.8		
	H	16.25 15.0	0.9			-	2.6	2.8		2.8
	Z	16.25 15.0	0.4					11.7		
16	A	16.26 23.1	0.8				1.7	1.8		
	H	16.26 22.7	0.8			-	2.0	1.6	2.1	2.5
	Z	16.26 22.4	0.6			+	12.4	14.0		
16	A	16.34 00.1	0.7			+	0.8	2.2		
	H	16.33 59.7	0.9			-	1.0	0.9	1.1	2.3
	Z	16.33 59.4	0.4			+	9.0	4.0		
16	A	16.34 02.5	0.8			+	5.0	4.8		
	H	16.34 03.0	0.9			-	3.1	4.2		3.0
	Z	16.34 02.8	0.4			+	9.8	20.6		
16	A	16.37 09.1	0.8				1.2	3.6		
	H	16.37 08.7	0.9			-	1.8	2.4	1.6	2.3
	Z	16.37 08.5	0.5					23.9		
16	A	16.43 16.3	0.8				1.6	3.1		
	H	16.43 15.9	0.9			-	1.5	2.2	2.7	2.7
	Z	16.43 15.7	0.5					15.2		
16	A	16.47 58.6	0.3				4.7	5.4		
	H	16.47 58.6	0.8			-	1.6	1.4	0.5	2.4
	Z	16.47	0.5					24.0		
16	A	17.20 25.4	1.1				2.8	4.4		
	H	17.20 24.3	1.0			+	7.2	7.2	6.6	3.3
	Z	17.20 25.5	1.3			+	3.1	2.4		
16	A	18.43 43.2	1.5				5.5	3.8		
	H	18.43 43.1	1.9			+	2.7	4.1	9.6	3.6
	Z	18.43 42.5	1.5			+	5.6	12.0		
16	A	19.19 37.2	0.9				8.0	7.4		
	H	19.19 36.1	0.8				19.2	22.6	4.6	3.6
	Z	19.19 37.4	1.2				6.0	8.4		
16	A	19.37 36.5	1.1				1.1	2.3		
	H	19.37 35.9	1.3			-	2.8	4.6	7.0	3.1
	Z	19.37 36.0	1.1			+	5.0	11.2		
16	A	20.55 18.5	1.0				4.8	4.0		
	H	20.55 17.0	0.7			-	3.4	3.9	4.1	3.0
	Z	20.55 17.7	1.0			-	3.9	2.6		
16	A	21.50 46.7	1.3			+	4.0	2.7		
	H	21.50 45.3	1.0			-	10.8	10.0	2.8	3.4
	Z	21.50 46.3	1.0			-	8.6	8.2		
16	A	22.41 33.4	1.1				3.6	4.4		
	H	22.41 33.0	1.0			-	10.6	6.3	5.5	3.4
	Z	22.41 33.1	1.0			+	5.6	4.6		
16	A	23.47 31.3	0.8				3.3	3.8		
	H	23.47 31.1	1.5			-	1.2	1.2	3.9	2.8
	Z	23.47 30.8	0.7			+		6.2		
17	A	02.13 11.7	1.0				2.8	2.6		
	H	02.13 10.2	0.7			+	2.4	4.0	5.0	2.9
	Z	02.13 11.7	1.2				5.1	4.3		
17	A	02.34 52.4	0.7			+	51.0	14.1		
	H	02.34 51.3	0.7			-	16.2	12.2	3.8	4.0
	Z	02.34 52.5	1.0			-	43.7	9.3		
17	A	02.44 27.5	0.7			+	7.0	4.9		
	H	02.44 26.4	0.8			-	4.7	5.6	3.8	3.1
	Z	02.44 27.4	0.9				6.7	6.0		
17	A	02.57 39.9	1.6				1.4	1.0		
	H	02.57 39.3	2.0			+	1.0	1.2	9.3	2.9
	Z	02.57 39.3	1.4			+	6.0	3.7		
17	A	03.33 53.0	0.8			-	10.2	10.6		
	H	03.33 52.5	1.1			+	4.4	4.9	5.1	3.[illegible]
	Z	03.33 53.3	1.1			-	14.0	4.3		
17	A	03.49 07.7	0.9			+	6.3	6.2		
	H	03.49 06.1	0.7			-	4.1	2.5	3.9	3.[illegible]
	Z	03.49 07.7	1.0			-	5.4	5.0		
17	A	04.20 18.3	0.6			-	10.0	9.2		
	H	04.20 17.7	1.0				0.9	1.2	4.1	2.[illegible]
	Z	04.20 18.5	0.9			-	2.9	1.8		
17	A	04.49 13.8	0.8			+	8.7	7.4		
	H	04.49 12.6	0.6			-	9.2	5.7	2.6	3.[illegible]
	Z	04.49 13.6	0.8			-	8.2	8.3		
17	A	05.02 23.7	0.7			+	27.1	26.4		
	H	05.02 22.6	0.7			+	24.5	31.0	3.1	4.[illegible]
	Z	05.02 24.0	1.1			-	18.8	16.4		
17	A	06.10 17.4	1.1				1.1	2.0		
	H	06.10 15.9	1.0				3.2	3.6	5.9	2.8
	Z	06.10 16.9	1.1			+	4.8	4.5		
17	A	06.36 55.2	0.8				4.2	1.8		
	H	06.36 53.8	0.8				1.3	2.3	4.3	2.[illegible]
	Z	06.36 55.3	1.0				1.4	2.1		
17	A	06.53 30.3	0.9				1.2	1.2		
	H	06.53 28.3	0.7				1.8	1.4	4.0	2.[illegible]
	Z	06.53 29.9	1.0			-	3.0	3.8		
17	A	06.59 49.1	0.6			+	12.1	11.6		
	H	06.59 48.9	1.0				1.7	2.6	4.0	3.1
	Z	06.59 50.2	1.0				2.1	3.3		
17	A	07.25 18.9	0.9			+	1.1	2.8		
	H	07.25 16.9	0.6				2.4	3.8	3.3	2.[illegible]
	Z	07.25 19.0	1.0				1.5	3.0		
17	A	07.31 25.9	0.9				5.2	4.6		
	H	07.31	1.2			-	1.8	3.3	4.1	3.1
	Z	07.31 24.8	0.6					19.8		
17	A	08.04 34.7	1.0			+	1.0	1.0		
	H	08.04 33.6	1.1			-	1.4	2.4	3.0	2.6
	Z	08.04 33.9	0.6				10.3	13.8		
17	A	10.49 59.8	0.7			-	64.4	39.6		
	H	10.49 59.2	0.7				23.4	30.0	3.5	4.2
	Z	10.50 00.0	0.9				7.8	22.6		
17	A	11.23 52.6	0.7				3.0	12.0		
	H	11.23 52.1	0.7				6.6	7.6	3.3	3.3
	Z	11.23 52.7	0.9			-	5.8	6.3		
17	A	12.08 02.6	0.7				2.1	6.6		
	H	12.08 02.0	0.6			-	4.4	4.3	3.0	3.1
	Z	12.08 02.7	0.9				3.0	4.8		
17	A	12.10 51.4	1.0			+	1.4	1.2		
	H	12.10 51.9	1.4			+	1.3	1.2	5.8	2.6
	Z	12.10 51.1	0.9			-	12.1	9.0		
17	A	13.26 18.8	0.8				1.0	3.2		
	H	13.26 18.6	1.0			-	2.0	1.8	3.9	2.7
	Z	13.26 18.0	0.7			-	8.6	6.0		
17	A	15.32 57.6	0.8			+	1.0	1.8		
	H	15.32 57.7	0.7			-	2.1	2.0	2.7	2.4
	Z	15.32 57.9	0.8			-	2.8	4.0		
17	A	15.50 59.0	0.5			+	2.1	2.4		
	H	15.50 59.1	0.8			+	0.8	1.9	2.9	2.3
	Z	15.50 59.2	0.8				2.3	2.0		
17	A	16.47 58.5	0.6			-	1.6	2.2		
	H	16.47 58.6	0.8				1.0	0.6	3.3	2.2
	Z	16.47 59.1	1.0				0.7	1.8		
17	A	17.15 03.6	1.0			+	6.2	4.6		
	H	17.15 04.0	1.3			-	2.4	2.2	5.4	3.1
	Z	17.15	0.8			+	15.4	38.6		
17	A	17.15 45.6	1.0			+	1.4	2.1		
	H	17.15 45.4	1.3			-	3.8	2.8	5.5	3.0
	Z	17.15 44.9	0.8			+		20.7		
17	A	17.17 48.5	1.5				0.6	0.8		
	H	17.17 48.8	1.9			+	1.2	1.5	9.5	2.7
	Z	17.17 48.0	1.4					7.0		
17	A	17.46 16.1	1.0			+	5.0	2.4		
	H	17.46 15.5	0.9			-	7.5	7.9	5.2	3.3
	Z	17.46 15.9	1.0				6.0	3.0		
17	A	18.28 37.3	1.6			+	0.2	0.6		
	H	18.28 37.6	2.1				0.4	0.4	8.6	2.4
	Z	18.28 36.7	1.4			+	2.8	2.3		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jun. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	18.37 14.5	1.7				0.6	1.4		
17	H	18.37 15.0	2.1				0.8	1.0	9.2	2.9
	Z	18.37 14.1	1.5				4.4	3.2		
	A	18.43 14.8	1.5			+	1.0	2.3		
17	H	18.43 14.9	2.0			+	1.7	1.6	9.1	3.1
	Z	18.43 14.1	1.4			+	3.3	6.8		
	A	19.31 16.7	0.9				1.6	2.5		
17	H	19.31 16.0	0.7			-	3.9	4.0	3.9	2.8
	Z	19.31 16.7	1.0				5.3	4.8		
	A	19.41 38.9	0.8			+	2.2	3.0		
17	H	19.41 39.3	1.1			+	1.4	2.6	4.6	2.8
	Z	19.41 38.3	0.7				9.0	16.2		
	A	20.17 48.0	0.7				2.3	4.8		
17	H	20.17 47.7	0.7				3.3	3.5	3.6	2.8
	Z	20.17 48.2	1.0			-	2.8	2.4		
	A	20.19 11.8	0.8				1.2	4.6		
17	H	20.19 11.3	0.7			-	5.2	4.0	4.0	2.9
	Z	20.19 12.0	1.0			-	2.6	1.8		
	A	21.15 57.7	0.9			+	8.9	7.8		
17	H	21.15 57.3	0.8				15.2	18.4	4.9	3.6
	Z	21.15 57.5	1.1			+	18.4	9.7		
	A	21.34 25.2	1.0				18.6	18.6		
17	H	21.34 25.1	0.8				20.8	14.8	4.3	3.9
	Z	21.34 25.2	1.0			-	19.2	11.0		
	A	21.47 41.0	1.0			+	0.7	2.0		
17	H	21.47 40.3	0.6				1.3	0.8	3.4	2.3
	Z	21.47 40.8	1.0			+	2.4	2.8		
	A	21.57	0.4				0.4	1.0		
17	H	21.57 23.3	0.6			-	4.0	2.3	1.4	2.1
	Z	21.57 23.9	0.9			-	4.0	4.8		
	A	22.18 49.7	0.8			+	1.0	1.4		
17	H	22.18 49.3	0.7					2.8	2.8	2.5
	Z	22.18 49.5	0.7			-	6.0	5.2		
	A	22.28 49.8	0.8				1.6	1.9		
17	H	22.28 49.1	0.6				6.6	6.0	2.8	2.7
	Z	22.28 49.5	0.9			-	6.0	2.0		
	A	22.29 08.7	0.9				4.3	5.0		
17	H	22.29 08.7	0.8				5.4	4.0	4.3	3.1
	Z	22.29 08.6	0.9			-	14.4	9.6		
	A	00.05 42.8	0.8			+	1.6	1.7		
18	H	00.05 42.9	1.0			-	0.6	0.4	0	2.2
	Z	00.05 41.9	0.4					5.5		
	A	00.18 41.8	0.4				1.6	4.3		
18	H	00.18 42.5	1.0				0.6	0.6	2.5	2.2
	Z	00.18 42.3	0.6			+	2.8	5.1		
	A	01.19 10.9	1.0			-	0.4	0.7		
18	H	01.19 11.4	1.2				1.7	2.4	5.1	2.5
	Z	01.19 10.0	0.8			+	6.0	18.3		
	A	01.30 39.3	1.0			+	2.0	4.4		
18	H	01.30 38.8	0.9				3.1	3.0	5.3	3.0
	Z	01.30 38.9	1.0				7.0	10.0		
	A	04.25 20.8	1.6							
18	H	04.25 21.4	2.0				0.6	0.8	9.5	2.7
	Z	04.25 20.4	1.4				2.7	2.9		
	A	06.48 26.7	1.0			+	6.2	4.1		
18	H	06.48 26.9	1.2			-	1.8	1.6	3.6	3.0
	Z	06.48 25.7	0.6					35.8		
	A	06.49 39.6	1.0							
18	H	06.49 39.7	1.3			-	0.6	0.4	2.9	2.1
	Z	06.49 38.4	0.5				8.0	15.4		
	A	07.06 22.9	0.8			+				
18	H	07.06 22.5	0.7			+	2.4	4.0	3.0	2.7
	Z	07.06 23.1	0.8			-	3.4	3.4		
	A	08.21 54.0	0.6							
18	H	08.21 54.1	0.7			-	2.1	3.6	2.8	2.7
	Z	08.21 54.0	0.7			-	5.8	4.7		
	A	08.39 11.1	1.1				2.5	2.3		
18	H	08.39 10.6	0.9			-	4.3	5.8	4.8	3.0
	Z	08.39 11.1	1.0				7.4	4.4		
	A	09.27 39.7	0.7							
18	H	09.27 39.2	0.7			-	1.8	1.7	3.3	2.3
	Z	09.27 39.9	1.0				0.9	2.5		
	A	10.08 39.6	1.3							
18	H	10.08 40.0	1.9			+	0.3	0.5	7.7	2.4
	Z	10.08 39.9	1.2				1.6	2.3		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	10.47 48.5	0.9			+				
18	H	10.47 48.2	0.8				11.6	12.2	2.7	3.0
	Z	10.47 48.1	0.7			+		6.0		
	A	11.48 54.8	1.1				0.4	1.4		
18	H	11.48 54.8	1.3			-	4.0	5.2	6.7	3.0
	Z	11.48 54.5	1.0			-	3.4	4.4		
	A	12.01 08.5	0.8			+	4.4	12.4		
18	H	12.01 08.0	0.6				7.0	8.3	3.8	3.4
	Z	12.01 08.9	1.0			-	4.2	4.2		
	A	14.03 57.7	1.1				4.3	4.4		
18	H	14.03 57.1	1.0			+	6.4	5.3	6.4	3.2
	Z	14.03 57.9	1.2			+	2.6	3.4		
	A	14.05 38.9	1.0				1.5	3.2		
18	H	14.05 38.5	0.8			+	1.8	2.6	5.3	2.8
	Z	14.05 39.2	1.3				1.6	1.1		
	A	14.12 25.5	0.4			-	3.5	5.2		
18	H	14.12 26.1	0.9			+	1.9	1.6	2.7	2.5
	Z	14.12 26.1	0.8				1.6	3.3		
	A	14.43 33.7	0.8				2.1	3.9		
18	H	14.43 33.6	0.7			-	6.5	4.4	3.6	3.0
	Z	14.43 32.9	0.9			-	4.4	4.3		
	A	14.49 02.5	0.5			+	3.0	4.1		
18	H	14.49 02.0	0.8			-	4.4	7.0	1.5	2.9
	Z	14.49 02.1	0.5			-		8.2		
	A	15.02 22.2	1.1			+	1.1	3.3		
18	H	15.02 21.9	0.8			+	1.8	1.6	5.5	2.7
	Z	15.02 22.6	1.3				1.8	0.9		
	A	16.35 39.3	1.0			+	9.0	9.6		
18	H	16.35 38.8	0.9			-	16.8	24.0	5.2	3.8
	Z	16.35 39.2	1.0				10.2	11.4		
	A	17.00 08.4	1.0				0.3	0.4		
18	H	17.00 08.0	1.6				0.6	0.8	4.5	2.1
	Z	17.00 08.6	1.5				0.4	0.4		
	A	17.12 16.8	0.9			+	1.5	2.7		
18	H	17.12 16.1	0.6				3.8	2.8	3.1	2.6
	Z	17.12 16.7	0.9				2.7	3.8		
	A	17.54 42.2	0.9				3.1	8.4		
18	H	17.54 41.6	0.8				12.8	8.0	4.6	3.5
	Z	17.54 42.2	1.0			-		6.8		
	A	19.28 40.6	1.6				0.4	0.9		
18	H	19.28 39.5	1.1				1.2	2.3	6.9	2.7
	Z	19.28 41.1	1.8				0.2	0.4		
	A	20.36 51.4	0.9				0.8	2.0		
18	H	20.36 50.9	0.7				8.4	11.7	3.8	2.7
	Z	20.36 51.2	0.9				7.5	4.6		
	A	20.40 31.0	1.0				0.9	1.8		
18	H	20.40 31.6	1.3				0.6	0.8	4.6	2.5
	Z	20.40 30.8	0.7				6.6	5.4		
	A	21.35 06.1	1.0			+	5.5	15.0		
18	H	21.35 06.1	1.1			-	7.7	9.1	5.6	3.7
	Z	21.35 05.6	0.9				6.0	21.1		
	A	21.42 33.9	1.1			+	2.6	6.9		
18	H	21.42 33.5	1.0				10.8	15.0	6.4	3.7
	Z	21.42 33.6	1.2				6.0	6.0		
	A	22.46 50.5	1.2				0.6	0.8		
18	H	22.46 50.5	1.1			-	2.5	1.8	5.5	2.5
	Z	22.46 50.3	1.0				4.0	1.8		
	A	23.24 43.1	1.1				2.9	4.2		
18	H	23.24 42.8	0.9				8.5	5.4	5.0	3.2
	Z	23.24 43.1	1.0			-	7.0	3.6		
	A	23.50 42.3	0.9				1.0	2.0		
18	H	23.50 41.9	1.0			-	1.3	1.1	5.6	2.5
	Z	23.50 42.2	1.1				7.5	3.6		
	A	00.32 14.9	0.8					1.8		
19	H	00.32 14.7	0.9			+	3.0	4.2	5.0	2.7
	Z	00.32 15.2	1.2			-	1.9	2.0		
	A	00.58 37.8	1.3			+	0.8	1.6		
19	H	00.58 37.3	1.0			+	1.0	1.0	3.8	2.5
	Z	00.58	1.0				2.4	1.9		
	A	01.02 23.9	1.1				0.8	2.4		
19	H	01.02 23.6	1.0				2.7	2.8	5.9	2.9
	Z	01.02 23.5	1.1				6.7	6.6		
	A	01.30 35.1	0.6				4.8	5.0		
19	H	01.30 35.9	0.8				3.0	4.4	2.9	2.8
	Z	01.30 35.4	0.7			-	4.5	2.6		

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.04 37.3	0.6				2.2	2.6		
19	H	02.04 37.7	0.9			-	2.6	3.5	2.5	2.7
	Z	02.04 36.8	0.5				9.6	21.2		
	A	04.08 15.5	0.6				24.8	35.3		
19	H	04.08 16.2	1.2			+	6.6	7.2	3.9	3.8
	Z	04.08 15.4	0.8				25.6	25.4		
	A	04.37 10.3	1.0				2.6	7.6		
19	H	04.37 09.9	0.9			+	13.2	35.0	4.9	3.9
	Z	04.37 10.3	1.0			-	22.6	10.9		
	A	04.55 54.7	0.9				12.1	26.7		
19	H	04.55 54.5	0.8				19.0	32.8	5.0	4.2
	Z	04.55 55.2	1.2			-	5.5	7.7		
	A	05.05 58.1	0.7				4.3	8.4		
19	H	05.05 58.2	0.9				1.2	1.6	4.3	2.8
	Z	05.05 58.5	1.0				3.3	1.5		
	A	05.12 05.8	0.7				1.0	2.0		
19	H	05.12 06.2	1.0			-	15.2	2.0	4.1	3.1
	Z	05.12 05.6	0.7				6.2	5.8		
	A	05.20 25.9	0.7				22.0	44.2		
19	H	05.20 26.3	1.0				4.7	7.6	4.8	3.9
	Z	05.20 26.6	1.0			-	7.4	4.8		
	A	05.22 53.3	0.7				7.7	17.4		
19	H	05.22 53.8	0.9				1.7	3.0	3.0	3.2
	Z	05.22	0.6				11.0	6.4		
	A	06.00 52.0	0.6				2.5	3.1		
19	H	06.00 52.4	0.9			-	2.2	2.1	2.6	2.6
	Z	06.00 51.7	0.5				11.0	7.5		
	A	06.20 10.9	0.5				16.5	20.6		
19	H	06.20 12.2	1.0				3.4	5.4	3.2	3.4
	Z	06.20 11.5	1.0				4.5	2.3		
	A	06.27 53.7	0.6				3.5	8.0		
19	H	06.27 54.2	0.9				0.4	0.7	3.4	2.5
	Z	06.27 54.3	2.0			-	2.2	1.4		
	A	06.31 48.3	0.7			+	4.7	6.0		
19	H	06.31 48.3	0.9			-	4.0	4.0	3.2	3.0
	Z	06.31 47.6	0.6				14.9	25.8		
	A	06.33 49.6	0.6				1.2	1.4		
19	H	06.33 49.9	1.0			-	1.2	1.6	2.9	2.3
	Z	06.33 49.2	0.5			-	10.7	7.4		
	A	06.43 02.9	0.6			+	22.6	32.8		
19	H	06.43 03.2	0.9			+	5.1	6.6	3.9	3.6
	Z	06.43 03.2	1.0			-	10.8			
	A	07.28 54.4	0.9				4.0	4.4		
19	H	07.28 53.9	0.7			-	6.6	6.7	2.8	3.1
	Z	07.28 54.8	0.8			-	7.7	4.4		
	A	07.45 05.3	0.8				0.6	1.4		
19	H	07.45 05.4	0.9			-	0.5	0.4	2.1	2.0
	Z	07.45 04.5	0.5			+	6.6	5.6		
	A	07.46 11.9	0.7			+	0.8	2.0		
19	H	07.46 11.6	0.9			-	0.7	0.9	2.2	2.3
	Z	07.46 10.7	0.5			-	6.8	14.0		
	A	08.34 29.0	1.1				0.8	4.3		
19	H	08.34 28.5	0.9			+	3.6	3.7	5.6	3.0
	Z	08.34 28.9	1.2			+	2.5	3.0		
	A	09.13 54.8	1.2				1.2	2.6		
19	H	09.13 54.0	1.0				12.4	21.2	5.2	3.5
	Z	09.13 54.5	1.1				2.4	3.4		
	A	09.18 06.4	0.9			+	13.2	7.8		
19	H	09.18 06.0	0.9			-	19.8	15.4	4.1	3.8
	Z	09.18 06.2	0.8					10.2		
	A	09.18 35.2	1.0				2.8	6.7		
19	H	09.18 34.8	1.2			-	10.0	16.2	6.4	3.7
	Z	09.18 34.3	1.0			+	7.8	9.2		
	A	09.20 13.2	0.9				0.8	1.2		
19	H	09.20 13.9	1.3			-	1.0	0.9	3.9	2.4
	Z	09.20 12.9	0.6				4.8	6.1		
	A	09.28 23.6	0.9				1.6	2.3		
19	H	09.28 23.2	0.9				2.4	3.6	5.0	3.0
	Z	09.28 23.3	1.0				5.0	4.2		
	A	09.37 42.0	0.7				2.0	5.7		
19	H	09.37 42.6	0.8				0.6	0.6	4.0	2.3
	Z	09.37 42.5	1.0			-	2.0	2.2		
	A	09.38 27.9	0.6				3.4	6.3		
19	H	09.38	1.0				0.6	0.6	4.0	2.4
	Z	09.38 28.2	1.0				1.6	2.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	10.12 31.6	1.0				0.6	1.8		
19	H	10.12 31.3	1.0			+	1.8	2.4	5.6	2.
	Z	10.12 31.2	1.0			-	5.1	4.8		
	A	11.24 59.5	0.9			+	0.5	1.6		
19	H	11.24 58.8	0.5				3.6	3.2	1.6	2.
	Z	11.24 59.5	0.8				3.0	2.9		
	A	11.36 05.3	0.4				5.6	8.4		
19	H	11.36 06.0	1.0			+	7.6	5.2	2.8	3.
	Z	11.36 05.5	0.7				16.0	13.0		
	A	11.36 24.9	0.4				3.0	6.0		
19	H	11.36 25.9	0.9			+	2.0	1.9	2.5	2.
	Z	11.36 25.2	0.7				10.8	4.6		
	A	11.42 01.3	0.8				1.6	6.2		
19	H	11.42 00.0	0.5			+	6.9	6.5	3.1	3.
	Z	11.42 01.4	1.0			-	4.6	1.6		
	A	12.51 50.0	0.7				0.7	1.4		
19	H	12.51 50.2	1.4				0.4	0.4	2.8	2.
	Z	12.51 49.2	0.6				11.9	6.0		
	A	13.13 35.0	0.9			+	4.7	6.8		
19	H	13.13 34.7	0.9				8.3	6.3	5.2	3.
	Z	13.13 34.9	1.0			-	9.8	10.7		
	A	15.25 32.6	0.9				4.6	5.3		
19	H	15.25 32.1	0.9				4.2	5.8	5.2	3.
	Z	15.25 32.4	1.0				4.9	5.5		
	A	16.25 10.3	0.7			+	10.6	10.9		
19	H	16.25 10.9	1.0				1.0	0.8	4.4	2.
	Z	16.25 10.8	0.9			-	3.6	16.6		
	A	17.14 37.5	0.9			+	0.6	1.0		
19	H	17.14 37.2	0.8				3.0	3.7	4.3	2.
	Z	17.14 37.4	1.0			+	2.6	5.4		
	A	18.37 39.4	0.7			+	33.4	37.2		
19	H	18.37 40.1	0.9				4.6	6.0	3.9	3.
	Z	18.37 40.4	1.2			-	4.4	11.0		
	A	18.52 14.1	0.7			+	16.0	15.4		
19	H	18.52 14.3	1.0				2.5	4.3	4.8	3.
	Z	18.52 14.5	1.0			-	3.3	6.8		
	A	18.54 09.6	0.9				5.6	8.7		
19	H	18.54 09.0	0.7			-	11.0	8.4	4.2	3.
	Z	18.54 09.6	1.0				6.4	9.6		
	A	22.05 07.9	0.5				2.4	2.2		
19	H	22.05 08.4	0.8				0.4	0.3	3.1	1.
	Z	22.05 08.4	0.8			-	1.8	3.0		
	A	23.45 20.6	1.2			+	1.2	2.2		
19	H	23.45	1.0				1.4	1.6	5.9	2.
	Z	23.45 20.9	1.2					3.0		
	A	01.33 37.6	0.9			-	0.8	1.8		
20	H	01.33 37.3	0.9			+	3.2	2.6	0	2.
	Z	01.33 38.4	1.5				0.9	1.6		
	A	02.00 04.4	1.0				1.1	1.4		
20	H	02.00 04.0	1.0			-	3.6	2.3	5.8	2.
	Z	02.00 04.4	1.1			+	4.6	5.5		
	A	02.01 43.8	0.7			-	12.5	13.8		
20	H	02.01 43.9	1.0				2.4	3.2	4.7	3.
	Z	02.01 44.2	1.1			-	2.8	3.3		
	A	02.48 34.1	1.1				2.0	3.3		
20	H	02.48 33.9	1.0				4.0	4.2	6.3	3.
	Z	02.48 33.9	1.2			+	4.5	9.2		
	A	02.49 59.8	1.2				0.6	2.0		
20	H	02.49 59.1	1.0			+	3.2	3.7	6.3	2.
	Z	02.49 59.7	1.2			+	3.4	5.0		
	A	03.08 51.1	0.8				1.7	5.0		
20	H	03.08 50.8	0.7			-	2.2	2.6	3.8	2.
	Z	03.08 51.2	1.1				2.2	3.0		
	A	03.13 24.1	0.9			-	0.6	2.5		
20	H	03.13 24.6	1.3			-	1.0	1.0	4.2	2.
	Z	03.13 23.6	0.6				3.6	4.0		
	A	03.40 36.2	0.7				1.1	1.4		
20	H	03.40 35.7	0.7			-	5.0	7.6	3.5	2.
	Z	03.40 36.0	1.0				6.1	5.3		
	A	05.44 38.6	0.8			-	1.8	7.0		
20	H	05.44 37.8	1.1				4.0	3.4	5.5	2.
	Z	05.44 39.0	1.0				0.9	1.5		
	A	05.46 11.3	0.8			+	0.4	1.8		
20	H	05.46 11.0	0.7			-	2.6	2.0	3.8	2.
	Z	05.46 11.2	0.9			-	4.1	6.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
20	A	06.02 39.6	1.0				0.2	1.0		
	H	06.02 38.6	1.5				1.4	1.7	6.8	2.6
	Z	06.02 39.7	1.1				0.5	2.0		
20	A	06.30 49.6	0.9				1.6	2.2		
	H	06.30 49.3	0.9			-	3.8	3.6	5.0	2.8
	Z	06.30 49.5	1.0			-	3.1	5.0		
20	A	06.57 52.7	1.0				12.2	11.0		
	H	06.57 52.4	0.9			-	9.6	16.0	5.2	3.8
	Z	06.57 52.7	1.0				9.1	13.5		
20	A	07.33 30.7	1.0			-	4.5	6.0		
	H	07.33 30.7	1.2			-	2.8	4.9	6.3	3.3
	Z	07.33 29.9	1.0			+	17.0			
20	A	07.42 06.2	0.8				2.0	3.5		
	H	07.42 06.7	1.1				0.9	1.4	5.0	2.7
	Z	07.42 05.8	0.8			+	3.0	7.2		
20	A	08.10 05.0	1.5			+	1.2	2.6		
	H	08.10 05.5	2.0			+	2.0	2.4	9.0	3.2
	Z	08.10 04.6	1.4			+	4.9	7.8		
20	A	08.21 08.0	1.0			+	1.4	3.6		
	H	08.21	0.8				3.0	2.7	4.9	2.9
	Z	08.21 08.3	1.1				3.1	2.6		
20	A	08.39 39.2	0.5			-	0.7	3.0		
	H	08.39 39.6	0.6			+	1.8	1.0	2.2	2.3
	Z	08.39 40.0	0.9			-	0.7	1.1		
20	A	09.36 27.5	0.6			-	1.6	3.6		
	H	09.36 27.0	0.6				5.6	7.4	2.3	2.8
	Z	09.36 28.0	0.9				4.3	3.8		
20	A	09.46 19.3	0.6				6.0	4.4		
	H	09.46 19.6	0.8				8.6	9.0	3.3	3.1
	Z	09.46 20.0	1.0			+	6.0	5.2		
20	A	09.59 57.6	1.1				1.4	2.8		
	H	09.59 58.8	1.7			-	6.1	6.2	5.9	3.3
	Z	09.59 57.2	1.1				6.4	12.3		
20	A	10.06 11.8	1.3				3.4	3.6		
	H	10.06 12.5	1.9				6.0	6.3	5.7	3.5
	Z	10.06 11.4	1.0			+	12.8	16.0		
20	A	10.25 45.1	0.5			-	7.1	12.3		
	H	10.25 45.4	1.0				1.4	2.0	3.6	3.0
	Z	10.25 45.5	1.0			-	1.6	2.1		
20	A	11.07 12.1	0.9			+	0.6	0.9		
	H	11.07 11.6	0.7				3.4	3.0	1.3	2.3
	Z	11.07 12.4	0.7					3.4		
20	A	11.43 42.7	0.8			-	2.6	10.1		
	H	11.43 42.2	0.6				2.6	2.1	3.7	2.9
	Z	11.43 43.0	1.1				2.2	1.4		
20	A	12.30 58.3	1.3				0.8	3.2		
	H	12.30 57.3	0.8			+	1.2	1.6	5.1	2.6
	Z	12.30 58.4	1.4				3.5	3.1		
20	A	13.18 19.0	1.2				0.8	1.4		
	H	13.18 18.1	0.8			+	1.4	0.9	4.7	2.5
	Z	13.18 19.2	1.2				2.4	0.7		
20	A	13.35 46.2	0.9				0.6	2.0		
	H	13.35 46.8	1.4			-	1.0	1.1	5.3	2.6
	Z	13.35 45.9	0.8			+	4.2	3.8		
20	A	14.03 03.9	0.7				0.5	4.0		
	H	14.03 03.6	0.6				2.2	2.4	3.1	2.6
	Z	14.03 04.3	1.0				1.1	1.7		
20	A	14.03 42.7	0.7				0.8	5.7		
	H	14.03 42.2	0.6				2.8	3.0	2.8	2.7
	Z	14.03 42.7	1.0				2.8	5.1		
20	A	14.49 03.5	1.1			+	4.6	11.6		
	H	14.49 03.3	1.0			-	7.9	8.5	5.6	3.6
	Z	14.49 03.3	1.0			+		31.6		
20	A	15.42 10.2	0.7				5.0	7.3		
	H	15.42 10.2	0.8			-	4.8	4.4	3.9	3.0
	Z	15.42 10.4	0.9			-	11.0	8.0		
20	A	15.43 25.3	1.5				1.0	1.8		
	H	15.43 25.6	1.8			+	1.8	1.7	8.2	3.0
	Z	15.43 24.8	1.2			+	2.8	5.4		
20	A	18.11 57.2	0.7			-	0.6	3.8		
	H	18.11 57.1	0.7			-	3.6	4.0	3.2	2.8
	Z	18.11 57.7	0.8			-	3.7	3.6		
20	A	18.36 05.9	0.6				6.9	14.6		
	H	18.36 06.4	1.0				0.4	0.6	4.2	2.7
	Z	18.36 06.5	0.9			-	6.2	4.6		
20	A	19.07 43.2	0.8			-	1.2	4.1		
	H	19.07 42.9	0.8				2.8	3.4	2.5	2.9
	Z	19.07	0.7				0.8	1.6		
20	A	19.23 29.7	0.9				1.9	3.8		
	H	19.23 28.9	0.8			+	2.8	5.5	5.0	3.0
	Z	19.23 29.9	1.2			-	3.5	2.2		
20	A	20.29 40.0	1.5				1.9	3.3		
	H	20.29 40.9	1.9			+	2.4	2.6	9.0	3.3
	Z	20.29 39.9	1.3				5.3	6.0		
20	A	21.30 03.5	0.8				1.7	4.4		
	H	21.30 03.3	0.7			+	7.5	8.6	3.9	3.1
	Z	21.30 04.1	1.1				2.8	3.8		
21	A	00.37 11.1	0.6				8.7	10.0		
	H	00.37 12.0	1.2				2.0	2.0	4.0	3.0
	Z	00.37 11.2	0.8			+	6.9	4.2		
21	A	01.10 25.2	1.0				2.8	2.5		
	H	01.10 25.3	0.7				4.0	2.8	4.1	2.8
	Z	01.10 25.7	1.0				4.4	6.2		
21	A	01.33 58.7					9.3	9.4		
	H	01.33 59.2					0.6	0.5		2.1
	Z	01.33 58.6					10.7	24.3		
21	A	02.00 27.6	0.8				0.3	4.7		
	H	02.00 27.4	0.6				2.8	3.0	3.2	2.7
	Z	02.00 28.4	1.0			-	3.0	0.6		
21	A	02.18 14.1	0.4			+	25.6	9.4		
	H	02.18 14.6	0.9				2.3	2.8	2.7	3.2
	Z	02.18 14.6	0.8			-	1.7	3.6		
21	A	03.01 35.8	0.4				1.6	3.0		
	H	03.01 36.6	0.9				5.2	7.3	2.6	2.8
	Z	03.01 36.3	0.7				7.0	6.7		
21	A	03.01 41.2	0.5			+	1.7	3.1		
	H	03.01 41.9	0.9				2.6	3.5	3.2	2.7
	Z	03.01 41.6	0.7			-	4.3	4.6		
21	A	04.23 10.0	0.7			+	21.8	42.6		
	H	04.23 10.4	0.9				2.6	2.6	3.9	3.5
	Z	04.23 10.4	0.8				7.7	3.8		
21	A	05.45 26.3	0.7				1.0	3.9		
	H	05.45 26.2	0.6				2.0	2.8	3.1	2.6
	Z	05.45 26.9	1.0				2.4	3.8		
21	A	05.47 56.2	1.1			+	3.7	5.1		
	H	05.47	0.9			+	4.0	4.2	5.9	3.1
	Z	05.47 57.0	1.2				4.9	4.0		
21	A	06.16 11.1	0.8				0.4	3.4		
	H	06.16 11.1	0.7				2.4	3.0	4.2	2.7
	Z	06.16 11.8	1.0				1.1	0.4		
21	A	06.28 28.4	0.6			-	1.8	6.4		
	H	06.28 28.4	0.7				2.3	2.8	3.1	2.7
	Z	06.28 28.9	1.0			-	2.1	3.5		
21	A	07.20 49.5	0.7				3.1	3.8		
	H	07.20 49.0	0.6				0.4		2.7	2.0
	Z	07.20 50.1	1.1			-	1.9	2.2		
21	A	07.20 51.9	0.6				1.4	6.6		
	H	07.20 50.9	0.5				0.9	1.1	1.0	3.0
	Z	07.20 52.4	0.8			-	2.6	1.8		
21	A	07.23 23.1	1.0			+	2.0	5.4		
	H	07.23 23.0	0.7				2.7	4.5	2.8	3.0
	Z	07.23 23.2	0.9			-	3.0	2.5		
21	A	08.22 50.3	0.9			-	1.7	2.8		
	H	08.22 51.0	1.3				2.2	2.9	5.2	2.9
	Z	08.22 50.2	0.8				3.2	10.8		
21	A	11.16 00.2	0.9			+	9.2	5.5		
	H	11.16 00.1	1.0				9.8	9.8	5.3	3.5
	Z	11.16 00.5	1.0			-	8.6	5.1		
21	A	12.20 00.6	0.8				1.0	5.0		
	H	12.20 00.2	0.7				1.3	1.7	4.4	2.7
	Z	12.20 01.3	1.1			-	3.3	3.0		
21	A	13.12 07.7	0.8				3.2	5.1		
	H	13.12 08.2	1.2				1.0	1.1	3.5	2.7
	Z	13.12 07.2	0.5				9.2	8.6		
21	A	13.18 20.5	1.0			+	0.5	1.5		
	H	13.18 20.1	1.0				3.0	2.3	5.9	2.7
	Z	13.18 20.3	1.1			+	5.6	6.4		
21	A	17.04 29.5	0.6				6.0	7.9		
	H	17.04 29.7	0.7			-	3.6	5.8	3.1	3.0
	Z	17.04 29.9	0.8					5.5		

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	17.45 43.3	1.0			+	1.4	2.5		
21	H	17.45 42.8	0.7			-	5.6	5.4	3.8	2.9
	Z	17.45 43.5	1.0			-	6.9	3.9		
	A	18.03 31.9	0.9				6.8	7.3		
21	H	18.03 32.3	1.4			+	4.0	5.3	6.1	3.4
	Z	18.03 31.9	1.0			+		9.2		
	A	19.02 51.1	0.4			+	6.6	5.9		
21	H	19.02 52.0	0.8			-	4.4	5.6	2.4	2.9
	Z	19.02 51.8	0.7				6.6	9.5		
	A	19.06 09.7	0.4			+	2.0	3.9		
21	H	19.06 10.5	0.8				1.4	2.2	2.0	2.4
	Z	19.06 10.2	0.7				2.2	3.4		
	A	19.43 52.1	0.5				4.7	9.0		
21	H	19.43 52.9	0.9			-	4.2	4.5	2.8	3.0
	Z	19.43 52.7	0.7				8.0	4.8		
	A	19.48 48.8	0.9				0.3	2.6		
21	H	19.48 48.2	0.6				1.8	2.0	3.7	2.5
	Z	19.48 49.3	1.0				2.0	0.6		
	A	20.13 19.7	1.0				0.5	2.2		
21	H	20.13 19.1	0.9			-	3.4		5.4	2.8
	Z	20.13 19.7	1.1				0.9	0.8		
	A	20.49 20.7	1.0				1.0	1.8		
21	H	20.49 21.0	1.1			-	2.1	2.9	5.6	2.7
	Z	20.49 20.4	0.9			-		19.5		
	A	21.20 40.4	0.5			+	15.8	17.6		
21	H	21.20 41.0	1.1			+	3.4		3.4	3.2
	Z	21.20 41.1	0.9			+	10.5	11.6		
	A	21.22 52.3	0.9			-	3.8	6.2		
21	H	21.22 52.9	1.1			+	10.0	6.7	5.4	3.4
	Z	21.22 53.0	1.4			-	4.8	3.2		
	A	21.22 59.2	1.0			-	1.6	3.3		
21	H	21.22 59.9	1.0			+	5.0	4.9	5.7	3.0
	Z	21.23 00.1	1.4			-	2.4	2.7		
	A	21.30 35.4	1.0				0.8	1.5		
21	H	21.30 35.0	1.0				2.4	2.2	5.7	2.6
	Z	21.30 35.5	1.1				6.4	6.4		
	A	21.34 30.0	0.6				4.6	7.0		
21	H	21.34 30.8	1.0				0.9	1.0	4.1	2.7
	Z	21.34 30.5	0.9			+	6.7	5.0		
	A	21.51 09.6	0.4				5.0	14.2		
21	H	21.51 10.4	0.7				0.8	0.9	2.2	2.5
	Z	21.51 10.3	0.8			-	1.1	1.7		
	A	21.53 07.9					1.7	5.0		
21	H	21.53 08.4	1.3				0.4	0.4		2.2
	Z	21.53 08.6	1.0				0.4	0.6		
	A	21.57 03.1	1.2				2.9	3.2		
21	H	21.57 01.8	1.0				4.8	4.9	6.3	3.1
	Z	21.57 03.4	1.2			+	8.0	4.4		
	A	22.05 13.1	1.1				51.0	68.0		
21	H	22.05 12.1	0.5					48.0	3.0	4.6
	Z	22.05	1.3					46.0		
	A	22.06 58.4	1.1				45.0	44.0		
21	H	22.06	0.5					46.0	2.6	4.5
	Z	22.06	1.2			+	42.0	61.0		
	A	22.28 04.5	0.9			+	2.0	4.0		
21	H	22.28 04.2	0.5				3.0	2.0	2.9	2.7
	Z	22.28 05.0	1.0					2.0		
	A	23.11 40.4	0.8				0.8	2.4		
21	H	23.11 39.4	0.7				2.0	2.0	3.3	2.4
	Z	23.11 40.3	0.9				1.6	2.1		
	A	23.14 32.3	0.7				0.8	4.3		
21	H	23.14 31.8	0.5			-	2.9	2.7	2.6	2.6
	Z	23.14 32.6	0.9			-	1.8	1.2		
	A	23.33 38.0	1.0			+	0.8	2.4		
21	H	23.33 37.6	0.5				3.6	4.3	1.8	2.7
	Z	23.33 38.4	0.9				2.8	3.5		
	A	00.24 19.1	0.9			+	0.9	1.9		
22	H	00.24 18.9	0.6				2.2	2.9	4.0	2.5
	Z	00.24 18.7	1.2			-	1.9	1.4		
	A	00.34 15.3	0.9			+	0.8	3.3		
22	H	00.34 15.1	0.6				7.0	4.2	3.9	2.9
	Z	00.34 15.7	1.1			-	4.4	6.6		
	A	01.21 52.5	0.9				0.4	0.6		
22	H	01.21 52.1	0.7			-	1.0	1.5	4.0	2.1
	Z	01.21 52.9	1.0				1.0	0.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.00 40.9	0.5				2.6	3.0		
22	H	02.00 41.3	0.6				0.9	1.0	2.0	2
	Z	02.00 41.5	0.9				0.7	1.6		
	A	03.37 52.7	0.7				1.7	2.8		
22	H	03.37 52.6	0.7			-	2.0	3.0	3.5	2
	Z	03.37 53.2	0.8			-	6.2	3.2		
	A	03.53 53.0	1.1				15.6	12.2		
22	H	03.53 53.0	1.2				16.6	14.2	6.2	4
	Z	03.53 53.5	1.0					28.2		
	A	04.49 23.1	0.7			+	0.7	4.0		
22	H	04.49 23.0	0.8			-	1.8	2.7	3.9	2
	Z	04.49 23.4	0.9			-	3.8	3.4		
	A	07.12 41.1	0.9				1.0	3.4		
22	H	07.12					0.8	0.6		2
	Z	07.12 41.6	1.1				1.2	1.1		
	A	09.25 57.5	1.1				0.9	1.6		
22	H	09.25	0.9				2.2	2.9	5.7	2
	Z	09.25 57.8	1.2				4.0	3.2		
	A	11.35 08.8	1.2				0.6	2.0		
22	H	11.35 08.3	0.9			+	2.8	3.0	5.3	2
	Z	11.35 09.0	1.2				4.0	1.7		
	A	13.57 55.6	0.9			+	0.8	1.6		
22	H	13.57 55.3	1.0				1.4	2.0	3.7	2
	Z	13.57 55.5	0.7				8.1	6.3		
	A	14.20 28.1	0.9				1.8	4.3		
22	H	14.20 27.8	1.0			-	6.3	10.3	5.6	3
	Z	14.20 28.5	1.0			-	5.2	5.0		
	A	14.20 56.7	0.9				0.8	3.2		
22	H	14.20 56.2	0.5				1.7	1.7	3.4	2
	Z	14.20 57.4	1.1			-		3.0		
	A	15.29 56.5	0.6				1.7	7.7		
22	H	15.29 56.2	0.6			-	4.0	5.3	2.8	3
	Z	15.29 56.6	1.0			-	4.2	3.7		
	A	18.45 11.4	1.0				5.4	6.7		
22	H	18.45 10.5	0.5			+	17.4	32.8	2.7	3
	Z	18.45 12.1	1.0			-	1.5	2.8		
	A	19.04 08.8	0.8				0.8	1.7		
22	H	19.04 09.3	1.5				1.0	1.1	2.9	2
	Z	19.04 08.6	0.6				9.9	8.8		
	A	19.20 22.4	1.1			+	1.0	4.4		
22	H	19.20 21.6	0.7			+	4.7	4.6	4.8	3
	Z	19.20 22.7	1.3			-	3.4	3.3		
	A	20.06 23.3	1.1				0.8	1.4		
22	H	20.06 22.7	0.8			+	3.9	3.1	4.7	2
	Z	20.06 23.6	1.1				2.7	4.2		
	A	20.17 44.7	1.0				0.8	2.6		
22	H	20.17 44.0	0.7				3.0	3.8	4.5	2
	Z	20.17 45.0	1.1			-	7.0	4.8		
	A	22.33 43.5	1.0				0.4	1.0		
22	H	22.33 43.8	1.0				0.5	0.5	3.5	2
	Z	22.33 42.9	0.7				10.9	14.4		
	A	01.15 39.0	1.4				0.5	1.1		
23	H	01.15 39.6	1.9				0.7	0.8	7.6	2
	Z	01.15 38.7	1.2				1.6	4.4		
	A	01.37 26.6	0.3				3.1	5.1		
23	H	01.37 26.9	0.9				0.3	0.4	2.0	2
	Z	01.37 27.1	0.7				0.8	0.4		
	A	02.44 10.6	1.3				0.4	2.0		
23	H	02.44 09.7	1.0			+	1.6	2.0	6.4	2
	Z	02.44 10.5	1.3				2.0	1.9		
	A	02.44 39.5	0.7				1.4	2.4		
23	H	02.44 39.1	0.6			-	2.6	3.3	3.2	2
	Z	02.44 39.4	0.9			-	6.0	2.4		
	A	04.11 26.7	1.0				1.1	3.8		
23	H	04.11 26.2	0.8			+	10.6	16.0	5.1	3
	Z	04.11 26.7	1.1			-	9.0	9.6		
	A	04.15 44.2	1.1			+	0.7	1.0		
23	H	04.15 43.8	0.8				3.0	3.1	5.0	
	Z	04.15 44.3	1.2			+	2.6	3.0		
	A	04.17 47.0	0.9				0.9	4.6		
23	H	04.17 46.4	0.7			-	3.6	2.8	4.3	
	Z	04.17 47.3	1.2				3.4	3.8		
	A	04.22 36.3	0.7			+	1.0	3.0		
23	H	04.22 35.8	0.6				1.9	2.4	3.1	
	Z	04.22 36.4	1.0				1.3	1.0		

International Seismological Centre

Jun. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	05.33 20.5	0.8			-	1.7	5.8		
23	H	05.33 20.1	0.6			+	10.0	9.8	3.7	3.2
	Z	05.33 21.0	1.1			-	3.4	4.6		
	A	08.06 57.0	1.0			+	0.7	2.1		
23	H	08.06 56.8	0.9				1.8	3.0	4.5	2.7
	Z	08.06	0.9				2.0	1.8		
	A	08.47 19.4	1.0			+	1.4	2.6		
23	H	08.47 19.3	0.9				1.0	1.6	5.2	2.7
	Z	08.47 19.4	1.0				4.0	5.6		
	A	08.56 26.7	1.1				0.6	2.1		
23	H	08.56 26.4	0.9				3.0	3.3	5.8	2 8
	Z	08.56 26.7	1.2				1.9	1.4		
	A	08.59 48.9	1.2				0.7	1.8		
23	H	08.59 48.5	0.9			+	2.2	2.0	3.8	2.7
	Z	08.59	1.2				1.2	0.7		
	A	09.00 09.2	0.4				2.6	5.6		
23	H	09.00 09.9	0.8			-	1.7	2.0	2.5	2.5
	Z	09.00 09.6	0.7			-	2.2	4.2		
	A	09.18 31.4	1.1				1.1	2.4		
23	H	09.18 30.8	0.9				4.5	6.5	5.1	3.1
	Z	09.18 31.0	1.0			+	2.6	3.2		
	A	10.25 00.4	0.4				1.8	5.6		
23	H	10.25 00.9	0.7				1.2	1.0	1.9	2.4
	Z	10.25 00.8	0.7				1.4	3.0		
	A	10.54 11.6	0.4				4.8	9.4		
23	H	10.54 12.2	0.9				2.0	2.2	2.4	2.8
	Z	10.54 12.2	0.6			-	2.8	5.3		
	A	11.25 36.8	0.9				0.5	1.6		
23	H	11.25 36.3	0.7			-	5.3	6.7	3.7	2.8
	Z	11.25 37.1	0.9				3.8	3.0		
	A	11.50 01.8	0.4				1.8	8.2		
23	H	11.50 02.1	0.6				4.3	4.6	1.6	2.8
	Z	11.50 02.8	0.9			-	4.0	3.4		
	A	14.28 03.9	0.5				4.5	4.2		
23	H	14.28 04.6	0.9				0.5	0.4	3.2	2.1
	Z	14.28 04.6	0.8			-	1.6	2.0		
	A	14.31 08.3	0.9				0.6	1.8		
23	H	14.31 08.2	1.0			+	2.8	2.4	5.7	2.7
	Z	14.31 09.1	1.3			-	0.9	0.6		
	A	15.22 26.8	1.0				1.2	2.0		
23	H	15.22 26.7	1.0			-	4.4	3.3	5.1	2.9
	Z	15.22 27.1	0.9				8.5	6.6		
	A	16.40 51.6	1.1			+	11.0	17.8		
23	H	16.40	0.9			+	9.4	11.7	5.8	3.8
	Z	16.40 51.7	1.2					17.0		
	A	16.41 26.2	1.2			+	2.6	3.2		
23	H	16.41 25.1	0.7			+	4.8	4.8	4.7	3.0
	Z	16.41 26.2	1.2				3.9	8.4		
	A	16.53 53.2	1.1				1.4	2.9		
23	H	16.53 52.5	0.7			+	1.8	2.0	4.8	2.7
	Z	16.53 53.4	1.2				5.5	3.9		
	A	17.56 39.5	1.0				5.0	2.6		
23	H	17.56 38.7	1.0				3.6	4.6	6.2	3.2
	Z	17.56 39.2	1.3				7.0	3.5		
	A	18.06 12.2	1.4			-	1.0	2.2		
23	H	18.06 11.6	1.8				1.0	1.4	6.4	2.9
	Z	18.06 11.7	1.2			+		1.6		
	A	18.07 05.9	1.4				1.0	1.1		
23	H	18.07 06.2	1.9				1.0	0.9	8.3	2.7
	Z	18.07 05.5	1.3			-	1.4	4.1		
	A	18.09 30.2	1.8				0.4	2.2		
23	H	18.09 29.7	1.0				1.0	1.6		2.8
	Z	18.09 30.8	1.1				2.8	2.6		
	A	18.35 05.6	1.0				0.2	1.0		
23	H	18.35	1.0				2.4	3.6	5.8	2.6
	Z	18.35 06.5	1.1				0.8	1.2		
	A	19.02 10.7	0.8				1.0	1.4		
23	H	19.02 10.3	0.8			-	2.4	2.9	4.3	2.5
	Z	19.02 10.8	0.9				2.0	2.7		
	A	21.09 25.8	1.4				0.4	1.4		
23	H	21.09 26.0	1.8			+	1.0	1.0	8.9	2.8
	Z	21.09 25.5	1.3			+	2.6	3.0		
	A	21.20 42.3	1.1				0.6	5.4		
23	H	21.20 41.4	0.7			+	4.5	11.4	4.6	3.4
	Z	21.20 42.8	1.2				4.6	2.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	21.38 39.5	0.4				1.2	3.8		
23	H	21.38 39.8	0.8			+	0.6	0.8	2.5	2.2
	Z	21.38 40.0	0.8			-	1.2	1.3		
	A	21.43 56.9	0.7				0.5	3.0		
23	H	21.43 56.5	0.7			+	2.6	3.8	3.0	2.6
	Z	21.43 57.2	1.1				1.3	1.8		
	A	23.08 58.6	1.5				4.2	10.2		
23	H	23.08 59.1	1.7			+	3.6	4.4	9.8	3.7
	Z	23.08 58.3	1.4				16.8	12.6		
	A	23.13 48.7	0.8				1.0	3.4		
23	H	23.13 48.3	0.5				1.2	1.3	2.9	2.3
	Z	23.13 49.2	1.2			-	2.2	1.9		
	A	23.48 34.3	0.5				2.0	5.1		
23	H	23.48 34.9	0.8			+	0.4	0.7	2.8	2.3
	Z	23.48 34.5	1.0			-	1.6	2.8		
	A	01.43 59.5	1.0				0.8	2.3		
24	H	01.43 59.8	1.2				1.7	2.2	3.4	2.8
	Z	01.43 59.1	0.6				6.4	9.0		
	A	03.50 00.8	0.5				2.6	5.0		
24	H	03.50	0.5				1.0	2.8	0.6	2.5
	Z	03.50 01.2	0.8				2.2	3.6		
	A	04.45 44.8	0.6				1.8	4.9		
24	H	04.45 44.7	1.1				1.2	1.3	3.7	2.7
	Z	04.45 44.6	0.7			-	6.2	6.4		
	A	04.46 11.7	0.5			+	7.4	19.6		
24	H	04.46 12.1	0.8			+	2.0	2.2	2.8	3.0
	Z	04.46	0.7			-	3.6	3.8		
	A	06.05 47.5	0.6				0.8	3.0		
24	H	06.05 47.3	0.8				1.0	1.2	3.3	2.3
	Z	06.05 48.0	1.0				1.2	1.6		
	A	07.50 06.6	0.5			-	2.1	4.2		
24	H	07.50 06.7	0.7				0.7	0.6	2.2	2.1
	Z	07.50 07.2	1.0				0.6	0.4		
	A	09.12 56.7	1.2				0.8	2.6		
24	H	09.12 56.5	0.8			+	1.6	2.0	5.4	2.7
	Z	09.12 57.5	1.2			+	1.3	1.1		
	A	10.07 28.8	1.3			+	10.1	9.9		
24	H	10.07 28.0	1.0			-	25.5	43.4	6.9	4.1
	Z	10.07 28.9	1.5			-	10.1	8.4		
	A	10.13 52.5	0.8			+	2.2	8.0		
24	H	10.13 52.1	0.8				4.4	9.4	4.7	3.4
	Z	10.13 53.0	1.0			-	3.3	4.1		
	A	10.54 29.5	1.2				1.0	2.4		
24	H	10.54 28.7	0.9			+	3.0	5.9	5.7	3.1
	Z	10.54 29.6	1.3				3.4	2.4		
	A	11.12 30.5	0.5				10.4	22.6		
24	H	11.12 31.5	1.0				4.0	4.0	3.4	3.3
	Z	11.12 31.1	0.7			+	9.2	7.6		
	A	12.14 09.9	0.9				2.0	3.0		
24	H	12.14 10.4	0.8			-	4.4	6.0	4.9	3.0
	Z	12.14 10.2	1.0				2.5	3.3		
	A	12.22 38.7	0.9				7.6	6.2		
24	H	12.22 38.6	0.7			-	6.3	7.5	4.5	3.3
	Z	12.22 39.3	1.1					5.4		
	A	14.31 29.2	0.4				2.1	3.3		
24	H	14.31 29.7	0.9				0.7	0.8	2.8	2.2
	Z	14.31 29.6	0.7				2.0	3.2		
	A	14.55 09.5	0.7			+	14.4	12.3		
24	H	14.55 09.2	0.8			-	14.9	9.2	3.8	3.6
	Z	14.55 09.8	0.9			+	18.1	4.7		
	A	15.18 46.6	0.7			-	0.7	3.6		
24	H	15.18 46.9	0.6			-	2.1	2.8	3.5	2.6
	Z	15.18 47.9	1.0				3.8	2.8		
	A	15.36 51.9	1.2				4.3	3.8		
24	H	15.36 51.4	0.9			+	3.9	4.8	5.9	3.2
	Z	15.36 52.2	1.3			-	6.5	3.6		
	A	17.22 14.9	0.9				2.5	8.0		
24	H	17.22 14.3	0.6				1.7	1.6	3.9	2.8
	Z	17.22 15.3	1.1			-	4.2	5.0		
	A	17.29 06.3	0.6			-	0.9	2.7		
24	H	17.29 06.7	0.9				2.8	2.6	2.9	2.6
	Z	17.29 06.2	0.6				8.9	5.8		
	A	19.07 44.5	1.5				1.0	2.2		
24	H	19.07 45.2	1.8			+	0.9	1.1	7.5	2.9
	Z	19.07 44.5	1.1			+	3.2	4.8		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Jun. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	19.14 29.9	0.8			-	5.8	7.8		
24	H	19.14 29.5	0.6			-	4.8	7.6	3.2	3.2
	Z	19.14 30.4	0.9			-	4.2	6.2		
	A	19.26 27.4	0.6				1.6	3.3		
24	H	19.26 27.9	0.6			+	1.0	1.5	2.7	2.3
	Z	19.26 27.7	1.0			-	2.6	1.8		
	A	20.56 36.6	0.9			-	4.9	6.9		
24	H	20.56 36.1	1.0			-	9.4	8.1	5.7	3.4
	Z	20.56 36.5	1.0			+	11.4	9.3		
	A	21.33 55.4	1.3				0.7	2.2		
24	H	21.33 54.5	0.8				2.1	1.4	5.2	2.7
	Z	21.33 55.6	1.3				1.8	1.6		
	A	23.43 20.5	0.8			-	1.2	2.0		
24	H	23.43 20.1	0.7			+	3.6	3.6	3.2	2.6
	Z	23.43 21.0	1.3			-	1.4	1.5		
	A	00.15 18.7	0.4				6.2	5.6		
25	H	00.15 19.3	0.9			+	1.8	2.6	2.2	2.6
	Z	00.15 19.1	0.6				4.2	5.8		
	A	00.51 04.5	0.6			-	1.7	3.4		
25	H	00.51 04.9	1.1				0.7	0.8	3.8	2.4
	Z	00.51 05.1	1.2			-	2.8	1.3		
	A	01.55 15.1	0.7			+	0.8	1.5		
25	H	01.55 15.4	0.9			-	0.6	0.6	1.5	2.0
	Z	01.55 14.7	0.4			-	12.0	4.1		
	A	02.30 46.8	0.7			+	4.8	5.4		
25	H	02.30 47.2	0.9			+	2.3	2.7	4.0	2.8
	Z	02.30 47.6	0.9			-	9.5	6.2		
	A	02.58 19.9	1.0				1.1	2.1		
25	H	02.58 19.8	0.7				2.3	2.6	4.9	2.6
	Z	02.58	1.2				6.4	3.4		
	A	03.36 54.8	0.6				0.6	2.0		
25	H	03.36 54.9	1.3			-	0.6	0.6	2.9	2.2
	Z	03.36 54.5	0.6			+	7.0	8.0		
	A	05.30 54.7	1.1				1.5	4.0		
25	H	05.30 54.3	0.7			+	2.3	2.8	4.4	2.8
	Z	05.30 55.1	1.2			+	1.7	4.0		
	A	07.02 35.6	0.6			+	27.7	32.2		
25	H	07.02 35.2	0.7			-	37.6	25.3	2.9	4.0
	Z	07.02 36.1	1.1			+	15.8	57.7		
	A	07.06 26.3	1.0			+	14.1	10.5		
25	H	07.06 25.8	0.5			-	13.5	10.5	1.4	3.5
	Z	07.06 26.5	1.0			-	12.1	9.7		
	A	08.05 59.7	0.9				2.3	4.2		
25	H	08.05 59.1	0.6			-	3.4	4.5	3.6	2.9
	Z	08.05 59.1	1.0			-	0.7	3.3		
	A	08.20 24.6	1.3			+	2.5	3.1		
25	H	08.20 24.1	0.9			+	5.6	7.0	3.4	3.2
	Z	08.20 24.8	1.1			+	9.8	3.8		
	A	08.32 04.0	1.3				2.6	5.5		
25	H	08.32 03.4	0.9			+	4.2	6.4	5.5	3.4
	Z	08.32 04.3	1.3			+	1.6	2.6		
	A	09.07 54.4	1.0				4.8	3.5		
25	H	09.07 53.9	0.7			+	9.9	7.6	3.7	3.2
	Z	09.07 54.9	0.9			+	12.7	4.8		
	A	09.09	1.0				0.6	1.6		
25	H	09.09 50.1	0.5				1.9	2.6	3.5	2.4
	Z	09.09 51.5	1.2				2.8	1.8		
	A	11.36 27.0	1.0				1.2	1.5		
25	H	11.36 26.5	0.9			+	2.9	3.6	3.2	2.7
	Z	11.36 27.0	0.8			-	5.1	3.4		
	A	12.20 28.7	1.4				2.6	2.1		
25	H	12.20 27.6	1.0			+	2.2	4.5	7.0	3.1
	Z	12.20 28.9	1.4				2.3	3.1		
	A	15.19 34.4	1.6	+			0.4	1.4		
25	H	15.19 35.2	1.9		+	+	1.6	1.4	8.8	2.9
	Z	15.19 34.4	1.3			+	3.2	3.1		
	A	15.27 45.1	0.8	+		-	2.6	6.0		
25	H	15.27 44.4	0.6	+	+		6.8	7.3	3.5	3.1
	Z	15.27 45.4	1.0	+		-	5.6	5.2		
	A	18.05 15.5	0.7		+		5.4	8.2		
25	H	18.05 15.9	1.1		+	+	3.1	3.0	4.5	3.1
	Z	18.05 16.2	1.2			-	7.4	4.2		
	A	23.20 38.7	1.2				2.2	5.7		
25	H	23.20 37.4	0.8			-	5.3	6.0	5.5	3.2
	Z	23.20 38.6	1.5			+	1.3	2.7		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	23.50 10.3	1.0	+			3.0	3.1		
25	H	23.50 09.8	1.0	+		+	3.1	3.4	5.7	3
	Z	23.50 09.9	1.0			-	7.0	5.8		
	A	00.39 32.8	1.1			-	1.4	1.9		
26	H	00.39 32.4	1.0	-			2.1	2.1	4.5	2
	Z	00.39 32.3	0.9			+	10.2	6.0		
	A	00.41 11.5	0.6				1.9	3.8		
26	H	00.41 11.7	1.1	+			0.3	0.4	4.2	2
	Z	00.41 12.0	1.0		+		2.2	1.8		
	A	00.41 26.8	0.8				0.7	2.9		
26	H	00.41 26.2	0.8				4.5	4.0	4.4	2
	Z	00.41 26.9	0.9			-	2.9	3.2		
	A	01.06 30.3	0.6				1.0	4.6		
26	H	01.06 30.1	0.6	+		+	2.4	2.9	2.9	2
	Z	01.06 30.7	0.9				2.0	3.6		
	A	01.26 04.7	1.0	+	+	-	3.3	1.8		
26	H	01.26 04.7	1.0				4.0	4.2	4.7	3
	Z	01.26 04.6	0.9			-	15.2	6.5		
	A	01.43 20.4	0.8	-	+	+	0.7	1.3		
26	H	01.43 20.2	0.7			+	2.6	3.0	3.8	2
	Z	01.43 20.5	0.9			-	4.2	3.6		
	A	01.57 08.7	0.4				10.3	19.8		
26	H	01.57 09.2	0.8		+	+	4.8	5.3	2.4	3
	Z	01.57 09.3	0.9	+	+		4.3	6.1		
	A	02.10 19.0	0.9	-	-		33.1	34.3		
26	H	02.10 18.4	0.7	+		-	26.3	35.9	3.9	4
	Z	02.10 19.1	1.0	+	+	-	15.1	30.3		
	A	02.41 38.4	1.3			+	0.9	3.3		
26	H	02.41 38.6	1.4	-			5.6	6.9	7.6	3
	Z	02.41 38.0	1.2				3.9	2.4		
	A	03.47 46.6	1.0				0.8	1.6		
26	H	03.47 46.8	0.9				1.7	2.0	4.9	2
	Z	03.47 46.5	0.9				4.3	6.1		
	A	04.00 55.6	0.9			+	0.9	2.2		
26	H	04.00 55.3	0.6			+	1.8	2.5	3.0	2
	Z	04.00 55.7	0.9		+	-	4.2	4.1		
	A	05.04 30.6	0.5		+		2.5	5.8		
26	H	05.04 31.4	0.7	+			1.9	2.2	2.6	2
	Z	05.04 31.3	0.8			-	1.4	1.6		
	A	06.46 10.6	1.1					8.7		
26	H	06.46 10.6	0.8			+	12.4	12.3	4.9	3
	Z	06.46 10.0	1.2	-			9.8	12.8		
	A	07.48 35.8	0.8					2.9		
26	H	07.48 35.3	0.5			-	2.7	2.0	2.5	2
	Z	07.48 35.9	0.9				0.5	0.4		
	A	07.48 58.6	0.8					5.2		
26	H	07.48 57.8	1.3	+			3.3	4.2	5.2	3
	Z	07.48 58.8	0.9				10.0	3.6		
	A	07.56 41.3	1.3			+		2.1		
26	H	07.56 41.5	1.1				2.2	3.4	6.4	3
	Z	07.56 42.1	1.3				1.8	1.6		
	A	09.41 55.2	0.8		+			29.2		
26	H	09.41 55.5	0.9		+		10.8	14.7	4.5	4
	Z	09.41 55.3	0.8	+	-	-	14.3	23.1		
	A	10.36 50.7	0.3					18.1		
26	H	10.36 51.5	0.9				1.2	1.0	1.7	2
	Z	10.36 51.1	0.7				2.0	2.9		
	A	12.32 00.6	1.0			+	17.1	16.6		
26	H	12.32 00.5	1.0			-	21.0	20.8	5.7	4
	Z	12.32 00.5	1.0					12.7		
	A	12.33 11.6	0.5				4.4	7.3		
26	H	12.33 12.0	0.8			+	1.4	1.4	2.5	2
	Z	12.33 11.8	1.0			-		0.8		
	A	16.02 22.6	0.7			+	6.8	7.1		
26	H	16.02 22.4	0.6			-	3.7	5.0	1.5	3
	Z	16.02 22.7	0.7			-		2.6		
	A	16.34 54.2	1.2	+	+	-	42.6	28.2		
26	H	16.34 53.0	0.7	+	-	+	39.3	26.2	4.8	4
	Z	16.34 54.0	1.4		+	-		9.8		
	A	16.36 43.0	1.2			-	2.3	3.4		
26	H	16.36 42.0	0.5					5.5	3.3	
	Z	16.36 43.0	1.4					1.6		
	A	17.26 22.1	0.5			+	14.0	10.6		
26	H	17.26 22.7	0.9					1.7	2.3	
	Z	17.26 22.5	0.6			-		1.6		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jun. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	18.01 31.7	1.4			+	21.4	9.6		
26	H	18.01 30.5	0.7			-	12.8	15.7	4.2	4.0
	Z	18.01 31.6	1.5			-		4.6		
	A	18.42 34.9	0.8			-	4.8	15.0		
26	H	18.42	0.7			+	25.0	31.4	3.8	3.9
	Z	18.42 35.7	1.2			-		9.4		
	A	18.57 25.3	0.8				1.7	5.0		
26	H	18.57 24.9	0.7				1.8	2.8	3.8	2.7
	Z	18.57 25.7	1.0			-		1.2		
	A	19.30 38.4	1.1				7.0	11.0		
26	H	19.30 38.1	0.9			-	10.6	8.8	5.9	3.6
	Z	19.30 38.0	1.2					14.4		
	A	20.46 28.8	1.4				4.0	2.0		
26	H	20.46 27.5	0.7			-	9.0	8.6	2.4	3.3
	Z	20.46 28.7	1.4			-		0.9		
	A	20.56 51.8	1.3			-	3.3	8.0		
26	H	20.56 50.6	0.6			+	9.4	13.2	2.9	3.5
	Z	20.56 51.9	1.3					1.6		
	A	21.01 58.2	1.2				7.1	5.1		
26	H	21.01 57.6	0.8			+	5.6	5.6	5.5	3.3
	Z	21.01	1.3					4.0		
	A	23.51 38.9	1.2				3.3	3.4		
26	H	23.51 37.6	0.6			-	7.0	5.6	3.8	3.0
	Z	23.51 38.8	1.3			-		0.6		
	A	00.30 39.9	0.7			-	7.0	15.0		
27	H	00.30 39.4	0.6			+	7.2	5.9	3.2	3.3
	Z	00.30 40.0	0.9			-		1.4		
	A	03.36 15.1	0.4			+	5.2	6.6		
27	H	03.36 15.9	0.9			+	2.8	3.6	2.6	2.8
	Z	03.36 15.6	0.7			-		3.3		
	A	04.05 34.3	0.7				40.4	36.8		
27	H	04.05 34.3	1.0			-	41.0	38.2	3.3	4.3
	Z	04.05 34.2	0.6							
	A	04.06 08.6	1.0			+	20.5	17.6		
27	H	04.06 08.6	1.0				10.2	9.6	5.0	3.8
	Z	04.06 08.7	0.9					12.2		
	A	04.06 44.1	0.9			-	9.3	12.4		
27	H	04.06 43.8	0.7				8.1	8.6	3.6	3.5
	Z	04.06 44.0	0.9					9.6		
	A	04.17 32.5	0.7			-	1.4	7.5		
27	H	04.17 32.1	0.6			-	4.6	4.6	3.1	3.0
	Z	04.17 32.8	1.0			-		3.5		
	A	05.03 15.8	0.7				2.3	2.3		
27	H	05.03 15.8	0.8			-	1.7	2.8	3.4	2.5
	Z	05.03 15.5	0.8					1.8		
	A	06.16 39.9	0.9			+	2.6	3.1		
27	H	06.16 39.8	0.8				5.1	6.4	4.8	3.0
	Z	06.16 39.9	1.0			-		4.2		
	A	06.43 12.1	1.0				1.4	3.8		
27	H	06.43 12.5	1.4				2.8	3.6		
	Z	06.43 11.5	0.8			+				
	A	08.42 34.9	1.1				1.7	2.5		
27	H	08.42 36.1	0.9				5.2	3.3	5.3	3.0
	Z	08.42 35.0	1.0			+		10.2		
	A	08.43 34.3	1.0				1.3	2.7		
27	H	08.43	0.7			-	5.4	6.5	3.3	3.0
	Z	08.43 34.1	0.9			-		3.6		
	A	09.33 43.6	0.8			+	13.0	12.4		
27	H	09.33 43.0	0.6				4.4	5.4	2.4	3.2
	Z	09.33 43.4	0.8			-		3.6		
	A	10.06	1.2			+	12.0	20.0		
27	H	10.06 01.7	0.6			+	12.1	11.8	3.7	3.7
	Z	10.06 02.8	1.3			-		5.3		
	A	10.20 33.0	0.5				2.8	7.5		
27	H	10.20 33.9	1.1				1.0	1.0	3.2	2.7
	Z	10.20 33.0	0.7					5.4		
	A	11.32 44.5	0.5				2.8	7.0		
27	H	11.32 45.3	1.2				0.8	0.9	2.9	2.5
	Z	11.32 44.5	0.6			+	6.2	5.0		
	A	14.19 28.6	1.2				3.0	4.0		
27	H	14.19 28.1	0.9				6.0	6.0	3.6	3.2
	Z	14.19 28.8	1.0				5.1	1.8		
	A	14.29 37.3	1.2				2.0	5.2		
27	H	14.29 36.2	0.6			+	6.0	6.6	3.2	3.1
	Z	14.29 37.3	1.3			-	2.1	2.1		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	15.56 02.7	0.7					30.0	16.0	
27	H	15.56 03.4	1.3			-		8.6	8.2	4.5	3.9
	Z	15.56 02.5	1.0			+		14.1	10.8		
	A	17.05 20.8	0.6					6.6	4.4		
27	H	17.05 21.7	1.2					1.3	1.3	3.6	2.8
	Z	17.05 20.9	0.9			+		0.8	1.6		
	A	18.21 32.0	1.2			+		1.8	2.3		
27	H	18.21 31.5	1.0					4.4	3.0	5.1	3.0
	Z	18.21 31.9	1.0			-		10.3	6.6		
	A	18.22 45.7	1.0					3.8	2.5		
27	H	18.22 45.0	1.0			-		6.8	4.6	4.1	3.2
	Z	18.22 45.3	0.8			+					
	A	18.34 08.9	0.5			+		7.3	14.6		
27	H	18.34 09.3	1.0					7.1	6.2	2.1	3.4
	Z	18.34 07.9	0.4			-					
	A	19.12 17.5	0.6			+		4.8	5.6		
27	H	19.12 17.7	0.9			+		4.0	3.9	3.7	2.9
	Z	19.12 17.9	0.9			-					
	A	19.58 28.8	1.0					4.0	6.6		
27	H	19.58 28.2	0.6			+		4.0	5.2	3.0	3.1
	Z	19.58 28.8	1.0			+					
	A	21.17 05.2	0.6			+		5.1	7.8		
27	H	21.17 05.4	1.0			-		3.8	2.8	3.0	3.0
	Z	21.17 04.7	0.6			-					
	A	23.03 22.3	0.5					7.9	7.6		
27	H	23.03 22.8	1.1			+		5.9	8.6	3.2	3.3
	Z	23.03 22.3	0.7								
	A	23.35 53.7	1.5					9.0	11.0		
27	H	23.35 52.5	0.8			+		12.8	9.8		3.6
	Z	23.35 53.6	1.2			-					
	A	23.57 32.6	1.2					4.4	8.0		
27	H	23.57 31.1	0.6			+		11.4	10.2	3.7	3.4
	Z	23.57 32.5	1.3			-					
	A	00.48 39.3	0.9					0.8	3.4		
28	H	00.48 39.6	1.4			-		1.2	1.6	4.6	2.8
	Z	00.48 38.5	0.7								
	A	00.48 52.8	0.7			-		3.0	4.8		
28	H	00.48 53.2	1.4					0.7	0.6	2.9	2.6
	Z	00.48 52.1	0.7								
	A	01.14 56.7	0.9					1.0	4.0		
28	H	01.14 57.1	1.5					1.0	0.9	3.9	2.8
	Z	01.14 56.0	0.7								
	A	03.25 05.9	1.2					1.0	4.6		
28	H	03.25 04.8						1.4	2.0		2.8
	Z	03.25 05.9	1.0								
	A	05.19 11.6	1.0					2.4	2.3		
28	H	05.19 11.2	1.0					2.6	2.1	5.2	2.8
	Z	05.19 11.1	0.9								
	A	05.59 05.9	1.1					1.0	2.3		
28	H	05.59 05.4	1.0			-		3.0	5.0	6.4	3.0
	Z	05.59 05.6	1.2								
	A	08.55 03.6	0.8					6.2	9.4		
28	H	08.55 04.0	1.1			+		1.6	2.6		3.1
	Z	08.55 04.1									
	A	09.00 43.5	0.9					1.1	3.3		
28	H	09.00 44.3	1.4					1.1	1.0	5.9	2.7
	Z	09.00 43.3	0.9			+					
	A	13.39 18.9	1.4					1.4	2.4		
28	H	13.39 19.3	1.8			+		0.9	1.2	8.4	2.9
	Z	13.39 18.3	1.2			+		4.8	4.0		
	A	14.17 51.4	1.1			+		1.0	2.4		
28	H	14.17 50.7	0.9					3.4	4.8	5.6	2.9
	Z	14.17 51.1	1.1			-		4.6	3.1		
	A	15.37 18.3	0.5					2.8	7.2		
28	H	15.37 18.4	1.0			+		6.4	7.0	3.0	3.2
	Z	15.37	0.6			-		18.5	10.8		
	A	16.18 40.9	1.3			+		2.3	8.5		
28	H	16.18 40.1	0.9			+		7.0	4.6	5.9	3.5
	Z	16.18 40.7	1.3			+			1.2		
	A	17.32 22.3	0.8					36.4	43.0		
28	H	17.32 21.9	0.7			+		37.4	4.0	4.4	4.3
	Z	17.32 22.5	1.1						14.2		
	A	17.32 43.5	0.7					13.2	26.1		
28	H	17.32 43.0	0.7			-		16.6	15.4	3.6	3.7
	Z	17.32 43.7	1.1			-			3.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	17.33 50.3	0.8			+	14.3	23.8		
28	H	17.33	0.6			+	3.3	3.3	3.6	3.3
	Z	17.33 50.5	1.0			-		6.3		
	A	17.34 21.2	0.8				1.4	3.8		
28	H	17.34 20.6	0.7				1.6	2.2	3.6	2.6
	Z	17.34 21.4	1.1			-		1.0		
	A	18.10 31.7	1.0				59.0	28.0		
28	H	18.10 31.0	0.9			+	40.0	49.0	5.3	4.6
	Z	18.10 31.7	1.4					12.0		
	A	18.11 21.2	1.3			-	5.2	7.4		
28	H	18.11 20.0	0.6			+	5.8	4.1	3.8	3.3
	Z	18.11 21.2	1.4			-		0.8		
	A	18.28 46.9	0.6				2.4	4.2		
28	H	18.28	0.7			+	4.4	5.2	2.5	2.8
	Z	18.28 47.0	0.7			-		6.2		
	A	18.31 08.9	0.8				2.5	1.6		
28	H	18.31 08.4	0.7				1.6	3.2	3.5	2.6
	Z	18.31 08.8	0.9			+				
	A	18.59 25.9	0.7				0.8	4.5		
28	H	18.59 25.6	1.0			-	1.6	1.0	3.0	2.7
	Z	18.59 25.3	0.5			+				
	A	19.07 17.9	1.4				0.5	4.6		
28	H	19.07	0.8			+	3.7	4.3		3.2
	Z	19.07 17.5	1.0							
	A	20.26 45.0	0.8			-	5.5	9.1		
28	H	20.26 45.3	1.2				4.6	5.4	4.5	3.4
	Z	20.26 44.2	0.7							
	A	21.20 25.3	0.6				0.4	1.5		
28	H	21.20 24.0	0.7			-	3.0	4.6		2.3
	Z	21.20 25.3	1.0							
	A	22.29 08.2	1.1				1.0	4.8		
28	H	22.29 07.6	0.7					4.7	4.8	3.1
	Z	22.29 08.0	1.2							
	A	03.59	0.6			+	19.1	20.1		
29	H	03.59 51.3	0.9				1.2	2.1	3.8	3.1
	Z	03.59 51.1	0.8							
	A	05.29 14.4	0.9				12.4	9.0		
29	H	05.29 13.9	0.8				7.8	14.2	5.0	3.7
	Z	05.29 14.1	1.1			-				
	A	06.25 42.9	0.7				3.7	5.7		
29	H	06.25 42.9	0.7			-	2.7	3.4	3.7	2.9
	Z	06.25 43.4	0.9			-				
	A	06.51 01.3	0.7				3.8	4.2		
29	H	06.51 01.7	1.0				0.8	1.6	3.0	2.6
	Z	06.51 00.7	0.5							
	A	10.19 48.0	1.0				0.7	1.6		
29	H	10.19 47.5	0.6			-	1.0	0.8		2.1
	Z	10.19								
	A	10.23 34.2	0.7				5.2	6.9		
29	H	10.23 34.5	0.8				0.5	0.8	4.0	2.5
	Z	10.23 34.6	1.0			-				
	A	13.54 51.8	0.4				11.2	17.4		
29	H	13.54 52.1	1.0			+	3.8	3.8	3.1	3.2
	Z	13.54 52.5	0.9			-	6.4	5.7		
	A	13.55 00.5	0.4			-	19.3	18.4		
29	H	13.55 01.0	0.8			+	3.9	6.0	1.8	3.2
	Z	13.55 00.8	1.0			-	4.6	5.6		
	A	13.55 29.7	0.6			+	23.8	75.2		
29	H	13.55 29.9	0.9			+	3.5	3.8	3.4	3.7
	Z	13.55 30.0	0.7			-	5.8	7.4		
	A	15.17 44.4	0.4				4.5	6.3		
29	H	15.17 45.0	0.8				0.2	0.2	2.6	1.9
	Z	15.17 44.8	0.8				0.6			
	A	15.26 56.1	0.8				10.3	17.3		
29	H	15.26 56.2	0.9				6.5	4.3	2.7	3.5
	Z	15.26 55.6	0.5			+		13.2		
	A	16.31 25.2	1.0				2.1	3.0		
29	H	16.31 25.2	1.1			-	1.4	0.9	4.0	2.9
	Z	16.31 24.6	0.6			+		6.9		
	A	16.42 29.2	1.0			+	1.0	2.5		
29	H	16.42 29.3	0.8			-	3.7	3.8	4.2	2.9
	Z	16.42 29.5	0.9			-		1.7		
	A	17.11 37.8	1.0			+	0.6	1.9		
29	H	17.11 37.9	1.4			-	0.9	0.8	5.2	2.5
	Z	17.11 37.2	0.8			+		4.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	19.20 34.1	0.7			+	3.7	2.6		
29	H	19.20 34.8	1.1			+	1.4	2.0	3.6	2
	Z	19.20 34.1	0.6			+				
	A	19.49 41.6	0.6			+	2.1	4.7		
29	H	19.49 41.0	0.6			-	4.0	5.0	1.7	2
	Z	19.49 42.0	0.7			-				
	A	20.46 19.9	1.1			-	2.1	4.9		
29	H	20.46 19.4	0.9			-	3.3	5.1	5.8	3
	Z	20.46 19.8	1.3							
	A	22.08 19.7	1.2			+	0.6	0.9		
29	H	22.08 18.9	0.9			-	2.9	2.2	4.0	2
	Z	22.08 19.3	1.1			+				
	A	23.43 21.2	0.8			+	1.1	2.4		
29	H	23.43 22.0	1.4			-	1.4	1.2	3.4	2
	Z	23.43 20.8	0.6			+				
	A	23.55 57.5	1.0			+	8.6	5.6		
29	H	23.55 57.3	0.9				4.2	5.2	3.1	3
	Z	23.55	0.8			+				
	A	23.57 12.8	1.2			+	1.3	1.8		
29	H	23.57 12.4	0.9			+	1.3	1.7	5.5	2
	Z	23.57 12.5	1.1			+				
	A	00.50 49.2	0.9				2.9	7.6		
30	H	00.50 48.4				+	2.7	2.1		2
	Z	00.50 49.2								
	A	01.05 31.9	1.0				0.9	1.2		
30	H	01.05 31.4	0.8			-	1.7	1.3	2.8	2
	Z	01.05 31.7	0.8			-				
	A	01.26 23.3	0.9				4.8	2.4		
30	H	01.26 24.5	1.4				0.7	0.8		2
	Z	01.26 23.7								
	A	01.42 55.7	1.2			+	1.5	1.7		
30	H	01.42 54.5				-	3.0	3.1		2
	Z	01.42 55.8	1.1			-				
	A	04.44 05.4	0.8			+	4.3	3.7		
30	H	04.44 05.4	0.8			-	5.4	7.2	2.8	3
	Z	04.44 05.6	0.7							
	A	05.30 18.3	0.9				1.1	3.3		
30	H	05.30	0.5			+	4.2	3.4	3.3	2
	Z	05.30 18.5	1.1			-				
	A	06.34 51.4	0.9			+	2.5	3.9		
30	H	06.34	0.5			-	4.0	3.5	2.9	2
	Z	06.34 51.7	1.0							
	A	08.20 07.0	1.0				2.3	6.0		
30	H	08.20	1.5				8.6	4.9	6.0	3
	Z	08.20 07.2	1.1							
	A	09.21 56.5	0.7			+	5.4	7.2		
30	H	09.21 56.5	0.7			-	1.9	2.9		2
	Z	09.21				-				
	A	10.07 48.9	0.5			+	12.6	4.7		
30	H	10.07 49.7	1.0			+	2.6	4.8	3.5	3
	Z	10.07 49.6	0.8			-				
	A	12.05 48.3	0.7				1.7	2.6		
30	H	12.05 48.8	1.2				1.6	1.2	3.1	2
	Z	12.05 47.7	0.5			+	58.8	14.0		
	A	12.26 36.7	1.1				1.7	3.5		
30	H	12.26 36.4	0.8			+	4.2	4.0	5.5	3
	Z	12.26 36.9	1.2				1.3	0.8		
	A	12.50 23.2	0.5				12.0	10.8		
30	H	12.50 23.8	1.0			+	0.8	0.5	3.5	2
	Z	12.50 23.7	0.9				2.0	2.9		
	A	13.01 31.0	0.6				1.9	8.2		
30	H	13.01 30.9	0.6			-	4.4	4.2	2.6	2
	Z	13.01 31.7	0.9			-	2.9	2.4		
	A	13.13 29.3	0.8				10.0	5.3		
30	H	13.13 29.5	0.9				9.7	9.4	3.8	3
	Z	13.13 29.7	0.7			-	8.2	10.5		
	A	13.22 58.1	0.8				6.3	8.8		
30	H	13.22 58.2	0.7			+	14.6	9.2	4.2	3
	Z	13.22 58.6	1.2			+	10.5	5.6		
	A	14.07 20.9	0.5				12.5	32.2		
30	H	14.07 21.1	0.9			+	1.8	2.6	2.4	3
	Z	14.07 21.7	1.1			-	12.3	5.0		
	A	17.28 55.7	0.8			+	5.8	5.3		
30	H	17.28 55.5	0.6			-	3.8	5.9	3.6	3
	Z	17.28 55.8	1.0			-	3.6	4.6		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
30	A	17.39 40.4	0.9			+	6.0	4.2		
	H	17.39 40.1	0.6				2.5	4.0	3.7	2.9
	Z	17.39 40.7	1.0				3.4	4.0		
30	A	18.58 22.0	0.9				1.8	3.6		
	H	18.58 22.2	1.1				2.7	3.6	6.0	3.0
	Z	18.58 22.6	1.2				4.0	3.6		
30	A	19.51 16.2	1.0			+	0.7	3.2		
	H	19.51 15.9	0.7				3.0	2.3	4.3	2.7
	Z	19.51 16.6	1.1			-	4.1	2.7		
30	A	21.44 42.7	0.7			+	64.2	58.8		
	H	21.44 43.4	0.9			+	14.2	22.6	4.0	4.3
	Z	21.44 43.3	0.8				11.3	6.6		
30	A	21.46 24.7	0.4			+	6.1	11.2		
	H	21.46 25.4	0.8				3.7	3.2	2.0	2.9
	Z	21.46 25.4	0.8			-	2.5	2.7		
30	A	22.33 55.7	0.4				5.1	6.3		
	H	22.33 56.5	0.9				0.8	1.2	2.7	2.4
	Z	22.33 56.2	0.7				2.2	3.8		
30	A	22.54 22.3	1.1				2.7	6.9		
	H	22.54 22.0	0.9			+	10.6	10.5	5.4	3.5
	Z	22.54 22.4	1.2			+	3.3	2.0		
30	A	22.55 08.1	0.4				5.2	5.3		
	H	22.55 08.9	0.9				1.2	1.8	2.4	2.5
	Z	22.55 08.6	0.8			-	2.5	3.1		
30	A	23.30 26.3	0.9			-	1.7	2.5		
	H	23.30	0.8				1.0	1.4	0.6	2.7
	Z	23.30 25.9	0.6			+	9.4	10.3		

