International Seismological Centre

14 NOV 1969

大 阪 管 区

地 震 月 報

昭和43年$\frac{1}{2}$月

THE MONTHLY REPORT OF EARTHQUAKES

January
February 1968

大 阪 管 区 気 象 台

The Osaka

District Meteorological Observatory

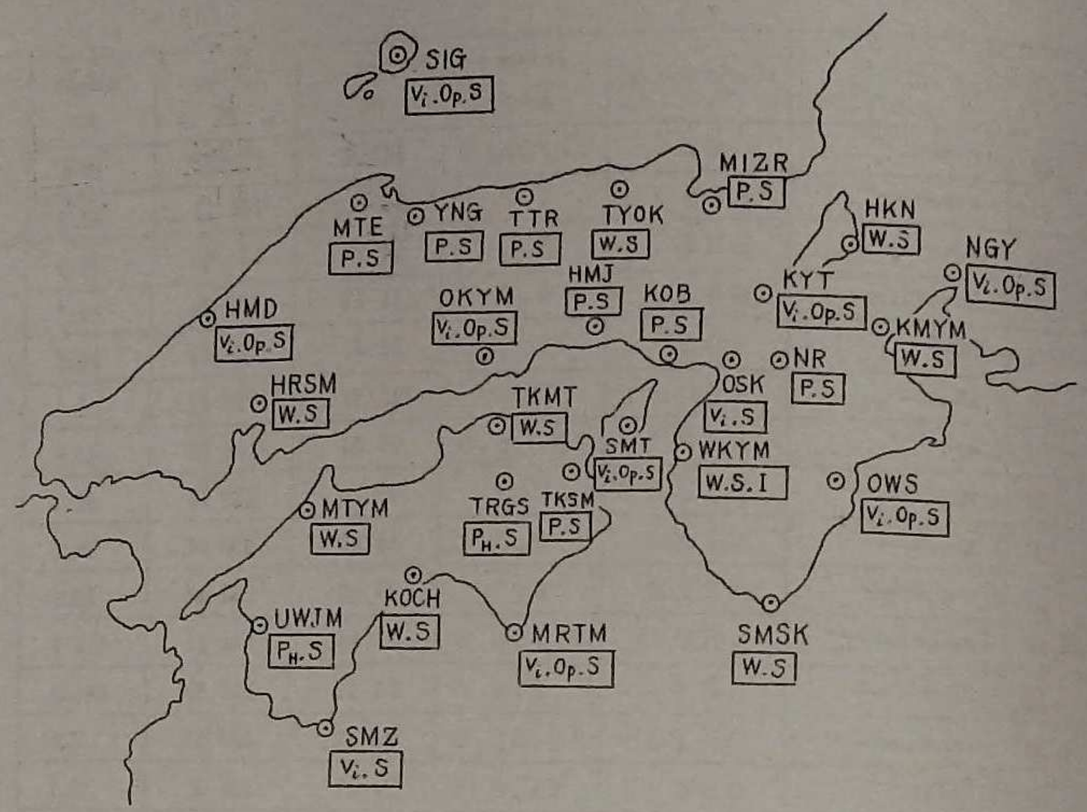
Japan

International Seismological Centre

観測所一覧表(1) List of Station (1)

Station		Abbreviation	Seismo-graph	Lat. (N)	Long. (E)	Height (m)
浜　田	Hamada	HMD	Vi, Op, S	34°54′	132°04′	19.6
彦　根	Hikone	HKN	W, S	35 16	136 15	88.8
姫　路	Himeji	HMJ	P, S	34 50	134 40	37.8
広　島	Hiroshima	HRSM	W, S	34 22	132 26	29.7
神　戸	Kōbe	KOB	P, S	34 41	135 11	58.8
高　知	Kōchi	KOCH	P, S	33 33	133 32	2
京　都	Kyōto	KYT	Vi, Op, S	35 01	135 44	42.6
舞　鶴	Maizuru	MIZR	P, S	35 28	135 23	31.2
松　江	Matsue	MTE	P, S	35 27	133 04	18.7
松　山	Matsuyama	MTYM	W, S	33 50	132 47	32.4
室戸岬	Murotomisaki	MRTM	Vi, Op, S	33 15	134 11	185.9
奈　良	Nara	NR	P, S	34 41	135 50	105.0
岡　山	Okayama	OKYM	Vi, Op, S	34 41	133 55	3.8
大　阪	Ōsaka	OSK	Vi, S	34 39	135 32	5.1
西　郷	Saigō	SIG	Vi, Op, S	36 12	133 20	28.3
清　水	Shimizu	SMZ	Vi, S	32 43	133 01	30.2
潮　岬	Shionomisaki	SMSK	W, S	33 27	135 46	74.3
洲　本	Sumoto	SMT	Vi, Op, S	34 20	134 54	109.6
高　松	Takamatsu	TKMT	W, S	34 19	134 03	9.6
徳　島	Tokushima	TKSM	P, S	34 04	134 35	1.8
鳥　取	Tottori	TTR	P, S	35 31	134 11	17.7
豊　岡	Toyooka	TYOK	W, S	35 32	134 50	4.2
剣　山	Tsurugisan	TRGS	P_H, S	34 03	134 10	56.1
宇和島	Uwajima	UWJM	P_H, S	33 14	132 33	43.4
和歌山	Wakayama	WKYM	W, S, I	34 14	135 10	14.3
米　子	Yonago	YNG	P, S	35 26	133 21	7.1
亀　山	Kameyama	KMYM	W, S	34 51	136 28	69.2
名古屋	Nagoya	NGY	Vi, Op, S	35 10	136 58	55.7
尾　鷲	Owashi	OWS	Vi, Op, S	34 04	136 12	16.1

"Station Map" (1)



Notation

Op : Electromagnetic seismograph with optical recorder (T_0=1.5 sec, V = 500 or 1000)

P : New-type portable seismograph (T_0=2, V=60)

P_H : Portable seismograph, horizontal only (T_0=3～4, V=50)

S : Storong motion seismograph (T_0=5～6, V=1)

Vi : Electromagnetic seismograph with visible recorder (T_0=5, V=100)

W : Wiechert's seismograph (T_0=5, V=80)

I : Ishimeto's seismograph (T_0=1, V=300)

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観測所一覧表(2) List of Stations (2)

* ..... Weather Station equipped with Seismographs

Index Number	Station Name		Index Number	Station Name	
滋賀県 Shiga Pref. (61)			62 007	周山	Shūzan
61 101	* 彦根	Hikone	008	瑞穂	Mizuho
103	木ノ本	Kinomoto	009	綾部	Ayabe
105	竹生島	Chikubushima	010	知井	Chii
106	今津	Imazu	011	河守	Kōmori
107	大津	Ōtsu	013	宮津	Miyazu
108	多羅尾	Tarao	014	峰山	Mineyama
109	水口	Minakuchi	015	伊根	Ine
110	八幡	Hachiman	020	福知山	Fukuchiyama
111	政所	Mandokoro	021	中上林	Nakakanbayashi
112	中之郷	Nakanogō	022	大河原	Ōgawara
202	吉槻	Yoshitsuki	053	美山	Miyama
203	市場	Ichiba	901	亀岡	Kameoka
204	北小松	Kitakomatsu	902	経ケ岬	Kyōgasaki
205	堅田	Katada	903	雲ケ畑	Kumogahata
206	土山	Tsuchiyama			
503	日野	Hino	大阪府 Ōsaka Pref. (63)		
507	信楽	Shigaraki	63 001	* 大阪	Ōsaka
901	油日	Aburahi	002	上之郷	Kaminogō
902	安曇川	Adogawa	003	岸和田	Kishiwada
903	愛知川	Echigawa	004	鳳	Ōtori
904	伊吹山	Ibukisan	005	池田	Ikeda
			006	東郷	Tōgō
京都府 Kyōto Pref. (62)			007	天王	Tonnō
62 003	* 京都	Kyōto	008	富田林	Tondabayashi
012	* 舞鶴	Maizuru			
001	木津	Kizu	兵庫県 Hyōgo Pref. (64)		
002	宇治田原	Ujidawara	64 001	* 神戸	Kōbe
004	比叡山	Hieizan	021	* 洲本	Sumoto
006	園部	Sonobe	031	* 豊岡	Toyooka

Index Number	Station Name	
64 035	* 姫　路	Himeji
002	明　石	Akashi
003	西ノ宮	Nishinomiya
004	六甲山	Rokkōsan
005	三　木	Miki
006	高　砂	Takasago
007	家　島	Iejima
008	竜　野	Tatsuno
009	上　郡	Kamigōri
010	山　崎	Yamazaki
011	一の宮	Ichinomiya
012	田　原	Tahara
013	西　脇	Nishiwaki
014	中　町	Nakachō
016	柏　原	Kaibara
017	篠　山	Sasayama
018	佐　治	Saji
019	灘	Nada
020	市	Ichi
022	都　志	Tsushi
023	志　筑	Shizuki
024	富　島	Tojima
025	岩　屋	Iwaya
027	和田山	Wadayama
028	西　谷	Nishitani
029	村　岡	Muraoka
030	出　石	Izushi
032	香　住	Kasumi
033	浜　坂	Hamasaka
034	城　崎	Kinosaki
036	八　鹿	Yōka
051	末　野	Sueno
080	生野南	Ikunominami

Index Number	Station Name	
	奈良県 Nara Pref. (65)	
65 107	* 奈　良	Nara
101	洞　川	Dorogawa
102	寺垣内	Teragaito
105	五　条	Gojyō
109	曽　爾	Soni
110	前　鬼	Zenki
111	尾　山	Oyama
202	荒神岳	Kōjindake
205	王　寺	Ōji
206	南之庄	Minaminoshō
207	大　淀	Ōyodo
208	十津川	Totsugawa
209	大和新庄	Yamatoshinjō
210	白　川	Shirakawa
211	大宇陀	Ōuda
404	高　見	Takami
406	川　上	Kawakami
407	津風呂	Tsuburo
408	風　屋	Kazaya
409	二津野	Futatsuno
410	池　原	Ikehara
901	河　合	Kawai
902	八　木	Yagi
	和歌山県 Wakayama Pref. (66)	
66 001	* 和歌山	Wakayama
014	* 潮　岬	Shionomisaki
002	岩　出	Iwade
003	高野山	Kōyasan
004	東野上	Higashinogami
005	八　幡	Yahata
007	川　上	Kawakami

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Index Number	Station Name	
66 008	竜　神	Ryūjin
009	清　川	Kiyokawa
011	栗栖川	Kurisugawa
012	日　置	Hiki
013	市鹿野	Ichikano
015	七　川	Shichikawa
016	色　川	Irokawa
017	新　宮	Shingū
018	三　里	Misato
019	近　野	Chikano
024	白　浜	Shirahama
901	御　坊	Gobō
902	応　其	Ōgo
903	下　里	Shimosato
905	田　辺	Tanabe
906	吉　備	Kibi
	岡山県 Okayama Pref. (67)	
67 001	* 岡　山	Okayama
003	和　気	Wake
005	長　島	Nagashima
010	笠　岡	Kasaoka
011	北木島	Kitakijima
012	矢　掛	Yakage
014	倉　敷	Kurashiki
015	高　梁	Takahashi
017	豊　野	Toyono
018	福　渡	Fukuwatari
019	周　匝	Susai
020	林　野	Hayashino
021	津　山	Tsuyama
023	併　和	Haga
024	下　部	Shimoazai

Index Number	Station Name	
67 025	新　見	Niimi
026	矢　神	Yagami
027	千　屋	Chiya
028	山　奥	Yamaoku
030	久　世	Kuse
031	湯　本	Yumoto
032	上長田	Kaminagata
033	奥　津	Okutsu
034	小中原	Konakabara
035	行　方	Gyōhō
036	古　町	Furumachi
040	玉　野	Tamano
901	味　野	Ajino
902	倉見川	Kuramigawa
903	恩　原	Onbara
904	西大寺	Saidaiji
905	玉　島	Tamashima
906	東ノ崎	Higashinozaki
907	宇　治	Uji
908	牛　窓	Ushimado
	広島県 Hiroshima Pref. (68)	
68 001	* 広　島	Hiroshima
003	瀬　野	Seno
004	江田島	Etajima
005	倉　橋	Kurahashi
050	廿日市	Hatsukaichi
051	大　竹	Ōtake
052	佐　伯	Saeki
053	吉　和	Yoshiwa
100	加　計	Kake
102	八　幡	Yawata
103	大　朝	Ōasa

Index Number	Station Name	
68 105	千代田	Chiyoda
150	可部	Kabe
200	呉	Kure
201	黒瀬	Kurose
203	竹原	Takehara
250	豊栄	Toyosaka
252	河内	Kōchi
253	豊	Yutaka
300	美土里	Midori
302	井原	Ihara
350	布野	Funo
351	三次	Miyoshi
400	甲山	Kōzan
401	世羅西	Seranishi
450	三原	Mihara
451	因島	Innoshima
452	御調	Mitsugi
500	高野	Takano
503	八鉾	Yahoko
504	帝釈	Taishaku
505	庄原	Shōbara
550	上下	Jōge
600	油木	Yuki
700	松永	Matsunaga
751	神辺	Kannabe
901	比和	Hiwa
902	西条	Saijō
903	福山	Fukuyama
905	吉舎	Kisa
906	筒賀	Tsutsuga
907	吉田	Yoshida

Index Number	Station Name	
島根県 Shimane Pref. (69)		
69 001	* 松江	Matsue
051	* 浜田	Hamada
101	* 西郷	Saigō
002	赤屋	Akaya
003	八束	Yatsuka
004	広瀬	Hirose
005	恵曇	Etomo
006	大東	Daitō
007	三成	Minari
008	平田	Hirata
009	掛合	Kakeya
010	大社	Taisha
011	窪田	Kubota
052	大田	Ōda
053	志学	Shigaku
054	川本	Kawamoto
055	出羽	Izuwa
056	市山	Ichiyama
057	江津	Gōtsu
058	波佐	Haza
059	三隅	Misumi
060	匹見	Hikimi
061	益田	Masuda
062	日原	Nichihara
063	津和野	Tsuwano
064	六日市	Muikaichi
065	都川	Tsugawa
102	五箇	Goka
103	浦郷	Urago
104	知夫	Chibu
901	塩谷	Enya

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Index Number	Station Name	
鳥取県 Tottori Pref. (70)		
70 010	* 鳥取	Tottori
001	境	Sakai
002	* 米子	Yonago
003	法勝寺	Hōshōji
004	根雨	Neu
005	日野上	Hinokami
006	名和	Nawa
007	東伯	Tōhaku
008	関金	Sekigane
009	三朝	Misasa
011	青谷	Aoya
012	鹿野	Shikano
013	国英	Kunifusa
014	智頭	Chizu
015	若桜	Wakasa
016	大成	Taisei
901	阿緑	Abire
902	吉成	Yoshinari
903	上井	Agei

Index Number	Station Name	
徳島県 Tokushima Pref. (71)		
71 018	* 徳島	Tokushima
900	* 剣山	Tsurugisan
001	鳴門	Naruto
002	市場	Ichiba
003	岩倉	Iwakura
004	池田	Ikeda
005	一宇	Ichiu
006	川井	Kawai
007	鬼籠野	Orono
008	横瀬	Yokose
009	小松島	Komatsushima

Index Number	Station Name	
71 010	木頭	Kito
011	宍喰	Shishikui
012	日和佐	Hiwasa
021	芝生	Shibō
022	板東	Bandō
023	日野谷	Hinotani
032	坂州	Sakasu
034	椿泊	Tsubakidomari
036	福原旭	Fukuharaasahi
香川県 Kagawa Pref. (72)		
72 001	* 高松	Takamatsu
002	多度津	Tadotsu
003	引田	Hikita
005	塩江	Shionoe
006	美合	Miyai
007	滝宮	Tahinomiya
008	豊浜	Toyohama
009	土庄	Tonosho
010	大角鼻	Ōsumihana
013	長尾	Nagao
愛媛県 Ehime Pref. (73)		
73 032	* 松山	Matsuyama
074	* 宇和島	Uwajima
010	三島	Mishima
011	新立	Shinritsu
013	西条	Saijō
015	新居浜	Niihama
021	瀬戸崎	Setozaki
022	鈍川	Nibukawa
023	菊間	Kikuma
024	波止浜	Hashihama

Index Number	Station Name		Index Number	Station Name	
73 030	川　上	Kawakami	74 211	檮　原	Yusuhara
031	中　山	Nakayama	213	東津野	Higashitsuno
040	大　洲	Ōsu	214	大野見	Ōnomi
041	長　浜	Nagahama	215	窪　川	Kubokawa
051	美　川	Mikawa	221	高　岡	Takaoka
052	小田町	Odamachi	222	越　知	Ochi
061	伊　方	Ikata	223	長　者	Chōja
062	宇和町	Uwamachi	333	池　川	Ikegawa
063	野　村	Nomura	431	地蔵寺	Jizoji
070	下鍵山	Shimokagiyama	433	本　川	Hongawa
071	松　野	Matsuno	534	東豊永	Higashitoyonaga
072	岩　松	Iwamatsu	531	本　山	Motoyama
073	御　荘	Mishō	534	天　坪	Amatsubo
152	大保木	Ōfuki	553	大　篠	Ōshino
401	八幡浜	Yahatahama	601	夜　須	Yasu
852	久万入野	Kumairino	642	槙　山	Makiyama
			701	安　芸	Aki
高知県 Kōchi Pref. (74)			702	田　野	Tano
74 851	* 高　知	Kōchi	706	野　根	None
104	* 清　水	Shimizu	757	上魚梁瀬	Kamiyanaze
704	* 室戸岬	Murotomisaki			
101	宿　毛	Sukumo	愛知県 Aichi Pref. (51)		
111	中　村	Nakamura	51 007	* 名古屋	Nagoya
112	富　山	Tomiyama			
113	津　大	Tsudai	三重県 Mie Pref. (53)		
114	江川崎	Egawasaki	53 002	* 尾　鷲	Owasi
115	大　正	Taishō	003	* 亀　山	Kameyama
151	三　原	Mihara			
201	須　崎	Suzaki			

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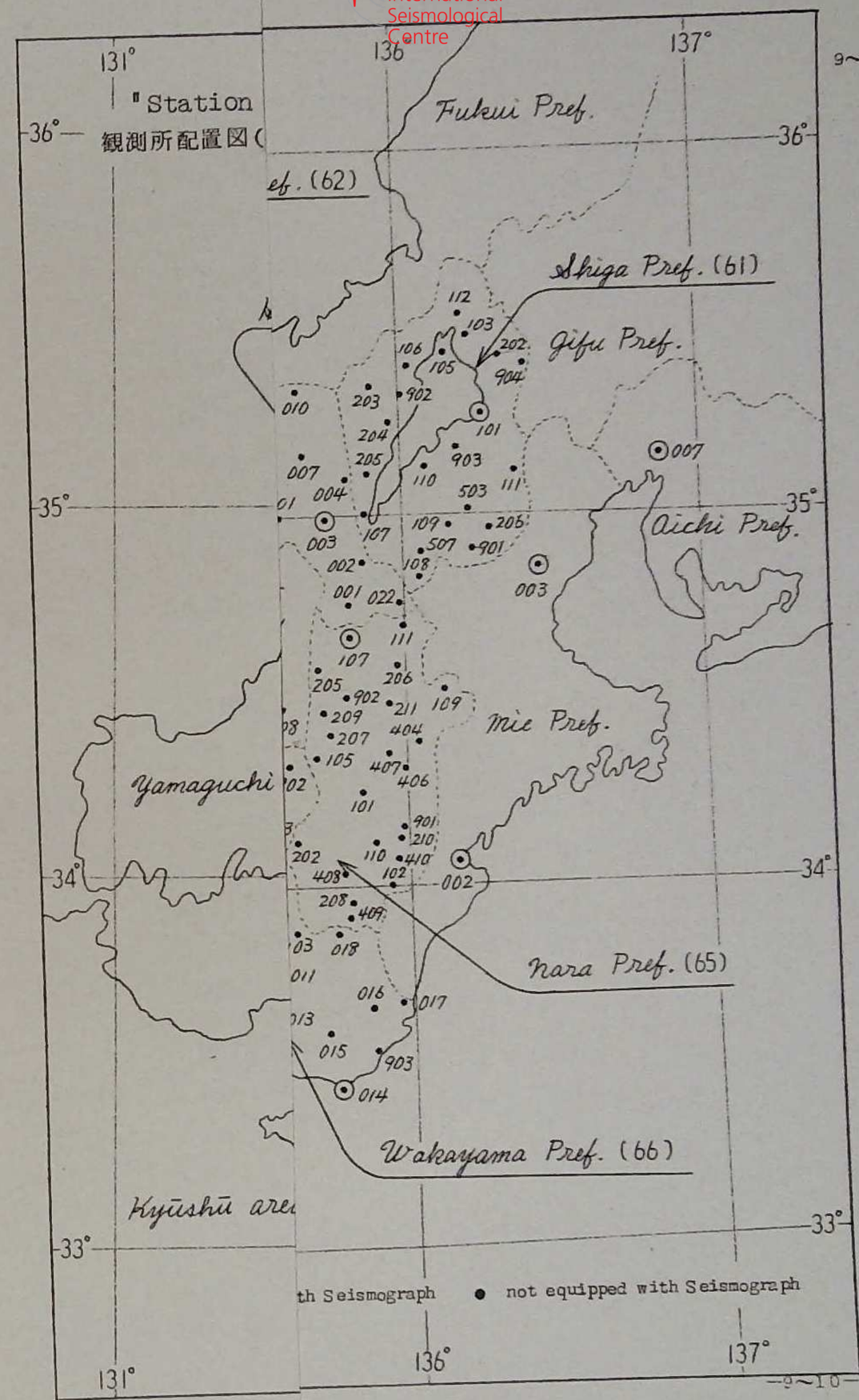

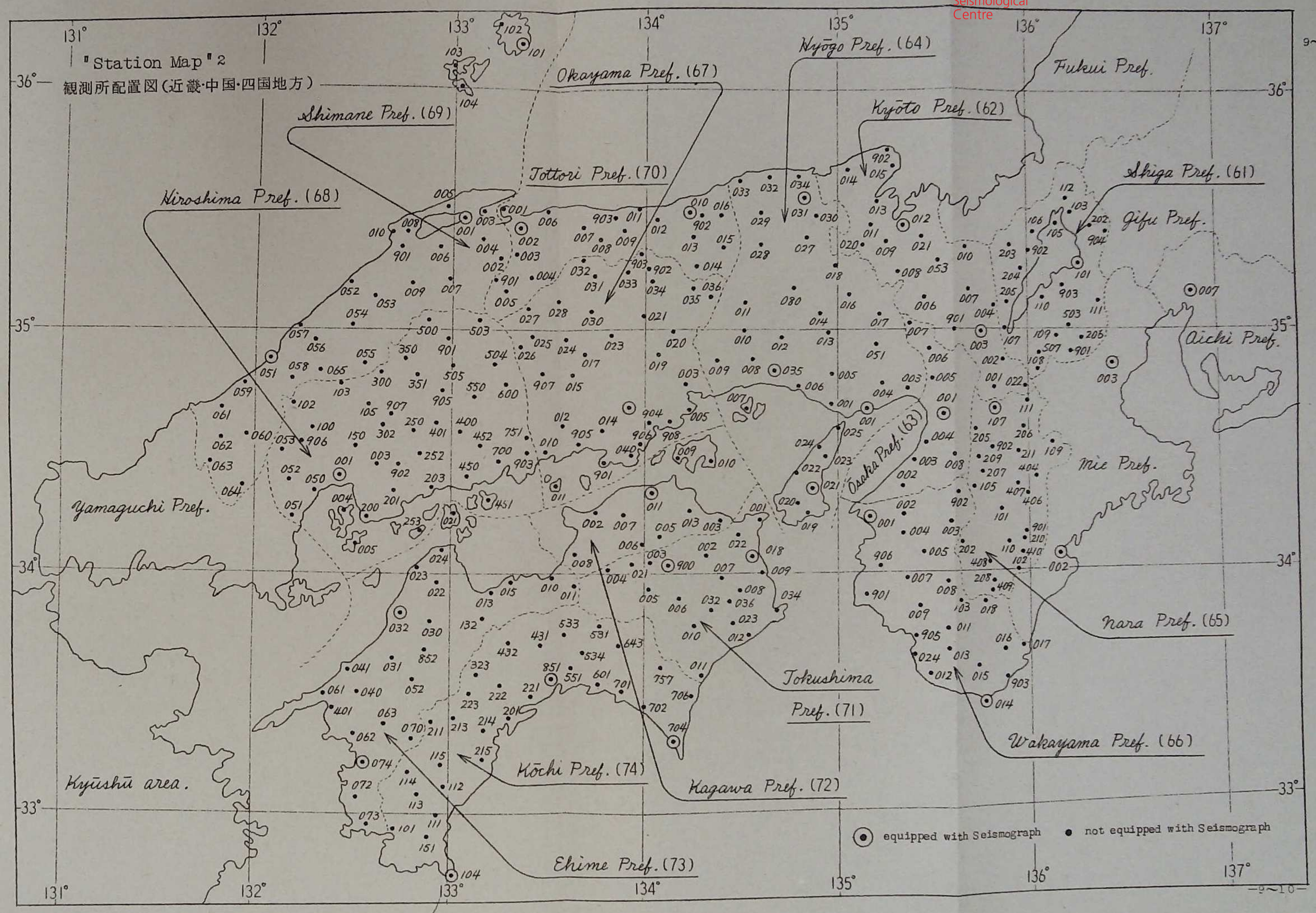
"Station Map" 2
観測所配置図(近畿·中国·四国地方)
Shimane Pref. (69)
Okayama Pref. (67)
Hyōgo Pref. (64)
Fukui Pref.
Kyōto Pref. (62)
Tottori Pref. (70)
Hiroshima Pref. (68)
Shiga Pref. (61)
Gifu Pref.
Aichi Pref.
Osaka Pref. (63)
Mie Pref.
Yamaguchi Pref.
Nara Pref. (65)
Tokushima Pref. (71)
Wakayama Pref. (66)
Kōchi Pref. (74)
Kagawa Pref. (72)
Kyūshū area.
Ehime Pref. (73)
equipped with Seismograph
not equipped with Seismograph

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Remarks (補　　註)

S. I.	: Scale of Seismic Intensity (JMA)	気象庁震度階級
(　) in S. I.	: Felt shock in part of city, unfelt at station	気象官署では感じないが市中の一部で感じたもの
Pha.	: Phase of initial record	最初の記象の相
i(in pha.)	: Sudden commencement of a phase	立上りの鮮明な相
e(in pha.)	: Gradual or indistinct commencement of a phase	立上りの不鮮明な相
E	: E−W component	東西動成分
N	: N−S component	南北動成分
Z	: Vertical component	上下動成分
Time	: Time of occarence at station	観測所の発震時
+ (−)(in Initial Motion)	: Displacement to the North (South), to the East (West) and Upward (Dounward)	初動方向の北(南)東(西)及び上(下)
μ	: micron	ミクロン
P〜S	: Duration of preliminary tremor	初期微動継続時間
Remarks	: Epicenter and others	記事，震央その他

Number of earthquakes

Jan. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	18	—	—	—	—	—	—	—	18
Himeji	4	—	—	—	—	—	—	—	4
Kōbe	6	—	—	—	—	—	—	—	6
Kyōto	11	—	—	1	—	—	—	—	12
Maizuru	3	1	—	—	—	—	—	—	4
Nara	8	—	—	1	—	—	—	—	9
Ōsaka	15	—	1	—	—	—	—	—	16
Shionomisaki	8	—	—	—	—	—	—	—	8
Sumoto	11	—	—	—	—	—	—	—	11
Toyooka	14	—	—	—	—	—	—	—	14
Wakayama	11	3	—	—	—	—	—	—	14
Chūgoku District									
Hamada	6	—	—	—	—	—	—	—	6
Hiroshima	4	—	1	—	—	—	—	—	5
Matsue	2	—	—	—	—	—	—	—	2
Okayama	5	—	—	—	—	—	—	—	5
Saigō	7	—	—	—	—	—	—	—	7
Tottori	4	—	—	—	—	—	—	—	4
Yonago	4	—	—	—	—	—	—	—	4
Shikoku District									
Kōchi	3	1	—	—	—	—	—	—	4
Matsuyama	6	—	1	—	—	—	—	—	7
Murotomisaki	9	—	—	—	—	—	—	—	9
Shimizu	8	—	—	—	—	—	—	—	8
Takamatsu	4	1	—	—	—	—	—	—	5
Tokushima	5	—	—	—	—	—	—	—	5
Tsurugisan	3	1	—	—	—	—	—	—	4
Uwajima	2	1	—	1	—	—	—	—	4

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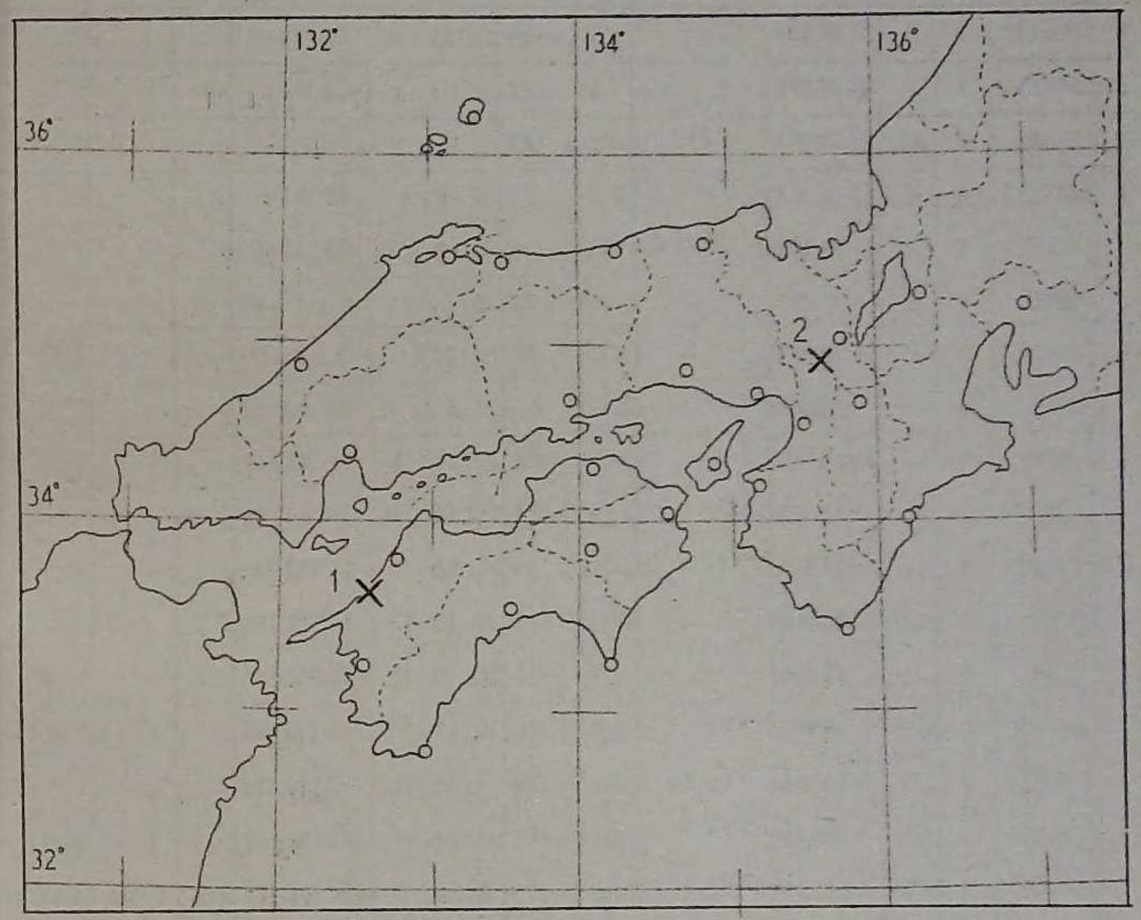
Epicenter of the major felt earthquakes, in west Honshū and Shikoku.

Jan. 1968



No.	Date	Origin time (J.S.T.)	Epicenter				Max. S.I.
			Location	Lat.	Long.	Depth	
1	12	$11^h 58^m$	愛媛県西部 W part of Shikoku	33°30′ N	132°30′ N	50 Km	III
2	20	11 31	京都府南部 Kyōto pref.	34.55	135.39	10	III

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha m s	Remarks
2	KYT	0	eP	03 10 30.9		eS	3.1	9 7 1	0 0 0			
2	WKYM	0	P	13 00 44.6		iS	0.9	16 19	0.1 0.1			
2	WKYM	0	P	13 07 57.5		iS	0.5	7 21	0.1 0.1			
3	KOB	0	eP	17 39 28.3		eS	11.3					
3	WKYM	0	P	18 04 16.1		iS	5.3	33 40	0.1 0.1			
	SMT	0	P	04 22.5	(+) (−)	S	7.3	7 6 1	0.3 0.5 0.2			
	OWS	0	P	04 27.0		S	8.6	6 4 4	? ? 0.3			
5	OWS	0	P	01 28 01.7		iS	3.7	28 10 4	? ? ?			和歌山県 西部 Wakayama Pref.
	SMSK	0	eP	28 04.9		iS	6.5	8 10 9	0.2 0.2 0.2			
7	NGY	0	eP	20 13 39.0		eS	37.8	24 21 12	2.8 7.4 10.4			
	OWS	0	P	13 41.2		S	1 47.4	11 14 12	7.0 8.4 8.6			
	SMSK	0	eP	13 48.4		eS	1 1.0	14 14 2	7.7 15.3 12.−			
	KYT	0	eP	13 51.6		eS	57.4	10 13 13	7.2 12.0 11.8			
	SMT	0	P	13 59.6	+5 −3	S	1 5.0	11 10 10	9.0 8.0 9.0			房総半島
	MRTM	0	eP	14 05.0		eS	1 22.0	10 17 10	9.0 7.0 8.0			南東沖
	OKYM	0	P	14 14.0		eS	1 17.0	5 10 10	6.0 8.0 7.0			
	HRSM	0	eP	14 28.9		eS	1 44.1	9 11 6	10.8 10.3 9.7			E off
	HMD	0	eP	14 30.5				8 6 7	13.6 11.4 12.8	eX	1 43.6	Hachijyō
	HKN	0	eS	14 45.4				21 18 15	7.8 9.8 9.4			−jima
	SIG	0	eP	14 47.3	+2 −2 +3	eS	1 22.0	10 7 6	13.0 13.0 14.6	eL	2 39.−	
	TKMT	0	eP	14 54.7		eS	1 13.0	10	15.1			33° 36′
	OSK	0	eX	15 10.−				82 95 25	6.0 5.0 9.8			142° 1′
	TYOK	0	X	15 14.2				14 7 8	1.1 1.5 1.4	X	1 10.5	40 Km
	MTYM	0	eP	15 23.3		eS	1 35.2	6 8 7	8.7 9.0 9.6			
	SMZ	0	eP	15 48.1		eS	1 0.9	6 4	7.0 7.6			
9	OSK	0	eX	22 29 39.−				12 12 5	3.3 3.6 2.8			
9	OSK	0	eP	22 33 23.−				22 13 5	4.0 4.8 2.4			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
9	SMZ	0	P	23 47 27.6	+2 +5	iS	8.4	29 18 15	0.6 0.5 0.6			日向灘 北部
	UWJM	I	eP	47 28.4		eS	9.8					E off
	MTYM	0	eP	47 41.0		eS	19.5	8 13 3	0.6 0.6 0.5			MiYazaki
	KOCH	0	eP	47 46.9		iS	17.2					Pref.
	TYOK	0	eS	49 11.1				12 8	1.1 1.1			32°27′ 132°18′ 10 Km
10	NGY	0	eP	00 39 12.6			33.0	5 5 2	2.0 1.2 1.4			
10	NR	0	eP	07 09 41.5		iS	8.7					三重県 中部
	OSK	0	P	09 56.0	−9 −3			10 6	4.0 3.6			Mie Pref.
11	WKYM	I	P	20 22 32.2		iS	0.9	65 65	0.1 0.1			和歌山 附近
	SMT	0	P	22 37.5	(−) (+) −1	S	3.1	10 6 2	0.2 0.3 0.5			WakaYama
12	NGY	0	eP	01 13 45.6		eS	42.4	12 10 4	2.6 2.4 2.4			房総半島 南東沖
	HKN	0	eP	14 00.9		eS	44.1	13 7 4	1.6 2.0 1.2			SE off
	OSK	0	eP	14 05.−				20 20 7	4.9 4.7 2.4			Boso pen.
12	KOB	0	eX	11 31 08.2								34°12′ 141°27′ 50 Km
12	UWJM	III	iP	11 58 45.6		iS	5.4	400 200 100				
	MTYM	II	iP	58 46.9	+15 −71 −33	iS	7.3	341 285 141	0.7 0.7 0.7			愛媛県
	KOCH	I	iP	58 51.6	+7 +22 +15	iS	8.5					西部
	HRSM	II	P	58 51.8	−17 −2 −19	iS	11.6	90 113 116	0.7 0.7 1.4			
	SMZ	0	P	58 53.2	−1 +1	S	10.9	36 61 30	1.0 0.8 1.0			W part
	MRTM	0	iP	58 58.6	(+) +1 +1	iS	16.2	23 41 20	0.8 1.0 2.8			of
	TRGS	0	iP	59 00.6		iS	14.3					Shikoku
	HMD	0	P	59 01.2	+4	S	16.4	19 23 13	0.8 1.0 1.6			
	TKMT	I	iP	59 01.7	+5 +9 +1	iS	14.6	59 60	1.0 1.0			33°30′
	OKYM	X	iP	59 02.5	+5 +5 +4	iS	20.4	70 60 15	0.8 0.6 0.8			132°30′
	TKSM	0	eP	59 06.1		eS	25.3					50 Km
	YNG	0	eP	59 08.6		S	30.9					
	SMT	0	iP	59 09.5	+1 +1	eS	16.7	20 19 15	1.0 1.8 2.2	eX	11.6	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period(sec) N	E	Z	Pha.	I~Pha. m s	Remarks
	MTE	0	eP	59 10.0				S	20.4									
	WKYM	0	P	59 11.8				S	27.6	38	33		1.2	0.8				
	TTR	0	eP	59 14.7				S	40.3									
	HMJ	0	P	59 16.0				S	30.6									
	KOB	0	eX	59 16.0														
	SMSK	0	iP	59 16.6	−1	+3	+6			6	7	7	1.5	1.5	1.2	eX	23.2	
	SIG	0	eP	59 18.0	+1	(+)	(+)	S	43.6	17	18	7	1.4	1.6	2.0			
	OSK	0	eP	59 18.4						28	37	23	2.8	4.7	2.1	X	21.0	
	NR	0	eP	59 21.4														
	KYT	0	eP	59 23.5				eS	44.1	7	7	5	1.4	1.4	2.0			
	TYOK	0	eP	59 25.5				eS	40.7	144	80	16	0.9	0.9	0.8			
	HKN	0	P	59 31.8				eS	1 0.2	18	14	4	1.4	1.4	0.9			
	NGY	0	iP	59 36.8	+1	+2	+2	eS	46.4	10	7	7	2.2	2.2	1.0			
13	WKYM	0	iP	02 30 30.1				iS	1.3	26	31		0.1	0.1				
13	HRSM	0	P	16 06 59.9				S	2 39.2	5	10		16.2	13.4				
	MTYM	0	eP	07 02.4				eS	2 48.7	6	6	5	14.7	15.3	13.3			
	HMD	0	eP	07 02.8				eS	2 41.2	6	6	7	11.8	10.4	11.8	eX	4 20.0	
	TYOK	0	X	10 11.6						8	4	9	16.0	13.8	17.5			
	MRTM	0	eX	10 19.0						8	7	5	12.0	12.0	18.0	eX	30.0	
	SIG	0	eX	10 19.3						7	9	6	12.1	10.6	12.2	eL	11 54.−	
	SMT	0	eX	10 47.8						6	5	5	15.−	11.−	11.−	X	1 58.−	
	SMZ	0	eX	11 19.0						8	3	3	13.0	10.0	12.0	eX	2 15.2	
14	SMZ	0	eP	21 32 40.4						5	4	6	3.6	3.4	4.0	eX	1 36.7	
	MRTM	0	iX	32 43.5				iX	6 46.5	6	5		6.0	13.0		L	11 48.5	
	SMT	0	iP	32 53.7			+1			5	2	8	3.4	3.4	3.4	eX	1 28.5	
	HKN	0	eS	33 03.8						8	6	6	1.3	1.3	2.6			
14	TYOK	0	eP	23 16 04.3						24	21		1.3	1.1		X		

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period(sec) N	E	Z	Pha.	p~Pha. m s	Remarks
14	NGY	I	iP	23 15 28.0	−1	−1	+11	iS	10.8	54	62	26	0.4	0.4	0.6			長野，静岡県境 Nagano Shizuoka border 35°14′ 137°49′ 40 Km
	HKN	0	P	15 36.4				iS	15.7	36	70	31	0.9	1.3	1.1			
	KYT	0	eP	15 42.0				eS	21.6	6	5	2	1.4	1.4	0.8			
	OWS	0	P	15 42.1				S	27.9	14	9	6	0.4	0.3	0.4			
	NR	0	eP	15 44.8				eS	23.4									
15	TRGS	I	eP	07 47 45.0														
15	WKYM	0	P	09 37 14.5				iS	0.5	27	59		0.1	0.1				
15	WKYM	I	iP	10 06 47.0				iS	0.4	37	87		0.1	0.1				
17	SMSK	0	eP	13 01 10.−				iS	7.8	9	10	5	0.4	0.4	0.5			和歌山県南部 Wakayama pref. 33°47′ 135°27′ 0 Km
	WKYM	0	P	01 11.3				iS	7.9	42	50		0.1	0.1				
	TKSM	0	eP	01 11.7				iS	8.8									
	MRTM	0	iP	01 14.1		−1	+1	iS	12.3	3	7		0.2	0.4				
	NR	0	eP	01 19.3				iS	14.3									
18	NGY	0	eP	02 57 02.8	(−)	−1		S	31.2	10	12	6	1.0	1.2	1.2			千葉県北部 Chiba pref. 35°49′ 140°19′ 80 Km
	HKN	0	eP	57 12.2				eS	35.1	17	12	6	1.0	1.0	0.7			
	TYOK	0	eP	57 39.1				eS	49.9	11	9		1.4	1.2				
18	SMSK	0	eP	23 33 22.6				iS	4.7	4	7	2	0.4	0.4	0.7			
19	MRTM	0	iP	15 13 16.5	(+)	(−)	(+)	eX	2 25.5	6		9	12.0		4.0	eL	11 15.5	
	OWS	0	P	13 16.6						6	5	5	15.0	16.0	15.0			
	SMZ	0	eP	13 19.4						4	3	8	3.0	3.0	3.2	eX	7 4.0	
	OSK	0	eP	13 20.−						37	32	16	3.4	4.2	3.9			Solomon Is.
	NGY	0	P	13 21.2			−2			7	8	7	2.8	3.0	3.0	X	1 3.8	
	SMT	0	P	13 21.7			(+)	eS	6 56.5	5	3	5	3.4	3.8	2.6	L	15 3.−	9°24′S 158°24′E 33 Km
	HKN	0	P	13 24.1				eS	7 6.7	7	6	6	1.9	2.3	2.2			
	TYOK	0	P	13 31.5				eS	6 53.2	6	4		13.2	18.3				
	HMD	0	eP	13 34.8				eS	7 5.4	7	7	6	6.8	7.2	3.6	eL	15 46.2	
	SIG	0	eP	13 38.5	+1	−1	(+)			7	4	6	3.0	3.0	4.4	eX	6 30.8	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
20	KYT	Ⅲ	iP	11 31 41.6	−4		−37	iS	1.4	156	243	83	0.4	0.2	0.2			
	NR	Ⅲ	iP	31 43.9	−11	+9	+49	iS	4.4	650	350	450	0.2	0.1	0.1			京都府
	OSK	Ⅱ	iP	31 45.0	−4		+35	iS	5.4	130	179	44	1.0	1.0	2.3	iX	1.3	南
	KOB	0	iP	31 48.2	+6	+4	−6	iS	6.9									
	MIZR	Ⅰ	iP	31 49.2	+2	−2	+4	iS	7.2									
	HKN	X	iP	31 49.4	−11	−15	−18	iS	7.8	176	110	41	0.9	0.5	0.4			S part
	HMJ	0	iP	31 52.4	+2	+13	−9	iS	11.0									of
	WKYM	0	P	31 53.5				iS	12.1	37	43		0.6	1.0				Kyoto
	SMT	0	P	31 54.2	(+)	(+)	−1	iS	12.1	16	16	5	0.4	0.8	0.8			Pref.
	OWS	Ⅰ	P	31 56.1				S	13.1	28	28	12	0.5	1.4	0.8			34°5
	TYOK	0	P	31 56.5	−6	(+)		iS	12.5	125	86	39	1.0	1.0	0.8			135°3
	NGY	0	P	31 58.6		(−)	−2	iS	14.2	32	22	10	0.4	0.4	0.4			10 Km
	TKSM	0	eP	32 01.3				eS	17.2									
	TTR	0	P	32 03.2				S	17.6									
	OKYM	0	iP	32 04.4		+3	(−)	S	19.4	15	15	5	0.5	0.4	0.8			
	TKMT	0	eP	32 04.5				eS	19.5	12	13	6	1.2	1.0	0.8			
	SMSK	0	eP	32 05.3				eS	18.9	6	9	8	1.2	1.2	1.4			
	MRTM	0	P	32 16.0				eS	28.6	4	6		2.0	1.4				
	SIG	0	eP	32 19.9	(+)	(−)	(+)	iS	29.5	8	8	6	0.8	1.2	0.8			
20	KYT	0	eP	11 34 21.8				iS	2.2	11	10	2	0.2	0.2	1.2			
22	HKN	0	eS	07 44 49.1						6	7	4	0.8	1.0	0.5			
22	HKN	0	eS	13 49 19.3						14	9	6	0.8	0.8	0.9			
22	HKN	0	eS	17 42 26.0						7	7	4	0.6	0.4	0.7			
22	WKYM	0	P	22 30 07.7				iS	1.1	15	17		0.1	0.1				
23	KYT	0	eP	00 57 12.2				eS	1.8	6	8	1	0	0	0			
23	OSK	0	X	03 37 04.2						13	12	5	3.6	3.6	2.6			
23	OWS	0	P	03 46 56.6				iS	10.0	7	5	2						

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
23	NGY	0	eP	20 45 59.6				eS	30.4	21	13	6	2.8	1.0	1.2			千葉県 北部
	HKN	0	eP	46 05.5				eS	44.2	13	12	4	1.0	1.0	0.9			Chiba pref.
	OSK	0	eX	46 15.−						17	15	11	2.8	2.4	3.0			35°44′
	TYOK	0	P	46 21.2				S	1 9.8	13	14		1.2	1.1				140°9′ 80 Km
24	KYT	0	eP	12 48 03.7				iS	0.1	5	8	1	0	0	0			
24	TYOK	0	P	16 51 46.3				iS	5.2	29	16	10	0.8	1.0	0.6			
	MIZR	0	P	51 50.0				iS	6.7									兵庫県 南部
	KYT	0	eP	52 01.0				iS	13.0	8	9	4	0.6	0.	0.8			Hyogo pref.
	HKN	0	eP	52 02.8				S	16.2	16	9	4	0.6	0.4	0.5			
	OKYM	0	P	52 05.4				iS	18.0	6	9	3	0.4	0.4	0.4			
	NR	0	eP	52 05.9				eS	17.8									35°51′
	OSK	0	P	52 21.4						13	12	3	1.0	0.5	0.4	X	4.4	134°54′ 10 Km
	YNG	0	iX	52 21.6														
26	NGY	0	iP	16 56 51.0	−5	−6	+6	iS	24.6	202	206	83	0.8	0.8	1.0			
	HKN	0	eP	56 55.5				iS	27.5	284	322	135	1.0	1.0	1.7			
	KYT	0	iP	56 02.6	−1	−1	+2	iS	35.4	57	37	26	1.4	0.8	1.0			松代付近
	NR	0	eP	56 05.0						150	150	100	1.7	1.7	1.3			Near
	MIZR	0	eP	56 08.0	−2	−2	+6	eS	31.8									Matsu-
	OWS	0	P	56 08.2				S	40.2	25	19	16	1.0	0.8	1.2			shiro
	TYOK	0	P	56 14.7	(−)	−4		S	39.3	190	150	52	1.2	1.0	0.8			
	SMSK	0	eP	56 15.5				eS	45.3	28	32	17	1.6	1.6	1.8			36°31′
	WKYM	0	eP	56 15.6				S	46.2	50	50		1.0	0.8				138°9′ 0 Km
	SMT	0	P	56 15.8	+1			eS	47.0	22	22	11	3.8	2.4	4.4	eX	8.2	
	OSK	0	eP	56 16.3						205	224	111	4.9	6.1	2.2	X	39.6	
	TKSM	0	eP	56 18.6				eS	49.7									
	KOB	0	eP	56 19.5				eS	38.3									
	HMJ	0	eP	56 23.2				eS	41.8									

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	OKYM	0	eP	56 23.–		(–)		iS	52.0	25	20	11	2.0	1.8	1.8			
	SIG	0	eP	56 23.4	(+)	+1	(–)	S	58.4	12	9	8	1.8	2.4	4.0			
	TTR	0	eP	56 23.5				eS	48.9									
	TKMT	0	eP	56 27.6				eS	54.8	28	31	9	4.2	4.4	1.4			
	MRTM	0	iP	56 32.0	(+)		(–)	iS	1 7.6	15	16	10	7.0	4.2	5.0			
	TRGS	0	eP	56 37.8				eS	56.2									
	YNG	0	eP	56 39.1				S	53.4									
	KOCH	0	eP	56 42.6				eS	1 3.4									
	HMD	0	eP	56 44.5				eS	1 10.7	9	5	7	2.3	3.0	1.9			
	HRSM	0	eP	56 46.4				iS	1 16.8	21	10	14	3.8	3.0	2.0			
	MTYM	0	eP	56 56.0				eS	1 7.5	16	12	10	2.4	3.3	3.1			
	UWJM	0	eP	57 09.5				eS	1 10.4									
	SMZ	0	eP	57 15.9				eS	1 13.7	8	8	5	3.4	5.6	3.2			
26	NGY	0	eP	17 06 15.2			–1	S	21.4	33	43	18	0.8	0.8	0.8			伊豆半島 Near Matsuzaki 36°N 138°E 10 Km
	HKN	0	eP	06 19.6				S	26.6	50	44	19	1.0	1.0	1.6			
	KYT	0	eP	06 30.0				eS	31.0	7	7	3	1.4	0.8	0.4			
	NR	0	eP	06 35.0														
	TYOK	0	P	06 37.3				S	40.8	22	19	6	1.1	1.0	0.8			
	OWS	0	P	06 38.0				S	41.6	6	3	5	1.6	0.6	0.8			
26	NGY	0	eP	17 24 12.4				S	22.4	5	6	2	2.0	1.0	0.8			
26	NGY	0	eP	18 08 36.8			–1	S	22.4	5	5	2	0.6	1.4	0.8			
27	HKN	0	eP	11 54 39.8				eS	21.1	11	11	6	1.0	1.1	0.9			
29	NGY	0	eP	19 21 44.0	–4	–2	+3	X	1 48.8	105	107	38	2.8	2.6	2.2	L	4 12.0	北海道東方沖 E off Hokkaido
	HKN	0	eP	21 48.1						101	87	87	23.4	26.5	15.2			
	KYT	0	iP	21 54.5	–1	–1	+1	eS	2 20.3	21	48	27	5.6	16.2	16.0			
	MIZR	0	eP	21 54.6				eS	2 19.4									
	TYOK	0	iP	21 58.2	–11	–13	+9	eS	2 21.5									

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	OSK	0	P	22 00.1			+6			238	249	100	3.3	5.3	17.4			
	OWS	0	eP	22 01.0				S	2 14.0	45	43	52	16.0	14.4	15.6			43°11′ 147°0′ 30 Km
	KOB	0	P	22 02.4			+4											
	SIG	0	eP	22 03.4	(–)	–1	+1	S	2 36.0	29	50	36	4.8	12.9	4.6	eL	3 34.–	
	TTR	0	P	22 04.2				S	2 18.4									
	HMJ	0	eP	22 04.9														
	WKYM	0	eP	22 04.9				S	2 24.6	65	74	42	24.9	16.7	17.4			
	SMT	0	P	22 05.5	(+)	(+)	(–)	eS	2 34.3	36	48	30	18.6	17.2	17.6	L	3 14.–	
	SMSK	0	eP	22 07.7				eS	2 54.9	42	51	17	13.8	13.8	17.6	eL	4 7.9	
	YNG	0	eP	22 10.2				eS	2 40.3									
	MTE	0	eP	22 11.9														
	OKYM	0	iP	22 12.0	–3	–4	+5	S	2 56.0	25	50	30	12.4	14.8	15.0			
	TKMT	0	iP	22 13.4	–4	–6	+1	eS	2 33.6	53	72	16	25.9	15.5	21.7			
	TKSM	0	eP	22 13.5				eS	2 29.6									
	TRGS	0	eP	22 18.8												iX	3 18.0	
	MRTM	0	iP	22 23.9	(+)		–1	X	2 48.1	60	49	52	15.6	17.0	10.4	X	5 54.6	
	HMD	0	P	22 24.0	–3	–5	+5	S	2 31.0	31	33	37	5.4	5.2	3.8			
	HRSM	0	P	22 27.0	–2	–2		eS	2 46.2	34	42		15.0	18.0				
	MTYM	0	eP	22 28.3				eS	2 36.8	63	57	54	14.5	15.0	18.5			
	KOCH	0	eP	22 34.1				eS	2 50.1									
	UWJM	0	eP	22 36.5				eS	2 49.1									
	SMZ	0	P	22 37.4	–1	–2	+3	eS	3 13.6	37	45	18	14.8	14.7	14.3			
	NR	0	eP	22 57.6						100	100	50	2.0	2.0	2.0			
30	TYOK	0	P	01 45 45.2				eS	2 21.6	6	4		15.8	13.9				北海道東方沖 E off Hokkaido
	OSK	0	eX	45 59.7						24	27	7	4.9	4.5	4.0			
30	WKYM	I	iP	05 29 51.4				iS	1.5	14			0.4					
30	OSK	0	eX	12 04 55.2						19	20	9	3.6	4.0	13.2			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s
30	MTYM	0	eP	12 51 41.4				eS	5 46.7	4	6	2	2.0	3.1	2.1		
	SMT	0	iP	51 51.5	(+)	(+)	+1	iS	5 54.2	4	7	4	4.0	3.0	1.6		
	OWS	0	P	51 52.4				S	5 48.4	3	6	3	2.0	3.4	2.6		
	HKN	0	eP	52 01.6				S	6 2.3	8	7	3	1.4	1.6	0.6		
	OSK	0	eX	57 54.0						27	23	10	4.6	4.6	2.4		
30	NGY	0	eP	12 58 08.0	−6	−4	+1			10	13	3	2.4	2.8	1.8		

International Seismological Centre

Report of Earthquakes—
—Station without Seismograph.

Jan. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T) h m	Earthquake Sound
3	Kibi	吉備	Wakayama	II	18 04	
	Ryūjin	竜神	〃	II	05	heard
	Gobō	御坊	〃	I	05	
3	Futatsuno	二津野	Nara	I	19 13	
	Ryūjin	竜神	Wakayama	II	15	heard
	Kurisugawa	栗栖川	〃	II	15	
10	Ōuda	大宇陀	Nara	II	07 09	
	Kawakami	川上	〃	II	09	
	Futatsuno	二津野	〃	I	09	
10	Gobō	御坊	Wakayama	I	17 35	heard
	〃	〃	〃	II	36	
	〃	〃	〃	I	38	
12	Sueno	末野	Hyōgox	I	11 30	
12	Kurose	黒瀬	Hiroshima	III	11 59	
	Matsuno	松野	Ehime	III	59	
	Saijyō	西条	〃	II	59	
	Ōsu	大州	〃	II	59	
	Mikawa	美川	〃	II	59	
	Nagahama	長浜	〃	II	59	
	Sukumo	宿毛	Kōchi	II	59	
	Higashitsuno	東津野	〃	II	59	
	Kake	加計	Hiroshima	II	59	
	Kabe	可部	〃	II	59	
	Kure	呉	〃	II	59	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
12	Toyosaka	豊　栄	Hiroshima	II	$11^h 59^m$	
	Midori	美土里	〃	II	59	
	Shirakawa	白　木	〃	II	59	heard
	Yoshida	吉　田	〃	II	59	
	Chiyoda	千代田	〃	II	59	heard
	Shōbara	庄　原	〃	I	59	
	Matsunaga	松　永	〃	I	59	
	Suzaki	須　崎	Kōchi	I	59	
	Hashihama	波止浜	Ehime	I	59	
14	Gobō	御　坊	Wakayama	II	06 30	
17	Hii	比　井	〃	II	12 59	
	Kurisugawa	栗栖川	〃	II	13 02	
	Hiki	日　置	〃	II	02	
	Futatsuno	二津野	Nara	I	02	
18	Gobō	御　坊	Wakayama	I	23 33	
	Inami	印　南	〃	II	33	heard
	Wasa	和　佐	〃	I	33	〃
	Shirahama	白　浜	〃	I	33	
18	Gobō	御　坊	〃	II	14 04	heard
20	Sonobe	園　部	Kyōto	II	11 32	
	Katada	堅　田	Shiga	II	32	
	Haruta	治　田	〃	II	32	heard
	Takayama	高　山	Nara	II	32	
	Oyama	尾　山	〃	II	32	
	Sueno	末　野	Hyōgo	II	32	
	Rokutanji	六堪寺	Hyōgo	II	32	
	Akashi	明　石	〃	I	32	

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Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
20	Miyama	美　山	Kyōto	I	$11^h 32^m$	
22	Kabe	可　部	Hiroshima	II	12 15	
24	Chiyoda	千代田	〃	I	17 15	
25	Gobō	御　坊	Wakayama	I	21 37	

Remarks: Data containd in this report are ones whose maximum double amplitude exceeds 1mm on the record of electromagnetic, wiecherts and Portable seismograph.

International Seismological Centre

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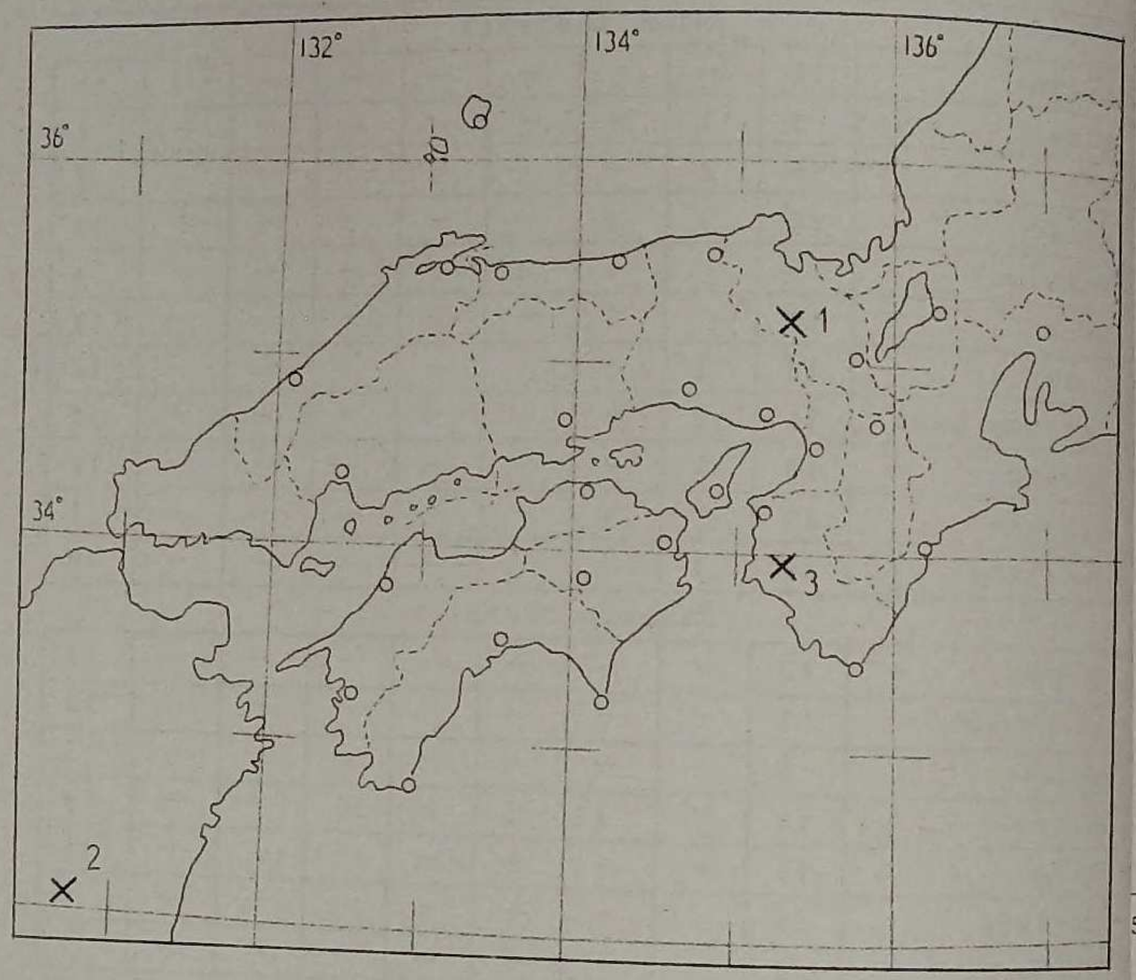
Number of earthquakes

Feb. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	19	—	—	—	—	—	—	—	19
Himeji	5	1	—	—	—	—	—	—	6
Kōbe	6	1	—	—	—	—	—	—	7
Kyōto	20	2	1	—	—	—	—	—	23
Maizuru	6	—	1	1	—	—	—	—	8
Nara	11	—	1	—	—	—	—	—	12
Ōsaka	23	1	—	—	—	—	—	—	24
Shionomisaki	16	1	—	—	—	—	—	—	17
Sumoto	18	1	—	—	—	—	—	—	19
Toyooka	21	—	1	—	—	—	—	—	22
Wakayama	18	1	1	—	—	—	—	—	20
Chugoku District									
Hamada	12	—	—	—	—	—	—	—	12
Hiroshima	12	—	—	—	—	—	—	—	12
Matsue	5	—	—	—	—	—	—	—	5
Okayama	18	—	1	—	—	—	—	—	19
Saigō	15	—	—	—	—	—	—	—	15
Tottori	6	—	—	—	—	—	—	—	6
Yonago	5	—	—	—	—	—	—	—	5
Shikoku District									
Kōchi	7	—	—	—	—	—	—	—	7
Matsuyama	15	—	—	—	—	—	—	—	15
Murotomisaki	21	—	—	—	—	—	—	—	21
Shimizu	13	1	—	—	—	—	—	—	14
Takamatsu	10	1	—	—	—	—	—	—	11
Tokushima	10	1	—	—	—	—	—	—	11
Tsurugisan	7	—	—	—	—	—	—	—	7
Uwajima	4	2	—	—	—	—	—	—	6

Epicenter of the major felt earthquakes, in west Honshū and Shikoku.

Feb. 1968



No.	Date	Origin time (J.S.T.)	Epicenter				Max. S.I.
			Location	Lat.	Long.	Depth	
1	14	11h 31m	京都府北部 N of Kyōto pref.	35°13′ N	135°21′ N	10 Km	III
2	21	10 45	宮崎県（えびの地震） SW of Miyazaki pref.	32.1	130.43	0	V
3	24	20 47	和歌山県 Wakayama pref.	33.56	135.21	10	III

International Seismological Centre

No.	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	TRGS	0	iP	08 19 47.4				iS	0.9									
	NGY	0	eP	20 03 30.0			+1	eS	2 14.8	12	9	3	2.4	2.6				
	HKN	0	eP	03 33.6				eS	2 17.6	18	12	13	15.6	15.6	15.0	eL	3 31.–	
	TYOK	0	P	03 40.1				eS	2 11.0	20	9	12	14.7	18.0	15.2			北海道
	KYT	0	eP	03 40.6				eS	2 28.6	5	14	7	13.4	14.6	13.9			東方沖
	OWS	0	eP	03 46.3						5	6	10	16.0	15.0	14.0			
	SIG	0	P	03 50.8	+1	+1	−1	eS	2 39.6	5	10	5	12.0	15.2	13.0	eL	4 28.–	E off
	SMT	0	P	03 52.6				eS	2 14.4	7	13	10	13.0	14.5	14.1	L	3 32.–	Hokkaidō
	SMSK	0	eP	03 52.7				eS	2 49.6	9	17	2	14.7	14.4	12			
	OKYM	0	eP	03 56.5						3	9	10	16.0	14.4	15.0	eL	3 13.–	42°40′
	TKMT	0	eP	03 59.8				eS	2 2.8	8	13	4	15.5	14.6	14.4			147°5′
	MRTM	0	eP	04 09.2				eS	2 36.6	16	10	13	15.0	15.0	16.0	eL	4 8.1	10 Km
	HMD	0	eP	04 12.6				eS	3 1.0	4	4	5	3.0	2.9	2.7	eL	4 9.4	
	MTYM	0	eP	04 19.3						10	9	11	17.2	14.7	15.4	eX	1 45.0	
	HRSM	0	eP	04 23.0						11	7	3	17.0	16.0	16.0	eL	5 4.–	
	SMZ	0	eP	04 23.6						10	6	6	14.0	13.4	13.0	eL	4 43.–	
	OSK	0	X	06 38.9						22	42	22	4.4	14.4	14.2	eX	2 51.–	
5	WKYM	II	iP	17 06 34.2				iS	1.1	140	141	45	0.1	0.1	0.1			
	SMT	0	P	06 37.1	−3	+2	−3	S	3.2	31	14	8	0.3	0.3	0.3			和歌山付近
	TKSM	0	eP	06 40.2				iS	9.4									Near Wakayama
	SMSK	0	eP	06 48.0				iS	11.3	10	4	3	0.4	0.4	0.2			
	KOB	0	eX	06 50.0														
	OKYM	0	P	06 51.5		−1		S	15.5	5	7	1	0.5	0.5	1.7			34°5′ 135°5′ 0 Km
	TYOK	0	X	07 15.5						8	7		1.4	1.4				
5	WKYM	0	P	23 02 29.4				iS	0.6	13	12		0.1	0.1				
7	MTYM	0	eP	09 25 38.2				eS	2 58.5	5	7	1	2.7	2.8	2.4			
	MRTM	0	iP	25 38.6	(+)		−1	iS	2 34.4	5	6		4.4	6.0				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	HRSM	0	eP	25 56.9				eS	2 50.2	6	10	2	4.0	4.0	2.0			
	HMD	0	P	26 02.8		(+)	(−)	eS	2 55.3	6	7	4	3.8	4.6	3.0			
	OSK	0	eX	26 20.−						20	14		3.8	5.2		eX	2 10.−	
7	SMZ	0	eP	15 29 28.6				eS	38.7	6	4	4	2.0	1.4	1.4			鹿児島南部 S of Kyushu (31 / 130 / 40)
	MTYM	0	eP	29 36.4				eS	39.0	9	7	2	0.6	0.7	0.7			
	TKSM	0	eP	29 50.8														
	TYOK	0	eP	30 11.2				eS	1 4.7	18	3		1.2	1.2				
	OSK	0	eX	31 36.−						16	15	6	2.0	4.0	2.8			
7	KYT	0	iP	21 32 43.6	−2	+6	−1	iS	0.1	3	6	1	0.2	0.2	0.6			
11	SMSK	0	iP	21 15 51.2						8	4	3	2.7	2.7	1.7			
	OWS	0	P	15 55.0	+1	+1	+2	S	1 25.8	13	5	6	3.6	1.8	1.6			
	NR	0	eP	16 02.2														Bonin IS. (28 / 139 / 50)
	NGY	0	P	16 02.4			+3	S	1 31.2	15	30	17	1.8	2.6	1.0			
	SMT	0	iP	16 02.5	+1	−1	+1	S	1 30.4	5	6	3	2.6	2.8	2.4			
	SMZ	0	P	16 03.4	+1		+3	S	1 30.2	7			2.5					
	OSK	0	iX	16 03.5						27	28	15	4.4	4.0	2.6			
	KYT	0	iP	16 05.0	+1	−1	+1	iS	1 33.0	5	5	6	1.6	2.0	1.0			
	HKN	0	eP	16 06.4				eS	1 28.6	16	17	10	1.1	1.3	1.6			
	OKYM	0	iP	16 10.2				S	1 36.3	8	5	7	2.2	2.2	2.2			
	TYOK	0	eP	16 11.9						18	11		1.2	1.0				
	HRSM	0	eP	16 17.0	+1	−2	+3	eS	1 42.1	6	6	3	3.5	3.5	1.9			
	HMD	0	eP	16 22.3				eS	1 47.0	9	15	5	3.0	3.8	2.8			
12	SMSK	0	eP	14 52 34.2				iS	6 16.2	19	23	5	29.−			eL	9 53.2	New Irel. region (5 / 153 / 74)
	OWS	0	P	52 38.5						15	25	19	22.2	8.4	16.0			
	MRTM	0	eP	52 39.6				S	5 47.9	21	25	16	10.0	10.0	5.0	X	9 33.4	
	SMZ	0	P	52 39.8			+1			13	9	9	8.8	7.7	8.1	eX	9 41.2	
	SMT	0	P	52 42.1				S	6 22.9							iX	9 50.2	

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	WKYM	0	P	52 43.0				S	5 56.2	20	11	3	9.8	10.5	5.5			
	NGY	0	P	52 45.8	+2		+6			13	14	9	3.0	2.8				
	OSK	0	eP	52 46.2						78	99	33	4.6	5.3	4.5			
	TRGS	0	eP	52 46.5												eX	6 23.1	
	KYT	0	eP	52 47.5			+1			7	12	6	14.0	2.6	3.4			
	HKN	0	eP	52 48.3				eS	6 22.9	14	12	7	1.3	1.5	1.5			
	OKYM	0	eP	52 48.8			(+)	eS	6 27.7	7	18	20	8.0	10.0	4.6			
	MTYM	0	eP	52 49.2						22	22	12	14.2	8.3	19.6	eX	5 57.0	
	TKMT	0	eP	52 49.5				eS	6 20.4	14	16	7	20.8	9.9	37.0	eSS	9 35.9	
	HRSM	0	eP	52 53.1				eS	6 22.6	12	20	12	12.2	11.8	3.6	eSS	9 51.0	
	TYOK	0	eP	52 54.6				eS	6 20.5	25	21	19	1.0	36.5	23.0	X	9 56.9	
	HMD	0	eP	52 59.0				eS	6 32.0	22	31	25	8.2	9.8	3.8	eL	11 20.4	
	SIG	0	P	53 03.9	−1	+1	(−)	X	6 37.2	20	18	18	4.0	7.7	5.4	X	9 57.3	
12	UWJM	I	iP	16 32 15.2	−6	+8	+10	iS	8.3									
	MTYM	0	iP	32 16.8	+3	+4	+3	iS	9.8	26	27	13	0.6	0.7	0.4			伊予灘 Iyonada (33°32′ / 132°5′ / 70 Km)
	HRSM	0	iP	32 19.6		−3	−3	iS	11.8	7	10	7	0.5	0.5	0.5			
	SMZ	0	eP	32 23.6				S	13.4	6	8	3	0.4	0.4	0.3			
	OKYM	0	eP	32 38.−						6	4		0.4	0.3		iX	17.−	
	KYT	0	eP	32 41.9				eS	1.6	2	8	1	0	0	0			
14	MIZR	III	iP	11 31 32.5	+69	+36	+65	iS	3.0	600	500	1700	0	0	0			
	KYT	II	iP	31 35.4	−4	+6	+30	iS	5.2	174	222	94	0	0	0			京都府北部 N of Kyoto pref. (35°13′ / 135°21′ / 10 Km)
	TYOK	II	iP	31 37.2	+9	−13	+9	iS	7.1	>750	>645	260			0.4			
	KOB	I	iP	31 38.9	−8	+4	+13	iS	7.5							iX	0.2	
	OSK	I	iP	31 40.0	−7	+1	+54	iS	9.2	98	80	54	4.1	3.5	0.5	iX	1.1	
	NR	II	iP	31 40.7	−7	+6	+27	iS	9.6	100	50	50	0.6	0.5	0.8			
	HMJ	I	iP	31 40.9	+16	+24	−17	iS	9.6									
	HKN	X	iP	31 41.5	−10	−32	−19	iS	9.3	103	88	26	1.1	0.9	0.8			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
	WKYM	0	P	31 45.3		iS	13.9	68 117	0.8 1.0			
	SMT	I	iP	31 45.6	−1 (−) +1	iS	13.4	61 110 24	0.4 0.4 1.4			
	TTR	X	iP	31 46.8	−4 +4 −5	S	12.9					
	OKYM	II	iP	31 50.4	+7 +11 −5	iS	18.0	97 78 23	0.4 0.4 0.3			
	TKMT	I	iP	31 51.9	+3 +4 −1	iS	18.8	113 86 51	1.0 1.0 0.6			
	NGY	0	iP	31 52.0	−2 −2 −12	iS	17.6	35 40 14	0.4 0.6 0.4			
	OWS	0	iP	31 53.0	−6 +2 +3	iS	17.0	37 33 13	0.2 0.4 0.2			
	TRGS	0	eP	31 54.3		S	23.6					
	TKSM	0	eP	31 54.7		iS	16.1					
	YNG	0	eP	31 55.4		iS	24.0					
	SMSK	0	eP	31 57.5		eS	23.7	8 8 7	1.6 2.0 1.0			
	SIG	0	P	32 01.1	(−) (+) (−)	iS	25.5	40 27 16	1.0 0.6 0.6			
	MTE	0	eP	32 01.3		S	25.5					
	MRTM	0	eP	32 07.0		S	30.0	10 21 10	1.8 2.0 1.6			
	MTYM	0	eP	32 08.6		eS	36.8	16 21 6	0.8 0.6 0.7			
	KOCH	0	eP	32 10.2		eS	26.7					
	HRSM	0	eP	32 11.0	−1 +1	eS	33.7	8 4 5	1.2 1.4 0.8			
	SMZ	0	eP	32 30.8		eS	40.4	7 4 2	2.2 2.2 1.8			
14	MIZR	II	iP	17 50 26.8	+6 +4 +23	iS	1.4					
	TYOK	0	iP	50 33.8		iS	6.7	11 3	0.6 0.3			
14	OWS	0	eP	23 40 50.0				4 4 6	8.4 8.2 8.4			
	SMT	0	eX	40 54.5				5 3 4	8.0 8.0 8.0	eL	2 14.8	
	OSK	0	eX	41 03.−				17 14 6	7.2 7.6 2.4			
	MTYM	0	eX	41 06.5				3 6 2	9.3 8.3 8.2	eX	3 9.0	
	MRTM	0	eL	43 02.0				10 10 7	9.0 8.8 8.0	eX	22 32.0	
	SMZ	0	eX	43 54.2				9 9 5	8.7 8.6 9.1			
17	WKYM	0	P	00 10 26.3		iS	5.0	16 19	0.2 0.2			

