

# 中国地震台网观测报告

BULLETIN OF SEISMOLOGICAL  
OBSERVATIONS OF CHINESE STATIONS

1988

(1—6月)



国家地震局地球物理研究所编

地震出版社出版



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# 前 言

1. “中国地震台网观测报告”是我国地震台网对发生在全世界、特别是发生在中国和邻近地区的地震观测数据的汇编。自1979年起,本报告采用协调世界时(UTC)。为方便中国读者在目录部分也给出北京时。采用汉语拼音拼写中国地名和人名,外国地名和人名沿用英文。

2. 本报告列出的震源参数是用 VAX / 780 计算机进行计算修定的。使用的走时表是 J-B 表<sup>[1]</sup>。使用的震相数据除报告中列出的 24 个一类台以外,还有许多国内台和部分国外台的数据。到时残差、总体标准误差和震源参数的标准误差都分别列出。震中位置,除给出经纬度外,还按 Flinn、Engdahl 和 Hill<sup>[2,3]</sup>划定的地震分区给出了大致的地理位置。应该强调指出,所有地震的地理区域名称仅作位置的参考,不包含任何政治意义。

3. 面波震级  $M_s$  的测定,从 1966 到 1982 年的地震报告都采用北京台 1965 年的面波震级公式:

$$M_s = \log(A / T) + \sigma_{PEK}(\Delta)$$

$$\sigma_{PEK}(\Delta) = 1.66 \log(\Delta) + 3.5 \quad (1^\circ < \Delta < 130^\circ)$$

$\sigma_{PEK}(\Delta)$  比 1967 年 IASPEI(国际地震学与地球内部物理学联合会)推荐的,现已被国际上广泛采用的量规函数

$$\sigma_{IASPEI}(\Delta) = 1.66 \log(\Delta) + 3.3 \quad (20^\circ < \Delta < 160^\circ)$$

在  $\Delta = 20^\circ - 130^\circ$  的范围内偏高 0.2 级。世界上两个最有权威的地震机构:国际地震中心(ISC,它使用全球台网资料)和美国地震情报中心(NEIC,它使用世界标准台网资料)都采用  $\sigma_{IASPEI}(\Delta)$  测定面波震级  $M_s$ ,故此我国测定的  $M_s$  比国际上系统地偏高 0.2 级。此外,量规函数  $\sigma_{PEK}(\Delta)$  代表的面波衰减  $\Delta^{-1.66}$  在近距离处( $\Delta = 1^\circ - 20^\circ$ )过大,使得近距离测得的  $M_s$  偏小,尽管如此,为使资料连续,仍给出用它测定的震级。

4. 体波震级  $m_B$  和  $m_b$  采用古登堡—里克特公式测定:

$$m_B \text{ 或 } m_b = \log(A / T) + Q(\Delta, h)$$

$m_B$  是用宽频带中周期 SK 仪或长周期 763 仪测定, $m_b$  是用短周期地震仪测定。

5. 为便于使用和对比,报告中还给出了 NEIC 测定的面波震级  $M_{sz}$  和短周期地震仪测定的体波震级  $m_b$ 。

6. 为避免混乱,各种震级之间一律不换算。

## 参 考 文 献

[1] Jeffreys, H. and Bullen, K. E., 1940. Seismological tables, British Association, London (Reprinted, with additions, 1967).

[2] Flinn, E. A. and Engdahl, E. R., 1965. A proposed basis for geographical and seismic regionalization, Rev. Geophys., 3, 123-149.

[3] Flinn, E. A. Engdahl, E. R. and Hill, A. R., 1974. Seismic and geographical regionalization, Bull. Seism. Soc. Am., 64, 771-992.

[4] Willmore, P. L., 1979. Manual of seismological observatory practice, World Data Center A for Solid Earth Geophysics, Report SE-20.







## Preface

1. The "Bulletin of Seismological Observations of Chinese Stations" is a summary of the observed data of earthquakes occurring all over the globe, especially those in China and its surrounding regions. Beginning from 1979, observational time and origin time are given in UTC. The names of Chinese places and persons are spelt with Chinese phonetic alphabets while foreign names are all given in English.

2. All focal parameters are processed with a VAX / 780 computer. Jeffreys-Bullen travel time tables are used in this Bulletin<sup>[1]</sup>. In addition to the data listed in this Bulletin the observational data used include that of many other stations inside and outside China for computer revision of earthquake parameters. Arrival time residuals, gross standard deviations and standard errors of focal parameters are all listed. The location of every earthquake is expressed by its latitude and longitude, at the same time, is given by the corresponding geographical region proposed by Flinn, Engdahl and Hill<sup>[2,3]</sup>. It should be noted that the names used to classify seismic and geographic regions are only references to their locations and does not imply any political significance.

3. The surface wave magnitude  $M_s$  given in the Bulletin of Seismological Observations of Chinese Stations from 1966 to 1982 have all adopted the calibration function of the Beijing Station (BJI).

$$M_s = \log(A / T) + \sigma_{PEK}(\Delta)$$

$$\sigma_{PEK}(\Delta) = 1.66 \log(\Delta) + 3.5 \quad (1^\circ < \Delta < 130^\circ)$$

This calibration function in the range  $\Delta = 20^\circ - 130^\circ$  is larger by 0.2 than  $\sigma_{IASPEI}(\Delta)$  recommended by IASPEI in 1967 which has already been adopted by many nations and seismological institutions in the world.

$$\sigma_{IASPEI}(\Delta) = 1.66 \log(\Delta) + 3.3 \quad (20^\circ < \Delta < 160^\circ)$$

Both the most authoritative seismological institution in the world: ISC and NEIC have been adopting the  $\sigma_{IASPEI}(\Delta)$  to determine magnitude  $M_s$ . Therefore, the magnitude  $M_s$  calculated by  $\sigma_{PEK}(\Delta)$  is systematically 0.2 units larger than that determined by ISC and NEIC which possess the largest aperture seismic network. The rate of attenuation of surface wave amplitude  $\Delta^{-1.66}$  in the range  $\Delta = 1^\circ - 20^\circ$  characterized by  $\sigma_{PEK}(\Delta)$  is so large that the  $M_s$  measured for smaller epicentral distance is too small. In spite of this, in order to maintain continuity of data, the values of  $M_s$  computed by  $\sigma_{PEK}(\Delta)$  are still given.

4. Body-wave magnitudes  $m_B$  and  $m_b$  are computed by the Gutenberg-Richter formula

$$m_B \text{ or } m_b = \log(A / T) + Q(\Delta, h)$$

$m_B$  being measured by broad-band intermediate (SK) or 763 long period seismographs and  $m_b$  measured by short period ones.

5. For convenience of use and comparison, the surface wave magnitude  $M_{sz}$  (NEIC) and body wave magnitude  $m_b$  (NEIC) measured by NEIC recorded on short period seismograph, are also listed in this Bulletin.

6. In order to avoid confusion, no conversion is made among the various magnitudes.

## References

- [1] Jeffreys, H. and Bullen, K. E., 1940. Seismological tables, British Association, London (Reprinted, with additions, 1967).
- [2] Flinn, E. A. and Engdahl, E. R., 1965. A proposed basis for geographical and seismic regionalization, *Rev. Geophys.*, 3, 123-149.
- [3] Flinn, E. A. Engdahl, E. R. and Hill, A. R., 1974. Seismic and geographical regionalization, *Bull. Seism. Soc. Am.*, 64, 771-992.
- [4] Willmore, P. L., 1979. Manual of seismological observatory practice, World Data Center A for Solid Earth Geophysics, Report SE-20.



# 台 站 目 录

## List of seismological observatories

Station name	Code	Geographic coordinates		Altitude (m)	Foundation	Instruments
		Lat N	Long E			
Baotou	BTO	40° 36' 20"	110° 01' 15"	1114	Granite gneiss	SK,64,763
Beijing	BJI	40 02 25	116 10 30	43	Gravel soil	SK,62,JD2,DK-1,763
Changchun	CN2	43 48 05	125 26 54	230	Slate	SK,DK-1,473,763
Chengdu	CD2	30 54 36	103 45 28	628	Conglomerate	SK,DD-1,763
Dalian	DL2	38 54 22	121 37 42	62	Silicilith	SK,DD-1,763
Gaotai	GTA	39 24 38	99 48 52	1341	Granite	SK,62,DD-1,763
Guangzhou	GZH	23 05 13	113 20 38	11	Sandstone	SK,DD-1,513,763
Guiyang	GYA	26 27 31	106 39 50	1162	Dolomite	SK,DD-1,763
Hohhot	HHC	40 50 58	111 33 49	1154	Rhyolite	SK,DD-1,763
Kashi	KSH	39 31 00	75 55 23	1314	Alluvial clay	SK,DD-1
Kunming	KMI	25 07 24	102 44 24	1945	Sandstone	SK,DD-1,763
Lanzhou	LZH	36 05 12	103 50 48	1550	Lehm	SK,64,513,763
Lhasa	LSA	29 42 00	91 09 00	3789	Granite	SK,VGK
Mudanjiang	MDJ	44 36 59	129 35 31	250	Granite	SK,DD-1,513,763
Nanjing	NJ2	32 03 06	118 51 16	45	Silicarenite	SK,DD-1,513,763
Quanzhou	QZH	24 56 35	118 35 30	21	Granite	SK,64,763
Qiongzong	QZN	19 01 46	109 50 36	230	Granite	DD-1,763
Shenyang	SNY	41 49 40	123 34 41	54	Granite	SK,DD-1,763
Sheshan	SSE	31 05 44	121 11 12	10	Andesite	SK,DD-1,763
Tai'an	TIA	36 12 41	117 07 28	300	Amphibole granite	SK,64,513,763
Taiyuan	TIY	37 42 47	112 26 03	850	Limestone	SK,DD-1,64,763
Urumqi	WMQ	43 48 49	87 42 17	901	Sandstone	SK,62,763
Wuhan	WHN	30 32 37	114 21 01	26	Silicarenite	SK,DD-1,763
Xi'an	XAN	34 02 22	108 55 17	630	Granite	SK,DD-1,513



# 仪器常数

## Constants of seismograph

台站代号 Station code	仪器型号 Type of instrument	分向 Comp.	$T_1$	$T_2$	$D_1$	$D_2$	$\sigma^2$	$V_0$	测定日期 Date determined	记录纸速 $R_v$ (mm/min)	记录方式 Recorder type
BTO	SK	N-S	12.5	1.2	0.45	5.0	0.101	2.66E3	1987.5.9	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.0	0.101	2.41E3	1988.5.24		
		U-D	12.6	1.2	0.58	5.0	0.302	1.37E3			
		N-S	12.5	1.2	0.45	5.07	0.102	2.46E3			
		E-W	12.5	1.2	0.45	5.00	0.103	2.39E3			
		U-D	12.5	1.2	0.58	5.05	0.302	1.31E3			
	DD1	N-S	1.0		0.45			4.96E4		1988.9.20	120
		E-W	1.0		0.45			5.05E4			
		U-D	1.0		0.45			5.45E4			
BJI	SK	N-S	12.5	1.1	0.45	5.5	0.090	1.77E3	1987.8.1	30	照像纸 Photo paper
		E-W	12.5	1.1	0.45	5.4	0.070	1.30E3	1988.10.1		
		U-D	12.5	1.1	0.59	5.0	0.280	.905E3			
		N-S	12.5	1.1	0.45	5.47	0.091	1.74E3			
		E-W	12.5	1.1	0.45	5.18	0.069	1.63E3			
		U-D	12.5	1.1	0.59	4.07	0.278	1.20E3			
	DD-2	N-S	1.0		0.60			1.02E5		1988.5.1	120
		E-W	1.0		0.60			1.17E5			
		U-D	1.0		0.60			7.68E4			
CN2	SK	N-S	12.5	1.2	0.45	4.99	0.079	2.17E3	1988.1.12	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	4.97	0.075	2.01E3			
		U-D	12.5	1.2	0.65	4.98	0.349	1.50E3			
	DD1	N-S	1.0		0.45			7.92E4	1987.12.2	120	墨水笔 Pen and ink
		E-W	1.0		0.45			7.26E4			
		U-D	1.0		0.45			9.29E4			
		N-S	1.0		0.45			9.46E4			
		E-W	1.0		0.45			7.74E4			
		U-D	1.0		0.45			10.3E4			
CD2	SK	N-S	12.5	1.2	0.45	5.0	0.038	1.40E3	1987.12.26	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.0	0.039	1.40E3			
		U-D	12.5	1.2	0.53	5.0	0.161	1.40E3			
	DD2	N-S	1.0		0.45			7.16E4	1988.3.15	120	墨水笔 Pen and ink
		E-W	1.0		0.45			7.22E4			
		U-D	1.0		0.45			7.26E4			
DL2	SK	N-S	12.5	1.2	0.45	4.90	0.109	1.70E3	1987.10.27	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.00	0.100	1.70E3			
		U-D	12.5	1.2	0.58	4.90	0.241	1.70E3			
		N-S	12.5	1.2	0.45	4.95	0.104	1.70E3			
		E-W	12.5	1.2	0.45	5.08	0.102	1.70E3			
		U-D	12.5	1.2	0.58	4.99	0.251	1.33E3			
	DD1	N-S	1.0		0.45			3.14E4	1987.10.17	120	墨水笔 Pen and ink
		E-W	1.0		0.45			2.28E4			
		U-D	1.0		0.45			1.42E4			
		N-S	1.0		0.45			2.70E4			
		E-W	1.0		0.45			2.35E4			
		U-D	1.0		0.45			1.54E4			



续表

台站代号 Station code	仪器型号 Type of instrument	分向 Comp.	$T_1$	$T_2$	$D_1$	$D_2$	$\sigma^2$	$V_0$	测定日期 Date determined	记录纸速 $R_v$ (mm / min)	记录方式 Recorder type
GTA	SK	N-S	12.5	1.2	0.45	5.00	0.084	2.14E3	1987.11.7	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.00	0.076	2.00E3			
		U-D	12.5	1.2	0.45	5.00	0.349	1.14E3			
		N-S	12.5	1.2	0.45	5.01	0.082	2.26E3	1988.11.7		
		E-W	12.5	1.2	0.45	4.98	0.073	1.95E3			
		U-D	12.5	1.2	0.53	4.94	0.296	1.08E3			
	DD1	N-S	1.0		0.45			1.46E5	1987.9.26	120	墨水笔 Pen and ink
		E-W	1.0		0.45			1.54E5			
		U-D	1.0		0.45			1.30E5			
		N-S	1.0		0.45			1.73E5	1988.9.26		
		E-W	1.0		0.45			1.37E5			
		U-D	1.0		0.45			1.13E5			
	62	N-S	1.0	0.5	0.6	1.5	0.25	2.38E5	1987.3.8	120	照像纸 Photo paper
		E-W	1.0	0.5	0.6	1.5	0.25	2.25E5			
		U-D	1.0	0.5	0.6	1.5	0.25	1.97E5			
		N-S	1.0	0.6	0.659	1.5	0.25	1.83E5	1988.5.31		
		E-W	1.0	0.6	0.460	1.5	0.25	2.34E5			
		U-D	1.0	0.6	0.420	1.5	0.25	1.82E5			
GZH	SK	N-S	12.5	1.2	0.45	5.00	0.068	1.78E3	1987.3.7	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.00	0.065	1.96E3			
		U-D	12.5	1.2	0.56	5.10	0.025	1.23E3			
		N-S	12.5	1.2	0.45	4.99	0.068	1.84E3	1988.3.11		
		E-W	12.5	1.2	0.45	5.04	0.063	1.80E3			
		U-D	12.5	1.2	0.56	5.01	0.240	1.26E3			
	DD1	N-S	1.0		0.45			3.59E4	1987.8.10	120	墨水笔 Pen and ink
		E-W	1.0		0.45			2.14E4			
		U-D	1.0		0.45			2.46E4			
		N-S	1.0		0.45			3.70E4	1988.5.19		
		E-W	1.0		0.45			2.66E4			
		U-D	1.0		0.45			3.34E4			
GYA	SK	N-S	12.5	1.2	0.45	5.00	0.089	1.24E3	1987.7.9	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	4.90	0.069	1.29E3			
		U-D	12.5	1.2	0.56	5.10	0.297	.924E3			
		N-S	12.5	1.2	0.45	4.92	0.088	1.45E3	1988.7.12		
		E-W	12.5	1.2	0.45	4.95	0.070	1.45E3			
		U-D	12.5	1.2	0.56	5.03	0.286	.783E3			
	DD1	N-S	1.0		0.45			6.87E4	1987.7.12	120	墨水笔 Pen and ink
		E-W	1.0		0.45			5.88E4			
		U-D	1.0		0.45			5.92E4			
		N-S	1.0		0.45			6.09E4	1988.7.15		
		E-W	1.0		0.45			5.67E4			
		U-D	1.0		0.45			5.51E4			
HHC	SK	N-S	12.5	1.2	0.45	4.4	0.112	3.44E3	1987.7.8	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	4.7	0.119	3.40E3			
		U-D	12.5	1.2	0.58	4.9	0.290	1.49E3			



台站代号 Station code	仪器型号 Type of instruments	分向 Comp.	$T_1$	$T_2$	$D_1$	$D_2$	$\sigma^2$	$V_0$	测定日期 Date determined	记录纸速 $R_v$ (mm / min)	记录方式 Recorder type
HHC	SK	N-S	12.5	1.2	0.45	5.1	0.10	2.81E3	1988.7.7	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	4.9	0.10	2.73E3			
		U-D	12.5	1.2	0.60	5.1	0.31	1.33E3			
	DD1	N-S	1.0		0.45			5.77E4	1987.7.3	120	墨水笔 Pen and ink
		E-W	1.0		0.45			5.65E4			
		U-D	1.0		0.45			6.57E4			
		N-S	1.0		0.45		5.26E4	1988.7.3	120	墨水笔 Pen and ink	
	E-W	1.0		0.45			5.75E4				
	U-D	1.0		0.45			7.14E4				
KSH	SK	N-S	12.5	1.2	0.45	5.00	0.038	1.58E3	1987.8.27	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.00	0.041	1.63E3	1988.10.16		
		U-D	12.5	1.2	0.56	5.00	0.272	1.23E3			
		N-S	12.5	1.2	0.45	5.03	0.041	1.76E3			
		E-W	12.5	1.2	0.45	4.91	0.044	1.53E3			
		U-D	12.5	1.2	0.59	5.06	0.300	1.28E3			
KMI	SK	N-S	12.5	1.1	0.45	5.53	0.090	1.54E3	1988.1.1	30	照像纸 Photo paper
		E-W	12.5	1.1	0.45	5.53	0.080	1.45E3			
		U-D	12.5	1.1	0.60	5.50	0.314	.910E3			
	62	N-S	3.1	0.1	0.60	5.0	0.11	3.07E4	1988.1.8	60	照像纸 Photo paper
		E-W	3.0	0.1	0.60	5.0	0.11	2.98E4			
		U-D	2.0	0.1	0.30	4.0	0.20	4.35E4			
LZH	SK	N-S	12.5	1.2	0.45	5.0	0.076	1.74E3	1987.10.14	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.0	0.079	2.13E3	1988.10.14		
		U-D	12.5	1.2	0.49	4.9	0.337	1.29E3			
		N-S	12.5	1.2	0.45	4.96	0.077	2.12E3			
		E-W	12.5	1.2	0.45	4.99	0.080	2.12E3			
		U-D	12.5	1.2	0.59	4.95	0.338	1.25E3			
	64	N-S	2.5	0.1	0.50	6.0	0.25	2.17E4	1987.7.9	60	照像纸 Photo paper
		E-W	2.5	0.1	0.50	6.0	0.25	2.55E4	1988.6.18		
		U-D	2.5	0.1	0.50	6.0	0.25	2.81E4			
		N-S	2.5	0.1	0.50	6.0	0.25	2.43E4			
		E-W	2.5	0.1	0.50	6.0	0.25	2.76E4			
		U-D	2.5	0.1	0.50	6.0	0.25	3.04E4			
LSA	SK	N-S	12.5	1.2	0.45	5.0	0.096	2.09E3	1987.8.22	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.0	0.091	1.49E3	1988.8.30		
		U-D	12.5	1.2	0.56	5.0	0.275	.910E3			
		N-S	12.5	1.2	0.45	4.98	0.092	1.79E3			
		E-W	12.5	1.2	0.45	5.0	0.110	1.96E3			
		U-D	12.5	1.2	0.56	5.0	0.305	1.02E3			
MDJ	SK	N-S	12.5	1.2	0.45	4.9	0.042	2.39E3	1987.2.20	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	4.8	0.059	2.05E3	1988.8.10		
		U-D	12.6	1.2	0.45	5.1	0.249	1.33E3			
		N-S	12.4	1.2	0.45	4.97	0.068	2.44E3			
		E-W	12.4	1.2	0.45	5.00	0.056	2.15E3			
		U-D	12.5	1.2	0.57	4.93	0.235	1.47E3			



续表

台站代号 Station code	仪器型号 Type of instrument	分向 Comp.	$T_1$	$T_2$	$D_1$	$D_2$	$\sigma^2$	$V_0$	测定日期 Date determined	记录纸速 $R_v$ (mm/min)	记录方式 Recorder type	
MDJ	DD1	N-S	1.0		0.45			4.97E4	1987.1.26	120	墨水笔 Pen and ink	
		E-W	1.0		0.45			5.08E4				
		U-D	1.0		0.45			5.18E4				
		N-S	1.0		0.45			5.69E4	1988.4.17			
		E-W	1.0		0.45			5.78E4				
		U-D	1.0		0.45			4.56E4				
NJ2	SK	N-S	12.5	1.2	0.45	5.0	0.082	2.27E3	1988.6.3	30	照像纸 Photo paper	
		E-W	12.5	1.2	0.45	5.0	0.091	2.42E3				
		U-D	12.5	1.2	0.45	5.0	0.285	1.75E3				
		N-S	12.5	1.2	0.45	5.04	0.076	2.27E3	1988.7.1			
		E-W	12.5	1.2	0.45	5.05	0.086	2.38E3				
		U-D	12.5	1.2	0.61	5.02	0.275	1.33E3				
	DD1	N-S	1.0		0.45			3.61E4	1987.6.28	120	墨水笔 Pen and ink	
		E-W	1.0		0.45			3.41E4				
		U-D	1.0		0.45			3.69E4				
		N-S	1.0		0.45			2.94E4	1988.6.22			
		E-W	1.0		0.45			2.96E4				
		U-D	1.0		0.45			4.13E4				
QZH	SK	N-S	12.5	1.2	0.45	4.90	0.092	2.14E3	1987.11.20	30	照像纸 Photo paper	
		E-W	12.5	1.2	0.45	4.99	0.076	2.07E3				
		U-D	12.5	1.2	0.61	4.96	0.100	1.12E3				
	473	N-S	1.5		0.45			.440E4	1988.3.25	120	熏烟纸 Smoked paper	
		E-W	1.5		0.45			.650E4				
		U-D	1.5		0.45			.380E4				
QZN	SK	N-S	12.5	1.2	0.45	5.0	0.038	1.58E3	1987.12.16	30	照像纸 Photo paper	
		E-W	12.5	1.2	0.45	4.9	0.040	1.62E3				
		U-D	12.5	1.2	0.62	4.9	0.310	1.22E3				
	DD1	N-S	1.0		0.45			3.18E4	1987.12.11	120	墨水笔 Pen and ink	
		E-W	1.0		0.45			4.48E4				
		U-D	1.0		0.45			3.47E4				
		N-S	0.7		0.45			8.69E4	1988.6.11			
		E-W	0.7		0.45			1.11E4				
		U-D	0.7		0.45			8.60E4				
	SNY	SK	N-S	12.5	1.2	0.45	5.1	0.085	2.30E3	1987.3.31	30	照像纸 Photo paper
			E-W	12.5	1.2	0.45	5.0	0.095	2.39E3			
			U-D	12.5	1.2	0.61	5.0	0.314	1.24E3			
N-S			12.5	1.2	0.45	5.08	0.086	2.29E3	1988.3.31			
E-W			12.5	1.2	0.45	4.99	0.095	2.35E3				
U-D			12.5	1.2	0.61	4.97	0.317	1.26E3				
DD1		N-S	1.0		0.45			5.25E4	1987.6.22	120	墨水笔 Pen and ink	
		E-W	1.0		0.45			5.75E4				
		U-D	1.0		0.45			4.10E4				
		N-S	1.0		0.45			5.21E4	1988.5.30			
		E-W	1.0		0.45			6.03E4				
		U-D	1.0		0.45			4.78E4				



台站代号 Station code	仪器型号 Type of instrument	分向 Comp.	T <sub>1</sub>	T <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	$\sigma^2$	V <sub>0</sub>	测定日期 Date determined	记录纸速 R <sub>v</sub> (mm / min)	记录方式 Recorder type
SSE	SK	N-S	12.5	1.2	0.45	5.0	0.078	2.01E3	1987.12.24	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	4.9	0.086	2.00E3			
		U-D	12.5	1.2	0.54	5.0	0.242	1.08E3			
	DD1	N-S	1.0		0.45			5.53E4	1987.12.22	120	墨水笔 Pen and ink
		E-W	1.0		0.45			5.32E4			
		U-D	1.0		0.45			3.96E4			
TIA	SK	N-S	12.5	1.2	0.45	5.0	0.083	2.26E3	1987.10.24	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	4.9	0.086	2.09E3	1988.10.15		
		U-D	12.5	1.2	0.53	4.9	0.251	.807E3			
		N-S	12.5	1.2	0.45	5.10	0.084	2.22E3			
		E-W	12.5	1.2	0.45	4.9	0.086	2.35E3			
		U-D	12.5	1.2	0.53	5.0	0.230	1.76E3			
	473	N-S	1.5		0.45			4.55E4		1987.10.30	120
		E-W	1.5		0.45			2.75E4	1988.10.26		
		U-D	1.5		0.45			5.60E4			
		N-S	1.5		0.45			4.85E4			
		E-W	1.5		0.45			4.40E4			
		U-D	1.5		0.45			3.65E4			
TIY	SK	N-S	12.5	1.2	0.45	5.10	0.085	1.67E3		1987.4.2	30
		E-W	12.5	1.2	0.45	5.01	0.082	1.72E3	1988.3.6		
		U-D	12.5	1.2	0.59	4.94	0.307	.832E3			
		N-S	12.5	1.2	0.45	4.96	0.087	1.66E3			
		E-W	12.5	1.2	0.45	5.00	0.083	1.70E3			
		U-D	12.5	1.2	0.59	5.02	0.309	.866E3			
	DD1	N-S	1.0		0.45			1.35E4		1987.9.14	120
		E-W	1.0		0.45			1.23E4	1988.3.13		
		U-D	1.0		0.45			3.44E4			
		N-S	1.0		0.45			1.42E4			
		E-W	1.0		0.45			1.17E4			
		U-D	1.0		0.45			3.63E4			
WHN	SK	N-S	12.5	1.2	0.45	5.10	0.085	2.36E3		1988.1.1	30
		E-W	12.5	1.2	0.45	5.09	0.100	2.36E3			
		U-D	12.5	1.2	0.62	4.94	0.201	2.61E3			
	DD1	N-S	1.0		0.45			2.60E4	1988.1.1	120	墨水笔 Pen and ink
		E-W	1.0		0.45			2.29E4			
		U-D	1.0		0.45			4.15E4			
WMQ	SK	N-S	12.5	1.2	0.45	5.0	0.098	1.74E3	1987.12.2	30	照像纸 Photo paper
		E-W	12.5	1.2	0.45	5.0	0.094	1.37E3	1988.9.23		
		U-D	12.5	1.2	0.57	5.0	0.329	.926E3			
		N-S	12.5	1.2	0.45	5.0	0.089	2.11E3			
		E-W	12.5	1.2	0.45	4.95	0.093	2.09E3			
		U-D	12.5	1.2	0.59	5.0	0.302	1.20E3			



续表

台站代号 Station code	仪器型号 Type of instrument	分向 Comp.	$T_1$	$T_2$	$D_1$	$D_2$	$\sigma^2$	$V_0$	测定日期 Date determined	记录纸速 $R_v$ (mm / min)	记录方式 Recorder type	
WMQ	DD1	N-S	1.0		0.45			1.21E5	1988.9.21	120	墨水笔 Pen and ink	
		E-W	1.0		0.45			9.42E4				
		U-D	1.0		0.45			1.34E5				
XAN	SK	N-S	12.5	1.2	0.45	5.0	0.091	2.26E3	1987.5.23	30	照像纸 Photo paper	
		E-W	12.5	1.2	0.45	5.0	0.092	2.27E3				
		U-D	12.5	1.2	0.62	5.0	0.326	1.39E3				
		N-S	12.5	1.2	0.45	5.05	0.088	2.20E3				1988.8.9
		E-W	12.5	1.2	0.45	5.04	0.089	2.23E3				
		U-D	12.5	1.2	0.62	4.98	0.308	1.32E3				
	DD1	N-S	1.0		0.45			8.15E4	1987.10.4	120	墨水笔 Pen and ink	
		E-W	1.0		0.45			8.45E4				
		U-D	1.0		0.45			1.23E5				
		N-S	1.0		0.45			8.05E4				1988.7.7
		E-W	1.0		0.45			8.30E4				
		U-D	1.0		0.45			1.20E5				

62 : Type 62 seismograph with galvanometer recording

64 : Type 64 seismograph with galvanometer recording or with electronic amplifier and pen recorder

SK : Type SK (Kirnos) seismograph with galvanometer recording

DD-1 : Type DD-1 seismograph with electronic amplifier and pen recorder

$T_1$  : Seismometer period in sec.

$T_2$  : Galvanometer period in sec.

$D_1$  : Damping coefficient of Seismometer

$D_2$  : Damping coefficient of galvanometer

$\sigma^2$  : Coupling coefficient

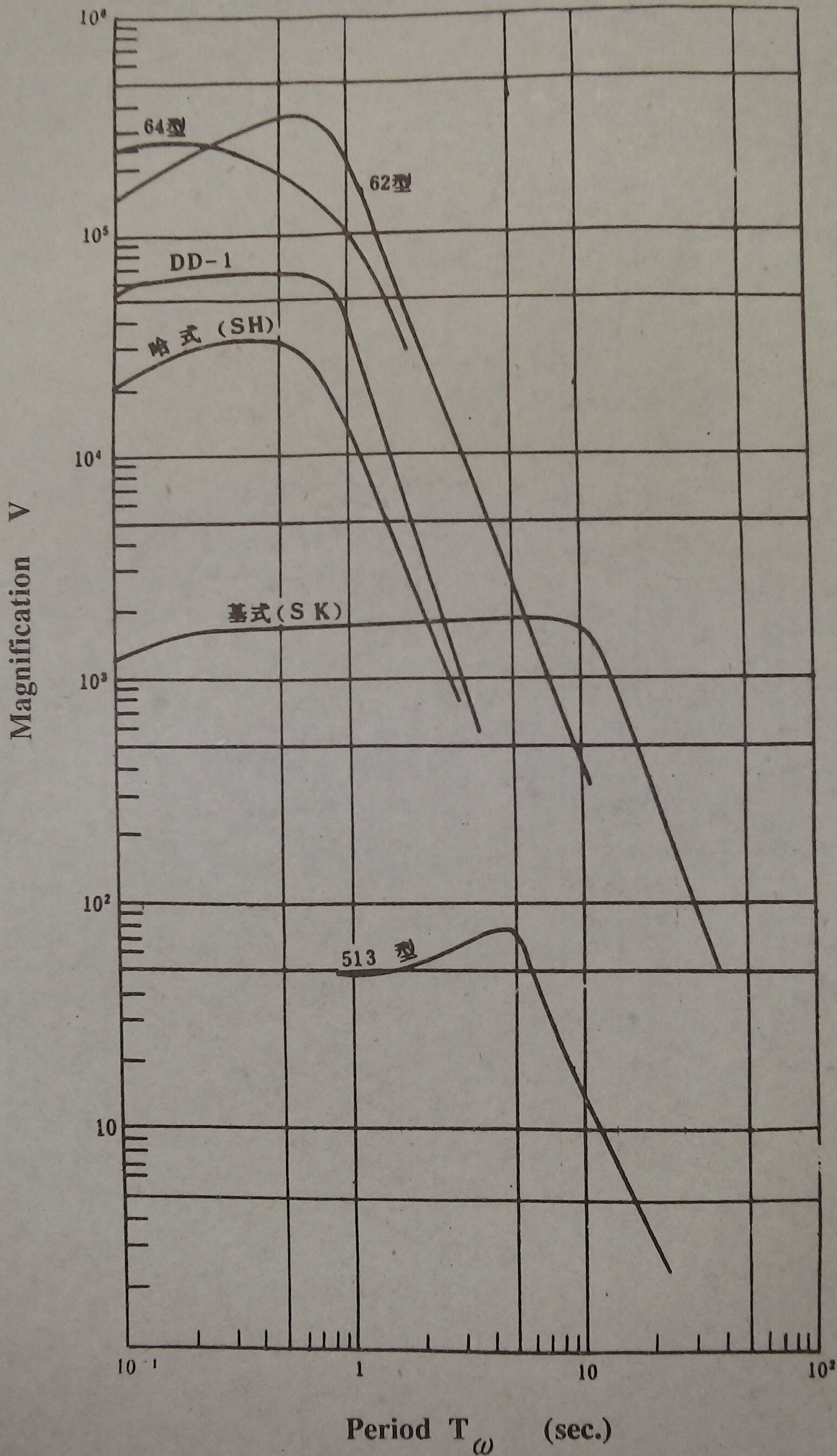
$V_0$  : Static magnification, asterisk indicates magnification at  $T_1$

$R_v$  : Paper speed in mm / min



# 仪器放大倍率曲线

## Response Curves of Instruments







1963-11-17



1988 年 地 震 目 录  
(1-6 月)

Catalogue of earthquakes of 1988  
(January to June)



1228 75 11 11 11 11 11 11

(11 11 11)

1221 to 1228 11 11 11 11 11 11

(11 11 11)



# 1. 世界地震目录 Catalogue of earthquakes all over the world

No.	Origin time				Geographic coordinates		Depth (km)	Magnitudes					SD No.		Region and comments	
	U T C				Lat	Long		Ms	M <sub>L</sub>	m <sub>B</sub>	Msz	m <sub>b</sub>	China	NEIC		Sta.
	d	h	min	s												
January 1988																
1	1	00	03	09.4	28.00N	142.76E	28	4.4					5.1	1.2	72	小笠原群岛地区 Bonin Islands region
	1	08														
2	1	00	57	33.1	22.40S	179.47W	584						4.9	0.9	30	斐济以南地区 South of Fiji
	1	08														
3	1	11	26	14.6	42.46N	91.92E	8		3.4					2.8	7	新疆维吾尔自治区南部 Southern Xinjiang Province
	1	19														
4	1	12	24	13.1	17.99S	178.81W	579						4.1	1.0	15	斐济地区 Fiji region
	1	20														
5	1	14	27	46.6	30.12N	94.84E	16	4.3	4.5				4.5	2.4	41	印度—中国边境地区 India-China border region
	1	22														
6	1	14	36	08.5	74.65N	131.09E	9	5.2		5.3	4.6	5.1	0.9	72	拉普帖夫海 Laptev Sea	
	1	22														
7	1	15	23	38.9	43.66N	110.79E	10		3.7					3.1	13	蒙古 Mongolia
	1	23														
8	1	17	54	21.9	41.79N	81.68E	7		3.4					2.5	21	新疆维吾尔自治区南部 Southern Xinjiang Province
	2	01														
9	1	22	14	42.8	20.28N	96.02E	25	5.2	5.7	5.6	4.5	5.2	1.4	91	缅甸 Burma	
	2	06														
10	2	01	05	20.9	23.88N	121.69E	44	4.1	3.9				3.8	1.9	37	台湾岛 Taiwan
	2	09														
11	2	01	27	36.0	23.14N	117.57E	26		3.4					2.6	7	台湾地区 Taiwan region
	2	09														
12	2	06	36	09.9	20.42S	169.87E	146			5.4			5.6	0.8	69	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	2	14														
13	2	10	33	29.4	55.19N	165.53E	33						4.9	1.2	45	科曼多尔群岛地区 Komandorsky Islands region
	2	18														
14	2	12	42	02.0	43.36N	142.42E	181			6.2			6.0	1.0	105	北海道地区 Hokkaido region
	2	20														
15	2	13	37	23.8	12.37N	143.67E	48	4.1		4.5	5.3		1.0	58	马里亚纳群岛以南地区 South of the Marianas	
	2	21														
16	2	18	37	57.0	38.42N	74.01E	114						4.6	1.5	26	塔吉克 Tadzhikistan
	3	02														
17	2	22	02	36.7	40.28N	77.34E	20		4.3					3.2	13	新疆维吾尔自治区南部 Southern Xinjiang Province
	3	06														
18	3	04	59	37.9	40.28N	79.23E	10		3.9					2.8	9	新疆维吾尔自治区南部 Southern Xinjiang Province
	3	12														
19	3	06	17	01.8	0.21N	125.56E	85						4.8	1.9	18	马鲁古海 Molucca Sea
	3	14														
20	3	11	18	01.7	36.70N	71.18E	232						4.5	1.3	26	兴都库什地区 Hindu Kush region
	3	19														
21	3	15	37	56.7	6.29S	145.66E	128						4.5	1.6	28	新几内亚 New Guinea
	3	23														
22	3	20	09	21.2	38.43N	91.39E	10	3.8	4.6				4.4	2.3	38	新疆维吾尔自治区南部 Southern Xinjiang Province
	4	04														
23	3	21	32	24.6	38.07N	106.34E	14	5.4	5.6	5.6			5.5	1.8	96	中国北部 Northern China
	4	05														



24	3	21-58-27.5	38.16N	106.36E	17	3.0			4.5	7	中国北部 Northern China	
	4	05										
25	4	00-52-51.0	46.59N	81.78E	8	3.9			2.0	13	哈萨克东部 Eastern Kazakhstan	
	4	08										
26	4	02-54-43.2	38.09N	106.14E	21	3.7			2.2	14	中国北部 Northern China	
	4	10										
27	4	09-12-34.5	37.93N	106.21E	11	3.3			3.4	9	中国北部 Northern China	
	4	17										
28	4	10-37-02.5	46.50N	149.93E	205		5.4	5.2	1.3	72	千岛群岛 Kurile Islands	
	4	18										
29	4	11-04-45.7	38.04N	106.30E	10	3.0			2.5	7	中国北部 Northern China	
	4	19										
30	4	13-25-21.9	38.27N	106.15E	9	3.5			3.4	12	中国北部 Northern China	
	4	21										
31	4	14-17-21.7	40.79N	106.43E	7	3.4			2.3	9	中国北部 Northern China	
	4	22										
32	4	16-12-55.2	38.01N	106.32E	6	3.2			2.1	11	中国北部 Northern China	
	5	00										
33	4	17-20-02.0	7.40S	128.33E	139			5.1	1.1	73	班达海 Banda Sea	
	5	01										
34	4	20-51-26.4	37.93N	106.29E	10	3.6			2.7	20	中国北部 Northern China	
	5	04										
35	5	03-03-16.7	37.99N	106.18E	12	4.0			2.5	20	中国北部 Northern China	
	5	11										
36	5	05-13-29.5	37.89N	106.29E	12	3.5			2.9	17	中国北部 Northern China	
	5	13										
37	5	06-23-14.0	38.15N	73.99E	167			4.9	1.6	37	塔吉克 Tadzhikistan	
	5	14										
38	5	08-48-06.9	2.69N	96.13E	55	4.7		5.1	1.0	46	北苏门答腊西海岸远海 Off west coast of Northern Sumatra	
	5	16										
39	5	08-50-17.6	2.70N	96.24E	32			4.9	1.2	28	北苏门答腊西海岸远海 Off west coast of Northern Sumatra	
	5	16										
40	5	10-32-42.6	35.86N	81.30E	8	3.8			3.5	9	克什米尔——西藏边境地区 Kashmir-Tibet border region	
	5	18										
41	5	19-30-23.5	40.37N	123.41E	9	3.6			3.7	7	中国东北部 North-Eastern China	
	6	03										
42	5	19-30-49.4	40.23N	123.83E	13	3.6	3.9		3.4	17	中国东北部 North-Eastern China	
	6	03										
43	5	22-44-39.1	37.97N	106.38E	12	3.5			2.8	11	中国北部 Northern China	
	6	06										
44	5	22-47-06.8	1.93S	127.59E	33			3.7	4.8	1.3	37	斯兰海 Ceram Sea
	6	06										
45	5	23-01-09.4	38.09N	106.17E	11	3.7			2.7	19	中国北部 Northern China	
	6	07										
46	6	00-58-31.2	37.98N	106.32E	11	3.4	3.7		1.8	21	中国北部 Northern China	
	6	08										
47	6	05-47-21.1	34.17N	108.22E	9	4.1	4.3	4.7	2.5	32	中国东部 Eastern China	
	6	13										
48	6	13-44-25.1	39.68N	118.46E	10	3.1			2.7	10	中国东北部 North-Eastern China	
	6	21										
49	6	14-49-21.1	6.16N	126.32E	88	4.6	5.4	5.2	1.5	78	棉兰老岛 Mindanao	
	6	22										