1966 July

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
01	A	00.26 53.2	0.4			+	36.6	17.3		
	H	00.26 54.1	0.8				3.1	4.7	2.4	3.4
	Z	00.26 53.8	0.7			-	10.5	8.0		
01	A	02.43 41.3	1.5			+	4.2	6.9		
	H	02.43 42.1	1.9			+	3.1	4.8	8.9	3.7
	Z	02.43 41.2	1.3				12.8	4.3		
01	A	03.19 07.8	1.1				1.7	2.1		
	H	03.19 07.7	1.0			-	3.3	3.0	5.8	2.8
	Z	03.19 07.8	1.1			+	8.5	7.1		
01	A	03.44 20.3	1.5				4.1	3.0		
	H	03.44 19.6	1.2			+	3.4	5.1	8.1	3.3
	Z	03.44 20.6	1.5			+	2.0	0.8		
01	A	04.21 23.6	0.8				3.7	9.0		
	H	04.21 24.9	1.4			-	5.0	6.4	4.3	3.5
	Z	04.21 23.6	0.7			+		12.7		
01	A	05.32 28.5	1.1			-	18.5	11.0		
	H	05.32 28.6	0.9				10.0	8.0	4.7	3.7
	Z	05.32 27.8	1.0				5.0	5.0		
01	A	05.44 23.3	1.1				1.1	2.4		
	H	05.44 23.6	1.4			-	1.7	2.0	5.4	2.9
	Z	05.44 22.9	0.8			+	14.8			
01	A	06.06 31.3	1.0				2.2	2.9		
	H	06.06 31.6	0.8				2.7	3.6	4.2	2.9
	Z	06.06 31.6	0.9							
01	A	06.13 47.6	1.2				4.0	3.5		
	H	06.13 47.9	1.3			-	1.6	3.0	5.0	3.2
	Z	06.13 47.0	0.8			+				
01	A	07.21 40.5	1.3			+	4.6	4.1		
	H	07.21 40.6	1.5			-	2.5	2.7	6.6	3.2
	Z	07.21 40.0	1.0			-				
01	A	08.08	0.9				4.9	5.5		
	H	08.08 29.1	1.2				3.6	2.3	3.9	3.1
	Z	08.08 29.5	1.5			-				
01	A	08.38 48.6	0.6			+	1.9	3.2		
	H	08.38 48.7	0.7				2.3	3.4	3.0	2.6
	Z	08.38 48.9	0.8			-				
01	A	09.03 17.2	0.7			+	2.2	3.4		
	H	09.03 17.1	0.7			-	3.0	2.9	3.4	2.6
	Z	09.03 17.3	0.8			-				
01	A	09.59	0.5				3.4	5.9		
	H	09.59	0.6				0.7	0.6	2.2	2.1
	Z	09.59	0.8				6.1	2.7		
01	A	11.32	1.2							
	H	11.32 38.4	1.4				1.1	2.4		
	Z	11.32 37.8	1.3			+	0.6	0.5	8.1	2.5
01	A	13.05 41.3	0.7				3.3	3.7		
	H	13.05 40.9	1.0				2.5	8.3		
	Z	13.05 41.6	1.0			+	10.3	11.0	4.8	3.4
01	A	13.35 12.4	1.3				17.0	5.8		
	H	13.35 11.3	0.7			+	1.4	4.9		
	Z	13.35 12.8	1.3			-	2.3	1.4	3.9	2.9
01	A	13.57 02.3	0.8			-	1.9	1.5		
	H	13.57 03.2	1.5			-	2.0	4.2		
	Z	13.57 02.2	0.6			+	1.6	2.3	3.0	3.0
01	A	13.57 52.6	1.2			+	12.2	7.4		
	H	13.57 51.9	0.9			-		9.4		
	Z	13.57 52.1	1.0			+	7.7	6.1	3.0	3.5
01	A	17.07 49.3	1.0				9.8	9.6		
	H	17.07 49.3	1.0				1.9	4.1		
	Z	17.07 49.5	0.9				3.0	2.8	5.2	3.0
01	A	18.54 49.6	0.5				14.1	5.4		
	H	18.54 50.3	0.8				15.5	9.5		
	Z	18.54 50.2	0.8				7.5	9.8	3.2	3.4
01	A	19.03 26.7	0.4			+	11.0	14.4		
	H	19.03 27.2	0.8				3.5	4.0		
	Z	19.03 27.0	0.7			-	2.9	3.8	2.3	2.7
01	A	20.21 28.7	1.0			+	0.6	2.8		
	H	20.21 28.6	0.9			-	4.0	4.6	5.1	3.0
	Z	20.21 29.0	1.0			+				
01	A	21.01 37.1	1.0			+	1.8	1.6		
	H	21.01 37.2	1.0			-	3.5	3.2	5.4	2.8
	Z	21.01 37.3	1.0			-				
01	A	21.30 30.1	0.6			+	2.9	5.6		
	H	21.30 30.6	1.1			+	1.6	2.0	4.1	2.8
	Z	21.30 30.2	0.8			-				
01	A	21.48 22.5	1.0			+	0.8	2.1		
	H	21.48 21.7	0.8				5.7	3.0	4.6	2.9
	Z	21.48 22.2	1.0							
01	A	21.53 20.7	1.0			+	1.0	1.6		
	H	21.53 19.9	0.9				3.4	2.9	4.9	2.7
	Z	21.53 20.4	1.0							
01	A	22.35 13.4	0.6				2.0	5.2		
	H	22.35 13.8	1.1			-	1.2	1.6	3.0	2.7
	Z	22.35 12.8	0.5			-	66.0	32.3		
01	A	23.19 03.1	1.0			+	2.6	2.6		
	H	23.19 03.1	0.9			-	3.7	5.2	3.7	3.0
	Z	23.19 03.2	0.8				11.1	5.6		
01	A	23.50 41.0	0.4			-	2.0	6.3		
	H	23.50 41.5	1.0				1.4	0.6	2.7	2.5
	Z	23.50 41.2	0.7				6.4	3.1		
02	A	00.25 27.7	1.3			+	2.4	6.0		
	H	00.25 26.6	0.7			+	6.6	4.5	3.1	3.2
	Z	00.25 27.9	1.3			-	1.7	1.3		
02	A	01.55 33.8	0.9			-	4.6	8.6		
	H	01.55 34.7	1.4			-	3.4	5.8	4.8	3.5
	Z	01.55 33.9	0.7			+	14.5	16.8		
02	A	02.40 45.4	0.9			-	2.4	6.8		
	H	02.40 45.1	0.8			+	4.0	5.0	4.8	3.1
	Z	02.40 46.4	1.3			-	1.7	1.3		
02	A	03.28 43.7	0.7				2.8	5.7		
	H	03.28 44.1	1.1				2.4	3.8	4.7	3.1
	Z	03.28 44.1	1.1			-	5.6	2.2		
02	A	03.50 23.5	0.6				7.6	12.1		
	H	03.50 23.8	1.0				2.2	2.7	3.9	3.1
	Z	03.50 24.2	1.1			-	13.1	3.5		
02	A	04.17 10.3	0.9				4.4	4.8		
	H	04.17 09.8	0.8			+	5.7	11.5	2.7	3.3
	Z	04.17	0.7				6.6	6.5		
02	A	05.49 40.5	0.4			-	3.7	11.1		
	H	05.49 41.4	0.8				0.4	0.5	2.3	2.3
	Z	05.49 41.4	0.7				2.4	1.0		
02	A	08.01 28.0	1.5				2.9	5.3		
	H	08.01 28.8	2.0				1.4	2.0	7.9	3.4
	Z	08.01 27.9	1.3			+				
02	A	08.05 05.9	1.7				0.8	2.5		
	H	08.05	1.7				2.0	3.4	10.5	3.2
	Z	08.05 05.4	1.7							

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
02	A	08.22 18.5	0.4				4.8	6.9		
	H	08.22 19.6	0.8				0.8	0.7	2.4	2.3
	Z	08.22 19.1	0.7			-				
02	A	09.05 18.0	1.1				2.6	4.4		
	H	09.05	1.1			+	11.4	15.5	6.6	3.6
	Z	09.05 17.9	1.1							
02	A	09.27 04.8	1.2				10.4	5.3		
	H	09.27 04.3	0.9			-	13.0	12.5	3.6	3.7
	Z	09.27 04.9	1.0			+				
02	A	09.36 05.0	0.7				32.0	15.2		
	H	09.36 04.8	0.7			-	10.6	12.6	3.4	3.7
	Z	09.36 05.3	0.9			-				
02	A	11.49 15.1	1.2				1.9	2.7		
	H	11.49 15.8	1.9				1.2	1.0	6.2	2.9
	Z	11.49 14.9	1.0				9.6	6.5		
02	A	12.53 57.6	0.7			-	1.6	5.4		
	H	12.53 57.3	0.7			+	6.7	10.4	3.7	3.2
	Z	12.53	1.0			+	1.7	1.6		
02	A	13.00 15.0	0.6			-	3.3	5.3		
	H	13.00 15.4	0.8				0.6	1.0	0.8	2.5
	Z	13.00 15.2	0.4				0.8	0.2		
02	A	14.06 31.7	1.0				26.8	37.8		
	H	14.06 31.2	0.7			+	10.8	15.4	3.9	4.0
	Z	14.06	1.0			-	19.2	13.0		
02	A	15.09 54.3	0.8				7.5	15.8		
	H	15.09	0.7				9.4	5.7	4.2	3.5
	Z	15.09 54.9	1.0			-	21.3	9.7		
02	A	15.37 41.7	0.6			+	2.1	3.6		
	H	15.37 42.6	1.2				1.0	0.8	3.9	2.5
	Z	15.37 42.0	0.7				2.6	1.8		
02	A	17.00 48.4					4.3	5.8		
	H	17.00 48.1	1.8			+	2.6	3.2		3.1
	Z	17.00 47.7	1.3				24.8	9.8		
02	A	17.01 04.3	0.5			+	5.4	8.0		
	H	17.01 05.0	0.8				1.6	2.0	2.5	2.7
	Z	17.01 04.8	0.7			-	3.5	2.2		
02	A	17.02 01.7	0.6			-	2.2	6.5		
	H	17.02 01.5	0.6				4.6	4.4	2.8	2.9
	Z	17.02 02.2	0.9				2.6	3.3		
02	A	18.26 51.3	1.0				4.4	2.4		
	H	18.26 50.7	0.7			+	4.6	5.2	4.8	3.1
	Z	18.26 51.7	1.2			+	8.5	5.8		
02	A	20.37 16.8	1.3				8.5	10.0		
	H	20.37 15.7	0.7			+	10.8	12.5	4.3	3.6
	Z	20.37 17.0	1.3			-	2.8	3.2		
03	A	00.31 41.4	1.0				2.7	7.7		
	H	00.31 41.2	0.5			+	1.9	2.9	2.6	2.9
	Z	00.31 41.9	1.0			-	4.7	1.8		
03	A	01.40 12.8	0.9				2.0	3.3		
	H	01.40 12.5	0.7				3.0	3.3	4.0	2.7
	Z	01.40 13.3	1.0				2.0	2.4		
03	A	02.04 29.6	0.5				19.2	13.1		
	H	02.04 30.5	1.0			+	2.0	1.9	3.3	3.0
	Z	02.04 30.2	0.7				5.6	5.1		
03	A	02.04	0.4				7.5	5.2		
	H	02.04 44.8	0.7				0.3	0.2	1.3	1.9
	Z	02.04 44.5	0.6				1.4	0.8		
03	A	02.49 49.6					5.9	6.4		
	H	02.49 50.2					0.3	0.4		2.4
	Z	02.49 50.3	0.6				2.2	2.3		
03	A	02.51 59.9	1.2				2.8	6.3		
	H	02.51 59.1	1.0			+	4.7	5.0	6.6	3.3
	Z	02.51 59.8	1.3				4.6	2.2		
03	A	04.05 19.8	0.8				1.2	2.2		
	H	04.05 19.7	0.6			+	1.3	2.0	3.2	2.4
	Z	04.05 20.6	0.9				1.1	0.7		
03	A	05.03 59.8	0.9				9.7	11.1		
	H	05.03 59.2	0.6			-	8.7	8.7	3.7	3.4
	Z	05.03 59.9	1.0				11.2	12.4		
03	A	05.40 10.4	1.0				1.0	2.0		
	H	05.40 10.2	1.2			-	3.7	5.2	5.2	3.0
	Z	05.40 10.0	0.8				6.9	2.2		
03	A	06.25 42.6	1.0				5.9	4.4		
	H	06.25 42.2	0.8			-	5.0	5.6	4.1	3.2
	Z	06.25 42.7	0.9				6.5	3.7		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
03	A	10.21 26.2	0.8				2.0	7.2		
	H	10.21 25.9	0.6				4.5	4.4	2.2	2.
	Z	10.21 27.0	1.3			-				
03	A	12.03 55.1	0.9				4.0	10.0		
	H	12.03 54.3	0.5			+	3.7	3.0	3.3	3.
	Z	12.03 55.4	1.1			-	3.2	4.3		
03	A	12.30 11.6	1.0				4.0	3.2		
	H	12.30 11.2	0.7				4.6	5.0	4.5	3.
	Z	12.30 12.0	1.1			-	3.2	2.4		
03	A	14.03 01.7	0.9				1.9	5.5		
	H	14.03 01.3	0.6				4.6	6.7	4.2	3.
	Z	14.03 02.0	1.1			+	6.8	5.0		
03	A	14.49 06.6	1.5				2.1	4.6		
	H	14.49 07.0	1.9			+	4.8	4.5	8.8	3.
	Z	14.49 06.3	1.3			+	6.6	5.8		
03	A	16.18 51.2	0.6			+	6.5	11.3		
	H	16.18 51.6	1.0			-	1.3	2.2	3.8	3.
	Z	16.18 51.9	1.0			-	4.2	2.3		
03	A	16.29 14.0	0.6			+	13.9	51.4		
	H	16.29 14.2	1.0			-	4.9	9.0	3.7	3.
	Z	16.29 14.5	1.0			-	5.2	11.0		
03	A	16.29 39.8	0.6			+	1.7	4.7		
	H	16.29 39.8	0.9			+	0.9	1.9	4.0	2.
	Z	16.29 39.9	1.0			-	0.4	2.1		
03	A	16.41 47.2	1.0			+	7.5	4.5		
	H	16.41 46.7	1.0				8.0	4.1	5.0	3.
	Z	16.41 47.2	0.9				4.0	15.9		
03	A	17.11 57.6	0.8				0.6	3.0		
	H	17.11 57.4	0.9			+	1.2	3.0	4.8	2.
	Z	17.11	0.9				0.8	1.2		
03	A	17.33 42.2	0.6				7.6	10.4		
	H	17.33 42.5	0.9				0.8	0.9	3.5	2.
	Z	17.33 42.9	1.0			-	1.5	1.8		
03	A	17.42 07.6	1.0				0.5	2.6		
	H	17.42 07.2	0.6				1.1	1.0	3.4	2.
	Z	17.42 08.0	1.0				1.0	0.9		
03	A	17.58 10.6	0.9			+	0.6	1.2		
	H	17.58 10.4	0.8			-	3.2	4.3	3.8	2.
	Z	17.58 10.5	0.9				1.8	7.9		
03	A	20.22 37.3	0.9			-	0.5	1.0		
	H	20.22 37.0	0.7			-	2.2	2.8	3.2	2.
	Z	20.22 37.4	0.9			-	2.6	3.6		
03	A	21.41 05.1	0.8			+	8.5	5.1		
	H	21.41 04.9	0.8			-	5.2	5.0	3.9	3.
	Z	21.41 05.0	0.8			-		22.5		
03	A	21.41 54.8	1.1				0.7	1.8		
	H	21.41 54.8	1.3			-	1.3	1.7	5.0	2.
	Z	21.41 54.1	0.8			+		13.7		
03	A	21.44 08.7	0.4			+	16.5	9.5		
	H	21.44 09.7	1.1				0.3	0.2	2.5	2.
	Z	21.44 09.3	0.7			+	1.3	2.0		
03	A	22.49 46.9	1.2			+	2.3	3.5		
	H	22.49 46.4	0.9			+	7.9	7.5	4.4	3.
	Z	22.49 47.1	1.1			+	2.8	2.7		
04	A	02.19 50.0	0.7				1.3	2.3		
	H	02.19 50.0	0.7				5.9	4.9	3.5	2.
	Z	02.19 50.6	0.9							
04	A	02.57 16.9	1.0			+	1.1	3.5		
	H	02.57 16.7	0.7			-	3.5	4.6	4.5	2.
	Z	02.57 17.2	1.1			-				
04	A	02.59 56.0	0.9			+	0.3	1.7		
	H	02.59 55.8	0.7			-	1.4	1.6	3.3	2.
	Z	02.59 56.2	0.9							
04	A	03.01 33.0	0.7				1.2	2.9		
	H	03.01 33.9	1.0				1.4	1.5	3.1	2.
	Z	03.01 32.7	0.5			+				
04	A	03.05 19.1	0.7				1.2	2.9		
	H	03.05 18.9	0.7			-	2.1	2.9	3.5	2.
	Z	03.05 19.4	1.0							
04	A	03.58 40.7	0.9			+	6.8	16.7		
	H	03.58 40.5	0.6			-	7.2	7.9	4.1	3.
	Z	03.58 40.7	1.3			-				
04	A	05.27 56.1	1.0				0.8	4.9		
	H	05.27 55.8	0.8			+	1.1	1.3	4.9	2.
	Z	05.27 56.7	1.3			-				

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jul. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	06.09 24.1	0.7			+	1.6	4.5		
04	H	06.09 24.3	1.0			+	0.4	0.5	4.5	2.3
	Z	06.09 24.8	1.0							
	A	06.16 01.2	0.7			+	0.8	1.6		
04	H	06.16 00.9	0.9			-	1.6	3.0	3.8	2.5
	Z	06.16 01.1	0.8			-				
	A	11.47 27.4	0.8				24.1	14.9		
04	H	11.47 27.2	0.8			-	17.9	16.4	3.1	3.9
	Z	11.47 27.8	0.7			-	17.1	8.2		
	A	11.51 30.1	0.9			-	30.6	26.9		
04	H	11.51	0.8			-	14.9	11.5	4.1	3.9
	Z	11.51 30.5	0.9			+	19.5	14.4		
	A	11.53 28.9	1.0			+	3.2	5.6		
04	H	11.53 28.6	0.7				5.2	8.0	1.3	3.2
	Z	11.53 29.4	0.8				4.4	3.0		
	A	11.54 44.2	0.8			+	0.7	3.1		
04	H	11.54 43.7	0.8			-	3.7	4.2	3.8	2.8
	Z	11.54 44.3	0.9			-	3.1	2.0		
	A	13.48 06.4	1.0			+	0.5	1.5		
04	H	13.48 05.9	0.8			-	3.2	3.4	3.8	2.7
	Z	13.48 06.5	0.9				5.2	1.4		
	A	15.54 50.7	1.0			-	2.4	3.3		
04	H	15.54 50.7	1.2			+	2.2	2.6	6.2	2.9
	Z	15.54	1.0			-	1.8	1.6		
	A	16.29 57.6	1.1				2.0	2.0		
04	H	16.29 57.4	1.0			-	4.0	3.7	5.3	2.8
	Z	16.29 57.6	1.0				8.0	4.8		
	A	17.02 46.7	0.6				6.4	9.4		
04	H	17.02 46.5	0.7				5.0	7.0	3.1	3.1
	Z	17.02 46.7	0.9			-	5.0	2.5		
	A	18.57 06.2	0.6				1.8	3.8		
04	H	18.57 06.0	0.7			-	2.0	3.8	3.2	2.7
	Z	18.57 06.5	0.9				6.3			
	A	20.10 44.8	1.2			+	1.1	3.6		
04	H	20.10 43.8	0.8				4.4	2.8	5.4	3.0
	Z	20.10 44.9	1.3				4.2	2.2		
	A	20.57 07.1	0.8			+	3.3	2.6		
04	H	20.57 06.5	0.6				6.0	6.3	3.3	2.8
	Z	20.57 07.5	1.0				4.5	3.5		
	A	21.14 31.7	0.9				1.2	1.8		
04	H	21.14 31.8	1.1			-	2.0	2.8	5.5	2.7
	Z	21.14 31.6	0.9			+	5.7	3.4		
	A	22.42 15.2	0.7			+	2.3	5.5		
04	H	22.42 15.0	0.7			-	4.2	5.6	3.4	3.0
	Z	22.42 15.5	0.9			-	11.6	3.3		
	A	23.24 43.2	1.1			+	0.6	1.6		
04	H	23.24 42.8	1.0			-	2.3	2.2	4.6	2.7
	Z	23.24 42.8	0.9				9.2	2.3		
	A	00.11 13.0	1.3			+	0.5	2.8		
05	H	00.11 12.7	1.0			-	5.6	3.2	1.4	3.1
	Z	00.11 12.9	1.0			+	1.9	1.2		
	A	00.31 31.0	0.9			-	0.6	3.9		
05	H	00.31 30.6	0.6				1.4	1.4	4.0	2.5
	Z	00.31 31.1	1.2				2.2	1.1		
	A	01.06 45.3	0.5				1.0	6.7		
05	H	01.06 46.5	0.9				0.4	0.3	1.8	3.1
	Z	01.06 45.5	0.5				1.3	1.0		
	A	01.57 13.0	0.5				2.6	5.8		
05	H	01.57 13.5	1.0				1.4	1.8	3.2	2.6
	Z	01.57 13.4	0.8				2.4	2.3		
	A	02.34 23.7	1.3				0.6	4.0		
05	H	02.34 22.6	0.7			+	4.5	2.8	4.5	3.0
	Z	02.34 24.0	1.5				1.1	1.5		
	A	02.42 46.3	0.8				3.4	8.2		
05	H	02.42 46.1	0.7			+	5.7	6.5	4.0	3.2
	Z	02.42 46.9	1.0			+				
	A	03.36 33.6	1.0			+	1.0	3.5		
05	H	03.36 33.2	0.6				6.2	6.0	3.7	2.9
	Z	03.36 33.7	1.1							
	A	04.14 48.0	1.1				3.8	4.4		
05	H	04.14 48.0	1.4			-	7.0	9.6	5.9	3.4
	Z	04.14 47.4	0.9				12.6	7.7		
	A	05.37 52.9	0.8				0.8	5.8		
05	H	05.37 52.3	0.6			-	6.0	5.3	2.8	3.0
	Z	05.37 53.3	1.3							
	A	05.38 01.7	1.1			+	6.0	8.0		
05	H	05.38 01.5	0.9			-	9.0	12.1		3.6
	Z	05.38 01.7				-	12.0	8.2		
	A	07.26 53.4	0.9				0.8	2.3		
05	H	07.26 52.8	1.0			-	1.6	2.0	4.0	2.6
	Z	07.26 52.7	0.7							
	A	08.51 14.4	0.4				3.1	3.2		
05	H	08.51 14.8	0.9				1.5	0.5	2.3	2.3
	Z	08.51 14.6	0.7							
	A	08.53 39.3	0.7			+	1.6	3.2		
05	H	08.53 39.1	0.9				3.3	4.0	3.8	2.8
	Z	08.53 39.6	0.7			-				
	A	09.31 47.0	0.9			-	1.7	4.2		
05	H	09.31 46.6	1.1			+	4.2	3.4	5.0	3.0
	Z	09.31 47.3	1.4			-				
	A	14.15 04.9	0.5				5.0	4.5		
05	H	14.15 05.2	0.9				0.5	0.2	3.0	2.1
	Z	14.15 05.3	0.7				1.6	1.1		
	A	16.26 56.0	1.3				0.6	1.9		
06	H	16.26 55.1	1.0			+	3.1	3.1	5.1	2.9
	Z	16.26 55.8	1.2				3.0	1.7		
	A	17.26 05.8	1.3			+	7.2	12.0		
05	H	17.26 04.6	0.8			+	10.0	11.0	4.6	3.7
	Z	17.26 05.8	1.3			-	7.0	4.0		
	A	17.30 08.8					0.5	2.8		
05	H	17.30 07.6	0.6			+	1.8	2.3		2.4
	Z	17.30	0.5				2.4	2.2		
	A	17.36 52.8	0.9				9.0	7.4		
05	H	17.36 53.9	1.0				3.4	4.2	5.2	3.3
	Z	17.36 53.1	0.9				6.4	5.2		
	A	17.47 45.0	0.5				2.6	8.0		
05	H	17.47 45.3	0.9				0.6	0.4	3.1	2.4
	Z	17.47 45.0	0.7			+	5.2	2.9		
	A	18.41 30.2	0.6				0.7	2.2		
05	H	18.41 30.7	1.1				1.6	1.5	3.3	2.5
	Z	18.41 29.8	0.6			-	5.0	7.0		
	A	21.23 36.9	0.9			-	10.1	13.2		
05	H	21.23 36.1	0.5				6.6	4.4	0.9	3.2
	Z	21.23 36.9	0.8			-	5.4	3.4		
	A	21.31 49.5	1.0				1.4	2.9		
05	H	21.31 49.3	1.0				3.7	4.9	5.0	3.0
	Z	21.31 49.2	0.9				7.3	4.3		
	A	21.37 26.5	0.9				1.2	3.0		
05	H	21.37 25.8	0.7				1.8	1.5	3.9	2.5
	Z	21.37 26.7	1.0				1.9	0.9		
	A	22.38 45.6	0.9				1.5	6.4		
05	H	22.38 44.8	0.7				3.2	7.0	4.4	3.2
	Z	22.38 45.9	1.1				2.9	1.2		
	A	23.38 59.7	0.6			+	30.6	49.0		
05	H	23.39 00.1	0.9			+	6.9	11.2	3.8	3.9
	Z	23.39 00.2	1.1			-	13.1	4.3		
	A	00.00 17.6	0.4				3.1	2.8		
06	H	00.00 17.9	0.8			+	1.2	0.8	2.5	2.2
	Z	00.00 18.0	0.9			-	3.6	2.5		
	A	00.06 07.7	0.5			+	12.8	7.1		
06	H	00.06 08.3	0.9			+	6.2	5.8	3.4	3.2
	Z	00.06 08.1	0.8			+	10.8	7.3		
	A	00.08 00.6	0.6			-	7.7	14.6		
06	H	00.08 00.8	0.9				1.2	1.5	3.6	2.9
	Z	00.08 00.9	1.1			+	4.8	1.2		
	A	00.15 20.8	0.4				7.3	9.2		
06	H	00.15 21.3	0.9			+	0.6	0.9	2.2	2.5
	Z	00.15	1.0			-	1.2	1.4		
	A	01.49 31.3	0.9				0.8	5.7		
06	H	01.49 30.8	0.6				5.8	4.1	2.8	3.0
	Z	01.49 31.4	0.9			-	4.2	2.6		
	A	03.29 40.6	1.1				0.5	1.3		
06	H	03.29 39.9	1.0			-	2.6	1.4	5.8	2.6
	Z	03.29 40.3	1.1			+	2.5	1.5		
	A	03.51 35.3	0.6				2.1	4.0		
06	H	03.51 35.3	0.8			+	1.1	0.8	3.7	2.4
	Z	03.51 35.6	0.9				0.9	0.8		
	A	04.35 33.7	0.7				19.7	19.1		
06	H	04.35 33.2	0.7			-	16.2	14.0	3.5	3.7
	Z	04.35 33.7	0.9			-	10.2	6.0		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	05.39 15.6	0.6				1.6	7.4		
06	H	05.39 15.4	0.6				4.0	3.6	2.8	2.9
	Z	05.39 15.7	0.9			-	1.5	1.2		
	A	05.49 55.4	0.6				9.2	18.4		
06	H	05.49 55.7	1.0			+	0.8	1.8	4.0	3.7
	Z	05.49 55.8	1.0			-	2.7	1.1		
	A	08.50 40.4	1.4				1.9	1.4		
06	H	08.50 39.5	1.0				2.2	3.6	6.3	3.0
	Z	08.50 40.3	0.4							
	A	09.01 06.1	0.4				12.3	11.4		
06	H	09.01 06.7	0.9			-	3.4	3.8	0.6	3.0
	Z	09.01 06.0	0.3			-				
	A	09.34 44.7	1.0				2.4	3.0		
06	H	09.34 44.3	1.0			-	5.7	5.0	5.7	3.1
	Z	09.34 44.5	1.0			+				
	A	11.41 02.0	0.9				1.8	4.4		
06	H	11.41 01.4	0.6				4.2	3.8	3.1	2.9
	Z	11.41 01.9	1.0			-	6.2	3.0		
	A	13.24 38.0	0.9				0.5	1.6		
06	H	13.24 37.7	0.7			-	1.6	1.2	2.8	2.3
	Z	13.24	0.9				3.0	1.6		
	A	14.55 34.6	0.6				1.2	2.6		
06	H	14.55 35.4	1.1				0.5	0.5	3.7	2.1
	Z	14.55	0.8			+	2.2	1.4		
	A	15.22 29.6	0.7				0.8	2.1		
06	H	15.22 29.0	0.6				2.6	2.0	2.9	2.4
	Z	15.22	0.9				2.2	1.8		
	A	15.28 28.4	0.9				1.4	4.8		
06	H	15.28 27.8	0.6				2.6	2.0	3.9	2.7
	Z	15.28	1.0				2.7	1.6		
	A	15.37 08.3	0.5				4.8	6.6		
06	H	15.37 09.2	1.2			-	3.4	3.5	3.2	3.0
	Z	15.37	0.9			+	4.9	3.8		
	A	15.39 28.3	1.0			+	0.8	2.5		
06	H	15.39 27.7	0.8			+	5.6	4.0	4.3	2.9
	Z	15.39	1.0				1.4	6.8		
	A	15.59 15.8	0.3			+	3.2	5.4		
06	H	15.59 16.6	0.9			-	1.7	2.7	2.0	2.6
	Z	15.59	0.8			-	3.5	2.8		
	A	16.29 35.8	1.0			+	0.7	2.5		
06	H	16.29 35.3	0.6				2.4	3.0	2.5	2.6
	Z	16.29	0.9			-	3.5	1.7		
	A	16.39 50.8	0.8				0.6	4.2		
06	H	16.39 50.4	0.7			-	2.2	2.8	3.7	2.7
	Z	16.39	0.9			-	5.4	1.6		
	A	16.54 31.1	0.9			+	0.6	1.6		
06	H	16.54 30.9	0.7				3.2	3.2	3.1	2.6
	Z	16.54	0.8				7.6	1.8		
	A	17.00 51.8	0.4			-	2.6	6.5		
06	H	17.00 52.1	1.0			-	4.6	5.2	2.7	3.0
	Z	17.00	0.7			+	30.6			
	A	17.02 53.8	0.9			+	3.3	8.9		
06	H	17.02 53.1	0.5			-	6.6	6.7	2.8	3.2
	Z	17.02	1.0			-	8.3	7.8		
	A	19.00 28.1	1.4			-	17.6	13.2		
06	H	19.00 27.1	1.0			-	21.5	18.9	7.0	4.2
	Z	19.00	1.6			-	5.5	5.9		
	A	20.01 00.6	0.5				23.9	16.0		
06	H	20.01 01.7	1.0				0.7	0.4	2.8	2.8
	Z	20.01	0.6				2.6	1.0		
	A	20.21 35.4	0.9				1.6	3.1		
06	H	20.21 35.1	0.7			+	3.2	5.0	4.3	2.8
	Z	20.21	1.0				2.9	0.8		
	A	23.33 42.4	0.9			+	1.4	3.5		
06	H	23.33 43.1	1.2				0.9	1.3	4.8	2.7
	Z	23.33	0.7				7.8	2.3		
	A	00.03 54.0	0.6				1.2	4.0		
07	H	00.03 54.9	1.1				2.6	2.8	2.8	2.8
	Z	00.03	0.5			+	16.8	10.2		
	A	00.17 42.2	0.6				4.9	8.8		
07	H	00.17 42.7	1.0			+	2.8	4.3	3.6	3.1
	Z	00.17	0.7				37.0	4.6		
	A	01.43 32.3	0.5				3.6	3.4		
07	H	01.43 33.1	1.0			+	4.8	8.6	3.5	2.0
	Z	01.43	0.8			-	13.4	5.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	04.02 22.6	0.9				3.1	9.2		
07	H	04.02 22.0	0.5				7.6	5.1	3.0	3
	Z	04.02	1.0							
	A	05.16 04.5	0.8			+	1.6	3.4		
07	H	05.16 04.0	0.6			-	3.4	3.6	2.9	2
	Z	05.16	0.9							
	A	05.21 44.7	1.5				1.0	1.3		
07	H	05.21 45.3	2.0			+	1.7	2.2	8.6	3
	Z	05.21	1.3			+				
	A	09.24 09.9	1.3				0.8	4.1		
07	H	09.24 09.6	0.9			-	6.2	9.4	5.1	3
	Z	09.24	1.2			+				
	A	11.10 49.9	0.8				0.5	4.0		
07	H	11.10 49.6	0.7				3.3	3.7	3.6	2
	Z	11.10	0.9			-	4.2	2.7		
	A	14.06 57.3	0.5				2.6	3.7		
07	H	14.06 57.5	0.7			+	0.9	0.4	2.6	2
	Z	14.06 58.2	0.8			-	1.2	0.6		
	A	14.33 49.5	0.8			-	6.2	12.1		
07	H	14.33 49.2	0.7				7.4	8.0	4.2	3
	Z	14.33 50.0	1.1			-	8.0	4.8		
	A	14.34 07.8	0.8				10.2	16.2		
07	H	14.34 07.5	0.7				16.6	16.6	3.9	3
	Z	14.34	1.0			-	8.6	8.4		
	A	15.38 44.9	1.1				8.6	7.1		
07	H	15.38 44.6	1.0			+	17.3	16.1	5.7	3
	Z	15.38 45.0	1.0				25.4	5.7		
	A	15.45 23.3	0.8				10.2	13.7		
07	H	15.45 22.8	0.5				11.3	8.0	3.1	3
	Z	15.45 23.6	1.0			-	6.2	3.0		
	A	15.45 26.1	0.7			+	13.4	15.8		
07	H	15.45 25.6	0.4				10.6	7.9	1.5	2
	Z	15.45 26.2	0.9			-	16.8	6.0		
	A	15.56 02.1	1.0				1.6	2.6		
07	H	15.56 01.6	0.9				3.0	5.0	5.3	3
	Z	15.56 02.0	1.1			+	2.0	2.4		
	A	17.19 13.5	0.9				4.4	5.6		
07	H	17.19 13.6	1.2				3.8	3.8	4.2	3
	Z	17.19 12.7	0.6			+	20.0			
	A	18.13 01.7	0.8				3.1	3.8		
07	H	18.13 01.1	0.8				4.0	6.4	4.3	3
	Z	18.13 01.7	0.9				5.3	5.6		
	A	18.57	0.8				1.9	1.9		
07	H	18.57 01.1	1.2				1.6	1.9	5.1	2
	Z	18.57 00.6	0.8			+	16.6	12.0		
	A	19.04 48.5	0.9				2.6	2.1		
07	H	19.04 47.8	0.6				2.8	2.9	2.6	2
	Z	19.04 48.7	0.9			-	4.7	4.4		
	A	19.09 12.2	0.6				4.8	4.8		
07	H	19.09 12.9	1.2				1.0	0.7	4.1	2
	Z	19.09 12.7	0.8			+	4.4	5.6		
	A	19.33 35.2	0.6			+	6.2	5.8		
07	H	19.33 35.5	1.0			-	2.0	1.6	2.6	2
	Z	19.33 34.6	0.5				54.2			
	A	20.09 50.8	1.0			-	1.6	2.3		
07	H	20.09 50.6	1.2			+	2.1	2.1	5.6	2
	Z	20.09 51.3	1.5			-	1.0	1.9		
	A	20.34 34.9	0.6				4.1	5.1		
07	H	20.34 34.9	0.7				0.7	1.6	3.3	2
	Z	20.34 35.3	0.8				0.7	0.6		
	A	22.24 43.0	1.1			+	22.6	18.0		
07	H	22.24 42.6	1.0			-	25.4		4.7	4
	Z	22.24 43.1	0.9				66.3	15.4		
	A	22.28 10.7	0.5			+	3.6	6.8		
07	H	22.28 11.2	1.0			+	0.6	0.4	3.1	2
	Z	22.28 11.1	0.8			-	1.4	1.4		
	A	22.50 44.7	1.2			+	11.5	6.2		
07	H	22.50 44.0	1.0			-	10.8	11.8	4.1	3
	Z	22.50 44.7	1.0			-	10.0	4.0		
	A	01.09 43.9	1.0				2.4	2.2		
08	H	01.09 43.0	1.0			-	4.2	3.3	5.7	2
	Z	01.09 43.5	1.0				6.0	5.0		
	A	01.23 03.6	0.6				3.9	4.3		
08	H	01.23 03.3	0.7			+	3.3	3.2	3.1	2
	Z	01.23 04.2	0.8				2.0	0.8		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jul. 1966 International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.09 50.4	1.5				3.8	5.2		
08	H	02.09 50.6	1.9			+	2.6	3.0	9.0	3.5
	Z	02.09 50.0	1.3				9.4	6.2		
	A	02.40 29.6	1.3				1.3	2.0		
08	H	02.40 28.6	0.9			+	4.0	3.4	4.7	2.9
	Z	02.40 29.6	1.2				1.4	0.4		
	A	04.37 56.5	0.8				4.2	6.5		
08	H	04.37 56.2	0.6				2.0	3.3	3.6	2.9
	Z	04.37 56.7	1.0			-	4.3	2.0		
	A	05.16 13.9	1.0				1.4	2.0		
08	H	05.16 13.9	1.3			-	0.7	0.7	4.5	2.4
	Z	05.16 13.1	0.7			+	11.2	10.6		
	A	05.17	1.4				2.6	3.0		
08	H	05.17 52.4	1.0			+	2.3	3.6	6.7	3.1
	Z	05.17 53.4	1.5				2.3	1.3		
	A	06.00 07.2	1.0				5.6	4.1		
08	H	06.00 06.7	1.0			-	6.6	5.0	5.9	3.3
	Z	06.00 07.2	1.1				12.4	5.8		
	A	06.24 53.4	1.3				4.5	7.0		
08	H	06.24 52.3	0.7			+	4.4	4.6	4.0	3.2
	Z	06.24 53.7	1.4				4.2	3.9		
	A	07.49 17.3	0.7				23.2	18.6		
08	H	07.49 17.1	1.0			-	4.6	3.4	3.0	3.5
	Z	07.49	0.5				59.8			
	A	07.59 59.9	1.3				4.8	5.8		
08	H	07.59 58.8	1.0			-	8.7	12.2	4.7	3.6
	Z	07.59 59.5	1.2				3.2	4.0		
	A	08.06 39.3	1.1			+	2.2	2.2		
08	H	08.06 38.7	0.9			+	4.0	3.6	4.2	2.9
	Z	08.06 39.2	1.0			-	6.2	2.6		
	A	08.10 13.5	0.7			+	5.4	7.4		
08	H	08.10 13.5	0.8				0.4	0.7	4.2	2.5
	Z	08.10 13.9	1.0				2.7	0.8		
	A	08.10 18.0	0.7			+	12.6	34.4		
08	H	08.10 18.1	1.0			+	2.7	5.9	4.8	3.7
	Z	08.10 18.4	1.0			-	10.2	4.2		
	A	08.10 53.5	0.6				4.4	5.6		
08	H	08.10 53.6	0.8				0.3	0.6	3.6	2.3
	Z	08.10 54.0	1.0			-	2.6	0.6		
	A	09.04 46.2	1.3				1.0	0.8		
08	H	09.04 45.9	1.1			-	1.6	1.8	2.4	2.6
	Z	09.04 46.0	0.9				5.5	1.8		
	A	09.27 40.3	0.6				1.2	1.4		
08	H	09.27 40.4	1.0			-	1.7	2.0	2.2	2.3
	Z	09.27 39.8	0.4			+	5.9	3.2		
	A	09.43 37.4	0.7			+	1.2	2.6		
08	H	09.43 37.0	0.6			-	2.6	2.4	3.2	2.5
	Z	09.43	0.9			+	0.9	2.6		
	A	10.53 41.2	1.1				1.8	3.5		
08	H	10.53 40.8	0.9			+	6.6	6.9	5.1	3.2
	Z	10.53 41.7	1.0			+	1.9	1.3		
	A	11.20 32.0	0.5				2.3	4.3		
08	H	11.20 31.9	0.7			+	0.6	2.1	2.8	2.5
	Z	11.20 32.4	0.8			-	0.8	0.6		
	A	11.36 14.0	1.3				1.4	1.4		
08	H	11.36 13.3	1.0				2.3	1.8	6.9	2.7
	Z	11.36 14.1	1.6				0.9	0.7		
	A	12.21 42.1	1.1				2.7	3.4		
08	H	12.21 41.4	0.8			+	1.8	2.0	4.7	2.7
	Z	12.21 42.5	1.2			-	5.8	4.7		
	A	13.33 48.4	1.3				1.1	2.7		
08	H	13.33 47.7	0.9			+	2.0	2.1	3.2	2.8
	Z	13.33 48.6	1.1			+	1.0	0.6		
	A	14.58 44.3	1.1				2.5	6.0		
08	H	14.58 44.0	1.0			-	3.7	6.3	5.4	3.3
	Z	14.58 44.3	1.0				9.5	4.5		
	A	15.15 00.8	1.2				17.8	16.2		
08	H	15.14 59.8	0.9			-	19.9	27.3	5.9	4.1
	Z	15.15 01.1	1.4			-	11.8	6.3		
	A	15.17 25.5	0.8			-	5.8	7.2		
08	H	15.17 25.2	0.7			+	3.8	4.6	1.7	3.0
	Z	15.17	0.7			-	3.6	2.5		
	A	15.55 57.0	1.0			+	1.9	1.6		
08	H	15.55 56.9	1.0			-	2.5	3.5	4.9	2.8
	Z	15.55 57.0	0.9				9.8	3.4		
	A	16.33 48.2	0.9				2.1	4.4		
08	H	16.33 48.2	0.8			+	3.0	3.9	3.7	2.9
	Z	16.33	1.3				2.9	2.5		
	A	16.58 36.2	0.9				1.4	1.4		
08	H	16.58 35.6	0.7			+	2.2	2.2	4.1	2.4
	Z	16.58 37.1	1.0				1.1	0.7		
	A	17.56 38.8	0.9			-	1.2	3.6		
08	H	17.56 38.3	0.6				1.4	2.0	3.6	2.6
	Z	17.56 39.5	1.1				1.3	0.5		
	A	19.59 03.9	1.0			-	4.7	7.7		
08	H	19.59 03.6	1.1			-	8.4	14.4	5.8	3.7
	Z	19.59 03.4	1.0			+	27.6			
	A	20.09 39.9	1.0			-	1.5	1.1		
08	H	20.09 40.3	1.5			-	0.9	1.1	3.2	2.5
	Z	20.09 39.6	0.5			-	18.3			
	A	23.04 25.5	0.6				2.3	3.9		
08	H	23.04 25.6	1.0			-	0.7	0.8	3.1	2.4
	Z	23.04 25.7	1.1			-	3.7	0.7		
	A	00.00 25.2	1.1			+	1.1	1.0		
09	H	00.00 24.6	0.8			-	3.2	2.7	1.5	2.6
	Z	00.00 25.1	0.8			+	4.4	2.4		
	A	00.15 56.0	1.3			+	2.9	2.1		
09	H	00.15 55.5	0.9			+	1.4	1.6	4.7	2.8
	Z	00.15 56.0	1.1			+	4.3	1.7		
	A	00.29 09.4	1.1			+	2.0	3.6		
09	H	00.29 08.8	0.7			-	4.0	2.8	1.1	2.9
	Z	00.29 09.7	0.9			-	3.6	2.5		
	A	01.03 21.7	0.7				1.3	3.6		
09	H	01.03 21.5	0.7			-	3.0	4.1	2.7	2.7
	Z	01.03 21.9	0.7			-	3.2	2.5		
	A	01.07 16.0	1.0			+	1.9	4.1		
09	H	01.07 15.6	0.9			-	1.7	2.6	4.9	2.9
	Z	01.07 16.2	1.0			-	8.6	2.3		
	A	02.20 43.6	0.8				1.3	5.6		
09	H	02.20 43.3	0.7			-	1.9	2.0	3.8	2.7
	Z	02.20 43.7	1.0			-	3.2	1.1		
	A	02.22 54.2	0.8			-	1.8	4.0		
09	H	02.22 54.8	1.3			-	1.4	1.4	4.4	2.7
	Z	02.22 53.7	0.7				31.9			
	A	02.35 37.5	1.4				8.8	13.1		
09	H	02.35 36.8	0.8			+	10.0	10.5		3.7
	Z	02.35 37.7	1.0				9.2	5.1		
	A	02.35 40.7	0.7				8.2	6.3		
09	H	02.35 39.4	0.6				6.4	7.8		3.0
	Z	02.35 40.9	0.5				4.8	4.3		
	A	03.04 55.9	0.7			-	7.4	7.0		
09	H	03.04 56.2	1.2			-	2.6	4.3	2.9	3.2
	Z	03.04 55.6	0.5			+				
	A	03.06 10.5	0.7			+	3.7	9.9		
09	H	03.06 10.2	0.6			-	5.1	4.2	3.2	3.1
	Z	03.06 10.8	0.9				3.5	2.4		
	A	03.06 32.2	0.8			+	0.9	4.2		
09	H	03.06 31.6	0.6			-	1.4	1.4	3.0	2.4
	Z	03.06 32.4	0.9				0.8	0.4		
	A	03.29 04.3	0.9			-	3.1	2.6		
09	H	03.29 04.1	1.0			+	2.5	2.4	5.3	2.7
	Z	03.29 04.8	1.2				1.8	1.5		
	A	04.17 18.4	1.3				2.0	3.7		
09	H	04.17 17.9	0.9				2.2	2.5	5.1	2.9
	Z	04.17 18.7	1.3				1.3	2.5		
	A	04.56 59.6	0.8			+	1.2	1.2		
09	H	04.56 59.2	0.7			-	3.1	2.8	3.0	2.4
	Z	04.56 59.9	0.8				1.1	0.6		
	A	05.31 01.9	1.2				3.5	4.2		
09	H	05.31 00.4	0.8				1.3	2.0	4.8	2.9
	Z	05.31 02.0	1.2				1.4	1.9		
	A	07.34 18.8	0.5				2.2	2.6		
09	H	07.34 19.5	0.9				0.6	0.8	2.5	2.1
	Z	07.34 19.2	0.6				3.8	4.7		
	A	08.59 16.1	1.3			-	1.9	3.9		
09	H	08.59 14.6	0.7				2.8	2.7	2.7	2.9
	Z	08.59 16.7	1.3				1.4	1.2		
	A	14.17 00.3	1.0				3.9	5.0		
09	H	14.16 59.9	0.9				2.1	2.1	5.8	2.9
	Z	14.17 00.7	1.2				4.4	2.1		

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.19	0.9				1.3	3.4		
09	H	14.19	1.0				1.4	1.0	5.8	2.6
	Z	14.19	1.1				1.0	0.5		
	A	14.37 48.2	1.0				5.0	12.7		
09	H	14.37 47.5	0.7				6.6	7.2	4.1	3.4
	Z	14.37 48.4	1.1			-	8.7	3.0		
	A	15.18 49.7	1.3				2.8	3.6		
09	H	15.18 49.2	1.0				1.3	1.6	6.3	2.8
	Z	15.18 49.9	1.3			+	7.1	3.4		
	A	16.06 14.1	1.2			+	27.0	30.0		
09	H	16.06 13.6	1.0			-	20.6	38.8	3.2	4.4
	Z	16.06 14.1	0.9				37.3	14.0		
	A	16.52 52.6	1.1			+	4.9	5.1		
09	H	16.52 52.0	1.1			-	12.4	11.2	6.3	3.5
	Z	16.52 52.7	1.1			+	4.8	3.0		
	A	17.32 12.6	1.1				2.1	2.2		
09	H	17.32	0.7			-	3.0	4.3	2.9	2.8
	Z	17.32 12.7	1.0				6.3	2.9		
	A	18.04 42.8	0.4				2.8	3.7		
09	H	18.04 43.3	0.9			+	0.8	1.0	2.3	2.2
	Z	18.04	0.7				1.5	1.1		
	A	19.48 13.9	1.0				5.0	3.8		
09	H	19.48 13.6	0.9			-	2.8	5.4	4.6	3.1
	Z	19.48 14.1	1.0				10.2	5.6		
	A	20.21 56.3	0.4				11.2	11.4		
09	H	20.21 56.9	0.8			+	4.6	4.8	2.5	3.0
	Z	20.21 56.6	0.7			-	5.0	5.3		
	A	20.39 30.0	1.1				0.9	2.4		
09	H	20.39 29.2	0.5			+	2.2	2.0	3.3	2.5
	Z	20.39 30.0	1.2				2.5	2.6		
	A	22.02 39.2	1.0				4.7	2.8		
09	H	22.02 38.7	0.9			-	5.6	4.8	5.0	3.1
	Z	22.02 39.2	1.0				7.3	2.0		
	A	22.39 11.3	0.9			-	2.4	3.8		
09	H	22.39 10.8	0.6				3.0	2.7	2.8	2.6
	Z	22.39 11.6	0.9			-	2.4	0.6		
	A	22.48 09.8	0.4			+	2.8	2.4		
09	H	22.48 10.8	0.7				0.6	0.6	0.9	1.8
	Z	22.48 10.2	0.6			-	2.2	2.0		
	A	23.13 11.2	0.4				3.9	3.5		
09	H	23.13 11.9	1.2				0.7	0.7	2.2	2.3
	Z	23.13 11.3	0.6			+	3.0	3.4		
	A	01.49 04.4	0.4			+	2.1	2.9		
10	H	01.49 05.1	0.8				0.8	0.6	1.7	1.9
	Z	01.49 04.9	0.6			-	2.3	1.6		
	A	02.32 30.1	1.0				2.4	3.4		
10	H	02.32 30.7	1.4			-	1.2	1.2	4.5	2.8
	Z	02.32 29.8	0.7			-	37.0	8.2		
	A	02.34 22.8	1.1			-	4.5	6.4		
10	H	02.34 22.4	0.9			-	6.0	6.4	5.8	3.3
	Z	02.34 22.7	1.2				5.8	5.0		
	A	02.40 41.4	1.1				7.3	9.5		
10	H	02.40 40.9	1.0				13.0	11.2	6.0	3.7
	Z	02.40 41.3	1.0			+	10.0	6.9		
	A	02.49 30.8	1.3			-	1.2	2.0		
10	H	02.49 29.9	0.7				3.6	2.8	4.7	2.8
	Z	02.49 31.0	1.4			-	0.8	0.6		
	A	02.49 57.0	1.3				5.6	10.8		
10	H	02.49 57.0	1.3			+	11.8	11.0	8.5	3.9
	Z	02.49 57.2	1.5			-	15.2	8.4		
	A	03.12 41.5	1.1			-	5.6	8.0		
10	H	03.12 41.0	0.9			-	6.8	7.6	5.2	3.4
	Z	03.12 41.3	1.0			+	7.2	6.0		
	A	04.48 09.6	1.4				6.4	3.5		
10	H	04.48 08.8	1.0			+	10.8	6.8	1.9	3.6
	Z	04.48	1.2				3.8	1.5		
	A	05.22 45.1	1.1			-	3.5	3.8		
10	H	05.22 45.4	1.5				1.7	2.5	4.8	3.1
	Z	05.22	0.7				11.8	9.0		
	A	09.00 23.4	0.6			-	19.1	20.5		
10	H	09.00 23.6	0.8			+	9.2	10.4	3.5	3.5
	Z	09.00	1.0				8.4	6.4		
	A	11.16 31.4	1.0			+	4.2	6.9		
10	H	11.16 31.0	0.8				5.6	6.6	3.9	3.3
	Z	11.16 31.3	0.9			-	8.4	8.2		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	11.46 53.5	1.2				5.3	7.9		
10	H	11.46	0.7			+	3.2	4.5	4.6	3.
	Z	11.46 53.0	1.3			-	6.2	4.9		
	A	11.47 27.6	1.0			+	3.0	3.0		
10	H	11.47 27.3	1.0				2.4	2.4	5.7	2.
	Z	11.47 27.4	1.0			+	9.5	5.6		
	A	13.25 54.3	0.4				5.8	4.4		
10	H	13.25 54.8	0.8				0.6	0.7	1.8	2.
	Z	13.25 54.4	0.6			-	1.5	1.0		
	A	13.47 07.6	0.8				2.7	1.9		
10	H	13.47 08.3	1.2				0.5	0.6	4.5	2.
	Z	13.47 07.8	0.7				3.4	2.6		
	A	13.50 58.4	1.0				5.1	7.3		
10	H	13.50 57.9	0.6			+	3.8	4.0	3.0	3.
	Z	13.50 58.8	1.0				5.3	2.7		
	A	13.54 35.4	1.0				2.8	5.7		
10	H	13.54 34.9	0.7			+	1.5	2.2	4.7	2.
	Z	13.54 35.9	1.3				3.3	1.2		
	A	14.06 42.5	0.7			+	2.8	5.3		
10	H	14.06 42.4	0.9			-	1.4	2.8	2.6	2.
	Z	14.06 41.9	0.5			-	20.5	9.6		
	A	15.44 55.3	1.0				26.6	37.6		
10	H	15.44 55.7	0.8			-	39.4	42.7	4.8	4.
	Z	15.44 56.0	1.1				43.4	31.1		
	A	15.50 20.5	0.9			+	2.9	3.6		
10	H	15.50 19.9	0.7				2.4	1.6	2.3	2.
	Z	15.50 20.3	0.8					4.6		
	A	16.15 09.0	1.0				29.0	23.0		
10	H	16.15 08.3	0.8			-	27.4	10.2	4.3	4.
	Z	16.15 09.1	1.0			-		8.4		
	A	17.18 27.0	0.7				3.0	2.6		
10	H	17.18 27.9	1.3			+	1.6	3.0	4.0	2.
	Z	17.18 27.1	0.7					4.8		
	A	17.25 34.0	0.7				2.9	2.2		
10	H	17.25 34.7	1.3				1.5	2.6	4.2	2.
	Z	17.25 34.2	0.7					3.3		
	A	17.58 15.3	1.0			+	9.5	5.4		
10	H	17.58 14.9	0.9			-	10.6	10.6	5.6	3.
	Z	17.58 15.3	1.1					7.6		
	A	19.06 37.6	0.7			-	4.7	5.8		
10	H	19.06 37.5	0.9			+	2.1	2.3	3.4	2.
	Z	19.06 37.9	1.3					1.5		
	A	19.17 55.9	0.8			-	5.8	11.3		
10	H	19.17 56.4	1.3			+	10.7	13.9	4.7	3.
	Z	19.17 56.1	0.7					42.3		
	A	20.00 21.8	0.4			-	13.0	31.4		
10	H	20.00 22.4	0.8				2.6	2.6	2.5	3.
	Z	20.00 22.5	0.8					3.3		
	A	20.13 25.0	1.1				12.2	10.3		
10	H	20.13 24.6	1.0				15.6	12.6	5.3	3.
	Z	20.13 24.9	1.0							
	A	20.30 34.4	0.4				9.1	10.0		
10	H	20.30 34.9	0.8			-	3.2	2.5	2.4	2.
	Z	20.30 34.9	0.7					0.6		
	A	22.07 52.8	0.8				4.6	3.7		
10	H	22.07 52.9	0.9			+	2.4	2.5	4.7	2.
	Z	22.07 53.4	1.1			-	4.6	1.5		
	A	22.26 58.9	0.8			-	4.4	4.7		
10	H	22.26 59.4	1.0				4.4	2.7	5.0	3.
	Z	22.26 59.6	1.2				3.2	1.5		
	A	22.30 57.5	0.8				11.0	11.8		
10	H	22.30 57.8	1.0			+	2.2	2.4	5.1	3.
	Z	22.30 58.2	1.1			-	4.6	2.3		
	A	22.33 27.9	0.6				6.5	9.0		
10	H	22.33 28.1	0.9				0.4	0.6	4.0	2.
	Z	22.33 28.5	1.0			-	2.8	1.4		
	A	22.58 46.5	0.5			+	4.6	4.4		
10	H	22.58 47.3	1.0			-	1.6	1.9	3.4	2.
	Z	22.58 46.9	0.7			-		12.0		
	A	00.58 40.0	1.3				3.5	6.3		
11	H	00.58 38.9	0.8			+	4.4	4.6	5.5	3.
	Z	00.58 40.2	1.5			-	4.2	1.9		
	A	07.06 21.7	1.1				4.8	5.0		
11	H	07.06 21.2	0.8				11.2	6.4	4.4	3.
	Z	07.06 21.8	1.0			-	12.3	5.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	07.23 34.0	0.6				7.0	9.4		
11	H	07.23 34.5	1.0			+	1.3	2.0	3.8	2.9
	Z	07.23 34.5	0.9					0.6		
	A	09.58 43.5	1.2							
11	H	09.58 43.6	1.0				3.6	5.2	6.1	3.2
	Z	09.58 43.6	1.2				6.5	3.0		
	A	10.03 46.1	0.6							
11	H	10.03 46.8	0.8				0.7	0.5	3.2	1.8
	Z	10.03 47.0	1.0				1.6	1.1		
	A	11.08 17.9	0.6							
11	H	11.08 18.7	0.9				0.8	0.9	3.7	2.1
	Z	11.08 18.7	1.0			-	3.0	2.9		
	A	11.26 16.3	1.0			+				
11	H	11.26 16.8	1.1			+	17.8	31.4	6.6	4.4
	Z	11.26 17.0	1.2			-		10.8		
	A	11.40 27.5	0.6							
11	H	11.40 28.4	1.0				5.1	6.0	3.2	3.3
	Z	11.40 28.5	1.0			-	3.3	1.3		
	A	11.42 33.6	0.6							
11	H	11.42 34.2	1.0			+	2.0	3.0	3.8	2.9
	Z	11.42 34.4	1.2			-	4.5	2.6		
	A	12.25 39.2	1.4			+	5.4	3.6		
11	H	12.25 38.4	0.9			+	2.0	3.4	4.3	3.2
	Z	12.25 39.2	1.3				1.4	0.6		
	A	12.42 59.6	0.8				13.3	17.9		
11	H	12.43 00.4	0.8				4.7	5.0	3.6	3.4
	Z	12.42 59.4	0.8					7.1		
	A	13.35 22.6	0.5			-	2.7	2.4		
11	H	13.35 23.3	1.0				0.7	0.8	3.4	2.2
	Z	13.35 22.9	0.7			+	1.8	1.2		
	A	13.56 18.4	0.6			-	9.2	7.7		
11	H	13.56 18.3	0.9				0.6	1.0	3.7	2.7
	Z	13.56 18.7	0.9				1.5	2.8		
	A	14.49 26.6	1.0				1.6	1.8		
11	H	14.49 26.4	1.0				3.0	2.8	5.5	2.7
	Z	14.49 26.7	1.0			+	3.2	1.5		
	A	15.49 13.6	1.2				1.4	2.7		
11	H	15.49 12.5	0.6			+	1.8	1.2		2.6
	Z	15.49					0.6	0.3		
	A	16.31 39.3	0.9				0.9	0.8		
11	H	16.31 39.1	1.0			+	0.5	0.6	5.2	2.2
	Z	16.31 39.9	1.2			-	1.0	0.6		
	A	16.41 43.9	1.1				1.3	1.4		
11	H	16.41 43.5	0.8				3.8	2.0	4.4	2.6
	Z	16.41 43.9	1.0			+	4.4	1.7		
	A	17.05 40.9	1.1				1.5	2.0		
11	H	17.05 40.4	1.0			+	3.0	2.6	6.2	2.7
	Z	17.05 40.9	1.2			-	3.4	0.9		
	A	17.07 14.1	0.6			+	3.3	3.4		
11	H	17.07 14.1	0.7				2.0	3.0	3.0	2.6
	Z	17.07 14.5	0.8			-	7.0	3.2		
	A	17.07 54.7	0.7			+	4.3	6.3		
11	H	17.07 54.5	0.8			-	2.6	3.4	3.7	2.9
	Z	17.07 54.8	0.8			-	7.2	3.6		
	A	18.52 12.3	1.4			-	1.6	2.0		
11	H	18.52 12.6	1.9				2.8	2.8	5.9	3.2
	Z	18.52 12.1	1.0			-	2.9	4.3		
	A	18.52 23.7	1.1				1.4	2.1		
11	H	18.52 24.0	1.9			+	1.4	1.3	3.5	2.3
	Z	18.52 23.4	1.0			+	3.6	3.0		
	A	20.22 25.2	1.0			+	2.7	1.7		
11	H	20.22 25.1	0.8				3.0	4.4	4.2	2.9
	Z	20.22 25.3	1.0			-	4.4	1.6		
	A	20.54 57.9	1.5				2.8	2.3		
11	H	20.54 56.9	0.8				2.3	2.0	2.9	3.1
	Z	20.54 58.0	1.5				2.2	0.9		
	A	21.45 59.0	0.7				2.9	3.4		
11	H	21.45 59.6	1.0				3.0	3.4	3.1	2.8
	Z	21.45 58.6	0.5				38.6			
	A	22.00 38.3	1.1				3.3	3.9		
11	H	22.00 37.6	0.5				6.4	3.7	2.5	3.0
	Z	22.00 38.4	1.2				1.0	0.9		
	A	00.02 23.1	0.9			+	5.0	6.2		
12	H	00.02 23.0	0.7			-	8.4	7.2	3.7	3.2
	Z	00.02 23.3	0.9			-	9.8	5.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	01.57 43.6	1.0			-	1.6	3.1		
12	H	01.57 44.1	1.1			+	1.6	1.6	6.3	2.7
	Z	01.57	1.3				1.8	0.8		
	A	02.06 20.0	0.8					2.0	2.6	
12	H	02.06 20.0	0.8			-		4.8	7.2	3.6	2.9
	Z	02.06 20.0	0.8			-		8.4	3.0		
	A	03.38 44.5	0.5			+		5.6	3.4		
12	H	03.38 45.6	1.0					0.6	0.6	3.4	2.3
	Z	03.38 45.3	0.8					6.4	2.8		
	A	05.31 33.3	0.8					4.1	5.6		
12	H	05.31 32.6	0.7			+		7.9	10.2	4.2	3.2
	Z	05.31 33.3	1.0			-		24.2	10.8		
	A	05.32 09.4	1.1					4.2	3.1		
12	H	05.32 09.0	0.8			+		6.3	6.8	4.7	3.2
	Z	05.32 09.8	1.1			-		5.8	4.4		
	A	05.34 46.2	1.1			+		8.1	6.1		
12	H	05.34 46.0	1.1			-		10.6	10.4	4.0	3.6
	Z	05.34 45.7	0.8			-					
	A	06.51 41.0	1.0					0.8	2.2		
12	H	06.51 40.8	0.8					6.0	4.4	3.9	2.9
	Z	06.51 41.3	1.0					2.4	0.8		
	A	07.27 57.3	0.7					4.7	7.1		
12	H	07.27 57.9	0.9					1.3	1.6	4.1	2.7
	Z	07.27 58.0	1.0					2.5	1.0		
	A	07.55 16.0	1.1			+		5.8	4.4		
12	H	07.55 15.3	0.8					18.0	9.4	4.3	3.6
	Z	07.55 15.5	1.0					14.3	6.1		
	A	08.18 26.0	1.3					2.6	4.3		
12	H	08.18	0.8					4.5	3.2	4.8	3.1
	Z	08.18 26.5	1.3					2.8	1.0		
	A	08.38 17.4	0.8			+		2.4	3.8		
12	H	08.38 17.1	0.7			-		3.7	2.4	3.5	2.8
	Z	08.38 17.6	0.8					7.0	3.0		
	A	12.31 06.4	1.4			+		3.0	4.5		
12	H	12.31 05.7	0.8			+		4.0	6.5	3.7	3.3
	Z	12.31 06.6	1.4			+		5.2	2.6		
	A	14.09 01.0	1.1					26.6	38.6		
12	H	14.09 00.6	1.0			-		30.0	25.6	5.7	4.4
	Z	14.09 01.2	1.1					24.9			
	A	14.10 08.0	1.1			-		5.5	9.3		
12	H	14.10 07.7	1.0			-		7.2	7.2	2.1	3.4
	Z	14.10 08.5	0.7					8.4	5.6		
	A	14.15 28.5	1.0					1.4	1.3		
12	H	14.15 28.4	1.0			+		2.0	1.0	6.1	2.6
	Z	14.15 28.5	1.1					13.2	6.2		
	A	15.14 43.7	0.5					3.1	5.2		
12	H	15.14 44.4	1.0			+		3.2	6.6	3.4	3.1
	Z	15.14 44.0	0.7			-		23.9			
	A	16.38 32.7	1.0			+		1.4	2.9		
12	H	16.38 32.3	0.7			+		5.1	3.6	3.5	2.9
	Z	16.38 32.7	1.0			-		10.9	2.7		
	A	17.40 27.5	1.3					2.0	2.4		
12	H	17.40 27.0	0.8			+		1.2	1.8	4.1	2.7
	Z	17.40 27.9	1.3			-		3.2	1.2		
	A	17.48 25.7	1.3					3.9	5.6		
12	H	17.48 24.8	0.8			+		2.4	1.8	0.9	3.0
	Z	17.48	1.1					8.9	3.4		
	A	18.25 06.8	0.6					4.4	5.3		
12	H	18.25 07.3	0.9					0.4	0.6	3.9	2.3
	Z	18.25 07.7	1.0					0.8	0.2		
	A	20.55 24.9	0.5					1.7	1.9		
12	H	20.55 25.6	1.0			+		2.5	4.0	3.4	2.6
	Z	20.55 24.7	0.7					19.5	5.2		
	A	21.42 39.8	0.8					4.2	2.0		
12	H	21.42 39.8	0.7			+		3.0	4.4	3.8	2.8
	Z	21.42 40.9	1.1			-		1.4	1.0		
	A	21.57 03.2	0.8			+		1.0	1.8		
12	H	21.57 03.0	0.8			-		3.0	2.7	3.3	2.6
	Z	21.57 03.2	0.7			+		8.5	3.1		
	A	21.57 51.1	0.9					5.8	8.6		
12	H	21.57 50.9	0.7			-		6.0	4.3	4.2	3.2
	Z	21.57 51.6	1.1			-		7.5	4.5		
	A	23.03 26.1	0.6					8.5	11.3		
12	H	23.03 26.8	1.0			+		1.0	1.6	4.2	2.9
	Z	23.03 26.6	0.9			-		6.1	1.8		

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	01.41 52.3	0.7				6.2	8.0		
13	H	01.41 52.6	1.0			+	2.6	3.8	4.7	3.1
	Z	01.41 52.9	1.1			-	3.1	0.9		
	A	01.57 51.5	0.5				1.8	1.8		
13	H	01.57 52.6	1.2				0.4	0.4	3.2	1.9
	Z	01.57 52.0	0.7			+	1.4	1.0		
	A	02.19 51.4	1.1				3.0	4.3		
13	H	02.19 51.0	0.7			+	2.2	2.4	4.6	2.8
	Z	02.19	1.2				10.6	2.8		
	A	02.21 35.0	1.2			+	8.4	12.1		
13	H	02.21 34.4	0.8			+	8.4	8.0	4.9	3.6
	Z	02.21 35.2	1.3			-	17.1	6.2		
	A	04.11 12.7	0.7			-	6.4	8.9		
13	H	04.11 13.2	1.0			+	2.8	3.8	4.8	3.1
	Z	04.11 13.4	1.0			-	3.8	1.4		
	A	06.23 09.9	0.5				2.1	4.0		
13	H	06.23 10.2	0.9			+	0.7	1.6	3.0	2.5
	Z	06.23 10.4	1.0			-	1.4	1.0		
	A	07.27 58.0	0.5				8.2	8.0		
13	H	07.27 58.8	1.2			-	2.0	1.5	2.2	2.9
	Z	07.27 58.2	0.5			-	19.8	9.6		
	A	07.28 10.1	0.7				2.3	2.3		
13	H	07.28 10.8	0.5				0.4	1.2	1.2	2.1
	Z	07.28 10.5	1.2			-	1.0	0.6		
	A	08.44 44.3	1.3				2.3	2.8		
13	H	08.44 43.7	1.0			+	2.3	2.8	5.5	3.0
	Z	08.44	1.2				2.9	1.0		
	A	09.05 16.9	1.2				4.6	6.2		
13	H	09.05 16.7	1.0			+	5.4	5.8	6.0	3.4
	Z	09.05 17.1	1.2			+	7.3	1.8		
	A	09.18 44.6	9.7				3.2	4.0		
13	H	09.18 44.4	0.8			+	4.7	6.0	4.0	2.9
	Z	09.18	1.0				1.1	0.6		
	A	10.26 02.7	0.9				1.6	3.4		
13	H	10.26 03.2	1.3			-	1.3	0.8	4.3	2.7
	Z	10.26 02.3	0.6				3.6	2.6		
	A	10.43 23.1	0.6				0,8	2.6		
13	H	10.43 24.0	1.2				0.6	0.4	3.6	2.2
	Z	10.43 23.4	0.8				1.4	1.1		
	A	11.00 04.6	0.5				1.8	2.2		
13	H	11.00 05.7	1.1				0.9	0.7	3.0	2.1
	Z	11.00 05.0	0.7				2.2	2.0		
	A	11.46 07.9	1.2			+	4.0	7.8		
13	H	11.46 07.4	0.8			+	5.3	3.8	4.8	3.3
	Z	11.46 07.0	1.2			-		4.6		
	A	12.56 20.0	0.9				3.4	6.8		
13	H	12.56 19.7	0.8				8.3	9.4	4.7	3.3
	Z	12.56 20.2	1.0				7.6	2.0		
	A	13.32 35.5	0.9				6.9	12.5		
13	H	13.32 35.1	0.9				8.8	9.0	5.0	3.5
	Z	13.32 35.7	1.0			+	30.0	4.0		
	A	14.37 40.0	0.5				2.7	4.6		
13	H	14.37 40.6	0.7				0.4	0.2	2.5	2.0
	Z	14.37 40.7	0.9			-	2.1			
	A	15.20 57.1	0.8				2.9	4.4		
13	H	15.20 57.8	1.4			-	2.9	4.0	4.5	3.1
	Z	15.20 57.2	0.7				19.0	15.0		
	A	17.41 40.3	1.3					9.2		
13	H	17.41 39.7	0.8						5.0	3.7
	Z	17.41 40.2	1.3							
	A	19.29 50.2	0.9			+	2.0	2.0		
13	H	19.29 49.7	0.8			-	1.8	1.6	3.2	2.5
	Z	19.29 50.1	0.8			-	2.4	0.6		
		19.30 47.7	0.5			+	6.8	8.2		
13	H	19.30 48.6	1.0				0.7	0.6	3.1	2.4
	Z	19.30 48.2	0.8			+	5.6	3.5		
	A	19.32 50.3	0.9				1.0	2.3		
13	H	19.32 50.0	0.6			-	2.3	2.0	3.6	2.5
	Z	19.32 50.8	1.0			-	4.8			
	A	20.03 31.3	0.7				3.2	3.3		
13	H	20.03 31.6	1.0				0.9	1.0	4.0	2.5
	Z	20.03 31.9	1.1				1.1	0.3		
	A	21.58 44.4	1.0				1.0	1.5		
13	H	21.58 43.9	0.8			-	2.6	5.3	4.3	2.7
	Z	21.58 44.3	1.0				3.3	0.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	22.00 12.0	1.5			+	2.0	1.6		
13	H	22.00 12.7	1.9			+	1.2	1.6	8.0	3.
	Z	22.00 11.7	1.2			+	11.6	2.7		
	A	22.21 04.9	0.8			-	4.4	7.1		
13	H	22.21 04.3	0.5				6.2	6.3	3.1	3.
	Z	22.21 05.2	1.0				2.6			
	A	23.47 58.0	0.5				1.2	4.0		
13	H	23.47 58.0	0.8			+	1.0	1.0	3.0	2.
	Z	23.47 58.5	0.9				1.4			
	A	00.36 28.7	0.8				2.4	3.2		
14	H	00.36 28.7	0.6			-	2.6	2.8	2.7	2.
	Z	00.36 28.8	0.8			-	3.4			
	A	00.37 03.3	1.4				4.4	3.6		
14	H	00.37 02.4				+	3.9	3.2		3.
	Z	00.37 03.7	1.1			-	0.9			
	A	00.55 08.5	0.9				1.2	1.6		
14	H	00.55 08.4	0.9			-	5.8	8.0	3.5	2.
	Z	00.55 08.5	0.7				7.2	1.6		
	A	01.12 05.8	1.0			+	4.6	4.3		
14	H	01.12 05.7	0.8				3.0	3.8	2.8	3.
	Z	01.12 05.9	0.8				14.0			
	A	01.27 31.0	1.2				1.7	3.1		
14	H	01.27 31.1	1.2			-	4.0	8.0	6.1	3.
	Z	01.27 30.9	1.0			-	8.0			
	A	02.17 34.6	1.0			+	1.3	1.8		
14	H	02.17 34.5	0.8				1.6	2.2	2.7	2.
	Z	02.17 34.5	0.8			-				
	A	02.26 21.9	1.2			+	1.5	3.2		
14	H	02.26 21.3	0.8			+	4.3	4.5	4.2	3.
	Z	02.26 21.9	1.2				2.4			
	A	02.41 20.8	1.5				1.5	1.4		
14	H	02.41 21.6	1.9			+	0.7	0.9	7.3	2.
	Z	02.41 20.5	1.2				8.6			
	A	02.48 53.3	0.8			+	7.5	10.8		
14	H	02.48 53.0	0.6				8.0	8.2	3.6	3.
	Z	02.48 53.9	1.0			-	14.0	4.0		
	A	03.13 38.5	1.0				2.2	3.2		
14	H	03.13 38.7	1.2			-	1.6	2.2	5.2	2.
	Z	03.13 38.0	0.8							
	A	03.15 13.0	1.2				1.5	2.5		
14	H	03.15 12.7	0.8			+	3.2	3.3	0	2.
	Z	03.15 13.0	1.0				4.1			
	A	03.32 33.0	1.1			+	2.8	3.8		
14	H	03.32 33.3	1.3				2.0	1.6	4.5	2.
	Z	03.32 32.1	0.7							
	A	03.38 08.4	1.1				0.5	0.9		
14	H	03.38 08.2	1.0			-	1.3	2.1	5.4	2.
	Z	03.38	1.0				2.9	1.0		
	A	03.44 09.8	1.2				2.2	6.3		
14	H	03.44	0.8			+	4.7	4.0	4.2	3.
	Z	03.44 09.9	1.3				2.1			
	A	03.48 14.3	1.0				1.4	2.8		
14	H	03.48 14.5	1.1			-	1.4	1.0	4.1	2.
	Z	03.48 13.5	0.7			+	7.0	8.8		
	A	05.23 04.6	0.9			-	1.0	1.8		
14	H	05.23 04.9	1.2				1.1	0.6	5.9	2.
	Z	05.23 05.1	1.3				1.1	0.6		
	A	09.04 54.9	0.8			-	1.8	4.2		
14	H	09.04 54.5	0.8			+	4.6	7.0	3.6	3.
	Z	09.04 55.1	1.3				3.3	2.7		
	A	09.21 06.7	1.3				4.2	5.1		
14	H	09.21 06.6	1.0			+	7.3	8.2	6.3	3.
	Z	09.21 07.1	1.3				4.2	1.7		
	A	10.15 53.5	1.0			+	1.4	5.2		
14	H	10.15	0.6				2.1	1.4	3.7	2.
	Z	10.15 53.7	1.1				2.4	1.0		
	A	11.24 37.6	0.9			+	1.3	3.8		
14	H	11.24 38.1	0.6				1.6	1.6	3.6	2.
	Z	11.24 37.9	1.0					0.7		
	A	12.18 50.6	1.1				3.6	1.4		
14	H	12.18 51.1	0.8			-	6.4	12.6	2.2	3.
	Z	12.18 50.8	0.9			-	7.4	2.0		
	A	13.49 20.6	1.0				0.4	2.5		
14	H	13.49 19.8	0.8				0.5	0.9	4.7	2.
	Z	13.49 20.9	1.0				1.0	0.2		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jul. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.30 05.4	0.7				2.0	3.4		
14	H	14.30 06.0	1.1				0.6	0.4	3.3	2.4
	Z	14.30 05.1	0.5			+	14.4	1.8		
	A	14.30 56.5	1.3				0.6	2.0		
14	H	14.30 55.8	0.7				5.0	3.4	5.3	2.9
	Z	14.30	1.4				1.4	0.8		
	A	17.03 20.4	0.8			-	1.1	4.6		
14	H	17.03 20.0	0.7			+	1.6	3.2	3.8	2.8
	Z	17.03 20.9	1.0			-	2.4	0.6		
	A	20.58 16.3	0.6				2.5	11.4		
14	H	20.58 17.1	1.1			+	1.8	2.9	4.2	3.2
	Z	20.58 16.6	0.9				8.3	4.2		
	A	21.00 13.9	0.6				1.1	4.0		
14	H	21.00 14.8	1.0				1.2	1.0	3.8	2.5
	Z	21.00 14.3	0.7				3.4	3.4		
	A	21.13 55.4	0.7			-	2.6	7.9		
14	H	21.13 56.3	1.1				2.0	2.3	3.7	3.0
	Z	21.13 55.0	0.6			+	5.4	3.6		
	A	22.51 15.4	0.7				2.1	4.6		
14	H	22.51 16.2	0.8				0.3	0.4	3.7	2.2
	Z	22.51 16.0	0.8				3.8	1.0		
	A	22.57 13.7	0.8			-	1.1	4.4		
14	H	22.57 14.2	1.2			-	2.8	3.0	3.7	2.9
	Z	22.57 13.2	0.6				14.0			
	A	23.28 54.2	1.1				1.0	1.9		
14	H	23.28 53.5	0.8			+	1.0	0.9	5.2	2.4
	Z	23.28 54.5	1.2				3.6	2.4		
	A	23.47 56.6	1.2				0.4	1.7		
14	H	23.47 56.1	0.9			+	1.8	2.4	5.3	2.7
	Z	23.47 56.8	1.2				3.5	1.0		
	A	01.29 34.4	1.1				1.1	2.0		
15	H	01.29 34.1	0.8			-	3.2	3.9	3.4	2.8
	Z	01.29 34.4	0.9				4.8	1.2		
	A	03.06 10.7	0.9				1.0	1.6		
15	H	03.06 11.1	1.2				4.0	5.2	5.3	2.9
	Z	03.06 10.3	0.8				3.9	5.4		
	A	03.21 26.2	0.8			-	1.2	6.7		
15	H	03.21 26.2	0.7				2.7	3.1	4.2	2.9
	Z	03.21 26.9	1.0				2.6	1.7		
	A	04.20 33.0	1.0				3.0	7.0		
15	H	04.20 33.5	1.0				3.8	5.9	5.4	3.3
	Z	04.20 32.9	0.9				10.6			
	A	06.13 36.7	1.1				1.4	5.2		
15	H	06.13 36.4	0.9			-	6.2	8.7	1.6	3.4
	Z	06.13 36.8	0.8				16.3	4.5		
	A	06.28 58.2	1.0				2.2	5.9		
15	H	06.28 58.0	1.0			-	3.2	4.4	5.9	3.2
	Z	06.28 57.9	1.0				12.0	4.2		
	A	07.30 07.3	0.8				0.4	2.0		
15	H	07.30 07.0	0.7			+	3.8	3.8	4.4	2.6
	Z	07.30 07.8	1.0				1.6	1.2		
	A	09.02 05.4	1.2				0.2	2.4		
15	H	09.02 04.4	0.5				2.6	2.4	2.8	2.6
	Z	09.02 05.6	1.3				1.1	0.4		
	A	11.53 12.5	0.7				1.2	2.0		
15	H	11.53 13.1	1.1			-	0.5	0.4	3.1	2.1
	Z	11.53 11.8	0.5				5.4	12.6		
	A	13.03 15.2	0.5				2.6	2.9		
15	H	13.03 15.6	0.9				0.2	0.3	3.0	1.9
	Z	13.03 15.7	1.0				0.2	0.3		
	A	14.33 17.1	0.3				1.8	3.7		
15	H	14.33 17.9	0.8				0.5	0.3	1.9	1.9
	Z	14.33 17.6	0.8				0.8	0.5		
	A	14.33 30.0	0.8				1.5	2.6		
15	H	14.33 29.7	0.5			-	1.7	2.2	2.8	2.4
	Z	14.33 30.2	1.0				1.4			
	A	14.34 59.0	0.6				3.4	4.0		
15	H	14.34 59.9	1.1				1.5	2.2	3.6	2.7
	Z	14.34 59.3	0.7			+		4.4		
	A	15.09 14.3	0.7				1.0	4.0		
15	H	15.09 14.9	1.0				0.4	0.6	3.4	2.3
	Z	15.09 15.0	1.1			-	1.8	0.4		
	A	16.43 31.9	1.0				0.4	2.7		
15	H	16.43 31.6	0.7				1.3	1.4	4.2	2.4
	Z	16.43 32.4	1.1				1.0	0.6		
	A	18.25 41.0	0.6			-	1.6	4.5		
15	H	18.25 40.4					1.7	2.4		2.9
	Z	18.25 41.7	0.9			-	1.0	0.9		
	A	19.53 12.2	0.5			-	3.4	5.9		
15	H	19.53 12.8	0.9			+	0.6	1.3	3.0	2.6
	Z	19.53 12.6	0.7				2.1	2.2		
	A	19.55 28.0	0.5				4.3	9.2		
15	H	19.55 28.6	1.0			+	2.0	2.2	3.0	2.8
	Z	19.55 28.4	0.7			-	2.9	2.8		
	A	21.12 57.2	0.8				2.0	4.5		
15	H	21.12 57.0	0.8				3.0	3.3	3.0	2.8
	Z	21.12 57.5	0.7			+	3.6	4.0		
	A	21.19 25.8	1.1			-	0.8	2.0		
15	H	21.19 25.2	0.9			+	5.6	4.0	6.0	3.0
	Z	21.19 25.7	1.2				3.7	1.1		
	A	22.23 26.3	0.6				4.0	8.2		
15	H	22.23 26.9	0.8				0.3	0.4	3.6	2.3
	Z	22.23 26.4	0.8			-	4.2	1.2		
	A	22.23 52.5	0.6				9.2	16.3		
15	H	22.23 53.1	1.0			+	1.0	1.6	4.1	3.0
	Z	22.23 52.8	0.9			-	10.6	2.7		
	A	22.33 13.8	1.0				4.0	2.6		
15	H	22.33 13.4	0.9				3.4	3.8	5.8	3.0
	Z	22.33 13.8	1.2				2.6	1.1		
	A	00.18 33.2	0.5			-	0.6	3.1		
16	H	00.18 34.2	1.1				0.4		3.5	2.1
	Z	00.18 33.2	0.8				0.8	0.7		
	A	00.22 47.1	0.9			+	0.7	6.4		
16	H	00.22 46.9	0.6			-	2.5	2.4	3.6	2.8
	Z	00.22 47.5	1.0			-	3.1	0.8		
	A	00.27 40.1	0.6				1.0	2.8		
16	H	00.27 40.7	1.1			+	1.3	1.4	3.5	2.5
	Z	00.27 39.8	0.6				11.4	6.3		
	A	01.42 46.7	1.0				0.7	2.1		
16	H	01.42 46.8	0.8			-	6.0	4.6	3.8	2.9
	Z	01.42 46.6	0.9			-	16.4	6.7		
	A	03.15 37.0	0.5				8.8	7.0		
16	H	03.15 37.7	1.0			+	1.4	2.8	3.3	3.0
	Z	03.15 37.6	0.7			-	1.2	1.2		
	A	04.28 37.5	0.7			-	4.4	7.0		
16	H	04.28 37.8	1.0			-	4.4	4.5	3.7	3.2
	Z	04.28 36.9	0.6			-	20.0	5.6		
	A	04.28 58.6	1.1			+	2.0	4.3		
16	H	04.28	1.0			+	11.0	10.6	6.1	3.4
	Z	04.28 58.7	1.1				5.0	2.4		
	A	05.36 56.7	0.9				4.0	4.5		
16	H	05.36 56.3	0.7				4.4	2.8	3.3	2.9
	Z	05.36 56.9	0.9				26.2	4.2		
	A	05.42 49.4	1.1				0.4	7.5		
16	H	05.42 49.1	0.6				2.0	3.1	3.5	3.0
	Z	05.42 49.9	1.2				1.3	1.1		
	A	06.42 39.5	0.9				1.3	1.9		
16	H	06.42 39.6	1.2			-	2.9	4.7	5.4	2.9
	Z	06.42 38.8	0.8				4.6	4.8		
	A	08.18 33.6	0.4				3.8	7.8		
16	H	08.18 34.3	0.9				1.8	1.8	2.3	2.6
	Z	08.18 33.8	0.7				1.8	0.8		
	A	09.04 10.9	0.8				1.8	3.4		
16	H	09.04 10.7	0.9			-	8.7	10.0	4.5	3.1
	Z	09.04 10.8	0.9				22.1	5.8		
	A	09.24 45.3	0.4			-	2.4	3.8		
16	H	09.24 46.4	0.7				0.4	0.3	1.7	1.8
	Z	09.24 46.1	0.7				0.8	0.4		
	A	09.46 51.2	0.8				0.7	2.6		
16	H	09.46 51.9	1.3				0.8	0.9	4.0	2.5
	Z	09.46 50.9	0.6				5.4	5.2		
	A	10.36 08.0	0.4				13.6	18.9		
16	H	10.36 08.5	0.9				2.6	2.9	2.6	3.1
	Z	10.36 08.3	0.7				4.2	4.3		
	A	11.17 35.1	1.0				0.6	3.0		
16	H	11.17 34.6	0.7				1.8	2.6	4.5	2.7
	Z	11.17 35.5	1.3				2.2	0.6		
	A	11.54 45.0	1.0				1.6	3.6		
16	H	11.54 45.5	0.8				4.4	9.0	4.6	3.2
	Z	11.54 45.2	1.0			+	4.9	4.0		