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Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
TKSM	0	eP	10 27.5		eS	5.0					
MRTM	0	iP	10 34.7	(+) (+) (+)	S	13.1	5 3 2	0.4 0.4 0.4			
OWS	0	P	10 36.5		S	14.5	5 4 2	0.2 0.2 0.4			
OKYM	0	eP	10 40.5	(−) (−)	eS	14.−	9 9 1	0.3 0.3 0.3			
TKSM	0	eP	01 25 35.6		eS	5.3					
SMSK	0	eP	25 41.2		eS	9.2	4 6 2	0.4 0.4 0.9			
OWS	0	P	25 45.2		iS	13.4	5 4 2				
OKYM	0	P	25 49.3	(+) (+)	iS	15.5	5 5 1	0.3 0.3 0.3			
OSK	0	iX	25 58.2				8 8	2.9 3.6			
MIZR	0	P	16 10 26.3		iS	2.8					
KYT	0	eP	10 30.3		iS	5.3	5 8 1	0 0 0.6			
MIZR	0	P	22 30 02.9		iS	2.8					
SIG	0	eX	07 57 55.0				9 17 9	13.2 13.8 13.0	eL	31 35.−	
HRSM	0	eP	57 58.−		eS	10 8.−	15 16 8	19.9 19.1 19.7			
MTYM	0	eP	58 01.5		eS	10 12.5	16 17 16	13.8 15.9 22.9			
TYOK	0	eP	58 01.8		eS	9 53.6	16 19 17	17.2 12.8 13.6			Aegean
OKYM	0	eP	58 01.−		eS	10 3.−	3 8 10	12.5 14.5 13.3			sea
SMT	0	P	58 06.0	(−)	S	10 13.9	13 11 10	14.9 15.0 12.1	L	30 34.−	
KYT	0	eP	58 08.0				9 13 8	12.0 14.0 16.0	eX	2 24.0	39°24′
SMZ	0	eP	58 08.3				17 14 12	13.3 14.4 13.6	eX	10 12.0	25°0′
TKMT	0	eP	58 09.1		eS	10 5.0	15 12 4	15.0 14.4 16.1			7 km
MRTM	0	eP	58 09.5		X	10 22.5	20 22 12	13.0 11.0 14.0	eX	15 2.5	
SMSK	0	eP	58 09.6		eS	10 31.3	22 21 5	15.1 16.3 15.5	eL	29.−	
OWS	0	eP	58 10.1				12 11 13	13.0 13.2 14.0			
NGY	0	eP	58 11.2	+2			15 15 10	13.0 13.2 12.6	L	33 —	
HKN	0	eP	58 12.9				22 16 17	13.8 13.1 15.0	eL	32 18.−	
OSK	0	eX	58 14.9				25 33 22	8.2 10.4 16.0	eX	38 25.−	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s
	HMD	0	eX	08 07 16.7						10	12	10	16.3	16.6	18.7	eL	20 5.5
	WKYM	0	eX	27 27.8						10	9	7	15.6	14.0	14.3		
21	SIG	0	iP	08 29 47.0	−1	−1	+4			4	3	8	1.0	0.9	1.2		
	TYOK	0	eS	29 47.9						14	7		1.2	1.1			
	KYT	0	iP	29 52.4			(+)	iS	47.8	5	9	3	1.2	1.6	1.4		
	HKN	0	S	30 37.3						10	13		1.1	1.3			
21	UWJM	0	eP	08 52 14.6				S	25.8	150	200	150	4.7	5.2	4.0		
	SMZ	0	P	52 16.1	+1		+1	S	25.9	90	58	64	1.2	1.2	1.6		
	MTYM	0	eP	52 23.0	(−)	(−)	(−)	iS	33.3	107	91	91	5.3	5.2	5.3		
	HRSM	0	P	52 25.4				S	32.3	58	63	36	5.4	5.6	2.6		
	MRTM	0	iP	52 29.8		(+)	(+)	iS	45.2	80	30	46	7.6	5.0	5.4		
	KOCH	0	iP	52 30.0				iS	36.9								
	HMD	0	P	52 30.7	−7	−1	−9	S	36.2	54	83	37	5.7	5.9	3.9		
	TRGS	0	P	52 38.2				S	44.2								
	TKMT	0	eP	52 38.7				eS	49.9	106	96	49	4.4	1.2	4.4		
	OKYM	0	eP	52 40.0				eS	40.0	33	74	83	5.0	4.2	4.5		
	TKSM	0	eP	52 42.9				eS	49.6								
	SMT	0	P	52 44.5		(−)	(−)	eS	51.1	89	63	53	5.7	4.9	4.9	iX	15.4
	SMSK	0	eP	52 48.0				eS	58.9	38	38	15	5.5	5.5	5.0		
	MTE	0	eP	52 49.7				S	51.5								
	TTR	0	eP	52 50.8				S	51.6								
	WKYM	0	P	52 53.0				S	58.6	53	39	21	3.1	2.0	4.9		
	OWS	0	iP	52 55.0	(−)	(−)	(−)	S	1 10.0	40	18	19	5.2	5.4	5.0		
	HMJ	0	eP	52 56.7				eS	58.0								
	OSK	0	eP	52 57.1				eS	1 11.6	252	298	105	4.9	4.4	2.5	X	1 20.6
	NR	0	eP	52 57.5						50	50		1.8	2.0			
	MIZR	0	P	52 58.8				eS	1 0.6								

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Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
SIG	0	eP	53 00.0	−1	−1	(−)	S	1 4.2	31	38	15	3.2	2.6	2.6			
KYT	0	eP	53 00.5				eS	1 3.3	21	21	19	3.8	5.0	6.0			
KOB	0	eX	53 03.0				eS	1 5.4									
HKN	0	eP	53 06.9				eS	1 7.6	64	42	21	3.8	3.2	5.3			
TYOK	0	eP	53 08.6				eS	59.4	134	164	40	1.0	1.2	4.8			
NGY	0	eP	53 12.4				eS	1 11.6	44	42	15	3.4	3.0	3.6	L	1 43.2	
YNG	0	eS	53 31.5														
UWJM	I	eP	10 45 27.−				iS	27.−	300	400	200	5.8	5.8	3.5			
SMZ	I	P	45 29.3	−2	−3	−6	iS	25.2	215	146	148	1.2	1.2	1.4			
MTYM	0	eP	45 37.9	(−)	(−)	(−)	iS	33.1	265	209	219	5.4	6.2	5.2			
HRSM	0	iP	45 39.9	−4	−1	−3	S	37.2	152	133	75	5.2	5.9	2.4			宮崎県
KOCH	0	iP	45 42.5				iS	37.7									
HMD	0	iP	45 44.6	+5		+5	S	34.1	115	153	80	5.1	6.2	2.5			SW of
MRTM	0	iP	45 45.0			(+)	S	46.0	180	98	82	5.0	3.2	5.6			Miyazaki
TKMT	0	eP	45 51.6				eS	48.7	166	227	131	2.0	2.8	5.2			pret.
TRGS	0	P	45 52.0				S	58.1									
OKYM	0	eP	45 53.4				eS	42.0	83	99	139	5.2	5.0	5.0			(えびの
TKSM	0	eP	45 55.5				eS	49.6									地震)
SMT	0	P	46 00.0				S	49.2	162	83	75	6.8	5.6	5.0	iX	12.5	
MTE	0	eP	46 00.2				eS	50.6									32°1′
WKYM	0	P	46 03.0				S	58.8	160	148	42	2.2	2.5	3.0			130°43′
SMSK	0	eP	46 03.1				eS	57.3	54	65	15	7.7	6.4	5.0			0 Km
HMJ	0	eP	46 03.2				eS	1 0.4									
KOB	0	eP	46 05.1						100	150	50	6.1	6.1	6.1	eX	1 5.4	
TTR	0	P	46 05.3				S	57.6	100	200	250	6.5	6.5	6.5			
SIG	X	eP	46 06.2	(−)	(−)	(−)	S	1 4.3	91	105	36	2.8	2.8	2.4			
YNG	0	eX	46 06.2				eS	34.1									

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period(sec) N	E	Z	Pha.	p~Pha m s
	OSK	0	eP	46 10.0				eS	1 11.0	299	385	265	4.6	4.8	2.9	iX	1 22.0
	OWS	0	P	46 10.6	(+)	(−)	(−)	S	1 2.6	65	30	30	6.0	5.6	6.2		
	NR	0	eP	46 11.3						150	150	50	2.2	2.0	1.7		
	TYOK	0	eP	46 11.4				eS	58.0	260	243	77	0.9	1.0	4.8		
	KYT	0	iP	46 13.5	−1	−1	−1	eS	1 3.1	48	49	37	2.2	1.8	6.2		
	MIZR	0	iP	46 13.8				eS	56.5								
	HKN	0	eP	46 21.4				eS	1 6.6	133	112	33	1.9	3.2	5.5		
	NGY	0	eP	46 27.2			−1	S	1 10.4	114	113	36	3.2	2.4	6.6	L	1 44.8
22	UWJM	0	eP	19 19 40.5				eS	25.9	50	100	50	5.0	5.0	4.0		
	SMZ	0	P	19 44.0	−2	−3	−4	S	25.6	79	36	46	1.2	1.2	1.6		
	MTYM	0	eP	19 50.8	(−)	(−)	(−)	iS	33.7	86	54	47	6.1	0.8	5.1		
	HRSM	0	P	19 55.2	+3	+3	(+)	S	32.8	41	54	29	5.3	5.1	1.8		
	KOCH	0	eP	19 57.9				iS	37.1								
	HMD	0	P	19 58.8	−2		−3	S	36.8	47	60	27	6.1	5.8	5.7		
	MRTM	0	P	20 02.2				S	45.8	58	39	27	5.2	7.0	5.0		
	OKYM	0	eP	20 07.0				eS	41.−	30	32	48	4.−	4.0	4.8		
	TRGS	0	eP	20 07.−												eX	1 4.−
	TKMT	0	eP	20 09.0				eS	48.8	67	60	24	1.0	2.4	4.6		
	TKSM	0	eP	20 10.4				eS	49.5								
	SMT	0	P	20 12.5				eS	50.3	64	30	33	5.4	5.6	5.8	eX	15.1
	WKYM	0	eX	20 16.8						55	48	14	2.4	1.8	1.8		
	MTE	0	eP	20 17.2				S	50.2								
	SMSK	0	eP	20 18.0				eS	56.9	21	26	5	5.8	5.7	1.7		
	YNG	0	P	20 18.9			(+)	eS	52.1								
	TTR	0	eP	20 19.1				eS	59.5								
	SIG	0	eP	20 20.1	−1	(−)	(−)	S	1 4.1	25	28	11	2.6	3.0	2.6		
	OWS	0	P	20 22.7			(−)	S	1 0.9	25	14	14	6.8	5.8	5.2		

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period(sec) N	E	Z	Pha.	p~Pha m s	Remarks
	NR	0	eP	20 26.3						50	50		2.0	2.0				
	KYT	0	eP	20 27.4				eS	1 3.0	16	15	14	5.4	5.4	6.0			
	HMJ	0	eP	20 23.3				eS	57.8									
	HKN	0	eP	20 32.3				eS	1 4.6	46	41	17	1.9	1.9	2.4			
	TYOK	0	eP	20 34.9				eS	56.4	87	70	20	1.2	1.2	4.2			
	OSK	0	X	20 38.0				eS	56.0	243	193	72	4.5	4.5	3.8	X	1 6.2	
	KOB	0	eP	20 40.7												eX	1 2.0	
	NGY	0	eP	20 41.0			+1	eS	1 1.4	32	31	15	3.4	2.8	7.0	L	1 44.2	
23	WKYM	0	iP	00 22 18.9				iS	1.5	64	35		0.1	0.1				
23	WKYM	0	iP	00 32 59.4				iS	0.2	9	8		0.1	0.1				
23	KYT	I	eP	20 26 13.6				iS	0.1	12	16	1	0	0	0			
24	WKYM	I	P	20 47 06.1				iS	3.0	108	158	22	0.1	0.1	0.1			
	SMT	0	iP	47 10.9	−2	+1	−2	iS	6.9	17	12	5	0.5	1.1	2.0			
	SMSK	I	iP	47 12.6	+1	−1	−3	iS	8.2	25	20	13	0.6	1.6				和歌山県
	OWS	0	P	47 14.0				S	9.4	20	10	8	1.4	3.6	4.0			
	TKSM	I	eP	47 14.1	−1	+2	−2	iS	8.0									Wakayama
	OSK	0	P	47 15.0			+3			35	45	13	2.9	2.9	3.6			pref.
	KOB	0	eP	47 15.4				eS	10.1									
	NR	0	eP	47 16.6														33°56′
	TKMT	0	eP	47 21.9				iS	15.2	29	24	16	0.5	0.5	0.3			135°21′
	KYT	0	iP	47 22.5			+1	eS	13.7	6	6	4	1.8	1.6	1.2			10 Km
	MRTM	0	iP	47 23.2	−1	−1	(+)	iS	16.0	13	13		1.0	1.0				
	OKYM	0	eP	47 26.0				iS	18.4	20	18	6	0.6	0.6	0.4			
	TYOK	0	eP	47 29.7				S	22.3	54	57	15	1.0	1.0	0.8			
	HKN	0	eP	47 30.5				eS	17.3	23	27	9	1.0	1.0	0.8			
	KOCH	0	eP	47 30.8				iS	18.3									
	NGY	0	eP	47 36.6			+1	S	22.8	14	11	4	0.8	0.8	0.6			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period(sec) N	E	Z	Pha.	p~Pha. m s
	MTYM	0	eP	47 40.9				iS	26.8	13	15	4	0.7	0.7	0.6		
	SIG	0	P	47 52.4	(−)	(−)	(−)	S	37.1	6	6	3					
	TTR	0	S	47 58.1													
25	NGY	0	eP	00 11 25.5				eS	26.9	5	6	2	1.6	1.2	1.2		
25	NGY	0	P	00 25 08.0	+2	−1	+3	S	26.0	41	38	17	2.6	1.2	1.4		
	OWS	0	iP	25 12.5	(−)	(−)		S	27.7	6	9	9	6.0	6.0	7.4		
	HKN	0	eP	25 16.7				eS	31.2	34	33	12	1.2	1.4	2.0		
	SMSK	0	eP	25 18.3				eS	36.6	10	8	1	6.9	7.1			
	NR	0	eP	25 19.6													
	KYT	0	eP	25 20.0				eS	37.0	10	12	10	1.4	1.6	7.4		
	OSK	0	eP	25 20.–						106	108	29	5.2	4.7	3.2		
	WKYM	0	eX	25 22.3						8	8		1.0	1.0			
	KOB	0	eX	25 26.4													
	SMT	0	P	25 28.0	(+)	(−)		S	40.0	8	7	7	7.5	5.8	8.8		
	TYOK	0	eP	25 32.8				eS	47.0	24	27	3	1.1	1.0	4.8		
	OKYM	0	eP	25 38.5				eS	49.5	3	6	9	3.0	7.0	9.5		
	MRTM	0	iP	25 39.0	(+)	(−)				5	6	7	4.6	5.0	6.0	X	59.5
	HMD	0	eP	26 02.2				eS	1 14.8	5	4	5	3.8	7.4	7.2		
25	OWS	0	P	00 34 27.3				S	27.7	8	7	9	6.0	6.2	6.6		
	NR	0	eP	34 32.6													
	HKN	0	eP	34 34.3				S	30.7	52	40	14	2.7	1.0	1.1		
	NGY	0	eP	34 55.6				S	26.0	44	44	25	1.2	1.0	1.2		
	SMSK	0	eP	35 06.5				eS	37.5	8	8	2	7.2	6.1			
	WKYM	0	eX	35 07.4						8	8		1.3	1.3			
	KYT	0	eP	35 07.6				eS	36.2	12	12	8	1.2	1.4	8.0		
	OSK	0	eP	35 10.5						100	91	33	3.7	4.6	4.4		
	SMT	0	P	35 14.4			(−)	eS	40.4	10	7	7	6.9	8.1	7.2		

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period(sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	TYOK	0	eP	35 19.4				eS	46.3	21	23	6	1.0	1.0	6.8			
	OKYM	0	eP	35 27.0				eS	49.6	4	5	7	4.0	6.5	8.0			
	MRTM	0	iP	35 27.3	(+)	(+)	(+)			9	5	10	6.0	6.0	6.0	X	1 14.2	
	SIG	0	eP	35 53.3	(+)	(−)	(+)	eS	57.7	6	5	4	3.3	3.0	3.8			
25	NGY	0	eP	01 02 08.4				S	27.2	34	27	20	1.2	1.2	1.6			
	OWS	0	iP	02 15.0	(−)	−1	(+)	S	29.6	8	8	8	4.8	6.6	6.0			
	HKN	0	eP	02 21.1				S	30.3	32	38	10	2.2	1.6	1.4			新島付近
	KYT	0	eP	02 21.9				eS	35.8	10	6	5	7.8	6.0	5.4			Near
	OSK	0	eP	02 24.–						99	70	23	5.6	4.7	4.6			Niijima
	WKYM	0	eX	02 29.7						7	6		1.0	1.0				34°7′
	SMT	0	P	02 30.0			(−)	eS	40.2	11	6	6	8.3	5.2	6.4			139°14′
	TYOK	0	P	02 34.4				eS	46.1	24	14		1.0	1.2				10 Km
	MRTM	0	iP	02 41.0	(+)	(+)	(−)	iS	48.5	8	8	8	7.4	6.2	7.0			
25	NGY	0	P	01 50 22.0	−4	+8	−8	S	25.2	39	39	22	1.2	1.2	1.2			
	OSK	0	eP	50 22.–						73	41	20	5.3	5.0	2.2			新島付近
	OWS	0	P	50 26.8		+1	−1	S	29.4	6	6	7	4.6	4.0	6.2			Near
	HKN	0	eP	50 30.4				eS	32.1	38	31	14	2.0	1.8	1.6			Niijima
	NR	0	eP	50 32.4														34°11′
	KYT	0	eP	50 34.3				eS	35.2	10	10	5	1.6	1.4	2.2			139°13′
	SMSK	0	eP	50 34.4				eS	40.7	6	6	1	6.8	4.4				20 Km
	SMT	0	iP	50 42.5		+1	−1	eS	39.6	7	6	4	5.0	6.6	6.6	eX	50.2	
	TYOK	0	eP	50 46.1						15	13	4	0.6	0.5	5.8			
	MRTM	0	iP	50 53.3						5	5		6.0	5.0		eX	38.7	
	OKYM	0	eP	50 53.5				eS	48.0	2	4	5	4.0	8.0	8.0			
	SIG	0	eP	51 16.7	(+)	(−)	(+)	eS	1 1.1	6	5	3	3.6	2.2	2.2			
25	WKYM	0	P	02 52 04.1				iS	1.1	19			0.1					
25	WKYM	0	P	07 03 19.1				iS	0.1	33	63		0.1	0.1				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s
25	UWJM	0	eP	17 50 16.2				iS	25.0								
	SMZ	0	eP	50 20.7				S	26.0	13	6	7	1.6	1.6	1.6		
	MTYM	0	eP	50 24.6				eS	32.3	11	9	3	1.0	1.0	2.2		
	HMD	0	eP	50 31.2				eS	35.8	5	7	5	4.9	6.4	2.8		
	KOCH	0	eP	50 37.3				eS	28.1								
	MRTM	0	P	50 39.8			(−)	S	40.5	9	5	5	3.8	3.8	5.0		
	OKYM	0	eP	50 42.0				eS	55.5	4	7	9	4.2	4.0	6.0		
	TKMT	0	eP	50 44.4				eS	46.1	9	8		1.2	1.4			
	SMT	0	eP	50 48.0				eS	37.8	9	6	6	5.2	4.8	3.0	eX	12.2
	TKSM	0	eP	50 51.0													
	SIG	0	eP	50 58.3	(+)	(−)	(+)	S	1 7.3	5	5	2	3.0	2.0	2.6		
	TYOK	0	X	51 25.4						13	9		1.2	1.2		X	52.4
	OSK	0	eX	52 09.8						44	34	13	4.5	4.6	2.7		
26	NGY	0	eP	05 01 38.7	+1			S	54.5	53	52	19	1.2	1.2	1.2		
	HKN	0	eP	01 45.0				eS	1 7.7	37	27	10	1.3	1.3	1.5		
	KYT	0	eP	01 50.7				eS	1 6.1	6	7	4	1.6	1.2	2.8		
	OWS	0	eP	01 53.0	(−)	(+)	(+)			6	6	3	3.4	1.6	2.0		
	NR	0	eP	01 53.3													
	OSK	0	eP	01 55.6						47	54	21	2.2	4.4	2.2		
	TYOK	0	P	01 57.9				S	1 3.1	23	19	9	1.2	1.2	2.0		
	SMT	0	P	02 02.4			(−)	eS	1 31.9	5	4	4	3.4	2.6	2.6	eX	18.4
	WKYM	0	eX	02 13.6						12	8		1.3	1.0			
26	MRTM	0	iP	09 47 39.9	−2	−1	−4	iS	9.7	5	5	4	0.3	0.6	0.4		
26	NGY	0	eP	12 33 06.6				S	23.0	16	15	7	1.2	1.2	1.2		
	TYOK	0	P	33 07.2				S	1 3.1	11	7		1.0	1.2			
	HKN	0	eP	33 34.8				S	27.5	18	12	7	1.0	1.2	1.4		
	OSK	0	eP	33 40.0						10	11	5	4.5	4.3	1.8		

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
6	SMZ	0	eP	19 53 49.0						17	10	10	14.7	11.0	10.3	eX	3 42.4	
	HMD	0	eP	53 56.9				eS	3 7.0	17	15	15	14.8	12.0	12.8	eX	4 37.0	
	MTYM	0	eP	54 00.0				eS	2 57.0	23	23	20	14.2	12.5	16.0			
	HRSM	0	eP	54 00.−			−1	eS	2 56.−	16	19	10	18.2	16.4	17.7			
	OKYM	0	eP	54 02.−				eS	3 36.−	7	13	10	10.−	8.−	10.−			
	MRTM	0	eP	54 03.0	(+)	(+)	(+)	S	3 16.4	17	22	15	11.0	12.0	12.2	eX	8 21.0	
	SMT	0	P	54 14.8		(+)	(+)	eS	3 26.2	19	15	17	10.0	12.5	13.0	iX	7 19.2	
	WKYM	0	P	54 17.0				S	3 20.7	20	8		13.0	12.5				
	SMSK	0	eP	54 18.8			(−)	eS	3 20.5	19	19	4	13.7	9.5		eX	7 40.0	
	TKMT	0	eP	54 20.1				eS	3 5.1	19	10	12	18.5	16.8	20.8			
	OWS	0	iP	54 22.6	(+)	−1	(−)	S	3 26.2	18	24	13	9.4	5.6	6.4			
	SIG	0	eP	54 24.7	(+)	(+)	+1	eS	3 28.3	17	19	14	12.0	11.0	11.6	eX	5 1.−	
	TYOK	0	eP	54 26.0				eS	3 22.4	25	20	14	22.0	13.4	15.2			
	OSK	0	eP	54 26.3				eS	3 28.0	140	87	34	4.8	5.2	4.8	X	15.6	
	KYT	0	P	54 30.8	+2	+3	+2	eS	3 26.2	13	12	9	12.4	12.4	12.0			
	HKN	0	eP	54 36.3				eS	3 34.8	44	27	14	2.0	1.9	16.8			
	NGY	0	eP	54 39.0				S	3 27.8	30	25	13	4.2	4.6	3.2			
27	SMSK	0	eP	14 23 53.4						4	14	2	3.9	5.6		eX	4 0.8	
	MRTM	0	iP	23 54.9	(−)		(−)	iS	4 3.7	5	10	5	8.0	6.0	4.0			
	OSK	0	eP	24 07.4				S	4 13.5	37	45	8	4.6	5.4	5.2			
	HKN	0	eP	24 09.7				eS	4 19.5	8	7	3	1.6	1.8	2.4			
	SIG	0	eX	24 23.1						5	2	3	1.8	2.0	2.8			
27	MRTM	0	iP	19 59 32.3	(+)	(+)	+1	eS	3 59.7	5	5		8.0	6.4				
	OSK	0	eP	59 42.−				eS	4 15.−	23	25	6	4.9	5.0	2.8			
28	KYT	0	eP	14 14 28.2				iS	1.8	11	9	1	0	0	0.5			
	NR	0	eP	14 31.1				iS	4.5									
28	OWS	0	iP	21 08 52.0	+38	−47	+120	iS	38.4	99	160	126	5.4	3.4	1.6			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha m s
28	SMSK	X	iP	08 52.1	+38 −74 +211	iS	36.4	119 129 168	4.6 4.6 1.9		
	NGY	0	iP	08 56.4	+23 −6 +68	S	43.6	700 1100 200	3.0 3.0 0.8	ScS	13 26.8
	WKYM	0	iP	08 57.8	+83 −96 +92	iS	44.0	168 164 69	1.2 1.0 3.0		
	NR	0	iP	08 58.0	+15 −15 +57			200 200 150	2.0 1.7 1.0		
	OSK	X	iP	08 58.9	+180	S	45.1	373 458 246	4.2 4.4 2.9		
	KOB	0	P	09 00.0	+37 −33 +49	eS	43.8	200 250 100	4.4 4.0 3.0		
	KYT	0	iP	09 00.0	+28 −30 +81	iS	44.4	146 109 92	3.4 3.1 1.8	ScS	13 20.6
	SMT	0	iP	09 00.0	+9 −48 +77	iS	44.9	141 100 85	4.7 5.9 4.0	ScS	13 22.5
	HKN	0	P	09 00.2	+164 −4 +60	S	44.4	35 358 157	2.0 2.8	ScS	13 22.9
	MIZR	0	iP	09 00.3	+15 −6 +13	iS	48.9				
	MRTM	0	iP	09 02.6	(+) −0 +11	iS	48.2	47 148 99	6.0 5.8 4.4	ScS	13 19.1
	TKSM	0	iP	09 03.0	+13 −55 +65	iS	40.1				
	HMJ	0	iP	09 03.2	+9 −14 +29	iS	45.5				
	TRGS	0	P	09 04.7		S	49.1				
	TKMT	0	iP	09 05.7	+16 −76	iS	51.1	178 186	1.3 1.2		
	TYOK	0	iP	09 07.4	+44 −47 +54	iS	52.6	298 183 92	3.2 1.3 4.7		
	OKYM	0	iP	09 08.2	+15 −30 +62	iS	52.9	130 185 135	3.8 3.6 4.2		
	KOCH	0	iP	09 08.6	+7 −27 +6	eS	42.5				
	TTR	0	iP	09 11.5	+4 −6 +11	S	54.6	250 200 150	6.1 6.1 3.0		
	SMZ	0	iP	09 13.6	−2 −6 +43	S	52.7	75 123 57	5.2 5.6 5.2		
	MTYM	0	iP	09 16.2	+8 −43 +53	iS	54.2	128 415 194	4.2 5.0 5.8	ScS	13 7.0
	YNG	0	P	09 16.5	+2 −2 +4	iS	59.5				
	UWJM	0	iP	09 17.0	−12 +14	S	59.6				
	MTE	0	P	09 18.6	+2 −4 +8	S	1 1.8	127 311 134	4.2 5.4 4.2		
	HRSM	0	P	09 19.9	+4 −18 +14	iS	1 1.0	187 67 130	4.8 2.6 3.4	ScS	13 1.8
	SIG	0	iP	09 21.1	+2 −2 +2	iS	1 2.7	146 286 212	4.7 3.9 3.4		
	HMD	0	iP	09 23.9	+3 −9 +9	iS	56.8				
29	KYT	I	iP	19 29 08.5	−2 −2 +3	iS	3.4	10 17 4	0 0 1.0		
	MIZR	0	eP	29 11.8		eS	5.4				

Report of Earthquakes—
—Station without Seismograph.

International Seismological Centre

Feb. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
3	Sueno	末 野	Hyōgo	II	$10^h 21^m$	heard
7	Gobō	御 坊	Wakayama	II	04 50	
	Shōbara	庄 原	Hiroshima	I	12 06	
8	Gobō	御 坊	Wakayama	I	00 31	
9	Shōbara	庄 原	Hiroshima	I	11 18	
11	Shiraki	白 本	〃	I	16 21	
12	Saijyō	西 条	Ehime	I	16 32	
13	Gobō	御 坊	Wakayama	II	10 01	heard
13	〃	御 坊	〃	II	21 58	〃
	Mihama-chō	美浜町	〃	II	58	〃
14	Sueno	末 野	Hyōgo	III	11 31	〃
	Kaibara	柏 原	〃	III	31	
	Ayabe	綾 部	Kyōto	III	31	
	Miyama	美 山	〃	III	30	
	Mizuho	瑞 穂	〃	III	33	
	Sonobe	園 部	〃	III	32	heard
	Mineyama	峯 山	〃	III	32	
	Kameoka	亀 岡	〃	III	32	
	Ine	伊 根	〃	II	32	
	Kasumi	香 住	Hyōgo	II	31	
	Arino	有 野	〃	II	31	
	Izushi	出 石	〃	II	32	
	Akashi	明 石	Hyōgo	II	34	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
14	Tsuburo	津風呂	Nara	II	11^h32^m	
	Yuhi	油日	Shiga	I	31	
	Yata	治田	〃	I	31	
	Kitakomatsu	北木松	〃	I	31	
	Shigaraki	信楽	〃	I	32	
14	Ine	伊根	Kyōto	II	17 50	
15	Kake	加計	Hiroshima	I	16 14	
17	Gobō	御坊	Wakayama	II	00 11	
	Shirahama	白浜	〃	I	11	heard
	Inamibara	印南原	〃	I	10	
18	Gobō	御坊	〃	II	01 26	
	Shirahama	白浜	〃	I	26	
	Ayabe	綾部	Kyōto	II	16 10	
19	Gobō	御坊	Wakayama	I	18 45	
19	Ayabe	綾部	Kyōto	II	22 30	
	Sonobe	園部	〃	I	30	
21	Iwamatsu	岩松	Ehime	I	10 46	
22	Gobō	御坊	Wakayama	II	12 04	heard
23	〃	御坊	〃	II	00 00	
	Wasa	和佐	〃	II	00	
	Inamibara	印南原	〃	II	01	
	Mihamachō	美浜町	〃	II	01	
	Kibi	吉備	〃	II	02	
	Hii	比井	〃	I	01	
23	Shōbara	庄原	Hiroshima	I	05 43	
23	Gobō	御坊	Wakayama	II	20 43	
23	〃	〃	〃	I	22 49	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
23	Kawanabe-chō	川辺町	Wakayama	I	22^h51^m	
	Mihama-chō	美浜町	〃	I	48	heard
	Shirahama	白浜	〃	I	52	
24	〃	〃	〃	I	18 12	
24	Gobō	御坊	〃	III	20 47	heard
	Kiyokawa	清川	〃	III	47	
	Kibi	吉備	〃	III	47	
	Ryūjin	竜神	〃	II	46	heard
	Hii	比井	〃	II	47	
	Kawanabe-chō	川辺町	〃	II	47	
	Shirahama	白浜	〃	II	47	
	Yahata	八幡	〃	II	48	
	Kōjindake	荒神岳	Nara	I	47	
	Futatsuno	二津野	〃	I	47	
	Dorogawa	洞川	〃	I	47	
28	Gobō	御坊	Wakayama	I	20 00	
28	Sakai	境	Tottori	I	21 08	
29	Gobō	御坊	Wakayama	II	09 20	
	Kibi	吉備	〃	I	23	

International
Seismological
Centre

大 阪 管 区

地 震 月 報

昭和43年3/4月

THE MONTHLY REPORT OF EARTHQUAKES

March
April 1968

大 阪 管 区 気 象 台
The Osaka
District Meteorological Observatory
Japan

International Seismological Centre

観測所一覧表(1) List of Station(1)

Station		Abbreviation	Seismo-graph	Lat. (N)	Long. (E)	Height (m)
浜　田	Hamada	HMD	Vi,Op,S	34°54′	132°04′	19.6
彦　根	Hikone	HKN	W,S	35 16	136 15	88.8
姫　路	Himeji	HMJ	P,S	34 50	134 40	37.8
広　島	Hiroshima	HRSM	W,S	34 22	132 26	29.7
神　戸	Kōbe	KOB	P,S	34 41	135 11	58.8
高　知	Kōchi	KOCH	P,S	33 33	133 32	2.
京　都	Kyōto	KYT	Vi,Op,S	35 01	135 44	42.6
舞　鶴	Maizuru	MIZR	P,S	35 28	135 23	31.2
松　江	Matsue	MTE	P,S	35 27	133 04	18.7
松　山	Matsuyama	MTYM	W,S	33 50	132 47	32.4
室戸岬	Murotomisaki	MRTM	Vi,Op,S	33 15	134 11	185.9
奈　良	Nara	NR	P,S	34 41	135 50	105.0
岡　山	Okayama	OKYM	Vi,Op,S	34 41	133 55	3.8
大　阪	Ōsaka	OSK	Vi,S	34 39	135 32	5.1
西　郷	Saigō	SIG	Vi,Op,S	36 12	133 20	28.3
清　水	Shmizu	SMZ	Vi,S	32 43	133 01	30.2
潮　岬	Shionomisaki	SMSK	W,S	33 27	135 46	74.3
洲　本	Sumoto	SMT	Vi,Op,S	34 20	134 54	109.6
高　松	Takamatsu	TKMT	W,S	34 19	134 03	9.6
徳　島	Tokushima	TKSM	P,S	34 04	134 35	1.8
鳥　取	Tottori	TTR	P,S	35 31	134 11	17.7
豊　岡	Toyooka	TYOK	W,S	35 32	134 50	4.2
剣　山	Tsurugisan	TRGS	P_H,S	34 03	134 10	56.1
宇和島	Uwajima	UWJM	P_H,S	33 14	132 33	43.4
和歌山	Wakayama	WKYM	W,S,I	34 14	135 10	14.3
米　子	Yonago	YNG	P,S	35 26	133 21	7.1
亀　山	Kameyama	KMYM	W,S	34 51	136 28	69.2
名古屋	Nagoya	NGY	Vi,Op,S	35 10	136 58	55.7
尾　鷲	Owashi	OWS	Vi,Op,S	34 04	136 12	16.1

Number of earthquakes

Mar. 1968

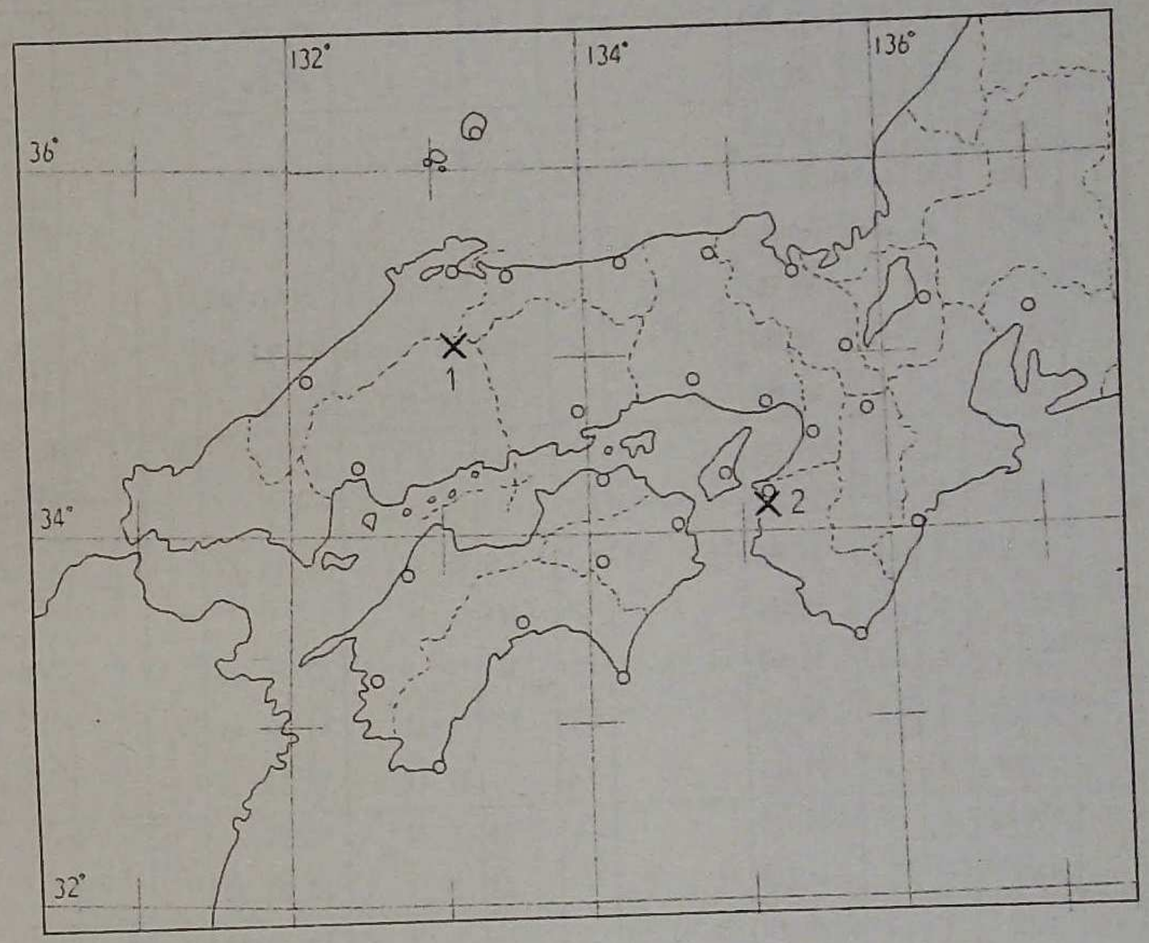
Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	16	—	—	—	—	—	—	—	16
Himeji	3	—	—	—	—	—	—	—	3
Kōbe	8	1	—	—	—	—	—	—	9
Kyōto	11	—	—	—	—	—	—	—	11
Maizuru	3	—	—	—	—	—	—	—	3
Nara	8	1	—	—	—	—	—	—	9
Ōsaka	23	1	—	—	—	—	—	—	24
Shionomisaki	7	—	—	—	—	—	—	—	7
Sumoto	11	1	1	—	—	—	—	—	13
Toyooka	15	—	—	—	—	—	—	—	15
Wakayama	12	9	2	—	1	—	—	—	24
Chūgoku District									
Hamada	4	1	—	—	—	—	—	—	5
Hiroshima	6	1	—	—	—	—	—	—	7
Matsue	4	1	—	—	—	—	—	—	5
Okayama	13	—	—	—	—	—	—	—	13
Saigō	2	—	—	—	—	—	—	—	2*1
Tottori	5	—	—	—	—	—	—	—	5
Yonago	4	2	—	—	—	—	—	—	6
Shikoku District									
Kōchi	5	—	—	—	—	—	—	—	5
Matsuyama	7	—	—	—	—	—	—	—	7
Murotomisaki	10	—	—	—	—	—	—	—	10
Shimizu	7	—	—	—	—	—	—	—	7
Takamatsu	11	—	—	—	—	—	—	—	11
Tokushima	7	1	—	—	—	—	—	—	8
Tsurugisan	2	1	—	—	—	—	—	—	3
Uwajima	5	2	—	—	—	—	—	—	7

* no observation (Mar. 11～)

International Seismological Centre

Epicenter of the major felt earthquakes, in west Honshū and Shikoku.

Mar. 1968



No.	Date	Origin time (J.S.T.)	Epicenter				Max. S.I.
			Location	Lat.	Long.	Depth	
1	25	$10^h 38^m$	広島県北東部 NE of Hiroshima pref.	35°.05′ N	133°.08′ N	0 Km	III
2	30	04 04	和歌山付近 Near Wakayama	34.10	135.10	0	IV

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
1	OSK	0	iX	00 51 22.7						10	16	11	4.0	2.7	2.6			
1	NGY	0	eP	01 01 42.0	−1		−1	S	20.0	8	5	2	0.8	0.8	1.0			
	HKN	0	eS	02 17.7						10	4	2	0.9	0.9	1.6			
1	MIZR	0	P	13 12 31.9				iS	3.0									
2	YNG	X	iP	10 45 40.3				iS	3.2									鳥取，島根県境 Tottori-Shimane border
	MTE	0	eP	45 41.0				iS	2.6									
	OKYM	0	P	45 53.2		(−)		iS	11.2	21	17	3	0.4	0.4	0.4			
	TKMT	0	eP	46 01.1				iS	15.0	8	6	4	6.1	4.1	4.2			35°18′ 133°13′ 10 Km
	TYOK	0	S	46 19.5						18	12		1.2	1.2				
2	MTE	I	P	10 50 32.4	−2	+1	−4	iS	2.5									
	YNG	I	iP	50 32.6	+9	+9	+11	iS	2.6									鳥取，島根県境 Tottori-Shimane border
	OKYM	0	iP	50 44.5	(+)	(−)	(−)	iS	11.3	25	20	5	0.4	0.4	0.4			
	TTR	0	eP	50 45.0				eS	10.8									
	SIG	0	iP	50 45.2	+2	(+)	+2	iS	12.4	5	3	2	0.6	0.4	0.6			35°10′ 133°10′ 10 Km
	TKMT	0	eP	50 51.5				iS	16.0	9	11	5	6.1	4.0	4.1			
	TYOK	0	iS	51 11.7						23	19		1.0	1.0				
2	WKYM	0	P	19 16 12.2				iS	0.9	18	32		0.1	0.1				
	SMT	0	P	16 12.3	(−)		(−)	S	4.8	7	4	1	0.3	0.3	0.3			
4	SMZ	0	iP	08 01 33.0	+2	+1	+3			4	6	6	3.2	4.0	4.0	Xz	2 24.8	
	MRTM	0	eP	01 39.1							5			5.0		eX	4 42.9	Northern Celebes
	HRSM	0	P	01 42.8	+2	+1	+1	eS	4 51.2	2	9	4	2.9	4.0	2.0			
	SMSK	0	P	01 44.6			+2	eS	4 49.2	3	6	3	4.5	7.5		eX	7 39.4	
	SMT	0	iP	01 48.0	(+)	(+)	(−)	S	4 55.0	4	5	5	4.4	4.4	2.4	PP	1 27.0	1°36′ 122°36′ 435 Km
	OSK	0	P	01 53.3			+7			29	36	8	4.7	4.9	3.2			
	HKN	0	S	02 00.5						11	7	4	1.1	2.1	2.2			
	NGY	0	eP	02 01.6						5	10	6	3.0	3.6	1.0			
4	HMD	I	eP	09 06 03.7				iS	35	14	11	3	0.2	0.2	0.2			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
5	WKYM	0	iP	04 40 41.4				iS	1.8	14	17		0.2	0.2				
	SMT	0	P	40 42.6	(−)		(+)	S	2.4	6	3	2	0.5	0.3	0.5			
6	WKYM	0	P	02 02 56.8				iS	1.0	18	7		0.1	0.1				
6	NGY	0	eP	09 13 16.6			+1	S	37.4	75	82	42	2.0	2.0	1.4			
	HKN	0	eP	13 22.3						56	65	26	1.4	1.4	1.7			茨城県南西部
	OWS	0	iP	13 29.0	(+)	(+)	(−)	iS	50.2	7	5		1.6	2.8				
	NR	0	eP	13 30.2						100	50	50	2.0	1.7	1.0			
	KYT	0	eP	13 30.3				eS	42.7	21	15	9	1.6	1.2	2.2			SW of Ibaragi pref.
	KOB	0	eX	13 33.−														
	SMT	0	eP	13 42.4				eS	53.9	5	2	6	1.6	2.4	3.4			
	OSK	0	eP	13 43.3				S	50.9	113	72	48	2.4	2.0	2.2	iX	6.5	
	TKSM	0	eP	13 48.0				eS	59.2									36°03′ 139°55′ 50 Km
	OKYM	0	eP	13 48.−			(−)	S	1 5.−	6	3	5	1.4	3.6	2.0			
	TYOK	0	eP	13 49.5				eS	51.2	69	60	10	0.9	1.1	1.0			
	WKYM	0	P	13 51.2				S	53.5	37	13		1.3	1.3				
	SIG	0	P	13 53.0	+1	+1	−1			5	4	3	2.2	2.8	3.0			
	MRTM	0	eP	14 04.0						6			3.6			eX	1 11.0	
7	NGY	0	eP	11 55 26.6	+1	+3	−1	S	31.4	41	50	22	1.2	1.2	1.2			
	HKN	0	eP	55 32.1						40	42		1.0	1.1				千葉県中部
	KYT	0	eP	55 38.3				eS	41.7	7	10	5	1.4	1.4	1.4			
	NR	0	eP	55 38.5														Middle of Chiba pref.
	OSK	0	eP	55 49.5				S	52.5	52	43	18	2.5	3.2	1.8			
	KOB	0	eX	55 53.0														35°32′ 140°08′ 50 Km
	TYOK	0	eP	55 53.5				S	54.3	26	43	10	1.1	1.5	0.6			
	WKYM	0	eX	55 56.9						8	6		0.7	0.7				
7	OSK	0	eP	22 30 32.−						7	9		4.0	3.4				
8	NR	0	eP	22 45 10.9				iS	2.0									

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
9	TYOK	0	X	02 18 59.9						9	5		1.2	1.2				
10	HKN	0	eP	22 01 29.8				S	9.9	10	8	4	0.4	0.4	0.2			福井県 東部
	NGY	0	eP	01 30.9	(+)		(+)	eS	20.7	8	5	3	2.2	2.2	1.8			E of Fukui pref.
	KYT	0	eP	01 38.0				S	18.4	5	6	2	0.	0	0.6			36°00′
	TYOK	0	eP	01 44.6				S	21.0	19	13	7	1.2	1.1	0.7			136°44′
	OSK	0	X	02 07.8						11	10	4	2.9	3.4	2.9			10 Km
11	WKYM	I	P	15 39 31.0				S	1.2	20	40		0.1	0.1				
12	KOCH	0	iP	02 30 16.7	−11	+6	+6	iS	2.8									高知県
	TKMT	0	eP	30 25.9				iS	7.3	5	10	5	0.8	0.8	0.8			—
	MRTM	0	P	30 26.2				iS	10.0	11	10		0.6	0.5				Kochi pref.
	OKYM	0	iP	30 29.5	+1	(+)	(+)	iS	12.1	11	10	2	0.3	0.3	0.3			33°46′
	HRSM	0	eP	30 33.6		(+)	+1	S	14.0	7	6	6	0.2	0.2	0.2			133°29′
	SMT	0	P	30 34.5				S	17.0	5	2	1	0.4	0.3	0.6	eX	1.6	20 Km
	TYOK	0	S	31 03.8						18	11		1.3	1.0				
12	KYT	0	eP	18 23 41.8				eS	15.4	2	6	2	1.0	0.5	0.8			岐阜県
	HKN	0	S	23 43.4						15	13	4	1.0	0.6	0.6			Gifu pref.
	TYOK	0	S	24 12.0						5	10		0.9	1.0				35°47′
13	NGY	0	eP	05 47 56.4				eS	33.2	6	4	2	1.0	1.2	1.2			136°55′
	OSK	0	eX	49 10.–						7	6		2.6	3.2				10 Km
15	WKYM	I	iP	21 12 54.4				iS	1.4	63	80		0.1	0.1				
	SMT	0	iP	12 58.0	−1	+1	−1	S	3.8	6	4	3	0.8	0.4	0.6			
	OSK	0	S	13 14.1						9	12	4	3.2	3.5	2.2			
15	UWJM	I	iS	18 36 40.5					4.3									
	MTYM	0	iS	36 47.9					8.0	8	16	3	0.6	0.7	0.4			
17	SMSK	0	iP	07 54 30.9	(−)	(+)	+3	iS	3.3	14	19	7	0.2	0.2	0.2			
18	KOB	0	eX	03 22 27.9														
18	KOB	0	eX	18 00 52.4														

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
18	KYT	0	eP	18 31 19.0				iS	0.2	5	5	3	0	0	0			
19	WKYM	I	P	12 33 22.1				iS	1.3	109	120		0.1	0.1				
	SMT	I	iP	33 23.3	−2	+1	−3	iS	4.0	30	18	8	0.3	0.4	0.6			
	TKSM	0	eP	33 28.0				eS	7.4									紀井水道
	KOB	0	eP	33 31.6				eS	10.5									
	OSK	0	P	33 33.6			+2	S	11.5	13	24		3.7	4.0				Kii
	TKMT	0	eP	33 33.7				eS	14.0	8	13	7	0.8	1.0	0.4			channel
	SMSK	0	eP	33 34.3				iS	10.9	13	8	8	0.6	0.6	0.7			
	NR	0	eP	33 34.8														34°02′
	OKYM	0	eP	33 38.0	(−)	(+)	(−)	S	13.9	10	7	2	0.5	0.5	0.5			134°59′
	MRTM	0	P	33 39.8				eS	14.6	5	5		0.4	0.4				0 Km
	TYOK	0	eP	33 47.0				S	16.8	10	19		1.1	1.0				
19	OSK	0	eX	13 21 58.–						5	5		4.8	4.8				
19	OKYM	0	P	14 01 45.–				S	13.–	5	5	1	0.3	0.5	0.5			
19	UWJM	I	iP	20 29 56.5	+6	+10		iS	5.7									伊予灘
	MTYM	0	eP	30 02.5	(+)	(+)	(+)	iS	9.0	58	51	14	0.7	0.7	0.7			Iyonada
	SMZ	0	eP	30 04.4				eS	13.7	6	9	5	0.6	0.6	0.5			33°28′
	KOCH	0	eX	30 09.2												eX	9.1	132°17′
	TKMT	0	eP	30 19.7				eS	12.4	9	7	4	1.0	1.0	0.6			40 Km
	OSK	0	eX	31 26.–						6	5		2.4	1.8				
21	NGY	0	eP	09 41 48.6	−1			S	33.4	15	24	8	1.4	2.0	1.6			
	HKN	0	eP	42 00.6						11	9	4	1.8	1.5	1.3			
	OSK	0	eX	42 27.2						33	29	13	5.0	2.7	2.5			
22	WKYM	I	P	11 27 39.1				iS	0.8	74	88		0.1	0.1				
22	OSK	0	eX	18 20 12.0						9	9	5	2.9	4.6	2.8			
23	HKN	0	eP	05 36 09.2						16	13	6	1.5	1.7	1.9	eX	1 6.1	福島県沖
	NGY	0	eP	36 09.6	−1	−1	+1	eS	58.4	29	31	12	2.8	2.6	2.8			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha m s	Remarks
	KYT	0	eP	36 12.0		eS	1 13.0	6 5 3	1.6 1.6 3.0			Off Fukushima pref. 37°27′ 142°41′ 40 Km
	OSK	0	P	36 30.3	+2	S	1 11.4	69 50 18	4.6 5.1 3.7			
	MRTM	0	eP	36 44.5		eS	1 31.5	4 5 3	5.6 6.0 6.0			
23	MRTM	0	iP	23 42 55.1	(−) (+)	iS	6.5	10 10 2	0.2 0.3 0.3			
25	UWJM	0	iP	00 59 26.2	(+)	iS	25.0	200 200 150	4.5 4.8 4.5			
	SMZ	0	P	59 27.0	−2 −4 −2	S	28.1	132 78 90	1.8 1.6 1.6			
	MTYM	0	eP	59 34.5		iS	34.3	126 103 115	5.1 4.3 5.3			
	HRSM	0	eP	59 37.5		eS	34.5	58 66 31	5.2 5.3 2.8			宮崎県
	KOCH	0	eP	59 39.3		iS	40.0					南西部
	HMD	0	P	59 41.1	−1 −1 −1	S	37.1	56 67 45	5.9 5.8 2.9			
	MRTM	0	iP	59 42.3	(−) (−) (−)	S	39.7	89 61 45	4.6 3.6 5.2			SW of
	TKMT	0	eP	59 49.8		eS	46.2	86 86 82	4.6 2.3 3.0			Miyazaki
	OKYM	0	eP	59 50.0	(−) (−) (−)	eS	42.4	48 88 106	5.0 4.0 4.8			pref.
	TKSM	0	eP	59 53.0		eS	47.7					
	YNG	0	eP	59 55.6		S	50.4					
	TRGS	0	eP	59 56.1								32°01′ 130°43′ 0 Km
	SMT	0	P	59 57.3	(−) −1	eS	50.2	87 67 58	4.8 4.8 4.6	eX	12.5	
	MTE	0	eP	01 00 02.0		eS	52.0					
	SMSK	0	eP	00 02.1		eS	56.4	30 29 8	5.2 5.4 3.6			
	TTR	0	eP	00 02.6		eS	53.9					
	KOB	0	eP	00 03.1		eS	1 16.2					
	WKYM	0	P	00 06.7		S	55.1	73 72 84	2.5 2.3 2.0			
	OSK	0	eP	00 07.1		X	1 10.9	277 311 160	5.1 4.4 3.0	iX	17.4	
	OWS	0	iP	00 08.0	(−) (−) (−)	iS	1 17.8	3 2 2	6.0 4.4 5.2			
	HMJ	0	eP	00 10.7		eS	52.0					
	KYT	0	eP	00 10.7		eS	1 2.7	77 25 19	4.0 4.6 6.0			
	TYOK	0	eP	00 11.2				120 114	1.2 4.8			

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	NR	0	eP	00 11.8				50 50	2.0 2.0			
	MIZR	0	eP	00 14.2		eS	2 2.1					
	HKN	0	eP	00 19.1				68 71 21	1.9 1.9 4.3			
	NGY	0	P	00 25.8	+2 +6 +4	eS	1 17.8	65 64 19	3.2 3.0 2.2	X	1 39.4	
25	SMZ	0	eP	01 20 13.8		S	26.2	8 5 5	1.7 1.2 1.6			宮崎県 南西部 SW of Miyazaki pref. 31°59′ 130°46′ 20 Km
	MTYM	0	eP	20 17.3		eS	30.7	9 9 3	0.8 0.6 0.8			
	TKMT	0	eP	20 35.8		eS	45.9	6 6 2	1.2 1.0 2.4			
	TRGS	0	eP	20 40.1								
25	TYOK	0	eP	01 21 19.2				60 87	1.2 1.2			
	UWJM	0	eP	21 36.4		S	24.6					
	MTE	0	eP	21 38.3		eS	48.5					宮崎県
	SMZ	0	P	21 38.8	−2 −5 −5	iS	25.1	88 33 41	2.0 2.2 1.9			南西部
	TKSM	0	eP	21 43.6		eS	47.8					
	MTYM	0	eP	21 44.3		iS	31.5	67 63 36	1.5 4.5 4.2			SW of Miyazaki pref.
	HRSM	0	eP	21 49.9		eS	34.5	28 30 35	2.6 2.6 1.6			
	KOCH	0	eP	21 51.4		iS	39.2					
	WKYM	0	P	21 52.5		S	56.1	44 22 14	2.8 2.2 2.0			
	HMD	0	P	21 53.0	−3 −2 −3	S	34.2	24 42 19	3.2 2.6 2.6			31°59′ 130°44′ 10 Km
	KOB	0	eX	21 57.2		eS	1 30.0					
	MRTM	0	eP	22 01.0		eS	40.0	33 22 13	3.0 3.0 2.2			
	TKMT	0	eP	22 01.5		eS	50.5	38 34 19	1.2 1.2 1.6			
	OKYM	0	eP	22 02.−		eS	41.−	20 24 27	4.− 4.8 4.6			
	SMSK	0	eP	22 09.4		eS	55.5	11 16 4	6.7 5.2 1.9			
	NR	0	eP	22 12.2								
	SMT	0	P	22 12.5	(−)	eS	49.9	33 24 20	2.6 4.4 3.6			
	YNG	0	eS	22 13.0								
	OWS	0	eP	22 14.6	(+) (+)	iS	1 10.4	10 9 7	4.0 4.8 5.0			

Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)	Pha.	p~Pha	Max. Amplitude Amp. (μ)	Max. Amplitude Period(sec)	Pha.	p~Pha	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
	TTR	0	eP	22 14.8		eS	1 13.8					
	KYT	0	eP	22 17.5		eS	1 1.3	11 10 6	1.8 2.4 3.6			
	OSK	0	eX	22 18.9		X	1 14.4	198 239 65	4.5 4.4 2.7	iX	14.5	
	HMJ	0	eP	22 21.8		eS	56.4					
	HKN	0	eP	22 25.8				25 39 10	1.7 1.9 2.8	eX	1 8.2	
	NGY	0	eP	22 35.4	+1 (+) +1	eS	1 18.6	25 25 12	3.0 2.8 2.2	X	1 40.2	
25	YNG	I	iP	10 38 25.3	+7 (+) +7	iS	5.1					
	MTE	I	iP	38 25.7	+11 −8 +17	iS	5.0					広島県
	OKYM	0	iP	38 32.8	+1 −1 −1	iS	10.0	35 27 7	0.5 0.5 0.5			北東
	HMD	0	P	38 35.0	−1 +1	S	11.6	19 11 5	0.1 0.1 0.1			
	TTR	0	P	38 36.0		S	12.8					NE of
	HRSM	X	eP	38 36.3		iS	12.1	8 13 9	0.5 0.5 0.9			Hiroshi
	TKMT	0	eP	38 37.6		iS	15.4	37 29 15	1.0 1.0 0.6			pref.
	MTYM	0	eP	38 42.0		eS	18.7	13 19 7	0.8 0.7 0.6			
	TYOK	0	P	38 44.9		S	19.7	75 29 14	1.1 1.0 0.7			35°05′
	TKSM	0	eP	38 46.5		eS	20.5					133°08′
	SMT	0	eP	38 47.0		S	21.9	8 5 2	1.6 1.8 1.0			0 Km
	MRTM	0	eP	38 53.0		S	31.4	5	4.0			
	HKN	0	eP	39 05.9		eS	37.8	9 6 3	1.0 1.0 0.8			
	OSK	0	X	39 22.4				12 11 8	3.8 4.0 2.4			
25	OKYM	0	P	10 50 12.0		iS	10.3	12 14 3	0.5 0.5 0.5			
25	WKYM	0	P	17 07 00.5		iS	0.2	19 60	0.1 0.1			
25	TYOK	0	P	23 01 43.6				11	1.2			
26	OSK	0	eX	09 51 51.–				13 17	4.2 5.2			
26	HKN	0	eX	09 55 35.0				8 6 3	1.5 1.5 1.6			
26	OSK	0	X	19 43 19.8				7 6	5.2 4.5			
27	SMZ	0	eX	04 46 24.6				5 2 5	2.5 1.8 1.8			

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Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)	Pha.	p~Pha	Max. Amplitude Amp. (μ)	Max. Amplitude Period(sec)	Pha.	p~Pha	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
	OSK	0	eP	46 45.5				7 10 3	4.5 4.6 2.0			
27	NGY	0	eP	10 55 52.6	+1 −1 −1	S	1.6	12 15 9	0.1 0.1 0.1			
28	OSK	0	eX	03 55 10.–				8 7 4	3.4 3.0 2.8			
28	OSK	0	eX	07 44 30.–				6 5	3.9 4.9			
28	OSK	0	eX	15 53 31.–				6 6	2.8 2.8			
29	WKYM	II	iP	06 26 48.8		iS	0.4	73 234	0.1 0.1			
29	WKYM	I	P	23 28 30.6		iS	1.2	27 14	0.1 0.1			
30	WKYM	IV	iP	04 04 32.8				1139	0.1			
	SMT	II	iP	04 36.5	−51 +58 −65	S	4.2	181 225 145	3.2 2.8 4.4			
	TKSM	II	iP	04 41.8	+26 +48 −28	iS	7.7					和歌山
	KOB	I	P	04 42.0	+2 +4	iS	6.8	100 50 100	3.3 3.3 3.3			付近
	OSK	I	iP	04 42.7	+4	S	7.1	350 357 292	4.1 4.1 3.6			
	HMJ	0	iP	04 46.6	−5 +2 −4	iS	10.2					Near
	NR	I	eP	04 46.8	−3 −4	iS	9.2	100	2.0			Wakayama
	SMSK	X	iP	04 48.6	+3 −1 −3	iS	12.1	133 186 145	1.5 3.8 1.4			
	OWS	I	eP	04 48.6		iS	10.8	85 85 70	— 0.7 0.8			34°10′
	TKMT	0	iP	04 48.7	−1 +16	iS	14.8	22 26	1.0 1.0			135°10′
	KYT	0	iP	04 49.6	(+) (+) (+)	iS	13.4	32 30 12	1.0 1.2 1.0			0 Km
	OKYM	0	iP	04 52.6	−4 +9 −5	iS	17.0	107 115 67	0.5 0.5 0.5			
	KOCH	0	iP	04 53.8	−2 −2	iS	24.2					
	MRTM	0	iP	04 55.2	−1 −1 (+)	iS	17.7	111 84 38	1.0 0.6 0.5			
	TRGS	I	iP	04 55.8								
	TYOK	0	P	04 56.8	−5 −3	eS	18.3	235 179 28	1.1 1.1 0.9			
	MIZR	0	eP	04 56.8		eS	16.0					
	HKN	0	eP	04 57.9		S	17.1	106 82 27	0.9 0.9 0.6			
	TTR	0	P	05 00.1		S	20.5					
	NGY	0	P	05 05.2	+1 +2 +2	S	23.2	48 49 16	3.6 3.0 1.4			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
	YNG	0	iP	05 06.6	+2	−2	+2	S	26.1									
	MTYM	0	eP	05 08.9				iS	26.7	70	60	40	1.0	0.8	4.3			
	MTE	0	eP	05 10.0				S	26.2									
	HRSM	0	eP	05 11.7				eS	30.5	15	26	21	3.0	4.0	1.2			
	HMD	0	P	05 16.3		−2	+1	S	32.4	10	10	12	3.2	5.2	4.6			
	UWJM	0	eP	05 16.7				S	31.7									
	SMZ	0	eP	05 19.8				eS	26.2	21	13	7	1.6	1.5	1.4			
30	WKYM	I	iP	04 05 26.8								182			0.1			
	SMT	0	eP	05 33.2				eS	3.4	18	18	4	0.2	0.2	0.3			
30	WKYM	I	iP	04 09 39.7								182			0.1			
	SMT	0	iP	09 45.5	−1	+2	−3	S	3.8	18	9	5	0.3	0.2	0.5			和歌山 付近
	KOB	0	P	09 50.6			+4	iS	6.8									
	TKSM	0	eP	09 51.5				S	7.2									
	NR	0	eP	09 54.7				iS	9.7									Near Wakayama
	OWS	0	iP	09 57.4	(+)		(+)	eS	11.2	10			0					
	SMSK	0	eP	09 57.7				eS	12.4	6	11	6	—	0.4	1.0			
	TKMT	0	eP	09 58.3				eS	16.7	8	8		1.0	1.0				34°10′ 135°11′ 0 Km
	OKYM	0	iP	10 01.1	(−)	(+)		S	15.5	6	9	2	0.5	0.5	0.5			
	TYOK	0	X	10 23.2						11	11		1.4	1.5				
	HKN	0	eX	10 24.4						7	6	2	0.6	0.7	0.3			
30	WKYM	0	iP	04 54 57.7				iS	0.3		20			0.1				
30	KYT	0	eP	05 05 43.5				eS	16.5	3	6	2	1.2	0	0.6			
	HKN	0	P	05 ~						9	8	4	0.7	0.7	0.8			
30	WKYM	0	P	05 10 00.0				iS	0.9		8			0.1				
30	WKYM	0	P	05 31 26.0				iS	0.6		18			0.1				
30	KYT	0	eP	05 41 49.5				iS	22.5	6	5	2	1.6	1.2	1.4			
	HKN	0	S	41 57.8						10	9	4	0.5	0.5	0.7			

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
30	WKYM	0	P	05 50 11.2				iS	0.8		20			0.1				
30	WKYM	II	iP	10 12 59.5								278			0.1			和歌山 付近
	TKSM	0	eP	13 09.1				eS	7.2									
	NR	0	eP	13 13.2				iS	9.1									Near Wakayama
	OKYM	0	S	13 35.4						5	6	1	0.5	0.5	0.5			
30	WKYM	I	P	18 12 21.5				iS	0.4	13	34		0.1	0.1				
30	WKYM	I	P	20 37 17.1				iS	0.3	5	20		0.1	0.1				

Report of Earthquakes—

—Station without Seismograph.

Mar. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
1	Miyama	美山	Kyōto	I	12^h12^m	
2	Sakai	境	Tottori	I	10 50	
	Hōshōji	法勝寺	〃	I	50	
	Yahata	八幡	Wakayama	II	19 16	heard
	Kibi	吉備	〃	II	16	
4	Kake	加計	Hiroshima	I	09 07	
12	Gobō	御坊	Wakayama	II	22 19	
15	Kibi	吉備	〃	III	21 13	
18	Kawakami	川上	Nara	I	23 50	
19	Kibi	吉備	Wakayama	I	12 33	
20	Yahata	八幡	〃	II	23 24	
25	Hiwa	比和	Hiroshima	IV	10 25	
25	Shōbara	庄原	〃	III	10 37	
	Chiyoda	千代田	〃	III	37	
	Hinokami	日野上	Tottori	III	38	
	Hōshōji	法勝寺	〃	II	37	
	Hiwa	比和	Hiroshima	II	38	
	Kake	加計	〃	II	38	
	Funo	布野	〃	II	39	heard
	Takano	高野	〃	II	39	
	Shiraki	白木	〃	I	40	
	Sakai	境	Tottori	II	38	
	Neu	根雨	〃	II	40	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
25	Shōbara	庄原	Hiroshima	I	25^h50^m	
	Kake	加計	〃	I	51	
30	Higashinogami	東野上	Wakayama	IV	04 04	
	Gobō	御坊	〃	IV	04	
	Yahata	八幡	〃	III	04	
	Kibi	吉備	〃	III	05	
	Kurisugawa	栗栖川	〃	III	04	
	Ryūjin	竜神	〃	II	05	heard
	Kōjin-dake	荒神岳	Nara	II	04	
	Gojyō	五条	Nara	II	04 04	heard
	Ōtori	鳳	Ōsaka	II	05	
	Tondabayashi	富田林	〃	II	05	
	Akashi	明石	Hyōgo	I	04	
	Shinjyō	新庄	Nara	I	04	
	Kawakami	川上	〃	I	04	
	Kazaya	風屋	〃	I	04	
	Kawakami	川上	〃	I	04	
	Shirahama	白浜	Wakayama	I	04	
	None	野根	Kōchi	I	05	
	Kami-yanase	上魚梁瀬	〃	I	05	
30	Ōtori	鳳	Ōsaka	II	04 09	
	Tondabayashi	富田林	〃	I	04 10	
	Ōtori	鳳	〃	I	10	
	〃	〃	〃	I	10	
30	Higashinogami	東野上	Wakayama	I	10 13	
30	Ōtori	鳳	Ōsaka	I	10 25	

International Seismological Centre

Number of earthquakes

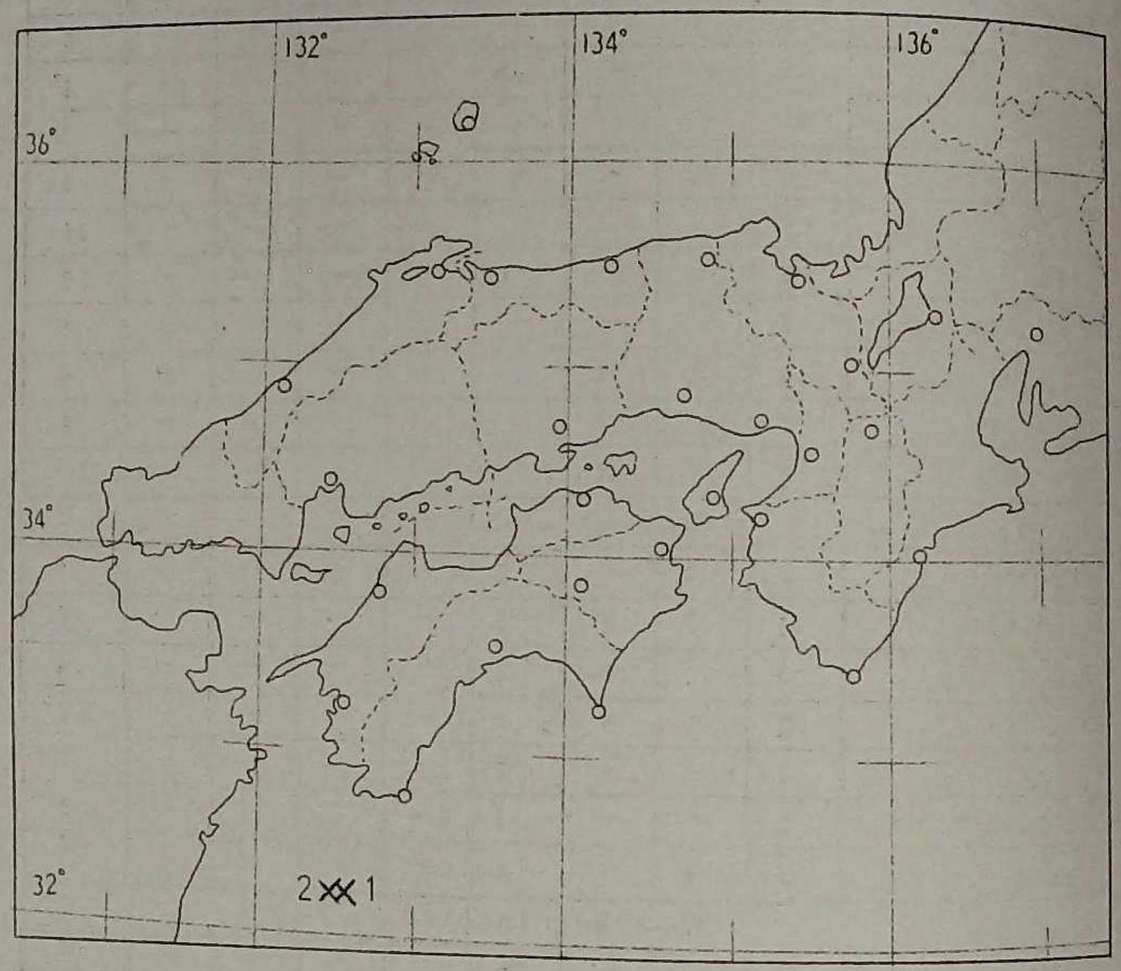
Apr. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	16	—	1	—	—	—	—	—	17
Himeji	1	1	—	—	—	—	—	—	2
Kōbe	4	—	—	1	—	—	—	—	5
Kyōto	*	*	*	*	*	*	*	*	1*1
Maizuru	1	—	1	—	—	—	—	—	2
Nara	4	1	1	—	—	—	—	—	6
Ōsaka	16	—	—	1	—	—	—	—	17
Shionomisaki	7	—	—	—	—	—	—	—	7
Sumoto	6	1	1	—	—	—	—	—	8
Toyooka	7	—	1	—	1	—	—	—	9
Wakayama	5	7	2	—	—	—	—	—	14
Chūgoku District									
Hamada	5	1	—	1	—	—	—	—	7
Hiroshima	4	1	—	1	—	—	—	—	6
Matsue	2	1	—	1	—	—	—	—	4
Okayama	12	1	—	1	—	—	—	—	14
Saigō	1	—	—	1	—	—	—	—	2*2
Tottori	1	—	—	1	—	—	—	—	2
Yonago	1	1	—	1	—	—	—	—	3
Shikoku District									
Kōchi	4	2	—	—	1	—	—	—	7
Matsuyama	4	1	1	—	1	—	—	—	7
Murotomisaki	14	—	—	1	—	—	—	—	15
Shimizu	18	2	1	2	1	—	—	—	24
Takamatsu	7	1	—	1	—	—	—	—	9
Tokushima	4	1	—	1	—	—	—	—	6
Tsurugisan	1	1	—	1	—	—	—	—	3
Uwajima	1	2	—	1	1	—	—	—	5

*1 no observation.
*2 〃 (Mar. 11～Apr. 11)

Epicenter of the major felt earthquakes, in west Honshū and Shikoku.