50	6	15-31-10.2	39.73N	75.29E	15	5.0	5.3	5.0	5.1	2.5	65	新疆自治区南部 Southern Xinjiang Province	
	6	23											
51	6	18-34-50.1	47.33N	155.25E	35			4.3	1.5		21	千岛群岛地区 Kurile Islands region	
	7	02											
52	7	00-55-10.3	0.18N	122.37E	186			4.9	1.2		37	米那哈沙半岛(西里伯斯) Minahassa Peninsula (Celebes)	
	7	08											
53	7	06-15-06.0	36.88N	111.65E	12		3.0			0.9	8	中国东部 Eastern China	
	7	14											
54	7	06-56-51.0	35.29N	140.65E	34	4.0		4.7	2.0		38	本州东海岸近海 Near east coast of Honshu	
	7	14											
55	7	09-24-18.5	59.01S	23.69W	31	5.7		5.2	5.3	2.0	38	南桑德韦奇群岛地区 South Sandwich Islands region	
	7	17											
56	7	10-59-37.9	38.37N	45.37E	35			4.7	1.3		22	土耳其——伊朗边境地区 Turkey-Iran border region	
	7	18											
57	7	11-38-34.7	25.74N	125.15E	153			4.7	1.4		57	台湾东北以远地区 North-east of Taiwan	
	7	19											
58	8	02-40-28.0	44.37N	148.70E	57	4.3		5.2	1.5		69	千岛群岛地区 Kurile Islands region	
	8	10											
59	8	04-10-41.7	25.29N	126.69E	155			4.3	1.9		21	琉球群岛 Ryukyu Islands	
	8	12											
60	8	12-43-00.1	5.62S	149.65E	149			5.2	1.1		64	新不列颠地区 New Britain region	
	8	20											
61	8	13-05-44.7	40.00N	15.74E	10			3.8	4.8	1.0	45	意大利南部 Southern Italy	
	8	21											
62	8	15-51-60.0	38.08N	106.35E	10	4.3	4.4	4.6	2.3		47	中国北部 Northern China	
	8	23											
63	8	16-50-38.7	45.55N	26.26E	136			4.7	1.0		55	罗马尼亚 Romania	
	9	00											
64	8	18-22-23.7	37.98N	106.27E	10		3.8			2.7	17	中国北部 Northern China	
	9	02											
65	8	21-39-06.7	40.35N	123.37E	12		3.4			2.5	10	中国东北部 North-Eastern China	
	9	05											
66	9	01-02-45.6	41.30N	19.75E	24	5.8		5.8	5.8	5.3	1.1	85	阿尔巴尼亚 Albania
	9	09											
67	9	03-12-38.3	47.24N	154.06E	31	4.8		4.9	5.2	1.0	67	千岛群岛 Kurile Islands	
	9	11											
68	9	03-55-03.6	39.13N	71.45E	25	4.9	5.3	5.1	4.9	5.4	1.3	82	阿富汗——苏联边境地区 Afghanistan-USSR border region
	9	11											
69	9	09-59-36.1	38.03N	106.30E	10		3.0			3.6	7	中国北部 Northern China	
	9	17											
70	9	22-02-04.6	35.88N	21.80E	29	4.9		4.8	4.8	0.8	67	地中海 Mediterranean Sea	
	10	06											
71	10	00-53-04.8	38.10N	106.35E	10	3.7	4.1	4.2	2.8		36	中国北部 Northern China	
	10	08											
72	10	02-10-11.7	11.76N	125.73E	19	4.5		4.7	1.0		49	萨马岛 Samar	
	10	10											
73	10	02-34-38.2	39.20N	71.47E	32	4.8	4.5	4.7	2.1		31	阿富汗——苏联边境地区 Afghanistan-USSR border region	
	10	10											
74	10	06-18-32.9	29.63N	90.51E	29			4.4	1.7		29	西藏自治区 Tibet	
	10	14											
75	10	06-31-42.3	29.80N	90.43E	10			4.8	1.4		15	西藏自治区 Tibet	
	10	14											



76	10	07-24-35.1	38.09N	106.36E	9	5.1	5.3	4.9	5.1	2.3	94	中国北部 Northern China
	10	15										
77	10	07-43-13.5	27.23N	100.96E	9	5.5	5.0	5.6	4.6	5.2	1.9	92 云南省 Yunnan Province
	10	15										
78	10	08-06-14.3	38.03N	106.03E	18		3.5				3.2	13 中国北部 Northern China
	10	16										
79	10	08-32-19.9	38.15N	105.95E	7		3.2				4.2	6 中国北部 Northern China
	10	16										
80	10	10-33-28.2	38.12N	106.42E	15		3.3				1.3	5 中国北部 Northern China
	10	18										
81	10	13-33-23.1	53.08N	162.95W	37				4.7	0.6		19 阿拉斯加以南地区 South of Alaska
	10	21										
82	10	16-34-42.4	0.50S	98.00E	29				3.6	0.8		16 苏门答腊西南以远地区 South-west of Sumatera
	11	00										
83	10	17-02-36.6	38.10N	106.20E	12		3.4				2.5	10 中国北部 Northern China
	11	01										
84	10	17-33-08.8	41.92N	84.11E	8		4.0				2.3	12 新疆自治区南部 Southern Xinjiang Province
	11	01										
85	10	23-59-16.8	59.46S	26.40W	47				4.9	1.5		13 南桑德韦奇群岛地区 South Sandwich Islands region
	11	07										
86	11	03-27-54.8	1.00S	127.30E	39			4.3	5.1	1.0		71 马鲁古海 Molucca Sea
	11	11										
87	11	03-39-50.3	38.06N	106.19E	10		3.0				2.5	5 中国北部 Northern China
	11	11										
88	11	04-32-18.5	38.00N	106.42E	12		3.3				4.2	7 中国北部 Northern China
	11	12										
89	11	19-01-39.7	3.82S	130.10E	107				5.1	1.1		32 班达海 Banda Sea
	12	03										
90	11	21-07-27.1	54.89N	161.55E	28	5.1		4.9	5.8	1.6		72 堪察加东海岸近海 Near east coast of Kamchatka
	12	05										
91	11	22-27-08.5	6.12S	154.49E	20	5.6		5.8	5.6	5.3	1.0	95 新不列颠地区 New Britain region
	12	06										
92	11	23-15-01.4	3.75S	131.49E	33	5.0		4.7	5.3	1.2		61 班达海 Banda Sea
	12	07										
93	12	03-10-29.6	36.52N	71.50E	61	4.1	4.5		4.7	2.3		22 阿富汗—苏联边境地区 Afghanistan-USSR border region
	12	11										
94	12	05-58-49.5	3.83S	135.44E	31				5.0	1.1		16 西伊里安地区 West Irian region
	12	13										
95	12	07-29-27.0	28.80S	177.27W	15	6.5	6.6		6.4	1.3		99 克马德克群岛 Kermadec Islands
	12	15										
96	12	09-17-11.5	38.03N	106.28E	6		3.2				2.3	12 中国北部 Northern China
	12	17										
97	12	10-08-48.0	3.74S	135.05E	35				4.3	1.5		18 西伊里安地区 West Irian region
	12	18										
98	12	12-51-25.7	27.75N	139.76E	497			4.5	4.6	1.0		64 小笠原群岛地区 Bonin Islands region
	12	20										
99	12	14-59-26.4	35.28N	99.47E	20		3.5				2.9	8 青海省 Qinghai Province
	12	22										
100	12	21-01-33.0	7.39N	124.79E	377				4.5	0.7		24 棉兰老岛 Mindanao
	13	05										
101	13	01-00-28.9	51.38N	174.66W	32	5.0		5.1	5.0	1.1		73 安德烈亚诺夫群岛 Andreanof Islands
	13	09										



102	13	01-01-47.7	51.37N	174.67W	23	5.4	5.6	5.2	5.6	1.1	77	安德烈亚诺夫群岛 Andreanof Islands	
	13	09											
103	13	01-07-09.4	51.33N	174.75W	32	5.1		5.2	5.2	1.0	65	安德烈亚诺夫群岛 Andreanof Islands	
	13	09											
104	13	01-09-33.3	51.47N	174.70W	25	5.1			5.1	1.0	48	安德烈亚诺夫群岛 Andreanof Islands	
	13	09											
105	13	01-14-04.0	6.11S	154.60E	45	5.3		5.2	4.7	1.2	54	所罗门群岛 Solomon Islands	
	13	09											
106	13	03-58-01.9	51.56N	174.72W	32	5.1	5.5	4.8	4.9	1.0	79	安德烈亚诺夫群岛 Andreanof Islands	
	13	11											
107	13	06-55-49.1	51.35N	174.67W	35	4.9		4.7	5.1	0.9	61	安德烈亚诺夫群岛 Andreanof Islands	
	13	14											
108	13	11-47-31.2	32.40S	179.58W	34	5.4		5.2	5.6	1.8	31	克马德克群岛以南地区 South of Kermadec Islands	
	13	19											
109	13	12-26-36.6	32.47N	121.47E	7		3.2			3.4	7	中国东部 Eastern China	
	13	20											
110	13	15-35-00.5	24.13N	122.01E	41	4.1	4.5		4.4	1.6	66	台湾岛 Taiwan	
	13	23											
111	13	15-38-15.7	23.14S	177.00W	113				5.7	1.1	90	斐济以南地区 South of Fiji	
	13	23											
112	13	16-23-13.2	4.59S	153.19E	30	5.6	6.1	5.5	5.8	1.0	104	新不列颠地区 New Britain region	
	14	00											
113	13	17-32-03.8	14.95S	167.32E	151				5.5	1.0	63	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	14	01											
114	13	17-57-45.5	6.50S	154.47E	33				4.5	1.3	19	新不列颠地区 New Britain region	
	14	01											
115	13	19-36-16.7	2.16N	127.00E	70				4.9	1.4	42	马鲁古海峡 Molucca Passage	
	14	03											
116	13	20-02-16.9	2.91N	128.57E	230				4.9	1.0	50	查伊洛洛贾洛洛(哈马黑拉)岛 Djailolo Gilolo (Halmahera)	
	14	04											
117	13	21-23-11.3	36.49N	70.78E	193			5.2	4.8	1.1	85	兴都库什地区 Hindu Kush region	
	14	05											
118	13	22-16-48.2	32.35S	179.48W	59			4.9	5.6	1.8	34	克马德克群岛以南地区 South of Kermadec Islands	
	14	06											
119	14	01-16-48.8	24.65S	176.03W	65	5.4		5.7	5.4	4.9	1.6	53	斐济以南地区 South of Fiji
	14	09											
120	14	02-58-00.6	37.93N	106.26E	10		3.1			4.3	6	中国北部 Northern China	
	14	10											
121	14	07-19-07.9	38.10N	106.23E	12		3.0			4.8	6	中国北部 Northern China	
	14	15											
122	14	07-57-01.2	13.58S	166.41E	54				4.6	1.8	22	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	14	15											
123	14	10-32-54.0	20.70N	146.44E	34			4.0	4.7	2.0	40	马里亚纳群岛 Marianas	
	14	18											
124	14	19-03-32.9	25.71S	178.74W	371				5.0	0.9	57	斐济以南地区 South of Fiji	
	15	03											
125	14	19-27-27.5	0.87N	99.08E	119			5.1	5.0	1.0	63	苏门答腊北部 Northern Sumatra	
	15	03											
126	14	22-51-11.9	30.65N	103.37E	13	4.0	4.3		4.5	2.7	40	四川省 Sichuan Province	
	15	06											
127	15	08-40-23.6	20.74S	175.88W	217			6.2	6.2	0.8	96	斐济地区 Fiji region	
	15	16											



128	15	10-40-28.2	33.55N	138.88E	238		4.4	1.4	40	本州以南地区	
	15	18								South of Honshu	
129	15	13-55-58.2	27.26N	101.01E	10	3.5		3.1	17	云南省	
	15	21								Yunnan Province	
130	15	16-36-16.4	37.48N	114.95E	18	3.2		3.0	15	中国东部	
	16	00								Eastern China	
131	15	16-50-01.3	30.29N	138.53E	447		4.5	0.8	56	本州以南地区	
	16	00								South of Honshu	
132	15	21-07-10.9	27.07S	11.31W	9	5.7	5.4	5.4	1.3	41 南大西洋海岭	
	16	05								South Atlantic Ridge	
133	16	00-43-36.4	2.23S	140.24E	33	5.2	5.9	5.1	5.5	0.9	104 西伊里安北海岸近海
	16	08									Near north coast of West Irian
134	16	05-46-50.0	60.40S	154.28E	9	5.7	5.5	5.7	1.7	32 麦阔里岛以西地区	
	16	13									West of Macquarie Island
135	16	07-11-38.5	34.74N	104.62E	7	3.1			3.0	16 甘肃省	
	16	15									Gansu Province
136	16	11-42-10.7	35.31N	140.42E	50	4.6	4.5	5.1	1.5	90 本州南海岸近海	
	16	19									Near south coast of Honshu
137	16	13-01-23.6	18.43S	177.91W	574		4.9	0.7	37	斐济地区	
	16	21									Fiji region
138	16	22-49-55.1	0.70N	127.68E	32		3.6	1.4	26	查伊洛洛贾洛洛(哈马黑拉)岛	
	17	06									Djailolo Gilolo (Halmahera)
139	17	00-54-41.1	1.00N	127.68E	36	4.5	5.0	1.6	33	查伊洛洛贾洛洛(哈马黑拉)岛	
	17	08									Djailolo Gilolo (Halmahera)
140	17	02-47-16.5	7.73S	127.74E	33		4.9	1.1	31	帝汶岛	
	17	10									Timor
141	17	03-36-04.2	36.25N	70.76E	113		5.4	4.9	1.2	79 兴都库什地区	
	17	11									Hindu Kush region
142	17	03-41-44.4	0.93N	127.33E	10		4.7	1.8	11	马鲁古海峡	
	17	11									Molucca Passage
143	17	03-56-08.8	43.18N	83.19E	8	3.3		3.2	8	新疆自治区北部	
	17	11									Northern Xinjiang Province
144	17	09-25-21.2	10.09S	161.21E	77		4.3	1.1	16	所罗门群岛	
	17	17									Solomon Islands
145	17	11-26-47.8	4.96S	132.08E	51		4.7	1.0	23	班达海	
	17	19									Banda Sea
146	17	11-46-17.7	27.12N	100.94E	8	3.3		4.0	10	云南省	
	17	19									Yunnan Province
147	17	12-25-14.0	44.69N	148.02E	54	4.4	4.8	1.8	35	千岛群岛	
	17	20									Kurile Islands
148	17	13-51-36.7	32.35S	179.57W	51	5.5	5.1	5.3	1.3	27 克马德克群岛以南地区	
	17	21									South of Kermadec Islands
149	17	15-31-18.2	19.54S	175.65W	244		5.0	0.9	49	斐济地区	
	17	23									Fiji region
150	17	17-14-13.9	6.23N	125.76E	136		5.6	5.1	1.5	66 棉兰老岛	
	18	01									Mindanao
151	18	01-38-49.8	1.01N	127.43E	33		4.8	0.6	13	马鲁古海峡	
	18	09									Molucca Passage
152	18	02-39-16.5	20.55N	122.29E	167		4.6	1.2	37	菲律宾群岛地区	
	18	10									Philippine Islands region
153	18	09-53-33.7	32.49S	179.53W	71		5.2	1.5	21	克马德克群岛以南地区	
	18	17									South of Kermadec Islands



154	18	09-55-40.3	36.49N	70.46E	211		5.3	4.9	1.0	78	兴都库什地区 Hindu Kush region	
	18	17										
155	18	11-52-28.0	24.41N	122.34E	14		4.0		2.0	30	台湾岛 Taiwan	
	18	19										
156	18	13-48-12.6	2.42S	76.61W	144			4.9	2.1	43	秘鲁——厄瓜多尔边境地区 Peru-Ecuador border region	
	18	21										
157	18	19-02-38.6	4.81N	96.15E	62			4.4	1.8	24	苏门答腊北部 Northern Sumatra	
	19	03										
158	18	21-01-07.2	35.57N	99.54E	17	4.1	4.3		2.6	30	青海省 Qinghai Province	
	19	05										
159	18	23-45-54.0	55.34S	145.84E	12			5.4	1.3	17	麦阔里岛以西地区 West of Macquarie Island	
	19	07										
160	19	02-29-16.4	36.56N	70.85E	195			4.9	1.1	61	兴都库什地区 Hindu Kush region	
	19	10										
161	19	03-25-20.7	4.25N	124.76E	336		5.6	5.7	0.9	97	西里伯斯海 Celebes Sea	
	19	11										
162	19	07-30-31.9	24.66S	70.44W	29	7.1	6.7	6.7	6.3	1.6	98	智利北部海岸近海 Near coast of Northern Chile
	19	15										
163	19	10-31-53.5	0.81S	127.74E	52			4.4	0.9	21	查伊洛洛贾洛洛(哈马黑拉)岛 Djailolo Gilolo (Halmahera)	
	19	18										
164	19	12-32-05.3	5.74S	130.79E	114			5.1	0.9	28	班达海 Banda Sea	
	19	20										
165	19	20-00-21.3	37.81N	112.56E	14		3.0		2.4	7	中国东北部 North-Eastern China	
	20	04										
166	19	23-49-02.6	0.05S	129.97E	56			4.9	1.0	55	查伊洛洛贾洛洛(哈马黑拉)岛 Djailolo Gilolo (Halmahera)	
	20	07										
167	20	02-07-44.7	0.59S	127.99E	32			4.6	1.3	22	查伊洛洛贾洛洛(哈马黑拉)岛 Djailolo Gilolo (Halmahera)	
	20	10										
168	20	05-10-09.6	47.99N	121.73E	13		3.2		2.9	8	中国东北部 North-Eastern China	
	20	13										
169	20	06-19-30.0	24.99N	125.10E	10	4.3	4.2		2.3	19	琉球群岛西南部 South-western Ryukyu Islands	
	20	14										
170	20	10-49-09.0	25.42N	124.75E	11	5.0	4.8	5.1	4.9	2.2	64	琉球群岛西南部 South-western Ryukyu Islands
	20	18										
171	20	12-47-22.5	25.30N	124.65E	30	4.8	5.0		2.6	44	琉球群岛西南部 South-western Ryukyu Islands	
	20	20										
172	20	15-01-28.9	24.50S	70.73W	27	5.7	5.5	5.1	5.3	1.6	62	智利北部海岸远海 Off coast of Northern Chile
	20	23										
173	20	20-23-15.5	25.35N	124.94E	27	4.7	5.0	4.6	2.4	56	琉球群岛西南部 South-western Ryukyu Islands	
	21	04										
174	20	20-50-46.0	9.17S	67.13E	10	5.2		4.9	5.0	1.2	66	中印度洋海丘 Mid-Indian Rise
	21	04										
175	21	08-22-22.7	18.13S	168.17E	44	5.8	6.1	5.9	5.7	1.0	90	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	21	16										
176	21	14-00-48.1	45.21N	150.25E	36			4.9	1.1	50	千岛群岛 Kurile Islands	
	21	22										
177	21	15-31-36.8	24.22N	98.44E	31	3.6	3.9		2.5	8	缅甸——中国边境地区 Burma-China border region	
	21	23										
178	21	16-17-42.4	26.44N	141.59E	93		5.1	5.1	1.1	52	硫黄列岛地区 Volcano Islands region	
	22	00										
179	21	18-56-25.5	26.90N	103.29E	24		3.1		3.3	13	四川省 Sichuan Province	
	22	02										



180	21	19-36-09.4	51.32N	174.24W	28			5.0	0.9	31	安德烈亚诺夫群岛 Andreanof Islands	
	22	03										
181	21	21-33-26.6	51.39N	174.12W	39			4.7	1.0	21	安德烈亚诺夫群岛 Andreanof Islands	
	22	05										
182	22	00-35-57.1	19.84S	133.83E	4	6.2	6.5	6.3	6.1	1.1	94	澳北区 Northern Territory, Australia
	22	08										
183	22	03-57-24.9	19.80S	133.92E	7	6.2	6.6	6.4	6.1	1.2	103	澳北区 Northern Territory, Australia
	22	11										
184	22	04-18-47.3	20.04S	133.54E	6			5.1	1.3	18	澳北区 Northern Territory, Australia	
	22	12										
185	22	12-04-57.7	19.76S	133.94E	5	6.6	6.7	6.7	6.5	0.9	95	澳北区 Northern Territory, Australia
	22	20										
186	22	12-39-33.3	20.18S	133.63E	5			4.9	1.4	19	澳北区 Northern Territory, Australia	
	22	20										
187	22	18-03-56.8	4.47S	144.06E	130			5.0	1.0	71	新几内亚 New Guinea	
	23	02										
188	22	18-48-05.9	41.59N	79.38E	14	3.9	4.3	4.6	2.3	18	吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	23	02										
189	22	20-54-02.0	19.87S	134.03E	4	5.4	6.0	4.9	5.8	0.9	85	澳北区 Northern Territory, Australia
	23	04										
190	22	21-18-31.8	51.49N	174.26W	30			4.5	5.0	1.0	35	安德烈亚诺夫群岛 Andreanof Islands
	23	05										
191	22	23-13-30.4	19.46S	168.75E	61			5.0	1.6	27	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	23	07										
192	23	00-27-05.1	51.27N	174.20W	36			4.6	1.6	20	安德烈亚诺夫群岛 Andreanof Islands	
	23	08										
193	23	00-52-40.7	51.38N	174.29W	36			5.0	1.0	33	安德烈亚诺夫群岛 Andreanof Islands	
	23	08										
194	23	02-45-34.3	51.41N	174.39W	43			4.7	5.5	1.0	75	安德烈亚诺夫群岛 Andreanof Islands
	23	10										
195	23	07-16-26.3	45.01N	79.35E	10	3.5			3.8	9	哈萨克东部 Eastern Kazakhstan	
	23	15										
196	23	08-57-60.0	1.77N	127.21E	103		6.1	5.6	0.8	99	马鲁古海峡 Molucca Passage	
	23	16										
197	23	11-45-43.7	46.33N	153.36E	31	5.6	5.8	5.3	5.7	1.1	98	千岛群岛地区 Kurile Islands region
	23	19										
198	23	15-37-28.6	29.52N	81.56E	29	3.5		4.7	1.9	36	尼泊尔 Nepal	
	23	23										
199	23	15-20-54.1	31.52N	103.10E	6	3.8			1.8	17	四川省 Sichuan Province	
	23	23										
200	23	22-01-56.5	15.21S	116.09W	8			4.4	5.1	1.9	26	复活节岛海山 Easter Island Cordillera
	24	06										
201	23	22-48-30.0	23.57S	177.32W	204			5.3	1.2	51	斐济以南地区 South of Fiji	
	24	06										
202	24	01-00-18.5	43.47N	81.83E	7	3.1			3.8	6	新疆自治区北部 Northern Xinjiang Province	
	24	09										
203	24	14-15-23.8	26.65N	128.01E	56	5.4	5.9	5.6	1.4	101	琉球群岛 Ryukyu Islands	
	24	22										
204	24	16-00-04.4	17.74S	178.63W	567		5.8	5.7	0.9	89	斐济地区 Fiji region	
	25	00										
205	24	16-49-20.5	41.57N	79.32E	24	4.5	4.5	4.8	2.4	37	吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	25	00										



206	25	01-12-19.4	30.21N	94.82E	14	5.5	5.8	5.5	5.0	5.4	2.1	91	印度——中国边境地区 India-China border region
	25	09											
207	25	03-32-26.9	37.98N	106.20E	9	3.3					3.7	7	中国北部 Northern China
	25	11											
208	25	04-41-43.1	38.15N	106.31E	10	3.7					2.1	14	中国北部 Northern China
	25	12											
209	25	07-15-51.1	10.40S	78.00W	28				5.6	1.6		75	秘鲁海岸近海 Near coast of Peru
	25	15											
210	25	11-05-51.7	12.15S	65.80E	11				4.3	4.9	1.2	30	中印度洋海丘 Mid-Indian Rise
	25	19											
211	25	13-08-06.2	20.16S	133.83E	5				4.6	4.8	1.2	27	澳北区 Northern Territory, Australia
	25	21											
212	25	17-25-21.0	24.28N	121.73E	45	3.7					1.6	21	台湾岛 Taiwan
	26	01											
213	25	19-10-28.1	37.53N	111.93E	13	3.9					2.7	27	中国东北部 North-Eastern China
	26	03											
214	25	19-58-59.5	23.00N	121.34E	18	4.2	4.3		4.6	1.8		46	台湾岛 Taiwan
	26	03											
215	25	20-20-04.9	37.26N	141.55E	43	5.1	5.4	5.1	5.5	1.5		99	本州东海岸近海 Near east coast of Honshu
	26	04											
216	25	20-35-49.3	37.26N	141.47E	64				4.8	1.1		52	本州东海岸近海 Near east coast of Honshu
	26	04											
217	25	22-22-59.8	0.60S	127.77E	31				4.9	0.9		23	查伊洛洛贾洛洛(哈马黑拉)岛 Djailolo Gilolo (Halmahera)
	26	06											
218	26	01-42-49.6	38.03N	106.27E	17	3.7					2.8	19	中国北部 Northern China
	26	09											
219	26	02-08-28.1	5.68S	147.65E	44				4.3	5.0	1.1	63	新几内亚东部地区 Eastern New Guinea region
	26	10											
220	26	03-12-24.4	1.20S	146.04E	32						0.9	16	阿德默勒尔蒂群岛地区 Admiralty Islands region
	26	11											
221	26	05-34-54.8	43.77N	83.57E	16	3.4					1.8	7	新疆自治区北部 Northern Xinjiang Province
	26	13											
222	26	09-34-47.7	32.58N	46.96E	38	5.7	5.6	5.3	5.2	1.1		87	伊朗——伊拉克边境地区 Iran-Iraq border region
	26	17											
223	26	09-45-49.4	32.90N	47.02E	81	5.4			5.0	1.0		44	伊朗——伊拉克边境地区 Iran-Iraq border region
	26	17											
224	26	11-38-07.0	57.78N	32.63W	12	5.5			4.6	1.0		29	北大西洋 North Atlantic Ocean
	26	19											
225	26	11-59-35.2	52.36N	169.59W	19				4.7	0.8		22	福克斯群岛 Fox Islands
	26	19											
226	26	13-25-34.2	38.00N	106.10E	11	3.3					2.3	10	中国北部 Northern China
	26	21											
227	26	13-49-54.3	57.95N	32.45W	10				4.3	4.8	1.0	28	北大西洋 North Atlantic Ocean
	26	21											
228	26	14-36-29.4	32.62N	46.88E	36	4.8			4.0	4.9	1.2	35	伊朗——伊拉克边境地区 Iran-Iraq border region
	26	22											
229	26	14-49-56.7	57.98N	32.58W	11				4.8	0.7		21	北大西洋 North Atlantic Ocean
	26	22											
230	26	15-42-43.3	57.80N	32.66W	12	5.1			4.5	4.8	1.0	41	北大西洋 North Atlantic Ocean
	26	23											
231	26	16-02-25.9	20.96S	178.71W	591				4.9	1.1		31	斐济地区 Fiji region
	27	00											



232	26	16-31-21.8	57.99N	32.48W	10		4.7	1.4	40	北大西洋	
	27	00								North Atlantic Ocean	
233	26	16-56-45.0	55.84S	27.72W	118		5.3	2.9	34	南桑德韦奇群岛地区	
	27	00								South Sandwich Islands region	
234	26	19-24-25.4	57.81N	32.55W	10	5.3	4.9	5.1	0.7	59 北大西洋	
	27	03								North Atlantic Ocean	
235	26	19-32-40.6	21.63N	111.89E	23	3.5			3.8	8 中国东部	
	27	03								Eastern China	
236	26	20-38-36.8	30.03N	102.31E	13	3.3			3.9	8 四川省	
	27	04								Sichuan Province	
237	27	03-46-58.5	39.82N	45.05E	32	4.8	4.2	4.6	1.3	43 伊朗西北部——苏联边境地区	
	27	11								North-Western Iran-USSR border regio	
238	27	04-55-45.7	33.12N	104.61E	12	3.2			4.3	9 四川省	
	27	12								Sichuan Province	
239	27	07-11-54.1	8.78S	124.13E	140			5.0	1.1	37 帝汶岛	
	27	15								Timor	
240	27	07-44-13.3	32.69N	46.92E	34		3.7	5.0	1.4	39 伊朗——伊拉克边境地区	
	27	15								Iran-Iraq border region	
241	27	11-27-16.6	20.05S	133.59E	5			5.1	1.2	50 澳北区	
	27	19								Northern Territory, Australia	
242	27	11-56-27.0	57.87N	32.58W	10		4.4	4.7	0.7	41 北大西洋	
	27	19								North Atlantic Ocean	
243	27	12-04-14.4	57.58N	32.66W	12		3.7	4.6	1.3	30 北大西洋	
	27	20								North Atlantic Ocean	
244	27	12-43-03.8	17.75S	178.37W	557			4.7	1.2	21 斐济地区	
	27	20								Fiji region	
245	27	13-05-00.7	32.63N	46.83E	40	4.8		4.9	1.0	47 伊朗——伊拉克边境地区	
	27	21								Iran-Iraq border region	
246	27	17-21-25.8	2.56S	126.90E	51		3.6	5.1	1.6	37 布鲁岛	
	28	01								Buru	
247	27	19-16-44.6	57.96N	32.59W	10	5.2	5.8	5.1	5.1	0.8	71 北大西洋
	28	03									North Atlantic Ocean
248	27	19-20-18.6	57.95N	32.51W	10	5.3		4.9	0.7	27 北大西洋	
	28	03									North Atlantic Ocean
249	27	22-38-52.9	43.71N	84.11E	11	3.0			1.3	7 新疆自治区北部	
	28	06									Northern Xinjiang Province
250	28	00-29-51.2	3.47S	149.63E	46	5.1	5.2	5.0	5.2	1.3	54 俾斯麦海
	28	08									Bismarck Sea
251	28	01-34-49.0	32.60N	46.82E	49		3.7	4.7	1.0	33 伊朗——伊拉克边境地区	
	28	09									Iran-Iraq border region
252	28	03-19-48.5	6.36S	130.64E	68			5.0	0.9	37 班达海	
	28	11									Banda Sea
253	28	05-03-07.6	32.55N	46.89E	33	4.9		4.7	1.3	31 伊朗——伊拉克边境地区	
	28	13									Iran-Iraq border region
254	28	09-10-34.6	3.74S	149.39E	64			4.9	1.7	34 俾斯麦海	
	28	17									Bismarck Sea
255	28	10-40-15.0	11.47S	114.80E	32			5.0	1.2	49 巴厘以南地区	
	28	18									South of Bali
256	28	11-20-07.4	5.29N	126.31E	43	5.6	6.0	5.5	5.5	1.0	94 塔劳群岛
	28	19									Talau Islands
257	28	14-26-22.6	5.36N	126.42E	31				1.3	16 塔劳群岛	
	28	22									Talau Islands



258	28	15-48-07.6	32.27N	20.98E	11		4.8	4.8	1.1	68	利比亚海岸近海 Near coast of Libya	
	28	23										
259	28	21-08-53.4	28.07N	53.81E	21	5.1	5.4	4.4	4.9	1.2	80 伊朗南部 Southern Iran	
	29	05										
260	28	21-31-33.3	35.86N	122.05E	9	3.6				4.1	6 黄海 Yellow Sea	
	29	05										
261	28	22-28-39.9	40.50N	123.38E	10	3.4	3.7			2.3	16 中国东北部 North-Eastern China	
	29	06										
262	28	22-37-00.1	40.61N	123.40E	13	3.8	3.8			2.3	19 中国东北部 North-Eastern China	
	29	06										
263	29	01-04-02.4	39.68N	95.51E	10	3.1	4.1			4.0	9 甘肃省 Gansu Province	
	29	09										
264	29	02-39-17.4	45.49N	151.74E	43	6.0	5.9	5.6	5.5	1.2	101 千岛群岛地区 Kurile Islands region	
	29	10										
265	29	06-28-01.4	45.45N	151.76E	44	4.6				5.2	1.4	70 千岛群岛地区 Kurile Islands region
	29	14										
266	29	10-19-30.3	19.93S	133.82E	4					5.6	1.1	76 澳北区 Northern Territory, Australia
	29	18										
267	29	15-29-29.5	27.99N	53.79E	33					4.7	1.3	41 伊朗南部 Southern Iran
	29	23										
268	29	16-22-07.1	27.15N	101.01E	10	3.5				2.8		18 云南省 Yunnan Province
	30	00										
269	29	16-29-23.3	1.13S	146.04E	33					5.2	1.4	48 阿德默勒尔蒂群岛地区 Admiralty Islands region
	30	00										
270	29	16-48-01.0	15.32S	174.08W	106		5.8			5.6	1.1	69 汤加 Tonga
	30	00										
271	29	21-01-24.6	23.42N	120.70E	22	4.3	4.3			3.9	2.1	32 台湾岛 Taiwan
	30	05										
272	29	21-18-46.9	36.61N	140.73E	82	3.8				1.4		66 本州东海岸近海 Near east coast of Honshu
	30	05										
273	30	00-21-31.7	38.46N	91.40E	12	4.0				2.8		11 新疆维吾尔自治区南部 Southern Xinjiang Province
	30	08										
274	30	03-56-42.6	46.32S	96.00E	10	5.5	5.6	5.4	5.3	1.3		31 东南印度洋海岭 South-East Indian Ridge
	30	11										
275	30	04-48-41.4	22.87N	102.99E	12	4.0				3.4		18 云南省 Yunnan Province
	30	12										
276	30	05-26-42.1	23.85N	121.81E	15	3.7	3.8			4.8	2.3	28 台湾岛 Taiwan
	30	13										
277	30	14-30-39.0	12.91N	93.43E	77					4.8	1.2	51 安达曼群岛地区 Andaman Islands region
	30	22										
278	31	14-05-04.8	40.28N	79.44E	16	3.5				2.9		7 新疆维吾尔自治区南部 Southern Xinjiang Province
	31	22										
279	31	15-42-27.3	16.62S	174.07W	117					5.4	1.2	51 汤加 Tonga
	31	23										
280	31	16-58-48.6	31.62N	116.45E	13	3.3				3.0		14 中国东部 Eastern China
	1	00										
281	31	17-51-57.1	34.28N	141.46E	40					4.8	1.0	29 本州以南地区 South of Honshu
	1	01										
282	31	18-51-41.8	67.84N	10.10E	10					4.3	0.7	21 挪威海 Norwegian Sea
	1	02										





283	1	09-01-45.4	1.19S	145.96E	11	5.6	5.9	5.5	5.4	1.4	95	阿德默勒尔蒂群岛地区 Admiralty Islands region
	1	17										
284	1	09-24-45.8	1.30S	145.78E	32				4.6	1.4	16	阿德默勒尔蒂群岛地区 Admiralty Islands region
	1	17										
285	1	12-23-03.5	21.11S	174.28W	34	5.3		5.0	5.4	1.2	53	汤加 Tonga
	1	20										
286	1	12-39-59.2	6.03S	150.72E	40				5.0	1.0	31	新不列颠地区 New Britain region
	1	20										
287	1	13-28-31.5	44.72N	149.39E	37				4.5	1.5	36	千岛群岛 Kurile Islands
	1	21										
288	1	13-32-53.1	24.46S	70.38W	28				5.2	2.6	41	智利北部海岸近海 Near coast of Northern Chile
	1	21										
289	1	18-11-42.7	25.82N	102.80E	17	3.5			4.3	2.8	18	云南省 Yunnan Province
	2	02										
290	2	06-01-43.0	39.74N	118.25E	13	3.5				2.2	17	中国东北部 North-Eastern China
	2	14										
291	2	15-58-49.4	45.31N	150.20E	52				5.2	1.2	64	千岛群岛 Kurile Islands
	2	23										
292	2	21-03-22.8	59.54S	26.36W	32				4.8	2.3	16	南桑德韦奇群岛地区 South Sandwich Islands region
	3	05										
293	2	21-11-06.2	0.92N	126.08E	62				4.8	1.1	29	马鲁古海峡 Molucca Passage
	3	05										
294	2	22-30-14.1	1.85N	127.25E	98				5.3	0.8	88	马鲁古海峡 Molucca Passage
	3	06										
295	3	02-09-43.6	59.46S	25.48W	27				4.9	2.4	20	南桑德韦奇群岛地区 South Sandwich Islands region
	3	10										
296	3	04-19-41.1	16.40N	148.12E	39				4.8	1.2	28	马里亚纳群岛地区 Marianas region
	3	12										
297	3	05-42-58.8	34.81N	140.12E	89				4.9	1.7	71	本州南海岸近海 Near south coast of Honshu
	3	13										
298	3	07-05-26.0	27.80N	142.76E	37	4.3			4.9	1.1	53	小笠原群岛地区 Bonin Islands region
	3	15										
299	3	09-43-49.0	51.50N	161.24E	40	5.1	5.4	4.5	5.1	1.3	74	堪察加东海岸远海 Off east coast of Kamchatka
	3	17										
300	3	10-49-32.1	43.44N	138.73E	267				4.7	1.0	52	日本海东部 Eastern Sea of Japan
	3	18										
301	3	17-34-52.7	27.84N	142.75E	38	4.9	5.6	5.0	5.2	1.0	88	小笠原群岛地区 Bonin Islands region
	4	01										
302	3	20-24-53.6	8.95S	66.71E	7	5.5		5.1	5.1	1.9	55	中印度洋海丘 Mid-Indian Rise
	4	04										
303	4	02-35-56.8	50.64N	173.59E	27	5.1			5.0	1.0	43	阿留申群岛地区 Aleutian Islands region
	4	10										
304	4	02-44-29.0	53.00N	159.75E	31	4.9	5.5	5.0	5.4	0.9	73	堪察加东海岸远海 Off east coast of Kamchatka
	4	10										
305	4	06-18-39.8	40.36N	77.68E	20	4.0				1.8	14	新疆自治区南部 Southern Xinjiang Province
	4	14										
306	4	16-52-54.1	36.63N	106.21E	11	3.5				1.9	20	中国北部 Northern China
	5	00										
307	5	00-05-36.9	52.79N	87.67E	33	4.4			4.3	1.1	30	中俄罗斯 Central Russia
	5	08										
308	5	03-25-31.2	9.22S	124.11E	77	5.1	5.8		5.5	1.2	88	帝汶岛 Timor
	5	11										



309	5	08-04-34.1	13.01N	145.87E	70	5.0	5.7	5.5	0.9	95	马里亚纳群岛以南地区 South of the Marianas	
	5	16										
310	5	11-41-06.2	45.62N	151.48E	47			4.7	1.0	31	千岛群岛 Kurile Islands	
	5	19										
311	5	13-44-47.1	18.10S	178.12W	614			5.2	0.9	61	斐济地区 Fiji region	
	5	21										
312	5	14-01-02.6	24.69S	70.30W	32	7.2	6.7	6.7	6.2	1.4	99	智利北部海岸近海 Near coast of Northern Chile
	5	22										
313	5	16-47-09.5	34.78N	80.56E	32	4.4		4.3	1.7	23	西藏自治区 Tibet	
	6	00										
314	5	18-49-32.1	24.82S	70.53W	29	6.4	6.2	6.1	6.0	1.3	85	智利北部海岸远海 Off coast of Northern Chile
	6	02										
315	5	20-11-18.7	34.26N	102.74E	11		3.2			2.6	15	四川省 Sichuan Province
	6	04										
316	6	02-32-03.2	4.60S	153.27E	29			4.7	5.3	1.1	78	新不列颠地区 New Britain region
	6	10										
317	6	04-19-10.2	49.91N	78.23E	34		4.4		4.8	1.7	23	哈萨克东部 Eastern Kazakhstan
	6	12										
318	6	05-23-57.4	16.64S	124.71E	10				5.2	1.1	68	西澳大利亚州 Western Australia
	6	13										
319	6	14-50-44.3	24.76N	91.54E	31	6.0	6.1	5.8	5.8	1.5	105	印度—孟加拉边境地区 India-Bangladesh border region
	6	22										
320	6	15-15-40.3	6.55S	131.96E	38	5.6	6.2	5.6	5.9	0.9	98	塔宁巴尔群岛地区 Tanimbar Islands region
	6	23										
321	6	16-15-54.4	38.86N	76.35E	19		3.4			3.8	6	新疆维吾尔自治区南部 Southern Xinjiang Province
	7	00										
322	6	17-47-05.1	3.22S	148.90E	10				4.6	1.7	20	俾斯麦海 Bismarck Sea
	7	01										
323	6	18-03-54.4	17.83S	67.05W	276			6.0	6.0	1.7	96	玻利维亚 Bolivia
	7	02										
324	6	21-30-04.2	16.13S	173.79W	126			6.0	5.8	0.9	81	汤加 Tonga
	7	05										
325	7	03-33-15.5	17.58S	167.86E	13			4.3	5.4	1.7	24	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	7	11										
326	7	04-05-30.9	17.49S	167.99E	26	5.4		4.9	5.3	0.9	50	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	7	12										
327	7	08-46-56.6	60.39N	153.36W	143			6.1	5.6	0.8	97	阿拉斯加州南部 Southern Alaska
	7	16										
328	7	11-13-17.5	22.94S	69.22E	10			4.8	4.8	1.8	22	中印度洋海丘 Mid-Indian Rise
	7	19										
329	7	16-24-26.0	38.31N	89.04E	9		4.0			2.8	10	新疆维吾尔自治区南部 Southern Xinjiang Province
	8	00										
330	7	16-43-05.7	2.67N	129.04E	35				4.8	1.5	16	查伊洛洛贾洛洛(哈马黑拉)岛 Djailolo Gilolo (Halmahera)
	8	00										
331	7	18-15-04.5	50.90N	173.36E	31	6.4	6.4	6.0	6.2	0.9	99	阿留申群岛地区 Aleutian Islands region
	8	02										
332	8	11-44-16.8	38.04N	106.25E	9		3.2			1.8	11	中国北部 Northern China
	8	19										
333	8	13-51-33.1	17.78N	100.89W	53	6.1			5.5	1.5	46	墨西哥格雷罗海岸近海 Near coast of Guerrero, Mexico
	8	21										
334	8	15-57-01.1	24.78S	70.43W	33	5.8	5.8	5.2	5.6	2.0	66	智利北部海岸近海 Near coast of Northern Chile
	8	23										