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	12.50 25.8	0.5			-	6.0	15.4		
16	H	12.50 26.4	0.7			+	2.5	2.8	2.5	2.9
	Z	12.50 26.3	0.9				2.8	2.4		
	A	13.02 26.7	1.0				0.5	2.0		
16	H	13.02 26.4	0.8			-	1.5	3.0	4.6	2.7
	Z	13.02 26.7	1.0			+	2.2	0.8		
	A	15.29 07.9	0.9			-	0.5	1.6		
16	H	15.29 07.9	0.9			+	1.4	1.4	5.2	2.4
	Z	15.29 08.3	1.3			-	0.8	0.2		
	A	15.30 03.3	0.8			+	2.3	1.4		
16	H	15.30 04.4	1.4				0.6	0.6	5.2	2.4
	Z	15.30 03.3	0.9			+	2.6	1.2		
	A	16.33 11.0	0.9			+	0.5	2.1		
16	H	16.33 10.7					1.2	0.9		2.2
	Z	16.33 10.9	0.9				2.0	1.6		
	A	17.28 48.2	0.9				0.4	1.2		
16	H	17.28 48.1	0.8				1.7	2.0	3.0	2.4
	Z	17.28 48.2	0.7				3.9	1.1		
	A	17.58 51.9	0.7				0.5	3.3		
16	H	17.58 51.7	0.6			-	1.6	2.2	3.2	2.5
	Z	17.58 52.2	0.9				1.6	0.6		
	A	18.08 03.4	0.7				0.6	6.3		
16	H	18.08 02.8	0.7			-	5.3	4.3	2.2	3.0
	Z	18.08 03.8	1.2				1.2	0.8		
	A	19.10 07.8	0.8			+	2.3	5.2		
16	H	19.10	0.8				2.4	2.4	1.5	2.8
	Z	19.10 07.1	0.6				18.8	11.0		
	A	19.19 03.9	0.9			+	2.2	5.7		
16	H	19.19 04.3	1.2			-	4.0	5.2	4.5	3.4
	Z	19.19 03.2	0.7			+	31.4	23.4		
	A	20.17 37.7	1.0			+	2.4	7.8		
16	H	20.17 37.2	0.7			-	7.2	9.3	4.2	3.4
	Z	20.17 37.7	1.1				7.0	2.3		
	A	22.25 54.4	0.5			+	0.9	2.4		
16	H	22.25 55.0	0.8			-	2.8	4.1	2.5	2.5
	Z	22.25 54.9	0.7				2.1	2.3		
	A	22.39 28.1	0.9			+	0.8	3.2		
16	H	22.39 27.3	0.5			-	1.8	2.5	2.7	2.5
	Z	22.39 28.2	1.0				3.6	2.6		
	A	00.09 34.9	0.6				2.1	3.1		
17	H	00.09 35.6	1.2				1.4	1.5	3.2	2.5
	Z	00.09 35.0	0.6				4.1	2.1		
	A	01.34 37.9	0.4				1.7	8.2		
17	H	01.34 38.4	1.1				1.1	1.0	2.7	2.6
	Z	01.34 38.1	0.7				3.0	2.1		
	A	01.59 01.8	1.2			+	0.5	2.1		
17	H	01.59 01.0	0.9				3.6	3.9	5.5	2.9
	Z	01.59 01.8	1.2				5.6	1.5		
	A	02.20 23.9	0.7			+	1.4	3.4		
17	H	02.20 24.5	1.0				2.0	1.9	3.5	2.6
	Z	02.20 23.8	0.6			-	12.4	8.6		
	A	03.26 06.7	0.9				0.4	2.6		
17	H	03.26 06.0	0.6			+	0.6	1.1	3.6	2.2
	Z	03.26 06.9	1.1				0.5	0.8		
	A	05.17 41.5	0.6			+	1.6	3.4		
17	H	05.17 41.8	0.9			+	1.2	0.6	3.5	2.4
	Z	05.17 41.8	0.7				7.3	3.1		
	A	07.13 45.7	1.3				0.3	2.0		
17	H	07.13 44.8	0.9				0.8	1.2	4.6	2.6
	Z	07.13 45.6	1.2				1.3	0.7		
	A	07.54 13.5	0.7				0.8	3.1		
17	H	07.54 13.6	0.9			+	2.0	2.4	4.1	2.6
	Z	07.54 14.0	1.0				1.6	1.0		
	A	09.23 37.3	0.6				0.9	3.0		
17	H	09.23 37.9	0.9				1.0	0.6	3.5	2.3
	Z	09.23 37.6	0.8				6.2	2.7		
	A	10.56 39.7	0.8				0.6	3.4		
17	H	10.56 39.4	0.5				1.9	1.8	2.1	2.4
	Z	10.56	1.3				0.7	0.3		
	A	12.27 03.2	1.2				1.0	1.8		
17	H	12.27 03.0	1.0				3.2	3.7	3.4	2.9
	Z	12.27 03.1	0.9			+	14.2	3.8		
	A	13.18 39.0	1.0			+	2.6	5.6		
17	H	13.18 38.9	0.9			-	10.6	12.4	2.4	3.4
	Z	13.18 38.8	0.7				17.1	4.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	13.22 10.8	1.0				0.6	1.1		
17	H	13.22 10.5	0.8			-	3.4	3.0		2.
	Z	13.22 10.7				-	0.4	2.3		
	A	13.24 08.0	1.1				0.4	2.3		
17	H	13.24	0.9				1.9	2.3	5.2	2.
	Z	13.24 08.1	1.1				1.4	0.6		
	A	13.31 08.8	1.0			+	0.5	0.7		
17	H	13.31 08.5	0.8			-	1.0	0.9	3.3	2.
	Z	13.31 08.8	0.8				3.6	1.1		
	A	14.59 56.7	0.9			+	1.1	4.2		
17	H	14.59 56.3	0.6				1.4	2.0	2.9	2.
	Z	14.59 57.2	0.9				4.6	3.7		
	A	15.35 42.4	1.5				1.1	4.0		
17	H	15.35 43.0	2.0				1.4	1.6	8.5	3.
	Z	15.35	1.3			+	9.0	4.1		
	A	18.23 59.4	1.4				0.6	2.4		
17	H	18.23 58.8	0.8			+	2.3	2.4	2.2	2.
	Z	18.23 59.8	1.2				1.3	0.6		
	A	18.25 03.3	0.8				2.4	5.2		
17	H	18.25 03.6	1.0				1.4	1.8	4.7	2
	Z	18.25 03.9	1.2			-	2.6	1.1		
	A	19.38 34.9	1.0				2.8	6.0		
17	H	19.38 35.1	0.5				2.5	2.6	3.5	2.
	Z	19.38	1.2				1.4	0.6		
	A	19.44 54.5	0.7				1.6	4.1		
17	H	19.44 54.7	1.0			+	1.2	2.0	4.7	2.
	Z	19.44 55.0	1.1				2.0	0.6		
	A	19.50 29.7	0.7			+	1.2	2.8		
17	H	19.50 30.0	1.0			+	0.7	0.9	4.8	2.
	Z	19.50 30.2	1.1				1.6	0.6		
	A	19.52 38.9	0.6				1.8	4.6		
17	H	19.52 38.9	1.0			+	1.2	1.8	4.1	2.
	Z	19.52 39.1	1.0				1.7	0.6		
	A	20.59 45.4	0.4					0.9		
17	H	20.59				+	0.6	0.4		2.
	Z	20.59	0.5				1.4	0.8		
	A	22.06 46.4	0.9				2.0	6.4		
17	H	22.06 45.8	0.7			+	3.3	3.6	4.5	3.
	Z	22.06 46.7	1.2			-	2.8	1.7		
	A	22.53 19.4	0.4				0.6	2.4		
17	H	22.53 19.4	0.7			+	0.4	0.7	1.6	1.
	Z	22.53 19.7	0.9				0.4			
	A	23.31 01.4	0.7				1.3	3.9		
17	H	23.31 01.9	1.0				1.0	1.1	4.4	2.
	Z	23.31 01.8	1.2			-	4.4	1.0		
	A	23.40 35.9	1.0				1.0	1.0		
17	H	23.40 35.2	0.7				3.5	4.9	3.3	2.
	Z	23.40 35.7	0.9				4.4	1.3		
	A	23.51 15.0	0.8				0.8	2.6		
17	H	23.51 14.5	0.6			-	1.0	1.2	1.8	2.
	Z	23.51 15.1	0.7			-	1.7	1.0		
	A	01.21 33.3	0.5				1.2	2.4		
18	H	01.21 33.3	0.7				0.5	0.5	1.6	1.
	Z	01.21 33.8	1.0				0.6	0.3		
	A	03.50 15.5	1.0				0.5	4.6		
18	H	03.50 15.0	0.5				1.0	1.1	3.4	2.
	Z	03.50 15.8	1.2				1.8	1.0		
	A	05.40 09.4	0.8				7.8	14.8		
18	H	05.40 09.0	0.8			-	13.8	23.6	4.0	3.
	Z	05.40 09.9	1.3			-	18.6	8.9		
	A	05.40 57.6	0.9				2.0	7.5		
18	H	05.40 57.1	0.7			+	6.0	9.1	4.6	3.
	Z	05.40 58.1	1.2				4.8	3.6		
	A	05.52 58.4	0.8				0.4	2.5		
18	H	05.52 57.0	0.6				1.6	2.1	3.0	2.
	Z	05.52 58.7	0.9				2.0	0.4		
	A	07.58 18.8	1.1				0.7	1.8		
18	H	07.58 19.0	1.3			-	0.9	1.2	4.8	2.
	Z	07.58 18.0	0.7			+	4.9	3.9		
	A	08.30 14.2	1.0				0.5	2.3		
18	H	08.30 13.4	0.6			+	2.2	2.0	1.7	2.
	Z	08.30 14.7	0.9				1.4	0.6		
	A	11.03 46.7	1.2				0.4	2.7		
18	H	11.03 45.8	0.8			+	2.5	2.4	5.4	2.
	Z	11.03 46.9	1.3				2.5	1.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Jul. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
18	A	12.05 35.6	0.9			+	18.0	23.5		
	H	12.05	1.0				18.2	22.6	5.8	4.1
	Z	12.05 35.5	1.2					9.5		
18	A	12.26 31.8	0.8			-	2.2	8.2		
	H	12.26 31.0	0.6				3.6	3.6	3.7	3.0
	Z	12.26 32.1	1.0			-	5.6	1.6		
18	A	12.32 11.7	1.1				0.7	1.2		
	H	12.32	0.8				2.3	2.2	4.5	2.5
	Z	12.32 11.8	1.1				1.4	0.9		
18	A	14.10 50.1	1.1				2.5	3.0		
	H	14.10 49.4	0.7			+	7.6	6.2	5.0	3.1
	Z	14.10 50.3	1.2				7.0	3.0		
18	A	14.31 11.0	1.3				0.4	1.6		
	H	14.31	0.7				3.9	6.3	4.2	2.9
	Z	14.31 11.3	1.3				1.7	1.0		
18	A	15.07 28.1	0.9				1.8	2.0		
	H	15.07 27.8	0.9			-	3.3	3.6	4.3	2.7
	Z	15.07 27.9	0.9			-	10.6	4.9		
18	A	17.41 46.5	1.1				0.8	1.6		
	H	17.41 46.2	1.2			-	1.8	2.6	6.6	2.8
	Z	17.41 46.0	1.0				5.1	4.3		
18	A	18.25 09.9	0.9				0.5	1.6		
	H	18.25 11.0	1.5				1.4	1.4	5.2	2.6
	Z	18.25 10.1	0.9				2.0	1.6		
18	A	19.06 07.3	0.8				2.2	2.9		
	H	19.06 07.1	0.8				5.6	6.6	3.6	2.9
	Z	19.06 07.5	0.7				5.7	4.5		
18	A	19.26 32.9	1.2				0.7	2.6		
	H	19.26 32.0	0.8			+	2.0	2.6	4.4	2.8
	Z	19.26 33.1	1.2				5.3	3.0		
18	A	21.24 13.3	1.0				0.4	2.4		
	H	21.24 12.8	0.7				2.2	3.0	4.2	2.7
	Z	21.24 13.5	1.0				2.0	1.3		
18	A	22.06 43.8	0.5				0.8	2.4		
	H	22.06 44.8	1.0				0.5	0.6	3.0	2.1
	Z	22.06 44.1	0.6			+	2.3	1.9		
18	A	22.53 06.4	0.8			+	1.4	5.2		
	H	22.53 06.0	0.5				2.4	2.4	1.9	2.6
	Z	22.53	0.8				5.6	2.1		
18	A	22.54 05.6	1.3				0.2	2.1		
	H	22.54 04.9	0.9			+	2.2	2.4	4.7	2.7
	Z	22.54 05.8	1.2				0.7	0.5		
18	A	23.49 28.9	1.4				1.6	1.8		
	H	23.49 28.9	1.9			+	0.9	1.2	8.1	2.9
	Z	23.49 28.4	1.2				3.6	1.8		
19	A	00.46 48.5	0.8				0.4	1.0		
	H	00.46 49.8	1.5				0.6	0.4	4.5	2.2
	Z	00.46 48.8	0.9			+	4.0	2.3		
19	A	02.52 44.9	1.1				1.0	1.2		
	H	02.52 44.3	0.8				2.8	2.6	4.9	2.5
	Z	02.52 45.3	1.2				2.0	1.0		
19	A	03.10 10.9	0.6			+	0.5	2.2		
	H	03.10 10.6	0.6				2.0	2.6	2.7	2.4
	Z	03.10 11.4	0.8				2.0	1.4		
19	A	03.31 56.6	0.7				4.4	10.8		
	H	03.31 56.4	0.7				7.3	8.1	3.3	3.3
	Z	03.31 57.1	0.9				7.5	5.2		
19	A	04.32 18.9	0.7				0.2	1.8		
	H	04.32 18.6	0.6			+	2.8	5.0	3.2	2.6
	Z	04.32 18.6	1.1				0.8	0.4		
19	A	05.57 57.9	0.9				0.6	5.6		
	H	05.57 57.5	0.6				3.4	4.5	4.0	3.0
	Z	05.57	1.2				2.0	1.2		
19	A	06.54 43.5	0.9				4.4	23.8		
	H	06.54 42.6	0.6			-	16.4	14.2	3.7	3.8
	Z	06.54 43.9	1.0			-		6.3		
19	A	07.07 21.0	1.3			-	14.0	15.6		
	H	07.07 20.2	1.0			+	15.3	26.5	6.7	4.2
	Z	07.07 21.2	1.4			+	16.1	14.4		
19	A	07.33 45.5	1.2					1.8		
	H	07.33 44.8	1.0			-	1.0	1.2	5.6	2.6
	Z	07.33	1.1				0.4	0.2		
19	A	08.31 29.4	0.9				1.8	3.3		
	H	08.31	0.8			-	5.2	8.2	4.1	3.1
	Z	08.31 29.4	0.9			-	16.7	5.0		
19	A	08.34 55.4	0.9					0.6	1.6	
	H	08.34	1.0			-		2.4	3.7	5.2
	Z	08.34 55.3	0.9					5.1	3.0	2.7
19	A	09.42 28.6	1.0			+		1.9	3.0	
	H	09.42 28.7	1.3			-		1.0	1.0	3.6
	Z	09.42 27.9	0.6					9.6	9.6	2.7
19	A	11.12 21.4	0.8					1.2	2.6	
	H	11.12 21.4	0.8					4.0	4.8	3.9
	Z	11.12 21.5	0.8					6.2	3.2	2.8
19	A	11.20 38.4	0.9			+		0.9	2.8	
	H	11.20 38.1	0.5					1.4	1.0	2.3
	Z	11.20 37.8	0.9					1.8	1.7	2.3
19	A	11.29 37.1	0.8					0.6	2.7	
	H	11.29 36.6	0.6					1.0	1.2	3.5
	Z	11.29 37.4	1.0					0.9	0.4	2.3
19	A	12.00 49.1	1.0					0.6	1.9	
	H	12.00 48.5	0.7			-		0.8	0.8	3.4
	Z	12.00	0.9					1.0	0.8	2.2
19	A	12.33 47.7	1.3					1.6	5.6	
	H	12.33 46.8	0.8			+		4.6	4.2	5.5
	Z	12.33 47.9	1.5					1.6	0.8	3.2
19	A	12.48 09.7	0.7					0.6	3.6	
	H	12.48 09.0	0.5			-		3.3	2.6	2.4
	Z	12.48 10.0	1.0			-		1.5	0.6	2.5
19	A	13.54 47.9	0.9			+		1.1	5.1	
	H	13.54 47.3	0.6					1.2	1.0	3.6
	Z	13.54 48.7	1.0					2.5	1.0	2.5
19	A	13.56 59.7	0.8			-		0.4	2.3	
	H	13.57 00.1	0.7			+		1.4	1.6	3.7
	Z	13.57 01.0	1.1					1.0	0.4	2.3
19	A	14.12 26.6	0.9			+		1.8	3.4	
	H	14.12 25.8	0.5			-		2.8	2.9	
	Z	14.12 27.0	0.8			-		11.5	2.5	2.6
19	A	14.12 33.7	0.8			-		2.0	2.6	
	H	14.12 34.3	1.4			+		2.0	2.4	4.5
	Z	14.12 33.8	0.8			+		4.5	3.3	2.9
19	A	15.04 07.3	0.8			-		2.2	7.4	
	H	15.04 07.4	0.9					1.0	0.8	5.0
	Z	15.04 08.2	1.1			-		3.0	1.4	3.4
19	A	15.46 11.9	0.3			-		2.1	2.5	
	H	15.46 12.5	0.9					0.3	0.4	1.3
	Z	15.46 12.6	0.5					1.0	0.7	1.7
19	A	16.01 40.5	0.9					1.3	3.9	
	H	16.01 41.3	1.3					1.1	1.2	4.5
	Z	16.01 40.4	0.7					7.7		2.7
19	A	16.02 54.7	0.5					1.4	2.8	
	H	16.02	1.0					2.7	4.5	2.4
	Z	16.02 55.0	0.5					1.8	1.2	2.7
19	A	16.13 41.5	0.5					1.6	2.1	
	H	16.13 42.1	0.7					0.4	0.8	2.8
	Z	16.13 42.3	0.9			-		1.0	0.4	2.0
19	A	17.12 39.2	0.6					1.6	2.6	
	H	17.12	0.7			+		3.1	2.8	3.3
	Z	17.12 39.0	0.9			-		4.0	1.4	1.5
19	A	17.56 56.4	1.2					0.6	2.8	
	H	17.56 55.7	0.8			-		2.0	2.0	5.1
	Z	17.56 56.6	1.2					0.7	0.6	2.7
19	A	18.47 38.4	0.4					2.9	5.2	
	H	18.47 39.0	0.8					1.5	1.8	1.9
	Z	18.47 38.8	0.6			-		1.8	1.9	2.4
19	A	20.55 58.1	1.3					0.8	4.6	
	H	20.55 57.0	0.6					1.6	1.6	2.9
	Z	20.55 58.4	1.3					1.4	1.0	2.8
19	A	21.25 53.2	1.1					0.5	0.9	
	H	21.25 52.6	0.9			-		1.3	1.0	4.3
	Z	21.25 53.5	1.0					1.8	0.5	2.3
19	A	22.24 31.6	0.7					16.9	19.5	
	H	22.24 31.7	0.9			-		14.6	10.9	4.2
	Z	22.24 31.9	1.1			+			8.0	3.7
19	A	23.27 54.5	0.5					0.9	2.6	
	H	23.27 54.7	0.9			+		0.4	0.3	2.7
	Z	23.27 55.3	1.1					0.4	0.2	1.9
20	A	00.01 49.7	1.2					0.6	0.8	
	H	00.01 49.2	0.9			-		1.9	1.8	2.3
	Z	00.01 49.9	0.9					1.4	1.2	2.4

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.31 43.6	0.8				0.8	2.1		
20	H	02.31 43.2	0.7			+	2.6	2.8	4.0	2.5
	Z	02.31 44.2	1.1				2.1	1.0		
	A	02.32 12.1	0.4			-	1.4	2.6		
20	H	02.32 12.6	1.0				0.4		2.4	1.8
	Z	02.32 12.6	0.8			-	1.4	1.2		
	A	03.37 00.0	0.7				3.6	12.0		
20	H	03.37 00.5	0.8			+	2.9	5.2	4.0	3.2
	Z	03.37 00.8	0.9				3.7	1.6		
	A	04.31 21.0	1.2			+	1.8	4.8		
20	H	04.31 20.8	0.9			+	5.7	5.8	5.2	3.3
	Z	04.31 21.3	1.2				2.0	0.9		
	A	05.53 36.6	0.8				1.2	4.1		
20	H	05.53 36.0	0.5				3.3	2.5	2.8	2.6
	Z	05.53 37.0	1.1				0.8	2.0		
	A	11.47 16.5	0.5				6.4	16.2		
20	H	11.47 16.9	0.9			+	2.6	3.1	3.1	3.1
	Z	11.47 17.1	0.8			-	5.6	2.7		
	A	11.50 12.8	0.5				3.1	7.6		
20	H	11.50 13.4	1.0				0.3	0.2	3.5	2.2
	Z	11.50 13.5	0.8			-	0.9	0.8		
	A	13.15 50.8	0.8				2.6	9.0		
20	H	13.15 51.7	1.2			-	1.6	2.4	4.3	3.1
	Z	13.15 50.9	0.7				8.6	5.4		
	A	14.45 02.8	0.6			-	5.8	17.4		
20	H	14.45 03.1	0.8				3.2	4.8	3.7	3.3
	Z	14.45 03.6	0.9				3.4	2.0		
	A	15.17 45.0	0.6				1.2	1.8		
20	H	15.17 45.8	1.3				1.0	0.8	3.7	2.3
	Z	15.17 45.3	0.8					2.4		
	A	16.30 19.3	1.0			+	1.6	9.2		
20	H	16.30 19.1	0.5				1.7	1.9	3.0	2.8
	Z	16.30 20.0	1.1			-		1.4		
	A	17.10 28.2	0.6			-	0.8	4.3		
20	H	17.10 28.5	0.8			+	0.8	2.0	2.1	2.6
	Z	17.10 28.9	1.2					0.2		
	A	17.10 41.6	0.5				0.7	2.5		
20	H	17.10 42.1	0.8			+	0.6	0.7	2.9	2.0
	Z	17.10 42.4	0.9					0.2		
	A	18.11 03.9	0.5			+	6.2	14.1		
20	H	18.11 04.6	1.0			+	3.4	5.1	3.1	3.2
	Z	18.11 04.7	0.9					4.4		
	A	19.21 34.3	0.7			-	1.9	14.3		
20	H	19.21 34.1	0.6				5.5	4.0	3.1	3.2
	Z	19.21 34.7	1.0			-		5.7		
	A	19.24 05.5	0.6				0.8	4.0		
20	H	19.24 05.5	0.5				1.3	1.4	1.9	2.2
	Z	19.24 06.0	1.0					1.9		
	A	21.31 32.8	0.8				0.7	3.8		
20	H	21.31 32.6	0.7				1.6	2.0	3.8	2.6
	Z	21.31 33.0	0.9					1.4		
	A	21.34 46.1	0.8				3.2	17.8		
20	H	21.34 45.8	0.8				8.2	8.0	4.4	3.5
	Z	21.34 46.5	1.0			-		3.8		
	A	22.01 27.1	0.8			+	0.8	4.5		
20	H	22.01 26.9	0.8				3.8	3.8	3.9	2.9
	Z	22.01 27.4	0.9			-		2.0		
	A	22.09 24.2	1.1			-	1.8	5.3		
20	H	22.09 24.2	1.3				3.1	4.0	7.0	3.3
	Z	22.09 25.3	1.5			-		1.9		
	A	22.52 17.5	1.0			+	1.0	4.0		
20	H	22.52 17.1	0.8				6.2	5.0	3.9	3.1
	Z	22.52 17.7	1.0					1.2		
	A	23.29 53.7	1.0				2.0	2.4		
20	H	23.29 53.5	1.0				2.8	2.6	5.7	2.8
	Z	23.29 53.7	1.0			+		4.0		
	A	00.48 53.9	0.7			-	1.9	5.9	.	
21	H	00.48 53.7	0.6			+	6.0	6.0	2.8	2.9
	Z	00.48	0.9					1.0		
	A	01.21 55.9	0.7				3.4	12.7		
21	H	01.21 56.6	1.1				3.6	3.6	4.7	3.2
	Z	01.21 56.7	1.1					1.6		
	A	02.13 38.6	1.1				1.0	2.3		
21	H	02.13 38.1	1.9			-	2.6	3.8		2.9
	Z	02.13 38.4						3.1		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.17	0.7				1.7	6.0		
21	H	02.17 46.3	1.0			-	8.0	10.0	4.1	3.1
	Z	02.17 46.8	1.2					4.0		
	A	04.17 41.2	0.8			-	1.0	1.6		
21	H	04.17 41.9	1.3				1.4	1.6	3.9	2.5
	Z	04.17 41.2	0.6					3.4		
	A	04.44 19.3	0.8			-	1.4	2.1		
21	H	04.44 19.5	0.7				4.6	3.5	3.8	2.5
	Z	04.44 20.4	1.0					1.1		
	A	05.45 20.2	1.1			-		35.6		
21	H	05.45 21.3	1.5				8.2	10.8	3.9	4.1
	Z	05.45 20.2	0.6			+		11.0		
	A	06.07 27.1	0.9				0.8	3.8		
21	H	06.07 26.6	0.6			-	5.0	3.6	2.4	2.2
	Z	06.07 27.5	0.9					1.8		
	A	08.17 36.7	0.9				3.2	5.2		
21	H	08.17 36.4	0.8			+	8.8	7.1	4.9	3.4
	Z	08.17 36.7	1.1					1.8		
	A	08.32 40.5	0.9				0.8	2.2		
21	H	08.32 40.2	0.7				4.2	3.6	3.3	2.6
	Z	08.32 40.4	0.9			-		4.2		
	A	08.36 14.0	0.9				0.6	1.7		
21	H	08.36 14.0	0.7			-	1.3	1.5		2.4
	Z	08.36 14.8						1.4		
	A	09.49 51.3	0.9				1.3	3.6		
21	H	09.49 52.1	1.4				1.9	2.0	5.1	2.8
	Z	09.49 51.1	0.8			+		5.6		
	A	11.31 18.0	1.5				0.9	1.4		
21	H	11.31 17.7	1.0			+	3.0	3.1	3.8	2.8
	Z	11.31 18.4	1.3				1.8	1.0		
	A	11.57 01.3	1.1				0.8	1.6		
21	H	11.57 00.5				-	2.8	2.6		2.4
	Z	11.57 01.4	0.7				3.2	1.5		
	A	14.00 26.4	0.7				0.5	1.8		
21	H	14.00 26.5	0.7			-	2.0	2.0	3.1	2.8
	Z	14.00 27.1	0.8			-	4.4	1.8		
	A	15.09 55.9	0.8				0.8	2.4		
21	H	15.09 55.7	0.7			+	2.8	5.1	4.2	2.8
	Z	15.09 56.7	1.1					0.8		
	A	15.15 33.1	0.4					11.6		
21	H	15.15 34.2	1.0			-	0.4	0.6	2.3	2.2
	Z	15.15 34.2	0.7			+		1.6		
	A	15.30 45.1	1.0					3.2		
21	H	15.30 44.9	0.8			-	3.4	6.7	4.3	3.3
	Z	15.30 45.4	1.0					2.3		
	A	16.07 27.9	0.9					8.0		
21	H	16.07 27.3	0.5			+	5.0	5.0	3.3	3.1
	Z	16.07 28.5	1.1			-		2.4		
	A	16.32 52.2	1.0					1.5		
21	H	16.32 51.6	0.8			+	2.5	3.3		2.4
	Z	16.32 53.0						1.0		
	A	17.46 05.0	0.8					1.2		
21	H	17.46 04.7	0.7				1.1	1.0	3.4	2.2
	Z	17.46 05.3	0.9					2.0		
	A	18.33 22.7	0.9					1.2		
21	H	18.33 22.5	0.9				1.6	1.8	3.5	2.5
	Z	18.33	0.7					2.4		
	A	18.51 05.1	0.8			-		3.8		
21	H	18.51 04.6	0.6				5.1	4.6	2.9	2.5
	Z	18.51 05.5	0.9			-		2.6		
	A	19.11 36.0	0.7					3.0		
21	H	19.11 36.4	0.5				0.8		2.2	2.2
	Z	19.11 36.7	1.0					0.6		
	A	19.22 42.7	0.8					0.8		
21	H	19.22 42.1	0.7			-	0.8	1.6	3.3	2.6
	Z	19.22	0.8					1.2		
	A	19.27 01.1	1.1			+		4.0		
21	H	19.27 00.8	1.0				5.0	6.9	5.7	3.6
	Z	19.27 01.4	1.0					4.6		
	A	19.31 02.1	1.0							
21	H	19.31 01.9	0.9				1.3	1.2		2.4
	Z	19.31	0.5					1.0		
	A	20.21	0.4					7.8		
21	H	20.21 15.5	1.0				0.4	0.2	2.4	2.4
	Z	20.21 15.4	0.7			+		1.8		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
21	A	22.29 23.8	0.4			-		1.4		
	H	22.29 24.6	1.0				1.9	3.6	2.8	2.3
	Z	22.29 24.3	0.6					5.2		
22	A	01.33 43.0	0.9					2.1		
	H	01.33 42.8	1.0				0.8	1.6	5.1	2.5
	Z	01.33 43.4	1.3					0.7		
22	A	01.39 07.8	1.0					1.8		
	H	01.39 07.4	1.0			-	1.8	1.8	5.7	2.7
	Z	01.39 07.7	1.0					2.6		
22	A	04.18 57.3	0.9					3.0		
	H	04.18 58.0	1.5			-	1.4	2.5	3.7	2.9
	Z	04.18 57.1	0.6					2.2		
22	A	05.36 25.2	1.4				1.2	3.3		
	H	05.36 24.3	0.9				2.4	2.8	4.1	3.0
	Z	05.36 25.6	1.6					0.8		
22	A	06.04 42.5	0.5				11.1	7.6		
	H	06.04 43.4	1.0				1.0	1.2	3.5	2.8
	Z	06.04 43.1	0.8					2.6		
22	A	06.22 26.2	1.4				1.6	3.8		
	H	06.22 25.5	0.9			+	4.2	2.6	5.5	3.1
	Z	06.22 26.3	1.4					0.6		
22	A	08.28 16.3	0.8				1.0	6.2		
	H	08.28 15.3	0.5				4.4	3.4	3.1	2.9
	Z	08.28 16.4	1.0					1.0		
22	A	08.53 13.8	0.6				3.4	6.4		
	H	08.53 14.1	1.1			+	2.9	4.8	3.9	3.1
	Z	08.53 13.7	0.7					9.5		
22	A	09.14 24.8	0.7				1.0	4.6		
	H	09.14 24.6	0.7				3.4	4.9	3.3	2.9
	Z	09.14 25.1	0.9					1.9		
22	A	09.22 14.7	1.1				0.7	1.4		
	H	09.22	0.7				1.2	1.2	4.1	2.3
	Z	09.22 14.9	1.1					3.0		
22	A	12.21 32.5	1.0				2.7	4.8		
	H	12.21 32.0	1.0			-	7.6	8.2	5.7	3.3
	Z	12.21 32.2	1.0			-	10.5	3.6		
22	A	12.34 11.5	0.9				1.9	4.1		
	H	12.34 11.2	1.0				2.2	2.7	5.2	2.9
	Z	12.34 11.2	0.9				6.6	6.9		
22	A	14.16 40.4	1.5				6.6	14.8		
	H	14.16 40.3	2.0			+	7.7	11.9	7.5	4.2
	Z	14.16 40.2	1.2							
22	A	14.45 12.2	1.3				1.2	1.7		
	H	14.45 12.5	1.9			+	1.8	1.8	8.3	2.9
	Z	14.45 11.8	1.4				3.2	3.0		
22	A	15.41 53.7	0.6				7.1	28.2		
	H	15.41 53.6	1.0			+	2.3	5.0	4.1	3.5
	Z	15.41 54.2	1.0			-	6.8	2.0		
22	A	15.45 26.8	0.8				0.5	2.5		
	H	15.45 27.0	1.3			-	1.0	0.8	4.5	2.5
	Z	15.45 26.3	0.7				2.0	2.2		
22	A	16.23 27.5	0.6				0.6	2.2		
	H	16.23	0.5				2.2	2.3	2.0	2.2
	Z	16.23 28.1	0.9					0.4		
22	A	16.51 05.1	1.0			+	1.1	2.4		
	H	16.51 04.5	0.4				5.3	3.6	4.8	2.9
	Z	16.51 05.1	1.0				5.1	3.1		
22	A	17.41 27.0	0.6				1.0	3.0		
	H	17.41 26.5	0.6				1.3	1.6	1.7	2.3
	Z	17.41 27.4	0.7				1.4	0.6		
22	A	18.21 27.9	0.6			-	0.4	2.5		
	H	18.21 27.3	0.6				1.9	2.2	2.8	2.4
	Z	18.21 28.2	0.9				0.7	0.2		
22	A	18.50 32.8	1.0			-	1.4	4.8		
	H	18.50 32.0	0.7				3.4	2.9	4.1	2.9
	Z	18.50 32.7	1.1				4.2	3.0		
22	A	19.40 59.8	0.5			-	2.4	5.2		
	H	19.41 00.7	1.1				1.1	1.0	3.3	2.6
	Z	19.41 00.1	0.7				1.8	1.6		
22	A	20.39 05.2	0.7				0.6	1.6		
	H	20.39 05.4	1.0			-	0.9	1.0	2.7	2.2
	Z	20.39 05.0	0.5					3.4		
22	A	21.06 56.9	1.0				0.6	1.4		
	H	21.06 56.3	1.0				1.8	2.0	5.2	2.5
	Z	21.06 56.7	0.9				3.4	2.9		
22	A	21.29 50.3	0.6			+	16.5	14.6		
	H	21.29 50.8	0.8			+	1.6	2.2	3.6	3.0
	Z	21.29 50.8	0.8				2.0	3.6		
22	A	21.31 20.5	0.8					1.1		
	H	21.31 19.7	0.6				1.0	1.5	2.4	2.0
	Z	21.31 20.5	0.8				1.6	0.6		
22	A	21.45 55.1	0.7					2.1		
	H	21.45 54.8	0.7				1.6	1.9	3.1	2.4
	Z	21.45 55.2	0.8			-	2.2	0.6		
22	A	22.02 10.1	1.0					1.6		
	H	22.02 09.6	1.0			-	4.5	3.8	5.7	2.8
	Z	22.02 10.1	1.1				8.3	6.0		
22	A	22.11 13.7	0.8					1.4		
	H	22.11 13.3	0.7				1.0	2.0	3.3	2.4
	Z	22.11 14.0	0.8				3.0	2.4		
23	A	00.32 20.7	0.9			+		2.4		
	H	00.32 20.0	0.6				0.8	0.6	3.6	2.1
	Z	00.32 21.0	1.0				1.0	0.4		
23	A	01.22 45.4	0.8					3.3		
	H	01.22 44.8	0.6				2.7	1.1	3.3	2.6
	Z	01.22 45.5	0.9				0.8	0.6		
23	A	01.30 39.6	0.9				3.8	7.1		
	H	01.30 38.9	0.5				4.0	3.8	2.7	2.9
	Z	01.30 39.6	1.0					3.2		
23	A	02.58 17.3	1.0				1.4	2.2		
	H	02.58 16.7	0.8				11.5	16.0	4.9	3.2
	Z	02.58 17.4	1.1			-		5.4		
23	A	03.51 58.9	0.6				0.6	2.0		
	H	03.51 59.8	1.2				1.4	1.0	3.8	2.4
	Z	03.51 58.8	0.7					2.0		
23	A	03.53 15.7	1.5				1.2	2.0		
	H	03.53 14.7	1.0				2.0	3.8	3.1	3.0
	Z	03.53 15.9	1.3				1.0	1.0		
23	A	04.34 02.3	1.0				2.2	2.2		
	H	04.34 02.8	1.8				1.6	2.2	3.7	3.0
	Z	04.34 01.9	1.3					4.7		
23	A	05.00 33.4	0.9			+	2.1	8.6		
	H	05.00 32.7	0.5				1.8	2.2	3.3	2.8
	Z	05.00 33.6	1.1					3.9		
23	A	07.06 41.7	1.2				1.2	2.0		
	H	07.06 41.7	1.4				1.0	1.6	5.4	2.8
	Z	07.06 41.1	0.8					2.6		
23	A	11.15 27.5	0.8				1.4	5.4		
	H	11.15 26.8	0.5			+	3.0	2.9	3.0	2.7
	Z	11.15 27.6	1.0				1.9	1.4		
23	A	12.20 26.1	1.4				5.0	14.9		
	H	12.20 25.4	0.9			+	8.5	6.2	5.4	3.8
	Z	12.20 26.5	1.4			+		7.4		
23	A	15.10 15.0	1.1				1.8	2.3		
	H	15.10 14.8	1.0				7.0	5.3	6.1	3.1
	Z	15.10 15.5	1.1					6.0		
23	A	17.50 06.4	0.6				1.8	3.4		
	H	17.50 07.2	1.0				0.3	0.4	4.0	2.1
	Z	17.50 08.0	0.8			-		1.1		
23	A	17.56 39.9	0.5			+		20.6		
	H	17.56 40.5	1.0			+	3.9	7.4	3.5	3.5
	Z	17.56 40.7	0.9					3.8		
23	A	17.57 39.5	0.5					8.0		
	H	17.57 40.0	1.0				0.5	0.8	3.1	2.5
	Z	17.57 40.2	0.8					1.0		
23	A	21.04 24.8	1.2				2.4	4.5		
	H	21.04 24.5	0.9			+	6.5	4.8	6.6	3.3
	Z	21.04 25.3	1.2					2.1		
23	A	22.53 23.5	0.9			-	4.4	8.8		
	H	22.53 23.2	0.9			+	5.6	6.5	4.4	3.4
	Z	22.53 24.2	1.4			-		3.0		
23	A	23.20 42.7	0.5			-	3.4	4.8		
	H	23.20 43.4	0.7				0.4	0.7	2.8	2.2
	Z	23.20 43.1	0.8					1.3		
23	A	23.48 14.0	1.1				0.8	2.4		
	H	23.48 13.3	0.9				1.9	2.7	4.8	2.8
	Z	23.48 13.9	1.1			+	1.7	1.5		
24	A	00.13 54.8	0.4				3.6	4.8		
	H	00.13 55.2	0.9				1.4	2.2	2.6	2.6
	Z	00.13 55.2	0.7			-	2.8	3.9		

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	02.56 16.5	1.0			+	3.8	3.4		
24	H	02.56 16.1	0.9				3.6	6.8	5.1	3.1
	Z	02.56 16.8	1.0			+	2.2	1.3		
	A	05.04 36.9	1.0			+	12.2	11.6		
24	H	05.04 36.2	0.7				11.1	10.2	3.5	3.5
	Z	05.04 37.1	1.0			+	8.4	6.4		
	A	05.12 03.6	0.6				1.3	3.8		
24	H	05.12 03.3	0.6				2.4	2.4	2.8	2.5
	Z	05.12 04.1	0.9			+	1.2	1.5		
	A	09.53 43.9	1.2			-	0.6	2.1		
24	H	09.53 43.4	0.9				1.6	2.3	5.6	2.7
	Z	09.53 43.9	1.2			+	0.5	0.3		
	A	10.03	0.5				3.0	3.0		
24	H	10.03 06.7	0.6				1.0	0.8	2.3	2.1
	Z	10.03 07.2	0.9			-	1.0	0.7		
	A	10.44 38.8	1.2				13.0	18.2		
24	H	10.44 37.9	1.0				13.3	19.6	6.2	4.1
	Z	10.44 38.8	1.2				5.2	4.2		
	A	10.45 25.6	1.2				1.2	2.0		
24	H	10.45 25.2	0.9				1.8	4.6	4.8	2.9
	Z	10.45 25.8	1.1			+	2.4	2.6		
	A	10.49 15.6	1.2				1.2	2.2		
24	H	10.49 15.2	0.8				3.2	3.9	4.8	2.9
	Z	10.49 15.4	1.2				1.4	1.2		
	A	10.52 13.4	1.1				1.0	2.2		
24	H	10.52 12.7	0.9			-	2.6	3.6	5.3	2.9
	Z	10.52 13.1	1.2			+	0.9	0.9		
	A	12.23 18.3	1.1				2.6	1.8		
24	H	12.23 18.0	0.8				5.0	5.6	4.4	3.0
	Z	12.23 18.5	1.0			-	6.2	2.2		
	A	16.07 45.6	1.2			-	1.3	2.4		
24	H	16.07 45.1	0.8				3.8	3.6	4.3	2.8
	Z	16.07 45.9	1.1			+	3.3	2.0		
	A	17.19 39.3	0.5					24.2		
24	H	17.19 39.7	1.0				1.8	2.9	3.4	3.3
	Z	17.19 40.1	0.7			+	2.0	3.4		
	A	18.17 34.0	1.0					4.1		
24	H	18.17 33.8	1.0				3.6	4.0	5.2	3.1
	Z	18.17 36.9	0.9			+	15.0	7.9		
	A	18.41 02.7	1.2				3.6	10.0		
24	H	18.41 01.9	0.9				12.5	12.2	5.8	3.7
	Z	18.41 02.7	1.2				14.0			
	A	20.07 11.1	0.5				2.1	3.6		
24	H	20.07 12.0	1.3				0.8	0.6	2.4	2.4
	Z	20.07 11.4	0.7				3.6	1.7		
	A	23.40 48.1	1.4			-	7.0	3.5		
24	H	23.40 46.5	0.9				8.4	10.8	6.0	3.6
	Z	23.40 48.0	1.5			+	2.0	1.6		
	A	00.06 33.2	1.4				2.6	2.2		
25	H	00.06 32.5	0.8				3.1	3.1	4.6	2.9
	Z	00.06 33.6	1.5				1.0	0.8		
	A	00.33 01.3	1.2				5.9	13.7		
25	H	00.33 00.5	0.8				8.2	12.1	4.0	3.7
	Z	00.33 01.7	1.1				9.0	5.9		
	A	00.34 28.2	1.4				1.4	4.0		
25	H	00.34 27.0	0.7				3.6	4.0	2.1	3.1
	Z	00.34 28.4	1.4				0.8	1.0		
	A	00.36 16.5	1.1				1.2	2.2		
25	H	00.36 16.1	0.8				1.2	2.0	5.0	2.6
	Z	00.36 17.1	1.2			-	4.0	2.0		
	A	00.39 43.8	1.1				6.8	10.6		
25	H	00.39 42.7	0.8				6.7	4.6	5.1	3.5
	Z	00.39 44.1	1.2				6.2	6.7		
	A	00.39 50.7	1.1			+	6.2	15.6		
25	H	00.39 49.9	1.0				14.2	11.3	6.1	3.9
	Z	00.39 51.3	1.1				8.2	4.0		
	A	00.42 46.1	1.1				1.8	5.8		
25	H	00.42 45.3	0.6				2.8	3.4	3.9	3.0
	Z	00.42 46.7	1.1				3.0	2.0		
	A	02.53 22.6	0.8				1.8	4.6		
25	H	02.53 22.4	0.6				4.4	3.9	3.5	2.8
	Z	02.53 23.6	1.1				1.3	1.1		
	A	03.49 28.0	0.7				5.4	7.9		
25	H	03.49 28.0	1.0				2.0	3.4	4.4	2.9
	Z	03.49 28.5	1.1				3.5	1.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	06.12 34.5	1.0				4.5	8.0		
25	H	06.12 33.8	0.6			+	2.0	3.5	4.1	
	Z	06.12 34.8	1.2				4.2	2.6		
	A	09.47 38.4	0.8				3.1	5.7		
25	H	09.47 37.7	0.5			-	4.4	3.6	2.6	
	Z	09.47 38.9	0.9				1.3	0.4		
	A	14.10 17.8	1.2			+	1.4	2.6		
25	H	14.10 17.2	1.0			+	4.1	4.2	5.6	
	Z	14.10 18.2	1.1				2.8	1.3		
	A	15.42 10.2	1.0				1.3	3.4		
25	H	15.42 09.9	0.9			-	3.3	5.8	5.5	
	Z	15.42 10.1	1.1				5.6	6.0		
	A	18.12 50.5	1.1				4.1	4.2		
25	H	18.12 49.9	0.8			+	5.4	7.4	5.3	
	Z	18.12 50.9	1.2				6.0	4.9		
	A	19.03 56.0	0.9				3.8	5.6		
25	H	19.03 55.2	0.7				3.4	3.4	4.0	
	Z	19.03 56.6	1.0			-	3.6	2.3		
	A	19.23 59.3	1.3				1.2	1.7		
25	H	19.23 59.1	1.5			-	1.8	2.2	6.7	
	Z	19.23 58.9	1.0			+	3.0	4.0		
	A	20.29 09.4	0.6				9.3	15.4		
25	H	20.29 09.8	1.0				1.4	3.1	4.1	
	Z	20.29 10.2	1.0			-	4.6	2.0		
	A	20.45 03.5	0.6				21.6	36.0		
25	H	20.45 03.9	1.0			+	4.4	7.8	4.1	
	Z	20.45 04.2	1.0			-	14.6	4.0		
	A	21.01 44.9	1.0				2.5	2.1		
25	H	21.01 45.6	1.8			+	2.4	2.1	3.6	
	Z	21.01 44.5	0.9				2.6	5.8		
	A	21.21 13.4	0.5				5.4	6.2		
25	H	21.21 14.0	1.0				0.6	0.4	3.5	
	Z	21.21	0.8				1.6	1.4		
	A	21.33 15.4	1.3				4.1	3.0		
25	H	21.33 14.7	1.0			+	3.4	3.3	5.0	
	Z	21.33 15.7	1.1				2.9	1.4		
	A	22.08 15.0	0.6				3.1	4.0		
25	H	22.08 15.3	0.9				0.3	0.3	4.0	
	Z	22.08 15.6	1.0				1.9	0.8		
	A	22.16 41.0	0.9				18.0	9.8		
25	H	22.16 40.1	1.3			+	9.8	9.4	3.3	
	Z	22.16 41.3	1.5			+	8.8	4.2		
	A	23.39 27.1	1.4				6.8	3.2		
25	H	23.39 26.4	1.0			+	2.3	3.7	6.8	
	Z	23.39 27.5	1.5				2.2	1.7		
	A	05.43 55.5	1.2				1.5	2.3		
26	H	05.43 54.8	0.8			+	1.0	1.6	4.9	
	Z	05.43 55.8	1.2				4.2	2.0		
	A	06.55 32.5	0.9				11.6	12.6		
26	H	06.55 32.0	0.7			-	10.0	7.1	4.5	
	Z	06.55 32.5	1.0				16.4	5.8		
	A	07.26 22.3	0.8			+	51.6	30.4		
26	H	07.26 21.8	0.7				19.4	14.5	3.9	
	Z	07.26 22.5	0.9				25.6			
	A	07.32 22.9	0.8				9.4	5.6		
26	H	07.32 22.4	0.6				2.2	2.9	2.3	
	Z	07.32 23.2	0.8				0.8	1.0		
	A	08.32 09.4	1.0				3.2	3.2		
26	H	08.32 07.9	0.8				2.5	2.6	0.9	
	Z	08.32 09.5	0.7				11.1	6.0		
	A	09.28 18.1	0.9			+	11.8	7.7		
26	H	09.28 17.6	1.0			-	12.3	10.5	5.6	
	Z	09.28 18.2	1.0				35.7	10.6		
	A	15.37 31.4	0.9				1.5	2.3		
26	H	15.37 30.0	0.9				6.9	9.0	2.5	
	Z	15.37 31.4	0.6				6.4	5.4		
	A	18.04 05.2	0.7				10.6	14.0		
26	H	18.04 05.8	1.0				6.2	6.0	2.3	
	Z	18.04	0.4							
	A	18.47 59.6	0.6				11.0	9.5		
26	H	18.47 58.5	0.7				10.0		3.3	
	Z	18.47 59.6	1.0			-	5.6	5.8		
	A	20.26 22.1	0.9				1.2	2.4		
26	H	20.26 22.0	0.7				2.2	2.3	3.7	
	Z	20.26 22.6	0.9				2.8	1.8		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
26	A	20.36 06.1	0.8				5.8	4.1		
	H	20.36 06.4	1.1				5.6	5.4	3.5	3.2
	Z	20.36 05.8	0.6			-	42.6	9.0		
26	A	22.26 07.0	1.2				1.6	1.8		
	H	22.26 06.5	0.8				2.1	2.1	5.1	2.6
	Z	22.26 07.2	1.3				1.6	0.5		
26	A	23.52 14.9	0.8				1.6	1.8		
	H	23.52 14.6	0.5			+	3.0	3.4	3.0	2.5
	Z	23.52 15.6	1.0			-	1.0	0.6		
27	A	02.32 20.7	0.9				1.5	4.0		
	H	02.32 21.6	1.2				0.6	0.6	3.4	2.5
	Z	02.32 20.5	0.5			+	4.4	3.3		
27	A	02.39 53.2	0.9			-	2.3	3.1		
	H	02.39 53.4	1.0				0.4	1.0	5.5	2.6
	Z	02.39 54.1	1.3			-	1.3	1.4		
27	A	03.21 47.1	0.5				1.8	5.8		
	H	03.21 29.5	0.8				0.8	0.7	2.4	2.3
	Z	03.21 48.8	1.0				1.2	0.8		
27	A	08.24 29.7	0.9				1.8	2.6		
	H	08.24 29.4	0.9			+	1.2	2.0	5.9	2.7
	Z	08.24 30.2	1.3			-	1.6	1.0		
27	A	10.19 47.5	1.1				1.2	1.8		
	H	10.19 47.0	0.8			-	2.1	4.0	3.5	2.8
	Z	10.19 47.6	1.0				3.8	1.7		
27	A	10.51 57.7	1.4				5.4	9.7		
	H	10.51 56.6	0.8			+	9.0	5.0	2.8	3.6
	Z	10.51 57.6	1.4				2.9	3.2		
27	A	11.51 59.5					2.6	4.4		
	H	11.51 59.5	1.2				0.7	0.6		2.2
	Z	11.51 59.3	1.2			-	1.0	0.8		
27	A	16.20 37.5	0.8				3.8	4.9		
	H	16.20 36.9	0.6			-	2.7	2.4	3.6	2.7
	Z	16.20 37.9	1.0			-	2.1	1.7		
27	A	16.56 20.7	0.8				3.7	2.4		
	H	16.56 20.4	0.7			-	7.8	7.2	3.3	3.0
	Z	16.56 20.6	0.8			-	5.3	1.9		
27	A	17.59 59.0	1.2				3.8	3.2		
	H	17.59 59.2	1.7			+	0.8	2.5	8.0	3.1
	Z	17.59 58.7	1.2				5.6	3.8		
27	A	18.23 39.8	1.0				3.9	2.1		
	H	18.23 39.4	1.0			-	4.7	4.5	5.2	3.1
	Z	18.23 39.7	0.9			-	8.0	5.6		
27	A	19.57 53.8	1.4				7.6	8.4		
	H	19.57 52.7	0.9			+	12.2	9.2	5.7	3.7
	Z	19.57 53.8	1.5			-	7.0	8.0		
27	A	23.05 08.3	0.7				10.9	20.1		
	H	23.05 08.0	0.7			-	16.0	15.8	3.5	3.7
	Z	23.05 08.8	1.1			-	2.3	1.8		
27	A	23.08 01.0	0.6				3.6	1.5		
	H	23.08 01.0	0.8				1.6	3.4	3.1	2.7
	Z	23.08 01.0	0.7				6.7	3.6		
27	A	23.08 15.9	0.8				5.0	7.3		
	H	23.08 15.4	0.7				7.6	5.9	4.0	3.2
	Z	23.08 16.4	1.0				2.0	2.2		
28	A	00.04 03.0	1.2				11.2	10.0		
	H	00.04 01.8	0.7				18.0	11.2	4.9	3.7
	Z	00.04 03.0	1.4			-	3.3	3.0		
28	A	01.02 32.8	1.2				13.8	32.8		
	H	01.02 34.4	1.1				0.7	0.6	4.2	3.2
	Z	01.02 33.6	0.9				6.8	3.2		
28	A	01.06 33.8	0.4				6.4	18.4		
	H	01.06 34.5	1.0				0.7	0.3	2.8	2.7
	Z	01.06 34.3	0.7				3.6	1.9		
28	A	03.12 28.0	0.8			-	1.6	1.6		
	H	03.12 28.4	1.2				0.6	0.8	4.1	2.3
	Z	03.12 27.3	0.6				24.4			
28	A	03.16 39.1	0.8				3.2	7.4		
	H	03.16 38.3	0.6				5.0	5.9	3.6	3.1
	Z	03.16 39.2	1.0			-	1.0	1.0		
28	A	03.30 35.8	0.7				3.1	3.6		
	H	03.30 35.6	0.7			-	2.6	4.6	3.3	2.8
	Z	03.30 35.9	0.8				3.2	1.9		
28	A	04.05 19.2	0.4				3.8	7.6		
	H	04.05 20.3	1.0				0.6	0.3	2.7	2.4
	Z	04.05 19.9	0.9			+	3.9	2.4		
28	A	04.30 42.9	0.9			+	3.1	3.5		
	H	04.30 42.6	0.6			-	2.5	2.7	2.3	2.6
	Z	04.30 43.1	0.8			-	1.0	0.8		
28	A	05.08 42.0	1.2			+	17.0	7.4		
	H	05.08 41.1	1.1			+	6.5	7.2	7.3	3.8
	Z	05.08 42.1	1.5			+	5.9	4.1		
28	A	06.33 09.6	1.0				4.4	2.3		
	H	06.33 09.5	1.0			-	4.9	5.6	4.9	3.2
	Z	06.33 09.6	0.9			-	23.3	7.1		
28	A	07.29 00.6	1.3				2.4	2.5		
	H	07.28 59.3	1.2				3.4	3.0	7.5	3.0
	Z	07.29 01.1	1.3				1.2	0.6		
28	A	07.43 30.9	0.6				3.9	4.1		
	H	07.43 31.5	1.1			+	1.6	2.2	3.3	2.7
	Z	07.43 30.8	0.6			-	7.6	1.5		
28	A	08.01 48.0	0.8				2.6	3.0		
	H	08.01 47.6	1.0			-	1.5	2.4	4.7	2.8
	Z	08.01 46.6	0.8				2.0	1.1		
28	A	08.46 37.0	0.4				2.9	4.4		
	H	08.46 37.6	0.7				1.0	0.7	2.0	2.2
	Z	08.46 36.6	0.9			-	0.9	0.8		
28	A	14.33 32.7	0.9				3.8	6.9		
	H	14.33 32.4	0.8			-	3.0	3.0	4.5	3.0
	Z	14.33 33.0	1.0			-	3.9	1.4		
28	A	14.40 16.4	0.9				1.9	2.0		
	H	14.40 16.0	0.7			+	4.9	6.1	4.1	2.8
	Z	14.40 17.2	1.0				2.1	1.7		
28	A	15.01 10.8	1.0				7.9	7.0		
	H	15.01 10.6	0.6			-	5.0	7.1	3.0	3.2
	Z	15.01 11.1	1.0				4.1	3.4		
28	A	15.06 55.2	1.5				10.8	13.9		
	H	15.06 54.9	1.0			+	14.5	27.3	2.8	4.2
	Z	15.06 55.1	1.3			-	16.8			
28	A	15.12 27.1	0.8				6.1	4.4		
	H	15.12 26.6	0.6				3.8	3.7	3.7	2.9
	Z	15.12 27.5	1.0			-	2.2	1.8		
28	A	16.50 36.7	0.8				2.4	4.6		
	H	16.50 36.6	0.7			-	1.5	2.1	3.8	2.7
	Z	16.50 37.3	1.0			-	1.1	1.0		
28	A	17.15 23.7	1.0				14.9	7.8		
	H	17.15 23.6	1.0			-	13.8	10.3	5.1	3.8
	Z	17.15 23.6	0.9				21.2			
28	A	18.33 19.5	0.5				8.6	9.1		
	H	18.33 20.3	1.3			-	1.4	1.0	2.4	2.8
	Z	18.33 20.0	0.8				2.0	2.0		
29	A	01.07 46.5	1.0				3.0	2.0		
	H	01.07 46.2	1.0			-	3.8	3.2	5.7	3.0
	Z	01.07 46.7	1.0				6.0	7.7		
29	A	02.11 27.6	0.8				2.4	3.1		
	H	02.11 27.0	0.4				2.7	3.8	2.1	2.5
	Z	02.11 28.1	1.0				1.3	0.6		
29	A	04.26 46.1	0.3				3.0	5.2		
	H	04.26 46.7	0.7				0.6	0.4	1.4	2.0
	Z	04.26 46.8	0.8				0.6	0.6		
29	A	04.39 37.2	1.3			-	4.4	6.2		
	H	04.39 36.0	0.8			+	3.4	3.6	4.8	3.2
	Z	04.39 38.0	1.4				2.0	1.5		
29	A	04.48 40.1	0.8			-	12.6	17.0		
	H	04.48 39.6	0.8			-	19.7	18.0	4.6	3.8
	Z	04.48 40.6	1.0			-	10.6	10.0		
29	A	04.49 20.1	0.9			-	6.5	8.5		
	H	04.49 19.3	0.7				8.3	5.0	4.2	3.3
	Z	04.49 20.5	1.0				5.6	2.9		
29	A	05.50	1.7			+	15.2	7.8		
	H	05.50	2.1			+	6.2	5.7	9.0	4.1
	Z	05.50	1.4			+	21.6	9.6		
29	A	06.08 50.4	1.0			+	1.9	2.7		
	H	06.08 50.0	1.0			-	2.6	3.2	5.7	2.9
	Z	06.08 50.5	1.0			+	8.4	5.5		
29	A	06.25 47.0	1.0			+	1.6	1.6		
	H	06.25 46.9	0.8			-	6.4	4.6	4.2	2.9
	Z	06.25 47.3	0.9				7.4	3.6		
29	A	10.24 56.3	0.9				3.2	5.3		
	H	10.24 56.1	0.6			+	2.6	2.2	3.6	2.8
	Z	10.24 56.9	1.0				2.2	1.1		

Jul. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	11.00 05.7	0.9			+	1.7	3.8		
29	H	11.00 05.2	0.6			-	1.4	1.4	3.5	2.5
	Z	11.00 06.0	1.1			-	1.7	1.2		
	A	12.35 43.5	1.0				1.3	1.9		
29	H	12.35 43.2	0.6				2.3	3.2	1.7	2.6
	Z	12.35 43.7	0.9				3.4	1.2		
	A	13.51 46.7	0.8			-	3.0	8.3		
29	H	13.51 46.5	0.6			+	3.7	4.6	3.5	3.0
	Z	13.51 47.2	1.0			-	1.1	0.7		
	A	13.51 55.7	0.8			-	2.2	7.0		
29	H	13.51 55.3	0.7			+	2.7	2.2	3.9	2.9
	Z	13.51 56.0	1.0			-	1.2	0.8		
	A	13.57 40.8	0.9				3.0	2.4		
29	H	13.57 40.8	0.7			+	4.1	3.4	3.4	2.9
	Z	13.57 41.5	0.9				5.8	4.1		
	A	14.58 06.3	0.9				2.4	5.4		
29	H	14.58 05.9	0.6			+	2.7	2.4	3.7	2.8
	Z	14.58 06.6	1.0			-	2.2	2.4		
	A	16.30 44.0	0.9			+	2.0	3.4		
29	H	16.30 43.0	1.2				2.0	1.3	6.2	2.8
	Z	16.30 44.8	1.1				1.6	0.9		
	A	16.58 19.7	1.2				3.4	3.1		
29	H	16.58 19.4					4.7	4.5		3.0
	Z	16.58 19.8	0.9				3.2	2.5		
	A	17.10 08.7	1.3				9.0	5.1		
29	H	17.10 08.3	1.0			+	12.2	8.9	1.6	3.7
	Z	17.10 08.8	1.0			+	5.3	6.8		
	A	17.55 38.8	0.6			+	1.8	2.3		
29	H	17.55 38.8	0.7			+	2.2	3.1	3.2	2.5
	Z	17.55 39.0	0.8				2.6	1.2		
	A	18.56 55.3	1.0				3.2	2.9		
29	H	18.56 55.1	1.1			-	2.2	2.7	5.8	2.9
	Z	18.56 55.9	1.5			-	2.3	0.9		
	A	22.03 55.4	0.7				2.8	3.4		
29	H	22.03 55.4	0.8				1.7	2.0	2.5	2.6
	Z	22.03 55.9	1.2				1.4	1.1		
	A	00.58 36.8	0.9			-	2.4	4.2		
30	H	00.58 36.3	0.4				1.4	1.9	2.9	2.5
	Z	00.58 37.4	1.1				1.5	1.5		
	A	01.31 12.7	0.8				2.6	2.9		
30	H	01.31 13.3	1.4				1.8	2.8	4.4	2.9
	Z	01.31 12.6	0.8			+	2.7	2.7		
	A	01.35 37.6	1.3				1.8	2.8		
30	H	01.35 38.6	1.2				2.1	2.2	6.9	2.9
	Z	01.35 37.4	1.2			+	3.9	2.4		
	A	01.46 09.4	0.9			-	2.6	3.2		
30	H	01.46 09.6	1.2			+	2.6	2.6	4.7	2.9
	Z	01.46 08.9	0.7				7.4	11.3		
	A	04.08 58.0	1.1				3.8	2.4		
20	H	04.08 57.7	0.8				4.9	3.1	4.7	3.0
	Z	04.08 58.6	1.1				3.0	1.1		
	A	06.32 41.5	0.8			+	2.3	4.5		
30	H	06.32 42.1	1.1			+	1.4	1.7	3.9	2.8
	Z	06.32 41.0	0.6			+	10.7	2.5		
	A	07.08 12.6	1.1				2.3	3.6		
20	H	07.08 12.3	1.0			+	2.7	4.1	5.9	3.1
	Z	07.08 12.6	1.1			+		6.2		
	A	08.08 02.2	1.0				24.2	14.4		
30	H	08.08 01.7	1.0			+	17.1	18.2	6.0	4.1
	Z	08.08 02.2	1.1			+	73.7	21.7		
	A	08.34 42.2	0.8				3.4	5.2		
30	H	08.34 42.7	1.3			+	1.4	1.8	5.5	2.9
	Z	08.34 41.0	1.0			+	9.6	5.0		
	A	08.51 40.0	1.0			-	0.9	2.5		
20	H	08.51 39.7	0.9				3.2	5.5	5.4	3.0
	Z	08.51 39.4	1.0			-	2.1	1.4		
	A	08.52 45.0	0.7				2.1	5.6		
30	H	08.52 44.9	0.6				5.2	5.7	2.7	2.9
	Z	08.52 44.4	0.9				0.9	1.4		
	A	09.18 11.4	0.9				4.3	10.9		
30	H	09.18 12.2	1.3			+	7.1	5.8	5.2	3.6
	Z	09.18 11.1	0.8			+	34.0	5.3		
	A	09.20 25.5	0.8			+	2.8	6.4		
30	H	09.20 26.3	1.3				2.2	2.6	4.5	3.1
	Z	09.20 25.0	0.7			+	12.6	9.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	10.22 35.7	0.7			+	2.6	3.0		
30	H	10.22 36.8	1.3			-	1.6	2.3	4.1	
	Z	10.22 36.0	0.7				2.6	2.5		
	A	13.12 46.3	0.9				4.6	3.2		
30	H	13.12 46.8	1.4			-	0.6	0.8	4.4	
	Z	13.12 46.1	0.7					8.3		
	A	14.25 50.9	0.6			-	5.4	7.1		
30	H	14.25 52.0	1.3			-	3.3	2.4	3.1	
	Z	14.25 51.3	0.9			+	4.6	2.8		
	A	16.26 01.7	0.9				1.2	2.7		
30	H	16.26 02.3	1.2			+	1.4	1.7	4.2	
	Z	16.26 01.4	0.6				12.4	10.6		
	A	17.12 17.3	0.9				4.2	7.9		
30	H	17.12 17.1	0.4				1.9	2.9	2.7	
	Z	17.12 17.9	1.1			-	3.4	2.2		
	A	19.14 39.7	0.7				7.2	7.1		
30	H	19.14 39.9	0.9				7.1	7.0	4.4	
	Z	19.14 40.4	1.0				3.6	2.2		
	A	20.15 16.7	1.2				1.6	1.9		
30	H	20.15 17.1	1.1				1.8	4.0	6.1	
	Z	20.15 16.5	1.1			+	12.6	4.1		
	A	20.21 56.4	0.5			-	2.4	2.9		
30	H	20.21 57.1	1.2			+	1.0	1.4	2.4	
	Z	20.21 56.6	0.5				4.0	2.4		
	A	21.12 52.7	0.8				4.2	5.9		
30	H	21.12 52.4	0.4			-	3.8	2.6	1.9	
	Z	21.12 52.4	0.9				0.8	0.6		
	A	23.07 36.0	1.3				1.8	2.4		
30	H	23.07 35.6	1.0			-	2.3	3.2	6.3	
	Z	23.07 36.5	1.3				2.4	1.0		
	A	01.15 30.4	0.5				3.6	4.1		
31	H	01.15 30.8					1.6	1.8		
	Z	01.15 31.1	0.7				5.6	4.8		
	A	02.07 53.0	1.0				8.6	7.6		
31	H	02.07					7.3	6.6	4.8	
	Z	02.07 53.7	1.2			+	4.9	4.0		
	A	02.08 18.2	1.0				2.6	4.5		
31	H	02.08 18.0	0.6			-	2.1	2.0	3.5	
	Z	02.08 18.8	1.1			+	1.6	0.8		
	A	02.08 37.2	1.0				15.2	12.5		
31	H	02.08 36.8	0.8			+	8.3	5.8	5.4	
	Z	02.08 37.6	1.2			-	6.1	4.6		
	A	02.09 47.4	0.9				1.6	3.2		
31	H	02.09 47.2	0.6				1.2	1.0	1.9	
	Z	02.09 48.3	0.9				2.1	0.7		
	A	03.20 35.8	0.5				13.6	14.1		
31	H	03.20 36.5	1.0			+	0.8	1.4	3.5	
	Z	03.20 36.6	0.8			-	1.5	1.1		
	A	03.47 33.2	0.8				3.6	4.2		
31	H	03.47 34.2	1.3			-	2.6	2.9	4.1	
	Z	03.47 33.2	0.6				18.0	6.7		
	A	03.55 04.7	0.4				17.0	13.7		
31	H	03.55 05.4	1.0			+	1.8	1.6	2.8	
	Z	03.55 05.4	0.7			-	4.0	2.8		
	A	04.11 23.7	0.4				11.6	6.6		
31	H	04.11 24.6	0.8				2.4	3.3	1.5	
	Z	04.11 24.3	0.5			-	3.4	3.4		
	A	05.35 49.8	0.8				1.5	2.6		
31	H	05.35 50.6	1.2				0.9	1.2	3.8	
	Z	05.35 49.6	0.6				5.2	5.4		
	A	08.07 38.3	0.8				2.6	3.7		
31	H	08.07 38.3	0.7				2.1	2.8	3.3	
	Z	08.07 39.2	0.8			-	2.0	0.7		
	A	08.08 30.4	0.8				3.0	4.9		
31	H	08.08 30.7	0.7				2.4	5.8	3.8	
	Z	08.08 31.1	0.9				3.6	1.2		
	A	11.49 26.5	0.8				14.1	13.9		
31	H	11.49 26.3	0.7			+	13.3	8.0	4.1	
	Z	11.49 27.1	1.0			-	9.5	3.1		
	A	11.49 34.2	0.8			-	3.4	5.1		
31	H	11.49 34.1	0.6				3.6	3.0	3.3	
	Z	11.49 35.1	1.0			-	2.4	1.3		
	A	11.49 42.5	0.6			-	3.6	4.5		
31	H	11.49 41.9	0.5			-	4.9	3.6	2.1	
	Z	11.49 43.0	1.0			-	2.6	1.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	12.46 20.5	0.4				8.0	5.6		
31	H	12.46 21.6	1.2				0.4	0.4	2.1	2.3
	Z	12.46 21.1	0.7				2.4	2.5		
	A	15.16 57.9	1.0				1.2	1.4		
31	H	15.16 58.1	0.9				2.2	2.0	4.8	2.5
	Z	15.16 58.1	0.9				13.7	3.3		
	A	16.53 54.1	0.9				1.1	1.2		
31	H	16.53 54.0	0.8			+	1.6	1.4	4.1	2.3
	Z	16.53 54.4	0.9				4.5	2.6		
	A	18.57 06.4	0.3				2.9	3.5		
31	H	18.57 07.3	1.0				0.2	0.2	2.0	1.7
	Z	18.57 07.1	0.7				2.4	0.9		
	A	19.45 12.0	1.0				1.9	4.5		
31	H	19.45 12.0	0.7			+	1.6	2.7	4.8	2.8
	Z	19.45	1.2				1.8	1.4		

1966 August

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.26 50.2	1.0		-		4.4	10.2		
01	H	00.26 50.1	0.7				1.4	2.0	4.7	3.0
	Z	00.26	1.2				3.0	2.5		
	A	00.36 55.7	1.0		-		3.2	6.4		
01	H	00.36 55.8	0.6		-		0.8	1.0	3.4	2.6
	Z	00.36	1.0				2.7	1.4		
	A	01.48 12.3	1.1		-		1.2	2.1		
01	H	01.48 12.6	1.0		-		4.2	2.6	4.1	2.9
	Z	01.48 12.9	0.8		+		5.2	3.6		
	A	04.58 22.8	0.8				19.8	10.2		
01	H	04.58 22.8	1.0				7.0	7.6	4.8	3.6
	Z	04.58 23.7	0.8				2.5	1.6		
	A	05.32 05.8	1.1				3.1	3.0		
01	H	05.32 05.2	0.9		-		4.4	5.7	5.8	3.1
	Z	05.32 06.2	1.2				4.0	2.3		
	A	06.41 32.2	0.9				13.2	5.5		
01	H	06.41 31.9	0.9		+		7.4	9.6	4.2	3.6
	Z	06.41 32.3	0.8				23.2	5.6		
	A	06.56 30.1	0.8		-		2.5	4.2		
01	H	06.56 29.9	0.7				9.4	10.0	4.1	3.1
	Z	06.56 30.8	1.1				4.3	3.0		
	A	07.57 10.9	1.1				8.7	6.6		
01	H	07.57 10.2	0.9				12.1	18.2	6.0	3.7
	Z	07.57 11.1	1.3				12.0	6.0		
	A	08.36 56.7	0.9				7.7	4.3		
01	H	08.36 56.1	0.5		+		3.6	6.0	1.8	3.1
	Z	08.36 56.9	0.9				3.0	4.6		
	A	09.44 00.1	0.8				7.3	5.2		
01	H	09.44 00.2	0.5				3.6	4.0	2.3	2.8
	Z	09.44 00.4	0.9				1.6	1.0		
	A	09.44 34.5	1.0				61.6	26.8		
01	H	09.44 34.1	0.6		-		31.2	26.4	1.7	4.3
	Z	09.44 34.8	0.9				8.1	4.7		
	A	09.44 44.9	0.4				10.8	7.0		
01	H	09.44 43.8	0.7				7.4	7.8	0.9	3.1
	Z	09.44 44.4	0.5		+		1.8	1.0		
	A	10.01 30.4	0.8		-		4.0	5.1		
01	H	10.01 30.2	0.6		+		3.0	2.7	2.5	2.8
	Z	10.01 30.6	0.8		+		2.9	3.8		
	A	10.03 59.1	0.8				3.7	3.0		
01	H	10.03 59.2	0.5				3.5	4.6	3.1	2.7
	Z	10.03 59.3	1.0				1.2	0.6		
	A	10.10 43.0	0.8				2.5	2.3		
01	H	10.10 42.4	0.5				1.9	1.8	2.2	2.4
	Z	10.10 42.6	0.9				2.0	2.0		
	A	10.17 15.0	1.1		-		3.0	2.4		
01	H	10.17 14.6	0.9		+		1.4	1.4	6.0	2.7
	Z	10.17 15.2	1.3		+		3.2	2.2		
	A	10.29 45.8	0.8				3.1	2.2		
01	H	10.29 45.3	0.5				3.4	2.9	1.9	2.6
	Z	10.29 45.9	0.8				3.0	0.8		
	A	11.01 35.3	0.9				1.4	3.3		
01	H	11.01 35.1	0.6		-		3.0	3.3	4.0	2.7
	Z	11.01 35.9	1.1				1.2	0.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	12.04	1.5				1.2	1.6		
01	H	12.04 02.7	1.0			-	4.7	6.2	6.4	3.1
	Z	12.04	1.7			-	0.8	0.7		
	A	12.04	0.7				11.1	10.9		
01	H	12.04 36.4	0.7			+	9.6	8.6	3.4	3.3
	Z	12.04 37.1	1.0			-	7.6	3.7		
	A	12.37 02.1	1.2				1.6	2.1		
01	H	12.37 01.5	0.9				1.6	1.4	6.2	2.6
	Z	12.37 02.2	1.4				2.5	1.7		
	A	12.55 48.3	0.6				4.3	4.3		
01	H	12.55	0.7				1.2	0.9	3.1	2.4
	Z	12.55 48.2	1.0			-	1.8	0.8		
	A	14.48 45.8	0.9				3.9	4.2		
01	H	14.48 45.9	1.2			+	3.2	3.0	5.2	3.0
	Z	14.48 46.5	1.4			-	1.4	0.5		
	A	15.30 34.4	1.0			+	9.2	5.6		
01	H	15.30 34.2	1.1			-	9.4	9.7	6.1	3.6
	Z	15.30 34.5	1.0			-	19.2	19.7		
	A*	15.30 54.1	1.0			-	12.6	16.2		
01	H	15.30 54.3	1.0				13.8	10.4	5.7	3.9
	Z	15.30 54.1	1.0				14.0	13.7		
	A	16.59 01.2	0.9			-	2.0	3.8		
01	H	16.59 00.4	0.5				0.8	0.4	2.9	2.2
	Z	16.59 01.5	1.0				0.5	0.3		
	A	17.13 53.9	1.1				7.9	10.6		
01	H	17.13 53.0	0.7			+	6.0	11.2	2.8	3.6
	Z	17.13 53.9	1.0			-	9.1	5.2		
	A	18.24 51.9	1.0				10.0	6.1		
01	H	18.24 51.7	0.9			-	5.2	5.2	4.8	3.3
	Z	18.24 51.8	0.9				25.7	4.0		
	A	18.32 31.7	1.4				6.5	2.4		
01	H	18.32	1.2			+	2.4	3.1	8.1	3.3
	Z	18.32 31.6	1.4				2.0	1.1		
	A	20.13 15.0	0.7				1.1	3.4		
01	H	20.13 15.0	0.6				2.8	3.7	3.0	2.7
	Z	20.13 15.6	1.0				1.2	1.1		
	A	20.24 22.7	1.0				8.8	6.6		
01	H	20.24 22.6	0.8				8.0	6.4	4.6	3.4
	Z	20.24 22.8	1.0			-	20.5	4.0		
	A	20.24 40.8	0.9				1.3	1.8		
01	H	20.24 40.5	0.7				1.0	1.7	3.1	2.4
	Z	20.24 41.0	0.8				2.5	0.6		
	A	20.31 21.0	0.8				1.3	2.0		
01	H	20.31 20.7	0.8			-	1.2	1.6	4.1	2.4
	Z	20.31 21.2	0.9				2.5	1.0		
	A	21.03 41.0	0.6			+	5.3	6.6		
01	H	21.03 41.4	0.8				0.6	0.8	3.6	2.4
	Z	21.03 41.6	1.0				1.3	0.6		
	A	21.57 21.4	0.7				2.8	3.2		
01	H	21.57 22.1	1.1				0.8	0.6	4.2	2.4
	Z	21.57 21.8	0.8				1.9	1.8		
	A	22.37 06.0	1.1				1.6	2.0		
01	H	22.37 06.0	1.4			-	2.5	2.4	6.2	2.9
	Z	22.37 05.5	0.9				8.9	6.1		
	A	23.24 24.1	0.8			-	1.6	4.2		
01	H	23.24 25.0	1.3				0.8	1.0	4.0	2.6
	Z	23.24 24.3	0.6				1.6	1.5		
	A	23.57 15.5	0.5				2.7	4.4		
01	H	23.57 15.9	0.8				0.6	0.3	2.6	2.1
	Z	23.57 16.2	0.9				0.5	0.3		
	A	00.35 16.3	0.7				4.6	6.0		
02	H	00.35 15.9	0.6			-	3.4	3.7	3.0	2.8
	Z	00.35 16.5	0.9				1.8	1.0		
	A	00.39 57.5	0.7				8.2	10.7		
02	H	00.39 57.8	1.0			+	0.4	1.0	4.4	2.8
	Z	00.39 58.0	1.0			-	2.5	1.2		
	A	01.19 52.0	1.4				5.4	3.6		
02	H	01.19 51.2	1.0			+	4.2	6.6	6.4	3.4
	Z	01.19 52.1	1.4				1.7	1.3		
	A	01.23 21.3	0.9				2.1	2.2		
02	H	01.23 21.0	0.9				2.8	3.5	4.3	2.7
	Z	01.23 21.6	0.9				6.6	2.6		
	A	01.27 10.2	0.6				5.4	5.8		
02	H	01.27 10.5	0.9				0.5	0.9	3.9	2.5
	Z	01.27 10.7	1.0				2.4	1.2		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Aug. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
02	A	02.13 03.4	0.4				13.6	8.5		
	H	02.13 04.0	0.8			+	0.4	0.9	2.5	2.6
	Z	02.13 04.1	0.8				1.6	1.5		
02	A	03.10 01.8	0.9			-	2.6	4.1		
	H	03.10 01.8	1.1				1.2	2.0	5.1	2.8
	Z	03.10 02.5	1.4				2.0	0.9		
02	A	06.55 12.8	0.5				5.0	1.4		
	H	06.55	1.2			-	0.8	0.6	3.3	2.5
	Z	06.55 13.4	1.0			-	2.0	1.0		
02	A	08.50 47.1	0.7				8.0	4.3		
	H	08.50 46.9	0.6				5.5	6.6	2.5	3.1
	Z	08.50 47.1	0.8				10.0	8.0		
02	A	11.16 13.7	1.0				10.4	8.4		
	H	11.16 13.4	1.0			+	9.2	8.3	5.8	3.6
	Z	11.16 13.9	1.1			+	7.7	6.0		
02	A	11.18 13.4	0.9				6.4	4.3		
	H	11.18 13.1	0.6				3.7	3.8	3.6	2.9
	Z	11.18 13.9	1.0				2.7	1.6		
02	A	13.26 51.1	0.5				1.6	2.6		
	H	13.26 51.7	0.8				0.4	0.3		1.9
	Z	13.26 52.0	0.2				1.6	1.3		
02	A	13.55 50.1	0.7				6.0	8.8		
	H	13.55 49.9	0.8				4.9	6.7	3.8	3.2
	Z	13.55	0.9			+	11.0	5.0		
02	A	16.17 05.8	0.8				2.6	7.6		
	H	16.17 05.4	0.5			-	3.4	2.8	2.2	2.8
	Z	16.17 06.2	0.9			+	2.4	0.9		
02	A	19.18 49.0	1.3			+	6.8	7.0		
	H	19.18 48.7	1.2			+	6.3	4.8	7.5	3.5
	Z	19.18 49.3	1.2				5.4	2.4		
02	A	19.47 31.1	0.6				7.8	5.8		
	H	19.47 31.7	1.1			-	4.0	4.8	3.3	3.2
	Z	19.47 31.1	0.6			-	19.8	9.3		
02	A	19.47 41.2	0.7			+	4.2	3.8		
	H	19.47 41.7	1.0			-	2.3	2.4	3.8	2.8
	Z	19.47 41.0	0.7				12.1	5.7		
02	A	21.41 06.8	1.4				4.4	4.9		
	H	21.41 06.2	1.0			+	3.1	6.4	4.3	3.4
	Z	21.41 07.1	1.1			+	2.0	3.1		
02	A	22.28 57.8	0.9				4.8	7.3		
	H	22.28 57.2	0.7			+	4.7	6.3	4.3	3.2
	Z	22.28 58.3	1.2			-	3.0	1.2		
02	A	23.08 23.1	0.7			+	5.1	2.2		
	H	23.08 23.2	0.8			+	2.6	4.4	3.6	2.9
	Z	23.08 23.6	0.8			-	4.6	1.9		
02	A	23.17 10.0	1.3			+	15.6	9.8		
	H	23.17 09.5	0.9			+	7.0	9.6	6.3	3.8
	Z	23.17 10.5	1.5			+	8.8	7.3		
03	A	01.29 33.5	1.4				19.2	10.3		
	H	01.29	1.3			-	7.0	8.0	6.2	4.0
	Z	01.29 33.3	1.1				22.4	14.0		
03	A	01.44 26.2	1.3				1.7	1.9		
	H	01.44 26.8	1.1			-	1.6	2.0	5.8	2.8
	Z	01.44 26.2	1.1			-	5.2	9.8		
03	A	02.23 09.1	0.5				4.7	7.3		
	H	02.23 09.7	0.9			-	2.7	3.1	2.8	2.8
	Z	02.23 09.7	0.7			-	13.1	6.0		
03	A	03.47	0.6			+	14.9	7.7		
	H	03.47 07.0	1.0			-	4.6	4.1	3.4	3.3
	Z	03.47 07.0	0.6				7.0	10.1		
03	A	04.14	0.7					11.9		
	H	04.14 47.7	0.7				1.0	1.1	3.5	2.7
	Z	04.14 46.7	1.0				4.6			
03	A	04.14	0.4			+		7.3		
	H	04.14 58.9	1.1				0.7	0.5	2.5	2.4
	Z	04.14 58.6	0.7				1.7			
03	A	04.15 01.8	0.5			+		3.4		
	H	04.15 02.6					1.4	1.6		2.0
	Z	04.15 02.7	0.7				4.5			
03	A	04.20 51.5	0.4			+	21.6	14.0		
	H	04.20 52.3	0.8			+	0.9	0.9	2.7	2.8
	Z	04.20 52.4	0.8				1.6			
03	A	04.37 58.5	0.6			+		4.0		
	H	04.37 59.9	0.8			-	0.9	0.6	1.7	2.3
	Z	04.37 59.5	0.5				1.4			