Apr. 1968



No.	Date	Origin time (J.S.T.)	Epicenter				Max. S.I.
			Location	Lat.	Long.	Depth	
1	1	09^h42^m	日向灘 E off Kyūshū	32°17′N	132°32′N	30 Km	
2	1	16 13	〃 〃	32. 18	132. 23	0	

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
1	SMZ	IV	iP	09 42 16.3	−135	−168	−233	S	6.6	295	37.9	18.1	1.9	2.4	1.9			
	UWJM	IV	P	42 18.2	+2			S	11.−	13	16	13.5	8.3	7.6	5.1			
	KOCH	IV	iP	42 28.4	(−)		−2	iS	18.1	17.9	19.2	7.9	3.7	4.1	1.9			日向灘
	MTYM	IV	iP	42 28.8	+109	+28	+92	iS	19.2	7.8	10.8	4.4	4.0	4.0	4.0			
	MRTM	III	iP	42 30.4	−2	−2	−1	eS	24.4	18.5	8.5	3.2	11.1	6.5	5.2			Hyuga-
	HRSM	III	P	42 35.3	+95	+3	+77	eS	23.3	4.5	9.45	3.85	6.7	6.7	4.2			nada
	TKMT	III	P	42 40.6	+4	+6	+2	S	40.2	9	11.5	2.6	9.3	10.0	10.0			
	TKSM	III	eP	42 43.2				iS	31.7	8.2	9.3	5.75	1.4	1.4	1.2			32°17′
	HMD	III	iP	42 43.6	+62	−7	+54	S	35.4	4.3	5.9	3.9	9.9	5.6	13.2			132°32′
	OKYM	III	eP	42 43.8	+5	+5	+7	S	40.4	6.8	8.5	2	12.8	9.6	12.8			30 Km
	TRGS	III	P	42 46.5				S	30.0	0.94	2.98	1.45	3.1	3.5	3.5			
	SMT	II	P	42 47.6	−4	−3	−3	eS	40.4	9.4	7.8	3.7	10.−	5.8	3.8			
	SMSK	0	iP	42 49.1	−9	−17	−6	eS	36.1	9.3	5.6	4	14.3	11.5	14.8			
	WKYM	II	P	42 51.3				iS	37.6	6.6	5.25	5.7	2.6	2.4	2.7			
	YNG	III	eP	42 52.0	(+)	(+)	(+)	S	39.2	3.8	10.8	2.4	1.5	2.2	2.2			
	HMJ	I	iP	42 54.5				iS	39.8	5	2.5	2.5	4.0	5.0	4.0			
	OSK	III	P	42 55.6	(−)	(−)	(−)			20.4	20.3	6	6.4	5.8	2.7	iX	5.8	
	OWS	0	iP	42 56.0	(−)	(−)	−1	iS	42.8	μ 410	420	370	8.0	7.0	6.0			
	KOB	III	eP	42 56.9				iS	37.6	7.5	5.9	2.9	5.3	6.6	3.6			
	TYOK	IV	eP	43 00.4						14.3	7.1	2.2	1.4	1.1	5.2			
	NR	II	eP	43 00.7				eS	49.8	5.5	3.5	1.75	8.0	5.0	6.0			
	TTR	III	eP	43 01.1				eS	51.4	4	8.8	3.4	5.2	6.2	4.1			
	KYT	0	iP	43 02.4	(+)	(+)	+1	iS	43.2	5.5	4.4	1	6.1	6.0	6.3			
	MIZR	II	eP	43 04.7				iS	1 13	10.2	6.1	2.4	6.0	3.1	2.6			
	HKN	II	eP	43 10.9				S	51.7									
	NGY	0	P	43 14.4	−3	−4	−3	S	53.2	5.9	4	1.4	4.2	3.2	2.2			
	SIG	III	P	44 −														

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
1	OKYM	0	P	09 54 50.8	(+)		(+)			8	6		0.3	0.3				
1	SMZ	0	P	10 03 48.9			+2	S	6.4	119	55	37	1.0	0.6	0.6			
	OKYM	0	P	04 23.–				S	37.–	7	9	1	0.4	0.4	0.4			
1	SMZ	0	eP	10 16 52.0				eS	9.1	20	20	13	0.6	0.6	0.6			
1	SMZ	I	eP	11 29 50.4				eS	11.2	5	6	5	0.8	0.8	0.8			
1	WKYM	I	iP	14 01 37.2				iS	1.2	207	120		0.1	0.1				
1	SMZ	I	iP	14 25 21.1	+13	+16	+27	iS	4.0	261	145	93	0.6	0.6	0.6			
	MTYM	0	eP	25 37.4				iS	18.7	53	69	58	0.7	0.8	1.0			日向灘
	MRTM	0	iP	25 38.4	(–)		(–)	eS	18.2	8	14		1.0	1.2				
	KOCH	0	eX	25 38.6														Hyūga-nada
	HRSM	0	eP	25 44.7				eS	25.7	8	11	6	1.3	1.7	0.9			
	TKMT	0	eP	25 46.6				eS	31.0	22	25	10	1.0	1.2	1.0			
	TKSM	0	eP	25 51.3				eS	32.4									32°29′
	MTE	0	eP	25 53.0				S	51.0									132°44′
	OKYM	0	iP	25 55.5	–1	+1	–1	iS	31.5	15	16	4	0.6	0.6	0.5			0 Km
	HMD	0	P	25 55.8	+1		+1	S	31.8	10	14	7	1.1	1.2	1.3			
	TYOK	0	eP	26 14.5				eS	48.3	48	32	7	1.1	1.2	1.0			
	OSK	0	eP	26 20.–						11	16	6	2.6	3.1	1.8			
1	WKYM	I	P	15 19 39.8				iS	0.2	13	40		0.1	0.1				
1	SMZ	III	iP	16 13 32.8	–42	–45	–46	iS	7.0	1.3	2.2	1.7	1.7	1.4	1.4			
	UWJM	III	iP	13 35.3	+30		+26	iS	12.2	1	2.5	1.3	7.0	5.6	6.6			日向灘
	MRTM	0	iP	13 46.6	–1	–1	–1	S	22.4									Hyūga-nada
	KOCH	I	eP	13 48.0	(–)			iS	21.8	1.2	1.3	0.5	2.1	3.0	1.1			
	MTYM	II	iP	13 49.7	+28	+7	+26	iS	16.9	1.1		0.5	2.7		4.0			
	HRSM	I	P	13 52.8	+29	+2	+11	S	24.5	415	723	564	9.5	3.6	2.3			32°18′
	TKMT	I	eP	13 56.0				iS	40.3	600	750	230	1.1	1.1	6.8			132°23′
	OKYM	I	eP	14 00.2	+2	+2	+3	S	43.8	360	700	279	4.0	4.4	4.4			0 Km

International Seismological Centre

Date	Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
	HMD	I	P	14 00.2	(+)		(+)	S	32.2	302	313	260	7.5	2.0	4.5			
	TKSM	I	eP	14 01.8				iS	30.9	900	1090	207	1.4	1.4	1.4			
	SMSK	0	P	14 02.9	–8	–10	–3	eS	36.4	206	208	62	5.3	4.7	3.4			
	SMT	0	P	14 04.0	–3	–2	–2	eS	36.0	240	217	146	4.8	8.4	4.4			
	WKYM	0	P	14 06.7				iS	35.4	258	280		0.8	0.9				
	YNG	I	eP	14 08.4	(+)			eS	44.1	400	900	400	0.9	1.1	1.7			
	MTE	I	iP	14 09.3	+4	(+)	+4	iS	50.2									
	KOB	0	eP	14 09.9						400	200	220	5.8	4.4	4.4			
	TRGS	I	P	14 10.0				S	28.5									
	OSK	0	P	14 13.0	–7	–6	–3	S	49.0	1.1	1.05	335	4.6	4.4	4.6			
	TTR	X	P	14 14.4				S	52.5	500	300	400	6.0	2.0	2.0			
	OWS	0	iP	14 15.2				iS	37.8	130	78	72	6.0	7.0	5.0			
	NR	0	eP	14 17.1				eS	49.0	250	250	150	1.7	1.8	1.3			
	HMJ	0	eP	14 19.6				eS	39.6									
	HKN	0	eP	14 29.0						322	229	99	3.7	4.1	2.6			
	TYOK	II	eP	14 30.2				eS	47.4	2	1.9	300	1.2	1.1	1.7			
	NGŶ	0	P	14 30.8	–2	–3	–2	S	53.6	174	180	71	3.0	2.6	1.8			
	MIZR	0	eP	14 38.7				iS	55.8	900	500	400	0.4	0.4	0.4			
1	SMZ	II	iP	16 55 43.9	+6	+10	+12	iS	4.1	153	113	50	0.9	0.8	0.6			
	UWJM	I	iP	55 49.1				iS	9.4									日向灘
	MTYM	I	eP	55 58.3				iS	7.7	40	35	15	0.8	0.7	2.1			Hyūga-nada
	KOCH	0	eX	56 02.3				eS	9.4									
	MRTM	0	iP	56 02.7	(–)			eS	20.3	5	8		1.6	1.0				
	OKYM	0	P	56 06.6				S	42.4	10	8	3	0.6	0.6	2.0			32°31′
	HRSM	0	eP	56 08.3				iS	24.6	14	12	11	2.4	2.3	1.1			132°41′
	TKMT	0	eP	56 14.4				eS	30.0	14	20	7	1.2	1.4	1.3			20 Km
	TKSM	0	eP	56 15.1				eS	32.0									

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
	MTE	0	eP	56 16.2				S	48.8									
	HMD	0	eP	56 18.7				S	32.3	9	11	8	0.9	1.2	1.2			
	OSK	0	X	57 00.5						11	20	6	3.0	4.1	2.1			
	TYOK	0	eS	57 02.4						59	42		1.2	1.2				
	YNG	0	S	57 05.1														
1	SMZ	0	eP	18 17 25.8				eS	7.6	5	3	2	0.8	0.8	0.8			
1	SMZ	0	P	21 38 03.4	−1	−1	−2	S	8.0	11	6	5	0.9	0.7	0.8			
1	SMZ	0	eP	21 46 52.6				eS	8.6	7	8	5	0.8	0.8	0.8			
2	NR	I	iP	02 40 52.9				iS	6.7									三重県 Mie pref. 34°22 136°25 40 Km
	OSK	0	P	40 54.2			+3	S	12.1	8	8	6	3.8	2.5	1.9			
	HKN	0	eP	40 57.2				S	9.9	11	15	4	0.8	0.6	0.2			
2	SMZ	0	eP	04 05 07.7				eS	7.8	5	3	3	0.8	0.8	0.7			
2	SMZ	0	eP	16 21 18.0				eS	5.7	7	6	4	0.5	0.4	0.4			
4	NGY	0	P	19 54 47.2				S	24.6	92	100	46	1.2	3.6	1.2			
	HKN	0	eP	54 54.3				iS	28.4	106	86	31	4.7	1.0	0.8			松代付近
	NR	0	eP	55 03.4														
	OSK	0	eP	55 05.5						186	270	66	4.6	4.6	3.9	X	48.0	Near
	OWS	0	eP	55 07.0			(+)	iS	38.6	10	12	8	4.0	4.0	3.6			Matsu-
	TYOK	0	P	55 10.9				S	38.6	51	25	11	1.2	1.2	4.6			shiro
	SMT	0	eP	55 11.0				eS	44.5	13	12	9	5.0	5.6	4.8	eX	10.9	
	KOB	0	eP	55 14.4				eS	44.6									36°34 138°11 0 Km
	WKYM	0	P	55 21.3				S	45.4	17	80		1.0	1.0				
	OKYM	0	eP	55 24.5				eS	53.5	8	9	10	4.6	4.4	3.6			
	SMSK	0	eP	55 25.4				eS	45.4	13	16	5	4.0	3.2	1.2			
	MRTM	0	eP	55 29.7				eS	1 21.3	8	12	7	6.4	5.0	5.0			
	TKMT	0	eP	55 35.3				eS	53.0	13	13	3	5.6	5.6	5.1			
	HMD	0	eP	55 38.6				eS	1 6.8	5	4	5	5.6	3.7	4.1			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	MTYM	0	eP	55 53.3				eS	1 8.2	9	6	2	5.2	5.2	5.6			
	HRSM	0	eP	55 54.0				eS	1 6.0	10	5	2	3.2	3.8	2.4			
	SMZ	0	eX	57 59.1						5	11	4	3.8	5.0	3.8	eX	22.1	
5	SMZ	0	P	06 59 12.8			+2	iS	6.0	42	18	15	0.4	0.3	0.4			
5	KOCH	I	iP	11 00 04.6				iS	2.9									
	MRTM	0	eP	00 17.9				iS	8.2	4	5		0.3	0.3				高知付近
	TKMT	0	eP	00 21.9				iS	6.2	11	13		0.6	0.4				Shikoku
	OKYM	0	P	00 22.9				S	12.2	9	13	1	0.4	0.2	0.5			
5	SMZ	0	iP	13 02 52.4	−2	−3	−5	eS	8.0	8	8	8	0.3	0.2	0.2			
	UWJM	I	eP	02 54.0				eS	9.2									
6	WKYM	0	P	23 27 09.9				iS	0.9	33	19		0.1	0.1				
7	WKYM	I	P	01 48 49.3				iS	0.2	39	100		0.1	0.1				
7	NGY	0	P	11 48 55.2				S	13.6	8	8	2	1.8	2.0	2.0			
	OSK	0	eX	49 47.–						7	8	4	2.8	3.4	2.0	X	59.–	
7	OKYM	0	iP	16 54 31.8				iS	2.5	15	6	1	0.3	0.3	0.3			
7	SMZ	0	eP	18 37 42.1				eS	5.8	4	6	2	0.5	0.4	0.4			
8	WKYM	0	iP	02 30 16.2				iS	0.8	13	16		0.1	0.1				
9	HMD	0	eP	01 47 33.4				S	1.0	5	7	2	0.1	0.1	0.1			
9	OSK	0	eP	11 41 37.–						7	7	7	3.1	3.1	2.4			
10	WKYM	I	iP	18 11 33.6				iS	1.2	89	46	23	0.1	0.1	0.1			
11	SMZ	0	eP	01 23 47.0				eS	7.8	5	4	3	0.7	0.7	0.6			
11	SMZ	0	eP	10 54 59.1				eS	8.3	5	3	2	0.4	0.4	0.3			
14	WKYM	0	iP	01 26 25.8				iS	1.1	22	21		0.1	0.1				
14	NGY	0	P	17 38 16.0				S	1 2.6	14	19	4	2.8	2.4	1.8			八丈島 東方沖
	OWS	0	iP	38 18.6			(+)	eS	55.4	4	5	5	8.0	8.0	9.0			
	HKN	0	eP	38 24.4						12	10		1.7	2.3				E off Hachijō-
	SMSK	0	eP	38 25.6				eS	57.3	4	4		7.8	7.6				jima

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
	OSK	0	eP	38 28.5						25	36	12	3.7	4.4	3.5			33°
	MRTM	0	eP	38 43.0				eX	1 12.0		5			8.0		eX	2 51.0	142° 80
14	NGY	0	P	22 06 11.2				S	58.4	20	18	6	2.4	3.2	2.8			
	OWS	0	iP	06 14.6			(+)	eS	53.8	5	6	9	10.0	8.0	9.0			八丈
	SMSK	0	eP	06 19.8				eS	1 13.5	6	8		8.1	9.0				東方
	HKN	0	eP	06 20.2						15	11		2.2	2.7				
	OSK	0	eP	06 25.6						42	45	15	5.0	4.4	5.0			E off
	SMT	0	eP	06 29.5				eS	1 4.8	6	4	4	10.0	9.0	9.0			Hachi
	OKYM	0	eP	06 40.–						4	4	6	3.0	9.0	9.0			jima
	MRTM	0	eP	06 41.3						5	5	5	9.0	8.0	8.0	eX	1 5.7	33° 142° 60
	TYOK	0	eP	06 46.7						9	6	8	12.8	9.8	7.3			
	SIG	0	eX	06 56.0						2	6	4	2.6	10.8	16.0	eX	2 40.–	
15	MRTM	0	eP	14 12 03.0				S	11.6	4	7		0.8	0.6				
	SMZ	0	eP	12 06.6						16	8	4	1.0	0.6	0.9	iX	5.2	
15	MRTM	0	P	22 37 07.9				S	1.2	5	6		0.2	0.2				
16	SMT	0	iP	00 46 10.4	(–)	(–)	(–)	iS	6.7	10	8	3	0.4	0.2	0.2			
	TKMT	0	iP	46 15.0	(+)		(+)	iS	10.6	10	9	2	0.3	0.3	0.3			
	OKYM	0	iP	46 10.7				iS	7.4	11	8	4	1.2	1.2	0.6			
16	WKYM	I	iP	08 00 09.4				iS	0.2	41	83		0.1	0.1				
17	SMZ	0	P	14 54 06.8		–5		S	8.0	14	6	5	0.8	0.6	0.6			
19	WKYM	I	P	16 27 48.5				iS	1.4	70	28		0.1	0.1				
19	SMZ	0	eP	18 50 15.0				S	8.2	6	4	2	0.9	0.8	0.9			
20	WKYM	II	iP	19 32 07.3				iS	1.3	53	152		0.1	0.1				
20	MRTM	0	iP	02 22 24.0		(–)		iS	6.5	9	12	3	0.5	0.5	0.4			
	KOCH	0	iP	22 24.6	+5	–5	+4	iS	6.3									高知県 東
	TRGS	0	eP	22 24.9				eS	6.9									Shikok
	TKSM	0	eP	22 28.2				iS	7.5									33°3 133°5 50 Km

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha m s	Remarks
	OKYM	0	iP	22 33.2	(–)		(–)	iS	14.8	13	10	2	0.3	0.2	0.3			
	SMT	0	P	22 33.5	(–)		(–)	S	13.5	19	5	2	0.3	0.2	0.3			
	KOB	0	eS	23 00.8														
20	SMZ	III	iP	23 34 56.8			+24	S	4.2	109	234	60	0.2	0.2	0.2			足摺岬沖 S off Ashizuri Pen. 32°34′ 132°55′ 40 Km
	UWJM	0	P	35 02.4		(+)		S	9.4									
	MTYM	0	eP	35 10.3				eS	17.2	12	14	3	0.6	0.7	1.0			
	KOCH	0	eX	35 13.0														
21	NGY	0	P	05 12 35.2				S	20.8	5	6	3	1.0	1.2	1.0			松代付近 Near Matsu-shiro
	HKN	0	eP	12 44.4				eS	21.7	7	5		0.9	0.4				
21	NGY	0	P	05 20 12.0				S	19.4	10	14	7	1.0	1.4	1.0			松代付近 Near Matsu-shiro
	HKN	0	eP	20 18.6				eS	22.6	13	14	4	1.1	1.3	1.5			
	OSK	0	eP	20 36.–	(+)	(+)	(–)			9	11	6	3.4	3.4	2.0			36°26′ 138°05′ 0 Km
	TYOK	0	eS	21 12.3						11	7		1.2	1.3				
21	NGY	0	P	07 18 10.0				S	20.4	7	6	2	0.8	0.8	0.8			
	OSK	0	eX	19 10.–						4	6		3.0	4.2				
21	NGY	0	P	17 35 30.8				S	1 21.6	72	59	18	3.0	2.6	3.2			
	HKN	0	eP	35 38.0				eS	1 17.1	26	32	12	0.9	1.1	1.9			
	OWS	0	eP	35 46.1	(+)	(+)	(–)	eS	1 28.9	15	8	8	5.0	3.0	5.0			三陸 はるか沖 Far off Sanriku
	KOB	0	eX	35 47.7														
	OSK	0	eP	35 48.–						120	170	40	4.6	4.7	4.3			
	TYOK	0	eP	35 50.0				S	1 25.1	30	24	12	17.3	11	3.8			
	NR	0	eP	35 5[illegible].7														
	SMSK	0	eP	35 55.6				S	1 40.6	9	13		4.5	4.7				38°36′ 143°28′ 60 Km
	SMT	0	eP	35 55.7				eS	1 37.6	14	8	9	11.9	3.6	10.7			
	MRTM	0	eP	36 03.0				eX	1 51.6	9	10	7	10.8	6.8	6.0	iX	12.5	
	OKYM	0	P	36 03.4		(–)	(+)	eS	1 56.6	5	6	10	3.8	5.0	5.3			
	TKMT	0	eP	36 04.4				e	1 54.4	8	4	2	4.7	4.5	4.0			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	HRSM	0	eP	36 18.6				eS	2 2.0	8	10	3	14.0	17.6	5.1			
	HMD	0	P	36 21.4		−1	+1	eS	1 52.0	10	7	7	13.6	3.8	3.8			
	MTYM	0	eP	36 22.5				eS	1 53.2	7	2	3	4.8	3.1	4.8			
	SMZ	0	eP	36 27.8				eS	2 5.2	5	3	3	4.2	4.4	4.3			
22	WKYM	I	P	06 42 33.0				iS	2.7	83	107	40	0.1	0.1	0.1			
	SMT	I	iP	42 34.2	−1	+1	−2	iS	3.4									和歌山
	TKSM	0	eP	42 38.1				eS	6.9									
	TKMT	0	eP	42 45.1				eS	13.3									Near Wakay
	SMSK	0	P	42 46.2				iS	10.3	9	8	5	4.4	2.0	2.4			34°
	OKYM	0	eP	42 48.2			(−)	eS	15.4	5	7	2	0.5	0.5	1.2			135°
	OSK	0	X	42 50.0						8	17		3.4	3.9				20
23	NGY	0	P	06 41 38.0				S	53.2	7	6	3	1.2	2.0	1.2			
	HKN	0	eX	42 30.0						5	7	2	0.9	0.9	0.8			
23	MRTM	0	eP	22 10 00.0				iS	6.8	7	11		0.3	0.2				
24	OSK	0	P	05 38 34.1			−3			10	15	14	2.6	4.0	2.6			
26	NGY	0	P	13 04 49.4				S	3.4	6	3		0.6	1.0				
26	NGY	0	P	22 22 17.4				S	52.6	32	25	11	2.4	2.8	2.0			福島県
	HKN	0	eP	22 24.9				eS	1 0.3	24	15	8	1.3	1.1	1.5			Off Fukushima
	NR	0	eP	22 33.7														prof.
	TYOK	0	P	22 37.4				S	1 13.8	13	15		1.4	1.1				37°
	OSK	0	eP	22 50.−						25	31	16	4.3	4.4	2.5			141°
	MRTM	0	eP	23 01.1				eS	1 34.0	5			2.8					40
26	SMZ	0	eP	23 41 58.4				S	7.4	5	4	3	0.7	0.6	0.6			
27	OSK	0	P	00 12 23.5			+2			5	5	7	2.7	2.4	2.0			

International Seismological Centre

Report of Earthquakes—

—Station without seismograph.

Apr. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
1	Sukumo	宿毛	Kōchi	V	09^h42^m	
	Ino	伊野	〃	IV	42	
	Nakamura	中村	〃	IV	42	
	Tomiyama	富山	〃	IV	42	
	None	野根	〃	IV	42	
	Saijyō	西条	Ehime	IV	42	
	Ōsu	大州	〃	IV	42	
	Uwamachi	宇和町	〃	IV	42	
	Kurosaka	黒坂	Tottori	IV	42	
	Mihara	三原	Kōchi	IV	43	
	Tsudai	津大	〃	IV	43	heard
	Suzaki	須崎	〃	IV	43	
	Yusuhara	檮原	〃	IV	43	
	Kubokawa	窪川	〃	IV	43	
	Kure	呉	Hiroshima	IV	43	
	Kurose	黒瀬	〃	IV	43	
	Shiraki	白木	〃	IV	43	
	Mitsugi	御調	〃	IV	43	
	Sakai	境	Tottori	IV	43	
	Kabe	可部	Hiroshima	IV	44	
	Takehara	竹原	〃	IV	44	
	Yutaka	豊	〃	IV	44	
	Kōchi	河内	〃	IV	45	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
1	Kisa	吉舎	Hiroshima	IV	09^h45^m	
	Egawasaki	江川崎	Kōchi	IV	45	
	Chōja	長者	〃	IV	45	
	Nishi-toyonaga	西豊永	〃	IV	45	
	Aki	安芸	〃	IV	45	
	Ōasa	大朝	Hiroshima	III	42	
	Kannabe	神辺	〃	III	42	
	Fuchū	府中	〃	III	42	
	Tano	田野	Kōchi	III	42	
	Ōfuki	大保木	Ehime	III	42	
	Ōtori	鳳	Ōsaka	III	42	
	Hatsukaichi	廿日市	Hiroshima	III	43	
	Chiyoda	千代田	〃	III	43	
	Funo	布野	〃	III	43	
	Hongawa	本川	Kōchi	III	43	
	Mihara	三原	Hiroshima	III	43	
	Shōbara	庄原	〃	III	43	
	Matsunaga	松永	〃	III	43	
	Fukuyama	福山	〃	III	43	
	Wake	和気	Okayama	III	43	heard
	Nagashima	長島	〃	III	43	
	Higashi-nozaki	東野崎	〃	III	43	
	Tamano	玉野	〃	III	43	
	Tamashima	玉島	〃	III	43	
	Yakage	矢掛	〃	III	43	heard
	Kurashiki	倉敷	〃	III	43	
	Takahashi	高梁	〃	III	43	

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Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
1	Fukuwatari	福渡	Okayama	III	09^h43^m	
	Susai	周匝	〃	III	43	
	Shimoazai	下呰部	〃	III	43	heard
	Taisa	大佐	〃	III	43	
	Kuse	久世	〃	III	43	
	Otake	大竹	Hiroshima	III	43	
	Katada	堅田	Shiga	III	43	
	Hiki	日置	Wakayama	III	43	
	Wakasa	若桜	Tottori	III	43	
	Kasumi	香住	Hyōgo	III	43	
	Aoya	青谷	Tottori	III	44	
	Nawa	名和	〃	III	44	
	Gobō	御坊	Wakayama	III	44	
	Kyōgasaki	経ケ岬	Kyōto	III	44	
	Akashi	明石	Hyōgo	III	44	
	Yuki	油木	Hiroshima	III	44	
	Yubara	湯原	Okayama	III	44	
	Kaminagata	上田	〃	III	44	
	Tsuyama	津山	〃	III	44	
	Kake	加計	Hiroshima	III	44	
	Jōge	上下	〃	III	44	
	Kami-yanaze	上魚梁瀬	Kōchi	III	44	
	Yoshiwa	吉和	Hiroshima	III	45	
	Saijyō	西条	〃	III	45	
	Yoshida	吉田	〃	III	45	heard
	Tōhaku	東伯	Tottori	III	45	
	Kunifusa	国英	〃	III	45	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
1	Agei	上井	Tottori	III	09^h45^m	
	Inno-shima	因島	Hiroshima	III	45	
	Saeki	佐伯	〃	III	45	
	Kuhi	久比	〃	III	42	
	Toyosaka	豊栄	〃	III	45	
	Neu	根雨	Tottori	III	45	
	Yoshinari	吉成	〃	II	42	
	Tojima	富島	Hyōgo	II	42	
	Tondabayashi	富田林	Ōsaka	II	42	
	Midori	美土里	Hiroshima	II	42	
	Kotsuka	小塚	〃	II	43	
	Izushi	出石	Hyōgo	II	43	
	Ochi	越知	Kōchi	II	43	
	Hōshōji	法勝寺	Tottori	II	45	
	Takano	高野	Hiroshima	II	45	
	Taisei	大成	Tottori	I	42	heard
	Singū	新宮	Wakayama	I	42	
	Yuhi	油日	Shiga	I	43	
	Yamato-shinjyō	大和新庄	Nara	I	44	
	Kameoka	亀岡	Kyōto	I	44	
	Mineyama	峯山	〃	I	44	
	Mikawa	美川	Ehime	II	42	
1	Saijyō	西条	〃	III	16 14	
	Kurose	黒瀬	Hiroshima	III	14	
	Tojima	富島	Hyōgo	II	14	
	Higashinozaki	東野崎	Okayama	II	14	
	Chōjya	長者	Kōchi	II	14	

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Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
1	Yusuhara	檮原	Kōchi	II	16^h14^m	
	Nakamura	中村	〃	II	14	
	Kure	呉	Hiroshima	II	14	
	Sakai	境	Tottori	II	15	
	Kabe	可部	Hiroshima	II	15	
	Hatsukaichi	廿日市	〃	II	15	
	Ōtake	大竹	〃	I	13	
	Funo	布野	〃	I	13	
	Mihara	三原	〃	I	13	
	Fuchū	府中	〃	I	14	
	Matsunaga	松永	〃	I	14	
	Ōzu	大州	Ehime	I	14	
	Uwamachi	宇和町	〃	I	14	
	Yakage	矢掛	Okayama	I	14	
	Suzaki	須崎	Kōchi	I	14	
	Innoshima	因島	Hiroshima	I	14	
	Saeki	佐伯	〃	I	14	
1	Nakamura	中村	Kōchi	I	16 55	
2	Minakuchi	水口	Shiga	II	02 40	
	Yuhi	油日	〃	I	42	
2	Gobō	御坊	Wakayama	I	23 12	heard
7	Higashinogami	東野上	〃	I	01 50	〃
10	Gobō	御坊	〃	II	02 21	
12	〃	〃	〃	I	03 04	
18	Kibi	吉備	〃	II	04 02	
20	Mjhara	三原	Kōchi	I	23 35	
	Kami-yanaze	上魚梁瀬	〃	I	35	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
22	Kibi	吉　備	Wakayama	II	06^h42^m	
	Higashinogami	東野上	〃	I	43	heard
30	Gojyō	五　条	Nara	II	04 04	〃
	Kazaya	風　屋	〃	I	04	
	Kawakami	川　上	〃	I	04	

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Centre

大阪管区

地震月報

昭和43年5/6月

THE MONTHLY REPORT OF EARTHQUAKES

May
June 1968

大阪管区気象台
The Osaka
District Meteorological Observatory
Japan

International Seismological Centre

観測所一覧表 (1) List of Station(1)

Station		Abbreviation	Seismo-graph	Lat. (N)	Long. (E)	Height (m)
浜　田	Hamada	HMD	Vi,Op,S	34°54′	132°04′	19.6
彦　根	Hikone	HKN	W,S	35 16	136 15	88.8
姫　路	Himeji	HMJ	P,S	34 50	134 40	37.8
広　島	Hiroshima	HRSM	W,S	34 22	132 26	29.7
神　戸	Kōbe	KOB	P,S	34 41	135 11	58.8
高　知	Kōchi	KOCH	P,S	33 33	133 32	2.
京　都	Kyōto	KYT	Vi,Op,S	35 01	135 44	42.6
舞　鶴	Maizuru	MIZR	P,S	35 28	135 23	31.2
松　江	Matsue	MTE	P,S	35 27	133 04	18.7
松　山	Matsuyama	MTYM	W,S	33 50	132 47	32.4
室戸岬	Murotomisaki	MRTM	Vi,Op,S	33 15	134 11	185.9
奈　良	Nara	NR	P,S	34 41	135 50	105.0
岡　山	Okayama	OKYM	Vi,Op,S	34 41	133 55	3.8
大　阪	Ōsaka	OSK	Vi,S	34 39	135 32	5.1
西　郷	Saigō	SIG	Vi,Op,S	36 12	133 20	28.3
清　水	Shmizu	SMZ	Vi,S	32 43	133 01	30.2
潮　岬	Shionomisaki	SMSK	W,S	33 27	135 46	74.3
洲　本	Sumoto	SMT	Vi,Op,S	34 20	134 54	109.6
高　松	Takamatsu	TKMT	W,S	34 19	134 03	9.6
徳　島	Tokushima	TKSM	P,S	34 04	134 35	1.8
鳥　取	Tottori	TTR	P,S	35 31	134 11	17.7
豊　岡	Toyooka	TYOK	W,S	35 32	134 50	4.2
剣　山	Tsurugisan	TRGS	P_H,S	34 03	134 10	56.1
宇和島	Uwajima	UWJM	P_H,S	33 14	132 33	43.4
和歌山	Wakayama	WKYM	W,S,I	34 14	135 10	14.3
米　子	Yonago	YNG	P,S	35 26	133 21	7.1
亀　山	Kameyama	KMYM	W,S	34 51	136 28	69.2
名古屋	Nagoya	NGY	Vi,Op,S	35 10	136 58	55.7
尾　鷲	Owashi	OWS	Vi,Op,S	34 04	136 12	16.1

Number of earthquakes

May. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	45	—	—	1	—	—	—	—	46
Himeji	7	—	—	—	—	—	—	—	7
Kōbe	16	1	—	—	—	—	—	—	17
Kyōto	*	*	*	*	*	*	*	*	*
Maizuru	4	2	—	—	—	—	—	—	6
Nara	17	1	1	—	—	—	—	—	19
Ōsaka	101	—	—	1	—	—	—	—	102
Shionomisaki	29	1	2	—	—	—	—	—	32
Sumoto	36	2	1	—	—	—	—	—	39
Toyooka	43	—	—	—	—	—	—	—	43
Wakayama	20	4	2	—	—	—	—	—	26
Chūgoku District									
Hamada	27	1	—	—	—	—	—	—	28
Hiroshima	20	1	—	—	—	—	—	—	21
Matsue	6	—	—	—	—	—	—	—	6
Okayama	28	2	—	—	—	—	—	—	30
Saigō	27	—	—	—	—	—	—	—	27
Tottori	6	—	1	—	—	—	—	—	7
Yonago	6	—	—	—	—	—	—	—	6
Shikoku District									
Kōchi	7	—	1	—	—	—	—	—	8
Matsuyama	21	—	—	—	—	—	—	—	21
Murotomisaki	36	—	—	—	—	—	—	—	36
Shimizu	28	—	—	—	—	—	—	—	28
Takamatsu	22	—	—	—	—	—	—	—	22
Tokushima	11	3	1	—	—	—	—	—	15
Tsurugisan	8	—	—	—	—	—	—	—	8
Uwajima	9	2	1	—	—	—	—	—	12

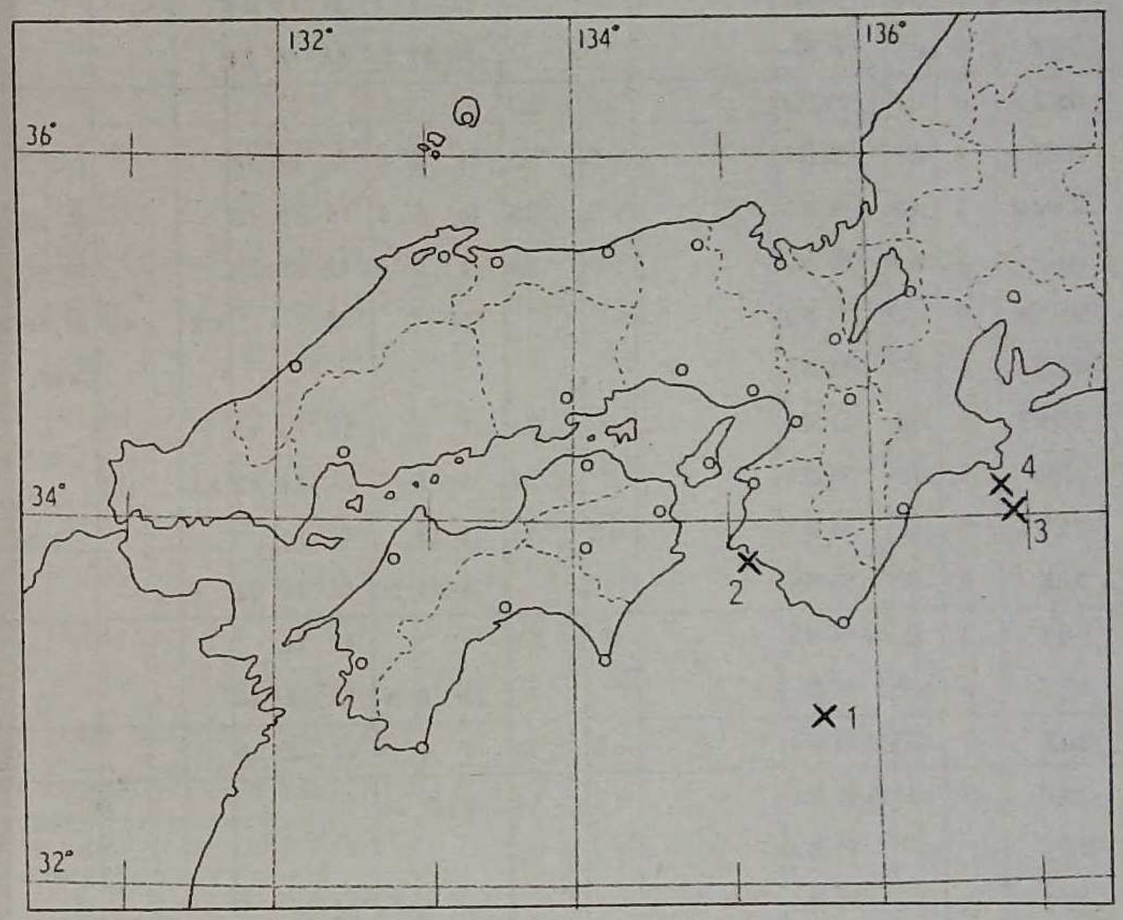
* No observation.

International Seismological Centre

Remarks: Data containd in this report are ones whose maximum double amplitude exceeds 1mm on the record of electromagnetic, wiecherts and portable seismograph.

Epicenter of the major felt earthquakes. in west Honshu and Shikoku.

May. 1968



No.	Date	Origin time (J.S.T.)	Epicenter				Max. S.I.
			Location	Lat.	Long.	Depth	
1	5	$16^h 21^m$	紀伊半島沖 S off Kii pen.	32°57′N	135°37′N	30Km	III
2	9	18 54	和歌山県西岸 W coast of Wakayama pref.	33 45	135 10	70	III
3	9	23 22	志摩半島沖 Off Shima pen.	34 1	136 56	0	IV
4	10	00 03	〃 〃	34 9	136 51	0	III

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
1	HMD	0	eP	03 11 11.6		S	2.0	3 10 3	03 0.3 0.3			
1	NGY	0	P	17 45 16.8		S	1 14.6	27 18 9	2.4 2.2 2.0			
	HKN	0	eP	45 22.9		eS	1 20.0	17 18	1.4 1.4			
	TYOK	0	eP	45 35.4				13 18 5	1.1 1.3 1.8			
	OSK	0	eP	45 38.–				51 57 19	4.6 4.8 2.4			
1	UWJM	0	eP	21 55 11.4		eS	24.8					
	SMZ	0	eP	55 13.8		eS	27.3	17 6 8	1.6 1.4 1.6			宮崎県南部
	MTYM	0	eP	55 20.0		eS	31.5	10 8 3	1.0 0.7 1.0			SW of
	HMD	0	eP	55 26.2		eS	36.4	4 5 4	4.2 5.8 2.0			Miyazaki
	MRTM	0	eP	55 27.0				5	3.0	eX	49.0	pref.
	TKSM	0	eP	55 37.8								
	TKMT	0	eP	55 39.0		eS	53.0	11 7 2	1.4 1.0 1.3			
	SMT	0	eP	55 42.9		S	1 3.7	5 3 3	2.4 4.4 4.2	iX	11.1	32°1 130°4 20Km
	TYOK	0	eP	56 05.0		eS	1 4.1	13 18	1.2 1.0			
	OSK	0	eP	56 06.–				25 25 11	4.4 4.2 2.2			
2	NGY	0	P	04 14 44.0		S	1 25.0	9 7	4.0 3.0			
	OSK	0	eP	15 05.–				13 18 8	4.8 5.8 3.8			
2	SMZ	0	eP	07 26 05.4		eS	5.0	8 4 3	0.8 0.6 0.6			
2	OWS	II	eP	10 40 41.6		eS	4.4	109 125 38				三重県中部
	NR	0	eP	40 46.9		iS	8.4					Middle of
	OSK	0	P	40 49.5				10 5	0.6 0.5			Mie pref.
	NGY	0	P	40 53.7		S	14.8	5 7 3	1.0 1.0 0.6			34°16 136°24 30Km
	HKN	0	eS	41 06.8				7 7 3	0.6 0.6 0.8			
3	HMD	I	P	03 32 41.6	–1	iS	1.1	15 8 3	0.3 0.3 0.3			
3	HMD	0	P	03 46 07.6		iS	1.4	8 4 1	0.3 0.3 0.3			
3	SMZ	0	eP	08 06 40.7		S	7.8	6 6 3	0.8 0.7 0.6			
3	MRTM	0	iP	08 33 25.7	(+) (+) +1	S	5 50.3	5 4	5.0 6.0			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
	OSK	0	eP	33 38.7		eS	6 1.–	20 23 5	4.5 4.4 3.3			
	NGY	0	P	33 43.9		S	6 1.1	7 7	4.0 4.0			
	HKN	0	eX	39 48.8				12 5 1	2.7 2.4 1.9			
3	HMD	0	P	14 35 34.0	+1 +1 +1	eS	2 23.2	5 3 5	4.6 4.4 4.2			
	OSK	0	eP	36 00.3				12 14 5	3.5 4.0 3.0			
3	SMZ	0	eP	15 46 05.8		eS	5.6	6 6 4	0.6 0.6 0.6			
3	HRSM	I	P	22 26 39.8	–1 +2 –2	S	7.9	12 15 10	0.5 0.4 0.3			
	MTYM	0	eP	26 41.4		iS	7.2	16 14 6	0.7 0.7 0.5			瀬戸内海中部
	OKYM	0	iP	26 43.5	(–) (–) (–)	iS	10.6	9 10 1	0.5 0.5 0.6			Middle
	TKMT	0	eP	26 43.5		iS	10.2	12 10 7	0.4 0.4 0.4			of
	HMD	0	eP	26 49.1		S	13.9	6 7 3	0.3 0.6 0.3			Setonai-kai
	TKSM	0	eP	26 55.1		eS	13.9					34°19′ 133° 7′ 10Km
	SMT	0	P	26 56.0		S	18.5	5 2 1	0.4 0.3 0.3			
	TYOK	0	eP	27 04.2		eS	25.8	12 8	1.2 1.1			
4	SMSK	0	P	12 22 50.8	–3	iS	1 7.0	10 6 5	3.0 3.4 1.4			本州南方沖
	NGY	0	P	23 02.0		S	1 14.4	10 7	3.0 3.2			S off
	TKMT	0	eP	23 06.1		iS	1 15.5	3 8 1	1.2 1.4 1.0			Honshu
	OSK	0	X	24 13.8				22 18 11	3.0 3.6 1.7			29°53′ 138°48′ 500Km
4	SMZ	0	iP	19 45 50.7	–1 –2 –5	S	8.1	9 8 6	0.6 0.6 0.6			
5	OKYM	0	iP	03 38 46.6	(–) (–)	eS	1.6	15 13 3	0.6 0.5 0.4			
5	SMSK	II	iP	16 21 12.4	+43 +10 +71	iS	6.1	325 209 88	1.2 1.2 1.0			紀伊半島沖
	MRTM	0	iP	21 22.9	–1 +2 –1	S	14.1	36 25 14	1.4 4.0 3.8			
	OWS	0	eP	21 23.2		iS	14.8	30 27 27				S off
	WKYM	II	P	21 23.4		iS	15.1	20.6 25.4 8.4	0.1 0.1 0.1			Kii Pen.
	TKSM	I	eP	21 26.8		iS	15.5					
	SMT	I	iP	21 28.0	–1 (+) –2	iS	17.4	64 31 13	0.5 1.1 1.0			32°57′ 135°32′ 30Km
	TRGS	0	P	21 29.6		S	18.8					

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	KOCH	0	iP	21 31.9		+2	−4	iS	20.3									
	OSK	0	eP	21 31.–				S	19.–	126	226	90	4.7	5.2	8.2	X	4.–	
	KOB	0	eP	21 32.4				eS	21.6									
	TKMT	0	eP	21 33.6				eS	21.6	42	56		12	1.2				
	NR	0	eP	21 33.9				eS	21.0	150	50		1.8	1.6				
	OKYM	0	iP	21 37.0	(+)		(−)	eS	26.0	25	33	9	0.7	0.6	2.1			
	HMJ	0	eP	21 37.6				eS	25.2									
	SMZ	0	eP	21 38.6						7	5	5	1.3	1.2	1.4	eX	24.0	
	HKN	0	eP	21 41.0				eS	28.2	65	80	23	1.1	1.2	1.2			
	NGY	0	P	21 41.4				S	40.2	49	33	18	2.4	1.8	1.6			
	MTYM	0	eP	21 42.3				eS	29.2	12	13	6	0.7	0.7	1.7			
	TYOK	0	iP	21 45.9				eS	28.9	184	147	73	1.2	1.1	0.9			
	TTR	0	eP	21 46.4				eS	30.2									
	HRSM	0	P	21 47.0	−1	+2	−3	S	34.7	6	4	4	3.6	3.4	0.5			
	YNG	0	eP	21 50.2				eS	34.1									
	MTE	0	eP	21 53.0				eS	41.4									
5	NGY	0	P	16 24 27.0				S	2.8	23	18		0.6	0.6				
6	NGY	0	P	01 16 24.4				S	1.8	11	18	4	0.6	0.3	0.6			
6	WKYM	I	P	04 13 19.5				iS	1.1	29	72		0.1	0.1				
6	MTYM	0	eP	07 52 51.0				eS	24.3	7	7	2	0.5	0.8	0.4			
6	WKYM	I	iP	08 28 43.3				iS	1.4	103	90	52	0.1	0.1	0.1			
	SMT	0	iP	28 48.3	−1	+1	−2	S	3.7	18	7	4	0.3	0.3	0.5			
	SMSK	0	eP	29 00.6				iS	10.5	9	5	5	0.4	0.8	1.5			
	OSK	0	S	29 02.1			−3			12	22	7	4.3	3.4	2.5			
6	MTYM	0	eP	22 17 50.5				iS	6.0	10	9	5	0.6	0.6	0.4			
8	SMZ	0	eP	15 42 46.2				eS	4.4	9	6	4	0.8	0.6	0.6			
8	OSK	0	eP	21 28 39.–						6	10	4	2.8	3.1	2.7			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
8	WKYM	0	P	21 32 01.9				iS	0.4	8	6		01	01				
9	WKYM	I	P	18 55 07.0				iS	6.7	146	96	28	02	0.2	0.2			
	SMT	I	iP	55 07.5	−1		−1	iS	8.2	44	38	6	06	0.5	0.3			
	SMSK	I	iP	55 07.7				S	9.3	17	15	10	0.4	0.4	0.2			
	OWS	I	iP	55 10.4	(+)	+6	+6	eS	12.8	23	13	5		0.8	0.8			
	TKSM	I	eP	55 10.8	−2	+4	−6	iS	7.8									和歌山県西岸 W coast of Wakayama pref. (33°45′ 135°10′ 70Km)
	OSK	0	iP	55 11.3			−4	S	12.7	20	20	13	0.7	3.6	2.0			
	KOB	0	P	55 11.7	+2		+4	iS	11.6									
	MRTM	0	iP	55 12.5	(−)	−1		iS	11.5	46	45	11	0.4	0.4	0.5			
	NR	0	eP	55 13.2				iS	14.0									
	TKMT	0	eP	55 13.8				iS	12.5	13	16	12	1.0	1.0	0.8			
	TRGS	0	eP	55 14.3														
	OKYM	0	eP	55 16.6			(+)	iS	16.8	10	11	3	0.5	0.5	0.4			
	KOCH	0	iP	55 17.8		−2		iS	15.8									
	HKN	0	eP	55 24.0				S	20.3	25	29	11	0.6	0.6	0.4			
	TYOK	0	eP	55 25.2				S	19.5	24	14		1.1	1.1				
	NGY	0	P	55 28.8				S	24.9		8			1.0				
9	OWS	II	iP	23 22 21.6	+6	+30	−25	iS	7.4	470	380	325	2.6	2.0	2.8			
	NR	II	iP	22 28.9	+3	−6	+26	iS	15.0	400	1150	500	2.0	2.0	1.8			
	NGY	II	P	22 29.1	+15		+14	S	14.1	227	260	157	1.0	1.0	1.0			志摩半島沖 Off Shima pen. (34° 1′ 136°56′ 0Km)
	SMSK	II	P	22 30.6		−3	+8	iS	18.3	233	226	170	1.4	1.8	1.9			
	OSK	III	iP	22 31.9		−2	+42	S	16.9	1300	1400	800	1.7	1.9	1.3			
	WKYM	II	P	22 33.3	+8	−29	+12	iS	22.7	81	87	20	0.2	0.2	0.2			
	HKN	III	iP	22 35.2	+49	−22	+24	iS	19.6	687	655	320	1.4	1.4	2.7			
	KOB	I	iP	22 36.3	+6	−6	+6	iS	23.4	250	300	150	1.5	1.9	1.9			
	SMT	II	iP	22 38.0		−7	+7	eS	22.4	208	148	129	2.9	2.8	3.3	eX	24.8	
	MIZR	I	iP	22 40.3	(+)	(−)		iS	26.9									

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	HMJ	0	eP	22 41.6				eS	28.2									
	TKSM	II	eP	22 45.6				eS	27.9	645	894	312	02	01	0.1			
	TYOK	X	P	22 46.0	+4	-6	(+)	S	30.4	600	1000	217	12	1.0	0.9			
	MRTM	0	iP	22 46.8			(+)	iS	35.6	129	179	59	2.0	2.0	2.8			
	TKMT	0	eP	22 47.4				eS	34.6	233	239		1.0	1.0				
	TRGS	0	P	22 47.5				S	36.3									
	OKYM	I	iP	22 49.2		(-)	+1	eS	35.0	150	129	81	04	0.6	2.9			
	KOCH	0	eP	22 55.7				iS	37.6									
	TTR	0	eP	22 58.7				S	35.6	150	100	200	12	1.8	1.8			
	YNG	0	eP	23 00.0				eS	41.9									
	MTE	0	eP	23 01.7				eS	46.0									
	SIG	0	eP	23 03.9	+1	-1	+1	S	49.5	197	234	159	1.8	2.2	2.2			
	HRSM	X	eP	23 06.7		(-)	(+)	S	58.5	57	44	103	2.7	2.4	2.4			
	MTYM	0	eP	23 06.9				iS	44.2	188	76	63	1.7	1.3	1.6			
	HMD	0	P	23 11.4		-1	+1	S	50.6	41	24	49	2.8	3.6	2.0			
	UWJM	0	eP	23 12.-												eX	43.-	
	SMZ	0	eP	23 16.8				eS	33.4	48	39	13	2.4	2.6	2.2			
9	OWS	0	eP	23 37 15.8				eS	7.4		7							
10	OWS	I	iP	00 03 39.6	(-)	+7	-5	iS	7.2	80	110	33						
	NR	I	iP	03 46.2	+2	-1	+6	iS	15.2									志摩半
	NGY	0	P	03 47.3				S	13.7	30	43	12	08	1.0	1.0			沖
	OSK	X	eP	03 48.8				S	19.0	53	88	48	1.8	1.4	1.3			Off
	SMSK	0	eP	03 49.2				S	17.2	15	11	6	1.1	1.6	1.4			Shima
	HKN	0	P	03 51.8				S	20.1	75	79	21	12	1.2	1.6			pen,
	WKYM	0	P	03 53.0				S	22.6	41	31		04	0.4				34°
	KOB	0	P	03 53.8			+2	eS	23.9									136°
	SMT	0	P	03 55.4		(-)	(+)	eS	23.4	11	6	6	12	1.3	1.3	iX	51	(K

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	MIZR	I	eP	03 58.4				eS	29.1									
	TKSM	0	eP	04 01.5				eS	27.5									
	TYOK	0	eP	04 03.5				eS	32.8	51	53		12	1.1				
	TRGS	0	eP	04 04.8				eS	37.3									
	OKYM	0	eP	04 06.5			(+)	eS	36.0	12	13	2	06	0.6	1.0			
	MRTM	0	eP	04 07.0				S	35.0	5	5		2.0	1.4				
	TKMT	0	eP	04 08.5				eS	33.1	13	10	9	1.0	1.0	1.0			
	SIG	0	eP	04 23.5	(+)	(-)	(+)	S	56.4	8	8	5	18	1.8	2.0			
	MTYM	0	eP	04 24.1				eS	53.3	7	3	3	16	1.0	1.4			
0	OWS	0	eP	08 04 16.0				eS	7.8	14	15	6						
	NR	0	eP	04 24.0				S	14.7									
	HKN	0	eS	04 46.4						8	8	3	12	1.0	0.7			
0	OSK	0	eP	18 28 08.-						9	8		49	4.1				
1	OSK	0	eX	00 16 09.-						7	5		4.8	4.2				
1	OSK	0	eX	05 38 17.-						7	7		44	5.0				
2	OSK	0	eX	00 42 27.-						9	7		41	4.6				
2	UWJM	I	P	17 14 53.1				iS	10.5									
	MTYM	0	iP	14 56.5	+3	+3	+4	iS	12.0	7	8	4	07	0.7	0.4			
3	WKYM	I	P	22 04 05.5				iS	0.6	9	12		01	0.1				
4	UWJM	II	eP	23 06 09.-				iS	45.-									
	SMZ	0	iP	06 09.2	-2	-2	-3	S	43.8	128	99	55	1.0	0.6	0.8			屋久島
	HRSM	0	eP	06 18.5				S	58.0	19	20	36	65	6.6	1.8			南西沖
	MTYM	0	eP	06 19.8				iS	1 1.5	62	70	21	06	0.7	2.1			SW off
	MRTM	0	iP	06 21.9	-1	-1	-1	iS	56.2	45	98	45	12	1.0	1.6			Yakushima
	KOCH	II	iP	06 23.0	(-)	(-)	-2	iS	55.9									29°35′
	HMD	0	P	06 28.0	+2	+1	+2	S	1 9.2	18	22	16	6.4	7.0	6.4			129°48′
	TKMT	0	eP	06 30.5				eS	1 1.7	77	133	39	1.0	1.4	1.2			160Km

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	OKYM	I	eP	06 32.3	(-)	(-)	(-)	iS	1 7.7	85	62	17	0.5	0.6	5.7			
	TKSM	I	eP	06 33.3				iS	1 5.0	320	420	120	2.4	2.3	2.0			
	SMSK	0	P	06 38.3				iS	1 11.1	63	78	38	1.8	1.8	1.4			
	MTE	0	eP	06 38.4				eS	1 1.7									
	HMJ	0	eP	06 40.3				S	1 15.6									
	WKYM	0	P	06 41.2				S	1 10.6	91	68	20	0.4	0.4	0.2			
	YNG	0	P	06 41.5	(-)	(-)	(-)	eS	1 9.4									
	KOB	0	eP	06 42.5				eS	1 9.3									
	TTR	0	eP	06 43.5				S	1 18.8									
	OWS	0	eP	06 46.0	(-)	(-)	(-)	eS	1 17.0	33	47	18	1.6	1.5	1.4			
	OSK	0	P	06 47.6			+5	eS	1 9.-	150	145	72	4.2	5.8	1.8			
	TYOK	0	eP	06 48.8						169	222	21	1.2	1.2	1.2			
	SIG	0	eP	06 48.9	(+)	(+)	(+)	S	1 29.0	20	19	10	1.6	1.6	3.2			
	NR	0	eP	06 49.5				eS	1 26.9	100	50		1.8	1.8				
	HKN	0	eP	06 57.4				S	1 29.1	111	81	32	1.4	1.4	1.5			
	NGY	0	P	07 02.9		-4	-2	S	1 32.9	59	121	36	1.0	1.0	1.2			
	SMT	0	iP	06 38.0	(-)	(-)	-1	S	1 8.0	31	22	16	3.6	3.2	1.9	eX	1.4	
16	UWJM	0	iP	07 38 27.8				iS	1.0									
16	NGY	0	P	09 50 55.6	+5	+5	-5	S	1 35.8	mm 37	mm 7	mm 1.4	5.0					
	HKN	0	eP	50 56.6				S	1 58.0	25″	2.75″	2″	18.8	18.8	16.4			
	TYOK	0	eP	51 04.6	(-)	(-)	(+)			2″	31″	12″	17.0	15.1	13.3			
	NR	0	eP	51 06.4						145″	18″	115″	21.6	22.6	19.0			
	MIZR	0	eP	51 08.4												eX	2 37.3	
	OWS	0	eP	51 11.0	+7	+5	-9	eS	1 30.4	470	418	320	10.2	16.0	15.2			
	OSK	0	eP	51 11.1						mm 7.3	mm 4.6	mm 2.2	5.1	4.2	16.5			
	SIG	0	P	51 11.4	(+)	(+)	-1	S	1 51.6	13″	26″	19″						
	KOB	0	eP	51 13.1				eS	1 50.0	215″	29″	22″	18.2	13.6	12.2			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	SMT	0	eP	51 13.8				S	1 54.4	mm 2	mm 15	mm 18	18.-	19.-	15.-			
	SMSK	0	P	51 15.7				S	1 56.5	35″	37″	11″	15.0	13.6	5.5			
	TTR	0	eP	51 15.9				eS	1 56.3	25″	45″	22″	18.2	14.7	15.1			
	HMJ	0	eP	51 16.2				eS	1 55.2	12″	14″	0.9″	14.7	14.3	14.3			
	OKYM	0	eP	51 18.0				eS	1 58.0	45″	7″	22″	16.0	18.0	15.0			
	WKYM	0	P	51 18.6				S	1 52.0	735″	130″	1″	6.4	8.1	9.6			
	YNG	0	P	51 20.0			(-)	eS	2 16.7	mm 17	19″	09″	21.8	15.6	20.0			
	TKMT	0	eP	51 20.7				iS	2 22	235″	345″	11″	14.8	15.3	14.8			
	MTE	0	eP	51 23.2				eS	2 13.0									
	TRGS	0	P	51 24.7												X	3 14.3	
	TKSM	0	eP	51 25.1				eS	1 55.8									
	MRTM	0	eP	51 28.0				S	2 24.0	mm 55	mm 22	mm 0.8	22.0	17.0	16.0			
	KOCH	0	iP	51 36.6			(-)	iS	2 11.7	28″	34″	19″	15.5	18.3	15.7			
	HMD	0	P	51 36.6	+2	+2	-3	S	2 24.1	16″	12″	21″	15.3	12.1	17.2			
	MTYM	0	eP	51 39.6				eS	2 13.0	395″	19″	155″	14.3	15.1	14.4			
	HRSM	0	P	51 43.0	+17	+24	-15	iS	2 5.2	285″	215″	175″	16.0	18.0	14.0			
	UWJM	0	eP	51 45.-						24″	21″	13″	15.-	14.-	16.-			
	SMZ	0	P	51 47.1		-2	+3	S	2 25.0	32	31	81	16.7	15.0	15.5			
16	NGY	0	P	11 03 09.4				S	1 15.6	13	15		2.0	2.0				
16	NGY	0	P	12 38 25.0				S	1 24.0	5	3		2.8	2.6				
16	NGY	0	P	13 18 55.0				S	1 28.0	5	5		3.4	2.8				
	OSK	0	eX	21 12.3						17	12	5	5.4	4.4	2.7			
16	NGY	0	P	14 33 51.4				S	1 38.6	4	3		3.0	2.2				
16	NGY	0	P	14 46 43.2				S	1 34.8	11	11		3.8	3.0				
	OSK	0	eX	48 42.-						25	23	9	6.0	4.2	3.6			
16	NGY	0	P	15 32 26.0				S	1 50.0	11	11	3	2.7	3.2	2.4			
	OSK	0	eX	32 40.-						31	28	8	6.2	4.1	3.3			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
16	NGY	0	P	15 38 33.0				S	1 54.6	30	33	12	32	32	38			
	SMSK	0	eP	38 44.5												eX	2 34.7	青森県
	OSK	0	eX	38 46.–						90	67	25	54	44	32			東方沖
	TYOK	0	P	38 58.8	(+)	(+)	(–)	S	1 36.5	18	14	8	12	12	58			E off
	SMT	0	P	39 06.0				eS	1 50.4	8	6	5	50	44	44			Aomori
	MRTM	0	eP	39 44.0						6	8	5	50	70	44	eX	2 2.0	pref.
	HKN	0	eX	40 30.2						17	17		29	29				41° 143° 40K
16	OSK	0	eX	16 32 22.–						15	11	4	43	45	24			
16	OWS	0	eP	16 39 01.0				eS	1 55.0	9	11	8	50	40	38			
16	NGY	0	P	16 51 01.0				S	1 28.0	14	8	3	28	26	20			
	OSK	0	eX	51 14.–						19	18	7	47	30	25			
16	NGY	0	P	17 21 55.0				S	1 31.0	5	6	2	24	24	24			
	OSK	0	eX	22 44.–						10	13		40	41				
16	NGY	0	P	17 47 47.2				S	1 35.4	8	5	2	26	24	18			
	OSK	0	eX	49 14.–						20	13	6	46	48	48			
16	NGY	0	P	18 00 10.6				S	1 28.8	37	27	14	30	28	30			
	HKN	0	eP	00 14.7						23	16	7	35	28	17	eX	1 35.2	青森県
	TYOK	0	P	00 21.3				eS	1 42.4	11	13	8	12	11	36			東方沖
	OWS	0	eP	00 22.5				eS	1 51.5	10	8	8	30	50	45			E off
	OSK	0	eP	00 25.9						90	63	28	40	50	34			Aomori
	SIG	0	P	00 26.7				eS	1 45.8	4	7	5	42	36	28			pref.
	MRTM	0	P	00 46.8				eS	2 7.2	8	8		58	50				
	SMSK	0	eP	00 48.3				eS	2 1.9	9	9		41	41				41° 142° 10K
	SMZ	0	eX	01 05.3						5	4	3	44	40	42	eX	3 13.9	
	SMT	0	eP	00 30.4				eS	1 49.8	7	7	5	48	46	58			
16	NGY	0	P	19 40 56.6	–8	–8	+8	S	1 30.6	mm 2	mm 2	281	30	60	30			
	HKN	0	iP	41 02.7	–28	–34	+35	S	1 43.0	" 15	800	900	18.8	23.5	16.5			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	MIZR	0	eP	41 07.2				eS	2 22.9									
	TYOK	0	P	41 10.2				S	1 42.4	600	400	500	123	13.4	17.5			
	NR	0	eP	41 10.4						750	750	550	17.4	5.4	17.2			
	OWS	0	eP	41 12.0	–3	–3	+4	eS	1 51.0	440	371	250	84	80	17.2			
	OSK	0	iP	41 13.1			+19	S	1 43.2	mm 4	mm 3	650	58	54	2.8			
	KOB	0	eP	41 14.0				eS	1 53.2	650	650	400	61	6.5	4.7			
	SIG	0	iP	41 14.8	+1	+1	–1	eS	1 43.4	175	256	214	11.0	15.8	17.4			
	TTR	0	eP	41 15.7				eS	1 52.8	950	500	450	14.0	17.0	14.0			
	HMJ	0	eP	41 16.9				eS	1 51.8									
	SMT	0	P	41 18.6	+1	+1	–1	S	1 48.6	324	235	198	15.4	10.0	7.0	iX	6.0	青森県
	WKYM	0	P	41 20.9				S	2 0.0	692	596	390	8.8	8.7	10.0			東方沖
	SMSK	0	P	41 22.7				S	2 7.8	2000	1600	1880	12.4	11.2	4.8			E off
	YNG	0	P	41 22.8	(+)	(+)	(–)	eS	2 9.5	400	400	200	13.7	13.7	15.8			Aomori
	OKYM	0	iP	41 24.0	(+)	(+)	(–)	S	1 56.0	300	270	270	12.0	14.0	10.0			pref.
	MTE	0	P	41 25.2	+5	+4	–8	eS	2 13.6									41°25′ 142°51′ 40Km
	TKSM	0	eP	41 26.0				eS	1 59.6									
	TKMT	0	eP	41 26.4				iS	1 55.6	400	850	300	15.1	15.5	15.1			
	TRGS	0	P	41 29.7				S	2 30.6									
	KOCH	0	eP	41 36.2			(–)	eS	2 10.5									
	MRTM	0	iP	41 36.6			(+)	S	2 4.4	283	347	330	5.0	6.0	16.2			
	HMD	0	iP	41 37.8	+5	+6	–7	S	2 8.3	248	153	190	5.5	12.4	13.3			
	HRSM	0	P	41 39.0	+1	+2	–1	S	2 2.0	359	306	260	18.0	21.5	18.0			
	MTYM	0	eP	41 41.3				eS	2 8.2	411	647	489	8.1	16.3	13.4			
	UWJM	0	eP	41 47.–						600	700	700	1.5	1.7	1.7	eX	2 14.–	
	SMZ	0	P	41 50.2	+2	+1	–2	S	2 19.8	254	263	120	6.4	6.7	5.4			
	HKN	0	eP	21 11 30.7						8	6		1.5	1.5				
	NGY	0	P	11 32.0				S	1 33.4	13	13	6	2.8	2.6	2.0			

Date	Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha	p~Pha. m s	Remarks
	OSK	0	eP	11 40.–						35	47	10	4.9	4.3	4.3			
16	OSK	0	eX	21 36 50.–						7	9		4.4	4.0				
16	OSK	0	eX	21 47 53.–						7	7		2.9	4.8				
16	WKYM	0	iP	22 13 24.6				iS	10	9	13		0.1	0.1				
16	NGY	0	P	22 28 01.0				S	1 31.0	8	4		2.6	2.0				
	OSK	0	eX	28 22.–						11	9		3.6	2.8				
16	HKN	0	eX	22 51 31.5						12	7		2.2	1.9				
	NGY	0	P	51 32.4				S	1 26.6	20	12	6	3.0	2.6	2.4			
16	OSK	0	eX	23 04 33.–						19	16	6	3.6	4.0	2.2			
	NGY	0	P	04 35.7				S	1 44.3	11	8	3	2.4	2.4	2.0			
16	NGY	0	P	23 54 46.2				S	1 28.6	5	5		2.8	2.8				
	OSK	0	eX	54 56.–						13	12		4.2	5.0				
17	NGY	0	P	00 22 34.0				S	1 32.6	6	4		2.8	2.6				
	OSK	0	eX	22 50.–						14	10		4.9	4.0				
17	HKN	0	eP	01 15 36.9				eS	1 56.0	69	44		3.4	3.0				
	NGY	0	P	15 43.0				S	2 10.0	106	122	34	2.8	2.8	3.0			
	NR	0	eP	15 43.6														
	OWS	0	eP	15 45.0	(–)	(–)	(+)	eS	2 9.0	18	15	15	4.2	4.0	8.0			
	TYOK	0	P	15 45.2	(–)	(–)	(+)	eS	1 34.2	31	25	33	14.4	17.3	13.2			
	KOB	0	eX	15 48.1														
	OSK	0	eP	15 50.0				eS	1 52.0	131	205	48	4.0	4.2	2.6			
	SMT	0	eP	15 50.7				eS	1 49.4	23	18	14	16.4	20.0	11.0			
	SIG	0	eP	15 52.0	(+)	(+)	(–)	eS	1 50.4	15	15	16	13.4	13.4	12.6			
	SMSK	0	eP	15 54.0				eS	1 55.0	19	20	6	15.5	14.1	3.3			
	WKYM	0	eX	15 59.8														
	OKYM	0	eP	16 00.0				eS	1 16.0	30	30	40	18.0	15.0	12.0			
	TKMT	0	eP	16 00.2				eS	1 51.8	37	20		17.7	16.7				

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Date	Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha	p~Pha. m s	Remarks
	MRTM	0	eP	16 09.0				eS	2 14.0	20	21	15	14.0	7.0	13.8			
	HMD	0	eP	16 15.2				eS	2 37.8	13	10	10	13.4	16.0	12.6			
	MTYM	0	eP	16 16.5				eS	2 2.3	27	24	16	16.0	18.0	13.8			
	HRSM	0	eP	16 16.7		+1		eS	1 57.2	30	24	18	15.0	14.2	13.0			
	SMZ	0	eP	16 22.8				eS	2 18.4	14	10	6	7.4	8.0	9.5			
7	NGY	0	P	01 23 46.0				S	1 24.6	24	14	7	2.8	3.4	2.6			
7	NGY	0	P	02 30 14.0				S	1 37.2	7	5	3	2.4	2.0	1.4			
	TYOK	0	eP	30 22.2	(–)	(–)	(+)			13	16		1.2	1.2				
	OSK	0	eP	30 29.–						24	37	6	7.0	4.6	3.3			
7	NGY	0	P	03 45 06.6				S	1 32.6	63	57	14	3.0	2.8	2.8			
	HKN	0	P	45 08.1						31	26		2.3	2.1				
	TYOK	0	P	45 16.5	(–)	(–)		S	1 36.4	38	25	13	1.2	1.2	2.9			青森県東方沖 E off Aomori pref. (40°45′ 142°20′ 40Km)
	NR	0	eP	45 17.1														
	OSK	0	eP	45 18.–				eS	1 45.–	88	93	28	4.0	5.0	3.5			
	SIG	0	P	45 22.2	+3	+3	–2	S	1 39.8	4	5	5	2.2	2.6	1.4			
	OWS	0	eP	45 23.0				eS	2 2.0	10	8	13	5.4	3.0	4.0			
	SMT	0	P	45 23.0				eS	1 42.2	7	6	5	5.6	3.2	4.2			
	WKYM	0	eX	45 28.1						7	4		1.8	1.8				
	MRTM	0	P	45 42.0				S	1 54.0	7	5		4.2	4.2				
	SMSK	0	eP	45 44.6				eS	2 16.2	10	16		3.4	3.0				
17	NGY	0	P	04 18 41.6				S	1 37.6	50	39	12	3.0	2.8	4.0			青森県東方沖 E off Aomori pref. (41°17′ 142°35′ 30Km)
	HKN	0	eP	18 41.9						29	32		2.5	1.8		eX	1 52.4	
	TYOK	0	P	18 50.5	+6	+7	–7			30	25	23	1.0	1.1	3.3			
	KOB	0	eX	18 52.0														
	OWS	0	eP	18 53.0						11	9	8	4.2	4.2	4.0	eX	2 24.6	
	OSK	0	eP	18 53.–						103	114	42	4.6	3.7	3.4			
	SIG	0	iP	18 57.0	–2	–2	(+)	S	1 41.3	7	15	8	3.0	3.2	2.6			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	WKYM	0	eX	19 030						7	6		13	13				
	OKYM	0	eP	19 050				eS	2 0.0	20	15	20	60	56	80			
	SMSK	0	eP	19 097				eS	2 35.5	11	13		36	46				
	MRTM	0	P	19 17.7				eS	2 17.3	10	9		58	70				
	HND	0	P	19 18.1	+2	+2	−2	eS	2 43	8	9	12	36	36	30			
	HRSM	0	P	19 230	−6	−5	+4	eS	2 12	7	7	7	40	40	38			
	SMZ	0	eP	19 305						7	5	3	42	50	46	eX	3 10	
	SMT	0	P	19 004	(+)	(+)	(−)	S	1 49.6	8	5	7	52	50	42			
17	OSK	0	eP	05 05 36.−						10	10		40	43				
17	NGY	0	P	05 24 120				S	1 43.6	44	44	18	28	26	26			
	HKN	0	eP	24 12.4				eS	1 41.7	25	18		31	21				
	TYOK	0	P	24 20.4	+4	(+)	(−)	S	1 33.7	16	20	8	12	13	64			
	OSK	0	eP	24 22.−				eS	1 52.−	87	108	36	52	48	32			青森県
	OWS	0	eP	24 225				eS	2 11	10	10	8	50	40	32			東方沖
	KOB	0	eX	24 241														E off
	SIG	0	iP	24 26.1	−1	−2	(+)	eS	1 43.3	5	10	6	2.6	22	20			Aomori
	SMT	0	P	24 306			(−)	S	1 49.3	10	7	7	60	52	46	iX	43	pref.
	WKYM	0	eX	24 321						6	4		12	12				
	OKYM	0	eX	24 360						12	10	15	40	46	30			41°2 142°4 0Km
	MRTM	0	P	24 466				eS	2 7.5	11	10	7	80	60	60			
	SMSK	0	eP	24 409				eS	2 3.5	19	16		48	44				
	HMD	0	eP	24 488				eS	2 16.1	5	5	7	30	29	31			
	SMZ	0	eP	25 014						6	4	4	46	50	50	eX	2 38.6	
17	OSK	0	eX	06 27 25.5						13	13		41	45				
17	NGY	0	P	06 28 07.7				S	1 33.7	5	6		28	26				
17	NGY	0	P	08 06 12.6				S	1 54.4	335	275	118	30	28	28			
	HKN	0	eP	06 29.9				S	1 46.6	215	190	87	47	37	50			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	HMJ	0	eP	06 30.0				eS	1 44.7									
	NR	0	eP	06 47.6						150	100	50	2.4	2.4	3.2			
	TYOK	0	P	06 50.7	(−)	(−)	(+)	S	1 37.6	155	122	132	14.9	15.9	14.0			
	OWS	0	eP	06 51.6	(+)	(+)	(−)	eS	1 44.4	60	83	55	11.0	9.0	10.0			
	OSK	0	eP	06 53.−				eS	1 36.−	600	450	153	6.9	5.1	3.0			
	KOB	0	eX	06 52.5				eS	1 47.3									
	MIZR	0	eP	06 52.9				eS	1 27.6									
	SMT	0	P	06 53.2				S	1 44.1	103	63	43	8.8	10.7	6.3	eX	15.6	
	TTR	0	eP	06 59.0				eS	1 44.0	250	250	200	14.0	15.0	14.0			
	WKYM	0	P	06 59.2				S	1 44.4	110	100	60	16.2	15.2	6.2			本 州
	SMSK	0	eP	06 59.8				eS	2 5.6	72	95	28	11.8	12.2	7.9			東方沖
	SIG	0	P	07 00.3	(−)	(−)	(+)	S	1 34.8	71	89	64	13.4	15.2	12.0			E off
	YNG	0	eP	07 04.6				eS	1 52.8									N
	TKSM	0	eP	07 05.0				eS	1 48.5									Honshu
	OKYM	0	eP	07 06.0				eS	1 54.0	70	65	75	16.0	20.0	14.0			
	TKMT	0	eP	07 06.8				eS	2 6.1	124	68	43	16.3	16.3	15.9			39°46′ 143°29′ 30Km
	TRGS	0	P	07 09.5														
	MTE	0	eP	07 10.6				eS	1 49.6									
	MRTM	0	eP	07 14.6				eS	2 19.5	66	62	36	8.0	6.0	6.8			
	HRSM	0	eP	07 20.8	−2	−2	+1	eS	1 56.0	97	98	60	13.8	14.9	13.1			
	KOCH	0	eP	07 21.7				eS	1 54.5									
	HMD	0	iP	07 22.8	+9	+16	−14	S	2 5.0	37	36	55	13.5	13.4	13.9			
	MTYM	0	eP	07 24.0				eS	2 3.0	123	105	113	16.0	16.4	13.6			
	UWJM	0	eP	07 31.−												eX	2 22.−	
	SMZ	0	P	07 30.6	−1	−2		eS	2 19.9	55	51	29	12.2	12.0	13.2			
	NGY	0	P	08 53 23.4				S	1 29.6	6	4		2.8	2.6				
	OSK	0	eX	54 20.−						10	11		4.5	5.8				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
17	HKN	0	eX	15 26 18.3						10	9	4	1.9	1.9	1.5			
	NGY	0	P	26 22.0				S	1 32.6	18	15	6	2.9	2.9	2.8			本州東方沖 E off N Honshu (34°, 144°, 40Km)
	TYOK	0	eP	26 41.6						6	7		1.1	1.3				
	OSK	0	eX	26 51.–						28	25	10	5.0	3.2	3.4			
	MRTM	0	eP	27 15.0				eS	2 3.0		5			7.0				
17	NGY	0	P	19 44 34.0				S	1 13.0	49	41	17	2.8	3.0	2.6			
	HKN	0	eP	44 34.2						31	22	8	2.7	2.7	2.5	eX	1 36.1	
	TYOK	0	eP	44 42.7	(–)	(–)				18	13	8	2.7	3.2	2.8			
	SMSK	0	eP	44 44.1				eS	2 9.2	9	8		3.3	3.3				
	NR	0	eP	44 45.1														
	SIG	0	P	44 51.9	(–)	(–)	(+)	eS	1 44.1									本州東方沖 E off N Honshu (34°, 144°, 40Km)
	SMT	0	P	44 53.0			(–)	S	1 46.2	11	6	7	6.0	4.0	5.2	eX	11.9	
	OKYM	0	eP	44 59.0				eS	1 56.0	12	9	10	4.0	3.0	5.0			
	OWS	0	eP	45 04.0				eS	1 31.0	7	6	6	4.0	5.0	4.4			
	OSK	0	eP	45 05.8				eS	1 46.–	87	83	22	5.3	4.0	3.4			
	TKMT	0	eP	45 11.4				eS	2 0.0	6	4		6.2	12.3				
	MRTM	0	eP	45 12.5				eS	2 5.5	7	9		8.0	9.0				
	HRSM	0	eP	45 13.–				eS	2 7.–	7	6	4	14.5	16.3	13.0			
17	HKN	0	eP	22 04 35.5				eS	1 45.0	15	13	12	1.6	1.5	2.2			
	NGY	0	P	04 36.5	+3			S	1 34.9	46	23	7	2.6	3.0	2.0			奇妙 東方 E of Aomori pref. (40°, 140°, 40Km)
	TYOK	0	P	04 43.9						21	31		1.2	1.2				
	OSK	0	eP	04 49.–						63	60	23	5.3	4.6	3.2			
	SIG	0	P	04 50.0	(–)	(–)	(+)	eS	1 45.2	4	8	5	2.0	3.0	3.2			
	OWS	0	eP	04 53.0				eS	1 47.0	7	6	5	4.0	3.8	5.0			
	OKYM	0	eP	04 59.0			(+)	eS	2 0.0	10	9	12	3.2	2.4	3.0			
	SMSK	0	eX	05 06.4						8	8		4.4	4.4				
	MRTM	0	eP	05 12.2				eS	2 5.9	7	7	5	4.4	4.4	5.0			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	NGY	0	P	08 58 28.6				S	1 22.7	5	6	3	3.0	2.6	2.0			
	OSK	0	eX	09 28 22.–						6	6		4.6	3.6				
	NGY	0	P	13 38 20.4				S	1 20.6	5	4		2.6	2.0				
	OSK	0	eX	40 06.–						7	8		5.4	3.8				
	NGY	0	P	13 47 46.8				S	21.2	4	5		0.8	1.0				
	NGY	0	P	14 21 26.0				S	1 23.0	6	6	3	2.6	2.6	2.4			
	OSK	0	eX	23 21.–						10	9		5.0	3.6				
	SMT	0	P	22 04 53.8				eS	1 50.0	5	5	4	4.2	3.4	3.2			
	NGY	0	P	23 55 02.0				S	1 34.9	12	8	2	2.6	3.0	2.0			
	OSK	0	eX	00 55 53.–						19	21	6	4.5	4.5	2.4			
	NGY	0	P	01 04 29.0				S	1 47.0	15	20	6	4.0	5.6	4.6			
	HKN	0	eP	04 33.1						16	9	4	4.2	2.4	4.6			
	TYOK	0	eP	04 34.8						13	19	17	12.2	13.6	14.0			
	SIG	0	eP	04 41.5	(+)	(+)	(–)	eS	1 47.4	12	11	5	13.6	13.8	13.0			本州東方沖 E off N Honshu (40°35′, 144°15′, 50Km)
	OSK	0	eX	04 49.–						63	91	16	5.9	5.0	4.0			
	OKYM	0	eX	04 50.0						4	6	10	5.0	13.0	14.0			
	SMT	0	eP	04 54.2				eS	1 53.0	12	8	7	15.7	10.1	11.0	L	3 0.–	
	SMSK	0	eX	04 55.1						10	9		5.3	5.7				
	HRSM	0	eX	04 58.2						12	9	6	13.4	12.2	14.1	eX	3 41.–	
	HMD	0	eP	05 03.4						8	8	5	14.4	14.6	14.4	eX	3 49.0	
	OWS	0	eP	05 04.0				eS	2 0.0	7	6	10	5.0	4.0	5.0			
	MTYM	0	eP	05 15.5				eS	2 6.0	12	8	7	13.3	12.4	13.6			
	MRTM	0	eP	05 23.9						11	12	8	9.0	7.4	11.0	eX	2 0.2	
	TKMT	0	eP	05 24.4				eS	1 58.1	11	8		15.0	15.0				
	SMZ	0	eX	08 16.0						8	7	5	11.6	10.0	11.7			
18	HKN	0	eP	03 18 52.4						17	13	7	3.2	2.0	1.9	eX	1 37.0	
	NGY	0	P	18 53.2				S	1 22.4	35	31	8	3.6	3.6	2.6			

Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)			Pha.	p~Pha.	Max. Amplitude Amp. (μ)			Period (sec)			Pha.	p~Pha.
				h m s	N	E	Z		m s	N	E	Z	N	E	Z		m s
	TYOK	0	eP	- 19 01.9				eS	1 38.5	13	14	5	1.1	1.1	3.6		
	OWS	0	eP	19 09.0				eS	1 48.0	4	5	5	2.5	3.0	3.0		
	SMT	0	eP	19 09.8				eS	1 43.7	9	7	7	6.6	4.2	4.3	eX	
	OSK	0	eP	19 09.8						69	94	21	4.8	4.3	3.9		
	SIG	0	P	19 10.8	(−)	(−)	(+)	eS	1 43.6	5	7	5	6.4	4.6	4.6		
	OKYM	0	eP	19 15.0				eS	1 56.4	6	7	5	6.0	4.4	4.0		
	SMSK	0	eX	19 17.7						5	6		4.3	4.0			
	HRSM	0	eX	19 29.−						6	5	4	16.5	14.6	13.9	eX	2 9.−
	HMD	0	eP	19 32.6				eS	1 59.4	4	5	5	5.0	4.2	4.0		
	MRTM	0	eP	19 35.1				eS	2 4.8	6	8	5	5.0	4.6	5.0		
18	OSK	0	eX	03 43 56.−						18	13		5.6	6.6			
18	NGY	0	P	03 44 22.0				S	1 27.0	3	5		2.6	3.4			
18	NGY	0	P	04 50 46.0				S	1 33.0	6	7		3.0	2.4			
	OSK	0	eX	52 08.−						7	8		4.0	4.4			
18	NGY	0	P	05 58 35.0				S	1 44.0	5	3		3.0	2.6			
	OSK	0	eX	58 39.−						17	14	5	5.8	4.7	3.0		
18	HKN	0	eP	07 38 16.1						10	7	4	2.2	1.8	1.5		
	NGY	0	P	38 19.2				S	1 20.8	17	13	5	2.8	3.0	2.6		
	OSK	0	eX	38 39.−						35	29	9	4.2	5.1	2.5		
18	OSK	0	eX	08 19 55.−						12	12		4.0	4.4			
18	TTR	II	P	16 22 27.5				iS	2.4								
18	SMZ	0	eP	23 13 12.6				eS	6.3	4	5	3	0.4	0.4	0.4		
19	HMD	0	eP	07 16 47.8				S	4.2	8	7	2	0.5	0.2	0.1		
19	NGY	0	P	13 13 37.3				S	52.3	84	106	27	3.6	3.0	4.6		
	OWS	0	eP	13 52.0						13	18	25	6.0	6.0	10.0	eX	2 10.2
	NR	0	eP	13 55.7													
	HKN	0	eP	13 56.7						45	48	30	2.6	2.9	3.7		