335	8	17-49-20.9	43.83N	84.00E	11	4.4		4.3	2.5	26	新疆自治区北部 Northern Xinjiang Province	
	9	01										
336	8	18-54-43.4	6.11S	103.78E	53	4.9		4.8	1.1	67	苏门答腊西南以远地区 South-west of Sumatera	
	9	02										
337	9	02-22-31.0	18.60N	62.92W	49			5.0	5.3	1.5	38 背风群岛 Leeward Islands	
	9	10										
338	9	12-48-39.0	14.89S	172.13W	27			4.7	2.2	16	萨摩亚地区 Samoa region	
	9	20										
339	9	20-27-09.1	52.85N	160.44E	33			5.1	1.0	27	堪察加东海岸远海 Off east coast of Kamchatka	
	10	04										
340	9	23-26-40.9	12.19N	144.18E	30			4.5	5.1	1.5	45 马里亚纳群岛以南地区 South of the Marianas	
	10	07										
341	9	23-56-34.3	14.56N	53.38E	10	4.8		4.7	1.0	33	亚丁湾东部 Eastern Gulf of Aden	
	10	07										
342	10	01-51-47.3	36.99N	114.72E	16	3.1			2.3	7	中国东部 Eastern China	
	10	09										
343	10	07-09-41.6	0.52N	98.63E	64			5.1	1.1	71	苏门答腊北部 Northern Sumatera	
	10	15										
344	11	02-56-10.2	35.44S	102.04W	5			5.3	5.3	3.1	28 太平洋南部 Southern Pacific Ocean	
	11	10										
345	11	11-29-48.5	39.73N	74.71E	30	4.1			3.5	10	新疆自治区南部 Southern Xinjiang Province	
	11	19										
346	11	15-32-26.1	52.85N	160.30E	32	4.5		5.0	1.2	27	堪察加东海岸远海 Off east coast of Kamchatka	
	11	23										
347	11	23-41-00.4	6.82S	149.58E	20			5.1	3.0	21	新不列颠地区 New Britain region	
	12	07										
348	12	01-20-17.6	46.47N	143.00E	336			4.4	1.3	50	北海道地区 Hokkaido region	
	12	09										
349	12	01-41-15.1	30.54N	82.88E	32	4.5		4.6	1.5	38	西藏自治区 Tibet	
	12	09										
350	12	05-23-56.1	30.07N	113.71W	9	5.6		5.4	5.3	1.1	27	下加利福尼亚 Lower California
	12	13										
351	12	05-54-15.3	30.16N	111.55E	9	4.1	4.3		2.8	33	中国东部 Eastern China	
	12	13										
352	12	16-17-57.4	28.66N	95.59E	14	4.7			3.7	12	印度——中国边境地区 India-China border region	
	13	00										
353	12	16-20-27.6	35.50N	140.58E	56	4.5	5.4	5.2	1.7	83	本州东海岸近海 Near east coast of Honshu	
	13	00										
354	12	19-15-32.4	23.86N	122.53E	15	5.9	5.1	5.7	5.3	5.6	1.5	106 台湾地区 Taiwan region
	13	03										
355	12	20-02-24.4	5.39N	126.08E	98			5.1	1.0	70	塔劳群岛 Talaud Islands	
	13	04										
356	13	02-03-39.4	41.38N	79.50E	28	3.3			3.9	6	新疆自治区南部 Southern Xinjiang Province	
	13	10										
357	13	02-44-53.7	23.92N	122.68E	33	4.4	4.5	4.1	2.4	39	台湾地区 Taiwan region	
	13	10										
358	13	03-05-05.2	49.94N	78.87E	0	5.0	5.6	4.5	6.1	1.1	86	哈萨克东部 Eastern Kazakhstan
	13	11										
359	13	03-15-37.1	22.29S	68.21W	127			5.1	2.8	27	智利北部 Northern Chile	
	13	11										
360	13	15-05-31.1	25.71S	176.53W	34			4.2	5.2	0.6	28	斐济以南地区 South of Fiji
	13	23										



361	13	17-48-44.7	5.98S	105.43E	53	4.8	4.8	5.2	1.8	44	巽他海峡 Sunda Strait		
	14	01											
362	13	21-51-48.3	0.01N	123.73E	166			5.0	1.2	51	米那哈沙半岛(西里伯斯) Minahassa Peninsula (Celebes)		
	14	05											
363	13	23-56-57.3	50.72N	173.54E	34	4.7	5.5	5.2	1.1	69	阿留申群岛地区 Aleutian Islands region		
	14	07											
364	14	00-48-42.6	21.73N	143.02E	311		5.1	5.3	1.0	94	马里亚纳群岛地区 Marianas region		
	14	08											
365	14	03-42-51.5	7.83N	124.66E	56	4.5	3.8	5.1	0.9	53	棉兰老岛 Mindanao		
	14	11											
366	14	05-08-02.5	6.19S	153.99E	24	5.2	4.7	5.1	1.2	65	新不列颠地区 New Britain region		
	14	13											
367	14	09-03-23.0	23.92N	122.57E	33	4.0	4.0	4.2	1.9	28	台湾地区 Taiwan region		
	14	17											
368	14	09-06-40.8	23.97N	122.70E	33	4.1	4.0	4.1	1.7	34	台湾地区 Taiwan region		
	14	17											
369	14	11-26-00.6	23.96N	122.63E	27	4.5	4.1	4.3	1.5	49	台湾地区 Taiwan region		
	14	19											
370	14	14-50-59.1	23.99N	122.57E	41	4.8	4.7	4.2	4.9	1.6	82	台湾地区 Taiwan region	
	14	22											
371	14	15-54-56.5	24.01N	122.58E	35	4.9	4.7	5.1	5.0	1.7	91	台湾地区 Taiwan region	
	14	23											
372	14	16-03-13.2	23.99N	122.54E	44	4.8	4.6	5.1	1.7	74	台湾地区 Taiwan region		
	15	00											
373	14	16-16-11.9	23.99N	122.55E	42	4.3	4.1	5.1	4.8	1.7	55	台湾地区 Taiwan region	
	15	00											
374	14	19-51-55.2	40.11N	100.69E	18	4.4			2.6	18	甘肃省 Gansu Province		
	15	03											
375	15	02-19-34.1	21.47N	94.03E	66	4.3		4.7	2.4	32	缅甸 Burma		
	15	10											
376	15	18-09-58.7	37.30N	116.49W	0			5.1	5.3	1.2	45	加利福尼亚州——内华达州边境地区 California-Nevada border region	
	16	02											
377	15	18-44-20.0	13.05S	76.01W	47			5.1	3.3	22	秘鲁海岸近海 Near coast of Peru		
	16	02											
378	15	18-49-24.5	25.64S	70.33W	20			4.6	5.2	3.3	18	智利北部海岸近海 Near coast of Northern Chile	
	16	02											
379	15	19-16-09.0	59.12N	143.08W	11	4.8		4.7	5.0	1.5	35	阿拉斯加湾 Gulf of Alaska	
	16	03											
380	15	20-05-34.6	16.15S	178.32E	13			5.7	4.9	5.0	1.1	48	斐济 Fiji
	16	04											
381	16	01-02-30.6	30.03N	94.85E	32			4.7	2.9	31	印度——中国边境地区 India-China border region		
	16	09											
382	16	03-29-44.3	51.75N	174.88E	36	5.2	5.5	4.7	5.2	1.4	59	尼尔群岛 Near Islands	
	16	11											
383	16	04-22-35.0	51.68N	174.95E	33	6.1	6.1	5.7	5.9	0.9	100	尼尔群岛 Near Islands	
	16	12											
384	16	04-47-35.1	38.14N	106.21E	10	3.4			3.1	13	中国北部 Northern China		
	16	12											
385	16	05-22-07.3	29.97N	138.88E	404			4.9	0.9	83	本州以南地区 South of Honshu		
	16	13											
386	16	05-44-38.2	51.76N	174.94E	34	5.3	5.8	5.0	5.5	1.2	74	尼尔群岛 Near Islands	
	16	13											



387	16	06-05-48.9	51.77N	174.93E	34					1.1	35	尼尔群岛	
	16	14										Near Islands	
388	16	06-20-05.6	4.83N	126.72E	40	5.2		5.0	5.1	1.6	82	塔劳群岛	
	16	14										Talau Islands	
389	16	09-16-56.1	5.37S	103.06E	55			4.5	5.3	1.1	52	苏门答腊南部	
	16	17										Southern Sumatera	
390	16	12-44-45.6	28.05N	53.65E	51	4.5		4.4	4.9	0.9	67	伊朗南部	
	16	20										Southern Iran	
391	16	20-00-47.3	32.15N	103.69E	3		3.0			2.8	13	四川省	
	17	04										Sichuan Province	
392	16	21-42-29.3	18.35S	168.44E	45			4.2	5.1	1.8	25	瓦努阿图(新赫布里底)	
	17	05										Vanuatu (New Hebrides)	
393	17	02-04-36.3	39.49N	74.05E	7		3.8			2.1	8	塔吉克——新疆边境地区	
	17	10										Tadzhikistan-Xinjiang border region	
394	17	03-06-32.5	14.19N	119.62E	33	4.3			4.5	1.0	18	菲律宾群岛地区	
	17	11										Philippine Islands region	
395	17	03-46-32.4	4.89S	152.32E	61				4.8	1.4	29	新不列颠地区	
	17	11										New Britain region	
396	17	05-22-23.8	51.75N	174.70E	37	5.5		5.7	5.0	5.2	1.1	71	尼尔群岛
	17	13										Near Islands	
397	17	06-30-12.9	27.17N	92.23E	43	4.6			4.8	1.5	70	印度东部	
	17	14										Eastern India	
398	17	07-12-17.3	38.07N	106.31E	13		3.3			3.0	14	中国北部	
	17	15										Northern China	
399	17	07-15-05.7	51.70N	174.75E	36	5.4		5.6	4.9	5.4	0.9	79	尼尔群岛
	17	15										Near Islands	
400	17	07-53-13.7	51.61N	174.78E	36	4.8			5.2	1.2	34	尼尔群岛	
	17	15										Near Islands	
401	17	09-28-50.5	46.70N	152.78E	32				5.0	1.0	50	千岛群岛	
	17	17										Kurile Islands	
402	17	10-09-22.8	27.71N	54.30E	43	4.7		4.3	4.6	1.3	47	伊朗南部	
	17	18										Southern Iran	
403	17	10-51-41.3	28.67N	96.06E	10		4.0			3.3	17	印度——中国边境地区	
	17	18										India-China border region	
404	17	12-12-02.5	4.65S	153.16E	49				5.2	1.2	41	新不列颠地区	
	17	20										New Britain region	
405	17	12-18-44.8	10.74S	117.39E	53				3.2	1.3	21	松巴哇以南地区	
	17	20										South of Sumbawa	
406	17	14-06-15.3	53.11N	35.16W	10			4.6	5.0	1.9	29	北大西洋	
	17	22										North Atlantic Ocean	
407	17	23-39-24.6	3.87N	126.53E	20	5.3		5.7	5.2	5.5	1.0	95	塔劳群岛
	18	07										Talau Islands	
408	18	00-22-14.1	26.02S	179.39E	496				5.1	1.0	28	斐济以南地区	
	18	08										South of Fiji	
409	18	05-04-07.6	25.94N	127.68E	48	4.4			5.0	2.0	65	琉球群岛	
	18	13										Ryukyu Islands	
410	18	05-58-52.4	3.81N	126.64E	60	4.5			5.0	1.0	67	塔劳群岛	
	18	13										Talau Islands	
411	18	08-53-35.6	11.90S	166.21E	38				5.0	1.3	45	圣克鲁斯群岛	
	18	16										Santa Cruz Islands	
412	18	11-19-36.8	17.31S	171.84W	40			4.4	5.0	1.1	23	汤加地区	
	18	19										Tonga region	



413	18	13-52-35.3	23.49S	67.72W	132			5.7	1.6	80	智利北部
	18	21									Northern Chile
414	18	14-33-23.2	38.79N	70.81E	88	4.3		4.7	2.0	33	阿富汗——苏联边境地区
	18	22									Afghanistan-USSR border region
415	18	14-47-10.4	3.71N	126.72E	36	4.3		5.0	1.1	69	塔劳群岛
	18	22									Talau Islands
416	18	18-14-11.4	27.67N	54.51E	33			4.4	1.5	19	伊朗南部
	19	02									Southern Iran
417	18	18-30-16.7	35.95N	81.12E	13	4.3	4.0		1.7	11	克什米尔——西藏边境地区
	19	02									Kashmir-Tibet border region
418	18	19-33-58.0	3.63N	126.56E	45			4.6	0.8	33	塔劳群岛
	19	03									Talau Islands
419	18	20-00-16.6	3.79N	126.58E	33	4.4		5.1	0.9	71	塔劳群岛
	19	04									Talau Islands
420	19	02-33-50.8	51.62N	174.76E	32			4.9	1.0	42	尼尔群岛
	19	10									Near Islands
421	19	04-15-12.0	7.47S	128.23E	167			5.5	1.0	88	班达海
	19	12									Banda Sea
422	19	11-39-22.4	43.08N	146.06E	32			4.9	1.4	50	北海道地区
	19	19									Hokkaido region
423	19	14-07-44.4	33.38N	137.48E	372			4.5	0.9	65	四国东南以远地区
	19	22									South-east of Shikoku
424	19	17-45-00.3	33.54N	94.94E	32	4.4		4.9	1.7	74	青海省
	20	01									Qinghai Province
425	19	19-07-42.6	10.16S	161.48E	93		5.7	5.4	1.1	83	所罗门群岛
	20	03									Solomon Islands
426	19	22-37-10.7	52.85N	158.22E	122		5.3	5.2	0.8	68	堪察加半岛
	20	06									Kamchatka
427	19	23-17-14.2	18.37N	95.02E	67	4.8	5.3	5.2	1.5	87	缅甸
	20	07									Burma
428	20	01-25-57.4	7.17S	127.02E	312		6.2	5.8	1.0	97	班达海
	20	09									Banda Sea
429	20	12-51-34.0	6.09N	125.71E	140			4.4	1.2	10	棉兰老岛
	20	20									Mindanao
430	20	15-27-10.1	36.40N	141.78E	22	3.5	4.0	4.6	2.8	23	本州东海岸近海
	20	23									Near east coast of Honshu
431	20	22-11-59.0	46.86N	152.54E	49	5.0	5.4	5.6	1.0	88	千岛群岛
	21	06									Kurile Islands
432	21	01-05-13.4	28.90N	139.40E	437			4.5	0.9	66	小笠原群岛地区
	21	09									Bonin Islands region
433	21	01-32-57.4	10.40N	125.51E	33	5.0	4.7	5.1	1.8	68	棉兰老岛
	21	09									Mindanao
434	21	05-20-17.2	15.78S	172.72W	64			5.0	1.0	24	汤加
	21	13									Tonga
435	21	08-34-18.4	15.12S	173.24W	33			5.1	1.1	29	汤加
	21	16									Tonga
436	21	09-22-12.4	6.88S	129.37E	148		5.6	5.4	1.0	76	班达海
	21	17									Banda Sea
437	21	10-27-37.8	40.30N	121.37E	32	4.3			2.7	27	中国东北部
	21	18									North-Eastern China
438	21	11-26-18.3	40.06N	80.61E	10	3.4			4.4	5	新疆自治区南部
	21	19									Southern Xinjiang Province



439	21	16-45-41.7	4.85N	126.61E	29						4.4	1.3	21	塔劳群岛 Talaud Islands	
	22	00													
440	21	16-55-19.6	13.38N	146.01E	57	5.3	5.8	5.3	5.5	0.8			92	马里亚纳群岛以南地区 South of the Marianas	
	22	00													
441	21	19-03-22.0	11.89N	86.73W	40						5.2	1.5	32	尼加拉瓜海岸近海 Near coast of Nicaragua	
	22	03													
442	22	08-45-45.2	4.54S	102.63E	76	4.5					5.3	1.3	80	苏门答腊南部 Southern Sumatera	
	22	16													
443	22	14-51-53.8	27.27N	53.20E	68	5.1					4.8	0.9	41	波斯湾 Persian Gulf	
	22	22													
444	22	15-42-03.5	52.76N	173.53W	32						4.7	1.3	23	安德烈亚诺夫群岛 Andreanof Islands	
	22	23													
445	22	17-25-02.1	42.56N	85.10E	5	3.6						2.1	7	新疆自治区北部 Northern Xinjiang Province	
	23	01													
446	22	18-30-45.8	17.18N	120.00E	52	3.7					4.8	2.2	55	吕宋岛 Luzon	
	23	02													
447	22	19-13-18.3	20.78S	69.76W	70	6.6	6.4			5.9	1.5		97	智利北部海岸近海 Near coast of Northern Chile	
	23	03													
448	23	01-58-44.4	60.65S	159.94E	32	5.8		5.6	5.6	1.7			27	巴勒尼群岛地区 Balleny Islands region	
	23	09													
449	23	06-41-06.1	27.15N	53.30E	33	4.7					4.8	1.3	42	波斯湾 Persian Gulf	
	23	14													
450	23	16-06-24.0	2.03N	126.94E	70	4.6					5.0	1.5	64	马鲁古海峡 Molucca Passage	
	24	00													
451	24	01-56-31.2	1.38N	126.19E	74	4.9					5.3	1.1	80	马鲁古海峡 Molucca Passage	
	24	09													
452	24	02-54-21.6	51.72N	176.77W	60	4.9	5.6			5.5	0.9		66	安德烈亚诺夫群岛 Andreanof Islands	
	24	10													
453	24	03-24-36.7	26.05N	95.64E	94						4.5	1.6	48	缅甸—印度边境地区 Burma-India border region	
	24	11													
454	24	03-52-02.9	13.54N	124.73E	24	7.0	6.7	7.0	6.0	1.2			94	吕宋岛 Luzon	
	24	11													
455	24	05-36-58.7	13.22N	125.03E	35						4.7	1.6	22	萨马岛 Samar	
	24	13													
456	24	06-11-28.0	46.70N	152.80E	35						5.0	1.4	36	千岛群岛 Kurile Islands	
	24	14													
457	24	08-44-34.8	13.29N	124.84E	35	5.5	5.8			4.4	1.4		72	萨马岛 Samar	
	24	16													
458	24	08-44-53.5	13.44N	124.89E	31	5.6	5.7	5.6	5.2	1.4			35	萨马岛 Samar	
	24	16													
459	24	10-42-34.9	50.74N	173.60E	33						5.0	1.2	37	阿留申群岛地区 Aleutian Islands region	
	24	18													
460	24	14-07-28.8	23.39N	94.07E	73						4.9	1.6	40	缅甸—印度边境地区 Burma-India border region	
	24	22													
461	24	14-58-34.8	13.45N	124.82E	37						4.5	1.4	34	萨马岛 Samar	
	24	22													
462	24	15-43-14.1	0.50S	91.60W	10						4.5	5.5	2.4	54	加拉帕戈斯群岛地区 Galapagos Islands region
	24	23													
463	24	17-18-00.6	13.47N	124.74E	32	5.1	5.5	5.3	5.0	1.2			89	萨马岛 Samar	
	25	01													
464	24	19-17-07.4	27.20N	101.00E	18	3.5						3.0	20	云南省 Yunnan Province	
	25	03													



465	25	03-53-09.7	0.33S	126.15E	33			4.8	1.0	48	马鲁古海
	25	11									Molucca Sea
466	25	05-59-27.0	42.40N	122.51E	26	4.1	5.0	4.4	1.7	54	中国东北部
	25	13									North-Eastern China
467	25	06-40-39.1	30.07N	69.80E	32	4.5		4.4	4.7	1.7	56 巴基斯坦
	25	14									Pakistan
468	25	11-45-05.4	41.80N	133.66E	477			4.4	0.8	40	日本海
	25	19									Sea of Japan
469	25	14-22-09.9	21.27S	173.80W	54			4.5	4.7	1.1	24 汤加
	25	22									Tonga
470	26	02-31-19.8	18.00S	69.66W	113			5.2	1.5	54	智利北部海岸近海
	26	10									Near coast of Northern Chile
471	26	06-17-29.9	37.34S	47.84E	8	7.1	6.9	6.7	6.1	1.3	92 大西洋——印度洋海岭
	26	14									Atlantic-Indian Ridge
472	26	09-30-08.7	37.33S	47.81E	10			4.9	0.6	12	大西洋——印度洋海岭
	26	17									Atlantic-Indian Ridge
473	26	09-55-35.2	17.86S	171.93W	33	5.2	5.7	5.3	5.5	0.9	56 汤加地区
	26	17									Tonga region
474	26	11-50-31.8	36.34N	68.76E	36	4.8	5.1	4.0	4.7	1.9	35 兴都库什地区
	26	19									Hindu Kush region
475	26	12-54-48.9	36.28N	81.14E	7		4.5			2.2	11 克什米尔——西藏边境地区
	26	20									Kashmir-Tibet border region
476	26	13-42-25.9	37.19S	47.74E	9	5.3		5.2	5.5	1.5	40 大西洋——印度洋海岭
	26	21									Atlantic-Indian Ridge
477	26	17-52-33.2	37.29S	47.79E	9			5.2	5.4	1.3	35 大西洋——印度洋海岭
	27	01									Atlantic-Indian Ridge
478	27	05-32-55.0	37.33S	47.98E	10			4.5	5.3	0.8	26 大西洋——印度洋海岭
	27	13									Atlantic-Indian Ridge
479	27	07-28-27.3	5.30S	131.14E	32	5.2		5.1	0.8	69	班达海
	27	15									Banda Sea
480	27	07-50-01.4	47.92N	154.73E	16	4.6		4.5	4.9	1.2	28 千岛群岛
	27	15									Kurile Islands
481	27	10-14-02.3	9.25S	114.22E	69			5.1	1.5	31	爪哇以南地区
	27	18									South of Java
482	27	10-51-30.0	24.34S	177.33W	176			4.9	1.1	19	斐济以南地区
	27	18									South of Fiji
483	27	13-33-09.7	40.37N	77.38E	3		3.8			3.6	8 新疆自治区南部
	27	21									Southern Xinjiang Province
484	27	13-46-16.9	20.73S	173.90W	28	5.3	5.9	5.3	5.2	1.6	50 汤加
	27	21									Tonga
485	27	16-23-34.2	59.96S	27.79W	76			4.7	2.3	17	南桑德韦奇群岛地区
	28	00									South Sandwich Islands region
486	27	17-45-22.6	13.32N	125.35E	49			4.7	1.7	27	萨马岛
	28	01									Samar
487	27	20-22-49.3	13.53N	125.02E	74	4.4		4.8	1.1	57	吕宋岛
	28	04									Luzon
488	27	23-14-50.8	1.41N	126.34E	83			4.9	1.1	43	马鲁古海峡
	28	07									Molucca Passage
489	28	01-35-33.8	6.86S	130.49E	101			5.1	0.9	54	班达海
	28	09									Banda Sea
490	28	03-19-34.6	11.07N	93.44E	120		5.5	5.1	1.1	70	安达曼群岛地区
	28	11									Andaman Islands region



491	28	05-01-03.3	16.59N	119.92E	19		4.6	3.2	17	吕宋岛		
	28	13								Luzon		
492	28	05-55-49.9	24.79N	91.53E	27	4.0	4.6	1.6	38	印度—孟加拉边境地区		
	28	13								India-Bangladesh border region		
493	28	12-29-45.1	35.34N	80.85E	10	4.2		2.5	7	西藏自治区		
	28	20								Tibet		
494	29	00-03-13.0	52.07N	174.63E	30	4.9	4.7	1.7	37	尼尔群岛		
	1	08								Near Islands		
495	29	02-58-32.0	22.31S	179.46W	602		5.2	0.7	30	斐济以南地区		
	1	10								South of Fiji		
496	29	04-13-25.7	44.60N	147.95E	113		4.8	1.7	39	千岛群岛		
	1	12								Kurile Islands		
497	29	05-31-40.1	55.25N	167.30E	33	7.4	6.8	6.8	6.1	0.9	106	科曼多尔群岛地区
	1	13										Komandorsky Islands region
498	29	05-49-05.1	55.34N	166.95E	34		5.3	1.3	60	科曼多尔群岛地区		
	1	13										Komandorsky Islands region
499	29	06-17-34.0	55.20N	167.09E	35		5.0	1.0	44	科曼多尔群岛地区		
	1	14										Komandorsky Islands region
500	29	07-38-43.7	41.52N	142.19E	85		4.7	1.6	57	北海道地区		
	1	15										Hokkaido region
501	29	07-45-46.1	55.18N	167.24E	33		5.0	1.2	57	科曼多尔群岛地区		
	1	15										Komandorsky Islands region
502	29	07-49-09.8	55.09N	167.07E	33		4.6	1.2	26	科曼多尔群岛地区		
	1	15										Komandorsky Islands region
503	29	10-03-38.7	2.39N	128.73E	65	4.6	5.2	1.1	86	查伊洛洛贾洛洛(哈马黑拉)岛		
	1	18										Djailolo Gilolo (Halmahera)
504	29	11-18-22.0	24.77S	179.64E	506		4.8	1.0	28	斐济以南地区		
	1	19										South of Fiji
505	29	11-24-15.0	37.61N	72.13E	106		4.7	1.1	51	阿富汗—苏联边境地区		
	1	19										Afghanistan-USSR border region
506	29	13-36-03.9	4.68N	126.44E	33	4.6	4.9	1.4	40	塔劳群岛		
	1	21										Talau Islands
507	29	14-00-18.9	36.94N	83.39E	9	3.6		2.8	8	新疆维吾尔自治区南部		
	1	22										Southern Xinjiang Province
508	29	16-21-37.3	78.16N	6.66E	11	4.9	4.4	1.1	36	斯瓦巴德地区		
	1	00										Svalbard region
March 1988												
509	1	00-01-44.2	7.43S	128.59E	164		4.9	0.6	16	班达海		
	1	08										Banda Sea
510	1	01-53-05.0	5.48N	125.04E	48	4.9	4.8	5.1	1.6	77	西里伯斯海	
	1	09										Celebes Sea
511	1	02-13-51.5	55.86N	166.46E	38	5.5	5.4	5.0	4.9	1.8	67	科曼多尔群岛地区
	1	10										Komandorsky Islands region
512	1	15-45-37.8	40.42N	77.52E	59	4.3	4.2	1.9	16	新疆维吾尔自治区南部		
	1	23										Southern Xinjiang Province
513	1	21-49-37.8	25.18N	105.46E	19	3.0		1.5	5	云南省		
	2	05										Yunnan Province
514	2	07-13-14.7	9.94N	84.65W	22	5.8	5.1	5.0	1.8	42	哥斯达黎加海岸远海	
	2	15										Off coast of Costa Rica
515	2	08-41-57.0	19.82N	155.38W	9		4.9	1.0	29	夏威夷群岛		
	2	16										Hawaiian Islands



516	2	09-28-29.6	6.45S	104.72E	68	5.0	5.4	5.4	1.1	84	巽他海峡 Sunda Strait
	2	17									
517	2	18-42-09.8	40.97N	71.21E	48	4.6	5.0	4.1	4.9	1.2	52 塔吉克 Tadzhikistan
	3	02									
518	2	20-08-57.2	25.08N	122.29E	21	3.8	4.2		4.6	1.4	26 台湾岛 Taiwan
	3	04									
519	3	00-28-33.8	7.16S	129.34E	145				5.4	0.8	83 班达海 Banda Sea
	3	08									
520	3	03-21-19.5	23.85N	121.82E	32	5.2	4.7	4.9	4.9	1.7	92 台湾岛 Taiwan
	3	11									
521	3	03-55-23.2	35.60S	54.05E	9				4.9	0.5	19 南印度洋 South Indian Ocean
	3	11									
522	3	10-17-34.4	9.49S	113.16E	62				4.9	1.1	64 爪哇以南地区 South of Java
	3	18									
523	3	16-24-00.3	35.34S	53.99E	8				4.6	1.4	25 大西洋——印度洋海岭 Atlantic-Indian Ridge
	4	00									
524	4	03-08-15.7	17.93S	178.47W	596			5.7	5.5	0.7	78 斐济地区 Fiji region
	4	11									
525	4	03-17-56.0	16.39S	67.08E	20	5.1			4.9	3.1	24 中印度洋海丘 Mid-Indian Rise
	4	11									
526	4	04-08-34.0	42.17N	83.59E	6		3.7			2.8	9 新疆自治区南部 Southern Xinjiang Province
	4	12									
527	4	12-02-59.1	41.69N	88.46E	12		3.9			2.0	10 新疆自治区南部 Southern Xinjiang Province
	4	20									
528	4	13-51-37.4	21.72N	99.59E	30		3.9			3.2	6 缅甸——中国边境地区 Burma-China border region
	4	21									
529	5	00-56-43.8	31.54N	104.08E	17		3.2			4.4	8 四川省 Sichuan Province
	5	08									
530	5	01-58-57.7	52.25S	114.45E	10	5.4	6.0	5.3	5.6	1.1	64 东南印度洋海岭 South-East Indian Ridge
	5	09									
531	5	08-42-10.4	3.84S	137.04E	125				5.0	0.9	61 西伊里安地区 West Irian region
	5	16									
532	5	12-06-49.2	18.10S	168.39E	55			5.4	5.3	0.9	59 瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	5	20									
533	5	12-40-00.5	3.72S	151.40E	8	5.4	5.6	5.1	5.3	1.6	86 新不列颠地区 New Britain region
	5	20									
534	5	14-59-31.4	24.12S	179.85E	557				4.8	0.9	36 斐济以南地区 South of Fiji
	5	22									
535	5	18-24-46.1	17.91S	167.84E	40			4.5	4.6	1.8	32 瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	6	02									
536	6	00-05-55.4	19.99S	178.35W	590				4.9	0.7	32 斐济地区 Fiji region
	6	08									
537	6	00-59-30.7	47.54N	153.06E	116				4.4	1.2	25 千岛群岛 Kurile Islands
	6	08									
538	6	04-43-17.6	25.99N	95.41E	92				4.7	1.6	25 缅甸——印度边境地区 Burma-India border region
	6	12									
539	6	11-11-44.0	29.19N	100.82E	21		3.3			2.9	14 四川省 Sichuan Province
	6	19									
540	6	14-23-16.5	5.38S	68.69E	10	4.8		4.3	5.2	0.9	60 查戈斯群岛地区 Chagos Archipelago region
	6	22									
541	6	20-21-31.2	34.47N	87.43E	32	4.8		4.2	4.4	2.1	38 西藏自治区 Tibet
	7	04									



542	6	21-06-14.7	31.60N	104.12E	12	3.1				2.8	8	四川省
	7	05										Sichuan Province
543	6	22-33-42.0	45.64N	151.41E	41	4.9			5.7	1.0	76	千岛群岛
	7	06										Kurile Islands
544	6	22-35-35.2	57.36N	142.90W	14	8.0	7.3	7.6	6.8	1.1	148	阿拉斯加湾
	7	06										Gulf of Alaska
545	6	23-05-53.4	57.01N	143.05W	3				5.1	1.1	17	阿拉斯加湾
	7	07										Gulf of Alaska
546	6	23-14-35.6	57.78N	142.94W	15				6.2	0.9	79	阿拉斯加湾
	7	07										Gulf of Alaska
547	7	11-20-02.6	11.57S	73.96W	22				5.1	2.1	32	秘鲁
	7	19										Peru
548	7	12-51-49.2	2.31S	99.94E	29	4.8		4.2	5.0	1.1	73	苏门答腊南部
	7	20										Southern Sumatra
549	7	13-45-55.9	15.97S	172.77W	32			4.7	5.0	1.6	36	汤加
	7	21										Tonga
550	7	15-21-06.0	41.77N	152.23E	9	5.2	6.1	5.1	5.9	1.1	111	北太平洋
	7	23										North Pacific Ocean
551	7	21-13-49.0	3.56N	128.42E	33				5.0	1.4	42	塔劳群岛
	8	05										Talau Islands
552	8	09-24-24.5	45.66N	151.47E	30	4.7		4.5	5.3	1.1	77	千岛群岛
	8	17										Kurile Islands
553	8	11-02-08.3	28.65N	142.58E	37	4.6	5.2	4.5	4.9	0.9	86	小笠原群岛地区
	8	19										Bonin Islands region
554	8	15-38-25.9	2.19S	125.34E	46	5.4	5.8	5.2	5.6	1.1	97	斯兰海
	8	23										Ceram Sea
555	8	16-27-17.5	51.50N	176.75E	32	5.8	5.9	5.5	5.5	0.9	92	拉特群岛
	9	00										Rat Islands
556	8	17-36-16.7	35.93N	141.40E	42	4.2			4.4	1.8	44	本州东海岸近海
	9	01										Near east coast of Honshu
557	8	20-08-54.4	15.28N	144.92E	33				4.9	1.5	20	马里亚纳群岛
	9	04										Marianas
558	9	04-42-51.8	4.69S	131.16E	32	4.8	5.4	4.7	5.5	1.4	78	班达海
	9	12										Banda Sea
559	9	05-00-34.4	31.15S	68.68W	105				5.4	1.0	42	阿根廷圣胡安省
	9	13										San Juan Province, Argentina
560	9	17-08-46.4	52.06N	175.30E	34	4.9		4.7	4.9	1.2	72	尼尔群岛
	10	01										Near Islands
561	9	21-33-53.8	17.18S	74.01W	26	6.0	6.2	5.9	6.0	1.3	99	秘鲁海岸远海
	10	05										Off coast of Peru
562	10	03-37-37.8	10.12S	161.07E	104				5.2	0.9	47	所罗门群岛
	10	11										Solomon Islands
563	10	04-16-30.6	59.37N	144.65W	14	5.8	5.7	5.1	5.1	1.0	70	阿拉斯加湾
	10	12										Gulf of Alaska
564	10	04-52-29.2	23.79N	122.45E	24		3.7			2.0	15	台湾岛
	10	12										Taiwan
565	10	06-17-22.1	10.37N	60.73W	48	6.8	6.4		6.2	2.4	98	委内瑞拉海岸近海
	10	14										Near coast of Venezuela
566	10	07-58-21.0	7.22S	122.31E	612		5.7		5.6	1.0	103	佛罗勒斯海
	10	15										Flores Sea
567	10	10-25-04.2	20.92S	178.53W	619		6.2		6.1	1.0	106	斐济地区
	10	18										Fiji region



568	10	12-17-56.2	37.94N	113.99E	15	3.2		2.1	15	中国东北部 North-Eastern China		
	10	20										
569	10	14-25-14.3	57.35N	143.49W	12		4.6	0.9	37	阿拉斯加湾 Gulf of Alaska		
	10	22										
570	10	14-42-12.2	23.81S	177.57W	267		5.1	1.4	30	斐济以南地区 South of Fiji		
	10	22										
571	10	15-33-54.2	40.36N	141.37E	118		4.5	1.5	49	本州岛 Honshu		
	10	23										
572	11	00-30-48.3	32.59N	138.48E	304		4.8	1.2	73	本州以南地区 South of Honshu		
	11	08										
573	11	02-36-58.1	37.35S	47.96E	9		5.6	5.5	1.1	48	大西洋—印度洋海岭 Atlantic-Indian Ridge	
	11	10										
574	11	03-44-56.2	9.23N	82.93W	19	6.3	6.0	5.4	1.7	54	哥斯达黎加 Costa Rica	
	11	11										
575	11	04-20-41.6	19.47S	177.47W	552		4.7	1.3	22	斐济地区 Fiji region		
	11	12										
576	11	04-21-51.5	36.94N	96.21E	33	3.1		4.5	7	青海省 Qinghai Province		
	11	12										
577	11	07-38-38.4	37.27N	56.26E	33	5.0	4.3	4.9	1.3	63	伊朗 Iran	
	11	15										
578	11	08-28-29.6	43.34N	147.25E	49		4.7	1.8	27	北海道海岸远海 Off coast of Hokkaido		
	11	16										
579	11	09-09-38.9	7.31S	122.30E	632		5.4	0.9	85	佛罗勒斯海 Flores Sea		
	11	17										
580	11	12-58-11.4	3.49N	124.13E	393		4.7	1.1	63	西里伯斯海 Celebes Sea		
	11	20										
581	11	13-00-27.8	32.39N	121.57E	24	3.2		2.4	7	中国东部 Eastern China		
	11	21										
582	12	00-44-14.3	32.80S	178.91W	61		5.3	1.8	29	克马德克群岛以南地区 South of Kermadec Islands		
	12	08										
583	12	01-44-39.4	38.66S	47.59E	10		5.0	0.8	15	大西洋—印度洋海岭 Atlantic-Indian Ridge		
	12	09										
584	12	04-32-09.9	10.08N	60.60W	47	5.8	5.4	5.7	1.8	73	委内瑞拉海岸近海 Near coast of Venezuela	
	12	12										
585	12	08-17-47.4	6.03S	147.25E	57		4.0	4.8	1.3	26	新几内亚东部地区 Eastern New Guinea region	
	12	16										
586	12	08-38-48.7	54.87N	161.66E	21	4.9	4.5	5.7	1.9	70	堪察加东海岸近海 Near east coast of Kamchatka	
	12	16										
587	12	11-00-49.8	53.32N	155.95E	325		4.8	1.1	57	千岛群岛西北以远地区 North-west of Kurile Islands		
	12	19										
588	12	12-11-12.0	0.67S	133.54E	49	5.5	5.8	5.6	5.2	0.9	98	西伊里安地区 West Irian region
	12	20										
589	12	12-46-30.6	23.77N	121.70E	49	4.3	4.6	1.7	44	台湾岛 Taiwan		
	12	20										
590	12	19-00-55.7	0.02N	123.57E	129		4.8	1.5	41	米那哈沙半岛(西里伯斯) Minahassa Peninsula (Celebes)		
	13	03										
591	12	22-54-21.3	29.76N	139.04E	394		5.0	0.7	95	本州以南地区 South of Honshu		
	13	06										
592	13	01-39-18.6	24.32N	122.32E	24	3.9	4.2	4.6	1.6	45	台湾岛 Taiwan	
	13	09										
593	13	06-18-04.5	8.30S	111.02E	135		4.7	1.3	28	爪哇岛 Java		
	13	14										



594	13	09-27-15.7	13.94N	119.35E	37	4.5	5.1	5.0	1.7	74	菲律宾群岛地区 Philippine Islands region
	13	17									
595	13	11-31-32.6	33.64S	72.24W	40	6.0		6.0	5.3	2.1	62 中智利海岸近海 Near coast of Central Chile
	13	19									
596	13	12-25-41.1	16.36S	168.00E	197			5.6	5.3	0.8	84 瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	13	20									
597	13	12-59-14.6	37.28S	51.74E	10	6.0	6.1	5.9	5.7	1.2	77 南印度洋 South Indian Ocean
	13	20									
598	13	13-05-20.9	37.48S	51.82E	10				5.5	1.6	25 南印度洋 South Indian Ocean
	13	21									
599	13	13-48-30.5	42.29N	75.45E	33	4.2	4.6		4.5	2.3	29 吉尔吉斯 Kirgiziya
	13	21									
600	13	23-27-32.1	36.27S	78.48E	9	5.4	5.7		5.5	1.6	43 中印度洋海丘 Mid-Indian Rise
	14	07									
601	13	23-28-51.2	13.73N	88.84W	87	5.8			4.9	1.3	34 萨尔瓦多 El Salvador
	14	07									
602	14	02-26-38.9	24.96N	62.90E	32	4.4			4.6	1.5	28 巴基斯坦海岸近海 Near coast of Pakistan
	14	10									
603	14	07-29-52.8	35.92N	80.67E	30	4.2	5.0		4.8	2.3	41 克什米尔——西藏边境地区 Kashmir-Tibet border region
	14	15									
604	14	10-32-45.1	14.41S	73.38W	72				5.1	1.9	38 秘鲁 Peru
	14	18									
605	14	11-40-46.9	23.66N	117.23E	10		3.6			2.8	11 中国东南沿海 Near south-eastern coast of China
	14	19									
606	14	12-29-49.6	7.30S	74.57W	136				5.4	2.3	63 秘鲁北部 Northern Peru
	14	20									
607	14	18-00-26.4	52.28S	123.80E	10				5.3	0.9	48 澳大利亚以南地区 South of Australia
	15	02									
608	14	18-40-26.8	45.12N	151.02E	36	4.4			4.8	1.2	48 千岛群岛地区 Kurile Islands region
	15	02									
609	14	19-17-02.7	49.71N	156.37E	61	4.9	5.4		5.3	1.4	73 千岛群岛 Kurile Islands
	15	03									
610	14	19-27-32.8	44.37N	113.49E	32		3.2			4.5	6 中国东北部 North-Eastern China
	15	03									
611	14	19-28-19.8	27.09N	102.65E	10		3.0			3.4	9 四川省 Sichuan Province
	15	03									
612	14	20-19-02.5	30.02N	67.84E	15	4.3		4.0	4.4	1.4	26 巴基斯坦 Pakistan
	15	04									
613	15	04-23-40.8	36.92N	73.13E	72	4.3			4.5	2.6	32 阿富汗——苏联边境地区 Afghanistan-USSR border region
	15	12									
614	15	09-25-06.4	12.29N	143.17E	5	5.3	5.5	5.2	5.3	1.2	60 马里亚纳群岛以南地区 South of the Marianas
	15	17									
615	15	15-55-24.7	42.35N	75.50E	34		4.5		4.5	1.9	27 吉尔吉斯 Kirgiziya
	15	23									
616	15	20-22-29.4	13.31N	124.93E	54			4.6	4.8	1.2	46 萨马岛 Samar
	16	04									
617	15	20-28-46.3	28.32N	130.40E	52	4.4			4.8	1.2	37 琉球群岛 Ryukyu Islands
	16	04									
618	15	23-51-54.1	24.45N	122.07E	11		3.7			2.1	18 台湾岛 Taiwan
	16	07									
619	15	23-56-12.9	57.10N	142.76W	12			4.6	5.0	1.4	32 阿拉斯加湾 Gulf of Alaska
	16	07									