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
03	A	04.41 17.5	0.8			+	3.0	2.6		
	H	04.41 17.5	0.7			-	2.8	3.6	3.3	2.9
	Z	04.41 18.0	0.8				13.4			
03	A	04.54 26.7	0.8			-	9.6	18.0		
	H	04.54 27.5	1.3			-	9.4	13.3	4.9	3.6
	Z	04.54 26.8	0.8				30.5			
03	A	05.38 00.6	0.7				17.1	32.0		
	H	05.38 02.5	1.0				9.0	9.4	4.8	3.6
	Z	05.38 02.3	1.0				35.0			
03	A	06.43 55.5	0.6			-	16.4	15.0		
	H	06.43 56.6	1.1			-	2.4	2.2	3.8	3.5
	Z	06.43 56.5	0.7				6.4	5.3		
03	A	07.06 25.9	0.6			+	4.8	2.6		
	H	07.06 27.2	1.2				0.4	0.6	3.6	2.6
	Z	07.06 26.6	0.8				0.7			
03	A	07.54 21.9	0.6			+	3.3	8.0		
	H	07.54 23.0	1.3				1.0	1.8	3.4	2.9
	Z	07.54 22.5	0.8			+	1.6	1.2		
03	A	07.57 42.9	0.5			-	18.0	13.8		
	H	07.57 43.0	0.9			+	1.8	3.6	3.1	3.1
	Z	07.57	0.8				3.0	2.0		
03	A	08.24 47.5	0.6			-	6.0	2.4		
	H	08.24 48.4	1.3				1.9	1.6	3.9	2.9
	Z	08.24 47.8	0.7				3.9	4.4		
03	A	09.06 54.0	0.8			-	3.6	3.0		
	H	09.06 54.5					3.9	5.0		3.2
	Z	09.06 54.5	0.7			+	4.3	5.8		
03	A	11.03 47.5	0.7				1.7	3.2		
	H	11.03 48.3	1.2				1.2	1.1	2.4	2.6
	Z	11.03 47.5	0.4				10.2	5.5		
03	A	12.43 41.2	0.9			+	1.3	2.3		
	H	12.43 41.2	0.7			+	2.2	2.4	3.2	2.5
	Z	12.43 41.9	0.9				5.2	3.4		
03	A	13.53 55.0	0.5			+	10.4	19.3		
	H	13.53 56.2	1.2				3.1	2.9	3.1	3.3
	Z	13.53 56.0	0.9			+	11.7	6.4		
03	A	14.17 13.0	1.0			+	3.6	4.1		
	H	14.17 12.9	0.7			+	9.0	5.3	4.1	3.1
	Z	14.17 13.9	1.0			-	5.5	6.0		
03	A	14.33 37.4				-	1.8	4.4		
	H	14.33 36.6	0.6			-	3.6	3.5		2.9
	Z	14.33	0.9				1.4	1.0		
03	A	14.51 31.2	1.3				0.8	3.6		
	H	14.51 30.7	0.6			-	4.4	3.4	2.4	2.9
	Z	14.51	1.3				0.6	0.7		
03	A	15.30 20.0	1.4				3.3	4.7		
	H	15.30 19.4	0.9				6.1	5.6	5.9	3.3
	Z	15.30	1.4				3.2	6.1		
03	A	17.03 22.3	1.2			+	1.0	2.3		
	H	17.03 21.7	0.8			+	2.9	3.4	3.8	2.8
	Z	17.03 22.8	1.1				2.6	1.7		
03	A	20.14 48.2	0.6			-	10.3	8.8		
	H	20.14 49.1	1.2			-	4.9	5.1	3.1	3.2
	Z	20.14 48.3	0.6			+	20.8	11.7		
03	A	20.26 18.0	0.9			+	2.0	2.6		
	H	20.26 17.7	0.5			-	4.9	4.2	2.4	2.7
	Z	20.26 18.9	0.9				1.0	0.5		
03	A	21.48 14.8	1.5				2.2	5.1		
	H	21.48 14.0	0.8			-	6.1	6.1		3.4
	Z	21.48	1.4				1.4	0.8		
03	A	22.36 42.1	1.0			+	7.4	11.1		
	H	22.36 41.8	0.6			+	6.4	4.7	3.4	3.3
	Z	22.36 42.9	1.1			-	3.8	2.4		
03	A	23.45 27.5	1.3				3.7	4.0		
	H	23.45 28.3	1.8			+	1.7	2.2	7.4	3.2
	Z	23.45 27.9	1.2			+	4.9	5.4		
04	A	01.43 59.5	0.9				2.6	4.2		
	H	01.43 59.3	0.5			-	2.2	2.5	2.6	2.6
	Z	01.44 00.2	1.1				2.0	0.8		
04	A	04.13 14.6	0.8			+	2.1	2.3		
	H	04.13 14.7	0.7			-	3.8	4.3	3.6	2.7
	Z	04.13	0.8			-	4.8	1.9		
04	A	04.25 27.9	0.5			-	5.0	13.7		
	H	04.25 29.1	1.2			-	0.6	0.6	2.7	2.6
	Z	04.25 29.1	0.8				1.8	1.7		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Aug. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	05.24 44.3	0.8				1.5	3.0		
04	H	05.24 44.0	0.5			-	1.3	1.3	2.1	2.3
	Z	05.24	0.9				0.8	0.5		
	A	05.57 56.6	0.8			+	2.0	3.6		
04	H	05.57 56.6	0.7				1.6	2.7	3.5	2.6
	Z	05.57	0.9			-	0.7	0.6		
	A	06.49 59.3	0.5			+	3.4	4.0		
04	H	06.49 59.9	1.0				0.6	0.5	3.2	2.2
	Z	06.50 00.1	0.7				2.1	1.5		
	A	07.26 22.1	0.8				1.8	3.0		
04	H	07.26 22.1	0.6				1.2	1.4	2.7	2.4
	Z	07.26	0.8				1.2	0.5		
	A	08.48 44.2	0.9			+	3.4	2.5		
04	H	08.48 44.1	0.6			-	8.6	7.6	2.7	2.9
	Z	08.48	0.9				7.0	3.7		
	A	08.50 08.9	0.9				1.0	3.0		
04	H	08.50 08.7	0.9			+	0.8	0.7	5.4	2.4
	Z	08.50	1.1			-	1.1	0.3		
	A	08.57 31.0	0.7				9.5	6.0		
04	H	08.57 30.7	0.5			-	6.6	7.3	2.7	3.1
	Z	08.57	1.0			-	1.7	0.9		
	A	09.21	0.6			+	6.5	3.6		
04	H	09.21 25.7	0.8				1.6	2.8	3.1	2.8
	Z	09.21 25.3	0.7			-	3.0	5.0		
	A	09.34 01.3	0.8			+	12.4	8.4		
04	H	09.34 01.0	0.7				15.0	13.7	4.0	3.5
	Z	09.34	1.0			-	3.9	2.3		
	A	10.18 48.6	0.5				8.8	4.5		
04	H	10.18 49.7	1.3				1.0	0.8	1.9	2.8
	Z	10.18 49.5	0.9			+	1.7	1.4		
	A	11.33 52.6	1.0			-	3.4	4.8		
04	H	11.33 52.6	0.9				16.9	15.6	5.4	3.5
	Z	11.33	1.1			-	15.2	6.0		
	A	11.37 36.9	1.1			-	3.0	3.0		
04	H	11.37 36.5	0.9			+	7.6	5.4	4.8	3.1
	Z	11.37	1.0			-	10.2	5.6		
	A	11.59 48.7	0.8				4.8	3.8		
04	H	11.59 49.6	1.2			+	1.6	2.2	4.1	2.9
	Z	11.59 49.1	0.6					5.0		
	A	12.23 43.0	0.9				1.4	2.7		
04	H	12.23 42.9	0.9			-	5.0	7.5	5.3	3.1
	Z	12.23 43.5	1.0					2.0		
	A	15.34 52.4	1.0			+	1.1	5.9		
04	H	15.34 52.3	0.7			+	1.4	2.2	4.4	2.8
	Z	15.34	1.2					1.6		
	A	21.33 48.8	1.2				48.4	35.4		
04	H	21.33 48.2	0.8			+	32.9	20.0	5.3	4.4
	Z	21.33	1.3					15.2		
	A	21.36 44.4	1.0			+	15.7	7.0		
04	H	21.36 44.0	1.0			+	11.9	10.8	5.7	3.8
	Z	21.36	1.0				12.4	5.8		
	A	21.54 27.0	1.1				2.2	1.8		
04	H	21.54 26.7	0.8			+	3.6	3.1	4.0	2.8
	Z	21.54	1.0				2.0	1.4		
	A	23.06 20.2	1.0			+	1.8	1.1		
04	H	23.06 19.6	0.8			+	2.4	2.4	5.3	2.6
	Z	23.06 20.5	1.2				2.6	1.0		
	A	01.39 21.6	1.0				1.6	2.3		
05	H	01.39 22.0	1.4			-	0.3	0.4	3.2	2.4
	Z	01.39 21.3	0.5				7.0	7.0		
	A	02.17 08.6	1.3				7.7	5.0		
05	H	02.17 07.8	1.0			+	9.0	12.4	6.1	3.7
	Z	02.17 08.8	1.3				6.0	3.6		
	A	04.09 57.0	0.8				0.8	1.3		
05	H	04.09 57.4	1.6			-	0.6	0.5	1.6	2.3
	Z	04.09 56.6	0.6			-	5.0	3.8		
	A	04.13 50.5	0.6				1.2	2.6		
05	H	04.13 50.4	0.6				2.1	2.7	2.7	2.4
	Z	04.13	0.8				1.4	1.0		
	A	04.43 32.1	0.7				1.6	2.8		
05	H	04.43 31.8	0.6				2.6	3.5	2.8	2.6
	Z	04.43 32.6	0.8				1.4			
	A	05.05 30.0	1.2				1.5	1.2		
05	H	05.05 28.9	1.0			+	0.9	1.4	6.6	2.5
	Z	05.05 30.0	1.3				2.4	0.6		
	A	05.16 43.8	0.5							
05	H	05.16 44.8	1.0							
	Z	05.16 44.2	0.8							
	A	06.32 21.8	0.4			-				
05	H	06.32 22.6	1.1			-				
	Z	06.32 22.4	0.7			+				
	A	07.57 25.1	0.9							
05	H	07.57 24.4	0.7			+				
	Z	07.57 25.4	1.1							
	A	10.26 33.5	1.0			+				
05	H	10.26 33.2	1.0			-				
	Z	10.26 33.3	0.8							
	A	10.40 30.5	1.0							
05	H	10.40 31.2	1.8							
	Z	10.40 30.0	0.9							
	A	14.16 18.5	0.7							
05	H	14.16 19.1	1.1							
	Z	14.16 18.4	0.8							
	A	16.43 59.4	0.7							
05	H	16.43 58.7	0.8			+				
	Z	16.44 00.0	1.2							
	A	17.40 51.7	1.5							
05	H	17.40 52.0	1.8			+				
	Z	17.40 51.4	1.2							
	A	18.38 59.5	0.9							
05	H	18.39 00.0	1.4			-				
	Z	18.38 58.9	0.6			-				
	A	20.12 18.4	0.6							
05	H	20.12 18.0	0.6			-				
	Z	20.12 19.0	1.0							
	A	20.57 30.3	1.0							
05	H	20.57 29.9	0.9							
	Z	20.57 29.5	0.9							
	A	21.48 41.3	1.0							
05	H	21.48 41.8	1.5			+				
	Z	21.48 41.9	1.0							
	A	22.14 43.3	0.9			-				
05	H	22.14 43.0	0.5			-				
	Z	22.14 43.6	1.0			+				
	A	22.24 38.5	1.0							
05	H	22.24 38.7	1.1			+				
	Z	22.24	1.4							
	A	22.30 06.6	0.8			-				
05	H	22.30 06.0	0.6							
	Z	22.30	1.0			-				
	A	22.32 45.4	0.8			-				
05	H	22.32 44.5	0.6			-				
	Z	22.32 45.4	0.9							
	A	22.37 29.4	0.9							
05	H	22.37 28.4	0.5			+				
	Z	22.37 29.9	1.1							
	A	22.40 23.9	0.9			-				
05	H	22.40 23.3	0.5			-				
	Z	22.40	1.0							
	A	03.14 15.6	1.0			-				
06	H	03.14 14.5	0.5			+				
	Z	03.14	1.2			-				
	A	03.47 44.8	1.0							
06	H	03.47 43.9	0.7			+				
	Z	03.47	1.2							
	A	03.49 23.7	1.0			+				
06	H	03.49 22.7	0.6							
	Z	03.49 24.2	1.2			-				
	A	03.57 13.2	1.0							
06	H	03.57 12.5	0.5							
	Z	03.57 13.9	1.3							
	A	06.20 58.6	1.1			-				
06	H	06.20 58.7	1.2			+				
	Z	06.20 59.4	1.4							
	A	06.58 15.0	1.0							
06	H	06.58 14.8	0.9							
	Z	06.58 15.4	1.1							
	A	07.54 03.6	1.0			-				
06	H	07.54 02.8	0.6			+				
	Z	07.54	1.1			-				

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Aug. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
06	A	11.07 19.5	1.2				1.1	3.8		
	H	11.07 19.5	1.0			+	1.4	1.6	6.0	2.8
	Z	11.07	1.2				1.6	0.9		
06	A	13.24 57.9	0.9				2.8	2.9		
	H	13.24 58.9	1.3				1.7	1.6	5.9	2.8
	Z	13.24	0.9				4.3	4.9		
06	A	14.32 07.5	0.9				2.1	4.0		
	H	14.32 07.4	0.5			-	6.0	6.7	1.9	2.9
	Z	14.32	0.9				1.5	1.4		
06	A	17.29	0.5				1.6	4.4		
	H	17.29	0.9				0.4	1.4	3.1	2.5
	Z	17.29	0.7				2.8	3.0		
06	A	18.44 42.3	1.0				3.2	1.6		
	H	18.44 42.3	0.7			+	7.6	12.4	4.1	3.2
	Z	18.44	1.0				3.8	2.4		
06	A	19.10 42.2	1.3				4.1	2.7		
	H	19.10 41.4	0.8			-	14.8	9.4	5.1	3.4
	Z	19.10 43.1	1.6				1.2	1.1		
06	A	19.40 13.7	0.8				1.4	2.6		
	H	19.40 13.5	0.7			+	6.8	7.0	3.9	2.9
	Z	19.40	1.0				3.0	1.1		
06	A	20.16 38.5	1.3				2.3	3.6		
	H	20.16 38.3	1.0				15.0	10.4	6.3	3.5
	Z	20.16 39.1	1.3				4.6	2.2		
06	A	20.38 51.3	1.0				1.6	1.5		
	H	20.38 51.4	0.9				3.6	3.4	5.1	2.7
	Z	20.38 51.5	1.0				6.4	5.7		
06	A	21.24 22.1	1.2				2.3	2.1		
	H	21.24 22.3	1.0			+	7.3	5.4	5.1	3.1
	Z	21.24 22.6	1.0			+	7.1	6.6		
06	A	22.31 06.1	0.7			+	2.1	2.7		
	H	22.31 06.4	0.8				3.1	4.6	3.6	2.7
	Z	22.31 06.9	0.8			-	2.1	1.0		
07	A	00.45 15.4	0.3			-	14.8	20.0		
	H	00.45 16.3	0.9				1.7	1.6	2.1	2.8
	Z	00.45	0.7			+	1.8	1.6		
07	A	00.53 33.7	0.9			+	2.1	5.8		
	H	00.53 33.7	0.7				2.4	4.4	4.6	3.1
	Z	00.53	1.2				2.3	1.0		
07	A	01.12 10.7	1.0			+	7.3	3.2		
	H	01.12 10.8	0.6			-	8.0	6.1	1.8	3.3
	Z	01.12	0.9			-	4.4	4.4		
07	A	03.12 49.2	0.4				7.8	3.0		
	H	03.12 50.2	0.9				1.2	1.4	2.8	2.6
	Z	03.12 50.1	0.8			-	2.2	2.4		
07	A	03.44 55.7	1.1				2.5	2.4		
	H	03.44 55.5	0.9			+	3.9	3.1	5.8	2.9
	Z	03.44	1.2				2.6	2.0		
07	A	04.03 13.8	0.9			+	5.3	5.0		
	H	04.03 14.0	0.6				3.3	4.7	2.5	2.9
	Z	04.03 14.5	0.9			-	7.4	5.4		
07	A	04.58 18.1	1.0			+	5.0	8.0		
	H	04.58 18.1	0.7				4.4	3.0	3.9	3.1
	Z	04.58	1.1			-	3.2	1.7		
07	A	05.53 37.4	1.4				1.5	2.8		
	H	05.53 38.6	1.8				0.8	0.8	8.1	2.8
	Z	05.53 37.8	1.2				3.2	4.6		
07	A	07.25 49.3	0.4			+	8.8	6.8		
	H	07.25 49.8	1.2				1.6	2.2	1.6	2.9
	Z	07.25	0.8				2.7	3.0		
07	A	11.09 45.0	0.8			+	7.3	7.2		
	H	11.09 45.3	0.6			+	9.0	7.4	3.3	3.2
	Z	11.09	1.0			-	3.1	1.4		
07	A	11.25 27.7	1.6				1.0	1.3		
	H	11.25 28.9	2.0			+	1.0	0.5	8.0	2.8
	Z	11.25	1.3				1.4	3.4		
07	A	14.53 06.0	0.8				8.3	14.2		
	H	14.53 06.3	0.6			+	4.1	3.7	3.4	3.1
	Z	14.53 06.7	1.1				4.0	1.3		
07	A	16.02 03.2	1.0				2.0	1.8		
	H	16.02 03.5	0.9			-	2.9	4.0	5.3	2.8
	Z	16.02 03.7	1.0				5.8	4.3		
07	A	17.11 25.4	1.1			-	3.9	8.0		
	H	17.11 25.9	1.1			-	10.6	11.2	6.3	3.6
	Z	17.11	1.1				8.6	12.6		
07	A	19.16 06.6	1.1				1.3	1.7		
	H	19.16 08.1	1.8			-	0.3	0.4	4.8	2
	Z	19.16 06.8	1.0				2.5	2.0		
07	A	19.40 43.5	0.9				1.4	3.6		
	H	19.40 43.6	0.6			+	4.2	4.0	3.5	2
	Z	19.40	1.1			+	1.6	1.6		
07	A	19.57 00.2	0.9			-	11.4	16.9		
	H	19.56 59.9	0.6				13.8	7.8	4.0	3
	Z	19.57 00.7	1.1			-	5.3	4.3		
07	A	21.28 53.4	0.7				1.9	3.4		
	H	21.28 53.5	0.7				2.0	3.1	2.8	2
	Z	21.28 53.7	0.7			-	3.4	2.7		
07	A	21.31 34.9	0.9				2.8	3.3		
	H	21.31 35.0	0.6				2.2	2.8	2.5	2
	Z	21.31	0.9			-	2.8	3.0		
07	A	23.15 51.2	0.8				4.2	7.4		
	H	23.15 51.8	0.6				4.8	6.4	3.5	3
	Z	23.15	0.9				1.7	1.0		
07	A	23.17 49.2	0.7				1.2	3.3		
	H	23.17 49.8	0.7				1.5	1.8	3.5	2
	Z	23.17 49.4	0.9			-	1.2	0.7		
08	A	00.48 08.9	1.1			-	2.4	1.8		
	H	00.48 09.0	1.1				1.0	1.9	7.1	2
	Z	00.48	1.3				0.8	0.6		
08	A	00.50 25.5	0.6				3.4	5.2		
	H	00.50 26.3	1.0			+	2.0	2.2	2.9	2
	Z	00.50 25.4	0.5			-	29.9	4.0		
08	A	01.25 39.8	0.9				1.2	3.2		
	H	01.25 39.5	0.6				0.4	0.8	4.2	2
	Z	01.25	1.2			-	1.4	0.6		
08	A	02.10 09.1	0.6				2.6	3.0		
	H	02.10 09.9	1.0			+	2.6	3.2	2.8	2
	Z	02.10 09.1	0.5				35.7	13.6		
08	A	02.11 56.7	0.6				3.6	5.5		
	H	02.11 57.4	1.1				2.4	2.8	3.1	2
	Z	02.11 56.6	0.5				21.7	8.6		
08	A	02.12 04.5	0.6				6.7	7.9		
	H	02.12	0.7				3.4	4.0	1.2	2
	Z	02.12 04.0	0.5				49.6			
08	A	02.24 49.2	0.8				2.5	2.8		
	H	02.24 48.7	0.5			-	1.9	1.8	2.8	2
	Z	02.24 49.8	1.0				1.7	1.0		
08	A	02.24 53.7	0.5				1.8	2.7		
	H	02.24 54.7	0.9				1.3	2.1	3.1	2
	Z	02.24 54.2	0.7				3.8	5.4		
08	A	04.07 32.0	1.3				1.0	1.8		
	H	04.07 31.1	0.7			+	1.0	1.1	2.7	2
	Z	04.07 32.6	1.3				0.4	0.6		
08	A	05.13 40.6	1.0				1.6	2.7		
	H	05.13 39.4	0.5				1.4	1.8	3.2	2
	Z	05.13 40.8	1.1				0.8	0.2		
08	A	05.17 09.0	1.0				2.4	4.0		
	H	05.17 08.3	0.5			+	2.9	3.4	2.7	2
	Z	05.17 09.5	1.1				2.0	1.2		
08	A	05.37 36.3	0.5				4.3	2.6		
	H	05.37 36.9	0.7				0.6	0.6	2.5	2
	Z	05.37 37.2	0.7				1.2	0.8		
08	A	05.52 24.6	0.8				4.1	3.4		
	H	05.52 24.9	1.6				1.6	0.8	2.7	2
	Z	05.52 24.3	0.5				6.3	10.0		
08	A	05.59 49.4	1.2				6.8	5.7		
	H	05.59 49.5	1.1			-	6.4	10.0	5.2	2
	Z	05.59 49.7	0.9				12.2	1.9		
08	A	06.00 27.2	0.9				1.0	1.9		
	H	06.00 27.5	1.4			-	0.6	0.5	3.2	2
	Z	06.00 26.8	0.5				2.5	4.2		
08	A	08.35 40.8	1.1				3.0	2.9		
	H	08.35 40.4	0.8			+	7.4	10.6	5.0	3
	Z	08.35 40.9	1.1				7.2	3.8		
08	A	08.38 40.7	0.9			+	12.8	11.1		
	H	08.38 40.0	0.5				9.1	5.7	3.4	3
	Z	08.38 40.7	1.1			-	6.3	3.6		
08	A	09.38 14.3	0.9				3.9	8.6		
	H	09.38 14.1	0.7				5.4	5.6	4.3	3
	Z	09.38 14.9	1.1					0.9		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
08	A	09.39 29.8	0.8			+	11.5	7.6		
	H	09.39 29.1	0.7			-	6.2	10.6	4.2	3.5
	Z	09.39 30.2	1.0				4.1	5.0		
08	A	09.40 22.3	0.9				6.3	7.6		
	H	09.40 21.8	0.5				6.9	6.7	3.1	3.1
	Z	09.40 22.6	1.0				5.8	3.0		
08	A	09.42 44.3	0.9			+	4.6	7.0		
	H	09.42 43.7	0.5				1.9	2.7	3.0	2.8
	Z	09.42 44.3	1.1			-	4.2	1.8		
08	A	09.44 26.6	0.9				9.6	9.6		
	H	09.44 26.1	0.5				3.2	3.4	2.8	3.0
	Z	09.44 27.0	1.0			-	2.7	1.4		
08	A	09.56 51.3	0.8			+	4.9	3.8		
	H	09.56 51.1	0.5			-	5.8	4.3	3.1	2.9
	Z	09.56 51.7	1.0				3.2	2.0		
08	A	10.04 54.8	0.9			+	20.2	12.0		
	H	10.04 54.3	0.6				22.0	10.5	3.0	3.8
	Z	10.04 55.2	0.9			-	3.2	3.6		
08	A	10.32 34.1	0.6				2.0	3.7		
	H	10.32 34.5	0.7				0.6	0.4	2.9	2.1
	Z	10.32 34.8	1.0			-	0.4	0.4		
08	A	10.33 08.9	0.8				5.5	12.1		
	H	10.33 08.5	0.7			+	3.8	7.6	4.2	3.4
	Z	10.33 09.5	1.2				4.5	2.2		
08	A	11.16 52.9	0.9				1.6	1.3		
	H	11.16 52.4	0.7			-	4.2	2.5	3.9	2.6
	Z	11.16 53.2	0.9				2.1	2.2		
08	A	11.40 09.9	0.5				3.0	4.2		
	H	11.40 10.3	0.7				0.7	0.5	2.5	2.1
	Z	11.40 10.7	0.8			+	1.2	1.2		
08	A	11.41 42.4	0.8				1.8	1.2		
	H	11.41 41.7	0.5			-	4.0	3.9	3.1	2.5
	Z	11.41 42.8	1.0				0.4	0.6		
08	A	11.52 24.5	0.9				1.4	3.2		
	H	11.52 23.6	0.6			+	1.3	2.6	3.8	2.6
	Z	11.52	1.2				0.6	0.4		
08	A	12.03 43.9	0.8				2.2	1.0		
	H	12.03 43.3	0.5			-	5.0	4.6	3.1	2.6
	Z	12.03 44.2	1.0			+	0.8	0.9		
08	A	12.26 24.2	0.7				1.8	1.9		
	H	12.26 23.7	0.5				3.6	3.6	2.3	2.4
	Z	12.26 24.5	0.9				0.4	0.2		
08	A	12.50 42.3	0.8				8.9	7.2		
	H	12.50 41.9	0.7				6.8	6.0		3.2
	Z	12.50 42.3				-	2.7	2.6		
08	A	12.51 13.0	0.7				5.6	3.8		
	H	12.51 12.9	0.7				3.1	3.9	3.1	2.8
	Z	12.51 13.1	0.8			-	3.2	3.7		
08	A	14.03 27.4	0.9				2.1	3.7		
	H	14.03 26.9	0.8				3.0	3.1	4.0	2.8
	Z	14.03 28.1	1.4				2.2	2.0		
08	A	18.30 27.1	0.8				2.7	1.6		
	H	18.30 26.4	0.7				7.2	6.2	3.6	2.9
	Z	18.30 27.6	0.9				0.9	1.5		
08	A	21.21 01.5	0.8				3.7	4.9		
	H	21.21 01.1	0.6				8.7	5.3	3.3	3.0
	Z	21.21 01.6	0.9			-	8.5	5.4		
08	A	22.16 47.2	1.2				0.6	2.0		
	H	22.16 46.6	0.9			-	1.9	1.7	5.9	2.7
	Z	22.16 47.5	1.3				0.8	0.6		
08	A	23.55 58.0	0.8			+	18.0	12.5		
	H	23.55 58.1	0.7			-	13.6	9.3	3.8	3.6
	Z	23.55 58.2	0.9			-	12.6	9.0		
09	A	00.11 16.0	0.4			+	8.5	7.1		
	H	00.11 16.8	0.9			-	3.8	5.4	2.4	3.0
	Z	00.11 16.4	0.6			-	3.7	3.5		
09	A	00.11 36.8	0.5				8.9	7.6		
	H	00.11 37.0	1.1				3.8	4.8	2.6	3.2
	Z	00.11 37.4	0.5			-	3.4	5.6		
09	A	00.14 53.4					2.9	1.6		
	H	00.14	1.0			+	2.3	3.2		3.0
	Z	00.14 53.8	0.8				2.6	1.8		
09	A	00.59 09.3	0.7				1.8	2.8		
	H	00.59 09.4	1.0			+	1.4	1.9	4.7	2.6
	Z	00.59 09.6	1.0				3.9	1.0		
09	A	01.24 21.7	1.1				1.6	2.8		
	H	01.24 20.7	0.5			+	3.2	3.2	3.4	2.7
	Z	01.24 22.1	1.3				0.6	0.4		
09	A	01.51 26.9	1.5				1.1	1.7		
	H	01.51 27.2	1.9				0.9	0.7	8.8	2.8
	Z	01.51 26.7	1.3			+	3.4	2.3		
09	A	03.46 30.3	0.9			+	3.2	2.4		
	H	03.46 30.4	0.7			-	3.9	5.5	3.2	2.9
	Z	03.46 30.6	0.8				4.4	2.4		
09	A	06.37 22.6	0.7				1.6	1.6		
	H	06.37 23.0	1.1				0.5	0.6	4.2	2.1
	Z	06.37 22.6	0.7				6.0	2.2		
09	A	06.42 15.5	0.7				5.6	5.4		
	H	06.42 15.9	1.1				1.6	2.4	4.1	2.9
	Z	06.42 15.5	0.7			+	13.0	4.4		
09	A	07.30 46.6	0.4				3.7	3.4		
	H	07.30 47.2	0.9				2.0	2.4	2.4	2.5
	Z	07.30 46.9	0.6				3.6	4.0		
09	A	10.52 31.2	0.7			+	14.9	13.9		
	H	10.52 31.9	1.1			-	5.8	5.0	4.4	3.4
	Z	10.52 31.4	0.8			+		8.4		
09	A	12.08 00.9	1.4				4.9	6.2		
	H	12.08 00.1	0.8				6.0	5.3	4.1	3.3
	Z	12.08 01.1	1.5			-		2.0		
09	A	12.34 01.4	0.8				19.2	25.3		
	H	12.34 01.9	1.1			+	8.3	13.2	5.0	3.9
	Z	12.34	1.3					5.0		
09	A	16.13 30.4	1.3				8.7	3.3		
	H	16.13 29.2	1.0			+	6.6	9.1	6.1	3.6
	Z	16.13 30.0	1.3					4.8		
09	A	16.30 15.6	1.1			+	2.0	2.2		
	H	16.30 15.3	0.9			-	4.8	3.9	5.1	2.9
	Z	16.30 15.3	1.0			-		6.4		
09	A	16.38 46.0	1.1				2.3	2.6		
	H	16.38 46.3	1.2			-	1.3	2.0	2.3	2.8
	Z	16.38	0.6					1.5		
09	A	17.30 49.3	0.8			+	11.3	7.2		
	H	17.30 49.0	0.6			-	5.6	6.9	2.7	3.2
	Z	17.30 49.7	0.8			-		3.0		
09	A	17.38 41.6	0.7				3.3	3.8		
	H	17.38 41.4	0.6			-	3.1	5.2	3.2	2.8
	Z	17.38 41.6	0.9			-		1.7		
09	A	18.13 21.6	1.2			+	4.8	2.9		
	H	18.13 21.1	0.9				2.4	2.4	5.8	3.0
	Z	18.13 21.7	1.3					2.0		
09	A	20.51 08.8	0.4			+	5.9	4.2		
	H	20.51 09.3	0.9				0.7	1.0	0.8	2.3
	Z	20.51	0.4					1.1		
09	A	20.59 44.2	1.3				1.3	2.8		
	H	20.59 43.2	0.9			+	1.6	1.4	5.6	2.7
	Z	20.59 44.5	1.3					1.1		
09	A	21.05 59.4	1.1			+	9.9	5.8		
	H	21.05 58.4	0.9			+	8.0	15.0	6.1	3.7
	Z	21.05 59.5	1.4					7.6		
09	A	22.54 36.7	0.8				2.8	2.1		
	H	22.54 36.0	0.9				1.4	1.7	4.3	2.6
	Z	22.54 37.1	0.8					0.7		
10	A	00.13 52.1	1.0				11.4	7.1		
	H	00.13 51.6	1.2				6.2	8.0	5.1	3.6
	Z	00.13 52.1	0.8					6.1		
10	A	00.55 53.5	0.9				2.9	3.3		
	H	00.55 52.8	0.6			+	3.3	2.5	3.5	2.7
	Z	00.55 53.8	1.0			-		0.8		
10	A	01.17 39.9	1.2				5.0	3.4		
	H	01.17 39.1	0.8			-	12.2	11.8		
	Z	01.17 39.8				-		3.9		
10	A	01.27 18.5	0.7			+	9.2	11.3		
	H	01.27 18.8	1.0			+	3.6	4.6	4.0	3.3
	Z	01.27 18.8	0.7					3.6		
10	A	01.30 54.2	0.6				2.9	1.8		
	H	01.30 54.6	1.1			+	1.1	1.7	3.8	2.5
	Z	01.30 54.6	0.9			+		1.4		
10	A	03.09 37.5	1.0			+	3.4	4.0		
	H	03.09 36.8	0.8			+	15.3	20.4	4.5	3.5
	Z	03.09 37.7	1.0			-		7.2		

Seismological Data of Matsushiro Earthquake Swarm (Report II)

Aug. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
10	A	03.12 06.8	0.6				1.9	1.9		
	H	03.12 07.1	0.9			+	2.0	2.9	2.9	2.5
	Z	03.12 07.2	0.6			-		1.8		
10	A	03.54 30.6	0.9			-	23.5	60.6		
	H	03.54 30.6	1.2			+	9.3	12.0	5.9	4.2
	Z	03.54 31.1	1.0			-		9.8		
10	A	04.41 42.9	1.5				3.7	1.8		
	H	04.41 41.5	1.1				2.1	3.4	4.9	3.2
	Z	04.41 42.6	1.3					0.7		
10	A	05.54 28.1	1.2				4.6	7.9		
	H	05.54 27.1	0.6				7.2	8.0	2.8	3.3
	Z	05.54 28.4	1.2					2.4		
10	A	08.26 26.8	0.8			+	3.6	3.0		
	H	08.26 26.4	0.8			-	3.8	3.0	3.9	2.8
	Z	08.26 26.5	0.8			-		2.2		
10	A	12.09 05.7	1.3				6.4	4.5		
	H	12.09 05.1	1.0			+	5.6	7.2	6.0	3.5
	Z	12.09 05.5	1.2			+	8.0	3.8		
10	A	12.42 26.3	0.9				4.2	3.7		
	H	12.42 25.5	0.6			-	2.9	2.7	3.1	2.7
	Z	12.42 26.5	1.0				2.4	1.6		
10	A	14.23 24.9	0.7				3.3	4.1		
	H	14.23 25.3	1.0			-	3.0	2.4	2.9	2.9
	Z	14.23 24.5	0.5			-	21.2	6.3		
10	A	14.39 23.9	1.6				2.0	2.1		
	H	14.39 24.5	1.9			+	0.9	1.0	7.0	2.9
	Z	14.39 23.6	1.4			+	2.7	2.4		
10	A	15.45 57.0	1.1			+	16.1	12.9		
	H	15.45 56.0	0.9			+	18.4	28.9	6.0	4.1
	Z	15.45 57.4	1.3			-	4.7	4.6		
10	A	17.48 43.8	1.0			+	27.4	18.3		
	H	17.48	0.7			-	18.8	15.6	3.9	4.0
	Z	17.48 44.0	1.0				17.6	7.7		
10	A	17.48 54.0	1.0			+	2.4	2.0		
	H	17.48	0.6				2.2	1.5	1.6	2.5
	Z	17.48 54.1	0.9				3.9	1.4		
10	A	19.00 42.4	1.4			-	9.4	3.2		
	H	19.00 43.2	1.9			-	8.3	8.8	7.3	3.9
	Z	19.00 42.2	1.2			-	18.2	14.5		
10	A	19.08 19.9	0.5			+	12.4	8.2		
	H	19.08 20.9	1.2				0.9	0.8	2.9	2.8
	Z	19.08 20.4	0.9			+	2.4	2.0		
11	A	00.08 09.3	1.0			+	7.3	5.4		
	H	00.08 09.0	0.8			-	3.8	6.4	4.2	3.3
	Z	00.08 09.3	1.0			-	11.4	4.6		
11	A	00.23 21.0				+	2.1	1.8		
	H	00.23 20.6	1.0			-	4.6	3.8		3.0
	Z	00.23 21.0	1.0			+	12.0	6.8		
11	A	01.19 55.0	0.8				1.3	1.8		
	H	01.19 55.6	1.1				1.5	2.4	3.6	2.6
	Z	01.19 55.0	0.6			-	15.0			
11	A	01.20 07.3	0.8			+	12.5	12.5		
	H	01.20 07.8	1.2			+	4.7	8.6	4.7	3.6
	Z	01.20 07.1	0.8			-	61.5	10.5		
11	A	01.21 36.7	0.6			+	2.6	2.0		
	H	01.21 37.2	1.0			+	1.4	3.4	3.0	2.7
	Z	01.21 36.7	0.5			-	7.7	4.1		
11	A	03.51 16.1	1.1			+	2.1	3.7		
	H	03.51 15.5	0.7			-	2.4	1.6	3.7	2.7
	Z	03.51 16.5	1.0				1.0	1.0		
11	A	07.20 22.8	1.0			+	3.5	2.4		
	H	07.20 22.2	1.0			-	2.7	5.4	5.7	3.1
	Z	07.20 22.6	1.4				2.4	1.5		
11	A	10.00 26.4	0.4			+	3.1	3.8		
	H	10.00 27.1	0.8			+	0.5	0.6	2.1	2.0
	Z	10.00 27.0	0.6			-	0.5	0.8		
11	A	10.02 19.0	0.8				2.3	1.4		
	H	10.02 18.8	0.8			+	2.6	3.7	4.2	2.7
	Z	10.02 19.6	0.9			-	1.9	1.1		
11	A	10.33 33.1	0.7			-	2.4	4.0		
	H	10.33 33.2	0.9				0.8	1.5	4.4	2.6
	Z	10.33 33.4	0.9			-	1.4	1.4		
11	A	13.06 42.3	1.0			-	3.4	4.2		
	H	13.06	1.1			+	3.8	3.1	6.0	3.1
	Z	13.06 43.1	1.4			-	2.0	1.0		
11	A	14.14 07.1	1.6				1.9	2.8		
	H	14.14 07.8	1.9			+	1.3	1.5	9.0	3
	Z	14.14 07.0	1.3			+	2.6	3.1		
11	A	15.48 45.8	0.9			-	19.3	13.8		
	H	15.48	0.6			+	9.4	13.4	4.0	3
	Z	15.48 46.0	1.1			+	7.1	7.1		
11	A	16.01 44.8	1.1				1.0	1.6		
	H	16.01 44.3	1.5			-	4.3	5.9	6.1	3
	Z	16.01 44.4	0.9				7.9	7.2		
11	A	18.03 09.9	1.2				1.9	1.0		
	H	18.03 09.7	1.3			-	0.9	1.6	3.2	2
	Z	18.03 09.4	0.7				7.0	8.0		
11	A	18.17 10.2	0.9			-	15.4	14.4		
	H	18.17 09.9	0.8			+	17.0	30.9	4.7	4
	Z	18.17	1.3			-	3.3	4.4		
11	A	20.16 32.0	0.6				8.2	4.2		
	H	20.16 32.1	0.7			+	5.2	5.8	2.8	3
	Z	20.16 32.3	0.7			-	6.8	10.3		
11	A	20.16 45.6	0.6			+	4.4	2.6		
	H	20.16 45.5	0.7				3.4	4.4	3.0	2
	Z	20.16 45.9	0.8			-	4.6	5.2		
11	A	20.33 37.8	1.1			-	2.2	2.8		
	H	20.33 37.9	1.1			+	1.8	3.0	6.2	2
	Z	20.33 38.7	1.4				0.7	0.9		
11	A	21.24 52.0	1.4				18.4	14.9		
	H	21.24 51.1	0.7			+	16.9	18.2	3.4	4
	Z	21.24 52.4	1.4			-	8.6	4.2		
11	A	22.07 24.6	0.7				18.6	8.6		
	H	22.07 24.6	0.7			+	8.1	8.7	3.3	3
	Z	22.07	0.8			-	8.0	7.0		
11	A	22.41 16.0	0.9			-	2.5	1.7		
	H	22.41 15.5	0.6			-	1.4	2.7	3.1	2
	Z	22.41 16.4	0.9				1.1	1.0		
11	A	23.03 05.1	0.8			+	4.6	2.8		
	H	23.03 04.7	0.5			-	2.0	2.7	2.5	2
	Z	23.03 05.7	0.9			-	2.0	2.0		
11	A	23.45 27.3	0.9				2.8	2.6		
	H	23.45 26.6	0.5			-	3.8	3.3	1.9	2
	Z	23.45 27.8	0.9			-	0.7	0.6		
12	A	00.03 34.1	0.8				1.8	3.3		
	H	00.03 34.2	0.9			+	5.3	4.6	4.8	2
	Z	00.03 34.9	1.1				1.7	1.0		
12	A	02.19 55.9	0.5			+	4.2	5.2		
	H	02.19 56.4	1.0				0.4	0.3	1.8	2
	Z	02.19	0.4			-	1.4	1.0		
12	A	02.27 52.2	0.5				1.6	2.5		
	H	02.27 52.8	0.9				2.0	3.4	2.5	2
	Z	02.27 52.5	0.5			-	7.8	3.0		
12	A	02.50 02.7	0.6				3.3	3.4		
	H	02.50 02.3	0.7			-	3.2	3.4	2.8	2
	Z	02.50 03.0	0.8			-	3.1	0.8		
12	A	02.50 06.1	0.7			+	3.2	3.0		
	H	02.50 05.8	0.7			-	2.0	2.2	3.2	2
	Z	02.50 06.5	0.8			-	3.2	2.0		
12	A	02.51 01.0	0.8			+	37.9	20.8		
	H	02.51 01.8	0.8			-	10.7	17.3	4.2	4
	Z	02.51 01.4	0.9			-	36.1	5.5		
12	A	04.55 56.3	1.1				37.2	27.3		
	H	04.55 55.9	0.9			-	23.4	17.3	4.8	4
	Z	04.55	1.0			-	9.3	10.9		
12	A	04.56 40.9	1.0				2.6	1.0		
	H	04.56	0.7			+	5.8	5.2	4.6	2
	Z	04.56 41.3	1.1				3.2	1.4		
12	A	04.59 29.9	1.0				4.8	6.8		
	H	04.59 29.3	0.6			+	4.7	4.6	2.0	3
	Z	04.59 30.3	1.1			-	6.2	3.2		
12	A	06.16 36.2	0.9			-	3.4	4.5		
	H	06.16 35.4	0.6			+	3.4	5.0	3.3	2
	Z	06.16 36.5	1.0			-	2.0	0.9		
12	A	08.28 28.4	1.1			+	7.0	9.9		
	H	08.28	0.6			+	12.0	10.8	2.7	3
	Z	08.28 28.8	1.1			-	6.8	3.7		
12	A	08.43 03.6	1.1			+	17.5	24.5		
	H	08.43 02.8	0.6			+	8.6	8.6	3.1	3
	Z	08.43	1.0			-	6.2	6.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
12	A	09.33 39.3	0.7			+	2.8	1.8		
	H	09.33 39.5	0.7			-	1.5	2.0	2.8	2.5
	Z	09.33 39.5	0.7			-	3.3	4.4		
12	A	09.39 57.5	0.9			+	17.5	9.4		
	H	09.39 57.3	0.6			-	9.7	7.2	2.0	3.5
	Z	09.39	0.9			-	8.5	4.2		
12	A	09.41 57.5	0.7				4.0	4.4		
	H	09.41 57.3	0.9			+	1.0	2.1	3.9	2.7
	Z	09.41	0.8				2.5	1.0		
12	A	09.47 48.4	0.9			+	5.1	3.2		
	H	09.47	0.8			+	4.0	5.4	3.0	3.1
	Z	09.47 48.9	0.7				2.2	3.3		
12	A	09.50 43.9	0.9			+	6.9	4.7		
	H	09.50 43.6	0.7			-	4.9	5.4	2.9	3.1
	Z	09.50 44.1	0.9			-	5.4	10.4		
12	A	11.12 34.2	1.0			+	15.7	11.9		
	H	11.12 34.0	0.6				7.2	6.3	3.7	3.4
	Z	11.12 34.9	1.1			-	7.9	5.9		
12	A	11.15 09.4	1.1				5.7	3.7		
	H	11.15 09.0	0.6				9.0	5.9		3.2
	Z	11.15 09.9					4.8	2.8		
12	A	12.58 42.1	0.8				6.8	3.0		
	H	12.58 42.2	0.6			-	2.4	2.6	2.6	2.8
	Z	12.58 42.5	0.8				2.8	1.7		
12	A	12.58 53.6	1.1			+	5.0	5.7		
	H	12.58 53.2	0.5			+	3.8	4.3	3.2	3.0
	Z	12.58	1.2				1.6	0.7		
12	A	13.06 41.8	0.7			+	12.6	6.0		
	H	13.06 41.9	0.7			-	5.7	7.1	2.8	3.3
	Z	13.06	0.7			-	5.1	2.7		
12	A	14.37 10.2	0.7			+	6.8	3.4		
	H	14.37	0.7			-	3.8	5.0	3.4	3.0
	Z	14.37 10.7	0.8			-	3.2	2.0		
12	A	15.11 57.9	1.0			+	25.4	20.1		
	H	15.11 57.3	0.6			+	14.4	10.3	3.4	3.8
	Z	15.11 58.4	1.0			-	9.5	8.4		
12	A	15.20 47.6	0.9			+	11.0	9.6		
	H	15.20 47.3	0.6			+	5.0	3.1	3.3	3.1
	Z	15.20 48.2	1.0			-	2.8	1.9		
12	A	15.21 03.4	0.9			-	5.4	5.1		
	H	15.21 03.0	0.5			-	4.0	4.0	2.0	2.8
	Z	15.21	0.9			-	3.2	3.7		
12	A	17.31 57.7	1.0			+	1.4	1.2		
	H	17.31 57.7	1.0			-	2.7	3.3	3.8	2.7
	Z	17.31 57.6	0.7			-	13.7	4.6		
12	A	17.33 56.9	0.8			+	9.6	5.7		
	H	17.33 56.6	0.5			-	2.5	3.5	1.6	2.9
	Z	17.33 57.2	0.8				1.6	1.2		
12	A	20.30 08.9	0.9			+	61.3	51.2		
	H	20.30 09.2	0.9			-	15.5	20.8	5.4	4.3
	Z	20.30	1.1			-	7.3	3.6		
12	A	20.31 29.8	0.7			+	17.1	19.6		
	H	20.31 30.1	0.9			+	1.7	2.1	4.4	3.1
	Z	20.31 30.4	1.0			-	3.3	1.7		
12	A	20.31 32.9	0.7			+	36.8	32.8		
	H	20.31 33.2	1.0				9.3	20.6	4.8	3.1
	Z	20.31 33.6	1.0			-	14.5	5.5		
12	A	20.32 37.6	0.6			+	6.3	9.8		
	H	20.32 38.3	1.0				2.6	3.5	4.1	3.0
	Z	20.32	0.9			-	10.6	3.2		
12	A	20.42 21.9	0.6			+	4.7	5.3		
	H	20.42 22.7	1.0			+	1.6	1.9	4.1	2.7
	Z	20.42 22.9	0.9			-	5.3	2.0		
12	A	20.43 26.7	0.7			+	3.7	5.1		
	H	20.43 27.4	1.0			+	0.7	1.0	4.6	2.6
	Z	20.43 27.7	1.0				2.8	0.9		
12	A	21.03 32.6	0.7			+	14.3	13.8		
	H	21.03 33.0	0.9			+	3.7	3.0	4.4	3.2
	Z	21.03	1.0			-	6.1	3.0		
12	A	21.14 37.7	0.6			-	13.2	13.1		
	H	21.14 38.5	0.8			+	1.6	1.7	3.5	2.9
	Z	21.14 38.7	1.0			-	1.8	1.0		
12	A	21.30 41.2	0.6			+	3.7	1.6		
	H	21.30 42.0	0.9				0.6	0.9	3.9	2.4
	Z	21.30 41.4	0.8			-	4.4	3.8		
12	A	21.42 46.4	1.8			+	4.5	4.2		
	H	21.42 45.9				+	5.2	6.6		3.5
	Z	21.42	1.7				3.1	1.7		
12	A	22.20 28.8	0.7			+	7.8	9.2		
	H	22.20 29.1	0.9			+	1.1	2.7	4.5	3.0
	Z	22.20 29.9	1.0			-	5.4	3.1		
12	A	22.29 36.5	0.6			+	5.6	5.7		
	H	22.29 37.1	0.8			+	0.9	2.1	3.9	2.7
	Z	22.29 37.6	0.9			-	2.4	10.2		
13	A	00.43 34.1	1.4			+	3.7	3.8		
	H	00.43 33.6				+	5.0	3.0		3.1
	Z	00.43 34.6	1.2				3.1	1.7		
13	A	00.45 47.0	1.2			+	4.6	3.0		
	H	00.45 46.6	0.9			-	5.0	4.7	3.7	3.2
	Z	00.45 47.3	1.0				5.8	2.8		
13	A	01.20 17.8	1.0				3.5	2.3		
	H	01.20	0.9			+	0.8	1.3	4.0	2.6
	Z	01.20 18.3	0.8			-	7.6	7.5		
13	A	03.30 48.6	1.7				5.9	2.4		
	H	03.30 49.4	2.2			+	2.7	3.8	7.4	3.6
	Z	03.30 48.4	1.3				7.6	3.8		
13	A	05.56 27.2	0.9			+	2.0	1.7		
	H	05.56 27.1	0.8			-	6.3	4.6	3.6	2.8
	Z	05.56 27.5	0.8			-	6.5	5.1		
13	A	06.12 55.6	1.0				1.9	2.1		
	H	06.12 55.6	1.0			-	1.7	3.4	5.2	2.8
	Z	06.12 55.8	1.0				7.4	4.4		
13	A	06.34 40.5	0.8				3.9	8.6		
	H	06.34 40.4	0.6			+	9.4	6.0	2.9	3.2
	Z	06.34 41.1	0.9			-	4.2	0.8		
13	A	07.38 42.8	0.4			-	1.8	2.5		
	H	07.38 43.5	1.0				0.7	0.5	2.7	2.0
	Z	07.38 43.6	0.7			-	1.4	0.8		
13	A	08.55 11.9	0.9				2.8	6.2		
	H	08.55 12.7	0.8				3.6	4.4	4.3	3.1
	Z	08.55 11.9	1.4			-	22.4	8.2		
13	A	08.59 13.1	0.7			-	9.4	17.4		
	H	08.59 13.9	1.2			-	8.8	15.2	3.8	3.8
	Z	08.59 13.2	0.6			+	25.4	33.6		
13	A	10.50 43.2	0.6			+	1.7	1.9		
	H	10.50 43.7	1.0			-	3.2	3.1	2.8	2.6
	Z	10.50 43.0	0.5			-	9.7	4.4		
13	A	11.41 17.6	0.6				3.5	3.1		
	H	11.41 18.2	1.0			-	3.6	4.0	2.1	2.8
	Z	11.41 17.6	0.4			-	9.2	2.7		
13	A	12.33 42.2	0.5			+	2.4	4.4		
	H	12.33 42.8	1.0			+	2.8	5.1	2.9	3.0
	Z	12.33 42.5	0.6			-	19.4	4.6		
13	A	12.44 01.7	0.6			+	2.9	1.5		
	H	12.44 02.6	1.0			+	1.7	2.8	3.4	2.7
	Z	12.44 02.0	0.6				6.8	3.1		
13	A	13.16 20.8	0.8				2.9	1.8		
	H	13.16 20.6	0.6				1.1	1.0	3.0	2.1
	Z	13.16 21.2	0.9			-	2.0	0.8		
13	A	14.19 01.1	0.6				7.4	6.6		
	H	14.19 01.9	1.0			-	4.0	3.7	2.8	3.0
	Z	14.19 01.1	0.5			-	13.0	13.1		
13	A	16.56 13.8	0.7			+	3.4	5.4		
	H	16.56 14.2	0.9			+	1.0	1.5	4.5	2.7
	Z	16.56 14.2	0.9			-	2.2	2.3		
13	A	17.13 07.5	0.7			+	9.6	7.0		
	H	17.13 08.3	1.1			+	5.1	8.0	3.8	3.4
	Z	17.13 07.7	0.6			-	15.4	7.8		
13	A	17.32 51.1	0.6			+	10.1	5.9		
	H	17.32 51.0	0.9			-	2.4	8.0	3.5	3.3
	Z	17.32 51.6	0.7			-	13.4	4.9		
13	A	19.00 47.3	1.3			-	16.4	42.0		
	H	19.00 46.7	0.9			+	12.8	15.9	6.2	4.2
	Z	19.00 47.6	1.4				7.8	6.2		
13	A	19.53 24.9	0.4				4.9	5.2		
	H	19.53 25.5	1.0			-	5.0	7.4	2.0	2.9
	Z	19.53 25.5	0.6			-	10.0	3.1		
13	A	20.56 45.0	1.5				1.0	3.2		
	H	20.56 44.6	1.0				1.3	1.8	5.2	2.9
	Z	20.56	1.4				1.7	1.2		

Aug. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	23.30 07.2	1.1			-	0.9	1.1		
13	H	23.30 06.8	0.8				1.4	1.1	5.8	2.4
	Z	23.30 07.8	1.3				0.9	0.6		
	A	00.28 51.1	1.3			+	2.0	1.6		
14	H	00.28 50.8	0.7				3.4	4.1	1.8	2.8
	Z	00.28 51.4	1.2				3.0	1.3		
	A	01.01 24.6	1.0				1.8	3.2		
14	H	01.01 24.1	0.7			-	5.3	5.2	4.2	2.9
	Z	01.01 24.8	1.1			+	2.0	1.3		
	A	01.34 37.6	0.5			+	8.3	11.3		
14	H	01.34 37.1	0.7			-	12.1	13.0	2.7	3.3
	Z	01.34 37.9	0.8			-	9.5	5.4		
	A	01.41 42.4	0.8			-	33.6	62.0		
14	H	01.41 43.1	1.4			-	29.6	46.0	5.2	4.7
	Z	01.41 42.8	1.1			+	30.0	18.5		
	A	01.42 16.1	0.9			-	2.0	3.1		
14	H	01.42 16.9	1.1			-	0.8	1.2	6.1	2.7
	Z	01.42	1.2					7.4		
	A	01.48	0.8			-	8.8	7.7		
14	H	01.48 55.3	1.3			-	3.8	4.4	4.1	3.3
	Z	01.48 54.4	0.6			+		10.3		
	A	02.10 12.3	0.8			+	1.4	2.3		
14	H	02.10 13.1	1.3				0.9	1.1	4.4	2.5
	Z	02.10 12.4	0.7			+	6.7	8.8		
	A	02.16 37.1	0.5			+	13.5	11.0		
14	H	02.16 37.7	0.8			-	4.8	4.9	2.3	3.1
	Z	02.16 37.8	0.6			-	5.9	10.0		
	A	02.50 27.1	0.6				10.6	4.8		
14	H	02.50 27.9	1.3			+	3.6	3.2	2.8	3.2
	Z	02.50 27.0	0.6				14.0	11.9		
	A	03.42	0.9			-	1.7	3.4		
14	H	03.42 55.5	0.5				2.2	1.8	2.3	2.5
	Z	03.42 56.6	1.0			+	0.6			
	A	03.56 00.0	0.9			-	2.9	3.0		
14	H	03.56 01.3	1.6				3.6	3.4	3.4	3.0
	Z	03.56 00.1	0.7			+	10.0	9.6		
	A	04.05 03.0	0.8				32.0	27.0		
14	H	04.05 03.6	1.4				10.0	12.0	3.2	4.1
	Z	04.05 02.7	0.5							
	A	04.05 43.4	0.5			-	7.5	10.0		
14	H	04.05	1.1				4.0	5.6	2.5	3.2
	Z	04.05 43.1	0.6					13.6		
	A	04.05 44.7	0.6				7.4	10.6		
14	H	04.05	0.8			-	9.2	8.8	3.7	3.3
	Z	04.05 44.6	0.9					21.1		
	A	05.18 36.8	0.4			+	3.4	4.0		
14	H	05.18 36.9	0.9			-	1.7	2.1	2.0	2.5
	Z	05.18	0.5					21.4		
	A	07.49	0.8			+	5.3	3.7		
14	H	07.49 14.0	0.9			-	1.6	1.4	4.3	2.7
	Z	07.49 14.3	0.8					2.0		
	A	13.33 57.6	0.4			-	5.2	3.3		
14	H	13.33 58.3	0.9				2.4	2.7	2.2	2.6
	Z	13.33 57.9	0.6			-	4.2	5.2		
	A	13.40 52.6	0.8			-		2.8		
14	H	13.40	0.7			+	1.9	4.6	3.4	2.7
	Z	13.40 53.2	1.2			-	2.2	1.0		
	A	13.59 22.3	1.2				1.0	1.4		
14	H	13.59 21.7	0.8			-	2.2	1.9	1.7	2.6
	Z	13.59 22.3	0.9			+	1.6	1.5		
	A	14.48 59.0	0.8				25.1	12.1		
14	H	14.48 58.8	0.7			-	9.0	9.6	2.4	3.6
	Z	14.48 58.9	0.7			-		13.8		
	A	14.57 21.3	0.8				7.5	4.9		
14	H	14.57 21.2	0.6				1.9	2.8	0.8	2.9
	Z	14.57 21.7	0.6			-	3.8	2.1		
	A	15.26 47.9	0.6				1.5	2.1		
14	H	15.26 48.2	0.9			-	2.2	3.1	3.5	2.6
	Z	15.26 48.2	0.7			-	5.9	3.8		
	A	16.00 08.7	0.4				6.0	7.0		
14	H	16.00 09.4	0.8				1.9	1.6	2.1	2.6
	Z	16.00 09.2	0.7			-	1.4	1.0		
	A	16.47 55.0	0.7				1.8	1.8		
14	H	16.47 55.1	0.7				1.4	1.9	2.4	2.3
	Z	16.47 55.4	0.7				2.5	1.3		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	17.14 03.8	0.8				1.5	2.6		
14	H	17.14 03.4	0.6				1.0	1.6	3.7	2.4
	Z	17.14	1.0				4.0	1.8		
	A	17.38 20.3	0.8				2.2	2.7		
14	H	17.38 19.6	0.4			-	3.1	3.7	1.1	2.5
	Z	17.38 20.7	0.9				0.6	0.6		
	A	18.05 59.8	1.0				13.7	4.2		
14	H	18.05 58.8				-	12.5	12.4		3.6
	Z	18.05 59.7	0.9			-	1.4	1.6		
	A	18.46 55.2	0.9				6.5	2.6		
14	H	18.46 54.3	0.5			-	10.8	9.6	1.9	3.1
	Z	18.46 55.4	0.9				2.4	1.3		
	A	18.49 09.8	0.9				4.4	2.5		
14	H	18.49 09.0	0.4				7.7	7.4	1.5	2.8
	Z	18.49 10.0	1.0				1.4	1.0		
	A	19.25 03.5	0.8				4.0	3.0		
14	H	19.25 04.5	0.9				1.7	1.3	2.1	2.7
	Z	19.25 04.1	0.5				6.7	2.9		
	A	19.57 31.3	0.5			-	32.4	39.2		
14	H	19.57 32.0	0.8				27.3	26.8	3.1	4.0
	Z	19.57 32.0	0.9					20.6		
	A	20.21 50.2	1.2				1.3	2.3		
14	H	20.21 49.2	0.9				2.2	3.4	3.6	2.9
	Z	20.21 50.4	1.0				1.2	1.0		
	A	20.55 49.8	0.4				2.5	3.7		
14	H	20.55 50.2	0.9			-	3.0	4.2	2.5	2.7
	Z	20.55 50.2	0.7			-	3.6	3.7		
	A	21.13 17.5	0.5				2.4	3.0		
14	H	21.13 18.0	0.9				4.8	7.0	2.5	1.7
	Z	21.13 18.1	0.6				4.2	6.7		
	A	01.07 16.9	0.3				5.8	5.2		
15	H	01.07 17.5	0.8				0.8	0.9	1.1	2.2
	Z	01.07 17.1	0.5				2.4	4.8		
	A	01.50 20.5	0.5				5.9	6.0		
15	H	01.50 21.2	0.8				1.8	3.0	2.7	2.7
	Z	01.50 20.7	0.7			-	1.4	1.9		
	A	05.06 35.1	0.5				4.1	4.1		
15	H	05.06 35.4	0.9				0.4	0.4	2.9	2.1
	Z	05.06	0.6				2.3	1.0		
	A	05.33 50.4	0.6			-	8.5	4.6		
15	H	05.33 51.2	1.3			+	3.7	3.4	2.3	3.2
	Z	05.33 49.8	0.6				4.1	2.9		
	A	06.27 50.0	0.8				10.0	7.6		
15	H	06.27 50.6	1.1				8.0	11.6	3.8	3.5
	Z	06.27 49.9	0.6			-	19.3			
	A	11.49 49.0	1.2			-	1.9	1.4		
15	H	11.49 48.3	0.8			+	2.9	3.6	4.1	2.8
	Z	11.49 49.2	1.1				3.1	2.2		
	A	13.16 59.0	0.8				20.6	22.6		
15	H	13.16 59.7	1.1			+	5.6	12.0	5.4	3.9
	Z	13.16 59.5	1.2			-	10.0	3.3		
	A	13.29 52.0	0.7				2.9	4.0		
15	H	13.29 52.3	1.0				1.3	1.8	4.6	2.7
	Z	13.29 52.5	1.1				1.6	0.5		
	A	13.44 13.8	0.6				1.7	2.0		
15	H	13.44 14.7	1.1				0.6	0.4	3.7	2.1
	Z	13.44 13.5	0.7				4.0	2.0		
	A	14.50 35.9	0.5				1.8	2.7		
15	H	14.50 36.2	0.9				1.9	3.2	2.6	2.5
	Z	14.50 35.6	0.6			-	8.3	4.0		
	A	16.56 57.9	0.6				4.8	3.6		
15	H	16.56 58.0	0.9			-	2.3	2.8	3.2	2.8
	Z	16.56 57.9	0.6				5.7	3.9		
	A	17.42 02.3	0.6				15.5	13.1		
15	H	17.42 02.7	0.9			+	1.4	2.2	4.0	3.0
	Z	17.42 02.7	0.9			-	3.7	2.4		
	A	19.09 17.7	0.4				3.8	4.7		
15	H	19.09 18.2	1.0				0.6	0.5	2.6	2.2
	Z	19.09 17.3	0.6				3.5	3.4		
	A	19.31 53.8	0.6				2.1	2.3		
15	H	19.31 54.0	0.9			-	1.7	1.6	2.6	2.4
	Z	19.31 53.5	0.5				5.1	1.8		
	A	20.54 23.8	1.0				8.3	4.4		
15	H	20.54 23.5	1.0			-	7.9	6.6	5.5	3.4
	Z	20.54 23.5	1.0					7.9		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Aug. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
15	A	20.54 26.5	1.0				6.0	3.4		
	H	20.54 26.7	0.5				4.9	7.2	2.3	3.1
	Z	20.54 26.2	1.0					13.0		
15	A	22.09 44.0	0.7				1.6	1.8		
	H	22.09 44.2	0.9				1.0	1.6	3.5	2.3
	Z	22.09 44.1	0.7				2.4	1.3		
15	A	22.14 47.7	0.6				2.8	2.2		
	H	22.14 48.0	0.9				4.4	4.9	3.7	2.8
	Z	22.14 48.0	0.7			-	6.0	2.0		
15	A	22.46 05.8	0.9				2.4	2.3		
	H	22.46 04.6	0.6			-	2.8	3.1	3.7	2.7
	Z	22.46 05.9	1.2				0.8	0.8		
15	A	22.57 30.8	0.8				5.7	2.9		
	H	22.57 30.9	0.9				1.3	1.6	2.4	3.0
	Z	22.57 30.3	0.5				5.8	5.5		
15	A	23.22 22.6	1.0				3.8	3.2		
	H	23.22 22.2	0.5				1.5	0.8	2.1	2.5
	Z	23.22 22.9	1.0				0.8	1.2		
15	A	23.31 58.5	0.8				3.6	2.4		
	H	23.31 58.7	1.0				1.9	2.4	2.9	2.8
	Z	23.31 58.2	0.5				12.0	5.6		
16	A	00.32 04.4	0.9			+	17.3	6.9		
	H	00.32 04.6	1.0			-	3.3	4.0	2.0	3.5
	Z	00.32 03.8	0.5			+	61.0	28.4		
16	A	00.54 22.8	0.8				3.0	4.9		
	H	00.54 23.4	1.0				0.8	1.5	2.6	2.7
	Z	00.54 22.3	0.5					6.6		
16	A	01.10 52.7	0.6				2.8	1.4		
	H	01.10 53.0	0.7			-	1.9	1.3	2.5	2.4
	Z	01.10 52.6	0.7				7.9	4.4		
16	A	01.36 07.6	0.8			+	5.8	5.0		
	H	01.36 08.0	1.0			-	1.4	1.7	2.9	2.8
	Z	01.36 06.9	0.5							
16	A	02.46 05.7	0.6			+	43.8			
	H	02.46 06.6	1.0				6.8	7.6	3.9	3.8
	Z	02.46 06.2	0.7			-				
16	A	02.56 56.0	0.8				1.8	2.2		
	H	02.56 55.1	0.6			-	2.6	2.2	2.1	2.5
	Z	02.56 55.8	0.8			-	1.0	0.7		
16	A	03.18 28.1	0.5			-	5.2	6.8		
	H	03.18 28.8	0.8				4.2	5.4	2.5	3.0
	Z	03.18 28.4	0.6				6.7	5.2		
16	A	03.34 34.9	0.7				1.3	1.6		
	H	03.34 34.9	0.8			+	2.8	4.4	2.4	2.6
	Z	03.34 35.1	0.6			-	3.2	1.9		
16	A	03.37 18.6	0.7				2.9	1.8		
	H	03.37 18.7	0.8			-	2.1	2.6	1.3	2.6
	Z	03.37 18.7	0.5				4.5	2.0		
16	A	06.39 52.0	1.1				1.9	1.8		
	H	06.39 51.6	0.9			-	3.0	3.3	4.4	2.8
	Z	06.39 51.8	1.0				8.9	3.7		
16	A	07.39 09.0	0.7			+	9.2	7.4		
	H	07.39 09.6	0.9				1.0	1.5	4.3	2.9
	Z	07.39 09.3	0.8			-	5.8	2.2		
16	A	12.53 51.6	0.6			+	2.4	1.6		
	H	12.53 51.8	0.6			-	2.5	1.6	1.9	2.4
	Z	12.53 51.9	0.7			-	1.5	0.7		
16	A	13.16 17.2	1.4			+	20.8	23.8		
	H	13.16 18.0	1.9			+	10.6	16.5	3.2	4.2
	Z	13.16 16.9	1.2				23.0	10.0		
16	A	15.01 23.2	0.4			+	9.0	12.8		
	H	15.01 23.8	1.0			-	6.6	5.7	2.5	3.2
	Z	15.01 22.9	0.6			-	13.0	7.2		
16	A	15.39 09.5	0.5			+	1.1	3.2		
	H	15.39 09.7	0.6				1.8	1.9	2.3	2.4
	Z	15.39 09.9	0.9				1.9	0.7		
16	A	16.14 39.2	0.8			+	1.7	4.3		
	H	16.14 39.6	1.0				1.2	0.9	1.9	2.6
	Z	16.14 38.7	0.4			-	13.6	5.0		
16	A	17.31 28.7	1.5			+	4.2	4.1		
	H	17.31 29.1	1.6				1.7	1.6	8.8	3.1
	Z	17.31 28.6	1.3			+	0.4	4.6		
16	A	17.33 09.5	0.3			+	5.0	7.0		
	H	17.33 09.8	0.8				1.2	1.2	1.3	2.3
	Z	17.33 09.9	0.6			-	1.8	1.6		
16	A	17.46 46.3	0.5			-	3.1	2.5		
	H	17.46 46.9	1.2			+	1.2	1.0	1.1	2.4
	Z	17.46 46.2	0.4			-	3.7	3.0		
16	A	18.01 00.0	0.6				6.6	6.6		
	H	18.01 00.7	0.9				3.7	3.3	2.9	3.1
	Z	18.00 59.9	0.6			-	9.8	10.2		
16	A	18.01 17.0	0.6				4.1	2.9		
	H	18.01 17.6	0.8			-	2.7	2.6	3.2	2.6
	Z	18.01 16.7	0.7			-	6.2	4.4		
16	A	18.28 30.1	0.4			+	4.0	4.7		
	H	18.28 30.7	0.9				5.1	5.2	2.7	2.8
	Z	18.28 30.1	0.7				6.9	3.2		
16	A	19.12 28.1	0.6			+	4.4	6.8		
	H	19.12 29.0	1.2				1.2	1.4	2.8	3.4
	Z	19.12 27.8	0.5				6.8	3.5		
16	A	19.39 44.7	0.9				1.2	2.6		
	H	19.39 44.0	0.6			+	1.2	2.6	3.8	2.1
	Z	19.39 44.9	1.1			-	0.8	0.5		
16	A	21.41 23.3	1.2			-	1.8	2.2		
	H	21.41 24.2	1.8			-	1.2	1.2	2.2	2.8
	Z	21.41 22.8	0.9				8.2	4.4		
16	A	23.00 39.3	0.8				2.5	2.8		
	H	23.00 39.5	0.6			-	1.9	2.0	2.3	2.4
	Z	23.00 39.7	0.8				0.8	0.4		
16	A	23.11 48.5	0.6			+	5.1	5.9		
	H	23.11 49.3	1.3				4.0	4.4	2.6	3.1
	Z	23.11 48.3	0.5			+	6.5	7.2		
16	A	23.12 59.5	0.5			+	4.4	3.3		
	H	23.12 59.9	0.6			-	2.0	2.3	1.9	2.5
	Z	23.12 59.7	0.7			-	2.2	2.0		
17	A	01.17 47.2	0.8				2.3	3.2		
	H	01.17 47.4	0.7			-	2.6	3.1	3.0	2.7
	Z	01.17 47.7	0.8			-	1.8	1.8		
17	A	01.19 45.8	0.7			+	2.2	2.3		
	H	01.19 46.1	1.0			-	0.7	0.8	3.5	2.3
	Z	01.19 45.3	0.6			-	11.1	7.8		
17	A	03.24 20.6	0.8			-	1.3	2.1		
	H	03.24 20.9	1.1			+	0.7	0.8	5.0	2.4
	Z	03.24 21.4	1.3			-	0.5	0.2		
17	A	03.51 00.5	0.7			+	5.0	10.0		
	H	03.51 00.5	0.9			-	4.2	6.3	4.3	3.3
	Z	03.51 00.0	0.9			-	26.5	10.1		
17	A	03.56 12.5	1.0				3.9	2.5		
	H	03.56 12.4	1.0			-	3.2	5.2	4.5	3.1
	Z	03.56 12.5	0.8			-	7.2	4.2		
17	A	04.21 04.0	0.7			+	1.7	1.4		
	H	04.21 03.8	0.6			-	1.1	2.8	2.9	2.4
	Z	04.21 04.5	0.9			-	0.6	0.3		
17	A	04.37 34.8	0.7				1.6	2.0		
	H	04.37 35.0	1.0			+	1.6	1.4	2.7	2.4
	Z	04.37 34.2	0.5			-	13.8	3.7		
17	A	05.19 28.3	0.7				10.3	11.2		
	H	05.19 28.3	1.0				5.4	4.9	3.8	3.3
	Z	05.19 29.0	1.2				2.2	2.0		
17	A	07.35	0.7				2.0	3.6		
	H	07.35 26.2	0.9				0.5	0.5	4.3	2.2
	Z	07.35 25.9	0.9				1.6	0.8		
17	A	10.49 13.0	0.5			+	5.9	7.8		
	H	10.49 13.6	1.0			+	1.0	0.8	3.4	2.6
	Z	10.49	0.8			-	6.9	2.2		
17	A	01.32 38.2	0.5				4.5	3.0		
	H	01.32 38.5	1.0			+	1.0	0.8	3.3	2.4
	Z	01.32 38.3	0.7			-	2.8	2.0		
17	A	11.54	0.7				4.4	3.1		
	H	11.54 31.9	0.9				3.9	8.4	4.5	3.1
	Z	11.54 32.0	1.0			-		3.4		
17	A	14.26 12.0	0.6				5.2	11.4		
	H	14.26 12.7	0.7				0.4	0.3	3.2	2.3
	Z	14.26 12.2	0.9			-	4.3	1.2		
17	A	15.40 39.8	1.2				4.0	3.1		
	H	15.40 39.0	0.9			-	6.6	5.4	3.3	3.2
	Z	15.40	1.0				9.0	5.1		
17	A	21.08 35.0	1.3				2.8	1.8		
	H	21.08 34.5	1.0			+	4.5	4.9	4.5	3.1
	Z	21.08 35.0	1.1				3.3	1.8		