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Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)			Pha.	p~Pha.	Max. Amplitude Amp. (μ)			Period (sec)			Pha.	p~Pha.	Remarks
			h m s	N	E	Z		m s	N	E	Z	N	E	Z		m s	
OSK	0	eP	14 01.8						224	264	60	5.5	5.3	3.4	eX	1 41.−	
SMT	0	P	14 04.4		−2	+1	S	1 12.6	15	20	19	6.2	10.4	8.8			E off Kantō
WKYM	0	eX	14 13.1						19	14		5.0	4.2				35°26′ 142°26′ 90Km
SMSK	0	eX	14 13.2						22	25		8.3	8.0				
TKMT	0	eP	14 15.2				eS	1 29.3	16	11	2	9.7	9.7	11.0			
OKYM	0	eP	14 15.6				eS	1 45.4	10	16	14	4.6	5.4	10.4			
MRTM	0	eP	14 18.8				eX	1 34.2	16	19	15	13.0	7.2	16.0	iX	2 9.5	
SIG	0	eP	14 19.0	(+)	(+)	(−)	eS	1 28.8	12	13	11	5.2	11.8	4.8			
KOB	0	eX	14 24.−														
MTYM	0	eP	14 32.0				eS	1 38.3	14	18	21	7.3	10.5	10.3			
HRSM	0	eP	14 34.2				eS	1 32.8	13	10	7	5.0	7.6	11.3			
HMD	0	eP	14 35.2				eS	1 43.9	21	9	11	7.7	9.6	4.7			
TYOK	0	eP	15 05.8						44	33	25	7.9	8.7	4.1			
SMZ	0	eX	17 10.2						9	9	7	8.2	9.8	9.6			
HKN	0	eP	14 55 19.8						28	22	8	2.9	2.0	2.0			
NGY	0	P	55 21.0				S	50.4	50	44	13	2.8	2.8	2.6			
NR	0	eP	55 37.7														関東
OSK	0	eP	55 46.−						110	103	34	5.3	5.5	2.9			東方沖
SMT	0	eP	55 51.9				S	1 12.3	8	6	7	3.8	9.0	9.0			E off
TYOK	0	eP	55 57.2				eS	1 15.2	20	14	11	2.3	1.4	2.3			Kanto
MRTM	0	eP	56 06.5						5	7		4.0	7.0				
HMD	0	eP	56 07.6				eS	2 23.1	7	4	6	7.4	4.9	4.8			35°29′ 142°27′ 40Km
OWS	0	eP	56 17.0				eS	1 1.6	7	7	7	4.5	5.0	5.0			
WKYM	0	eX	57 22.8						9	4		1.8	1.8				
SMSK	0	eX	57 22.9						10	8		3.3	3.8				
NGY	0	P	00 06 17.0				S	1 48.2	6	4		2.8	2.6				
UWJM	0	iP	00 33 13.6				iS	7.0									

Date	Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha	p~Pha m s	Remarks
20	NGY	0	P	01 20 37.7				S	52.3	14	11	5	2.2	1.6	1.4			
	HKN	0	eP	20 45.3				eS	1 0.2	12	9	4	1.4	1.4	1.4			
	OSK	0	eX	21 14.–						22	24	9	4.0	4.4	3.0			
20	WKYM	0	iP	05 59 02.9				iS	0.4	11	9		0.1	0.1				
20	NGY	0	P	07 18 44.4				S	1 32.4	42	25	13	2.6	3.0	2.4			
	HKN	0	eP	18 44.7				eS	1 48.1	21	29	6	2.0	2.0	2.4			
	TYOK	0	eP	18 50.7						16	11	5	1.3	1.2	3.1	eX	40.–	本州東方沖 E off N Honshu (40°22′ 143°59′ 40 Km)
	OSK	0	eP	18 58.–						72	63	22	4.5	4.4	2.5			
	SIG	0	eP	18 59.0	(–)	(–)	(+)	S	1 42.1	4	6	3	4.4	4.8	4.0			
	SMT	0	P	19 01.0			(–)	eS	1 52.0	6	4	4	6.4	3.6	3.8			
	OKYM	0	eP	19 06.0				eS	2 3.0	5	2	5	2.2	4.0	4.4			
	MRTM	0	eP	19 17.1				iS	2 16.8		7			4.4				
	SMSK	0	eX	21 28.0						5	10		3.0	2.7	-			
20	NGY	0	P	11 33 25.6				S	1 44.4	4	6		2.0	2.4				
	OSK	0	eX	35 19.–						11	11		4.1	4.0				
20	NGY	0	P	12 18 09.4				S	1 26.2	29	19	12	2.6	2.4	2.6			
	HKN	0	eP	18 14.7						21	26	8	2.6	2.0	1.6			
	NR	0	eP	18 21.4														
	SMT	0	P	18 32.8				eS	1 53.4	5	4	4	5.0	4.4	5.0			
	OKYM	0	eP	18 39.3		(+)	(+)			2	2	5	4.0	14.0	12.0			
	TYOK	0	eP	18 25.1				eS	1 44.7	11	11	4	1.2	1.2	4.9			
	OSK	0	eP	18 48.–				S	1 54.–	47	69	22	5.1	4.7	2.2			
	MRTM	0	eP	18 56.5						5	5		6.8	7.0				
	SMSK	0	eX	20 40.4						4	6		2.2	2.8				
20	NGY	0	P	13 39 36.0				S	1 30.0	7	5		2.6	2.6				
	OSK	0	eX	40 30.–						12	12		4.4	4.9				
20	OSK	0	eX	14 39 45.–						10	8		4.2	3.4				

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Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha	p~Pha m s	Remarks
NGY	0	P	15 55 25.6				S	1 39.4	28	18	6	3.0	2.6	2.0			
HKN	0	eP	55 30.8						29	16	6	3.0	2.4	1.5			本州東方沖 E off N Honshu (40°22′ 143°59′ 40 Km)
TYOK	0	eP	55 41.3						11	11		1.0	1.3				
OKYM	0	eP	55 45.5						5	3	4	3.6	4.0	6.4	eX	2 3.7	
SMT	0	P	55 48.5				eS	1 48.5	8	4	3	6.2	7.0	5.0			
OSK	0	eP	55 55.–						62	57	14	4.6	5.0	2.7			
MRTM	0	eP	56 12.0						5	5		5.4	9.0		eX	2 27.4	
SMSK	0	eX	58 20.1						6	4		5.1	5.1				
OSK	0	eX	19 38 52.–						25	19	8	4.9	4.2	2.8			
SMT	0	iP	00 24 31.3	–1	(+)	–1	S	9.3	5	3	1	0.3	0.4	0.4			
OSK	0	eX	04 40 06.–						9	7		4.4	4.5				
OSK	0	eP	05 17 48.9						13	16	7	5.0	5.0	2.6			
NGY	0	P	06 13 03.6				S	2 19.6	16	22	7	2.8	2.8	2.8			
HKN	0	eP	13 06.5						24	15	30	16.4	17.3	16.0	eX	3 44.3	
TYOK	0	P	13 12.5	–3	–4	+4	S	2 42.7	50	54	35	16.6	16.6	15.2			
OSK	0	eP	13 15.–						94	92	24	5.0	4.8	15.0			
KOB	0	eX	13 16.3														
OWS	0	eP	13 18.8				eS	3 7.2	10	6	12	10.0	8.0	13.0			S of Kurile Is.
SIG	0	iP	13 20.0	(–)	(–)	(+)	eS	2 41.6	20	25	17	16.8	18.4	17.4	eL	5 48.–	
WKYM	0	eX	13 21.4						15	30	10	15.7	16.2	17.5			
SMT	0	P	13 23.0	–1	–1	+1	S	2 59.8	18	20	13	13.8	14.8	13.9	L	4 9.–	(44° 4′ 149°36′ 10Km)
SMSK	0	eP	13 25.1				S	3 16.5	21	16		4.2	5.9				
OKYM	0	eP	13 27.4				eS	2 35.8	15	19	20	17.0	17.6	17.6			
TKMT	0	eP	13 30.0				eS	2 46.3	27	29	9	18.4	19.0	18.6			
TKSM	0	eP	13 34.0														
HMD	0	P	13 41.2	–3	–3	+4	S	3 22.8	20	31	19	6.1	5.4	3.9			
HRSM	0	eP	13 42.7	–2	–2	+1	eS	3 25.0	34	20	16	16.6	17.9	18.3			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	P~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	P~Pha. m s
	MRTM	0	P	13 43.0				eS	3 9.0	20	25	22	13.0	14.2	17.0		
	MTYM	0	eP	13 44.8				eS	3 4.5	36	25	39	18.6	16.1	16.6		
	SMZ	0	eP	13 53.0				eS	3 33.1	25	23	12	5.8	17.3	15.5		
21	OSK	0	eX	09 23 20.–						7	7		4.0	3.2			
21	NGY	0	P	13 13 31.0				S	1 36.0	9	8	3	3.4	3.4	2.6		
	HKN	0	eP	13 34.2						6	10	4	1.9	1.5	1.9		
	TYOK	0	eP	13 42.7						11	9		1.1	1.2			
	OSK	0	eP	13 46.–						38	31	10	3.8	5.0	2.6		
21	NGY	0	P	17 23 19.4				S	2 32.1	12	11	4	2.6	2.4	2.6		
	HKN	0	eP	23 21.8						6	9	4	2.0	2.0	1.9		
	TYOK	0	eP	23 30.4				eS	2 51.1	15	19	11	17.4	18.0	17.2		
	SIG	0	eP	23 31.9	(–)	(–)	(+)	eS	2 49.8	7	9	7	18.0	3.6	3.6		
	OSK	0	eP	23 42.–						27	34	10	4.8	4.6	2.7		
	OKYM	0	eP	23 43.0				eS	2 52.0	3	6	6	18.0	18.0	18.0		
	SMT	0	P	23 44.0	(+)	(+)	(–)	eS	2 52.8	6	6	4	19.3	16.9	16.9		
	TKMT	0	eP	23 46.0				eS	3 14.0	9	11	11	17.8	18.8	18.0		
	SMSK	0	eP	23 50.8				eS	3 5.2	6	6		4.0	2.5			
	MRTM	0	eP	23 55.6				S	3 20.5	8	8	8	18.0	17.0	17.0		
	HMD	0	P	23 56.4	–1	–1	+1	S	3 21.0	5	8	10	19.3	5.2	3.6		
	HRSM	0	eP	23 59.6	+2	+2	–1	eS	3 22.1	11	6	5	16.8	19.4	17.0		
	MTYM	0	eP	24 01.3				eS	3 10.5	12	7	9	18.6	18.9	17.6		
	SMZ	0	eP	24 16.0				eS	3 29.0	8	6	4	6.0	18.4	4.2		
21	OSK	0	eP	19 56 45.–						16	16	5	4.6	5.1	5.0		
21	SMZ	0	iP	23 30 41.0		–1	–2	S	8.3	17	12	8	0.8	1.0	0.8		
	UWJM	0	eP	30 43.6				eS	9.3								
22	NGY	0	P	00 12 15.4				S	2 39.4	8	6	2	2.6	2.6	1.4		
	OSK	0	eP	12 31.–						13	26	6	3.4	4.6	2.8		

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Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	P~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	P~Pha. m s	Remarks
OSK	0	eP	00 30 30.–						12	13	4	4.7	5.5	3.6			
OSK	0	eX	03 51 29.–						5	7		3.9	4.0				
NGY	0	P	19 53 48.0				S	1 33.2	47	29	13	3.0	3.0	4.4			
HKN	0	eP	53 53.2						22	22	12	1.6	1.8	1.3			
TYOK	0	P	54 01.0	(–)	(–)	(+)	S	1 46.4	23	22	8	1.2	1.1	5.0			
OWS	0	eP	54 04.2				eS	1 50.8	13	11	10	5.0	6.0	4.2			
OSK	0	eP	54 04.2						110	110	37	5.6	4.4	3.4			青森県
SIG	0	P	54 06.7	(–)	(–)	(+)	eS	1 46.9	7	12	8	3.4	3.4	3.6			東方沖
SMT	0	eP	54 10.6				eS	1 57.0	9	7	6	4.2	4.2	5.0	iX	15.1	E off
OKYM	0	eP	54 14.8	(–)	(–)	(+)	eS	1 54.6	4	6	7	3.2	4.4	6.9			Aomori
WKYM	0	P	54 15.3				S	1 58.5	15	8	8	5.0	4.3	3.8			pref.
SMSK	0	eP	54 19.8				eS	2 10.9	15	13		4.0	4.3				41°26′ 143° 0′ 50Km
MRTM	0	iP	54 27.3			(–)	S	2 14.9	12	10	7	4.4	4.4	5.0			
HMD	0	P	54 29.4	–1	–1	+1	eS	2 2.4	5	5	5	3.6	4.2	3.6			
HRSM	0	eP	54 30.0				eS	1 56.5	6	7	5	4.0	3.9	3.6			
SMZ	0	eP	54 41.1				eS	2 46.7	7	4		6.0	5.4				
OSK	0	eX	00 53 46.–						7	6		4.4	5.6				
NGY	0	P	04 31 06.0				S	1 21.4	128	142	51	2.4	2.6	2.6			
HKN	0	P	31 09.8				S	1 26.0	114	82	32	3.2	3.0	2.1			
TYOK	0	eP	31 20.0				eS	1 31.4	36	26	20	1.2	1.2	4.4			岩手県
OSK	0	eP	31 20.7				S	1 46.0	247	251	106	4.5	4.4	3.3			東方沖
NR	0	eP	31 20.9				eS	1 33.8	100	100		3.2	3.4				E off
OWS	0	eP	31 23.5	(–)	(–)	(+)	eS	1 44.7	23	27	18	4.0	4.0	4.0			Iwate
SMT	0	eP	31 24.4				S	1 38.6	24	14	16	8	3.8	4.6	eX	16.3	pref.
KOB	0	eX	31 25.1														40°15′ 142°34′ 30Km
SIG	0	iP	31 26.7	–1	–1	+1	eS	1 43.9	10	9	14	3.6	5.0	4.6			
TKSM	0	eP	31 27.6				eS	1 44.4									

Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)			Pha.	p~Pha.	Max. Amplitude Amp. (μ)			Period (sec)			Pha.	p~Pha.
				h m s	N	E	Z		m s	N	E	Z	N	E	Z		m s
	WKYM	0	P	31 27.6				S	1 42.5	28	16	12	4.0	4.0	4.0		
	OKYM	0	eP	31 33.8	(-)	(-)	+3	eS	1 37.2	10	10	13	4.4	5.4	4.4		
	SMSK	0	eP	31 37.6				eS	1 59.9	29	42	13	3.3	3.3	2.6		
	MRTM	0	eP	31 43.0				S	1 54.1	23	25	15	4.0	6.0	5.0		
	HMD	0	P	31 49.0	-1	-1	+2	S	1 56.0	13	5	7	4.2	3.8	4.2		
	HRSM	0	eP	31 49.5				eS	1 58.0	10	7	4	4.1	4.1	4.9		
	MTYM	0	eP	31 50.8				eS	1 57.7	16	8	2	5.0	5.7	2.1		
	TRGS	0	P	32 39.5													
	SMZ	0	eS	34 09.0						10	6	6	4.5	4.7	4.5		
23	OSK	0	eX	07 32 34.-						12	16		4.8	4.4			
23	UWJM	0	iX	10 09 11.7													
23	TKMT	0	eP	16 31 39.3				eS	1 43.8	7	11	1	4.9	5.1			
23	SMT	0	P	20 41 59.1	(-)		(-)	S	7.5	7	5	2	0.3	0.4	0.6		
	WKYM	0	P	42 00.0				iS	1.1	18	15		0.1	0.1			
	OKYM	0	eP	42 30.0				iS	17.0	4	5		0.7	0.6			
23	NGY	0	P	23 27 32.6				S	1 32.2	9	8	2	3.1	2.8	2.6		
	OSK	0	X	27 56.8						23	14	5	6.6	4.2	2.2		
24	NGY	0	P	00 35 25.4				S	21.8	8	8	4	1.2	1.0	1.0		
	OSK	0	eX	35 56.-						6	7		2.5	4.8			
	HKN	0	eX	35 58.2						8	7	4	1.0	1.0	1.3		
24	SIG	0	eX	02 36 13.0						5	3	8	3.2	3.4	5.0		
	MRTM	0	iP	36 36.1			(+)			5		5	20.0		5.0	eX	2 9.0
	SMZ	0	eP	36 38.4						6	3	7	17.5	17.3	2.9	eX	10 24.6
	SMT	0	P	36 41.5			(-)	eS	10 30.1	4	3	6	19.0	5.4	3.6		
	OSK	0	eP	36 42.0						14	18	13	4.0	3.6	4.5	X	10 36.7
	HMD	0	eP	36 48.6						2	2	6	2.8	9.6	4.7	eX	10 22.8
	TKMT	0	eX	36 49.3						6	4		19.9	19.9		e	10 19.5

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Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)			Pha.	p~Pha.	Max. Amplitude Amp. (μ)			Period (sec)			Pha.	p~Pha.	Remarks
			h m s	N	E	Z		m s	N	E	Z	N	E	Z		m s	
OSK	0	X	07 00 13.8						7	6		5.6	4.2				
NGY	0	P	08 58 23.7				S	1 26.3	9	5	2	2.8	2.6	2.0			
OSK	0	X	58 58.2				L	22 49.-	28	18	5	5.7	6.0	2.9	eX	46 45.1	
NGY	0	P	23 08 15.6				S	1 34.0	88	83	22	2.8	3.0	3.4			
HYN	0	eP	08 19.8						52	46	18	4.3	4.3	15.2	eX	1 48.5	
KOB	0	eX	08 25.2														
TYOK	0	P	08 27.9	-4	-4	+4	eS	1 32.1	22	23	27	17.9	15.9	14.8			
NR	0	eP	08 28.9														
OWS	0	eP	08 30.8	(-)	(-)	(+)	eS	2 7.2	20	23	24	7.0	6.0	7.0			本州
WKYM	0	P	08 33.0				S	1 50.0	12	12		5.0	5.0				東方沖
SIG	0	P	08 34.5	-1	-1	+1	S	2 24.7	13	22	15	4.8	15.6	16.0	eL	3 7.-	E off
SMT	0	P	08 37.1	(+)	(+)	(-)	S	1 46.5	28	21	15	6.0	14.0	14.0			N
OKYM	0	iP	08 42.0	(-)	(-)	(+)	iS	1 58.0	12	15	20	3.0	7.6	5.0			Honshu
TKMT	0	eP	08 44.8				eS	1 50.1	17	11		14.0	16.0				(40°47′
SMSK	0	eP	08 45.4				eS	1 58.3	15	32	8	8.0	4.6	2.4			143°27′
MRTM	0	eP	08 51.8				eS	2 5.7	20	20	16	5.0	11.0	5.7			40Km)
HMD	0	P	08 57.2			+3	S	2 13.4	10	10	11	11.7	15.9	16.2	eL	3 31.5	
HRSM	0	P	08 58.8	+3	+6	-3	S	2 16.5	16	19	8	6.2	13.0	16.8			
MTYM	0	eP	08 59.0				eS	2 6.8	16	12	11	5.3	15.5	15.5			
SMZ	0	eP	09 08.8				eS	2 22.2	18	14	11	5.2	13.0	14.0			
OSK	0	eP	08 29.-						181	227	75	6.0	4.7	3.2			
HRSM	0	P	00 51 03.8	+1	(+)	+1	eS	5 38.5	2	7	1	3.0	5.0	3.0			
OSK	0	X	52 44.8						14	14	5	4.8	4.0	2.6	X	4 16.0	
NGY	0	P	06 36 46.4				S	1 41.6	5	3		2.8	2.6				
OSK	0	X	37 47.4						9	8		5.3	3.4				
NGY	0	P	20 54 39.6				S	1 35.2	29	27	8	2.8	2.8	2.4			
HKN	0	eP	54 45.6						15	16	7	2.3	2.3	1.8	eX	1 47.6	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	TYOK	0	eP	54 56.3				eS	1 34.7	6	7	5	15.5	12.6	5.5			
	SMT	0	P	55 02.2				eS	1 47.8	7	5	4	3.8	6.0	5.6			
	SIG	0	eP	55 04.0	+1	+1	−1	eS	1 43.5	5	7	8	4.4	4.6	4.6			
	OWS	0	eP	55 05.0				eS	1 50.2	8	8	5	4.4	4.4	4.2			
	SMSK	0	eP	55 20.4				eS	1 58.3	8	8		4.3	3.4				
	OSK	0	X	55 23.2						49	104	21	4.0	5.0	3.0			
	MRTM	0	eP	56 24.6						6	7	5	8.0	5.0	6.0	X	1 0.5	
25	NGY	0	P	23 21 19.6				S	1 45.4	7	6		2.8	3.0				
	OSK	0	eX	21 54.6						19	18	6	3.8	3.5	3.5			
27	TKSM	0	eP	08 07 05.6				iS	7.2									
	OKYM	0	eP	07 16.5				iS	14.3	8	8	2	0.3	0.7	0.5			
28	SMZ	0	iP	13 06 50.4	+4	+8	+7	iS	7.8	50	55	39	1.0	0.8	0.8			
	UWJM	0	eP	06 54.1				iS	12.2									
	KOCH	0	eX	07 04.0				eS	11.0									
	MTYM	0	eP	07 04.3				eS	18.7	18	26	3	0.6	0.7	0.8			
	MRTM	0	iP	07 10.4	(−)	(+)	+1	eS	25.6	5	6		2.6	2.4				
	HRSM	0	eP	07 10.7				iS	24.0	7	10	10	0.2	0.7	1.4			
	TKMT	0	eP	07 23.3				eS	31.1	11	15	5	1.0	1.2	0.6			
	HMD	0	eP	07 23.7				eS	24.9	5	5	4	1.2	2.9	2.2			
	SMT	0	eP	07 24.9				eS	38.1	5	4	3	2.3	2.2	2.8	eX	8.1	
	TKSM	0	eP	07 30.6				eS	30.5									
	SIG	0	eP	07 46.2				S	35.7	9	6	5	2.2	1.6	2.2			
	OSK	0	X	07 49.7						17	21	11	4.0	4.0	2.3			
	TYOK	0	eP	08 02.0						16	13		1.2	1.1				
28	SMZ	0	P	22 34 17.9	+2		+2			23	25	30	22.5	4.7	4.7	eX	5 37.5	
	MRTM	0	iP	34 19.5	(−)	+1	(−)	eX	5 18.5	23	26	25	22.0	5.6	20.0	eX	1 0.8	
	SMSK	0	eP	34 19.7				eS	5 40.0	51	27	14	19.4	7.4	25.0			

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Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
OWS	0	eP	34 23.5						19	8	22	19.0	19.0	20.4	eX	5 45.7	
MTYM	0	eP	34 27.3				eS	5 3.0	47	14	49	21.7	21.3	24.7			
SMT	0	P	34 27.9	+2	−1	+3	S	5 36.3	20	25	21	20.7	4.8	3.8	L	10 17.−	
TKSM	0	eP	34 28.0				eS	5 47.9									
TKMT	0	eP	34 28.0				eS	5 39.9	34	25		23.4	25.3		iL	8 28.8	
OSK	0	P	34 29.8			+6	S	5 39.8	158	254	68	4.5	4.5	3.5			
KOB	0	eX	34 30.6														New Guinea
OKYM	0	iP	34 31.2	(+)	(+)	(+)	eS	5 47.2	10	24	20	4.0	4.5	5.0			
HRSM	0	P	34 31.3	+1		+1	eS	5 48.0	37	20	23	31.3	29.3	34.0			2°54′ S 139°18′ E 65Km
WKYM	0	P	34 31.8				S	5 39.2	29	20	20	25.0	25.0	26.7			
HMJ	0	eP	34 32.3														
NGY	0	P	34 32.8				S	5 55.2	22	8	13	25.0	21.0	23.0			
HKN	0	eP	34 35.3				eS	5 51.5	35	35	23	30.4	29.1	29.4	eL	8 41.5	
HMD	0	P	34 35.7	+1		+2	eX	5 31.3	29	22	26	4.7	4.4	4.6	eX	1 35.7	
TYOK	0	P	34 38.5	(+)		(+)	eS	5 47.6	51	29	38	28.8	42.2	32.6	X	8 50.8	
SIG	0	iP	34 44.5	(+)	(−)	(+)	S	5 34.8	29	23	31	4.8	4.6	4.6	eL	8 59.−	
OSK	0	eX	17 58 06.−						12	9		6.0	6.0				
NGY	0	P	19 04 37.0				S	34.0	32	22	8	2.0	2.4	1.4			
HKN	0	eP	04 44.8						19	12	7	1.2	1.2	1.6			
OSK	0	eP	05 05.−				eS	54.−	32	25	15	3.8	4.0	2.6			
TYOK	0	eP	05 13.2						21	18		1.2	1.1				
HKN	0	eP	27 06.2						9	10		2.6	2.6				
NGY	0	P	27 13.4				S	2 15.8	7	6		2.8	2.4				北海道東方沖 E off Hokkaido
TYOK	0	P	27 15.2				S	2 38.7	8	10		17.4	15.5				
SIG	0	eP	27 20.5	−1	(−)	(+)	eS	3 15.1	4	5	5	3.2	3.4	3.4			43°39′ 149°59′ 60Km
SMT	0	P	27 23.8	−1	−1	+1	S	3 10.5	5	6	3	15.0	16.0	3.0	L	6 7.−	
HMD	0	eP	27 42.6				eS	3 12.4	5	6	9	3.2	4.5	3.0	eL	5 45.6	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s
	MRTM	0	eP	27 43.0				eS	3 18.0	5	5		15.0	17.0		L	36 26.0
	OSK	0	eP	27 27.–						29	23	7	4.6	4.0	2.8	X	3 51.–
30	MIZR	0	eP	18 50 07.2				iS	15.5								
30	NGY	0	P	19 07 39.1				S	5.6	3	7	2	0.6	0.4	0.4		
30	HKN	0	eP	19 50 02.6				S	9.7	19	18	6	1.0	1.0	0.7		
	NGY	0	P	50 02.6	+2			S	10.3	13	14	5	0.6	1.0	0.6		
	NR	0	eP	50 14.4				eS	17.1								
	TYOK	0	P	50 14.4				iS	22.4	33	31	17	0.5	0.5	0.5		
	OKYM	0	eP	50 30.0		(–)		eS	36.5	4	5	1	0.5	0.7	2.0		
	OSK	0	iX	50 38.4						9	10	7	3.0	1.6	2.0		
31	OSK	0	X	01 38 22.8							5			2.0			
31	KOB	0	eP	03 38 21.7				eS	1.5								
31	OSK	0	eX	04 54 50.–							5			4.7			
31	NGY	0	P	18 00 46.0				S	23.7	5	3	2	1.0	1.0	1.0		

International Seismological Centre

Report of Earthquakes—
—Station without seismograph.

昭和43年5月 May. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
2	Kawakami	川上	Nara	II	$10^h\ 40^m$	
	Ikehara	池原	〃	I	40	
3	Shirahama	白浜	Wakayama	I	08 02	
3	In-no-shima	因島	Hiroshima	II	22 26	heard
	Kake	加計	〃	II	27	
	Yoshida	吉田	〃	II	27	
	Matsunaga	松永	〃	I	25	
	Shōbara	庄原	〃	I	27	
	Fukuyama	福山	〃	I	27	
5	Shirahama	白浜	Wakayama	III	16 21	
	Gobō	御坊	〃	III	21	
	Hiki	日置	〃	III	21	
	Ichikano	市鹿野	〃	II	20	
	Shingū	新宮	〃	II	20	
	Shimosato	下里	〃	II	21	
	Kawakami	川上	Nara	I	22	
	Ikehara	池原	Hyōgo	I	22	
9	Gobō	御坊	Wakayama	III	18 55	
	Shirahama	白浜	〃	II	55	
	Kurisugawa	栗栖川	〃	II	55	
	Hiki	日置	〃	II	55	
	Kiyokawa	清川	〃	II	55	
	Chikano	近野	〃	I	55	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
	Kawakami	川上	Nara	I	h 55m	
	Ikehara	池原	〃	I	55	
	None	野根	Kōchi	I	55	
9	Gobō	御坊	Wakayama	II	21 47	
	Kibi	吉備	〃	II	47	
	Shirahama	白浜	〃	I	47	
9	Shingū	新宮	〃	IV	23 22	
	Shimosato	下里	〃	III	22	
	Hiki	日置	〃	III	22	
	Gobō	御坊	〃	III	23	
	Futatsuno	二津野	Nara	III	23	
	Kawakami	川上	〃	III	22	
	Soni	曾爾	〃	III	22	heard
	Ikehara	池原	〃	III	23	
	Yamato-shinjyō	大和新庄	〃	III	23	
	Ōuda	大宇陀	〃	III	22	
	Tondabayashi	富田林	Ōsaka	III	22	
	Rokutanji	六湛寺	Hyōgo	III	22	
	Minakuchi	水口	Shiga	III	22	
	Hachiman	八幡	〃	III	22	heard
	Shigaraki	信楽	〃	III	22	
	Kameoka	亀岡	Kyōto	II~III	23	
	Tarao	多羅尾	Shiga	II	22	
	Yuhi	油日	〃	II	22	
	Oyama	尾山	Nara	II	22	
	Tsuburo	津風呂	〃	II	22	
	Kibi	吉備	Wakayama	II	23	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
	Chikano	近野	Wakayama	II	h —m	
	Ryūjin	竜神	〃	II	—	
	Kurisugawa	栗栖川	〃	II	—	
	Kaibara	柏原	Hyōgo	II	22	
	Izushi	出石	〃	I	24	
	Shirahama	白浜	Wakayama	I	23	
	Saijyō	西条	Ehime	I	23	
	Kameoka	亀岡	Kyōto	I	23	
	None	野根	Kōchi	I	22	
10	Shingū	新宮	Wakayama	III	00 04	
	Chikano	近野	〃	II	05	
	Yamato-shinjyō	大和新庄	Nara	II	04	
	Ikehara	池原	〃	II	04	
	Kawakami	川上	〃	I	04	
	Gobō	御坊	Wakayama	I	05	
	Yuhi	油日	Shiga	I	03	
14	Gobō	御坊	Wakayama	I	06 21	
14	〃	〃	〃	II	23 06	
	Shirahama	白浜	〃	I	08	
18	〃	〃	〃	I	01 14	
19	Kake	加計	Hiroshima	II	07 17	
19	Takano	高野	〃	II	14 46	
23	Kiyokawa	清川	Wakayama	II	13 16	
23	Gobō	御坊	〃	I	18 27	
	Shingū	新宮	〃	I	35	
23	Kurisugawa	栗栖川	〃	III	20 45	
	Gobō	御坊	〃	II	42	heard

Date	Station			S.I.	Time (J.S.T)	Earthq Sound
	Shirahama	白　浜	Wakayama	II	h 42m	
	Rūyūjin	竜　神	〃	II	40	hear
	Shingū	新　宮	〃	I	41	

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Number of earthquakes

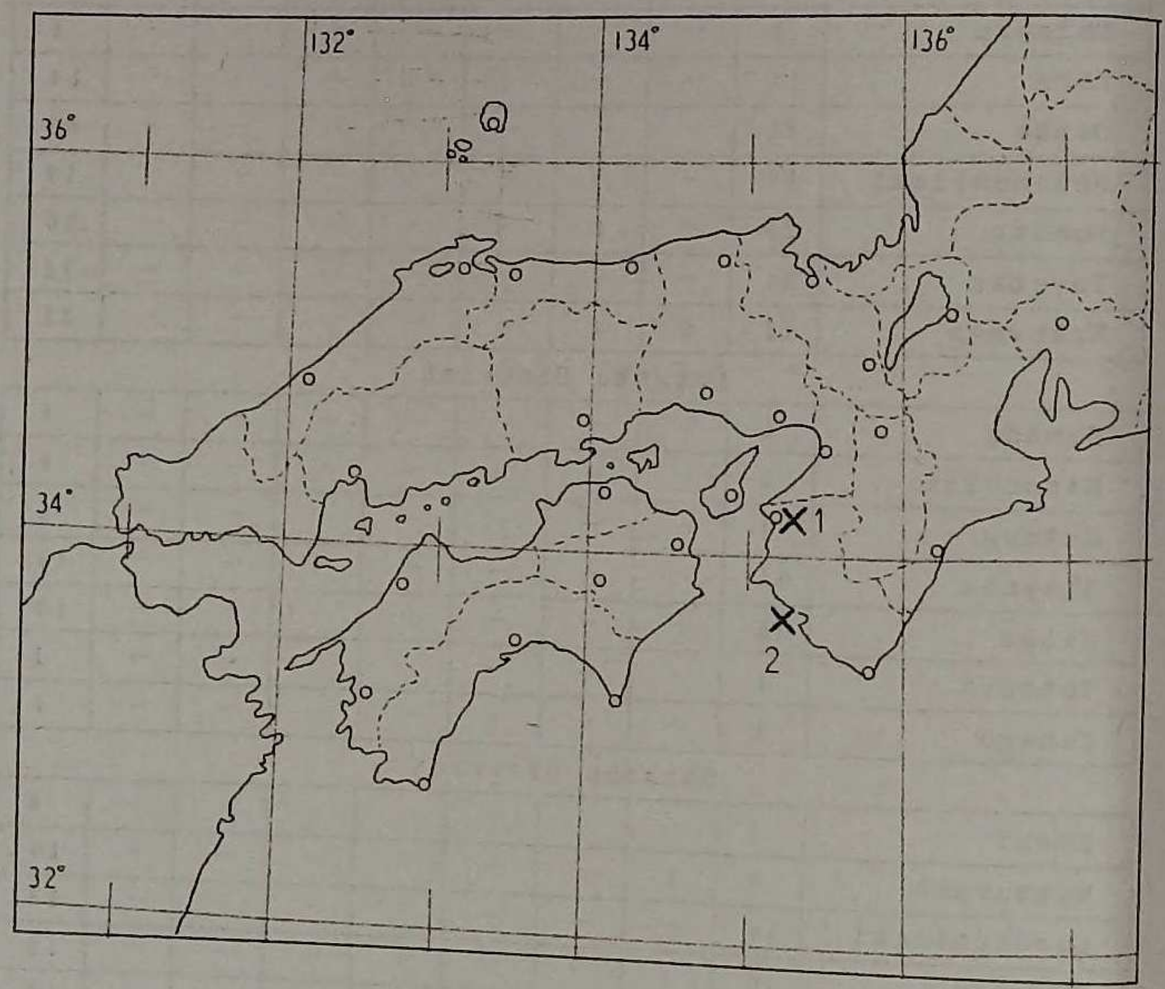
June. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	34	—	—	—	—	—	—	—	34
Himeji	1	—	—	—	—	—	—	—	1
Kōbe	8	—	—	—	—	—	—	—	8
Kyōto	19	4	—	—	—	—	—	—	23
Maizuru	1	—	—	—	—	—	—	—	1
Nara	14	—	—	—	—	—	—	—	14
Ōsaka	84	—	—	—	—	—	—	—	84
Shionomisaki	19	—	—	—	—	—	—	—	19
Sumoto	25	—	1	—	—	—	—	—	26
Toyooka	34	—	—	—	—	—	—	—	34
Wakayama	13	6	4	—	—	—	—	—	23
Chūgoku District									
Hamada	6	—	—	—	—	—	—	—	6
Hiroshima	6	—	—	—	—	—	—	—	6
Matsue	1	—	—	—	—	—	—	—	1
Okayama	14	—	—	—	—	—	—	—	14
Saigō	10	—	—	—	—	—	—	—	10
Tottori	1	—	—	—	—	—	—	—	1
Yonago	1	—	—	—	—	—	—	—	1
Shikoku District									
Kōchi	4	—	—	—	—	—	—	—	4
Matsuyama	9	1	—	—	—	—	—	—	10
Murotomisaki	18	—	—	—	—	—	—	—	18
Shimizu	10	—	—	—	—	—	—	—	10
Takamatsu	11	—	—	—	—	—	—	—	11
Tokushima	8	—	—	—	—	—	—	—	8
Tsurugisan	5	—	—	—	—	—	—	—	5
Uwajima	2	2	—	—	—	—	—	—	4

Remarks: Data containd in this report are ones whose maximum double amplitude exceeds 1mm on the record of electromagnetic, wiechert's and portable seismograph.

Epicenter of the major felt earthquakes, in west Honshu and Shikoku.

June. 1968



No.	Date	Origin Time (J.S.T.)	Epicenter Location	Lat.	Long.	Depth	Max. S.I.
1	8	$08^h 15^m$	和歌山付近 Near Wakayama	34°11′ N	135° 7′ N	0 Km	II
2	15	08 14	紀伊水道 Kii channel	33 40	135 16	40	II

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha	p~Pha m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha m s	Remarks
1	KYT	I	iP	02 34 43.2	(+) (−) −2	iS	2.3	14 14 5	0 0 0			
1	NGY	0	P	04 53 552		S	1 37.8	7 5 2	2.6 2.4 20			
	OSK	0	eX	54 20.—				14 12 5	4.0 4.0 2.8			
1	SMSK	0	eP	19 32 32.9		eS	1 45.9	6 6	3.4 3.0			
	NGY	0	P	33 29.9		S	1 19.3	23 25 8	3.0 2.8 2.6			岩手県
	HKN	0	P	33 33.2		eS	1 23.4	21 14 6	3.4 3.4 1.6			Off
	KYT	0	eP	33 37.5		eS	1 31.7	6 5 2	4.0 3.0 3.0			Iwate
	TYOK	0	P	33 40.4		S	1 30.1	9 16	4.2 1.7			pref.
	OSK	0	eP	33 45.—		S	1 40.—	60 65 22	4.3 4.5 2.8			
	MRTM	0	eP	34 07.5		eS	2 7.5	6 6	5.0 5.0			40°10′ 142°30′
	OWS	0	eP	34 45.3		eS	1 39.9	6 5 5	3.0 3.0 3.0			30Km
	SMT	0	P	34 46.2	(+)	S	1 41.8	7 5 4	5.8 4.6 3.6			
2	OSK	0	eX	17 03 25.—				7 9	4.9 4.7			
3	NGY	0	P	14 33 06.1		S	1 7.5	7 4 2	2.4 2.4 1.4			
	OSK	0	eX	34 39.—				9 9 4	5.6 4.0 2.8			
3	NGY	0	P	17 33 03.8		S	5 53.2	23 14 5	2.4 2.2 1.4			
	HKN	0	eP	33 20.3				12 11 5	1.3 1.3 1.2	eX	47.0	
	TYOK	0	eP	33 25.—				11 14	1.3 1.2			
	OSK	0	eX	33 46.9				31 31 13	5.2 5.2 2.5	X	1 38	
3	OSK	0	eX	18 25 15.—				6 8	3.2 4.2			
3	OSK	0	eX	23 22 22.—				6 7	4.0 3.2			
4	OSK	0	eX	22 23 58.3				12 13 6	3.4 2.6 2.9			
7	MRTM	0	eP	06 19 01.1		eX	1 51.0	6 5	4.0 5.0	eX	1 25.0	青森県
	NGY	0	P	19 11.2		S	1 32.8	28 26 9	2.7 2.8 2.9			東方沖
	HKN	0	eP	19 11.4		eS	1 36.3	13 10	3.1 2.7			E off
	TYOK	0	P	19 19.8		eS	1 40.4	10 11	1.2 1.1			Aomori
	OWS	0	eP	19 22.0		eS	1 43.0	6 6 6	5.0 4.0 5.0			pref.

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	OSK	0	eP	19 25.–		S	1 56.–	66	68	23	5.7	4.0	2.7			41°16′ 142°38′ 40Km
	SMSK	0	eP	19 44.5		eS	1 53.3	5	6		4.1	4.3				
7	MRTM	0	P	21 04 42.0		iX	1 44.1	6	6		16.0	16.2		eX	38.8	
	SMSK	0	eP	04 48.3				9	6		13.0	19.1				
	SMT	0	P	04 51.1	+1 +1 +2	eX	5 57.3	7	5	6	23.0	8.8	4.4	eX	8 0.0	
	OKYM	0	eP	04 51.8						5			5.0	eX	1 36.8	Celebes
	OWS	0	eP	04 53.6				2	5	4	3.0	5.0	6.0			
	OSK	0	eP	04 57.–				33	33	12	4.7	4.8	3.0			1°48′S 120° 6′ 20Km
	SIG	0	P	05 02.1	(+) (+)			5	5	7	22	10.0	6.0	eX	1 5.5	
	NGY	0	P	05 04.6		S	6 6.5	3	4	3	10.0	7.0	9.4			
	HKN	0	eP	05 05.1				7	4	3	2.5	2.7	2.5	eX	1 29.4	
	TYOK	0	eP	05 44.7		eS	5 18.6	7	7		213	17.4		X	8 22.6	
8	OSK	0	eP	07 48 24.–				15	16	5	4.4	4.2	3.4			
8	WKYM	II	iP	08 15 22.6	+38 +93 –27	iS	2.0	294	560	135	0.1	0.1	0.1			
	SMT	II	iP	15 25.6	–10 + 5 –11	iS	3.0	84	58	17	0.2	0.2	0.6			
	KOB	0	eP	15 30.8		iS	7.3									
	OSK	0	eP	15 30.–		S	10.–	51	53	22	4.2	4.4	3.5			
	TKSM	0	iP	15 31.2		iS	6.6									和歌山 付近 Near Wakayama
	NR	0	eP	15 35.2		eS	10.8									
	TKMT	0	eP	15 37.4		iS	11.8	32	15	12	1.1	1.1	1.1			
	SMSK	0	eP	15 39.0		S	11.5	13	8	11	1.0	1.0	0.8			
	OKYM	0	eP	15 41.0	(–) + 1 –1	eS	16.0	16	18	6	0.6	0.6	0.8			34°11′ 135° 7′ 0Km
	KYT	0	eP	15 41.5		eS	10.5	5	5	2	1.4	0.4	0.8			
	MRTM	0	iP	15 43.5		S	16.9	6	5		1.0	1.0				
	HKN	0	eP	15 47.3		eS	18.8	13	8	3	1.0	1.0	0.6			
	KOCH	0	eP	15 48.2		iS	17.9									
	NGY	0	P	15 57.0		S	21.6	5	3		3.4	2.4				

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
	MTYM	0	eP	15 57.6		eS	25.5	7 5 2	0.7 0.6 1.0			
	TYOK	0	X	16 04.0				20 23	1.2 1.1			
8	NGY	0	P	11 46 33.6		S	1 42.8	11 8 3	3.0 3.0 2.4			
	OSK	0	eX	47 07.–				24 20 7	4.1 4.9 2.8			
8	NGY	0	P	14 32 28.2		S	2 5.0	6 6 2	2.8 2.4 2.0			
	OSK	0	eP	32 45.–				15 14 7	3.6 4.2 2.5			
8	WKYM	I	iP	20 58 18.0		iS	1.1	22 11	0.1 0.1			
8	SMT	0	P	21 26 12.1	(–) (+) –1	S	7.2	6 3 1	0.3 0.3 0.3			
	SMSK	0	eP	26 14.5		eS	7.7	6 6	0.4 0.2			紀伊水道 Kii channel
	NR	0	eP	26 19.1		S	11.3					
	WKYM	0	P	26 21.5				34 38	0.1 0.1	iS	2.0	
	OSK	0	X	26 27.4				10 9	2.9 1.8			
	HKN	0	eP	26 32.0		eS	18.8	8 6 2	0.8 0.8 1.0			33°46′ 135° 0′ 50Km
	NGY	0	P	26 36.6		S	25.6	5 2	0.8 0.8			
	TYOK	0	iS	26 53.9				13 11	1.1 1.1			
9	WKYM	0	P	00 23 44.3		iS	0.1	14 12	0.1 0.1			
	SMT	0	P	23 47.6	(+) –1	S	3.4	6 3 1	0.3 0.3 0.3			
9	NGY	0	P	05 56 39.4		S	1 24.6	7 6	2.9 2.6			
	OSK	0	eP	56 58.–				11 13 5	5.6 3.6 2.0			
9	OSK	0	eP	06 44 08.–				12 10 5	3.8 3.7 2.8			
9	NGY	0	P	22 50 14.0		S	2 12.0	6 5	2.6 2.6			
	OSK	0	eX	50 29.–				15 17 5	5.2 4.6 2.5			
9	WKYM	I	iP	23 38 43.1		iS	0.3	11 13	0.1 0.1			
10	OSK	0	eX	03 01 40.–				9 7	2.8 4.0			
10	HKN	0	eX	11 50 09.2				8 4	1.3 1.3			
12	WKYM	II	iP	02 48 59.0								
	SMT	0	iP	49 00.8	–1 +1 –2	S	3.5	12 12 4	0.3 0.4 1.8			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	OSK	0	P	49 16.1		−2				21	16	7	3.8	3.9	2.2			
	TYOK	0	eP	49 23.3				eS	16.1	9	7		1.2	1.2				
12	WKYM	0	iP	04 20 31.0				iS	1.1	39	20		0.1	0.1				
12	TKSM	0	eP	17 44 02.3				iS	6.7									紀伊水道 Kii channel 34°10′ 134°37′ 20Km
	SMT	0	P	44 04.2	−1		−1	iS	8.7	14	5	3	0.4	0.4	0.4			
	TKMT	0	eP	44 08.3				eS	9.5	5	6	6	0.9	0.7	0.5			
	WKYM	0	iP	44 11.9				iS	0.1	20	26		0.1	0.1				
12	NGY	0	P	22 43 25.8				S	1 22.8	1500	1500	277	3.2	3.1	3.6			
	HKN	X	eP	43 30.0				S	1 23.6	514	471	327	5.6	6.0	6.3			
	KYT	0	iP	43 35.0			(+)	eS	1 29.5	139	130	85	7.5	8.0	6.0			
	MIZR	0	eP	43 37.4				eS	1 11.8									
	NR	0	eP	43 38.5						800	450	300	7.0	6.8	6.0			
	OWS	0	eP	43 39.0	(+)	(+)	(−)	eS	1 36.0	309	240	183	6.0	7.6	5.6			
	TYOK	0	eP	43 39.8				S	1 30.7	400	350	250	13.2	15.7	12.6			
	OSK	0	P	43 46.3			−20			3200	2750	450	5.3	5.8	2.5			岩手県沖 Off Iwate pref. 39°25′ 143° 8′ 0Km
	KOB	0	eP	43 47.5				eS	1 44.7	650	650	350	8.3	7.5	7.2			
	TTR	0	P	43 48.0				S	1 39.4	400	550	500	12.1	14.7	13.5			
	SMT	0	P	43 48.0			(−)	eS	1 39.4	331	218	188	9.2	12.2	7.8	iX	5.4	
	HMJ	0	eP	43 48.7				eS	1 47.9									
	TRGS	0	P	43 48.9				eS	1 29.7									
	SIG	0	P	43 49.6	(−)	(−)	(+)	S	1 44.2	195	243	183	13.7	13.9	14.1			
	SMSK	0	eP	43 50.5						235	341	233	6.0	6.0	4.3	X	2 27.8	
	TKSM	0	eP	43 53.9				eS	1 48.4									
	OKYM	0	eP	43 55.2	(+)	(+)		iS	1 56.4	290	230	240	10.4	10.3	10.0			
	WKYM	0	P	43 56.1				S	1 47.0	44	32	19	6.3	7.5	5.5			
	TKMT	0	eP	43 56.1				eS	1 50.9	550	550	200	13.4	15.9	5.7			
	YNG	0	eP	43 56.4				eS	1 52.2									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	MTE	0	eP	43 58.7														
	MRTM	0	P	44 05.1				eS	2 10.0	275	287	213	6.0	11.0	10.0	eX	2 32.0	
	HMD	0	P	44 11.9	+1	+2	−2	S	1 54.6	175	132	164	14.0	10.9	15.6	eX	15 23.5	
	MTYM	0	eP	44 12.3				eS	2 0.0	419	330	232	11.6	10.4	13.8			
	KOCH	0	eP	44 12.4				eS	1 57.5	700	900	300	8.5	8.7	6.8			
	HRSM	0	P	44 16.2	+5	+8	−4	S	2 0.7	419	341	181	15.0	15.2	15.5			
	SMZ	0	eP	44 19.4				eS	2 11.1	202	266	88	7.6	7.4	7.6			
	UWJM	0	eP	44 22.7						500	400	400	8.−	11.−	10.−	eX	2 21.7	
12	NGY	0	P	23 19 01.0				S	1 21.4	31	26	13	2.6	2.6	3.4			
	HKN	0	eP	19 07.0						16	17	17	2.3	1.5	1.7			
	TYOK	0	eP	19 16.8														
12	NGY	0	P	23 39 47.4				S	1 21.6	10	7	3	2.6	2.8	2.4			
12	NGY	0	P	23 45 44.4				S	1 21.0	10	7		2.8	2.4				
13	NGY	0	P	00 10 40.4				S	1 21.0	11	12	4	2.8	2.6	2.0			
13	NGY	0	P	00 25 38.0				S	1 10.0	11	10		3.0	3.0				
	OSK	0	eX	25 55.−						19	20	7	4.8	4.7	2.8			
13	NGY	0	P	00 50 36.0				S	1 20.0	18	12	5	2.6	2.6	2.6			岩手県沖 off Iwate pref. 39°18′ 143°12′ 40Km
	HKN	0	eP	50 40.0						10	11	10	2.0	1.9	1.8			
	TYOK	0	eP	50 51.3				eS	1 38.0	9	9	3	1.1	1.1	2.3			
	OSK	0	eX	50 56.−						30	30	13	2.7	6.0	2.4			
13	NGY	0	P	01 25 03.0				S	1 17.6	7	4		2.6	2.6				
13	NGY	0	P	01 31 02.0				S	1 24.6	13	7		2.8	2.4				
13	NGY	0	P	02 53 35.2				S	1 18.4	27	28	8	2.5	3.0	1.4			岩手県沖 Off Iwate pref. 39°9′ 143°6′ 40Km
	HKN	0	eP	53 40.7						17	29	27	2.0	1.6	1.9			
	TYOK	0	eP	53 50.8						15	21	8	1.1	1.2	1.7			
	OSK	0	eP	53 52.−						41	53	19	3.0	4.1	2.6			
13	NGY	0	P	03 50 31.0				S	1 15.4	9	6	3	2.4	2.2	2.4			

Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)	Pha.	P~Pha.	Max. Amplitude Amp. (μ)	Max. Amplitude Period (sec)	Pha.	P~Pha.	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
	OSK	0	eX	51 12.–				12 13 5	32 4.9 26			
13	NGY	0	P	03 57 32.6		S	1 19.2	12 8 3	2.2 2.8 1.4			
	OSK	0	X	58 15.–				19 18 7	4.6 5.0 3.1			
13	NGY	0	P	04 40 29.6		S	1 20.0	7 6	2.8 2.2			
	OSK	0	eP	40 32.–				14 12 5	3.6 4.0 4.0			
13	NGY	0	P	05 15 03.4		S	1 19.0	7 8 3	2.6 2.4 2.0			
	OSK	0	eP	06 15 41.–		S	1 42.–	22 28 9	3.3 3.1 2.6			
13	NGY	0	P	05 22 03.0		S	1 22.6	5 3	2.6 2.8			
13	NGY	0	P	06 59 14.0		S	1 15.8	88 74 36	2.6 2.8 2.8			
	HKN	0	eP	59 21.3		eS	1 22.9	56 49 44	2.3 1.5 1.5			
	TRGS	0	P	59 24.4								
	KYT	0	iP	59 25.2	(–) (–) (+)	eS	1 30.3	23 14 7	5.8 6.0 4.3			
	NR	0	eP	59 28.3								
	OWS	0	eP	59 29.4	(+) (+) (–)	eS	1 40.2	12 13 11	5.0 4.2 5.0			
	TYOK	0	P	59 30.6	–5 –9 +7	eS	1 31.9	36 45 15	1.1 1.2 3.3			岩手県沖
	OSK	0	eP	59 32.–		S	1 52.–	176 282 88	3.6 5.1 3.7			Off
	KOB	0	eP	59 34.3								Iwate
	SMT	0	P	59 36.7	(–)			20 17 13	5.8 4.4 7.2	eX	2 37.8	pref.
	SMSK	0	eP	59 40.0				22 28 11	5.1 4.7 2.7	X	2 17.8	39°19′
	TKSM	0	eP	59 40.2								143° 5′
	SIG	0	iP	59 40.8		S	1 35.2	14 13 14	4.0 5.8 5.2			40Km
	OKYM	0	P	59 45.0		eS	1 43.8	8 14 15	5.5 4.0 4.6			
	TKMT	0	eP	59 45.0				18 13	6.5 6.5	eX	2 23.2	
	MRTM	0	P	59 56.1		eS	1 57.9	31 25 11	6.2 5.2 6.0			
	HMD	0	P	07 00 02.0	–1 +2	eS	1 55.3	11 8 9	5.6 4.0 3.6			
	MTYM	0	eP	00 02.5		eS	1 55.5	23 7 6	5.1 8.4 3.6			
	HRSM	0	P	00 02.8	+3 +5 –3	S	1 52.9	16 15 6	16.5 16.0 22.7			

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Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)	Pha.	P~Pha.	Max. Amplitude Amp. (μ)	Max. Amplitude Period (sec)	Pha.	P~Pha.	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
13	OSK	0	eP	08 31 26.6				23 21 7	56 42 28			
13	KOB	0	eX	09 06 39.–								
	NGY	0	P	06 42.0		S	1 22.0	53 42 16	2.8 2.8 2.7			
	HKN	0	eP	06 47.5		eS	1 24.2	37 29 10	3.9 2.5 2.1			
	KYT	0	eP	06 47.7		eS	1 35.3	11 10 4	4.0 4.5 4.5			岩手県沖
	OWS	0	eP	06 54.5		eS	1 49.5	8 8 5	4.0 3.6 3.1			Off
	TYOK	0	eP	06 55.7		eS	1 32.3	15 21 8	1.4 2.0 2.0			Iwate
	SMT	0	eP	06 59.1				8 7 6	5.4 3.4 3.8	eX	36.7	pref.
	NR	0	eP	07 01.0								39°29′
	OSK	0	eX	07 06.–				102 170 47	4.8 4.6 4.2			143°15′
	OKYM	0	P	07 11.8		eS	1 43.4	5 4 5	4.0 4.4 4.6			40Km
	SMSK	0	eP	07 14.7		eS	2 0.7	8 6 3	3.4 2.9 1.9			
	MRTM	0	P	07 26.8		eS	2 9.3	6	4.4			
13	NGY	0	P	09 43 50.4		S	1 18.6	7 6 3	1.6 2.6 1.4			
	HKN	0	eP	43 54.9				8 12 10	1.7 1.5 1.6			
	TYOK	0	X	44 04.5				8 11 3	1.2 1.2 1.9			
	OSK	0	eX	44 18.–				15 15 7	4.0 2.9 2.0			
13	NGY	0	P	10 44 36.4		S	1 24.6	8 5 2	2.4 2.0 2.2			
	OSK	0	eX	44 54.–				8 8 5	3.2 3.8 2.6			
13	NGY	0	P	11 07 21.4		S	1 16.2	66 71 27	2.4 2.6 2.6			
	HKN	0	eP	07 26.3		eS	1 21.8	28 19 10	5.9 2.6 2.7			岩手県沖
	KYT	0	eP	07 27.0		eS	1 30.2	10 10 5	3.5 5.5 3.0			Off
	TYOK	0	P	07 35.0		S	1 35.0	14 8 7	5.9 3.1 7.7			Iwate
	OSK	0	eX	07 38.–				111 145 43	5.2 5.4 2.6			pref.
	OWS	0	eP	07 39.0		eS	1 41.4	10 7 7	4.8 4.6 3.8			39°25′
	SMT	0	P	07 41.7	(–)	eS	1 39.5	12 7 7	8.4 5.0 5.0			143°10′
	SIG	0	P	07 44.3	(–) (–) (+)	S	1 35.6	5 5 5	4.4 4.2 5.4			30Km

Date	Station	S.I	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
	NR	0	eP	07 48.2								
	OKYM	0	eP	07 51.6		eS	1 42.4	8 5 5	3.8 4.0 4.8			
	TKMT	0	eP	07 55.8		eS	1 49.3	7 6	5.7 7.6			
	SMSK	0	eP	07 56.2		eS	1 57.1	10 13 6	3.5 3.3 2.9			
	MRTM	0	eP	07 59.9				8 7 6	6.0 5.5 6.4	eX	2 15.1	
	MTYM	0	eP	08 05.4		eS	1 57.0	8 4 3	5.2 5.5 5.2			
	HMD	0	eP	08 06.6		eS	1 46.2	5 4 4	6.0 3.2 3.0			
13	NGY	0	P	17 49 47.4		S	1 20.6	21 19 8	2.6 3.0 2.6			
	HKN	0	eP	49 53.3				16 12 7	1.7 1.9 1.5			
	TYOK	0	eP	50 08.0				10 6	1.2 1.2			
	OSK	0	eX	50 11.–				47 47 22	4.5 4.0 3.2			
13	NGY	0	P	20 57 57.6		S	1 16.4	37 28 7	3.0 2.6 2.0			
	HKN	0	eP	58 03.9		eS	1 28.5	20 14 10	7.6 1.9 2.1			
	KYT	0	eP	58 09.0		eS	1 30.7	6 5 3	4.5 5.7 7.0			岩手県沖
	OWS	0	eP	58 11.8		eS	1 47.6	5 4 5	4.0 3.0 3.8			Off
	TYOK	0	P	58 15.2		eS	1 31.–	13 14 5	6.6 0.9 5.8			Iwate
	SMT	0	eP	58 16.6		eS	1 36.9	7 6 5	5.4 6.2 5.4	eX	4.4	pref.
	OSK	0	eP	58 22.–		S	2 56.–	120 98 23	4.8 5.2 4.7			39°14′
	SMSK	0	eP	58 29.0		eS	1 10.9	5 6	3.0 2.9			143°17′
	OKYM	0	eP	58 31.0		eS	1 49.0	5 3 4	5.2 5.0 5.2			40Km
	MRTM	0	eP	58 40.4		eS	1 57.8	5 6 5	6.0 7.0 6.0			
13	NGY	0	P	23 57 56.4		S	1 15.6	14 11 5	2.6 2.4 2.6			
	OSK	0	eX	58 30.–				23 24 7	5.0 2.4 2.8			
14	NGY	0	P	06 12 16.0		S	1 16.6	66 56 23	2.6 2.6 3.0			岩手県沖
	HKN	0	eP	12 17.8		eS	1 23.3	61 46 40	3.0 1.6 1.8			Off
	KYT	0	eP	12 23.0		eS	1 27.5	11 14 5	6.0 6.0 2.8			Iwate
	OWS	0	iP	12 25.5		eS	1 43.5	11 9 10	4.0 3.8 3.8			pref.

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N E Z	Period (sec) N E Z	Pha.	p~Pha. m s	Remarks
	TYOK	0	P	12 27.4		S	1 25.6	21 24 12	1.2 1.1 1.9			
	NR	0	eP	12 27.7								39°26′
	OSK	0	eP	12 29.6		S	1 52.4	128 177 55	5.2 4.5 2.4			143° 6′
	SMT	0	P	12 33.5	(–) (+)	eS	1 24.9	15 9 9	6.0 5.0 4.0			40Km
	SIG	0	P	12 36.1	(+) (+) (–)	eS	1 39.2	5 7 5	4.5 3.4 6.0			
	SMSK	0	eP	12 38.4		eS	2 8.9	13 11 3	3.1 2.6 1.9			
	TKMT	0	eP	12 40.5		eS	1 49.2	8 6	5.5 5.5			
	OKYM	0	eP	12 43.4		eS	1 44.6	6 6 6	3.8 4.0 4.0			
	MRTM	0	eP	12 50.5				9 13 7	3.9 4.3 6.0	eX	2 25.5	
	SMZ	0	eP	13 08.9				7 5	3.2 3.2	eX	2 33.2	
14	OSK	0	eX	08 41 53.–				8 7	3.0 4.4			
14	NGY	0	P	09 47 47.0		S	1 30.2	5 5	2.0 2.6			
	OSK	0	eX	48 49.–				10 9	4.4 3.4			
14	OSK	0	eX	10 01 45.–				8 6	3.2 4.4			
14	NGY	0	P	12 19 52.7		S	1 18.7	60 51 18	2.8 2.8 2.6			
	HKN	0	eP	19 57.3		eS	1 18.3	24 18 14	2.3 1.9 1.8			
	KYT	0	eP	20 03.0		eS	1 30.0	5 5 4	2.2 2.9 5.5			岩手県沖
	OWS	0	eP	20 07.4		eS	1 36.6	7 10 8	3.2 2.8 3.6			off
	TYOK	0	P	20 08.6	–3 –3 +4	S	1 30.2	13 12 8	1.0 1.0 2.7			Iwate
	SIG	0	eP	20 14.9	(–) (–) (+)	eS	1 35.9	3 5 3	5.6 10.2 4.4			pref.
	SMT	0	P	20 06.1	(+)	eS	1 32.0	9 5 6	6.4 7.4 4.6			
	OSK	0	eP	20 16.–		S	1 51.–	161 122 39	4.7 5.2 3.6			39°25′
	KOB	0	eX	20 18.–								142°57′
	SMSK	0	eP	20 27.1				10 11 3	3.7 4.1 1.9	X	2 16.1	20Km
	MRTM	0	eP	20 33.1		eS	1 54.1	7 7 5	4.0 5.8 7.0			
14	NGY	0	P	15 06 54.0		S	1 16.0	5 5	2.6 2.4			
	OSK	0	eX	08 43.–				7 7	3.0 4.4			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
14	NGY	0	P	20 54 13.0				S	1 14.6	42	39	11	2.4	2.6	2.4			
	HKN	0	eP	54 18.6				eS	1 21.5	14	10	7	2.6	3.6	2.1			岩手県沖
	KYT	0	eP	54 24.7				eS	1 41.3	5	3	2	4.5	4.5	4.5			Off
	OWS	0	eP	54 29.5	(−)		(+)	eS	1 44.3	5	4	4	3.8	3.0	2.6			Iwate
	TYOK	0	eP	54 30.5				eS	1 33.9	11	24	4	1.1	1.1	3.1			pref.
	SMT	0	P	54 36.9			(−)	eS	2 3.1	5	3	3	4.2	3.6	4.2			39°20′
	OSK	0	eP	54 40.–				eS	1 55.–	55	63	24	4.3	5.2	2.6			143° 7′
																		30Km
14	OSK	0	eX	21 21 36.–						10	11		4.2	5.0				
14	OSK	0	eX	22 28 54.–						8	7	5	3.4	2.4	1.9			
15	NGY	0	P	02 01 43.6				S	12.7	8	9	4	1.0	1.0	1.2			
	OSK	0	X	02 11.7						7			2.2					
15	WKYM	I	P	08 14 27.1				iS	7.1	74	41		0.1	0.1				
	SMT	0	iP	14 29.9	−2		−3	iS	9.1	17	6	2	0.4	0.3	0.8			
	OWS	0	eP	14 31.5				eS	10.5	14	13	5	0.5	0.4	0.4			紀伊水道
	TKSM	0	eP	14 32.2				iS	8.5									Kii
	TKMT	0	eP	14 35.0				eS	15.1	5	6	4	1.0	1.0	0.2			channel
	NR	0	eP	14 35.1				iS	11.9									
	OSK	0	eP	14 36.–				iS	8.–	9	16	5	2.4	1.7	1.6			33°40′
	KOB	0	eS	14 45.5														135°16′
	TYOK	0	eS	15 07.0						6	10		1.1	0.8				40Km
15	NGY	0	P	11 14 54.6				S	32.0	39	35	17	2.2	1.2	1.8			
	HKN	0	eP	15 01.0				S	34.6	42	31	11	1.2	1.2	2.0			新潟県
	KYT	0	eP	15 04.7				eS	43.3	8	7	2	1.6	1.8	1.3			南東部
	OWS	0	eP	15 07.5				eS	1 4.5	4	5	4	4.0	4.8	5.0			SE of
	NR	0	eP	15 10.5														Niigata
	OSK	0	eP	15 14.–				S	53.–	70	103	31	5.2	4.8	2.5			pref.
	TYOK	0	eP	15 18.5				eS	54.8	21	20		1.1	1.1				37° 9′
																		138°40′
																		10Km

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
	KOB	0	eP	15 20.2				eS	4.9.4									
	SMSK	0	eP	15 24.7				eS	1 7.6	8	8	3	2.0	2.0	1.5			
	SMT	0	eP	15 26.6				eS	5.2.5	6	4	4	4.2	4.8	3.0			
15	NGY	0	P	12 32 56.0				S	1 16.0	26	28	10	2.6	2.4	2.4			岩手県沖
	HKN	0	eP	32 58.4						12	10	3	2.1	2.5	1.8	eX	1 16.0	Off
	TYOK	0	eP	33 11.5				eS	1 30.8	8	9		1.1	1.1				Iwate
	OSK	0	eP	33 14.–				S	1 52.–	55	67	22	4.7	4.3	4.8			pref.
																		39°24′
																		142°59′
																		40Km
15	OSK	0	eX	15 01 35.–						17	20	8	4.4	4.2	2.7			
	NGY	0	P	01 46.4						6	6		2.6	2.8				
15	OSK	0	eX	19 32 46.–						8	9	6	2.2	3.2	2.7			
16	NGY	0	P	04 55 16.4				S	1 31.0	9	7	3	2.4	2.6	2.0			
	TYOK	0	eP	55 20.0						6	6		1.0	1.0				
	OSK	0	X	56 03.8						17	15	8	4.7	2.9	2.5			
17	UWJM	I	P	08 24 41.8				iS	5.2									
	SMZ	0	eP	24 44.7				iS	5.8	19	25	52	0.4	0.4	1.1			
	MTYM	X	eP	24 49.2				eS	11.3	4	7	1	0.6	0.6	0.6			
17	OSK	0	eX	16 11 01.–						11	10	5	4.4	4.8	2.9			
17	KYT	0	eP	20 54 41.0				eS	1 42.5	22								
	NGY	0	P	54 53.6				S	1 32.2									北海道
	HKN	0	eP	54 56.2				eS	1 37.2									南方沖
	TYOK	0	P	55 03.7	−5	−4	+5	eS	1 46.0									E off
	OSK	0	P	55 07.4			−6									X	2 19.1	N
	NR	0	eP	55 07.5														Honshu
	OWS	0	eP	55 08.7			(+)	eS	1 57.3	22	25	23	6.0	7.0	11.0			
	SIG	0	eP	55 10.8	(−)	(−)	(+)	eS	1 48.2	19	29	19	16.2	13.1	16.8	eL	2 19.–	40°56′
	TKSM	0	eP	55 13.4				eS	1 53.6									143°22′
	SMT	0	P	55 14.3				eS	1 54.1	32	26	27	19.7	17.3	11.9			10Km

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	TKMT	0	eP	55 17.6				eS	2 18.6	16	15		12.6	14.1				
	OKYM	0	eP	55 17.8	(−)	(−)	(+)			11	18	16	4.4	—	4.4	eX	2 18.6	
	KOB	0	eX	55 19.7														
	TRGS	0	P	55 22.1														
	WKYM	0	eX	55 22.3														
	SMSK	0	eP	55 26.9				S	2 14.7	27	32	11	4.0	4.8	2.4			
	MRTM	0	P	55 32.0				eS	2 14.0	25	27	20	15.0	19.8	15.0			
	HMD	0	P	55 32.8	−2	−2	+2	eS	2 1.2	14	11	14	13.7	15.3	14.8	eL	2 33.2	
	MTYM	0	eP	55 34.8				eS	2 9.5	17	24	24	13.6	17.9	15.5			
	HRSM	0	eP	55 35.0				eS	2 13.0	21	24	12	15.7	18.5	16.0			
	SMZ	0	eP	55 45.9				eS	2 24.7	21	17		13.7	13.4				
18	HKN	0	eP	01 58 10.8								7			2.4			三陸はるか沖 E off N Honshu 40°8′ 144°8′ 60Km
	NGY	0	P	58 11.4				S	1 21.6	22	13	8	2.8	3.4	2.6			
	KYT	0	eP	58 16.0				eS	1 33.2	5	4	3	7.0	7.0	7.0			
	TYOK	0	eP	58 20.8						9	11		11	10				
	OSK	0	eP	58 24.−						69	49	17	5.2	5.0	2.4			
	SMT	0	eP	58 28.6				eS	1 55.7	6	4	3	11.3	8.7	7.0			
	MRTM	0	eX	59 09.5							10			10				
18	OSK	0	X	03 19 06.2						12	13		4.5	4.0				
18	NGY	0	P	03 59 12.0				S	1 17.2	46	36	24	4.0	3.6	7.2			三陸はるか沖 E off N Honshu 38°38′ 144°13′ 40Km
	HKN	0	eP	59 12.0				eS	1 26.4	49	24	22	12.5	10.4	11.5			
	KYT	0	eP	59 16.0				S	1 28.0	17	13	8	11.5	4.5	8.5			
	OWS	0	eP	59 19.0			(+)	eS	1 44.0	17	15	15	6.0	7.0	11.0			
	TYOK	0	eP	59 23.3				eS	1 33.2									
	SMSK	0	eP	59 29.5						17	40		5.2	6.1		eX	2 22.7	
	SMT	0	eP	59 29.9				eS	2 9.5	25	15	14	9.8	12.5	8.7			
	SIG	0	eP	59 33.2	−1	+2		S	1 40.0	23	22	12	13.8	13.7	11.5			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	OSK	0	X	59 33.5						161	205	41	4.9	4.9	5.6	X	1 30.2	
	OKYM	0	eP	59 35.8				eS	2 7.0	12	2	9	11.4	13.0	6.8			
	HRSM	0	eP	59 52.3				eS	2 6.0	25	14	10	17.0	17.0	16.0			
	MTYM	0	eP	59 55.0				eS	2 1.5	22	13	10	13.8	16.1	13.1			
	MRTM	0	eP	59 56.1						18	19	12	8.6	14.0	10.2	eX	1 48.8	
	HMD	0	eP	59 57.1				eS	1 49.9	19	15	9	15.3	14.5	10.2			
	TKMT	0	eP	04 00 00.1				eS	1 48.6	23	13		14.5	13.6				
	SMZ	0	eP	00 04.8				eS	2 15.9	11	10		10.5	11.1				
	TRGS	0	P	00 07.0														
18	KYT	I	eP	12 14 39.5				eS	1.0	16	38	4	0.0	0.0	0.0			
18	WKYM	0	P	22 23 32.0				iS	1.1	10	6		0.1	0.1				
19	MGY	0	P	10 39 55.4	+3	+3	−3	S	1 18.6	46	51	23	3.0	2.8	2.0			
	HKN	0	eP	40 00.2				eS	1 22.0	28	22	18	2.4	2.0	1.8			岩手県沖 off Iwate pref. 39°27′ 143°11′ 50Km
	KYT	0	eP	40 05.7				eS	1 30.8	11	7	5	5.0	4.5	5.0			
	OWS	0	eP	40 09.6				eS	1 41.4	4	7	8	2.0	2.4	2.6			
	NR	0	eP	40 10.3														
	OSK	0	P	40 12.0			−4	S	1 51.8	68	97	41	3.0	4.8	2.4			
	TYOK	0	eP	40 12.1	(+)	(+)	(−)	eS	1 31.−	14	11	5	1.0	1.0	2.7			
	SMT	0	P	40 19.0	+1	+2	−1	eS	1 38.0	9	5	7	4.8	3.6	4.2			
	SMSK	0	eP	40 25.1						9	7	3	3.4	3.0	1.9	eX	2 1.0	
	OKYM	0	eP	40 26.4				eS	1 47.0	5	3	5	4.0	4.4	4.8			
	MRTM	0	eP	40 35.3						8	8		3.0	4.0				
19	OSK	0	eX	17 34 09.−						11	13		4.9	3.7				
20	OSK	0	eX	03 06 17.−						9	8		3.2	2.4				
20	OSK	0	eX	17 18 39.−						8	11		3.9	3.4				
21	NGY	0	P	02 49 49.0				S	23.8	6	7	2	1.2	1.0	1.0			
	OSK	0	X	50 54.8						9	10		4.4	4.0				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
21	OSK	0	eX	04 09 15.–						7	8		42	45				
21	NGY	0	P	08 14 55.6				S	6.8	13	13	5	0.6	0.4	0.4			
	HKN	0	eP	15 04.0				S	14.5	7	8	4	0.5	0.5	0.4			
22	WKYM	II	iP	01 42 17.6				iS	0.4	190	192		0.1	0.1				
	SMT	0	iP	42 21.8	(–)	+1	–1	S	3.7	7	3	1	0.4	0.7	0.3			
	OSK	0	iX	42 34.9						6	6	4	4.0	3.0	3.2			
22	OSK	0	iS	07 06 52.3						9	5	5	0.6	1.6	0.2			
22	NGY	0	P	10 14 24.4				S	1 42.8	47	47	21	3.2	3.2	3.0			
	HKN	0	eP	14 28.0						27	29	12	3.8	6.2	3.6			
	KYT	0	eP	14 34.8				eS	1 41.0	15	11	5	7.3	6.0	4.0			
	NR	0	eP	14 35.6														
	TYOK	0	eP	14 37.4				eS	1 48.9	21	30	8	1.2	1.2	7.6			
	OSK	0	P	14 39.0			+2	S	2 4.2	180	123	41	4.7	4.9	3.4			
	OWS	0	eP	14 40.5				eS	2 15.7	13	11	9	5.0	4.8	5.0			
	SMT	0	P	14 45.7			(–)	eS	1 51.6	19	10	7	7.4	6.6	4.2			
	SIG	0	P	14 45.9	(–)	(–)	(+)	eS	1 42.7	9	10	6	5.7	13.1	5.0			
	SMSK	0	eP	14 47.1				eS	2 6.7	12	12		3.3	4.0				
	OKYM	0	eP	14 51.8				eS	2 10.6	7	6	7	5.0	5.2	5.8			
	WKYM	0	eX	14 53.8						16	13		5.5	5.9				
	TKMT	0	eP	14 57.3				eS	2 52.0	12	10		15.6	13.5				
	MRTM	0	eP	15 01.2						8	14	9	5.2	6.8	6.9	iX	2 7.6	
	HMD	0	P	15 07.9	–1	–1	+1	eS	1 56.5	6	5	5	13.6	11.5	11.9	eL	3 14.5	
	HRSM	0	eP	15 08.0				eS	2 4.5	11	9	4	16.7	12.2	16.0			
	MTYM	0	eP	15 09.5				eS	2 7.5	10	11	7	13.8	17.6	13.5			
	SMZ	0	eP	15 17.1						10	9	4	5.7	6.1	6.2	eX	2 48.9	
	TRGS	0	eX	17 30.0														
22	OSK	0	iX	19 09 22.2						15	30	9	4.0	2.4	2.6			

三陸はるか沖 E off N Honshu 40°20′ 143°54′ 70Km

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p~Pha. m s	Remarks
22	SMT	0	iP	20 08 43.6	(+)	(–)	+3	iS	37.7	5	6	3	1.4	1.8	0.8			
	OWS	0	eP	08 44.0				eS	37.4	3	6	2	2.0	2.0	0.8			
	NR	0	eP	08 44.2				S	36.8									
	HKN	0	eP	08 44.5				S	38.8	13	32	6	1.6	1.4	1.1			
	SMSK	0	eP	08 45.0				S	39.1	6	11		1.5	2.2				
	TYOK	0	iP	08 46.2			+3	iS	39.6	14	9	3	1.3	1.3	0.6			
	NGY	0	P	08 47.6				S	39.6	3	6		2.0	2.2				
22	UWJM	I	P	23 03 46.4				S	6.4									
	MTYM	I	iP	03 47.0	+1	+3	+3	iS	7.0	45	43	14	0.6	0.7	0.4			
	HRSM	0	P	03 52.1				S	10.7	8	9	6	0.2	0.2	0.2			
	KOCH	0	eP	03 53.6												eX	11.3	
	SMZ	0	eP	03 56.5				S	14.1	5	8	5	0.6	0.6	1.0			
	OKYM	0	eP	04 05.0				iS	21.4	8	6	1	0.5	0.5	0.6			
23	MRTM	0	iP	07 04 28.2				iS	9.1	8	7		0.4	0.5				
	KOCH	0	iP	04 28.7	–4	–2	–4	iS	7.7									
	SMZ	0	eP	04 29.9				eS	6.9	16	5	5	1.0	0.8	0.8			
	UWJM	0	eP	04 38.–				S	7.–									
	MTYM	0	eP	04 41.0				eS	7.8	6	6	1	0.7	0.7	0.4			
	TKMT	0	eP	04 41.7				eS	15.5	4	8		1.3	1.3				
	TKSM	0	eP	04 43.1				eS	12.7									
	OKYM	0	eP	04 47.0				eS	26.0	6	8	2	0.6	0.6	–			
	TYOK	0	eP	05 16.7				eS	30.3	8	7		1.2	1.2				
	OSK	0	X	05 24.–						6	5		2.6	3.0				
23	WKYM	0	P	08 23 11.8				S	0.3	7	12		0.1	0.1				
23	OSK	0	eX	14 23 16.–						8	8		3.6	5.1				
24	OSK	0	X	01 50 30.–						4	5		4.8	3.6				
26	WKYM	I	iP	00 41 19.0				iS	0.8	42	25		0.1	0.1				

青森県東方沖 E off Aomori pref. 41°28′ 143° 4′ 30Km

土佐湾 Tosa Bay 33° 2′ 133°36′ 20Km

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	P~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	P~Pha. m s	Remarks
26	WKYM	I	iP	00 50 05.2				iS	08	55	40		0.1	0.1				
26	HKN	0	eP	08 35 05.0						10	9	5	6.4	4.3	1.4	eX	1 38.0	
	NGY	0	P	35 09.4				S	1 24.2	21	13	6	2.6	2.6	2.4			
	OSK	0	eP	35 27.–				S	1 55.–	42	29	12	3.5	5.4	3.0			
	TYOK	0	eS	36 00.7						6	7		1.0	1.0				
26	KYT	I	eP	16 11 19.0				iS	1.6	15	15	2	0.2	0	0.7			
26	NGY	0	P	19 25 51.3				S	1 38.1	28	18	6	2.6	2.8	2.8			
	HKN	0	eP	25 53.9				eS	1 41.9	9	13	10	2.5	1.8	1.7			
	KYT	0	eP	26 00.0				eS	1 50.0	6	5	4	2.1	2.1	1.8			北海道
	NR	0	eP	26 02.8														南方沖
	TYOK	0	P	26 02.9				S	1 43.9	13	9	7	1.2	1.2	3.7			S off
	SIG	0	iP	26 07.2	–1	–1	+1	eS	1 40.0	5	9	8	2.0	2.4	1.8			Hokkaido
	OSK	0	P	26 08.6			+10			61	65	24	4.4	4.6	3.4			
	OWS	0	eP	26 09.0				eS	2 13.0	4	6	8	4.0	3.8	4.0			41°54′
	SMT	0	P	26 12.0	(+)	(+)	(–)	eS		6	3	3	4.4	3.6	5.0	eX	3.0	142°49′ 40Km
	SMSK	0	eX	26 18.9							8			3.8				
	MRTM	0	iX	26 28.3						5	5		5.2	5.2		eX	3 23.7	
26	SMZ	0	eP	23 35 03.8				eS	4.3	9	10	7	0.2	0.3	0.2			
27	WKYM	I	iP	02 49 26.9				iS	1.0	7	7		0.1	0.1				
28	OSK	0	eX	02 14 21.–						8	7	4	5.0	3.4	2.2	eX	1 4.–	
28	WKYM	0	P	02 34 41.3				iS	0.6	8	5		0.1	0.1				
28	OSK	0	eX	06 58 22.–						7	7		3.5	3.0				
28	OSK	0	eX	11 15 29.–						5	4		4.8	3.6				
28	WKYM	II	P	12 04 45.5				iS	4.9	96	74	50	0.2	0.2	0.1			
	SMT	0	iP	04 51.0	–3	+2	–3	eS	3.0	7	3	3	0.2	0.2	0.2			
28	OSK	0	eX	18 33 02.5						5	5		3.6	3.0				
28	OSK	0	eX	18 45 25.–						7	12		3.3	4.4				

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	P~Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	P~Pha. m s	Remarks
	NGY	0	P	45 54.0				S	1 18.4	6	5		2.8	2.6				
28	NGY	0	P	23 26 06.0				S	1 30.0	8	7		2.5	3.2				
	OSK	0	eX	26 29.–						18	26	6	5.6	4.2	2.8			
29	OSK	0	eX	13 23 23.9						6	5		4.0	3.4				
29	OSK	0	eX	17 14 03.–						6	5		4.2	4.9				
29	KYT	I	eP	17 52 02.9				iS	1.4	12	11	3	0.2	0	0			
29	NGY	I	P	19 33 09.8				S	5.0	7.2	4.1	1.7						
	HKN	0	eP	33 10.3				S	5.8	10	18	8	0.7	0.7	1.0			
	KYT	0	eP	33 19.2				iS	11.0	4	11	2	0.6	0.3	0.7			
30	WKYM	0	P	05 00 49.5				iS	1.1	4	7		0.1	0.1				
30	WKYM	0	P	05 01 24.6				iS	1.1	11	16		0.1	0.1				
30	TKSM	0	eP	08 42 32.2				iS	2.0									
30	WKYM	0	P	12 13 41.9				iS	1.9	16	15		0.3	0.3				
30	SMZ	0	eP	12 25 23.6				S	8.4	6	4	3	0.6	0.4	0.6			
30	OSK	0	eX	18 40 35.–						13	13	6	4.2	4.3	3.6			
30	NGY	0	P	20 04 08.1				S	28.7	5	6		2.0	1.4				岐阜県北部
	HKN	0	eP	04 09.0				S	30.0	17	8	3	1.1	1.1	1.1			N of Gifu pref.
	KYT	0	iP	04 12.0			–2	S	31.3	6	2	1	1.3	1.3	0.8			36°6′
	OSK	0	P	04 15.2			–2	S	34.8	13	8	4	2.2	2.4	2.4			137°9′ 260Km
30	HKN	0	eP	23 50 14.6						8	6	3	4.1	1.8	3.0	eX	1 13.1	宮城県沖
	NGY	0	P	50 15.4				S	1 12.0	15	12	5	2.4	2.6	2.4			Off Miyagi pref.
	TYOK	0	eP	50 26.–				eS	1 23.–	4	7		1.1	1.1				38°46′
	OSK	0	eX	50 36.–						30	29	9	3.3	4.7	2.8			142°40′ 40Km

Report of Earthquakes—

—Station without seismograph.