620	16	00-37-50.3	24.67N	125.86E	64	4.5		4.2	1.8	30	琉球群岛西南部 South-western Ryukyu Islands	
	16	08										
621	16	00-44-47.0	3.52S	146.56E	17	5.7	5.7	5.7	5.1	1.6	53 新几内亚东部地区 Eastern New Guinea region	
	16	08										
622	16	05-30-13.1	24.06N	122.65E	12		3.9			2.7	11 台湾地区 Taiwan region	
	16	13										
623	16	05-48-04.2	10.35N	60.63W	53	5.8	6.2	5.7	1.8	93	委内瑞拉海岸近海 Near coast of Venezuela	
	16	13										
624	16	10-44-23.8	1.10S	99.90E	79				5.0	1.0	48 苏门答腊南部 Southern Sumatera	
	16	18										
625	16	12-11-06.5	17.66S	175.02W	262				5.3	0.8	70 汤加 Tonga	
	16	20										
626	16	18-36-39.4	41.31N	80.54E	22		3.5			3.0	9 新疆自治区南部 Southern Xinjiang Province	
	17	02										
627	16	22-55-25.8	20.33S	68.39W	110				5.1	2.7	23 智利—玻利维亚边境地区 Chile-Bolivia border region	
	17	06										
628	17	03-44-28.3	32.56N	121.64E	28		3.0			3.6	5 中国东部 Eastern China	
	17	11										
629	17	08-45-44.5	18.16S	179.24W	628				4.7	0.9	27 斐济地区 Fiji region	
	17	16										
630	17	10-06-41.5	10.47N	120.52E	33					2.5	14 苏禄海 Sulu Sea	
	17	18										
631	17	10-23-06.7	10.11S	154.15E	35	5.0		4.6	5.0	1.3	58 当特尔卡斯托群岛地区 D'Entrecasteaux Islands region	
	17	18										
632	17	12-02-41.7	5.71S	77.19W	7	6.4			4.9	2.9	37 秘鲁北部 Northern Peru	
	17	20										
633	17	12-19-56.9	17.54S	178.38W	554				5.3	1.3	47 斐济地区 Fiji region	
	17	20										
634	17	13-58-03.5	41.43N	142.10E	75	5.3			4.6	1.5	33 本州东海岸近海 Near east coast of Honshu	
	17	21										
635	17	15-36-23.7	21.34S	173.83W	41				5.9	5.2	1.4	43 汤加 Tonga
	17	23										
636	17	20-34-27.5	35.64N	139.68E	105		5.8		5.4	1.4	102 本州南海岸近海 Near south coast of Honshu	
	18	04										
637	18	00-54-45.0	13.81N	144.97E	145				4.6	0.9	25 马里亚纳群岛 Marianas	
	18	08										
638	18	13-54-17.7	9.07N	126.52E	55				4.8	1.4	51 棉兰老岛 Mindanao	
	18	21										
639	18	16-05-17.3	39.73N	118.38E	19		3.0			2.0	8 中国东北部 North-Eastern China	
	19	00										
640	18	16-45-21.7	39.69N	118.42E	10		3.0			3.2	9 中国东北部 North-Eastern China	
	19	00										
641	18	19-21-08.4	43.30N	81.97E	16		3.0			2.3	6 新疆自治区北部 Northern Xinjiang Province	
	19	03										
642	18	22-51-18.6	3.61S	146.66E	33	6.2	6.2	6.1	5.5	1.1	92 新几内亚东部地区 Eastern New Guinea region	
	19	06										
643	18	23-11-59.7	3.64S	146.70E	34	5.7		5.8	5.5	1.0	88 新几内亚东部地区 Eastern New Guinea region	
	19	07										
644	19	02-31-18.0	3.78S	146.79E	65			4.3	4.6	1.3	18 新几内亚东部地区 Eastern New Guinea region	
	19	10										
645	19	11-00-31.5	3.46S	68.52E	10				4.9	1.0	37 查戈斯群岛地区 Chagos Archipelago region	
	19	19										



646	19	13-30-29.3	35.96N	81.10E	5	3.9	4.6			1.7	11	克什米尔——西藏边境地区 Kashmir-Tibet border region	
	19	21											
647	19	19-42-23.6	27.09N	100.21E	24		3.7		4.3	2.6	20	云南省 Yunnan Province	
	20	03											
648	19	20-19-15.4	30.07N	67.89E	14	5.6	5.8	5.3	5.4	1.2	97	巴基斯坦 Pakistan	
	20	04											
649	19	21-00-09.1	30.07N	68.02E	8	4.4			4.5	2.0	19	巴基斯坦 Pakistan	
	20	05											
650	20	02-59-33.7	44.03N	148.77E	52				4.8	1.8	29	千岛群岛地区 Kurile Islands region	
	20	10											
651	20	03-27-07.1	9.88S	154.12E	32				4.3	4.7	1.5	39	当特尔卡斯托群岛地区 D'Entrecasteaux Islands region
	20	11											
652	20	04-05-27.2	10.03S	154.04E	35			5.6	4.7	5.4	1.0	73	当特尔卡斯托群岛地区 D'Entrecasteaux Islands region
	20	12											
653	20	10-41-51.9	9.95S	153.90E	50	5.4		5.8	5.2	5.8	1.5	93	当特尔卡斯托群岛地区 D'Entrecasteaux Islands region
	20	18											
654	20	11-09-46.5	5.77S	150.99E	56				4.8	1.1	37	新不列颠地区 New Britain region	
	20	19											
655	20	14-38-46.5	21.52N	111.67E	3		3.6			3.1	8	中国东部 Eastern China	
	20	22											
656	20	14-39-30.2	70.97N	6.27W	10	4.9		3.5	4.7	0.8	37	扬马延岛地区 Jan Mayen Island region	
	20	22											
657	21	04-45-16.9	23.81N	142.98E	33				4.0	5.0	0.9	51	硫黄列岛地区 Volcano Islands region
	21	12											
658	21	12-20-33.2	57.36N	143.38W	13				4.7	4.6	1.1	30	阿拉斯加湾 Gulf of Alaska
	21	20											
659	21	13-17-37.0	8.18S	118.99E	23	4.8			4.6	5.4	1.3	78	松巴哇地区 Sumbawa region
	21	21											
660	21	14-05-16.8	26.95N	102.79E	26		3.7			4.3	2.5	21	四川省 Sichuan Province
	21	22											
661	21	15-15-40.5	8.23S	119.01E	33				4.0	5.3	1.1	39	松巴哇地区 Sumbawa region
	21	23											
662	21	16-26-29.0	39.41N	74.21E	3		3.9			3.6	8	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region	
	22	00											
663	21	19-03-12.5	6.85S	125.10E	542					5.2	0.9	77	班达海 Banda Sea
	22	03											
664	21	19-23-56.2	6.81S	154.10E	10				3.8	5.0	0.9	25	新不列颠地区 New Britain region
	22	03											
665	21	23-24-26.2	20.93S	178.83W	638					5.4	0.8	64	斐济地区 Fiji region
	22	07											
666	21	23-31-20.2	77.61N	125.61E	10	6.7		6.3	6.0	6.0	0.8	93	拉普帖夫海 Laptev Sea
	22	07											
667	22	07-05-02.3	46.81N	153.82E	29	4.5				4.9	1.3	39	千岛群岛 Kurile Islands
	22	15											
668	22	10-03-34.4	6.87S	124.97E	528					5.2	0.9	56	班达海 Banda Sea
	22	18											
669	22	19-39-58.7	24.92N	123.12E	159						1.5	16	台湾地区 Taiwan region
	23	03											
670	22	20-25-42.0	38.49N	73.37E	108				4.3	1.3	36	塔吉克 Tadzhikistan	
	23	04											
671	23	01-42-02.0	25.24N	122.78E	228					4.1	1.6	39	台湾地区 Taiwan region
	23	09											



672	23	05-07-14.3	26.77S	176.35W	12				5.0	5.4	1.4	25	克马德克群岛地区 Kermadec Islands region	
	23	13												
673	23	07-48-46.2	7.45S	128.32E	174				5.1	1.0		30	班达海 Banda Sea	
	23	15												
674	23	08-00-10.7	26.81N	102.69E	32		3.4				3.1	15	四川省 Sichuan Province	
	23	16												
675	23	08-04-52.0	3.97S	131.62E	46		5.0		4.8	5.2	1.1	54	班达海 Banda Sea	
	23	16												
676	23	09-56-21.3	32.74N	104.15E	17		3.2				2.1	8	四川省 Sichuan Province	
	23	17												
677	23	12-18-57.0	17.92N	121.43E	33		4.4	4.4	5.3		5.1	1.6	92	吕宋岛 Luzon
	23	20												
678	23	13-43-58.0	26.95S	176.26W	161						4.7	1.6	30	克马德克群岛地区 Kermadec Islands region
	23	21												
679	23	15-15-29.6	54.03N	160.38E	36						4.9	1.2	39	堪察加东海岸近海 Near east coast of Kamchatka
	23	23												
680	23	15-50-23.1	12.06N	44.03W	5		6.1		5.6	5.4	2.9	29	北大西洋海岭 North Atlantic Ridge	
	23	23												
681	23	18-08-02.5	43.98N	87.34E	5		3.4				2.9	7	新疆自治区北部 Northern Xinjiang Province	
	24	02												
682	23	19-08-37.5	37.07N	71.43E	116						4.8	1.7	32	兴都库什地区 Hindu Kush region
	24	03												
683	23	19-19-31.3	23.92N	122.61E	33		4.5	4.4			4.5	1.9	61	台湾地区 Taiwan region
	24	03												
684	23	20-22-43.6	52.65N	169.41W	31		5.3		5.1	5.1	1.0	86	福克斯群岛 Fox Islands	
	24	04												
685	23	23-55-07.2	13.70N	40.40E	8						4.9	1.6	18	埃塞俄比亚 Ethiopia
	24	07												
686	24	12-14-30.5	24.09N	122.44E	5		3.6	3.8			1.5	18	台湾岛 Taiwan	
	24	20												
687	24	17-21-56.1	80.08N	0.06W	11				4.7	4.2	1.4	33	格陵兰海 Greenland Sea	
	25	01												
688	24	17-55-07.3	21.97S	179.47W	594						5.3	0.6	53	斐济以南地区 South of Fiji
	25	01												
689	25	00-29-51.1	20.22N	156.57W	5				4.5	5.3	1.1	53	夏威夷群岛地区 Hawaiian Islands region	
	25	08												
690	25	02-07-55.2	44.72N	79.67E	31		4.3	4.6			4.5	2.0	36	哈萨克东部 Eastern Kazakhstan
	25	10												
691	25	03-57-05.2	32.11S	14.35W	2						5.1	2.3	19	南大西洋海岭 South Atlantic Ridge
	25	11												
692	25	04-19-42.9	32.14S	14.56W	9						5.0	2.4	12	南大西洋海岭 South Atlantic Ridge
	25	12												
693	25	05-21-44.4	19.22S	177.47W	557				5.4		5.5	0.9	64	斐济地区 Fiji region
	25	13												
694	25	15-43-14.1	13.87N	124.48E	32		4.0		4.1	4.7	1.5	61	吕宋岛 Luzon	
	25	23												
695	25	16-20-46.6	10.20N	60.66W	49						5.2	1.8	30	委内瑞拉海岸近海 Near coast of Venezuela
	26	00												
696	25	17-20-53.5	31.31S	67.89W	26						5.3	1.8	34	阿根廷圣胡安省 San Juan Province, Argentina
	26	01												
697	25	18-37-00.3	23.55N	143.40E	50		4.0		3.9	4.8	1.1	59	硫黄列岛地区 Volcano Islands region	
	26	02												



698	25	19-36-45.3	62.24N	124.25W	11	6.8	6.5	6.0	6.1	0.7	97	加拿大西北地区 Northwest Territories	
	26	03											
699	25	19-52-35.4	62.29N	124.20W	11				5.4	0.9	46	加拿大西北地区 Northwest Territories	
	26	03											
700	25	20-08-22.6	45.36N	150.97E	35				5.1	1.0	54	千岛群岛地区 Kurile Islands region	
	26	04											
701	25	21-58-19.4	54.93N	159.88W	32	5.2	6.0	4.6	5.4	0.6	90	阿拉斯加半岛 Alaska Peninsula	
	26	05											
702	26	03-34-40.4	1.07S	126.74E	45	4.6			5.0	1.6	65	马鲁古海 Molucca Sea	
	26	11											
703	26	06-11-19.8	57.90N	143.15W	22				4.8	1.1	37	阿拉斯加湾 Gulf of Alaska	
	26	14											
704	26	06-58-12.5	42.11N	117.78E	10	3.7				1.6	5	中国东北部 North-Eastern China	
	26	14											
705	26	08-42-17.8	29.71N	67.40E	5	4.4			4.6	2.9	21	巴基斯坦 Pakistan	
	26	16											
706	26	09-42-37.5	18.26S	168.05E	16				4.7	5.1	1.1	36	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	26	17											
707	26	12-07-28.8	33.14N	13.23E	10	5.2			5.2	4.7	0.8	45	利比亚海岸近海 Near coast of Libya
	26	20											
708	26	18-49-18.4	62.38N	147.47W	62				4.4	1.0	27	阿拉斯加州南部 Southern Alaska	
	27	02											
709	26	20-35-12.4	40.19N	19.92E	38	5.2			4.7	5.0	0.9	72	希腊——阿尔巴尼亚边境地区 Greece-Albania border region
	27	04											
710	26	21-25-12.3	9.98S	107.32E	37				4.7	1.5	24	爪哇以南地区 South of Java	
	27	05											
711	26	22-58-41.9	38.41N	73.23E	117		5.6		5.7	1.3	103	塔吉克 Tadzhikistan	
	27	06											
712	27	03-31-16.2	6.20S	130.18E	127				5.0	1.0	43	班达海 Banda Sea	
	27	11											
713	27	06-01-00.8	30.16N	67.89E	18	4.7			5.7	4.6	1.3	46	巴基斯坦 Pakistan
	27	14											
714	27	07-46-19.9	15.41S	174.84W	286				5.2	0.9	61	汤加 Tonga	
	27	15											
715	27	09-04-51.7	0.16S	97.39E	40	4.5			4.4	1.3	27	苏门答腊西南以远地区 South-west of Sumatera	
	27	17											
716	27	09-09-36.4	3.84N	76.94W	77				4.8	2.5	17	哥伦比亚西海岸近海 Near west coast of Colombia	
	27	17											
717	27	11-29-32.6	24.95N	122.07E	144					0.9	20	台湾岛 Taiwan	
	27	19											
718	27	15-10-51.6	36.42N	70.98E	93				4.8	1.5	44	兴都库什地区 Hindu Kush region	
	27	23											
719	27	23-18-17.6	3.44S	130.99E	71				5.1	0.9	64	斯兰岛 Seram	
	28	07											
720	28	03-33-39.0	20.06N	156.55W	1	5.3	5.7	5.1	5.6	1.2	83	夏威夷群岛地区 Hawaiian Islands region	
	28	11											
721	28	11-51-25.5	29.99N	95.10E	33	4.4	4.2		4.3	2.6	45	印度——中国边境地区 India-China border region	
	28	19											
722	28	13-04-39.4	24.51N	99.13E	17	3.3				4.0	7	缅甸——中国边境地区 Burma-China border region	
	28	21											
723	28	13-39-53.0	30.05N	67.97E	18	4.5			4.3	1.7	34	巴基斯坦 Pakistan	
	28	21											



724	28	15-40-51.8	30.76N	50.10E	52	4.5		4.7	0.8	30	伊朗西部 Western Iran
	28	23									
725	28	18-36-27.0	35.79S	102.83W	9	5.5	6.0	5.2	5.7	2.5	74 太平洋南部 Southern Pacific Ocean
	29	02									
726	28	22-21-54.5	47.21N	89.31E	10	3.6				2.6	7 新疆自治区北部 Northern Xinjiang Province
	29	06									
727	29	01-16-21.1	57.48N	143.06W	12	5.2		4.1	5.0	0.8	66 阿拉斯加湾 Gulf of Alaska
	29	09									
728	29	08-31-30.7	52.44N	168.22W	31	5.8	5.8	5.5	5.4	1.1	90 福克斯群岛 Fox Islands
	29	16									
729	29	10-50-11.4	43.59N	148.06E	40			4.7	1.5	36	千岛群岛 Kurile Islands
	29	18									
730	29	13-37-56.3	10.65N	65.15W	16			4.8	5.1	3.1	29 委内瑞拉海岸近海 Near coast of Venezuela
	29	21									
731	29	15-33-03.1	54.29N	163.54W	33	5.1		5.0	0.8	76	乌尼马克岛地区 Unimak Island region
	29	23									
732	29	15-50-43.0	56.39N	163.91E	34	4.6		5.0	1.5	39	堪察加东海岸远海 Off east coast of Kamchatka
	29	23									
733	29	22-06-42.7	27.35N	100.98E	12	3.5				2.3	13 云南省 Yunnan Province
	30	06									
734	30	01-42-01.7	40.26N	104.62E	10	3.7				3.2	7 中国北部 Northern China
	30	09									
735	30	02-12-42.2	30.92N	50.14E	32	6.1	6.3	5.7	5.4	0.9	97 伊朗西部 Western Iran
	30	10									
736	30	03-14-56.4	30.77N	50.13E	45	4.8		4.6	0.8	39	伊朗西部 Western Iran
	30	11									
737	30	04-40-08.5	24.76S	179.84E	518			5.0	1.3	18	斐济以南地区 South of Fiji
	30	12									
738	30	06-33-51.1	16.41N	41.10E	10	5.1		4.8	0.8	25	埃塞俄比亚 Ethiopia
	30	14									
739	30	07-52-48.6	5.49N	123.91E	526		5.1	5.5	0.9	105	西里伯斯海 Celebes Sea
	30	15									
740	30	18-31-04.5	13.32N	125.35E	47	4.3		4.5	1.5	48	萨马岛 Samar
	31	02									
741	30	18-41-14.7	4.90S	153.51E	78			4.5	1.4	38	新爱尔兰地区 New Ireland region
	31	02									
742	30	19-58-42.7	39.99N	96.28E	10	4.0	4.6	4.1	2.6	32	甘肃省 Gansu Province
	31	03									
743	30	21-30-34.5	6.46N	125.99E	141					1.2	33 棉兰老岛 Mindanao
	31	05									
744	30	23-50-57.9	24.85S	70.48W	42	6.1	6.0	5.7	5.8	1.3	82 智利北部海岸近海 Near coast of Northern Chile
	31	07									
745	31	01-59-17.8	7.16N	126.77E	180			5.2	1.0	87	棉兰老岛 Mindanao
	31	09									
746	31	03-25-29.3	43.18N	122.09E	9	3.5				3.1	15 中国东北部 North-Eastern China
	31	11									
747	31	08-39-05.4	24.66S	176.15W	55	5.2		5.2	5.3	1.3	50 斐济以南地区 South of Fiji
	31	16									
748	31	12-21-11.5	34.09N	140.89E	66	4.0		4.8	2.7	23	本州以南地区 South of Honshu
	31	20									
749	31	14-49-00.4	0.02S	124.93E	81	4.9		4.9	1.2	69	马鲁古海 Molucca Sea
	31	22									



750	31	20-46-53.6	13.69N	120.74E	134					4.6	1.1	34	民都洛岛 Mindoro	
		1 04												
751	31	21-26-12.3	8.91S	78.83W	52					5.0	2.3	23	秘鲁北部海岸远海 Off coast of Northern Peru	
		1 05												
752	31	22-22-42.7	35.45N	140.19E	84					4.8	1.8	52	本州南海岸近海 Near south coast of Honshu	
		1 06												
April 1988														
753	1	01-27-15.7	47.53N	89.52E	8	4.4	4.3			4.6	1.8	41	新疆自治区北部 Northern Xinjiang Province	
		1 09												
754	1	14-26-40.3	18.77S	177.85W	573			5.5		5.7	0.8	69	斐济地区 Fiji region	
		1 22												
755	1	18-36-01.4	7.19S	103.35E	33	4.7				4.8	0.8	26	苏门答腊西南以远地区 South-west of Sumatera	
		2 02												
756	2	04-24-03.5	18.61N	120.65E	21	3.9	4.1			4.3	2.2	38	吕宋岛 Luzon	
		2 12												
757	2	04-48-06.9	19.65N	156.37W	7					4.7	1.6	20	夏威夷群岛 Hawaiian Islands	
		2 12												
758	2	05-14-17.6	30.98S	179.63W	340			5.4		5.0	1.0	41	克马德克群岛地区 Kermadec Islands region	
		2 13												
759	2	05-30-54.9	48.56N	153.10E	159					4.9	1.5	36	千岛群岛 Kurile Islands	
		2 13												
760	2	06-27-30.2	30.20N	99.59E	11	4.2	3.9			5.0	2.2	34	四川省 Sichuan Province	
		2 14												
761	2	14-26-28.2	15.49S	172.89W	30	5.9		6.3	6.1	5.7	1.2	76	汤加 Tonga	
		2 22												
762	2	14-42-54.1	15.55S	172.99W	31					4.9	1.6	26	汤加 Tonga	
		2 22												
763	2	14-56-58.7	15.17S	172.75W	36					5.0	1.2	24	汤加 Tonga	
		2 22												
764	2	19-45-03.7	5.45S	80.54W	19					5.2	2.8	27	秘鲁北部海岸近海 Near coast of Northern Peru	
		3 03												
765	2	20-27-57.1	6.88S	155.65E	62					5.4	1.0	49	所罗门群岛 Solomon Islands	
		3 04												
766	2	22-00-12.8	15.35S	173.21W	21					4.9	5.1	1.8	31	汤加 Tonga
		3 06												
767	3	01-33-04.8	49.92N	78.87E	0	5.2	5.6			6.1	6.1	1.0	94	哈萨克东部 Eastern Kazakhstan
		3 09												
768	3	10-39-56.1	36.42N	80.96E	20		3.7				2.4	14	克什米尔——西藏边境地区 Kashmir-Tibet border region	
		3 18												
769	3	12-23-26.5	0.53S	127.52E	139					5.1	1.0	72	查伊洛洛贾洛洛(哈马黑拉)岛 Djailolo Gilolo (Halmahera)	
		3 20												
770	3	14-14-54.0	8.55S	119.29E	115					4.4	1.1	17	松巴哇地区 Sumbawa region	
		3 22												
771	3	14-27-08.4	4.65N	94.44E	30	6.2		5.9	5.7	5.9	1.1	100	北苏门答腊西海岸远海 Off west coast of Northern Sumatera	
		3 22												
772	3	17-34-59.3	32.76S	111.86W	5					4.9	2.4	31	复活节岛海山 Easter Island Cordillera	
		4 01												
773	3	18-36-31.4	4.63N	94.47E	25					4.6	1.6	18	北苏门答腊西海岸远海 Off west coast of Northern Sumatera	
		4 02												
774	3	19-51-47.5	34.13N	122.51E	26		3.1				2.0	8	黄海 Yellow Sea	
		4 03												



775	3	21-14-22.9	4.83N	94.51E	24						4.4	1.4	23	北苏门答腊西海岸远海 Off west coast of Northern Sumatera		
	4	05														
776	4	00-02-23.0	39.58N	118.87E	14							1.2	7	中国东北部 North-Eastern China		
	4	08														
777	4	04-58-27.6	38.28N	125.84E	7							3.4	9	南朝鲜 South Korea		
	4	12														
778	4	08-29-31.5	38.48N	125.42E	18							4.2	5	南朝鲜 South Korea		
	4	16														
779	4	15-12-12.3	30.34N	131.24E	28	5.0	5.2	4.6	5.2	1.6			81	琉球群岛 Ryukyu Islands		
	4	23														
780	4	15-43-03.1	30.41N	131.22E	43	5.9	5.8	6.0	5.2	1.4			97	琉球群岛 Ryukyu Islands		
	4	23														
781	4	16-30-37.7	30.42N	131.29E	46	4.8		5.2	5.0	1.7			59	琉球群岛 Ryukyu Islands		
	5	00														
782	4	19-43-42.3	7.58S	127.77E	168					5.2	1.6		24	帝汶岛 Timor		
	5	03														
783	5	13-45-06.3	25.02N	115.79E	11						3.3		2.6	11	中国东南沿海 Near south-eastern coast of China	
	5	21														
784	5	14-02-50.3	4.73N	94.43E	51							4.6	1.1	29	北苏门答腊西海岸远海 Off west coast of Northern Sumatera	
	5	22														
785	5	15-36-56.2	13.35N	120.42E	29	5.6	5.9	5.5	5.4	1.4			101	菲律宾群岛地区 Philippine Islands region		
	5	23														
786	5	23-28-17.0	8.72S	117.73E	117							4.9	1.6	33	松巴哇地区 Sumbawa region	
	6	07														
787	6	03-11-22.2	16.40N	41.13E	10	5.2						4.8	1.1	30	埃塞俄比亚 Ethiopia	
	6	11														
788	6	06-00-27.5	38.54N	125.59E	10						3.1		3.5	6	北朝鲜 North Korea	
	6	14														
789	6	07-36-57.7	27.53N	100.77E	5						3.0		1.8	10	云南省 Yunnan Province	
	6	15														
790	6	11-28-33.5	28.28N	92.65E	18	4.1						4.2	1.8	40	印度—中国边境地区 India-China border region	
	6	19														
791	6	16-30-01.3	6.58S	131.48E	41	4.6		4.5	5.4	0.9				90	塔宁巴尔群岛地区 Tanimbar Islands region	
	7	00														
792	6	19-52-32.6	7.25S	128.68E	149							5.3	1.0	82	班达海 Banda Sea	
	7	03														
793	6	21-06-10.5	22.98S	175.48W	31							4.7	5.2	2.0	25	汤加地区 Tonga region
	7	05														
794	6	22-19-41.5	15.62S	167.86E	201							5.0	0.9	45	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	7	06														
795	6	22-58-21.2	4.06N	126.54E	89							3.7	0.9	21	塔劳群岛 Talaud Islands	
	7	06														
796	7	01-05-04.1	30.08N	67.75E	34	4.2						4.4	1.6	13	巴基斯坦 Pakistan	
	7	09														
797	7	03-05-06.4	24.03N	121.63E	16	5.8	5.3	5.7	4.5	5.3	1.7			96	台湾岛 Taiwan	
	7	11														
798	7	03-24-38.5	23.99N	121.32E	20	4.9	4.6					4.9	2.5	55	台湾岛 Taiwan	
	7	11														
799	7	03-41-35.1	24.08N	121.53E	10	4.3	4.2					4.2	1.5	29	台湾岛 Taiwan	
	7	11														
800	7	05-36-00.2	29.68N	140.87E	115							4.8	1.6	26	本州以南地区 South of Honshu	
	7	13														





801	7	07-17-42.5	41.55N	78.91E	10	4.0				3.6	9	吉尔吉斯—新疆边境地区 Kirgiziya-Xinjiang border region
	7	15										
802	7	08-03-59.3	34.63N	98.44E	11	3.7	3.6			3.6	10	青海省 Qinghai Province
	7	16										
803	7	09-23-40.2	0.38S	132.38E	32	5.3		3.7	4.6	1.1	17	西伊里安地区 West Irian region
	7	17										
804	7	09-27-26.5	23.96N	121.60E	18	4.5	4.0			2.3	30	台湾岛 Taiwan
	7	17										
805	7	14-26-33.8	10.75S	74.20W	8			5.1	3.3		22	秘鲁 Peru
	7	22										
806	7	14-38-53.7	24.08N	121.62E	5	3.9	4.0			2.2	26	台湾岛 Taiwan
	7	22										
807	7	18-14-55.8	56.11S	15.84W	4			5.3	2.8		34	大西洋西南部 South-Western Atlantic Ocean
	8	02										
808	7	21-45-37.4	6.84S	71.79E	9			5.3	1.2		21	查戈斯群岛地区 Chagos Archipelago region
	8	05										
809	8	01-33-42.6	13.38N	120.61E	53	4.7	5.4	5.2	1.9		75	民都洛岛 Mindoro
	8	09										
810	8	04-42-29.9	13.32N	120.47E	33	5.7	5.7	5.6	5.6	1.2	94	菲律宾群岛地区 Philippine Islands region
	8	12										
811	8	11-20-50.6	8.87S	117.58E	106		5.8	5.8	1.6		94	松巴哇地区 Sumbawa region
	8	19										
812	8	13-34-43.8	24.03N	120.81E	15	4.1	4.3	4.7	2.0		47	台湾岛 Taiwan
	8	21										
813	8	15-29-33.8	3.08S	130.07E	32			3.7	4.5	1.5	17	斯兰岛 Seram
	8	23										
814	8	18-48-06.6	37.89N	106.89E	25	3.1				3.4	7	中国北部 Northern China
	9	02										
815	8	20-38-28.7	13.21N	120.46E	51	4.6		4.9	1.5		49	菲律宾群岛地区 Philippine Islands region
	9	04										
816	8	22-32-37.6	16.41N	41.11E	10			4.6	1.4		20	埃塞俄比亚 Ethiopia
	9	06										
817	8	23-13-23.6	3.35S	145.86E	34	6.4	6.4	6.4	5.6	1.5	100	新几内亚北海岸近海 Near north coast of New Guinea
	9	07										
818	8	23-21-11.7	3.40S	145.80E	31	6.1		6.1	5.4	1.3	56	新几内亚北海岸近海 Near north coast of New Guinea
	9	07										
819	9	00-58-37.2	5.46S	101.77W	9			4.6	1.7		11	复活节岛海山北部 Northern Easter I. Cordillera
	9	08										
820	9	04-04-22.4	10.88S	166.91E	34	5.5	6.1	5.5	5.5	1.0	81	圣克鲁斯群岛 Santa Cruz Islands
	9	12										
821	9	04-22-30.2	10.80S	166.73E	33	5.3	6.1	5.5	5.3	0.9	65	圣克鲁斯群岛 Santa Cruz Islands
	9	12										
822	9	05-47-18.9	37.61N	102.11E	10	3.5				2.7	9	青海省 Qinghai Province
	9	13										
823	9	12-57-55.5	29.63N	87.02E	32	4.4	4.8	4.5	2.2		35	西藏自治区 Tibet
	9	20										
824	9	14-56-56.4	29.61N	102.90E	5	3.8				2.2	19	四川省 Sichuan Province
	9	22										
825	9	15-12-20.0	37.93N	106.13E	13	3.1				2.3	10	中国北部 Northern China
	9	23										
826	9	19-28-41.7	34.39N	102.61E	12	3.6	3.8			2.8	23	四川省 Sichuan Province
	10	03										



827	9	19-52-23.6	10.74S	166.59E	32				4.8	4.4	0.9	19	圣克鲁斯群岛 Santa Cruz Islands
	10	03											
828	10	00-00-03.2	2.52S	138.85E	32				4.9	5.2	1.1	56	西伊里安 West Irian
	10	08											
829	10	03-04-48.9	8.22S	120.02E	182				5.2	1.5		34	佛罗勒斯地区 Flores region
	10	11											
830	10	06-34-14.4	51.77N	176.65E	32	4.6			4.8	1.0		49	拉特群岛 Rat Islands
	10	14											
831	10	13-51-57.9	18.05N	121.03E	27				4.4	1.5		30	吕宋岛 Luzon
	10	21											
832	10	18-30-28.5	5.25N	126.49E	48				4.8	1.2		44	塔劳群岛 Talaud Islands
	11	02											
833	11	01-07-18.0	39.59N	118.74E	5	3.5				2.5		20	中国东北部 North-Eastern China
	11	09											
834	11	02-20-39.0	26.91N	97.11E	32	4.4	4.3		4.5	2.5		36	缅甸 Burma
	11	10											
835	11	02-50-10.6	37.28N	114.84E	10	3.3				3.2		13	中国东部 Eastern China
	11	10											
836	11	06-30-29.8	17.92S	172.44W	35	5.3	5.9	4.8	5.3	1.3		46	汤加地区 Tonga region
	11	14											
837	11	09-30-55.0	46.06N	82.39E	4	3.5				3.0		7	哈萨克——新疆边境地区 Kazakhstan-Xinjiang border region
	11	17											
838	11	10-01-35.3	2.91N	128.29E	90				4.8	1.6		46	马鲁古海峡 Molucca Passage
	11	18											
839	11	12-11-30.7	27.73N	85.87E	37				4.9	1.5		43	尼泊尔 Nepal
	11	20											
840	11	18-09-06.2	16.80S	167.79E	32				4.8	1.4		50	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	12	02											
841	11	20-27-42.4	38.07N	106.38E	15	4.1	4.7		4.8	2.2		62	中国北部 Northern China
	12	04											
842	11	20-38-04.8	38.16N	106.34E	11	3.3				2.8		6	中国北部 Northern China
	12	04											
843	11	20-45-14.3	38.13N	106.32E	16	3.6	4.2		4.6	2.9		28	中国北部 Northern China
	12	04											
844	11	21-59-00.4	38.16N	106.26E	11	3.3				3.1		12	中国北部 Northern China
	12	05											
845	11	22-35-16.9	23.36N	121.30E	22	5.2	5.2	5.3	5.0	1.8		93	台湾岛 Taiwan
	12	06											
846	11	22-36-24.7	21.41S	179.28W	625				5.6	1.3		52	斐济地区 Fiji region
	12	06											
847	11	23-00-34.1	26.90S	177.10W	38				5.1	5.1	1.8	14	克马德克群岛地区 Kermadec Islands region
	12	07											
848	12	02-52-46.1	17.77S	178.78W	526				5.0	0.9		36	斐济地区 Fiji region
	12	10											
849	12	09-11-37.2	38.65N	74.22E	33	3.9				0.9		6	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region
	12	17											
850	12	10-02-02.4	38.07N	76.25E	33	4.4				2.6		13	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region
	12	18											
851	12	11-20-25.5	6.15S	154.46E	29				4.8	1.0		44	新不列颠地区 New Britain region
	12	19											
852	12	15-26-19.6	2.73S	77.51W	20				5.5	2.2		56	秘鲁——厄瓜多尔边境地区 Peru-Ecuador border region
	12	23											



853	12	16-22-10.7	17.45S	174.55W	218						5.0	0.9	57	汤加 Tonga
	13	00												
854	12	16-43-15.1	34.78N	79.64E	31	4.3	4.2				4.5	2.1	26	克什米尔——西藏边境地区 Kashmir-Tibet border region
	13	00												
855	12	19-41-41.7	10.73N	62.91W	93						5.5	1.5	34	委内瑞拉海岸近海 Near coast of Venezuela
	13	03												
856	12	20-13-42.1	33.81S	56.09E	9						5.5	1.0	38	大西洋——印度洋海岭 Atlantic-Indian Ridge
	13	04												
857	12	20-26-17.6	33.83S	56.06E	8	5.5	5.8	5.4	5.3	1.4			65	大西洋——印度洋海岭 Atlantic-Indian Ridge
	13	04												
858	12	23-19-55.5	17.28S	72.23W	29	7.2	6.6	7.0	6.1	1.5			97	秘鲁海岸近海 Near coast of Peru
	13	07												
859	13	00-02-42.4	57.39N	143.24W	3						5.2	0.8	65	阿拉斯加湾 Gulf of Alaska
	13	08												
860	13	00-37-22.5	17.38S	72.28W	31						5.3	2.0	44	秘鲁海岸近海 Near coast of Peru
	13	08												
861	13	00-39-30.8	17.29S	72.33W	14	6.8		6.2	5.9	2.0			69	秘鲁海岸近海 Near coast of Peru
	13	08												
862	13	06-22-31.5	17.43S	72.45W	23						5.2	2.8	40	秘鲁海岸近海 Near coast of Peru
	13	14												
863	13	07-57-16.8	1.02N	127.19E	150			5.7	5.5	0.9			96	马鲁古海峡 Molucca Passage
	13	15												
864	13	10-48-07.6	9.01S	157.42E	25	5.1	6.0	5.1	5.7	0.9			85	所罗门群岛 Solomon Islands
	13	18												
865	13	19-10-06.2	9.64S	112.67E	64						5.2	1.1	67	爪哇以南地区 South of Java
	14	03												
866	13	20-51-44.2	53.09N	171.29W	134						4.9	0.7	58	福克斯群岛 Fox Islands
	14	04												
867	13	23-01-48.0	19.94S	177.61W	374						5.3	0.9	49	斐济地区 Fiji region
	14	07												
868	14	02-20-01.3	1.76N	126.72E	79	5.1	5.8				5.5	1.1	94	马鲁古海峡 Molucca Passage
	14	10												
869	14	13-30-46.0	18.91S	174.82W	241						5.0	1.6	18	汤加 Tonga
	14	21												
870	14	17-53-13.6	26.30N	102.78E	19	4.2	4.0				4.5	2.3	54	云南省 Yunnan Province
	15	01												
871	14	19-36-01.7	21.58N	111.73E	11		3.6				3.5		6	中国东部 Eastern China
	15	03												
872	15	00-46-28.8	32.28N	110.32E	11		3.7				2.8		25	四川省 Sichuan Province
	15	08												
873	15	02-23-21.5	35.25N	105.15E	14		3.4				2.2		10	甘肃省 Gansu Province
	15	10												
874	15	06-43-58.4	40.08N	127.07E	21	3.6	4.1				2.4		15	北朝鲜 North Korea
	15	14												
875	15	10-58-14.9	26.36N	102.76E	9	5.4	5.0	5.5	4.9	4.8	2.2		85	云南省 Yunnan Province
	15	18												
876	15	13-50-43.8	32.21N	110.25E	5		3.2				1.8		16	四川省 Sichuan Province
	15	21												
877	15	17-55-48.9	43.76N	120.32E	17		3.4				2.8		13	中国东北部 North-Eastern China
	16	01												
878	15	19-36-02.4	25.63N	142.85E	46	4.5					5.0	1.3	58	硫黄列岛地区 Volcano Islands region
	16	03												



879	16	00-46-43.7	6.35S	147.04E	97					5.3	0.8	59	新几内亚东部地区 Eastern New Guinea region	
	16	08												
880	16	01-53-21.3	16.22N	146.19E	130					5.4	1.1	93	马里亚纳群岛 Marianas	
	16	09												
881	16	03-32-41.5	43.74N	120.30E	14	4.1	4.6					2.6	41	中国东北部 North-Eastern China
	16	11												
882	16	07-36-37.7	28.08N	99.70E	18		3.8					2.5	13	云南省 Yunnan Province
	16	15												
883	16	08-31-55.5	33.98N	136.85E	361					4.3	0.8	40	本州南部南海岸近海 Near south coast of Southern Honshu	
	16	16												
884	16	09-51-32.6	37.19N	72.13E	132							1.6	15	阿富汗——苏联边境地区 Afghanistan-USSR border region
	16	17												
885	16	17-05-12.4	43.73N	120.30E	19		3.7					2.8	17	中国东北部 North-Eastern China
	17	01												
886	16	19-53-45.4	43.96N	114.25E	10		3.4					4.5	6	中国东北部 North-Eastern China
	17	03												
887	16	21-17-08.4	10.41S	27.59E	6					4.7	5.4	1.4	50	扎伊尔 Zaire
	17	05												
888	16	21-24-31.0	51.38N	178.36W	36							4.8	39	安德烈亚诺夫群岛 Andreanof Islands
	17	05												
889	17	02-50-37.7	17.50S	72.23W	25	5.7				5.3	5.4	1.7	68	智利北部海岸远海 Off coast of Northern Chile
	17	10												
890	17	05-11-33.5	58.48S	25.18W	31	6.3		6.0	6.1	5.5	2.6	73	南桑德韦奇群岛地区 South Sandwich Islands region	
	17	13												
891	17	06-32-29.1	58.46S	25.24W	30							5.0	20	南桑德韦奇群岛地区 South Sandwich Islands region
	17	14												
892	17	09-49-42.2	39.29N	143.45E	27	5.0				4.9	4.8	1.7	73	本州东海岸近海 Near east coast of Honshu
	17	17												
893	17	09-54-28.9	39.34N	143.37E	41	5.0				4.9	4.7	1.6	71	本州东海岸近海 Near east coast of Honshu
	17	17												
894	18	01-15-31.8	39.14N	112.27E	12		3.7					3.1	22	中国东北部 North-Eastern China
	18	09												
895	18	05-18-36.1	24.81N	93.88E	72							1.9	24	缅甸——印度边境地区 Burma-India border region
	18	13												
896	18	17-13-29.2	25.03S	177.28W	202							5.1	33	斐济以南地区 South of Fiji
	19	01												
897	18	21-11-52.2	42.08N	75.83E	21		3.7					2.2	9	吉尔吉斯 Kirgiziya
	19	05												
898	18	22-42-53.2	39.39N	143.31E	25	4.3				3.5	4.6	1.9	60	本州东海岸近海 Near east coast of Honshu
	19	06												
899	18	23-51-27.6	19.55N	110.76E	10		3.6					4.9	5	海南岛 Hai-nan Island
	19	07												
900	19	01-56-29.8	41.44N	142.10E	82	4.2				5.0	1.8	84	本州东海岸近海 Near east coast of Honshu	
	19	09												
901	19	05-37-19.7	29.95N	130.11E	39	4.3				4.9	1.9	44	琉球群岛 Ryukyu Islands	
	19	13												
902	19	05-54-12.3	21.89N	142.97E	293			5.3		5.2	0.9	96	马里亚纳群岛地区 Marianas region	
	19	13												
903	19	12-07-26.0	31.47N	109.28E	11		3.0					3.4	8	四川省 Sichuan Province
	19	20												
904	19	17-33-39.1	25.36N	103.41E	14		3.0					3.1	7	云南省 Yunnan Province
	20	01												