Aug. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	21.54 11.8	0.7				3.6	3.0		
17	H	21.54 12.1	1.0				2.3	2.7	2.5	2.8
	Z	21.54 11.5	0.5				9.9	4.3		
	A	22.32 26.8	0.7				11.1	4.2		
17	H	22.32 26.6	0.7			+	5.3	6.3	2.9	3.2
	Z	22.32 27.0	0.7			-	14.0	13.5		
	A	22.34 38.1	0.7				7.2	4.2		
17	H	22.34 38.7	1.0			+	3.8	4.4	4.0	3.1
	Z	22.34 38.3	0.8			-	11.4	2.9		
	A	00.37 20.0	0.8				4.3	2.4		
18	H	00.37 20.0	1.0			-	1.4	1.2	2.8	2.7
	Z	00.37 19.5	0.5				19.7	10.2		
	A	00.38 49.8	0.7				15.6	14.8		
18	H	00.38 50.2	1.0			-	9.6	16.0	2.8	3.7
	Z	00.38 49.6	0.5				39.2	38.0		
	A	00.49 49.7	0.8				6.4	5.2		
18	H	00.49 50.0	1.0			-	3.2	3.9	3.1	3.1
	Z	00.49 49.1	0.5			+		16.7		
	A	01.08 36.7	1.0				12.4	9.1		
18	H	01.08 37.0	1.1			-	7.4	7.5	1.2	3.6
	Z	01.08 36.2	0.5				21.9			
	A	01.10 35.6	0.7				2.4	1.4		
18	H	01.10 35.4	1.1			-	1.6	1.3	3.7	2.5
	Z	01.10 34.9	0.6				2.7	1.2		
	A	01.38 04.4	0.4				3.0	2.1		
18	H	01.38 05.0	0.9				0.8	0.8	2.6	2.2
	Z	01.38 04.8	0.7			-	1.9	1.2		
	A	02.13 00.8	0.8				2.4	1.7		
18	H	02.13 01.0	1.0			-	1.6	2.4	5.2	2.6
	Z	02.13 01.0	1.0				16.2	7.2		
	A	02.56 00.7	0.7				3.8	2.2		
18	H	02.56 01.1	1.1				2.3	3.5	3.8	2.9
	Z	02.56 00.6	0.6			-				
	A	03.57 00.7	0.7			-	4.4	5.0		
18	H	03.57 01.0	1.0				1.4	1.6	4.6	2.7
	Z	03.57 01.1	1.1			-	1.7	0.9		
	A	05.02 10.4	0.4				3.3	2.8		
18	H	05.02 10.8	1.0				0.4	0.4	2.1	1.9
	Z	05.02 10.5	0.5			-	2.3	2.7		
	A	05.57 39.8	0.9				7.0	10.0		
18	H	05.57 39.1	0.6			+	16.0	14.6		3.4
	Z	05.57 39.9				-	2.7	2.3		
	A	06.08 08.3	0.7				3.9	3.8		
18	H	06.08 09.5	1.6				1.7	2.2	2.0	2.9
	Z	06.08	1.1				1.7	1.1		
	A	06.11 48.4	0.7			+	3.6	5.1		
18	H	06.11 48.8	1.4			-	1.4	0.7	2.8	2.8
	Z	06.11 48.0	0.6			-	18.1	10.0		
	A	06.18 36.5	1.1				3.4	5.0		
18	H	06.18 36.6	1.2			-	4.6	4.3	6.7	3.2
	Z	06.18 37.2	1.5			-	3.0	2.5		
	A	07.19 09.7	0.7				3.3	4.2		
18	H	07.19 09.7	0.9			+	0.7	1.6	4.3	2.7
	Z	07.19 09.7	0.9			-	1.0			
	A	07.30 49.1	0.8				8.3	4.7		
18	H	07.30 48.9	0.8			-	5.8	5.3	3.9	3.2
	Z	07.30 49.4	0.8			-	9.0	3.0		
	A	07.38 49.5	1.0				7.4	8.3		
18	H	07.38 49.0				-	10.8	6.4		3.3
	Z	07.38 49.5	0.9			-	11.2	5.1		
	A	08.19 41.2	0.5				6.8	8.3		
18	H	08.19 42.4	0.8				4.3	4.8	2.5	3.0
	Z	08.19 41.6	0.6							
	A	08.35 21.0	0.7				6.0	6.5		
18	H	08.35 21.5	0.7				0.6	0.8	3.7	2.4
	Z	08.35 21.1	0.9				1.0	1.0		
	A	08.38 41.0	0.8				8.4	8.0		
18	H	08.38 41.6	0.9				0.9	1.5	4.5	2.8
	Z	08.38 41.4	0.9			-	2.6	2.4		
	A	08.38 47.6	0.7				16.1	11.4		
18	H	08.38 48.1	0.8				2.9	4.6	4.1	3.3
	Z	08.38 48.0	0.9			-	2.3	2.2		
	A	08.42 30.0	0.7				6.4	4.3		
18	H	08.42 30.3	0.9			+	1.7	3.3	4.3	3.0
	Z	08.42 30.3	0.9			-	1.6	1.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	08.43 02.0					14.4	18.3		
18	H	08.43 01.8	1.5				7.1	7.2		3
	Z	08.43 01.6	1.5				4.7	2.4		
	A	08.50 40.3	0.4				4.0	3.1		
18	H	08.50 39.1	1.0				2.8	4.0	2.8	2
	Z	08.50 39.1	0.8				3.2	2.3		
	A	08.50 47.5	0.7				3.1	1.8		
18	H	08.50 47.5	1.0				1.0	1.3	3.1	2
	Z	08.50 47.0	0.5				8.5	9.0		
	A	08.56 24.1	0.7				4.6	3.5		
18	H	08.56 24.5	1.0				0.6	1.4	4.7	2
	Z	08.56 24.1	0.9				1.7	1.0		
	A	10.11 40.1	0.7				18.7	11.9		
18	H	10.11 41.1	1.0				8.0	9.0	4.5	3
	Z	10.11 40.4	0.8			-		8.6		
	A	10.43 26.4	0.4				2.4	2.5		
18	H	10.43 26.9	1.0				0.5	0.3	2.8	2
	Z	10.43 26.6	0.7			-	1.0	1.0		
	A	11.09 42.6	0.6				5.5	3.6		
18	H	11.09 43.4	1.2				1.3	1.2	3.7	2
	Z	11.09 42.5	0.7				3.0	3.6		
	A	11.10 12.9	0.5				2.2	1.3		
18	H	11.10 13.6	0.9				0.6	0.4	2.5	1
	Z	11.10 13.0	0.6				2.0	1.7		
	A	11.11 16.7	0.6				3.6	2.6		
18	H	11.11 17.8	1.2				0.7	0.8	3.5	2
	Z	11.11 16.9	0.8			+	2.6	1.1		
	A	12.11 37.6	1.1				0.8	0.6		
18	H	12.11 38.1	1.2			+	2.0	2.0	4.5	2
	Z	12.11 37.0	0.8			+	19.0	10.8		
	A	14.54 07.9	0.9				2.0	3.0		
18	H	14.54 07.6	0.7				3.0	2.5	2.9	2
	Z	14.54 07.9	0.9				3.4	2.3		
	A	14.54 40.7	0.6				4.2	2.0		
18	H	14.54 41.3	0.8				0.6	1.2	3.4	2
	Z	14.54 41.0	0.8				1.5	0.6		
	A	14.55 22.6	0.9				3.4	4.7		
18	H	14.55 22.5	0.7				5.4	4.7	3.3	3
	Z	14.55 22.7	0.9			-	5.4	5.3		
	A	15.37 41.9	0.7				9.7	6.2		
17	H	15.37 41.8	0.8			-	3.5	6.4	3.8	3
	Z	15.37 41.6	0.8			-	11.0	3.5		
	A	16.24 31.0	0.5				6.6	3.1		
18	H	16.24 32.1	1.3				0.8	0.4	2.3	2
	Z	16.24 31.2	0.9				1.2	1.0		
	A	18.11 20.6	0.7				1.4	1.4		
18	H	18.11 20.9	0.8				1.4	2.9	3.1	2
	Z	18.11 21.0	0.7			-	2.7	1.0		
	A	18.38 56.5	1.2				2.5	3.2		
18	H	18.38 55.9	0.9				3.6	3.1	5.3	2
	Z	18.38 56.5	1.2				1.5	0.7		
	A	18.44 33.1	1.0			-	33.6	21.2		
18	H	18.44 32.4	0.7			+	35.8	16.7	2.3	4
	Z	18.44 33.2	0.9			-	7.1	4.2		
	A	19.14 13.7	0.9			-	12.1	7.0		
18	H	19.14 13.1					8.5	7.0		3
	Z	19.14 13.7	0.7			-	3.2	2.2		
	A	19.21 07.1	0.8				1.9	0.6		
18	H	19.21 06.6	0.5			-	2.2	3.0	1.0	2
	Z	19.21 07.3	0.8				0.6	0.8		
	A	19.23 31.3	0.9				2.5	2.0		
18	H	19.23 30.8	0.6				1.6	2.3	2.3	2
	Z	19.23 31.4	0.9				1.8	1.5		
	A	19.39 07.6	0.5				6.1	10.4		
18	H	19.39 08.3	1.0			-	1.4	1.2	3.4	2
	Z	19.39 07.7	0.7			-	4.7	9.5		
	A	20.57 35.3	0.9			+	11.9	11.1		
18	H	20.57 34.8	0.5			-	8.2	6.4	2.8	3
	Z	20.57 35.4	1.0				6.9	4.9		
	A	21.27 46.6	0.8				2.2	3.6		
18	H	21.27 46.4	0.6				2.0	2.9	3.3	2
	Z	21.27 47.0	0.9				2.0	0.7		
	A	21.37 26.5	0.9				13.9	8.3		
18	H	21.37 26.0	0.6				5.3	5.9	2.9	3
	Z	21.37 26.6	0.9			-	9.6	5.3		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Aug. 1965
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
18	A	21.37 55.4	0.9				1.6	2.6		
	H	21.37 54.9	0.5			+	1.4	2.0	2.1	2.4
	Z	21.37 55.6	0.9			-	3.0	3.1		
18	A	22.08 25.9	0.5				1.6	1.6		
	H	22.08 26.1	0.8				2.0	2.1	2.5	2.2
	Z	22.08 25.6	0.6			+	3.2	1.9		
18	A	23.24 04.9	0.9				4.0	1.2		
	H	23.24 04.1	0.4			-	9.2	8.6	2.1	2.9
	Z	23.24 05.2	1.0			-	1.5	1.0		
19	A	00.40 06.5	0.7				10.5	9.3		
	H	00.40 07.0	1.0			-	4.1	3.2	3.1	3.2
	Z	00.40 06.4	0.5			+				
19	A	01.48 47.1	1.0				3.0	1.8		
	H	01.48 46.7	0.8				4.1	4.6		2.9
	Z	01.48 47.2	0.7			-	5.5	1.8		
19	A	01.57 42.1	0.6				4.4	4.1		
	H	01.57 42.4	1.2				3.7	4.0	3.6	3.0
	Z	01.57 41.8	0.6			-	17.0	5.2		
19	A	02.07 17.7	0.9				1.4	0.8		
	H	02.07 17.8	0.9			-	1.1	1.4	2.9	2.4
	Z	02.07 17.3	0.6			-		7.2		
19	A	03.48 42.8	0.6			-	6.0	5.4		
	H	03.48 43.4	1.1			-	5.4	6.0	3.1	3.2
	Z	03.48 42.8	0.5			-		17.2		
19	A	04.42 22.8	0.7				7.9	5.8		
	H	04.42 23.6	1.1				9.2	12.1	3.3	3.5
	Z	04.42 22.9	0.5			-	17.0	10.2		
19	A	05.25 07.0	1.0				2.4	3.0		
	H	05.25 06.7	0.7				3.5	3.3	3.0	2.8
	Z	05.25 07.4	0.9			-	3.9	3.1		
19	A	05.49 23.3	0.8			-	3.6	5.6		
	H	05.49 24.4	1.3				1.3	1.4	4.7	2.8
	Z	05.49 23.4	0.7			+	7.0	5.1		
19	A	07.05 36.4	0.9				5.0	2.8		
	H	07.05 36.4	1.1				1.3	0.7	3.9	2.8
	Z	07.05 36.0	0.6			-	5.8	4.6		
21	A	09.57 15.5	0.6				3.1	3.4		
	H	09.57 16.1	0.6				0.4	0.3	2.1	1.9
	Z	09.57 16.0	0.7				6.0	1.8		
21	A	10.19 34.0	0.7				3.4	2.1		
	H	10.19 34.0	0.6				2.2	2.6	2.0	2.5
	Z	10.19 34.3	0.7				2.6			
21	A	10.55 29.1	0.9				1.9	2.3		
	H	10.55 29.3	1.0				1.6	3.4	5.5	2.8
	Z	10.55 30.1	1.3				2.0	1.0		
21	A	11.02 40.9	1.0				4.3	8.5		
	H	11.02 41.0	1.3				5.4	7.8	0.8	3.6
	Z	11.02 40.6	0.3							
21	A	11.48 52.8	0.7				5.7	5.2		
	H	11.48 52.7	0.8			-	2.6	4.0	2.7	2.9
	Z	11.48 53.2	0.6			+	10.2	6.8		
21	A	12.02 34.9	0.8			-	7.1	5.7		
	H	12.02 34.6	0.8			-	5.7	5.8	3.6	3.2
	Z	12.02 35.2	0.8			+	3.0	2.0		
21	A	12.04 09.2	1.3			+	3.2	3.2		
	H	12.04 09.1	1.4				10.2	9.5	6.2	3.5
	Z	12.04 09.1	1.0			-	22.1	6.0		
21	A	15.28 03.2	1.0			+	3.1	3.8		
	H	15.28 03.2	1.1			-	4.0	4.7	4.5	3.1
	Z	15.28 02.8	0.8			-		8.8		
21	A	15.29 39.4	1.1				8.6	10.4		
	H	15.29 39.3	1.4				11.0	9.8	3.6	3.8
	Z	15.29 38.8	0.6							
21	A	16.38 59.3	0.5				3.7	2.4		
	H	16.39 00.0	1.0				1.2	1.8	3.0	2.6
	Z	16.38 59.4	0.6			-	7.2	4.4		
21	A	16.55 12.3	0.8				3.0	2.2		
	H	16.55 12.2	0.7				3.4	4.0	3.3	2.7
	Z	16.55 12.4	0.8			-	7.2	4.3		
21	A	17.57 31.1	0.6				5.1	7.6		
	H	17.57 31.1	0.8			-	2.6	3.6	2.9	2.9
	Z	17.57 31.6	0.7				3.5	2.2		
21	A	19.08 53.8	1.2				2.4	2.0		
	H	19.08 53.8	1.2			-	3.7	4.3	6.3	3.0
	Z	19.08 53.3	1.0			-	4.3	5.1		
21	A	21.11 14.0	1.1				1.4	1.4		
	H	21.11 14.4	1.0				1.5	1.4	1.8	2.5
	Z	21.11 13.6	0.7				3.0	5.5		
21	A	21.40 45.5	0.9			+	3.3	8.4		
	H	21.40 45.1	0.7				6.1	6.9	4.5	3.3
	Z	21.40 45.9	1.2			-	2.6	1.4		
21	A	22.42 49.7	0.7				8.4	11.8		
	H	22.42 49.8	0.7				2.0	4.8	3.1	3.2
	Z	22.42 50.2	0.8			-	2.0	1.8		
21	A	23.06 07.3	1.2				1.0	0.8		
	H	23.06 08.1	1.8				0.8	0.4	1.1	2.5
	Z	23.06 06.6	0.7			-	3.3	2.4		
21	A	23.58 30.9	0.7			-	2.3	5.8		
	H	23.58 30.8	0.6				3.3	2.8	2.8	2.7
	Z	23.58 31.0	0.9				3.2	0.8		
22	A	02.28 26.5	0.8				10.2	5.6		
	H	02.28 26.6	0.9				2.4	3.6	4.1	3.2
	Z	02.28 26.8	0.8			-	4.8	1.7		
22	A	02.42 58.3	0.9			-	28.1	26.0		
	H	02.42 58.2	1.0			+	25.4	25.6	5.2	4.2
	Z	02.42 58.3	0.9			-	12.5			
22	A	02.49 16.1	0.7				4.9	3.3		
	H	02.49 16.3	0.9				1.1	1.2	3.8	2.6
	Z	02.49 16.6	0.7				1.9	1.2		
22	A	02.57 51.0	1.4			-	1.6	1.3		
	H	02.57 51.4	1.8				1.4	1.0		2.9
	Z	02.57 50.3					1.9	1.8		
22	A	03.04 52.2	0.7				7.9	14.5		
	H	03.04 52.6	1.0				3.8	3.0	4.8	3.3
	Z	03.04 52.9	1.0			-	4.8	1.1		
22	A	03.32 56.2	0.5				5.0	3.2		
	H	03.32 56.7	0.7				1.4	2.8	2.3	2.6
	Z	03.32 56.6	0.7			-	3.3	0.8		
22	A	03.40 46.0	1.5				3.0	4.6		
	H	03.40 46.5	2.0				1.4	1.6	8.2	3.3
	Z	03.40 45.7	1.3			+	4.2	3.6		
22	A	03.59 54.2	0.7				13.0	32.4		
	H	03.59 54.3	1.0			+	3.8	6.1	4.7	3.7
	Z	03.59 54.7	1.1			-	4.7	2.8		
22	A	07.06 46.0	0.8				4.0	3.0		
	H	07.06 46.5	1.0				1.6	1.7	2.5	2.7
	Z	07.06 45.6	0.5				33.1			
22	A	07.07 03.3	0.7			+	1.8	1.6		
	H	07.07 03.6	1.0				1.2	1.6	2.7	2.4
	Z	07.07 02.7	0.5			-				
22	A	07.14 46.1	0.7				5.0	4.4		
	H	07.14 46.5	1.1			+	6.5	7.5	4.1	3.2
	Z	07.14 45.9	0.7			-				
22	A	07.55 39.9	0.5				20.2	32.8		
	H	07.55 40.3	1.0			+	5.0	4.8	3.5	3.5
	Z	07.55 40.2	0.8			-	4.5	4.3		
22	A	07.57 48.5	1.2				2.9	3.4		
	H	07.57 48.1	1.1				6.0	5.8	6.4	3.2
	Z	07.57 48.2	1.1				15.8	5.1		
22	A	08.01 11.1	0.5				16.3	20.8		
	H	08.01 11.6	1.0			+	3.4	5.4	3.5	3.4
	Z	08.01 11.4	0.8				2.8	2.8		
22	A	08.46 55.2	0.5				2.7	1.6		
	H	08.46 55.5	1.0				0.9	0.7	2.6	2.3
	Z	08.46 55.6	0.5				2.9	1.0		
22	A	08.53 31.9	1.0			-	2.2	1.0		
	H	08.53	0.8				0.4	0.5		2.1
	Z	08.53 31.3					2.4	3.3		
22	A	10.24 11.4	0.6				5.2	9.4		
	H	10.24 11.7	0.8			+	1.8	2.0	2.8	2.8
	Z	10.24	0.7				1.6	2.0		
22	A	10.56 20.1	0.9				13.7	7.5		
	H	10.56 20.9	1.3			-	6.4	10.4	1.9	3.7
	Z	10.56 19.7	0.3			+	11.6			
22	A	10.57 13.1	1.6			+	4.9	4.2		
	H	10.57 13.4	2.0			+	4.0	2.6	8.7	3.5
	Z	10.57 12.7	1.3			+	7.0			
22	A	12.09 14.8	1.1			+	1.8	1.6		
	H	12.09 15.2	1.1			-	1.4	2.3	3.6	2.7
	Z	12.09 14.2	0.7				10.0			

Aug. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	12.17 00.4	0.3				16.2	14.9		
22	H	12.17 00.9	1.0				1.0	0.7	1.7	2.6
	Z	12.17 00.6	0.7				1.8	1.4		
	A	12.50 18.2	1.0				2.8	1.8		
22	H	12.50 18.0	0.9			-	2.0	3.0	4.6	2.8
	Z	12.50 17.9	0.9			-	14.4	5.5		
	A	12.51 50.8	1.1				4.0	2.5		
22	H	12.51 50.6	0.9				6.7	4.5	4.3	3.2
	Z	12.51 50.7	0.9				9.6	3.9		
	A	14.46 24.6	0.7				3.0	1.6		
22	H	14.46 24.7	0.7			-	1.5	2.8	2.8	2.5
	Z	14.46	0.8				1.9	1.8		
	A	15.20 32.1	1.2				2.0	2.0		
22	H	15.20 32.2	1.3				4.0	5.6	5.3	3.1
	Z	15.20 31.4	0.9							
	A	15.30 25.5	0.5			+	6.7	3.5		
22	H	15.30 26.0	0.9			-	2.3	1.7	2.4	2.7
	Z	15.30 25.5	0.5			-	5.8	3.4		
	A	17.04 04.7	0.8				2.2	2.6		
22	H	17.04 04.9	0.9			+	1.6	3.6	4.1	2.7
	Z	17.04 05.0	0.8			-	2.0	1.5		
	A	18.11 41.7	0.8				5.9	5.1		
22	H	18.11 42.0					2.3	1.9		2.7
	Z	18.11 41.5	0.7			+				
	A	18.47 58.1	0.8				8.8	5.5		
22	H	18.47 58.8	1.0				4.6	4.2	3.7	3.2
	Z	18.47 58.6	0.7			-	5.1	5.7		
	A	19.41 02.1	0.4				4.2	2.9		
22	H	19.41 02.7	1.0				0.5	0.3	2.1	2.1
	Z	19.41 02.3	0.5				1.7	1.7		
	A	19.50 02.0	0.8				2.8	3.0		
22	H	19.50 01.7	0.7				3.6	4.4	4.1	2.8
	Z	19.50 02.2	1.0			-	2.2	1.2		
	A	19.50 24.9	0.5				5.2	6.1		
22	H	19.50 25.7	1.0				4.2	4.4	3.0	3.0
	Z	19.50 25.0	0.6			-		11.5		
	A	20.30 48.8	1.1				1.6	1.3		
22	H	20.30 48.5	0.9			-	2.8	3.0	4.7	2.7
	Z	20.30 48.6	1.0			+	5.0	3.5		
	A	21.19 15.3	0.9				1.5	1.6		
22	H	21.19 15.5	1.0				0.8	1.1	4.1	2.4
	Z	21.19 14.9	0.7			+	7.4	2.0		
	A	22.07 17.9	0.7				2.0	3.2		
22	H	22.07	1.0				1.3	1.7	3.0	2.6
	Z	22.07 17.2	0.5			-	9.8			
	A	00.17 00.9	0.8				5.1	4.6		
23	H	00.16 59.9				-	6.6	6.4		2.9
	Z	00.17 00.9	0.7				1.4	1.0		
	A	02.00 47.6	0.6				7.8	8.3		
23	H	02.00 48.1	0.9			+	1.8	2.3	3.9	2.9
	Z	02.00 48.0	0.9				3.0	1.1		
	A	02.30 06.6	1.0				2.2	2.3		
23	H	02.30 06.2	0.6				3.6	3.6		2.7
	Z	02.30 07.1					2.8	3.0		
	A	03.17 04.4	0.8				7.2	5.4		
23	H	03.17 04.8	0.9				1.4	1.3	4.7	2.8
	Z	03.17 04.6	0.9				2.6	2.3		
	A	03.29 58.4	0.7			+	3.8	5.8		
23	H	03.29 58.3	0.9				1.0	0.9	4.2	2.6
	Z	03.29 58.5	0.8				2.6	1.2		
	A	04.06 55.8	0.9				3.7	3.2		
23	H	04.06 55.4	0.7			-	8.5	9.3	3.7	3.1
	Z	04.06 56.0	0.9				6.9	4.5		
	A	04.07 05.4	0.8				2.4	1.9		
23	H	04.07 05.5	1.0				2.0	2.2	3.6	2.6
	Z	04.07 05.0	0.6					8.6		
	A	04.25 23.3	1.0				2.0	2.9		
23	H	04.25 23.1	1.0			-	4.6	5.0	5.2	3.0
	Z	04.25 23.1	1.0				6.3	3.0		
	A	04.32 22.2	1.1			-	4.0	4.7		
23	H	04.32 23.2	1.6				3.1	4.0	6.1	3.3
	Z	04.32 21.9	0.9				7.0			
	A	04.45 12.1	0.7				2.4	3.4		
23	H	04.45 12.5	0.8				0.6	0.7	1.8	2.2
	Z	04.45	0.5			-	6.6	1.6		

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	A	04.46 29.5	0.9				7.6	6.8		
23	H	04.46 29.9	1.0				3.8	5.0	2.7	3.
	Z	04.46 29.2	0.6							
	A	04.47 47.4	0.8				6.9	4.0		
23	H	04.47 47.8	1.2			+	5.4	6.3	3.9	3.
	Z	04.47 47.1	0.6			-		6.6		
	A	04.49 39.3	0.8				4.0	2.6		
23	H	04.49 40.0	1.2				2.4	3.1	3.8	3.
	Z	04.49 39.0	0.6				50.0			
	A	04.56 59.2	1.0				2.5	2.3		
23	H	04.56 59.2	1.2			-	2.6	3.7	4.6	3.
	Z	04.56 58.6	0.7				9.4	3.2		
	A	05.57 22.6	0.9				4.3	4.1		
23	H	05.57 22.4	0.8				4.7	6.8	3.8	3.
	Z	05.57 22.6	0.8				8.4	5.6		
	A	07.33 27.8	0.7				2.2	2.4		
23	H	07.33 28.6	1.1				1.4	2.0	3.6	2.
	Z	07.33 27.8	0.6				10.5	2.6		
	A	10.37 25.7	0.7				7.8	5.6		
23	H	10.37 25.6	0.8			-	3.4	5.2	3.8	3.
	Z	10.37 25.8	0.8			-	12.4	4.1		
	A	11.16 09.8	0.8				11.3	7.8		
23	H	11.16 09.7	0.7				5.8	6.0	3.8	3.
	Z	11.16 09.7	0.9				10.5	8.2		
	A	11.56 00.6	1.0				3.1	3.0		
23	H	11.56 00.7	1.1				2.5	4.3	5.6	3.
	Z	11.56 01.1	0.9			-	0.7	1.0		
	A	14.27 28.1	1.2			+	4.5	3.2		
23	H	14.27 27.4	0.7			+	7.0		3.2	3.
	Z	14.27 28.0	1.1				5.1	2.6		
	A	15.13 42.8	0.7				12.8	16.2		
23	H	15.13 40.0	0.9			-	1.3		4.2	3.
	Z	15.13 43.4	1.0				3.5	1.6		
	A	16.04 23.7	0.5				2.6	3.6		
23	H	16.04 24.4	1.0			-	4.4		3.2	3.
	Z	16.04 23.8	0.7				11.6	3.0		
	A	16.28 10.7	0.5				2.5	2.1		
23	H	16.28 11.4	0.8				1.9		1.8	2.
	Z	16.28 10.0	0.5				2.4	0.7		
	A	16.33 14.0	0.8				5.1	6.1		
23	H	16.33 14.4	1.0				5.9		3.3	3.
	Z	16.33 13.7	0.6							
	A	16.51 00.0	0.7				5.7	5.6		
23	H	16.51 00.7	1.1				2.8		4.7	3.
	Z	16.51	1.1							
	A	17.22 47.4	0.8				2.0	1.8		
23	H	17.22 47.5	1.0				2.0	2.3	2.9	2.
	Z	17.22 56.6	0.5				11.0	2.8		
	A	18.02 52.2	1.1				3.8	3.5		
23	H	18.02 51.3	0.5			+	4.7	7.0	3.4	3.
	Z	18.02 52.5	1.2				1.0	0.4		
	A	18.46 23.6	0.7				5.9	4.1		
23	H	18.46 24.4	1.2				1.6	1.1	3.3	3.
	Z	18.46 23.0	0.5				9.4			
	A	20.41 34.6	0.5			-	5.0			
23	H	20.41 35.2	1.0				0.3	0.2	2.1	2.
	Z	20.41 34.5	0.4				3.0	3.9		
	A	21.43 58.6	0.9				13.4	5.7		
23	H	21.43 59.2	0.9			-	9.6	9.9	2.1	2.
	Z	21.43 58.8	0.9			-	20.4	9.0		
	A	22.04	1.5				2.6	1.8		
23	H	22.04 42.2	0.9				2.6	5.1		3.
	Z	22.04 43.0	1.2				2.6	1.8		
	A	22.20 58.1	0.5			+	4.4	5.4		
23	H	22.20 58.6	1.1				3.0	5.0	3.3	3.
	Z	22.20 57.9	0.7					4.0		
	A	22.58 57.1	1.5				2.6	3.0		
23	H	22.58 56.3	1.0			+	4.3	4.0		3.
	Z	22.58 57.9	0.7				2.6	1.2		
	A	23.36 20.8	0.6			+	24.8	26.9		
23	H	23.36 21.4	1.2			+	3.1	3.8	4.1	4.
	Z	23.36 21.0	0.8			+	13.3	4.6		
	A	23.39 36.2	0.7				12.7	16.8		
23	H	23.39 36.9	1.0				0.9	1.4	4.5	2.
	Z	23.39 36.4	0.8			-	3.6	1.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Aug. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.52 15.4	0.7				10.3	10.0		
24	H	00.52 16.2	0.9				4.3	4.0	2.6	3.4
	Z	00.52 15.0	0.5							
	A	04.23 56.2	0.6				6.6	9.1		
24	H	04.23 56.6	0.8			+	2.2	3.2	3.1	2.8
	Z	04.23 56.6	0.7				2.4	2.2		
	A	04.48 46.2	1.8				2.9	4.0		
24	H	04.48 45.4	1.2			-	4.2	4.7	7.2	3.8
	Z	04.48 46.9	2.0				5.1	2.0		
	A	10.42 05.6	0.7				5.8	6.4		
24	H	10.42 06.1	1.0				0.8	1.2	4.7	2.9
	Z	10.42 06.0	1.0				0.5	0.2		
	A	11.00 11.5	0.7				5.3	6.3		
24	H	11.00 12.0	0.7			+	1.3	1.3	3.6	2.5
	Z	11.00 11.8	0.9				1.6	1.4		
	A	19.48 43.3	1.5				5.4	8.6		
24	H	19.48 42.5	0.7			+	10.0	6.8		3.8
	Z	19.48 43.5	1.4				1.4	1.0		
	A	20.08 34.8	0.8				1.9	4.0		
24	H	20.08 35.6	1.2				1.0	1.0	4.7	3.4
	Z	20.08 34.7	0.7			+	10.6			
	A	20.43 57.8	0.7				7.6	19.7		
24	H	20.43 58.0	0.7				5.0	6.8	3.9	3.2
	Z	20.43 58.1	0.9				3.2	1.1		
	A	21.26 33.1	1.0				2.0	1.5		
24	H	21.26 32.7	0.6				2.1	2.9	3.2	2.8
	Z	21.26 33.3	1.0				2.0	1.3		
	A	21.31 04.3	0.9			+	2.2	3.8		
24	H	21.31 04.5	0.9				1.0	1.6		3.4
	Z	21.31 03.8	0.5			-	17.4			
	A	21.59 34.4	0.7			+	3.6	3.1		
24	H	21.59 35.3	1.1				0.9	2.4	4.0	3.1
	Z	21.59 34.3	0.7			+	6.4	2.2		
	A	22.13 28.1	0.6				1.8	2.8		
24	H	22.13 28.7	0.9				1.0	0.6	3.2	2.5
	Z	22.13 27.3	0.6				13.1			
	A	22.14 10.7	0.8				2.3	2.6		
24	H	22.14 11.1	1.1				1.3	1.6	2.7	2.8
	Z	22.14 10.0	0.5			-				
	A	00.03 31.2	0.7			+	3.1	3.8		
25	H	00.03 32.0	0.9				0.9	1.0	3.6	2.7
	Z	00.03 30.9	0.7				18.0			
	A	00.23 02.1	0.8				6.3	4.7		
25	H	00.23 01.9	0.7			-	3.6	4.8	3.1	3.3
	Z	00.23 02.1	0.8			-	5.2	2.6		
	A	01.11 40.6	0.8				3.1	2.0		
25	H	01.11 40.5	0.6				2.7	3.5	2.7	3.0
	Z	01.11 40.8	0.8				3.4	1.2		
	A	02.43 39.9	0.7				2.4	4.8		
25	H	02.43 39.9	0.7				1.0	2.0	3.5	2.8
	Z	02.43 40.4	0.9				0.8	0.7		
	A	08.05 32.1	0.7				3.8	3.7		
25	H	08.05 33.0	1.0				3.6	4.7	3.7	3.1
	Z	08.05 31.8	0.6			-	41.5			
	A	12.07 33.0	1.2				5.9	6.0		
25	H	12.07 32.5	0.8			+	6.2	6.2	5.3	3.7
	Z	12.07 33.3	1.3					6.0		
	A	12.17 50.5	0.8			+	3.9	3.1		
25	H	12.17 50.7	1.0			-	2.0	3.8	4.0	3.2
	Z	12.17 50.6	0.7				5.6	3.0		
	A	12.19 22.7	1.2				4.4	5.2		
25	H	12.19 22.7	0.8				3.8	3.2	5.0	3.7
	Z	12.19 22.7	1.3				8.0	3.4		
	A	13.11 05.6	0.8			-	4.6	4.5		
25	H	13.11 06.8	1.5				0.5	0.5	3.7	3.1
	Z	13.11 05.7	0.7			+	4.3	3.4		
	A	00.09 16.1	1.1				7.6	3.7		
26	H	00.09 16.4	1.6			-	1.6	2.1	1.3	3.4
	Z	00.09 15.2	0.5							
	A	06.55 45.2	1.2				4.8	3.0		
26	H	06.55 44.6	0.8			+	6.2	5.8	5.0	3.4
	Z	06.55 45.4	1.3				9.5	7.1		
	A	07.06 37.4	0.8			-	6.8	3.8		
26	H	07.06 37.0	0.5				3.1	3.1	1.6	2.4
	Z	07.06 37.6	0.8				0.9	0.6		
	A	09.38 05.0	0.8			-	9.5	8.7		
26	H	09.38 05.1	1.0				4.6	7.1	2.9	3.5
	Z	09.38 04.4	0.5			-				
	A	11.30 05.4	0.7				7.2	4.6		
26	H	11.30 06.2	1.2			-	0.4	0.4	2.2	2.7
	Z	11.30 04.9	0.3							
	A	12.00 20.7	0.8				3.0	4.8		
26	H	12.00 20.9	1.3				0.7	2.1	5.2	3.1
	Z	12.00 20.8	1.1				0.3	0.5		
	A	14.18 23.5	0.8				5.6	3.4		
26	H	14.18 23.5	0.9				5.1	5.2	4.6	3.3
	Z	14.18 23.5	0.9				2.7	2.3		
	A	23.54 05.0	0.6				2.3	3.0		
26	H	23.54 05.3	1.2				1.1	2.1	2.9	3.2
	Z	23.54 03.8	0.5				10.3	4.5		
	A	02.35 25.9	1.1				3.6	1.6		
27	H	02.35 25.0	0.8				3.8	4.5	3.2	4.7
	Z	02.35 26.3	1.2				1.5	1.9		
	A	11.00 26.8	0.8				4.0	4.0		
27	H	11.00 26.9	1.0				0.7	2.0	5.0	2.9
	Z	11.00 27.5	1.1				1.2	0.8		
	A	13.05 28.6	0.6				4.0	2.9		
27	H	13.05 29.3	1.2				0.2	0.2	2.8	3.1
	Z	13.05 28.4	0.5				10.6	5.1		
	A	16.33 20.3	0.9				5.2	3.9		
27	H	16.33 19.8	0.7				1.4	3.3	4.3	2.9
	Z	16.33 20.5	1.0				2.0	0.7		
	A	18.22 37.5	0.9				5.5	4.6		
27	H	18.22 38.4	2.0				1.3	1.3		2.9
	Z	18.22 37.4	0.7				16.1	12.6		
	A	21.50 21.8	0.8				4.0	3.5		
27	H	21.50 21.1	0.6				2.7	4.0	3.2	3.2
	Z	21.50 21.5	0.9				5.1	2.5		
	A	00.48 49.8	1.0				2.4	2.3		
28	H	00.48 49.4	1.3				1.9	1.4	6.9	3.0
	Z	00.48 50.5	1.3				0.2			
	A	01.43 30.7	0.8				3.2	1.3		
28	H	01.43 30.8	1.0				1.1	0.9	3.1	2.7
	Z	01.43 29.9	0.5				25.2	7.3		
	A	02.48 19.6	1.1				7.7	2.0		
28	H	02.48 18.5	1.0				11.2	10.8	6.2	3.7
	Z	02.48 19.5	1.4				1.5	1.2		
	A	03.35	0.9				3.5	1.0		
28	H	03.35 32.6	0.7				5.6	7.3	4.1	3.0
	Z	03.35 33.1	1.0				2.7	1.7		
	A	09.46 25.9	1.6				1.0	1.4		
28	H	09.46 26.6	2.0				0.5	0.4	9.1	3.2
	Z	09.46 25.5	1.4				3.3	3.0		
	A	09.59 14.8	1.0				3.6	2.2		
28	H	09.59 14.3	1.1				3.8	8.6	6.6	3.5
	Z	09.59 15.7	1.2				0.3			
	A	10.03 39.2	1.0				4.6	6.0		
28	H	10.03 38.3	1.1				7.3	10.5	6.4	3.7
	Z	10.03 39.7	1.3				2.5	2.6		
	A	00.40 15.7	0.8				9.6	6.0		
29	H	00.40 15.6	0.8				5.9	4.2	3.5	3.5
	Z	00.40 15.7	0.8				4.9	4.1		
	A	00.55 04.8	0.7				5.6	4.2		
29	H	00.55 04.5	0.8				4.6	3.9	3.6	3.2
	Z	00.55 04.9	0.8				4.9	2.2		
	A	01.23 48.2	0.8				3.3	2.7		
29	H	01.23 48.0	0.8				3.9	3.7	2.3	3.0
	Z	01.23 48.3	0.7				2.2	1.5		
	A	01.52 34.8	1.5				4.8	2.4		
29	H	01.52 33.5	0.9				4.1	4.1	5.3	3.4
	Z	01.52 34.8	1.6				1.0	1.2		
	A	02.27 41.8	0.9				7.5	4.6		
29	H	02.27 41.0	0.8				2.2	3.9	4.4	3.0
	Z	02.27 41.5	0.9				2.5	2.3		
	A	06.14 51.4	0.8				4.4	4.9		
29	H	06.14 52.2	1.2				2.0	2.4	5.1	3.1
	Z	06.14 51.3	0.9				9.8	5.0		
	A	06.17 44.9	0.7				8.9	13.2		
29	H	06.17 44.9	0.8				4.3	5.2	3.7	3.4
	Z	06.17 44.9	0.9				3.3	3.5		

Aug. 1966 - Sep. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	06.40 00.6	1.6				3.5	4.6		
29	H	06.40 01.8	0.7				0.5	0.5		3.2
	Z	06.40 00.3	0.6				3.5	2.8		
	A	08.08 48.2	0.7				3.6	4.0		
29	H	08.08 48.2	1.2				2.1	2.2	3.6	3.0
	Z	08.08 47.7	0.6				6.7	3.0		
	A	09.47 33.1	0.8				20.2	25.0		
29	H	09.47 33.0	0.9				3.7	6.0	4.5	4.0
	Z	09.47 33.1	1.2				9.5	5.6		
	A	10.37 02.4	0.9				23.7	14.6		
29	H	10.37 01.4	0.7				39.1	54.5	3.2	4.4
	Z	10.37 02.3	1.4				6.4	4.3		
	A	10.57 21.4	1.0				9.3	13.0		
29	H	10.57 20.3	0.5				24.7	17.6	2.5	4.1
	Z	10.57 21.3	1.0				8.9	3.4		
	A	11.05 54.5	1.1				6.5	7.4		
29	H	11.05 55.2	1.5				8.6	6.0	4.2	3.7
	Z	11.05 54.2	0.7				15.5	11.0		
	A	11.23 05.4	0.7				5.5	4.8		
29	H	11.23 05.7	0.9				1.1	1.8	4.3	2.7
	Z	11.23 05.7	1.0				1.8	0.9		
	A	11.38 11.8	0.6				7.0	7.0		
29	H	11.38 11.4	0.8				0.3	0.2	3.7	3.0
	Z	11.38 12.1	1.0				1.5	2.1		
	A	12.09 41.9	1.2				5.5	2.8		
29	H	12.09 42.0	1.3				2.4	3.7	3.2	3.5
	Z	12.09 41.3	0.7				13.7	8.3		
	A	00.40 57.3	0.8				8.7	6.9		
29	H	00.40 57.4	0.9				6.5	5.8	4.0	3.5
	Z	00.40 56.6	0.7				33.8	13.7		
	A	20.49 47.0	0.8				5.8	2.6		
29	H	20.49 46.7	0.9				1.6	2.6	3.9	3.4
	Z	20.49 46.8	0.7				10.2	4.0		
	A	20.52 39.2	0.3				10.0	8.6		
29	H	20.52 39.5	0.9				1.0	1.4		2.7
	Z	20.52 39.8	1.0				0.6	0.6		
	A	01.23 16.0	0.9				7.8	5.2		
30	H	01.23 16.0	0.9				6.0	7.7	4.4	3.7
	Z	01.23 15.5	0.8				13.0	10.2		
	A	01.23 33.0	0.9				12.5	10.5		
30	H	01.23 33.3	0.6				10.6	8.0	2.2	3.6
	Z	01.23 33.0	0.8				37.5	20.0		
	A	02.27 42.1	1.1				3.2	2.3		
30	H	02.27 41.6	0.9				4.8	4.4	4.7	3.3
	Z	02.27 41.9	1.0				3.2	1.9		
	A	08.03 18.5	0.6				4.2	7.3		
30	H	08.03 18.7	1.0				0.4	0.6	2.9	3.2
	Z	08.03 18.7	0.5				7.4			
	A	08.29 55.3	0.6				6.7	10.6		
30	H	08.29 55.5	1.0				1.0	1.9	4.1	3.5
	Z	08.29 55.7	1.0				7.4	1.9		
	A	09.30 55.9	0.5				28.0	16.5		
30	H	09.30 56.6	1.2				4.6	3.4	2.3	3.7
	Z	09.30	0.6				1.8			
	A	09.47 56.1	1.5				2.4	3.5		
30	H	09.47 56.3	1.9				1.0	1.4		3.5
	Z	09.47 51.2	0.7				9.8	9.0		
	A	10.11 09.5	0.6				5.5	4.2		
30	H	10.11 09.8	0.9				0.8	1.6	3.8	3.0
	Z	10.11 10.0	1.0				2.4	1.2		
	A	11.32 57.4	0.7				3.1	2.2		
30	H	11.32 58.1	1.0				1.3	2.3	3.1	2.9
	Z	11.32 57.2	0.5				12.6	10.3		
	A	12.16 47.3	0.9				5.5	5.5		
30	H	12.16 46.5	0.6				6.3	6.5	2.9	3.0
	Z	12.16 46.9	0.9				2.8	2.6		
	A	12.24 08.8	0.9				5.7	3.4		
30	H	12.24 08.4	0.5				2.0	2.6		2.7
	Z	12.24 07.5	0.5				0.4	0.2		
	A	12.46 04.7	0.8				3.3	6.2		
30	H	12.46 04.8	0.7				3.3	5.7	3.9	3.3
	Z	12.46 05.1	0.9				2.0	1.4		
	A	12.49 42.8	0.5				15.5	8.4		
30	H	12.49 43.9	1.5				0.6	0.4		2.9
	Z	12.49 42.8	0.5				5.6	5.4		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.05 09.1	0.5				22.2	7.0		
30	H	14.05 10.0	1.4				1.4	1.6		
	Z	14.05 09.2	0.8				34.0	11.6		
	A	14.09 55.2	0.5				6.4	4.0		
30	H	14.09 56.1	1.3				0.4	0.4	1.2	
	Z	14.09 55.0	0.5				16.6	5.4		
	A	02.08 25.2	0.9				3.8	5.6		
31	H	02.08 25.8	1.2				2.2	2.3	2.3	
	Z	02.08 24.3	0.4				24.2			
	A	03.09 25.8	0.8				4.4	3.2		
31	H	03.09 27.1	1.0				1.2	1.0	3.7	
	Z	03.09 25.6	0.6				6.6	9.4		
	A	04.16 22.4	0.8				5.6	5.2		
31	H	04.16 23.6	1.0				1.4	1.5	3.0	
	Z	04.16 22.1	0.5				6.7	7.2		
	A	04.36 38.0	1.3				5.4	4.8		
31	H	04.36 37.5	0.9				2.3	5.0	4.1	
	Z	04.36 37.9	1.2				1.2	1.9		
	A	08.24 32.0	0.6				5.0	5.3		
31	H	08.24 32.4	0.9				2.0	1.0	2.3	
	Z	08.24 32.2	1.2				0.6	0.4		
	A	11.08 51.4	0.7				16.0	11.6		
31	H	11.08 51.6	0.9				4.2	6.3	4.6	
	Z	11.08 52.2	1.0				3.0	2.4		
	A	19.28 42.5	0.8				5.9	7.5		
31	H	19.28 41.9	1.3				3.4	3.4	3.4	
	Z	19.28 41.2	0.5							

1966 September

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	01.02 44.5	0.5				8.8	7.8		
01	H	01.02 45.1	0.9				1.4	1.0	1.1	
	Z	01.02 44.4	0.5				3.3	2.4		
	A	05.08 03.4	1.0				2.3	4.2		
01	H	05.08 02.3	1.0				1.4	1.0	4.6	
	Z	05.08 02.6	0.5				8.2	7.4		
	A	05.21 30.1	1.0				4.2	4.1		
01	H	05.21 29.2	1.5				2.1	1.2	3.4	
	Z	05.21 29.2	0.6				9.0	12.6		
	A	05.22 33.7	1.0				2.9	3.4		
01	H	05.22 32.7	1.7				1.6	2.2	3.3	
	Z	05.22 33.0	0.7				5.0			
	A	12.12 06.2	0.7				3.5	3.4		
01	H	12.12 06.8	1.0				2.0	3.5	2.7	
	Z	12.12 06.1	0.7				13.4			
	A	15.31 15.4	1.2				3.9	4.1		
01	H	15.31 14.9	0.8	+			6.4	4.5	3.4	
	Z	15.31 15.5	1.2				6.9	4.2		
	A	16.06 35.9	1.4				3.1	2.1		
01	H	16.06 35.0	0.9	-			14.6	10.7	5.0	
	Z	16.06 36.2	1.6				1.0	0.9		
	A	16.50 31.3	0.5				17.2	10.8		
01	H	16.50 31.1	0.9	-			3.1	3.7	2.4	
	Z	16.50	0.8	-			4.3	3.6		
	A	20.37 39.9	0.4				4.7	5.6		
01	H	20.37 40.7	0.9	+			1.3	1.1	1.9	
	Z	20.37 40.4	0.8	-			1.9	1.8		
	A	21.30 02.6	1.1				2.5	4.2		
01	H	21.30 02.8	0.5	+			1.9	2.7	2.0	
	Z	21.30 03.8	1.2	-			2.6	1.7		
	A	22.51 28.6	0.5	+			4.0	7.4		
01	H	22.51 30.5	1.3	-			0.6	0.7	2.1	
	Z	22.51 29.3	0.7	+			8.6	7.4		
	A	02.43 19.6	0.6				4.2	5.2		
02	H	02.43 19.8	1.0	-			3.0	3.2	1.5	
	Z	02.43 19.3	0.5				19.4	6.0		
	A	05.46 12.3	0.6				8.1	6.0		
02	H	05.46 12.6	1.0	-			1.3	1.6	2.2	
	Z	05.46 12.1	0.6	-			10.2	6.2		
	A	13.22 26.6	0.9				5.0	3.3		
02	H	13.22 26.1	0.7				2.9	5.0	1.9	
	Z	13.22 26.8	0.9				2.4	2.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
02	A	17.25 38.7	0.8				2.2	1.6		
	H	17.25 38.7	0.8			+	6.4	7.6	1.8	3.0
	Z	17.25 38.3	0.7				14.4	6.4		
03	A	02.23 43.5	0.6				2.6	2.2		
	H	02.23 43.6	0.9				0.8	0.7	3.0	2.3
	Z	02.23 44.3	1.0				2.6	0.4		
03	A	03.17 04.7	0.7				6.6	7.2		
	H	03.17 04.4	0.7				5.2	5.4	2.4	3.1
	Z	03.17 05.0	1.0				4.2	1.4		
03	A	04.14 05.6	0.9				2.8	3.7		
	H	04.14 05.9	1.0			-	1.7	1.9	1.0	2.9
	Z	04.14 05.1	0.5				57.7			
03	A	04.58 56.0	0.7				3.9	4.6		
	H	04.58 56.1	0.7			+	1.5	2.2	1.9	2.7
	Z	04.58 56.4	0.8				1.2	0.6		
03	A	06.45 33.0	0.9				4.7	3.9		
	H	06.45 33.1	1.3				1.2	1.8	3.1	3.0
	Z	06.45 32.3	0.6							
03	A	07.31 56.7	0.6				2.9	2.6		
	H	07,31 57,6	1,0				0.4	0,4	0.9	2.1
	Z	07.31 56.6	0,4					7.2		
03	A	08.37 59.8	1.4				2.8	2.9		
	H	08.37 59.1	0.9				5.8	5.0	4.6	3.3
	Z	08.37 59.5	1.4				1.8	1.2		
03	A	09.01 36.4	0.6				4.5	3.4		
	H	09.01 37.0	1.0				0.4	0.3	2.9	2.3
	Z	09.01 36.8	0.8				3.1	1.5		
03	A	09.04 31.8	0.8				2.3	2.1		
	H	09.04 32.0	1.1				0.9	0.7	1.5	2.5
	Z	09.04 31.4	0.4							
03	A	09.38 53.1	0.9				17.0	17.7		
	H	09.38 52.6	0.6				9.6	8.7	2.7	3.6
	Z	09.38 53.3	1.1				4.8	4.2		
03	A	10.24 31.7	0.6				5.8	5.0		
	H	10.24 32.7	1.2			-	0.6	0.2	2.6	2.6
	Z	10.24 31.8	0.6				4.3	4.4		
03	A	13.33 52.7	0.6		-		2.7	1.9		
	H	13.33 52.5	0.8		-		1.4	2.0	1.0	2.5
	Z	13.33 52.5	0.6		-		9.9	5.0		
03	A	13.34 41.6	0.8		+		3.0	1.9		
	H	13.34 41.7	0.9				3.3	2.9	2.0	2.9
	Z	13.34 51.6	0.6		-		13.8	6.1		
03	A	13.46 27.2	0.9		+		10.5	6.1		
	H	13.46 26.2	1.0				8.8	10.3	2.6	3.6
	Z	13.46 25.5	0.7		+		8.2	3.0		
03	A	15.05 51.5	0.5		+		7.3	3.3		
	H	15.05 52.4	1.1				0.6	0.3	1.4	2.6
	Z	15.05 51.7	0.4		+		6.0	8.6		
03	A	15.23 14.3	0.6		+		7.4	11.3		
	H	15.23 14.3	0.7				2.0	2.9	2.2	3.0
	Z	15.23 14.6	0.9		-		1.4	1.0		
03	A	18.50 04.4	0.6		+		2.7	1.3		
	H	18.50 04.4	0.6		-		4.3	4.5		2.7
	Z	18.50 04.7	0.7				2.0	1.7		
03	A	19.13 33.0	0.7		+		2.6	2.2		
	H	19.13 33.5	1.2		-		1.0	0.8	2.1	2.5
	Z	19.13 32.5	0.4		-		10.8	4.2		
03	A	19.50 44.4	0.7		-		1.7	2.5		
	H	19.50 44.9	1.1		-		2.2	3.1	1.8	2.8
	Z	19.50 44.0	0.5		-		35.7	20.3		
03	A	21.11	0.9		+		3.9	7.2		
	H	21.11 19.9	0.6		-		4.1	3.5	2.0	3.1
	Z	21.11 21.1	1.0				1.6	1.7		
03	A	23.04 12.9	0.9		+		2.0	2.4		
	H	23.04 13.0	1.3		-		1.6	1.3	2.8	2.7
	Z	23.04 12.4	0.5		+		7.8	6.0		
04	A	02.41 44.3	0.6		+		4.8	4.3		
	H	02.41 44.8	1.0		+		0.9	0.9	2.7	2.6
	Z	02.41 44.5	0.7		-		2.2	1.0		
04	A	12.24 24.1	0.6		-		8.8	5.6		
	H	12.24 24.8	1.1				0.6	0.8	0.9	2.8
	Z	12.24 23.9	0.3				22.0	18.0		
04	A	13.07 26.1	1.0				3.9			
	H	13.07 26.2	1.3				1.0	0.7	3.2	2.8
	Z	13.07 25.6	0.6				5.0			
04	A	14.43 13.8	0.9				3.3	5.1		
	H	14.43 13.8	1.0				2.7	4.3	2.9	3.2
	Z	14.43 13.4	0.7				4.1	12.8		
04	A	15.16 34.9	0.6				10.5	6.2		
	H	15.16 34.9	1.1			-	1.1	1.6	1.6	3.0
	Z	15.16 34.0	0.4				21.8			
04	A	22.22 51.3	0.8				2.4	2.8		
	H	22.22 51.8	1.1				1.0	1.3	1.9	2.6
	Z	22.22 50.9	0.5							
04	A	23.23 55.3	0.7				2.7	4.6		
	H	23.23 56.1	1.0				0.6	0.8	1.7	2.6
	Z	23.23 55.5	0.5							
05	A	01.54 36.5	0.6				4.4	5.6		
	H	01.54 37.5	1.0				0.6	0.4	1.9	2.5
	Z	01.54 36.3	0.5				7.4	4.5		
05	A	02.58 17.9	0.9				5.2	3.3		
	H	02.58 18.3	1.0				1.1	0.9	1.0	2.7
	Z	02.58 17.5	0.4				10.8	9.8		
05	A	03.34 41.6	0.8				4.4	5.2		
	H	03.34 41.9	1.0				2.8	6.5	1.8	3.3
	Z	03.34 41.3	0.5				24.4	8.0		
05	A	04.29 44.7	1.0				1.4	1.4		
	H	04.29 44.4	0.8				4.3	6.5	3.1	2.9
	Z	04.29 45.0	1.0				3.2	1.6		
05	A	05.15 49.1	0.6				2.9	5.8		
	H	05.15 49.3	0.8				2.2	3.0	2.6	2.9
	Z	05.15 49.6	0.9				1.0	1.0		
05	A	06.00 49.6	0.7				3.6	2.4		
	H	06.00 50.1	1.0				0.7	0.3	1.7	2.6
	Z	06.00 49.1	0.5				21.8			
05	A	08.52 45.0	0.7				5.8	4.2		
	H	08.52 42.7	1.0				3.4	5.6	2.2	3.2
	Z	08.52 42.5	0.6				1.7	0.9		
05	A	12.09 31.0	0.7				6.6	11.1		
	H	12.09 30.9	0.8				2.6	3.4	3.0	3.2
	Z	12.09 31.5	0.9				1.2	1.1		
05	A	14.42 58.7	0.8			+	4.0	3.6		
	H	14.42 58.9	0.9			-	5.2	5.8	2.1	3.1
	Z	14.42	0.7			-	6.2	4.3		
05	A	14.47 36.0	0.8			+	4.1	4.2		
	H	14.47 36.1	0.9			-	8.4	9.3	2.9	3.3
	Z	14.47	0.8			-	7.2	6.2		
05	A	15.25 40.5	0.6				3.3	4.9		
	H	15.25 40.7	1.0			-	2.9	3.0	1.1	2.9
	Z	15.25	0.4			-	31.8	10.6		
06	A	00.15 56.7	0.7			-	6.8	5.0		
	H	00.15 57.9	1.2			-	1.0	1.2	1.9	2.9
	Z	00.15	0.4			+	7.4	6.3		
06	A	10.28 54.1	0.9			-	3.5	1.6		
	H	10.28 55.1	1.7			-	0.7	0.3	3.2	2.7
	Z	10.28	0.8			+	2.8	1.9		
06	A	10.29 08.1	1.6			-	8.0	7.0		
	H	10.29 08.6	2.0			-	3.2	4.4	7.6	3.8
	Z	10.29	1.3			+	12.4	2.5		
06	A	10.53 57.1	1.2			+	2.5	5.1		
	H	10.53 56.7	1.7			-	1.5	1.7	3.7	3.2
	Z	10.53	0.7			+	12.6	7.2		
06	A	11.05 36.2	0.7			+	8.5	4.4		
	H	11.05 36.2	0.7			-	1.6	1.5	1.6	2.8
	Z	11.05	0.8			-	0.6	1.1		
06	A	13.50 56.1	0.4				9.2	9.2		
	H	13.50 57.3	1.0			+	1.8	3.2	1.9	2.8
	Z	13.50	0.7			-	2.2	1.9		
06	A	15.55 44.7	0.4			+	4.4	4.6		
	H	15.55 45.6	0.8				0.3	0.2	1.1	2.0
	Z	15.55	0.7			-	1.1	0.5		
06	A	17.19 48.9	0.9				1.1	1.5		
	H	17.19 49.5	1.2				0.6	0.6	1.8	2.4
	Z	17.19	0.4			+	4.2	5.2		
06	A	17.19 53.4	0.9				0.7	1.6		
	H	17.19 54.1	1.2				0.8	0.7	2.6	2.5
	Z	17.19	0.5				3.4	6.0		
06	A	23.54 41.7	1.1				1.4	1.3		
	H	23.54 41.5	0.8			-	1.3	1.9	2.0	2.5
	Z	23.54	0.9				3.5	11.1		

Sep. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
07	A	04.21 27.4	0.6			+	14.4	19.0		
	H	04.21 27.8	1.1			+	0.6	1.3	3.4	3.1
	Z	04.21	0.9			-	10.8	2.9		
07	A	04.43 41.9	0.6			-	5.6	3.6		
	H	04.43 42.5	1.2			-	0.6	0.7	1.5	2.7
	Z	04.43	0.4			+	9.1	3.8		
07	A	08.16 04.6	1.0				2.2	3.5		
	H	08.16 04.0	0.7			-	5.6	6.3	2.2	3.0
	Z	08.16 04.5	0.9			-	2.6	1.7		
07	A	10.41 39.0	1.0				1.6	1.3		
	H	10.41 38.5	0.8				6.2	5.8	3.1	2.9
	Z	10.41 38.9	1.0				3.2	1.8		
07	A	11.09 25.1	0.7				3.2	3.9		
	H	11.09 25.6	1.0				0.6	0.7	3.7	2.5
	Z	11.09 25.4	1.0				4.4	2.5		
07	A	22.29 06.6	1.3				2.8	1.8		
	H	22.29 05.7	0.9			+	3.5	3.0	4.2	3.0
	Z	22.29 06.7	1.3				2.8	1.6		
08	A	03.14 44.2	0.6				7.0	5.1		
	H	03.14 44.4	1.0			+	1.4	2.8	3.3	3.0
	Z	03.14 45.0	1.0			-	3.9	5.5		
08	A	04.13 19.8	1.0				1.3	1.5		
	H	04.13 20.3	1.4				0.6	0.6	3.3	2.4
	Z	04.13 19.4	0.6							
08	A	04.18 24.9	1.4				7.3	2.9		
	H	04.18 23.9	1.0			+	3.7	4.0	5.1	3.4
	Z	04.18 25.0	1.4				2.6	1.4		
08	A	05.01 11.7	1.0				13.5	16.7		
	H	05.01 11.2	0.7			-	17.0	13.2	3.0	3.9
	Z	05.01 12.3	1.0					8.0		
08	A	05.01 31.2	0.9				3.1	6.2		
	H	05.01 31.0	0.6				3.0	3.3	2.5	3.0
	Z	05.01 31.4	1.0				2.2	1.4		
08	A	09.54 36.4	0.6				8.0	16.0		
	H	09.54 36.9	1.4				1.3	2.1	3.1	3.3
	Z	09.54 36.4	0.7				6.6	9.0		
08	A	14.06 06.4	0.9				3.4	3.8		
	H	14.06 07.0	1.0				1.5	1.8	2.2	2.9
	Z	14.06 06.4	0.6			-	10.0	4.9		
08	A	19.36 38.4	1.1			+	2.2	4.4		
	H	19.36 37.5	0.8				7.5	8.5	3.3	3.3
	Z	19.36 38.3	1.0			-	3.8	2.9		
09	A	03.23 06.1	0.3				13.6	17.3		
	H	03.23 06.8	0.9				0.6	0.4	1.0	2.5
	Z	03.23 06.6	0.8				3.3	1.2		
09	A	03.41 57.7	0.8				8.0	8.5		
	H	03.41 58.1	1.0				2.5	3.3	2.7	3.2
	Z	03.41 57.5	0.7				5.5	5.4		
09	A	04.23 58.4	0.7				6.1	3.2		
	H	04.23 58.2	0.6				2.8	4.1	1.9	3.0
	Z	04.23 58.9	0.9				2.4	1.1		
09	A	04.39 29.1	0.9				2.4	2.3		
	H	04.39 30.2	1.4				1.2	1.3	4.1	2.8
	Z	04.39 28.6	0.7				10.4	7.8		
09	A	06.17 58.4	0.6				14.0	24.8		
	H	06.17 58.1	0.6			+	6.8	7.2	1.9	3.6
	Z	06.17 58.8	0.9			-	2.4	2.4		
09	A	07.34 57.4	0.9			+	17.3	20.4		
	H	07.34 56.8	0.9			-	13.5	17.9	3.4	4.0
	Z	07.34 57.3	0.9			+	15.1	7.0		
09	A	07.42 32.0	0.7				3.9	4.9		
	H	07.42 31.9	0.7				0.8	1.0	1.9	2.5
	Z	07.42 32.6	0.8				0.5	0.2		
09	A	08.34 39.4	0.7				6.6	5.0		
	H	08.34 39.6	0.6			+	2.5	2.5	2.2	2.8
	Z	08.34 40.0	1.1				1.3	1.0		
09	A	10.52 58.0	0.6				6.2	8.8		
	H	10.52 58.2	0.8			+	2.7	3.7	2.7	3.1
	Z	10.52 58.7	0.9				1.3	0.6		
09	A	13.39 25.9	0.8			+	5.4	3.5		
	H	13.39 25.4	0.6				3.7	5.3	2.3	3.1
	Z	13.39 26.2	1.0			-	3.6	1.4		
09	A	13.44 37.2	0.6				8.8	13.4		
	H	13.44 37.1	0.9			+	5.5	5.8	2.9	3.3
	Z	13.44 37.7	0.9			-	2.0	2.0		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
09	A	13.47 27.5	0.5			-	3.8	4.1		
	H	13.47 27.6	0.6			+	4.6	3.1	1.1	2
	Z	13.47 28.0	0.9			-	1.1	1.0		
09	A	14.15 33.0	0.6			+	4.8	8.1		
	H	14.15 33.0	0.9			+	1.7	1.9	2.9	2
	Z	14.15 33.6	0.9			-	1.0	0.7		
09	A	16.39 24.7	1.6				3.4	2.0		
	H	16.39 25.4	2.3				1.8	2.0	7.0	3
	Z	16.39 24.1	1.4				2.2	3.2		
09	A	16.41 19.6	1.5			-	11.7	7.8		
	H	16.41 20.5	2.1			+	4.1	6.4	7.9	3
	Z	16.41 19.2	1.4				12.4	16.7		
09	A	16.44 50.1	1.4			-	3.5	1.8		
	H	16.44 50.7	2.1				1.9	3.0	6.3	3
	Z	16.44 49.7	1.2				4.1	4.9		
09	A	18.34 45.1	0.5			-	9.1	8.1		
	H	18.34 45.4	0.9			+	0.7	1.0	2.3	2.
	Z	18.34 45.7	0.9				0.8	0.5		
09	A	19.38 28.5	0.6				17.4	10.6		
	H	19.38 29.2	0.9				1.1	1.8	3.0	2.
	Z	19.38 29.1	1.0				1.3	1.4		
09	A	20.41 32.0	1.7			+	8.8	16.9		
	H	20.41 30.4	0.8			+	8.4	13.3	9.1	4.
	Z	20.41 31.7	1.5				7.7	4.8		
10	A	00.41 46.0	1.6			+	2.9	1.8		
	H	00.41 46.3	2.0			+	1.4	2.2	7.2	3.
	Z	00.41 45.9	1.2				3.6	6.6		
10	A	02.20 19.5	1.3			+	4.3	3.3		
	H	02.20 19.7	1.5			-	1.9	2.1	5.7	3.
	Z	02.20 18.5	1.0				14.0	9.8		
10	A	02.49 31.5	1.2			+	9.9	5.8		
	H	02.49 31.9	1.4			+	4.6	4.3	4.8	3.
	Z	02.49 30.5	0.9				14.7	11.6		
10	A	04.23 17.1	0.4				8.2	4.9		
	H	04.23 17.9	0.9				0.6	0.3	1.8	2.
	Z	04.23 17.7	0.8				1.1	1.0		
10	A	05.13 58.1	0.7				4.1	5.4		
	H	05.13 58.9	1.3			+	0.8	0.6	3.2	2.
	Z	05.13 59.1	0.6				6.4	6.1		
10	A	07.00 38.7	0.9			-	5.3	6.5		
	H	07.00 37.6	1.1			+	6.6	7.2	2.7	3.
	Z	07.00 38.4	1.3				2.1	1.4		
10	A	07.01 01.4	0.4				13.4	12.4		
	H	07.01 01.8	1.0			+	2.6	2.1	2.3	3.
	Z	07.01 01.6	0.8				2.1	2.3		
10	A	08.20 14.1	0.6			+	5.0	8.8		
	H	08.20 15.2	1.2				1.2	1.6	2.4	3.
	Z	08.20 15.2	0.5				8.5	5.2		
10	A	08.22 35.8	0.9				15.7	13.8		
	H	08.22 35.3	0.6			-	10.2	10.4	1.7	3.
	Z	08.22 35.8	1.0				10.4	7.4		
10	A	12.37 56.5	1.1				1.4	1.9		
	H	12.37 56.5	1.2				6.5	5.2	4.2	3.
	Z	12.37 56.0	0.9				5.4	3.0		
10	A	13.30 44.5	1.4				4.1	6.6		
	H	13.30 43.5	0.7			+	9.3	8.6	2.9	3.
	Z	13.30 45.0	1.4			-	4.1	2.1		
10	A	14.01 49.0	0.4				5.2	3.8		
	H	14.01 49.8	1.1				1.8	2.5	1.5	2.
	Z	14.01 49.2	0.6				11.5			
10	A	17.37 01.8	1.1				3.8	2.3		
	H	17.37 01.3	1.0				5.4	6.0	3.5	3.
	Z	17.37 01.7	0.9				20.6	15.2		
10	A	19.36 19.2	0.7				2.4	5.0		
	H	19.36 18.9	1.0				4.2	4.9	1.0	2.
	Z	19.36 18.3	0.4				24.0	7.8		
10	A	23.07 05.9	0.9				9.6	10.0		
	H	23.07 05.7	0.8			-	9.8	11.8	2.4	3.
	Z	23.07 06.0	0.8				12.8	15.1		
11	A	01.29 57.9	1.1			-	4.1	3.0		
	H	01.29 57.8	1.1			+	3.2	3.5	5.7	3.
	Z	01.29 58.7	1.4				1.3	1.5		
11	A	01.55 28.1	1.2				3.4	1.4		
	H	01.55 28.4	1.4			-	1.0	0.8	2.7	2.
	Z	01.55 27.7	0.6			+	5.1	6.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Sep. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	01.55 44.8	1.1				2.6	1.2		
11	H	01.55 45.0	1.6			-	0.6	0.5	3.2	2.7
	Z	01.55 44.4	0.6			+	6.4	5.0		
	A	02.11 11.7	2.0				28.0	10.0		
11	H	02.11 10.6	1.2			-	10.9	18.2	6.2	3.9
	Z	02.11 12.0	2.1			-	3.0	2.6		
	A	02.30 36.8	0.7				4.2	1.8		
11	H	02.30 37.9	1.4				0.7	0.6	2.7	2.7
	Z	02.30 36.9	0.6				10.1	6.3		
	A	05.06 42.3	1.4			-	2.1	2.3		
11	H	05.06 43.5	2.1				1.0	0.8	6.0	3.0
	Z	05.06 44.1	1.1				5.6	8.8		
	A	07.15 27.8	0.8				3.8	6.6		
11	H	07.15 28.7	1.5				1.2	2.4	4.7	3.2
	Z	07.15 28.1	1.0			+	4.8	3.7		
	A	10.13 33.5	0.5				12.8	18.2		
11	H	10.13 34.3	0.9				0.6	0.8	2.5	3.5
	Z	10.13 34.2	0.9			-	3.0	2.2		
	A	16.00 04.7	1.2				2.5	3.3		
11	H	16.00 04.4	0.8			+	8.6	13.6	2.2	3.4
	Z	16.00 05.0	1.0			-	7.0	6.3		
	A	16.02 30.8	1.1				9.6	7.3		
11	H	16.02 30.2	0.9			+	8.2		3.7	3.6
	Z	16.02 31.0	1.0			-	6.1	6.4		
	A	16.07 43.9	1.1				4.0	3.8		
11	H	16.07 43.3	0.8			-	9.4	8.6	2.4	3.3
	Z	16.07 44.0	1.0			+	3.1	2.5		
	A	17.17 51.2	0.8				6.2	3.4		
11	H	17.17 52.2	1.5			+	1.6	1.8	1.5	3.1
	Z	17.17 51.2	0.4							
	A	17.46 12.2	1.1				2.6	1.5		
11	H	17.46 12.2	0.9			-	3.0	2.9	2.7	2.9
	Z	17.46 12.9	0.9				1.3	1.4		
	A	17.59 57.1	1.3				5.3	3.0		
11	H	17.59 56.6	1.0			+	5.6	5.8	2.9	3.4
	Z	17.59 57.7	1.1				3.6	2.5		
	A	19.55 50.3	1.5				25.8	13.4		
11	H	19.55 49.2	0.8			+	16.4	13.1	3.1	4.4
	Z	19.55 50.6	0.5				9.1	7.0		
	A	20.09 50.7	1.0				3.0	2.9		
11	H	20.09 50.3	0.7				7.6	6.6	1.6	3.2
	Z	20.09 51.0	0.9				3.1	1.6		
	A	20.21 16.4	1.3				2.4	2.4		
11	H	20.21 17.0	1.4				1.0	0.7	6.4	2.8
	Z	20.21 16.4	1.2				4.0	4.6		
	A	21.19 01.1	0.7				13.3	17.4		
11	H	21.19 00.6	0.9			+	1.7	2.2	3.6	3.3
	Z	21.19 01.0	1.0			-	3.6	2.4		
	A	23.12 35.8	1.4				2.3	1.2		
11	H	23.12 36.3	2.0				1.3	1.4	7.0	3.1
	Z	23.12 35.7	1.2				3.4	4.9		
	A	01.13 40.8	0.7			+	4.6	4.2		
12	H	01.13 41.6	1.2			+	2.2	2.8	2.8	3.0
	Z	01.13 41.0	0.6					11.0		
	A	01.48 58.7	0.8				3.6	4.9		
12	H	01.48 59.1	1.1				1.6	1.6	2.5	2.9
	Z	01.48 58.4	0.6							
	A	02.21 26.5	1.1				2.3	2.7		
12	H	02.21 26.0	1.0			-	7.6	6.6	4.2	3.3
	Z	02.21 26.6	1.0				7.2	3.8		
	A	03.43 29.7	0.8			+	15.8	31.0		
12	H	03.43 30.2	1.0				3.6	5.2	4.2	3.8
	Z	03.43 30.2	1.0			-	6.6	4.6		
	A	04.59 49.8	0.7			-	4.5	5.5		
12	H	04.59 50.7	1.2				1.2	1.6	2.5	3.0
	Z	04.59 49.4	0.5			+				
	A	08.40 26.6	1.1				5.1	9.2		
12	H	08.40 25.8	0.6				8.6	11.6	3.4	3.6
	Z	08.40 27.2	1.3				5.3	5.8		
	A	08.41 24.4	1.6				1.8	1.5		
12	H	08.41 25.2	2.2				0.9	1.0	7.8	3.0
	Z	08.41 24.2	1.4				1.1	1.6		
	A	10.00 22.4	1.0				2.5	3.6		
12	H	10.00 23.1	1.4				0.9	1.3	5.2	3.6
	Z	10.00 22.7	1.0				2.9	6.8		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	12.18 17.8	0.6				3.5	5.1		
12	H	12.18 18.3	0.9				1.0	1.1	2.7	2.6
	Z	12.18 18.4	1.1					3.0		
	A	16.39 25.8	0.6				10.2	11.8		
12	H	16.39 26.3	0.9			+	1.9	2.2	2.7	3.0
	Z	16.39 26.7	1.0			-	3.5	2.4		
	A	16.39 36.3	0.6				7.9	9.4		
12	H	16.39 36.7	0.9				2.4	3.2	3.2	3.1
	Z	16.39 37.1	1.0			-	4.7	1.9		
	A	17.18 37.9	0.6				6.0	7.2		
12	H	17.18 38.0	0.7				1.3	2.1	2.2	2.8
	Z	17.18 38.4	1.0				0.8	0.6		
	A	17.47 49.0	1.5				2.7	1.0		
12	H	17.47 48.6	1.0			+	1.4	2.4	2.2	3.0
	Z	17.47 49.8	1.3				0.7	0.6		
	A	19.27 02.4	1.0				2.0	2.0		
12	H	19.27 02.6	1.4			-	1.6	1.1	3.6	2.8
	Z	19.27 01.9	0.6				5.0	5.5		
	A	19.27 35.3	1.1				3.1	2.8		
12	H	19.27 35.3	1.3			-	1.4	3.0	4.7	3.1
	Z	19.27 34.9	0.8				8.6	11.1		
	A	20.32 08.2	0.6				3.6	3.5		
12	H	20.32 08.5	1.0				2.1	4.4	2.8	2.9
	Z	20.32 08.8	0.8			-	4.5	3.1		
	A	21.10 43.9	0.8				6.6	8.0		
12	H	21.10 44.2	1.0			+	1.3	2.9	4.3	3.2
	Z	21.10 44.5	1.3				1.3	1.0		
	A	22.20 24.1	0.9				7.0	9.2		
12	H	22.20 24.7	1.4			-	2.0	2.4	4.4	3.3
	Z	22.30 23.9	0.8					9.6		
	A	23.17 40.2	1.1				5.2	4.0		
12	H	23.17 35.1	0.8			-	4.3	4.9	3.4	3.2
	Z	23.17 41.4	1.1				2.7	1.9		
	A	00.43 48.9	1.2				11.6	12.7		
13	H	00.43 47.7	1.0				13.7	13.5	5.1	4.0
	Z	00.43 49.2	1.2			-	3.2	2.1		
	A	00.56 16.1	1.5				13.8	4.4		
13	H	00.56 17.1	2.2				3.0	4.6	2.0	4.1
	Z	00.56 16.0	0.9			+	8.1			
	A	02.00 10.1	1.3			-	23.4	15.0		
13	H	02.00 10.2	1.7			-	4.5	2.8	4.1	4.0
	Z	02.00 09.6	0.8			-				
	A	02.37 26.0	0.9				3.6	7.4		
13	H	02.37 25.5	0.6			+	3.2	4.8	2.3	3.2
	Z	02.37 26.7	1.0					1.5		
	A	03.53 56.0	1.2			+	5.6	9.0		
13	H	03.53 55.1	1.1			-	12.6	8.6	4.7	3.9
	Z	03.53 55.6	1.1					5.3		
	A	04.12 38.2	0.8				6.5	8.8		
13	H	04.12 38.2	0.8			+	8.7	10.8	3.3	3.5
	Z	04.12 38.8	1.0			-		2.3		
	A	04.35 46.1	0.8			-	8.6	9.5		
13	H	04.35 46.1	0.8			+	11.1	12.3	3.5	3.6
	Z	04.35 46.9	1.0			-		1.8		
	A	05.39 23.9	1.3				3.6	2.2		
13	H	05.39 22.7	0.6			+	5.0	5.2	2.4	3.1
	Z	05.39 24.2	1.4					1.0		
	A	06.35 52.1	1.0				23.0	16.4		
13	H	06.35 51.9	1.4				6.0	5.8	2.9	3.9
	Z	06.35 51.9	0.5							
	A	08.56 29.3	1.4				3.6	1.6		
13	H	08.56 28.2	0.9				1.6	2.7	3.7	3.1
	Z	08.56 29.6	1.4				1.2	0.9		
	A	09.52 05.4	0.8				1.9	2.1		
13	H	09.52 05.9	1.0				2.0	2.9	2.5	2.8
	Z	09.52 05.4	0.6				14.9			
	A	11.27 57.1	0.8				2.2	1.6		
13	H	11.27 57.2	1.1				2.8	3.1	3.1	2.9
	Z	11.27	0.6				7.0	3.9		
	A	14.50 35.3	1.0			-	18.0	18.1		
13	H	14.50 35.6	1.1			+	6.0	15.0	5.6	4.1
	Z	14.50 36.0	1.3			-		11.0		
	A	15.31 51.1	0.5			-	6.2	9.0		
13	H	15.31 51.9	1.3			-	1.1	1.4	1.5	2.9
	Z	15.31 51.2	0.4				5.9	6.4		

Sep. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
13	A	19.18 27.9	0.6				6.6	8.4		
	H	19.18 28.0	0.7				2.2	3.2	2.2	3.0
	Z	19.18 28.5	1.0			-	1.0	1.0		
14	A	00.49 44.5	0.6				6.0	4.6		
	H	00.49 44.4	0.6				4.2	3.7	1.0	2.9
	Z	00.49 45.2	0.8				1.0	1.4		
14	A	02.08 58.1	0.8				4.5	4.4		
	H	02.08 59.1	1.2			-	2.7	2.8	3.5	3.1
	Z	02.08 58.5	0.7			-				
14	A	02.46 12.8	0.7				8.7	15.3		
	H	02.46 13.7	1.2			-	3.5	4.6	4.1	3.5
	Z	02.46 12.8	0.7			+		11.0		
14	A	05.29 51.4	0.7				2.3	4.1		
	H	05.29 51.4	1.3				7.3	9.0	3.8	3.4
	Z	05.29 51.9	0.8					3.9		
14	A	06.17 24.7	1.4				5.6	7.1		
	H	06.17 23.9	0.9			+	10.3	11.6	4.8	3.7
	Z	06.17 24.9	1.4			-	3.8	2.7		
14	A	06.26 40.1	1.0				35.2	10.2		
	H	06.26 39.4	0.5			+			2.0	4.5
	Z	06.26 40.5	1.1			-				
14	A	09.25 41.9	1.5			+	11.6	11.4		
	H	09.25 42.8	2.0			+	4.3	7.0	6.0	4.1
	Z	09.25 41.9	1.1							
14	A	10.23 25.3	0.7			-	3.0	4.2		
	H	10.23 25.9	1.2				1.1	1.0	2.5	2.7
	Z	10.23 25.0	0.5			+	8.7	3.7		
14	A	11.05 22.8	1.2			+	2.8	3.2		
	H	11.05 22.6	1.0			-	8.2	6.7	3.7	3.3
	Z	11.05 22.8	1.0				7.4	3.8		
14	A	12.24 10.4	0.7				5.6	4.1		
	H	12.24 10.9	1.2			-	2.5	3.1	2.7	3.0
	Z	12.24 09.7	0.6					5.2		
14	A	13.24 34.0	0.5				7.6	6.6		
	H	13.24 34.9	1.0				0.6	0.8	2.1	2.6
	Z	13.24 34.6	0.6					5.4		
14	A	13.49 00.2	0.9				2.8	5.4		
	H	13.49 00.8	1.4				0.8	0.7	3.9	2.9
	Z	13.49 00.0	0.7					7.6		
14	A	14.36 51.9	0.7			+	1.6	1.6		
	H	14.36 52.4	1.1				2.0	1.8	3.0	2.6
	Z	14.36 52.1	0.6					3.9		
14	A	15.37 51.1	1.3			-		3.0		
	H	15.37 52.4	1.8				3.2	4.4	6.4	3.4
	Z	15.37 51.5	1.1					6.9		
14	A	16.57 27.3	0.7				3.0	3.0		
	H	16.57 27.8	1.2				3.0	3.6	2.9	3.0
	Z	16.57 27.3	0.6					5.1		
14	A	19.00 29.4	1.1				13.4	21.0		
	H	19.00 29.9	1.0				1.5	2.0	4.0	3.5
	Z	19.00 30.0	1.0					5.6		
14	A	21.52 36.4	0.7			+		24.2		
	H	21.52 37.0	0.9				4.2	5.1	3.4	3.6
	Z	21.52 37.1	1.0				29.2	14.0		
14	A	23.28 14.1	0.8					16.8		
	H	23.28 14.1	0.7				37.8	26.2	3.3	3.1
	Z	23.28 14.8	1.1			-		7.7		
15	A	01.24 11.3	0.9			-	13.5	18.6		
	H	01.24 10.8	0.5			-	15.4	11.8	1.2	3.7
	Z	01.24 11.8	1.0			-	1.4	3.1		
15	A	02.31 02.0	1.0			-	1.6	5.3		
	H	02.31 01.5	0.5				5.3	5.0	1.8	3.2
	Z	02.31 02.4	1.0					0.8		
15	A	03.56 50.1	1.2				11.1	5.4		
	H	03.56 49.0	0.5				15.2	13.4	2.0	3.7
	Z	03.56 50.2	1.2				2.2	3.4		
15	A	10.01 18.6	0.5				9.4	7.9		
	H	10.01 19.6	0.9				0.8	0.6	2.1	2.6
	Z	10.01 19.1	0.7					1.1		
15	A	10.35 30.7	0.7				7.2	7.8		
	H	10.35 31.2	1.1				3.6	3.7	2.6	3.3
	Z	10.35 30.5	0.6			+				
15	A	11.22 53.4	1.3			+	2.6	4.8		
	H	11.22 52.8	1.0			+	5.2	3.3	5.6	3.4
	Z	11.22 53.9	1.7			+				
15	A	15.20 22.0	1.0			-	6.8	13.1		
	H	15.20 22.1	1.6			+	2.0	2.6	5.4	3.
	Z	15.20 22.7	1.0							
15	A	15.39 54.9	0.9				7.8	3.0		
	H	15.39 55.7	1.6			+	4.4	4.3	3.7	3.
	Z	15.39 54.8	0.7							
15	A	17.20 41.1	0.8				2.4	4.8		
	H	17.20 41.6	1.1				1.0	1.6	1.7	2.
	Z	17.20 40.7	0.4							
15	A	17.20 51.0	0.8			+	6.4	6.6		
	H	17.20 51.5	1.0				3.6	4.4	2.5	3.
	Z	17.20 50.8	0.6							
15	A	19.07 35.6	0.9				2.0	2.0		
	H	19.07 35.2	0.8			+	8.4	7.4	2.0	2.
	Z	19.07 34.3	0.8							
15	A	22.22	0.8				3.2	3.1		
	H	22.22 33.9	1.4			+	3.6	3.7	2.5	3.
	Z	22.22 33.1	0.4			-				
16	A	01.20 19.2	0.6				2.2	2.2		
	H	01.20 20.0	1.0				0.6	0.9	2.1	2.
	Z	01.20 19.3	0.5			-				
16	A	03.15 43.4	1.0				2.6	1.8		
	H	03.15 43.7	1.2			-	1.0	0.8	2.6	2.
	Z	03.15 42.9	0.6							
16	A	03.20 49.6	0.7				3.0	4.0		
	H	03.20 50.0	1.2			-	2.3	2.6	2.5	3.
	Z	03.20	0.7			+				
16	A	05.32 33.5	1.0				2.1	1.2		
	H	05.32 34.0	1.3				0.8	0.9	3.4	2.
	Z	05.32 32.9	0.6							
16	A	06.37 44.6	1.1				32.1	28.8		
	H	06.37 44.0	0.6			-	36.8	31.6	3.2	4.
	Z	06.37 44.9	1.2			-				
16	A	06.38 41.3	1.0				2.0	2.0		
	H	06.38 40.8	0.7				3.8	4.0	2.7	2.
	Z	06.38 41.4	1.0							
16	A	06.39 57.7	1.0				1.0	4.8		
	H	06.39 58.1	1.0			-	6.1	4.2	4.8	3.
	Z	06.39 58.1	1.1							
16	A	09.37 15.5	1.1				1.6	5.4		
	H	09.37 14.6	0.5				7.8	5.4	1.7	3.
	Z	09.37 15.4	1.1			-				
16	A	10.17 04.9	1.4				1.9	0.8		
	H	10.17 05.6	2.3				0.6	1.8	5.7	3.
	Z	10.17 04.6	1.4			+				
16	A	10.19 04.5	1.6				0.6	1.6		
	H	10.19 04.5	2.1				1.0	1.0	4.5	3.
	Z	10.19 03.6	1.0							
16	A	16.02 19.8	0.7				2.4	2.0		
	H	16.02 20.1	1.0				1.4	1.4	2.8	2.
	Z	16.02	0.7					5.3		
16	A	16.35 18.4	1.0				2.6	3.6		
	H	16.35 18.6	1.3				2.1	2.1	3.6	3.
	Z	16.35 17.8	0.7					5.6		
16	A	18.50 08.2	1.1				2.2	3.9		
	H	18.50 09.0	1.8				2.4	3.4	5.0	3.
	Z	18.50 07.6	0.9					10.6		
16	A	20.50 37.4	1.0				17.9	30.0		
	H	20.50 36.6	1.0			+	26.5		5.2	4.
	Z	20.50 37.4	1.3					6.4		
17	A	00.06 02.9	0.7				5.9	10.0		
	H	00.06 02.8	0.7			+	7.0	6.9	3.0	3.
	Z	00.06 03.4	1.0					1.0		
17	A	02.37 19.2	0.7				6.8	4.6		
	H	02.37 19.8	1.1			+	4.4	3.7	3.0	3.
	Z	02.37 19.1	0.6					5.6		
17	A	02.39 32.8	1.2			-	4.1	3.2		
	H	02.39 33.6	1.8				4.4	4.5	5.7	3.
	Z	02.39 32.6	1.0					11.0		
17	A	05.35 16.0	0.6				9.6	11.2		
	H	05.35 16.8	1.3				1.0	1.0	3.1	2.
	Z	05.35 16.2	0.8			+		7.6		
17	A	05.49 40.1	0.7				2.8	2.2		
	H	05.49 40.8	1.1				1.9	2.4	2.3	2.
	Z	05.49 40.1	0.5					5.2		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
17	A	09.27 46.4	1.8				6.8	8.5		
	H	09.27 45.4	1.0			+	13.6	19.0	4.7	4.1
	Z	09.27 46.5	1.9					3.8		
17	A	09.52 54.8	0.8				2.6	5.6		
	H	09.52 55.2	1.1				2.4	2.4	2.1	3.1
	Z	09.52 54.5	0.5							
17	A	09.54 24.9	1.2				8.3	12.6		
	H	09.54 24.6	1.5			+	10.4	11.2	7.3	4.1
	Z	09.54 25.5	1.4					2.4		
17	A	11.49 26.3	0.9				4.0	2.2		
	H	11.49 26.2	1.4				2.8	3.4	3.2	3.0
	Z	11.49 25.8	0.5			+				
17	A	21.38 05.2	0.4				4.6	2.7		
	H	21.38 06.0	0.9				0.5	0.5	1.8	2.2
	Z	21.38 05.7	0.7			-		0.8		
17	A	22.25 28.8	1.0				4.2	3.6		
	H	22.25 27.8	0.7			+	11.1	17.6	3.1	3.5
	Z	22.25 28.7	1.1			-		2.2		
17	A	23.08 36.2	1.1				2.2	2.1		
	H	23.08 36.5	1.1				6.0	6.5	2.7	3.1
	Z	23.08 36.0	0.8			-		2.8		
17	A	23.38 35.2	0.9				1.4	2.9		
	H	23.38 36.3	1.2				2.0	2.9	4.2	3.0
	Z	23.38 34.9	0.8			+	4.0	8.7		
18	A	00.46 03.4	0.5				2.9			
	H	00.46 04.3	1.1				2.4	3.4	3.0	2.8
	Z	00.46 03.5	0.9					6.8		
18	A	03.24 39.3	1.7				5.4	2.1		
	H	03.24 40.0	2.4			+	2.0	2.0	7.1	3.4
	Z	03.24 38.9	1.4					5.1		
18	A	03.56 25.6	0.7				9.4	14.6		
	H	03.56 26.3	1.0				0.8	1.7	3.7	3.1
	Z	03.56 25.9	0.9			-		3.6		
18	A	04.15 30.8	0.9				1.4	4.2		
	H	04.15 30.6	0.8			+	5.2	5.6	3.9	3.2
	Z	04.15 31.4	1.4					0.6		
18	A	05.29 52.0	1.0				2.1	3.2		
	H	05.29 51.6	0.6			-	7.6	6.4	0.9	3.1
	Z	05.29 52.1	1.0					2.8		
18	A	05.58 23.8	0.9				2.1	2.7		
	H	05.58 23.2	0.6			-	1.8	2.6	1.6	2.6
	Z	05.58 23.6	1.0					2.2		
18	A	08.53 40.8	0.8			+	3.2	3.7		
	H	08.53 41.4	1.1			+	2.6	3.6	3.3	3.0
	Z	08.53 40.5	0.7							
18	A	09.44 06.6	1.1				4.1	3.7		
	H	09.44 07.3	1.1				0.8	0.7	1.2	2.7
	Z	09.44 05.8	0.6					6.4		
18	A	09.47 33.5	1.0				1.1	1.4		
	H	09.47 33.6	1.3				0.6	0.6	4.5	2.4
	Z	09.47 32.4	0.8					12.9		
18	A	11.25 48.8	0.8				2.6	2.3		
	H	11.25 49.2	1.2				2.4	3.1	2.7	2.9
	Z	11.25 48.2	0.5							
18	A	11.46 09.6	0.9				1.2	1.6		
	H	11.46 09.4	0.9			+	8.0	11.0	2.2	3.1
	Z	11.46 09.3	0.8					5.0		
18	A	14.08 09.6	0.7			-	4.1	6.2		
	H	14.08 10.1	0.7			+	1.7	3.2	2.4	2.9
	Z	14.08 10.0	0.9			-	0.9	1.1		
18	A	14.56 42.9	1.0				7.2	10.7		
	H	14.56 42.2	0.5			-	15.2	9.9	2.8	3.6
	Z	14.56 42.9	1.2			-	6.0	4.1		
18	A	15.02 50.0	1.0			-	3.0	7.0		
	H	15.02 50.0	0.7			-	10.5	7.0	3.1	3.4
	Z	15.02 50.3	1.1			-	5.0	3.2		
18	A	15.09 51.0	0.9			+	4.3	6.3		
	H	15.09 50.0	0.7				13.6	13.1	2.9	3.5
	Z	15.09 50.5	1.1			-	2.8	2.8		
18	A	16.45 41.2	0.8				7.0	3.7		
	H	16.45 41.8	1.1			+	3.2	4.3	2.3	3.3
	Z	16.45 41.0	0.6			-	17.2	7.2		
18	A	17.35 59.1	1.1				3.0	2.8		
	H	17.35 57.1	0.6			-	7.0	4.3	1.3	3.1
	Z	17.35 58.5	1.0				1.6	1.2		
18	A	17.57 03.1	0.9					13.3		
	H	17.57 02.6	0.6			-	21.2	12.5	2.4	3.8
	Z	17.57 03.3	1.0			-	3.8	3.2		
18	A	17.59 17.4	1.3			-	5.2	6.5		
	H	17.59 16.1	0.8			-	11.7	8.7	2.4	3.6
	Z	17.59 17.1	1.2			-	2.0	2.2		
18	A	19.32 24.8	1.1			-	3.8	7.5		
	H	19.32 24.2	0.7			-	10.3	10.0	3.8	3.5
	Z	19.32 25.1	1.3			-	1.4	1.2		
19	A	01.36 46.5	0.7				2.2	4.6		
	H	01.36 46.6	1.0			-	2.8	2.4	1.5	2.9
	Z	01.36 46.0	0.5			+	15.3	18.4		
19	A	03.25 58.9	0.7				3.5	2.2		
	H	03.25 59.3	0.6				3.0	4.2	2.4	2.8
	Z	03.25 59.6	1.1				2.7	1.4		
19	A	05.08 24.4	0.8				2.2	3.1		
	H	05.08 24.8	1.1			-	2.4	3.0	1.9	2.9
	Z	05.08 23.9	0.5				19.8	21.3		
19	A	07.37 57.6	1.2				2.2	4.4		
	H	07.37 56.9	0.7			-	3.8	4.2	2.9	3.1
	Z	07.37 58.2	1.2			-	1.4	2.3		
19	A	09.06 23.8	1.4				2.5	2.8		
	H	09.06 24.5	2.0			+	1.2	1.4	7.3	3.2
	Z	09.06 23.5	1.3				2.3	3.0		
19	A	13.46 47.5	0.7				5.2	6.0		
	H	13.46 48.0	1.1				6.0	6.6	3.6	3.3
	Z	13.46 47.6	0.8					10.3		
19	A	14.06 28.3	0.9				7.4	8.0		
	H	14.06 28.8	1.1				3.6	4.3	2.8	3.3
	Z	14.06 28.1	0.6			-		18.4		
19	A	14.56 34.5	0.8				1.9	2.0		
	H	14.56 34.9	1.2			-	1.6	1.3	3.3	2.6
	Z	14.56 34.0	0.6					6.6		
19	A	16.41 57.7	0.8				1.7	1.5		
	H	16.41 58.2	1.1				1.0	1.6	2.7	2.5
	Z	16.41 57.5	0.6					6.4		
19	A	16.47 54.0	0.8				1.6	2.0		
	H	16.47 54.4	1.0			-	2.4	1.8	1.6	2.7
	Z	16.47 53.6	0.5			-		5.6		
19	A	17.06 36.8	0.9				1.8	1.6		
	H	17.06 37.1	1.0			-	1.9	1.6	1.4	2.6
	Z	17.06 36.2	0.5			-		5.9		
19	A	18.06 26.7	1.1			+	8.0	4.2		
	H	18.06 26.4	1.0			-	11.7	9.4	3.5	3.6
	Z	18.06 26.4	0.9			-		7.0		
19	A	21.55 30.9	1.9				6.7	3.9		
	H	21.55 29.7	1.1			-	16.6	22.0	5.1	4.1
	Z	21.55 30.9	2.0			-		2.8		
19	A	22.18 01.2	1.0				2.9	3.2		
	H	22.18 01.3	1.0				2.4	4.3	4.9	3.1
	Z	22.18 02.1	1.4			-		2.2		
20	A	03.26 24.7	0.9				1.3	4.8		
	H	03.26 24.1	0.5			-	6.6	4.9	1.9	3.0
	Z	03.26 24.9	1.0			-		1.9		
20	A	07.06 20.8	1.0				10.0	7.4		
	H	07.06 20.8	0.8			+	15.2	13.0	2.0	3.7
	Z	07.06 20.6	0.8			-		9.6		
20	A	07.06 25:5	0.7				1.7	3.6		
	H	07.06 25.6	0.7				6.2	5.8	2.8	3.0
	Z	07.06 25.2	1.0			-		2.2		
20	A	07.06 52.1	0.8				2.4	1.9		
	H	07.06 52.3	0.8			+	3.7	4.2	1.8	2.9
	Z	07.06 52.0	0.7			-		7.0		
20	A	09.04 19.2	1.1				1.6	1.8		
	H	09.04 18.9	1.0				2.8	6.1	5.3	3.0
	Z	09.04 20.0	1.5					0.8		
20	A	10.04 01.2	1.1			+				
	H	10.04 00.8	1.0						4.2	3.5
	Z	10.04 01.0	1.0			-				
20	A	10.15 09.1	1.4							
	H	10.15 08.2	0.9			+			4.7	3.3
	Z	10.15 09.0	1.4							
20	A	12.35 07.3	1.1				6.3	3.5		
	H	12.35 07.4	1.4			-	3.9	4.4	3.3	3.5
	Z	12.35 06.7	0.7			+	29.0	12.7		