昭和43年6月 June. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
1	Gobō	御　坊	Wakayama	I	$13^h\ 03^m$	
1	〃	〃	〃	I	18 08	
4	〃	〃	〃	II	15 15	
8	Kibi	吉　備	〃	II	08 15	
8	〃	〃	〃	II	21 26	
	Gobō	御　坊	〃	II	25	
	Kiyokawa	清　川	〃	II	28	
	Shirahama	白　浜	〃	I	26	
8	Tondabayashi	富田林	Ōsaka	I	23 22	
10	Kibi	吉　備	Wakayama	I	21 03	
11	Shirahama	白　浜	〃	I	04 56	
12	Kibi	吉　備	〃	II	02 48	
15	〃	〃	〃	I	08 14	
	Kurisugawa	栗栖川	〃	II	14	
	Gobō	御　坊	〃	II	24	
17	Nakamura	中　村	Kōchi	I	08 24	
22	〃	〃	〃	I	07 50	
22	Kake	加　計	Hiroshima	II	23 05	
	Kure	呉	〃	I	04	
25	Kibi	吉　備	Wakayama	I	11 02	
26	Shirahama	白　浜	〃	I	07 02	heard

International Seismological Centre

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Centre

大阪管区

地震月報

昭和43年7/8月

THE MONTHLY REPORT OF EARTHQUAKES

July
August 1968

大阪管区気象台
The Osaka
District Meteorological Observatory
Japan

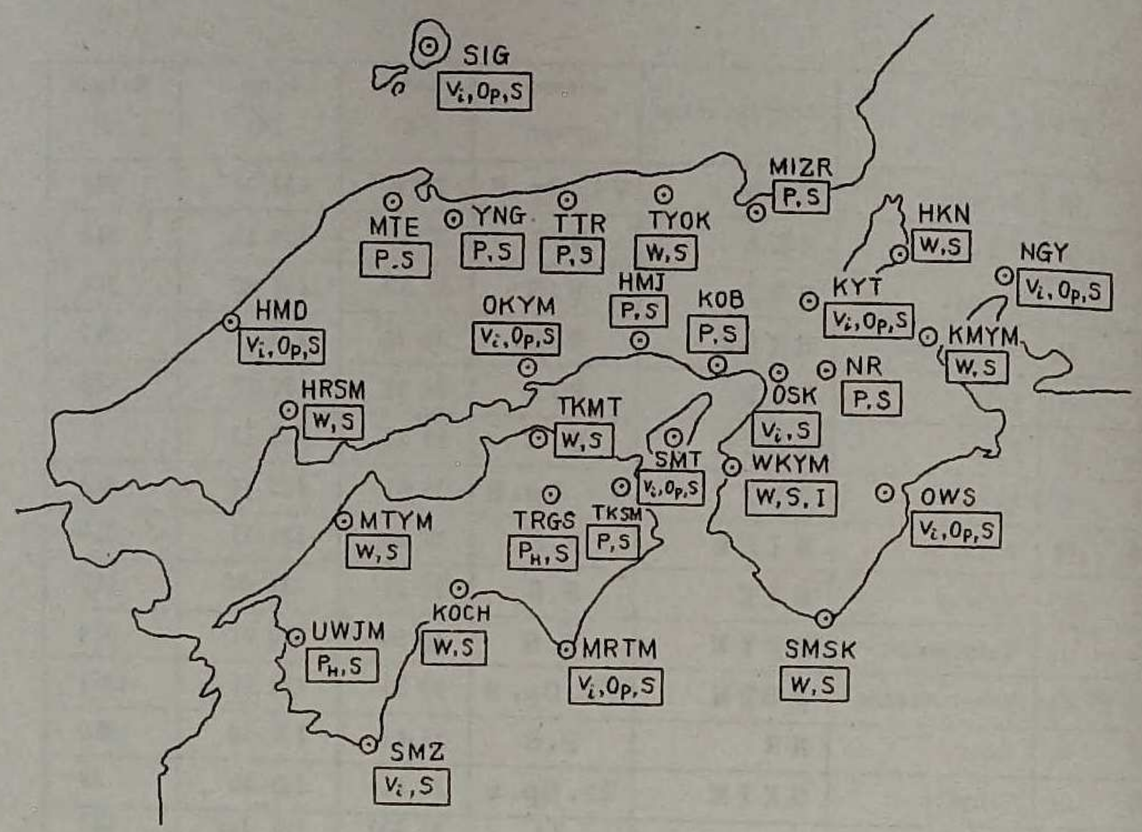
International Seismological Centre

観測所一覧表 (1) List of Station (1)

Station		Abbreviation	Seismo-graph	Lat. (N)	Long. (E)	Height (m)
浜田	Hamada	HMD	Vi, Op, S	34°54′	132°04′	19.6
彦根	Hikone	HKN	W, S	35 16	136 15	88.8
姫路	Himeji	HMJ	P, S	34 50	134 40	37.8
広島	Hiroshima	HRSM	W, S	34 22	132 26	29.7
神戸	Kōbe	KOB	P, S	34 41	135 11	58.8
高知	Kōchi	KOCH	P, S	33 33	133 32	2
京都	Kyōto	KYT	Vi, Op, S	35 01	135 44	42.6
舞鶴	Maizuru	MIZR	P, S	35 28	135 23	31.2
松江	Matsue	MTE	P, S	35 27	133 04	18.7
松山	Matsuyama	MTYM	W, S	33 50	132 47	32.4
室戸岬	Murotomisaki	MRTM	Vi, Op, S	33 15	134 11	185.9
奈良	Nara	NR	P, S	34 41	135 50	105.0
岡山	Okayama	OKYM	Vi, Op, S	34 41	133 55	38
大阪	Ōsaka	OSK	Vi S	34 40.7 〃	135 31.3 〃	13* 49*
高安山	Takayasu-yama	TKYS	V_d	34 36.7	135 39.6	472*
西郷	Saigō	SIG	Vi, Op, S	36 12	133 20	28.3
清水	Shimizu	SMZ	Vi, S	32 43	133 01	30.2
潮岬	Shionomisaki	SMSK	W, S	33 27	135 46	74.3
洲本	Sumoto	SMT	Vi, Op, S	34 20	134 54	109.6
高松	Takamatsu	TKMT	W, S	34 19	134 03	9.6
徳島	Tokushima	TKSM	P, S	34 04	134 35	1.8
鳥取	Tottori	TTR	P, S	35 31	134 11	17.7
豊岡	Toyooka	TYOK	W, S	35 32	134 50	4.2
剣山	Tsurugisan	TRGS	P_H, S	34 03	134 10	56.1
宇和島	Uwajima	UWJM	P_H, S	33 14	132 33	43.4
和歌山	Wakayama	WKYM	W, S, I	34 14	135 10	14.3
米子	Yonago	YNG	P, S	35 26	133 21	7.1
亀山	Kameyama	KMYM	W, S	34 51	136 28	69.2
名古屋	Nagoya	NGY	Vi, Op, S	35 10	136 58	55.7
尾鷲	Owashi	OWS	Vi, Op, S	34 04	136 12	16.4

* from 1 Aug 1968

"Station Map" (1)



Notation

Op: Electromagnetic seismograph with optical recorder (T_0=1.5, sec V=500 or 1000)

P : New-type portable seismograph (T_0=2, V=60)

P_H: Portable seismograph, horizontal only (T_0=3~4, V=50)

S : Storong motion seismograph (T_0=5~6, V=1)

Vi: Electromagnetic seismograph with visible recorder (T_0=5, V=100)

V_d: Remote recording JMA61-type seismograph with visible recorder (T_0=10, V=200)

W : Wiechert's seismograph (T_0=5, V=80)

I : Ishimeto's seismograph (T_0=1, V=300)

International Seismological Centre

Number of earthquakes

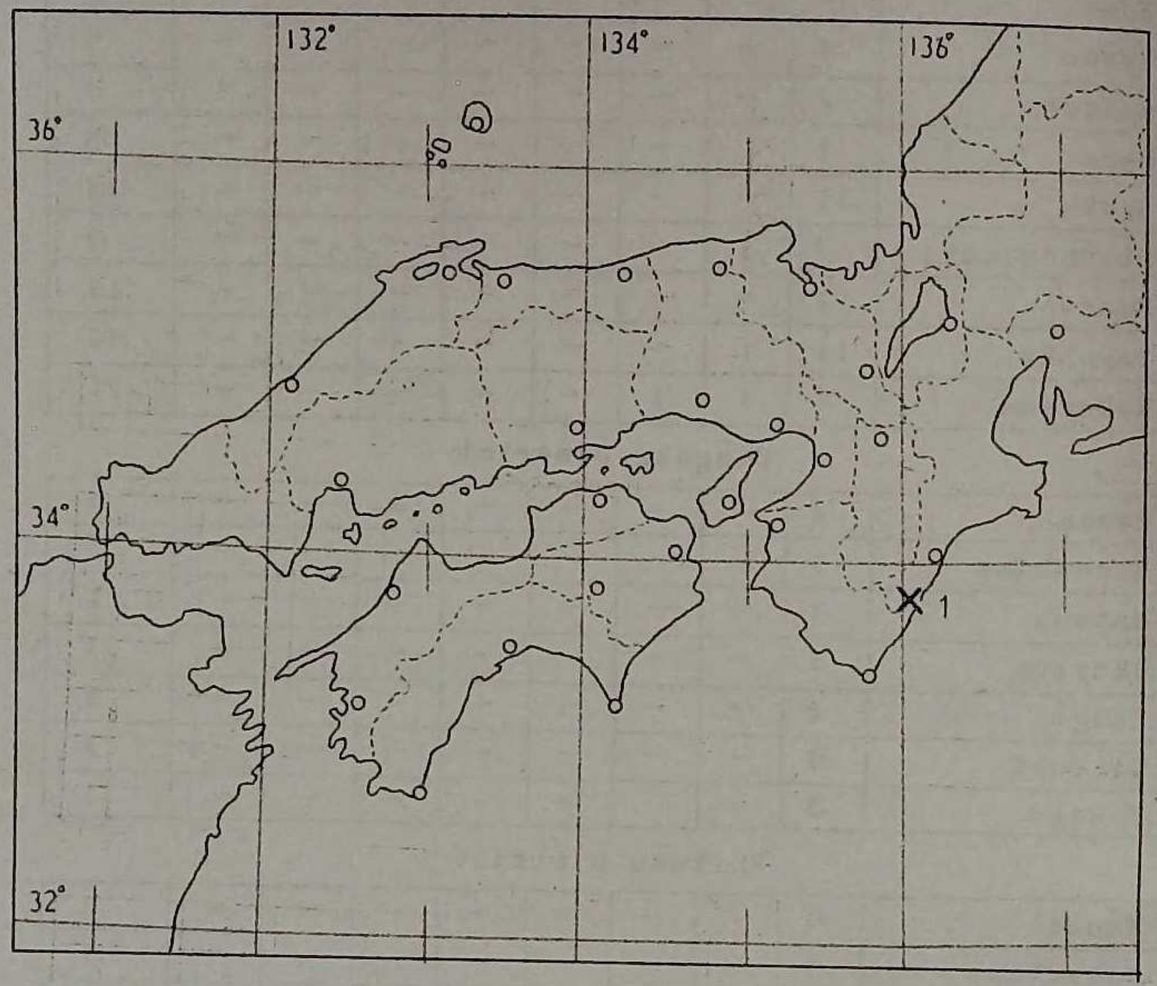
July. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	12	—	—	1	—	—	—	—	13
Himeji	2	—	—	—	—	—	—	—	2
Kōbe	6	—	—	—	—	—	—	—	6
Kyōto	9	—	—	—	—	—	—	—	9
Maizuru	3	—	—	—	—	—	—	—	3
Nara	7	1	—	—	—	—	—	—	8
Ōsaka	35	—	—	—	—	—	—	—	35
Shionomisaki	7	1	—	—	—	—	—	—	8
Sumoto	12	—	—	—	—	—	—	—	12
Toyooka	11	1	—	—	—	—	—	—	12
Wakayama	7	3	1	—	—	—	—	—	11
Chūgoku District									
Hamada	6	—	—	—	—	—	—	—	6
Hiroshima	5	—	—	—	—	—	—	—	5
Matsue	3	—	—	—	—	—	—	—	3
Okayama	5	—	—	—	—	—	—	—	5
Saigō	8	—	—	—	—	—	—	—	8
Tottori	3	—	—	—	—	—	—	—	3
Yonago	3	—	—	—	—	—	—	—	3
Shikoku District									
Kōchi	3	—	—	—	—	—	—	—	3
Matsuyama	7	—	—	—	—	—	—	—	7
Murotomisaki	7	—	—	—	—	—	—	—	7
Shimizu	7	—	—	—	—	—	—	—	7
Takamatsu	5	—	—	—	—	—	—	—	5
Tokushima	7	—	—	—	—	—	—	—	7
Tsurugisan	5	—	—	—	—	—	—	—	5
Uwajima	2	—	—	—	—	—	—	—	2

Remarks: Data containd in this report are ones whose maximum double amplltude exceeds 1mm on the record of electromagnetic, wiecherts and Portable seismograph.

Epicenter of the major felt earthquakes, in west Honshu and Shikoku.

July. 1968



No	Date	Origin time (J.S.T.)	Epicenter				Max.
			Location	Lat.	Long.	Depth	S.I.
1	7	23h 51m	三重県南部 S part of Mie pref.	N 33°50′	E 136°1′	Km 0	III

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.)	Inital Motion(μ)			Pha.	p-Pha.	Max. Amplitude Amp.(μ)			Period(sec.)			Pha.	p-Pha.	Remarks
				h m s	N	E	Z		m s	N	E	Z	N	E	Z		m s	
1	NGY	II	P	19 45 47.2	−3	−8	+3	S	24.4	2300	1600	1100	1.9	1.1	1.1			
	HKN	III	iP	45 53.2		−22	+16	S	30.1	1150	1000	676	1.9	1.9	1.5			
	KYT	0	iP	46 00.0	(−)	−3	+2	eS	36.6	145	124	82	1.5	1.5	2.5			
	OWS	0	eP	46 00.0				eS	23.8	120	79	83	3.0	3.4	3.0			埼玉県
	NR	I	iP	46 01.5		+5	−6	eS	35.6	650	600	250	2.1	1.6	1.4			中部
	MIZR	0	eP	46 02.9				iS	43.8									
	OSK	0	iP	46 04.3			+10			1350	1000	500	2.9	3.6	2.0			Middle
	WKYM	0	P	46 08.1				S	44.4	40	24	8	0.5	0.7	1.6			of
	TYOK	I	P	46 08.2				eS	43.0	> 538	> 470	319			0.9			Saitama
	KOB	0	eP	46 08.2				iS	40.9	200	150	200	1.9	2.2	1.9			pref.
	SMT	0	P	46 11.5	(−)	(−)	+1	eS	55.3	140	117	108	3.8	2.5	2.5	iX	25.0	35° 59′
	SMSK	0	P	46 11.5				S	1 4.8	112	137	108	1.6	1.4	1.7			139° 26′
	HMJ	0	eP	46 12.0				eS	1 1.0									50Km
	TTR	0	P	46 17.5				S	55.1	150	50	50	1.8	1.8	2.0			
	TKSM	0	eP	46 19.2	+2	+4	−2	iS	48.8	280	392	60	0.2	0.2	0.2			
	TKMT	0	eP	46 20.6				iS	1 19.6	120	84	53	3.4	3.4	2.7			
	OKYM	0	eP	46 20.8	(+)	(+)		eS	1 17.2	110	60	95	2.2	2.0	2.0			
	TRGS	0	P	46 22.7				S	1 5.9									
	SIG	0	iP	46 24.8	−1	−2	+4	S	53.3	71	49	40	1.4	1.6	1.6			
	YNG	0	P	46 25.2	(−)		(+)	eS	59.0									
	MRTM	0	iP	46 26.3	(+)		(−)	eS	1 12.1	54	89	37	3.8	5.0	6.0			
	KOCH	0	iP	46 30.6	+2	+2	(+)	iS	59.8									
	MTE	0	eP	46 30.7				S	1 26.4									
	MTYM	0	eP	46 36.8				eS	1 4.5	88	56	48	5.3	4.8	3.1			
	HRSM	0	eP	46 39.0				iS	1 32.5	75	38	44	2.3	3.5	2.1			
	HMD	0	P	46 40.8		+1	+2	S	1 19.6	72	23	48	3.8	3.2	3.6			
	UWJM	0	eP	46 44.1														

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	Pha.	p-Pha. m s	Maz. Amplitude Amp.(μ) N E Z	Period(sec) N E Z	Pha.	p-Pha. m s	Remarks
	SMZ	0	eP	46 44.2		S	1 20.0	33 24 21	3.8 3.8 4.4			
1	NGY	0	P	21 24 31.0		S	1 20.4	6 3	2.8 2.8			
	OSK	0	X	26 14.7				10 9	5.4 4.8			
3	NGY	0	P	01 45 56.0		S	1 31.8	6 3	2.8 2.4			
	OSK	0	eX	47 20.–				13 15 5	5.2 5.2 3.3			
4	NGY	0	P	09 34 50.4	−3 +4	S	29.2	57 52 26	2.4 2.8 1.4			
	WKYM	0	eX	34 50.5				16 9	1.2 1.2			
	HKN	0	eP	34 59.0				48 28 14	1.1 1.2 1.3			大 島
	OWS	0	eP	35 00.0		eS	34.0	9 5 14	1.0 1.0 1.2			東方沖
	NR	0	eP	35 03.9		S	38.4					
	KYT	0	iP	35 04.8	−1 +1	eS	39.9	10 6 4	1.5 1.5 2.7			E off
	OSK	0	P	35 06.4	−3	S	40.2	109 79 25	2.7 2.8 2.8			Ōshima
	SMSK	0	eP	35 07.9		eS	39.3	6 7	2.7 1.9			
	KOB	0	eP	35 11.2		eS	43.2					34°50
	TKSM	0	eP	35 13.9		eS	46.7					139°48
	SMT	0	P	35 14.2	(−) (+)	S	45.4	12 6 6	2.8 3.7 3.0			100K
	TYOK	0	eP	35 16.1		eS	48.0	30 31 6	1.1 1.1 1.0			
4	WKYM	0	iP	12 03 21.4		iS	2.3	32 37	0.1 0.1			
4	NGY	0	P	18 18 23.6		S	25.4	5 3	1.4 1.6			
5	NGY	0	P	05 39 04.4	−3 +2	S	15.6	24 21 17	1.2 0.8 1.2			山梨県
	HKN	0	eP	39 12.3		eS	24.4	54 71 21	1.2 1.2 1.6			南西部
	OWS	0	eP	39 17.5		eS	32.9	5 4 4	1.8 1.8 2.0			SW of
	NR	0	eP	39 21.5		S	30.5					Yamana-
	OSK	0	eP	39 23.0		S	35.0	58 46 17	2.5 1.6 1.7			shi
	TYOK	0	P	39 29.6		eS	38.9	28 21 7	1.0 1.0 1.0			pref.
	TKSM	0	eP	39 38.0		eS	45.4					35°19
5	NGY	0	P	20 29 34.8	−7 −10 +8	S	1 4.2	382 319 224	2.8 3.0 2.4			138°28
												10Km

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N E Z	Period(sec) N E Z	Pha.	p-Pha. m s	Remarks
	HKN	0	iP	29 39.5	−21 −32 +32			262 300 145	3.6 3.6 4.2	X	1 7.1	
	WKYM	0	P	29 44.2		S	1 35.2	64 50 28	2.6 2.6 3.2			
	KYT	0	iP	29 44.9	(+) (+) (−)	eS	1 15.1	46 51 47	3.0 2.0 3.5			
	KOB	0	eP	29 55.0		eS	1 20.9	100 150 50	4.6 5.6 3.8			宮城県沖
	MIZR	0	eP	29 47.2		eS	1 11.3					Off
	OWS	0	eP	29 48.0		eS	1 22.0	60 50 59	4.0 4.4 3.4			Miyagi
	NR	0	eP	29 49.0		eS	1 15.6	300 200 75	2.8 2.0 2.2			pref.
	OSK	0	eP	29 50.6	+14	S	1 29.4	550 600 281	4.8 4.2 3.1			
	TYOK	0	P	29 51.7	(+) (+) (−)	S	1 18.0	150 133 77	1.2 1.3 4.7			38°26′
	HMJ	0	eP	29 56.7		eS	1 23.7					142°13′
	SMT	0	P	29 57.1	−1	eS	1 27.3	104 71 59	4.1 4.3 5.3			50Km
	TTR	0	P	29 57.9		eS	1 23.8	50 50 41	4.1 5.1 2.5			
	SMSK	0	eP	29 59.4		S	1 34.8	81 137 58	3.3 2.7 3.1			
	SIG	0	eP	30 00.9	(+) (+) (−)	S	1 25.9	42 37 42	4.0 3.6 4.0			
	TKSM	0	eP	30 03.0		eS	1 27.3					
	OKYM	0	iP	30 04.5	(−) (−) (+)	eS	1 20.1	69 40 50	7.5 5.0 4.5			
	TKMT	0	eP	30 05.6		eS	1 49.3	84 76	7.7 6.5			
	YNG	0	eP	30 07.4		eS	1 30.2					
	TRGS	0	P	30 09.8		S	1 54.7					
	MTE	0	eP	30 11.0		eS	1 32.1					
	MRTM	0	iP	30 15.5	+1 −1	eS	1 43.6	77 74 44	4.6 4.8 4.8			
	KOCH	0	eP	30 17.6		eS	1 39.8					
	MTYM	0	eP	30 22.0		eS	1 36.8	116 52 35	5.2 5.3 16.3			
	HMD	0	iP	30 24.0	−5 −7 +7	eS	1 38.9	33 22 21	4.1 5.9 5.7			
	HRSM	0	P	30 24.3	+5 +11 −4	eS	1 41.5	64 43 48	5.3 4.7 5.2			
	UWJM	0	eP	30 29.–								
	SMZ	0	eP	30 30.4		S	1 46.2	34 34 16	4.2 4.7 3.6			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N E Z	Period(sec.) N E Z	Pha.	p-Pha. m s	Remarks
6	WKYM	0	P	03 22 29.4		S	0.3	9 6	0.1 0.1			
7	NGY	0	P	22 17 57.6		S	1 14.8	8 7 3	2.4 2.6 2.6			
	OSK	0	eP	18 11.–		S	1 55.–	19 23 6	4.3 5.1 3.6			
7	OWS	X	eP	23 51 31.0		eS	2.8	13 11 13	0.6 0.6 0.6			三重県南部
	SMSK	I	eP	51 35.6		eS	6.7	19 11 16	0.2 0.2 0.2			
	NR	0	iP	51 42.5	+3							S part of Mie pref.
	OSK	0	P	51 44.3	+4	S	4.9	16 20 9	5.2 4.4 2.4			
	SMT	0	P	51 46.4	(–) (–) (+)	S	14.0	5 3 2	0.3 0.4 0.8			
	WKYM	0	iP	51 53.4		iS	1.5	13 16	0.1 0.1			33°50′ 136° 1′ 0K
	HKN	0	eP	51 54.1		eS	18.3	10 9 3	1.0 0.9 0.8			
9	HKN	0	eP	17 07 51.2		eS	1 21.7	9 8 3	5.6 4.1 1.6			
	NGY	0	P	07 52.4		S	1 12.6	19 13 5	2.8 3.2 3.0			
	OSK	0	X	08 19.8				48 65 12	5.1 4.5 5.2			
9	NGY	0	P	17 30 36.0		S	1 45.0	7 3	3.2 3.2			
	OSK	0	eX	31 41.–				20 16 5	5.7 4.8 2.4			
10	OSK	0	eX	09 46 03.–				19 21 5	4.0 5.0 2.8			
11	WKYM	II	iP	03 17 59.3		iS	1.1	113 226	0.1 0.1			
	SMT	0	P	18 02.9	–1 +1 –3	S	43	6 4 2	0.2 0.3 0.3			
	TYOK	0	iS	18 41.1				5 7	0.9 1.2			
11	SMT	0	eP	05 42 41.5		S	1 53.2	6 6 4	6.5 5.2 5.0			
11	NGY	0	P	05 42 22.0		S	1 32.4	18 17 7	2.8 3.2 3.0			岩手県沖
	HKN	0	eP	42 25.3		eS	1 32.9	12 14 5	4.8 5.3 4.6			
	KYT	0	eP	42 27.0		eS	1 58.0	6 7 2	6.5 6.5 5.0			E off N Honshu
	TYOK	0	P	42 32.7	(–) (–) (+)	eS	1 41.5	6 11 3	1.0 1.2 3.7			
	SIG	0	eP	42 40.1	–1 –2 +1	eS	1 43.9	5 6 3	4.9 5.0 3.2			40°11′ 143°34′ 30Km
	OSK	0	eP	42 40.6	–3			57 91 22	5.0 4.2 3.5			
	MRTM	0	eX	42 57.1				6 5	7.2 8.0	eX	2 16.5	

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N E Z	Period(sec.) N E Z	Pha.	p-Pha. m s	Remarks
	MTYM	0	eP	43 03.1		eS	2 7.8	8 2 2	13.8 17.6 4.8			
	SMSK	0	eP	43 18.2		eS	1 47.9	5 6	4.1 4.1			
11	WKYM	I	iP	06 08 55.5		iS	1.0	29 80	0.1 0.1			
11	NGY	0	P	07 23 18.0		S	1 28.0	5 3	2.6 2.6			
	OSK	0	X	23 44.8				11 13	4.0 3.6			
12	WKYM	0	P	09 06 44.0		iS	0.4	12 21	0.1 0.1			
12	NGY	0	P	09 46 14.0		S	1 29.0	188 128 59	3.0 3.2 3.2			
	HKN	0	P	46 21.4		eS	1 27.0	119 120 64	3.9 2.9 3.6			
	MIZR	0	eP	46 26.4		eS	1 30.9					岩手県沖
	KYT	0	eP	46 27.0		S	1 35.0	39 49 29	4.6 12.3 6.0			
	NR	0	eP	46 30.2				100 50	3.0 3.0			E off N Honshu
	OSK	0	P	46 31.2	+5	S	1 48.8	393 164	4.2 3.8			
	TYOK	0	P	46 31.6		S	1 34.4	59 77 58	3.6 3.8 3.9			
	OWS	0	eP	46 32.0	(+) (–)	eS	1 42.0	35 32 33	6.4 6.4 6.4			39°34′ 143°29′ 40Km
	KOB	0	eP	46 35.9								
	TTR	0	eP	46 38.1		eS	1 35.2	50 50 50	3.5 4.0 4.0			
	SMT	0	P	46 39.2	(–) (–) (+)	eS	1 46.3	46 32 40	5.1 4.4 5.6	eX	9.7	
	SMSK	0	eP	46 39.8		eS	2 7.3	61 91 22	5.1 5.8 3.6			
	SIG	0	iP	46 41.6	–1 –1 +1	eS	1 44.3	19 32 33	4.8 3.8 5.0			
	WKYM	0	P	46 43.2		S	1 50.5	49 32 21	4.7 3.5 5.0			
	OKYM	0	iP	46 46.0	(–) (+)	S	1 45.6	35 40 45	5.0 4.0 3.8			
	YNG	0	P	46 46.8	(–) (–) (+)	eS	1 48.8					
	TKSM	0	eP	46 47.7		eS	1 47.9					
	TKMT	0	eP	46 48.6				43 19	5.3 15.3	iX	2 35.0	
	TRGS	0	P	46 49.7								
	MTE	0	P	46 50.0	–1 –2 +4	eS	1 51.1					
	MRTM	0	P	46 55.6		eX	2 18.5	35 40 28	6.2 6.0 8.0	eX	1 31.5	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	HRSM	0	eP	47 01.9	-1	-3	+1	eS	2 1.3	40	36	30	6.2	13.0	13.4			
	MTYM	0	eP	47 02.1				eS	2 3.2	60	18	22	6.2	12.9	14.3			
	KOCH	0	eP	47 02.3				eS	1 58.9									
	HMD	0	iP	47 02.8	-3	-4	+4	eS	1 53.4	28	31	27	6.3	3.7	3.8			
	SMZ	0	P	47 10.0			-2	eS	2 9.9	21	22	18	6.5	5.8	6.4			
12	NGY	0	P	12 58 06.6				S	1 26.6	67	55	24	2.8	2.4	2.0			
	HKN	0	eP	58 13.3						41	36	18	4.7	4.7	1.4			
	KYT	0	eP	58 19.0				eS	1 31.9	13	19	11	6.0	12.0	7.0			岩手県
	KOB	0	eP	58 21.5														
	NR	0	eP	58 20.7														
	OWS	0	eP	58 21.0				eS	1 57.0	12	17	13	5.0	6.0	6.2			E off N Honshu
	OSK	0	eP	58 24.-						158	197	62	5.6	5.2	2.9			
	SMT	0	P	58 30.3			(+)	eS	1 50.6	15	14	14	5.0	6.6	5.2			
	SIG	0	eP	58 32.1	(-)	(-)	(+)	eS	1 47.8	6	11	9	3.6	11.9	14.8			39°3 143°2 30K
	SMSK	0	eP	58 33.4				eS	2 2.2	19	26		5.2	5.6				
	TKSM	0	eP	58 33.7				eS	1 45.0									
	WKYM	0	eX	58 38.8														
	TKMT	0	eP	58 40.9						13	7		5.7	5.9		eX	2 29.6	
	MRTM	0	eP	58 46.4						14	14	11	6.0	9.0	9.0	eX	2 27.7	
	MTYM	0	eP	58 52.5				eS	2 1.5	11	5	6	4.7	11.4	12.9			
	HMD	0	eP	58 55.4				eS	1 52.2	9	8	7	7.9	5.3	4.1			
	HRSM	0	eP	58 57.8	+1	+3	(-)	eS	2 13.0	9	14	9	9.1	14.0	13.8			
	SMZ	0	eP	59 02.9						8	5	5	5.4	5.2	6.3	eX	3 7.1	
	OKYM	0	eP	58 44.6			(-)	S	1 48.2	5	10	15	4.0	6.5	5.8			
12	SMT	0	P	20 35 14.5	-1	(+)	-1	iS	9.0	8	6	2	0.2	0.4	0.4			和歌山県中部 Middle of Wakayam
	SMSK	0	eP	35 15.3				eS	9.6	16	8	6	0.2	0.2	0.5			
	OWS	0	eP	35 15.3				eS	10.7	10	13	4						

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	NR	0	eP	35 17.0		iS	10.2									pref.
	TKSM	0	eP	35 17.6		iS	10.3									34° 0′
	WKYM	I	iP	35 18.9		iS	0.8	22	54		0.1	0.1				135° 29′
	KOB	0	eP	35 20.7		iS	5.8									30Km
	TYOK	0	eP	35 40.3		iS	7.0	15	11	5	1.2	0.6	0.6			
4	WKYM	0	P	11 17 30.1		iS	1.2	49	18		0.1	0.1				
4	OSK	0	eX	16 35 42.-				5	6		3.6	3.6				
4	WKYM	0	P	23 24 44.9		iS	0.2	15	18		0.1	0.1				
5	NGY	0	P	05 55 09.0		S	1 45.0	5	4		3.2	3.4				
	OSK	0	eX	55 21.-				23	36	5	5.6	4.9	3.2			
5	NGY	0	P	08 50 27.6		S	51.4	10	6	3	2.2	2.2	1.4			
	OKK	0	eX	51 03.7				12	13	7	5.0	3.2	2.0			
6	NGY	0	P	03 17 50.4		S	1 14.0	10	7	5	1.6	2.4	2.0			
	HKN	0	eP	18 09.5				8	7		1.2	1.6				
	OSK	0	eX	18 31.-				17	14	9	2.5	2.8	2.3			
6	OSK	0	eX	04 23 06.4				7	7		3.5	3.4				
6	SMZ	0	eP	22 09 45.7		eS	19.5	11	8		0.9	1.0				日向灘
	MTYM	0	eP	09 52.3		eS	25.3	5	6	4	0.8	0.8	0.7			Hyuganada
	SIG	0	eP	10 28.2		eS	55.6	3	5	3	1.8	2.0	2.2			32°13′ 131°39′ 0Km
	OSK	0	eX	11 30.-				7	7		3.2	4.0				
17	OSK	0	eX	07 41 03.-				5	4		3.0	3.4				
17	OSK	0	eX	14 32 31.-				9	7	6	2.6	3.2	2.2			
17	SMZ	0	eP	18 13 53.2		eS	6.3	18	17	7	0.4	0.4	0.4			
18	OSK	0	eX	20 23 35.-				2.8	17	5	5.3	4.4	2.8			
19	NGY	0	P	20 22 53.2		S	1 38.8	6	5		2.8	3.0				
20	HKN	0	eP	07 20 18.6		S	10.7	10	13	4	1.0	1.0	0.7			福井県北東部
	NGY	0	P	20 19.2		S	11.4	5	4	2	0.4	0.5	0.4			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	KYT	0	iP	20 27.2			−1	eS	17.0	4	6	2	0.5	0.6	0.9			NE of Fukui pref. 36° 136° 10
	TYOK	0	S	20 53.4						14	16		1.0	1.0				
	OSK	0	X	20 56.9						7	7		3.9	4.6				
21	NGY	0	P	11 15 05.2	−1	−1	+1	S	16.8	8	5	2	0.9	1.0	1.0			
21	OSK	0	eX	13 32 56.–						5			3.6					
21	OSK	0	X	15 01 31.2						10	6		4.5	3.6				
22	OSK	0	eX	03 36 40.–						6	6		3.1	2.8				
22	OSK	0	eX	06 06 04.9						9	7	4	3.8	3.5	2.6			
22	NGY	0	P	09 15 55.4				S	1 37.8	13	8		3.0	2.4				
	OSK	0	eX	16 10.–						20	23	8	3.4	4.5	2.7			
22	HKN	0	eP	17 31 03.3				eS	10.5			14			0.4			福井県
	KYT	0	iP	31 07.8		(+)	+1	iS	12.8	11	30	5	0.0	0.0	0.0			
	NGY	0	P	31 11.4		+1	+1	S	16.4	18	12	6	0.4	0.4	0.4			Off Fukui pref.
	NR	0	eP	31 13.6				iS	18.3									
	TYOK	0	iS	31 19.7						51	43		1.2	1.2				35° 135°
	OSK	0	eP	31 20.5				S	12.5	14	11	9	1.4	0.6	1.4			0
23	NGY	0	P	07 35 11.0	+1			S	1 8.4	8	6	3	3.0	3.0	1.6			
23	MRTM	0	iP	15 28 28.1	+1	(+)	(−)	iS	6.2	7	12		0.2	0.3				
24	NGY	0	P	03 11 12.4				S	1 8.4	7	3		2.6	2.6				
	OSK	0	eX	13 17.–						13	16		4.6	4.8				
24	SMSK	0	eP	08 02 54.4						14	12		4.4	4.0				
24	NGY	0	P	08 04 11.1				S	1 39.7	22	17	8	4.0	4.2	4.2			岩手県
	HKN	0	eP	04 30.2				eS	1 44.2	20	24	9	6.3	6.3	6.0			E off N Honshu
	KYT	0	eP	04 35.0				eS	1 48.5	8	10	5	6.5	6.5	6.5			
	SIG	0	eP	04 42.0	(−)	(−)	(+)	eS	1 45.7	7	8	6	4.2	4.8	4.0			
	SMT	0	eP	04 55.6				eS	1 44.9	9	8	5	1.8	5.8	5.6			40° 143° 50
	OSK	0	eP	04 56.–						91	83		5.1	4.6				

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	TKMT	0	eP	05 06.9				eS	1 56.2	8	6		16.2	16.2				
	HRSM	0	eP	05 08.3				eS	2 12.0	8	8	3	11.6	15.0	15.0			
	MRTM	0	eP	05 09.8				eX	2 5.5	10	8	8	7.0	6.2	5.0	eX	1 32.5	
	MTYM	0	eP	05 11.5				eS	2 4.5	12	8	5	14.5	15.9	14.0			
	SMZ	0	eX	05 23.0						5	7	3	5.2	6.0	5.1	eX	3 9.9	
	OWS	0	X	05 25.4				eS	1 9.6	4	5	5	4.8	5.0	5.0			
	TYOK	0	P	05 40.5						9	13	8	5.9	13.2	10.6	X	38.2	
	OKYM	0	eP	05 53.0			(+)			5	4	6	5.0	5.0	4.4	eX	1 3.0	
25	NGY	0	P	13 17 12.4				S	39.6	5	4	2	1.8	2.2	1.2			
25	SMT	0	iP	16 35 02.8			+5	eS	9 18.4	3	2	6	5.2	5.6	5.6			
	OSK	0	iX	35 03.7						25	29	14	4.4	4.3	2.4	eX	10 33.–	
	TYOK	0	eP	35 07.9						6	6		1.1	1.1		X	9 56.7	
	HMD	0	P	35 13.8			+4	eS	9 57.0	3	2	5	4.8	6.6	3.6			
	SIG	0	P	35 15.9	(+)	(−)	(+)			3	2	5	2.0	2.2	3.2	eX	10 3.–	
26	TRGS	0	P	15 15 20.7														
28	TRGS	0	P	00 49 09.2														
28	WKYM	I	P	03 14 06.0				iS	1.2	19	9		0.1	0.1				
30	SMT	0	P	08 59 04.8	+2		+1	eS	5 32.5	6	3	5	3.2	3.0	3.0	eX	2 5.0	
	OSK	0	X	59 08.0						27	24	14	3.6	3.4	2.9			
	HMD	0	P	59 09.2			−3	eS	5 14.2	5		5	3.6		3.6			
	NGY	0	P	59 12.0						9	8	3	3.0	3.0	3.6			
	HKN	0	eX	59 13.1						9	17	7	2.5	2.5	3.3	X	5 33.6	
	TYOK	0	P	59 17.6				eS	5 11.2	9		5	3.3		2.9	X	1 17.8	
31	NGY	0	P	10 39 23.0				S	1 42.0	3	5		2.8	3.0				

Report of earthquakes

Station witout seismograph

昭和43年7月 July. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
1	Yuhi	油日	Shiga	I	19^h46^m	
	Kawakami	川上	Nara	I	46	
7	Shingū	新宮	Wakayama	III	23 52	heard
	Shirahama	白浜	〃	I	52	
12	〃	〃	〃	I	20 19	
12	〃	〃	〃	I	20 35	
	Futatsuno	二津野	Nara	I	20 35	
24	Kibi	吉備	Wakayama	I	21 24	
25	〃	〃	〃	I	14 53	
25	〃	〃	〃	I	17 35	

International Seismological Centre

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Number of earthquakes

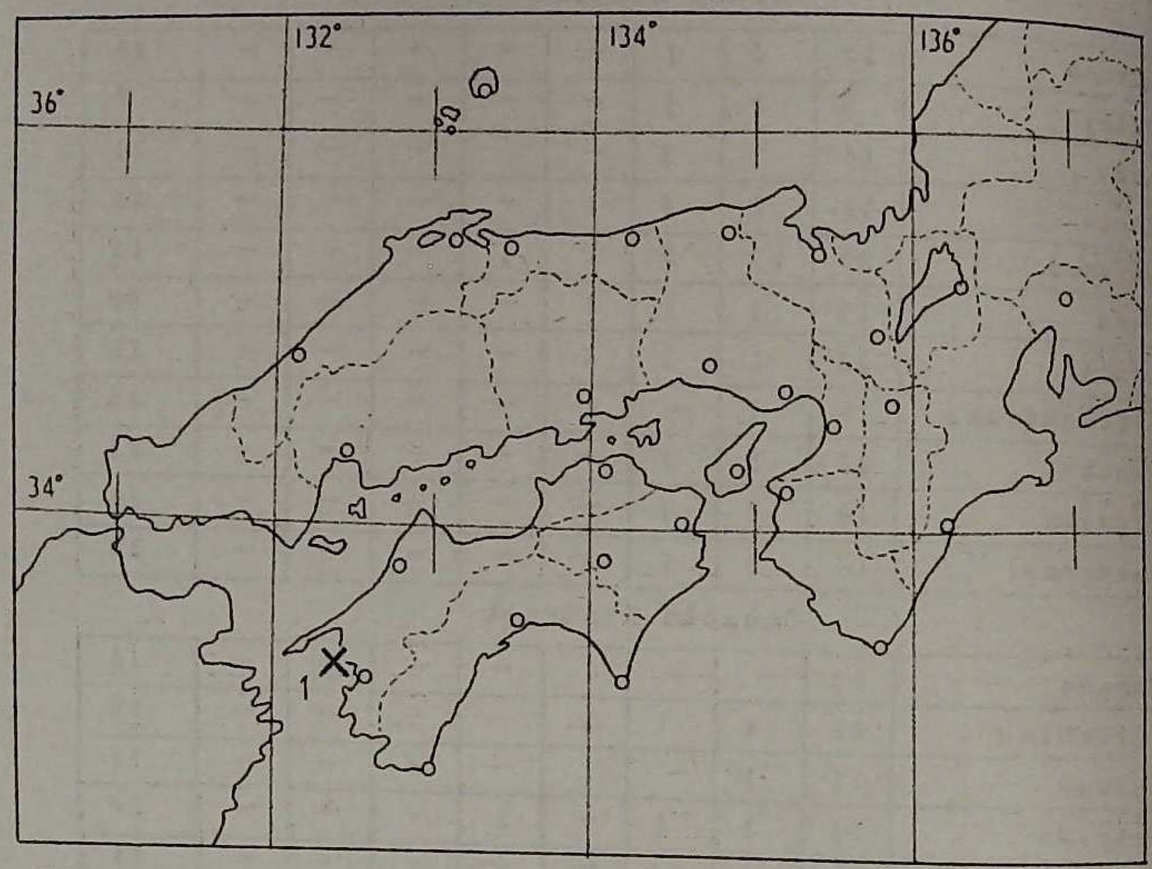
Aug. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	23	3	1	—	—	—	—	—	27
Himeji	5	1	1	—	—	—	—	—	7
Kōbe	16	2	3	—	—	—	—	—	21
Kyōto	38	2	4	2	—	—	—	—	46
Maizuru	27	11	5	1	1	—	—	—	45
Nara	19	2	1	2	—	—	—	—	24
Ōsaka	33	1	1	2	—	—	—	—	37
Shionomisaki	18	1	—	1	—	—	—	—	20
Sumoto	32	2	1	—	—	—	—	—	35
Toyooka	48	5	1	—	—	—	—	—	54
Wakayama	17	6	2	—	—	—	—	—	25
Chūgoku District									
Hamada	15	—	—	1	—	—	—	—	16
Hiroshima	22	4	1	1	—	—	—	—	28
Matsue	9	1	—	1	—	—	—	—	11
Okayama	34	3	1	—	1	—	—	—	39
Saigō	22	1	—	—	—	—	—	—	23
Tottori	11	1	3	—	—	—	—	—	15
Yonago	8	1	—	1	—	—	—	—	10
Shikoku District									
Kōchi	20	4	—	1	—	—	—	—	25
Matsuyama	42	8	1	1	1	—	—	—	53
Murotomisaki	23	—	—	1	—	—	—	—	24
Shimizu	31	—	1	—	1	—	—	—	33
Takamatsu	27	2	1	1	—	—	—	—	31
Tokushima	18	1	1	1	—	—	—	—	21
Tsurugisan	7	1	—	1	—	—	—	—	9
Uwajima	90	39	15	5	—	1	—	—	150

Remarks: Data containd in this report are ones whose maximum double amplitude exceeds 1mm on the record of electromagnetic, wiecherts and Portable seismograph.

Epicenter of the major felt earthquakes, in west Honshu and Shikoku.

August. 1968



No	Date	Origin time (J.S.T.)	Epicenter Location	Lat.	Long.	Depth	Max. S.I.
1	6	01h 17m	豊後水道 W coast of Ehime pref.	N 33° 18′	E 132° 23′	Km 40	V
2	6	05 51	〃 〃	33° 22′	132° 24′	40	III
3	6	11 34	〃 〃	33° 20′	132° 24′	40	III
4	6	13 21	〃 〃	33° 21′	132° 27′	40	III
5	18	09 55	和歌山県西岸 W coost of Wakayama pref.	33° 51′	135° 00′	10	III
6	18	16 12	京都府中部 Middle of Kyoto pref.	35° 13′	135° 23′	40	IV
7	23	22 06	豊後水道 W coast of Ehime pref.	33° 18′	132° 23′	10	III
8	27	21 58	京都市付近 Near kyoto pref.	35° 00′	135° 45′	0	III

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te	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m	s	Max. Amplitulde Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m	s	Remarks
2	SMZ	0	eP	05 23 47.2							53	53	68	3.2	3.0	4.0	eX	3	39.7	
	MTYM	0	eP	23 51.9				eS	3	42.8	74	60	39	12.9	10.5	21.1				
	MRTM	0	eP	23 53.6				eS	3	55.3	58	74	50	7.0	9.2	10.8				
	KOCH	0	eP	23 59.3				eS	4	1.7										Philippime Is.
	HRSM	0	eP	24 00.1	−5	−3	(−)	eS	3	43.0	41	54	22	14.0	14.5	21.6				
	HMD	0	eP	24 02.0				eS	3	56.0	32	25	22	10.6	10.7	12.7				
	OKYM	0	eP	24 04.0			(+)				40	70	45	7.0	5.2	3.4	eX		4.–	
	SMSK	0	eP	24 04.5				eS	3	55.6	56	93	19	6.8	8.6	1.9				16° 30′
	SMT	0	P	24 04.6			(−)	eS	3	54.4	90	53	35	13.4	7.2	4.1	L	10	00.–	122° 16′
	TKMT	0	eP	24 05.5				eS	3	58.2	58	78	44	3.6	3.9	1.4				36Km
	TRGS	0	P	24 07.2																
	TKSM	0	eP	24 09.0				eS	3	52.6										
	OWS	0	eP	24 10.0			(+)	eS	4	10.8	53	47	33	7.4	6.8	11.2				
	WKYM	0	P	24 12.8				S	4	4.0	51	60	21	9.1	7.8	6.4				
	OSK	0	eP	24 14.–				eS	4	1.–	172	162	81	4.9	4.0	3.3				
	SIG	0	eP	24 14.1	(−)	(−)	(−)	eS	3	55.1	49	69		6.0	7.2		eX	11	28.5	
	TTR	0	eP	24 15.0													eX	4	10.–	
	KYT	0	eP	24 16.2				eS	4	58.8	30	57	27	8.0	13.6	5.8				
	TKYS	0	eP	24 18.0			(+)	eS	3	59.–										
	MTE	0	eP	24 19.8																
	NR	0	eP	24 20.2							50	50		2.0	2.0					
	HKN	0	eP	24 20.5				eS	4	77.1	104	72	46	13.9	12.2	25.6				
	TYOK	0	P	24 23.7							83	66	46	11.3	11.9	15.9	X	4	9.6	
	NGY	0	P	24 25.0				S	4	18.8	83	78	52	7.0	3.0	4.0	eL	6	20.0	
3	SMZ	0	eP	13 56 33.7				eS	1	42.5	34		18	7.4		7.6				
	UWJM	0	eP	56 35.–				eS	1	23.–										
	KOCH	0	eX	56 43.5																

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	MRTM	0	iP	56 44.0	(+)	(+)	(+)	S	1 33.0	35	37	25	11.0	8.2	13.0			
	MTYM	0	eP	56 45.7				eS	1 36.0	64	53	44	7.9	7.1	13.1			
	HRSM	0	eP	56 50.–				eS	1 37.–	40	39	30	23.4	18.0	14.2			
	HMD	0	eP	56 54.6				S	1 5.6	33	27	29	13.8	17.5	14.7	eL	1 54.0	Ryukyu Is.
	TKMT	0	eP	56 55.1				eS	1 43.2	29	26	10	17.3	17.1	17.4			
	TKSM	0	eP	56 56.5				eS	1 47.0									
	SMSK	0	eP	56 57.4				eS	1 58.5	24	25		155	9.4				
	OKYM	0	eP	56 58.3			(–)	eS	1 45.–	12	23	20	10.0	8.0	6.0			25° 128° 10
	SMT	0	P	57 00.8		(–)	(–)	S	1 49.7	25	26	27	178	13.1	17.5	eL	3 43.–	
	WKYM	0	P	57 04.9				S	1 45.0	23	16	12	15.0	13.7	14.9			
	OWS	0	iP	57 06.4				iS	2 0.0	10	9	18	12.4	7.0	14.4			
	KOB	0	eX	57 08.–														
	OSK	0	eP	57 09.–			+3			55	59	26	4.4	3.2	15.4			
	KYT	0	eP	57 14.3				eS	2 10.7	15	12	13	13.5	9.0	16.0			
	SIG	0	eP	57 15.0	(–)	(–)	(–)	S	1 52.3	20	31		6.0	12.0				
	TYOK	0	P	57 16.0			–8			31	41	40	17.8	6.3	13.4	X	2 17.5	
	HKN	0	eP	57 19.3						34	18	17	12.8	10.8	15.0	eX	3 33.0	
	NGY	0	P	57 24.8				S	2 18.4	14	21	13	3.2	3.4	3.0			
3	SMZ	0	P	15 29 27.0	+2		+3			8		11	8.4		3.8	eX	3 35.4	
	MRTM	0	iP	29 37.3	(+)	(+)	(+)	eS	3 44.8	11	12	8	8.0	7.0	10.0			
	TKMT	0	eP	29 44.9				eS	3 51.4	8	10		12.2	12.8				Philippine Is.
	SMSK	0	eP	29 46.8						16	12		4.6	4.9				
	OKYM	0	eP	29 47.1	+1		(+)	eS	3 52.9	8	10	8	4.0	4.6	4.0			
	SMT	0	eP	29 48.2				S	3 56.8	9	10	7	7.0	10.2	3.2	eX	2 0.7	16° 127° 3
	OWS	0	eP	29 54.0				iS	3 58.0	12	6	5	9.4	5.0	5.4			
	OSK	0	eP	29 56.–			+3			45	34	12	4.2	2.8	2.7			
	SIG	0	P	29 58.5	(+)	(+)	(+)	eS	3 54.3	10	7		8.0	5.2				

International Seismological Centre

Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
TYOK	0	eP	20 58.5				eS	4 3.5	13	7		11.0	6.1				
KYT	0	eP	30 00.0						8	8	3	8.6	6.8	2.8	eX	50.6	
HKN	0	eP	30 05.2				eS	4 2.8	16	11	5	11.0	2.8	2.9			
NGY	0	P	30 07.0				S	4 11.2	17	13	7	5.0	3.6	4.2			
WKYM	0	iP	12 30 56.3				iS	0.8	54	25		0.1	0.1				
SMT	0	P	30 56.8	–1	+1		iS	4.0	28	13		0.3	0.3				
OSK	0	eX	31 12.7							7			3.0				
SMZ	0	eP	20 46 56.8						4		5	4.2		5.0	eX	4 29.2	
MRTM	0	P	47 02.7				eS	4 34.4		5			0.6				
SMSK	0	eP	47 07.9				eS	4 39.6	5	6		2.7	4.7				
SMT	0	P	47 12.8	+1		+1	eS	4 39.6	5	4	4	4.0	6.4	3.6	eX	1 1.0	
TKYS	0	eP	47 19.0				eS	4 44.–									
OSK	0	eP	47 19.–						31	13	6	4.0	2.7	1.8			
NGY	0	P	47 24.8				S	4 43.4	5	5		2.8	2.6				
TYOK	0	eP	47 25.9				eS	4 46.8	6	7		1.2	1.2				
UWJM	V	iP	01 17 14.1		(–)	–200	S	5.9		32.4	6.3						
MTYM	IV	iP	17 20.4	+300	+200	+200	iS	8.0	8.1	18.5	4.5	1.0	0.8	1.0			豊後水道
SMZ	IV	iP	17 22.6	–150	+307	+199	iS	10.6	5.1	7.7	2.1	2.1	1.8	1.7			
KOCH	III	iP	17 24.0	+79	+239	+239	iS	12.9	3.35	5.25	2.05	0.8	4.8	3.6			W coast of Ehime pref.
HRSM	III	iP	17 25.5	–254	–1	–196	iS	12.5	2.1	2.05	1.4	5.5	2.5	2.7			
MRTM	III	iP	17 30.1	(+)	+15	+15	S	16.4	1.9	2.0	1.3	5.2	7.5	6.9			
HMD	III	iP	17 33.8	–94	+20	–71	iS	19.0	1.0	1.6	1.2	3.3	3.8	3.5			
TRGS	III	P	17 34.0				S	15.0	1.06	1.93	1.40	2.7	3.0	3.0			
OKYM	IV	iP	17 36.4	+30	+29	+35	eS	24.–	1.0	1.3	1.0	5.3	6.4	3.2			33° 18′ 132° 23′ 40Km
TKSM	III	iP	17 37.1	+2	+5	+2	iS	21.5	1.34	0.97	0.49	0.2	0.1	0.1			
TKMT	III	iP	17 38.8	+77	+119		iS	24.6	1.6	1.85	0.9	3.6	3.6	3.1			
SMT	X	iP	17 42.1	+21	+48	+41	eS	33.5	41.3	41.6	38.0	4.6	5.4	3.6			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	YNG	III	P	17 42.5	-2		-2	S	30.0	mm 1.0	mm 0.8	mm 0.6	0.6	0.6	1.0			
	MTE	III	P	17 43.0	-3	-1	-6	iS	29.3									
	WKYM	I	iP	17 45.5	+33	+104	+56	iS	24.9	mm 1.17	mm 1.0	mm 0.4	0.5	0.5	2.6			
	TTR	II	P	17 47.3				eS	33.1	1.6	16	1.0	4.1	3.9	2.7			
	SMSK	III	iP	17 48.7	+1	+70	+55	iS	32.2	477	301	228	3.8	2.1	2.4			
	HMJ	0	P	17 49.2	+6	+2	+6	S	33.1									
	OSK	II	P	17 51.2	+25	+52	+30	S	38.8	mm 2.2	mm 33	mm 0.9	4.2	2.8	2.5			
	SIG	I	iP	17 51.8	(-)	(-)	(-)	S	36.8	1.2	1.0	1.2	2.2	2.7	3.4			
	TYOK	I	iP	17 53.7	+14	+10	+10	eS	38.3	2.6	3.4	0.5	1.0	1.2	4.5			
	OWS	0	iP	17 54.0		+1	(+)	iS	36.0	223	155	160	2.6	3.2				
	MIZR	0	iP	17 54.9	+15			iS	40.3	mm 1.0	mm 06	mm 08	26.5	39.8	39.8			
	KYT	0	P	17 55.7	+1	+2	+1	eS	47.0	117	107	89	3.2	2.1	3.3			
	NR	I	iP	17 55.7	+4	+12	+6			mm 11	mm 1.05	350	3.4	3.0	3.0			
	KOB	II	P	17 ~						600	700	400	3.2	3.4	2.8			
	HKM	0	P	18 03.2				S	55.9			344			3.4			
	NGY	I	P	18 09.6	+13	+35	+26	S	54.4	mm 1.0	mm 0.9	507	2.7	2.7	5.0	X	17.0	
6	SMZ	0	eP	01 33 05.1				eS	9.5	5			0.6					
	KOCH	0	eX	33 16.9														
6	KOCH	0	eX	01 36 35.9														
6	MTYM	0	eP	01 57 43.0			(+)	iS	8.5			7			0.7			
6	UWJM	0	eP	02 30 30.0				iS	5.1									
6	UWJM	0	eP	02 41 30.8				iS	5.5									
6	UWJM	0	iS	02 47 59.1														
6	UWJM	I	P	02 55 56.2				iS	5.5									
6	UWJM	0	iS	03 04 24.1														
6	UWJM	I	P	03 09 50.2				iS	5.4									
6	UWJM	0	eS	03 15 30.9														

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitnde Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m s	Remarks
6	UWJM	I	P	03 16 57.9				iS	5.5									
6	UWJM	0	eP	03 27 47.4				iS	5.5									
6	UWJM	0	eP	03 29 27.1				iS	5.7									
6	UWJM	II	iP	03 32 46.1	+6	-12	-3	iS	5.7	500	400							豊後水道
	MTYM	I	iP	32 52.3			+3	iS	9.0			20			0.4			W coast
	KOCH	0	eP	32 56.8				eS	12.9									of
	HRSM	0	eP	33 00.1				eS	12.0	10	8	4	0.2	0.2	0.2			Ehime
	SMZ	0	eS	33 09.1						19	12	11	0.4	0.4	0.4			pref
	TKMT	0	eP	33 09.4				eS	23.1	8	8		1.0	1.0				33°22′
	OKYM	0	P	33 09.6						7	5	3	0.5	0.8	1.0	X	2.1	132°21′ 30Km
6	UWJM	0	P	03 39 14.9				iS	5.2									
6	UWJM	0	eP	03 41 09.3				iS	5.3									
6	UWJM	0	iS	03 45 09.7														
6	UWJM	0	eP	03 55 01.7				iS	5.3									
6	UWJM	0	eP	04 16 42.3				iS	5.5									
6	UWJM	I	iP	04 34 09.1				iS	4.8									
6	UWJM	0	eP	04 38 52.1				iS	5.3									
6	UWJM	I	iP	04 38 54.1				iS	5.0									
6	UWJM	0	eP	04 51 35.5				iS	5.1									
6	UWJM	0	eP	05 01 22.4				iS	4.8									
6	UWJM	0	eP	05 10 22.2				iS	5.0									
6	UWJM	0	eP	05 18 28.0				eS	5.7									
6	UWJM	0	P	05 24 34.6				iS	5.3									
6	UWJM	0	eP	05 36 02.7				iS	5.2									
6	NGY	0	P	05 38 32.0				S	34.0	7	6	3	12	10	12			
6	UWJM	0	eP	05 48 10.1				iS	5.3									
6	UWJM	II	iP	05 51 28.1	+1	-20	-1	iS	5.1	700	900	100						

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	MTYM	I	iP	51 32.8			+3	iS	8.2			144			0.4			
	SMZ	0	iP	51 36.8	-1		+3	S	10.0	56	80	55	0.6	0.8	0.7			
	KOCH	I	iP	51 38.6	+2	+6	+4	iS	12.0									
	HRSM	I	eP	51 39.2	-1		-1	S	14.2	66	59	38	0.2	0.2	0.4			
	MRTM	0	iP	51 44.3			(+)			25	25	9	1.6	1.4	1.2	iX	55.4	
	HMD	0	P	51 47.6	+1		+1	S	20.6	16	13	13	1.2	1.4	1.2			
	TKMT	I	iP	51 48.5				iS	25.0	61	77		1.1	1.1				
	OKYM	0	eP	51 49.0		(+)	(+)	iS	26.2	70	66	17	0.4	0.4	0.6			
	SMT	0	eP	51 56.9				S	33.3	21	12	6	0.5	2.4	2.3	eX	17.4	
	MTE	0	eP	51 57.7				S	24.4									
	YNG	0	eP	51 58.1				S	28.3									
	WKYM	0	eX	52 03.4						23	25		1.0	1.0				
	TTR	0	eP	52 04.9				eS	31.8									
	SIG	0	P	52 05.8	(-)	(-)	(-)	eS	45.8	19	20		1.6	1.6				
	KYT	0	eP	52 10.0				eS	50.0	7	5	5	1.6	1.3	1.8			
	OSK	0	eP	52 10.-						13	81	15	2.2	1.8	2.0	X	43.-	
	NR	0	eP	52 10.8														
	TYOK	0	eP	52 13.9						69	86	15	1.2	1.2	0.8			
	NGY	0	P	52 25.0				S	50.0	7	8		2.2	2.6				
6	UWJM	0	iX	05 58 33.2														
6	UWJM	I	iP	06 17 42.9				iS	5.6									
6	UWJM	0	eP	06 26 29.5				iS	4.7									
6	UWJM	II	iP	06 42 28.1				iS	5.4									
6	UWJM	0	iP	06 43 55.4				iS	4.7									
6	UWJM	I	eP	06 53 57.2				iS	5.7									
6	UWJM	0	P	07 10 28.5				iS	4.3									
6	UWJM	I	iP	07 33 56.2				iS	5.3									

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Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
UWJM	0	eP	08 23 37.1				iS	4.9									
UWJM	I	iP	08 38 43.3	+4	-8	-5	iS	4.6									豊後水道
MTYM	0	iP	38 50.3			+3	iS	9.2			20			0.4			W coast
SMZ	0	eP	38 53.5				eS	10.9	6		3	0.6		0.6			of
HRSM	0	P	38 56.9				S	13.3	6	9	5	0.2	0.2	0.3			Ehime
KOCH	0	eX	38 57.0				eS	11.0									pref.
OKYM	0	P	39 07.2						8	5	1	0.5	0.5	0.4	X	2.9	33° 20′
TKMT	0	eP	39 08.8				eS	10.3	8	6		1.0	1.2				132° 16′
																	10Km
UWJM	0	P	08 47 31.5				iS	4.8									
UWJM	0	P	09 05 13.8				iS	4.8									
UWJM	0	eP	09 23 33.5				iS	6.0									
UWJM	0	eP	09 33 17.4				iS	5.1									
UWJM	0	eP	09 35 48.7				iS	5.1									
TKSM	0	eP	09 51 52.7				eS	22.0									
UWJM	0	eP	10 06 46.-				iS	5.-									
UWJM	0	eP	10 21 42.-				iS	5.-									
UWJM	0	eP	10 33 39.-				iS	5.-									
UWJM	X	eP	10 42 23.-				iS	5.-									
MTYM	0	eP	42 30.0				iS	8.2	7	13		0.6	0.7				
UWJM	0	eP	10 47 35.-				iS	6.-									
UWJM	0	eP	11 27 51.-				iS	5.-									
UWJM	III	iP	11 34 47.-	+11	-26	-40	iS	5.-	1000	1700	200						豊後水道
MTYM	II	iP	34 52.0	+9	+6	+14	iS	8.3	389		175	0.5		0.6			W coast
SMZ	0	iP	34 55.6	-2	+3	+3	S	9.8	123	143	72	1.1	0.8	1.0			of Ehime
KOCH	I	iP	34 57.5	(+)	+6	+4	iS	12.6									pref.
HRSM	I	P	34 58.0	+6	(+)	+7	iS	13.1	47	55	33	0.3	0.3	1.8			33° 21′
MRTM	0	iP	35 02.7		(+)	(+)	S	17.3	25	25	10	2.0	2.0	1.6			132° 24′
																	40Km

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	TKMT	0	eP	35 06.2				iS	25.1	91	114	56	0.9	0.9	0.7			
	TRGS	0	P	35 06.5				S	25.1									
	HMD	0	P	35 06.6	+1		+2	S	19.8	19	12	16	1.6	1.6	1.6			
	OKYM	0	P	35 08.2			(+)	iS	24.2	67	53	16	0.6	0.6	2.0			
	TKSM	0	eP	35 14.8				eS	26.3									
	MTE	0	eP	35 16.7				eS	24.5									
	SMT	0	eP	35 19.6				S	28.4	23	13	19	1.6	1.9	2.2	iX	132	
	SMSK	0	eP	35 21.1				S	31.4	8	8	6	1.2	1.2	0.9			
	WKYM	0	P	35 23.3				S	30.2	33	29		1.0	1.0				
	SIG	0	eP	35 23.4	(−)	(−)	(−)	eS	39.2	27	19		1.4	1.4				
	TTR	0	eP	35 23.6				eS	33.2									
	KOB	0	eP	35 24.4				eS	34.4									
	OSK	0	eP	35 25.−				eS	38.−	26	45	20	1.4	1.9	2.0			
	OWS	0	eP	35 27.3			(−)	eS	47.7	7			1.6					
	NR	0	eP	35 28.0														
	KYT	0	eP	35 29.2				eS	49.5	8	7	3	1.4	1.3	1.6			
	TYOK	0	eP	35 32.8						66	91	19	1.2	1.2	1.1	X	30.6	
	NGY	0	P	35 43.6				S	54.4	7	8	3	2.0	2.8	1.8			
6	UWJM	0	eP	11 48 44.−				iS	6.−									
	MTYM	0	eP	48 50.5				eS	8.3	3	8	2	0.6	0.7	0.5			
6	UWJM	0	eP	11 55 31.−				iS	5.−									
6	UWJM	I	P	12 03 47.−				iS	5.−									
	MTYM	0	eP	03 55.8				eS	9.0	11	12	7	0.6	0.6	0.4			
	KOCH	0	eX	04 07.9														
6	UWJM	X	eP	12 43 48.−				iS	5.−									
	MTYM	0	eP	43 55.8				eS	9.0	6	10	2	0.6	0.7	0.8			
6	UWJM	0	eP	12 45 18.−				iS	5.−									

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6	UWJM	0	eP	13 00 12.−				iS	5.−									
6	UWJM	III	iP	13 21 11.−	+2	−34		iS	5.−	2.0	2.9	0.3						
	MTYM	III	iP	21 16.0	+4	+65	+65	iS	8.3	750	1600	277	0.7	0.7	0.6			豊後水道
	SMZ	II	P	21 20.6			+5	S	9.9		315	221		0.8	0.8			
	KOCH	I	iP	21 22.3	+4	+13	+8	iS	12.0									W coast
	HRSM	II	P	21 22.3	−2	(−)	−1	iS	13.8	150	200	100	0.5	0.9	0.5			of
	MRTM	0	iP	21 27.3		(+)	(+)	S	17.5	90	93	34	1.2	1.4	1.4			Ehime
	HWD	X	P	21 30.8	−1		−1	S	19.4	47	23	37	1.4	1.2	2.2			pref.
	TKMT	I	iP	21 31.0				iS	25.6	204	405	107	0.9	0.7	14.8			
	OKYM	I	P	21 32.1	+1	+1	+1	iS	24.3	168	243	50	0.5	0.5	0.8			
	TKSM	0	eP	21 34.3				eS	23.6									
	TRGS	0	P	21 35.8												X	11.6	132° 27′ 33° 21′ 40Km
	SMT	0	P	21 38.4		(+)	(+)	S	29.2	56	43	45	1.0	1.9	2.3	iX	6.5	
	MTE	0	eP	21 39.0				S	25.2									
	YNG	X	iP	21 42.2	−7	−4	−7	iS	27.9	200	200	100	0.8	0.8	0.8			
	TTR	0	eP	21 44.5				eS	31.4									
	HMJ	0	P	21 45.9				S	30.9									
	SMSK	0	eP	21 46.0				iS	31.0	18	19	16	1.7	1.2	1.0			
	WKYM	0	P	21 46.7				S	30.0	103	90	24	1.0	1.0	1.5			
	KOB	0	P	21 49.6				iS	34.8									
	SIG	0	P	21 49.6	(−)	(−)	(−)	eS	39.5	81	85		1.4	1.8				
	OSK	0	P	21 49.8			−2			73	102	46	2.0	1.9	2.1			
	OWS	0	eP	21 52.0			(+)			18	10	13	1.8	3.0	1.2	eX	1 46	
	NR	0	eP	21 52.9						50	50		1.8	2.0				
	KYT	0	eP	21 54.4				eS	46.7	18	16	12	1.5	1.2	1.8			
	TYOK	I	eP	21 56.3						442	279	58	1.2	1.2	0.8			
	NGY	0	P	22 07.3						22	25	9	2.2	1.8	1.4	X	1 49.9	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	MIZR	0	eP	22 22.0												eX	21.7	
6	UWJM	X	eP	13 55 23.–				iS	5.–									
6	UWJM	II	iP	14 25 03.–				iS	5.–									豊後水道
	MTYM	0	eP	25 07.8			(+)	iS	8.2			14			0.5			W coast
	SMZ	0	eP	25 12.6				S	9.5	20	22	10	0.6	0.5	0.6			of
	HRSM	0	P	25 14.4	(+)		(+)	S	13.1	6	4	5	02	0.2	0.3			Ehime
	KOCH	0	eX	25 15.1				eS	10.4									pref.
	TKMT	0	eP	25 25.1				eS	22.6	8	12	7	0.6	1.1	0.6			33° 132°
	OKYM	0	eP	25 27.9	(+)		(+)	eS	23.3	8	7	1	0.5	0.5	0.5			20
6	UWJM	0	eP	14 26 35.–				iS	5.–									
6	UWJM	X	iP	14 31 07.–				iS	5.–									
6	UWJM	0	eP	14 41 37.–				iS	6.–									
6	UWJM	0	eP	14 43 07.–				iS	5.–									
6	UWJM	0	iS	15 04 30.7														
6	UWJM	I	iP	15 23 36.3				iS	5.2									
6	UWJM	0	eP	15 27 12.3				S	4.4									
6	UWJM	0	eP	15 34 21.5				iS	4.7									
6	UWJM	0	iS	15 52 48.9														
6	UWJM	I	P	16 39 28.0				iS	5.1									
6	UWJM	I	iP	16 56 20.0				iS	5.7									
	MTYM	0	eP	56 25.5				eS	8.8	9		8	0.6		0.4			
6	UWJM	I	P	16 58 54.9				iS	5.0									
	MTYM	0	eP	59 03.5				eS	8.3			9			0.4			
6	UWJM	I	eP	17 14 27.0				iS	5.1									
6	UWJM	0	eP	20 39 09.2				iS	5.3									
6	UWJM	0	eP	21 12 22.8				iS	5.1									
7	UWJM	0	eP	00 04 51.8				iS	4.6									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
7	UWJM	0	iS	01 04 05.0														
7	UWJM	0	eP	01 04 40.4				iS	5.1									
7	UWJM	0	eP	04 42 48.1				iS	5.8									
7	UWJN	0	iS	05 35 36.9														
7	UWJM	I	P	11 29 08.0				iS	5.0									
7	UWJM	II	iP	11 50 34.0				iS	5.0									
7	UWJM	II	iS	11 50 50.9														
	MTYM	0	eP	50 54.7				eS	8.5	13		5	0.7		05			
	KOCH	0	eX	51 00.9														
	SMZ	0	eS	51 06.2						5	2	2	0.5	0.6	0.8			
7	UWJM	0	eP	12 20 39.3				iS	4.4									
7	UWJM	0	eP	13 08 56.–				iS	5.–									
7	UWJM	0	iS	14 00 47.9														
7	NGY	0	P	17 02 36.8				S	54.4	7	6	2	2.4	2.4	1.6			
	TYOK	0	P	02 47.8						13	5		1.0	1.2		X	1 56.3	
	OSK	0	eX	02 51.–						7	8		3.6	2.4				
7	UWJM	II	P	18 13 37.0				iS	5.2									豊後水道
	MTYM	0	iP	13 43.3	+1	+1	+1	iS	10.2	41	59	12	0.6	0.5	0.4			W coast
	SMZ	0	eP	13 46.2				eS	9.4	5	3	4	0.5	0.6	0.6			of
	HRSM	0	eP	13 50.5				S	13.0	6	5	4	0.2	0.2	0.2			Ehime
	KOCH	0	eX	13 54.6														pref.
	OKYM	0	P	14 02.0				eS	26.–	5	5	1	0.6	06	0.5			33° 17′ 132° 22′ 30Km
7	UWJM	0	eP	19 05 18.3				iS	5.3									
7	UWJM	I	iP	20 45 16.4				iS	5.2									
7	UWJM	0	eP	20 50 58.5				iS	4.5									
7	UWJM	I	eP	21 43 18.1				iS	5.0									
7	UWJM	II	iP	23 32 33.8				iS	5.3									