905	19	18-53-42.4	17.93S	178.48W	588						5.1	1.1	22	斐济地区 Fiji region
	20	02												
906	19	19-01-45.0	3.73N	126.62E	66						5.0	0.8	40	塔劳群岛 Talaud Islands
	20	03												
907	19	19-10-48.4	3.82N	126.70E	40	5.3	5.7	5.2	5.5	1.2			111	塔劳群岛 Talaud Islands
	20	03												
908	19	19-25-07.0	3.72N	126.47E	33	4.8				4.9	1.2		60	塔劳群岛 Talaud Islands
	20	03												
909	19	20-48-51.6	1.90N	127.37E	77	5.2	6.1			5.7	1.1		108	马鲁古海峡 Molucca Passage
	20	04												
910	19	21-38-35.4	44.77N	93.26E	5		3.0				2.7		5	新疆自治区北部 Northern Xinjiang Province
	20	05												
911	19	22-05-02.6	56.44N	156.48W	77					5.2	0.7		76	阿拉斯加以南地区 South of Alaska
	20	06												
912	19	23-10-23.6	9.55S	120.64E	46	4.9		4.4	5.3	1.5			39	松巴地区 Sumba region
	20	07												
913	20	02-31-52.5	35.93N	80.30E	12		3.7				3.8		5	克什米尔—西藏边境地区 Kashmir-Tibet border region
	20	10												
914	20	02-38-57.3	6.67S	153.28E	10	5.2				5.2	1.2		55	新不列颠地区 New Britain region
	20	10												
915	20	03-50-07.4	39.04N	44.05E	50	5.3	5.4	4.7	5.0	1.5			74	土耳其 Turkey
	20	11												
916	20	04-25-36.4	1.03N	30.34W	9	5.7		5.3	5.8	1.3			54	中大西洋中部海岭 Central Mid-Atlantic Ridge
	20	12												
917	20	06-40-24.7	27.07N	86.73E	52	4.9	5.0		5.4	1.5			96	尼泊尔—印度边境地区 Nepal-India border region
	20	14												
918	20	08-03-11.1	16.80S	177.17W	31			5.0	5.1	1.9			32	斐济地区 Fiji region
	20	16												
919	20	10-27-41.9	28.06N	130.12E	35	5.0	5.3	5.3	5.2	2.1			82	琉球群岛 Ryukyu Islands
	20	18												
920	20	13-30-16.8	30.90N	50.11E	43					4.6	1.0		24	伊朗西部 Western Iran
	20	21												
921	20	14-54-26.8	10.60N	57.08E	11					5.0	1.0		44	卡尔斯伯格海岭 Carlsberg Ridge
	20	22												
922	20	21-43-06.6	8.12S	109.00E	102					4.6	1.3		23	爪哇岛 Java
	21	05												
923	20	22-56-58.4	38.97N	114.92E	13		3.1				1.8		13	中国东北部 North-Eastern China
	21	06												
924	21	09-02-56.8	32.95N	125.05E	16		3.8				2.6		5	中国东部海岸远海 Off coast of Eastern China
	21	17												
925	21	10-01-47.2	39.00N	44.05E	45	4.6		4.0	4.7	0.9			28	土耳其 Turkey
	21	18												
926	21	16-01-51.3	24.74N	122.72E	114					3.9	1.2		49	台湾地区 Taiwan region
	22	00												
927	21	16-27-30.0	23.86N	121.61E	8	4.7	4.4			4.3	2.3		48	台湾岛 Taiwan
	22	00												
928	21	18-27-57.2	44.34N	152.17E	25	4.6	5.3	5.0	5.4	0.9			89	千岛群岛地区 Kurile Islands region
	22	02												
929	21	18-56-43.8	2.38S	102.19E	204					4.7	0.9		73	苏门答腊南部 Southern Sumatra
	22	02												
930	21	20-17-28.9	3.16N	126.88E	69	4.9	5.4			5.1	1.1		67	马鲁古海峡 Molucca Passage
	22	04												



931	21	20-22-18.8	4.93N	127.35E	40		4.7	5.1	1.9	29	塔劳群岛 Talaud Islands	
	22	04										
932	21	21-38-43.0	4.85N	127.04E	64				1.6	19	塔劳群岛 Talaud Islands	
	22	05										
933	22	01-54-07.9	30.78N	50.29E	32	5.0	5.5	4.4	5.1	0.9	79 伊朗西部 Western Iran	
	22	09										
934	22	04-03-34.8	17.20N	61.54W	61				5.0	1.1	22 背风群岛 Leeward Islands	
	22	12										
935	22	09-30-06.4	49.86N	78.07E	1	4.7			4.9	1.6	32 哈萨克东部 Eastern Kazakhstan	
	22	17										
936	23	05-42-58.0	36.80N	72.97E	34	4.8	5.0	5.2	4.3	4.8	2.5	63 阿富汗——苏联边境地区 Afghanistan-USSR border region
	23	13										
937	23	06-48-49.3	40.46N	78.38E	26	4.1				4.0	9 新疆自治区南部 Southern Xinjiang Province	
	23	14										
938	23	19-04-06.2	29.22N	99.60E	14	4.1	3.9		4.4	2.6	37 云南省 Yunnan Province	
	24	03										
939	23	22-30-37.3	34.34N	105.15E	14	3.6				2.5	15 甘肃省 Gansu Province	
	24	06										
940	24	02-37-25.5	13.72N	124.88E	43	5.2	5.3	5.3	5.1	1.4	91 吕宋岛 Luzon	
	24	10										
941	24	15-59-10.4	51.94N	175.82E	32	5.0		4.5	5.0	0.9	75 拉特群岛 Rat Islands	
	24	23										
942	24	20-03-28.6	23.54N	121.86E	43	5.3	5.2	5.4	5.5	5.5	1.6	113 台湾岛 Taiwan
	25	04										
943	24	20-49-32.6	40.84N	28.29E	16	5.0			5.0	1.5	68 土耳其 Turkey	
	25	04										
944	25	01-19-28.7	23.83S	176.70W	86				5.5	0.7	49 斐济以南地区 South of Fiji	
	25	09										
945	25	06-11-33.3	58.78S	25.58W	31			4.3	5.4	2.2	27 南桑德韦奇群岛地区 South Sandwich Islands region	
	25	14										
946	25	06-30-13.0	58.65S	25.32W	31				5.3	1.9	23 南桑德韦奇群岛地区 South Sandwich Islands region	
	25	14										
947	25	10-10-33.6	7.72S	158.36E	46	5.9	6.4	6.0	6.1	1.0	102 所罗门群岛 Solomon Islands	
	25	18										
948	25	12-59-12.5	1.81N	126.56E	73				5.0	1.4	68 马鲁古海峡 Molucca Passage	
	25	20										
949	25	13-40-04.1	30.46N	103.27E	13	4.6	4.7		4.8	2.2	76 四川省 Sichuan Province	
	25	21										
950	25	16-04-01.8	26.86N	86.63E	65				4.8	1.4	26 尼泊尔——印度边境地区 Nepal-India border region	
	26	00										
951	25	16-40-31.1	13.72N	125.08E	38	4.2	4.9		4.7	1.9	36 吕宋岛 Luzon	
	26	00										
952	25	17-40-05.7	36.70N	72.67E	56	4.4	4.6		4.1	4.7	1.6	42 阿富汗——苏联边境地区 Afghanistan-USSR border region
	26	01										
953	25	18-53-42.6	7.76S	158.33E	65				4.6	4.8	1.1	53 所罗门群岛 Solomon Islands
	26	02										
954	25	20-09-24.0	78.61N	6.43E	11	5.6			4.4	4.8	1.5	43 斯瓦巴德地区 Svalbard region
	26	04										
955	26	00-53-43.3	42.35N	16.58E	14	5.6	5.6	5.4	5.1	0.9	85 意大利南部 Southern Italy	
	26	08										
956	26	01-32-58.2	13.53N	125.21E	34	4.5			4.7	1.5	24 吕宋岛 Luzon	
	26	09										



957	26	01-47-31.5	57.94N	142.83W	12	5.9	5.9	5.6	5.4	1.9	94	阿拉斯加湾 Gulf of Alaska
	26	09										
958	26	11-42-02.2	25.60N	142.70E	33	4.1		4.8		1.2	47	硫黄列岛地区 Volcano Islands region
	26	19										
959	26	15-16-26.6	37.88N	106.29E	24	3.5	3.9			2.5	19	中国北部 Northern China
	26	23										
960	26	17-36-55.5	37.86N	101.77E	12		3.3			1.2	6	青海省 Qinghai Province
	27	01										
961	26	21-07-20.7	7.76S	158.29E	66			4.6	0.9		25	所罗门群岛 Solomon Islands
	27	05										
962	26	22-11-38.9	51.45N	174.99E	38	4.7		4.7		1.2	25	阿留申群岛地区 Aleutian Islands region
	27	06										
963	27	05-43-40.0	37.71N	106.35E	6		3.5			2.6	11	中国北部 Northern China
	27	13										
964	27	07-00-05.1	13.59N	125.00E	35	4.7	5.2	4.2	4.7	1.5	46	吕宋岛 Luzon
	27	15										
965	27	08-05-27.1	3.80N	126.73E	46			3.6	4.8	1.3	46	塔劳群岛 Talaud Islands
	27	16										
966	27	16-14-39.2	39.31N	75.67E	24		3.8			3.6	7	新疆维吾尔自治区南部 Southern Xinjiang Province
	28	00										
967	27	17-05-28.9	39.55N	95.32E	8		4.2			2.8	11	甘肃省 Gansu Province
	28	01										
968	27	21-21-47.2	25.18S	179.66E	494			5.0	0.9		15	斐济以南地区 South of Fiji
	28	05										
969	27	21-58-53.4	41.86N	84.42E	17		3.0			1.2	7	新疆维吾尔自治区南部 Southern Xinjiang Province
	28	05										
970	27	22-16-00.8	29.48N	129.74E	28	3.8		3.7	2.8		23	琉球群岛 Ryukyu Islands
	28	06										
971	28	09-19-02.3	24.64N	103.04E	5		3.3			2.6	6	云南省 Yunnan Province
	28	17										
972	28	10-02-16.9	41.83N	127.71E	26		3.2			2.2	5	北朝鲜 North Korea
	28	18										
973	28	17-29-03.3	23.96N	121.68E	6	4.1	4.0	4.5	2.3		32	台湾岛 Taiwan
	29	01										
974	28	20-02-13.2	31.80N	116.25E	5		3.0			4.3	6	中国东部 Eastern China
	29	04										
975	28	22-41-09.2	18.03S	178.44W	636		5.5	5.3	0.8		59	斐济地区 Fiji region
	29	06										
976	29	10-47-18.6	26.22N	99.90E	4		3.4			3.6	6	云南省 Yunnan Province
	29	18										
977	29	13-22-16.8	13.90N	124.91E	37			4.6	1.7		23	吕宋岛 Luzon
	29	21										
978	29	16-54-20.9	19.82S	134.17E	5			4.4	1.8		24	澳北区 Northern Territory, Australia
	30	00										
979	29	17-26-47.8	3.91S	103.79W	20			5.1	5.3	2.6	30	复活节岛海山北部 Northern Easter I. Cordillera
	30	01										
980	29	21-19-30.3	15.91N	145.19E	34			4.3	1.5		19	马里亚纳群岛地区 Marianas region
	30	05										
981	30	16-25-06.0	4.76N	35.31E	9			4.2	2.0		12	苏丹 Sudan
	1	00										
982	30	17-58-35.1	50.21S	115.66E	12			5.0	0.5		22	澳大利亚以南地区 South of Australia
	1	01										



983	30	22-40-14.4	0.31S	124.54E	80		4.4	1.8	32	马鲁古海	
	1	06								Molucca Sea	
984	30	23-00-02.6	0.33S	124.58E	93		4.9	1.5	57	马鲁古海	
	1	07								Molucca Sea	
May 1988											
985	1	05-47-42.5	18.17N	146.21E	126		5.1	2.2	34	马里亚纳群岛	
	1	13								Marianas	
986	1	10-06-46.4	49.42N	157.45E	49	5.0	5.1	1.2	97	千岛群岛地区	
	1	18								Kurile Islands region	
987	1	15-22-07.0	11.61S	166.54E	128		5.5	5.6	0.9	89 圣克鲁斯群岛	
	1	23								Santa Cruz Islands	
988	1	18-24-19.3	39.60N	118.49E	13	3.6			2.8	21 中国东北部	
	2	02								North-Eastern China	
989	1	23-06-32.3	55.97S	27.52W	138		6.0	5.9	2.8	90 南桑德韦奇群岛地区	
	2	07								South Sandwich Islands region	
990	2	02-13-25.6	40.14N	82.30E	10	4.7 5.0	4.1	4.9	1.9	69 新疆维吾尔自治区南部	
	2	10								Southern Xinjiang Province	
991	2	03-08-37.4	51.22N	179.67E	37				4.9	1.2 43 拉特群岛	
	2	11								Rat Islands	
992	2	07-11-20.2	39.00N	101.24E	7	3.7			2.5	7 甘肃省	
	2	15								Gansu Province	
993	2	08-41-21.0	13.46N	124.98E	26	4.4	4.9	4.3	4.7	1.4 61 萨马岛	
	2	16								Samar	
994	2	21-21-36.7	25.07N	102.07E	26	3.0			2.2	8 云南省	
	3	05								Yunnan Province	
995	2	22-03-47.6	39.52N	93.95E	5	3.3			2.5	6 新疆维吾尔自治区南部	
	3	06								Southern Xinjiang Province	
996	3	00-36-21.5	40.61N	78.32E	23	3.9			2.6	12 吉尔吉斯——新疆边境地区	
	3	08								Kirgiziya-Xinjiang border region	
997	3	02-29-02.2	23.81N	114.67E	14	3.0			4.9	8 中国东南沿海	
	3	10								Near south-eastern coast of China	
998	3	03-36-05.1	41.75N	89.54E	12	3.7			2.0	7 新疆维吾尔自治区南部	
	3	11								Southern Xinjiang Province	
999	3	06-30-27.0	37.95N	121.33E	21	3.3			1.8	9 中国东北部	
	3	14								North-Eastern China	
1000	3	08-20-39.1	28.98N	102.18E	7	3.1			1.4	7 四川省	
	3	16								Sichuan Province	
1001	3	08-41-21.4	42.38N	47.50E	31	4.5		3.7	4.6	1.3 24 高加索东部	
	3	16								Eastern Caucasus	
1002	3	08-53-46.4	32.03N	49.65E	58	4.7			4.8	0.7 36 伊朗西部	
	3	16								Western Iran	
1003	3	09-15-20.9	42.55N	47.66E	23	5.2		5.6	4.5	5.1 1.1 87 高加索东部	
	3	17								Eastern Caucasus	
1004	3	11-50-26.1	37.21N	70.65E	10	4.3			3.5	8 兴都库什地区	
	3	19								Hindu Kush region	
1005	3	15-59-16.5	24.07N	121.28E	20	3.5			1.4	10 台湾岛	
	3	23								Taiwan	
1006	3	19-04-05.1	24.09N	121.67E	43	4.2 4.2			3.8	1.9 41 台湾岛	
	4	03								Taiwan	
1007	3	19-11-05.5	8.54N	126.11E	35	4.4			5.0	1.7 41 棉兰老岛	
	4	03								Mindanao	



1008	3	20-28-18.4	44.55N	149.33E	39	5.0	5.5	5.0	5.7	1.0	99	千岛群岛
	4	04										Kurile Islands
1009	3	23-22-06.9	22.76S	170.41E	11	5.7	6.2	5.8	5.9	1.0	97	洛亚尔提群岛地区
	4	07										Loyalty Islands region
1010	4	00-01-31.8	17.26S	66.64E	10	5.7		5.2	1.7		38	马斯卡林群岛地区
	4	08										Mascarene Islands region
1011	4	00-57-06.0	49.99N	78.74E	1	5.1	5.7	6.1	1.0		123	哈萨克东部
	4	08										Eastern Kazakhstan
1012	4	05-12-41.3	41.42N	79.03E	5		3.7			2.2	8	新疆自治区南部
	4	13										Southern Xinjiang Province
1013	4	07-22-18.6	20.04S	178.39W	579			5.0	0.7		46	斐济地区
	4	15										Fiji region
1014	4	23-47-00.8	18.66N	146.20E	123		5.9	5.9	1.1		102	马里亚纳群岛
	5	07										Marianas
1015	5	00-03-19.5	2.68S	140.60E	24			5.7	5.4	1.1	67	西伊里安
	5	08										West Irian
1016	5	02-50-30.0	44.86N	148.83E	80			4.8	1.3		60	千岛群岛
	5	10										Kurile Islands
1017	5	07-57-50.2	18.16S	168.16E	40	5.3		5.3	5.2	1.0	58	瓦努阿图(新赫布里底)
	5	15										Vanuatu (New Hebrides)
1018	5	10-04-13.7	26.81S	113.29W	10	6.4	6.1	6.3	6.1	1.9	90	复活节岛地区
	5	18										Easter Island region
1019	5	11-19-22.3	19.05N	145.90E	204			4.9	1.5		38	马里亚纳群岛
	5	19										Marianas
1020	5	17-39-19.5	29.54S	71.60W	46	5.6		5.2	5.4	1.3	65	中智利海岸远海
	6	01										Off coast of Central Chile
1021	5	20-51-12.9	4.55S	102.89E	87			5.5	1.0		87	苏门答腊南部
	6	04										Southern Sumatera
1022	5	22-32-49.7	26.57S	113.61W	9	6.0		5.9	5.5	2.8	53	复活节岛地区
	6	06										Easter Island region
1023	5	23-35-32.6	49.90S	115.26E	11	5.5	5.8	5.5	5.6	1.1	76	澳大利亚以南地区
	6	07										South of Australia
1024	6	05-04-57.5	11.74N	142.92E	26	5.2	5.5	5.3	5.7	1.1	93	马里亚纳群岛以南地区
	6	13										South of the Marianas
1025	6	05-47-47.1	21.01S	173.87W	37	5.0	5.7	5.0	5.2	0.9	51	汤加
	6	13										Tonga
1026	6	09-23-34.0	12.16N	92.81E	22	4.9	5.5	4.8	5.2	1.0	90	安达曼群岛地区
	6	17										Andaman Islands region
1027	6	09-30-31.3	12.11N	92.89E	33			5.1	4.6	1.3	27	安达曼群岛地区
	6	17										Andaman Islands region
1028	6	10-41-34.9	43.58N	147.74E	31	4.4		4.4	1.1		36	千岛群岛
	6	18										Kurile Islands
1029	6	11-38-19.9	43.64N	147.70E	35			4.1	4.7	1.2	44	千岛群岛
	6	19										Kurile Islands
1030	6	14-46-15.3	11.59N	85.85W	78	6.5	6.3	5.7	1.8		89	尼加拉瓜海岸近海
	6	22										Near coast of Nicaragua
1031	6	16-34-05.1	13.35S	76.09W	43	5.9		5.9	1.7		107	秘鲁海岸近海
	7	00										Near coast of Peru
1032	6	17-46-10.6	32.33N	141.60E	50			4.8	1.2		32	本州以南地区
	7	01										South of Honshu
1033	6	19-14-56.7	32.98S	178.62W	50	5.6	5.8	5.8	5.6	1.9	56	克马德克群岛以南地区
	7	03										South of Kermadec Islands



1034	6	23-18-35.0	24.76N	120.99E	5	3.5				2.0	14	台湾岛 Taiwan	
	7	07											
1035	7	00-54-11.8	43.53N	147.79E	19	5.1	5.6	5.0	5.4	1.3	104	千岛群岛 Kurile Islands	
	7	08											
1036	7	00-57-14.6	43.88N	147.54E	30	5.1			5.3	1.4	56	千岛群岛 Kurile Islands	
	7	08											
1037	7	01-22-16.2	43.54N	147.73E	34	5.0	5.6	4.5	5.3	1.3	87	千岛群岛 Kurile Islands	
	7	09											
1038	7	01-25-41.3	39.93N	76.62E	20	3.9				2.8	6	新疆自治区南部 Southern Xinjiang Province	
	7	09											
1039	7	01-59-25.2	42.63N	143.76E	72	5.4	6.2		6.1	1.1	121	北海道地区 Hokkaido region	
	7	09											
1040	7	06-15-02.6	43.37N	147.84E	42	4.6		4.2	5.0	1.1	81	北海道海岸远海 Off coast of Hokkaido	
	7	14											
1041	7	06-24-55.3	43.53N	147.82E	30				4.7	1.2	38	千岛群岛 Kurile Islands	
	7	14											
1042	7	15-22-56.6	51.37N	177.87E	32			4.2	4.9	1.2	54	拉特群岛 Rat Islands	
	7	23											
1043	7	16-48-01.5	35.84N	80.79E	17	3.6				3.2	5	克什米尔——西藏边境地区 Kashmir-Tibet border region	
	8	00											
1044	7	19-10-51.6	20.91S	178.60W	504				4.6	1.5	32	斐济地区 Fiji region	
	8	03											
1045	7	21-07-43.7	21.56N	111.01E	16	3.0				4.8	5	中国东部 Eastern China	
	8	05											
1046	7	21-46-10.3	4.77S	101.74E	54	5.1		4.8	5.1	1.3	57	苏门答腊西南以远地区 South-west of Sumatra	
	8	05											
1047	7	22-49-57.3	73.33N	54.11E	4	4.8		3.8	5.6	1.2	113	新地岛 Novaya Zemlya	
	8	06											
1048	8	03-05-56.4	18.89N	146.99E	35	4.8		4.5	5.0	1.2	75	马里亚纳群岛 Marianas	
	8	11											
1049	8	06-50-19.4	35.35N	55.83E	42	5.0		4.0	4.8	0.9	86	伊朗 Iran	
	8	14											
1050	8	15-25-41.4	4.99S	102.21E	36			3.6	4.8	1.4	43	苏门答腊西南以远地区 South-west of Sumatra	
	8	23											
1051	8	17-49-47.8	19.18N	121.18E	29	4.9	4.8	5.5	5.2	5.2	1.5	120	吕宋岛 Luzon
	9	01											
1052	8	19-08-17.7	13.54N	125.14E	34				4.5	1.4	30	吕宋岛 Luzon	
	9	03											
1053	8	19-44-54.2	14.93N	120.18E	49	5.5	5.7	5.8	5.6	1.2	126	吕宋岛 Luzon	
	9	03											
1054	8	22-22-01.3	39.35N	118.09E	7	3.7	4.1		4.4	2.3	36	中国东北部 North-Eastern China	
	9	06											
1055	8	22-44-01.3	42.30N	143.00E	71	4.6			5.1	1.3	108	北海道地区 Hokkaido region	
	9	06											
1056	9	00-53-37.8	25.08N	97.97E	5	3.5				4.3	5	缅甸——中国边境地区 Burma-China border region	
	9	08											
1057	9	12-22-02.5	29.83S	177.83W	50				5.6	1.1	47	克马德克群岛 Kermadec Islands	
	9	20											
1058	9	16-03-37.6	28.99N	94.73E	24	4.8	4.9		5.1	1.8	101	印度——中国边境地区 India-China border region	
	10	00											
1059	9	16-19-27.4	24.22N	121.60E	19	3.6				1.5	12	台湾岛 Taiwan	
	10	00											



1060	9	16-52-04.7	37.66N	19.85E	44			4.7	1.3	36	爱奥尼亚海 Ionian Sea	
	10	00										
1061	10	01-25-42.6	38.65N	99.77E	6	3.5			2.6	8	青海省 Qinghai Province	
	10	09										
1062	10	03-00-24.2	13.54N	125.11E	33	4.3		4.9	1.8	45	吕宋岛 Luzon	
	10	11										
1063	10	04-32-42.5	26.29N	105.29E	8	3.7		4.6	2.7	25	中国东部 Eastern China	
	10	12										
1064	10	05-29-17.3	40.48N	122.44E	12	3.0			1.6	6	中国东北部 North-Eastern China	
	10	13										
1065	10	07-58-54.1	46.26N	142.97E	352			4.3	1.1	35	北海道地区 Hokkaido region	
	10	15										
1066	10	10-04-12.2	7.19S	123.85E	578		5.1	5.4	1.3	88	班达海 Banda Sea	
	10	18										
1067	10	10-46-10.7	29.19N	126.17E	11	3.8	4.0		2.5	14	中国东部海岸远海 Off coast of Eastern China	
	10	18										
1068	10	13-04-00.1	57.61N	142.91W	2			4.6	1.5	26	阿拉斯加湾 Gulf of Alaska	
	10	21										
1069	10	14-27-14.0	34.31N	25.10E	28			4.3	1.1	37	地中海 Mediterranean Sea	
	10	22										
1070	10	18-48-17.9	30.69N	138.53E	406			4.6	1.1	70	本州以南地区 South of Honshu	
	11	02										
1071	10	19-00-55.7	11.22N	57.36E	10	5.1		4.5	1.4	58	卡尔斯伯格海岭 Carlsberg Ridge	
	11	03										
1072	10	20-51-39.8	29.08N	94.80E	24	4.5	4.6	4.9	1.8	95	印度——中国边境地区 India-China border region	
	11	04										
1073	11	10-57-12.9	24.83N	121.88E	15	3.3			1.8	11	台湾岛 Taiwan	
	11	18										
1074	11	17-27-57.0	11.13S	116.29E	40	5.1	5.8	4.8	5.6	1.3	111	巴厘以南地区 South of Bali
	12	01										
1075	11	20-48-10.7	16.94N	119.33E	42	4.1		4.7	1.0	31	菲律宾群岛地区 Philippine Islands region	
	12	04										
1076	11	21-48-32.5	43.32N	125.65E	4	3.1			1.4	5	中国东北部 North-Eastern China	
	12	05										
1077	11	23-04-44.5	25.31N	96.47E	45	4.1	4.0	4.4	2.1	45	缅甸 Burma	
	12	07										
1078	12	00-57-01.9	38.13N	115.28E	16	3.6			2.1	20	中国东北部 North-Eastern China	
	12	08										
1079	12	01-03-26.6	2.43S	122.06E	33			4.1	4.8	1.6	30	苏拉威西(西里伯斯)岛 Sulawesi (Celebes)
	12	09										
1080	12	02-42-27.4	55.28N	160.21W	21			4.6	4.8	2.0	36	阿拉斯加半岛 Alaska Peninsula
	12	10										
1081	12	19-47-06.6	11.43S	116.40E	33			5.3	0.9	33	巴厘以南地区 South of Bali	
	13	03										
1082	12	20-28-24.4	11.35S	116.22E	34			5.0	1.1	29	巴厘以南地区 South of Bali	
	13	04										
1083	13	01-26-12.4	51.76N	178.43E	92			5.0	1.0	58	拉特群岛 Rat Islands	
	13	09										
1084	13	01-55-25.9	12.56S	165.65E	31	5.0		5.3	0.8	68	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	13	09										
1085	13	02-34-35.5	40.34N	82.24E	22	3.3			3.5	6	新疆自治区南部 Southern Xinjiang Province	
	13	10										



1086	13	03-08-42.9	35.61N	81.43E	5	4.0		2.8	8	克什米尔——西藏边境地区		
	13	11								Kashmir-Tibet border region		
1087	13	03-22-58.4	22.92S	174.76W	39		5.2	5.1	0.9	53 汤加地区		
	13	11								Tonga region		
1088	13	04-44-38.4	15.43S	174.90W	265		5.2	5.7	1.1	84 汤加		
	13	12								Tonga		
1089	13	05-44-09.0	47.75N	155.01E	32	4.7		4.8	1.1	39 千岛群岛		
	13	13								Kurile Islands		
1090	13	16-11-03.3	19.64N	120.22E	10	3.8	3.6	4.1	4.4	1.6	41 菲律宾群岛地区	
	14	00									Philippine Islands region	
1091	13	17-54-44.2	24.97N	121.35E	10		3.2		2.4	8 台湾岛		
	14	01									Taiwan	
1092	14	11-11-54.5	49.67N	154.09E	129			4.6	1.6	44 千岛群岛		
	14	19									Kurile Islands	
1093	14	13-48-00.4	8.57S	120.38E	32	4.9		4.5	5.2	1.3	83 松巴地区	
	14	21									Sumba region	
1094	14	17-44-01.8	9.11S	117.18E	99			4.8	1.3	38 松巴哇地区		
	15	01									Sumbawa region	
1095	14	18-30-13.9	36.00N	81.01E	23		3.5		1.6	8 克什米尔——西藏边境地区		
	15	02									Kashmir-Tibet border region	
1096	14	21-20-37.3	34.44N	122.67E	16		3.7		2.4	9 黄海		
	15	05									Yellow Sea	
1097	15	00-23-19.4	7.27S	128.40E	114			5.0	1.0	42 班达海		
	15	08									Banda Sea	
1098	15	00-55-15.7	13.52N	125.18E	37	3.9		4.6	1.4	40 吕宋岛		
	15	08									Luzon	
1099	15	02-38-11.3	27.99N	101.19E	9		3.1		2.7	11 云南省		
	15	10									Yunnan Province	
1100	15	08-22-04.4	43.91N	147.71E	52	4.8	5.6	5.4	1.2	110 千岛群岛		
	15	16									Kurile Islands	
1101	15	08-52-04.3	11.20N	139.97E	67			4.3	1.0	40 加罗林群岛西部		
	15	16									Western Caroline Islands	
1102	15	11-36-31.8	19.67N	145.95E	124			4.7	1.4	32 马里亚纳群岛		
	15	19									Marianas	
1103	15	14-41-18.1	30.53N	102.64E	18	4.0	3.8	4.6	2.3	26 四川省		
	15	22									Sichuan Province	
1104	15	16-08-13.2	23.87N	114.48E	10		3.0		3.3	5 中国东南沿海		
	16	00									Near south-eastern coast of China	
1105	15	16-51-07.3	36.09N	81.04E	15		3.5		3.5	9 克什米尔——西藏边境地区		
	16	00									Kashmir-Tibet border region	
1106	15	18-12-36.6	29.27N	142.45E	31	4.4		4.5	1.5	41 小笠原群岛地区		
	16	02									Bonin Islands region	
1107	15	18-26-15.3	44.06S	168.65E	7			6.0	5.0	5.6	1.3	31 新西兰南岛
	16	02										South Island, New Zealand
1108	15	20-23-05.2	29.93N	80.48E	24	4.3		4.8	1.5	70 印度北部		
	16	04										Northern India
1109	16	05-02-38.6	22.34N	121.79E	32	4.2	4.2	4.9	2.0	69 台湾地区		
	16	13										Taiwan region
1110	16	05-27-42.0	20.09N	121.95E	26		3.5	3.7	1.9	24 菲律宾群岛地区		
	16	13										Philippine Islands region
1111	16	06-29-49.2	6.54S	130.31E	97			5.2	1.6	57 班达海		
	16	14										Banda Sea



1112	16	07-01-10.6	12.51S	166.43E	56					5.2	1.1	86	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)		
	16	15													
1113	16	08-42-39.6	24.47N	126.82E	33	4.4				4.4	1.6	43	琉球群岛地区 Ryukyu Islands region		
	16	16													
1114	16	11-29-30.6	44.19N	85.19E	13		3.1				1.2	7	新疆自治区北部 Northern Xinjiang Province		
	16	19													
1115	16	16-56-26.5	11.57N	125.90E	34	4.0				4.2	4.9	1.5	54	萨马岛 Samar	
	17	00													
1116	16	23-07-36.3	13.95S	166.30E	15	5.6				6.0	5.7	6.0	1.0	118	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	17	07													
1117	17	09-06-41.3	25.97S	179.99E	474						5.0	1.2	50	斐济以南地区 South of Fiji	
	17	17													
1118	17	14-25-52.8	11.37S	170.69E	30	6.0				6.2	6.0	5.7	1.0	124	圣克鲁斯群岛地区 Santa Cruz Islands region
	17	22													
1119	17	17-45-34.1	0.17S	123.07E	127						5.0	1.2	65	米那哈沙半岛(西里伯斯) Minahassa Peninsula (Celebes)	
	18	01													
1120	17	20-39-37.7	6.01N	125.84E	168						4.8	1.4	63	棉兰老岛 Mindanao	
	18	04													
1121	17	23-01-06.5	41.29N	104.50E	31		3.5					1.8	7	中国北部 Northern China	
	18	07													
1122	18	05-17-41.5	38.44N	20.58E	25	5.3		5.5		5.4	1.1	100	爱奥尼亚海 Ionian Sea		
	18	13													
1123	18	05-39-51.3	13.56N	44.80W	10	5.6				5.5	5.3	1.1	39	北大西洋海岭 North Atlantic Ridge	
	18	13													
1124	18	06-13-45.6	52.29N	174.11E	32	5.0				4.9	5.2	1.1	99	尼尔群岛 Near Islands	
	18	14													
1125	18	08-00-52.0	47.78N	139.83E	538						4.5	1.0	96	东俄罗斯东海岸近海 Near east coast of Eastern Russia	
	18	16													
1126	18	09-09-45.8	38.44N	20.41E	36						4.4	1.5	20	爱奥尼亚海 Ionian Sea	
	18	17													
1127	18	09-24-45.7	7.46S	126.80E	226						4.9	1.0	41	班达海 Banda Sea	
	18	17													
1128	18	14-22-59.6	2.58S	140.22E	32						5.2	1.1	32	西伊里安 West Irian	
	18	22													
1129	18	19-46-18.9	39.01N	112.70E	9		3.1					2.5	12	中国东北部 North-Eastern China	
	19	03													
1130	18	20-01-09.1	3.56N	127.41E	22						4.8	1.5	12	塔劳群岛 Talaud Islands	
	19	04													
1131	18	20-25-54.5	32.23N	137.62E	401						4.3	0.7	44	本州以南地区 South of Honshu	
	19	04													
1132	18	22-14-58.9	3.41N	126.94E	65	4.4				4.4	4.8	1.7	65	马鲁古海峡 Molucca Passage	
	19	06													
1133	19	03-04-25.8	3.51N	127.02E	39	4.9				5.0	5.3	1.3	92	塔劳群岛 Talaud Islands	
	19	11													
1134	19	03-10-21.7	9.42S	149.03E	41	4.8					5.7	1.0	68	新几内亚东部地区 Eastern New Guinea region	
	19	11													
1135	19	03-22-31.6	20.63S	172.98W	33					5.1	5.5	1.2	63	汤加 Tonga	
	19	11													
1136	19	04-55-59.5	28.06N	142.75E	35	4.4					4.7	1.1	77	小笠原群岛地区 Bonin Islands region	
	19	12													
1137	19	08-01-08.1	30.82N	50.14E	66						4.4	0.9	20	伊朗西部 Western Iran	
	19	16													



1138	19	14-10-19.1	12.96N	88.83W	39			4.1	5.0	2.0	20	中美洲海岸远海	
	19	22										Off coast of Central America	
1139	19	16-28-43.4	7.18S	124.75E	555			5.2	0.8		24	班达海	
	20	00										Banda Sea	
1140	19	18-17-30.4	23.52N	121.34E	10	4.2	4.0		4.5	2.0	42	台湾岛	
	20	02										Taiwan	
1141	20	00-09-37.4	41.41N	89.44E	10		3.5			3.7	6	新疆维吾尔自治区南部	
	20	08										Southern Xinjiang Province	
1142	20	03-19-54.4	17.40S	69.38W	121			5.5	1.8		83	秘鲁——玻利维亚边境地区	
	20	11										Peru-Bolivia border region	
1143	20	05-55-55.9	36.21N	70.17E	145			4.7	1.5		45	兴都库什地区	
	20	13										Hindu Kush region	
1144	20	09-07-06.2	23.70N	121.37E	4	4.2	4.0		4.2	2.2	41	台湾岛	
	20	17										Taiwan	
1145	20	09-17-26.4	15.25S	173.90W	99		5.4	5.5	1.3		53	汤加	
	20	17										Tonga	
1146	20	14-58-43.5	8.31N	38.45W	9	6.2		5.9	5.8	1.6	56	中大西洋中部海岭	
	20	22										Central Mid-Atlantic Ridge	
1147	20	17-29-09.2	24.14N	122.61E	39		3.9		4.2	1.8	32	台湾地区	
	21	01										Taiwan region	
1148	20	19-42-44.5	23.59N	121.37E	5	4.2	4.4		4.2	1.8	42	台湾岛	
	21	03										Taiwan	
1149	21	00-08-24.3	1.22S	98.13E	30	6.0		5.8	5.3	5.1	1.3	96	苏门答腊西南以远地区
	21	08										South-west of Sumatera	
1150	21	00-17-12.6	23.90N	123.92E	38			5.3	4.3	1.3	11	琉球群岛西南部	
	21	08										South-western Ryukyu Islands	
1151	21	00-55-15.8	43.02N	84.53E	17		3.1			2.0	7	新疆维吾尔自治区北部	
	21	08										Northern Xinjiang Province	
1152	21	13-54-56.5	35.33N	105.13E	14		3.3			2.5	12	甘肃省	
	21	21										Gansu Province	
1153	21	14-28-40.1	32.95S	71.69W	42	6.0		5.7	5.5	1.8	60	中智利海岸远海	
	21	22										Off coast of Central Chile	
1154	21	15-15-45.8	1.02N	30.15W	9			5.6	5.5	2.7	48	中大西洋中部海岭	
	21	23										Central Mid-Atlantic Ridge	
1155	21	15-16-22.5	20.32S	173.55W	51	5.7		5.7	5.7	5.2	1.2	46	汤加
	21	23										Tonga	
1156	21	15-33-32.9	3.67S	151.57E	8	5.3			4.8	1.6	41	新不列颠地区	
	21	23										New Britain region	
1157	21	20-26-55.4	5.92S	148.69E	79	4.9			5.3	1.1	83	新不列颠地区	
	22	04										New Britain region	
1158	21	21-23-34.7	36.53N	82.83E	15	3.8	3.6			3.3	8	新疆维吾尔自治区南部	
	22	05										Southern Xinjiang Province	
1159	21	22-11-18.9	3.67S	151.55E	14	5.1		4.9	5.2	1.4	67	新不列颠地区	
	22	06										New Britain region	
1160	22	01-31-41.2	40.37N	109.27E	25		3.7			1.9	15	中国北部	
	22	09										Northern China	
1161	22	03-44-14.2	38.52N	20.63E	19	5.1			5.0	1.2	68	希腊	
	22	11										Greece	
1162	22	09-39-55.0	53.70N	163.41W	33	6.1		6.0	5.7	5.7	0.9	117	乌尼马克岛地区
	22	17										Unimak Island region	
1163	22	12-47-25.4	17.37S	69.47W	157			5.3	2.4		56	秘鲁——玻利维亚边境地区	
	22	20										Peru-Bolivia border region	



1164	22	19-18-46.3	62.29N	124.09W	11		4.2	5.2	0.9	70	加拿大西北地区 Northwest Territories	
	23	03										
1165	22	21-36-59.0	37.63N	101.39E	9	3.4			3.5	8	青海省 Qinghai Province	
	23	05										
1166	22	23-29-33.5	51.21N	175.46W	32		4.8	1.1		66	安德烈亚诺夫群岛 Andreanof Islands	
	23	07										
1167	23	00-28-04.8	28.44S	68.70W	117		5.6	1.2		70	智利——阿根廷边境地区 Chile-Argentina border region	
	23	08										
1168	23	03-12-26.9	40.58N	121.91E	18	4.0			2.4	26	中国东北部 North-Eastern China	
	23	11										
1169	23	14-54-18.2	40.40N	77.57E	15	4.0			3.2	12	新疆自治区南部 Southern Xinjiang Province	
	23	22										
1170	23	18-51-03.2	52.54N	158.94E	33		4.1	5.0	1.3	29	堪察加东海岸近海 Near east coast of Kamchatka	
	24	02										
1171	23	22-54-26.8	10.50S	152.35E	27	5.0	4.8	5.4	0.9	80	当特尔卡斯托群岛地区 D'Entrecasteaux Islands region	
	24	06										
1172	24	15-39-23.4	27.15N	100.95E	12	4.0	3.8		4.3	2.5	30	云南省 Yunnan Province
	24	23										
1173	25	00-05-20.9	40.66N	77.67E	19	4.8	3.8	4.9	1.6	37	吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	25	08										
1174	25	00-34-47.7	37.62N	106.34E	12	3.2			2.3	12	中国北部 Northern China	
	25	08										
1175	25	00-38-05.9	49.50S	123.08E	11		5.1	4.8	0.9	14	澳大利亚以南地区 South of Australia	
	25	08										
1176	25	02-04-48.9	40.56N	77.75E	31	3.8			2.8	10	吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	25	10										
1177	25	04-39-25.4	10.45S	152.36E	28	5.1	5.7	4.8	5.3	1.0	93	当特尔卡斯托群岛地区 D'Entrecasteaux Islands region
	25	12										
1178	25	12-41-11.4	27.90N	139.45E	532		4.5		5.0	0.8	100	小笠原群岛地区 Bonin Islands region
	25	20										
1179	25	14-05-15.6	50.64N	174.60W	34	5.2	5.9	4.9	5.7	0.8	105	安德烈亚诺夫群岛 Andreanof Islands
	25	22										
1180	25	14-40-55.3	50.69N	174.62W	31			4.9	1.1	45	安德烈亚诺夫群岛 Andreanof Islands	
	25	22										
1181	25	17-00-58.9	21.83S	138.99W	4		4.9	5.6	1.1	28	土阿莫土群岛地区 Tuamotu Archipelago region	
	26	01										
1182	25	18-21-57.5	41.97N	85.64E	21	4.8	5.5	5.0	5.2	1.6	101	新疆自治区南部 Southern Xinjiang Province
	26	02										
1183	25	22-52-51.3	46.51N	98.88E	23	4.5	5.0		4.1	2.6	29	蒙古 Mongolia
	26	06										
1184	26	12-26-31.4	9.19S	124.59E	60	4.7	4.5	4.8	1.1	67	帝汶岛 Timor	
	26	20										
1185	26	16-14-23.8	18.31S	177.83W	540			4.9	0.9	48	斐济地区 Fiji region	
	27	00										
1186	26	19-01-33.2	49.08N	128.64W	17	4.9	4.8	5.1	1.9	51	温哥华岛地区 Vancouver Island region	
	27	03										
1187	26	21-55-59.0	39.58N	118.25E	14	3.3			2.4	17	中国东北部 North-Eastern China	
	27	05										
1188	27	02-44-21.1	25.04S	176.89W	95		5.2	1.0		46	斐济以南地区 South of Fiji	
	27	10										
1189	27	21-51-52.3	24.63N	121.99E	50	4.3	4.5	4.5	1.7	65	台湾岛 Taiwan	
	28	05										