Sep. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
20	A	12.45 13.9	0.8			-	2.2	1.8		
	H	12.45 14.3	1.4				1.0	1.4	5.5	2.7
	Z	12.45 14.5	1.3			-	1.1	1.4		
20	A	13.31 42.2	0.7				0.8	2.4		
	H	13.31 42.4	0.6			-	1.8	1.9	2.1	2.4
	Z	13.31 42.7	1.1				0.8	0.3		
20	A	13.34 42.2	1.2			-	2.2	2.6		
	H	13.34 42.7	1.4			-	2.6	2.0	3.7	3.1
	Z	13.34 41.6	0.7			+	7.2	5.6		
20	A	13.45 57.7	0.6				1.7	2.6		
	H	13.45 58.4	1.0			-	1.9	2.2	1.9	2.7
	Z	13.45 57.5	0.5			-	7.8	12.0		
20	A	16.45 17.5	1.0				1.8	4.6		
	H	16.45 16.8	1.1			+	4.6	6.8	5.1	3.3
	Z	16.45 17.8	1.1			-	2.4	1.1		
20	A	20.45 34.5	1.0				2.6	1.9		
	H	20.45 33.9	0.7			-	5.2	4.1	3.4	3.0
	Z	20.45 35.0	1.0				2.2	1.9		
20	A	23.10 41.3	1.0				2.8	4.9		
	H	23.10 53.5	0.9			+	4.3	7.4	3.2	3.3
	Z	23.10 52.8	0.9				1.1	1.0		
21	A	00.36 38.9	0.8			+				
	H	00.36 38.1	0.6			+	9.0	7.7	2.8	3.3
	Z	00.36 39.0	1.1			-	3.9	3.8		
21	A	03.59 14.8	1.3							
	H	03.59 14.3	0.8			+	13.3	9.4	4.5	3.7
	Z	03.59 15.1	1.3			+	8.7	5.2		
21	A	05.04 33.8	1.3							
	H	05.04 49.4	1.5			-	4.1	2.8	4.0	3.4
	Z	05.04 48.3	0.8			-	10.8	9.4		
21	A	05.29 23.9	1.2							
	H	05.29 24.6	1.5			-	1.6	1.7	4.6	2.9
	Z	05.29 23.5	0.8				5.6	6.7		
21	A	08.09 03.0	0.5							
	H	08.09 05.2	1.1			+	2.8	3.6	2.0	3.2
	Z	08.09 03.0	0.6			-	43.2	12.4		
21	A	08.26 14.3	0.7							
	H	08.26 14.7	1.0			-	1.5	1.6	1.4	2.6
	Z	08.26 14.1	0.5			+	8.0			
21	A	10.43 37.5	0.6							
	H	10.43 38.5	1.1				1.3	1.4	1.7	2.6
	Z	10.43 37.5	0.4				10.1	9.6		
21	A	12.53 04.0	0.5				13.4	12.6		
	H	12.53 04.8	1.0				1.7	1.6	2.9	3.0
	Z	12.53 04.9	0.9				3.9	4.5		
21	A	14.40 36.2	0.7				1.0	2.0		
	H	14.40 36.5	0.9			+	2.0	2.4	3.5	2.6
	Z	14.40 37.2	1.2				0.6	0.4		
21	A	15.49 43.2	1.4				1.6	2.0		
	H	15.49 44.3	2.0			-	1.2	1.5	7.1	3.1
	Z	15.49 43.1	1.2			-	4.5	4.4		
21	A	16.33 48.0	0.6				4.7	8.4		
	H	16.33 48.9	1.3			-	1.7	1.3	2.4	3.0
	Z	16.33 49.0	0.5			+		9.4		
21	A	17.07 53.2	1.0				1.4	3.5		
	H	17.07 52.9	0.8			+	5.6	10.0	4.4	3.3
	Z	17.07 53.9	1.2				1.4	0.8		
21	A	18.22 35.0	0.9				1.0	1.7		
	H	18.22 35.7	1.2				0.6	0.4	2.5	2.4
	Z	18.22 34.6	0.5				7.0	6.3		
21	A	18.43 25.5	1.2				1.9	2.4		
	H	18.43 25.7	1.4			-	2.0	1.8	5.1	3.0
	Z	18.43 24.9	0.9					7.6		
21	A	19.29 25.5	1.0				1.8	2.4		
	H	19.29 25.6	0.9			-	3.6	3.9	1.8	2.9
	Z	19.29 24.9	0.8				4.0	2.4		
21	A	20.48 33.6	0.7				3.0	3.4		
	H	20.48 34.0	1.2				2.0	1.8	2.9	2.8
	Z	20.48 33.0	0.6			-	59.4	18.2		
21	A	20.49 55.3	0.7				2.1	3.4		
	H	20.49 55.7	1.0				1.0	1.2	2.6	2.6
	Z	20.49 54.8	0.6				9.4	16.1		
21	A	22.03 05.9	1.0				22.3	25.4		
	H	22.03 06.7	1.6			+	10.4	11.2	5.9	4.2
	Z	22.03 07.2	1.2			+	44.9	11.4		
21	A	22.36 44.3	1.1							
	H	22.36 43.6	0.6			+				
	Z	22.36 44.8	1.2							
21	A	23.42 33.5	0.7							
	H	23.42 33.4	0.7							
	Z	23.42 34.0	0.8							
22	A	00.46 43.9	0.5							
	H	00.46 44.5	0.8							
	Z	00.46 45.0	0.8							
22	A	08.44 06.2	1.0							
	H	08.44 07.1	0.6							
	Z	08.44 06.7	1.0							
22	A	09.47 43.4	0.7							
	H	09.47	0.9							
	Z	09.47 43.3	0.7							
22	A	12.25 20.4	1.0							
	H	12.25 20.3	1.0			+				
	Z	12.25 21.1	1.5			-				
22	A	19.03 19.6	0.7							
	H	19.03 20.3	1.0			+				
	Z	19.03 19.3	0.6			+				
22	A	19.36 14.2	0.8			-				
	H	19.36 15.0	1.4			-				
	Z	19.36 13.9	0.6			+				
22	A	20.01 01.4	1.6							
	H	20.01 00.3	0.9			+				
	Z	20.01 01.7	1.5			+				
22	A	21.31 14.8	0.6							
	H	21.31 15.6	1.1							
	Z	21.31 14.4	0.4			+				
22	A	22.19 17.8	0.8							
	H	22.19 18.3	1.1			+				
	Z		0.5							
23	A	03.24 04.8	0.9							
	H	03.24 04.2	0.6			+				
	Z	03.24 05.0	1.1			-				
23	A	05.01 33.9	1.1							
	H	05.01 34.2	1.4			-				
	Z	05.01 33.2	0.8							
23	A	05.32 17.4	1.0							
	H	05.32 18.0	1.5			-				
	Z	05.32 16.9	0.5							
23	A	09.03 17.0	1.4							
	H	09.03 18.0	2.0			-				
	Z	09.03	1.1			-				
23	A	09.53	0.7							
	H	09.53 36.8	1.2			-				
	Z	09.53 35.8	0.4							
23	A	13.51 46.0	1.0							
	H	13.51 45.9	1.0			+				
	Z	13.51 46.8	1.7			-				
23	A	14.04 51.3	1.0			-				
	H	14.04 51.4	1.0							
	Z	14.04 51.9	1.6			-				
23	A	15.44 44.3	1.0							
	H	15.44 43.5	0.8							
	Z	15.44 44.4	1.1							
23	A	16.27 48.8	0.7							
	H	16.27 47.5	1.0			+				
	Z	16.27 48.3	1.3			+				
23	A	16.51 15.4	0.6							
	H	16.51 16.4	1.0							
	Z	16.51 15.7	0.6			-				
24	A	01.06 53.4	0.8							
	H	01.06 52.6	0.8			-				
	Z	01.06 53.5	0.8							
24	A	01.08 14.0	0.8							
	H	01.08 13.1	0.8							
	Z	01.08 14.1	0.8			-				
24	A	01.52 21.3	1.0							
	H	01.52 22.3	1.5							
	Z	01.52 20.9	0.7			+				
24	A	08.05 30.0	0.7							
	H	08.05 30.8	1.2							
	Z	08.05 29.6	0.5							

International Seismological Centre

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	09.56 38.8	1.3				1.2	1.6		
24	H	09.56 38.5	1.4			-	3.6	5.8	5.7	3.2
	Z	09.56 38.3	1.1				10.2	8.4		
	A	11.14 07.2	1.5				0.4	0.6		
24	H	11.14 06.9	1.3				1.9	1.9	3.9	2.7
	Z	11.14 06.9	1.1			+	4.7	1.9		
	A	12.19 06.0	0.7				3.8	2.5		
24	H	12.19 06.9	1.2				0.8	0.7	2.6	2.6
	Z	12.19 05.8	0.5			+	4.3	6.4		
	A	14.16 26.7	1.0				0.5	1.0		
24	H	14.16 28.6	1.1			+	0.9	1.2	5.2	2.5
	Z	14.16 29.6	1.5			-	0.7	0.8		
	A	14.19	0.9			-	6.4	2.9		
24	H	14.19 28.8	1.4			-	3.0	4.1	3.3	3.4
	Z	14.19 27.6	0.6			+	46.7	17.9		
	A	15.06 46.0	1.0				1.3	1.6		
24	H	15.06 46.1	1.1			-	3.0	2.7	3.1	2.8
	Z	15.06 45.5	0.8			+	4.0	4.7		
	A	16.08 35.9	0.5			+	4.0	4.1		
24	H	16.08 36.9	1.1			+	5.1	6.7	2.6	3.1
	Z	16.08 36.3	0.7			-	4.5	3.2		
	A	16.53 20.4	0.8				39.6	35.0		
24	H	16.53 20.9	1.2			+	13.0	20.9	4.7	4.4
	Z	16.53 21.1	1.0			-	27.2	9.8		
	A	17.12 07.4	0.6				1.1	1.4		
24	H	17.12 08.0	1.1			+	1.2	1.4	2.2	2.3
	Z	17.12 07.3	0.6			-	3.1	13.6		
	A	19.29 16.5	1.2			+	2.4	3.0		
24	H	19.29 16.1	0.9			-	10.1	6.1	2.0	3.4
	Z	19.29 16.6	1.0			+	4.4	3.2		
	A	19.29 22.9	1.3			+	25.8	21.2		
24	H	19.29 22.4	1.0			-	29.4	16.6	4.1	4.4
	Z	19.29 23.0	1.1			+	20.8	15.6		
	A	20.27	1.0			+	2.5	4.0		
24	H	20.27 24.8	1.1			-	3.6	3.0	1.5	3.2
	Z	20.27 23.7	0.5			+	32.4	15.0		
	A	22.21 51.8	1.1				0.7	1.3		
24	H	22.21 51.9	0.9			+	1.6	2.4	4.6	2.6
	Z	22.21 52.6	1.5			-	1.1	1.0		
	A	22.34 15.3	1.0			-	0.9	0.8		
24	H	22.34 15.6	1.3			-	0.4	0.4	3.3	2.2
	Z	22.34 14.8	0.6				2.6	3.0		
	A	04.07 47.9	0.7				1.3	1.4		
25	H	04.07 48.3	1.1			-	1.1	1.7	1.4	2.5
	Z	04.07 47.7	0.4			-	15.7	7.0		
	A	05.07 09.4	0.7				1.1	1.4		
25	H	05.07 09.9	1.1				0.6	0.6	1.9	2.2
	Z	05.07 08.7	0.5				13.1	21.7		
	A	05.56 42.0	0.7				40.3	11.2		
25	H	05.56 42.5	1.0			+	5.3	9.3	3.9	4.0
	Z	05.56 42.6	1.1			-	11.6	3.9		
	A	07.01 02.4	1.0			-	1.5	3.1		
25	H	07.01 02.4	0.9				3.4	8.2	4.4	3.3
	Z	07.01 03.3	1.5			-	7.6	1.7		
	A	08.15 08.7	0.9				4.7	3.2		
25	H	08.15 09.5	1.0				5.6	5.0	1.4	3.2
	Z	08.15 08.3	0.5			-	10.6	15.9		
	A	09.22 56.4	0.5				2.2	2.4		
25	H	09.22 57.3	0.9				1.1	1.5	2.0	2.4
	Z	09.22 57.5	0.7					1.2		
	A	10.46 35.6	0.9			+	8.2	8.7		
25	H	10.46 36.7	1.6			+	6.5	6.9	4.6	3.7
	Z	10.46 36.2	1.0			+		18.2		
	A	11.48 10.2	0.5				3.9	4.5		
25	H	11.48 10.9	1.0			-	2.0	3.7	2.1	2.9
	Z	11.48 10.5	0.7			-	4.0	2.5		
	A	14.01 04.5	0.8				1.2	2.1		
25	H	14.01 05.1	1.2			-	1.4	1.4	3.2	2.6
	Z	14.01 04.2	0.6			+	8.6	6.2		
	A	15.59 00.2	0.5				1.8	1.8		
25	H	15.59 00.9	1.0				1.8	3.0	2.1	2.5
	Z	15.59 00.7	0.7				2.4	1.8		
	A	18.29 55.0	0.5				3.2	4.0		
25	H	18.29 55.7	0.8				0.5	0.3	1.2	2.1
	Z	18.29 55.6	0.7				0.6	0.6		

Sep. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	23.16 08.4	1.1				1.6	1.3		
25	H	23.16 08.3	1.5				3.6	4.2	5.4	3.0
	Z	23.16 08.1	0.9				17.4	9.4		
	A	02.33 16.6	0.8				1.3	1.7		
26	H	02.33 17.7	0.7				0.6	0.6	3.3	2.1
	Z	02.33 17.5	1.2				1.4	0.5		
	A	02.35 38.0	0.8				8.6	13.6		
26	H	02.35 39.1	1.3				3.4	4.4	3.1	3.5
	Z	02.35 38.1	0.6				75.6	18.0		
	A	02.36 22.3	0.7				1.2	1.0		
26	H	02.36 23.1	1.1				0.4	0.2	2.3	2.0
	Z	02.36 22.3	0.5				19.6	8.6		
	A	05.38 32.3	1.0				4.7	3.2		
26	H	05.38 32.7	1.3			-	6.0	4.6	5.3	3.4
	Z	05.38 32.0	1.0			+	27.8			
	A	06.09 14.6	0.5				5.3	6.4		
26	H	06.09 15.4	0.9			-	1.8	1.4	2.4	2.8
	Z	06.09 15.0	1.0				2.3	1.2		
	A	10.51 02.1	0.5				1.4	1.3		
26	H	10.51 03.1	1.0				0.5	0.5	2.5	1.9
	Z	10.51 02.5	0.8			-	3.8	1.6		
	A	14.17 52.0	0.5			+	10.9	11.8		
26	H	14.17 52.8	1.0				1.4	1.0	2.3	2.9
	Z	14.17 52.7	0.7				1.2	1.3		
	A	15.26 59.7	1.0			+	3.5	2.8		
26	H	15.26 59.4	0.7			-	11.7	9.4	2.2	3.3
	Z	15.26 59.8	1.0			-	6.7	3.2		
	A	20.45 04.5	0.8			-	6.0	8.4		
26	H	20.45 05.4	1.1				1.3	1.8	4.4	3.1
	Z	20.45 05.2	1.1				7.5	2.9		
	A	23.05 16.5	0.8				11.2	7.6		
26	H	23.05 17.6	1.4			+	3.0	3.1	4.3	3.4
	Z	23.05 16.1	0.8			+	40.6	8.2		
	A	00.29 10.7	1.6				0.9	3.3		
27	H	00.29 10.1	1.0			+	2.1	2.3	5.1	3.1
	Z	00.29 12.0	0.6				2.0	1.1		
	A	03.10 09.5	0.5				4.2	2.4		
27	H	03.10 11.1	0.9			+	0.5	0.7	2.1	2.4
	Z	03.10 09.8	0.7			-	2.2	1.2		
	A	03.10 51.9	0.6			+	13.4	15.0		
27	H	03.10 53.2	1.0			+	0.9	1.0	3.0	3.0
	Z	03.10 52.6	0.8				1.8	1.8		
	A	04.39 40.1	1.2			-	2.1	1.5		
27	H	04.39 41.4	2.0				2.9	4.0	4.5	3.3
	Z	04.39 39.8	1.0				9.0	6.6		
	A	04.42 56.8	0.7			-	6.4	5.8		
27	H	04.42 55.7	1.5			-	3.7	4.3	2.8	3.3
	Z	04.42 54.1	0.7			+	20.6			
	A	04.43 02.5	0.8			-	7.2	8.4		
27	H	04.43 03.5	1.2			-	1.6	2.4	3.1	3.2
	Z	04.43 02.0	0.6			+	37.4			
	A	05.23 47.5	1.3			-	2.8	1.8		
27	H	05.23 48.9	1.9			-	2.8	3.3	5.0	3.3
	Z	05.23 47.3	0.9			-	16.3			
	A	07.51 14.4	1.0				4.4	2.8		
27	H	07.51 14.5	0.9			+	5.8	8.1	4.8	3.4
	Z	07.51 15.0	1.2				3.0			
	A	09.14 12.5	1.1				6.0	9.6		
27	H	09.14 13.5	1.6			-	3.4	5.0	5.0	3.7
	Z	09.14 11.9	0.8			+	14.8			
	A	10.15 54.9	1.0				1.8	1.0		
27	H	10.15 55.1	1.0				2.4	4.0	3.5	2.9
	Z	10.15 55.3	0.9			-	11.1			
	A	12.32 11.1	0.9				2.2	2.3		
27	H	12.32 12.1	1.5				0.4	0.3	3.8	2.4
	Z	12.32 10.5	0.7			+	2.6	3.4		
	A	12.44 35.3	1.0			-	2.4	2.3		
27	H	12.44 36.5	1.7				3.2	4.0	4.4	3.2
	Z	12.44 34.9	0.8					20.8		
	A	14.59 30.4	1.4			-	1.0	1.8		
27	H	14.59 29.6	0.9			-	6.4	5.4	5.2	3.1
	Z	14.59 30.8	1.6				0.6	0.6		
	A	19.22 34.2	1.3				17.7	10.2		
27	H	19.22 34.8	1.5			-	8.5	9.0	3.9	4.1
	Z	19.22 33.5	0.8							

Sep. 1966 - Oct. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	20.13 44.3	0.8				2.3	2.6		
27	H	20.13 45.4	1.2				1.7	1.8	2.9	2.8
	Z	20.13 43.9	0.6			+	25.4			
	A	22.03 51.2	0.5				5.1	4.7		
27	H	22.03 52.0	1.0				1.2	1.2	2.8	2.6
	Z	22.03 51.5	1.0			-	3.3			
	A	23.02 06.8	0.6			-	24.8	30.4		
27	H	23.02 07.5	0.8				1.6	2.6	2.3	3.4
	Z	23.02 07.2	1.2			-	3.2			
	A	00.06 48.8	1.2				1.1	2.2		
28	H	00.06 48.4	0.8			+	2.2	2.8	3.9	2.8
	Z	00.06 49.1	1.3				1.7			
	A	00.26 36.0	1.1				1.2	0.7		
28	H	00.26 36.0	1.0			-	3.4	3.4	3.1	2.8
	Z	00.26 35.6	0.9			-	3.8			
	A	00.51 55.1	0.9			-	5.3	8.6		
28	H	00.51 55.8	1.2			+	6.4	6.6	5.2	3.5
	Z	00.51 55.9	1.4			-	3.2			
	A	02.02 50.7	1.0				1.6	1.1		
28	H	02.02 50.7	0.9			-	2.0	1.5	2.0	2.6
	Z	02.02 50.5	0.8				2.8			
	A	02.04 22.8	1.2				1.9	3.1		
28	H	02.04 22.3	0.8			+	2.4	2.0	3.7	2.9
	Z	02.04 22.9	1.2				4.1			
	A	03.07 08.2	1.0			-	5.0	6.6		
28	H	03.07 09.3	1.7			-	3.3	4.5	4.9	3.5
	Z	03.07 07.7	0.9			+				
	A	07.33 10.0	1.2				1.2	4.0		
28	H	07.33 09.4	0.6			+	5.4	4.4	2.1	3.1
	Z	07.33 10.1	1.2				2.0	1.6		
	A	11.47 54.8	0.8				1.2	2.8		
28	H	11.47 55.4	1.3			-	1.7	1.5	2.4	2.8
	Z	11.47 54.2	0.4							
	A	15.56 40.5	1.9				4.6	13.3		
28	H	15.56 39.6	1.2				8.0	8.4	2.8	4.1
	Z	15.56 40.5	1.7				5.0	3.0		
	A	15.57 23.6	1.7				0.8	2.6		
28	H	15.57 22.6	1.3			+	1.6	2.5	5.8	3.2
	Z	15.57 23.4	1.5				1.2			
	A	16.25 28.5	0.8				1.4	1.6		
28	H	16.25 29.2	1.2				0.6	0.6	3.0	2.3
	Z	16.25 27.9	0.5				16.3	5.7		
	A	16.50 50.3	0.5			+	12.1	34.2		
28	H	16.50 51.0	0.9				0.7	0.7	2.7	3.1
	Z	16.50 50.9	0.8			-	1.3	0.4		
	A	19.50 42.5	1.1			+	3.4	2.3		
28	H	19.50 42.2	1.0			-	6.0	5.6	3.7	3.3
	Z	19.50 42.3	1.0			-	8.6	5.4		
	A	20.19 05.7	0.6				16.9	14.8		
28	H	20.19 06.6	1.0				1.8	1.6	3.4	3.2
	Z	20.19 06.0	0.9			-	6.1	4.1		
	A	21.24 01.3	0.8				2.4	2.3		
28	H	21.24 01.0	0.6			-	3.2	3.4	2.0	2.7
	Z	21.24 01.4	0.9				2.0	0.9		
	A	22.45 00.3	1.2				3.5	16.0		
28	H	22.44 59.5	1.0			+	7.9	6.2	4.8	3.8
	Z	22.45 00.3	1.2				5.7	2.9		
	A	23.53 01.0	1.5				2.2	1.7		
28	H	23.53 01.6	1.9				2.4	2.4	7.2	3.2
	Z	23.53 00.6	1.2				4.8	5.6		
	A	07.34 17.4	0.7				5.0	7.4		
29	H	07.34 18.4	1.1				1.1	1.8	2.2	3.0
	Z	07.34 17.1	0.5				77.1			
	A	08.48 24.2	0.8				4.6	6.4		
29	H	08.48 24.6	1.0			+	0.8	1.0	3.1	2.8
	Z	08.48 24.5	0.7			-	2.8	2.4		
	A	12.03 23.8	1.0				2.2	4.4		
29	H	12.03 23.7	1.1			-	1.8	1.9	5.0	3.0
	Z	12.03 23.3	1.0				4.6	6.6		
	A	15.34 48.4	1.0			+	1.8	1.9		
29	H	15.34 48.6	1.0				4.7	4.3	3.7	3.0
	Z	15.34 48.4	0.9			-	4.5	2.4		
	A	15.38 45.5	1.0				0.8	0.6		
29	H	15.38 45.4	0.9				1.2	1.0	2.9	2.0
	Z	15.38 45.6	0.8				4.5	2.1		
	A	16.05 12.5	0.6				3.1	4.4		
29	H	16.05 13.0	1.1				0.4	0.6	2.4	2.
	Z	16.05 11.9	0.6			-	18.8	7.0		
	A	16.57 52.5	1.1				1.0	1.1		
29	H	16.57 52.0	0.6				1.9	2.6	1.8	2.
	Z	16.57 52.8	1.0				1.0			
	A	18.39 04.5	0.8			+	5.6	5.9		
29	H	18.39 05.1	1.2			-	2.3	1.9	3.1	3.
	Z	18.39 04.2	0.6					26.0		
	A	19.13 05.9	0.7				2.2	1.5		
29	H	19.13 03.6	0.5			+	2.8	4.2	1.0	2.
	Z	19.13 04.1	0.9				0.6	0.1		
	A	19.41 35.9	1.0				1.1	1.6		
29	H	19.41 36.7	1.6				1.1	1.6	4.7	2.
	Z	19.41 35.7	0.8				5.9	5.6		
	A	21.22 42.6	1.4				3.6	1.8		
29	H	21.22 41.7	0.8			+	2.6	3.5	4.0	3.
	Z	21.22 42.7	1.3				1.3			
	A	22.10 25.3	0.5				1.2	1.0		
29	H	22.10 25.9	1.0				0.5	0.7	2.3	2.
	Z	22.10 24.9	0.6				9.0	3.3		
	A	22.12 12.6	0.8				1.4	1.7		
29	H	22.12 13.2	1.0				0.9	1.2	1.5	2.
	Z	22.12 11.9	0.5							
	A	00.01 15.2	1.1			+	2.4	3.7		
30	H	00.01 14.4	0.9				2.6	2.6	3.3	3.
	Z	00.01 14.7	1.0				2.6	1.0		
	A	02.45 32.2	1.2				1.4	4.0		
30	H	02.45 31.4	0.8			+	5.9	6.6	4.5	3.
	Z	02.45 32.2	1.3				2.7	3.1		
	A	03.11 45.9	1.3				2.8	1.8		
30	H	03.11 45.4	0.9			+	2.8	5.0	4.2	3.
	Z	03.11 45.8	1.3				1.6	0.8		
	A	04.28 51.1	1.0				13.2	16.4		
30	H	04.28 50.5	0.7				20.0	27.4	3.7	4.
	Z	04.28 51.3	1.4				19.0	7.9		
	A	06.27 08.7	1.0				1.4	4.2		
30	H	06.27 08.0	0.5				2.7	4.0	2.6	2.
	Z	06.27 08.7	1.2				2.6	1.9		
	A	07.27 32.7	0.5			+	12,1	13.1		
30	H	07.27 33.4	0.9				9.6	11.6	2.2	3.
	Z	07.27 32.7	0.7				6.8	5.4		
	A	08.14 26.2	0.9				10.0	13.4		
30	H	08.14 26.5	1.2			+	3.3	3.2	5.3	3.
	Z	08.14 26.4	1.4				2.9	2.8		
	A	10.07 15.7	0.6				2.4	3.0		
30	H	10.07 16.4	1.0				0.9	2.8	2.1	2.
	Z	10.07 15.5	0.5				3.6	5.6		
	A	16.42 15.4	0.8			+	1.8	1.3		
30	H	16.42 15.6	1.0				1.2	1.3	2.0	2.
	Z	16.42 14.7	0.5							
	A	16.42 20.7	0.9				12.3	3.9		
30	H	16.42 21.0	1.2				7.0	7.3	2.5	3.
	Z	16.42 20.1	0.5							
	A	17.06 57.5	0.8				1.1	0.7		
30	H	17.06 57.6	1.2				0.2	0.3	2.7	2.
	Z	17.06 57.0	0.5			+	6.2	4.7		
	A	21.35 54.2	0.7				1.4	0.8		
30	H	21.35 54.5	1.0				4.0	5.2	3.7	3.
	Z	21.35 54.8	1.1				1.4	0.3		

1966 October

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	00.04 29.4	1.2				1.0	0.2		
01	H	00.04 27.9	0.9			-	1.5	3.2	3.8	2.
	Z	00.04 29.3	1.2				0.8	0.5		
	A	01.42 28.2	0.8				1.2	0.5		
01	H	01.42 29.1	1.5				0.6	0.4	2.8	2.
	Z	01.42 28.1	0.6				3.4	4.6		
	A	01.57 12.2	1.0				7.0	4.2		
01	H	01.57 13.3	1.6				5.1	5.8	4.3	3.
	Z	01.57 11.9	0.7			+	49.3			

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Oct. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
01	A	14.51 23.4	1.0				1.9	2.4		
	H	14.51 23.0	0.8			-	8.3	13.0	1.4	3.3
	Z	14.51 23.2	0.7			-	2.3	2.1		
01	A	15.03 59.1	0.7				2.6	3.4		
	H	15.03 59.0	0.8				1.9	1.7	3.2	2.7
	Z	15.03 59.6	1.0			-	0.8	0.7		
01	A	22.29 18.5	1.5				0.7	1.2		
	H	22.29 18.4	2.0				0.4	0.4	7.6	2.6
	Z	22.29 17.8	1.3				3.4	4.4		
02	A	01.16 51.6	0.7				4.0	4.8		
	H	01.16 51.9	0.8			+	1.6	2.0	3.5	2.8
	Z	01.16 52.5	1.1			-	1.6	0.8		
02	A	04.25 15.2	1.0				0.8	0.6		
	H	04.25 15.2	1.2				0.8	0.7	2.5	2.3
	Z	04.25 14.9	0.6				3.3	6.0		
02	A	04.25 36.9	1.0				1.5	0.7		
	H	04.25 36.5	1.0				1.8	1.0	4.3	2.6
	Z	04.25 36.4	1.0				6.0	3.7		
02	A	04.33 34.6	0.9				1.3	1.0		
	H	04.33 35.5	1.7				0.4	0.6	2.5	2.5
	Z	04.33 34.0	0.7				3.4	2.5		
02	A	06.45 12.8	0.9				1.2	2.2		
	H	06.45 13.1	1.2				0.6	0.3	2.4	2.4
	Z	06.45 12.1	0.5							
02	A	07.11 16.0	0.9				1.6	3.1		
	H	07.11 16.3	1.2			-	0.8	0.6	2.5	2.6
	Z	07.11 15.4	0.5			+	21.9			
02	A	08.20 20.7	1.4				2.2	4.0		
	H	08.20 19.8	0.8				7.1	7.1	1.8	3.3
	Z	08.20 20.4	1.2				5.8	3.4		
02	A	10.40 02.6	0.7				0.6	1.3		
	H	10.40 02.8	1.0			+	0.9	0.9	3.8	2.3
	Z	10.40 03.4	1.1				0.4	0.3		
02	A	12.21 27.4	0.9				3.2	2.6		
	H	12.21 28.1	0.4				0.5	0.7	3.3	2.7
	Z	12.21 26.8	0.6			+	6.0	6.5		
02	A	13.23 21.9	1.0				1.5	1.8		
	H	13.23 21.4	1.0			-	5.2	4.1	2.9	3.0
	Z	13.23 21.7	0.8			-	9.5	7.5		
02	A	14.27 48.0	1.0				1.4	1.5		
	H	14.27 47.7	0.8			-	2.6	3.2	0.9	2.7
	Z	14.27 48.0	0.8			-	4.3	2.3		
02	A	16.07 16.5	1.0				1.4	1.0		
	H	16.07 16.3	0.9				2.4	2.2	3.9	2.7
	Z	16.07	1.0				4.5	2.6		
02	A	16.10 24.6	1.5				4.4	3.0		
	H	16.10 25.5	1.9			+	1.4	2.3	7.2	3.4
	Z	16.10 24.5	1.2			+	22.4			
02	A	18.26 24.6	0.8				1.0	1.9		
	H	18.26 24.5	0.7			-	2.2	3.2	2.2	2.9
	Z	18.26 25.0	0.9				1.5			
02	A	19.23	1.4				3.7	2.5		
	H	19.23	2.0			+	0.7	1.2	7.1	2.3
	Z	19.23	1.2				8.9	5.0		
02	A	23.25 42.1	0.9				0.8	1.1		
	H	23.25 41.8	0.8				4.2	5.8	1.6	2.8
	Z	23.25 41.9	0.8			-	3.8	2.7		
03	A	04.35 26.6	1.0				1.5	1.5		
	H	04.35 26.0	0.6			-	3.0	4.4	1.7	2.7
	Z	04.35 26.8	1.0				2.4	1.1		
03	A	06.44 00.0	1.8			-	3.8	3.6		
	H	06.43 59.1	1.4			-	11.9	11.2	8.2	3.8
	Z	06.44 00.3	2.0				1.4	0.8		
03	A	07.25 25.8	0.8				33.4	38.4		
	H	07.25 25.9	1.0			+	9.2	13.0	4.0	4.1
	Z	07.25 26.6	1.3				11.2	7.4		
03	A	13.46 34.8	0.7				15.5	10.0		
	H	13.46 35.3	1.1				4.0	4.9	3.1	3.5
	Z	13.46 34.4	0.7			-	19.1			
03	A	14.57 53.4	1.4			-	2.8	2.4		
	H	14.57 54.3	2.1				2.7	1.6	6.2	3.4
	Z	14.57 53.4	1.2			+	11.4	8.8		
03	A	15.52 22.9	0.9				2.2	8.6		
	H	15.52 22.3	0.8			+	4.6	6.1	3.6	3.4
	Z	15.52 23.3	1.1			-	2.4	1.9		
03	A	16.45 36.2	0.7				0.8	1.2		
	H	16.45 36.0	1.0				0.7	0.9	1.0	2.2
	Z	16.45 35.3	0.4			-				
03	A	20.05 24.5	1.1				1.5	1.4		
	H	20.05 23.9	0.9			-	2.6	3.2	3.7	2.8
	Z	20.05 24.3	1.0				2.3	0.8		
03	A	20.23 45.1	1.1				0.7	0.8		
	H	20.23 44.1	0.8				3.2	2.1	1.5	2.6
	Z	20.23	0.9				2.0	1.4		
03	A	22.30 13.2	0.6				4.2	3.8		
	H	22.30 13.8	1.0				0.6	0.9	3.2	2.6
	Z	22.30 13.4	0.8			-	5.3	1.9		
03	A	23.08 22.8	1.3				1.7	1.2		
	H	23.08 22.3	0.8				3.2	3.1	2.3	2.9
	Z	23.08 23.0	1.1				1.6	1.2		
04	A	00.04 41.7	1.1				1.2	1.6		
	H	00.04 41.4	1.1				3.8	4.4	4.0	3.0
	Z	00.04 41.4	0.9				12.4	5.3		
04	A	01.38 36.6	1.0			-	0.6	1.8		
	H	01.38 36.6	1.4			+	1.4	1.6	5.7	2.8
	Z	01.38 37.2	1.5				0.7	0.2		
04	A	02.43 50.6	1.1				3.2	3.4		
	H	02.43 50.3	1.1			-	6.0	7.0	4.1	3.3
	Z	02.43 50.6	0.9			+				
04	A	09.28 35.1	1.2				0.8	1.0		
	H	09.28 36.0	1.9			-	1.0	1.0	5.2	2.6
	Z	09.28 34.7	1.0			+	2.0	2.4		
04	A	13.18 09.7	0.7				3.3	1.9		
	H	13.18 08.0	1.0			+	2.6	4.2	2.3	3.0
	Z	13.18 09.1	1.4				1.6	2.1		
04	A	13.53 35.0	0.8				1.8	1.4		
	H	13.53 34.5	0.7				2.2	3.8	1.9	2.6
	Z	13.53 34.9	0.8			-	6.1	4.0		
04	A	16.04 48.9	1.3			-	0.6	0.8		
	H	16.04 50.2	2.0				0.6	0.4	5.9	2.5
	Z	16.04 49.0	1.1			-	1.6	2.6		
04	A	16.21 49.6	1.1			+	0.9	1.0		
	H	16.21 49.7	1.3			-	1.6	2.0	4.3	2.7
	Z	16.21 48.7	0.8			+	11.6	9.4		
04	A	18.31 39.6	1.0				3.9	2.2		
	H	18.31 38.6	0.8			-	2.9	5.7	3.4	3.1
	Z	18.31 39.3	1.1				2.0	2.4		
04	A	19.59 30.3	1.1			-	0.5	1.0		
	H	19.59 30.1	1.1			+	0.6	0.6	5.6	2.3
	Z	19.59 30.8	1.5				0.3			
05	A	00.38 19.1	1.2				1.8	1.6		
	H	00.38	0.9			-	4.0	3.8	3.6	2.9
	Z	00.38 18.9	1.1				2.7	2.3		
05	A	02.33 46.2	1.5				2.6	3.5		
	H	02.33 44.9	0.9				10.8	8.4	4.3	3.5
	Z	02.33 46.4	1.6				1.4	2.4		
05	A	03.02 29.6	0.9				0.7	1.6		
	H	03.02 28.6	0.5				1.5	3.0	2.3	2.5
	Z	03.02 29.7	1.1				1.6	0.8		
05	A	06.52 40.6	1.1				0.4	0.4		
	H	06.52 40.0	0.8				1.2	1.3	3.3	2.1
	Z	06.52 40.6	1.1				0.8	0.7		
05	A	11.12 53.0	1.0				1.1	2.8		
	H	11.12 52.4	0.8			+	9.1	12.3	2.9	3.3
	Z	11.12 52.8	0.9				2.8	3.1		
05	A	11.15 47.2	1.0				7.9	7.5		
	H	11.15 46.4	0.9			-	8.6	7.1	3.7	3.5
	Z	11.15 47.9	1.0			-	6.3	4.8		
05	A	11.20 38.5	1.0				3.1	3.2		
	H	11.20 37.7	0.6			-	3.4	3.4	1.8	2.9
	Z	11.20 38.6	1.0				3.7	2.7		
05	A	16.22 37.4	0.9			-	1.7	3.4		
	H	16.22 37.2	1.2			+	2.8	5.2	5.1	3.2
	Z	16.22 38.1	1.4			-	1.6	1.9		
05	A	17.18 58.1	1.2				2.2	1.6		
	H	17.18 58.9	1.9				1.8	1.9	5.8	3.1
	Z	17.18 58.1	1.1			+	6.0	9.8		
05	A	18.50 29.9	1.1			-	1.5	2.1		
	H	18.50 30.1	1.3			+	4.0	4.4	5.9	3.1
	Z	18.50 30.5	1.5				1.2	1.4		

Oct. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
05	A	20.06 26.4	0.9				1.1	2.5		
	H	20.06 25.6	0.6			+	2.2	2.8	2.0	2.7
	Z	20.06 27.1	1.0				0.6	1.0		
05	A	20.38 09.3	0.6				10.8	30.5		
	H	20.38 09.8	1.2			+	1.0	3.4	3.3	3.6
	Z	20.38 09.7	0.9							
06	A	00.05 06.3	1.2				0.9	0.9		
	H	00.05 06.3	1.4			-	0.8	0.8	4.1	2.5
	Z	00.05 05.8	0.8				3.1	6.3		
06	A	01.12 29.7	0.4				7.2	11.2		
	H	01.12 30.1	0.9				0.4	0.6	2.1	2.5
	Z	01.12 30.2	0.8				0.8	0.7		
06	A	06.44 47.9	1.1				1.0	1.0		
	H	06.44 48.0	1.4				0.9	0.8	4.1	2.5
	Z	06.44 47.5	0.7				10.4	8.2		
06	A	09.35 09.4	0.5				3.6	4.8		
	H	09.35 10.3	0.9				0.9	0.8	1.4	2.5
	Z	09.35 10.0	0.6				0.8	1.0		
06	A	11.05 36.7	1.6				2.9	2.0		
	H	11.05 37.5	2.2				4.7	3.3	6.7	3.6
	Z	11.05 36.4	1.2				4.1	5.0		
06	A	11.31 40.3	0.7				28.0	32.1		
	H	11.31 40.7	1.0			+	6.4	8.0	3.9	3.9
	Z	11.31 40.8	1.1				9.0	5.3		
06	A	12.00 05.6	0.6				3.9	4.4		
	H	12.00 06.2	0.7				0.6	0.5	2.4	2.3
	Z	12.00 06.0	1.0				0.8	1.3		
06	A	12.34 40.1	1.4				0.8	0.7		
	H	12.34 40.7	2.2				0.4	0.3	3.6	2.5
	Z	12.34 39.6	1.1				0.8	0.8		
06	A	16.13 40.7	0.6							
	H	16.13 41.6	1.1			+	5.0	5.4	3.1	3.3
	Z	16.13 41.5	1.2			-	5.8	5.6		
06	A	16.13 50.2	0.4				6.6	10.4		
	H	16.13 51.2	0.8			+	2.2	2.0	1.6	2.8
	Z	16.13 50.8	0.8			-	1.4	1.0		
06	A	16.28 28.0	0.5				5.9	7.0		
	H	16.28	1.0				1.0	1.1	2.7	2.7
	Z	16.28 28.6	0.8			-	1.2	1.0		
06	A	17.01 19.7	0.9				1.1	1.6		
	H	17.01 20.3	1.4			-	1.0	1.0	4.3	2.6
	Z	17.01 19.6	0.7				1.3	2.4		
06	A	17.27 18.0	0.5				4.5	3.4		
	H	17.27 18.7	0.8				0.8	0.7	2.1	2.4
	Z	17.27 18.5	0.8			-	1.0	1.2		
06	A	17.30 20.0	1.0				1.1	1.8		
	H	17.30 19.5	1.1			-	5.3	8.0	4.4	3.2
	Z	17.30 19.9	0.9			-	10.2			
06	A	18.34 44.7	1.1				1.6	1.9		
	H	18.34 44.7	1.1			+	2.4	3.5	5.8	2.9
	Z	18.34 45.5	1.5			-	0.9	1.1		
06	A	19.06 37.7	1.6				1.8	2.1		
	H	19.06 38.0	2.0				1.0	0.7	8.3	3.0
	Z	19.06 37.5	1.4				3.6	3.9		
06	A	21.01 33.4	1.2				1.0	1.4		
	H	21.01 33.2	1.6			-	1.8	2.4	6.1	3.0
	Z	21.01 33.0	1.0			-	4.0	6.4		
06	A	21.07 44.8	0.9				7.1	7.1		
	H	21.07 45.2	1.1			+	4.0	5.6	4.0	3.4
	Z	21.07 44.7	0.8			-				
07	A	03.11 37.6	1.3				1.4	2.5		
	H	03.11 37.0	1.0			-	4.4	4.6	3.4	3.1
	Z	03.11 37.7	1.0				3.4	3.3		
07	A	05.31 12.1	0.8				2.4	1.8		
	H	05.31 12.9	1.2				0.6	0.7	3.2	2.5
	Z	05.31 12.1	0.6			+	4.8	3.4		
07	A	06.22 52.8	1.5				2.0	2.3		
	H	06.22 51.8	0.9				6.0	5.4	4.7	3.2
	Z	06.22 53.1	1.6				1.0	1.1		
07	A	06.41 01.7	1.6				7.4	4.7		
	H	06.41 00.4	1.1			-	18.2	15.0	6.2	4.0
	Z	06.41 02.0	1.9				2.4	3.6		
07	A	06.48 22.4	1.0				1.8	2.4		
	H	06.48 21.8	0.6			-	2.8	3.1	1.0	2.7
	Z	06.48 22.8	1.0				1.0	0.9		
07	A	08.55 14.3	1.0				1.4	5.3		
	H	08.55 13.6	0.7			+	6.6	6.1	3.7	3.2
	Z	08.55 15.1	1.3			-	1.1	2.1		
07	A	08.55 33.6	0.9				1.8	2.0		
	H	08.55 34.2	1.0			-	0.8	06.	1.1	2.4
	Z	08.55 33.2	0.5				9.2			
07	A	09.14 15.5	0.9				2.5	2.4		
	H	09.14 15.9	1.4			-	1.2	1.0	3.0	2.7
	Z	09.14 15.3	0.5							
07	A	09.14 36.6	0.8				2.0	2.6		
	H	09.14 37.1	1.1			-	1.8	1.9	2.3	2.7
	Z	09.14 36.2	0.6			+				
07	A	11.05 56.7	0.6				1.6	3.3		
	H	11.05 56.9	0.7				1.0	1.6	2.1	2.5
	Z	11.05 57.1	0.9				0.4			
07	A	15.17 10.3	1.1				1.4	2.0		
	H	15.17 10.2	1.0				5.5	7.2	4.4	3.1
	Z	15.17 10.1	1.0				22.4	8.6		
07	A	16.29 09.0	0.6			-	1.0	3.7		
	H	16.29 09.2	0.7			+	4.0	4.8	2.2	2.8
	Z	16.29 09.8	1.0				1.2	1.7		
07	A	20.20 45.6	1.0				2.4	2.6		
	H	20.20 45.2	0.9				3.6	3.7	2.8	2.9
	Z	20.20 45.6	0.8				7.0	1.7		
07	A	20.50 18.1	1.4				1.6	4.7		
	H	20.50 16.7	0.7			+	7.3	6.3	3.9	3.3
	Z	20.50 18.4	1.5				1.3	1.6		
07	A	23.02 12.1	1.1				1.3	2.5		
	H	23.02 12.3	2.0			+	1.3	2.1	3.6	3.1
	Z	23.02 11.9	1.3				2.9	2.8		
07	A	23.03 41.7	1.6				0.7	1.0		
	H	23.03 42.3	2.0				0.5	0.4	8.5	2.6
	Z	23.03 41.5	1.4				2.6	2.9		
08	A	01.44 06.1	1.2				0.6	1.2		
	H	01.44 06.2	1.4				1.2	1.3	4.7	2.7
	Z	01.44 05.6	0.9			+	3.6	3.3		
08	A	07.47 20.5	0.7				2.8	3.8		
	H	07.47 20.4	1.0				0.6	0.8	3.4	2.5
	Z	07.47 21.0	1.0				0.6	0.4		
08	A	09.36 54.6	1.1				1.0	1.2		
	H	09.36 55.2	1.3				0.4	0.3	1.8	2.2
	Z	09.36 54.1	0.5				9.3	6.8		
08	A	12.01 45.7	1.0				0.8	0.8		
	H	12.01 46.5	1.7			+	0.5	0.6	4.5	2.4
	Z	12.01 45.3	0.8				1.8	2.6		
08	A	16.01 15.3	1.1				2.1	6.5		
	H	16.01 14.5	0.7			+	3.8	4.6	2.9	3.2
	Z	16.01 15.6	1.2				4.2	4.1		
08	A	19.13 33.7	0.7				1.6	1.8		
	H	19.13 34.4	1.3				0.4	0.4	2.2	2.2
	Z	19.13 33.1	0.4			+	5.2	7.0		
08	A	19.31 16.1	1.4				1.8	2.2		
	H	19.31 15.6	1.0				10.0	7.0	4.4	3.3
	Z	19.31 16.0	1.3			+	4.6	4.9		
08	A	20.52 37.7	1.2				0.9	1.3		
	H	20.52 37.5	0.9			-	2.8	2.0	2.7	2.7
	Z	20.52 37.8	1.0				4.6	2.4		
08	A	23.08 18.5	0.9				2.2	3.6		
	H	23.08 18.5	1.2			+	5.8	4.8	5.3	3.3
	Z	23.08 19.1	1.2				3.2	1.9		
08	A	23.13 15.9	1.1				1.9	3.2		
	H	23.13 15.3	0.8				6.2	5.6	2.3	3.2
	Z	23.13 15.9	1.0			-	2.4	2.9		
08	A	23.59 37.3	0.9				9.4	8.2		
	H	23.59 37.7	1.2				2.8	3.9	5.1	3.4
	Z	23.59 37.6	1.3			-	6.0	1.8		
09	A	00.28 25.1	0.8				1.0	1.2		
	H	00.28 25.1	0.9				0.4	0.4	4.1	2.0
	Z	00.28 25.9	1.1				0.5	0.7		
09	A	05.09	0.8				1.6	1.0		
	H	05.09 10.5	0.6			+	3.2	4.8	1.6	2.6
	Z	05.09 11.3	0.9				1.9	1.0		
09	A	05.26 09.5	1.0				1.2	0.9		
	H	05.26 09.2	1.0			-	2.2	2.3	3.9	2.6
	Z	05.26 09.4	0.9			-	6.9	4.6		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Oct. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.11 48.3	1.3				1.1	2.2		
09	H	14.11 48.3	1.4				1.8	2.2	4.9	3.0
	Z	14.11 47.7	0.9			-	26.5			
	A	15.28 09.6	1.5				1.2	3.1		
09	H	15.28 08.4	1.0				8.0	9.6	6.0	3.5
	Z	15.28 10.0	1.8				1.0	1.2		
	A	15.48 25.2	1.5				1.0	0.4		
09	H	15.48 24.3	1.0			-	2.9	4.1	6.1	2.8
	Z	15.48 25.8	1.8				0.4	0.4		
	A	16.34 25.1	0.7				1.8	1.6		
09	H	16.34 26.2	1.4			+	1.2	1.5	3.7	2.6
	Z	16.34 25.3	0.8				1.8	3.6		
	A	18.28 38.8	0.9				0.7	1.2		
09	H	18.28 38.9	0.9				0.5	0.3	2.8	2.1
	Z	18.28 38.7	0.8				0.7	0.6		
	A	19.11 07.5	1.5				6.5	3.6		
09	H	19.11 06.3	0.9			-	14.9	14.7	5.4	3.8
	Z	19.11 07.7	1.7			-	2.2	2.1		
	A	22.36 31.8	0.9				1.4	0.6		
09	H	22.36 31.3	0.9			-	1.8	1.5	1.6	2.5
	Z	22.36 31.6	0.7				2.4	2.2		
	A	02.04 31.8	0.7				0.8	1.0		
10	H	02.04 32.6	1.5				0.6	0.4	3.2	2.2
	Z	02.04 31.7	0.7			+	1.5	1.4		
	A	02.24 20.9	1.3				0.7	1.0		
10	H	02.24 21.4	1.7				0.2	0.3	7.0	2.3
	Z	02.24 20.7	1.2				1.8	1.6		
	A	06.07 07.7	0.8				4.2	8.0		
10	H	06.07 08.2	1.3			-	1.4	2.0	3.2	3.1
	Z	06.07 07.3	0.6			+	11.8	9.8		
	A	14.00 25.9	1.0				1.8	1.4		
10	H	14.00 26.5	1.5			+	1.2	1.8	5.8	2.9
	Z	14.00 25.9	1.1				5.2	3.3		
	A	16.00 52.4	0.8				1.6	2.1		
10	H	16.00 53.4	1.3				0.4	0.6	3.8	2.4
	Z	16.00 52.6	0.7				1.4	2.3		
	A	01.25 51.1	1.5				2.9	4.5		
11	H	01.25 49.8	0.8			+	7.6	7.6	3.4	3.5
	Z	01.25 51.3	1.5			-	1.9	3.5		
	A	01.28 13.7	0.9				1.2	0.5		
11	H	01.28 13.5	0.9				1.2	1.2	2.5	2.4
	Z	01.28 13.6	0.8			-	3.9	3.4		
	A	01.32 43.2	0.8				6.0	9.0		
11	H	01.32	1.1			+	1.8	2.4	3.3	3.2
	Z	01.32 42.5	0.7			+	46.7			
	A	01.57 12.6	0.8				1.9	3.1		
11	H	01.57 13.2	1.2				1.0	0.9	3.1	2.6
	Z	01.57 12.4	0.6				2.3	4.4		
	A	02.18 56.1	1.0				0.8	1.1		
11	H	02.18 55.9	1.0			-	4.0	5.8	3.5	2.9
	Z	02.18 55.7	0.9			-	6.6	4.4		
	A	04.03 33.2	0.8					54.3		
11	H	04.03 33.6	1.1			+	12.0	19.8	4.3	4.3
	Z	04.03 33.9	1.1			-	9.8	5.8		
	A	04.04 42.0	0.7				8.4	12.2		
11	H	04.04 42.4	1.0			+	1.5	1.8	3.8	3.1
	Z	04.04 42.7	1.0			-	2.4	2.0		
	A	04.05 01.3	0.7				9.8	10.8		
11	H	04.05 01.7	0.9				1.9	2.2	3.6	3.1
	Z	04.05 01.8	1.0			-	2.7	2.1		
	A	06.18 27.5	0.7				0.8	1.0		
11	H	06.18 27.4	0.7				1.3	1.8	1.5	2.2
	Z	06.18 27.9	0.8			-	0.9	0.6		
	A	06.21 14.6	0.9				2.4	3.7		
11	H	06.21 14.9	1.2			+	1.3	2.0	5.3	2.9
	Z	06.21 15.2	1.2				2.6	2.6		
	A	08.48 07.3	0.7				0.7	0.7		
11	H	08.48 08.1	1.5				0.2	0.3	3.6	1.9
	Z	08.48 07.5	0.9				0.6	1.3		
	A	12.54 01.3	2.0				1.2	3.0		
11	H	12.54 00.5	1.5			-	5.0	7.2	8.5	3.7
	Z	12.54 01.4	2.1			-	0.8	0.7		
	A	01.22 06.6	0.9				6.0	5.9		
12	H	01.22 05.9	0.6				5.3	6.0	1.4	3.1
	Z	01.22 07.0	0.9			-	1.8	2.3		
	A	03.35 46.8	1.4				16.0	9.6		
12	H	03.35 46.5	1.1			-	12.9	25.0	3.8	4.3
	Z	03.35 46.9	1.1				33.4			
	A	03.42 33.1	1.0				1.5	0.6		
12	H	03.42 32.6	1.0			-	1.2	1.4	3.7	2.6
	Z	03.42 33.0	0.9				4.1	3.1		
	A	04.53 23.8	0.8				1.3	2.6		
12	H	04.53 24.2	1.4				0.4	0.4	3.3	2.3
	Z	04.53 23.7	0.6				2.0	3.2		
	A	05.54 22.0	1.6				2.4	2.7		
12	H	05.54 22.4	1.7			+	2.1	2.0	7.6	3.3
	Z	05.54 21.7	1.3				5.6	5.4		
	A	07.56 42.7	1.0				1.6	1.2		
12	H	07.56 42.1	1.1				1.7	5.8	4.1	3.0
	Z	07.56 42.4	0.9				6.4	4.4		
	A	09.02 33.7	1.0				2.1	9.6		
12	H	09.02 33.2	0.7			+	7.0	14.8	3.9	3.6
	Z	09.02 34.6	1.3			-	4.6	3.9		
	A	09.38 06.2	0.9				0.7	0.4		
12	H	09.38 06.8	1.5				0.2	0.3	3.1	2.0
	Z	09.38 06.0	0.5				7.5	4.2		
	A	10.31 11.4	1.5				3.1	2.6		
12	H	10.31 12.2	2.2			+	4.6	5.2	7.0	3.6
	Z	10.31 11.3	1.3			+	5.6	11.0		
	A	10.32 50.0	0.9				0.8	1.4		
12	H	10.32 50.0	1.0				0.8	1.0	4.5	2.4
	Z	10.32 50.8	1.3				0.6			
	A	11.23 29.6	1.0				0.8	0.5		
12	H	11.23 29.4	0.9			-	1.4	1.6	3.2	2.4
	Z	11.23 29.7	0.9				3.5	1.9		
	A	11.33 59.0	1.7				0.8	1.2		
12	H	11.33 59.9	2.3				0.6	0.6	7.0	2.8
	Z	11.33 58.8	1.3				2.2	3.9		
	A	12.04 43.1	0.9				0.8	1.2		
12	H	12.04 43.3	1.0			+	0.9	1.4	4.7	2.5
	Z	12.04 43.9	1.4				0.5	0.4		
	A	12.50 27.3	1.1				0.8	1.0		
12	H	12.50 26.9	0.9				1.1	2.0	3.1	2.5
	Z	12.50 27.4	0.9				2.3	1.5		
	A	13.20 10.4	1.4				1.8	1.2		
12	H	13.20 11.7	2.2			+	1.1	1.2	6.2	3.0
	Z	13.20 10.2	1.3				1.4	3.1		
	A	14.54 37.9	0.6				1.8	2.6		
12	H	14.54 38.7	1.1				0.7	1.3	2.9	2.4
	Z	14.54 38.2	0.7				8.5	3.5		
	A	14.58	1.1				1.1	3.4		
12	H	14.58 49.0	0.5				5.6	5.4	2.4	3.0
	Z	14.58 50.4	1.2				0.9	1.2		
	A	18.12 42.1	1.0				0.6	1.2		
12	H	18.12 42.0	1.0			-	2.2	1.9	3.7	2.6
	Z	18.12 42.6	0.9				5.8	3.4		
	A	18.22 59.6	0.8				2.1	3.9		
12	H	18.23 00.0	1.0			-	1.2	1.3	1.1	2.8
	Z	18.22 59.6	0.4				66.0			
	A	00.07 26.6	1.1				1.3	2.4		
13	H	00.07 26.1	0.8			-	4.1	4.8	1.3	3.0
	Z	00.07 27.0	0.9				2.2	2.0		
	A	07.38 19.6	1.0				3.1	2.0		
13	H	07.39 18.8	0.8			-	5.5	11.7	3.0	3.3
	Z	07.39 19.7	1.0				3.8	3.5		
	A	09.10 41.8	1.6				0.8	1.1		
13	H	09.10 43.2	2.0			+	0.8	0.6	8.6	2.8
	Z	09.10 41.6	1.4				3.1	4.1		
	A	09.35 33.3	1.5				1.0	0.5		
13	H	09.35 33.0	1.5				1.0	0.8	3.5	2.7
	Z	09.35 32.8	1.0				1.8	2.5		
	A	14.54 57.0	0.7				1.0	2.4		
13	H	14.54 57.3	1.0				0.8	0.7	0.9	2.4
	Z	14.54 56.6	0.4			-		5.7		
	A	17.25	1.1				1.8	0.8		
13	H	17.25 19.2	0.9			-	3.0	2.5	3.2	2.8
	Z	17.25 19.5	1.0				3.0	1.8		
	A	17.54 56.1	1.1				5.1	14.6		
13	H	17.54 55.6	0.8			+	14.9	7.9	2.4	3.9
	Z	17.54 55.9	1.0			-	10.1	7.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
13	A	18.13 00.6	1.4				1.6	2.2		
	H	18.13 00.0	0.8			+	4.2	3.4	2.3	3.0
	Z	18.13 00.9	1.2				1.3	2.1		
13	A	18.46 20.9	1.0				1.1	3.9		
	H	18.46 20.4	0.7				3.4	3.4	1.4	3.0
	Z	18.46 21.0	0.9			-	2.4	1.6		
13	A	19.59 55.2	1.1				3.6	2.6		
	H	19.59 54.8	0.7			-	10.5	7.0	0.9	3.3
	Z	19.59 55.5	1.0				6.7	4.0		
13	A	22.09 58.8	0.9				10.4	8.1		
	H	22.09 58.3	0.6				4.4	6.1	1.4	3.3
	Z	22.09 58.7	0.9			-	4.4	4.9		
13	A	23.51 27.4	1.0				1.1	1.2		
	H	23.51 27.0	0.9			-	2.4	3.1	2.8	2.7
	Z	23.51 27.4	0.9				3.5	4.2		
14	A	02.28 34.5	1.3				3.2	2.0		
	H	02.28 35.2	1.8				1.0	1.2	7.4	3.1
	Z	02.28 34.7	1.3			+	13.3	3.6		
14	A	07.54 53.4	0.9				1.3	1.6		
	H	07.54 53.6	1.1			-	1.9	2.2	1.6	2.7
	Z	07.54 53.0	0.5				18.6			
14	A	08.15 54.7	1.0				1.0	2.1		
	H	08.15 53.9	0.9			-	8.6	11.8	1.7	3.3
	Z	08.15 54.4	0.8				2.6	3.0		
14	A	08.16 01.2	1.0				1.4	2.2		
	H	08.16 00.4	0.9			-	4.5	6.2	2.5	3.1
	Z	08.16 00.9	0.8			-	3.6	3.8		
14	A	11.45 14.4	1.4				0.9	1.6		
	H	11.45 13.3	0.8				1.6	1.6	4.5	2.6
	Z	11.45 15.0	1.5				0.8	0.8		
14	A	13.27 18.4	1.1				1.0	1.5		
	H	13.37 18.1	1.0			-	1.4	2.3	4.3	2.7
	Z	13.37 18.3	1.0			-	4.2	2.8		
14	A	14.02 40.8	0.9				1.6	2.4		
	H	14.02 40.8	0.8				3.5	3.4	2.5	2.8
	Z	14.02 40.5	0.8				6.4	5.6		
14	A	14.22 51.0	1.0				0.6	1.6		
	H	14.22 50.7	1.0			-	3.3	4.1	2.6	2.8
	Z	14.22 50.8	0.8				18.6	10.5		
14	A	14.50 38.3	0.8				1.5	3.2		
	H	14.50 37.9	0.8			-	4.8	6.1	2.5	3.0
	Z	14.50 38.5	0.9			-	3.0	1.5		
14	A	17.53 03.7	1.0				0.7	1.0		
	H	17.53 03.0	0.8			+	4.6	2.6	4.0	2.7
	Z	17.53 03.9	1.1				2.4	1.8		
14	A	20.18 48.7	0.5				0.4	0.2		
	H	20.18 48.3	0.7			-	1.1	1.0	1.5	1.6
	Z	20.18 47.8	0.9				1.9	1.3		
14	A	22.02 20.0	1.3				2.3	4.6		
	H	22.02 20.9	1.9			-	1.0	1.1	6.0	3.2
	Z	22.02 20.0	1.0				3.3	9.7		
14	A	22.11 00.6	1.5				0.6	1.5		
	H	22.11 00.7	2.0				0.7	0.6	8.4	2.8
	Z	22.11 00.0	1.4				3.4	5.8		
14	A	22.22 15.7	1.1				2.0	2.0		
	H	22.22 17.1	1.1				1.0	0.8	2.0	2.5
	Z	22.22	0.7				8.6	6.7		
15	A	01.50 08.7	0.7				1.2	2.3		
	H	01.50 09.3	1.4				0.7	1.0	3.1	2.6
	Z	01.50 08.7	0.6				3.5	3.2		
15	A	05.04 11.7	1.2				0.6	0.7		
	H	05.04 11.2	1.0				0.7	1.0	4.1	2.3
	Z	05.04 11.8	1.0				2.8	1.8		
15	A	08.02 18.2	0.6				1.1	1.6		
	H	08.02 18.6	1.0				1.0	1.0	1.4	2.2
	Z	08.02 17.9	0.5				19.2	8.1		
15	A	09.48 22.5	1.1				0.6	0.8		
	H	09.48 22.5	1.0			-	1.9	1.8	3.6	2.5
	Z	09.48 22.5	0.9			+	4.8	2.2		
15	A	10.25 34.2	1.3				1.2	1.4		
	H	10.25 33.9	1.1			+	1.0	0.7	6.5	2.6
	Z	10.25 35.0	1.5				0.7	0.8		
15	A	11.41 11.8	2.0				0.6	1.3		
	H	11.41 10.7	1.5			-	4.2	6.3	9.0	3.4
	Z	11.41 12.2	2.1				0.9	0.4		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
15	A	12.34 52.6	0.8				1.1	2.9		
	H	12.34 52.1	0.7				2.4	1.7	2.1	2
	Z	12.34 52.8	0.9				1.6	1.4		
15	A	15.05 16.4	0.9				1.6	1.4		
	H	15.05 16.2	1.0			-	5.8	5.3	3.2	2
	Z	15.05 16.4	0.8			-	14.6	5.5		
16	A	02.10 46.4	0.6				3.4	5.5		
	H	02.10 47.0	1.0				0.6	0.4	3.1	2
	Z	02.10 47.0	1.0				0.8	0.5		
16	A	13.33 42.1	0.7				1.2	1.4		
	H	13.33 42.6	0.8				0.8	0.6	3.1	2
	Z	13.33 42.9	1.0				0.6	0.6		
16	A	13.54 31.6	0.8				0.7	1.8		
	H	13.54 31.9	1.6				0.6	0.5	3.1	2
	Z	13.54 31.2	0.7			+	2.4	5.6		
16	A	14.07 07.0	0.6				1.1	1.3		
	H	14.07 06.8	0.9				0.6	0.4	3.2	2
	Z	14.07 07.7	1.0				0.8	0.2		
16	A	17.40 02.6	0.9				1.0	2.6		
	H	17.40 01.8	0.7				1.8	1.8	2.8	2
	Z	17.40 02.6	1.0			-	2.7	2.9		
16	A	20.17 49.7	1.0				1.4	1.0		
	H	20.17 49.5	0.9			-	2.1	2.8	3.1	2
	Z	20.17 49.8	0.9			-	7.9	4.4		
16	A	23.02 37.1	1.0				0.8	1.7		
	H	23.02 36.9	1.0			-	2.2	2.2	4.1	2
	Z	23.02 37.1	1.0			-	15 8	3.9		
17	A	01.17 36.2	0.9			-	11.5	14.2		
	H	01.17 37.1	1.6			-	5.0	5.0	3.1	3
	Z	01.17 36.0	0.6							
17	A	06.36 48.9	1.1			-	1.2	3.8		
	H	06.36 48.3	0.9			+	7.8	11.1	5.2	3
	Z	06.36 49.4	1.5			-	2.6	1.6		
17	A	11.55 08.1	1.0			+	1.1	2.4		
	H	11.55 07.2	0.7			+	3.2	4.0	3.8	2
	Z	11.55 08.3	1.2			-	1.7	1.5		
17	A	12.29 42.2	0.9			-	1.1	1.5		
	H	12.29 42.3	0.8			+	1.1	0.6	3.4	2
	Z	12.29 43.3	1.4				0.5	0.8		
17	A	13.41 43.3	1.0			+	2.0	2.6		
	H	13.41 42.8	0.8			-	6.0	5.9	1.3	2
	Z	13.41 43.2	0.9				2.9	1.5		
17	A	14.06 24.7	1.3				0.6	1.4		
	H	14.06 23.4	0.8			+	3.0	4.0	4.7	2
	Z	14.06 25.1	1.5				1.6	2.0		
17	A	17.29 30.0	0.9				0.6	1.0		
	H	17.29 30.1	0.9			-	1.1	2.8	2.6	2
	Z	17.29 30.6	0.8			-	2.2	1.6		
17	A	19.50 43.2	1.0				1.2	1.2		
	H	19.50 44.1	1.6				1.0	1.0	5.2	2
	Z	19.50 43.0	0.9							
17	A	22.58 46.2	1.0			-	0.9	1.2		
	H	22.58 46.6	1.4				0.3	0.4	3.9	2
	Z	22.58 45.9	0.7				1.4	3.0		
18	A	00.32 19.5	1.1				1.0	4.2		
	H	00.32 19.1	0.7				2.3	2.0	3.6	2
	Z	00.32 20.1	1.2			-	0.8	1.0		
18	A	03.54 01.9	2.4				1.5	2.5		
	H	03.54 02.6	3.0				1.4	1.8	11.8	3
	Z	03.54 01.9	2.2				1.8	3.8		
18	A	04.08 10.3	1.0				0.4	0.4		
	H	04.08 10.9	1.7				0.4	0.4	5.5	2
	Z	04.08 10.6	1.0				1.1	1.9		
18	A	06.11 30.5	1.5				0.6	0.8		
	H	06.11 31.6	2.1				1.0	1.7	6.7	2
	Z	06.11 30.7	1.2			-	2.7	4.6		
18	A	07.41 02.3	1.0			-	9.7	10.8		
	H	07.41 01.8	0.6				9.6		2.7	3
	Z	07.41 03.2	1.1			-	2.8	4.5		
18	A	07.49 29.4	0.9				0.8	2.1		
	H	07.49 28.5	0.7				3.3	3.8	3.0	2
	Z	07.49 30.0	1.1				0.4	0.6		
18	A	08.30 40.5	0.9				0.8	1.7		
	H	08.30 39.9	0.5				2.8	3.4	1.1	2
	Z	03.30 41.1	1.0				0.6	0.7		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
18	A	10.48 32.6	1.1				2.0	3.0		
	H	10.48 32.0	1.0				7.2	5.4	4.2	3.3
	Z	10.48 32.6	1.0				11.4	11.8		
18	A	11.31 07.8	1.0				0.6	0.6		
	H	11.31 07.4	0.7				1.4	1.6	1.9	2.2
	Z	11.31 08.0	0.9			-	3.0	1.8		
18	A	14.02 10.1	1.5				0.6	1.2		
	H	14.02 10.6	2.0				0.4	0.2	7.9	2.6
	Z	14.02 10.0	1.3				2.0	4.8		
18	A	20.18 53.2	2.3				1.9	1.4		
	H	20.18 54.2	3.1				3.0	2.3	9.0	3.6
	Z	20.18 53.1	2.0				2.8	4.5		
18	A	22.42 04.8	0.5				5.3	8.6		
	H	22.42 05.4	0.9			-	4.4	6.0	2.2	3.2
	Z	22.42 05.3	0.7				2.4	2.0		
19	A	00.55 11.7	1.6				4.0	6.2		
	H	00.55 12.0	2.0			+	2.9	4.0	4.5	3.8
	Z	00.55 11.7	1.0							
19	A	05.59 29.4	1.7				3.3	3.8		
	H	05.59 29.9	2.0			+	2.6	2.7	8.6	3.5
	Z	05.59 29.4	1.4							
19	A	06.25 33.3	1.6				1.7	1.8		
	H	06.25 33.6	1.8				1.4	1.6	7.5	3.1
	Z	06.25 33.2	1.3				2.9	3.6		
19	A	09.32 21.8	1.5				12.2	11.8		
	H	09.32 22.1	1.4			+	3.4	5.4	6.0	3.8
	Z	09.32 21.6	1.2							
19	A	09.38 50.2	1.6				7.6	7.1		
	H	09.38 50.7	1.8			+	3.1	4.2	7.2	3.6
	Z	09.38 50.2	1.3			+				
19	A	15.04 19.3	1.1				1.2	0.7		
	H	15.04 18.8	1.1				2.1	2.4	3.4	2.6
	Z	15.04 19.4	0.9				6.0	5.2		
19	A	16.16 43.4	1.4				1.6	2.0		
	H	16.16 44.1	1.9			+	1.0	1.3	7.4	3.0
	Z	16.16 43.7	1.2				4.5	2.8		
19	A	18.44 02.6	0.5			-	3.2	2.7		
	H	18.44 03.2	1.0				0.5	0.6	2.8	2.3
	Z	18.44 03.2	0.8				2.8	1.7		
19	A	23.11 06.0	1.1			-	0.7	1.4		
	H	23.11 05.8	1.2				0.9	1.0	6.0	2.5
	Z	23.11 06.7	1.5				0.8	0.6		
20	A	01.32 49.2	1.0				1.8	1.8		
	H	01.32 48.7	0.8				9.4	7.1	1.7	3.0
	Z	01.32 49.3	0.8			-	3.8	2.4		
20	A	02.11 56.2	1.3				1.2	4.5		
	H	02.11 55.3	1.0				8.0	6.3		3.5
	Z	02.11 56.2	0.8				3.3	1.6		
20	A	02.42 17.8	0.9			-	1.8	5.2		
	H	02.42 17.2	0.6				2.8	3.7	2.2	3.0
	Z	02.42 17.2	1.0			-	1.4			
20	A	05.48 23.4	0.8				0.8	2.3		
	H	05.48 22.9	0.7				1.0	1.6	2.8	2.5
	Z	05.48 23.9	1.0				0.8	0.2		
20	A	08.47 08.7	0.7				1.2	0.8		
	H	08.47 09.2	1.1				0.3	0.4	3.7	2.0
	Z	08.47 09.0	0.8				2.5	3.0		
20	A	14.43 33.3	0.9				1.0	2.2		
	H	14.43 32.2	0.5				2.6	2.8	2.0	2.5
	Z	14.43 33.5	1.1				0.6	0.3		
20	A	20.42 37.1	0.9				0.6	0.9		
	H	20.42 37.0	1.0			+	0.3	0.5	3.8	2.0
	Z	20.42 37.9	1.5				0.6			
20	A	21.06 48.2	0.9				0.8	3.6		
	H	21.06 47.7	0.6				4.4	3.1	2.0	2.9
	Z	21.06 48.7	1.0			-	0.8	0.2		
20	A	21.06 51.1	0.9			-	5.2	9.7		
	H	21.06 50.6	0.5				5.5	4.4	0.7	3.2
	Z	21.06 51.7	1.0			-	3.0	1.7		
20	A	22.07 24.9	0.9				1.0	0.9		
	H	22.07 25.4	1.5				0.4	0.3	3.5	2.2
	Z	22.07 24.9	0.6				2.8	2.4		
21	A	00.47 23.8	1.2				1.4	1.1		
	H	00.47 24.5	1.9			+	1.0	1.0	6.2	2.7
	Z	00.47 23.7	1.2				2.3	2.9		
21	A	04.02 11.4	1.0				0.4	0.3		
	H	04.02 11.5	1.5				0.2	0.3	4.8	1.8
	Z	04.02 11.2	0.8				1.2	0.7		
21	A	04.49 42.2	0.8				0.8	1.2		
	H	04.49 42.2	1.0			+	0.8	1.3	3.7	2.4
	Z	04.49 42.9	1.4				0.6	0.7		
21	A	07.30 26.8	1.0				0.6	1.0		
	H	07.30 26.9	0.9			-	1.6	1.4	3.4	2.4
	Z	07.30 27.3	0.9			-	2.8	1.5		
21	A	11.31 55.9	0.9				0.4	0.3		
	H	11.31 56.3	1.3				0.2	0.2	2.6	1.6
	Z	11.31 55.6	0.5				3.2	5.0		
21	A	15.24 54.2	1.2			-	0.8	1.3		
	H	15.24 55.2	1.8				0.5	0.7	5.2	2.6
	Z	15.24 54.4	0.9			-	6.7	4.7		
21	A	15.28 23.9	0.6				1.6	1.3		
	H	15.28 24.6	1.1			+	0.7	2.1	2.6	2.5
	Z	15.28 24.2	0.6				7.6	2.4		
21	A	15.33 17.4	1.1				0.5	0.4		
	H	15.33 17.2	1.0				0.7	0.6	3.0	2.1
	Z	15.33 17.7	0.9				2.1	0.3		
21	A	15.50 27.9	0.7				0.6	0.6		
	H	15.50 29.0	1.1				0.6	1.3	2.7	2.1
	Z	15.50 28.3	0.6			-	7.6	4.3		
21	A	18.41 43.4	1.1				1.0	0.7		
	H	18.41 43.6	1.3				0.8	0.6	3.9	2.4
	Z	18.41 43.2	0.7					8.1		
21	A	20.25 24.0	1.5				1.1	2.0		
	H	20.25	0.9			-	7.0	4.7	5.3	3.2
	Z	20.25 24.7	1.7			-	1.2	1.6		
21	A	22.51 10.4	1.1				0.7			
	H	22.51 10.5	1.1				1.1	0.9	5.6	2.3
	Z	22.51 11.2	1.5				0.4	0.2		
22	A	03.54 14.8	0.9				6.6	5.1		
	H	03.54 15.7	1.6			+	2.8	2.4	4.8	3.3
	Z	03.54	0.9				2.2	7.3		
22	A	13.06 40.7	0.6				1.0	0.6		
	H	13.06 40.9	1.1				0.2	0.2	2.6	1.7
	Z	13.06 40.2	0.6				3.1	2.6		
22	A	13.22 02.7	0.9				1.4	1.8		
	H	13.22 03.2	1.6			+	1.2	1.5	4.4	2.8
	Z	13.22 02.4	0.8				3.2	6.0		
22	A	13.30 28.2	1.2				0.3	0.4		
	H	13.30 27.7	0.9				0.9	0.5		2.1
	Z	13.30 28.4	0.9				1.1	0.5		
22	A	14.32 24.5	1.7				0.3	0.2		
	H	14.32 24.7	1.9				0.2	0.2	7.6	2.0
	Z	14.32 23.8	1.3				1.4	0.9		
22	A	14.41 45.5	0.6				2.0	1.8		
	H	14.41 45.9	1.2				0.9	1.4	3.0	2.5
	Z	14.41 45.7	0.7			-		3.0		
22	A	17.24 48.2	1.0				1.9	0.8		
	H	17.24 48.3	0.9				1.9	2.1	2.7	2.7
	Z	17.24 48.4	0.8				5.4	4.6		
22	A	20.09 38.7	1.1				0.8	1.2		
	H	20.09 38.8	1.2			+	1.3	1.0	5.6	2.5
	Z	20.09 39.4	1.6				0.9	0.6		
22	A	23.18 02.6	0.8				0.8	1.6		
	H	23.18 02.3	0.6			+	1.1	2.2	2.2	2.4
	Z	23.18 03.0	1.0				0.6	0.4		
23	A	05.05 02.5	1.0				1.2	1.2		
	H	05.05 02.3	0.7			+	2.0	1.9	2.0	2.4
	Z	05.05 02.5	0.9			-	3.5	3.0		
23	A	05.07 53.4	0.8				0.8	2.0		
	H	05.07 53.0	0.6				2.0	2.8	2.1	2.5
	Z	05.07 53.6	1.0			-	1.6	1.0		
23	A	11.48 38.0	1.0				1.2	2.0		
	H	11.48 38.6	1.7			-	0.6	0.8	4.5	2.7
	Z	11.48 37.9	0.8				4.8	5.6		
23	A	12.37 59.8	0.9			+	0.5	0.8		
	H	12.37 59.5	0.8				1.6	1.9	2.0	2.3
	Z	12.37 59.8	0.8				2.4	2.5		
23	A	13.39 42.2	1.0			-	0.8	2.3		
	H	13.39 41.4	0.6				2.8	3.4	3.2	2.8
	Z	13.39 42.5	1.2				0.3			