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	MTYM	0	eP	32 39.7	(+)	(+)	(+)	iS	8.7	13	17	6	0.6	0.7	0.8			
	SMZ	0	eP	32 45.2				eS	10.8	7	4	4	0.6	0.6	0.4			
8	UWJM	0	eP	02 39 44.1				iS	5.7									
8	UWJM	II	iP	02 44 11.1				iS	5.0	600	900	100						豊後
	MTYM	I	iP	44 17.8	+8	+8	+6	iS	10.0	125	106	23	0.7	0.5	0.4			W o
	SMZ	0	iP	44 18.7	-3	+1	+9	S	10.0	23	20	13	0.5	0.6	0.6			of
	KOCH	0	iP	44 21.8	+2	+4	+2	iS	12.7									Ehi
	HRSM	0	P	44 23.8	(+)		(+)	S	14.0	13	18	8	0.2	0.2	0.2			pre
	MRTM	0	iP	44 27.4	(+)	(+)	(+)	eS	17.9	6	7		1.1	1.0				
	OKYM	0	P	44 33.6	(+)	(+)	(+)	eS	24.6	14	7	4	0.6	0.6	2.0			
	TKMT	0	iP	44 34.7				eS	30.7	25	26	7	1.2	1.0	0.9			3
	TKSM	0	eP	44 38.1				eS	23.6									13
	TYOK	0	eP	45 00.-				eS	36.-	29	19		1.2	1.2				
	OSK	0	eP	45 06.-						6	6		3.1	1.6				
8	UWJM	0	eS	03 07 27.0														
8	UWJM	0	P	04 07 42.5				iS	5.2									
8	UWJM	III	iP	04 20 22.5				iS	5.9	900	1100	200						豊後
	MTYM	I	iP	20 26.5	+3	+1	+2	iS	8.5	81	86	27	0.6	0.7	0.5			W o
	SMZ	0	eP	20 29.7			+3	S	10.4	18	11	8	0.6	0.4	0.7			of
	KOCH	0	iP	20 31.0	(+)	+4	+2	iS	13.0									Ehi
	HRSM	0	P	20 31.8	+3		+3	S	13.3	9	11	4	0.2	0.2	0.3			pre
	TKMT	0	eP	20 40.0				eS	33.5	8	11	6	0.8	1.3	0.5			3
	OKYM	0	P	20 42.0	(+)	(+)	(+)	S	21.6	10	9	3	0.5	0.5	0.8			13
	TKSM	0	eP	20 48.6				eS	23.8									
	TYOK	0	eP	21 08.2				eS	36.6	16	13		1.2	1.0				
8	UWJM	0	eP	05 20 11.4				iS	5.1									
8	UWJM	0	iS	05 48 24.8														

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max.Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
8	UWJM	I	eP	06 33 57.0				iS	4.8									
8	UWJM	0	iX	09 31 50.8														
8	UWJM	I	P	11 47 47.2				iS	5.4									
8	NGY	0	P	13 56 09.4				S	46.4	132	100	37	2.6	2.6	2.6			茨城県沖
	NR	0	eP	56 18.4						75	50		3.0	2.0				
	KOB	0	eX	56 20.-														Off
	KYT	0	eP	56 22.0				eS	1 0.9	12	14	8	2.2	1.7	2.9			Ibaraki
	OWS	0	iP	56 22.5						10	12	10	3.4	4.0	2.0	iS	11.1	pref.
	OSK	0	eP	56 26.-						94	103	44	3.1	3.6	2.2			
	SMSK	0	eP	56 31.2				eS	1 18.3	6	12		1.6	2.9				
	TYOK	0	eP	56 32.1						58	40		1.2	1.0				36° 21′
	WKYM	0	eX	56 34.2						18	10		1.4	1.4				141° 35′
	SMT	0	P	56 37.2	(-)	(-)		eS	1 0.8	18	12	10	4.2	2.8	4.8			10Km
	TKSM	0	eP	56 40.5				eS	1 12.6									
	OKYM	0	eP	56 42.-						8	6	7	3.0	4.0	4.0			
	TKMT	0	eP	56 44.1				eS	1 36.1	12	9		4.3	4.3				
	SIG	0	iP	56 47.1	+3	-5	+1	eS	1 14.5	6	5		2.0	2.4				
	MRTN	0	P	56 48.5				S	1 23.2	11	13		4.2	5.2				
	HRSM	0	eP	57 01.0				eS	1 36.7	8	4	4	3.2	3.3	2.4			
	MTYM	0	eP	57 01.6				eS	1 28.5	9	5	2	5.1	4.1	2.7			
	SMZ	0	eP	57 04.8						6	3	3	3.5	3.0	3.9	eX	1 30.7	
	HMD	0	eP	57 04.9				eS	1 20.3		3	5		4.0	2.7			
8	KYT	0	iP	16 13 15.5			-1	iS	5.4	5	7		0.0	0.1				
	TYOK	0	X	13 25.2						8	5		1.0	0.8				
8	UWJM	0	iS	16 58 14.2														
8	UWJM	II	iP	20 28 18.8				iS	5.4									
	MTYM	I	iP	28 23.5	+3	+4	+4	iS	8.8	60	142	36	0.6	0.6	0.4			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	SMZ	0	eP	28 29.1				eS	9.6	12	7	6	0.6	0.7	0.8			豊後水道
	KOCH	0	eP	28 29.5				eS	11.1									W coast
	HRSM	I	P	28 30.8	-1		-1	iS	12.9	19	22	9	0.3	0.2	0.2			of
	OKYM	0	P	28 40.-				eS	26.-	13	18	3	0.3	0.3	0.4			Ehime
	TKMT	0	eP	28 41.3				iS	22.9	11	13	6	1.0	1.0	0.6			pref.
	YNG	0	P	28 48.9				iS	27.8									33° 2[illegible]
	TYOK	0	eP	29 07.-				eS	39.-	22	14	3	1.2	1.0	0.8			132° 2[illegible] 30Km
8	UWJM	I	eP	22 38 58.-				iS	6.-									
8	UWJM	I	P	23 17 52.6				iS	5.3									
	MTYM	0	iP	17 58.3	-3	-1	-1	iS	8.5	14	32	9	0.6	0.7	0.5			
8.	UWJM	0	eP	23 18 25.1				iS	5.0									
	MTYM	0	eP	18 30.1				eS	8.5	3	8	2	0.7	0.7	0.6			
9	UWJM	I	eP	00 04 58.4				iS	3.6									
9	UWJM	I	P	12 58 47.4				S	5.1									
	MTYM	0	eP	58 53.3				iS	9.0	11	12	3	0.7	0.7	0.5			
	SMZ	0	eP	58 57.0				eS	11.2	7	4	2	0.6	0.5	0.4			
9	UWJM	II	iP	15 11 36.2				iS	5.2									
	MTYM	0	eP	11 41.1	(-)	(-)	(-)	iS	8.7	11	14	3	0.6	0.7	0.7			
	SMZ	0	eP	11 45.6				eS	12.9	8			0.4					
9	UWJM	0	P	19 44 25.8				iS	4.9									
	MTYM	0	eP	44 31.8				eS	8.2	4	8	2	0.6	0.6	0.4			
9	UWJM	I	eP	22 01 21.9				S	5.5									
10	UWJM	I	eP	02 54 28.1				iS	4.7									
10	UWJM	I	eP	03 50 28.-				S	5.-									
10	UWJM	X	P	07 11 56.2				iS	4.6									
	MTYM	0	eP	12 02.3				iS	8.3	7	15	3	0.5	0.7	0.4			
10	UWJM	I	eP	08 12 32.6				iS	4.8									

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	MTYM	0	eP	12 38.5				eS	9.0	8	16		0.6	0.7				
10	SMZ	0	P	11 13 29.6	+2					33		41	5.6		5.4	eX	4 57.4	
	UWJM		eP	13 30.-														
	MRTM	0	iP	13 35.5	(+)	(+)	(+)	S	4 35.5	30	33	43	9.4	12.4	8.6	eX	9 42.5	Molucca
	MTYM	0	eP	13 37.8				eS	5 15.0	73	45	54	27.4	24.9	29.0			passage
	SMSK	0	eP	13 38.7				eS	5 22.5	86	43	20	27.3	26.3	28.6			
	HRSM	0	eP	13 40.8	+2	+1	+1	S	5 22.9	58	58	37	29.2	29.5	29.8			1° 24′
	TKSM	0	eP	13 42.1				eS	5 43.8									126° 12′
	NR	0	eP	13 43.0						50	50		1.8	2.0				33Km
	HMD	0	P	13 44.0				eS	5 23.0	23		18	9.2		28.0	eL	10 25.6	
	SMT	0	iP	13 44.0	(+)	(+)	(+)	S	5 22.8	42	28	36	9.9	25.0	10.7	X	10 34.3	
	TKMT	0	eP	13 44.2				eS	5 23.4	55	32	33	24.8	27.4	27.3			
	OWS	0	iP	13 44.3	(+)		(+)			24	16	38	7.3	7.4	31.0	eX	7 28.8	
	OKYM	0	P	13 45.8	(+)		(+)	S	5 26.8	13	20	25	8.0	10.0	10.0			
	TKYS	0	eP	13 48.7			+1	eS	5 26.-							eL	10 1.-	
	WKYM	0	P	13 49.4				S	5 21.5	78	45	40	22.5	20.0	29.8			
	OSK	0	eP	13 49.5			+3			128	98	55	4.3	3.5	7.0			
	KOB	0	eP	13 49.6														
	TRGS	0	P	13 50.3														
	YNG	0	eP	13 50.7				eS	5 30.3									
	KYT	0	P	13 52.2	-1	(-)	-1			19	17	27	28.0	16.7	7.7	eX	9 34.8	
	TTR	0	eP	13 52.2												X	5 33.-	
	TYOK	0	P	13 55.3	(+)		(-)			64	46	64	26.3	8.8	26.2	X	5 35.0	
	HKN	0	eP	13 55.4				S	5 30.1	73	37	63	26.5	3.9	27.4			
	MTE	0	eP	13 56.4				eS	5 27.3									
	NGY	0	P	13 57.2	+2	+2	+4	S	5 33.8	38	42	36	2.8	3.0	2.0	L	10 8.8	
	SIG	0	P	13 58.2	+2			eX	5 31.9	39	34		4.8	9.2		eX	8 8.4	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m s	Remarks
10	OSK	0	eX	13 12 36.–						13	9		4.2	4.2				
	TYOK	0	eP	12 42.6				eS	5 30.3	6	7		1.2	6.2				
	NGY	0	P	12 43.0				S	5 32.0	5	3		3.2	2.2				
10	SMZ	0	eP	14 58 11.3						8		6	4.9		4.7			
	MRTM	0	iP	58 18.0	(+)	(+)	(+)	eS	5 14.0	7	7	6	6.0	7.0	5.0			
	SMSK	0	eP	58 23.3				eS	5 14.6	8	8		5.5	4.6				Moluccas
	HRSM	0	eP	58 24.1	+3	(+)	+1	eS	5 18.0	8	9	4	5.4	4.9	2.0			passage
	SMT	0	P	58 28.8	(+)	(+)	(+)	eS	5 19.1	7	4	7	6.5	5.7	3.6			
	OSK	0	eX	58 33.–						49	16	7	4.3	4.0	4.9			1°30′
	TYOK	0	P	58 38.5	(+)		(+)	S	5 24.9	6	6	5	7.4	4.2	4.1			126°11′
	NGY	0	P	58 40.0	+2	+1	+3	S	5 32.4	9	8		3.0	4.2				3Km
	HKN	0	eX	58 40.3						11	7		3.8	1.1				
	SIG	0	eP	58 40.6						6	5		4.6	4.2				
10	UWJM	I	P	16 43 30.5				iS	5.4									
	MTYM	0	eP	43 37.7				eS	9.8	13	12	3	0.7	0.6	0.4			
11	UWJM	III	iP	01 21 23.5		–4	–12	iS	5.0									豊後水道
	MTYM	I	iP	21 28.0	+3	+7	+12	iS	12.3	37	63	21	0.6	0.6	0.5			W coast
	KOCH	0	eP	21 32.8				eS	12.6									of
	SMZ	0	eP	21 33.5				eS	9.7	15	13	13	0.4	0.4	0.4			Ehime
	HRSM	0	P	21 33.9				S	13.6	9	13	7	0.2	0.2	0.2			pref.
	OKYM	0	eP	21 45.0	(+)	(+)	(+)	S	25.0	10	13	4	0.6	03	0.6			
	TKMT	0	eP	21 49.7				iS	22.6	8	12		0.6	0.6				33°15′
	TKSM	0	eP	21 50.5				eS	25.3									132°23′
	TYOK	0	eP	22 10.8						11	12		1.0	1.0				30Km
11	UWJM	I	eP	06 10 09.1				iS	4.9									
	MTYM	0	eP	10 15.4				eS	10.0	4	7	2	0.6	0.6	0.5			
11	UWJM	0	eP	13 01 12.0				iS	4.8									

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11	UWJM	0	eP	21 34 41.1				iS	6.2									
12	UWJM	II	eP	00 17 04.7				iS	5.9									
12	UWJM	I	eP	00 33 02.5				iS	6.3									
12	UWJM	I	P	01 02 37.2				iS	5.2									
	MTYM	0	eP	02 43.3				iS	8.3	5	8	2	06	0.7	0.5			
12	WKYM	I	iP	02 10 43.2				iS	1.9	36	34		0.1	0.1				和歌山県西岸
	SMT	0	iP	10 46.3	(–)	(+)	(–)	iS	4.6	10	7	2	0.3	0.4	0.4			W coast
	NR	0	eP	10 57.0				S	11.6									of
	OKYM	0	P	11 01.0				S	16.5	5	4		0.6	0.5				Wakayama
																		pref.
																		34°2′
																		135°5′
																		10Km
12	WKYM	0	P	02 12 29.7				iS	1.0	6	16		0.1	0.1				
12	UWJM	0	eP	02 36 19.6				iS	4.9									
12	OSK	0	eX	05 07 25.–						12	5		4.0	3.6				
	NGY	0	P	07 32.8				S	5 32.0	4	6	4	2.6	3.2	1.4			
12	UWJM	0	eP	15 20 13.9				iS	53									
12	UWJM	I	eP	15 53 43.4				iS	5.1									
	MTYM	0	eP	53 49.5				eS	9.5	5	8	2	0.6	0.6	0.6			
13	NGY	0	P	05 33 48.8				S	1 28.0	3	5		2.4	2.4				
13	UWJM	I	eP	06 50 17.3				iS	5.1									
	MTYM	0	eP	50 24.9				iS	9.5	8	10	2	0.6	0.6	0.4			
13	UWJM	I	eP	20 04 33.0				iS	5.0									
14	WKYM	I	P	02 02 33.1				iS	0.9	5	9		0.1	0.1				
14	UWJM	II	iP	15 50 03.6		–2	–5	iS	5.1									
	MTYM	0	eP	50 09.6				iS	8.7	15	27	7	0.6	0.6	0.6			
14	OSK	0	eX	17 01 52.–						7	5		4.2	4.1				
14	UWJM	0	eP	17 42 34.3				iS	4.4									
15	SMZ	0	P	07 21 16.2			–5	eS	5 30.2	16		27	18.6		4.3			
	MRTM	0	P	21 20.3				eS	5 44.8	21	20	20	16.0	15.0	5.0			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	HRSM	0	eP	21 20.7	-1	(-)	-1	eS	5 44.0	24	27	23	23.0	22.0	3.8			
	MTYM	0	eP	21 23.3				eS	5 36.7	51	27		23.8	23.8				
	HMD	0	eP	21 23.7				eS	5 52.9	10	13	13	25.0	19.0	3.6	eL	10 29.3	Northern Celebes
	SMSK	0	eP	21 26.8				eS	5 50.0	40	23	10	21.7	13.4	2.4			
	OKYM	0	eP	21 26.9			(-)	eS	5 51.-	10	20	12	18.0	15.0	18.0			
	SMT	0	P	21 28.0			(+)	iS	5 51.5	21	13	24	20.1	12.9	4.6	iX	8 30.6	0° 12′ 119° 48′ 210Km
	TKMT	0	eP	21 29.2				eS	5 48.6	31	23		20.1	15.6				
	OWS	0	iP	21 29.4	(-)	(-)	(-)	eS	5 56.0	13	9	21	5.2	2.6	4.8			
	TKSM	0	eP	21 31.0				eS	5 42.8									
	OSK	0	eP	21 33.-						85	36	26	4.6	3.2	5.6			
	TKYS	0	eP	21 33.-														
	WKYM	0	P	21 33.2				S	5 36.1	28	21	22	19.5	18.5	18.3			
	KYT	0	eP	21 36.0						9	13	16	4.2	15.0	4.5	eX	8 30.5	
	KOB	0	eP	21 36.4				eS	5 49.7									
	NGY	0	P	21 40.3				S	5 54.7	12	16	23	2.8	3.0	3.6			
	SIG	0	P	21 41.5	-1	(-)	(-)	X	5 23.9	20	22		17.0	16.4		X	1 31.0	
	TYOK	0	P	21 43.0	-2	(-)	-3	eS	5 16.6	30	43	25	23.6	20.0	36.4	X	1 28.2	
	HKN	0	eP	21 43.4				eS	5 50.9	30	33	20	20.9	19.7	3.7			
15	UWJM	0	eP	22 04 13.-				iS	5.-									
16	NGY	0	P	01 02 23.6				S	55.8	6	5	2	2.0	2.2	1.6			
16	MTYM	0	iP	02 00 43.5	+1	-3	-8	iS	5.0	22	48	12	0.6	0.7	0.6			
	HRSM	0	eP	00 48.5				iS	8.8	6	8	3	0.2	0.2	0.2			
	UWJM	0	eP	00 49.1				S	8.2									
16	NGY	0	P	19 40 53.5				S	1 13.1	94	94	25	2.6	2.4	2.0			
	HKN	0	eP	40 54.8				eS	1 22.9	49	36	15	1.7	1.3	1.9			
	KYT	0	eP	41 01.0				eS	1 30.0	7	9	5	2.5	1.5	4.2			
	OWS	0	eP	41 04.1	(+)		(-)	eS	1 12.9	7	8	9	4.0	3.6	4.8			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	NR	0	eP	41 05.9														三陸
	TYOK	0	eP	41 08.0				eS	1 35.5									はるか沖
	OSK	0	eP	41 09.-				eS	1 34.-	54	49	23	4.6	2.2	2.7			
	SMSK	0	eP	41 13.6				eS	1 40.9	10		5	3.5		1.7			E off
	SMT	0	P	41 15.2				eS	1 37.9	12	7	7	4.8	3.1	4.4			N
	SIG	0	P	41 20.0				S	1 45.2	5	8		1.6	13.0				Honshu
	OKYM	0	eP	41 20.2						7	4	6	4.0	5.0	5.0			
	TKMT	0	eP	41 31.6						8	5		11.2	7.1		eX	2 20.4	38° 34′ 143° 51′ 0Km
	HRSM	0	eP	41 37.8				eS	1 58.1	7	5	4	10.1	5.3	3.0			
	HMD	0	eP	41 41.2				eS	2 0.2	7		4	7.8		4.0			
	MRTM	0	eP	41 41.9				eS	1 52.2	8	4		4.0	8.0				
	MTYM	0	eP	41 46.0				eS	1 59.7	7	4	2	6.3	5.7	7.0			
16	WKYM	II	iP	20 14 13.1				iS	1.0	67	156	30	0.1	0.1	0.1			
	SMT	0	P	14 17.8	-1	+1	-1	iS	3.8	5	3	1	0.2	0.3	0.2			
17	OSK	0	eX	13 07 31.-						10	6		3.6	2.6				
17	NGY	0	P	13 39 18.7	-2	+2	-4	S	1 0.3	12	11	5	2.0	2.2	1.8			
	HKN	0	P	39 25.0				eS	1 2.5	14	11	6	0.8	1.0	1.0			
	OSK	0	X	39 29.0						24	14	7	3.0	2.3	1.9			
	TYOK	0	eP	39 38.5						11	11		1.2	1.2		X	1 16.3	
17	UWJM	0	eP	18 03 15.2				iS	5.2									
18	WKYM	II	iP	09 56 07.0				iS	5.3	238	196	90	0.2	0.2	0.2			和歌山県西岸
	TKSM	0	eP	56 09.6				iS	5.4									W coast of Wakayama pref.
	SMT	I	iP	56 10.2	+4		+3	eS	4.5	49	23	16	1.1	0.8	1.9	iX	6.4	
	TRGS	0	P	56 14.4														
	SMSK	I	iP	56 15.8	+4	-5		iS	10.3	82	100	83	0.6	0.4	0.6			33° 51′ 135° 00′ 10Km
	KOB	0	iP	56 17.1	+10	-7	+13	iS	11.2									
	TKMT	0	iP	56 17.5				iS	12.0	35	58		1.4	1.4				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	OSK	0	P	56 17.9			+5	S	12.8	78	101	35	2.4	1.2	1.4			
	OWS	II	eP	56 17.9	(+)		(-)	eS	13.3	145	68	73						
	MRTM	0	iP	56 18.0	+1	+2	-3	iS	12.5	46	35	14	1.4	1.4	0.9			
	HMJ	0	eP	56 20.0				eS	12.9									
	NR	0	eP	56 21.0				S	14.6									
	OKYM	0	iP	56 22.2	-1	+2	-1	iS	16.6	31	45	6	0.4	0.4	0.3			
	KYT	0	iP	56 23.4	+1	(+)	+1	eS	18.7	24	24	9	1.1	1.1	0.9			
	HKN	0	eP	56 30.7				S	27.2	85	73	18	1.4	1.6	1.3			
	TYOK	0	eP	56 31.6				eS	22.4	69	96	15	1.0	1.2	0.9			
	TTR	0	P	56 33.0				S	21.3									
	NGY	0	P	56 35.0				S	30.0	35	44	15	1.2	0.8	1.0			
	MTYM	0	eP	56 35.3				iS	23.2	13	14	7	1.2	0.6	0.8			
	YNG	0	eP	56 35.9				eS	24.3									
	MTE	0	eP	56 38.9				S	26.5									
	HRSM	0	eP	56 40.-				S	27.-	9	3	3	2.4	3.1	1.6			
	HMD	0	eP	56 47.2				eS	32.6	6		4	2.0		1.4			
	SIG	0	eP	56 49.9	+1	(-)	+1	eS	36.9	10	20		1.4	1.4				
18	HKN	I	eP	12 51 07.5				iS	3.6	52	43	17	0.6	0.5	0.4			
	NGY	0	P	51 10.8				S	5.8	8	3		0.6	0.6				
	NR	0	eP	51 28.0														
18	TYOK	0	S	12 52 44.0						9	4		1.1	1.1				
18	MIZR	IV	iP	16 12 00.3				iS	2.7	2000	4000	4800	0.0	0.0	0.0			京都府中部 Middle of Kyoto pref. {35°13′ 135°25′ 10Km
	KYT	III	eP	12 20.0	+16	-150	-96	iS	5.6	2850	2200	700	0.0	0.0	0.0			
	TYOK	II	iP	12 28.2	-146	+189	-100	iS	7.0	4800	2700	200	1.2	1.2	1.0			
	OSK	III	iP	12 28.5	-24	-4	+221	S	7.5	1650	1500	750	1.9	1.6	1.6			
	KOB	II	iP	12 28.8	-115	+37	+149	iS	8.2	550	1050	750	1.6	1.0	1.4			
	HMJ	II	iP	12 29.9	+49	+38	-43	iS	9.3									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	NR	III	iP	12 30.3	-22	+28	+67	iS	9.2	1450	1950	400	1.6	1.6	1.4			
	HKN	II	iP	12 30.5	+23	-225	-89	S	10.4		192				3.7			
	SMT	II	iP	12 34.2	-36	-31	+47	S	14.0	320	408	144	1.4	0.5	2.9			
	WKYM	I	iP	12 35.1	-167	+21	+20	iS	14.3	564	667	110	0.3	0.3	0.3			
	TTR	II	iP	12 35.3	-29	+86	-85	iS	12.9	550	400	250	2.0	4.4	2.6			
	NGY	II	P	12 36.4	+2	-209	-114	S	22.4	194	263	155	1.8	1.3	1.4			
	OWS	I	eP	12 37.0	(-)	(+)	(+)	iS	23.0	275	327	168	0.5	0.5	0.7			
	OKYM	II	iP	12 40.2	+10	+20	-11	iS	17.8	500	600	300	1.0	1.0	1.5			
	TKSM	II	iP	12 42.4	-10	-6	+6	iS	17.2	610	1070	345	0.2	0.2	0.2			
	TKMT	II	iP	12 43.4	+13	+11		iS	18.2	1650	1450	250	0.8	1.3	0.5			
	YNG	I	P	12 46.7	+6	+6	-7	S	23.9	200	400	300	1.1	0.6	1.1			
	SMSK	0	P	12 47.2	-5		+3	iS	28.0	124	149	175	1.6	2.4	1.4			
	SIG	X	P	12 47.4	-1	(+)	-1	iS	24.2	329	295	250	2.0	2.2	1.8			
	MTE	I	P	12 48.7	(-)	+4	-9	iS	30.1									
	TRGS	I	P	12 50.2				S	20.2	318	250		2.1	1.8				
	MRTM	0	iP	12 53.4	-1	(-)	+1	S	33.0	157	272	111	2.0	2.0	1.8			
	KOCH	I	iP	12 57.7	-5	-2	+4	iS	28.9									
	HRSM	X	P	12 58.1	(+)	+4	-3	S	32.2	165	91	110	3.8	2.8	1.8			
	MTYM	I	eP	12 59.3				iS	32.2	280	197	110	2.6	2.6	1.3			
	HMD	X	P	13 01.0	+1		-4	S	36.0	67	75	73	2.2	4.2	4.4			
	UWJM	0	eP	13 10.-				eS	43.-									
	SMZ	0	eP	13 11.5				S	41.5	114	106	45	2.1	2.2	2.2			
18	MIZR	III	iP	16 12 59.5						1800	2700	1000						京都府中部 Middle of Kyoto pref. {35° 10′ 135° 23′ 40Km
	TYOK	I	iS	13 01.4						1700	800		1.2	1.1				
	KYT	II	eP	13 21.4				eS	5.2	500	500	65	0.0	0.0	0.0			
	SMT	0	eP	13 28.2				S	15.0	94	148	26	1.6	1.6	1.2			
	TTR	II	eP	13 31.2				iS	11.5	200	100	150	1.2	1.2	1.0			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Anplitude Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	KOB	0	iS	13 32.0														
	OKYM	I	P	13 35.0			(-)	iS	18.0	210	205	82	0.5	0.5	1.5			
	KOCH	0	eS	14 23.9														
18	MIZR	I	iP	16 19 31.3						1300	1000	700						
	KYT	II	eP	19 59.0				iS	5.2	125	225	39	0.0	0.0	0.0			京都府
	TYOK	I	iP	20 01.5	-6	+9	-12	iS	7.0	212	176	95	1.1	1.0	0.5			中部
	OSK	0	iP	20 02.5			+14	iS	8.6	60	44	15	4.0	1.2	1.4			
	KOB	0	iP	20 03.0				iS	7.8									Middle
	NR	0	iP	20 04.1			+8	iS	9.6									of
	WKYM	0	eX	20 08.1						25	29		0.4	0.4				Kyoto
	SMT	0	iP	20 09.0	-1	(-)	+1	S	13.5	13	20	7	0.5	0.5	1.0			pref.
	TTR	0	iP	20 09.4	-2	+6	-6	iS	13.3									
	OKYM	0	iP	20 14.2	+2	(+)	-1	iS	17.2	44	49	8	0.4	0.4	0.4			(35°14′
	NGY	0	P	20 15.6				S	18.4	17	18	8	0.8	0.8	0.8			135°20′
	OWS	0	eP	20 16.3	(-)	(+)	(+)	iS	18.1	14	17	5	0.2	0.4	0.4			0Km)
	TKSM	0	eP	20 16.7				eS	17.3									
	YNG	0	eP	20 20.4				iS	23.9									
	SIG	0	eP	20 23.6	(-)	(+)	(-)	iS	25.5	15	13		0.6	0.8				
	MTYM	0	eP	20 37.0				eS	34.3	11	16	5	0.7	0.6	0.8			
	MTE	0	eS	20 49.6														
18	KYT	I	eP	16 26 01.7				eS	5.3	20	51	5	0.0	0.0	0.0			
	MIZR	I	eP	26 —														
	TYOK	0	jP	26 10.9	-6	+6		iS	6.8	18	14		1.0	1.0				
	KOB	0	eX	26 14.0														
	NR	0	eP	26 16.1				S	8.8									
18	KYT	0	eP	16 48 27.0				eS	5.5	11	26	3	0.0	0.0	0.0			
	NR	0	eP	48 33.1				iS	9.2									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	TYOK	0	iS	48 37.3						13	10		1.2	1.2				
	KOB	0	eX	48 59.0														
18	MIZR	0	iP	16 53 44.8														
18	MIZR	0	iP	16 53 48.8														
18	MIZR	0	iP	16 57 33.0														
18	MIZR	0	iP	17 02 10.1														
18	MIZR	0	iP	17 07 10.3														
18	UWJM	I	iP	17 09 19.0	-2	-5		iS	5.4									
	MTYM	0	eP	09 26.3				eS	9.7	5	10	2	0.6	0.7	0.5			
18	MIZR	0	iP	17 30 32.2														
18	MIZR	0	iP	18 02 10.9	185	368	370	iS	8.1									
18	MIZR	0	iP	18 05 35.3				iS	3.0									京都府
	KYT	0	eP	05 38.5				eS	5.5	18	15	4	0.0	0.0	0.0			中部
	TYOK	0	eP	05 40.8				eS	6.2		21	12		0.8	0.4			Middle
	KOB	0	eP	05 41.4				eS	8.1									of
	NR	0	eP	05 43.8				iS	8.5									Kyoto
	HKN	0	eP	05 45.5				S	11.4	8	5		0.8	0.8				pref.
	OSK	0	iP	05 50.2	-3	-9				4	9		0.2	0.8				(35°14′
	OKYM	0	P	05 53.4				iS	17.0	11	11	3	0.3	0.3	0.3			135°18′
18	MIZR	0	iP	18 17 19.2														10Km)
18	MIZR	0	iP	18 23 38.1	368	377		iS	2.5									
18	MIZR	0	iP	18 42 52.6				iS	3.0									
18	MIZR	0	iP	20 06 11.8				iS	3.2									
	KYT	0	eP	06 16.0				iS	5.2	3	5		0.0	0.0				
18	MIZR	0	iP	20 32 08.3				iS	3.2									
18	MIZR	0	iP	20 43 52.0				iS	3.2									
18	MIZR	I	iP	21 04 11.7				iS	3.4									

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	KYT	0	eP	04 14.6				iS	5.6	10	23	2	0.0	0.0	0.0			
	TYOK	0	eP	04 17.9				iS	7.0	15	11		1.2	1.2				
18	MIZR	0	iP	21 16 52.8				iS	3.0									
18	KYT	0	eP	22 10 11.5				iS	5.5	1	5		0.0	0.0				
18	MIZR	0	iP	22 42 24.1	371	552	377	iS	3.1									
	KYT	0	eP	42 27.0				iS	5.5	4	11		0.0	0.0				
18	MIZR	I	iP	23 48 33.3				iS	2.1									
	KYT	0	eP	48 36.0				iS	5.6	5	6		0.0	0.0				
	TYOK	0	eP	48 39.9				iS	5.7	15	13		0.8	0.4				
19	KYT	0	eP	00 40 31.2			-1	iS	5.3	5	8		0.0	0.0				
19	MIZR	0	iP	01 44 37.9		364		iS	1.9									
19	KYT	0	eP	01 45 40.5				eS	5.5	1	5		0.0	0.0				
19	SMSK	0	P	03 46 31.4				S	6 25.5	47		10	4.5		1.2			
	OWS	0	iP	46 33.2	+1	(+)	-1			15	19	6	1.8	1.3	1.3	eX	1 13.6	
	MRTM	0	iP	46 34.9	-1	(+)	-1	iS	6 30.2	23	35	12	6.2	6.0	5.4			Solomon
	SMT	0	eP	46 35.4				eS	6 31.6	25	27	10	6.1	4.2	1.7	iX	3.6	Is.
	SMZ	0	iP	46 38.3	-4	+2	-12	iS	6 29.7	25	30	17	5.7	5.4	2.4			
	NGY	0	P	46 39.0				S	6 33.0	43	38	13	2.9	2.6	3.2			10° 6' S
	TKYS	0	P	46 39.5	-4	+3	-8	S	6 31.5									159° 54' E
	TKSM	0	eP	46 39.6				eS	6 30.3									538 Km
	KYT	0	eP	46 40.2						13	16	6	5.5	5.2	2.0	eX	6 35.8	
	KOCH	0	iP	46 40.3	-2	+2	-6	iS	6 30.2									
	OSK	0	P	46 40.5			-10	eS	6 32.-	94	54	15	4.1	4.3	4.6			
	KOB	0	eP	46 41.1				eS	6 40.0									
	HKN	0	eP	46 42.6				S	6 33.4	35	37	8	5.2	4.9	1.9			
	TKMT	0	eP	46 43.2				eS	6 33.2	23	21		6.3	5.0				
	OKYM	0	P	46 44.2	(-)	(+)	(-)	S	6 36.-	19	13	9	3.2	5.2	3.6			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	MTYM	0	iP	46 45.4	-4	+4		iS	6 36.3	25	28		3.8	4.2				
	HRSM	0	eP	46 48.1	(-)	+3	-7	eS	6 39.8	30	12	8	5.4	5.9	1.4			
	TYOK	0	iP	46 48.5	-10	+6	-17	iS	6 28.5	40	24	13	1.2	2.8	2.1			
	HMD	0	P	46 52.4	-3		-8	S	6 42.4	46	20	12	3.8	4.0	2.4	eX	1 46.2	
	SIG	0	P	46 55.6	-1	(+)	-1	S	6 47.9	27	14		2.6	4.4		X	1 45.0	
19	SMT	0	P	04 03 32.0			(-)	S	5 20.3	5	3	4	3.4	3.8	3.9			
	OSK	0	eP	03 37.-						17	9	5	3.9	3.8	2.8			
	NGY	0	P	03 43.7				S	5 30.3	7	5		3.2	3.4				
19	MIZR	0	iP	04 45 56.7	187	735	567	iS	2.8									
	KYT	0	eP	46 00.0				eS	5.5	5	13		0.0	0.0				
19	UWJM	0	eP	04 54 01.-				iS	5.-									
19	MIZR	0	iP	07 09 08.2				iS	3.5									
	KYT	0	eP	09 11.5				eS	5.5	4	5		0.0	0.0				
19	MIZR	I	iP	10 06 00.8				iS	2.9									
	TYOK	0	iS	06 14.6						14	11		0.8	0.4				
19	UWJM	0	iS	10 24 01.7														
19	MIZR	0	iP	11 16 01.3														
19	UWJM	0	eP	12 06 00.-				iS	6.-									
19	UWJM	I	eP	12 40 34.6				iS	5.0									
19	NGY	0	P	14 39 44.0				S	29.0	6	8	4	1.0	1.1	1.0			
	HKN	0	eP	39 58.4						13	9	3	1.0	0.8	0.6			
	TYOK	0	eS	40 08.5						9	6		1.2	1.2				
20	TYOK	0	eP	14 44 16.4				eS	39.0									
20	KOB	0	eP	13 42 11.6				eS	2.4									
21	TYOK	0	eP	01 30 21.0				iS	7.2	16	10		1.1	1.1				
21	OKYM	0	iX	01 30 51.6						6	4	1	0.4	0.4	0.4			
21	KYT	0	eP	07 43 54.0				eS	5.2	12	16	3	0.0	0.0	0.0			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	TYOK	0	eP	43 58.6				iS	4.8	28	21	13	1.0	1.2	0.5			京都府中部
	NR	0	eP	43 59.6				S	9.3									
	MIZR	I	iP	44 01.2				iS	2.0									Middle of Kyoto pref.
	SMT	0	P	44 04.5			(+)	iS	13.5	5	5	2	0.3	0.3	0.2			
	OKYM	0	P	44 10.2				S	16.4	9	7	1	0.5	0.5	0.4			35° 12′ 135° 21′ 10Km
	TKMT	0	eP	44 12.1				S	18.3	7	4	4	0.6	0.8	0.8			
21	MIZR	0	iP	22 45 20.9				iS	2.8									
22	MIZR	0	iP	00 26 08.9														
22	MIZR	0	iP	00 46 24.7				iS	2.8									
22	KYT	0	eP	01 44 29.3				iS	5.3	3	7		0.0	0.0				
22	MIZR	I	iP	09 46 16.2				iS	3.1									
	KYT	0	eP	46 34.0				eS	4.9	10	30		0.2	0.2				
22	TYOK	0	eP	10 17 35.7				iS	6.1	13	9		1.0	1.0				
22	MIZR	I	iP	13 16 57.5				iS	1.7									京都府中部
	KYT	0	iP	16 58.6	+1	−1	−2	iS	5.6	14	14	3	0.2	0.0	0.6			Middle of Kyoto pref
	NR	0	eP	17 02.6				S	11.3									
	TYOK	0	iS	17 07.3						22	11		1.0	0.7				35° 5′ 135° 17′ 0Km
	SMT	0	P	17 09.0	(+)	(−)	(+)	S	12.5	5	4	1	0.3	0.3	0.3			
	OKYM	0	eP	17 13.5	(+)			S	16.9	6	6	1	0.5	0.5	0.3			
22	UWJM	0	eP	14 15 18.–				iS	5.–									
23	UWJM	0	P	07 45 28.3				S	3.2									
23	MIZR	II	iP	16 24 58.8				iS	2.8									京都府中部
	KYT	0	iP	25 02.3	+1	−1	−3	S	5.2	15	16	7	0.7	1.2	0.9			Middle of Kyoto pref.
	TYOK	0	eP	25 04.9				iS	7.0	55	39	12	1.1	1.1	0.6			
	HKN	0	P	25 08.1				iS	10.0	10	11		0.4	0.4				35° 15′ 135° 20′ 10Km
	NR	0	eP	25 08.9				iS	8.3									
	SMT	0	P	25 12.8	−1	(−)	(+)	S	13.1	8	8	2	0.3	0.3	0.2			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	TTR	0	eP	25 13.2				iS	13.2									
	KOB	0	eS	25 13.7														
	OKYM	0	iP	25 18.0	(+)	(+)	(−)	iS	17.6	18	13	4	0.5	0.5	0.4			
	NGY	0	P	25 19.6				S	17.6	5	5		1.0	0.9				
	TKMT	0	eP	25 20.0				S	19.1	10	8	2	8.8	0.6	1.0			
23	MIZR	I	iP	18 48 14.0				iS	3.2									
	KYT	0	eP	48 16.2				iS	5.2	4	10		0.0	0.0				
23	UWJM	I	eP	20 37 23.7				iS	5.3									
23	HKN	0	eS	20 46 46.3						8	9	2	0.8	0.8	0.8			
23	UWJM	III	iP	22 06 00.3	+23	−44	−100	iS	4.9	1000	1300							
	MTYM	I	iP	06 05.0	+14	+14	+10	iS	8.8	271	568	123	0.7	0.7	1.0			豊後水道
	SMZ	0	P	06 09.0				S	9.7	64	90	68	0.6	0.6	0.7			
	KOCH	0	iP	06 10.6	(+)	+4	+2	iS	10.9									W coast of Ehime pref.
	HRSM	I	iP	06 11.9	−2		−3	iS	13.4	28	30	23	0.5	1.4	0.5			
	MRTM	0	iP	06 16.4		(+)	(+)	iS	18.1	23	24	9	0.6	1.6	1.4			
	HMD	0	P	06 19.4		+3		S	20.2	9		11	0.9		0.8			
	OKYM	0	eP	06 21.6		(+)		iS	27.2	47	52	13	0.5	0.5	0.5			33° 18′ 132° 23′ 40Km
	TKMT	0	eP	06 22.5				iS	23.8	48	71	39	0.4	1.4	0.3			
	TRGS	0	P	06 23.7														
	TKSM	0	eP	06 27.8				eS	24.4									
	MTE	0	eP	06 28.0				eS	30.1									
	YNG	0	P	06 30.0				iS	28.7									
	SMT	0	eP	06 34.0				eS	30.0	17	9	10	0.8	1.8	2.1	eX	12.5	
	TTR	0	eP	06 37.8				iS	32.3									
	WKYM	0	eX	06 39.3						20	23		0.4	0.4				
	KOB	0	eP	06 42.2				eS	32.9									
	SIG	0	eP	06 45.3	+2	+1	+1	S	38.3	18	13		1.6	2.0				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	TYOK	0	eP	06 46.7				eS	34.8	69	76	11	1.0	1.0	0.6			
	HKN	0	eP	06 50.2						16	11	3	1.0	1.0	0.9	eX	1 2.1	
	OSK	0	eP	06 50.5				S	35.5	32	18	12	3.1	1.8	2.0			
	NGY	0	P	06 56.0				S	50.8	6	7		2.4	2.8				
24	MIZR	I	iP	11 06 12.3				iS	2.9									
	KYT	0	eP	06 14.9				eS	5.3	5	8		0.0	0.0				
	TYOK	0	X	06 24.4						10	7		1.1	1.0				
25	KYT	0	eP	06 10 43.6				iS	5.5	5	7	1	0.4	0.0	0.8			
	TYOK	0	P	10 44.9				iS	7.1	7	7		0.6	0.6				
	MIZR	0	iP	10 46.5				iS	2.9									
25	NGY	0	P	18 09 17.0				S	1 28.0	63	73	21	2.8	2.6	2.6			
	HKN	0	eP	09 23.3				eS	1 32.8	32	29	14	2.9	1.8	1.7			岩手県沖
	KYT	0	eP	09 26.3				eS	1 45.8	10	6	3	6.8	8.2	7.0			
	NR	0	eP	09 31.6														E off N - Honshu
	OSK	0	eP	09 32.3						52	32	12	3.5	3.6	2.7	X	2 23.7	
	TYOK	0	P	09 32.4	(-)	(-)		eS	1 37.5	19	17	8	1.2	1.1	1.8			
	SMT	0	eP	09 38.4				eS	1 53.2	9	9	4	6.4	5.2	4.2			40° 2′ 143° 33′ 30Km
	SIG	0	eP	09 39.6	-1	(-)	(+)	eS	1 45.3	7	6		4.0	4.2				
	OKYM	0	eP	09 44.5			(+)	eS	1 59.-	4	5	6	2.6	3.0	3.6			
	OWS	0	iP	09 46.0	(+)	(+)	(-)	iS	1 41.6	5	5	6	4.6	4.1	4.6			
	TKMT	0	eP	09 46.8				eS	2 15.5	9	6		16.5	16.5				
	SMSK	0	eP	09 56.9				eS	1 51.4	10	9		2.8	3.3				
	HRSM	0	eP	10 01.9				eS	2 4.2	6	6	5	12.4	15.9	3.0			
	MRTM	0	eP	10 05.5						6	8		7.0	4.0		eX	2 14.5	
25	HKN	0	eP	18 15 35.3				eS	1 32.1	15	23	10	2.3	1.8	1.8			岩手県沖
	KYT	0	eP	15 43.0				eS	1 30.0	7	6	3	6.0	6.5	6.7			E off N - Honshu
	TYOK	0	eP	15 47.7				eS	1 41.8	13	16	7	1.4	1.2	1.7			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec.) N	E	Z	Pha.	p-Pha. m s	Remarks
	NGY	0	P	15 52.6				S	1 23.4	43	35	9	2.6	2.6	2.6			
	SMT	0	eP	15 56.1				eS	1 52.2	7	5	4	5.8	8.0	5.5			40° 2′ 143° 32′ 50Km
	OKYM	0	eP	16 00.8			(+)	eS	1 59.-	3	4	5	3.0	2.8	2.8			
	OSK	0	X	16 11.0						27	24	8	3.4	4.0	2.1			
	OWS	0	iP	16 12.2	(+)	(+)	(-)	eS	1 32.8	3	4	5	3.2	3.2	5.0			
	MRTM	0	eX	16 24.2								6			4.2	eX	1 55.8	
26	MIZR	I	iP	01 49 49.3				iS	3.0									
	KYT	0	iP	50 11.2			+1	iS	5.6	9	30	2	0.0	0.0	0.3			
	TYOK	0	eP	50 16.9				iS	3.8	13	7		1.0	1.2				
26	UWJM	I	P	05 50 31.4				iS	4.9									豊後水道
	MTYM	0	iP	50 37.9	+3	+3	+1	iS	8.0	40	79	21	0.6	0.6	0.4			
	SMZ	0	eP	50 40.9				eS	9.0	11	10	8	0.6	0.6	0.7			W coast of Ehime pref.
	HRSM	0	P	50 43.8				S	14.0	9	8	4	0.2	0.2	0.5			
	KOCH	0	eP	50 44.2				eS	13.5									
	TKMT	0	eP	50 55.9				iS	11.1	6	6		0.6	0.8				33° 17′ 132° 19′ 40Km
	OKYM	0	eP	50 56.0				S	25.-	7	6	1	0.5	0.5	0.5			
	TKSM	0	eP	51 05.0				eS	24.3									
	TYOK	0	X	51 19.7						13	11		1.2	1.1				
26	SMT	0	P	06 18 50.6	(+)	(+)	-1	iS	1.7	9	4	3	0.2	0.2	0.2			
26	WKYM	I	iP	07 11 02.7				iS	0.6	19	22		0.1	0.1				
27	UWJM	0	eP	17 56 26.8				iS	5.2									
27	KYT	III	iP	21 58 47.3	-9	-11	+46	iS	1.7	2100	2000	450	0.0	0.0	0.0			京都市付近
	NR	III	iP	58 53.6	-11	+6	+62	iS	5.6	600	700	500	0.9	0.9	1.0			Near - Kyoto
	OSK	III	iP	58 53.9	-11	-12	+21	iS	5.7	1500	2000	300	0.7	0.8	1.5			
	HKN	I	iP	58 55.2	-12	-17	-5	iS	7.9	243	218	47	1.3	0.6	2.0			35° 00′ 135° 45′ 10Km
	MIZR	II	iP	58 56.1	+10	+6	+8	iS	6.3									
	KOB	II	iP	58 57.0	+15	+35	-28	iS	8.3	550	500	300	0.6	0.6	0.6			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	HMJ	0	iP	59 02.3	+10	+27	-25	iS	12.2									
	WKYM	I	P	59 03.3	+15			iS	11.4	258	258	100	0.4	0.3	0.3			
	TYOK	I	iP	59 03.6	-10	+16	-10	S	12.3	545	357	105	1.1	1.2	0.4			
	NGY	0	P	59 03.6	-4	-23	-4	S	13.0	43	54	19	0.6	0.6	0.6			
	SMT	I	iP	59 03.8	+3	+2	-5	iS	13.9	103	101	30	0.8	0.9	1.2			
	OWS	I	eP	59 04.0				iS	13.4	79	83	38			1.0			
	TTR	I	iP	59 10.5	(-)	+4	-6	iS	19.1	100	100	100	1.0	1.0	1.0			
	SMSK	0	eP	59 11.0				S	23.7	40	31	60	1.0	1.4	1.9			
	OKYM	I	P	59 12.0	(+)	(+)	-1	iS	20.8	65	70	22	0.5	0.5	1.0			
	TKSM	I	iP	59 12.0	-3	-2	+2	iS	17.2	165	240	60	0.2	0.1	0.1			
	TKMT	0	eP	59 12.4				eS	22.6	79	77	30	1.0	1.0	1.0			
	YNG	0	eP	59 21.5				iS	26.5									
	MRTM	0	eP	59 25.6				S	29.5	28	14	13	1.0	0.8	2.0			
	MTE	0	eP	59 26.9				S	27.8									
	SIG	0	eP	59 27.2	(-)	(+)	(-)	iS	29.8	34	25		1.4	1.4				
	KOCH	0	iP	59 28.2				eS	27.5									
	MTYM	0	eP	59 29.8				eS	34.5	31	25	12	0.7	0.6	1.4			
	TRGS	0	P	59 19.3														
	HMD	0	P	59 34.4		+1	-1	S	41.2	11	7	11	2.7	2.2	2.0			
	HRSM	0	eP	59 36.2				S	36.5	10	10	16	1.2	2.9	1.2			
	SMZ	0	eP	59 50.4				eS	39.6	10	14	6	2.8	2.4	2.3			
27	KYT	II	iP	22 52 57.4	-5	-4	+26	iS	1.7	160	261	67	0.0	0.0	0.0			京都市付近 Near Kyoto 35° 1′ 135 46 10Km
	MIZR	II	iP	53 02.1				iS	9.5									
	NR	II	iP	53 02.4	-4	-3	+18	iS	5.4	200	400	200	0.6	0.6	0.8			
	HKN	I	iP	53 03.5	-12	-17	-9	iS	5.6	213	126	28	0.7	0.7	0.8			
	OSK	I	P	53 03.6			+8	S	5.8	59	80	29	1.7	1.2	0.6			
	KOB	I	iP	53 07.5	+4	+4	-4	iS	8.1									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N	E	Z	Period(sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	WKYM	0	P	53 12.0				S	11.3	37	31		1.0	1.0				
	HMJ	0	iP	53 13.2	+2	+10	-11	iS	11.4									
	TYOK	X	iP	53 13.3	-5	+11	-5	s	12.2	105	101	48	1.0	0.4	0.4			
	NGY	0	P	53 13.7	-2		-16	s	11.9	20	20	12	0.8	0.6	0.6			
	OWS	X	eP	53 13.9				iS	13.5	29	20	11						
	SMT	0	P	53 14.0	(+)		-1	iS	13.2	12	13	4	1.2	1.0	1.1			
	TTR	0	eP	53 20.3				S	19.0									
	TKSM	0	eP	53 21.8				eS	17.0									
	SMSK	0	eP	53 22.0				eS	23.0	8	8	8	1.0	1.6	1.2			
	OKYM	0	eP	53 22.1				S	21.5	16	22	4	0.5	0.5	0.5			
	TKMT	0	eP	53 23.4				eS	20.8	11	10		1.0	0.6				
	SIG	0	eP	53 36.7	(-)	(+)	(-)	S	29.3	6	7		0.6	0.4				
	MRTM	0	eP	53 36.9				eS	28.6		5			1.2				
28	WKYM	0	P	00 05 47.9				iS	1.1	13	21		0.1	0.1				
28	WKYM	0	iP	06 50 41.9				iS	0.5	45	40		0.1	0.1				
28	SMZ	0	eP	10 16 30.1				eS	2.6	6	12	10	0.2	0.3	0.4			
28	UWJM	0	eP	11 23 22.7				iS	5.1									
28	MIZR	II	iP	16 21 26.4				iS	3.4									京都府中部 Middle of Kyoto pref. 35° 11′ 135° 18′ 10Km
	KYT	I	eP	21 29.5				eS	5.3	21	35	45	0.2	0.0	0.7			
	TYOK	0	P	21 33.2				iS	5.6	19	15	8	1.0	1.0	0.7			
	NR	0	eP	21 35.8				S	9.1									
	SMT	0	eP	21 39.7				S	12.5	6	6	1	0.4	0.4	0.5			
	HKN	0	S	21 45.3						8	7		0.6	0.6				
29	SMZ	0	eX	05 46 59.0						21	19	35	4.4	4.4	4.5	eX	3 49.7	
	MRTM	0	eX	47 02.8														
	TKMT	0	eP	47 08.0				eS	4 55	5	6		8.1	6.7				
	SMSK	0	eX	47 12.0						10	9		4.3	4.1				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	OKYM	0	eP	47 12.2	(+)		(+)	eS	4 2.-	4	9	9	4.4	4.5	5.0			
	SMT	0	P	47 12.9			(-)	eS	4 2.8	9	8	7	4.2	4.8	4.6			
	OSK	0	eP	47 20.9						35	26	11	4.0	3.6	2.2			
	SIG	0	eX	47 22.5						10	6		4.0	4.2				
	TYOK	0	P	47 23.5						6	9	5	7.3	7.5	5.5	X	4 14.0	
	HKN	0	eP	47 27.1						12	16		3.8	3.8		eX	4 21.9	
	NGY	0	P	47 29.8				S	4 22.2	12	17	9	3.2	2.8	4.4			
30	UWJM	II	eP	09 10 46.3				iS	5.4									
	MTYM	0	eP	10 51.0				iS	8.8	4	7	2	0.6	0.6	0.5			
30	NGY	0	P	11 46 32.4				S	1 24.0	18	16	5	3.2	2.6	2.2			
	HKN	0	eP	46 37.8				eS	1 26.7	8	7	3	1.8	1.9	19			
	TYOK	0	eP	46 38.7						9	11		1.1	1.0				
	OSK	0	eP	47 05.9						13	8	5	2.9	3.1	2.0			
31	MTYM	0	eP	01 42 36.7				iS	7.3	15	18	7	0.5	0.6	0.4			
	UWJM	0	eP	42 38.5				iS	8.0									
31	NGY	0	P	06 02 39.5				S	14.8	6	5		0.6	0.6				
31	MIZR	0	iP	06 12 01.4														
31	MIZR	II	iP	11 14 16.8		+9		iS	2.4									京都府中部 Middle of Kyoto pref.
	KYT	II	iP	14 18.5			-9	iS	5.5	87	167	20	0.0	0.0	0.0			
	TYOK	X	P	14 20.3	-4	+7	-12	iS	7.4	163	124	71	1.1	0.8	0.6			
	KOB	I	iP	14 21.5	-6	+4	+9	iS	7.6									
	OSK	X	iP	14 21.6	-4	+6	+10	S	7.8	20	34	12	0.9	0.7	0.4			
	HMJ	I	P	14 23.0				iS	9.3									
	NR	I	iP	14 23.6			+4	iS	9.8	50	50	50	1.1	1.1	0.9			35° 14′ 135° 19′ 10Km
	HKN	0	iP	14 24.6	-3	-10	-5	S	10.1	15	20	4	0.6	1.0	0.4			
	SMT	0	P	14 28.5	-1	(-)	+1	iS	13.0	17	16	6	0.3	0.4	0.3			
	TTR	0	iP	14 28.7	-2	+6	-2	iS	13.2									

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	WKYM	0	eX	14 31.0						17	10		0.7	0.7				
	OKYM	0	iP	14 33.2	+1	+2	(-)	iS	17.2	43	40	8	0.5	0.5	0.5			
	OWS	0	eP	14 34.5				iS	18.3	9	9	4		1.0				
	TKSM	0	eP	14 34.7				iS	17.0									
	TKMT	0	eP	14 34.9				iS	18.7	24	28	17	1.0	1.2	0.8			
	NGY	0	P	14 35.2				S	17.8	8	9	6	0.8	0.8	0.8			
	SIG	0	eP	14 44.0			(+)	S	24.4	9	5		0.4	0.6				
	MTYM	0	P	14 49.0														
31	HMD	0	eP	19 57 41.6				eX	8 39.6	28	20	27	17.4	15.5	14.4	eL	21 26.4	
	HRSM	0	eP	57 46.2			-1	S	8 21.5	38	42	38	17.4	17.3	16.5			
	SIG	0	eP	57 47.5				eX	8 17.3							eX	3 45.9	Iran
	MTYM	0	eP	57 49.5				eS	8 21.3	100	52	47	18.7	19.3	15.8			
	OKYM	0	eP	57 52.0				eS	8 3x-	14	25	35	16.0	15.0	15.0			34° 0′ N 59° 0′ E 113Km
	SMZ	0	eP	57 53.5				eS	9 9.5	29	24	46	13.5	16.6	14.8			
	TKMT	0	eP	57 54.4				eS	8 28.9	39	33	20	18.6	16.5	15.5			
	KOCH	0	eP	57 54.5				eS	8 19.8									
	SMT	0	P	57 56.6			(+)	S	8 28.0	30	31	29	15.3	14.8	16.0	L	14 57.-	
	MRTM	0	P	57 57.7				eX	8 28.3	49	57	50	15.0	13.0	14.8	eX	23 42.4	
	TYOK	0	P	57 59.0				eS	8 22.0	58	57	54	20.1	15.2	10.5	eL	15 13.0	
	KYT	0	eP	58 01.4				eS	8 32.6	16	28	19	15.3	15.6	16.0			
	TKYS	0	eP	58 02.-				eS	8 25.-									
	HKN	0	eP	58 03.5				eS	8 34.1	41	36	24	16.6	15.5	20.3			
	WKYM	0	eP	58 05.2				eS	8 23.8	50	40	30	18.3	17.5	15.7			
	OWS	0	iP	58 05.5	(+)	(-)	(-)	eS	8 8.9	28	18	38	7.1	5.6	7.3			
	NGY	0	P	58 07.2				S	8 18.4	32	18	19	15.2	15.0	16.6	L	16 23.-	
	SMSK	0	eP	58 09.4				S	8 35.3									
	OSK	0	eX	58 47.-						25	23	26	16.-	16.-	15.-	eL	24 —	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	Pha.	p-Pha. m s	Max. Amplitude Amp.(μ) N E Z	Period(sec) N E Z	Pha.	p-Pha. m s	Remarks
31	KYT	0	eP	17 28 04.5		iS	55	5 10	0.0 0.0			

Addition

23	OSK	0	eX	16 25 43.4				7 6	4.0 3.2			

International Seismological Centre

Report of earthquakes

Station without seismograph

August 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
1	Yahata	八幡	Wakayama	I	$20^h 00^m$	
1	Gobō	御坊	〃	II	22 01	
6	Ōsu	大州	Ehime	V	01 17	
	Uwa-machi	宇和町	〃	V	17	
	Shimokagi-yama	下鍵山	〃	V	17	
	Matsuno	松野	〃	V	17	
	Iwamatsu	岩松	〃	V	17	
	Saijyō	西条	〃	IV	17	
	Ōfuki	大保木	〃	IV	17	
	Hashihama	波止浜	〃	IV	17	
	Nakamura	中村	Kōchi	IV	17	
	Sukumo	宿毛	〃	IV	17	
	Egawasaki	江川崎	〃	IV	17	heard
	Tano	田野	〃	IV	17	
	Tadotsu	多度津	Kagawa	IV	17	
	Etajima	江田島	Hiroshima	IV	17	
	Kure	呉	〃	IV	17	
	Kurose	黒瀬	〃	IV	17	
	Shiraki	白木	〃	IV	17	
	Shōbara	庄原	〃	IV	17	
	Yoshida	吉田	〃	IV	17	heard
	Ōasa	大朝	〃	IV	17	
	Yutaka	豊	〃	IV	17	
	Sera	世羅	〃	IV	17	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Kisa	吉舎	Hiroshima	IV	h 17m	
	Wake	和気	Okayama	IV	17	
	Tamano	玉野	〃	IV	17	
	Yakake	矢掛	〃	IV	17	
	Fukuwatari	福渡	〃	IV	17	
	Tonosaki	東野崎	〃	IV	18	
	Tōhaku	東伯	Tottori	IV	20	
	Shinritsu	新立	Ehime	III	17	
	Ōshino	大篠	Kōchi	III	17	
	Ino	伊野	〃	III	17	
	Hongawa	本川	〃	III	17	
	Suzaki	須崎	〃	III	17	
	Miyai	美合	Kagawa	III	17	
	Chiyoda	千代田	Hiroshima	III	17	heard
	Ōtake	大竹	〃	III	17	
	Kake	加計	〃	III	17	
	Toyosaka	豊栄	〃	III	17	
	Funo	布野	〃	III	17	
	Mihara	三原	〃	III	17	
	In-no-shima	因島	〃	III	17	
	Mitsugi	御調	〃	III	17	
	Hiwa	比和	〃	III	17	
	Jōge	上下	〃	III	17	
	Fukuyama	福山	〃	III	17	heard
	Yoshiwo	吉和	〃	III	17	
	Saijyō	西条	〃	III	17	
	Saeki	佐伯	〃	III	18	
	Tsutsuga	筒賀	〃	III	18	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Matsunaga	松永	Hiroshima	III	h 18m	
	Takehara	竹原	〃	III	18	
	Yuki	油木	〃	III	20	
	Hatsukaichi	廿日市	〃	III	20	
	Yawata	八幡	〃	III	20	heard
	Kabe	可部	〃	III	20	
	Midori	美土里	〃	III	20	
	Kannabe	神辺	〃	III	20	
	Kaminagata	上長田	Okayama	III	17	
	Nagashima	長島	〃	III	17	
	Tamashima	玉島	〃	III	17	
	Kurashiki	倉敷	〃	III	17	
	Takahashi	高梁	〃	III	17	
	Susai	周西	〃	III	17	
	Tsuyama	津山	〃	III	17	
	Taisa	大佐	〃	III	18	
	Kuse	久世	〃	III	18	
	Yubara	湯原	〃	III	18	
	Sakai	境	Tottori	III	18	
	Shimosato	下里	Wakayama	III	18	
	Kami-yanase	上魚梁瀬	Kōchi	II	20	
	Aoya	青谷	Tottori	II	19	
	Misasa	三朝	〃	II	20	
	Kasumi	香住	Hyōgo	II	17	
	Rokutanji	六堪寺	〃	II	18	
	Akashi	明石	〃	II	19	
	Gobō	御坊	Wakayama	II	18	
	Ichikano	市鹿野	〃	II	20	

Date	Station		Prefecture	S. I.	Time (J.S.T)	Earthquake sound
	Shirahama	白浜	Wakayama	I	h 17m	
	Yamato-shinjyō	大和新庄	Nara	I	18	
	Kawakami	川上	〃	I	18	
	Yuhi	油日	Shiga	I	17	
6	Saijyō	西条	Ehime	I	03 10	
6	Ōsu	大州	〃	II	03 33	
	Saijyō	西条	〃	I	33	
6	Hongawa	本川	Kōchi	II	05 31	
6	Chiyoda	千代田	Hiroshima	III	05 50	
	Yoshida	吉田	〃	III	50	heard
	Shiraki	白木	〃	III	～	
	Ōasa	大朝	〃	II	50	
	Kure	呉	〃	II	51	
	Eta-jima	江田島	〃	II	52	
	Ōtake	大竹	〃	II	52	
	Kake	加計	〃	II	52	
	Yuki	油木	〃	II	52	
	Kabe	可部	〃	II	53	
	Funo	布野	〃	II	53	
	Sera	世羅	〃	II	55	
	Yawata	八幡	〃	II	～	heard
	Ōsu	大州	Ehime	II	52	
	Nagashima	長島	Okayama	II	52	
	Yakake	矢掛	〃	II	52	
	Hatsuka-ichi	廿日市	Hiroshima	I	50	
	Saeki	佐伯	〃	I	50	
	Mihara	三原	〃	I	50	
	Kannabe	神辺	〃	I	50	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	In-no-shima	因島	Hiroshima	I	h 51m	
	Saijyō	西条	〃	I	51	
	Fukuyama	福山	〃	I	52	
	Shōbara	庄原	〃	I	52	
	Kurose	黒瀬	〃	I	55	
	Toyosaka	豊栄	〃	I	55	
	Tsutsuga	筒賀	〃	I	～	
	Hashihama	波止浜	Ehime	I	52	
	Tadotsu	多度津	Kagawa	I	51	
6	Mihara	三原	Hiroshima	II	11 30	
	Kake	加計	〃	II	35	
	Ōasa	大朝	〃	II	35	
	Chiyoda	千代田	〃	II	35	
	Kure	呉	〃	II	35	
	In-no-shima	因島	〃	II	35	
	Shiraki	白木	〃	II	～	
	Sukumo	宿毛	Kōchi	II	35	
	Ino	伊野	〃	I	35	
	Hatsukaichi	廿日市	Hiroshima	I	31	
	Ōtake	大竹	〃	I	34	
	Tsutsuga	筒賀	〃	I	35	
	Saijyō	西条	〃	I	35	
	Kurose	黒瀬	〃	I	37	
	Fukuyama	福山	〃	I	～	
	Tonosaki	東野崎	Okayama	I	35	
6	Ino	伊野	Kōchi	III	13 20	
	Sukumo	宿毛	〃	III	21	
	Kisa	吉舎	Hiroshima	III	20	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Yakake	矢掛	Okayama	III	$^{h}22^{m}$	
	Ōsu	大州	Ehime	II	21	
	Hashihama	波止浜	〃	II	21	
	Nakamura	中村	Kōchi	II	22	
	Takehara	竹原	Hiroshima	II	20	
	Ōtake	大竹	〃	II	21	
	Kake	加計	〃	II	21	
	Kure	呉	〃	II	21	
	Ōasa	大朝	〃	II	22	
	Chiyoda	千代田	〃	II	22	
	Kabe	可部	〃	II	23	
	Yoshida	吉田	〃	II	23	
	In-no-shima	因島	〃	II	23	
	Yuki	油木	〃	II	23	
	Saeki	佐伯	〃	II	24	
	Fukuyama	福山	〃	II	27	
	Nagashima	長島	Okayama	II	22	
	Sakai	境	Tottori	II	22	
	Hatsukaichi	廿日市	Hiroshima	I	20	
	Matsunaga	松永	〃	I	21	
	Saijyō	西条	〃	I	21	
	Shōbara	庄原	〃	I	21	
	Kurose	黒瀬	〃	I	22	
	Sera	世羅	〃	I	23	
	Mihara	三原	〃	I	23	
	Tonosaki	東野崎	Okayama	I	13 22	
	Tamano	玉野	〃	I	22	
	Tadotsu	多度津	Kagawa	I	22	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
6	Sukumo	宿毛	Kōchi	II	$14^{h}25^{m}$	
7	Ōsu	大州	Ehime	I	23 32	
8	Ōsu	大州	〃	II	02 44	
	In-no-shima	因島	Hiroshima	I	45	
8	Ōsu	大州	Ehime	II	04 20	
8	Nakamura	中村	Kōchi	I	11 35	
8	Ōsu	大州	Ehime	I	20 28	
	In-noshima	因島	Hiroshima	I	27	
	Kure	呉	〃	I	29	
	Kake	加計	〃	I	30	
	Kabe	可部	〃	I	30	
	Shōbara	庄原	〃	I	30	
8	Ōsu	大州	Ehime	I	22 38	
9	Ōsu	大洲	〃	I	15 11	
15	Shirahama	白浜	Wakayama	I	03 24	
18	Gobō	御坊	〃	III	09 55	heard
	Shingū	新宮	〃	III	56	
	Rūjin	竜神	〃	III	10 00	heard
	Kiyokawa	清川	〃	II	09 56	
	Kibi	吉備	〃	II	57	
	Kurisu-gawa	栗栖川	〃	II	57	
	Shimosato	下里	〃	II	57	
	Tanabe	田辺	〃	II	58	
	Futatsuno	二津野	Nara	II	56	
	Kazaya	風屋	〃	II	56	
	Kawakami	川上	〃	II	56	
	Shirakawa	白川	〃	II	56	
	Yamato-shiniyō	大和新庄	〃	I	56	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Shirahama	白浜	Wakayama	I	h 57m	
18	Naka-no-gō	中之郷	Shiga	I	12 50	
18	Naka-kanbayashi	中上林	Kyōto	IV	16 12	
	Shimowachi	下和知	〃	IV	12	
	Fukuchi-yama	福知山	〃	IV	13	
	Miyazu	宮津	〃	IV	15	
	Kameoka	亀岡	〃	III	12	heard
	Kyōgasaki	経ヶ岬	〃	III	12	
	Miyama	美山	〃	III	12	heard
	Hieizan	比叡山	〃	III	13	
	Sonobe	園部	〃	III	13	
	Mizuho	瑞穂	〃	III	16	
	Muraoka	村岡	Hyōgo	III	12	
	Kasumi	香住	〃	III	12	
	Ikuno-minami	生野南	〃	III	12	
	Akashi	明石	〃	III	14	
	Tōgō	東郷	Ōsaka	III	13	
	Ichiba	市場	Shiga	III	12	heard
	Ōtsu	大津	〃	III	12	
	Yata	治田	〃	III	12	
	Shigaraki	信楽	〃	III	12	
	Kitakomatsu	北小松	〃	III	12	
	Yamatoshinzyō	大和新庄	Nara	III	12	
	Izushi	出石	Hyōgo	II	12	
	Rokutanji	六堪寺	〃	II	12	
	Tatsuno	竜野	〃	II	12	
	Kaibara	柏原	〃	II	12	heard
	Kaminogō	上之郷	Ōsaka	II	12	

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Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Minakuchi	水口	Shiga	II	h 12m	
	Mandokoro	政所	〃	II	12	
	Tsuchiyama	土山	〃	II	12	
	Hino	日野	〃	II	12	
	Nakanogō	中之郷	〃	II	12	
	Hachiman	八幡	〃	II	12	
	Yuhi	油日	〃	II	12	
	Soni	曾爾	Nara	II	12	
	Oyama	尾山	〃	II	12	
	Kawakami	川上	〃	II	12	
	Kazaya	風谷	〃	II	13	
	Aoya	青谷	Tottori	II	12	
	Kunifusa	国英	〃	II	13	
	Sakai	境	〃	II	13	
	Wake	和気	Okayama	II	12	
	Tamano	玉野	〃	II	12	
	Susai	周西	〃	II	12	
	Tsuyama	津山	〃	II	12	
	Kaminagata	上長田	〃	II	12	
	Yakake	矢掛	〃	II	13	
	Kurasiki	倉敷	〃	II	13	
	Yubara	湯原	〃	II	13	
	Futatsuno	二津野	Nara	I	13	
	Gobō	御坊	Wakayama	I	13	
	Matsunaga	松永	Hiroshima	I	13	
	Yuki	油木	〃	I	14	
	Suzaki	須崎	Kōchi	I	15	
18	Fukuchiyama	福知山	Kyōto	III	16 14	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Mizuho	瑞穂	Kyōto	III	h 16m	
	Muraoka	村岡	Hyōgo	II	13	
	Kasumi	香住	〃	II	13	
18	Fukuchiyama	福知山	Kyōto	II	16 21	
18	〃	〃	〃	II	16 26	
18	〃	〃	〃	I	21 05	
19	Mizuho	瑞穂	〃	I	07 10	
19	Miyama	美山	〃	II	10 06	
19	〃	〃	〃	II	13 45	
20	Akashi	明石	Hyōgo	I	14 20	
21	Miyama	美山	Kyōto	II	03 30	
21	〃	〃	〃	II	07 43	
	Fukuchiyama	福知山	〃	I	44	
21	Hiwa	比和	Hiroshima	II	16 27	
	Takano	高野	〃	I	26	
22	Miyama	美山	Kyōto	II	09 45	
	FuKuchiyama	福知山	〃	I	46	
22	Mizuho	瑞穂	〃	I	12 50	
	Hiei-zan	比叡山	〃	I	12 54	
22	Miyama	美山	〃	II	13 30	
23	〃	〃	〃	I	06 40	
23	Shōbara	庄原	Hiroshima	I	15 27	
	Hiwa	比和	〃	I	28	
23	Miyama	美山	Kyōto	II	16 26	
	Fukuchiyama	福知山	〃	I	25	
23	〃	〃	〃	I	18 48	
23	Sukumo	宿毛	Kōchi	II	22 06	
	Kabe	可部	Hiroshima	II	05	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Kake	加計	Hiroshima	II	22h 06m	
	Kurose	黒瀬	〃	I	05	
	Kure	呉	〃	I	06	
	Fukuyama	福山	〃	I	06	
	Ōtake	大竹	〃	I	07	heard
	Shōbara	庄原	〃	I	07	
	In-no-shima	因島	〃	I	10	
	Kurashiki	倉敷	Okayama	I	06	
	Tadotsu	多度津	Kagawa	I	07	
24	Miyama	美山	Kyōto	I	11 06	
	Fukuchiyama	福知山	〃	I	06	
24	Hiwa	比和	Hiroshima	I	18 12	
26	Miyama	美山	Kyōto	II	02 00	
26	Kake	加計	Hiroshima	I	05 51	
26	Yawata	八幡	〃	I	13 06	
27	Mizuho	瑞穂	Kyōto	II	16 25	
27	Mineyama	峯山	〃	II	20 20	
27	Ine	伊根	〃	I	21 40	
27	Hieizan	比叡山	〃	II	21 53	
27	Kameoka	亀岡	〃	III	21 58	
	Sonobe	園部	〃	III	58	heard
	Miyama	美山	〃	III	59	heard
	Hieizan	比叡山	〃	III	59	
	Yamatoshinjyō	大和新庄	Nara	III	21 59	
	Tōgō	東郷	Ōsaka	III	59	
	Ōtsu	大津	Shiga	III	58	
	Tojima	富島	Hyōgo	III	55	
	Rokutanji	六堪寺	〃	III	58	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Mineyama	峯山	Kyōto	II	$^{h}58^{m}$	
	Kyō-ga-saki	経ケ岬	〃	II	58	
	Fukuchiyama	福知山	〃	II	59	
	Kōjindake	荒神岳	Nara	II	59	
	Dorogawa	洞川	〃	II	59	
	Kawakami	川上	〃	II	59	
	Kinomoto	木ノ本	Shiga	II	58	
	Tarao	多羅尾	〃	II	58	
	Minakuchi	水口	〃	II	58	
	Hachiman	八幡	〃	II	58	
	Kitakomatsu	北小松	〃	II	58	heard
	Yuhi	油日	〃	II	58	
	Gobō	御坊	Wakayama	II	59	
	Mandokoro	政所	Shiga	I	58	
	Kasumi	香住	Hyōgo	I	59	
	Yahata	八幡	Wakayama	I	58	
	Kurashiki	倉敷	Okayama	I	59	
	Kaminagata	上長田	〃	I	59	
27	Miyama	美山	Kyōto	II	22 40	
	Kameoka	亀岡	〃	II	53	
	Kinomoto	木ノ本	Shiga	II	53	
	Tarao	多羅尾	〃	II	53	
	Hachiman	八幡	〃	II	53	
	Kitakomatsu	北木松	〃	II	53	
	Mandokoro	政所	〃	I	53	heard
	Yuhi	油日	〃	I	53	
	Fukuchiyama	福知山	Kyōto	I	54	
28	Miyama	美山	〃	I	02 12	heard

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Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
28	Miyama	美山	Kyōto	III	$^{h}16^{m}22^{m}$	
	Kameoka	亀岡	〃	I	20	
30	Kake	加計	Hiroshima	I	17 57	
31	〃	〃	〃	I	01 43	
31	Mineyama	峯山	Kyōto	III	11 14	
	Fukuchiyama	福知山	〃	II	14	
	Kameoka	亀岡	〃	II	14	
	Sonobe	園部	〃	II	14	
	Mizuho	瑞穂	〃	II	15	
	Mineyama	美山	〃	II	15	
	Yuhi	油日	Shiga	I	14	
	Izushi	出石	Hyōgo	I	14	
	Ikunominami	生野南	〃	I	15	
	Nagashima	長島	Okayama	I	14	