1190	27	22-45-26.8	39.87N	118.33E	16	3.1		2.3	12	中国东北部 North-Eastern China		
	28	06										
1191	28	03-16-15.7	51.21N	174.84W	42		4.5	1.2	23	安德烈亚诺夫群岛 Andreasof Islands		
	28	11										
1192	28	04-05-43.7	4.04S	133.69E	17		5.2	1.3	49	西伊里安地区 West Irian region		
	28	12										
1193	28	06-00-06.9	28.23N	104.44E	16	3.3		2.2	16	云南省 Yunnan Province		
	28	14										
1194	28	07-57-37.3	20.68S	178.74W	606		4.8	1.0	25	斐济地区 Fiji region		
	28	15										
1195	28	10-24-38.3	31.73S	111.05W	4		5.2	2.7	30	复活节岛海山 Easter Island Cordillera		
	28	18										
1196	28	15-13-52.2	12.24S	166.86E	57		5.1	1.4	52	圣克鲁斯群岛 Santa Cruz Islands		
	28	23										
1197	28	16-27-24.4	17.82S	178.61W	565		5.7	5.7	0.7	89	斐济地区 Fiji region	
	29	00										
1198	28	19-41-55.3	4.52N	95.00E	60		4.3	1.2	31	北苏门答腊西海岸远海 Off west coast of Northern Sumatera		
	29	03										
1199	29	06-24-21.0	16.57S	172.55W	33	5.3	5.7	5.0	5.3	1.3	63	汤加 Tonga
	29	14										
1200	29	06-29-29.9	41.16N	112.84E	19	3.0			1.0	7	中国东北部 North-Eastern China	
	29	14										
1201	29	11-52-48.1	6.70N	125.52E	252		4.9	4.8	1.0	96	棉兰老岛 Mindanao	
	29	19										
1202	30	04-52-41.3	41.34N	81.12E	23	3.7	3.5		3.5	10	新疆自治区南部 Southern Xinjiang Province	
	30	12										
1203	30	08-13-51.7	37.60N	105.11E	15	3.1			3.5	6	中国北部 Northern China	
	30	16										
1204	30	08-36-23.8	11.68N	125.89E	33	4.2	5.1	4.8	1.1	54	萨马岛 Samar	
	30	16										
1205	30	10-45-11.1	36.41N	140.74E	69	3.9		4.9	1.4	57	本州东海岸近海 Near east coast of Honshu	
	30	18										
1206	30	11-10-36.0	15.37S	167.41E	140			5.0	0.9	53	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	30	19										
1207	30	18-00-56.2	33.50N	88.64E	34	4.6		4.9	2.0	48	西藏自治区 Tibet	
	31	02										
1208	30	18-50-28.1	43.67N	82.16E	13	3.4			3.2	9	新疆自治区北部 Northern Xinjiang Province	
	31	02										
1209	30	21-11-10.6	7.48S	128.41E	86	6.4	7.0	6.5	1.1	122	班达海 Banda Sea	
	31	05										
1210	30	21-22-12.2	31.55S	69.05W	95			5.8	1.2	51	阿根廷门多萨省 Mendoza Province, Argentina	
	31	05										
1211	30	21-46-14.9	7.54S	128.33E	33			5.3	1.3	20	帝汶岛 Timor	
	31	05										
1212	31	01-37-19.6	6.70S	130.68E	119			5.0	1.4	38	塔宁巴尔群岛地区 Tanimbar Islands region	
	31	09										
1213	31	14-20-18.9	20.01S	168.66E	27		4.8	4.8	1.2	33	洛亚尔提群岛 Loyalty Islands	
	31	22										
1214	31	18-51-36.8	20.53S	175.41W	33			5.1	1.4	26	汤加 Tonga	
	1	02										

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1215	1	12-50-50.8	6.61S	127.52E	413			4.6	0.9	23	班达海 Banda Sea
	1	20									
1216	2	02-53-47.7	26.30S	108.43W	10			4.7	2.3	18	复活节岛地区 Easter Island region
	2	10									
1217	2	05-39-35.6	30.60N	101.55E	6	4.5	4.8	4.2	2.2	66	四川省 Sichuan Province
	2	13									
1218	2	06-11-42.5	30.61N	101.49E	9	5.0	5.1	4.5	4.7	2.0	85 四川省 Sichuan Province
	2	14									
1219	2	06-45-37.2	30.34N	101.36E	12		3.5			2.7	10 四川省 Sichuan Province
	2	14									
1220	2	10-35-23.7	38.36N	20.53E	10			3.3	4.6	1.8	29 爱奥尼亚海 Ionian Sea
	2	18									
1221	2	12-59-58.6	37.26N	116.41W	0			4.2	5.4	1.1	59 加利福尼亚州——内华达州边境地区 California-Nevada border region
	2	20									
1222	2	13-31-23.3	18.54S	174.48W	31			4.9	1.0		30 汤加 Tonga
	2	21									
1223	2	13-48-19.9	52.37N	170.63W	32			4.3	4.9	0.8	67 福克斯群岛 Fox Islands
	2	21									
1224	3	01-13-46.4	19.93S	177.68W	386			4.8	0.8		37 斐济地区 Fiji region
	3	09									
1225	3	03-17-20.5	30.60N	101.46E	8	4.1	4.0			2.3	33 四川省 Sichuan Province
	3	11									
1226	3	05-49-57.6	36.57N	71.48E	88	4.6		5.0	1.5		61 兴都库什地区 Hindu Kush region
	3	13									
1227	3	10-13-14.6	18.69S	169.22E	229			4.8	0.7		57 瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	3	18									
1228	3	12-21-23.1	35.74N	135.22E	366			4.9	4.8	1.0	98 本州南部 Southern Honshu
	3	20									
1229	3	14-02-21.0	40.28N	75.21E	5		3.8			3.2	13 新疆自治区南部 Southern Xinjiang Province
	3	22									
1230	3	15-39-21.8	53.17N	170.49W	165			5.1	0.6		76 福克斯群岛 Fox Islands
	3	23									
1231	3	17-41-59.9	11.37S	116.33E	39			5.5	1.1		47 巴厘以南地区 South of Bali
	4	01									
1232	3	18-26-06.0	36.28N	70.65E	127			5.4	5.1	1.0	111 兴都库什地区 Hindu Kush region
	4	02									
1233	3	23-27-34.7	44.99S	167.60E	81	6.4	6.6	6.0	1.3		100 新西兰南岛 South Island, New Zealand
	4	07									
1234	4	00-00-50.0	37.15N	71.70E	98			4.7	1.6		38 阿富汗——苏联边境地区 Afghanistan-USSR border region
	4	08									
1235	4	03-09-01.0	36.98N	45.22E	42			4.8	0.9		31 伊朗——伊拉克边境地区 Iran-Iraq border region
	4	11									
1236	4	07-24-21.6	56.01N	113.60E	31	4.7		4.8	2.5		63 贝加尔湖以东地区 East of Lake Baykal
	4	15									
1237	4	09-57-22.0	23.24N	120.31E	8		3.9			3.2	13 台湾地区 Taiwan region
	4	17									
1238	4	12-32-20.5	23.85N	125.55E	34	4.1	4.3	4.2	2.2		33 琉球群岛西南部 South-western Ryukyu Islands
	4	20									
1239	4	14-31-09.5	24.87N	126.71E	78	4.3		4.7	2.2		63 琉球群岛 Ryukyu Islands
	4	22									
1240	4	22-41-51.0	3.48S	142.88E	32	4.8		4.5	4.9	1.7	53 新几内亚北海岸近海 Near north coast of New Guinea
	5	06									



1241	5	01-30-55.6	9.24S	157.83E	10		4.9	0.7	22	所罗门群岛	
	5	09								Solomon Islands	
1242	5	01-41-32.6	21.45S	178.17W	438		5.0	0.9	49	斐济地区	
	5	09								Fiji region	
1243	5	08-56-13.0	39.43N	142.40E	51	3.9	4.8	1.7	68	本州东海岸近海	
	5	16								Near east coast of Honshu	
1244	5	13-55-09.1	36.35N	82.42E	5	3.6 4.2		2.9	10	新疆维吾尔自治区南部	
	5	21								Southern Xinjiang Province	
1245	5	15-54-44.2	5.41S	147.20E	206		5.0	0.9	49	新几内亚东部地区	
	5	23								Eastern New Guinea region	
1246	5	18-22-48.6	15.33S	167.65E	114		6.4	6.0	0.8	110	瓦努阿图(新赫布里底)
	6	02								Vanuatu (New Hebrides)	
1247	5	19-30-40.6	15.58S	167.36E	143		4.2	1.2	24	瓦努阿图(新赫布里底)	
	6	03								Vanuatu (New Hebrides)	
1248	5	19-55-01.6	51.19N	175.09W	39		4.8	1.2	19	安德烈亚诺夫群岛	
	6	03								Andreanof Islands	
1249	5	20-04-07.2	15.50S	167.56E	141		4.6	0.9	35	瓦努阿图(新赫布里底)	
	6	04								Vanuatu (New Hebrides)	
1250	5	21-46-57.3	25.65N	142.68E	43	4.1	5.1	1.4	65	硫黄列岛地区	
	6	05								Volcano Islands region	
1251	6	05-08-37.9	36.56N	111.66E	11	3.3		3.3	14	中国东部	
	6	13								Eastern China	
1252	6	05-11-25.5	37.14N	80.78E	5	3.7		2.1	9	新疆维吾尔自治区南部	
	6	13								Southern Xinjiang Province	
1253	6	05-57-39.6	38.43N	20.54E	9		4.7	1.3	45	爱奥尼亚海	
	6	13								Ionian Sea	
1254	6	08-42-00.8	29.85N	51.06E	33	4.5	4.4	4.9	1.1	75	伊朗南部
	6	16								Southern Iran	
1255	6	09-01-58.8	40.39N	76.92E	25	4.1		1.9	6	新疆维吾尔自治区南部	
	6	17								Southern Xinjiang Province	
1256	6	10-43-51.7	20.54S	173.50W	34	5.4	4.9	5.1	1.3	39	汤加
	6	18								Tonga	
1257	6	12-35-03.1	18.53N	145.75E	205		4.8	1.7	48	马里亚纳群岛	
	6	20								Marianas	
1258	6	15-01-26.4	59.09N	137.98W	13	5.0	4.6	5.0	1.1	70	阿拉斯加州东南部
	6	23								South-Eastern Alaska	
1259	6	17-28-45.6	29.06N	94.75E	27	3.9 4.2 4.6 3.6 4.7	2.4	51	印度——中国边境地区		
	7	01								India-China border region	
1260	6	19-04-07.7	36.46N	82.38E	8	4.1		3.2	11	新疆维吾尔自治区南部	
	7	03								Southern Xinjiang Province	
1261	6	20-23-11.8	23.98N	121.66E	22	3.8 3.9	3.9	2.3	24	台湾岛	
	7	04								Taiwan	
1262	7	01-24-55.4	39.72N	119.59E	8	3.0		2.1	11	中国东北部	
	7	09								North-Eastern China	
1263	7	03-24-34.8	36.37N	78.38E	20	3.8 4.0		3.2	15	克什米尔东部	
	7	11								Eastern Kashmir	
1264	7	03-40-19.7	42.18N	136.92E	322		4.0	1.0	46	日本海东部	
	7	11								Eastern Sea of Japan	
1265	7	16-09-02.0	25.26N	100.11E	6	3.5		1.8	7	云南省	
	8	00								Yunnan Province	
1266	7	17-46-49.0	37.18N	135.15E	373		4.1	1.0	15	日本海	
	8	01								Sea of Japan	



1267	7	18-02-29.7	7.68S	128.21E	88			4.9	1.2	45	帝汶岛 Timor	
	8	02										
1268	8	02-16-19.8	40.18N	77.85E	18	4.4	4.5	4.4	2.5	26	新疆自治区南部 Southern Xinjiang Province	
	8	10										
1269	8	05-06-23.2	41.57N	137.05E	327			3.9	1.0	23	日本海东部 Eastern Sea of Japan	
	8	13										
1270	8	05-17-11.1	26.49N	115.88E	29				3.4	8	中国东部 Eastern China	
	8	13										
1271	8	07-06-04.4	31.05N	99.90E	10				2.1	7	四川省 Sichuan Province	
	8	15										
1272	8	07-33-22.3	39.70N	118.70E	12				1.6	14	中国东北部 North-Eastern China	
	8	15										
1273	8	11-05-32.3	0.28S	125.08E	59			5.2	1.4	42	马鲁古海 Molucca Sea	
	8	19										
1274	8	11-28-21.3	14.72S	167.89E	62			4.8	1.0	35	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	8	19										
1275	8	14-56-04.4	43.38N	87.42E	24		3.3		3.2	8	新疆自治区北部 Northern Xinjiang Province	
	8	22										
1276	9	00-09-48.6	28.34N	56.86E	27	4.7		4.4	4.9	1.2	51	伊朗南部 Southern Iran
	9	08										
1277	9	00-35-33.3	6.06S	130.19E	130				5.1	0.9	56	班达海 Banda Sea
	9	08										
1278	9	06-26-52.8	44.13N	84.42E	25		3.0		1.6	6	新疆自治区北部 Northern Xinjiang Province	
	9	14										
1279	9	09-40-24.8	35.39N	99.49E	8	3.8	4.0	4.2	2.8	24	青海省 Qinghai Province	
	9	17										
1280	9	10-12-59.0	35.58N	99.48E	9	4.1	4.4	4.1	2.6	49	青海省 Qinghai Province	
	9	18										
1281	9	12-11-49.8	30.58N	79.23E	24		4.2	4.8	1.7	30	印度北部 Northern India	
	9	20										
1282	9	13-06-60.0	38.17N	106.36E	9		3.4		1.6	8	中国北部 Northern China	
	9	21										
1283	9	17-06-13.7	39.29N	105.85E	7		4.0		2.6	18	中国北部 Northern China	
	10	01										
1284	9	17-09-44.9	4.81N	127.91E	33			4.2	0.7	34	塔劳群岛 Talaud Islands	
	10	01										
1285	10	02-06-07.4	25.27N	100.08E	13		3.4		3.6	7	云南省 Yunnan Province	
	10	10										
1286	10	03-10-21.4	12.68S	166.84E	112		5.9	5.7	0.9	104	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)	
	10	11										
1287	10	05-06-47.7	13.97N	51.53E	10	5.0		4.8	4.7	1.9	53	亚丁湾东部 Eastern Gulf of Aden
	10	13										
1288	10	06-09-11.1	57.42S	25.76W	31				4.7	1.9	12	南桑德韦奇群岛地区 South Sandwich Islands region
	10	14										
1289	10	11-31-52.6	6.91S	72.22E	22	5.3	5.7	5.3	5.5	1.4	91	查戈斯群岛地区 Chagos Archipelago region
	10	19										
1290	10	12-15-38.6	32.48N	104.35E	9	3.7	4.0		3.1	25	四川省 Sichuan Province	
	10	20										
1291	10	14-00-58.0	43.22N	80.22E	18		3.9		2.9	13	阿拉木图地区 Alma-Ata region	
	10	22										
1292	10	21-11-16.0	39.25N	71.57E	36	4.3	4.5	4.8	1.5	45	阿富汗——苏联边境地区 Afghanistan-USSR border region	
	11	05										



1293	11	00-34-32.6	40.68N	122.58E	5	3.5			2.4	14	中国东北部 North-Eastern China	
	11	08										
1294	11	02-50-01.6	5.90S	151.14E	36	4.8		4.7	5.3	1.2	77 新不列颠地区 New Britain region	
	11	10										
1295	11	12-17-26.5	14.98S	173.48W	35	5.8		6.1	6.1	5.9	1.3	78 汤加 Tonga
	11	20										
1296	11	19-31-07.3	18.53S	176.24W	323				5.1	1.3	42 斐济地区 Fiji region	
	12	03										
1297	12	00-47-21.9	44.64N	149.75E	48				4.7	0.9	48 千岛群岛 Kurile Islands	
	12	08										
1298	12	03-09-44.0	33.43N	138.23E	294				4.6	1.2	64 本州以南地区 South of Honshu	
	12	11										
1299	12	07-17-07.1	38.95N	74.79E	20	4.2	4.3		4.5	2.4	30 塔吉克—新疆边境地区 Tadzhikistan-Xinjiang border region	
	12	15										
1300	12	10-15-46.6	28.58N	82.37E	32	4.7	4.7	5.0	4.3	4.8	1.5	76 尼泊尔—印度边境地区 Nepal-India border region
	12	18										
1301	12	13-23-30.9	10.74S	165.13E	62			5.6		5.0	1.1	66 圣克鲁斯群岛地区 Santa Cruz Islands region
	12	21										
1302	12	13-35-11.8	10.72S	165.18E	45	6.0			5.0	0.9	70 圣克鲁斯群岛地区 Santa Cruz Islands region	
	12	21										
1303	12	13-39-37.1	10.69S	165.24E	16	6.5		6.4	6.4	5.7	1.2	96 圣克鲁斯群岛地区 Santa Cruz Islands region
	12	21										
1304	12	15-53-05.2	10.70S	164.98E	58				4.7	1.6	35 圣克鲁斯群岛地区 Santa Cruz Islands region	
	12	23										
1305	12	16-06-49.5	10.87S	165.29E	40				4.8	0.9	31 圣克鲁斯群岛地区 Santa Cruz Islands region	
	13	00										
1306	12	17-07-56.8	10.84S	165.34E	34				4.9	2.1	26 圣克鲁斯群岛地区 Santa Cruz Islands region	
	13	01										
1307	12	17-18-29.2	6.07S	148.27E	71				4.9	1.2	31 新几内亚东部地区 Eastern New Guinea region	
	13	01										
1308	12	18-07-14.4	10.86S	165.44E	36	5.4		5.7	5.4	5.4	1.7	75 圣克鲁斯群岛地区 Santa Cruz Islands region
	13	02										
1309	12	18-13-01.6	10.83S	165.26E	36				4.9	1.1	25 圣克鲁斯群岛地区 Santa Cruz Islands region	
	13	02										
1310	12	19-54-36.7	42.08N	88.01E	7	3.2				2.3	6 新疆自治区南部 Southern Xinjiang Province	
	13	03										
1311	12	22-03-04.2	55.60N	154.71W	35				4.7	0.9	28 阿拉斯加以南地区 South of Alaska	
	13	06										
1312	13	01-30-09.3	10.77S	165.16E	33				4.8	0.8	22 圣克鲁斯群岛地区 Santa Cruz Islands region	
	13	09										
1313	13	19-14-13.6	44.33N	81.77E	18	3.0				4.3	6 新疆自治区北部 Northern Xinjiang Province	
	14	03										
1314	14	02-27-05.5	50.03N	78.87E	0	4.9		4.1	5.0	1.1	54 哈萨克东部 Eastern Kazakhstan	
	14	10										
1315	14	02-42-59.1	10.78S	165.19E	42	5.0		4.6	5.0	0.9	67 圣克鲁斯群岛地区 Santa Cruz Islands region	
	14	10										
1316	14	06-05-00.2	10.76S	165.24E	33	5.0		4.6	4.9	1.7	48 圣克鲁斯群岛地区 Santa Cruz Islands region	
	14	14										
1317	14	07-43-45.2	24.78N	141.11E	273				4.4	0.8	54 硫黄列岛地区 Volcano Islands region	
	14	15										
1318	14	12-47-57.4	43.84N	86.76E	6	3.0				1.5	6 新疆自治区北部 Northern Xinjiang Province	
	14	20										



1319	14	20-16-58.2	31.79N	104.51E	15	3.2			3.3	12	四川省
	15	04									Sichuan Province
1320	15	07-40-54.0	10.83N	122.16E	14			4.3	2.1	30	班乃岛
	15	15									Panay
1321	15	10-57-52.7	51.52N	173.63W	43			4.5	1.0	22	安德烈亚诺夫群岛
	15	18									Andreanof Islands
1322	15	12-00-44.7	21.76N	143.09E	299		4.7	5.2	0.9	89	马里亚纳群岛地区
	15	20									Marianas region
1323	15	15-06-31.3	1.95N	126.84E	55			4.6	0.9	24	马普古海峡
	15	23									Molucca Passage
1324	15	15-27-48.1	39.83N	74.07E	25	3.5				4.2	5 塔吉克——新疆边境地区
	15	23									Tadzhikistan-Xinjiang border region
1325	15	17-37-12.6	6.23S	154.76E	55			5.1	1.2	42	所罗门群岛
	16	01									Solomon Islands
1326	15	18-46-33.3	24.35N	116.37E	13	3.2				3.1	7 中国东南沿海
	16	02									Near south-eastern coast of China
1327	15	19-15-09.6	3.48S	102.11E	111		5.2	5.3	1.3	76	苏门答腊南部
	16	03									Southern Sumatera
1328	15	21-12-07.0	40.71N	122.73E	15	3.2				2.2	11 中国东北部
	16	05									North-Eastern China
1329	16	01-25-48.8	9.16S	158.81E	24			3.8	4.7	1.3	23 所罗门群岛
	16	09									Solomon Islands
1330	16	02-50-15.4	5.00N	127.02E	44	4.4		4.7	5.1	1.9	37 塔劳群岛
	16	10									Talau Islands
1331	16	03-41-58.8	40.61N	122.76E	11	3.2				1.8	10 中国东北部
	16	11									North-Eastern China
1332	16	05-21-21.2	38.54N	76.41E	19	3.7				2.1	14 新疆自治区南部
	16	13									Southern Xinjiang Province
1333	16	16-33-03.2	0.01N	77.74W	20			4.8	2.7	23	厄瓜多尔
	17	00									Ecuador
1334	16	16-51-14.0	44.30N	82.26E	24	3.3				3.3	7 新疆自治区北部
	17	00									Northern Xinjiang Province
1335	17	03-10-27.8	40.27N	123.79E	13	3.7				2.9	15 中国东北部
	17	11									North-Eastern China
1336	17	03-57-09.4	38.62N	103.89E	15	3.7				2.0	14 甘肃省
	17	11									Gansu Province
1337	17	10-38-20.5	41.79N	107.06E	15	3.6				1.5	5 中国北部
	17	18									Northern China
1338	17	12-52-03.5	10.67S	165.25E	50	5.6	6.0	5.5	5.6	0.9	98 圣克鲁斯群岛地区
	17	20									Santa Cruz Islands region
1339	17	13-30-43.9	42.95N	77.52E	22	5.5	5.6	5.3	5.3	1.7	89 阿拉木图地区
	17	21									Alma-Ata region
1340	17	17-01-24.5	10.64S	165.20E	32	5.0		4.7	4.7	0.9	66 圣克鲁斯群岛地区
	18	01									Santa Cruz Islands region
1341	18	01-49-07.1	24.18N	99.04E	28	3.2	3.6			2.5	8 缅甸——中国边境地区
	18	09									Burma-China border region
1342	18	10-32-26.7	44.71N	82.89E	24	3.3				1.6	5 新疆自治区北部
	18	18									Northern Xinjiang Province
1343	18	15-23-40.1	32.05N	103.76E	6	3.8	3.9			2.2	20 四川省
	18	23									Sichuan Province
1344	18	15-59-25.1	41.17S	80.73E	9	5.3		5.3	5.4	0.9	19 中印度洋海丘
	18	23									Mid-Indian Rise



1345	18	16-15-48.2	50.88N	177.66W	39	5.1	4.8	5.1	1.1	59	安德烈亚诺夫群岛 Andreanof Islands	
	19	00										
1346	18	17-17-20.4	35.39S	104.58W	5		4.8	3.3		17	复活节岛海山 Easter Island Cordillera	
	19	01										
1347	18	18-41-59.7	13.86N	90.96W	17	6.1	6.3	5.3	1.5	70	危地马拉海岸近海 Near coast of Guatemala	
	19	02										
1348	18	20-12-22.4	13.92N	90.64W	5		4.7	5.0	1.8	29	危地马拉海岸近海 Near coast of Guatemala	
	19	04										
1349	18	21-51-08.1	28.10N	142.66E	30	4.2	4.2	4.6	1.0	58	小笠原群岛地区 Bonin Islands region	
	19	05										
1350	18	22-49-41.9	26.95N	110.93W	5	6.9	6.6	7.0	5.9	1.9	61	加利福尼亚湾 Gulf of California
	19	06										
1351	19	04-38-12.5	10.63S	164.94E	61			5.2	1.1	39	圣克鲁斯群岛地区 Santa Cruz Islands region	
	19	12										
1352	19	04-38-50.7	7.39S	128.14E	150			5.4	0.9	28	班达海 Banda Sea	
	19	12										
1353	19	05-53-55.6	39.71N	96.51E	9	3.4			3.2	5	甘肃省 Gansu Province	
	19	13										
1354	19	05-57-06.7	3.97S	131.39E	33	4.5	4.7	5.1	1.1	60	班达海 Banda Sea	
	19	13										
1355	19	08-10-15.8	27.23N	127.25E	153			4.7	1.5	49	琉球群岛 Ryukyu Islands	
	19	16										
1356	19	13-05-04.8	18.33S	177.73W	413		5.5	5.2	0.8	53	斐济地区 Fiji region	
	19	21										
1357	19	14-31-45.1	5.50N	125.79E	132			4.9	1.3	26	棉兰老岛 Mindanao	
	19	22										
1358	19	20-19-51.7	12.44N	121.08E	15	6.5	6.3	6.4	5.6	1.3	100	巴拉望岛 Palawan
	20	04										
1359	19	20-24-12.3	12.07N	121.19E	32			5.4	1.6	31	巴拉望岛 Palawan	
	20	04										
1360	19	20-49-23.3	41.58N	79.81E	29	4.0			3.0	9	吉尔吉斯—新疆边境地区 Kirgiziya-Xinjiang border region	
	20	04										
1361	19	21-28-27.3	12.13N	121.19E	35			5.0	1.5	47	巴拉望岛 Palawan	
	20	05										
1362	19	21-36-09.3	32.65N	138.02E	319			4.0	1.2	20	本州以南地区 South of Honshu	
	20	05										
1363	19	22-21-02.0	38.45N	73.56E	132			4.5	1.7	25	塔吉克 Tadzhikistan	
	20	06										
1364	20	02-31-22.5	2.35N	126.78E	56			4.8	0.8	40	马鲁古海峡 Molucca Passage	
	20	10										
1365	20	06-44-25.4	8.16S	129.47E	38	4.9	5.3	5.0	4.9	2.4	56	帝汶海 Timor Sea
	20	14										
1366	20	07-33-02.3	12.34N	121.09E	54	4.0		4.5	2.3	26	巴拉望岛 Palawan	
	20	15										
1367	20	07-51-24.2	44.22N	149.09E	32			4.8	1.4	46	千岛群岛地区 Kurile Islands region	
	20	15										
1368	20	08-30-57.6	12.35N	121.31E	35	4.8		4.4	1.5	30	巴拉望岛 Palawan	
	20	16										
1369	20	09-28-02.6	44.39N	148.94E	33			4.8	1.0	30	千岛群岛地区 Kurile Islands region	
	20	17										
1370	20	11-47-17.4	27.62N	103.13E	16	3.6	3.5		2.5	17	四川省 Sichuan Province	
	20	19										



1371	20	13-35-44.0	12.29N	121.14E	33	5.6	5.5	5.3	5.2	1.6	101	巴拉望岛 Palawan
	20	21										
1372	21	06-26-18.6	24.78N	45.83W	24	5.6	5.8	5.7	5.9	3.2	30	北大西洋海岭 North Atlantic Ridge
	21	14										
1373	21	14-33-42.3	24.36N	123.60E	32	3.4		4.6	2.8		10	琉球群岛西南部 South-western Ryukyu Islands
	21	22										
1374	21	16-19-54.6	57.83S	25.55W	31			4.2	5.2	2.4	26	南桑德韦奇群岛地区 South Sandwich Islands region
	22	00										
1375	21	21-38-53.3	44.60N	148.86E	49	4.9	5.7	4.9	5.7	0.9	104	千岛群岛 Kurile Islands
	22	05										
1376	22	21-53-07.4	15.12S	168.27E	28		5.4		5.3	0.9	76	瓦努阿图(新赫布里底) Vanuatu (New Hebrides)
	23	05										
1377	22	22-39-53.5	27.99N	140.04E	383				4.7	0.9	39	小笠原群岛地区 Bonin Islands region
	23	06										
1378	23	01-47-53.9	39.60N	74.68E	93				4.4	2.0	20	新疆维吾尔自治区南部 Southern Xinjiang Province
	23	09										
1379	23	04-11-10.8	2.26N	126.57E	69	5.0	5.6		5.6	1.0	97	马鲁古海峡 Molucca Passage
	23	12										
1380	23	05-14-54.3	0.67S	67.25E	10	4.8			5.1	1.0	51	南印度洋 South Indian Ocean
	23	13										
1381	23	05-59-34.2	15.16S	178.23W	420				4.8	1.2	35	斐济地区 Fiji region
	23	13										
1382	23	13-31-49.7	28.06N	104.17E	13	3.4	3.9			2.8	23	云南省 Yunnan Province
	23	21										
1383	23	14-26-58.7	36.11N	80.83E	30	4.2				2.5	9	克什米尔——西藏边境地区 Kashmir-Tibet border region
	23	22										
1384	23	15-00-01.3	17.58S	176.15E	7				4.8	1.1	11	斐济地区 Fiji region
	23	23										
1385	23	15-02-48.7	27.61N	138.32E	530				4.5	0.9	48	小笠原群岛地区 Bonin Islands region
	23	23										
1386	23	18-50-55.9	10.47S	165.44E	35				5.0	1.1	21	圣克鲁斯群岛地区 Santa Cruz Islands region
	24	02										
1387	24	02-06-26.0	18.69N	120.96E	48	5.1	5.1	5.9	5.4	1.6	112	吕宋岛 Luzon
	24	10										
1388	24	05-38-54.8	12.20N	121.17E	46				4.7	1.3	22	巴拉望岛 Palawan
	24	13										
1389	24	05-57-50.0	5.60S	145.39E	115				5.4	1.2	96	新几内亚 New Guinea
	24	13										
1390	24	08-57-52.9	10.26N	60.60W	37	5.9	6.1	5.6	6.0	1.8	79	委内瑞拉海岸近海 Near coast of Venezuela
	24	16										
1391	24	12-25-39.2	6.20S	148.89E	43	5.3	5.1	5.3	5.5	1.8	59	新不列颠地区 New Britain region
	24	20										
1392	24	15-37-47.0	61.93N	124.28W	10			3.9	4.9	0.9	31	加拿大西北地区 Northwest Territories
	24	23										
1393	24	18-04-56.2	1.07N	126.21E	63				4.7	1.0	42	马鲁古海峡 Molucca Passage
	25	02										
1394	24	20-44-04.8	25.58N	99.75E	14	3.0				4.0	5	云南省 Yunnan Province
	25	04										
1395	24	21-10-22.4	2.38S	140.07E	33			4.2	5.3	1.1	39	西伊里安北海岸近海 Near north coast of West Irian
	25	05										
1396	24	21-15-28.7	27.10N	100.83E	10	3.7	3.5			3.1	12	云南省 Yunnan Province
	25	05										



1397	24	21-43-40.8	26.98N	100.90E	10	3.1		1.5	11	云南省		
	25	05								Yunnan Province		
1398	24	22-06-50.5	37.05N	137.96E	228		4.7	1.4	70	本州岛		
	25	06								Honshu		
1399	24	22-48-54.9	31.16N	99.54E	5	3.3		1.5	7	四川省		
	25	06								Sichuan Province		
1400	24	22-54-37.0	43.37N	81.66E	5	3.1		1.9	6	新疆自治区北部		
	25	06								Northern Xinjiang Province		
1401	25	03-34-13.6	0.30N	122.20E	146		5.0	0.6	25	米那哈沙半岛(西里伯斯)		
	25	11								Minahassa Peninsula (Celebes)		
1402	25	06-24-23.0	33.27S	179.28W	57	5.4	5.7	5.1	5.4	1.4	42	克马德克群岛以南地区
	25	14										South of Kermadec Islands
1403	25	06-34-32.0	23.95N	121.73E	13	3.9	3.8			2.8	12	台湾岛
	25	14										Taiwan
1404	25	08-19-14.1	37.01N	96.59E	7	3.1				3.1	5	青海省
	25	16										Qinghai Province
1405	25	14-03-31.1	0.41S	97.17E	36			4.0		1.2	29	苏门答腊西南以远地区
	25	22										South-west of Sumatera
1406	25	15-56-40.0	8.85S	106.25E	32	5.2		4.3	5.0	1.3	75	爪哇以南地区
	25	23										South of Java
1407	25	16-15-37.7	38.52N	43.06E	52	5.3	5.7	5.0	5.3	1.1	102	土耳其
	26	00										Turkey
1408	25	17-02-19.7	8.76S	106.26E	33	4.6	5.5	5.0	0.9		71	爪哇以南地区
	26	01										South of Java
1409	25	17-41-04.1	8.58S	106.08E	33			3.9		1.3	17	爪哇以南地区
	26	01										South of Java
1410	25	18-20-46.5	16.50S	167.25E	24			4.5	4.8	1.0	46	瓦努阿图(新赫布里底)
	26	02										Vanuatu (New Hebrides)
1411	25	19-25-23.2	22.44S	179.56W	589			4.7		0.9	21	斐济以南地区
	26	03										South of Fiji
1412	25	21-18-04.0	35.47N	114.37E	9	3.0				2.5	8	中国东部
	26	05										Eastern China
1413	25	22-43-15.2	18.28N	120.88E	31			4.2		1.5	23	吕宋岛
	26	06										Luzon
1414	26	01-03-38.3	39.42N	143.34E	34	4.4	5.0	4.6		1.6	67	本州东海岸近海
	26	09										Near east coast of Honshu
1415	26	02-11-39.0	40.87N	78.14E	9	3.7				3.0	7	吉尔吉斯——新疆边境地区
	26	10										Kirgiziya-Xinjiang border region
1416	26	02-46-44.8	23.76N	121.47E	6	4.1	4.4	4.1		1.8	42	台湾岛
	26	10										Taiwan
1417	26	09-22-58.5	46.25N	144.21E	327		5.0	5.2		0.8	97	北海道地区
	26	17										Hokkaido region
1418	26	11-27-07.2	10.75S	165.18E	34			4.5		1.2	27	圣克鲁斯群岛地区
	26	19										Santa Cruz Islands region
1419	26	13-34-29.7	23.75N	121.45E	15	3.9				1.3	20	台湾岛
	26	21										Taiwan
1420	26	14-40-57.4	39.48N	143.48E	22			4.3		1.9	22	本州东海岸近海
	26	22										Near east coast of Honshu
1421	26	17-41-25.8	11.96N	87.08W	22			4.2	5.0	1.1	34	尼加拉瓜海岸近海
	27	01										Near coast of Nicaragua
1422	26	18-31-36.0	8.38S	106.38E	26			4.6		1.1	24	爪哇以南地区
	27	02										South of Java



1423	26	19-23-55.3	42.27N	80.84E	29	4.1	4.0			2.5	13	新疆自治区南部 Southern Xinjiang Province
	27	03										
1424	27	06-07-50.4	20.19S	169.44E	65	5.6	6.2	5.8	0.9		99	洛亚尔提群岛 Loyalty Islands
	27	14										
1425	27	09-23-16.4	18.00S	177.85W	572			5.2	0.9		38	斐济地区 Fiji region
	27	17										
1426	27	13-37-45.2	5.53N	126.48E	8			4.8	1.2		40	棉兰老岛 Mindanao
	27	21										
1427	27	13-54-11.1	17.69S	176.65W	103			4.9	1.0		20	斐济地区 Fiji region
	27	21										
1428	27	16-15-45.2	21.81S	179.14W	539			5.4	0.7		64	斐济以南地区 South of Fiji
	28	00										
1429	27	17-46-43.5	58.33S	24.45W	33			5.0	2.5		12	南桑德韦奇群岛地区 South Sandwich Islands region
	28	01										
1430	27	19-47-15.8	15.32N	119.96E	65			4.0	2.0		16	吕宋岛 Luzon
	28	03										
1431	28	02-30-17.9	20.08N	94.96E	96			4.6	1.1		33	缅甸 Burma
	28	10										
1432	28	14-37-48.1	55.94S	27.26W	112			5.1	2.5		25	南桑德韦奇群岛地区 South Sandwich Islands region
	28	22										
1433	28	16-40-18.5	56.45S	147.00E	12	5.8	6.1	5.9	5.7	1.0	66	麦阔里岛以西地区 West of Macquarie Island
	29	00										
1434	28	18-28-03.5	39.24N	99.81E	5		3.5			2.7	5	青海省 Qinghai Province
	29	02										
1435	28	18-47-49.1	30.30N	70.80E	34	4.5		4.7	1.6		36	巴基斯坦 Pakistan
	29	02										
1436	29	10-30-16.7	42.51S	16.50W	6	5.6		5.5	5.2	2.2	25	南大西洋海岭 South Atlantic Ridge
	29	18										
1437	29	13-31-21.4	1.30N	126.15E	71			4.7	1.0		32	马鲁古海峡 Molucca Passage
	29	21										
1438	29	14-57-51.9	23.28S	179.86W	542			5.1	0.9		43	斐济以南地区 South of Fiji
	29	22										
1439	29	17-59-47.0	33.94N	120.51E	20		3.3			1.1	8	中国东部 Eastern China
	30	01										
1440	29	18-18-29.6	30.97N	103.53E	16		3.4			4.1	7	四川省 Sichuan Province
	30	02										
1441	30	09-25-52.0	23.50N	143.97E	34	4.3		3.9	4.9	1.3	44	硫黄列岛地区 Volcano Islands region
	30	17										
1442	30	12-31-39.6	33.40N	89.53E	29	4.8	5.6	4.6	1.7		43	西藏自治区 Tibet
	30	20										
1443	30	13-19-03.2	36.35N	114.36E	17		3.6			1.7	19	中国东部 Eastern China
	30	21										
1444	30	14-58-57.3	23.66S	67.52W	122			5.2	1.4		41	智利—阿根廷边境地区 Chile-Argentina border region
	30	22										
1445	30	15-25-17.2	50.26N	91.15E	13	5.1	5.3	5.1	5.0	1.3	69	苏联—蒙古边境地区 USSR-Mongolia border region
	30	23										
1446	30	15-50-05.1	50.22N	90.93E	19	3.7	4.1			2.1	11	苏联—蒙古边境地区 USSR-Mongolia border region
	30	23										
1447	30	20-28-14.7	22.62N	121.51E	5	4.2	3.5	3.6	1.6		16	台湾地区 Taiwan region
	1	04										



2. 国内及邻区地震目录 Catalogue of earthquakes within and near China



No.	Origin time				Geographic coordinates		Depth (km)	Magnitudes					SD No. Sta. used	Region and comments
	U T C				Lat	Long		Ms	M <sub>L</sub>	m <sub>B</sub>	Msz	m <sub>b</sub>		
	d	h	min	s					China	NEIC				
January 1988														
1	1	11	26	14.6	42.46N	91.92E	8	3.4				2.8	7	新疆维吾尔自治区南部 Southern Xinjiang Province
	1	19												(BTC)
2	1	14	27	46.6	30.12N	94.84E	16	4.3	4.5		4.5	2.4	41	印度——中国边境地区 India-China border region
	1	22												
3	1	15	23	38.9	43.66N	110.79E	10	3.7				3.1	13	蒙古 Mongolia
	1	23												
4	1	17	54	21.9	41.79N	81.68E	7	3.4				2.5	21	新疆维吾尔自治区南部 Southern Xinjiang Province
	2	01												
5	2	01	05	20.9	23.88N	121.69E	44	4.1	3.9		3.8	1.9	37	台湾岛 Taiwan
	2	09												
6	2	01	27	36.0	23.14N	117.57E	26	3.4				2.6	7	台湾地区 Taiwan region
	2	09												
7	2	18	37	57.0	38.42N	74.01E	114				4.6	1.5	26	塔吉克 Tadzhikistan
	3	02												
8	2	22	02	36.7	40.28N	77.34E	20	4.3				3.2	13	新疆维吾尔自治区南部 Southern Xinjiang Province
	3	06												
9	3	04	59	37.9	40.28N	79.23E	10	3.9				2.8	9	新疆维吾尔自治区南部 Southern Xinjiang Province
	3	12												
10	3	20	09	21.2	38.43N	91.39E	10	3.8	4.6		4.4	2.3	38	新疆维吾尔自治区南部 Southern Xinjiang Province
	4	04												
11	3	21	32	24.6	38.07N	106.34E	14	5.4	5.6	5.6	5.5	1.8	96	中国北部 Northern China
	4	05												
12	3	21	58	27.5	38.16N	106.36E	17	3.0				4.5	7	中国北部 Northern China
	4	05												
13	4	00	52	51.0	46.59N	81.78E	8	3.9				2.0	13	哈萨克东部 Eastern Kazakhstan
	4	08												
14	4	02	54	43.2	38.09N	106.14E	21	3.7				2.2	14	中国北部 Northern China
	4	10												
15	4	09	12	34.5	37.93N	106.21E	11	3.3				3.4	9	中国北部 Northern China
	4	17												
16	4	11	04	45.7	38.04N	106.30E	10	3.0				2.5	7	中国北部 Northern China
	4	19												
17	4	13	25	21.9	38.27N	106.15E	9	3.5				3.4	12	中国北部 Northern China
	4	21												
18	4	14	17	21.7	40.79N	106.43E	7	3.4				2.3	9	中国北部 Northern China
	4	22												
19	4	16	12	55.2	38.01N	106.32E	6	3.2				2.1	11	中国北部 Northern China
	5	00												
20	4	20	51	26.4	37.93N	106.29E	10	3.6				2.7	20	中国北部 Northern China
	5	04												
21	5	03	03	16.7	37.99N	106.18E	12	4.0				2.5	20	中国北部 Northern China
	5	11												
22	5	05	13	29.5	37.89N	106.29E	12	3.5				2.9	17	中国北部 Northern China
	5	13												
23	5	06	23	14.0	38.15N	73.99E	167				4.9	1.6	37	塔吉克 Tadzhikistan
	5	14												