Oct. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
23	A	14.40 39.5	1.2				9.0	4.8		
	H	14.40 40.0	1.8				8.2	11.1	5.6	4.0
	Z	14.40 39.3	1.0			+				
23	A	14.41 25.2	1.1				1.6	2.4		
	H	14.41 25.9	1.6				1.2	1.8	5.6	3.0
	Z	14.41 25.1	1.0			+	3.3	2.9		
23	A	15.24 33.7	1.2				1.2	1.2		
	H	15.24 34.3	1.7				1.4	2.0	1.4	2.9
	Z	15.24	0.5				8.5	8.3		
23	A	16.39 43.6	0.8				0.6	0.8		
	H	16.39 43.3	0.8			-	1.8	2.4	2.5	2.4
	Z	16.39 43.3	0.8				1.7	0.9		
23	A	23.42 37.0	1.0				2.9	3.3		
	H	23.42 36.8	1.1			-	7.7	5.9	5.0	3.3
	Z	23.42 37.0	1.0					14.2		
24	A	00.22 48.5	0.7				2.2	4.0		
	H	00.22 49.1	1.0				0.7	0.7	3.7	2.5
	Z	00.22 49.4	1.1				2.4	2.4		
24	A	00.31 36.2	0.7				3.8	4.4		
	H	00.31 37.2	1.3			-	1.3	1.2	3.4	2.8
	Z	00.31 36.1	0.7			+	2.6	4.8		
24	A	01.27 57.4	1.0				2.0	1.4		
	H	01.27 57.1	0.9			-	3.4	4.0	2.7	2.8
	Z	01.27 57.3	0.8			-	3.7	2.0		
24	A	09.10 42.9	1.2				0.9	1.0		
	H	09.10 43.8	1.9				0.5	0.7	5.5	2.6
	Z	09.10 42.8	1.0					3.0		
24	A	11.08 20.6	1.6				4.7	5.9		
	H	11.08 21.1	2.0				3.4	3.3	8.5	3.7
	Z	11.08 20.7	1.4					6.6		
24	A	11.09 08.6	1.5				0.6	1.0		
	H	11.09 08.7	2.0				0.5	0.4	7.5	2.6
	Z	11.09 08.3	1.2					2.0		
24	A	17.34 45.3	0.9				3.1	2.6		
	H	17.34 45.2	1.0				1.9	3.6	4.4	3.0
	Z	17.34 45.9	1.3			-		2.9		
25	A	02.19 30.5	1.0				1.0	0.9		
	H	02.19 29.9	0.6				2.7	2.8		2.5
	Z	02.19 30.7	0.7					1.3		
25	A	14.19 06.8	1.3				1.4	1.5		
	H	14.19 07.3	2.0			-	1.6	2.0	6.0	3.0
	Z	14.19 06.3	1.0			+		8.0		
25	A	17.06 30.1	1.0				1.4	0.4		
	H	17.06 29.6	0.7			+	1.1	2.3	3.0	2.5
	Z	17.06 30.8	1.5			-	1.2	0.3		
25	A	17.57 07.1	1.0			-	2.7	5.8		
	H	17.57 05.1	1.0			+	3.0	4.2	5.2	3.3
	Z	17.57 07.1	1.4				3.8	1.8		
25	A	18.01 13.8	1.0				0.6	0.8		
	H	18.01 14.4	1.5				1.0	1.0	4.8	2.5
	Z	18.01 13.6	0.8				3.0	4.8		
26	A	00.08 17.2	1.4				1.0	1.2		
	H	00.08 17.7	1.7				0.6	0.5	7.4	2.6
	Z	00.08 17.0	1.2				3.7	3.3		
26	A	01.24 01.4	1.0				1.2	3.9		
	H	01.24 00.8	0.9				7.3	9.1	3.7	3.3
	Z	01.24 01.4	1.0				2.5	2.0		
26	A	01.26 06.1	1.0				5.6	9.4		
	H	01.26 05.2	0.5				9.0	7.8	2.3	3.4
	Z	01.26 06.5	1.2				2.5	3.6		
26	A	01.56 18.8	1.1			-	1.4	4.2		
	H	01.56 17.7	0.7				4.4	4.1	4.1	3.1
	Z	01.56 19.1	1.3				1.0	0.8		
26	A	02.12 29.1	0.7				3.3	5.0		
	H	02.12 29.4	0.9			+	2.5	4.0	3.5	3.0
	Z	02.12 30.4	1.1				2.2	1.2		
26	A	02.22 19.8	1.0				2.0	4.1		
	H	02.22 19.1	0.6				6.0	4.9	3.5	3.1
	Z	02.22 20.5	1.3				1.5	1.2		
26	A	03.04 12.0	2.0			-	19.0	26.0		
	H	03.04 10.7	1.2			-	33.0	48.0	6.0	4.8
	Z	03.04 12.2	2.2					15.0		
26	A	03.11 44.6	1.7				0.8	1.6		
	H	03.11 43.5	1.2			-	5.3	5.4	7.1	3.2
	Z	03.11 45.0	1.9				1.4	1.5		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
26	A	04.49 06.9	1.3				0.8	2.2		
	H	04.49 05.8	0.8				3.2	2.3	4.8	2.
	Z	04.49 07.1	0.7				0.8	0.4		
26	A	07.48 38.8	0.9				1.2	1.6		
	H	07.48 38.2	0.7			-	3.2	2.9	1.6	2.
	Z	07.48 38.8	0.9				2.2	1.6		
26	A	10.44 52.0	1.1				0.8	1.2		
	H	10.44 52.1	1.0				0.5	0.6	5.1	2.
	Z	10.44 52.9	1.5				0.3	0.1		
26	A	10.53 48.3	1.4				0.6	1.0		
	H	10.53 47.1	1.0				0.8	1.3	5.8	2.
	Z	10.53 48.4	1.5				0.2	0.1		
26	A	12.16	1.6				0.4	1.3		
	H	12.16 41.3	1.3			-	3.1	3.3	7.6	3.
	Z	12.16 43.1	2.0				0.4	0.2		
26	A	15.17 47.9	0.9				2.0	1.0		
	H	15.17 47.3	0.6				0.5	0.9	2.9	2.
	Z	15.17 48.3	1.1				0.4	0.2		
26	A	16.01 12.0	1.0				0.8	0.4		
	H	16.01 11.5	0.8				1.5	1.1	2.5	2.
	Z	16.01 11.1	0.9				1.6	1.1		
26	A	16.24 36.0	1.1				1.5	1.3		
	H	16.24 35.8	0.8				8.0	6.0	4.6	3.
	Z	16.24 36.9	1.3				0.8	0.6		
26	A	16.56	1.1				0.5	0.6		
	H	16.56 51.5	1.5			-	1.4	2.0	6.2	2.
	Z	16.56 51.8	1.6				0.9	0.4		
26	A	18.30 37.3	1.6					0.4		
	H	18.30	1.0				0.9	0.4		2.
	Z	18.30 37.6	1.4				0.2			
26	A	19.25 10.3	1.4				0.4	1.0		
	H	19.25 09.4	1.0			+	0.5	1.6		2.
	Z	19.25	1.1				0.2	0.1		
26	A	20.34 42.3	1.4				0.2	0.8		
	H	20.34 41.3	0.7			-	2.4	2.6	3.9	2.
	Z	20.34 41.9	1.5				0.2			
27	A	10.01 49.5	1.5							
	H	10.01 50.8	1.7				1.0	1.2	3.7	2.
	Z	10.01 49.0	0.9				7.4	6.3		
27	A	10.47 59.2	1.9				0.7	2.6		
	H	10.47 58.3	1.2				5.4	3.4	5.6	3.
	Z	10.47 59.5	1.9				1.4	1.0		
27	A	11.24 23.1	1.7				0.9	2.7		
	H	11.24 21.7	1.1			+	5.8	3.3	5.4	3.
	Z	11.24 23.4	1.8			-	1.3	2.4		
27	A	13.06 11.4	0.9				0.7	1.1		
	H	13.06 11.3	1.0				0.4	0.9	4.3	2.
	Z	13.06 12.2	1.4				0.4	0.3		
27	A	13.24 38.0	1.1				0.8	0.8		
	H	13.24 37.6	0.9			-	3.0	2.8	3.5	2.
	Z	13.24 38.3	1.0				5.0	2.9		
27	A	13.53 48.6	0.9				0.9	0.9		
	H	13.53 49.9	1.5				0.2	0.2	4.1	1.
	Z	13.53 48 6	0.7				1.8	2.2		
27	A	14.31	1.0				1.1	1.8		
	H	14.31 24.9	1.1			-	1.1	1.0	2.4	2.
	Z	14.31 24.6	0.6			+	3.8	5.0		
27	A	17.50 01.8	1.1				8.0	6.4		
	H	17.50 01.0	1.1				23.0	28.0	5.7	4.
	Z	17.50 01.9	1.3			-		12.6		
27	A	17.51 28.1	1.2				0.8	2.3		
	H	17.51 27.2	0.8				6.2	5.1	2.9	3.
	Z	17.51 28.2	1.1				5.0	3.5		
27	A	18.17 25.1	0.4				8.1	15.0		
	H	18.17 25.8	1.0				1.2	1.2	2.3	2.
	Z	18.17 26.0	0.9			-	1.2	1.6		
27	A	19.29 00.8	1.0				0.6	1.4		
	H	19.29 00.0	0.5			-	1.2	0.9	2.0	2.
	Z	19.29 01.1	1.1				1.2	0.8		
28	A	03.51 55.8	0.7				1.0	1.0		
	H	03.51 55.3	0.6			-	4.5	6.4		2.
	Z	03.51 56.0	0.8				1.0	0.8		
28	A	04.02 20.9	1.2				1.8	3.9		
	H	04.02 20.0	0.6				10.6	9.4	3.3	3.
	Z	04.02 21.2	1.3				1.4	1.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
28	A	04.25 58.3	0.5				13.8	14.2		
	H	04.25 58.8	1.0				1.6	2.0	2.8	3.0
	Z	04.25 59.0	0.9				1.4	0.8		
28	A	05.56 13.1	0.9				0.6	0.4		
	H	05.56 13.9	1.5				0.4	0.4	4.6	2.0
	Z	05.56 12.7	0.8				1.9	2.9		
28	A	06.08 29.9	1.3				2.0	2.4		
	H	06.08 30.9	1.8				2.6	3.4	6.1	3.3
	Z	06.08 29.8	1.0					10.6		
28	A	08.11 11.0	1.1				0.7	0.8		
	H	08.11 10.8	1.0				1.0	0.8	4.9	2.3
	Z	08.11 10.8	1.1				3.2	2.1		
28	A	10.57 54.0	1.5				1.3	2.7		
	H	10.57 52.9	0.9				5.2	4.2	4.4	3.2
	Z	10.57 54.1	1.5				2.0	3.2		
28	A	15.30 58.4	0.9				0.6	0.6		
	H	15.30 58.2	1.0				1.3	1.0	4.0	2.3
	Z	15.30 58.1	0.9				6.0	2.4		
28	A	16.51 01.2	1.8				1.4	2.4		
	H	16.51 00.3	1.2	+			5.8	4.6	6.6	3.4
	Z	16.51 01.3	1.9	-			1.0	0.9		
28	A	17.04 56.7	0.7				1.1	0.9		
	H	17.04 56.6	0.7				1.0	1.4	1.0	2.1
	Z	17.04 56.8	0.7				0.6	0.6		
28	A	17.06 57.6	1.8				3.2	1.3		
	H	17.06 56.2	1.1	+			6.5	5.4	5.1	3.5
	Z	17.06 57.6	1.8				1.6	2.5		
28	A	17.26 36.7	1.8				5.9	8.7		
	H	17.26 35.5	1.3	+			10.8	13.6	7.8	4.1
	Z	17.26 37.0	1.9				3.2	2.8		
28	A	17.54 39.1	1.8				0.6	0.9		
	H	17.54 38.0	1.2				1.2	1.8	5.9	2.8
	Z	17.54 39.4	1.9				0.6	0.3		
28	A	20.03 11.5	1.9				0.6	1.0		
	H	20.03 12.2	2.5				1.0	0.8	10.7	3.0
	Z	20.03 11.5	2.2				1.6	3.8		
28	A	20.03 34.3	2.4				10.6	8.8		
	H	20.03 34.9	3.2				5.5	6.4	11.1	4.4
	Z	20.03 33.8	2.4					10.7		
28	A	20.46 22.2	1.7				0.3	0.8		
	H	20.46 20.7	1.1				1.9	1.3	5.8	2.7
	Z	20.46 22.3	1.8				0.6	0.2		
28	A	20.47 09.3	1.1				0.5	1.1		
	H	20.47 09.2	1.1				2.8	1.9	3.3	2.7
	Z	20.47 08.8	0.9	+			3.7	2.3		
28	A	21.24 05.2	0.5				1.6	1.6		
	H	21.24 06.1	1.0				0.6	0.7	2.1	2.1
	Z	21.24 05.3	0.6	-			3.6	3.6		
28	A	23.12 30.9	1.2				3.6	3.0		
	H	23.12 31.4	1.7				1.8	1.8	5.2	3.2
	Z	23.12	0.9					8.5		
29	A	17.46 22.6	1.0					0.4		
	H	17.46 22.9	1.1				0.4	0.4	5.6	1.8
	Z	17.46 23.7	1.4				0.2	0.2		
29	A	20.23 29.5	1.9				0.3	1.0		
	H	20.23 28.5	1.2	+			2.2	1.4	5.3	2.9
	Z	20.23 29.8	1.8				0.7	0.2		
29	A	20.28 06.2	1.0	+			1.4	2.9		
	H	20.28	1.0				4.0	4.0	4.1	3.0
	Z	20.28 06.3	1.0				2.0	2.0		
29	A	20.32 46.2	0.9				0.4	0.8		
	H	20.32 45.6	0.6	-			1.2	1.2	1.4	2.1
	Z	20.32 46.6	0.9	-			1.3	1.2		
29	A	22.13 27.9	1.0				0.9	1.2		
	H	22.13 27.7	0.8	-			2.8	2.6	3.4	2.6
	Z	22.13 28.0	1.0				2.0	1.0		
30	A	00.54 20.1	0.8				0.8	2.2		
	H	00.54 19.4	0.5	-			2.9	3.4	1.8	2.6
	Z	00.54 20.2	1.0				0.8			
30	A	04.11 22.0	1.5					1.8		
	H	04.11 21.4	1.0	+			1.7	3.0	3.2	3.0
	Z	04.11 22.9	1.3				0.6	0.2		
30	A	06.18 07.1	2.4				0.2	0.4		
	H	06.18	2.8				0.5	0.4	12.5	2.7
	Z	06.18 07.2	2.1				0.7	0.3		
30	A	11.06 15.6	1.5					1.2		
	H	11.06 15.0	0.9			+	2.0	2.7	1.7	2.8
	Z	11.06 15.6	1.3				0.7	0.7		
30	A	12.13 16.6	0.8				1.0	2.0		
	H	12.13 17.2	1.3				0.4	0.3	3.3	2.3
	Z	12.13 16.3	0.6				1.5	4.5		
30	A	12.44 54.7	1.0				0.8	0.8		
	H	12.44	0.9				1.7	1.9		2.4
	Z	12.44 54.3	0.7				3.9	2.6		
30	A	13.11 01.6	1.1				0.4	1.3		
	H	13.11 00.9	0.6				0.8	1.3	3.1	2.3
	Z	13.11 02.0	1.2				0.6	0.3		
30	A	15.25 49.1	1.0				0.3	1.3		
	H	15.25 48.7	0.6			+	1.9	1.4	1.7	2.4
	Z	15.25 49.7	1.0				0.6	0.3		
30	A	17.40 30.2	2.1				2.6	3.6		
	H	17.40 29.2	1.4				4.8	10.2	6.7	3.8
	Z	17.40 30.7	2.1			-	1.2	1.3		
30	A	18.12 07.5	1.5				0.8	1.4		
	H	18.12 06.7	1.0			+	2.4	2.3	5.2	2.8
	Z	18.12 08.0	1.5				0.7	0.6		
30	A	19.43 01.1	1.0				4.0	5.4		
	H	19.43 00.0	0.6				9.6	9.8	3.3	3.3
	Z	19.43 01.6	1.3			-	4.4	2.7		
30	A	20.18 16.1	1.0				7.5	7.8		
	H	20.18 15.9	0.7			-	8.8	8.6	1.9	3.4
	Z	20.18 16.6	1.0			-	4.1	3.6		
31	A	00.23 26.4	0.8				0.9	1.5		
	H	00.23 26.7	1.3				0.9	0.8	3.1	2.4
	Z	00.23 26.1	0.6					9.4		
31	A	01.35 50.6	1.1				1.3	1.4		
	H	01.35 50.5	1.3				1.8	3.2	5.6	2.9
	Z	01.35 50.4	1.0				4.2	3.2		
31	A	02.43 50.8	1.1				0.8	1.0		
	H	02.43 51.1	1.4				0.8	1.0	4.6	2.5
	Z	02.43 50.4	0.8					11.8		
31	A	04.33 56.7	0.8				1.8	2.4		
	H	04.33 57.3	1.2				2.5	2.2	3.5	2.9
	Z	04.33 56.5	0.7							
31	A	04.44 40.6	0.9				3.0	4.0		
	H	04.44 41.1	1.1				1.9	2.4	2.8	3.0
	Z	04.44 40.1	0.6							
31	A	07.09 37.1	0.6				1.0	1.7		
	H	07.09 37.9	1.2				0.3	0.6	2.9	2.3
	Z	07.09 37.4	0.6							
31	A	07.24 57.3	0.8				0.8	1.6		
	H	07.24 57.3	1.2				0.6	0.7	2.5	2.4
	Z	07.24 56.6	0.5							
31	A	14.33	1.9				0.2	0.6		
	H	14.33 12.1	1.4			-	3.3	4.8	7.9	3.1
	Z	14.33 13.9	2.1				0.3	0.2		
31	A	15.26 47.5	1.5				0.5	0.9		
	H	15.26 46.4	0.8			+	0.9	0.9	4.0	2.3
	Z	15.26 48.0	1.5				1.5	0.8		
31	A	16.38 06.1	1.1				0.4	1.5		
	H	16.38 05.1	0.6			+	1.3	2.1	2.9	2.5
	Z	16.38 06.4	1.2				1.0	0.9		
31	A	17.01 11.5	1.5				1.6	1.5		
	H	17.01 11.9	2.0				0.8	1.1	7.8	2.9
	Z	17.01 11.1	1.3				3.5	4.2		

1966 November

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
01	A	01.42 46.1	0.7				2.1	2.9		
	H	01.42 45.6	0.6				2.2	3.9	1.6	2.7
	Z	01.42 46.4	0.9			-	2.2	1.9		
01	A	02.08 57.8	0.3				3.0	5.2		
	H	02.08 58.4	1.0				0.9	0.8	1.4	2.4
	Z	02.08 58.5	0.6				0.7	0.8		
01	A	03.34 08.7	0.6				1.9	2.1		
	H	03.34 09.3	1.0				0.8	1.0	3.1	2.3
	Z	03.34 09.0	0.8			-	4.5	9.0		

Nov. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	08.04 03.3	1.0				0.4	0.7		
01	H	08.04 02.3	0.7				0.9	1.2	3.0	2.1
	Z	08.04 03.7	1.1				0.5	1.0		
	A	10.06 13.7	1.3				3.3	2.4		
01	H	10.06 13.0	0.8				6.8	7.3	4.1	3.3
	Z	10.06 13.5	1.3				2.8	3.1		
	A	15.35 39.0	1.2				0.4	1.0		
01	H	15.35 38.3	0.9				1.0	1.4	4.0	2.4
	Z	15.35 38.7	1.1				0.6			
	A	17.19 20.4	0.7				1.1	1.8		
01	H	17.19 21.1	1.1		+		0.9	0.7	3.0	2.4
	Z	17.19 20.2	0.7		-			4.5		
	A	21.25 16.5	0.5				3.0	5.0		
01	H	21.25 17.3	1.3				1.0	1.0	2.1	2.7
	Z	21.25 16.4	0.6		+					
	A	22.28 39.2	1.2				0.2	0.6		
01	H	22.28 38.3	0.8				1.1	2.0	3.7	2.4
	Z	22.28 39.1	1.2				0.3	0.6		
	A	23.22 36.3	1.0				1.0	0.4		
01	H	23.22 36.2	0.9				1.4	1.2	3.2	2.4
	Z	23.22 36.4	0.9				2.2	1.8		
	A	23.49 04.5	0.9					0.8		
01	H	23.49 04.0	0.7		+		1.5	1.6	3.4	2.2
	Z	23.49 05.0	1.3							
	A	23.52 05.5	1.2				1.2	1.1		
01	H	23.52 05.3	1.4				1.8	1.8	5.4	2.8
	Z	23.52 04.9	0.9					20.6		
	A	00.36 12.4	2.7				0.2	0.9		
02	H	00.36 11.5	2.0		+		2.3	2.0	11.6	3.2
	Z	00.36 13.0	2.7				0.5	0.2		
	A	01.05 55.9	0.8				0.4	0.7		
02	H	01.05 55.3	0.8				1.0	1.0	3.3	2.0
	Z	01.05 55.8	1.0				0.8	0.2		
	A	01.38 32.3	1.1				0.4	0.4		
02	H	01.38 32.2	1.3		-		0.4	0.4	3.7	1.9
	Z	01.38 31.6	0.8				2.0	5.2		
	A	03.28 44.4	0.8				0.2	1.2		
02	H	03.28 44.1	0.6				0.5	0.7	2.5	2.0
	Z	03.28 44.9	1.0				0.3			
	A	08.39 22.3	1.5				0.8	0.6		
02	H	08.39 22.9	1.8				0.6	0.4	7.9	2.5
	Z	08.39 22.1	1.3		+		1.9	3.3		
	A	12.43 58.0	1.0				1.2	1.9		
02	H	12.43 57.7	1.0		-		2.8	3.6	4.1	2.9
	Z	12.43 57.7	1.0		-		10.0	6.8		
	A	13.08 54.2	0.9				0.8	1.2		
02	H	13.08 53.8	0.6				1.2	2.4	3.4	2.5
	Z	13.08 54.9	1.2		-		0.7	0.2		
	A	13.21 13.4	1.4				0.2	0.4		
02	H	13.21 14.3	2.2				0.6	0.8	6.5	2.5
	Z	13.21 13.4	1.4				1.0	0.6		
	A	14.28 49.9	1.0				0.6	0.7		
02	H	14.28 49.9	1.0				0.3	0.3	1.9	1.9
	Z	14.28 51.5	0.7				0.2			
	A	21.46 34.0	1.1				4.0	2.1		
02	H	21.46 33.5	0.9				12.5	9.0	4.7	3.5
	Z	21.46 34.4	1.2				4.7	4.7		
	A	23.26 42.8	1.1				2.2	2.4		
02	H	23.26 42.5	1.1		-		4.8	3.0	4.6	3.1
	Z	23.26 42.8	1.0					5.6		
	A	23.44 48.7	1.8				0.6	1.4		
02	H	23.44 47.5	1.2		-		3.4	2.8	6.2	3.1
	Z	23.44 49.2	1.7		-		0.6	0.6		
	A	01.55 06.3	1.0				2.8	2.9		
03	H	01.55 05.4	1.0		-		6.0	7.2	4.3	3.2
	Z	01.55 06.4	1.0		-		17.5	11.6		
	A	01.56 32.0	1.0				0.9	0.8		
03	H	01.56 31.2	0.9				1.0	0.6	3.4	2.3
	Z	01.56 32.2	0.9		-		3.0	1.2		
	A	04.09 38.4	1.0		-		2.3	4.0		
03	H	04.09 38.0	1.1				3.3	3.7	5.1	3.1
	Z	04.09 39.4	1.4				2.9	2.5		
	A	04.10 17.0	0.9				2.4	0.6		
03	H	04.10 16.4	1.0				0.5	0.6	4.7	2.0
	Z	04.10 18.0	1.4				0.4	0.1		
	A	07.03 16.7	1.2				0.4	1.0		
03	H	07.03 15.7	0.8				0.5	0.9	3.7	2.
	Z	07.03 16.8	1.2				0.7	0.2		
	A	13.37 50.0	1.1				0.2	0.5		
03	H	13.37 49.6	0.7				1.0	1.4	2.6	2.
	Z	13.37 50.4	1.1				0.7	0.2		
	A	19.19 41.3	1.1				0.7	1.0		
03	H	19.19 41.8	1.4			-	0.4	0.6	4.7	2.
	Z	19.19 41.5	0.8				9.6	8.2		
	A	20.43 35.6	0.9				1.0	1.0		
03	H	20.43 36.3	1.5				2.4	1.4	4.2	2.
	Z	20.43 35.8	0.7					11.5		
	A	21.06 35.6	0.9				0.6	1.6		
03	H	21.06 35.3	0.7				2.4	2.6	1.9	2.
	Z	21.06 35.9	0.9					1.1		
	A	21.20 30.9	1.5				3.7	4.0		
03	H	21.20 30.2	1.1				2.8	3.6	6.4	3.
	Z	21.20 31.4	1.6					1.9		
	A	21.53 23.5	0.9				1.0	3.4		
03	H	21.53 22.8	0.6				2.3	1.5	2.4	2.
	Z	21.53 24.0	1.0					1.0		
	A	22.26 49.3	1.2				1.3	1.7		
03	H	22.26 49.3	1.1			-	2.6	2.9	3.2	2.
	Z	22.26 49.4	0.9							
	A	22.52 12.8	1.5				1.3	0.8		
03	H	22.52 13.2	1.9			+	0.8	0.9	7.4	2.
	Z	22.52 12.6	1.2					7.0		
	A	04.01 04.6	1.5				2.0	1.4		
04	H	04.01 04.0	1.0			+	1.7	2.0	5.7	2.
	Z	04.01 05.0	1.6				0.6	0.3		
	A	05.56 21.7	1.0				4.2	4.9		
04	H	05.56 21.5	0.9				8.4	9.6	3.0	3.
	Z	05.56 22.0	0.9				6.1	10.4		
	A	11.01 56.4	1.3			+	0.6	1.1		
11	H	11.01 55.7	0.9				2.3	3.5	4.1	2.
	Z	11.01 56.5	1.2				0.9	0.7		
	A	13.18 35.0	1.8				0.5	1.8		
04	H	13.18 33.8	1.1			+	3.2	2.5	5.7	3.
	Z	13.18 35.5	1.9				0.9	0.6		
	A	15.20 08.4	1.0				0.8	0.6		
04	H	15.20 08.1	0.8				0.7	1.3	2.0	2.
	Z	15.20 08.4	0.9				1.7	0.8		
	A	18.22 39.9	1.0				0.4	1.1		
04	H	18.22 39.7	0.7				1.2	1.0	1.3	2.
	Z	18.22 40.3	0.9				0.8	0.4		
	A	18.50 44.9	0.9				1.7	3.1		
04	H	18.50 45.6	1.3				1.0	0.7	4.0	2.
	Z	18.50 44.9	0.7			+		7.0		
	A	19.25 21.5	0.9				0.6	0.9		
04	H	19.25 21.7	1.1				4.0	4.2	3.8	2.
	Z	19.25 21.3	0.8			+	4.4	6.0		
	A	21.25 09.7	1.1				0.7	1.0		
04	H	21.25 09.9	1.1				1.2	1.1	5.5	2.
	Z	21.25 10.5	1.5				0.6	0.3		
	A	21.27 23.9	0.7				1.7	2.4		
04	H	21.27 24.9	1.2				1.0	0.8	3.3	2.
	Z	21.27 23.8	0.7				1.5	2.3		
	A	22.14 55.7	0.7				1.5	3.1		
04	H	22.14 56.7	1.3				1.2	0.8	2.8	2.
	Z	22.14 55.6	0.5					4.3		
	A	22.19 54.3	1.3				0.8	1.0		
04	H	22.19 55.2	2.1				0.9	1.0	5.6	2.
	Z	22.19 54.3	1.3			+	0.9			
	A	22.24 22.0	1.1				1.8	1.6		
04	H	22.24 22.1	1.1				1.7	2.4	5.9	2.
	Z	22.24 22.9	1.4			-	2.2	1.6		
	A	23.23 10.8	1.8				0.3	0.8		
04	H	23.23 09.9	1.1				1.7	2.0	6.2	2.
	Z	23.23 11.4	2.1				0.3	0.2		
	A	01.28 50.7	0.8				1.3	1.3		
05	H	01.28 50.8	0.8				4.4	5.8	2.5	2.
	Z	01.28 51.3	0.8			-	4.6	4.2		
	A	01.36 18.1	0.7				1.1	1.2		
05	H	01.36 19.0	1.3				0.8	0.8	3.7	2.
	Z	01.36 18.2	0.7					3.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
05	A	11.01 18.6	1.1				0.2	0.2		
	H	11.01 18.4	0.9			-	0.5	0.4	3.2	1.6
	Z	11.01 18.8	1.0				0.6	0.6		
05	A	11.07 28.4	1.5				0.5	0.7		
	H	11.07 29.2	2.0			-	0.8	0.4	5.6	2.6
	Z	11.07 28.5	1.0				1.3	2.9		
05	A	11.32 15.6	2.9				0.5	2.4		
	H	11.32 14.7	2.2				4.0	3.5	11.7	3.7
	Z	11.32 16.2	3.0				0.8			
05	A	12.48 35.4	1.2				0.3	1.0		
	H	12.48 34.2	1.2				0.8	0.4	6.5	2.4
	Z	12.48 35.9	1.4				0.2			
05	A	12.59 40.6	1.1				0.2	0.4		
	H	12.59 40.3	1.3				0.3	0.2	6.4	1.8
	Z	12.59 41.6	1.5				0.2			
05	A	16.49 24.2	1.8				0.2	0.4		
	H	16.49 23.0	1.1			+	2.3	1.6	3.0	2.6
	Z	16.49 24.7	1.7				0.4	0.2		
05	A	18.07 37.7	1.0				0.9	1.4		
	H	18.07 37.5	1.2			+	1.9	2.2	5.3	2.7
	Z	18.07 38.6	1.6				0.8	0.8		
06	A	02.43 31.3	2.8				0.4	2.1		
	H	02.43 30.5	2.2			+	3.4	2.4	13.5	3.6
	Z	02.43 32.2	2.8				0.8	1.0		
06	A	02.54 08.5	2.0				1.8	3.4		
	H	02.54 07.4	1.4			-	10.0	15.9	7.6	4.0
	Z	02.54 08.9	2.1				1.8	2.2		
06	A	05.54 33.6	3.0					0.7		
	H	05.54 32.8	2.2			+	0.8	1.1	9.0	3.1
	Z	05.54 34.6	3.0				0.4			
06	A	05.59 09.8	3.1				0.2	0.4		
	H	05.59 08.8	2.5			+	1.4	2.4	14.3	3.2
	Z	05.59 10.4	3.1				0.4			
06	A	06.41 05.3	3.1				1.0	1.8		
	H	06.41 04.2	2.3			+	3.0	3.6	9.3	3.6
	Z	06.41 05.9	3.1				0.8	0.5		
06	A	06.41 26.0	1.0				2.6	2.4		
	H	06.41 25.6	1.0			-	7.0	6.6	4.8	3.2
	Z	06.41 26.2	1.1				7.5	8.0		
06	A	08.55 05.6	1.0				1.5	1.3		
	H	08.55 05.3	0.9				1.0	0.9	3.2	2.4
	Z	08.55 05.7	0.9				3.7	4.2		
06	A	05.53 15.9	3.1					0.3		
	H	05.53 14.9	2.4				0.9	0.8	11.0	2.8
	Z	05.53 16.6	3.0				0.4			
06	A	10.51 15.4	1.0				0.8	0.6		
	H	10.51 17.3	1.5				0.7	0.4	4.8	2.3
	Z	10.51 15.5	0.8				1.9	2.2		
06	A	12.19 24.3	1.3				0.2	0.3		
	H	12.19 24.5	0.8				0.6	0.3	3.2	1.8
	Z	12.19 24.4	1.2				0.3	0.2		
06	A	13.16 58.6	3.2					0.3		
	H	13.16 58.7	2.4				0.7	0.9	10.8	2.8
	Z	13.16 59.3	3.1				0.4	0.1		
06	A	14.34 40.8	1.2				0.4	0.3		
	H	14.34 41.6	0.9				0.7	1.0	3.6	2.0
	Z	14.34 41.2	1.1				0.8	0.4		
06	A	14.44 46.5	1.3				2.3	2.0		
	H	14.44 48.5	2.1				3.0	4.8	5.8	3.4
	Z	14.44 46.8	1.3					13.9		
06	A	14.51 57.6	0.4				0.6	0.7		
	H	14.51 58.6	0.9				0.2	0.2	2.1	1.4
	Z	14.51 58.6	0.9				0.2			
06	A	15.19 29.4	0.5				2.6	3.8		
	H	15.19 29.8	0.9				0.3	0.4	2.4	2.1
	Z	15.19 30.4	0.9				0.2			
06	A	17.43 37.5	1.2				1.1	3.1		
	H	17.43 37.1	1.2				2.0	2.4	6.6	3.1
	Z	17.43 38.3	1.5				0.9	0.3		
06	A	17.44 08.4	1.2			-	2.2	3.4		
	H	17.44 08.5	1.3			+	4.4	5.0	6.7	3.4
	Z	17.44 09.3	1.5			-	2.6	2.0		
06	A	17.45 37.9	1.2				0.6	1.2		
	H	17.45 38.2	1.2			+	1.4	1.4	6.4	2.6
	Z	17.45 39.0	1.5				0.6	0.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
06	A	17.46 57.2	1.2				0.4	1.0		
	H	17.46 57.3	1.3				0.6	0.5	6.6	2.3
	Z	17.46 58.3	1.5				0.3	0.1		
06	A	18.08 43.3	1.2			-	0.5	1.0		
	H	18.08 43.1	1.2				0.8	0.8	6.4	2.4
	Z	18.08 44.2	1.4			-	0.5	0.2		
06	A	21.07 12.9	1.1				0.4	0.5		
	H	21.07 12.6	0.9				2.0	1.0	3.9	2.4
	Z	21.07 13.0	1.0				3.0	3.9		
06	A	21.22 43.5	1.0				0.2	0.5		
	H	21.22 43.2	0.7				0.6	0.6	1.4	1.8
	Z	21.22 43.9	0.9				0.8	0.2		
06	A	23.10 50.9	1.5				1.2	1.6		
	H	23.10 51.6	1.8				0.5	0.4	7.3	2.7
	Z	23.10 51.1	1.2				1.8	5.6		
06	A	23.27 21.5	1.1				1.4	3.1		
	H	23.27 20.8	0.6			+	8.7	6.9	2.9	3.2
	Z	23.27 22.2	1.2			-	3.9	3.4		
07	A	00.06 57.9	1.7				0.3	1.3		
	H	00.06 56.7	1.0			+	2.3	3.0	4.6	2.9
	Z	00.06 58.5	1.7				0.4	0.2		
07	A	01.27 29.4	1.0				0.4	1.6		
	H	01.27 28.8	0.4				1.6	1.4		2.3
	Z	01.27 30.2	1.1				0.7	0.2		
07	A	03.02 40.0	0.9				0.4	1.2		
	H	03.02 39.8	0.5				0.6	0.6	2.2	1.9
	Z	03.02 41.0	1.1				1.2	0.6		
07	A	05.09 20.9	1.2				0.9	1.7		
	H	05.09 21.1	1.2				1.8	2.0	6.4	2.9
	Z	05.09 22.1	1.6				0.7	0.7		
07	A	06.05 40.2	0.9				0.6	0.4		
	H	06.05 40.6	0.9				0.4	0.4	2.6	1.8
	Z	06.05 40.6	0.8				1.4	2.0		
07	A	13.37 52.6	0.6				3.0	5.2		
	H	13.37 53.2	1.4				0.5	0.6	2.6	2.6
	Z	13.37 53.4	0.7			-		5.8		
07	A	14.40 57.9	1.1				0.9	0.7		
	H	14.40 57.8	0.9			-	2.0	1.7	4.0	2.5
	Z	14.40 58.2	1.1				2.4	2.2		
07	A	15.02 27.3	1.1				7.7	10.7		
	H	15.02 27.3	1.2				14.0	16.3	5.8	3.9
	Z	15.02 28.6	1.5			-	14.0	9.6		
07	A	15.08	1.1				1.6	1.9		
	H	15.08 38.4	0.8			+	1.7	2.9	4.4	2.8
	Z	15.08 39.7	1.5				0.6	0.2		
07	A	15.16 10.8	1.5				2.3	1.4		
	H	15.16 10.2	1.1			+	7.1	3.8	6.0	3.3
	Z	15.16 11.2	1.5				2.8	1.3		
07	A	16.18 46.6	1.5				1.9	1.2		
	H	16.18 46.0	1.0			+	4.6	2.8	5.6	3.1
	Z	16.18 47.4	1.5				1.6	1.3		
07	A	17.12 03.8	1.4				0.4	0.6		
	H	17.12 03.6	1.5				0.7	0.7	4.4	2.4
	Z	17.12 03.1	0.9				1.8	2.0		
07	A	17.48 27.6	0.6				5.8	6.8		
	H	17.48 28.4	1.0				2.0	3.7	2.5	3.1
	Z	17.48 28.2	0.7			-	4.3	5.7		
07	A	18.58 08.3	1.0				2.0	3.4		
	H	18.58 09.0	1.5				2.4	3.2	3.3	3.2
	Z	18.58 07.7	0.6							
07	A	19.02 55.0	0.9				0.6	0.6		
	H	19.02 55.7	1.2				0.2	0.3	2.5	1.8
	Z	19.02 54.8	0.5				3.4	4.2		
07	A	19.04 05.2	1.0				0.4	0.7		
	H	19.04 05.8	1.4				0.4	0.6	2.6	2.2
	Z	19.04 04.7	0.5			-		6.9		
07	A	19.35 58.2	1.4				3.3	3.2		
	H	19.35 57.5	1.0				5.0	3.0	5.8	3.3
	Z	19.35 58.7	1.5				3.6	1.9		
07	A	19.49 33.0	0.9				0.7	1.2		
	H	19.49 32.6	0.6			-	1.6	2.6	2.4	2.5
	Z	19.49 33.5	1.0			-	1.2	1.3		
07	A	21.38 44.8	1.6				0.8	1.0		
	H	21.38 45.4	2.0				1.2	0.9	8.2	2.9
	Z	21.38 44.7	1.4			+	1.7	2.5		

Nov. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
08	A	00.05 56.8	0.9				1.3	2.1		
	H	00.05 56.3	0.6				2.6	3.0	1.9	2.7
	Z	00.05 57.2	1.0			-	1.8	2.6		
08	A	01.17 19.5	1.0				0.6	1.0		
	H	01.17 19.5	1.0				1.0	0.9	4.0	2.4
	Z	01.17 20.8	1.6				0.9	0.3		
08	A	01.29 25.1	1.3				0.6	1.2		
	H	01.29 24.4	0.8			+	1.8	1.8	4.2	2.6
	Z	01.29 25.6	1.4				1.7	0.9		
08	A	01.37 45.5	1.1				1.8	4.2		
	H	01.37 45.0	0.7				5.4	4.4	3.2	3.1
	Z	01.37 46.2	1.2			-	1.6	4.1		
08	A	01.46 21.5	0.9				2.0	4.7		
	H	01.46 20.9	0.6				5.2	3.7	2.7	3.0
	Z	01.46 21.7	1.1				1.4	1.9		
08	A	03.59 05.2	1.0				3.2	4.5		
	H	03.59 05.0	1.0				6.6	5.6	3.7	3.3
	Z	03.59 05.4	0.9					13.5		
08	A	03.59 36.4	1.0				0.8	1.0		
	H	03.59 36.3	0.9			-	2.4	1.4	2.9	2.6
	Z	03.59 36.7	0.9				2.4	1.6		
08	A	06.12 52.1	0.9				1.4	3.5		
	H	06.12 51.6	0.6				5.4	4.0	2.4	2.9
	Z	06.12 52.6	1.0			-	0.9	0.6		
08	A	08.56 51.7	0.8				0.4	1.5		
	H	08.56 51.0	0.5				0.6	0.6	1.8	1.9
	Z	08.56 52.1	1.0				0.3	0.1		
08	A	12.01 51.0	1.6				0.6	1.6		
	H	12.01 49.9	1.0			+	1.0	1.5	5.0	2.7
	Z	12.01 51.4	1.6				1.2	1.3		
08	A	12.15 39.9	1.1				0.4	1.0		
	H	12.15 39.7	1.2				0.4	0.4	5.7	2.2
	Z	12.15 40.9	1.6				0.3	0.2		
08	A	13.24 40.5	1.6				9.0	7.9		
	H	13.24 39.3	1.1			+	4.6	6.4	5.6	3.7
	Z	13.24 40.6	1.6				1.4	1.8		
08	A	14.15 09.0	1.0				0.2	0.4		
	H	14.15 08.2	0.6				0.3	0.3	3.3	1.5
	Z	14.15 09.2	1.2				0.2			
08	A	14.50 59.6	0.9				1.6	2.5		
	H	14.50 59.0	0.7			-	2.4	2.0	2.5	2.7
	Z	14.50 59.6	0.9				1.6	2.0		
08	A	16.36 05.6	1.1				0.4	1.3		
	H	16.36 04.8	0.7			+	1.5	2.2	2.8	2.6
	Z	16.36 05.6	1.1				0.8	0.8		
08	A	18.08 43.6	1.4				4.5	6.1		
	H	18.08 43.8	1.9			+	2.9	4.2	7.4	3.6
	Z	18.08 43.2	1.3			+	7.2			
08	A	18.09 25.4	1.4				7.1	6.0		
	H	18.09 26.0	2.1			-	5.7	8.4	6.1	3.9
	Z	18.09 25.1	1.2			-		21.6		
08	A	19.16 03.5	1.4				0.4	0.6		
	H	19.16 03.9	1.9				0.2	0.2	7.8	2.1
	Z	19.16 03.3	1.3				0.6	0.4		
08	A	19.41 29.4	1.1			+	1.2	2.0		
	H	19.41 29.1	1.0				3.4	3.2	3.4	2.9
	Z	19.41 29.2	0.9				5.9	7.9		
09	A	04.31 39.0	1.1				0.4	1.6		
	H	04.31 38.1	0.6			-	1.6	2.6	3.2	2.6
	Z	04.31 39.7	1.3				0.6	0.7		
09	A	04.34 36.4	1.1				0.6	3.4		
	H	04.34 35.7	0.5				5.2	5.0	2.3	3.0
	Z	04.34 36.9	1.2				0.9	1.2		
09	A	04.45 07.7	1.2				0.6	0.6		
	H	04.45 07.2	0.9				2.2	1.3	2.3	2.5
	Z	04.45 07.7	1.0			+	3.4	3.6		
09	A	05.07 24.8	1.2				0.8	1.3		
	H	05.07 25.3	1.1				1.0	1.6	6.1	2.7
	Z	05.07 26.1	1.5				1.0	0.7		
09	A	07.02 17.8	1.2				0.9	1.3		
	H	07.02 18.2	1.2				0.7	0.6	3.0	2.5
	Z	07.02 18.0	0.8				5.9	5.7		
09	A	07.06 12.7	0.7				1.6	1.5		
	H	07.06 12.5	0.8			-	2.5	3.0	2.7	2.6
	Z	07.06 12.7	0.8			-	4.4	8.0		
09	A	09.08 30.0	0.9				0.5	0.6		
	H	09.08 29.5	0.9				1.1	1.0	3.5	2
	Z	09.08 29.8	0.9				1.6	1.5		
09	A	09.08 32.5	0.9				1.2	1.0		
	H	09.08 32.1	0.8				2.2	2.1	2.5	2
	Z	09.08 32.3	0.9				3.6	3.9		
09	A	09.12 26.5	0.8				1.0	2.2		
	H	09.12 26.2	0.5			-	5.0	4.2	0.8	2
	Z	09.12 26.9	0.9			-	0.9	0.6		
09	A	09.17 43.5	2.2				3.1	7.2		
	H	09.17 42.3	1.7				12.0	8.4	9.6	4
	Z	09.17 43.9	2.2				2.4	3.6		
09	A	11.18 09.4	0.8				0.9	1.0		
	H	11.18 09.0	0.7				1.4	1.8	1.2	2
	Z	11.18 09.2	0.8			-	3.0	2.3		
09	A	11.28 47.4	1.1				0.9	1.4		
	H	11.28 47.2	1.0					2.1	5.3	2
	Z	11.28 48.0	1.6				0.8	0.7		
09	A	12.18 59.6	2.7				0.8	1.0		
	H	12.18 58.5	2.4			+		3.7	14.1	3
	Z	12.19 00.0	2.7				0.3	0.1		
09	A	12.57 41.9	1.0				1.1	0.9		
	H	12.57 41.8	0.9					1.8	2.4	2
	Z	12.57 41.9	0.9				4.8	2.7		
09	A	19.16 41.8	1.1				1.9	2.0		
	H	19.16 41.0	0.9				5.0	3.4	3.3	3
	Z	19.16 42.4	1.0				3.3	2.8		
10	A	00.30 55.4	1.2				0.5	0.3		
	H	00.30 56.1	1.8				0.2	0.2	5.9	1
	Z	00.30 55.1	1.0			-	1.8	2.6		
10	A	01.17 50.9	1.0				0.3	0.6		
	H	01.17 50.1	0.8				1.3	1.1	2.6	2
	Z	01.17 50.7	0.9				1.1	0.3		
10	A	05.39 37.5	0.8				0.6	0.7		
	H	05.39 38.3	1.2				0.5	0.4	2.6	2
	Z	05.39 37.5	0.5					9.6		
10	A	11.08 56.7	1.0				1.6	1.7		
	H	11.08 56.5	1.0				1.7	1.8	3.9	2
	Z	11.08 56.5	0.9				4.8	3.3		
10	A	11.57 34.3	1.1				2.6	3.3		
	H	11.57 34.4	1.1				3.4	3.3	4.5	3
	Z	11.57 34.5	1.0			+		9.2		
10	A	13.07 31.6	1.0				0.7	1.0		
	H	13.07 30.8	0.5			+	3.0	4.6	2.8	2
	Z	13.07 32.1	1.3				0.9	0.3		
10	A	13.41 58.3	1.0				2.2	2.6		
	H	13.41 57.2	1.1			+	4.4	4.1	3.8	3
	Z	13.41 57.2	0.9				6.8	4.8		
10	A	15.19 08.5	0.8				0.8	0.7		
	H	15.19 09.0	1.5				0.3	0.3	2.9	2
	Z	15.19 08.1	0.5				3.4	3.5		
10	A	15.57 26.0	0.7				2.8	2.6		
	H	15.57 25.6	1.2				0.8	1.0	2.7	2
	Z	15.57 25.5	0.5							
10	A	16.22 41.3	1.3				4.7	2.1		
	H	16.22 40.7	1.0				7.6	5.3	4.8	3
	Z	16.22 41.4	1.3				3.2	5.3		
10	A	18.56 30.9	1.0				0.7	0.6		
	H	18.56 30.3	0.8				1.4	1.7	1.4	2
	Z	18.56 30.7	0.9				1.2	1.0		
10	A	21.32 21.8	0.5				2.1	1.4		
	H	21.32 22.4	1.3				1.0	1.0	2.5	2
	Z	21.32 22.0	0.7			-	2.2	3.4		
11	A	00.12 26.8	1.3				0.4	0.4		
	H	00.12 25.6	0.8				1.0	0.4	4.0	2
	Z	00.12 27.0	1.4				0.6	0.1		
11	A	00.34 32.5	1.3				0.9	0.8		
	H	00.34 32.4	0.8				0.6	0.4	3.5	2
	Z	00.34	1.3				0.7	0.4		
11	A	00.45 14.9	1.3				1.0	1.8		
	H	00.45 14.0	0.7				1.4	1.3	3.5	2
	Z	00.45 15.3	1.4				1.2	0.6		
11	A	00.45 36.9	1.3				0.5	1.4		
	H	00.45 35.9	0.7				0.4	0.4	1.4	2
	Z	00.45 37.6	1.2				2.7	0.4		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
11	A	01.08 33.6	1.0				0.8	0.7		
	H	01.08 33.5	0.9				0.8	0.8	3.3	2.2
	Z	01.08 33.6	0.9				2.5	1.5		
11	A	05.42 56.7	0.6				2.9	6.2		
	H	05.42 56.9	1.0				1.2	1.2	3.5	2.7
	Z	05.42 57.2	1.0				1.0	0.7		
11	A	06.03 44.0	1.5				6.7	4.2		
	H	06.03 43.1	1.1			+	3.4	4.6	6.3	3.6
	Z	06.03 44.3	1.6				1.1	2.3		
11	A	08.33 07.5	1.1				6.1	7.3		
	H	08.33 06.7	0.9			-	12.1	8.3	3.5	3.7
	Z	08.33 07.4	1.0				10.2	5.6		
11	A	09.55 16.2	1.2				0.8	0.3		
	H	09.55 15.5	0.9			+	1.0	1.6	3.8	2.4
	Z	09.55 16.3	1.2				0.6	0.2		
11	A	11.25 10.9	2.0				0.3	0.6		
	H	11.25 12.1	2.7			+	0.9	0.6	10.0	2.9
	Z	11.25 10.6	1.9				1.0	1.6		
11	A	13.54 55.6	1.2				0.3	0.8		
	H	13.54 54.6	0.7			-	3.8	2.7	3.7	2.6
	Z	13.54 56.1	1.4				0.2			
11	A	14.36 30.8	0.8				0.6	0.2		
	H	14.36 30.7	0.7			+	1.8	2.7	2.0	2.2
	Z	14.36 30.8	0.8			-	2.5	3.8		
11	A	14.46 13.9	0.8				0.7	0.6		
	H	14.46 13.6	0.7			-	0.8	0.9	1.4	1.9
	Z	14.46 13.9	0.8			-	2.0	1.6		
11	A	16.13 27.7	0.6				16.8	16.8		
	H	16.13 28.7	1.1				1.0	1.2	3.5	3.1
	Z	16.13 28.4	0.9							
11	A	17.26 47.0	1.3				0.5	1.2		
	H	17.26 46.5	0.9				1.2	1.6	3.5	2.6
	Z	17.26 46.9	1.2				0.7	0.6		
11	A	19.21 14.2	0.7				0.7	1.3		
	H	19.21 15.0	1.5				0.2		3.0	1.9
	Z	19.21 14.2	0.7			+	2.9	2.2		
11	A	23.03 00.3	1.2				3.0	7.4		
	H	23.03 00.4	0.6			-	6.4	8.0	3.0	3.4
	Z	23.03 00.8	1.3			-		8.2		
11	A	23.48 41.5	1.1				0.5	0.5		
	H	23.48 42.7	1.8				0.8	0.5	5.2	2.3
	Z	23.48 41.6	0.9				1.4	3.6		
12	A	00.04 16.5	1.8				10.7	13.0		
	H	00.04 15.7	1.1			+	20.2	15.8	6.2	4.3
	Z	00.04 16.9	1.9			-	7.3	12.7		
12	A	04.53 27.3	1.3				0.4	0.4		
	H	04.53 26.8	0.8				0.6	0.5	2.3	1.9
	Z	04.53 27.5	1.2				0.6	0.6		
12	A	12.00 52.2	1.1				0.4	0.5		
	H	12.00 52.0	1.0			-	1.6	1.4	4.0	2.3
	Z	12.00 52.2	1.0				2.2			
12	A	12.50 10.0	1.0				1.2	0.5		
	H	12.50 09.8	0.8				1.7	1.8	2.1	2.4
	Z	12.50 09.9	0.9				4.4			
12	A	20.55 27.2	1.4				1.3	2.8		
	H	20.55 26.3	0.8			+	4.2	3.0	3.8	3.1
	Z	20.55 27.4	1.4			-				
13	A	02.07 05.4	1.2				0.2	0.5		
	H	02.07 04.8	0.9			+	1.2	1.4	3.9	2.2
	Z	02.07 05.5	1.1				0.6			
13	A	02.57 53.1	1.2				0.8	1.0		
	H	02.57 53.5	1.4				0.9	1.2	4.2	2.6
	Z	02.57 52.6	0.8			+				
13	A	03.00 04.7	1.1			+	0.8	1.6		
	H	03.00 05.0	1.5				1.4	1.8	5.4	2.8
	Z	03.00 04.1	0.9							
13	A	04.15 40.6	1.1				1.1	2.8		
	H	04.15 39.8	0.8			-	3.4	3.4	4.0	3.0
	Z	04.15 40.5	1.1			-	2.0			
13	A	04.59 18.6	1.0				1.0	3.2		
	H	04.59 18.3	0.5			+	8.8	12.0	2.7	3.2
	Z	04.59 19.2	1.2			-	1.7			
13	A	07.58 57.6	1.0				0.6	1.9		
	H	07.58 56.9	0.6				1.0	1.8	2.9	2.5
	Z	07.58 58.0	1.2				1.3			
13	A	09.47 42.0	1.1			+	3.4	6.6		
	H	09.47 42.4	1.3			-	7.8	6.8	4.6	3.6
	Z	09.47 41.9	0.9			+				
13	A	10.10 47.3	0.5				3.6	3.4		
	H	10.10 47.9	1.1				3.2	3.2	1.5	2.9
	Z	10.10 47.2	0.5			-				
13	A	12.21 25.3	1.6				0.2	0.5		
	H	12.21 26.0	2.5				0.4	0.3	6.2	2.4
	Z	12.21 24.9	1.6			-				
13	A	13.39 39.5	1.2				0.6	0.6		
	H	13.39 39.4	1.7				0.3	0.1	5.8	2.1
	Z	13.39 38.5	0.9				3.3	1.8		
13	A	13.44 15.9	0.5			+	26.9	13.1		
	H	13.44 16.0	0.9			+	4.8	3.6	2.6	3.5
	Z	13.44 16.5	0.9			-	12.0	17.5		
13	A	13.48 16.4	1.3				0.2	0.5		
	H	13.48 16.6	1.7				0.3	0.2	5.2	2.1
	Z	13.48 15.6	0.9				2.7	3.1		
13	A	17.51 28.6	1.5				0.6	0.4		
	H	17.51 29.4	1.8				0.3	0.2	8.0	2.2
	Z	17.51 28.3	1.3				1.2	1.3		
13	A	18.02 03.7	0.9				0.4	0.4		
	H	18.02 03.3	0.7				0.4	0.3	2.0	1.5
	Z	18.02 03.7	0.9				0.8	1.0		
13	A	18.06 33.0	0.8				0.6	0.6		
	H	18.06 34.1	1.5				0.4	0.2	3.5	2.0
	Z	18.06 32.9	0.7				2.9	3.2		
13	A	21.08 37.2	1.3			+	2.1	6.6		
	H	21.08 36.5	0.9			+	9.0	6.3	3.2	3.6
	Z	21.08 37.2	1.2				3.6	6.6		
13	A	21.48 15.6	1.2				0.8	2.0		
	H	21.48 15.2	0.8			+	3.9	4.0	3.6	2.9
	Z	21.48 15.5	1.1				2.0	2.7		
13	A	21.50 46.8	1.2				0.5	1.0		
	H	21.50 46.2	0.8			+	1.4	2.3	2.1	2.5
	Z	21.50 47.0	1.0				1.1	1.5		
14	A	00.20 38.2	1.1				0.4	0.6		
	H	00.20 37.2	0.6				1.6	1.6	2.8	2.1
	Z	00.20 38.5	1.2				0.4	0.3		
14	A	01.18 21.4	0.9				0.3	0.3		
	H	01.18 22.1	1.7				0.3	0.4	4.4	1.9
	Z	01.18 20.9	1.2				0.6	1.0		
14	A	02.52 56.9	1.1				2.2	3.7		
	H	02.52 56.5	0.9				10.2	6.8	3.4	3.4
	Z	02.52 56.7	1.0				10.6	7.7		
14	A	03.48 44.5	0.8				1.3	4.6		
	H	03.48 44.2	0.8			+	4.1	4.6	3.6	3.0
	Z	03.48 44.9	1.0			-	2.5	2.6		
14	A	04.04 03.2	0.8				2.2	2.3		
	H	04.04 03.9	1.2				0.4	0.4	3.4	2.3
	Z	04.04 03.0	0.7				5.0	3.8		
14	A	04.44 20.3	1.0				1.2	4.9		
	H	04.44 19.4	0.7				4.1	6.1	3.6	3.2
	Z	04.44 20.6	1.1				3.0	3.0		
14	A	07.29 16.1	1.3				0.5	0.4		
	H	07.29 15.2	0.8				0.6	0.4	1.6	1.9
	Z	07.29 16.5	1.2				0.4	0.2		
14	A	15.50 15.8	1.6				1.6	4.1		
	H	15.50 16.6	1.3			-	1.9	2.0	3.8	3.0
	Z	15.50 16.2	0.7			+	29.0			
14	A	17.56 13.4	0.8				0.6	0.8		
	H	17.56 13.6	0.7				1.3	2.3	1.2	2.3
	Z	17.56 13.4	0.8			-	4.0	3.7		
14	A	20.20 06.7	1.5				0.2	0.3		
	H	20.20	0.7				0.4	0.3	3.7	1.7
	Z	20.20 06.3	1.7				1.0	1.4		
14	A	20.52 47.3	0.6				1.7	2.2		
	H	20.52 48.5	1.0				1.0	2.0	3.0	2.6
	Z	20.52 47.3	0.7				6.0	2.6		
14	A	21.04 16.6	0.9				0.6	1.0		
	H	21.04 17.0	1.0				0.4	0.7	3.6	2.2
	Z	21.04 16.1	0.8				2.5	3.4		
14	A	23.26 24.8	0.7				0.8	2.8		
	H	23.26 25.0	0.6			-	2.3	2.6		2.6
	Z	23.26 25.1	1.0				1.3	1.0		

Nov. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
15	A	01.04 08.4	1.1				0.2	0.6		
	H	01.04 08.6	0.9				2.5	2.3	3.5	2.5
	Z	01.04 08.3	1.0				4.2	4.5		
15	A	01.06 16.5	1.2				1.6	1.4		
	H	01.06 16.6	1.0			-	5.1	4.0	3.0	3.0
	Z	01.06 16.3	1.0				4.4	4.7		
15	A	01.56 59.9	0.8				1.0	1.7		
	H	01.57 01.3	1.3				1.6	2.2	3.3	2.7
	Z	01.56 59.8	0.6				2.7	5.6		
15	A	02.03 21.7	1.0				0.5	1.0		
	H	02.03 22.1	1.2				0.8	1.2	5.4	2.5
	Z	02.03 22.4	1.5				0.5	0.4		
15	A	02.08 08.3	0.7				1.8	1.5		
	H	02.08 09.6	1.2				1.0	1.0	3.2	2.5
	Z	02.08 08.1	0.6			+	4.4	5.6		
15	A	02.14 06.7	1.2			-	1.3	4.0		
	H	02.14 07.2	1.2				4.3	3.8	6.6	3.3
	Z	02.14 07.4	1.6				1.2	1.4		
15	A	02.21 12.5	0.7				0.7	1.1		
	H	02.21 13.9	1.4				0.6	0.8	3.3	2.3
	Z	02.21 12.4	0.7				4.0	2.0		
15	A	04.04 58.7	1.0				1.6	4.4		
	H	04.04 59.2	0.7				10.5	10.1	2.1	3.3
	Z	04.04 58.8	1.0				4.0	3.6		
15	A	07.55 36.5	0.9				0.4	0.8		
	H	07.55 37.0	1.0				0.4	0.5	2.7	2.0
	Z	07.55 36.2	0.7				2.4	2.2		
15	A	09.01 52.7	1.0				0.6	1.8		
	H	09.01 52.7	1.0				3.6	6.1	4.5	3.0
	Z	09.01 53.6	1.6				1.1	1.8		
15	A	10.25 30.8	1.0				1.5	1.8		
	H	10.25 30.4	1.1				1.0	1.8	4.4	2.7
	Z	10.25 30.8	1.0				3.9	6.6		
15	A	17.52 35.8	1.1			-	3.4	3.0		
	H	17.52 36.1	1.2				3.0	2.6	6.3	3.1
	Z	17.52 36.8	1.5			-	3.6	3.6		
15	A	18.34 25.7	1.1				1.4	0.8		
	H	18.34 26.2	1.1				1.2	1.0	5.7	2.6
	Z	18.34 26.8	1.5				0.6	0.6		
15	A	18.38 09.4	1.5				1.0	0.9		
	H	18.38 08.9	1.0			+	3.2	1.6	5.9	2.8
	Z	18.38 09.7	1.6				1.0	0.8		
15	A	18.58 02.5	1.8				1.6	2.2		
	H	18.58 01.4	1.2				4.6	2.5	4.2	3.3
	Z	18.58 02.7	1.7				1.3	2.6		
15	A	20.14 51.0	1.1			-	0.8	0.7		
	H	20.14 51.7	0.8				0.6	0.8	4.8	2.2
	Z	20.14 51.8	1.5				0.6	0.6		
16	A	00.06 19.2	1.1				0.8	1.0		
	H	00.06 19.1	1.0				1.6	0.7	3.7	2.5
	Z	00.06 19.1	1.0				6.6	3.6		
16	A	02.50 36.0	1.0				1.2	1.2		
	H	02.50 35.4	0.7			-	2.5	2.4	2.0	2.1
	Z	02.50 35.9	0.9				2.6	1.6		
16	A	05.21 21.9	1.2				0.3	0.8		
	H	05.21 20.4	0.7				1.5	1.4	3.9	2.3
	Z	05.21 21.9	1.3				0.4	0.4		
16	A	06.48 51.4	0.6				2.8	3.4		
	H	06.48 51.4	0.9			+	1.0	1.2	3.0	2.5
	Z	06.48	1.0				1.2	1.0		
16	A	08.02 18.2	1.1				12.0	19.6		
	H	08.02 17.5	0.9			+	16.8		4.9	4.2
	Z	08.02 18.4	1.4			-	20.6			
16	A	08.04 34.4	1.0					1.0		
	H	08.04 33.9	0.6				0.4	0.5	2.8	1.9
	Z	08.04 34.7	1.1				0.4	0.3		
16	A	08.05 38.6	1.0				0.2	1.1		
	H	08.05 37.5	0.6			+	0.8	1.5	2.8	2.3
	Z	08.05 38.6	1.2				0.6	0.4		
16	A	08.06 32.7	1.1				0.5	1.0		
	H	08.06 31.7	0.6			-	1.1	1.4	2.3	2.3
	Z	08.06 32.7	1.1				1.0	0.4		
16	A	08.25 43.6	1.0				1.0	4.2		
	H	08.25 42.7	0.7			+	2.3	4.5	3.8	3.1
	Z	08.25 43.7	1.2			-	2.3	2.9		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
16	A	09.28 39.8	1.5				1.3	3.2		
	H	09.28 39.0	0.9				2.6	3.4	3.8	3.1
	Z	09.28 39.7	1.4				2.7	2.6		
16	A	11.32 23.3	1.1				0.2	1.3		
	H	11.32 22.8	0.4				1.6	1.4	2.2	2.0
	Z	11.32 23.7	1.3				0.6	0.9		
16	A	13.53 34.2	1.1				0.4	0.6		
	H	13.53 34.8	1.1				0.7	0.7	5.2	2.6
	Z	13.53 35.4	1.6				0.9	0.8		
16	A	14.15 25.9	1.7				0.5	0.6		
	H	14.15 24.9	1.1				1.4	0.7	3.1	2.2
	Z	14.15	1.5				0.4	0.7		
16	A	14.52 31.6	0.9				0.6	1.1		
	H	14.52 30.8	0.6				1.6	1.3	3.4	2.4
	Z	14.52 32.0	1.3				0.4	0.4		
16	A	23.30 12.4	1.5				0.6	0.5		
	H	23.30 12.9	1.9				0.2	0.2	7.9	2.6
	Z	23.30 12.2	1.3				1.1	2.5		
17	A	05.55 27.1	1.0				0.2	0.4		
	H	05.55 26.0	0.9				1.2	1.9	4.5	2.9
	Z	05.55 27.0	1.2				0.9	0.8		
17	A	05.56 04.2	1.4			+	26.0	13.4		
	H	05.56 03.5	1.2			+	12.8		6.2	4.2
	Z	05.56 04.3	1.4				14.6			
17	A	05.57 46.3	1.3				0.2	1.0		
	H	05.57 45.5	0.9			+	1.0	1.3	4.1	2.7
	Z	05.57 46.2	1.3				1.4	1.0		
17	A	06.57 28.8	1.4				16.0	7.9		
	H	06.57 27.4	1.4				5.6	5.8	7.1	4.2
	Z	06.57 28.6	1.3			-	11.3			
17	A	07.27 12.0	1.0				0.9	1.2		
	H	07.27 11.7	0.9				2.2	2.3	2.9	2.5
	Z	07.27 11.8	0.9				5.4	5.2		
17	A	10.20 06.5	1.0				0.3	0.8		
	H	10.20 06.6	1.2				0.6	0.4	2.4	2.2
	Z	10.20 05.8	0.6				4.0	7.2		
17	A	18.27 22.5	0.9				1.0	0.7		
	H	18.27 22.3	0.9				1.0	1.6	3.1	2.4
	Z	18.27 22.4	0.8			-	3.1	2.6		
17	A	19.34 44.9	1.1				3.3	10.4		
	H	19.34 44.2	0.6			+	5.3	4.4	3.0	3.1
	Z	19.34 45.2	1.2				2.8	5.8		
17	A	21.41 22.8	1.3				2.4	1.8		
	H	21.41 23.9	2.1				1.3	1.4	6.4	3.1
	Z	21.41 22.8	1.4				1.7	4.6		
17	A	22.08 18.8	1.3				0.3	1.8		
	H	22.08 18.1	0.8				1.9	2.4	3.8	2.8
	Z	22.08 19.2	1.4				1.2	2.0		
18	A	04.20 33.7	1.0				0.4	1.7		
	H	04.20 34.3	1.2				0.8	0.7	3.4	2.5
	Z	04.20 33.2	0.7				7.5			
18	A	06.12 38.1	0.9				0.6	0.7		
	H	06.12 37.9	0.9				3.6	6.0	2.8	2.1
	Z	06.12 38.0	0.8			-	4.2	3.8		
18	A	07.20 13.5	1.1			+	1.0	1.0		
	H	07.20 13.2	0.9			-	4.1	3.4	3.4	2.8
	Z	07.20 13.4	1.0			+	6.3	8.0		
18	A	08.49 41.6	1.4				1.8	2.9		
	H	08.49 40.9	0.9			+	8.3	5.7	2.8	3.3
	Z	08.49 41.8	1.3				2.4	2.7		
18	A	10.09 29.0	1.9				0.2	1.0		
	H	10.09 28.0	1.5			-	1.6	1.7	8.5	2.9
	Z	10.09 29.6	2.0				0.4	0.2		
18	A	18.30 23.7	1.0			+	0.4	0.7		
	H	18.30 23.6	1.0			-	1.4	1.0	3.1	2.1
	Z	18.30 23.8	0.8			-	3.8	0.8		
18	A	19.19 53.7	1.0				0.6	1.2		
	H	19.19 54.3	1.7			-	0.4	0.7	3.5	2.5
	Z	19.19 53.6	0.7				1.4	3.6		
18	A	21.54 30.1	1.0				0.2	0.6		
	H	21.54 28.8	0.6			-	2.3	1.4	3.2	2.3
	Z	21.54 30.3	1.4				0.3	0.2		
18	A	23.05 31.6	1.1				0.2	0.3		
	H	23.05 31.2	0.8			-	0.6	0.4	3.0	1.7
	Z	23.05 31.7	1.0				0.8	0.8		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
19	A	00.59 07.8	1.6				0.1	0.6		
	H	00.59 06.8	0.9			+	1.0	1.2	4.3	2.4
	Z	00.59 08.0	1.6				0.6	0.3		
19	A	02.15 19.2	2.2			-	1.3	1.4		
	H	02.15 19.8	3.1			-	1.4	1.5	9.3	3.3
	Z	02.15 18.6	2.2				2.9	4.7		
19	A	05.10 47.6	1.1			-	0.8	3.9		
	H	05.10 47.9	1.2			+	3.4	2.8	5.5	3.2
	Z	05.10 48.5	1.6			-	1.0	2.2		
19	A	20.12 23.2	1.3				0.8	0.7		
	H	20.12 22.4	0.6			-	6.0	4.0	2.1	2.7
	Z	20.12 23.8	1.4			-	0.3	0.7		
19	A	22.36 00.4	0.9			-	1.2	1.5		
	H	22.36 00.2	0.9			+	0.6	1.6	4.3	2.5
	Z	22.36 01.0	1.3			-	0.3	0.4		
20	A	00.07 32.8	1.5				0.4	0.4		
	H	00.07 33.6	1.8				0.1		7.6	1.8
	Z	00.07 32.8	1.3			+	0.9	4.0		
20	A	04.20 32.3	1.2			+	0.4	0.3		
	H	04.20 32.5	1.3				0.3	0.3	3.2	1.9
	Z	04.20 31.6	0.7				2.2	2.6		
20	A	06.27 12.8	1.0				0.4	0.6		
	H	06.27 12.7	0.4				1.2	1.7	2.1	1.9
	Z	06.27 13.1	1.3				0.4	0.5		
20	A	06.58 17.7	1.1				0.3	0.5		
	H	06.58 17.0	0.6			+	2.5	2.6	2.9	2.3
	Z	06.58 18.1	1.2			-	0.4	0.4		
20	A	09.03 25.8	1.2				1.3	2.1		
	H	09.03 25.8	0.7			+	3.0	2.7	3.7	2.8
	Z	09.03 25.9	1.4			-	0.8	1.4		
20	A	10.34 04.7	0.9			+	1.6	1.8		
	H	10.34 04.5	0.8				1.5	1.8	2.7	2.5
	Z	10.34 04.4	0.9				1.8	2.0		
20	A	14.55 19.3	2.2				0.8	0.6		
	H	14.55 20.1	3.1				0.8	0.4	8.4	3.0
	Z	14.55 18.9	2.2				1.4	5.7		
20	A	15.19 47.3	0.9				0.5	0.4		
	H	15.19 47.0	0.8				0.4	0.4	2.3	1.7
	Z	15.19 47.1	0.8				1.0	0.8		
20	A	17.23 08.1	0.8				23.2	21.6		
	H	17.23 07.2	1.0				17.4	15.8	4.4	4.1
	Z	17.23 08.1	1.2			-	14.6	16.0		
20	A	17.24 42.9	1.1				0.5	1.2		
	H	17.24 42.0	0.5				0.8	1.6	1.3	2.3
	Z	17.24 42.8	1.1				0.8	0.3		
20	A	17.27 52.5	1.1				4.3	7.7		
	H	17.27 51.7	0.6				9.6	9.2	3.4	3.4
	Z	17.27 52.8	1.3			-	2.1	1.6		
20	A	17.28 06.7	1.0				1.3	2.6		
	H	17.28 05.9	0.4				2.0	2.2	1.3	2.4
	Z	17.28 06.7	1.2				1.4	1.4		
20	A	17.29 44.6	1.0				0.5	1.5		
	H	17.29 43.9	0.5				2.2	2.0	2.6	2.4
	Z	17.29 44.7	1.3				0.5	0.4		
20	A	19.24 13.7	1.0				3.5	6.4		
	H	19.24 14.4	1.5			+	3.4	3.4	5.6	3.4
	Z	19.24 13.6	1.0				5.9	4.2		
20	A	19.28 59.6	1.0				0.4	1.1		
	H	19.28 58.5	0.5				1.2	1.2	2.6	2.2
	Z	19.28 59.7	1.2				0.3	0.1		
20	A	20.47 17.3	1.1				0.2	0.6		
	H	20.47 16.6					0.7	0.1		1.9
	Z	20.47 17.4	1.0				0.5			
20	A	21.04 23.4	1.0				1.4	1.8		
	H	21.04 23.0	0.9				2.9	1.9	2.3	2.8
	Z	21.04 23.0	0.8			-	5.6			
20	A	21.20 33.9	2.0				1.3	1.8		
	H	21.20 32.8	1.5			-	6.9	7.8	8.2	3.5
	Z	21.20 34.1	2.1				0.8	1.3		
21	A	00.41 21.0	1.1				0.4	1.6		
	H	00.41 20.2	0.5			+	2.8	3.9	2.4	2.6
	Z	00.41 21.5	1.2				0.2	0.4		
21	A	01.04 11.6	1.1				0.8	2.6		
	H	01.04 10.7	0.5			+	4.2	4.3	2.1	2.8
	Z	01.04 11.8	1.2				0.9	1.2		
21	A	01.43 13.3	1.1			-	1.4	3.6		
	H	01.43 12.3	0.6				3.3	2.8	3.0	2.9
	Z	01.43 13.5	1.2				1.3	1.5		
21	A	11.30 58.0	0.7				0.7	1.6		
	H	11.30 58.2	0.9				0.5	0.6	3.7	2.2
	Z	11.30 58.6	1.1				0.6	0.6		
21	A	13.27 42.6	1.0				0.8	1.1		
	H	13.27 42.6	0.9				0.4	0.4	2.8	2.0
	Z	13.27 42.6	0.9				1.6	1.7		
21	A	15.42 21.8	1.0				0.4	0.2		
	H	15.42 21.5	0.9				0.7	0.4	2.5	1.9
	Z	15.42 21.7	0.9				1.4	1.6		
21	A	17.08 00.7	1.1				0.8	0.3		
	H	17.07 59.6	0.6				1.6	1.0	3.3	2.2
	Z	17.08 01.0	1.3				0.4	0.3		
21	A	17.50 26.8	1.2				3.0	6.6		
	H	17.50 26.1	0.8			-	18.6	9.0	4.8	3.7
	Z	17.50 27.3	1.4				1.6	2.1		
21	A	18.57 24.8	1.0				0.7	0.6		
	H	18.57 24.5	0.8				1.4	1.2	2.7	2.3
	Z	18.57 24.8	0.8				2.6	2.1		
22	A	07.07 28.5	0.9				2.0	5.8		
	H	07.07 29.4	1.3				3.4		3.5	3.2
	Z	07.07 28.2	0.6			+				
22	A	07.17 05.9	1.2				3.4	2.6		
	H	07.17 05.9	1.2				3.4	3.2	5.8	3.2
	Z	07.17 06.6	1.7			-	1.5	1.4		
22	A	08.20 59.4	1.1				0.2	0.4		
	H	08.20 59.2	1.0				1.2		2.4	2.2
	Z	08.20 59.0	0.8				6.8	3.9		
22	A	12.20 39.7	0.5				0.9	0.8		
	H	12.20 39.9	0.8				0.4	0.2	2.4	1.6
	Z	12.20 40.6	1.0				0.2	0.2		
22	A	13.01 37.5	0.9				0.7	0.6		
	H	13.01 36.9	0.6				0.5	1.0	1.4	2.0
	Z	13.01 37.7	0.9			-	0.8	0.8		
22	A	14.10 54.2	1.1				0.4	1.0		
	H	14.10 53.3	0.8			+	3.0	2.0	4.6	2.6
	Z	14.10 54.6	1.3				0.7	1.1		
22	A	15.47 09.4	0.8				0.8	1.7		
	H	15.47 10.0	1.4				0.6	0.4	3.6	2.4
	Z	15.47 09.2	0.7					5.0		
22	A	15.57 08.1	1.0				0.2	1.0		
	H	15.57 07.8	0.6				0.8	0.6	2.3	2.1
	Z	15.57 08.6	1.0				0.8			
22	A	17.23 21.1	1.0				1.2	2.9		
	H	17.23 21.6	1.5				1.7	1.6	4.5	2.9
	Z	17.23 20.8	0.8			+	8.6	4.4		
22	A	19.05 56.9	1.1				0.6	0.8		
	H	19.05 56.9	1.3				0.8	0.9	5.9	2.4
	Z	19.05	1.6				0.6	0.2		
22	A	19.20 50.5	1.6				3.3	2.4		
	H	19.20 51.3	2.0			+	1.4	2.4	7.9	3.4
	Z	19.20 50.4	1.3				5.0	5.6		
22	A	19.24 28.4	1.5				0.5	0.2		
	H	19.34 29.1	2.0				0.4	0.3	7.9	2.4
	Z	19.24 28.3	1.3				2.0	2.6		
22	A	19.47 44.0	1.5				9.4	3.4		
	H	19.47 44.8	1.8			+	2.8	4.3	8.5	3.8
	Z	19.47 43.7	1.4				13.7	14.0		
22	A	21.44 20.4	1.2				2.2	1.8		
	H	21.44 20.2	1.0			-	4.6	3.4	2.8	3.1
	Z	21.44 20.2	1.0			-	23.8	14.5		
22	A	22.26 19.3	1.1				0.6	0.6		
	H	22.26 19.2	1.0				1.4	1.1	3.6	2.3
	Z	22.26 19.2	0.9				4.6	4.0		
23	A	04.26 14.0	1.0				1.1	2.8		
	H	04,26 13.4	0.6				1.2	1.0	3.2	2.4
	Z	04.26 14.3	1.3				0.8	1.0		
23	A	04.46 16.9	1.0				0.4	1.3		
	H	04.46 16.4	0.6				0.6	0.8	2.7	2.1
	Z	04.46 17.3	1.2				0.6	0.9		
23	A	07.32 07.2	1.1				3.4	0.8		
	H	07.32 07.2	1.0				2.3	2.8	1.6	3.0
	Z	07.32 07.1	0.8			-	9.0	6.1		