International
Seismological
Centre

大阪管区

地震月報

昭和43年 9/10 月

THE MONTHLY REPORT OF EARTHQUAKES

September
October 1968

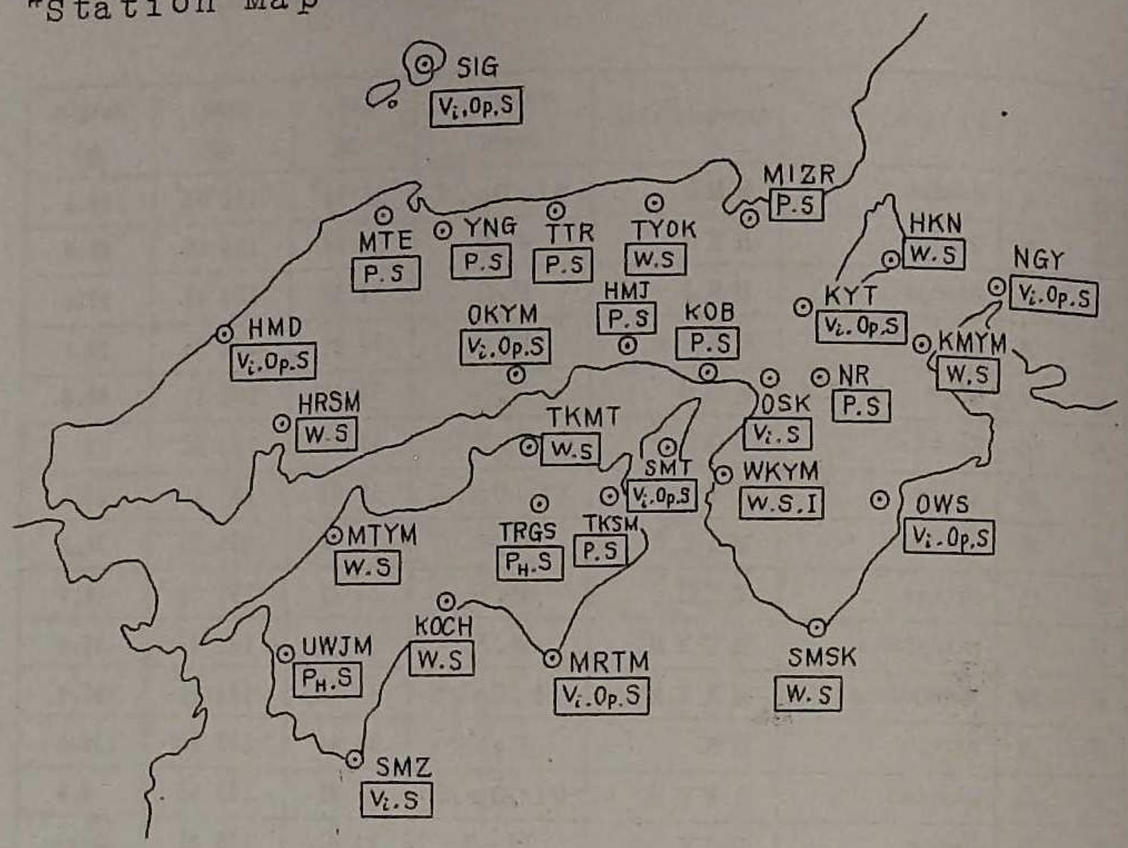
大阪管区気象台
The Osaka
District Meteorological Observatory
Japan

International Seismological Centre

観測所一覧表(1) List of Station(1)

Station		Abbreviation	Seismo-graph	Lat. (N)	Long. (E)	Height (m)
浜　田	Hamada	HMD	Vi, Op, S	34°54′	132°04′	19.6
彦　根	Hikone	HKN	W, S	35 16	136 15	88.8
姫　路	Himeji	HMJ	P, S	34 50	134 42	17.6
広　島	Hiroshima	HRSM	W, S	34 22	132 26	29.7
神　戸	Kōbe	KOB	P, S	34 41	135 11	58.8
高　知	Kōchi	KOCH	P, S	33 33	133 32	2
京　都	Kyōto	KYT	Vi, Op, S	35 01	135 44	42.6
舞　鶴	Maizuru	MIZR	P, S	35 28	135 23	31.2
松　江	Matsue	MTE	P, S	35 27	133 04	18.7
松　山	Matsuyama	MTYM	W, S	33 50	132 47	32.4
室戸岬	Murotomisaki	MRTM	Vi, Op, S	33 15	134 11	185.9
奈　良	Nara	NR	P, S	34 41	135 50	105.0
岡　山	Okayama	OKYM	Vi, Op, S	34 41	133 55	3.8
大　阪	Ōsaka	OSK	Vi, S	34 41	135 31	13 49(9)
西　郷	Saigō	SIG	Vi, Op, S	36 12	133 20	28.3
清　水	Shimizu	SMZ	Vi, S	32 43	133 01	30.2
潮　岬	Shionomisaki	SMSK	W, S	33 27	135 46	74.3
洲　本	Sumoto	SMT	Vi, Op, S	34 20	134 54	109.6
高　松	Takamatsu	TKMT	W, S	34 19	134 03	9.6
徳　島	Tokushima	TKSM	P, S	34 04	134 35	1.8
鳥　取	Tottori	TTR	P, S	35 31	134 11	17.7
豊　岡	Toyooka	TYOK	W, S	35 32	134 49	4.2
剣　山	Tsurugisan	TRGS	P_H, S	34 03	134 10	56.1
宇和島	Uwajima	UWJM	P_H, S	33 14	132 33	43.4
和歌山	Wakayama	WKYM	W, S, I	34 14	135 10	14.3
米　子	Yonago	YNG	P, S	35 26	133 21	7.1
亀　山	Kameyama	KMYM	W, S	34 51	136 28	69.2
名古屋	Nagoya	NGY	Vi, Op, S	35 10	136 58	55.7
尾　鷲	Owashi	OWS	Vi, Op, S	34 04	136 12	16.1
高安山	Takayasu-yama	TKYS	Vd	34 37	135 40	472

"Station Map"



Notation

Op: Electromagnetic seismograph with optical recorder (T_0=1.5 sec, V=500 or 1000)

P : New-type portable seismograph (T_0=2, V=60)

P_H: Portable seismograph, horizontal only (T_0=3~4, V=50)

S : Storong motion seismograph (T_0=5~6, V=1)

Vi: J.M.A.59-type Electromagnetic seismograph with visible recorder (T_0=5, V=100)

Vd: J.A.M.61-type Electromagnetic seismograph with visible recorder (T_0= 10, V=200)

W : Wiechert's seismograph (T_0=5, V=80)

I : Ishimeto's seismograph (T_0=1, V=300)

International Seismological Centre

Number of earthquakes

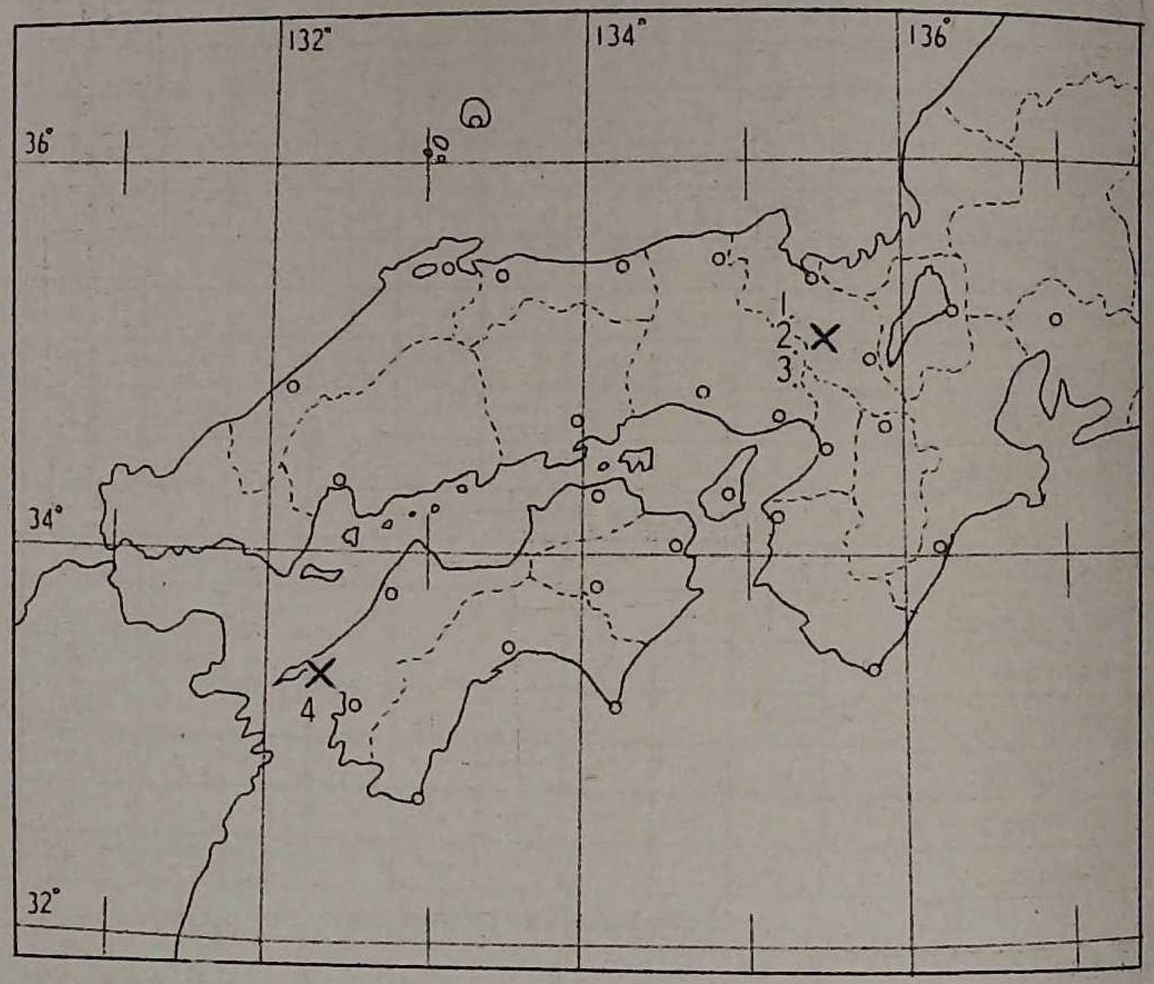
Sept. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	23	—	—	—	—	—	—	—	23
Himeji	2	—	—	—	—	—	—	—	2
Kōbe	8	1	—	—	—	—	—	—	9
Kyōto	19	7	2	—	—	—	—	—	28
Maizuru	8	3	6	1	—	—	—	—	18
Nara	11	2	—	—	—	—	—	—	13
Ōsaka	27	—	—	—	—	—	—	—	27
Shionomisaki	8	—	—	—	—	—	—	—	8
Sumoto	16	2	—	—	—	—	—	—	18
Toyooka	30	1	—	—	—	—	—	—	31
Wakayama	6	4	2	—	—	—	—	—	12
Chūgoku Disurict									
Hamada	6	—	—	—	—	—	—	—	6
Hiroshima	8	—	—	—	—	—	—	—	8
Matsue	3	—	—	—	—	—	—	—	3
Okayama	16	—	—	—	—	—	—	—	16
Saigō	12	—	—	—	—	—	—	—	12
Tottori	4	1	—	—	—	—	—	—	5
Yonago	4	—	—	—	—	—	—	—	4
Shikoku District									
Kōchi	7	—	—	—	—	—	—	—	7
Matsuyama	12	1	—	—	—	—	—	—	13
Murotomisaki	9	—	—	—	—	—	—	—	9
Shimizu	12	—	—	—	—	—	—	—	12
Takamatsu	11	—	—	—	—	—	—	—	11
Tokushima	6	—	—	—	—	—	—	—	6
Tsurugisan	4	1	—	—	—	—	—	—	5
Uwajima	5	5	2	1	—	—	—	—	13

Remarks: Data containd in this report are ones whose maximum double amplitude exceeds 1mm on the record of electromagnetic, wiechert's and Portable seismograph.

Epicenter of the major felt earthquakes, in west Honshu and Shikoku.

Sept. 1968



No.	Date	Origin time (J.S.T.)	Epicenter Location	Lat.	Long.	Depth	Max. S.I.
1	3	06^h18^m	京都府中部 Middle of Kyōto pref.	35°12′N	135°20′E	10Km	II
2	7	01 36	〃 〃	35°13′	135°19′	10	III
3	18	15 47	〃 〃	35°14′	135°20′	10	III
4	26	17 02	愛媛県西方沖 W coast of Ehime pref.	33°25′	132°22′	20	III

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
1	NGY	0	eP	01 47 24.0				eS	1 28.4	7	5		24	28				
	OSK	0	eX	49 34.–						6	4		32	25		eX	28.–	
2	NGY	I	iP	18 33 21.8				iS	10.8	13	9	5	0.4	0.4	0.4			
	HKN	0	eP	33 30.9				iS	17.9	17	9	3	0.9	0.8	0.4			
2	UWJM	X	eP	20 46 13.–				iS	5.–									
3	KYT	II	eP	03 42 00.0				eS	1.5	76	68	21	0.0	0.0	0.0			
	NR	0	eP	42 05.1				iS	4.8									京都付近 Near Kyōto
	HKN	0	eP	42 06.8				iS	6.0	14	10	3	0.6	0.6	0.6			
	OSK	0	eP	42 07.0				S	5.0	3	9	2	0.7	0.3	0.3			
	KOB	0	eP	42 08.9				eS	7.9									35° 2′ 135°45′ 10Km
	TYOK	0	P	42 15.7				S	11.8	9	13	5	0.6	0.4	06			
	MIZR	I	iP	42 16.4														
3	MIZR	II	iP	06 18 32.7				iS	3.2									京都府中部 Kyōto pref.
	KYT	I	eP	18 33.8				eS	5.2	18	40	5	0.0	0.0	0.0			
	TYOK	X	P	18 36.5				iS	7.0	29	27	18	1.1	0.4	0.4			
	NR	0	eP	18 39.2				iS	9.5									35°12′ 135°20′ 10Km
	OKYM	0	P	18 49.2	(+)	(+)	(–)	S	17.3	6	5	1	0.5	0.5	0.5			
3	UWJM	0	iX	11 00 14.4														
3	NGY	0	eP	14 12 18.0				eS	51.6	7	5		2.2	2.0				
3	MIZR	I	iP	15 04 02.8														
	KYT	0	eP	04 12.0				eS	5.0	6	5	1	0.0	0.0	0.0			
3	NGY	0	eP	16 02 50.0				eS	52.4	35	43	18	3.1	2.6	2.0			
	HKN	0	eP	02 53.2						24	18	4	1.2	1.6	1.2			宮城県沖 Off Miyagi pref.
	KYT	0	eP	03 00.0				eS	1 3.3	5	3	2	1.8	2.2	2.2			
	TYOK	0	eP	03 05.9				eS	1 5.9	24	24	8	1.3	1.0	3.3			37°55′ 141°50′ 80Km
	SMT	0	P	03 12.6			(–)	eS	1 23.1	5	4	3	3.3	3.4	2.8			
	OSK	0	eP	03 19.9				S	1 9.2	26	23	14	3.6	3.2	2.0			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
4	MIZR	II	iP	00 00 46.4				iS	3.0									
	KYT	I	eP	00 47.7				eS	52	15	45	4	0.0	0.0	0.0			
	TYOK	0	eP	00 50.3				iS	7.0	20	19	7	1.0	0.6	0.5			
	NR	0	eP	00 53.3				S	9.5									
4	MIZR	0	iP	16 09 13.6														
4	MIZR	0	iP	21 01 52.6				iS	3.2									
	KYT	0	eP	01 53.5				eS	5.6	4	10		0.0	0.0				
	TYOK	0	iS	02 06.8						6	6		0.6	0.6				
5	KYT	0	eP	02 00 39.2				eS	5.7	5	5		0.0	0.0				
	MIZR	0	iP	00 39.8														
5	KOB	0	iS	07 36 30.0														
5	MIZR	0	iP	20 59 47.1				iS	3.3									
	TYOK	0	iS	59 57.2						6	4		0.4	0.2				
6	UWJM	I	eP	09 45 41.8				eS	12.-									
	MTYM	I	iP	45 44.5	+1	+4	+4	iS	13.0	63	47	23	0.6	0.6	0.4			伊予灘 Iyo-nada
	HRSM	0	P	45 45.1	+2	+3	+4	iS	14.1	9	10	8	1.2	1.1	0.9			
	KOCH	0	eP	45 48.8				eS	21.0									
	SMZ	0	eP	45 49.8				S	11.4	10	5	14	0.3	0.3	0.4			33°31′
	OKYM	0	iP	45 59.3	+1	+1	(+)	S	23.5	16	17	4	0.4	0.4	0.4			131°51′
	TKSM	0	eP	46 04.9				eS	25.5									90Km
	YNG	0	S	46 28.7														
6	NGY	0	eP	09 47 23.2				eS	3.4	5	5	2	1.0	1.0	0.8			
6	NGY	0	eP	17 07 56.6				S	10.2	6	5		0.4	0.5				
6	KYT	I	eP	17 28 05.0				eS	5.3	11	32	2	0.0	0.0	0.0			
	MIZR	0	iP	28 05.1				iS	2.7									
6	WKYM	I	P	20 31 56.9				iS	0.6	21	42		0.1	0.1				
7	MIZR	I	iP	01 24 58.0				iS	2.7									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	KYT	0	iP	24 59.5	(+)	(-)	-1	eS	5.1	11	9	3	0.0	0.0	0.0			
	TYOK	0	iS	25 08.9						75	122		1.3	11				
7	MIZR	III	iP	01 36 21.4				iS	1.5									
	KYT	II	iP	36 23.4	+1	-2	-3	eS	4.6	82	61	31	1.3	0.6	0.6			
	TYOK	I	P	36 24.6	-6	+7	-7	S	7.1	362	279	200	1.3	0.9	0.6			
	KOB	0	P	36 25.8			+4	iS	7.6									
	OSK	0	iP	36 26.2			+8	iS	7.5	50	40	18	1.2	1.3	2.0			
	HMJ	0	iP	36 27.9	+11	+6	-13	iS	8.4									
	HKN	0	iP	36 28.3	-7	-24	-11	iS	10.1	54	68	11	1.1	1.0	1.0			
	NR	0	iP	36 28.5			+4	iS	9.4	100	100	50	1.0	1.0	1.2			
	WKYM	0	P	36 32.8				iS	14.0	73	52		0.8	1.0				京都府 中部 Middle of Kyōto pref.
	TTR	I	iP	36 32.8	-2	+6	-11	iS	13.1									
	SMT	X	iP	36 32.8	-1	(-)	+1	iS	12.5	37	42	13	0.5	0.5	1.5	eX	4.6	
	OKYM	X	iP	36 37.6	+2	+3	-1	iS	17.4	109	81	27	0.5	0.5	0.5			
	OWS	0	eP	36 38.2				iS	19.2	10	10	10	0.6	1.0	1.6			
	TKMT	0	eP	36 39.2				iS	18.9	86	50	40	0.6	1.1	0.4			
	TKSM	0	eP	36 39.6				iS	17.1									35°13′
	NGY	0	iP	36 39.8	-2		-6	iS	17.6	30	19	13	0.6	0.8	0.6			135°19′
	YNG	0	P	36 43.0				iS	23.6									10Km
	SMSK	0	eP	36 46.0				S	26.5	7	8	11	1.3	1.3	1.4			
	TRGS	0	P	36 46.3				S	17.8									
	SIG	0	eP	36 48.0			(-)	eS	22.8	25	27	11	0.8	0.8	0.7			
	MTE	0	eP	36 48.4				S	26.2									
	KOCH	0	eP	36 54.8				eS	29.0									
	MRTM	0	eP	36 56.1				S	28.0	8	10		1.6	1.8				
	MTYM	0	eP	36 56.5				eS	36.5	15	21	6	0.7	0.7	0.6			
7	SMZ	0	P	04 23 19.8			-3	S	18.6	38	53	46	4.4	4.5	4.3			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	UWJM	0	eP	23 23.1												X	16.-	
	MTYM	0	eP	23 33.1				eS	24.7	35	45	13	4.7	4.1	2.4			
	MRTM	0	iP	23 33.1	(+)	(+)	(-)	eS	32.4	23	48	17	6.0	7.0	6.8			
	KOCH	0	eP	23 33.3				eS	29.0									
	HRSM	0	P	23 39.8	-2	(-)	-2	eS	36.5	16	42	17	5.5	5.3	4.6			
	TRGS	0	P	23 45.0				S	30.0									
	TKMT	0	eP	23 45.2				iS	41.6	20	31	11	5.2	5.2	3.5			
	TKSM	0	eP	23 46.7				eS	31.8									屋久島
	HMD	0	P	23 47.0	-2		-2	S	41.8	13	27	16	3.9	5.6	4.4			近 海
	OKYM	0	iP	23 48.1			(-)	S	42.1	13	24	18	3.2	4.8	4.4			Near
	SMSK	0	eP	23 48.2				S	41.0	16	17	5	5.0	2.8	2.4			Yakushi-
	SMT	0	P	23 50.2	(-)	(-)	(-)	eS	42.4	21	17	16	4.0	6.2	5.0			ma
	WKYM	0	eP	23 51.6				S	43.8	8	8		1.3	1.5				30°54′
	MTE	0	eP	23 56.5														131°59′
	OWS	0	eP	23 57.6				eS	51.0	6	5	7	6.6	6.4	7.0			70Km
	OSK	0	eP	23 59.5				eS	52.5	53	53	17	4.3	3.3	5.0			
	NR	0	eP	24 01.8														
	KYT	0	iP	24 04.2	(-)	(-)	-1	eS	53.7	8	5	6	4.2	5.5	6.0			
	SIG	0	P	24 09.2	-1	(-)	(-)	eS	57.2	22	23	14	4.6	4.0	5.4			
	TYOK	0	P	24 10.3						39	39		1.3	5.9		X	53.2	
	HKN	0	eP	24 11.1						17	12	3	3.4	4.6	2.2			
	NGY	0	eP	24 16.8	+4	+5	+4	eS	1 4.4	16	17	5	2.8	3.0	2.4			
8	UWJM	I	eP	18 28 44.0				iS	5.3									
9	SMZ	0	eP	00 19 38.6						4		9	2.7		3.4	eX	6 52.2	
	SMT	0	iP	19 48.1	-1	+1	-2	S	5 54.7	4	4	5	4.4	4.4	3.6			
	OSK	0	P	19 49.2						34	14	6	4.2	4.1	4.2	X	1 32.9	
	HKN	0	eP	19 51.5						7	4	3	2.9	2.3	2.8			

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha. eX	p-Pha. m s	Remarks
	NGY	0	eP	19 52.0						9	5	7	3.2	3.0	3.2	eL	1 35.2	
	HMD	0	P	19 55.6	+2		+2	eS	5 59.4	4	2	5	5.2	6.0	3.4	eL	12 51.0	
	TYOK	0	eP	19 58.0				S	6 1.7	9	5		1.1	1.3		eL	9 8.4	
10	WKYM	II	iP	04 50 23.3				iS	0.5	250	188		0.1	0.1				
	SMT	0	iP	50 27.1	-1	+1	-2	S	3.0	12	13	2	0.2	0.3	0.3			
11	MIZR	II	iP	14 49 13.1				iS	3.1									
	KYT	I	iP	49 19.4	-5	-6	-4	iS	5.5	63	66	20	0.4	0.3	0.5			
	TYOK	0	eP	49 21.4				iS	7.2	81	57	33	1.1	1.1	0.5			
	OSK	0	iP	49 22.9			+3	S	7.1	10	13	4	1.8	0.7	1.3			京都府
	HMJ	0	iP	49 24.5				iS	9.0									中 部
	NR	I	iP	49 24.9	-2		+2	iS	9.2									Middle
	HKN	0	eP	49 25.0				eS	10.0	9	11	3	0.8	0.8	0.9			of
	SMT	I	P	49 29.4	-1		+1	S	12.6	14	13	3	0.3	0.3	0.2			Kyōto
	TTR	0	iP	49 29.6			-4	iS	13.4									pref.
	OKYM	0	iP	49 34.0	+1	(+)	(-)	S	16.6	37	25	6	0.5	0.5	0.3			35°15′
	NGY	0	P	49 36.6				S	17.7	7	5		0.6	0.8				135°20′
	TKMT	0	eP	49 37.3				iS	17.3	24	14		0.6	0.6				0Km
	SIG	0	eP	49 46.5	(-)	(+)	(-)	S	23.8	5	4	2	0.7	0.8	0.6			
12	NGY	0	eP	22 38 22.4				eS	1 26.8	12	8	3	3.0	2.2	2.1			
	OSK	0	eX	38 56.6						5	4	2	3.9	3.0	2.0			
15	NGY	0	eP	09 35 16.0				S	14.4	7	6		1.0	1.0				
15	KYT	I	eP	12 04 54.4				iS	1.7	26	10	3	0.0	0.0	0.0			
15	NGY	0	P	14 04 02.6	+2	+2		S	23.3	10	19	7	1.0	2.4	1.4			
	HKN	0	eP	04 08.4				eS	30.0	7	10	3	1.2	1.2	1.2			
	OSK	0	eP	04 17.0				S	37.3	8	7	7	2.1	2.5	1.9			
15	NGY	0	eP	19 52 07.4				eS	1 37.0	43	31	14	2.8	2.6	2.2			
	HKN	0	P	52 10.1						20	21	5	2.2	1.8	2.3			

Date	Station	S.I.	Pha.	Time (J.S.T)	Initial Motion (μ)	Pha.	p~Pha.	Max. Amplitude Amp. (μ)	Max. Amplitude Period (sec)	Pha.	p~Pha.	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
	KYT	0	P	52 16.0	(+) (+) (−)	eS	1 41.0	8 5 3	2.7 4.0 4.6			
	NR	0	eP	52 18.9								
	TYOK	0	P	52 19.5	(−) (−) (+)	S	1 50.8	19 15 5	1.2 1.2 2.5			三陸
	OSK	0	eP	52 21.0				49 31 15	3.4 3.4 2.3			はるか沖
	OWS	0	eP	52 22.0	(−) (−) (+)	eS	2 4.0	5 5 5	5.0 5.0 6.0			Far
	SIG	0	eP	52 26.2	(−) (−) (+)			4 5 3	1.8 4.8 1.6	eX	1 31.2	off
	SMT	0	P	52 27.9	(+) (−)	eS	1 54.1	5 5 4	4.2 3.6 6.8			Sanriku
	OKYM	0	eP	52 33.3	(−) (−) (+)	eS	2 2.7	4 5 5	2.8 4.0 4.5			40°46′
	SMSK	0	eP	52 38.0		eS	2 0.9	8 11	3.2 3.6			143°31′
	MRTM	0	P	52 48.2				5 7	6.0 4.0	eX	1 56.8	20Km
15	WKYM	I	iP	19 56 10.1		iS	0.9	14 11	0.1 0.1			
16	NGY	0	P	01 55 09.6		S	20.4	6 7	1.0 1.0			
	HKN	0	S	55 40.3				7 10 2	0.9 1.1 0.6			
16	NGY	0	eP	15 06 21.7		eS	21.6	5 5	2.4 3.0			
16	SMSK	0	eP	23 03 15.0		S	6 16.4	20 20	5.2 5.2			
	OWS	0	eP	03 21.0	(+) (−) (+)	eS	6 43.0	8 5 13	5.2 5.0 5.5			
	MRTM	0	iP	03 21.7	(+) (+) (+)			6 7 10	9.0 6.0 5.6	iX	6 8.4	
	SMZ	0	eP	03 21.8		eS	6 35.7	9 11 13	4.8 4.8 5.3			
	SMT	0	P	03 26.6	(−)	eS	6 12.0	10 9 16	3.4 5.2 4.8	eL	12 41.−	New
	TKYS	0	P	03 28.3	+2 −1 +5					eX	5 5.7	Britain
	NGY	0	P	03 29.0		eS	6 47.8	13 20 16	3.0 2.8 3.2			region
	TKMT	0	eP	03 29.6		eS	6 13.0	8 6 4	5.7 5.3 2.9			6°6′
	OSK	0	P	03 29.6	+5			47 24 24	4.4 3.7 4.4	X	6 45.4	148°42′
	KOB	0	eX	03 29.9								59Km
	OKYM	0	eP	03 30.0				6 6 15	2.8 5.2 4.8			
	KYT	0	eP	03 31.0				7 4 7	4.8 5.7 5.0	eX	6 17.0	
	HKN	0	eP	03 31.8		eS	6 25.1	18 11 9	3.7 2.7 3.2			

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Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)	Pha.	p~Pha.	Max. Amplitude Amp. (μ)	Max. Amplitude Period (sec)	Pha.	p~Pha.	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
	HRSM	0	eP	03 33.6	+2 −1 +4	eS	6 48.9	5 5 12	22.4 22.4 3.1			
	TYOK	0	P	03 36.5	(+)	eS	6 25.4	18 14 13	10 1.2 5.3			
	HMD	0	eP	03 38.4		eS	6 37.0	8 6 10	4.8 5.7 5.3	eL	13 41.6	
	SIG	0	eP	03 44.5	(+) (−) (+)			11 5 10	5.2 2.2 5.4	eX	6 36.6	
17	NGY	0	eP	01 08 22.5		eS	7 12.5	5 5	2.6 2.4			
	OSK	0	eP	08 43.9				5 4 4	3.4 3.3 2.5	eX	6 41.3	
17	SMT	0	P	12 00 23.3	+1 −1 +1	iS	6.7	5 3 1	0.3 0.4 0.3			
17	WKYM	0	P	20 54 08.9		iS	1.0	20 14	0.1 0.1			
17	UWJM	I	P	20 54 30.3		iS	52					
18	MIZR	II	iP	15 47 02.7		iS	3.1					
	KYT	I	iP	47 06.5	+3 −5 −3	iS	5.4	70 78 22	0.2 0.0 0.5			
	TYOK	0	P	47 06.3		iS	7.0	121 81 45	1.0 1.1 0.8			
	OSK	0	iP	47 09.9		iS	8.6	20 18 8	2.3 0.8 1.4			
	KOB	0	iP	47 10.6		iS	7.0					
	NR	0	iP	47 11.7	−6 +5	iS	9.0					京都府
	HKN	0	iP	47 11.8	−8 −5	iS	10.1	19 21 4	1.2 0.5 0.6			中部
	SMT	I	P	47 16.5	−1 (−) +1	iS	12.8	19 23 6	0.2 0.4 0.2			Middle
	TTR	0	iP	47 17.2	−2	iS	13.4					of
	OKYM	0	iP	47 21.7	(+) +1 (−)	S	16.7	60 33 9	0.5 0.5 0.5			Kyōto
	OWS	0	eP	47 22.0	(+) (−)	iS	19.0	8 6 4	0.6			pref.
	NGY	0	iP	47 23.0		S	18.2	6 9 6	1.2 0.8 0.4			35°14′
	TKSM	0	eP	47 23.7		iS						135°20′
	TKMT	0	eP	47 24.0		iS	18.2	34 19 17	0.6 0.6 0.5			10Km
	YNG	0	eP	47 28.3		S	22.0					
	SIG	0	P	47 32.3	(+)	S	24.2	9 6 5	0.4 1.0 0.6			
	MTYM	0	eP	47 44.7		eS	32.2	7 7 3	0.7 0.7 0.8			
19	KOB	I	iP	06 22 03.8		iS	2.6	50 50 200	0.2			

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	SMT	0	P	22 05.6	−1		+1	S	4.3	7	3	2	0.3	0.2	0.3			
19	TRGS	I	P	07 35 13.7				S	1.0									
	TKMT	0	iP	35 17.4				iS	5.2	8	6		0.4	0.8				
	OKYM	0	iP	35 23.5	+2		(+)	iS	10.1	7	7	1	0.2	0.3	0.2			
19	NGY	0	P	10 28 11.6				iS	10.1	10	9	3	0.4	0.4	0.4			
	HKN	0	eP	28 22.7				S	16.2	10	6		1.0	0.6				
19	MIZR	II	eP	23 19 16.7				iP	3.4									
	KYT	0	iP	19 20.2	(+)	−1	−1	iS	5.3	6	4	1	0.0	0.0	0.8			
	TYOK	0	eP	19 22.3				iS	6.9	14	13		1.2	0.4				
20	WKYM	0	iP	14 51 49.5				iS	0.3	19	38		0.1	0.1				
20	SIG	0	eX	15 18 36.5						6	3	7	2.8	2.8	3.4			
20	NGY	0	eP	15 20 53.0				eS	1 28.0	6	5	4	2.0	3.0	3.0			
	OSK	0	X	21 59.–						15	13	9	2.8	3.0	3.2			
20	WKYM	I	iP	22 00 23.6				iS	1.0	44	100	21	0.1	0.1	0.1			
20	NGY	0	eP	22 55 51.4				eS	1 33.8	9	8		2.8	3.0				
21	NGY	0	eP	03 45 26.4				eS	23.0	6	7	3	1.6	2.0	1.2			
	OSK	0	eX	46 38.–						9	7		3.5	4.4				
21	NGY	0	P	07 26 07.2				S	26.0									
	HKN	0	eP	26 11.0				eS	58.0	197	120	51	5.1	3.4	4.5			長野県北部 N part of Nagano pref. (36°49′ 138°16′ 10Km)
	KYT	0	iP	26 18.0				iS	35.5	48	30	15	5.7	5.3	5.3			
	TYOK	0	eP	26 23.0						88	71	22	1.2	1.2	4.4			
	NR	0	eP	26 23.2														
	OWS	0	iP	26 24.0				eS	41.0	20	19	26	5.2	4.4	4.4			
	OSK	0	P	26 30.6						271	215	57	3.7	36	3.6	X	49.2	
	SMT	0	P	26 34.1				eS	48.9	24	19	17	4.3	6.0	4.6	iX	11.0	
	SIG	0	iP	26 34.9				eS	50.4	9	6	8	2.0	3.2	3.4			
	KOB	0	P	26 35.2				eS	45.8									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	OKYM	0	eP	26 36.5				eS	58.–	15	17	27	4.2	4.4	4.6			
	SMSK	0	eP	26 38.1				S	57.4	38	38	18	4.3	4.3	1.9			
	MRTM	0	eP	26 47.1						17	18	16	4.4	4.4	4.0	eX	1 0.–	
	WKYM	0	P	26 49.0				S	37.2	30	30	17	1.0	1.2	3.7			
	TKSM	0	eP	26 50.4				eS	50.4									
	TKMT	0	eP	26 50.9				eS	59.7	17	14		6.2	4.2				
	HRSM	0	eP	26 53.0				eS	1 8.2	12	10	8	4.0	4.8	4.3			
	MTYM	0	eP	26 55.6				eS	1 9.8	17	10	5	5.0	2.8	2.8			
	HMD	0	eP	26 56.8				eS	1 10.4	5	5	6	5.3	3.7	3.9			
	SMZ	0	eP	27 04.5				S	1 14.1	13	11	7	3.8	5.8	4.7			
21	NGY	0	eP	07 30 20.6				S	22.4	36	42	12	2.6	3.0	1.4			
	KYT	0	eP	30 30.5				eS	36.0	10	6	3	5.2	5.2	3.7			
21	NGY	0	eP	07 41 21.0				S	25.6									
21	NGY	0	eP	08 35 47.0				S	25.8	43	53	26	2.0	2.8	1.4			
	HKN	0	eP	35 54.3				eS	28.4	45	25		5.1	5.8				長野県北部 N part of Nagano pref. (36°50′ 138° 8′ 0Km)
	KYT	0	eP	36 00.7				eS	35.5	10	5	4	6.5	4.5	4.5			
	NR	0	eP	36 01.7														
	OSK	0	eP	36 07.8				eS	40.8	43	40	11	3.8	3.5	3.8			
	OWS	0	iP	36 09.0				eS	34.0	4	4	7	4.4	4.2	4.4			
	TYOK	0	eP	36 11.–						24	24		1.2	1.1				
	SMSK	0	eP	36 16.0				eS	57.8	9	10	5	3.8	2.2	1.9			
	OKYM	0	eP	36 17.5				eS	1 0.–	3	4	6	4.0	4.2	4.0			
	SMT	0	P	36 09.4			(−)	eS	45.9	5	5	4	5.4	5.9	5.2			
21	KYT	0	eP	09 06 01.2				eS	35.5	7	5	4	7.0	5.5	5.0			長野県北部 N part of Nagano pref.
	OSK	0	eP	06 07.2				eS	38.1	25	24	9	3.9	3.4	1.8			
	TYOK	0	eP	06 11.–						22	11		1.2	1.2				
	HKN	0	eS	06 20.9						34	23		4.7	1.7				

Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)	Pha.	p~Pha.	Max. Amplitude Amp. (μ)	Max. Amplitude Period (sec)	Pha.	p~Pha.	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
	NGY	0	eP	06 43.2		eS	31.2	17 28 8	16 2.8 1.4			36°47′ 138°15′ 10Km
21	NGY	0	eP	10 20 45.0		eS	20.2	4 7 2	3.0 3.0 1.2			
21	MIZR	II	iP	12 24 37.0		iS	2.0					
	KYT	0	eP	24 40.5		eS	5.0	7 5 1	0.0 0.0 0.0			
	TYOK	0	iS	24 49.4				16 13	1.4 0.4			
21	WKYM	I	P	21 52 24.2		iS	0.3	15 20	0.1 0.1			
21	NGY	0	P	22 08 01.0		S	1 42.4	218 202 84	3.0 3.0			
	HKN	X	P	08 03.5		S	1 31.4	166 211 61	4.7 2.8 3.9			
	KYT	0	iP	08 09.0	−1 −1 +1	iS	1 46.0	60 46 35	1.9 1.5 5.5			
	OWS	0	eP	08 09.0	(−) (−) (+)			43 53 68		iX	2 3.4	
	MIZR	0	eP	08 09.8		eS	1 33.1					
	TYOK	0	iP	08 10.8	−19 −10 +17	S	1 42.6	111 46 58	4.2 3.7 3.4			
	NR	0	eP	08 13.1				150 200 80	2.2 2.2 2.4			
	OSK	0	P	08 13.7	+4	eS	1 56.−	310 223 100	3.2 3.6 4.0			
	SIG	0	P	08 15.8	−2 −2 +2	eS	1 44.2	45 60 67	4.6 4.4 4.2			浦河沖 Off Urakawa
	KOB	0	eP	08 15.9								
	TTR	0	P	08 16.0		S	1 44.7					
	SMT	0	P	08 18.4	(−)	eS	1 51.9	50 35 43	3.8 4.5 5.4			41°59′ 142°48′ 80Km
	WKYM	0	eP	08 21.0		S	1 40.3	62 50 35	5.0 3.2 5.0			
	YNG	0	P	08 23.2		S	1 52.1					
	OKYM	0	P	08 24.8	(−) (−) +1	eS	1 53.−	37 62 65	2.5 4.0 6.0			
	MTE	0	eP	08 25.7		eS	1 56.3					
	TKMT	0	eP	08 27.6		eS	1 50.7	38 33 21	8.4 12.6 8.7			
	SMSK	0	eP	08 29.2		S	2 31.1	76 108 38	5.0 4.8 3.8			
	TKSM	0	eP	08 29.5		eS	2 0.0					
	TRGS	0	P	08 31.8								
	HMD	0	iP	08 37.2	−5 −6 +7	S	2 3.8	32 20 27	5.0 5.9 4.0			

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Date	Station	S.I.	Pha.	Time (J.S.T.)	Initial Motion (μ)	Pha.	p~Pha.	Max. Amplitude Amp. (μ)	Max. Amplitude Period (sec)	Pha.	p~Pha.	Remarks
				h m s	N E Z		m s	N E Z	N E Z		m s	
	MRTM	0	iP	08 37.8	(+) −1			48 73 55	4.4 7.0 5.6	iX	13.1	
	HRSM	0	P	08 40.1	−5 −6 +8	S	2 6.4	31 29 30	8.0 6.0 7.1			
	MTYM	0	eP	08 41.5		eS	2 11.2	40 33 28	7.9 8.1 7.6			
	KOCH	0	eP	08 42.2		eS	2 16.2					
	SMZ	0	P	08 51.0	(+) +4	eS	2 27.8	51 63 24	7.2 7.6 7.9			
22	TYOK	0	iS	00 40 35.6				13 16	0.4 0.4			
22	OSK	0	eX	18 25 30.0				9 7	4.9 3.7			
22	NGY	0	P	22 41 46.6		S	31.2	18 23 7	1.6 2.0 1.6			
	HKN	0	eP	41 56.2		eS	43.0	15 14 5	1.9 1.1 1.0			
	OSK	0	eX	42 11.−				10 9 7	4.0 2.2 2.0	eX	29.−	
	TYOK	0	eP	42 20.−				13 6	1.0 1.4			
23	HKN	0	eP	14 05 46.1		eS	1 43.9	21 25 4	7.3 7.7 1.2	X	11.7	
	NGY	0	eP	05 46.8		S	1 32.0	45 30 8	2.8 2.8 2.0			三陸はるか沖 Far off Sanriku
	KYT	0	eP	05 50.5		eS	1 40.5	7 5 3	5.0 5.0 7.0			
	TYOK	0	eP	05 52.4		eS	1 40.2	6 9 5	7.9 4.0 4.5			
	SMT	0	P	06 03.6	(−)	eS	1 42.8	10 7 4	6.8 4.2 7.0			
	OWS	0	eP	06 07.7	(+) (+) (−)			5 5 4	5.0 7.0 4.6	eX	55.7	40°15′ 143°53′ 10Km
	OSK	0	eP	06 09.0		S	1 45.8	48 24 10	3.1 3.4 2.4			
	MRTM	0	eP	06 41.5				5 8 5	7.0 6.4 7.0	eX	2 38.5	
23	SMZ	0	eX	14 09 48.1				6 4	5.4 6.4			
23	MIZR	0	iP	20 32 00.2		iS	3.9					
	KYT	0	eP	32 02.8	−1	iS	5.4	6 11 1	0.0 0.0 0.0			
	TYOK	0	iS	32 11.7				9 6	1.2 1.2			
23	UWJM	0	eP	22 49 28.6		iS	6.2					
	MTYM	0	eP	49 29.3		iS	6.5	9 8 3	0.6 0.5 0.5			
24	UWJM	II	iP	05 04 46.6	+2 −6 −12	iS	5.0					愛媛県西方沖
	MTYM	0	eP	04 52.6	(+) (+) (+)	iS	9.0	24 49 7	0.5 0.7 0.6			

Date	Station	S.I.	Pha.	Time (J.S.T) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	SMZ	0	eP	04 56.0				S	8.6	7	8	4	0.5	0.4	0.4			W coast of Ehime pref. 32°22′ 132°25′ 30Km
	KOCH	0	eP	04 57.2				eS	10.6									
	HRSM	0	eP	04 58.8				eS	13.1	6	7	4	0.3	0.3	0.3			
	OKYM	0	eP	05 08.2			(+)	S	28.–	4	6	1	0.5	0.3				
24	OWS	0	eP	12 36 13.8	(+)	(+)	(–)	eS	53.2	6	6	6	5.0	4.2	6.0			
	HKN	0	eP	36 41.7				eS	1 49.5	30	29	9	7.8	5.7	2.1	PP	1 13.7	
	NGY	0	eP	36 46.0				S	1 30.0	66	63	17	3.2	2.8	2.6			
	KYT	0	eP	36 49.3				eS	1 40.0	16	9	5	4.0	5.0	6.5			
	TYOK	0	eP	36 55.2				eS	1 44.7	9	10	10	6.6	3.0	2.7			三陸はるか沖 Far off Sanriku 40°17′ 143°55′ 20Km
	SIG	0	eP	37 01.6	–1	–1	(+)	eS	1 47.0	7	5	4	6.0	3.0	5.0			
	OSK	0	eX	37 05.–						45	28	17	5.0	3.5	2.0			
	OKYM	0	eP	37 06.7		(–)	(+)	eS	2 1.8	5	4	7	5.7	12.–	5.0			
	TKMT	0	eP	37 09.9				eS	1 59.6	9	8		13.9	15.8				
	SMSK	0	eP	37 10.9				eS	2 15.9	9	9		3.4	26				
	SMT	0	P	37 05.8	(+)	+1	(–)	eS	1 47.0	11	8	5	6.8	6.8	4.8			
	HRSM	0	eP	37 22.5		(–)	(+)	eS	2 5.6	7	6	4	13.2	13.4	13.0			
	MRTM	0	eP	37 24.8						8	10		6.0	6.0		eX	1 42.2	
	MTYM	0	eP	37 25.8				eS	2 10.5	7	4	2	6.7	62	13.4			
	SMZ	0	eX	39 42.2						6	7	4	6.2	6.8	6.4			
24	HKN	0	eP	13 48 00.9				eS	1 44.4	8	7	4	1.7	1.9	2.0			
	NGY	0	eP	48 03.6				S	1 27.4	17	15	3	3.0	2.8	2.0			
	TYOK	0	eP	48 10.1						6	7		1.2	1.2				
	OSK	0	eX	48 20.–						14	8	4	3.8	3.0	2.0			
24	NGY	0	eP	14 42 02.0				iS	9.4	5	3	2	3.0	3.4	0.4			
25	WKYM	II	iP	14 51 13.4				iS	1.0	70	114	43	0.1	0.1	0.1			
26	KOB	0	P	06 51 37.4				iS	4.1									兵庫県南部
	SMT	0	iP	51 41.6	+1	–1	(+)	iS	7.8	7	3	1	0.3	0.5	0.3			

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	MIZR	0	iP	51 45.6				iS	9.2									
	OKYM	0	iP	51 47.3	+1	+2	–1	S	13.–	6	9	2	0.6	0.5	0.3			S part of Hyogo pref. 34°49′ 134°50′ 0Km
	TTR	0	iP	51 48.1			–2	iS	11.6									
	TKMT	0	eP	51 49.4				iS	11.7	6	9	2	12	12	0.5			
	TYOK	0	iX	51 53.2						28	19		0.4	0.4				
26	UWJM	III	iP	17 02 42.1	+2	–4	–14	iS	5.1									
	MTYM	0	iP	02 47.2	–1	–1	–3	iS	8.8	44	92	17	0.6	0.6	0.5			愛媛県西方沖 W coast of Ehime pref. 33°25′ 132°22′ 20Km
	SMZ	0	eP	02 51.5				S	10.9	20	18	8	0.4	0.4	0.4			
	HRSM	0	eP	02 53.5				iS	12.6	7	7	6	0.3	0.3	0.3			
	KOCH	0	eP	02 54.0				eS	11.1									
	TKMT	0	eP	03 04.1				eS	22.8	8	9	2	1.0	1.2	0.5			
	OKYM	0	P	03 06.0				S	23.5	8	6	1	0.5	0.4	0.4			
	TRGS	0	P	03 10.9														
27	MRTM	0	iP	13 06 22.0	(+)	(+)	+1				8			72		iX	5 53.6	
	SMT	0	P	06 31.4			(–)	iS	6 0.2	4	6	3	3.2	4.6	3.6	eX	6 57.9	
	HMD	0	eP	06 34.0				S	6 0.8	6	4	2	4.0	4.4	4.2	eX	9 42.8	
	TKYS	0	P	06 34.9				iS	6 2.4							eX	30.1	Bando sea. 6°48′S 129° 6′E 127Km
	OSK	0	eP	06 35.2				iS	6 3.3	14	12		4.0	5.5				
	KYT	0	eP	06 38.0						3	6	2	3.0	3.0	3.0	eX	40.5	
	NGY	0	eP	06 41.0				S	6 2.2	8	14		2.6	2.6		SCS	6 43.6	
	HKN	0	eP	06 41.5				S	6 6.4	9	20		3.0	3.8				
	SIG	0	P	06 45.0			+1			4	7	4	3.0	3.6	3.2	eX	6 11.0	
	TYOK	0	eP	06 46.5				S	6 2.5	3	8		3.9	4.9				
27	UWJM	I	P	16 34 58.4				iS	5.0									
	MTYM	0	eP	35 04.0				eS	8.3	5	10	1	0.6	0.6	0.4			
28	TKYS	0	eP	04 14 09.2				eS	52.8							eL	8 58.–	
	OSK	0	eX	14 18.–						7	5		4.3	12.0		eL	8 42.–	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	P-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	P-Pha. m s	Remarks
28	TYOK	0	X	04 23 25.9						2	10		9.7	9.7				
28	UWJM	0	iS	18 25 36.9														
28	SMZ	0	eP	19 48 59.0				eS	10.6	17	12	6	0.8	0.6	0.6			
	UWJM	I	eP	48 59.7												eX	11.-	日向灘 Hyūga-nada
	MTYM	0	eP	49 12.0				eS	21.5	10	25	3	0.6	0.7	0.7			
	KOCH	0	eP	49 17.4				eS	18.1									32°1
	SIG	0	eP	49 56.4				eS	498	4	5	2	1.8	1.4	1.2			132°1
	TYOK	0	eS	50 44.5						19	18		1.2	1.2				0Km
29	NGY	0	iP	02 44 06.8			+4	iS	24.3	13	17	7	0.6	0.8				
	HKN	0	P	44 14.9						28	18	4	1.3	1.7	1.3	X	34.7	
	OSK	0	eP	44 19.6						9	9	4	3.1	3.7	1.7	eX	57.5	
	TYOK	0	eP	44 30.6						16	9		1.1	1.4				
29	NR	I	eP	09 21 16.2				iS	2.2									
29	KYT	I	eP	12 35 35.2				eS	1.6	18	68	6	0.0	0.0	0.0			
	NR	0	eP	35 41.6				iS	5.8									
29	UWJM	II	P	14 14 53.2				iS	5.1									愛媛県西方沖 W coast of Ehime p
	MTYM	0	eP	14 59.1				iS	9.5	17	14	10	0.6	0.5	0.4			
	SMZ	0	eP	15 01.8				eS	11.1	6	7	3	0.4	0.4	0.4			

International Seismological Centre

Report of Earthquakes—

—Station without Seismograph.

Sept. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
2	Kake	加計	Hiroshima	I	08h 07m	
3	Kameoka	亀岡	Kyōto	II	03 43	
	Fukuchiyama	福知山	〃	I	42	
	Yuhi	油日	Shiga	I	42	
3	Shimowachi	下和知	Kyōto	II	06 17	
	Miyama	美山	〃	I	15	
	Mineyama	峯山	〃	I	15	
	Fukuchiyama	福知山	〃	I	18	
	Mizuho	瑞穂	〃	I	20	
	Naka-kambayashi	中上林	〃	I	20	
3	Shimo-wachi	下和知	〃	II	15 ～	
	Miyama	美山	〃	I	15 03	
	Naka-kambayashi	中上林	〃	I	15 ～	
4	Fukuchiyama	福知山	〃	II	00 00	
	Sonobe	園部	〃	II	00	
	Mizuho	瑞穂	〃	I	00	
	Miyama	美山	〃	I	00	
	Naka-kambayashi	中上林	〃	I	～	
4	Miyama	美山	〃	I	16 10	
	Shimo-wachi	下和知	〃	I	10	
4	Sonobe	園部	〃	II	21 00	heard
	Miyama	美山	〃	I	00	
4	Mizuho	瑞穂	〃	I	23 00	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Farthquake sound
5	Mizuho	瑞穂	Kyōto	I	02h 00m	
	Miyama	美山	〃	I	00	
5	Shimo-wachi	下和知	〃	II	21 ～	heard
	Miyama	美山	〃	I	20 55	
	Fukuchiyama	福知山	〃	I	59	
	Mizuho	瑞穂	〃	I	21 ～	
6	Shimo-wachi	下和知	〃	II	05 40	heard
6	Fukuchiyama	福知山	〃	I	17 28	
7	Miyama	美山	〃	I	01 25	
7	Shimo-wachi	下和知	〃	III	01 30	
	Fukuchiyama	福知山	〃	III	35	
	Kaibara	柏原	Hyōgo	III	36	
	Sonobe	園部	Kyōto	II	35	
	Mineyema	峯山	〃	II	35	
	Miyama	美山	〃	II	35	heard
	Kameoka	亀岡	〃	II	36	〃
	Kyōgasaki	経ケ岬	〃	II	36	〃
	Izushi	出石	Hyōgo	II	30	〃
	Akashi	明石	〃	II	35	
	Kasumi	香住	〃	I	36	
	Naka-kambayashi	中上林	Kyōto	I	40	
7	Shimo-wachi	下和知	〃	III	02 00	
10	〃	〃	〃	I	21 ～	
11	〃	〃	〃	III	14 50	
	Fukuchiyama	福知山	〃	II	49	
	Miyama	美山	〃	II	49	
	Sonobe	園部	〃	I	50	

International Seismological Centre

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
18	Akashi	明石	Hyōgo	II	06h 25m	
18	Shimo-wachi	下和知	Kyōto	III	15 40	heard
	Mizuho	瑞穂	〃	II	45	
	Miyama	美山	〃	II	46	heard
	Sonobe	園部	〃	II	47	
	Fukuchiyama	福知山	〃	II	47	
	Naka-kambayashi	中上林	〃	I	40	
	Kameoka	亀岡	〃	I	47	
19	Shimo-wachi	下和知	〃	III	23 40	heard
	Fukuchiyama	福知山	〃	II	20	
	Mizuho	瑞穂	〃	I	23 ～	
	Miyama	美山	〃	I	23 15	
	Naka-kambayashi	中上林	〃	I	19	
21	Shimo-wachi	下和知	〃	I	08 57	
21	〃	〃	〃	II	12 40	heard
21	〃	〃	〃	II	45	
23	Fukuchiyama	福知山	〃	I	20 32	
26	〃	〃	〃	II	06 52	
26	Sukumo	宿毛	Kōchi	II	17 03	
29	Kameoka	亀岡	Kyōto	I	12 ～	
	Miyama	美山	〃	I	12 38	heard
	Sonobe	園部	〃	I	50	
29	Shimo-wachi	下和知	〃	II	13 14	
29	〃	〃	〃	II	13 15	

International Seismological Centre

Number of earthquakes

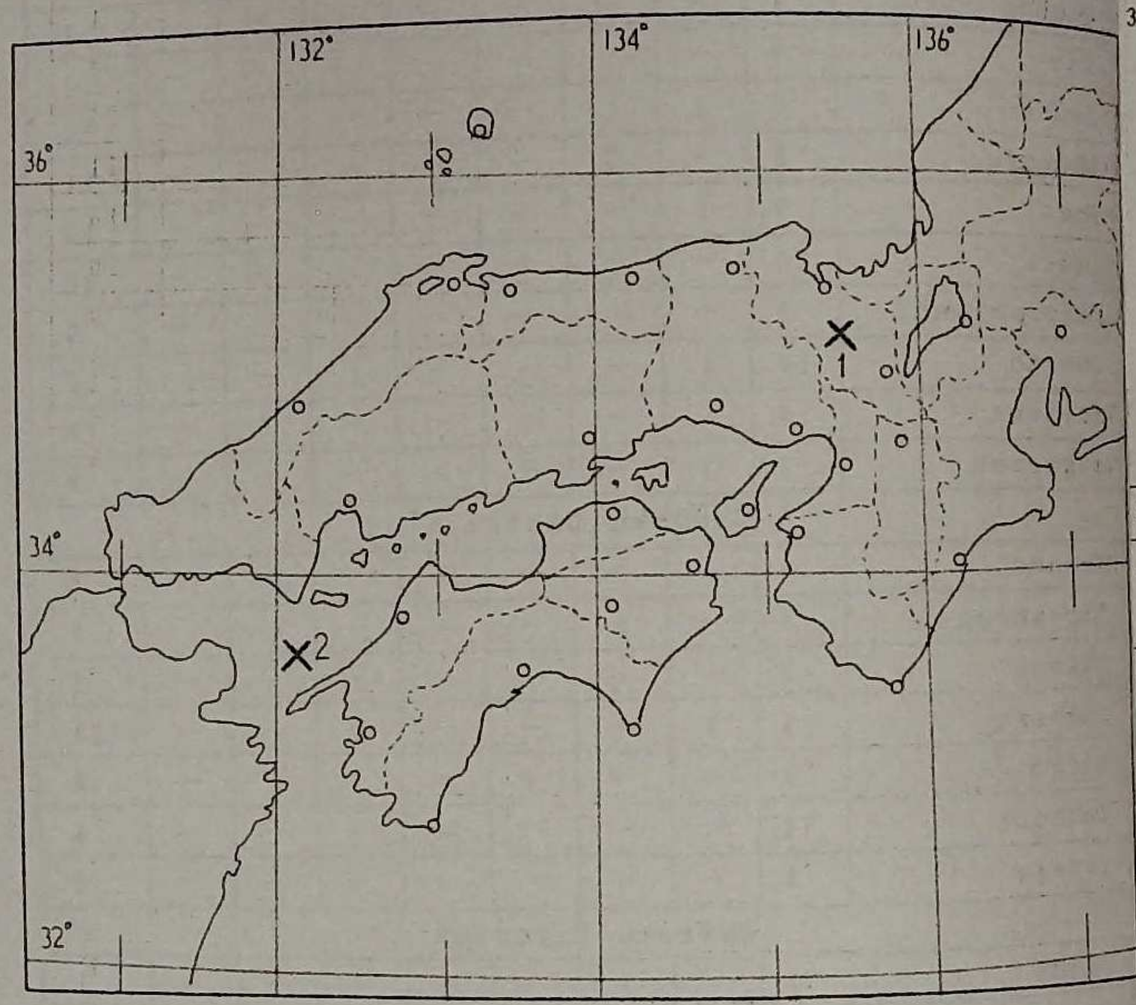
Oct.1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	16	—	—	—	—	—	—	—	16
Himeji	1	—	—	—	—	—	—	—	1
Kōbe	7	—	—	—	—	—	—	—	7
Kyōto	9	2	1	—	—	—	—	—	12
Maizuru	8	—	3	—	—	—	—	—	11
Nara	9	1	—	—	—	—	—	—	10
Ōsaka	20	—	—	—	—	—	—	—	20
Shionomisaki	9	—	—	—	—	—	—	—	9
Sumoto	16	1	—	—	—	—	—	—	17
Toyooka	18	—	—	—	—	—	—	—	18
Wakayama	5	3	—	—	—	—	—	—	8
Chūgoku District									
Hamada	8	—	—	—	—	—	—	—	8
Hiroshima	8	—	1	—	—	—	—	—	9
Matsue	2	—	—	—	—	—	—	—	2
Okayama	9	3	—	—	—	—	—	—	12
Saigō	8	—	—	—	—	—	—	—	8
Tottori	4	—	—	—	—	—	—	—	4
Yonago	2	—	—	—	—	—	—	—	2
Shikoku District									
Kōchi	2	—	1	—	—	—	—	—	3
Matsuyama	8	—	1	—	—	—	—	—	9
Murotomisaki	12	—	—	—	—	—	—	—	12
Shimizu	11	—	—	—	—	—	—	—	11
Takamatsu	10	—	—	—	—	—	—	—	10
Tokushima	7	—	1	—	—	—	—	—	8
Tsurugisan	3	—	—	—	—	—	—	—	3
Uwajima	2	2	1	—	—	—	—	—	5

Remarks: Data containd in this report are ones whose maximum double amplitude exceeds 1mm on the record of electromagnetic, wiechert's and Portable seismograph.

Epicenter of the major felt earthquakes, in west Honshu and Shikoku.

Oct. 1968



No	Date	Origin time (J.S.T.)	Epicenter Location	Lat.	Long.	Depth	Max. S.I.
1	6	04h36m	京都府中部 Kyōto pref.	35.3°N	135.4°E	10Km	II
2	27	22 15	伊予灘 Iyo-nada	33.6	132.1	10	III

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
2	OSK	0	iX	18 11 57.3						5	5	6	3.0	5.0	3.2	X	0.9	
	HKN	0	X	11 58.4						28	13	7	1.0	1.2	1.1			
3	MIZR	II	iP	04 54 20.8				iS	3.2									京都府中部 Middle of Kyōto pref. (35.3°N 135.4°E 10Km) (O.M.O)
	KYT	0	eP	54 24.5				iS	5.5	26	40	6	0.0	0.0	0.5			
	TYOK	0	eP	54 26.0				iS	7.6	50	41	17	1.2	0.6	0.6			
	HKN	0	eP	54 29.3				eS	9.5	9	7	3	0.8	1.0	0.7			
	NR	0	P	54 29.4				iS	9.4									
	TTR	0	P	54 34.9				iS	13.1									
	SMT	0	P	54 35.1	(+)		-1	S	13.0	5	5	1	0.3	0.4	0.3			
	OKYM	0	P	54 39.5	(+)	+1	(-)	iS	17.0	10	6	1	0.5	0.3	0.5			
	TKMT	0	eP	54 43.2				iS	17.1	7	6	2	1.5	1.7	0.7			
3	SMZ	0	P	16 59 14.2		-1	-2	S	7.6	21	9	9	0.7	0.7	1.0			
4	NGY	0	eP	09 42 02.8				eS	1 23.8	7	7		1.6	2.8				
	OSK	0	eP	42 38.-				S	1 41.-	16	8	2	4.0	3.3	3.3			
4	NGY	0	eP	13 26 29.0				eS	1 21.0	5	5		3.0	3.0				
	OSK	0	X	28 06.0						7	5		3.0	4.0				
5	MTYM	0	eP	14 00 37.0				iS	9.7	9	3	4	0.2	0.2	0.2			
5	NGY	0	P	16 58 45.0			-4	iS	3.8	6	9	6	0.2	0.2	0.2			
6	HKN	0	S	02 06 19.0						6	11	2	0.4	0.4	0.2			
6	MIZR	II	iP	04 36 12.6				iS	29									京都府中部 Middle of Kyōto pref. (35.3°N 135.4°E 10Km) (O.M.O)
	KYT	II	eP	36 14.4				iS	53		71	24		0.0	0.6			
	TYOK	0	P	36 17.0	-1	+1	-2	iS	7.5	159	83	29	1.0	1.2	1.1			
	KOB	0	P	36 17.9	+2	-2	+2	iS	7.4									
	OSK	0	iP	36 18.0	-4	+5	+8	iS	8.4	21	20	11	2.0	1.5	2.0			
	HKN	0	P	36 19.6				S	9.6	18	22	5	0.4	0.4	0.4			
	NR	I	iP	36 19.7				iS	9.4									
	SMT	0	iP	36 24.1	-1	(-)	+1	iS	13.0	17	18		0.3	0.4				

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	TTR	0	eP	36 25.2				iS	12.8									
	OKYM	0	iP	36 30.0	+1	+1	(-)	iS	16.9	39	21	6	0.5	0.6	0.5			
	OWS	0	eP	36 30.5				iS	19.3	11	6	6			0.6			
	NGY	0	iP	36 31.0		-1	-5	iS	17.0	11	12	6	0.6	0.8	0.4			
	TKMT	0	eP	36 31.9				iS	18.4	40	25	10	0.6	1.6	1.1			
	TKSM	0	eP	36 32.0				eS	18.1									
	SIG	0	P	36 41.8		(-)	(+)	S	22.2	10	6	4	1.0	0.6	1.0			
	MRTM	0	P	36 48.6				S	27.9		5			1.0				
	MTYM	0	eP	36 53.0				eS	32.2	7	6	2	0.7	0.7	0.7			
6	SMT	0	P	11 45 18.4	-1	(-)	-1	iS	6.1	7	9		0.5	0.4				
	TKSM	0	iP	45 18.4				iS	50									
	TKMT	0	eP	45 22.9				iS	10.1	5	8	2	1.0	1.2	0.6			
6	MIZR	0	iP	12 56 54.3														
6	WKYM	I	iP	16 47 58.5				iS	0.5	27	80	21	0.1	0.1	0.1			
7	SMSK	0	eP	04 41 29.0				S	47.7	5	9	2	1.4	1.8	0.9			
	NGY	0	iP	41 33.2	-2	+2	-4	iS	50.8	10	10	3	2.4	1.2	1.6			
	HKN	0	P	41 38.6				eS	55.5	19	11	3	1.5	1.9	1.1			
	NR	0	P	41 38.8														
	OSK	0	P	41 41.2	-1	+2	-2	S	56.4	7	6	2	3.3	2.5	2.4			
	TYOK	0	eP	41 55.1						14	10		1.2	1.2				
8	SMSK	0	eP	04 22 21.4				iS	1 40.9	316	1500	188	3.6	5.7	3.4			
	OWS	0	iP	22 26.0	(-)	(+)	(-)	iS	1 40.2	133	285	142	3.4	6.4	5.0			
	MRTM	0	iP	22 29.1	(-)		-1	iS	1 48.2	323	308	249	6.5	8.4	6.0			
	WKYM	0	P	22 31.8				S	1 44.4	1015	950	157	2.5	1.9	2.3			
	NR	0	P	22 33.4				eS	1 44.0	600	1650	450	3.0	3.8	3.2			
	NGY	0	eP	22 33.4		-3	+4	S	1 48.0	273	401	171	3.0	3.0	3.0	SCS	11 45.4	
	SMZ	0	P	22 34.0	-2	+2	-3	eS	1 45.1	249	287	247	3.8					

International Seismological Centre

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	KOCH	0	eP	22 34.5		(+)	(-)	iS	1 50.8	200	950	500	5.2	6.2	5.6			
	SMT	0	iP	22 34.8	-2			eS	1 44.8	1100	1200	300	5.-	6.-	7.-	SCS	11 47.7	
	OSK	0	iP	22 35.0	(-)	+2	-10	eS	1 45.0	2800	3300	2000	4.8	4.8	3.9	iX	1 50.0	
	HKN	0	iP	22 36.0	+19	-9	+8	iS	1 44.7	587	550	196	1.5	1.7	3.4			
	KOB	0	P	22 36.1				S	1 54.9	1150	850	650	3.0	4.7	2.6			
	KYT	0	eP	22 36.8				iS	1 58.9		166	77		5.4	6.9			
	HMJ	0	P	22 37.6				S	1 51.7									
	TKMT	0	eP	22 35.7	-3	+3	-2	eS	1 50.5	1000	1250	300	5.4	6.2	3.5			
	TKSM	0	iP	22 39.5				iS	1 46.0									
	TRGS	0	P	22 41.1				S	1 52.5	1500	1300	500	5.4	7.0	4.6			
	OKYM	I	P	22 41.5	-1	+1	-1	iS	1 55.9	1000	1300	450	4.5	4.5	3.2			
	UWJM	0	eP	22 42.1				S	1 51.8	500	900	400	5.0	6.2	6.-			
	MTYM	0	eP	22 42.3				iS	1 54.7	476	1200	341	5.5	4.7	4.7			
	TYOK	0	iP	22 44.3	(-)	(+)	(-)	S	1 50.6	750	500	187	5.1	6.1	7.0			
	MIZR	0	eP	22 45.5				eS	1 57.8									
	TTR	0	P	22 46.5				S	1 57.0	900	700	250	6.1	6.1	4.0			
	HRSM	0	P	22 47.6	-2	+4	-7	S	1 57.5	850	1050	200	7.0	7.1	3.6			
	YNG	0	eP	22 51.0						1000	950	300	5.4	5.8	3.1			
	MTE	0	eP	22 52.6				S	2 1.6									
	HMD	0	P	22 54.6	-3	+3	-6	S	2 0.2	1000	1200	200	3.4	3.6	4.4			
	SIG	0	P	22 56.4	-3	(+)	-3	iS	2 7.0	315	291	250	3.4	4.8	6.2			
8	NGY	0	eP	05 51 02.8				eS	1 35.6	59	79	31	3.4	3.0	3.0			浦河沖 Off S coast of Hokkai-do 11.7°N 143.1°E 60Km
	HKN	0	eP	51 04.3				eS	1 38.4	47	37	20	3.0	3.0	3.3			
	KYT	0	eP	51 11.2				eS	1 42.6	20	16	11	7.3	5.3	6.0			
	TYOK	0	eP	51 12.5				eS	1 44.0	30	26	6	1.2	1.2	5.0			
	NR	0	eP	51 14.5														
	MIZR	0	eP	51 15.1														

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	SIG	0	P	51 17.8	−2	−5	+4	eS	1 46.2	10	17	9	3.4	4.2	5.0			
	OWS	0	eP	51 21.0				eS	1 50.4	23	19	26	7.2	7.3	6.3			
	OSK	0	eP	51 23.9				eS	1 49.6	100	80	25	7.0	4.1	2.5			
	SMT	0	P	51 24.4			(−)	eS	1 53.3	23	18	15	8.7	5.6	6.4	eX	7.3	
	OKYM	0	eP	51 26.0						8	11	12	3.2	4.0	4.2	eX	2 26.–	
	TKMT	0	eP	51 29.6						14	12		6.7	7.9		eX	2 18.1	
	TKSM	0	eP	51 30.6				eS	1 54.9									
	SMSK	0	eP	51 32.7				eS	2 6.5	33	27	8	4.2	4.2	2.4			
	MRTM	0	P	51 38.7						22	22	17	7.4	8.0	6.0	eX	2 25.5	
	HRSM	0	eX	51 40.9						10	8	9	6.0	5.2	4.0	eX	2 5.9	
	HMD	0	P	51 41.2	+3	+3	−4	eS	1 56.2	8	10	7	5.0	4.9	7.5			
	MTYM	0	eP	51 43.0				eS	2 1.3	15	12	1	5.1	13.5	4.2			
	SMZ	0	eP	51 53.0				eS	2 25.1	14	13	7	6.9	7.2	5.3			
8	NGY	0	iP	09 51 22.0		+3	−4	S	2 7.2	69	57	31	1.6	2.0	1.6			
	HKN	0	eP	51 28.3				eS	3 4.5	62	63	13	1.2	1.0	1.1			
	OWS	0	iP	51 35.6	(−)	(−)	(+)	iS	3 1.0	6	4	4	2.6	1.5	1.6			千葉県中部 Central part of Chiba pref. (35.[illegible] 140.[illegible] 70[illegible])
	NR	0	eP	51 35.7														
	KYT	0	eP	51 36.0				eS	4 0.3	14	11	4	1.7	1.2	1.5			
	OSK	0	P	51 39.1				S	4 3.9	52	33	23	2.8	2.1	1.8			
	SMSK	0	P	51 43.4				eS	4 5.1	4	6		1.1	1.9				
	KOB	0	eP	51 44.4														
	TYOK	0	eP	51 46.2						61	53	5	1.2	1.2	1.1			
	SMT	0	P	51 47.9		(+)	(−)	eS	5 0.2	6	4	3	3.4	3.6	3.2			
	TKSM	0	eP	51 53.9				eS	5 0.9									
8	MRTM	0	iP	17 21 30.4	(−)	(+)	+1	iS	3.4	19	29	7	0.7	0.9	0.7			徳島県南東部 SE Part of Shikoku
	KOCH	0	iP	21 33.0	−4	+12	−10	iS	7.7									
	TKSM	0	eP	21 42.8				eS	12.2									

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	TKMT	0	iP	21 43.6				iS	11.6	15	13		1.1	0.8				33.4°N 134.2°E 10Km (O.M.O)
	MTYM	0	eP	21 47.5				iS	15.0	9	10	3	0.7	0.7	0.7			
	SMT	0	P	21 48.7	+1	(+)	+1	S	14.1	6	4	2	0.5	0.4	0.8			
9	MIZR	0	iP	06 52 51.6				iS	3.1									
9	KYT	I	eP	23 21 38.1				sS	1.7	9	6	3	0.2	0.0	0.1			
10	MIZR	II	iP	12 59 06.4				iS	2.9									
	KYT	I	eP	59 09.4				iS	5.4	17	27	3	0.4	0.0	0.9			
	TYOK	0	iS	59 18.0						25	15		1.0	1.2				
10	SMT	0	P	22 44 08.9	(+)	(+)	+1	iS	0.9	14	7	3	0.3	0.3	0.2	eX	0.5	
12	MIZR	0	iP	20 08 19.3														
14	SMZ	0	eX	12 09 38.6						3	2	7	3.0	3.0	4.0			
	MRTM	0	eP	09 41.0							4	5		4.0	4.0	iX	8 58.0	
	HRSM	0	eP	09 45.5	(−)		(−)	eS	8 59.1	3	7	5	7.1	6.0	4.1			
	OKYM	0	eP	09 48.0				eS	9 5.0	6	5	2	4.0	5.4	3.2			
	SMT	0	P	09 49.5	−1		−1	S	9 0.6	3	5	6	0.4	5.8	4.2	eX	28 31.5	
	TKYS	0	eP	09 52.–				eS	9 3.–									
	OSK	0	eP	09 54.–				eS	9 3.–	10	8	6	4.8	5.2	5.5			
	SIG	0	eX	09 58.6						4	1	6	3.0	2.6	4.0			
14	NGY	0	eP	18 12 47.0				S	1 3.0	28	27	13	2.6	2.8	2.0			宮城県沖 Off coast of Miyagi pref. 38.2°N 142.7°E 40Km
	HKN	0	eP	12 52.4				S	1 9.1	22	22	7	1.9	1.9	2.2			
	KYT	0	eP	12 57.0				eS	1 20.2	5	4	2	1.3	2.0	2.5			
	NR	0	eP	13 03.5														
	TYOK	0	P	13 04.3				eS	1 23.1	11	9		1.4	1.7				
	OSK	0	eX	13 33.–						26	16	11	3.1	3.2	1.7			
15	TKSM	II	iP	03 53 54.8	−6	−34	−49	iS	1.3	292	410	334	0.0	0.0	0.0			徳島県東部
	TRGS	0	P	53 58.5				S	3.7									
	TKMT	0	eP	53 59.4				iS	5.4	25	13	14	1.0	1.0	0.7			

Date	Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha	p-Pha. m s	Remarks
	SMT	I	iP	54 00.3	−1	−2	−2	iS	6.1	35	21	9	0.2	0.2	0.2			
	OKYM	I	iP	54 05.4	+3	−3	+2	iS	9.8	24	32	6	0.3	0.3	0.3			E part of Shikoku
	KOB	0	P	54 07.9			−2	S	11.5									
	MRTM	0	iP	54 08.9			(+)	iS	10.8	9	10		0.8	0.8				34.1°N 134.4°E 20Km
	SMSK	0	eP	54 14.6				iS	17.0	6	10	5	0.2	0.2	0.2			(O.M.O)
	TYOK	0	eP	54 18.5				eS	20.1	16	19		1.4	1.2				
16	SMZ	0	eP	16 47 02.8				eS	1 30.3	7		4	4.1		4.2			
	MRTM	0	P	47 13.5				iX	1 52.5	5	7		9.0	7.0		iX	1 3.0	
	HRSM	0	eP	47 14.4				eS	1 45.6	6	7	5	5.1	6.1	14.4			
	TKMT	0	eP	47 14.7						6	6		8.2	10.3		eX	2 17.0	
	MTYM	0	eP	47 15.1				eS	1 6.0	8	13	1	5.6	6.8	4.7			
	HMD	0	P	47 22.0			+1	S	1 26.2	6	6	6	4.0	4.0	5.2			
	SIG	0	eP	47 23.9				eS	1 30.1	8	8	6	4.2	5.4	5.0			
	OKYM	0	eP	47 27.–						5	6	7	4.0	4.8	5.0			
	SMT	0	P	47 30.5				eS	1 48.0									
	OSK	0	eP	47 37.–						20	16	6	5.0	4.8	1.2			
	TYOK	0	eP	47 43.6						19	10	7	4.7	5.7	5.1			
16	HKN	0	eP	21 38 31.8				S	9.8	10	7		1.0	1.0				
17	OKYM	0	P	01 50 26.5				iS	2.1	6	14	2	0.2	0.2	0.2			
17	NGY	0	eP	22 29 53.4				eS	1 9.4	12	6	3	3.0	2.6	1.6			
18	NR	0	eP	13 15 54.3				iS	1.0									
20	HRSM	0	eX	16 11 21.–						6	6	4	10.3	9.9	10.0	eX	11 30.0	
	MTYM	0	eP	11 25.6				eS	2 51.0	9	6	5	13.1	12.6	11.4			
	HMD	0	eP	11 26.8				eS	2 25.6	8	4	7	7.2	5.2	7.6			
	MRTM	0	eX	11 28.0						6	6		10.0	7.0		eX	5 10.0	
	SIG	0	eX	11 46.7						7	6	4	5.0	5.0	4.4	eX	4 8.–	
	SMT	0	P	11 49.8				eS	1 3.9	7	5	5	13.2	8.6	9.8			

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Date	Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha	p-Pha. m s	Remarks
	NGY	0	eP	12 10.0						7	6		3.4	3.4		eX	5 28.0	
	TYOK	0	eP	12 11.–				eS	4 7.–	6	9	4	9.2	11.4	5.6			
	OSK	0	eX	12 32.–						23	14	7	4.5	3.3	1.0			
	HKN	0	eX	17 29.3						12			3.8					
20	NR	0	eP	16 42 42.6				iS	1.0									
20	KYT	0	iP	21 23 54.5		(+)	(−)	eS	2 14.5	6	4	4	6.5	10.0	12.0			
	NGY	0	eP	24 06.0				eS	2 5.0	8	8	6	4.0	3.6	7.2			
	OKYM	0	eP	24 —						2	4	6	7.0	10.–	10.–			
	HRSM	0	eX	24 45.–						6	4	4	12.2	12.0	11.9			
	TYOK	0	X	26 02.9						5	7		6.2	12.3				
	HKN	0	eX	26 07.8						10	7		6.4	6.8				
	OSK	0	eX	26 10.–						14	15	6	5.0	4.5	10.–			
	MRTM	0	eX	26 22.8						6	7	5	6.8	6.0	12.0			
	SMT	0	eX	26 33.4						5	4	5	5.8	7.4	7.9			
	SMSK	0	eX	27 05.8						5	9		9.6	11.6				
21	HRSM	0	P	12 38 07.0	−1		−1	iS	7.8	10	14	7	0.2	0.2	0.2			
	OKYM	0	P	38 51.–						6	3		0.5	0.5				
22	MIZR	0	iP	17 33 51.3				iS	3.0									
23	WKYM	I	iP	10 52 56.1				iS	0.2	20	40		0.1	0.1				
24	SMZ	0	eP	06 11 57.1						24	11	19	19.8	12.8	18.0	eX	5 46.6	
	HRSM	0	eP	11 58.8	+2	−1	+3	eS	6 10.5	29	18	18	22.7	12.9	20.7			
	WKYM	0	P	12 00.0				S	5 45.0	32	28		19.2	14.4				Admiralty Is.
	OWS	0	eP	12 00.0						100	120	160	20.0	15.0	19.6			
	SMSK	0	eP	12 00.7				eS	6 13.1			6			19.0			4°S 145°E
	MRTM	0	eX	12 01.0				eX	8 43.0	24	20	17	20.0	14.0	19.8	eX	10 34.1	
	TKYS	0	eP	12 03.–				S	5 56.–							eL	8 59.–	
	OSK	0	eP	12 03.5				eS	5 59.0	28	45	26	4.0	5.2	21.0	eL	6 59.–	

Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	SMT	0	P	12 04.4	(+)		(+)	eS	5 48.6	19	20	24	16.6	14.1	18.1	L	8 44.-	
	MTYM	0	eP	12 04.8				eS	5 35.0	53	18	27	22.3	23.3	21.8			
	TKMT	0	eP	12 05.1				eS	5 58.8	34		7	18.0		22.7			
	OKYM	0	eP	12 07.0	(+)		(+)	eS	5 56.-	6	10	16	20.-	14.-	20.-			
	NGY	0	eP	12 07.2				eS	5 59.8	13	15	23	18.0	10.8	20.6	eL	8 49.3	
	HKN	0	eP	12 08.9				eS	6 1.1	26	34	26	25.6	17.8	24.0			
	KYT	0	eP	12 09.0						11	23	13	18.5	17.8	18.6	eX	8 55.4	
	KOB	0	eX	12 10.4														
	TYOK	0	P	12 11.2				S	6 1.1	23	47	25	17.2	16.2	17.6	L	9 8.3	
	HMD	0	eP	12 12.8				eS	6 3.6	13	10	20	20.0	18.8	21.8			
	SIG	0	eP	12 21.3				eS	6 8.5	16	13	12	19.2	14.-	18.4	eL	9 10.-	
24	NR	0	eP	16 49 01.8				eS	2.2									
24	MIZR	0	iP	23 25 47.6				iS	3.0									
	KYT	0	iP	25 51.2			+1	iS	5.3	6	11		00	0.0				
25	NGY	0	eP	00 57 26.0				eS	5 0.-	7	7	5	3.6	3.2	4.4			
	OSK	0	eX	58 45.-														
25	TYOK	0	iS	17 32 32.6						4	9		1.0	1.1				
26	NGY	0	eP	03 19 18.9				iS	10.3	11	5	8	0.5	0.5	0.5			
27	UWJM	0	eP	07 04 50.0				iS	9.4									
27	MTYM	II	iP	22 15 58.3	-1	+4	+4	iS	7.5	223	264	89	0.7	0.7	0.4			
	UWJM	II	P	16 00.1				iS	8.5									
	HRSM	II	iP	16 00.9	+1		+3	iS	9.5	68	53	37	0.7	0.6	0.4			伊予灘 Iyo-nada
	KOCH	II	eP	16 06.9		(-)		iS	12.2									
	HMD	0	eP	16 08.8				S	15.6	13	6	6	0.8	0.8	0.7			33.6°N 132.1°E 10Km
	SMZ	0	P	16 09.0			-1	S	15.3	27	19	11	0.6	0.4	0.5			
	TRGS	0	P	16 12.9														
	TKMT	0	eP	16 13.6				iS	17.7	20	19	16	1.2	0.8	0.7			

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Date	Station	S.I.	Pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha.	p-Pha. m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha.	p-Pha. m s	Remarks
	OKYM	I	eP	16 14.0				S	18.8	34	33	4	0.5	0.5	0.5			
	MRTM	0	eP	16 14.2				iS	25.0	12	12		1.0	0.5				
	MTE	0	eP	16 16.7				S	23.1									
	YNG	0	iP	16 21.3			(+)	iS	20.2									
	TKSM	0	eP	16 22.5				eS	23.3									
	SMT	0	P	16 23.1		(-)	(-)	S	21.0	9	5	3	0.6	0.3	0.6	eX	7.7	
	TTR	0	P	16 25.5				iS	27.1									
	WKYM	0	eX	16 33.7						24	20		1.2	0.7				
	TYOK	0	eP	16 39.1						35	24	6	1.2	1.1	1.4			
	KOB	0	eX	16 51.7														
28	HMD	0	eP	02 02 52.8				S	1.6	19	15	6	0.1	0.1	0.1			
28	SMZ	0	eP	07 31 19.5				eS	9.7	8	4	3	0.6	0.5	0.5			
28	WKYM	0	iP	16 25 28.4				iS	0.4		220			0.1				
28	WKYM	I	iP	16 25 33.8				iS	0.6		540			0.1				
28	NGY	0	P	23 41 39.2	-2	+4	-4	S	45.0	29	28	17	2.4	2.0	1.4			
	OWS	0	eP	41 41.2	(-)	(+)	(-)	eS	46.2	5	10	9	3.6	2.2	2.2			
	SMSK	0	eP	41 45.6				eS	45.4	6	6		1.6	1.6				八丈島近海 Far S off Honshū
	HKN	0	P	41 47.1				S	49.3	28	24	10	1.9	1.5	1.2			
	KYT	0	P	41 50.0	(+)	+1	-1	eS	53.2	7	5	3	1.3	2.0	2.0			
	OSK	0	eP	41 51.0				eS	48.5	23	22	7	3.0	2.0	2.4	X	1 23.5	
	WKYM	0	eX	41 54.2														33.4°N 140.6°E 80Km
	KOB	0	eP	41 56.5				eS	57.8									
	SMT	0	iP	41 58.3		+2	-1	eS	56.1	7	5	4	2.5	2.4	2.0	eX	5.5	
	TYOK	0	eP	42 01.6				S	1 7.6	21	18		1.2	1.0				
29	UWJM	I	eP	06 47 02.-				eS	7.-									
	SMZ	0	S	47 22.9						5	6	3	0.2	0.2	0.2			
29	UWJM	I	P	07 05 35.1				S	5.6									

Date	Station	S.I.	Pha	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	Pha	p-Pha m s	Max. Amplitude Amp. (μ) N	E	Z	Period (sec) N	E	Z	Pha	p-Pha m s	Remarks
29	SMSK	0	eP	08 41 50.5				eS	7 34.0	8	8		4.3	6.1				
	MRTM	0	iP	41 56.2	(-)		(+)					1			4.0	eX	7 37.8	
	NGY	0	P	41 57.0						5	3	5	2.2	2.2	2.0	eX	7 39.0	
	TKYS	0	iP	41 58.4	(-)	+1	-2	iS	7 39.6									
	SMZ	0	eX	41 58.8						3	3	7	2.3	2.2	3.3			
	OSK	0	eP	42 00.-				eS	7 39.-	9	8	8	4.5	4.3	4.6			
	TYOK	0	eP	42 06.7				eS	7 44.9	11	6		1.2	1.3				
	HMD	0	eP	42 11.8						2	2	7	3.5	1.9	3.7	eX	14.0	
	SIG	0	eX	42 16.5						5	3	7	2.2	1.6	2.6			
29	NGY	0	eP	13 07 31.0				eS	1 52	14	11	5	2.4	2.4	1.4			
	HKN	0	eP	07 41.4				eS	1 17.5	17	12	6	1.7	1.7	1.9			
	OSK	0	eX	07 54.-						15	13		4.3	3.2				
30	OSK	0	eP	07 25 32.5						6	5	2	4.4	3.2	2.3			Alaska
	TKYS	0	P	25 32.5			-1	eS	7 30.0							eL	16 -	
30	SMZ	0	eP	10 50 27.8				S	7.6	6	4	3	0.8	0.6	0.6			
31	NGY	0		03 18 08.4				iS	20.2	6	7	3	1.0	0.8	0.6			
31	MIZR	0	iP	17 35 05.3														
31	SMT	0	iP	18 13 19.8	+1		+3	S	5 20.4	4	2	6	2.8	5.5	2.2	eX	10 22.2	
	TKYS	0	P	13 22.8	-1	(-)	-1	S	5 27.2							eX	10 22.-	
	OSK	0	P	13 23.0	-2	-2	-3	eS	5 28.-	18	11	5	3.5	3.0	3.2			
	TYOK	0	P	13 28.6				S	5 26.1	8	11	4	1.1	1.2	2.8			
	HKN	0	X	13 29.1						11	9	5	2.5	2.3	2.6			
	NGY	0	iP	13 31.0	+2	+1	+7	eS	5 32.0	9	6	7	2.6	2.6	2.4	X	10 20.0	

International Seismological Centre

Report of Earthquakes—

—Station without Seismograph.