24	5	10-32-42.6	35.86N	81.30E	8	3.8	3.5	9	克什米尔——西藏边境地区 Kashmir-Tibet border region
	5	18							
25	5	19-30-23.5	40.37N	123.41E	9	3.6	3.7	7	中国东北部 North-Eastern China
	6	03							
26	5	19-30-49.4	40.23N	123.83E	13	3.6 3.9	3.4	17	中国东北部 North-Eastern China
	6	03							
27	5	22-44-39.1	37.97N	106.38E	12	3.5	2.8	11	中国北部 Northern China
	6	06							
28	5	23-01-09.4	38.09N	106.17E	11	3.7	2.7	19	中国北部 Northern China
	6	07							
29	6	00-58-31.2	37.98N	106.32E	11	3.4 3.7	1.8	21	中国北部 Northern China
	6	08							
30	6	05-47-21.1	34.17N	108.22E	9	4.1 4.3	4.7 2.5	32	中国东部 Eastern China
	6	13							
31	6	13-44-25.1	39.68N	118.46E	10	3.1	2.7	10	中国东北部 North-Eastern China
	6	21							
32	6	15-31-10.2	39.73N	75.29E	15	5.0 5.3	5.0 5.1 2.5	65	新疆维吾尔自治区南部 Southern Xinjiang Province
	6	23							
33	7	06-15-06.0	36.88N	111.65E	12	3.0	0.9	8	中国东部 Eastern China
	7	14							
34	8	15-51-60.0	38.08N	106.35E	10	4.3 4.4	4.6 2.3	47	中国北部 Northern China
	8	23							
35	8	18-22-23.7	37.98N	106.27E	10	3.8	2.7	17	中国北部 Northern China
	9	02							
36	8	21-39-06.7	40.35N	123.37E	12	3.4	2.5	10	中国东北部 North-Eastern China
	9	05							
37	9	09-59-36.1	38.03N	106.30E	10	3.0	3.6	7	中国北部 Northern China
	9	17							
38	10	00-53-04.8	38.10N	106.35E	10	3.7 4.1	4.2 2.8	36	中国北部 Northern China
	10	08							
39	10	06-18-32.9	29.63N	90.51E	29		4.4 1.7	29	西藏自治区 Tibet
	10	14							
40	10	06-31-42.3	29.80N	90.43E	10		4.8 1.4	15	西藏自治区 Tibet
	10	14							
41	10	07-24-35.1	38.09N	106.36E	9	5.1 5.3	4.9 5.1 2.3	94	中国北部 Northern China
	10	15							
42	10	07-43-13.5	27.23N	100.96E	9	5.5 5.0 5.6 4.6 5.2	1.9	92	云南省 Yunnan Province
	10	15							
43	10	08-06-14.3	38.03N	106.03E	18	3.5	3.2	13	中国北部 Northern China
	10	16							
44	10	08-32-19.9	38.15N	105.95E	7	3.2	4.2	6	中国北部 Northern China
	10	16							
45	10	10-33-28.2	38.12N	106.42E	15	3.3	1.3	5	中国北部 Northern China
	10	18							
46	10	17-02-36.6	38.10N	106.20E	12	3.4	2.5	10	中国北部 Northern China
	11	01							
47	10	17-33-08.8	41.92N	84.11E	8	4.0	2.3	12	新疆维吾尔自治区南部 Southern Xinjiang Province
	11	01							
48	11	03-39-50.3	38.06N	106.19E	10	3.0	2.5	5	中国北部 Northern China
	11	11							
49	11	04-32-18.5	38.00N	106.42E	12	3.3	4.2	7	中国北部 Northern China
	11	12							



50	12	09-17-11.5	38.03N	106.28E	6	3.2			2.3	12	中国北部 Northern China	
	12	17										
51	12	14-59-26.4	35.28N	99.47E	20	3.5			2.9	8	青海省 Qinghai Province	
	12	22										
52	13	12-26-36.6	32.47N	121.47E	7	3.2			3.4	7	中国东部 Eastern China	
	13	20										
53	13	15-35-00.5	24.13N	122.01E	41	4.1	4.5		4.4	1.6	66 台湾岛 Taiwan	
	13	23										
54	14	02-58-00.6	37.93N	106.26E	10	3.1			4.3	6	中国北部 Northern China	
	14	10										
55	14	07-19-07.9	38.10N	106.23E	12	3.0			4.8	6	中国北部 Northern China	
	14	15										
56	14	22-51-11.9	30.65N	103.37E	13	4.0	4.3		4.5	2.7	40 四川省 Sichuan Province	
	15	06										
57	15	13-55-58.2	27.26N	101.01E	10	3.5			3.1	17	云南省 Yunnan Province	
	15	21										
58	15	16-36-16.4	37.48N	114.95E	18	3.2			3.0	15	中国东部 Eastern China	
	16	00										
59	16	07-11-38.5	34.74N	104.62E	7	3.1			3.0	16	甘肃省 Gansu Province	
	16	15										
60	17	03-56-08.8	43.18N	83.19E	8	3.3			3.2	8	新疆自治区北部 Northern Xinjiang Province	
	17	11										
61	17	11-46-17.7	27.12N	100.94E	8	3.3			4.0	10	云南省 Yunnan Province	
	17	19										
62	18	11-52-28.0	24.41N	122.34E	14	4.0			2.0	30	台湾岛 Taiwan	
	18	19										
63	18	21-01-07.2	35.57N	99.54E	17	4.1	4.3		2.6	30	青海省 Qinghai Province	
	19	05										
64	19	20-00-21.3	37.81N	112.56E	14	3.0			2.4	7	中国东北部 North-Eastern China	
	20	04										
65	20	05-10-09.6	47.99N	121.73E	13	3.2			2.9	8	中国东北部 North-Eastern China	
	20	13										
66	21	15-31-36.8	24.22N	98.44E	31	3.6	3.9		2.5	8	缅甸——中国边境地区 Burma-China border region	
	21	23										
67	21	18-56-25.5	26.90N	103.29E	24	3.1			3.3	13	四川省 Sichuan Province	
	22	02										
68	22	18-48-05.9	41.59N	79.38E	14	3.9	4.3		4.6	2.3	18 吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	23	02										
69	23	07-16-26.3	45.01N	79.35E	10	3.5			3.8	9	哈萨克东部 Eastern Kazakhstan	
	23	15										
70	23	15-37-28.6	29.52N	81.56E	29	3.5			4.7	1.9	36 尼泊尔 Nepal	
	23	23										
71	23	15-20-54.1	31.52N	103.10E	6	3.8			1.8	17	四川省 Sichuan Province	
	23	23										
72	24	01-00-18.5	43.47N	81.83E	7	3.1			3.8	6	新疆自治区北部 Northern Xinjiang Province	
	24	09										
73	24	16-49-20.5	41.57N	79.32E	24	4.5	4.5		4.8	2.4	37 吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	25	00										
74	25	01-12-19.4	30.21N	94.82E	14	5.5	5.8	5.5	5.0	5.4	2.1	91 印度——中国边境地区 India-China border region
	25	09										
75	25	03-32-26.9	37.98N	106.20E	9	3.3			3.7	7	中国北部 Northern China	
	25	11										



76	25	04-41-43.1	38.15N	106.31E	10	3.7	2.1	14	中国北部
	25	12							Northern China
77	25	17-25-21.0	24.28N	121.73E	45	3.7	1.6	21	台湾岛
	26	01							Taiwan
78	25	19-10-28.1	37.53N	111.93E	13	3.9	2.7	27	中国东北部
	26	03							North-Eastern China
79	25	19-58-59.5	23.00N	121.34E	18	4.2 4.3	4.6 1.8	46	台湾岛
	26	03							Taiwan
80	26	01-42-49.6	38.03N	106.27E	17	3.7	2.8	19	中国北部
	26	09							Northern China
81	26	05-34-54.8	43.77N	83.57E	16	3.4	1.8	7	新疆自治区北部
	26	13							Northern Xinjiang Province
82	26	13-25-34.2	38.00N	106.10E	11	3.3	2.3	10	中国北部
	26	21							Northern China
83	26	19-32-40.6	21.63N	111.89E	23	3.5	3.8	8	中国东部
	27	03							Eastern China
84	26	20-38-36.8	30.03N	102.31E	13	3.3	3.9	8	四川省
	27	04							Sichuan Province
85	27	04-55-45.7	33.12N	104.61E	12	3.2	4.3	9	四川省
	27	12							Sichuan Province
86	27	22-38-52.9	43.71N	84.11E	11	3.0	1.3	7	新疆自治区北部
	28	06							Northern Xinjiang Province
87	28	21-31-33.3	35.86N	122.05E	9	3.6	4.1	6	黄海
	29	05							Yellow Sea
88	28	22-37-00.1	40.61N	123.40E	13	3.8 3.8	2.3	19	中国东北部
	29	06							North-Eastern China
89	29	01-04-02.4	39.68N	95.51E	10	3.1 4.1	4.0	9	甘肃省
	29	09							Gansu Province
90	29	16-22-07.1	27.15N	101.01E	10	3.5	2.8	18	云南省
	30	00							Yunnan Province
91	29	21-01-24.6	23.42N	120.70E	22	4.3 4.3	3.9 2.1	32	台湾岛
	30	05							Taiwan
92	30	00-21-31.7	38.46N	91.40E	12	4.0	2.8	11	新疆自治区南部
	30	08							Southern Xinjiang Province
93	30	04-48-41.4	22.87N	102.99E	12	4.0	3.4	18	云南省
	30	12							Yunnan Province
94	30	05-26-42.1	23.85N	121.81E	15	3.7 3.8	4.8 2.3	28	台湾岛
	30	13							Taiwan
95	31	14-05-04.8	40.28N	79.44E	16	3.5	2.9	7	新疆自治区南部
	31	22							Southern Xinjiang Province
96	31	16-58-48.6	31.62N	116.45E	13	3.3	3.0	14	中国东部
	1	00							Eastern China
February 1988									
97	1	18-11-42.7	25.82N	102.80E	17	3.5	4.3 2.8	18	云南省
	2	02							Yunnan Province
98	2	06-01-43.0	39.74N	118.25E	13	3.5	2.2	17	中国东北部
	2	14							North-Eastern China
99	4	06-18-39.8	40.36N	77.68E	20	4.0	1.8	14	新疆自治区南部
	4	14							Southern Xinjiang Province
100	4	16-52-54.1	36.63N	106.21E	11	3.5	1.9	20	中国北部
	5	00							Northern China



101	5	16-47-09.5	34.78N	80.56E	32	4.4		4.3	1.7	23	西藏自治区 Tibet		
	6	00											
102	5	20-11-18.7	34.26N	102.74E	11	3.2			2.6	15	四川省 Sichuan Province		
	6	04											
103	6	16-15-54.4	38.86N	76.35E	19	3.4			3.8	6	新疆维吾尔自治区南部 Southern Xinjiang Province		
	7	00											
104	7	16-24-26.0	38.31N	89.04E	9	4.0			2.8	10	新疆维吾尔自治区南部 Southern Xinjiang Province		
	8	00											
105	8	11-44-16.8	38.04N	106.25E	9	3.2			1.8	11	中国北部 Northern China		
	8	19											
106	8	17-49-20.9	43.83N	84.00E	11	4.4		4.3	2.5	26	新疆维吾尔自治区北部 Northern Xinjiang Province		
	9	01											
107	10	01-51-47.3	36.99N	114.72E	16	3.1			2.3	7	中国东部 Eastern China		
	10	09											
108	11	11-29-48.5	39.73N	74.71E	30	4.1			3.5	10	新疆维吾尔自治区南部 Southern Xinjiang Province		
	11	19											
109	12	01-41-15.1	30.54N	82.88E	32	4.5		4.6	1.5	38	西藏自治区 Tibet		
	12	09											
110	12	05-54-15.3	30.16N	111.55E	9	4.1	4.3		2.8	33	中国东部 Eastern China		
	12	13											
111	12	16-17-57.4	28.66N	95.59E	14	4.7			3.7	12	印度—中国边境地区 India-China border region		
	13	00											
112	12	19-15-32.4	23.86N	122.53E	15	5.9	5.1	5.7	5.3	5.6	1.5	106	台湾地区 Taiwan region
	13	03											
113	13	02-03-39.4	41.38N	79.50E	28	3.3			3.9	6	新疆维吾尔自治区南部 Southern Xinjiang Province		
	13	10											
114	13	02-44-53.7	23.92N	122.68E	33	4.4	4.5		4.1	2.4	39	台湾地区 Taiwan region	
	13	10											
115	14	09-03-23.0	23.92N	122.57E	33	4.0	4.0		4.2	1.9	28	台湾地区 Taiwan region	
	14	17											
116	14	09-06-40.8	23.97N	122.70E	33	4.1	4.0		4.1	1.7	34	台湾地区 Taiwan region	
	14	17											
117	14	11-26-00.6	23.96N	122.63E	27	4.5	4.1		4.3	1.5	49	台湾地区 Taiwan region	
	14	19											
118	14	14-50-59.1	23.99N	122.57E	41	4.8	4.7	4.2	4.9	1.6	82	台湾地区 Taiwan region	
	14	22											
119	14	15-54-56.5	24.01N	122.58E	35	4.9	4.7	5.1	5.0	1.7	91	台湾地区 Taiwan region	
	14	23											
120	14	16-03-13.2	23.99N	122.54E	44	4.8	4.6		5.1	1.7	74	台湾地区 Taiwan region	
	15	00											
121	14	16-16-11.9	23.99N	122.55E	42	4.3	4.1	5.1	4.8	1.7	55	台湾地区 Taiwan region	
	15	00											
122	14	19-51-55.2	40.11N	100.69E	18	4.4				2.6	18	甘肃省 Gansu Province	
	15	03											
123	16	01-02-30.6	30.03N	94.85E	32				4.7	2.9	31	印度—中国边境地区 India-China border region	
	16	09											
124	16	04-47-35.1	38.14N	106.21E	10	3.4				3.1	13	中国北部 Northern China	
	16	12											
125	16	20-00-47.3	32.15N	103.69E	3	3.0				2.8	13	四川省 Sichuan Province	
	17	04											
126	17	02-04-36.3	39.49N	74.05E	7	3.8				2.1	8	塔吉克—新疆边境地区 Tadzhikistan-Xinjiang border region	
	17	10											



127	17	06-30-12.9	27.17N	92.23E	43	4.6		4.8	1.5	70	印度东部 Eastern India
	17	14									
128	17	07-12-17.3	38.07N	106.31E	13	3.3		3.0		14	中国北部 Northern China
	17	15									
129	17	10-51-41.3	28.67N	96.06E	10	4.0		3.3		17	印度—中国边境地区 India-China border region
	17	18									
130	18	18-30-16.7	35.95N	81.12E	13	4.3	4.0	1.7		11	克什米尔—西藏边境地区 Kashmir-Tibet border region
	19	02									
131	19	17-45-00.3	33.54N	94.94E	32	4.4		4.9	1.7	74	青海省 Qinghai Province
	20	01									
132	21	10-27-37.8	40.30N	121.37E	32	4.3		2.7		27	中国东北部 North-Eastern China
	21	18									
133	21	11-26-18.3	40.06N	80.61E	10	3.4		4.4		5	新疆自治区南部 Southern Xinjiang Province
	21	19									
134	22	17-25-02.1	42.56N	85.10E	5	3.6		2.1		7	新疆自治区北部 Northern Xinjiang Province
	23	01									
135	24	19-17-07.4	27.20N	101.00E	18	3.5		3.0		20	云南省 Yunnan Province
	25	03									
136	26	12-54-48.9	36.28N	81.14E	7	4.5		2.2		11	克什米尔—西藏边境地区 Kashmir-Tibet border region
	26	20									
137	27	13-33-09.7	40.37N	77.38E	3	3.8		3.6		8	新疆自治区南部 Southern Xinjiang Province
	27	21									
138	28	12-29-45.1	35.34N	80.85E	10	4.2		2.5		7	西藏自治区 Tibet
	28	20									
139	29	14-00-18.9	36.94N	83.39E	9	3.6		2.8		8	新疆自治区南部 Southern Xinjiang Province
	1	22									

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140	1	15-45-37.8	40.42N	77.52E	59	4.3		4.2	1.9	16	新疆自治区南部 Southern Xinjiang Province	
	1	23										
141	1	21-49-37.8	25.18N	105.46E	19	3.0		1.5		5	云南省 Yunnan Province	
	2	05										
142	2	20-08-57.2	25.08N	122.29E	21	3.8	4.2	4.6	1.4	26	台湾岛 Taiwan	
	3	04										
143	3	03-21-19.5	23.85N	121.82E	32	5.2	4.7	4.9	4.9	1.7	92	台湾岛 Taiwan
	3	11										
144	4	04-08-34.0	42.17N	83.59E	6	3.7		2.8		9	新疆自治区南部 Southern Xinjiang Province	
	4	12										
145	4	12-02-59.1	41.69N	88.46E	12	3.9		2.0		10	新疆自治区南部 Southern Xinjiang Province	
	4	20										
146	4	13-51-37.4	21.72N	99.59E	30	3.9		3.2		6	缅甸—中国边境地区 Burma-China border region	
	4	21										
147	5	00-56-43.8	31.54N	104.08E	17	3.2		4.4		8	四川省 Sichuan Province	
	5	08										
148	6	11-11-44.0	29.19N	100.82E	21	3.3		2.9		14	四川省 Sichuan Province	
	6	19										
149	6	20-21-31.2	34.47N	87.43E	32	4.8		4.2	4.4	2.1	38	西藏自治区 Tibet
	7	04										
150	6	21-06-14.7	31.60N	104.12E	12	3.1		2.8		8	四川省 Sichuan Province	
	7	05										
151	10	04-52-29.2	23.79N	122.45E	24	3.7		2.0		15	台湾岛 Taiwan	
	10	12										



152	10	12-17-56.2	37.94N	113.99E	15	3.2	2.1	15	中国东北部 North-Eastern China
	10	20							
153	11	04-21-51.5	36.94N	96.21E	33	3.1	4.5	7	青海省 Qinghai Province
	11	12							
154	11	13-00-27.8	32.39N	121.57E	24	3.2	2.4	7	中国东部 Eastern China
	11	21							
155	12	12-46-30.6	23.77N	121.70E	49	4.3	4.6	1.7	44 台湾岛 Taiwan
	12	20							
156	13	01-39-18.6	24.32N	122.32E	24	3.9 4.2	4.6	1.6	45 台湾岛 Taiwan
	13	09							
157	14	07-29-52.8	35.92N	80.67E	30	4.2 5.0	4.8	2.3	41 克什米尔——西藏边境地区 Kashmir-Tibet border region
	14	15							
158	14	11-40-46.9	23.66N	117.23E	10	3.6	2.8	11	中国东南沿海 Near south-eastern coast of China
	14	19							
159	14	19-27-32.8	44.37N	113.49E	32	3.2	4.5	6	中国东北部 North-Eastern China
	15	03							
160	14	19-28-19.8	27.09N	102.65E	10	3.0	3.4	9	四川省 Sichuan Province
	15	03							
161	15	23-51-54.1	24.45N	122.07E	11	3.7	2.1	18	台湾岛 Taiwan
	16	07							
162	16	05-30-13.1	24.06N	122.65E	12	3.9	2.7	11	台湾地区 Taiwan region
	16	13							
163	16	18-36-39.4	41.31N	80.54E	22	3.5	3.0	9	新疆自治区南部 Southern Xinjiang Province
	17	02							
164	17	03-44-28.3	32.56N	121.64E	28	3.0	3.6	5	中国东部 Eastern China
	17	11							
165	18	16-05-17.3	39.73N	118.38E	19	3.0	2.0	8	中国东北部 North-Eastern China
	19	00							
166	18	16-45-21.7	39.69N	118.42E	10	3.0	3.2	9	中国东北部 North-Eastern China
	19	00							
167	18	19-21-08.4	43.30N	81.97E	16	3.0	2.3	6	新疆自治区北部 Northern Xinjiang Province
	19	03							
168	19	13-30-29.3	35.96N	81.10E	5	3.9 4.6	1.7	11	克什米尔——西藏边境地区 Kashmir-Tibet border region
	19	21							
169	19	19-42-23.6	27.09N	100.21E	24	3.7	4.3	2.6	20 云南省 Yunnan Province
	20	03							
170	20	14-38-46.5	21.52N	111.67E	3	3.6	3.1	8	中国东部 Eastern China
	20	22							
171	21	14-05-16.8	26.95N	102.79E	26	3.7	4.3	2.5	21 四川省 Sichuan Province
	21	22							
172	21	16-26-29.0	39.41N	74.21E	3	3.9	3.6	8	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region
	22	00							
173	22	19-39-58.7	24.92N	123.12E	159		1.5	16	台湾地区 Taiwan region
	23	03							
174	23	01-42-02.0	25.24N	122.78E	228		4.1	1.6	39 台湾地区 Taiwan region
	23	09							
175	23	08-00-10.7	26.81N	102.69E	32	3.4	3.1	15	四川省 Sichuan Province
	23	16							
176	23	09-56-21.3	32.74N	104.15E	17	3.2	2.1	8	四川省 Sichuan Province
	23	17							
177	23	18-08-02.5	43.98N	87.34E	5	3.4	2.9	7	新疆自治区北部 Northern Xinjiang Province
	24	02							



178	23	19-19-31.3	23.92N	122.61E	33	4.5	4.4	4.5	1.9	61	台湾地区 Taiwan region		
	24	03											
179	24	12-14-30.5	24.09N	122.44E	5	3.6	3.8		1.5	18	台湾岛 Taiwan		
	24	20											
180	25	02-07-55.2	44.72N	79.67E	31	4.3	4.6	4.5	2.0	36	哈萨克东部 Eastern Kazakhstan		
	25	10											
181	26	06-58-12.5	42.11N	117.78E	10		3.7		1.6	5	中国东北部 North-Eastern China		
	26	14											
182	27	11-29-32.6	24.95N	122.07E	144				0.9	20	台湾岛 Taiwan		
	27	19											
183	28	11-51-25.5	29.99N	95.10E	33	4.4	4.2	4.3	2.6	45	印度——中国边境地区 India-China border region		
	28	19											
184	28	13-04-39.4	24.51N	99.13E	17		3.3		4.0	7	缅甸——中国边境地区 Burma-China border region		
	28	21											
185	28	22-21-54.5	47.21N	89.31E	10		3.6		2.6	7	新疆自治区北部 Northern Xinjiang Province		
	29	06											
186	29	22-06-42.7	27.35N	100.98E	12		3.5		2.3	13	云南省 Yunnan Province		
	30	06											
187	30	01-42-01.7	40.26N	104.62E	10		3.7		3.2	7	中国北部 Northern China		
	30	09											
188	30	19-58-42.7	39.99N	96.28E	10	4.0	4.6	4.1	2.6	32	甘肃省 Gansu Province		
	31	03											
189	31	03-25-29.3	43.18N	122.09E	9		3.5		3.1	15	中国东北部 North-Eastern China		
	31	11											
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190	1	01-27-15.7	47.53N	89.52E	8	4.4	4.3	4.6	1.8	41	新疆自治区北部 Northern Xinjiang Province		
	1	09											
191	2	04-24-03.5	18.61N	120.65E	21	3.9	4.1	4.3	2.2	38	吕宋岛 Luzon		
	2	12											
192	2	06-27-30.2	30.20N	99.59E	11	4.2	3.9	5.0	2.2	34	四川省 Sichuan Province		
	2	14											
193	3	10-39-56.1	36.42N	80.96E	20		3.7		2.4	14	克什米尔——西藏边境地区 Kashmir-Tibet border region		
	3	18											
194	3	19-51-47.5	34.13N	122.51E	26		3.1		2.0	8	黄海 Yellow Sea		
	4	03											
195	4	00-02-23.0	39.58N	118.87E	14		3.0		1.2	7	中国东北部 North-Eastern China		
	4	08											
196	5	13-45-06.3	25.02N	115.79E	11		3.3		2.6	11	中国东南沿海 Near south-eastern coast of China		
	5	21											
197	6	07-36-57.7	27.53N	100.77E	5		3.0		1.8	10	云南省 Yunnan Province		
	6	15											
198	6	11-28-33.5	28.28N	92.65E	18	4.1		4.2	1.8	40	印度——中国边境地区 India-China border region		
	6	19											
199	7	03-05-06.4	24.03N	121.63E	16	5.8	5.3	5.7	4.5	5.3	1.7	96	台湾岛 Taiwan
	7	11											
200	7	03-24-38.5	23.99N	121.32E	20	4.9	4.6	4.9	2.5	55	台湾岛 Taiwan		
	7	11											
201	7	03-41-35.1	24.08N	121.53E	10	4.3	4.2	4.2	1.5	29	台湾岛 Taiwan		
	7	11											
202	7	07-17-42.5	41.55N	78.91E	10		4.0		3.6	9	吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region		
	7	15											



203	7	08-03-59.3	34.63N	98.44E	11	3.7	3.6		3.6	10	青海省 Qinghai Province	
	7	16										
204	7	09-27-26.5	23.96N	121.60E	18	4.5	4.0		2.3	30	台湾岛 Taiwan	
	7	17										
205	7	14-38-53.7	24.08N	121.62E	5	3.9	4.0		2.2	26	台湾岛 Taiwan	
	7	22										
206	8	13-34-43.8	24.03N	120.81E	15	4.1	4.3	4.7	2.0	47	台湾岛 Taiwan	
	8	21										
207	8	18-48-06.6	37.89N	106.89E	25		3.1		3.4	7	中国北部 Northern China	
	9	02										
208	9	05-47-18.9	37.61N	102.11E	10		3.5		2.7	9	青海省 Qinghai Province	
	9	13										
209	9	12-57-55.5	29.63N	87.02E	32	4.4	4.8	4.5	2.2	35	西藏自治区 Tibet	
	9	20										
210	9	14-56-56.4	29.61N	102.90E	5		3.8		2.2	19	四川省 Sichuan Province	
	9	22										
211	9	15-12-20.0	37.93N	106.13E	13		3.1		2.3	10	中国北部 Northern China	
	9	23										
212	9	19-28-41.7	34.39N	102.61E	12	3.6	3.8		2.8	23	四川省 Sichuan Province	
	10	03										
213	11	01-07-18.0	39.59N	118.74E	5		3.5		2.5	20	中国东北部 North-Eastern China	
	11	09										
214	11	02-20-39.0	26.91N	97.11E	32	4.4	4.3	4.5	2.5	36	缅甸 Burma	
	11	10										
215	11	02-50-10.6	37.28N	114.84E	10		3.3		3.2	13	中国东部 Eastern China	
	11	10										
216	11	09-30-55.0	46.06N	82.39E	4		3.5		3.0	7	哈萨克——新疆边境地区 Kazakhstan-Xinjiang border region	
	11	17										
217	11	12-11-30.7	27.73N	85.87E	37			4.9	1.5	43	尼泊尔 Nepal	
	11	20										
218	11	20-27-42.4	38.07N	106.38E	15	4.1	4.7	4.8	2.2	62	中国北部 Northern China	
	12	04										
219	11	20-38-04.8	38.16N	106.34E	11		3.3		2.8	6	中国北部 Northern China	
	12	04										
220	11	20-45-14.3	38.13N	106.32E	16	3.6	4.2	4.6	2.9	28	中国北部 Northern China	
	12	04										
221	11	21-59-00.4	38.16N	106.26E	11		3.3		3.1	12	中国北部 Northern China	
	12	05										
222	11	22-35-16.9	23.36N	121.30E	22	5.2	5.2	5.3	5.0	1.8	93	台湾岛 Taiwan
	12	06										
223	12	09-11-37.2	38.65N	74.22E	33		3.9		0.9	6	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region	
	12	17										
224	12	10-02-02.4	38.07N	76.25E	33		4.4		2.6	13	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region	
	12	18										
225	12	16-43-15.1	34.78N	79.64E	31	4.3	4.2	4.5	2.1	26	克什米尔——西藏边境地区 Kashmir-Tibet border region	
	13	00										
226	14	17-53-13.6	26.30N	102.78E	19	4.2	4.0	4.5	2.3	54	云南省 Yunnan Province	
	15	01										
227	14	19-36-01.7	21.58N	111.73E	11		3.6		3.5	6	中国东部 Eastern China	
	15	03										
228	15	00-46-28.8	32.28N	110.32E	11		3.7		2.8	25	四川省 Sichuan Province	
	15	08										



229	15	02-23-21.5	35.25N	105.15E	14	3.4					2.2	10	甘肃省
	15	10											Gansu Province
230	15	06-43-58.4	40.08N	127.07E	21	3.6	4.1				2.4	15	北朝鲜
	15	14											North Korea
231	15	10-58-14.9	26.36N	102.76E	9	5.4	5.0	5.5	4.9	4.8	2.2	85	云南省
	15	18											Yunnan Province
232	15	13-50-43.8	32.21N	110.25E	5	3.2					1.8	16	四川省
	15	21											Sichuan Province
233	15	17-55-48.9	43.76N	120.32E	17	3.4					2.8	13	中国东北部
	16	01											North-Eastern China
234	16	03-32-41.5	43.74N	120.30E	14	4.1	4.6				2.6	41	中国东北部
	16	11											North-Eastern China
235	16	07-36-37.7	28.08N	99.70E	18	3.8					2.5	13	云南省
	16	15											Yunnan Province
236	16	17-05-12.4	43.73N	120.30E	19	3.7					2.8	17	中国东北部
	17	01											North-Eastern China
237	16	19-53-45.4	43.96N	114.25E	10	3.4					4.5	6	中国东北部
	17	03											North-Eastern China
238	18	01-15-31.8	39.14N	112.27E	12	3.7					3.1	22	中国东北部
	18	09											North-Eastern China
239	18	21-11-52.2	42.08N	75.83E	21	3.7					2.2	9	吉尔吉斯
	19	05											Kirgiziya
240	18	23-51-27.6	19.55N	110.76E	10	3.6					4.9	5	海南岛
	19	07											Hai-nan Island
241	19	12-07-26.0	31.47N	109.28E	11	3.0					3.4	8	四川省
	19	20											Sichuan Province
242	19	17-33-39.1	25.36N	103.41E	14	3.0					3.1	7	云南省
	20	01											Yunnan Province
243	19	21-38-35.4	44.77N	93.26E	5	3.0					2.7	5	新疆自治区北部
	20	05											Northern Xinjiang Province
244	20	02-31-52.5	35.93N	80.30E	12	3.7					3.8	5	克什米尔——西藏边境地区
	20	10											Kashmir-Tibet border region
245	20	06-40-24.7	27.07N	86.73E	52	4.9	5.0	5.4	1.5	96	尼泊尔——印度边境地区		
	20	14											Nepal-India border region
246	20	22-56-58.4	38.97N	114.92E	13	3.1					1.8	13	中国东北部
	21	06											North-Eastern China
247	21	09-02-56.8	32.95N	125.05E	16	3.8					2.6	5	中国东部海岸远海
	21	17											Off coast of Eastern China
248	21	16-01-51.3	24.74N	122.72E	114				3.9	1.2	49	台湾地区	
	22	00											Taiwan region
249	21	16-27-30.0	23.86N	121.61E	8	4.7	4.4	4.3	2.3	48	台湾岛		
	22	00											Taiwan
250	23	05-42-58.0	36.80N	72.97E	34	4.8	5.0	5.2	4.3	4.8	2.5	63	阿富汗——苏联边境地区
	23	13											Afghanistan-USSR border region
251	23	06-48-49.3	40.46N	78.38E	26	4.1					4.0	9	新疆自治区南部
	23	14											Southern Xinjiang Province
252	23	19-04-06.2	29.22N	99.60E	14	4.1	3.9	4.4	2.6	37	云南省		
	24	03											Yunnan Province
253	23	22-30-37.3	34.34N	105.15E	14	3.6					2.5	15	甘肃省
	24	06											Gansu Province
254	24	20-03-28.6	23.54N	121.86E	43	5.3	5.2	5.4	5.5	5.5	1.6	113	台湾岛
	25	04											Taiwan



255	25	13-40-04.1	30.46N	103.27E	13	4.6	4.7	4.8	2.2	76	四川省	
	25	21									Sichuan Province	
256	26	15-16-26.6	37.88N	106.29E	24	3.5	3.9		2.5	19	中国北部	
	26	23									Northern China	
257	26	17-36-55.5	37.86N	101.77E	12		3.3		1.2	6	青海省	
	27	01									Qinghai Province	
258	27	05-43-40.0	37.71N	106.35E	6		3.5		2.6	11	中国北部	
	27	13									Northern China	
259	27	16-14-39.2	39.31N	75.67E	24		3.8		3.6	7	新疆自治区南部	
	28	00									Southern Xinjiang Province	
260	27	17-05-28.9	39.55N	95.32E	8		4.2		2.8	11	甘肃省	
	28	01									Gansu Province	
261	27	21-58-53.4	41.86N	84.42E	17		3.0		1.2	7	新疆自治区南部	
	28	05									Southern Xinjiang Province	
262	27	22-16-00.8	29.48N	129.74E	28	3.8		3.7	2.8	23	琉球群岛	
	28	06									Ryukyu Islands	
263	28	09-19-02.3	24.64N	103.04E	5		3.3		2.6	6	云南省	
	28	17									Yunnan Province	
264	28	10-02-16.9	41.83N	127.71E	26		3.2		2.2	5	北朝鲜	
	28	18									North Korea	
265	28	17-29-03.3	23.96N	121.68E	6	4.1	4.0	4.5	2.3	32	台湾岛	
	29	01									Taiwan	
266	28	20-02-13.2	31.80N	116.25E	5		3.0		4.3	6	中国东部	
	29	04									Eastern China	
267	29	10-47-18.6	26.22N	99.90E	4		3.4		3.6	6	云南省	
	29	18									Yunnan Province	
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268	1	18-24-19.3	39.60N	118.49E	13		3.6		2.8	21	中国东北部	
	2	02									North-Eastern China	
269	2	02-13-25.6	40.14N	82.30E	10	4.7	5.0	4.1	4.9	1.9	69	新疆自治区南部
	2	10									Southern Xinjiang Province	
270	2	07-11-20.2	39.00N	101.24E	7		3.7		2.5	7	甘肃省	
	2	15									Gansu Province	
271	2	21-21-36.7	25.07N	102.07E	26		3.0		2.2	8	云南省	
	3	05									Yunnan Province	
272	2	22-03-47.6	39.52N	93.95E	5		3.3		2.5	6	新疆自治区南部	
	3	06									Southern Xinjiang Province	
273	3	00-36-21.5	40.61N	78.32E	23		3.9		2.6	12	吉尔吉斯——新疆边境地区	
	3	08									Kirgiziya-Xinjiang border region	
274	3	02-29-02.2	23.81N	114.67E	14		3.0		4.9	8	中国东南沿海	
	3	10									Near south-eastern coast of China	
275	3	03-36-05.1	41.75N	89.54E	12		3.7		2.0	7	新疆自治区南部	
	3	11									Southern Xinjiang Province	
276	3	06-30-27.0	37.95N	121.33E	21		3.3		1.8	9	中国东北部	
	3	14									North-Eastern China	
277	3	08-20-39.1	28.98N	102.18E	7		3.1		1.4	7	四川省	
	3	16									Sichuan Province	
278	3	15-59-16.5	24.07N	121.28E	20		3.5		1.4	10	台湾岛	
	3	23									Taiwan	
279	3	19-04-05.1	24.09N	121.67E	43	4.2	4.2	3.8	1.9	41	台湾岛	
	4	03									Taiwan	



280	4	05-12-41.3	41.42N	79.03E	5	3.7		2.2	8	新疆自治区南部 Southern Xinjiang Province		
	4	13										
281	6	23-18-35.0	24.76N	120.99E	5	3.5		2.0	14	台湾岛 Taiwan		
	7	07										
282	7	01-25-41.3	39.93N	76.62E	20	3.9		2.8	6	新疆自治区南部 Southern Xinjiang Province		
	7	09										
283	7	16-48-01.5	35.84N	80.79E	17	3.6		3.2	5	克什米尔——西藏边境地区 Kashmir-Tibet border region		
	8	00										
284	7	21-07-43.7	21.56N	111.01E	16	3.0		4.8	5	中国东部 Eastern China		
	8	05										
285	8	22-22-01.3	39.35N	118.09E	7	3.7	4.1	4.4	2.3	36	中国东北部 North-Eastern China	
	9	06										
286	9	00-53-37.8	25.08N	97.97E	5	3.5		4.3	5	缅甸——中国边境地区 Burma-China border region		
	9	08										
287	9	16-03-37.6	28.99N	94.73E	24	4.8	4.9	5.1	1.8	101	印度——中国边境地区 India-China border region	
	10	00										
288	9	16-19-27.4	24.22N	121.60E	19	3.6		1.5	12	台湾岛 Taiwan		
	10	00										
289	10	01-25-42.6	38.65N	99.77E	6	3.5		2.6	8	青海省 Qinghai Province		
	10	09										
290	10	04-32-42.5	26.29N	105.29E	8	3.7		4.6	2.7	25	中国东部 Eastern China	
	10	12										
291	10	05-29-17.3	40.48N	122.44E	12	3.0		1.6	6	中国东北部 North-Eastern China		
	10	13										
292	10	10-46-10.7	29.19N	126.17E	11	3.8	4.0	2.5	14	中国东部海岸远海 Off coast of Eastern China		
	10	18										
293	10	20-51-39.8	29.08N	94.80E	24	4.5	4.6	4.9	1.8	95	印度——中国边境地区 India-China border region	
	11	04										
294	11	10-57-12.9	24.83N	121.88E	15	3.3		1.8	11	台湾岛 Taiwan		
	11	18										
295	11	21-48-32.5	43.32N	125.65E	4	3.1		1.4	5	中国东北部 North-Eastern China		
	12	05										
296	11	23-04-44.5	25.31N	96.47E	45	4.1	4.0	4.4	2.1	45	缅甸 Burma	
	12	07										
297	12	00-57-01.9	38.13N	115.28E	16	3.6		2.1	20	中国东北部 North-Eastern China		
	12	08										
298	13	02-34-35.5	40.34N	82.24E	22	3.3		3.5	6	新疆自治区南部 Southern Xinjiang Province		
	13	10										
299	13	03-08-42.9	35.61N	81.43E	5	4.0		2.8	8	克什米尔——西藏边境地区 Kashmir-Tibet border region		
	13	11										
300	13	16-11-03.3	19.64N	120.22E	10	3.8	3.6	4.1	4.4	1.6	41	菲律宾群岛地区 Philippine Islands region
	14	00										
301	13	17-54-44.2	24.97N	121.35E	10	3.2		2.4	8	台湾岛 Taiwan		
	14	01										
302	14	18-30-13.9	36.00N	81.01E	23	3.5		1.6	8	克什米尔——西藏边境地区 Kashmir-Tibet border region		
	15	02										
303	14	21-20-37.3	34.44N	122.67E	16	3.7		2.4	9	黄海 Yellow Sea		
	15	05										
304	15	02-38-11.3	27.99N	101.19E	9	3.1		2.7	11	云南省 Yunnan Province		
	15	10										
305	15	14-41-18.1	30.53N	102.64E	18	4.0	3.8	4.6	2.3	26	四川省 Sichuan Province	
	15	22										