Nov. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	07.50 40.7	2.0				0.8	0.8		
23	H	07.50 39.8	1.4				4.4	5.5	8.0	3.2
	Z	07.50 40.2	2.2				0.6	0.4		
	A	09.06 24.6	1.8				4.2	6.2		
23	H	09.06 23.4	1.1			+	10.9	9.8	5.8	3.8
	Z	09.06 24.8	1.9			-	3.2	5.8		
	A	12.29 07.3	0.9				1.1	1.2		
23	H	12.29 07.6	1.5				0.4	0.6	4.6	2.4
	Z	12.29 06.7	0.8				5.0	4.2		
	A	12.58	1.5				0.4	0.6		
23	H	12.58 03.7	2.2				0.7	0.6	7.0	2.6
	Z	12.58 03.3	1.3				0.7	2.7		
	A	17.38 58.1	1.6				1.2	0.7		
23	H	17.38 58.6	2.1				0.4	0.3	7.7	2.6
	Z	17.38 57.7	1.3				2.7	3.7		
	A	17.50 44.5	0.9				1.0	1.7		
23	H	17.50 44.1	0.7			-	1.5	1.4	2.7	2.4
	Z	17.50 44.5	1.0				2.0	1.7		
	A	18.19 20.4	1.5				1.6	2.4		
23	H	18.19 21.2	1.9			+	1.2	1.3	8.3	3.1
	Z	18.19 20.2	1.4				4.0	3.4		
	A	19.38 15.5	0.5			+	7.7	8.2		
23	H	19.38 17.0	1.2				1.1	1.2	2.0	2.8
	Z	19.38 15.2	0.5			+	5.6	5.1		
	A	20.40 44.6	0.6				4.3	8.4		
23	H	20.40 45.4	1.2				2.2	2.0	2.7	3.1
	Z	20.40 44.5	0.6				25.0			
	A	20.45 00.9	0.6				1.2	2.0		
23	H	20.45 01.9	1.3				0.4	0.4	2.7	2.2
	Z	20.45 00.8	0.6				3.3	3.9		
	A	22.33 59.6	1.6				2.2	1.1		
23	H	22.34 00.1	2.0			+	1.0	1.0	7.9	3.0
	Z	22.33 59.3	1.3				7.6	6.8		
	A	23.06 24.8	1.6				0.5	0.8		
23	H	23.06 25.7	1.9				0.4	0.4	8.0	2.4
	Z	23.06 24.7	1.3				1.9	1.3		
	A	00.49 21.4	1.7				0.7	0.6		
24	H	00.49 20.3	1.2			-	3.7	4.8	7.1	3.0
	Z	00.49 21.7	2.1				0.8	0.6		
	A	00.49 31.4	0.9				2.1	1.4		
24	H	00.49 31.2	0.5			-	1.9	2.4	1.0	2.6
	Z	00.49 31.8	1.0			-	3.1	4.0		
	A	03.22 53.0	0.9				0.5	0.8		
24	H	03.22 52.7	0.7			-	0.7	1.4	2.7	2.2
	Z	03.22 53.4	1.0				0.9	0.9		
	A	06.28 49.2	0.9				3.5	3.4		
24	H	06.28 49.9	1.4			-	2.6	1.8	4.9	3.1
	Z	06.28 49.1	0.9				6.0	52.		
	A	07.39 50.2	1.0				9.5	16.3		
24	H	07.39 51.0	1.5			-	11.8	11.2	4.8	4.1
	Z	07.39 49.9	0.8				53.6			
	A	07.47 50.4	0.7			-	7.7	6.9		
24	H	07.47 50.8	1.0			+	8.7	7.2	3.7	3.4
	Z	07.47 51.3	1.0				4.1	4.0		
	A	16.10 05.8	1.0				0.8	0.7		
24	H	16.10 05.7	1.0			-	2.3	1.4	3.9	2.5
	Z	16.10 05.8	0.9				7.0	5.5		
	A	16.10 19.7	1.0				6.8	4.0		
24	H	16.10 19.7	1.0			-	5.4	8.2	4.2	3.5
	Z	16.10 19.7	1.0			-				
	A	16.14 24.4	1.0				1.2	1.0		
24	H	16.14 24.4	1.0				3.0	1.8	4.0	2.7
	Z	16.14 24.5	0.9				3.2	2.4		
	A	16.19 32.4	0.9				0.4	0.8		
24	H	16.19 32.2	0.5				1.7	3.0	2.1	2.3
	Z	16.19 33.1	1.1				0.3	0.4		
	A	19.50 00.6	1.1				1.0	1.2		
24	H	19.50 00.9	1.1				1.0	0.8	5.6	2.5
	Z	19.50 01.5	1.6			-	0.8	1.0		
	A	20.52 25.1	1.0				0.6	1.0		
24	H	20.52 25.4	1.3				0.4	0.4	3.4	2.2
	Z	20.52 24.3	0.6				2.0	2.8		
	A	20.56 53.6	1.1				0.4	0.6		
24	H	20.56 53.8	1.2				0.2	0.2	2.3	1.8
	Z	20.56 53.1	0.7			+	4.3	7.4		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	22.06 22.8	1.1				0.4	0.7		
24	H	22.06 23.5	1.3				0.4	0.3	5.1	2.3
	Z	22.06 22.4	0.9				3.2	6.2		
	A	22.06 56.2	1.4				0.4	0.7		
24	H	22.06 57.0	1.3				0.5	0.4	6.1	2.3
	Z	22.06 55.9	1.2				3.0	2.8		
	A	02.04 17.9	1.0			-	8.0	8.8		
25	H	02.04 19.0	1.8			-	18.2	23.9	5.4	4.1
	Z	02.04 17.8	1.3				36.6			
	A	02.10 01.3	1.0			-	0.6	1.0		
25	H	02.10 02.3	1.7				0.8	0.8	4.7	2.4
	Z	02.10 01.3	0.8				3.2	5.3		
	A	02.59 38.1	1.0				0.8	0.8		
25	H	02.59 37.9	0.8				3.6	3.0	3.3	2.4
	Z	02.59 38.3	1.1				1.8	1.4		
	A	03.02 07.1	1.1				0.5	0.5		
25	H	03.02 06.7					1.0	0.7		2.1
	Z	03.02 07.4	0.9				1.5	0.7		
	A	14.36 16.7	1.2				0.7	1.2		
25	H	14.36 17.1	1.4			-	1.0	1.2	4.6	2.4
	Z	14.36 16.2	0.9			+	6.4	7.7		
	A	14.40 37.9	1.7				0.6	0.4		
25	H	14.40 36.9	1.2			+	0.9	1.3	7.1	2.4
	Z	14.40 37.9	1.9				0.5	0.3		
	A	15.46 22.9	1.1				11.3	5.6		
25	H	15.46 22.7	1.0				13.0	9.7	4.3	3.1
	Z	15.46 22.9	1.0				25.6	23.5		
	A	17.03 16.5	1.6				2.1	1.6		
25	H	17.03 17.7	2.2			+	1.1	1.8	8.3	3.1
	Z	17.03 16.3	1.4			+	3.2	7.0		
	A	18.25 01.2	1.1				0.7	0.4		
25	H	18.25 00.8	0.9				1.4	1.1	2.7	2.1
	Z	18.25 01.1	1.0				1.9	1.4		
	A	18.26 54.4	1.0				0.7	0.7		
25	H	18.26 55.2					0.3	0.4		1.6
	Z	18.26 54.6	1.0				1.4	2.2		
	A	18.41 20.0	0.9				1.0	0.6		
25	H	18.41 19.9	0.8				0.8	1.6	2.2	2.1
	Z	18.41 19.9	0.8				2.6	2.7		
	A	18.52 14.3	1.1				1.4	1.3		
25	H	18.52 14.2	1.0				2.0	0.9	3.9	2.7
	Z	18.52 14.2	1.0				6.8	5.6		
	A	19.43 31.9	1.1				1.7	4.1		
25	H	19.43 31.1	0.6				3.8	4.8	3.4	3.1
	Z	19.43 32.2	1.3			-	1.2	2.0		
	A	20.22 50.5	0.8				0.4	0.8		
25	H	20.22 50.5	1.0			+	0.5	0.8	3.6	2.1
	Z	20.22 51.2	1.4				0.5	0.3		
	A	21.54 00.7	1.0				3.9			
25	H	21.54 00.3	1.2			-	7.2	8.3	1.7	3.4
	Z	21.54	0.5				1.9	5.6		
	A	23.46 32.7	1.1				1.2			
25	H	23.46 32.8	1.1			+	6.5	5.4	5.7	2.0
	Z	23.46 33.4	1.5				3.6	2.9		
	A	00.45 46.7	2.0				0.8	0.7		
26	H	00.45 45.7	1.3				1.4	4.2	7.0	3.1
	Z	00.45 47.0	2.1				0.7	0.4		
	A	01.46 58.0	1.1			+	1.0	1.6		
26	H	01.46 57.8	0.9				2.5	1.7	3.1	2.8
	Z	01.46 58.1	1.0				4.4	4.0		
	A	02.58 58.6	1.5				0.3	0.2		
26	H	02.58 59.3	1.9				0.2	0.2	8.2	1.9
	Z	02.58 58.1	1.4				1.9	1.4		
	A	03.16 16.4	0.9				0.7	0.6		
26	H	03.16 16.3	0.7				0.6	1.2	1.9	2.1
	Z	03.16 16.5	0.9				2.3	1.4		
	A	03.19 04.4	0.9				0.6	0.6		
26	H	03.19 04.3	0.7			-	0.4	0.7	1.7	1.9
	Z	03.19 04.4	0.9			-	2.1	1.3		
	A	03.26 56.2	0.9				0.3	0.5		
26	H	03.26 56.1	0.8				1.0	0.6	2.1	1.9
	Z	03.26 56.2	0.8				1.7	1.2		
	A	05.38 43.2	1.0				0.8	2.8		
26	H	05.38 42.5	0.7			+	1.8	2.4	3.7	2.7
	Z	05.38 43.4	1.3				0.8	0.5		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
26	A	07.22 04.1	1.5				0.5	0.6		
	H	07.22 04.8	2.0				0.8	0.5	7.5	2.6
	Z	07.22 03.7	1.3				3.6	6.2		
26	A	08.12 14.3	1.1				0.6	0.6		
	H	08.12 14.4	1.1				1.0	1.5	4.8	2.4
	Z	08.12 14.9	1.7				0.6	0.6		
26	A	09.54 17.7	1.0			+	2.8	2.5		
	H	09.54 17.2				-	2.4	2.4		2.7
	Z	09.54 17.8	1.0			-	5.0	5.2		
26	A	11.52 36.9	0.9				1.0	1.4		
	H	11.52 37.7	1.5				0.4	0.9	4.1	2.5
	Z	11.52 36.8	0.7				2.3	3.0		
26	A	17.34 10.4	1.0				0.6	0.6		
	H	17.34 09.9	0.7			-	1.2	1.2	2.6	2.1
	Z	17.34 10.4	1.0				1.6	1.1		
26	A	19.20 33.9	1.0				1.3	2.2		
	H	19.20 34.7	1.7				0.5	0.4	4.7	2.5
	Z	19.20 33.5	0.9				3.6	4.2		
26	A	21.18 47.2	0.9				0.6	0.5		
	H	21.18 47.0					0.4	0.2		1.6
	Z	21.18 47.4	0.8				0.5	0.7		
26	A	22.43 05.8	1.0				0.8	1.8		
	H	22.43 05.5	0.8			+	1.2	1.8	4.0	2.6
	Z	22.43 06.3	1.5				1.1	1.9		
26	A	23.15 48.1	1.4				1.3	2.9		
	H	23.15 47.3	0.8			+	1.9	2.1	3.4	2.9
	Z	23.15 48.1	1.3				1.9	1.9		
27	A	06.00 31.1	1.2				0.4	0.6		
	H	06.00 30.3	0.7				0.4	0.3	3.6	1.8
	Z	06.00 31.3	1.3				0.8	1.0		
27	A	09.37 53.6	1.1				0.6	0.7		
	H	09.37 54.0	1.7				0.3	0.2	4.3	2.1
	Z	09.37 53.0	0.7				3.7	5.1		
27	A	10.01 03.0	1.5				2.5	2.0		
	H	10.01 02.3	1.0			+	12.0	9.1	6.1	3.5
	Z	10.01 03.4	1.6			-	6.2	5.7		
27	A	20.42 10.8	0.6				0.6	1.1		
	H	20.42 12.0	1.3				0.3	0.2	3.5	1.9
	Z	20.42 11.1	1.0				0.7	0.7		
27	A	23.37 19.3	1.5			+	8.7	12.4		
	H	23.37 19.1	0.9			+	15.0	9.2	4.4	4.0
	Z	23.37 19.7	1.5			-	4.8	4.8		
28	A	02.55 53.0	1.0				4.0	3.8		
	H	02.55 52.9	0.9			-	12.1	11.3	3.0	3.4
	Z	02.55 53.1	0.9				19.4			
28	A	03.13 18.0	1.0				0.8	1.1		
	H	03.13 17.8	0.8			-	2.9	1.9	1.9	2.6
	Z	03.13 17.7	0.8				5.7	4.1		
28	A	03.20 46.0	0.7				1.6	1.3		
	H	03.20 47.1	1.3				0.6	0.4	3.6	2.3
	Z	03.20 46.0	0.6			+	10.0	6.4		
28	A	04.52 58.4	1.0				0.6	0.8		
	H	04.52 59.5	1.5				0.4	0.4	5.8	2.2
	Z	04.52 58.5	1.0				1.6	2.0		
28	A	12.56 16.8	0.9				0.7	0.6		
	H	12.56 16.7	0.7				1.6	1.3	1.9	2.2
	Z	12.56 16.6	0.9				2.5	1.4		
28	A	13.12 13.0	0.8				0.8	1.8		
	H	13.12 14.2	1.2				0.4	0.2	3.3	2.2
	Z	13.12 12.8	0.6				0.9	1.8		
28	A	21.24 55.1	0.9				0.3	0.8		
	H	21.24 54.6				-	2.0	2.7		2.2
	Z	21.24 55.2	0.9				0.5	0.2		
28	A	22.42 31.8	1.1				0.3	0.4		
	H	22.42 31.1	0.5				0.4	0.8	1.4	1.7
	Z	22.42 32.0	1.1				0.4	0.3		
29	A	01.09 05.8	1.1				1.3	1.3		
	H	01.09 05.8	1.0			-	5.0	3.0	4.2	2.9
	Z	01.09 05.9	1.0			+	9.5	12.4		
29	A	03.43 00.2	1.0				1.4	1.3		
	H	03.43 00.4	0.7			-	4.4	4.7	2.2	2.7
	Z	03.43 00.4	1.0				5.3	6.1		
29	A	08.39 43.2	0.6				0.6	0.8		
	H	08.39 43.9	1.1				0.3	0.4	2.9	1.8
	Z	08.39 43.5	0.6			-	3.6	2.4		
29	A	12.56 23.9	1.1				1.3	4.3		
	H	12.56 23.3	0.6			+	6.6	7.2	3.5	3.2
	Z	12.56 24.3	1.3				1.4	1.2		
29	A	17.10 18.7	1.1			+	1.3	1.9		
	H	17.10 18.3	1.0			-	4.4	6.0	3.8	3.1
	Z	17.10 18.6	1.0				3.6	2.0		
29	A	21.21 47.6	1.0				7.3	4.2		
	H	21.21 47.7	0.9			-	6.0	7.3	3.1	3.5
	Z	21.21 47.8	0.9				15.7	13.0		
29	A	21.45 04.0	1.0			+	4.2	3.6		
	H	21.45 03.8	0.9			-	10.4	11.4	2.5	3.4
	Z	21.45 03.9	0.8				16.4	11.2		
29	A	22.39 34.4	1.1				0.6	0.6		
	H	22.39 35.0	1.7				0.7	0.6	5.3	2.3
	Z	22.39 33.9	0.9				4.9	8.2		
30	A	23.00 21.3	1.0				0.2	0.3		
	H	23.00 22.4	1.7				0.2	0.2	4.9	1.7
	Z	23.00 21.3	0.9				1.6	2.6		
30	A	01.16 18.2	1.1				0.6	1.6		
	H	01.16 17.6	0.7				2.6	2.8	3.8	2.7
	Z	01.16 18.7	1.3				0.6	0.4		
30	A	06.09 49.8	1.0				0.5	1.6		
	H	06.09 48.9	0.6			+	1.2	1.8	3.4	2.5
	Z	06.09 50.2	1.3				1.4	1.5		
30	A	06.19 46.1	1.0				0.5	1.4		
	H	06.19 46.3	1.0				0.8	0.8	3.6	2.4
	Z	06.19 46.0	0.9				1.8	4.2		
30	A	06.42 35.2	0.9				0.8	5.1		
	H	06.42 34.7	0.6			+	3.6	3.2	2.8	2.9
	Z	06.42 35.6	1.2				1.9	1.4		
30	A	07.14 33.6	0.9				9.7	12.8		
	H	07.14 32.9	0.7			+	9.8	11.2	3.6	3.6
	Z	07.14 33.8	1.2				3.8	4.0		
30	A	07.15 05.4	1.1				1.0	1.2		
	H	07.15 04.9	0.7				8.8	6.4	2.8	2.9
	Z	07.15 05.8	1.1				3.6	2.0		
30	A	09.53 48.2	1.3			-	2.2	2.8		
	H	09.53 47.0	0.8				19.5	12.7	5.1	3.6
	Z	09.53 48.6	1.5				0.9	1.4		
30	A	09.57 03.9	0.9				2.6	2.4		
	H	09.57 03.2	0.6			+	4.1	6.0	2.5	2.9
	Z	09.57 04.3	1.1				0.8	1.4		
30	A	13.05 56.2	1.1				1.0	0.5		
	H	13.05 56.0	1.0				2.0	1.8	2.4	2.6
	Z	13.05 56.0	0.8				4.9	3.0		
30	A	15.29 39.2	1.0			-	3.9	4.8		
	H	15.29 40.0	1.6			-	3.0	3.6	5.2	3.4
	Z	15.29 39.0	0.9			+	14.0	11.5		
30	A	15.26 14.8	1.0				0.7	0.7		
	H	15.26 15.6	1.7				0.5	0.4	4.6	2.2
	Z	15.26 14.6	0.8			+	1.5	3.6		
30	A	15.52 16.1	1.0				0.2	0.3		
	H	15.52 15.5	1.0				0.6	0.7	3.9	1.8
	Z	15.52 15.9	0.9			-	2.2	2.2		
30	A	16.35								
	H	16.35								
	Z	16.35								
30	A	18.03 40.7	1.0				0.6	0.6		
	H	18.03 41.7	1.6				0.2	0.2	2.0	1.9
	Z	18.03 41.1	0.4				2.4	2.8		
30	A	18.33 37.6	1.2				0.6	1.0		
	H	18.33 37.0	1.0				2.6	2.2	4.7	2.7
	Z	18.33 37.8	1.2				1.7	1.3		
30	A	21.02 20.8	0.5				0.6	0.8		
	H	21.02 21.6	1.3				0.4	0.4	2.9	1.8
	Z	21.02 21.1	0.9				1.6	1.5		
30	A	23.02 42.2	0.7				1.1	1.8		
	H	23.02 42.6				-	1.2	1.5		2.2
	Z	23.02 42.4	0.8			-	1.8	1.8		
30	A	23.36 02.6	0.9				0.4	0.6		
	H	23.36 02.1	0.7				0.5	0.8	2.0	1.9
	Z	23.36 02.9	0.9				0.9	0.6		

Dec. 1966

1966 December

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
01	A	05.08 08.7	1.0				0.2	0.6		
	H	05.08 09.5	1.7				0.2	0.2	4.4	1.9
	Z	05.08 08.5	0.8				2.0	1.8		
01	A	05.27 12.8	1.0				0.6	0.7		
	H	05.27 12.6	0.9				0.8	0.6	3.6	2.1
	Z	05.27 12.6	1.0				3.5	1.9		
01	A	08.17 42.6	1.1				0.5	0.6		
	H	08.17 41.6	0.6				0.6	0.5	3.0	1.8
	Z	08.17 42.6	1.3				0.4	0.3		
01	A	09.52 14.8	0.7				1.1	2.1		
	H	09.52 15.5	1.3				0.6	0.4	3.2	2.4
	Z	09.52 14.5	0.6			+	4.5	7.6		
01	A	12.21 13.9	1.0				1.8	2.4		
	H	12.21 14.8	1.7			-	3.2	1.2	4.5	3.2
	Z	12.21 13.9	0.8			+	13.6			
01	A	16.55 07.5	0.9				0.6	0.5		
	H	16.55 07.5	1.4				0.2	0.2	3.8	1.8
	Z	16.55 06.8	0.7				1.7	3.8		
01	A	18.34 20.6	2.0				7.4	9.4		
	H	18.34 21.7	2.6				7.6	9.2	9.9	4.3
	Z	18.34 21.5	1.8				7.2			
01	A	19.08 01.4	0.5			-	8.0	8.2		
	H	19.08 02.1	1.1				4.0	4.7	2.9	3.2
	Z	19.08 01.7	0.9			+	18.4	8.2		
01	A	19.36 39.7	1.1				20.0	8.4		
	H	19.36 39.4	0.9				24.2	15.4	3.9	4.2
	Z	19.36 39.6	1.1			+	48.1			
01	A	19.37 04.8	1.0				1.1	1.4		
	H	19.37 04.4	0.9			-	3.2	2.2	3.0	2.7
	Z	19.37 04.6	0.9				7.6			
01	A	19.37 34.9	1.0				2.4	5.3		
	H	19.37 34.8	0.9			-	4.4	4.6	3.3	3.2
	Z	19.37 34.9	0.9			+	15.6			
01	A	19.39 58.7	1.0				0.7	0.3		
	H	19.39 58.3	0.8				0.7	0.8		2.1
	Z	19.39 58.6					1.2			
01	A	20.09 13.8	1.8				3.6	2.6		
	H	20.09 14.6	2.5			-	4.6	5.8	8.2	3.8
	Z	20.09 13.5	1.6			-	12.0	12.3		
01	A	21.23 26.2	1.1				1.4	0.3		
	H	21.23 25.7	1.0				0.8	0.4	2.3	2.4
	Z	21.23 25.8	0.8				2.0	1.5		
01	A	21.58 48.6	1.0				2.8	3.7		
	H	21.58 48.6	0.9				4.6	3.2	1.3	3.1
	Z	21.58 48.3	0.8			+	8.2	6.7		
02	A	01.06 36.7	0.9				1.4	1.4		
	H	01.06 36.2	0.7				1.4	0.8	2.3	2.3
	Z	01.06 36.7	0.9			-	2.0	1.4		
02	A	01.07 04.3	0.9				11.0	9.2		
	H	01.07 04.0	0.8			-	8.0	4.6	3.6	3.5
	Z	01.07 04.4	1.0			-	9.5	8.6		
02	A	01.16 03.8	0.8				0.3	0.4		
	H	01.16 03.4	0.6				0.6	0.4	1.2	1.6
	Z	01.16 03.8	0.8				1.0			
02	A	02.38 09.0	0.8				2.5	1.8		
	H	02.38 08.8	0.7				2.0	2.4	1.7	2.6
	Z	02.38 08.8	0.8			-	3.6	3.5		
02	A	02.59 31.3	0.8				0.4	0.4		
	H	02.59 31.0	0.7				0.8	0.8	2.6	1.7
	Z	02.59 31.5	0.9				1.7	1.0		
02	A	03.26 41.2	1.7				0.4	0.4		
	H	03.26 42.0	2.3				0.2	0.3	8.1	2.3
	Z	03.26 40.8	1.5				1.1	1.8		
02	A	03.36 03.4	1.1				1.0	1.8		
	H	03.36 03.5	1.4				1.4	1.4	6.5	2.8
	Z	03.36 04.0	1.5				2.4	3.6		
02	A	07.30 12.2	0.8				0.4	1.0		
	H	07.30 11.8	0.5				1.1	1.6	2.1	2.1
	Z	07.30 12.4	1.1				0.4	0.7		
02	A	08.16 06.4	1.1				2.0	2.6		
	H	08.16 05.7	0.7				7.4	7.2	3.7	3.1
	Z	08.16 06.5	1.3			-	3.2	2.7		
02	A	09.22 15.5	1.7				1.0	0.9		
	H	09.22 16.2					0.5	0.5	7.3	2.
	Z	09.22 15.2	1.5				1.8	3.1		
02	A	12.00 09.4	0.9				0.3	0.5		
	H	12.00 08.7	0.6				1.0	0.7	0.9	1.
	Z	12.00 09.4	0.9				0.7	0.6		
02	A	12.17 51.4	1.0				3.4	6.4		
	H	12.17 50.6	0.6				9.6	8.6	3.6	3.
	Z	12.17 51.9	1.3			-	4.6	3.5		
02	A	12.29 49.2	1.2				0.6	0.7		
	H	12.29 49.4	1.4				1.3	1.5	7.1	2.
	Z	12.29 49.8	1.5				0.8	1.2		
02	A	17.45 56.4	0.9				1.8	0.9		
	H	17.45 56.0	0.9			-	1.6	1.6	3.0	2.
	Z	17.45 56.2	0.8			-	4.0	3.1		
02	A	17.51 24.2	0.8				0.3	0.6		
	H	17.51 24.1	0.8				1.0	0.8	2.2	2.
	Z	17.51 24.0	0.8				2.4	1.0		
03	A	01.29 47.5	0.9				1.0	3.6		
	H	01.29 46.9	0.7			+	2.8	2.6	3.0	2.
	Z	01.29 47.9	1.1				1.0	0.3		
03	A	02.00 49.4	1.0				0.6	0.8		
	H	02.00 49.8	1.5				0.3	0.2	3.4	2.
	Z	02.00 48.8	0.6			-	3.4	4.0		
03	A	04.44 43.7	1.3				0.4	1.8		
	H	04.44 43.0	0.9				1.4	1.4	4.7	2.
	Z	04.44 43.9	1.4				0.5	0.5		
03	A	05.55 52.1	0.7			-	1.1	2.4		
	H	05.55 52.3	0.9				1.0	1.4	3.5	2.
	Z	05.55 52.7	1.2				0.7	0.8		
03	A	05.56 20.0	0.7				7.4	8.6		
	H	05.56 20.5	1.0			+	3.7	5.3	3.8	3.
	Z	05.56 20.6	1.0				5.4	6.7		
03	A	05.58 56.0	0.6			-	1.6	2.4		
	H	05.58 56.6	1.0				0.8	0.7	3.2	2.
	Z	05.58 57.1	1.1				0.6	1.1		
03	A	07.36 02.9	0.9				0.7	0.7		
	H	07.36 03.7	1.6				0.6	0.5	4.1	2.
	Z	07.36 02.5	0.8			+	2.4	4.8		
03	A	07.48 17.9	1.0				0.4	1.0		
	H	07.48 17.5	0.7			-	1.9	2.4	1.3	2.
	Z	07.48 17.4	0.9			-	1.5	1.4		
03	A	08.42 47.7	0.9				1.3	2.6		
	H	08.42 47.0	0.5			-	5.3	4.0	1.1	2.
	Z	08.42 47.8	1.0			-	0.8	0.4		
03	A	12.34 15.0	0.8				2.9	2.8		
	H	12.34 15.3	1.0			+	1.0	1.3	4.1	2.
	Z	12.34 15.6	1.2				1.6	2.0		
03	A	13.21 44.1	0.9				0.5	1.0		
	H	13.21 43.8	0.7			+	2.7	4.4	1.6	2.
	Z	13.21 44.0	0.8			-	4.9	3.8		
03	A	15.31 39.5	1.1				1.6	1.4		
	H	15.31 39.4	1.0			-	2.1	2.3	3.7	2.
	Z	15.31 39.2	0.9			+	8.2	7.7		
03	A	17.53 02.9	1.5				0.5	0.4		
	H	17.53 03.6	2.1				0.3	0.3	7.4	2.
	Z	17.53 02.5	1.3			+	2.4	2.4		
03	A	18.23 08.6	0.8				0.2	0.8		
	H	18.23	1.2				0.5	0.3	4.4	2.
	Z	18.23 08.6	0.9				0.6	0.7		
03	A	19.57 43.3	1.0				3.8	5.0		
	H	19.57 44.1	1.6			+	4.6	4.9	4.7	3.
	Z	19.57 42.9	0.8			+	10.5	17.2		
03	A	22.51 20.6	1.1				0.6	0.3		
	H	22.51 20.3	0.8			-	0.8	0.5		2.
	Z	22.51 20.2	0.7				1.0	0.8		
03	A	23.05 37.4	1.8				0.2	0.2		
	H	23.05 38.4	2.4				0.6	0.6	8.6	2.
	Z	23.05 37.1	1.5				0.3	0.8		
04	A	11.18 07.3	1.1				1.1	1.0		
	H	11.18 06.8	1.0			-	2.2	2.8	3.9	2.
	Z	11.18 07.0	1.0				8.7			
04	A	12.04 49.2	1.4				2.1	4.8		
	H	12.04	0.7			+	10.4	9.9	3.9	2.
	Z	12.04 49.5	1.5				5.1			

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
04	A	12.36 13.5	0.9				0.4	0.4		
	H	12.36 15.0	1.4				0.3	0.4	4.2	1.9
	Z	12.36 13.0	0.7					2.6		
04	A	16.20 11.3	0.8				0.7	1.1		
	H	16.20 11.4	1.0			+	0.6	0.4	4.1	2.1
	Z	16.20 12.1	1.1					0.6		
04	A	19.24 35.1	1.3				0.3	1.2		
	H	19.24 34.6	0.8			+	1.6	1.7	3.9	2.6
	Z	19.24 35.4	1.3					1.8		
04	A	21.47 03.9	2.3				0.2	0.3		
	H	21.47 05.1	3.0				0.4	0.3	10.0	2.6
	Z	21.47 03.8	2.0			-		3.1		
04	A	23.06 18.9	1.2				1.0	1.7		
	H	23.06 18.5	1.0			-	2.6	2.4	2.1	2.9
	Z	23.06 18.5	0.9					3.4		
05	A	02.28 23.7	1.1				0.6	0.8		
	H	02.28 23.7	1.4				0.7	0.9	4.0	2.4
	Z	02.28 23.2	0.7					8.3		
05	A	03.19 19.6	0.4				1.3	1.7		
	H	03.19 20.1	0.9				0.4	0.2	1.6	1.8
	Z	03.19 20.1	0.7					0.3		
05	A	03.39 17.3	0.7				1.6	4.0		
	H	03.39 17.6	0.8			+	2.9	3.5	3.1	2.9
	Z	03.39 18.0	1.1			-		2.6		
05	A	04.25 00.9	0.9				35.6	19.2		
	H	04.25 01.8	1.4				11.2	12.9	4.1	4.3
	Z	04.25 00.3	0.7			+		18.5		
05	A	16.03 11.7	0.8				1.4	1.9		
	H	16.03 12.2	1.1				0.8	1.0	4.3	2.5
	Z	16.03 12.1	1.2				2.9	0.8		
05	A	16.18 40.6	1.1				1.2	0.6		
	H	16.18 40.5	1.1				2.3	1.8	3.2	2.7
	Z	16.18 40.0	0.9			+	3.6	3.8		
05	A	17.58 34.0	1.1				0.3	0.3		
	H	17.58 35.1	1.8				0.3	0.2	5.4	1.9
	Z	17.58 33.3	1.0				0.7	1.3		
05	A	22.12 25.2	1.2				2.6	2.3		
	H	22.12 24.9	1.0				4.8	4.0	4.0	3.1
	Z	22.12 24.8	1.0				13.8	13.8		
06	A	01.04 39.5	0.7				2.6	3.8		
	H	01.04 40.1	1.0				0.3	0.4	4.0	2.3
	Z	01.04 40.0	1.1				0.4	0.7		
06	A	02.46 42.1	0.9				0.5	0.6		
	H	02.46 42.7	1.5				0.3	0.4	4.1	2.0
	Z	02.46 41.5	0.7				3.0	5.2		
06	A	03.53 48.9	0.7				1.0	1.7		
	H	03.53 48.9	1.0				0.8	0.7	3.8	2.3
	Z	03.53 49.0	1.2				0.8			
06	A	06.12 12.9	1.5				0.5	0.4		
	H	06.12 12.2	1.0				1.0	0.6	5.2	2.3
	Z	06.12 13.1	1.5				0.7	0.8		
06	A	06.19 31.2	1.6				0.3	0.6		
	H	06.19 30.8	1.0				0.8	0.6	4.8	2.3
	Z	06.19 31.5	1.5				0.8			
06	A	06.57 47.0	1.3				1.2	1.6		
	H	06.57 46.1	0.9				2.8	5.4	3.9	3.0
	Z	06.57 46.7	1.2				3.0	2.8		
06	A	07.16 03.6	0.8				1.6	2.1		
	H	07.16 03.8	1.0				0.5	0.4	4.5	2.3
	Z	07.16 04.0	1.2				0.8	1.5		
06	A	11.46 49.8	1.1				1.2	5.0		
	H	11.46 49.1	0.6				3.0	3.3	3.0	3.0
	Z	11.46 50.0	1.2				1.0	1.7		
06	A	13.59 43.6	0.7				0.6	1.0		
	H	13.59 44.4	1.5				0.4	0.3	3.5	2.1
	Z	13.59 43.4	0.8				1.4	1.4		
06	A	14.13 46.8	1.0				0.5	0.6		
	H	14.13 47.5	1.7				0.7	0.6	4.6	2.3
	Z	14.13 46.7	0.8			+	3.2	5.2		
06	A	15.36 40.8	1.2				0.6	0.8		
	H	15.36 40.1	0.9			-	2.8	2.8	3.1	2.6
	Z	15.36 40.5	1.0				4.2	4.4		
06	A	16.02 07.5	0.9				1.2	1.4		
	H	16.02 08.5	1.5				0.8	1.2	4.1	2.6
	Z	16.02 07.2	0.7				2.6	6.3		
06	A	16.07 37.5	1.2				0.3	0.4		
	H	16.07 38.0	2.0				0.3	0.2	4.9	2.1
	Z	16.07 37.0	1.0				2.6	4.3		
06	A	16.38 11.0	0.9				0.8	0.6		
	H	16.38 11.7	1.6				0.4	0.3	4.6	2.2
	Z	16.38 10.5	0.9				1.1	2.0		
06	A	17.24 21.7	0.8				0.4	0.9		
	H	17.24 21.2	0.5				0.7	0.8	1.8	1.8
	Z	17.24 21.9	1.0				0.8	0.6		
06	A	18.36 42.3	1.1				1.0	3.8		
	H	18.36 41.3	0.5				2.8	3.0	2.5	2.9
	Z	18.36 42.4	1.3				1.3	1.4		
06	A	19.17 40.0	1.1				0.8	0.5		
	H	19.17 40.5	1.8				0.6	0.6	5.4	2.4
	Z	19.17 39.4	1.0			+	2.0	4.3		
06	A	22.18 52.2	1.1				3.6	3.9		
	H	22.18 51.9	0.7				6.8	4.1	2.2	3.2
	Z	22.18 52.4	1.0				5.9	5.0		
06	A	22.18 56.3	1.1				1.4	1.9		
	H	22.18 56.6	0.8				4.0	3.0	1.2	2.9
	Z	22.18 56.7	0.9				2.6	2.4		
06	A	22.33 07.1	1.4				17.5	11.2		
	H	22.33 06.5	0.9				12.2	12.8	4.1	4.1
	Z	22.33 07.0	1.3				10.4	12.9		
06	A	22.33 10.4	1.3				34.0	15.0		
	H	22.33 09.8	1.1				17.0	21.2	5.1	4.5
	Z	22.33 10.4	1.2			-	19.8			
06	A	22.46 07.2	1.1				0.7	0.8		
	H	22.46 06.5	0.9				1.4	0.8	3.8	2.3
	Z	22.46 07.1	1.0				1.0	1.0		
07	A	02.50 04.4	0.8				0.8	0.8		
	H	02.50 03.9	0.7				2.4	2.4	2.2	2.3
	Z	02.50 04.1	0.9				2.0	1.6		
07	A	07.23 32.1	1.6				0.6	0.6		
	H	07.23 32.9	2.0				0.5	0.4	7.9	2.5
	Z	07.23 31.7	1.3							
07	A	09.27 40.5	0.8				1.8	2.4		
	H	09.27 41.2	1.5				1.1	1.8	3.7	2.8
	Z	09.27 40.3	0.8							
07	A	13.26 06.6	1.2				1.3	1.2		
	H	13.26 06.0	0.9				3.0	2.0	3.3	2.8
	Z	13.26 05.7	1.1				2.6	3.0		
07	A	14.22 50.6	1.1				0.4	2.4		
	H	14.22 50.1	0.5				0.9	1.0	2.9	2.3
	Z	14.22 50.7	1.3				0.4	0.8		
07	A	15.40 24.7	1.0				0.3	1.0		
	H	15.40 24.2	0.8			-	3.2	4.4	3.3	2.7
	Z	15.40 24.6	1.0				2.7	3.0		
07	A	18.36 07.8	1.2				0.9	0.6		
	H	18.36 08.6	2.0				0.6	0.8	5.0	2.6
	Z	18.36 06.7	1.0				1.3	1.2		
07	A	21.14 56.0	1.2				0.5	2.0		
	H	21.14 54.9	0.9			+	4.4	2.9	5.0	3.0
	Z	21.14 56.0	1.4				2.3	2.8		
07	A	22.26 31.9	0.9				0.5	0.6		
	H	22.26 31.6	0.8				0.6	1.2	3.9	2.1
	Z	22.26 32.6	1.1				1.0	0.7		
08	A	00.20 21.7	0.9				0.2	0.5		
	H	00.20 21.0	0.5				0.6	1.0	1.0	1.8
	Z	00.20 21.5	0.9				0.6	0.8		
08	A	08.37 24.5	1.2				0.7	1.0		
	H	08.37 25.2	1.3				1.0	0.8	4.2	2.5
	Z	08.37 24.3	0.8			+				
08	A	12.30 00.4	1.2				0.8	1.0		
	H	12.30 01.1	2.0				1.0	0.6	4.0	2.7
	Z	12.30 00.1	0.9				2.8	7.4		
08	A	12.49 33.4	1.1				6.7	6.6		
	H	12.49 33.0	1.0			-	19.7	14.1	3.5	3.9
	Z	12.49 33.1	0.9				31.8	27.2		
08	A	13.22 25.3	0.9			+	0.8	1.8		
	H	13.22 24.8	0.7			+	2.0	2.0	2.4	2.5
	Z	13.22 25.2	0.9			-	3.0	1.4		
08	A	14.19 06.4	0.8				0.2	0.5		
	H	14.19 05.6	0.6				0.5	0.4	1.3	1.6
	Z	14.19 06.6	0.9				0.4	0.4		

Dec. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	14.29 18.7	0.8				11.8	5.6		
08	H	14.29 18.2	0.6				7.1	6.7	1.9	3.4
	Z	14.29 18.9	0.9			-	2.6	4.1		
	A	15.42 44.4	0.6			-	0.6	1.0		
08	H	15.42 45.3	1.4				0.3	0.3	3.1	1.9
	Z	15.42 44.6	0.8				0.2	0.4		
	A	16.59 31.1	1.0				0.6	0.4		
08	H	16.59 31.8	1.4				0.2	0.3	4.7	2.0
	Z	16.59 30.6	0.8			+	1.2	2.8		
	A	19.53 27.9	0.9				0.2	0.4		
08	H	19.53 27.3	0.5				0.3	0.6	1.8	1.5
	Z	19.53 28.3	1.0				0.3	0.5		
	A	20.08 43.5	1.0			-	0.5	0.7		
08	H	20.08 43.2	1.1				0.6	1.3	3.5	2.3
	Z	20.08 43.2	0.8				2.0	2.7		
	A	20.11 39.0	0.7				1.4	2.4		
08	H	20.11 39.8	1.0				0.2	0.3	3.7	2.0
	Z	20.11 40.1	1.1				0.5	0.4		
	A	21.44 51.8	0.5				0.8	2.4		
08	H	21.44 52.4	1.3				0.4	0.4	2.1	2.2
	Z	21.44 51.5	0.6				2.2	2.9		
	A	22.10 41.9	1.0				0.6	0.6		
08	H	22.10 41.5	0.9			-	1.5	1.2	3.3	2.2
	Z	22.10 41.7	1.0				4.2	4.4		
	A	00.14 53.0	0.9			-	1.8	3.6		
09	H	00.14 52.8	1.2			+	2.4	3.4	4.9	3.1
	Z	00.14 53.8	1.4				2.4	2.7		
	A	00.16 42.0	0.9				0.2	0.5		
09	H	00.16 42.2	1.0				0.2	0.2	4.4	1.5
	Z	00.16 43.3	1.4				0.3	0.3		
	A	00.31 50.5	0.8				0.4	0.5		
09	H	00.31 50.1	0.8				1.2	0.8	1.8	2.0
	Z	00.31 50.5	0.7			-	1.2	1.4		
	A	00.42 48.2	1.1				0.4	0.4		
09	H	00.42 47.7	0.9			-	1.4	1.0	3.6	2.1
	Z	00.42 48.1	1.0			-	3.0	3.0		
	A	00.54 12.3	0.6				1.4	1.4		
09	H	00.54 12.5	0.8				0.5	0.2	2.9	1.9
	Z	00.54 13.2	1.1				0.4	0.5		
	A	01.36 00.0	1.1				1.2	1.0		
09	H	01.35 59.6	1.1				2.0	1.6	4.0	2.6
	Z	01.35 59.7	0.9				2.6	3.2		
	A	02.50 09.4	1.0				0.5	1.0		
09	H	02.50 10.4	1.6				0.6	0.4	4.2	2.4
	Z	02.50 09.1	0.7			+	3.3	4.3		
	A	05.13 19.3	1.0				4.6	5.1		
09	H	05.13 19.3	0.9			-	10.6	9.0	3.0	3.5
	Z	05.13 19.4	0.9				27.3	27.0		
	A	05.13 32.2	1.0				1.8	1.4		
09	H	05.13 32.1	0.9			-	2.0	2.0		2.7
	Z	05.13 32.3					4.3	4.4		
	A	05.37 21.4	1.0				2.1	1.8		
09	H	05.37 21.4	0.9				2.2	2.1	2.9	2.7
	Z	05.37 21.2	0.8				5.2	3.0		
	A	09.12 47.8	1.0			+	0.5	0.4		
09	H	09.12	0.9				0.8	0.8	1.7	2.0
	Z	09.12 47.8	0.8				2.2	3.0		
	A	10.52 23.9	1.0				2.4	1.6		
09	H	10.52 23.8	0.9			-	1.4	1.8	2.8	2.7
	Z	10.52 24.2	0.8				5.3	3.6		
	A	12.47 35.1	1.0				3.2	3.0		
09	H	12.47 34.9	1.0				6.6	4.7	4.5	3.2
	Z	12.47 35.3	1.0			+	20.8	16.9		
	A	15.09 29.7	0.8				2.1	2.8		
09	H	15.09 29.7	0.6			-	1.4	2.2		2.6
	Z	15.09 30.5	0.8			-	3.0	2.5		
	A	17.38 41.8	1.0				0.4	0.7		
09	H	17.38 42.9	1.8				0.3	0.4	4.2	2.2
	Z	17.38 42.3	0.8				2.4	3.3		
	A	21.13 12.7	0.9				1.0	1.3		
09	H	21.13 12.6	0.8			-	2.6	5.4	2.8	2.8
	Z	21.13 13.1	0.9				4.8	3.8		
	A	02.16 33.0	1.9				0.1	0.2		
10	H	02.16 32.1	1.3				0.4	0.5	7.2	2.0
	Z	02.16 33.5	2.0				0.3	0.6		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	07.56 19.2	0.9				1.8	2.6		
10	H	07.56 18.8	0.6				1.4	3.0	2.2	2.7
	Z	07.56 19.5	1.0			-	5.0	4.9		
	A	08.14 45.4	0.8				0.8	0.6		
10	H	08.14 45.4	0.7				0.8	0.8	1.8	2.0
	Z	08.14 45.9	0.8			-	1.6	1.8		
	A	10.15 17.9	0.6				0.3	1.0		
10	H	10.15 19.5	1.2				0.4	0.6	3.7	2.1
	Z	10.15 18.3	0.9				0.6	1.2		
	A	12.07 08.7	1.6				0.3	1.6		
10	H	12.07 08.0	1.0			+	2.0	2.4	5.4	2.9
	Z	12.07 09.3	1.7				2.0	1.1		
	A	13.42 46.6	1.1				0.6	3.0		
10	H	13.42 46.2	0.6				1.2	1.4	2.9	2.6
	Z	13.42 47.2	1.2				2.4	2.4		
	A	14.07 01.6	1.5				0.4	1.3		
10	H	14.07 02.2	2.1				0.4	0.6	7.5	2.7
	Z	14.07 01.6	1.3				2.6	1.4		
	A	00.16 27.3	1.8				0.6	2.2		
11	H	00.16 26.4	1.1				4.7	4.2	5.1	3.3
	Z	00.16 27.5	1.8				0.9	1.0		
	A	03.38 41.7	0.9				1.0	0.6		
11	H	03.38 42.4	0.8				0.7	2.5	2.3	2.1
	Z	03.38 42.2	0.8				2.7	3.2		
	A	04.41 08.2	1.0				1.0	0.4		
11	H	04.41 08.4	0.9				1.0	0.6	2.8	2.3
	Z	04.41 08.3	0.9				3.0	1.6		
	A	04.41 52.7	1.1				0.3	0.6		
11	H	04.41 52.6	0.7				0.9	0.8	2.6	2.0
	Z	04.41 53.3	1.1				1.2	0.6		
	A	06.41 39.9	0.9				0.2	0.2		
11	H	06.41 39.9	0.9				0.6	0.4	3.1	1.6
	Z	06.41 40.7	1.5				0.2	0.1		
	A	07.48 54.7	1.0				0.6	0.4		
11	H	07.48 54.7	0.9				0.5	0.4	3.2	1.9
	Z	07.48 54.8	0.9				4.2	2.6		
	A	11.28 04.5	0.8				1.0	3.0		
11	H	11.28	1.1				0.8	0.8	2.1	2.6
	Z	11.28 04.1	0.5				12.8	7.1		
	A	13.31 17.6	1.2				0.6	0.8		
11	H	13.31	1.1				4.2	4.2	6.0	2.8
	Z	13.31 18.3	1.5			-	2.0	2.4		
	A	13.37 12.7	1.1				0.6	0.4		
11	H	13.37	1.1				1.3	1.4	5.8	2.4
	Z	13.37 13.6	1.5				0.7	1.2		
	A	13.39 18.9	1.0				1.4	1.0		
11	H	13.39	0.9			-	4.8	5.8	1.8	2.9
	Z	13.39 18.8	0.8				4.0	4.7		
	A	17.21 26.9	1.2				0.3	1.0		
11	H	17.21	0.6				2.4	2.2	3.6	2.5
	Z	17.21 28.0	1.4				0.4	0.2		
	A	17.56 42.7	0.9				0.7	1.0		
11	H	17.56	0.6				1.0	0.8	1.9	2.1
	Z	17.56 43.4	1.0			-	1.0	1.3		
	A	19.26 00.5	1.5				1.2	1.1		
11	H	19.26	1.2				1.0	0.8		2.7
	Z	19.26 00.6				-	2.0	0.5		
	A	20.28 58.2	0.9				1.3	0.6		
11	H	20.28	0.8				1.2	0.6	1.6	2.4
	Z	20.28 58.1	0.8				2.8	1.8		
	A	20.29 29.1	0.7				0.8	1.4		
11	H	20.29	1.4				0.5	0.4	3.7	2.2
	Z	20.29 29.0	0.8				1.0	1.1		
	A	21.11 12.7	0.8				0.6	0.5		
11	H	21.11	0.7				1.3	1.4	1.8	2.0
	Z	21.11 12.7	0.8				2.2	1.7		
	A	23.25 37.9	1.4			-	0.8	1.2		
11	H	23.25	1.8				0.4	0.6	7.9	2.6
	Z	23.25 37.5	1.3			+	5.4	7.1		
	A	23.54 56.3	1.1				0.4	0.9		
11	H	23.54	1.5				1.4	2.0	6.5	2.6
	Z	23.54 57.1	1.5				1.2	1.6		
	A	05.13 52.4	1.2				27.8	23.0		
12	H	05.13	0.6			+			3.3	4.4
	Z	05.13 52.9	1.3			-	10.0	10.0		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
12	A	05.15 32.9	1.0			-	1.0	2.8		
	H	05.15	0.6			+	2.0	1.8	3.5	2.7
	Z	05.15 33.4	1.3			-	2.2	1.0		
12	A	05.44 57.1	1.1				2.4	5.8		
	H	05.44	0.5			+	8.0	6.0	2.2	3.2
	Z	05.44 57.7	1.2			-	2.8	2.0		
12	A	06.02 42.0	1.0				0.5	0.6		
	H	06.02	1.0				0.8	0.4	3.5	2.1
	Z	06.02 41.9	0.9				3.1	1.8		
12	A	18.44 00.9	0.7				1.0	1.9		
	H	18.44	1.3				0.4	0.4	3.4	2.2
	Z	18.44 00.9	0.7			+	2.8	3.5		
12	A	20.29 21.6	1.3				0.4	0.6		
	H	20.29	0.9				0.4	0.4	4.8	1.9
	Z	20.29 21.6	1.3				0.8	1.3		
12	A	22.10 41.0	1.0				0.4	0.4		
	H	22.10	0.7				0.8	0.6		1.8
	Z	22.10 41.2					0.9	0.8		
12	A	22.49 40.7	1.4				0.8	1.0		
	H	22.49	1.9			+	1.4	1.7	7.8	2.9
	Z	22.49 40.5	1.3				2.8	2.4		
12	A	23.35 57.7	1.5				0.5	0.4		
	H	23.35	2.0				0.2	0.2	7.2	2.1
	Z	23.35 57.5	1.2				0.9	1.0		
13	A	00.27 40.8	1.6				0.6	0.4		
	H	00.27	2.0				0.2	0.1	8.6	2.2
	Z	00.27 40.8	1.4				2.6	1.8		
13	A	05.43 42.5	1.0			+	1.0	1.2		
	H	05.43	0.9			+	4.6	3.2	3.3	2.8
	Z	05.43 42.5	0.9				5.2	3.3		
13	A	06.40 43.7	0.9				0.2	0.3		
	H	06.40	0.9				0.9	0.6	2.7	1.8
	Z	06.40 43.8	0.8				0.8	0.6		
13	A	06.49 36.2	0.9				0.4	0.4		
	H	06.49	0.7				0.4	0.3		1.5
	Z	06.49 36.4					0.4	0.4		
13	A	08.05 37.3	1.3				0.6	0.4		
	H	08.05	0.7				0.6	0.4	2.3	2.0
	Z	08.05 37.6	1.3				1.0	0.8		
13	A	08.24 46.0	1.6				0.9	0.8		
	H	08.24	1.9				1.0	1.0	7.8	2.8
	Z	08.24 45.8	1.3				2.3	1.8		
13	A	09.04 59.2	1.3				0.6	0.8		
	H	09.04	1.8				0.4	0.4	7.5	2.4
	Z	09.04 58.9	1.3				1.6	1.0		
13	A	11.48 17.5	1.5				0.4	0.5		
	H	11.48	1.7				0.3	0.2	7.4	2.2
	Z	11.48 17.0	1.3				2.4	3.0		
13	A	13.50 28.1	1.0				0.8	1.2		
	H	13.50	1.7			-	0.5	0.6	4.9	2.5
	Z	13.50 28.0	0.9				2.6	4.7		
13	A	18.30 19.7	1.0				1.0	2.0		
	H	18.30	1.7			-	2.0	2.4	4.4	3.0
	Z	18.30 19.4	0.8				8.2	12.1		
13	A	20.37 36.7	0.9				0.4	0.4		
	H	20.37	1.3				0.6	0.6	4.5	1.9
	Z	20.37 35.9	0.8				3.0	3.9		
13	A	22.32 27.9	1.3				0.6	1.0		
	H	22.32	0.9				1.2	1.4	3.8	2.5
	Z	22.32 28.0	1.3				0.8	0.9		
14	A	00.18 01.0	1.2				0.9	1.7		
	H	00.18	1.1				2.6	4.6	4.5	3.1
	Z	00.18 00.6	1.0			-	3.8	3.6		
14	A	04.09 19.5	0.7				0.4	0.7		
	H	04.09	0.7				0.7	1.2	2.2	2.0
	Z	04.09 19.4	0.9				0.8	1.0		
14	A	04.37 54.2	0.8				0.5	1.0		
	H	04.37	0.7				1.0	1.0	1.9	2.0
	Z	04.37 54.2	0.9				0.6	0.5		
14	A	04.42 37.2	0.9				2.1	2.0		
	H	04.42	0.7			-	3.6	2.3	2.0	2.7
	Z	04.42 37.6	0.9				2.7	2.8		
14	A	04.43 07.0	0.9				1.0	0.8		
	H	04.43	0.7			-	1.2	2.0	1.1	2.4
	Z	04.43 07.2	0.8				1.4	1.3		
14	A	04.43 10.2	0.8			+	0.7	1.1		
	H	04.43				-	0.8	2.1		2.3
	Z	04.43 10.5	0.8				1.4	1.4		
14	A	04.43 21.8	0.9				1.2	1.0		
	H	04.43				-	0.6	1.4		2.2
	Z	04.43 22.0					0.8	1.2		
14	A	06.51 26.3	0.9				1.2	1.2		
	H	06.51	0.7				1.0	1.4	1.1	2.3
	Z	06.51 25.8	0.8				1.8	1.1		
14	A	07.55 44.0	1.0				0.4	1.7		
	H	07.55	0.7				0.7	0.7	3.5	2.2
	Z	07.55 44.1	1.2				0.6	1.2		
14	A	11.00 09.8	1.2				1.3	3.8		
	H	11.00	0.7			+	11.0	7.0	4.2	3.4
	Z	11.00	1.5			-	2.6	2.1		
14	A	15.05 47.8	1.3				6.9	9.0		
	H	15.05	0.6			+	9.6	6.8	2.5	3.6
	Z	15.05 48.2	1.4				18.2	12.9		
14	A	22.02 58.1	1.2				0.8	0.6		
	H	22.02	0.6			+	1.1	1.0	2.6	2.2
	Z	22.02 58.5	1.3				0.7	0.5		
15	A	00.25 52.1	1.0				0.6	0.8		
	H	00.25	1.3				0.6	0.4	3.7	2.3
	Z	00.25 51.7	0.6				5.0	5.5		
15	A	03.58 28.1	1.0				1.1	2.6		
	H	03.58	0.7				1.6	1.2	3.7	2.6
	Z	03.58 28.7	1.3			-	1.2	1.2		
15	A	05.22 37.8					1.4	3.1		
	H	05.22	1.0				1.2	1.9		3.0
	Z	05.22 37.3	0.9				7.2	9.2		
15	A	05.53 21.0	1.0				0.3	1.7		
	H	05.53	0.6				2.0	1.8	3.5	2.6
	Z	05.53 21.6	1.3				0.4	0.4		
15	A	06.03 51.1	1.1				0.9	1.6		
	H	06.03	1.2				2.2	2.5	6.2	2.9
	Z	06.03 51.9	1.5				1.8	1.7		
15	A	08.08 39.2	1.0					1.0		
	H	08.08	0.6				1.1	0.8	3.5	2.2
	Z	08.08 39.9	1.3				0.4	0.3		
15	A	11.56 54.7	1.1				0.4	0.6		
	H	11.56	0.8						4.2	2.1
	Z	11.56 55.5	1.2				0.5	0.5		
15	A	16.34 17.7	0.7				0.6	0.5		
	H	16.34	0.7						2.6	1.7
	Z	16.34 18.5	1.2				0.4	0.6		
15	A	17.50 14.2	1.5				0.6	0.6		
	H	17.50	1.9						8.0	2.4
	Z	17.50 14.2	1.3				2.6	3.7		
15	A	17.54 25.0	1.4				6.2	4.8		
	H	17.54	1.1			+			5.5	3.6
	Z	17.54 25.4	1.3				6.5	6.2		
15	A	20.00 49.5	1.2				1.0	0.8		
	H	20.00	1.5			-			3.6	2.4
	Z	20.00 49.1	0.7				5.2			
15	A	23.09 46.8	0.5				0.8	0.6		
	H	23.09	1.0						2.3	1.6
	Z	23.09 47.3	0.7				1.8	0.8		
16	A	10.49 45.8	1.1				3.3	0.6		
	H	10.49	0.6				11.4	12.6	2.9	3.5
	Z	10.49 46.4	1.2				1.3	1.2		
16	A	10.56 08.9	1.0				0.7	1.4		
	H	10.56	0.6				1.6	2.0	3.3	2.5
	Z	10.56 09.4	1.3				0.8	0.9		
16	A	14.24 04.9	1.1				2.1	3.6		
	H	14.24 03.8	0.8			+	2.4	6.0	4.1	3.2
	Z	14.24 05.3	1.6			-	5.6	8.8		
16	A	17.08 53.3	1.2				3.6	3.8		
	H	17.08 52.4	0.7					3.8	4.1	3.1
	Z	17.08 53.6	1.4			-	4.0	2.0		
16	A	17.20 55.1	0.9				0.4	0.5		
	H	17.20 54.9	0.5					0.5	1.6	1.5
	Z	17.20 55.1	1.0				1.2	1.0		
16	A	18.41 05.8	1.2				3.1	7.0		
	H	18.41 05.7	1.2				4.0	5.0	6.2	3.5
	Z	18.41 06.7	1.6			-	3.6	5.2		

Dec. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	21.53 17.6	1.2				1.3	0.6		
16	H	21.53 16.5	0.6			-	8.6	5.7	3.7	2.9
	Z	21.53 18.2	1.5				0.6	0.5		
	A	23.23 06.1	0.8				1.6	2.6		
16	H	23.23 05.5	0.5			+	2.2	2.8	2.3	2.6
	Z	23.23 06.5	1.1				0.9	1.2		
	A	00.56 47.4	0.9					0.4		
17	H	00.56 47.0	0.9				1.4	1.5	4.2	2.1
	Z	00.56 47.4	1.0				1.6	1.6		
	A	01.35 44.6	1.0				1.4	1.0		
17	H	01.35 44.5	0.9				3.6	3.7	3.1	2.8
	Z	01.35 44.4	0.9				12.0	10.5		
	A	02.55 43.8	1.0				4.2	3.4		
17	H	02.55 43.4	0.9			-	9.6	11.2	3.3	3.5
	Z	02.55 43.7	0.9				6.4	7.0		
	A	03.23 21.4	1.1				0.8	2.2		
17	H	03.23 21.4	1.2				0.4	1.0	6.0	2.7
	Z	03.23 22.2	1.5			-	0.6	1.2		
	A	03.51 15.0	1.1				0.6	1.0		
17	H	03.51 14.6	0.8			+	2.0	3.6	4.6	2.7
	Z	03.51 15.7	1.4				1.0	0.5		
	A	11.15 18.3	0.9				1.8	1.8		
17	H	11.16 17.7	0.6				1.9	2.3	2.3	2.6
	Z	11.16 18.3	1.0				2.6	2.5		
	A	19.32 32.8	0.4				0.3	1.5		
17	H	19.32 33.2	1.0			+	0.8	0.6	2.3	1.7
	Z	19.32 32.9	0.7				0.9	1.1		
	A	00.13 07.7	1.0				0.3	0.3		
18	H	00.13 07.2	0.8				0.4	0.3	2.4	1.6
	Z	00.13 07.6	0.9				0.6	0.4		
	A	02.46 11.3	1.3				1.4	2.2		
18	H	02.46 10.1	0.7			+	4.0	3.8	3.8	3.0
	Z	02.46 11.7	1.4				2.0	2.2		
	A	03.12 15.6	1.3				1.0	2.0		
18	H	03.12 15.4	1.4			-	1.4	1.9	3.3	2.9
	Z	03.12 14.6	0.8			+	10.2	8.6		
	A	06.17 22.8	1.1				0.8	0.9		
18	H	06.17 22.4	0.9				2.6	2.0	3.7	2.6
	Z	06.17 23.1	1.1				1.1	0.9		
	A	07.53 52.5					0.4	1.0		
18	H	07.53 52.0	4.2				1.4	1.2		3.7
	Z	07.53 52.6	4.7				0.4	0.6		
	A	08.49 50.2	0.9				0.5	0.6		
18	H	08.49	1.2				0.2	0.2	3.1	1.7
	Z	08.49 49.6	0.6			+	3.8	2.7		
	A	11.32 18.6	0.9				2.1	2.0		
18	H	11.32 18.0	0.7			+	4.2	3.2	0.9	2.8
	Z	11.32 18.7	0.8			-	7.2	6.0		
	A	17.05 20.5					0.2	0.6		
18	H	17.05 19.7					0.4	0.3		2.0
	Z	17.05 20.6					0.4	0.3		
	A	17.52 49.1	0.8				2.4	4.1		
18	H	17.52 49.5	1.4			-	1.7	1.3	3.4	2.9
	Z	17.52 48.8	0.6				4.2	6.7		
	A	17.56 06.9	0.8				7.8	6.6		
18	H	17.56 07.3	1.3			-	3.5	3.4	4.0	3.3
	Z	17.56 06.0	0.7				11.2	12.3		
	A	17.57 14.5	0.6				1.0	1.3		
18	H	17.57 14.8	1.3				0.1	0.1	2.3	1.6
	Z	17.57 14.0	0.6				1.4	1.0		
	A	19.06 11.8	0.9				0.3	0.2		
18	H	19.06 11.2	0.8				0.6	0.4	1.0	1.7
	Z	19.06 11.6	0.7				1.2	0.4		
	A	20.48 32.0	1.2				0.2	0.4		
18	H	20.48 31.9					0.6	1.0		1.9
	Z	20.48 32.3					0.3	0.2		
	A	21.04 42.3	1.0				0.4	0.4		
18	H	21.04 41.7					0.4	0.4		1.7
	Z	21.04 42.2	0.8				1.2	0.9		
	A	04.32 04.4	1.0				0.8	1.1		
19	H	04.32 03.9					1.6	1.8		2.4
	Z	04.32 04.4					2.0	1.2		
	A	11.52 21.8	0.9				0.6	1.5		
19	H	11.52 20.9	0.5				2.3	2.1	2.0	2.4
	Z	11.52 21.9	1.1				0.4	0.4		

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
	A	17.52 48.5	1.1				0.4	0.8		
19	H	17.52 47.6	0.7				1.3	1.4	2.8	2.[illegible]
	Z	17.52 48.4	1.1				0.8	0.8		
	A	18.45 16.5	0.9				5.5	7.8		
19	H	18.45 15.9	0.7			-	9.2	7.0	3.5	3.[illegible]
	Z	18.45 16.6	1.1				4.8	3.9		
	A	23.08 52.9	1.3				0.6	1.0		
19	H	23.08 53.5	1.8				0.6	0.7	7.1	2.[illegible]
	Z	23.08 52.7	1.2				2.6	4.0		
	A	00.28 08.5	1.0				0.5	1.4		
20	H	00.28 08.4	1.0				0.8	1.0	5.3	2.[illegible]
	Z	00.28	1.3				0.6	0.6		
	A	07.34 47.6	1.1				1.8	1.2		
20	H	07.34 47.1	1.0				3.4	3.1	4.3	2.[illegible]
	Z	07.34 47.4	1.1				5.9	7.0		
	A	10.34 48.6	1.2				7.6	14.6		
20	H	10.34 48.4	1.3			+	11.2	13.8	6.2	4.[illegible]
	Z	10.34 49.1	1.7				7.6	10.2		
	A	13.59 22.2	1.0				0.9	1.0		
20	H	13.59 21.2					1.6	1.1		2.[illegible]
	Z	13.59 22.2	1.0				1.4	1.5		
	A	15.12 29.5	0.8				1.3	2.1		
20	H	15.12 29.8	1.3				2.0	1.8	2.3	2.[illegible]
	Z	15.12 28.5	0.4				24.1			
	A	15.20 12.8					2.8	2.3		
20	H	15.20 12.9	1.4			+	1.4	1.7		2.[illegible]
	Z	15.20 12.0	0.8				15.1			
	A	16.01 46.0	0.8				2.6	2.4		
20	H	16.01 46.8	1.5				1.3	1.8	4.3	2.[illegible]
	Z	16.01 46.2	0.9				5.0	6.6		
	A	16.07 23.6	0.7				0.4	0.7		
20	H	16.07 23.6	0.9				0.6	1.0	3.5	2.[illegible]
	Z	16.07 24.2	1.2				0.7	0.6		
	A	16.24 00.5	1.1				1.8	1.0		
20	H	16.24 00.1	1.0			-	2.4	1.6	4.3	2.[illegible]
	Z	16.24 00.2	1.0			+	7.6	5.0		
	A	17.29 12.6	1.0				4.6	3.9		
20	H	17.29 12.4	1.0				8.9	7.0	4.4	3.[illegible]
	Z	17.29 12.5	1.0			-	26.0	15.1		
	A	18.52 56.1	2.0				0.2	0.4		
20	H	18.52 55.6	1.6				1.0	1.4	7.3	2.[illegible]
	Z	18.52 56.2	1.9				0.6	0.3		
	A	21.45 56.0	1.0				1.0	2.0		
20	H	21.45 55.6	0.8				3.0	3.1		2.[illegible]
	Z	21.45 56.1					5.2	5.8		
	A	01.39 44.0	1.0				1.0	0.7		
21	H	01.39 43.6	0.8				1.6	1.3	2.4	2.[illegible]
	Z	01.39 44.1	0.9				1.9	1.3		
	A	03.17 49.6	1.8				0.2	0.4		
21	H	03.17 50.3	2.5				0.2	0.2	7.6	2.[illegible]
	Z	03.17 49.5	1.5				0.4	0.7		
	A	09.22 50.6	1.0				0.4	1.3		
21	H	09.22 49.2	1.0				0.4	0.4	5.0	2.[illegible]
	Z	09.22 50.8	1.2				0.6	1.0		
	A	10.58 17.3	0.8				0.4	0.8		
21	H	10.58 18.2	1.4				0.5	0.5	3.7	2.[illegible]
	Z	10.58 16.9	0.7				1.2	3.4		
	A	12.55 16.4	1.4				21.0	12.8		
21	H	12.55 15.2	1.0			-	25.0	33.6	5.5	4.[illegible]
	Z	12.55 16.2	1.4			-	17.5	14.6		
	A	12.59 39.9	1.2				0.6	0.8		
21	H	12.59 39.0	0.8			+	1.1	1.8	3.7	2.[illegible]
	Z	12.59 39.9	1.2				1.0	0.6		
	A	21.06 13.3	1.4				0.3	0.5		
21	H	21.06 12.2	0.8				0.4	0.4	4.1	1.[illegible]
	Z	21.06 13.7	1.4				0.2	0.4		
	A	00.44 01.7	1.6				0.3	0.6		
22	H	00.44 02.2	2.5				0.3	0.4	5.8	2.[illegible]
	Z	00.44 01.6	1.5				1.7	2.2		
	A	01.40 36.1	0.8				0.7	0.8		
22	H	01.40 36.5	1.5				0.2	0.2	3.7	1.[illegible]
	Z	01.40 36.0	0.7			+	2.3	2.7		
	A	09.34 15.6	1.5				1.1	0.8		
22	H	09.34 14.6	0.9				1.7	1.0	2.8	2.[illegible]
	Z	09.34 15.7	1.4				0.6	0.7		

International Seismological Centre

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Dec. 1966
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
22	A	12.33 03.5	0.7				2.6	3.0		
	H	12.33 03.7	1.0				0.9	1.2	4.1	2.6
	Z	12.33 04.1	1.2				1.2	0.6		
22	A	12.40 23.1	0.7				0.6	0.8		
	H	12.40 23.2	1.2				0.5	0.6	2.8	2.0
	Z	12.40 22.4	0.6				4.8	10.2		
22	A	12.52 39.4	1.3				2.0	2.0		
	H	12.52 40.1	2.0				2.7	3.0	5.9	3.2
	Z	12.52 39.0	1.1				2.9	10.0		
22	A	12.55 28.8	1.3				1.7	1.8		
	H	12.55 29.3	2.0				1.8	1.9	6.0	3.1
	Z	12.55 28.4	1.1				5.3	15.6		
22	A	14.43 28.0	0.9				1.4	2.6		
	H	14.43 27.7	0.8				1.6	1.4	3.9	2.6
	Z	14.43 28.7	1.3				2.0	2.6		
22	A	17.12 21.8	1.2				0.8	0.8		
	H	17.12 21.2	1.0			-	1.7	1.0	3.5	2.5
	Z	17.12 21.6	1.0				3.3	3.4		
22	A	20.44 09.8	1.1				0.5	0.4		
	H	20.44 09.5	1.0				1.0	0.8	4.8	2.1
	Z	20.44 09.7	1.1				2.4	2.4		
23	A	00.33 08.6	1.5				0.4	0.5		
	H	00.33 09.1	2.3				0.4	0.3	6.5	2.4
	Z	00.33	1.3				1.6	1.3		
23	A	02.48 01.4	1.0				0.8	0.6		
	H	02.48 01.3	0.9				1.1	1.2	1.6	2.3
	Z	02.48 01.4	0.8				4.7	5.1		
23	A	03.22 10.3	1.0				0.3	0.2		
	H	03.22 10.0	1.0				0.4	0.3	1.8	1.7
	Z	03.22 10.1	0.7				1.2	1.0		
23	A	04.04 30.7	1.2			-	3.2	2.9		
	H	04.04 30.4	1.8				4.0	5.6	6.1	3.5
	Z	04.04 30.7	1.1				8.8	23.5		
23	A	04.43 36.9	1.1				1.2	1.1		
	H	04.43 36.6	0.8				1.8	2.8	3.2	2.7
	Z	04.43 37.0	1.0				4.3	2.4		
23	A	05.20 46.6	1.0				0.4	0.3		
	H	05.20 45.8	0.9				1.2	0.6	3.7	2.1
	Z	05.20 46.3	1.0				2.5	2.4		
23	A	06.53 06.4	1.1				0.4	0.6		
	H	06.53 06.2	1.1				0.5	0.4	5.6	2.0
	Z	06.53 07.1	1.5				0.6	0.7		
23	A	15.50 52.9	1.7				0.4	0.8		
	H	15.50 54.0	2.0				0.4	0.4	7.7	2.5
	Z	15.50 52.3	1.3				3.4	2.6		
23	A	16.37 46.7	0.9				0.8	0.8		
	H	16.37 46.4	0.8			-	2.1	2.5		2.4
	Z	16.37 46.7					5.8	4.6		
23	A	17.15 07.8	0.9				0.8	0.4		
	H	17.15 07.5	0.8				1.8	1.7	1.1	2.3
	Z	17.15 07.3	0.7				4.2	2.7		
23	A	17.30 47.9	0.9				18.4	9.6		
	H	17.30 47.1	0.7				4.9	5.3	2.6	3.5
	Z	17.30 47.8	1.0				15.4	13.2		
23	A	23.24 49.8	1.0				3.6	4.8		
	H	23.24 48.9	0.5			+	8.0	6.8	2.3	3.2
	Z	23.24 50.0	1.1				2.8	3.0		
24	A	00.42 22.9	0.9				0.4	0.4		
	H	00.42 22.2	0.6				0.5	0.4	2.2	1.6
	Z	00.42 23.1	1.0			-	1.0	1.0		
24	A	00.42 48.9	0.9				1.4	1.4		
	H	00.42 48.2	0.6			-	1.7	1.8	2.6	2.4
	Z	00.42 49.1	1.0			-	1.0	2.4		
24	A	04.44 56.1	1.1				1.3	2.0		
	H	04.44 55.9	1.2				2.4	5.2	4.5	3.1
	Z	04.44 55.7	0.9				3.0	2.9		
24	A	07.46 26.4	0.9				0.3	0.4		
	H	07.46 26.8	1.4				0.2	0.2	3.1	1.6
	Z	07.46 25.7	0.5				3.3	2.7		
24	A	07.47 43.0	1.0				7.3	6.5		
	H	07.47 43.5	1.5				5.1	6.5	4.8	3.6
	Z	07.47 42.2	0.8			-	29.0	21.6		
24	A	09.39 00.0	1.6				0.6	0.8		
	H	09.39 00.1	2.2				0.4	0.2	8.3	2.5
	Z	09.38 59.2	1.4				4.5	3.3		
24	A	10.46 32.9	1.4				1.0	1.0		
	H	10.46 33.5	2.1				0.4	0.5	7.3	2.6
	Z	10.46 32.6	1.3				3.1	2.7		
24	A	15.40 05.6	1.0				0.4	0.8		
	H	15.40 05.4	1.1				0.4	0.4	5.6	2.0
	Z	15.40 06.1	1.3				0.5	0.2		
24	A	17.57 56.5	1.1				1.0	1.0		
	H	17.57 57.6	1.8			+	0.6	1.0	4.9	2.6
	Z	17.57 56.9	0.9			-	5.4	7.7		
24	A	19.31 23.0	1.1				1.4	1.0		
	H	19.31 22.3	0.8				2.0	2.0	1.4	2.6
	Z	19.31 22.9	0.9				2.8	1.4		
24	A	19.36 54.0	1.1				0.4	0.5		
	H	19.36 53.2	0.8				0.8	0.9	3.5	2.0
	Z	19.36 53.6	1.0				1.5	1.1		
24	A	21.41 30.5	1.2				0.2	0.4		
	H	21.41 31.1	1.9				0.4	0.3	5.8	2.2
	Z	21.41 30.1	1.1				1.5	2.8		
25	A	02.03 28.6	1.2				0.7	0.6		
	H	02.03 29.0	1.9				0.4	0.4	5.6	2.3
	Z	02.03 28.3	1.0				1.3	1.9		
25	A	06.28 57.0	0.9				0.6	1.0		
	H	06.28 56.7	0.7				0.6	1.0	3.6	2.1
	Z	06.28 57.8	1.3				0.3	0.5		
25	A	08.32 57.7	1.4				1.4	1.2		
	H	08.32 58.3	1.9				1.5	1.2	7.2	2.9
	Z	08.32 57.6	1.2				2.4	4.3		
25	A	08.33 18.4	1.3				1.1	1.3		
	H	08.33 19.1	1.9				0.6	0.7	7.0	2.7
	Z	08.33 18.5	1.2				3.4	2.7		
25	A	09.21 10.2	1.0				0.8	1.4		
	H	09.21	1.8				1.3	1.1	5.1	2.7
	Z	09.21 10.8	1.3				0.8	0.7		
25	A	12.45 49.9	1.0			+	1.5	1.4		
	H	12.45	1.1			-	2.4	1.1	5.1	2.7
	Z	12.45 50.2	1.1				3.0	2.3		
25	A	15.06 16.6	0.6			+	0.7	1.2		
	H	15.06	0.7			+	1.3	2.0	1.5	2.2
	Z	15.06 17.4	1.2				1.0	0.7		
25	A	17.15 43.6	1.0				2.4	6.9		
	H	17.15 44.2	1.4				2.6	2.9	4.8	3.4
	Z	17.15 43.1	0.8			+	25.0	15.6		
25	A	17.17 17.8	1.0				2.0	2.7		
	H	17.17 18.2	1.5				2.7	3.0	4.8	3.1
	Z	17.17 17.6	0.8			-	5.3	8.0		
25	A	19.38 02.2	0.9				2.2	0.9		
	H	19.38 01.6	0.6				3.3	4.2	1.7	2.8
	Z	19.38 02.6	0.9			-	1.0	0.9		
25	A	24.24 09.6	0.9			-	1.0	1.4		
	H	20.24 10.3	1.4				1.7	2.2	4.7	2.8
	Z	20.24 09.3	0.8				4.5	7.4		
25	A	20.37 31.7	0.9				1.0	0.4		
	H	20.37 31.1				-	2.5	2.6		2.4
	Z	20.37					2.5	2.5		
25	A	20.45 32.1	1.0			-	0.5	0.7		
	H	20.45 32.3	0.6				0.4	0.4	3.0	1.8
	Z	20.45 33.0	1.5				0.8	0.7		
25	A	23.35 16.6	1.1			+	13.0	5.9		
	H	23.35 16.5	0.9			-	15.8	10.8	3.6	3.9
	Z	23.35 16.6	1.0			+	13.3	16.8		
26	A	00.30 43.0	1.0				0.7	1.4		
	H	00.30 43.5	1.5				0.6	0.4	3.3	2.4
	Z	00.30 42.8	0.7				4.2	6.0		
26	A	00.35 01.1	0.8				0.8	0.5		
	H	00.35 00.7					1.3	1.0		1.9
	Z	00.35 01.9					0.3	0.2		
26	A	06.00 33.1	1.0				0.5	0.8		
	H	06.00 33.9	1.8			-	0.3	0.5	4.8	2.3
	Z	06.00 32.8	0.9			-	2.8	3.5		
26	A	06.13 20.1	1.9				0.5	0.6		
	H	06.13 19.5	0.8			-	4.1	4.4	3.5	2.5
	Z	06.13 20.1	1.1				2.0	1.9		
26	A	07.27 54.7	1.1			+	1.0	1.7		
	H	07.27 54.4	0.9			-	2.5	2.1		2.8
	Z	07.27 54.7					9.0	6.8		

Dec. 1966

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
26	A	07.37 06.1	1.1				0.9	1.4		
	H	07.37 06.9	0.9				1.4	1.6	4.7	2.9
	Z	07.37 05.9	1.0				4.8	7.7		
26	A	07.37 18.6	0.9				0.9	0.6		
	H	07.37 19.4	1.9			+	1.4	1.7	2.7	2.7
	Z	07.37 18.5	0.9				2.0	6.4		
26	A	08.08 28.3	1.5				0.3	0.5		
	H	08.08 28.8	1.9				0.3	0.2	7.6	2.2
	Z	08.08 27.9	1.3				2.0	1.8		
26	A	08.25 05.3	1.5				0.4	0.6		
	H	08.25 05.9	1.9				0.5	0.4	7.6	2.4
	Z	08.25 04.9	1.3				1.4	1.7		
26	A	09.00 02.7	1.3				0.5	0.6		
	H	09.00 01.7	0.7				0.6	0.4	3.2	2.0
	Z	09.00 02.8	1.3				0.6	0.5		
26	A	10.58 07.4	1.2			-	0.7	0.5		
	H	10.58	0.9				1.0	0.8	3.6	2.3
	Z	10.58 07.1	1.1				1.9	4.3		
26	A	12.11	0.9			-	0.4	0.4		
	H	12.11 09.6	1.4				0.2	0.2	3.6	1.6
	Z	12.11 09.1	0.6			+	3.0	2.2		
26	A	12.44 19.2	1.5			+	0.3	0.8		
	H	12.44	1.3			+	0.9	0.8	7.1	2.5
	Z	12.44 19.3	1.6				1.8	1.2		
26	A	13.05 16.6	1.2			-	3.8	3.6		
	H	13.05 17.4	1.8			-	4.9	6.2	5.9	3.5
	Z	13.05 16.4	1.0			+	4.8	18.8		
26	A	13.37	1.0				0.3	1.2		
	H	13.37 27.6	0.8			-	0.6	0.5	4.4	2.1
	Z	13.37 28.8	1.4				1.0	1.0		
26	A	17.05 37.0	0.9			+	0.4	0.4		
	H	17.05 36.4	0.7			-	0.9	1.1		1.9
	Z	17.05 37.0				-	3.2	2.9		
26	A	19.10 48.1	1.6			+	0.9	0.6		
	H	19.10	1.0			+	0.5	0.7	5.7	2.4
	Z	19.10 48.1	1.6				0.5	0.5		
26	A	21.04	0.8			+	0.4	0.6		
	H	21.04 40.5	1.2				0.3	0.2	2.7	1.8
	Z	21.04 40.0	0.5			+	3.6	4.1		
27	A	00.15 28.3	1.4			+	1.7	2.4		
	H	00.15 27.1	0.8			+	0.8	1.0	4.0	2.6
	Z	00.15 28.6	1.5			-	1.0	1.0		
27	A	01.35 34.3	0.9			-	0.2	0.6		
	H	01.35 33.1	0.5			+	0.6	0.7	1.9	1.7
	Z	01.35 34.6	1.1			+	0.4	0.2		
27	A	02.14 02.0	1.1				0.4	0.4		
	H	02.14 02.6	1.8			-	0.5	0.3	5.1	2.1
	Z	02.14 01.7	1.0			+	2.2	4.0		
27	A	06.02 53.7	0.8			-	1.8	2.8		
	H	06.02 52.9	0.5			-	3.2	2.7	1.7	2.7
	Z	06.02 54.0	1.0				0.9	0.9		
27	A	06.56 33.8	0.8			+	0.4	0.5		
	H	06.56 33.3	0.7			+	0.9	0.9	3.2	1.9
	Z	06.56 34.3	1.2				0.8	0.4		
27	A	13.13 29.5	0.9			+	1.2	1.5		
	H	13.13 29.1	0.9			-	11.2	7.1	1.4	3.1
	Z	13.13 29.4	0.7				11.2	10.0		
27	A	14.29 24.4	0.6			-	0.8	0.7		
	H	14.29 24.4	1.1			-	0.7	0.7	3.5	2.0
	Z	14.29	1.1				1.0	0.8		
27	A	17.12 45.4	0.8				0.4	0.4		
	H	17.12	0.9				0.3	0.2	3.4	1.5
	Z	17.12 45.6	0.9			+	0.7	1.4		
27	A	20.49 41.4	0.9				0.5	0.6		
	H	20.49 40.7	0.7			+	0.7	0.9	3.7	1.9
	Z	20.49 42.1	1.2				0.7	0.5		
27	A	23.06 41.8	1.1			+	1.1	2.2		
	H	23.06 40.8	0.7				5.2	4.3	3.8	2.9
	Z	23.06 42.1	1.3			-	1.9	1.0		
27	A	23.41 41.5	0.8			-	0.4	0.6		
	H	23.41	0.7			-	1.4	1.4	1.7	2.0
	Z	23.41 41.1	0.8			-	2.1	2.6		
27	A	23.56 38.2	1.1				0.2	0.4		
	H	23.56 37.3	0.6				0.2	0.2	3.1	1.3
	Z	23.56 38.4	1.3				0.6	0.4		
28	A	02.11 14.5	0.7				4.5	3.6		
	H	02.11 15.2	1.4			-	3.8	5.9		3.8
	Z	02.11 14.4	0.8				5.1	12.5		
28	A	02.57 44.4	1.0			-	0.7	0.7		
	H	02.57 45.2	1.7			-	1.1	1.5		5.2
	Z	02.57 44.6	1.0			+	5.2	4.4		
28	A	03.03 40.2	1.2				0.3	0.6		
	H	03.03 41.3	1.6				0.6	0.5		6.3
	Z	03.03 40.0	1.1				3.6	6.4		
28	A	09.15 21.4	0.7				0.4	0.5		
	H	09.15 22.4					0.3	0.3		
	Z	09.15 21.0	0.5			+	1.4	2.7		
28	A	09.20 48.6	0.6				0.8	1.2		
	H	09.20 49.0	1.3				0.2	0.2		2.4
	Z	09.20 48.2	0.5			+	1.3	2.8		
28	A	13.07 41.8	1.0			+	3.7	5.2		
	H	13.07 41.0				+	6.6	5.2		
	Z	13.07 41.9	1.0			-	9.8	9.5		
28	A	15.41 35.8	0.9				0.3	0.8		
	H	15.41 35.5	0.9				0.3	0.3		4.5
	Z	15.41 36.3	1.2				0.3	0.4		
29	A	07.02 55.6	0.9			-	0.6	1.5		
	H	07.02 55.0	0.7			+	2.0	1.5		2.3
	Z	07.02 55.9	0.9				1.2	0.9		
29	A	08.08 24.6	1.0				0.4	1.0		
	H	08.08 24.1	0.7			+	1.3	0.8		1.5
	Z	08.08 24.7	0.9			-	1.3	1.1		
29	A	13.54 33.0	1.1				0.7	1.5		
	H	13.54 33.1	1.0			-	0.9	1.2		2.7
	Z	13.54 32.9	0.8			+	3.8	5.0		
29	A	17.59 23.8	1.5				1.5	2.9		
	H	17.59 24.5	1.9			+	1.4	1.8		7.6
	Z	17.59 23.7	1.3				5.2	4.4		
29	A	23.39 13.8	1.1				0.4	0.3		
	H	23.39	1.0				0.3	0.2		2.9
	Z	23.39 13.6	0.9			-	2.1	0.9		
30	A	03.31 51.7	1.6				0.4	0.3		
	H	03.31 52.9	1.9				0.3	0.2		7.5
	Z	03.31 51.4	1.3				1.8	1.7		
30	A	11.17 19.9	1.1			-	1.7	1.4		
	H	11.17 20.2	1.2			+	1.7	2.2		6.2
	Z	11.17 20.4	1.5			-	1.5	1.7		
30	A	13.22 47.8	1.0			-	0.3	0.5		
	H	13.22 47.9	0.9			+	0.3	0.4		4.6
	Z	13.22 48.7	1.4				0.6	0.4		
30	A	13.47 13.0	1.0				0.4	1.4		
	H	13.47 12.4	0.6				0.7	0.7		3.0
	Z	13.47 13.3	1.2				0.7	0.5		
30	A	13.51 11.9	1.0				0.4	2.1		
	H	13.51 11.3	0.6				1.4	2.0		3.0
	Z	13.51 12.4	1.2				0.6	0.5		
30	A	13.53 44.5	0.6				0.5	0.8		
	H	13.53 45.3	1.2				0.3	0.3		2.0
	Z	13.53 44.2	0.4			+	5.0	4.9		
30	A	14.58 48.5					0.8	0.8		
	H	14.58 49.3	1.5				0.3	0.3		
	Z	14.58 48.0	0.6			-	4.2	3.2		
30	A	16.57 09.8	1.3				0.3	0.4		
	H	16.57 10.3	1.8				0.2	0.2		7.3
	Z	16.57 09.5	1.2			+	1.0	1.8		
30	A	17.59 46.9	1.6			+	0.3	0.6		
	H	17.59 47.4	2.0			+	0.4	0.3		8.1
	Z	17.59 46.7	1.4				1.2	2.9		
30	A	18.22 25.2	1.1			+	3.2	3.2		
	H	18.22 24.5	0.8			-	13.6	11.4		2.3
	Z	18.22 25.1	1.0				9.4	5.5		
30	A	20.36 35.3	0.9			+	0.6	0.6		
	H	20.36 35.5	0.9			-	0.6	0.7		2.7
	Z	20.36 35.3	0.8			+	2.7	4.1		
31	A	02.59 05.6	0.6				0.3	0.7		
	H	02.59	0.7				0.3			2.0
	Z	02.59	1.0				0.3	0.2		
31	A	05.31 24.7	1.5				0.2	0.5		
	H	05.31 25.5	1.8				0.4	0.3		8.2
	Z	05.31 24.5	1.4				1.2	0.8		

International Seismological Centres

Observations by the Network of the Earthquake Research Institute during the Period from Oct. 1965 to Dec. 1966

Dec. 1965
International Seismological Centre

Date	Station	P-Time (J.S.T.) h m s	S-P (sec)	Initial Motion (mm) E	N	U	Half of Max. Amplitude (mm) E-W	N-S	Depth (km)	Magnitude
31	A	10.11	0.8			-	0.1	0.5		
	H	10.11 10.3	0.9				0.4	0.3	4.1	1.7
	Z	10.11 10.0	1.1				0.6	0.3		
31	A	11.07 48.9	0.6			-	1.5	3.0		
	H	11.07 49.5	0.9				0.7	0.7	3.4	2.3
	Z	11.07 49.7	1.1				0.4	0.2		
31	A	11.20 54.1	1.0					0.4		
	H	11.20 53.7	0.7			-	1.2	1.0	2.2	1.9
	Z	11.20	1.0				1.0	0.8		
31	A	19.51 06.4	1.0			-	2.2	6.2		
	H	19.51 06.1	0.5				6.3	7.2	2.8	3.2
	Z	19.51 07.1	1.3				1.5	1.6		
31	A	19.51 21.8	1.0				0.6	1.5		
	H	19.51 21.1	0.5				1.7	1.8	2.6	2.4
	Z	19.51 21.9	1.2				0.7	0.6		
31	A	20.19 09.6	1.1				2.2	5.1		
	H	20.19 09.0	0.5			+	7.2	8.8	2.5	3.2
	Z	20.19 10.1	1.2			-	1.4	1.6		
31	A	20.23 08.7	1.1			-	2.0	3.8		
	H	20.23 08.1	0.5				3.7	5.2	2.5	3.0
	Z	20.23 09.1	1.3				2.8	2.0		
31	A	20.25 06.2	1.1				0.8	1.4		
	H	20.25 05.7	0.4				2.3	1.8	1.0	2.4
	Z	20.25 06.6	1.2				0.6	0.4		
31	A	20.40 40.9	1.1				1.9	3.5		
	H	20.40 40.3	0.5			+	5.6	5.0	2.2	3.0
	Z	20.40 41.3	1.2			-	1.0	1.7		
31	A	21.36 30.3	1.1				1.5			
	H	21.36 29.7	0.5				3.6	2.8	2.1	2.6
	Z	21.36 30.6	1.2				0.8	1.0		
31	A	21.40 06.0	1.2			-	3.8	8.7		
	H	21.40 05.4	0.8			+	9.4	9.3	3.7	3.6
	Z	21.40 06.4	1.2				2.6	2.5		
31	A	21.47 53.2	0.9					0.4		
	H	21.47	1.3				0.9	1.0	5.2	2.1
	Z	21.47 53.6	1.4				0.7	1.0		
31	A	23.50 56.9	1.3			+	2.4	4.0		
	H	23.50 56.7	0.8				3.6	5.2	2.8	3.2
	Z	23.50 57.1	1.2			-	9.4	7.7		

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