Oct. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
3	Miyama	美山	Kyōto	II	04h 28m	heard
	Sonobe	園部	〃	II	04 55	
	Fukuchiyama	福知山	〃	II	04 54	
4	Miyama	美山	〃	I	02 10	
4	〃	〃	〃	I	04 00	
4	Shimowachi	下和知	〃	I	13 48	
4	Fukuchiyama	福知山	〃	I	21 15	
6	Kameoka	亀岡	〃	II	04 36	
	Fukuchiyama	福知山	〃	II	36	
	Kawakami	川上	Nara	I	35	
8	Furumachi	古町	Okayama	I	04 23	
10	Kameoka	亀岡	Kyōto	I	13 00	
27	Kurose	黒瀬	Hiroshima	III	22 15	
	Ōtake	大竹	〃	II	15	
	Kure	呉	〃	II	15	
	Ekawasaki	江川崎	Kōchi	II	16	heard
	Kake	加計	Hiroshima	I	15	
	Kabe	可部	〃	I	15	
	Yoshida	吉田	〃	I	15	
	In-no-shima	因島	〃	I	15	
	Shōbara	庄原	〃	I	15	
	Matsunaga	松永	〃	I	15	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
			Kyōto	I	$09^h\ 50^m$	
22	Shimowachi	下和知		II	17 35	heard
22	〃	〃				

International Seismological Centre

International Seismological Centre

19 JAN 1970

大阪管区

地震月報

昭和43年11/12月

THE MONTHLY REPORT OF EARTHQUAKES

November / December 1968

大阪管区気象台

The Osaka

District Meteorological Observatory

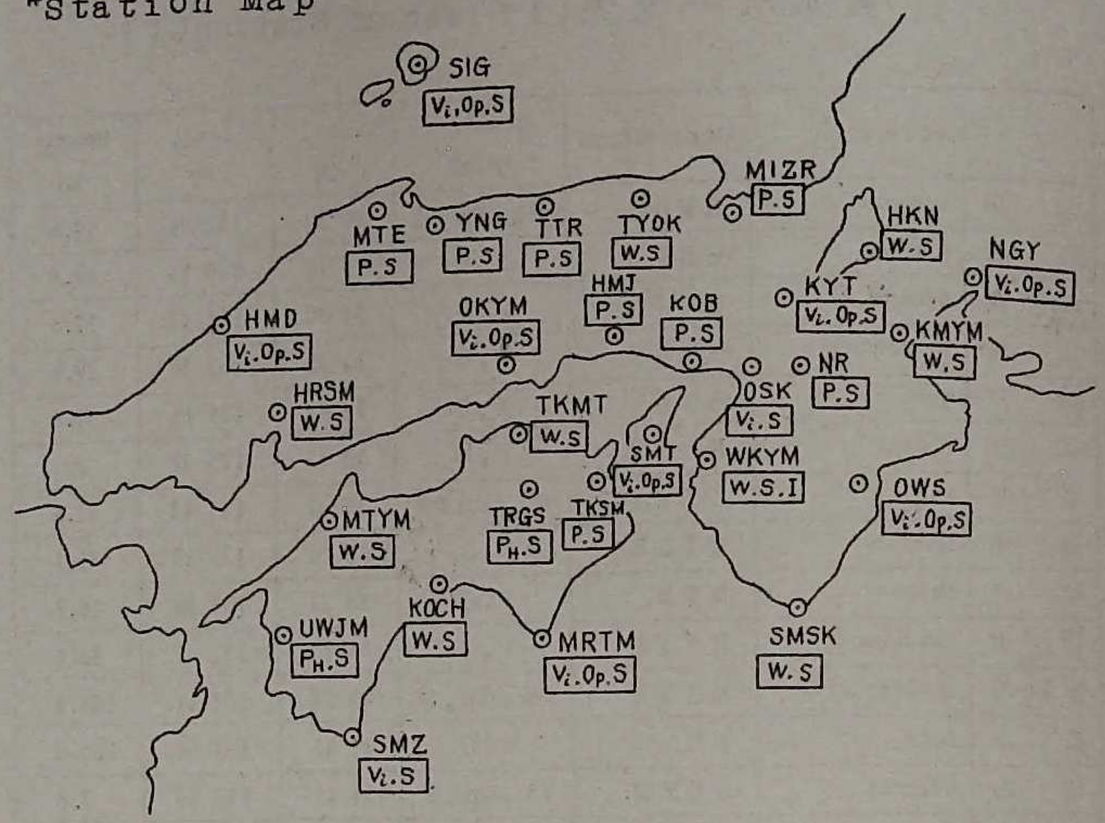
Japan

International Seismological Centre

観測所一覧表(1) List of Station(1)

Station		Abbreviation	Seismo-graph	Lat. (N)	Long. (E)	Height (m)
浜田	Hamada	HMD	Vi, Op, S	34°54′	132°04′	19.6
彦根	Hikone	HKN	W, S	35 16	136 15	88.8
姫路	Himeji	HMJ	P, S	34 50	134 42	17.6
広島	Hiroshima	HRSM	W, S	34 22	132 26	29.7
神戸	Kōbe	KOB	P, S	34 41	135 11	58.8
高知	Kōchi	KOCH	P, S	33 33	133 32	2
京都	Kyōto	KYT	Vi, Op, S	35 01	135 44	42.6
舞鶴	Maizuru	MIZR	P, S	35 28	135 23	31.2
松江	Matsue	MTE	P, S	35 27	133 04	18.7
松山	Matsuyama	MTYM	W, S	33 50	132 47	32.4
室戸岬	Murotomisaki	MRTM	Vi, Op, S	33 15	134 11	185.9
奈良	Nara	NR	P, S	34 41	135 50	105.0
岡山	Okayama	OKYM	Vi, Op, S	34 41	133 55	3.8
大阪	Ōsaka	OSK	Vi, S	34 41	135 31	13 49(9)
西郷	Saigō	SIG	Vi, Op, S	36 12	133 20	28.3
清水	Shimizu	SMZ	Vi, S	32 43	133 01	30.2
潮岬	Shionomisaki	SMSK	W, S	33 27	135 46	74.3
洲本	Sumoto	SMT	Vi, Op, S	34 20	134 54	109.6
高松	Takamatsu	TKMT	W, S	34 19	134 03	9.6
徳島	Tokushima	TKSM	P, S	34 04	134 35	1.8
鳥取	Tottori	TTR	P, S	35 31	134 11	17.7
豊岡	Toyooka	TYOK	W, S	35 32	134 49	4.2
剣山	Tsurugisan	TRGS	P_H, S	34 03	134 10	56.1
宇和島	Uwajima	UWJM	P_H, S	33 14	132 33	43.4
和歌山	Wakayama	WKYM	W, S, I	34 14	135 10	14.3
米子	Yonago	YNG	P, S	35 26	133 21	7.1
亀山	Kameyama	KMYM	W, S	34 51	136 28	69.2
名古屋	Nagoya	NGY	Vi, Op, S	35 10	136 58	55.7
尾鷲	Owashi	OWS	Vi, Op, S	34 04	136 12	16.1
高安山	Takayasu-yama	TKYS	Vd	34 37	135 40	472

"Station Map"



Notation

Op: Electromagnetic seismograph with optical recorder (T_0=1.5 sec, V=500 or 1000)

P : New-type portable seismograph (T_0=2, V=60)

P_H: Portable seismograph, horizontal only (T_0=3~4, V=50)

S : Storong motion seismograph (T_0=5~6, V=1)

Vi: J.M.A.59-type Electromagnetic seismograph with visible recorder (T_0=5, V=100)

Vd: J.A.M.61-type Electromagnetic seismograph with visible recorder (T_0= 10, V=200)

W : Wiechert's seismograph (T_0=5, V=80)

I : Ishimeto's seismograph (T_0=1, V=300)

International Seismological Centre

Number of earthquakes

Nov. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	12	1	—	—	—	—	—	—	13
Himeji	1	—	—	—	—	—	—	—	1
Kōbe	3	—	—	—	—	—	—	—	3
Kyōto	10	2	—	—	—	—	—	—	12
Maizuru	1	2	—	—	—	—	—	—	3
Nara	3	—	—	—	—	—	—	—	3
Ōsaka	22	—	—	—	—	—	—	—	22
Shionomisaki	5	1	—	—	—	—	—	—	6
Sumoto	10	1	—	—	—	—	—	—	11
Toyooka	13	—	—	—	—	—	—	—	13
Wakayama	6	4	—	—	—	—	—	—	10
Chūgoku District									
Hamada	7	—	—	—	—	—	—	—	7
Hiroshima	3	—	—	—	—	—	—	—	3
Matsue	2	—	—	—	—	—	—	—	2
Okayama	4	—	—	—	—	—	—	—	4
Saigō	6	—	—	—	—	—	—	—	6
Tottori	1	—	1	—	—	—	—	—	2
Yonago	1	—	—	—	—	—	—	—	1
Shikoku District									
Kōchi	1	—	—	—	—	—	—	—	1
Matsuyama	6	—	—	—	—	—	—	—	6
Murotomisaki	7	—	—	—	—	—	—	—	7
Shimizu	9	—	—	—	—	—	—	—	9
Takamatsu	4	—	—	—	—	—	—	—	4
Tokushima	5	—	—	—	—	—	—	—	5
Tsurugisan	2	—	—	—	—	—	—	—	2
Uwajima	2	3	—	—	—	—	—	—	5

Date	Station	SI.	Pha.	Time (J.S.T.) h	m	s	Initial Motion(μ) N	E	Z	Pha	P~Pha. m	s	Max.Amplitude Amp(μ) N	E	Z	Period (sec) N	E	Z	Pha	P~Pha m	s	Remarks
1	NGY	X	iP	04	50	39.6			-11	iS		57	23	21	8	02	0.2	02				愛知県南部 S part of Aichi pref.
	HKN	0	eP		50	45.0				iS		10.6	14	15	6	0.9	0.8	0.9				
1	WKYM	0	iP	11	23	23.2				iS		03	50	27		0.1	0.1					
1	NGY	0	P	22	59	25.0				S	1	42	10	12	6	3.0	2.6	2.8				福島県沖 Off Fukushima pref.
	OSK	0	eX	23	00	20.—							9	5	4	3.1	3.5	2.5				
	TKYS	0	eS		01	12.—																
3	WKYM	0	P	00	27	14.0				iS		05	16	36		0.1	0.1					
3	WKYM	I	P	05	54	22.0				iS		11	19	17		0.1	0.1					
3	NGY	0	iP	16	38	06.6	+	1 −	1 + 3	S		20.2	6	6	3	0.9	1.0	1.0				富山県 南東部 SE part of Toyama pref.
	HKN	0	eP		38	10.8				S		22.2	15	16	4	1.0	1.0	0.6				
	TYOK	0	eP		38	25.8				S		20.6	9	7		1.2	1.1					
3	SMSK	I	iP	22	28	20.2				iS		5.9	12	14	10	0.2	0.2	0.2				
3	OSK	0	eX	23	57	32.0							7	5	2	3.6	4.2	2.8				
4	SMT	0	iP	03	35	48.1	−	1 (−)	− 1	iS		62	7	4	2	0.4	0.4	0.2				
4	NGY	0	eP	18	16	47.6				S	7	26.4	7	4		5.0	4.4					
	SMT	0	P		16	51.8			+ 1	iS	7	28.5	6	3	2	5.8	4.6	8.1	eX	8	56.7	
	HMD	0	eP		17	02.9				eS	7	39.5	12	2	3	5.2	3.6	3.8				
	SIG	0	P		17	05.2	(+)		(−)										eX	7	42.8	
	OSK	0	eX		17	31.—				S	6	47.—	20	8	3	4.4	4.0	4.8				
5	KYT	0	iP	00	43	40.2			− 1	iS		33	7	7	1	0.0	0.0	0.0				
6	MIZR	I	iP	08	06	04.0				iS		30										
6	NGY	0	eP	10	30	45.0				S	1	36.4	6	5	2	2.4	2.6	2.6				
6	UWJM	I	P	16	56	04.9				iS		56										
	MTYM	0	eP		56	10.6				iS		87	6	9	3	0.6	0.7	0.5				
7	NGY	0	P	18	20	45.3				S	1	20.5	10	12	5	3.0	2.0	3.0				岩手県沖 Off Iwate pref
	HKN	0	eP		20	48.2				eS	1	35.3	7	7	3	1.5	1.9	1.5				
	OSK	0	eX		21	05.—							18	11	4	3.2	3.2	3.0				

International Seismological Centre

Date	Station	SI.	pha.	Time (J.S.T.) h	m	s	Initial Motion(μ) N	E	Z	pha	p~pha m	s	Max.Amplitude Amp.(μ) N	E	Z	period(sec) N	E	Z	pha	p~pha m	s	Remarks
9	KYT	0	eP	18	08	42.5				iS		2.9	11	16	2	00	00	07				
	TYOK	0	S		09	04.0							6	6		07	06					
9	TRGS	0	P	23	39	16.1																
10	WKYM	I	P	13	21	09.6				iS		11	86	144		01	01					
10	MRTM	0	iP	14	39	55.3			(−)	iS		95	3	8		0.4	06					
11	KYT	I	eP	01	15	31.4				iS		33	19	24	5	00	00	00				京都府 中部 Middle of Kyoto pref
	TYOK	0	P		15	41.6				S		10.9	7	7		06	08					
11	NGY	0	eP	02	06	37.0				eS	3	56.0	7	8	3		26	16				
11	UWJM	I	eP	16	19	25.8				iS		5.4										
11	NGY	0	eP	23	43	01.0				S	1	26.4	42	61	18	34	30	32				
	HKN	0	eP		43	05.4				eS	1	31.2	34	30	11	45	59	43				三陸 はるか沖 Far off Sanriku
	KYT	0	eP		43	11.3				eS	1	32.7	29	19	10	77	92	61				
	OSK	0	eX		43	13.1							63	49	19	46	65	65	eX	1	43.0	40°7'N 143°25'E 30 km
	TYOK	0	eP		43	14.2	(−)	(−)	(+)	S	1	36.1	24	20	11	12	12.6	62				
	OWS	0	iP		43	16.5	(−)	(−)	(+)	eS	1	59.9	14	9	8	7.0	52	52				
	SMT	0	P		43	21.3			(−)	eS	1	44.3	21	14	10	8.8	6.6	5.4				
	SMSK	0	eP		43	21.8				eS	1	51.5	14	15		48	58					
	SIG	0	P		43	23.0	+	1 (+)	− 1	S	1	46.3										
	OKYM	0	eP		43	27.8	(−)	(−)	(+)				5	10	10	14.0	14.0	14.5				
	TKMT	0	eP		43	29.2				eS	1	54.6	19	15	6	14.8	15.4	13.9				
	HRSM	0	eP		43	46.0							15	21	6	14.2	14.9	14.0	eX	2	17.0	
	MRTM	0	eP		43	39.0							13	17	10	7.0	9.0	13.0	eX	1	50.5	
	HMD	0	eP		43	43.3				eS	2	4.1	7	6	6	5.0	13.6	8.4				
	MTYM	0	eP		43	46.5				eS	2	5.0	21	12	6	14.5	15.5	15.0				
	SMZ	0	eP		43	51.3							10	7	8	3.7	4.2	4.3	eX	2	32.3	
12	WKYM	0	P	06	56	46.7				iS		0.5	69	63		01	01					
12	TYOK	0	eP	09	46	28.—							18	10		11	11					

Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	pha.	p~pha. m s	Max. Amplitude Amp. (μ) N	E	Z	period (sec) N	E	Z	pha.	p~pha. m s	Remarks
	NGY	0	eP	46 476				eS	2 34.4	4	5	2	2.0	2.6	1.2			
	OSK	0	eX	46 51.—						9	8		3.0	2.0				
12	NGY	0	eP	17 59 395				eS	1 373	8	7		2.8	2.6				
	OSK	0	eX	18 00 04.—						5			2.5					
12	SMZ	0	eP	18 55 038						6	4	3	4.2	2.7	4.4	eX	1 37.9	奄美大島付近 Near Amami-oshima 28°48′N 130°17′E 0 km
	MRTM	0	eP	55 06.8				eX	2 22	6			8.0			eX	3 58	
	SMT	0	P	55 26.6		(+)	(−)	eS	1 54.2	5	3	4	8.6	7.0	7.2	eX	5.2	
	OSK	0	eX	55 30.0						16	21	4	3.5	3.6	5.0			
	NGY	0	eP	55 48.0				eS	1 52.8	6	6	3	2.4	3.0	2.0			
	HKN	0	eX	55 50.5						8	8		1.5	1.5				
12	NGY	0	eP	23 06 22.0				eS	1 12.8	11	8	4	2.4	2.2	2.0			
	OSK	0	eX	06 56.—						7	5	3	4.0	3.3	2.2			
13	KYT	0	iP	00 17 462			(−)	iS	2.3	8	3		0.2	0.0				
14	NGY	0	eP	03 43 276				eS	1 22.2	93	72	27	3.0	2.8	2.0			岩手県沖 Off Iwate pref. 40° 9′N 142°47′E 30 km
	HKN	0	P	43 32.2				eS	1 27.5	42	57	17	2.4	1.8	1.7			
	KYT	0	eP	43 37.3				eS	1 28.0	25	12	8	3.0	4.4	7.3			
	OWS	0	eP	43 40.5	(+)	(+)	(−)	eS	1 58.5	10	10	17	6.0	3.0	2.8			
	NR	0	eP	43 40.9														
	OSK	0	eP	43 43.0				eS	1 37.0	75	56	35	3.1	4.5	2.0			
	TYOK	0	eP	43 43.2	−3	−5	+3	eS	1 29.3	31	28	9	1.3	1.3	3.5			
	KOB	0	eP	43 48.9														
	SIG	0	P	43 49.0	(−)	(−)	+1	S	1 38.8									
	SMT	0	P	43 50.2				eS	1 37.8	11	11	10	6.0	5.2	5.0			
	SMSK	0	eP	43 51.6				eS	1 43.1	13	20		1.8	3.3				
	WKYM	0	eX	43 52.1						13	10		1.2	1.2				
	OKYM	0	eP	43 55.2	(−)	(−)	(+)	eS	1 46.—	6	8	6	3.0	5.0	5.0			
	TKMT	0	iP	43 57.8				eS	1 51.3	7	6		3.6	3.4				

International Seismological Centre

Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	pha.	p~pha. m s	Max. Amplitude Amp. (μ) N	E	Z	period (sec) N	E	Z	pha.	p~pha. m s	Remarks
	TKSM	0	eP	44 00.5				eS	1 44.4									
	MRTM	0	iP	44 06.6			(−)	iS	1 45.3	15	13	8	5.0	6.8	6.0			
	HMD	0	P	44 11.4		+2	−1	eS	1 57.2	6	4	3	4.8	4.6	3.4			
	MTYM	0	eP	44 12.7				eS	1 57.0	8	3	3	3.9	3.6	3.2			
	HRSM	0	eP	44 15.1	+2	+2	−3	eS	1 56.3	6	6	4	6.9	15.0	6.9			
	SMZ	0	eP	44 21.4				eS	2 3.8	9	4		5.0	4.0				
14	SMZ	0	P	21 12 205			−1	S	16.7	67	44	24	1.5	2.4	1.7			
	UWJM	0	eP	12 21.—														日向灘 Hyuganada 31°32′N 131°53′E 10 km
	MTYM	0	eP	12 33.3				eS	25.5	40	51	31	0.8	2.1	2.1			
	MRTM	0	P	12 34.8				S	28.2	16	14	9	3.6	3.8	3.0			
	KOCH	0	eX	12 39.1												eX	15.3	
	HRSM	0	eP	12 38.7						30	54	23	4.2	4.3	1.8	eX	30.7	
	HMD	0	P	12 45.8	+2			eS	45.6	28	19	42	2.0	4.3	4.3			
	TKMT	0	eP	12 48.1				iS	47.9	33	38	12	4.5	4.1	1.5			
	OKYM	0	P	12 49.9						16	16	13	2.5	3.0	2.6			
	SMSK	0	eP	12 50.8						9	9		2.1	1.7		X	40.4	
	SMT	0	P	12 53.4		(+)	(+)	S	43.7	20	12	9	2.8	2.5	3.0	eX	29.7	
	TRG	0	X	12 55.4														
	TKSM	0	eP	12 48.0				eS	36.6									
	OWS	0	eP	13 00.0	(−)	(−)	(−)	eS	46.0	7		3	2.0		3.0			
	TTR	0	eX	13 00.6														
	YNG	0	eP	13 02.8														
	MTE	0	eP	13 03.6														
	KYT	0	eP	13 05.2				eS	1 19.9	11	5	5	3.0	1.6	8.4			
	SIG	0	P	13 10.8	(−)	(−)	(−)											
	OSK	0	eX	13 18.0					55.7	58	37	14	3.3	3.3	2.9			
	NGY	0	eP	13 18.6				S	1 02.8	14	17	4	3.0	2.8	2.0			

Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	pha.	p-pha. m s	Max. Amplitude Amp. (μ) N E Z	period (sec) N E Z	pha.	p-pha. m s	Remarks
	WKYM	0	eX	13 22.6				29 19	12 0.9			
	TYOK	0	S	14 41.5				69 67 11	11 1.1 3.6			
	HKN	0	eS	15 11.7				17 17 13	25 1.9 22			
	KOB	0	eX	15 31.–								
15	UWJM	0	eP	05 54 40.6		iS	20.5					日向灘 Hyuganada
	SMZ	0	eP	54 46.6		S	22.9	11 9	1.4 1.3			31°31′N 131°55′E 10 km
	MTYM	0	eP	54 56.3		eS	21.5	7 6 2	1.0 0.6 1.6			
	HMD	0	eP	55 14.2		eS	37.8	3 3 6	1.6 2.0 3.0			
	TYOK	0	eP	55 58.–				10 9	1.1 1.2			
	OSK	0	eX	56 38.–				8 5	3.0 3.2			
15	HMD	0	eP	12 40 30.2		S	18	14 2 10	0.1 0.1 0.1			
15	SMZ	0	eP	15 07 54.2		eS	7.6	6 4	0.8 0.8			
15	KYT	0	iP	23 19 24.0	(−) +1 +1	iS	19	7 5	0.2 0.0			
16	SMT	0	P	04 13 46.8	(−) (−)	iS	42	6 4 1	0.4 0.3 0.6			
17	SMT	0	iP	12 38 57.9	+1 (+) −1	iS	91	5 3 1	0.4 0.3 0.8	eX	6.4	
	TKSM	0	eP	38 58.2		iS	97					
17	NGY	0	eP	22 01 03.6		eS	1 18.8	8 7 2	2.8 2.6 1.6			
18	NGY	0	eP	12 01 37.8		S	22.7	9 8 5	2.0 1.5 1.1			松代付近 Near Matsushiro
	HKN	0	eS	02 10.5				14 9 4	0.9 1.1 1.3			
	OSK	0	eX	02 32.0				6 5	4.3 4.3			
18	OWS	0	eP	12 06 49.0		eS	2.6	18				
18	NGY	0	eP	15 03 39.0		eS	54.8	9 8 4	2.0 2.6 2.0			
	HKN	0	eS	15 04 52.3				9 7 3	1.1 1.4 1.3			
	OSK	0	eX	05 02.2				6 6	2.8 2.1			
19	NGY	0	P	02 18 10.4		S	38.6	9 9 4	2.0 2.6 1.6			
	OSK	0	eP	02 19 15.7				11 6 5	3.0 3.6 1.9	eX	21.5	
20	HKN	I	P	18 11 14.0		iS	35	70 140 26	0.5 0.6 0.5			

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Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	pha.	p-pha. m s	Max. Amplitude Amp. (μ) N E Z	period (sec) N E Z	pha.	p-pha. m s	Remarks
	KYT	0	iP	11 17.7	+1 +1 −3	iS	4.6	14 20 4	0.5 0.4 1.0			滋賀県東部 E part of Shiga pref. 35°14′N 136° 0′E 0 km
	MIZR	0	iP	11 22.6		iS	6.9					
	NGY	0	iP	11 27.4	−6	iS	10.8	5 4 7	0.2 0.3 0.2			
	TYOK	0	eP	11 32.2		eS	10.8	13 14 8	1.2 0.6 0.4			
21	TYOK	0	iS	12 10 51.6				12 18	12 0.4			
22	NGY	0	eP	13 58 05.2		S	36.8	5 3	2.6 2.8			
22	SMZ	0	eX	18 03 48.2				5 4 8	4.9 4.8 5.2			
	MRTM	0	P	04 00.8				7 6 5	5.8 7.0 6.4	iX	3 49.7	
	OSK	0	eP	04 22.0		eX	2 08.–			eX	4 1.–	
	NGY	0	eP	04 34.6		eS	4 07.4	3 3 5	2.4 2.6 4.4			
22	OSK	0	eP	20 43 36.5				5 4	3.0 2.5			
25	MTE	0	eP	01 44 53.4		iS	4.0					
	SIG	0	iP	45 05.0	(+) +1	iS	12.6					
25	NGY	0	iP	05 47 39.9		iS	2.9	9 13 6	0.2 0.2 0.2			
25	NGY	0	eP	06 22 38.6		eS	1 22.4	98 67 33	2.4 2.4 2.4			岩手県沖 Off Iwate pref. 40°16′N 142°34′E 50 km
	HKN	0	P	22 43.4		eS	1 20.1	44 40 13	3.5 3.5 2.1			
	KYT	0	iP	22 49.3	(−) (−) (+)0	eS	1 27.2	22 8 6	2.7 2.0 2.5			
	TYOK	0	P	22 52.1	(−) (−) (+)			10 23 5	1.1 1.1 1.4			
	OWS	0	eP	22 53.0	(−) (−) (+)	iS	1 28.4	11 11	3.1 3.9			
	NR	0	eP	22 54.2				50 50	2.0 2.0			
	OSK	0	eP	22 55.2				123 85 26	3.3 3.3 2.5	eX	3.1.8	
	KOB	0	eX	22 56.5								
	SIG	0	P	22 59.6	−1 −1 +1							
	WKYM	0	eX	23 01.1				15 8	1.0 1.0			
	SMT	0	P	23 01.2	(+)	eS	1 35.4	14 9 8	5.4 4.0 4.6	eX	11.7	
	SMSK	0	eP	23 04.2		eS	1 40.8	16 18 5	3.3 4.0 2.1			
	OKYM	0	P	23 06.9	(−) (−) (+)	eS	1 42.1	6 7 8	3.2 3.5 4.0			

Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	pha.	p~pha. m s	Max. Amplitude Amp.(μ) N	E	Z	period(sec) N	E	Z	pha.	p~pha. m s	Remarks
	TKMT	0	eP	06 23 09.0				eS	1 49.2	7	6	2	5.2	4.5	1.2			
	TKSM	0	eP	23 10.4				eS	1 41.6									
	MRTM	0	iP	23 21.1			(−)	eX	1 02.6	12	10	5	3.8	5.8	4.0	iX	1 47.0	
	HMD	0	P	23 22.2		+1	−1	S	1 55.4	6	4	4	4.0	2.8	5.6			
	MTYM	0	eP	23 23.7				eS	2 3.0	7	3	2	3.7	4.1	3.4			
	SMZ	0	eP	23 32.0				eS	2 10.0	5	6	3	4.2	3.5	3.8			
25	WKYM	I	iP	11 57 39.0				iS	0.6	4.0	3.9		0.1	0.1				
26	OSK	0	eX	03 43 50.—						17	11	5	4.0	3.9	4.0			
27	OSK	0	eX	07 52 45.—						7	5		3.6	3.3				
27	OSK	0	eX	10 09 47.—						8	9		3.5	3.5				
27	NGY	0	eP	14 47 24.7				S	1 01.9	2	5		2.0	3.0				
28	OSK	0	eX	05 45 50.3						4	5		0.7	0.7				東海道はるか沖 For off Tokaido
	HKN	0	eX	45 53.5						9	10		1.0	0.8				
	SMSK	0	eP	45 58.7				iS	31.6	13	15	5	0.2	0.2	0.2			
	NGY	0	eP	46 07.0				S	36.2	5	5	2	0.8	1.0	1.2			32°15′N 138°45′E 60 km
	NR	0	eP	46 10.6				eS	36.6									
	SMT	0	P	46 16.8	(+)	(+)	(+)	S	40.8	7	5	1	0.3	0.3	0.5			
28	NGY	0	eP	16 01 49.0				eS	1 24.6									
28	KYT	I	eP	18 46 38.2				eS	5.7	6	12	1	0.0	0.0	0.0			
	MIZR	I	iP	46 40.0														
	TYOK	0	iS	46 47.8						14	12		1.1	0.4				
29	WKYM	I	iP	05 15 44.4				iS	1.7	144	100		0.1	0.1				
	SMT	I	iP	15 48.3	−3	+3	−4	iS	3.5	15	8	2	0.2	0.2	0.3			
	TYOK	0	X	16 25.1						8	9		1.5	1.1				
29	TKSM	0	eP	06 34 15.8				iS	1.5									
29	UWJM	I	iP	09 19 56.3	−2		−2	iS	8.9									日向灘 Hyuga-nada
	SMZ	0	eP	19 57.9				S	9.0	8	10	5	0.4	0.5	0.4			

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Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion(μ) N	E	Z	pha.	p~pha. m s	Max.Amplitude Amp.(μ) N	E	Z	period(sec) N	E	Z	pha.	p~pha. m s	Remarks
29	HKN	0	eP	10 00 27.7				S	5.6	9	10	3	0.6	0.6	0.4			
	KYT	0	eP	00 40.0				eS	1.0	4	5	1	0.0	0.0	0.0			
30	TTR	II	iP	10 29 12.5	−4		−20	iS	1.0									

Report of Earthquakes -
- Station Without Seismograph.

Nov. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake Sound
11	Miyama	美山	Kyōto	I	02^h m	
18	Ikehara	池原	Nara	II	12 06	
20	Ichiba	市場	Shiga	II	18 13	heard
28	Miyama	美山	Kyōto	II	18 46	
29	Sukumo	宿毛	Kōchi	I	09 20	
29	Shimowachi	下和知	Kyōto	III	17 50	heard

International Seismological Centre

International Seismological Centre

Number of earthquakes

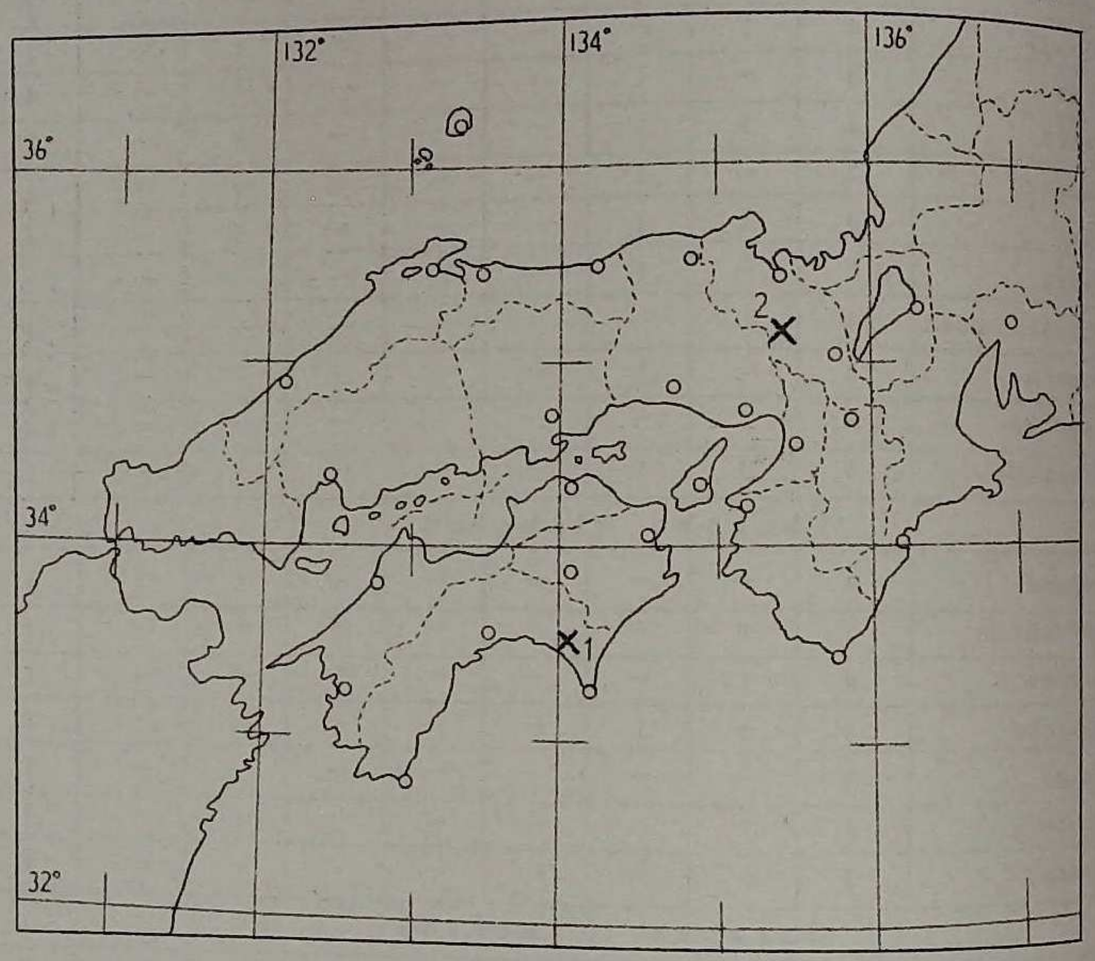
Dec. 1968

Station \ S.I.	0	I	II	III	IV	V	VI	VII	Total
Kinki District									
Hikone	9	—	—	—	—	—	—	—	9
Himeji	0	1	—	—	—	—	—	—	1
Kōbe	3	—	1	—	—	—	—	—	4
Kyōto	4	2	1	—	—	—	—	—	7
Maizuru	3	—	2	—	—	—	—	—	5
Nara	2	1	1	—	—	—	—	—	4
Ōsaka	12	—	1	—	—	—	—	—	13
Shionomisaki	1	1	—	—	—	—	—	—	2
Sumoto	3	—	1	—	—	—	—	—	4
Toyooka	12	1	—	—	—	—	—	—	13
Wakayama	3	3	1	—	—	—	—	—	7
Chūgoku District									
Hamada	4	—	—	—	—	—	—	—	4
Hiroshima	3	1	—	—	—	—	—	—	4
Matsue	0	1	—	—	—	—	—	—	1
Okayama	4	—	1	—	—	—	—	—	5
Saigō	4	—	—	—	—	—	—	—	4
Tottori	1	1	—	—	—	—	—	—	2
Yonago	3	—	—	—	—	—	—	—	3
Shikoku District									
Kōchi	3	—	—	1	—	—	—	—	4
Matsuyama	6	2	—	—	—	—	—	—	8
Murotomisaki	5	—	1	—	—	—	—	—	6
Shimizu	4	—	—	—	—	—	—	—	4
Takamatsu	2	—	1	—	—	—	—	—	3
Tokushima	1	—	1	—	—	—	—	—	2
Tsurugisan	0	—	1	—	—	—	—	—	1
Uwajima	1	2	1	—	—	—	—	—	4

Remarks: Data containd in this report are ones whose maximum double amplitude exceeds 1mm on the record of electromagnetic, wiechert's and Portable seismograph.

Epicenter of the major felt earthquakes, in west Honshu and Shikoku.

December. 1968



No	Data	Origin Time (J.S.T.)	Epicenter Location	Lat.	Long.	Depth	Max S.I.
1	11	20h 45m	高知県東部 E Part of Kochi Pref.	33°30′N	134°6′E	50 km	III
2	19	06 50	京都府中部 Middle of Kyoto Pref.	35°12′	135°19′	10	III

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Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N E Z	pha.	p-pha. m s	Max. Amplitude Amp. (μ) N E Z	period (sec) N E Z	pha.	p-pha. m s	Remarks
1	NGY	0	P	05 42 532		iS	208	6 6 2	22 12 14			
2	WKYM	0	i P	05 21 453		iS	12	35 18	01 01			
2	TYOK	0	P	06 51 324				7 11 3	08 08 05			
2	WKYM	0	P	16 58 023		S	02	23 30	01 01			
4	HKN	0	e P	22 25 155		iS	271	14 11 4	09 10 10			
	TYOK	0	eP	25 315		S	411	9 3	11 10			
4	NGY	0	P	22 55 088		iS	226	11 11 5	10 10 10			
7	MTYM	0	eP	13 18 306		iS	110	9 11 3	08 08 05			
7	SMSK	0	eP	14 05 095		eS	5 584	5 10	96 92			New Guinea S 3°24′ E 145°54′ 15 km
	SMZ	0	eP	05 114				6 5	84 50	eX	1364	
	MRTM	0	iP	05 115						eX	1236	
	TKYS	0	eP	05 222		eS	6 1—			eX	134—	
	OSK	0	eX	05 23—				17 9 4	36 50 52			
	HRSM	0	eP	05 241		eS	6 82	3 7 2	146 145 140			
	TYOK	0	P	05 273		S	6 11.9	6 5 4	85 97 36			
	HMD	0	eP	05 293		eS	6 133	5 3 5	72 38 130	eX	9177	
9	NGY	0	P	01 43 428	− 2	iS	220	43 34 18	24 12 12			神奈川県西部 W port of Kanagawa pref. 35°28′ 138°57′ 0 km
	HKN	0	eP	43 509		eS	343	31 24 14	10 11 13			
	KYT	0	eP	43 571		S	344	10 7 3	18 16 32			
	NR	0	eP	43 581								
	OWS	0	iP	44 022	(+) (+) (−)	iS	344	5 3	09 07			
	OSK	0	eX	44 07—		S	38—	29 18 12	20 22 20			
	TYOK	0	eP	44 068		S	415	36 32	12 12			
9	YNG	X	iP	08 34 444	+ 4 − 2 + 2	iS	17					
9	UWJM	I	eP	15 20 050		iS	54					
	MTYM	0	eP	20 121		iS	97	13 21 5	06 07 05			
10	UWJM	I	P	18 55 494		iS	50					

Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	pha.	p-pha. m s	Max. Amplitude Amp. (μ) N	E	Z	period (sec.) N	E	Z	pha.	p-pha. m s	Remarks
11	KOCH	0	eX	14 41 508														
11	MRTM	Ⅲ	iP	20 45 395	+292	−140	−324	S	070	347	377	343	2.4	2.0	2.0			高知県東部 E part of Koch pref. {33°30′ 134°6′ 50 km
	KOCH	Ⅲ	iP	45 418	− 7	− 15	+ 10	iS	064	1700	1950	1100	0.6	0.8	1.5			
	TRG	Ⅲ	iP	45 438		−		iS	065	1950	680	2000	0.8	0.8	1.1			
	TKMT	Ⅲ	iP	45 459	−343	− 2	(−)	iS	085	900	700	375	2.1	1.5	1.5			
	TKSM	Ⅲ	iP	45 459	−188	−210	−122	iS	085	3800	4450	1050	0.2	0.2	0.2			
	SMT	Ⅱ	iP	45 505	− 19	− 21	− 26	S	111	365	237	146	1.0	2.4	4.7			
	MTYM	Ⅰ	iP	45 509	+ 1	− 5	+ 4	iS	118	261	219	99	1.4	1.4	2.1			
	OKYM	Ⅱ	iP	45 510	− 22	+ 3	− 10	iS	100	500	700	200	0.5	0.5	2.1			
	WKYM	Ⅱ	P	45 511	− 11	− 30		iS	124	869	576		0.2	0.2				
	UWJM	Ⅱ	eP	45 53−				eS	16−									
	SMZ	0	iP	45 533	+ 7	+ 6	− 12			232	178	60	1.2	1.5	1.4	X	111	
	HMJ	Ⅰ	iP	45 537	− 9	− 2	− 7	iS	119									
	SMSK	Ⅰ	P	45 543	− 1	+ 4	+ 6	iS	172	184	152	71	0.9	0.9	1.2			
	KOB	Ⅱ	P	45 554			− 4			400	500	250	1.4	1.4	1.4	iX	177	
	HRSM	Ⅰ	P	45 577	+ 1	− 3	+ 3	iS	199	120	130	99	3.5	4.0	6.3			
	OSK	Ⅱ	iP	45 581			+ 6	iX	126	650	750	250	1.8	2.4	2.0	X	306	
	OWS	Ⅰ	eP	46 000				eS	146	113		45	3.0		2.2			
	NR	Ⅱ	iP	46 009	− 2	− 2	− 3	eS	140	250	250	100	2.0	2.0	2.0			
	TTR	Ⅰ	iP	46 027	− 7	(−)	− 9	eS	192	100	100	100	1.4	1.0	1.4	iX	123	
	YNG	X	P	46 032	− 9	+ 4	− 10									iX	123	
	KYT	0	iP	46 035	− 1	− 1	− 1	eS	200	102	91	77	2.0	1.8	1.9			
	HMD	X	P	46 050	− 2	+ 1	− 1	S	254	125	111	96	3.8	4.8	1.8			
	MTE	Ⅰ	iP	46 053	− 7	+ 2	− 15	S	227									
	TYOK	Ⅰ	P	46 056	− 19	− 5	− 6			1900	700	67	1.0	1.2				
	MIZR	0	eP	46 065	− 40	(−)	(−)	S	242									
	HKN	0	P	46 104				iS	275	307	212	71	1.3	1.3	1.7			

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Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	pha.	p-pha. m s	Max. Amplitude Amp. (μ) N	E	Z	period (sec.) N	E	Z	pha.	p-pha. m s	Remarks
	SIG	0	iP	46 138	− 1	+ 1	− 1											
	NGY	0	P	46 171				S	322	132	193	73	2.4	1.2	1.0			
12	MTYM	Ⅰ	iP	12 19 135	− 3	+ 3	+10	iS	75	18	21	7	0.5	0.7	0.4			
	UWJM	0	eP	19 150				iS	90									
12	WKYM	Ⅰ	iP	17 26 319				iS	01	72	35		0.1	0.1				
13	KYT	Ⅰ	P	13 52 010				iS	30	24	16	5	0.0	0.0	0.0			京都府中部 Middle of Kyoto pref {34°58′N 135°25′E 0 km
	KOB	0	eX	52 026														
	OSK	0	iP	52 030			− 5	iS	55	6	15	4	0.2	0.2	0.2			
	NR	Ⅰ	eP	52 040				iS	66									
	MIZR	0	iS	52 109														
	TYOK	0	eP	52 106				S	102	17	11		1.0	1.0				
	OKYM	0	P	52 190				iS	180	4	6	1	0.6	0.3	0.4			
14	SMZ	0	eP	13 58 476				eS	461	12	6	11	2.2	2.0	2.1			屋久島付近 Near yakushima {29°54′N 130°56′E 60 km
	MRTM	0	P	58 498						6	5		3.5	3.2		eX	404	
	MTYM	0	eP	58 525				eS	510	16	18	13	2.1	2.1	2.1			
	TKSM	0	eP	59 023				eS	1 037									
	HMD	0	eP	59 030				eS	1 041	10	6	12	2.3	2.5	2.1			
	OKYM	0	eP	59 035				eS	1 145	7	8	8	3.0	3.0	2.9			
	HRSM	0	eP	59 062				S	538	9	16	11	2.5	3.9	4.0			
	SMT	0	P	59 080	(+)	(+)	(+)	eS	1 098	10	9	8	4.4	2.8	3.1			
	TKMT	0	P	59 124				eS	1 084	11	11	2	2.1	2.7	1.0			
	SIG	0	eP	59 282				S	1 203									
	HKN	0	eP	59 292						14	5		2.3	2.1				
	NGY	0	eP	59 332		− 2	− 2	eS	1 374	9	7		3.0	2.6				
	OSK	0	eX	59 465						38	28	9	3.2	3.0	2.5	eX	1 063	
	KOCH	0	eX	59 582														
	TYOK	0	X	14 00 561						14	16	5	1.1	1.4	3.3			

Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	pha.	p-pha. m s	Max.Amplitude Amp. (μ) N	E	Z	period (sec) N	E	Z	pha.	p-pha. m s	Remarks
14	HMD	0	eP	20 07 30.0				S	16	8	2	6	0.3	0.2	0.2			
16	MIZR	0	iP	08 18 04.8				iS	47									
	TYOK	0	iS	18 13.7						10	6	6	1.1	1.0	0.6			
17	KYT	0	eP	05 06 16.5				eS	34	3	6	1	0.0	0.0	0.0			
17	NGY	0	eP	06 24 51.0				S	1 30.5	24	14	7	3.0	2.8	2.6			三陸はるか沖
	HKN	0	eP	24 57.5				eS	1 38.9	14	9		2.2	2.6				Far off Sanriku
	OSK	0	eX	26 54.—						29	22	8	3.6	3.8	2.0			
17	NGY	0	P	21 11 07.2						6	8	6	1.4	2.6	1.8			
	HKN	0	P	11 09.9						9	8	9	1.3	1.3	1.4	eX	7 07.1	Southern Alaska
	TYOK	0	eP	11 12.7	(+)	(+)	(−)			23	10	8	1.2	1.2	2.0			
	KYT	0	iP	11 13.0	(+)	(+)	−1	eS	7 13.5	4	3	5	1.6	1.5	1.8			N 60°1 W 152°4 86 km
	SIG	0	iP	11 15.0	(+)	+1	−1											
	TKYS	0	P	11 15.2	+1	+1	−2	S	7 16.3									
	OSK	0	P	11 15.8			−4	eS	7 16.—	13	11	10	3.8	3.3	2.2			
	MRT	0	P	11 29.1								5			5.0	eX	6 27.9	
18	NGY	0	eP	07 18 22.8				eS	1 24.4	6	4	2	2.6	2.8	2.6			
	OSK	0	eX	20 30.0						6	5		3.5	3.4				
19	KOB	0	iP	02 35 59.0				iS	31									
19	MIZR	II	iP	06 50 35.2				iS	31									
	KYT	II	eP	50 37.1				iS	57	50	45	15	0.0	0.0	0.0			京都府中部 Middle of Kyoto pref.
	KOB	0	eP	50 40.2				iS	77									
	HKN	0	P	50 43.4				iS	93	45	20	12	0.8	0.7	0.4			
	NR	0	eP	50 43.4				iS	90									
	SMT	0	P	50 45.9	+1	+1	−1	S	13.6	7	8	3	1.5	0.4	1.1			35°1 135°1 10 km
	TYOK	0	iS	50 46.1						63	43	15	1.0	1.0	0.6			
	OSK	0	eS	50 48.1						15	15		1.0	1.0				
	TTR	0	P	50 48.5				iS	12.9									

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Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion (μ) N	E	Z	pha.	p-pha. m s	Max. Amplitude Amp. (μ) N	E	Z	period (sec) N	E	Z	pha.	p-pha. m s	Remarks
	OKYM	0	P	50 52.3	+1	+1	(−)	iS	17.5	15	15	15	0.5	0.3	1.4			
	TKMT	0	eP	50 54.4				iS	18.3	13	10	6	1.1	1.1	0.8			
	NGY	0	iP	50 55.0		−3	−4	iS	16.8	8	13	5	0.6	0.6	0.4			
	WKYM	0	eX	50 57.0						25	18		0.3	0.3				
	YNG	0	eP	50 59.9				S	21.1									
	SIG	0	eP	51 05.0				S	23.1									
20	OSK	0	eX	00 21 26.—						12	8		3.4	2.5		iX	1 01.—	
20	MIZR	II	iP	13 11 03.8				iS	02.6									
	KYT	I	eP	11 06.4				eS	05.6	5	7	5	0.0	0.0	0.0			京都府中部 Middle of Kyoto pref.
	TYOK	0	P	11 08.7				S	06.4	16	10		1.1	1.0				35°12′N 135°17′E 0 km
	HKN	0	iS	11 22.2						8	11		0.4	0.4				
21	NGY	0	eP	22 00 09.0				eS	1 26.2	9	7	3	2.8	3.0	2.6			
	OSK	0	eX	02 27.—						10	5		4.6	5.0				
23	HRSM	X	iP	07 46 11.1	−1		−3	iS	06.2	20	50	23	1.0	0.2	3.5			
	MTYM	0	eP	46 11.2	(+)	(−)	(−)	iS	06.3	34	32	11	0.6	0.6	0.4			
23	WKYM	I	iP	10 59 40.1				iS	00.4	133	100		0.2	0.2				
	SMT	0	P	59 42.6	+1	+	−1	S	03.2	6	4	1	0.3	0.3	0.5			
25	MTYM	0	eP	10 19 52.0				iS	09.5	8	8	4	0.6	0.6	0.4			
25	NGY	0	eP	12 58 38.6				eS	1 33.6	19	14	7	2.8	3.2	2.6			
	HKN	0	eP	58 40.7						10	9	5	1.6	1.3	2.0			浦河沖 Off Urakawa
	TYOK	0	P	58 48.9		(+)	(−)			15	9		1.2	1.4				
	OSK	0	eP	58 51.0						26	30	10	3.0	3.8	4.0	eX	2 42.—	41°40′N 142°54′E 30 km
	MRTM	0	P	59 15.0						5			4.0			eX	3 23.0	
25	KOCH	0	iP	20 51 30.7		+8	−4	iS	03.7									
	MRTM	0	iP	51 34.8			−1	iS	05.7	11	5		0.6	0.4				高知県東部 E part of Kochi pref.
	MTYM	0	eP	51 44.9				eS	11.3	7	10	4	0.7	0.7	0.5			33°32′N 133°49′E 10 km
	OKYM	0	P	51 47.9	(−)		(−)	S	14.5	7	12	1	0.5	0.7	0.5			

Date	Station	S.I.	pha.	Time (J.S.T.) h m s	Initial Motion(μ) N E Z	pha.	p~pha. m s	Max. Amplitude Amp.(μ) N E Z	period(sec.) N E Z	pha.	p~pha. m s	Remark
	TYOK	0	X	52 35				10 9	11 12			
29	OSK	0	eP	16 21 131				11 6	40 38			
30	SMZ	0	eP	16 20 444				6 3 3	70 64 36	eX	4 116	
31	WKYM	I	iP	01 17 103		iS	03	197 87	01 01			

International Seismological Centre

Report of Earthquakes –

– Station Without Seismograph.

Dec. 1968

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
11	Tano	田 野	Kōchi	Ⅲ	20^h 45^m	
	Ōshino	大 篠	〃	Ⅲ	45	
	None	野 根	〃	Ⅲ	45	
	Kamiyanaze	上魚梁瀬	〃	Ⅲ	45	
	Tadotsu	多 度 津	Kagawa	Ⅲ	46	
	Miyai	美 合	〃	Ⅲ	46	
	Kurashiki	倉 敷	Okayama	Ⅲ	46	
	Hiraishi	平 石	Kōchi	Ⅱ	46	
	Hongawa	本 川	〃	Ⅱ	45	
	Nishitoyonaga	西 豊 永	〃	Ⅱ	45	
	Nagashima	長 島	Okayama	Ⅱ	46	
	Tamano	玉 野	〃	Ⅱ	46	
	Yakage	矢 掛	〃	Ⅱ	46	
	Ōtake	大 竹	Hiroshima	Ⅱ	45	
	Takehara	竹 原	〃	Ⅱ	45	
	Toyosaka	豊 栄	〃	Ⅱ	45	
	Kannabe	神 辺	〃	Ⅱ	45	
	Kake	加 計	〃	Ⅱ	46	
	Chiyoda	千 代 田	〃	Ⅱ	46	
	Shiraki	白 木	〃	Ⅱ	46	

Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
	Innoshima	因島	Hiroshima	II	20^h 46^m	
	Matsunaga	松永	〃	II	46	
	Fukuyama	福山	〃	II	47	
	Kiyokawa	清川	Wakayama	II	45	
	Shirahama	白浜	〃	II	45	
	Kibi	吉備	〃	II	45	
	Hiki	日置	〃	II	46	
	Rokutanji	六湛寺	Hyōgo	II	45	
	Sakai	境	Tottori	II	47	
	Kaminogō	上之郷	Ōsaka	II	45	
	Tawaramoto	田原本	Nara	II	46	
	Kaminagata	上長田	Okayama	I	46	
	Shōbara	庄原	Hiroshima	I	44	
	Saeki	佐伯	〃	I	45	
	Ōasa	大朝	〃	I	46	
	Kure	呉	〃	I	46	
	Kurose	黒瀬	〃	I	46	
	Yoshida	吉田	〃	I	47	
	Ikehara	池原	Nara	I	46	
	Sonobe	園部	Kyōto	I	45	
	Aburahi	油日	Shiga	I	45	
12	Tojima	富島	Hyōgo	III	20 40	
13	Sonobe	園部	Kyōto	II	13 53	
	Shimowachi	下和知	〃	II	52	

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Date	Station		Prefecture	S.I.	Time (J.S.T)	Earthquake sound
19	Shimowachi	下和知	Kyōto	I	~	
19	〃	〃	Kyōto	III	06 52	
	Sonobe	園部	〃	II	51	
	Miyama	〃	〃	II	50	heard
	Fukuchiyama	福知山	〃	II	50	
	Ichiba	市場	Shiga	II	50	heard
	Nishiwaki	西脇	Hyōgo	II	50	
	Aburahi	油日	Shiga	I	51	
20	Fukuchiyama	福知山	Kyōto	II	13 11	
	Sonobe	園部	〃	I	11	
	Shimowachi	下和知	〃	I	12	heard

International Seismological Centre

昭和43年(1968)官署別地震回数

Number of earthquakes

Remarks

Vi: Electromagnetic seismometer with visible recorder (T_0 =5 sec V=100)

Op: Electromagnetic seismometer with optical recorder (T_0 =1.5 sec V=500 or 1000)

W: Wiechert's seismograph (T_0 ≒5 sec V≒80)

S: Storong motion seismograph (T_0 =6 sec V=1)

P: Portable seismograph (3comp.) (T_0 =2 sec V=60)

PH: Portable seismograph horizontal only (T_0 =3−4 sec V=40)

I: Ishimoto's seismograph (T_0 =1 sec V=300)

SI: Scale of seismic intensity by J.M.A (0~Ⅶ)

Vd: Rewote recording JMA61A-type seismometer (T_0 =10 sec V=200)

Station

Hikone (W, S)

S.I. \ Month	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
I	—	—	—	—	—	—	—	3	—	—	1	—
II	—	—	—	1	—	—	—	1	—	—	—	—
III	—	—	—	—	1	—	1	—	—	—	—	—
IV	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	—	—	1	1	—	1	4	—	—	1	—
0	18	19	16	10	43	34	13	23	23	16	12	9
Total	18	19	16	11	44	34	14	27	23	16	13	9

Himeji (P, S)

I	—	1	—	1	—	—	—	1	—	—	—	1
II	—	—	—	—	—	—	—	1	—	—	—	—
III	—	—	—	—	—	—	—	—	—	—	—	—
IV	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	1	—	1	—	—	—	2	—	—	—	1
0	4	5	3	1	7	1	2	5	2	1	—	
Total	4	6	3	2	7	1	2	7	2	1	—	1

Kobe (P, S)

I	—	1	1	—	1	—	—	2	1	—	—	—
II	—	—	—	—	—	—	—	3	—	—	—	1
III	—	—	—	1	—	—	—	—	—	—	—	—
IV	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	1	1	1	1	—	—	5	1	—	—	1
0	6	7	8	4	16	8	6	16	8	7	3	3
Total	6	8	9	5	17	8	6	21	9	7	3	4

International Seismological Centre

Kyoto (V_i, O_p, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
I	—	2	—	—	—	4	—	2	7	2	2	2	21
II	—	1	—	—	—	—	—	4	2	1	—	1	9
III	1	—	—	—	—	—	—	2	—	—	—	—	3
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	3	—	—	—	4	—	8	9	3	2	3	33
0	12	23	11	(1)	(1)	22	9	46	28	12	12	7	184
Total	13	26	11	(1)	(1)	26	9	54	37	15	14	10	217

Maizuru (P, S)

I	1	—	—	2	—	—	—	12	3	—	2	—	20
II	—	1	—	1	—	—	—	5	6	—	—	2	15
III	—	1	—	—	—	—	—	1	1	3	—	—	6
IV	—	—	—	—	—	—	—	1	—	—	—	—	1
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	2	—	3	—	—	—	19	10	3	2	2	42
0	3	6	3	1	4	1	3	27	8	8	1	3	68
Total	4	8	3	4	4	1	3	46	18	11	3	5	110

Osaka (V_i, V_d, S)

I	—	1	1	—	—	—	—	1	—	—	—	—	3
II	1	—	—	—	—	—	—	1	—	—	—	1	3
III	—	—	—	1	1	—	—	2	—	—	—	—	4
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	1	1	1	1	—	—	4	—	—	—	1	10
0	15	23	23	16	101	84	35	33	27	20	22	12	411
Total	16	24	24	17	102	84	35	37	27	20	22	13	421

Nara (P, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
I	—	—	1	1	1	—	1	2	2	1	—	[illegible]
II	—	1	—	1	1	—	—	1	—	—	—	[illegible]
III	1	—	—	—	—	—	—	2	—	—	—	[illegible]
IV	—	—	—	—	—	—	—	—	—	—	—	[illegible]
V~VII	—	—	—	—	—	—	—	—	—	—	—	[illegible]
Total (felt)	1	1	1	2	2	—	1	5	2	1	—	[illegible]
0	8	11	8	4	17	14	8	19	11	9	3	[illegible]
Total	9	12	9	6	19	14	9	24	13	10	3	[illegible]

Shionomisaki (W, S)

I	—	1	—	—	1	—	1	1	—	—	1	[illegible]
II	—	—	—	—	2	—	—	—	—	—	—	[illegible]
III	—	—	—	—	—	—	—	1	—	—	—	[illegible]
IV	—	—	—	—	—	—	—	—	—	—	—	[illegible]
V~VII	—	—	—	—	—	—	—	—	—	—	—	[illegible]
Total (felt)	—	1	—	—	3	—	1	2	—	—	1	[illegible]
0	8	16	7	7	29	19	8	18	8	9	5	[illegible]
Total	8	17	7	7	32	19	9	20	8	9	6	[illegible]

Sumoto (V_i, O_p, S)

I	—	1	1	1	2	—	—	2	2	1	1	[illegible]
II	—	—	1	1	1	1	—	1	—	—	—	[illegible]
III	—	—	—	—	—	—	—	—	—	—	—	[illegible]
IV	—	—	—	—	—	—	—	—	—	—	—	[illegible]
V~VII	—	—	—	—	—	—	—	—	—	—	—	[illegible]
Total (felt)	—	1	2	2	3	1	—	3	2	1	1	[illegible]
0	11	18	12	6	35	25	12	32	16	16	10	[illegible]
Total	11	19	14	8	38	26	12	35	18	17	11	[illegible]

International Seismological Centre

Toyooka (W, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
I	—	—	—	—	—	—	1	5	1	—	—	1	8
II	—	1	—	1	—	—	—	1	—	—	—	—	3
III	—	—	—	—	—	—	—	—	—	—	—	—	—
IV	—	—	—	1	—	—	—	—	—	—	—	—	1
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	1	—	2	—	—	1	6	1	—	—	1	12
0	14	21	15	7	40	34	12	48	30	18	13	12	264
Total	14	22	15	9	40	34	13	54	31	18	13	13	276

Wakayama (W, I, S)

I	3	1	9	7	4	6	3	6	4	3	4	3	53
II	—	1	2	2	2	4	1	2	2	—	—	1	17
III	—	—	—	—	—	—	—	—	—	—	—	—	—
IV	—	—	1	—	—	—	—	—	—	—	—	—	1
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	3	2	12	9	6	10	4	8	6	3	4	4	71
0	11	18	12	5	20	13	11	17	6	5	6	3	127
Total	14	20	24	14	26	23	15	25	12	8	10	7	198

Hamada (V_i, O_p, S)

I	—	—	1	1	1	—	—	—	—	—	—	—	3
II	—	—	—	—	—	—	—	—	—	—	—	—	—
III	—	—	—	1	—	—	—	1	—	—	—	—	2
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	—	1	2	1	—	—	1	—	—	—	—	5
0	6	12	4	5	27	6	6	15	6	8	7	4	106
Total	6	12	5	7	28	6	6	16	6	8	7	4	111

Hiroshima (W, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
I	—	—	—	1	1	—	—	4	—	—	—	1
II	1	—	—	—	—	—	—	1	—	1	—	—
III	—	—	—	1	—	—	—	1	—	—	—	—
IV	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	—	—	2	1	—	—	6	—	1	—	1
0	4	12	6	4	20	6	5	22	8	8	3	3
Total	5	12	6	6	21	6	5	28	8	9	3	4

Matsue (P, S)

I	—	—	2	1	—	—	—	1	—	—	—	1
II	—	—	—	—	—	—	—	—	—	—	—	—
III	—	—	—	1	—	—	—	1	—	—	—	—
IV	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	—	2	2	—	—	—	2	—	—	—	1
0	2	5	4	2	6	1	3	9	3	2	2	—
Total	2	5	6	4	6	1	3	11	3	2	2	1

Okayama (V_i, O_p, S)

I	—	—	—	1	2	—	—	3	—	3	—	—
II	—	1	—	—	—	—	—	1	—	—	—	1
III	—	—	—	1	—	—	—	—	—	—	—	—
IV	—	—	—	—	—	—	—	1	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	1	—	2	2	—	—	5	—	3	—	1
0	6	18	13	12	28	14	5	34	16	9	4	4
Total	6	19	13	14	30	14	5	39	16	12	4	5

International Seismological Centre

Saigo (V_i, O_p, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
I	—	—	—	—	—	—	—	1	—	—	—	—	1
II	—	—	—	—	—	—	—	—	—	—	—	—	—
III	—	—	—	1	—	—	—	—	—	—	—	—	1
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	—	—	1	—	—	—	1	—	—	—	—	2
0	7	15	2	1	27	10	8	22	12	8	6	4	122
Total	7	15	2	2	27	10	8	23	12	8	6	4	124

Tottri (P, S)

I	—	—	—	—	—	—	—	1	1	—	—	1	3
II	—	—	—	—	1	—	—	3	—	—	1	—	5
III	—	—	—	1	—	—	—	—	—	—	—	—	1
IV	—	—	—	—	—	—	—	—	—	—	—	—	
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	—	—	1	1	—	—	4	1	—	1	1	9
0	4	6	5	1	6	1	3	11	4	4	1	1	47
Total	4	6	5	2	7	1	3	15	5	4	2	2	56

Yonago (P, S)

I	—	—	2	1	—	—	—	1	—	—	—	—	4
II	—	—	—	—	—	—	—	—	—	—	—	—	—
III	—	—	—	1	—	—	—	1	—	—	—	—	2
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	—	2	2	—	—	—	2	—	—	—	—	6
0	4	5	4	1	6	1	3	8	4	2	1	3	42
Total	4	5	6	3	6	1	3	10	4	2	1	3	48

Kochi (P, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.
I	1	—	—	2	—	—	—	4	—	—	—	—
II	—	—	—	—	1	—	—	—	—	1	—	—
III	—	—	—	—	—	—	—	1	—	—	—	1
IV	—	—	—	1	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	—	—	3	1	—	—	5	—	1	—	1
0	3	7	5	4	7	4	3	20	7	1	1	3
Total	4	7	5	7	8	4	3	25	7	2	1	4

Matsuyama (W, S)

I	—	—	—	1	—	1	—	8	1	—	—	2
II	1	—	—	1	—	—	—	1	—	1	—	—
III	—	—	—	—	—	—	—	1	—	—	—	—
IV	—	—	—	1	—	—	—	1	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	—	—	3	—	1	—	11	1	1	—	2
0	6	15	7	4	21	9	7	42	12	8	6	6
Total	7	15	7	7	21	10	7	53	13	9	6	8

Murotomisaki (V_i, O_p, S)

I	—	—	—	—	—	—	—	—	—	—	—	—
II	—	—	—	—	—	—	—	—	—	—	—	—
III	—	—	—	1	—	—	—	1	—	—	—	1
IV	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	—	—	1	—	—	—	1	—	—	—	1
0	9	21	10	13	36	18	7	23	9	12	7	5
Total	9	21	10	14	36	18	7	24	9	12	7	6

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Shimizu (V_i, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
I	—	1	—	1	1	—	—	—	—	—	—	—	3
II	—	—	—	1	—	—	—	1	—	—	—	—	2
III	—	—	—	2	—	—	—	—	—	—	—	—	2
IV	—	—	—	1	—	—	—	1	—	—	—	—	2
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	1	—	5	1	—	—	2	—	—	—	—	9
0	8	13	7	19	27	10	7	31	12	11	9	4	158
Total	8	14	7	24	28	10	7	33	12	11	9	4	167

Takamatsu (W, S)

I	1	1	—	1	—	—	—	2	—	—	—	—	5
II	—	—	—	—	—	—	—	1	—	—	—	—	1
III	—	—	—	1	—	—	—	1	—	—	—	1	3
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	1	—	2	—	—	—	4	—	—	—	1	9
0	4	10	11	7	22	11	5	27	11	10	4	2	124
Total	5	11	11	9	22	11	5	31	11	10	4	3	133

Tokushima (P, S)

I	—	2	—	1	3	—	—	1	—	—	—	—	7
II	—	—	1	—	1	—	—	1	—	1	—	—	4
III	—	—	—	1	—	—	—	1	—	—	—	1	3
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	—	2	1	2	4	—	—	3	—	1	—	1	14
0	5	9	7	4	11	8	7	18	6	7	5	1	88
Total	5	11	8	6	15	8	7	21	6	8	5	2	102

Tsurugisan (P_H, S)

S. I. \ Month	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
I	1	—	1	1	—	—	—	1	1	—	—	—	5
II	—	—	—	—	—	—	—	—	—	—	—	—	—
III	—	—	—	1	—	—	—	1	—	—	—	1	3
IV	—	—	—	—	—	—	—	—	—	—	—	—	—
V~VII	—	—	—	—	—	—	—	—	—	—	—	—	—
Total (felt)	1	—	1	2	—	—	—	2	1	—	—	1	8
0	3	7	2	1	8	5	5	7	3	3	2	—	46
Total	4	7	3	3	8	5	5	9	4	3	2	1	54

Uwajima (P, S)

I	1	2	2	2	2	2	—	39	5	2	3	2	62
II	—	—	—	—	1	—	—	15	2	1	—	1	20
III	1	—	—	1	—	—	—	5	1	—	—	—	8
IV	—	—	—	1	—	—	—	—	—	—	—	—	1
V~VII	—	—	—	—	—	—	—	1	—	—	—	—	1
Total (felt)	2	2	2	4	3	2	—	60	8	3	3	3	92
0	2	4	3	1	9	2	2	90	5	2	2	1	123
Total	4	6	5	5	12	4	2	150	13	5	5	4	215

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