306	15	16-08-13.2	23.87N	114.48E	10	3.0	3.3	5	中国东南沿海
	16	00							Near south-eastern coast of China
307	15	16-51-07.3	36.09N	81.04E	15	3.5	3.5	9	克什米尔——西藏边境地区
	16	00							Kashmir-Tibet border region
308	15	20-23-05.2	29.93N	80.48E	24	4.3	4.8	1.5	70 印度北部
	16	04							Northern India
309	16	05-02-38.6	22.34N	121.79E	32	4.2 4.2	4.9	2.0	69 台湾地区
	16	13							Taiwan region
310	16	05-27-42.0	20.09N	121.95E	26	3.5	3.7	1.9	24 菲律宾群岛地区
	16	13							Philippine Islands region
311	16	11-29-30.6	44.19N	85.19E	13	3.1	1.2	7	新疆自治区北部
	16	19							Northern Xinjiang Province
312	17	23-01-06.5	41.29N	104.50E	31	3.5	1.8	7	中国北部
	18	07							Northern China
313	18	19-46-18.9	39.01N	112.70E	9	3.1	2.5	12	中国东北部
	19	03							North-Eastern China
314	19	18-17-30.4	23.52N	121.34E	10	4.2 4.0	4.5	2.0	42 台湾岛
	20	02							Taiwan
315	20	00-09-37.4	41.41N	89.44E	10	3.5	3.7	6	新疆自治区南部
	20	08							Southern Xinjiang Province
316	20	09-07-06.2	23.70N	121.37E	4	4.2 4.0	4.2	2.2	41 台湾岛
	20	17							Taiwan
317	20	17-29-09.2	24.14N	122.61E	39	3.9	4.2	1.8	32 台湾地区
	21	01							Taiwan region
318	20	19-42-44.5	23.59N	121.37E	5	4.2 4.4	4.2	1.8	42 台湾岛
	21	03							Taiwan
319	21	00-17-12.6	23.90N	123.92E	38		5.3 4.3	1.3	11 琉球群岛西南部
	21	08							South-western Ryukyu Islands
320	21	00-55-15.8	43.02N	84.53E	17	3.1	2.0	7	新疆自治区北部
	21	08							Northern Xinjiang Province
321	21	13-54-56.5	35.33N	105.13E	14	3.3	2.5	12	甘肃省
	21	21							Gansu Province
322	21	21-23-34.7	36.53N	82.83E	15	3.8 3.6	3.3	8	新疆自治区南部
	22	05							Southern Xinjiang Province
323	22	01-31-41.2	40.37N	109.27E	25	3.7	1.9	15	中国北部
	22	09							Northern China
324	22	21-36-59.0	37.63N	101.39E	9	3.4	3.5	8	青海省
	23	05							Qinghai Province
325	23	03-12-26.9	40.58N	121.91E	18	4.0	2.4	26	中国东北部
	23	11							North-Eastern China
326	23	14-54-18.2	40.40N	77.57E	15	4.0	3.2	12	新疆自治区南部
	23	22							Southern Xinjiang Province
327	24	15-39-23.4	27.15N	100.95E	12	4.0 3.8	4.3	2.5	30 云南省
	24	23							Yunnan Province
328	25	00-05-20.9	40.66N	77.67E	19	4.8	3.8 4.9	1.6	37 吉尔吉斯——新疆边境地区
	25	08							Kirgiziya-Xinjiang border region
329	25	00-34-47.7	37.62N	106.34E	12	3.2	2.3	12	中国北部
	25	08							Northern China
330	25	02-04-48.9	40.56N	77.75E	31	3.8	2.8	10	吉尔吉斯——新疆边境地区
	25	10							Kirgiziya-Xinjiang border region
331	25	18-21-57.5	41.97N	85.64E	21	4.8 5.5 5.0	5.2	1.6	101 新疆自治区南部
	26	02							Southern Xinjiang Province



332	25	22-52-51.3	46.51N	98.88E	23	4.5	5.0	4.1	2.6	29	蒙古 Mongolia	
	26	06										
333	26	21-55-59.0	39.58N	118.25E	14		3.3		2.4	17	中国东北部 North-Eastern China	
	27	05										
334	27	21-51-52.3	24.63N	121.99E	50	4.3	4.5	4.5	1.7	65	台湾岛 Taiwan	
	28	05										
335	27	22-45-26.8	39.87N	118.33E	16		3.1		2.3	12	中国东北部 North-Eastern China	
	28	06										
336	28	06-00-06.9	28.23N	104.44E	16		3.3		2.2	16	云南省 Yunnan Province	
	28	14										
337	29	06-29-29.9	41.16N	112.84E	19		3.0		1.0	7	中国东北部 North-Eastern China	
	29	14										
338	30	04-52-41.3	41.34N	81.12E	23	3.7	3.5		3.5	10	新疆自治区南部 Southern Xinjiang Province	
	30	12										
339	30	08-13-51.7	37.60N	105.11E	15		3.1		3.5	6	中国北部 Northern China	
	30	16										
340	30	18-00-56.2	33.50N	88.64E	34	4.6		4.9	2.0	48	西藏自治区 Tibet	
	31	02										
341	30	18-50-28.1	43.67N	82.16E	13		3.4		3.2	9	新疆自治区北部 Northern Xinjiang Province	
	31	02										
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342	2	05-39-35.6	30.60N	101.55E	6	4.5	4.8	4.2	2.2	66	四川省 Sichuan Province	
	2	13										
343	2	06-11-42.5	30.61N	101.49E	9	5.0	5.1	4.5	4.7	2.0	85 四川省 Sichuan Province	
	2	14										
344	2	06-45-37.2	30.34N	101.36E	12		3.5		2.7	10	四川省 Sichuan Province	
	2	14										
345	3	03-17-20.5	30.60N	101.46E	8	4.1	4.0		2.3	33	四川省 Sichuan Province	
	3	11										
346	3	14-02-21.0	40.28N	75.21E	5		3.8		3.2	13	新疆自治区南部 Southern Xinjiang Province	
	3	22										
347	4	09-57-22.0	23.24N	120.31E	8		3.9		3.2	13	台湾地区 Taiwan region	
	4	17										
348	5	13-55-09.1	36.35N	82.42E	5	3.6	4.2		2.9	10	新疆自治区南部 Southern Xinjiang Province	
	5	21										
349	6	05-08-37.9	36.56N	111.66E	11		3.3		3.3	14	中国东部 Eastern China	
	6	13										
350	6	05-11-25.5	37.14N	80.78E	5		3.7		2.1	9	新疆自治区南部 Southern Xinjiang Province	
	6	13										
351	6	09-01-58.8	40.39N	76.92E	25		4.1		1.9	6	新疆自治区南部 Southern Xinjiang Province	
	6	17										
352	6	17-28-45.6	29.06N	94.75E	27	3.9	4.2	4.6	3.6	4.7	2.4	51 印度——中国边境地区 India-China border region
	7	01										
353	6	19-04-07.7	36.46N	82.38E	8		4.1		3.2	11	新疆自治区南部 Southern Xinjiang Province	
	7	03										
354	6	20-23-11.8	23.98N	121.66E	22	3.8	3.9	3.9	2.3	24	台湾岛 Taiwan	
	7	04										
355	7	01-24-55.4	39.72N	119.59E	8		3.0		2.1	11	中国东北部 North-Eastern China	
	7	09										
356	7	03-24-34.8	36.37N	78.38E	20	3.8	4.0		3.2	15	克什米尔东部 Eastern Kashmir	
	7	11										



357	7	16-09-02.0	25.26N	100.11E	6	3.5			1.8	7	云南省 Yunnan Province		
	8	00											
358	8	02-16-19.8	40.18N	77.85E	18	4.4	4.5	4.4	2.5	26	新疆维吾尔自治区南部 Southern Xinjiang Province		
	8	10											
359	8	05-17-11.1	26.49N	115.88E	29	3.0			3.4	8	中国东部 Eastern China		
	8	13											
360	8	07-06-04.4	31.05N	99.90E	10	3.2			2.1	7	四川省 Sichuan Province		
	8	15											
361	8	07-33-22.3	39.70N	118.70E	12	3.1			1.6	14	中国东北部 North-Eastern China		
	8	15											
362	8	14-56-04.4	43.38N	87.42E	24	3.3			3.2	8	新疆维吾尔自治区北部 Northern Xinjiang Province		
	8	22											
363	9	06-26-52.8	44.13N	84.42E	25	3.0			1.6	6	新疆维吾尔自治区北部 Northern Xinjiang Province		
	9	14											
364	9	09-40-24.8	35.39N	99.49E	8	3.8	4.0	4.2	2.8	24	青海省 Qinghai Province		
	9	17											
365	9	10-12-59.0	35.58N	99.48E	9	4.1	4.4	4.1	2.6	49	青海省 Qinghai Province		
	9	18											
366	9	12-11-49.8	30.58N	79.23E	24	4.2		4.8	1.7	30	印度北部 Northern India		
	9	20											
367	9	13-06-60.0	38.17N	106.36E	9	3.4			1.6	8	中国北部 Northern China		
	9	21											
368	9	17-06-13.7	39.29N	105.85E	7	4.0			2.6	18	中国北部 Northern China		
	10	01											
369	10	02-06-07.4	25.27N	100.08E	13	3.4			3.6	7	云南省 Yunnan Province		
	10	10											
370	10	12-15-38.6	32.48N	104.35E	9	3.7	4.0		3.1	25	四川省 Sichuan Province		
	10	20											
371	10	14-00-58.0	43.22N	80.22E	18	3.9			2.9	13	阿拉木图地区 Alma-Ata region		
	10	22											
372	11	00-34-32.6	40.68N	122.58E	5	3.5			2.4	14	中国东北部 North-Eastern China		
	11	08											
373	12	07-17-07.1	38.95N	74.79E	20	4.2	4.3	4.5	2.4	30	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region		
	12	15											
374	12	10-15-46.6	28.58N	82.37E	32	4.7	4.7	5.0	4.3	4.8	1.5	76	尼泊尔——印度边境地区 Nepal-India border region
	12	18											
375	12	19-54-36.7	42.08N	88.01E	7	3.2			2.3	6	新疆维吾尔自治区南部 Southern Xinjiang Province		
	13	03											
376	13	19-14-13.6	44.33N	81.77E	18	3.0			4.3	6	新疆维吾尔自治区北部 Northern Xinjiang Province		
	14	03											
377	14	12-47-57.4	43.84N	86.76E	6	3.0			1.5	6	新疆维吾尔自治区北部 Northern Xinjiang Province		
	14	20											
378	14	20-16-58.2	31.79N	104.51E	15	3.2			3.3	12	四川省 Sichuan Province		
	15	04											
379	15	15-27-48.1	39.83N	74.07E	25	3.5			4.2	5	塔吉克——新疆边境地区 Tadzhikistan-Xinjiang border region		
	15	23											
380	15	18-46-33.3	24.35N	116.37E	13	3.2			3.1	7	中国东南沿海 Near south-eastern coast of China		
	16	02											
381	15	21-12-07.0	40.71N	122.73E	15	3.2			2.2	11	中国东北部 North-Eastern China		
	16	05											
382	16	03-41-58.8	40.61N	122.76E	11	3.2			1.8	10	中国东北部 North-Eastern China		
	16	11											



383	16	05-21-21.2	38.54N	76.41E	19	3.7				2.1	14	新疆维吾尔自治区南部 Southern Xinjiang Province	
	16	13											
384	16	16-51-14.0	44.30N	82.26E	24	3.3				3.3	7	新疆维吾尔自治区北部 Northern Xinjiang Province	
	17	00											
385	17	03-10-27.8	40.27N	123.79E	13	3.7				2.9	15	中国东北部 North-Eastern China	
	17	11											
386	17	03-57-09.4	38.62N	103.89E	15	3.7				2.0	14	甘肃省 Gansu Province	
	17	11											
387	17	10-38-20.5	41.79N	107.06E	15	3.6				1.5	5	中国北部 Northern China	
	17	18											
388	17	13-30-43.9	42.95N	77.52E	22	5.5	5.6	5.3	5.3	1.7	89	阿拉木图地区 Alma-Ata region	
	17	21											
389	18	01-49-07.1	24.18N	99.04E	28	3.2	3.6			2.5	8	缅甸——中国边境地区 Burma-China border region	
	18	09											
390	18	10-32-26.7	44.71N	82.89E	24	3.3				1.6	5	新疆维吾尔自治区北部 Northern Xinjiang Province	
	18	18											
391	18	15-23-40.1	32.05N	103.76E	6	3.8	3.9			2.2	20	四川省 Sichuan Province	
	18	23											
392	19	05-53-55.6	39.71N	96.51E	9	3.4				3.2	5	甘肃省 Gansu Province	
	19	13											
393	19	20-49-23.3	41.58N	79.81E	29	4.0				3.0	9	吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	20	04											
394	19	22-21-02.0	38.45N	73.56E	132					4.5	1.7	25	塔吉克 Tadzhikistan
	20	06											
395	20	11-47-17.4	27.62N	103.13E	16	3.6	3.5			2.5	17	四川省 Sichuan Province	
	20	19											
396	23	01-47-53.9	39.60N	74.68E	93					4.4	2.0	20	新疆维吾尔自治区南部 Southern Xinjiang Province
	23	09											
397	23	13-31-49.7	28.06N	104.17E	13	3.4	3.9			2.8	23	云南省 Yunnan Province	
	23	21											
398	23	14-26-58.7	36.11N	80.83E	30	4.2				2.5	9	克什米尔——西藏边境地区 Kashmir-Tibet border region	
	23	22											
399	24	20-44-04.8	25.58N	99.75E	14	3.0				4.0	5	云南省 Yunnan Province	
	25	04											
400	24	21-15-28.7	27.10N	100.83E	10	3.7	3.5			3.1	12	云南省 Yunnan Province	
	25	05											
401	24	21-43-40.8	26.98N	100.90E	10	3.1				1.5	11	云南省 Yunnan Province	
	25	05											
402	24	22-48-54.9	31.16N	99.54E	5	3.3				1.5	7	四川省 Sichuan Province	
	25	06											
403	24	22-54-37.0	43.37N	81.66E	5	3.1				1.9	6	新疆维吾尔自治区北部 Northern Xinjiang Province	
	25	06											
404	25	06-34-32.0	23.95N	121.73E	13	3.9	3.8			2.8	12	台湾岛 Taiwan	
	25	14											
405	25	08-19-14.1	37.01N	96.59E	7	3.1				3.1	5	青海省 Qinghai Province	
	25	16											
406	25	21-18-04.0	35.47N	114.37E	9	3.0				2.5	8	中国东部 Eastern China	
	26	05											
407	26	02-11-39.0	40.87N	78.14E	9	3.7				3.0	7	吉尔吉斯——新疆边境地区 Kirgiziya-Xinjiang border region	
	26	10											
408	26	02-46-44.8	23.76N	121.47E	6	4.1	4.4			4.1	1.8	42	台湾岛 Taiwan
	26	10											



409	26	13-34-29.7	23.75N	121.45E	15	3.9			1.3	20	台湾岛 Taiwan	
	26	21										
410	26	19-23-55.3	42.27N	80.84E	29	4.1	4.0		2.5	13	新疆自治区南部 Southern Xinjiang Province	
	27	03										
411	28	18-28-03.5	39.24N	99.81E	5	3.5			2.7	5	青海省 Qinghai Province	
	29	02										
412	29	17-59-47.0	33.94N	120.51E	20	3.3			1.1	8	中国东部 Eastern China	
	30	01										
413	29	18-18-29.6	30.97N	103.53E	16	3.4			4.1	7	四川省 Sichuan Province	
	30	02										
414	30	12-31-39.6	33.40N	89.53E	29	4.8	5.6	4.6	1.7	43	西藏自治区 Tibet	
	30	20										
415	30	13-19-03.2	36.35N	114.36E	17	3.6			1.7	19	中国东部 Eastern China	
	30	21										
416	30	15-25-12.2	50.26N	91.15E	13	5.1	5.3	5.1	5.0	1.3	69	苏联—蒙古边境地区 USSR—Mongolia border region
	30	23										
417	30	15-50-05.1	50.22N	90.93E	19	3.7	4.1		2.1	11	苏联—蒙古边境地区 USSR—Mongolia border region	
	30	23										
418	30	20-28-14.7	22.62N	121.51E	5	4.2	3.5	3.6	1.6	16	台湾地区 Taiwan region	
	1	04										







1988 年 震 中 分 布 图  
(1-6 月)

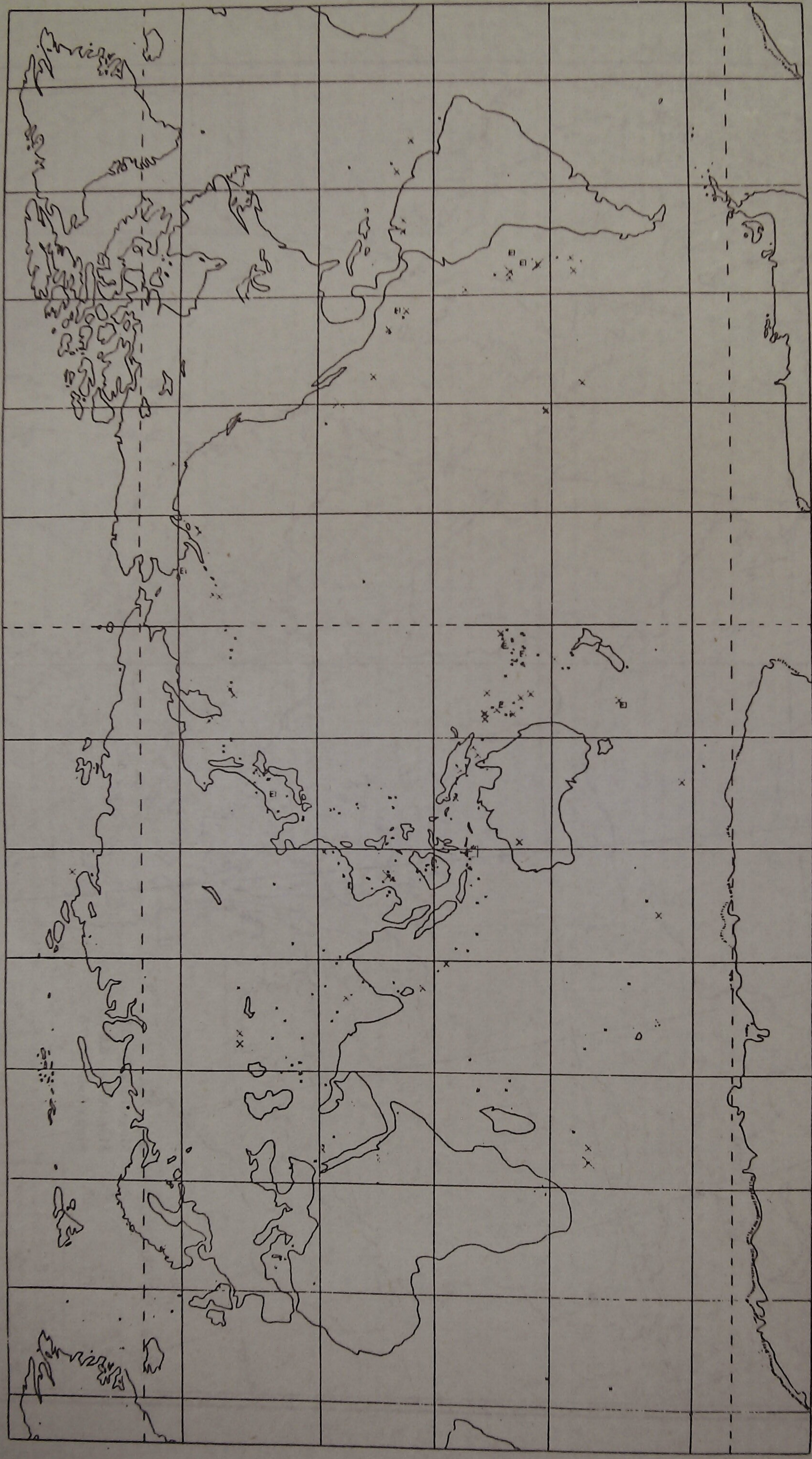
Map of epicentral distribution of 1988  
(January to June)



1907-1910 (1-10)

1911-1914 (1-10)





< 6.0  
 Magnitude  
 6.0-6.9  
 Magnitude  
 ≥ 7.0  
 Magnitude

< 70km  
 x x x

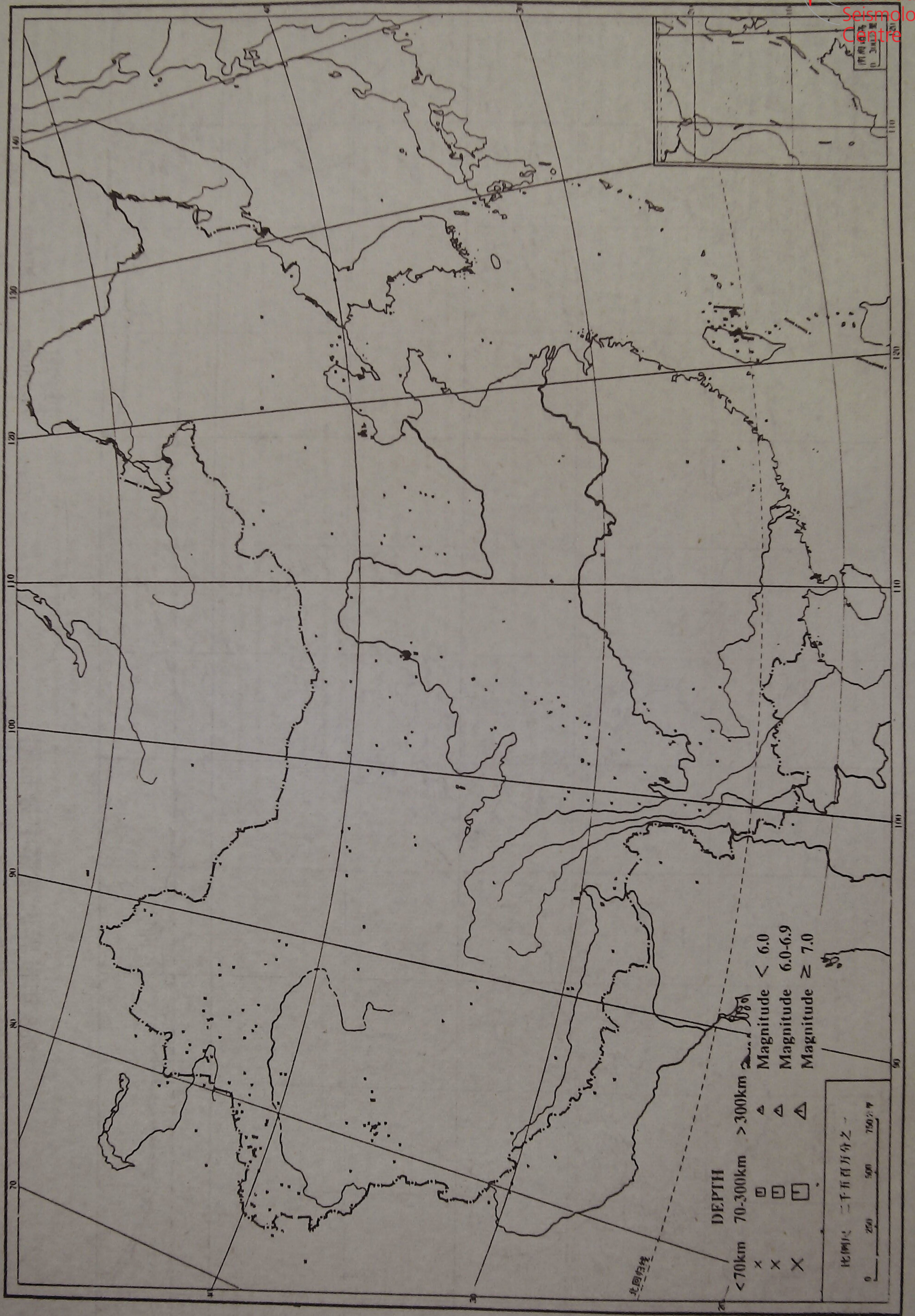
DEPTH  
 70-300km  
 □ □ □

> 300km  
 ▲ ▲ ▲

1988 年世界地震震中分布图  
 Epicentral distribution of earthquakes  
 all over the world of 1988



1988年中国及邻区地震震中分布图  
Epicentral distribution of earthquakes within and near China in 1988





1988 年 地 震 数 据  
(1-6 月)

Observed seismological data of 1988  
(January to June)



INTERNATIONAL SEISMOLOGICAL CENTRE  
(1980)

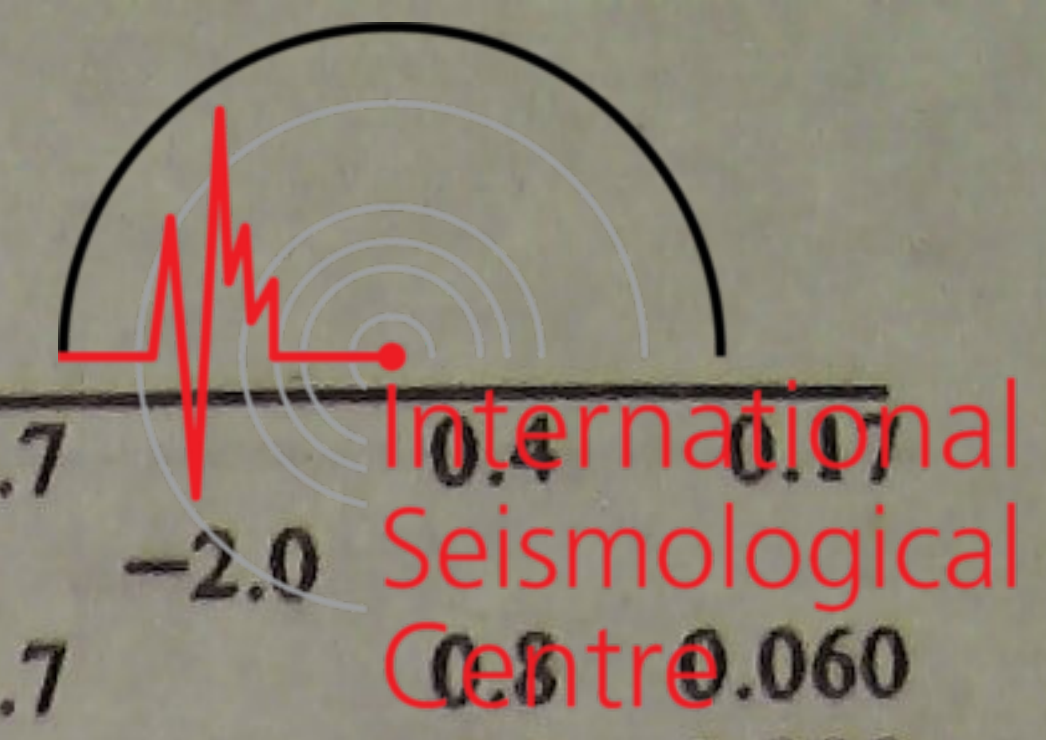
Corrected seismological data of 1980  
(January to May)





Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)	Sta. code	Δ (deg.)	Az (deg.)	Phase	UTC h min s	Resid (s)	T (s)	A (μm)
<p>JAN 1d 00h 03m 09.4 ± 0.08s, SD1.20 / 72                      28.00 N ± 1.38km, 142.76 E ± 1.76km, h28 ± 0.42km                      Bouin Islands region (212)                      M<sub>s</sub>4.4 / 9, m<sub>b</sub>4.9 / 5,</p>								<p>JAN 1d 12h 24m 13.1 ± 0.07s, SD0.96 / 15                      17.99 S ± 1.15km, 178.81 W ± 0.20km, h579 ± 0.90km                      Fiji region (181)</p>							
SSE	19.0	285	P	00 07 30.2	-1.8			GTA	6.7	114	ePn	11 27 55.2	1.2		
			PP	00 07 50.0	1.9						Pg	11 28 18.8	5.8		
			LE	M <sub>s</sub> =4.0		11.0	0.26				Sa	11 29 09.6	-3.2		
			LZ	M <sub>s</sub> =3.8		20.0	0.46				Sg	11 29 37.7	-7.1		
MDJ	19.6	331	+P	00 07 37.5	-1.5						SMN	M <sub>L</sub> =3.4		0.8	0.020
			PP	00 07 56.0	-0.8						SME			0.8	0.020
			LZ	M <sub>s</sub> =4.4		16.0	1.20	<p>JAN 1d 14h 27m 46.6 ± 0.09s, SD2.43 / 41                      30.12 N ± 1.25km, 94.84 E ± 0.99km, h16 ± 0.04km                      India-China border region (313)                      M<sub>s</sub>4.3 / 9, M<sub>L</sub>4.5 / 2, m<sub>b</sub>4.8 / 1,</p>							
SNY	20.9	316	eP	00 07 52.2	0.4			MDJ	78.0	325	eP	12 35 14.0	-0.4		
			eS	00 11 38.0	-0.3			CN2	79.8	323	-P	12 35 25.3	1.3		
			LN	M <sub>s</sub> =4.4		15.0	0.81	BJI	83.6	316	eP	12 35 41.5	-1.3		
CN2	21.0	323	eP	00 07 53.5	-0.2			TIY	85.0	312	eP	12 35 49.6	-0.5		
			eS	00 11 40.0	-1.7			XAN	86.0	308	-P	12 35 55.0	0.3		
			LN	M <sub>s</sub> =4.8		10.0	1.30	<p>JAN 1d 14h 27m 46.6 ± 0.09s, SD2.43 / 41                      30.12 N ± 1.25km, 94.84 E ± 0.99km, h16 ± 0.04km                      India-China border region (313)                      M<sub>s</sub>4.3 / 9, M<sub>L</sub>4.5 / 2, m<sub>b</sub>4.8 / 1,</p>							
			LZ	M <sub>s</sub> =4.4		16.0	1.20	LSA	3.2	264	Pn	14 28 41.0	3.4		
NJ2	21.1	287	+P	00 07 53.8	-0.3						Pg	14 28 44.4	0.8		
			eS	00 11 45.0	2.5						Sg	14 29 28.0	0.3		
			LN	M <sub>s</sub> =4.5		7.0	0.25				LN	M <sub>s</sub> =3.9		6.0	2.39
			LE			7.0	0.39	CD2	7.7	82	ePn	14 29 44.2	5.0		
WHN	24.9	283	+P	00 08 32.6	1.0			KMI	8.6	123	eP	14 29 53.5	-0.3		
			eS	00 12 53.0	2.5						eS	14 31 30.5	-1.0		
			sS	00 13 08.0	4.1						LN	M <sub>s</sub> =4.4		9.0	1.76
			LZ	M <sub>s</sub> =4.1		16.0	0.45				LE			9.0	1.18
BJI	25.0	306	eP	00 08 31.5	-1.1			LZH	9.6	49	eP	14 30 09.5	1.6		
			eS	00 12 56.0	3.6						LN	M <sub>s</sub> =4.6		7.0	1.50
TIY	27.2	299	P	00 08 51.4	-1.4						LE			7.0	1.11
XAN	29.5	290	+P	00 09 12.5	-1.6			GTA	10.1	22	eP	14 30 15.0	0.0		
			S	00 14 06.0	0.8						eS	14 32 16.0	6.4		
			LE	M <sub>s</sub> =4.4		14.0	0.40				LE	M <sub>s</sub> =4.3		10.0	1.24
BTO	29.7	304	eP	00 09 16.0	0.7						LZ	M <sub>s</sub> =4.0		9.0	0.68
			esP	00 09 31.0	3.8			GYA	11.0	106	P	14 30 27.2	-0.3		
			eS	00 14 10.0	1.8						sP	14 30 40.2	4.3		
			LN	M <sub>s</sub> =4.8		14.0	0.60				S	14 32 30.6	-0.6		
			LE			14.0	0.80	XAN	12.6	68	P	14 30 47.4	-0.6		
			LZ	M <sub>s</sub> =4.5		14.0	0.70				S	14 33 14.0	5.7		
GYA	32.1	276	P	00 09 36.4	-0.2						LN	M <sub>s</sub> =4.4		10.0	1.20
			sP	00 09 49.4	1.0			WMQ	14.8	339	eP	14 31 14.7	-2.8		
			S	00 14 45.0	0.0			BTO	16.2	46	eP	14 31 37.0	1.5		
LZH	33.8	294	eP	00 09 49.5	-2.1			TIY	16.4	58	eP	14 31 39.5	0.8		
			PMZ	m <sub>b</sub> =5.0		1.5	0.039				S	14 34 41.5	1.6		
CD2	34.0	285	+iP	00 09 53.2	0.1						sS	14 34 52.0	2.9		
GTA	37.2	299	P	00 10 21.0	0.5						LN	M <sub>s</sub> =4.2		10.0	0.47
KSH	55.6	300	eP	00 12 47.5	1.9			WHN	16.9	84	P	14 31 43.5	-0.3		
<p>JAN 1d 00h 57m 33.1 ± 0.10s, SD0.89 / 30                      22.40 S ± 0.44km, 179.47 W ± 1.12km, h584 ± 1.30km                      South of Fiji (171)</p>								<p>JAN 1d 14h 36m 08.5 ± 0.05s, SD0.92 / 72                      74.65 N ± 0.84km, 131.09 E ± 1.15km, h9 ± 0.05km                      Laptev Sea (655)                      M<sub>s</sub>5.2 / 17, m<sub>b</sub>5.3 / 1, m<sub>b</sub>5.2 / 8,</p>							
SSE	77.9	311	P	01 08 31.6	-1.6						LN	M <sub>s</sub> =4.3		12.0	0.70
NJ2	80.1	311	+P	01 08 45.2	0.6						eP	14 32 22.5	0.4		
SNY	82.8	321	+iP	01 08 58.8	0.2						eP	14 32 48.0	-1.0		
CN2	83.0	323	+P	01 08 59.6	0.0						LE	M <sub>s</sub> =4.4		12.0	0.58
BJI	86.3	316	eP	01 09 15.0	-0.6						LZ	M <sub>s</sub> =4.4		14.0	0.88
TIY	87.5	313	-P	01 09 21.5	-0.1										
XAN	88.2	308	P	01 09 24.8	0.1			DL2	23.7	61	eP	14 33 00.0	1.2		
<p>JAN 1d 11h 26m 14.6 ± 0.03s, SD2.81 / 7                      42.46 N ± 0.33km, 91.92 E ± 0.30km, h8 ± 0.23km                      Southern Xinjiang Province (321)                      M<sub>L</sub>3.4 / 6,</p>								<p>JAN 1d 14h 36m 08.5 ± 0.05s, SD0.92 / 72                      74.65 N ± 0.84km, 131.09 E ± 1.15km, h9 ± 0.05km                      Laptev Sea (655)                      M<sub>s</sub>5.2 / 17, m<sub>b</sub>5.3 / 1, m<sub>b</sub>5.2 / 8,</p>							
WMQ	3.4	295	Pg	11 27 14.0	-0.3			MDJ	30.1	182	-P	14 42 21.2	0.0		
			Sg	11 28 03.6	3.4										





CN2	31.0 188	eS	14 47 18.0	-1.1	14.0	3.50	BJI	5.4 130	SMZ	$M_L = 3.7$	0.4	0.07		
		LN	$M_S = 5.4$											
		+P	14 42 29.0	-0.3										
		eS	14 47 35.0	1.5										
		LN	$M_S = 5.4$						10.0	2.00	TIY	6.1 168	ePg	15 25 12.5
SNY	33.1 190	eP	14 42 46.9	-0.3	10.0	1.66	WMQ	4.9 63	SMN	$M_L = 3.7$		0.060		
		eP	14 43 07.0	0.1										
		PP	14 44 27.0	1.0										
		LN	$M_S = 5.3$						12.0	2.11				
BTO	35.5 208	eP	14 43 07.0	-1.1	10.0	1.66	WMQ	4.9 63	SME		1.0	0.090		
		-iP	14 43 15.7	0.2										
		PcP	14 45 39.0	-0.4										
WMQ	36.4 237	S	14 48 58.0	2.6	12.0	2.11	WMQ	4.9 63	SMN	$M_L = 3.7$	1.0	0.040		
		eP	14 43 30.0	0.4										
		S	14 49 22.5	1.3										
TIY	38.1 204	sS	14 49 36.0	4.8	12.0	2.11	WMQ	4.9 63	SME		0.8	0.070		
		LN	$M_S = 5.3$											
		LE							10.5	1.01				
GTA	38.2 221	LZ	$M_S = 5.2$		12.0	2.41	KMI	7.9 51	eP	22 16 42.0	3.3			
		-P	14 43 31.0	0.2										
		LN	$M_S = 5.1$		11.0	1.00								
		LZ	$M_S = 4.8$		15.0	1.20								
LZH	40.8 215	-iP	14 43 53.0	0.6	1.5	0.18	LSA	10.4 336	LN	$M_S = 5.4$	6.0	16.6		
		PMZ	$m_b = 5.7$											
XAN	42.1 208	P	14 44 01.2	-1.9	10.0	0.90	GYA	11.5 56	LZ	$M_S = 4.2$	9.0	1.28		
		LN	$M_S = 5.2$											
NJ2	43.1 195	-P	14 44 11.0	-0.1	8.0	0.37	GYA	11.5 56	+iP	22 17 12.8	-0.9			
		LN	$M_S = 5.1$											
		LE							14.0	0.77				
KSH	43.2 248	LZ	$M_S = 4.8$		14.0	0.89	GYA	11.5 56	LE	$M_S = 4.5$	10.0	2.27		
		eP	14 44 14.0	1.6	10.0	1.60			CD2	12.7 32	P	22 17 30.0	0.5	
		eS	14 50 42.6	3.1										
LE	$M_S = 5.4$													
SSE	43.9 192	eP	14 44 16.0	-1.6	1.4	0.054	QZN	13.1 93	sP	22 17 42.0	2.3			
		PMZ	$m_b = 5.2$											
		ScS	14 54 14.0	0.2										
WHN	45.0 201	LN	$M_S = 5.3$		14.0	1.54	GZH	16.3 77	LN	$M_S = 5.1$	8.0	4.10		
		LZ	$M_S = 5.2$		16.0	2.21			LZH	17.2 22	LE		7.0	2.00
		eP	14 44 26.5	0.3										
		S	14 51 05.5	2.2										
LN	$M_S = 5.2$		14.0	1.20	XAN	17.9 37	eP	22 17 47.4			2.8			
LZ	$M_S = 5.0$		16.0	1.34			XAN	17.9 37	LE	$M_S = 5.7$	6.0	12.8		
eP	14 44 35.6	2.0												
-iP	14 45 00.0	-0.3												
P	14 45 05.4	0.7												
KMI	51.7 213	+P	14 45 17.5	-1.5	17.0	1.11	GTA	19.3 9	S	22 19 38.4	0.2			
		pP	14 45 22.0	-2.1										
		eS	14 52 37.5	-2.3										
HHC	2.9 168	LN	$M_S = 5.2$				GTA	19.3 9	SMN		1.6	0.60		
		ePn	15 24 22.8	-2.5										
		+iPg	15 24 27.4	-2.2										
BTO	3.1 191	Sg	15 25 02.0	-6.9	0.4	0.55	WHN	19.4 55	SME		1.6	0.60		
		SMN	$M_L = 4.0$											
		SME												
		Pn	15 24 27.0	-1.7										
		Pg	15 24 34.3	0.3										
		Sn	15 25 02.7	-5.2										
		Sg	15 25 10.4	-6.2										
SMN	$M_L = 3.6$		0.4	0.20	QZH	21.3 73	eP	22 17 48.2	-1.9					
SME			0.4	0.28			TIY	22.5 36	LN	$M_S = 5.1$	8.0	4.10		
<p>JAN 1d 15h 23m <math>38.9 \pm 0.35s</math>, <math>SD3.06 / 13</math>  <math>43.66 N \pm 2.97km</math>, <math>110.79 E \pm 1.80km</math>, <math>h10 \pm km</math>                      Mongolia (334)  <math>M_L 3.7 / 13</math>,</p>							WHN	19.4 55	+iP	22 19 08.8	-0.8			
BTO	3.1 191	Pn	15 24 27.0	-1.7	0.4	0.20			WHN	19.4 55	PP	22 19 22.0	-4.3	
		Pg	15 24 34.3	0.3										
		Sn	15 25 02.7	-5.2										
SME	0.4 0.28	Sg	15 25 10.4	-6.2	0.4	0.28	TIY	22.5 36	sS	22 22 48.0	6.8			
		SMN	$M_L = 3.6$											
		SME												
SME	0.4 0.28	SME			0.4	0.28	TIY	22.5 36	PcP	22 23 30.4	0.1			
		Pn	15 24 27.0	-1.7										
		Pg	15 24 34.3	0.3										
SME	0.4 0.28	Sn	15 25 02.7	-5.2	0.4	0.28	TIY	22.5 36	PcS	22 27 07.0	0.9			
		Sg	15 25 10.4	-6.2										
		SMN	$M_L = 3.6$											
SME	0.4 0.28	SME			0.4	0.28	TIY	22.5 36	LN	$M_S = 4.7$	10.0	0.69		
		Pn	15 24 27.0	-1.7										
		Pg	15 24 34.3	0.3										
SME	0.4 0.28	Sn	15 25 02.7	-5.2	0.4	0.28	TIY	22.5 36	LE		10.0	0.99		
		Sg	15 25 10.4	-6.2										
		SMN	$M_L = 3.6$											
SME	0.4 0.28	SME			0.4	0.28	TIY	22.5 36	LZ	$M_S = 4.6$	7.0	0.86		
		Pn	15 24 27.0	-1.7										
		Pg	15 24 34.3	0.3										
SME	0.4 0.28	Sn	15 25 02.7	-5.2	0.4	0.28	TIY	22.5 36	PMZ	$m_b = 5.6$	6.0	1.82		
		Sg	15 25 10.4	-6.2										
		SMN	$M_L = 3.6$											
SME	0.4 0.28	SME			0.4	0.28	TIY	22.5 36	S	22 22 42.5	0.3			
		Pn	15 24 27.0	-1.7										
		Pg	15 24 34.3	0.3										
SME	0.4 0.28	Sn	15 25 02.7	-5.2	0.4	0.28	TIY	22.5 36	LE	$M_S = 5.3$	8.0	3.70		
		Sg	15 25 10.4	-6.2										
		SMN	$M_L = 3.6$											
SME	0.4 0.28	SME			0.4	0.28	TIY	22.5 36	eP	22 19 31.0	0.5			
		Pn	15 24 27.0	-1.7										
		Pg	15 24 34.3	0.3										
SME	0.4 0.28	Sn	15 25 02.7	-5.2	0.4	0.28	TIY	22.5 36	LE	$M_S = 5.5$	8.0	4.93		
		Sg	15 25 10.4	-6.2										
		SMN	$M_L = 3.6$											
SME	0.4 0.28	SME			0.4	0.28	TIY	22.5 36	+P	22 19 41.0	-1.0			
		Pn	15 24 27.0	-1.7										
		Pg	15 24 34.3	0.3										









Station	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time	Mag	Time	Phase	Time	
GYA	51.0	261	P	10 42	31.8	0.8															
KMI	54.3	263	+P	10 42	54.5	-1.0															
LSA	57.4	276	P	10 43	17.2	-1.2															
<p>JAN 2d 12h 42m 02.0 ± 0.06s, SD1.03 / 105                      43.36 N ± 0.97km, 142.42 E ± 0.96km, h181 ± 0.62km                      Hokkaido region (224)                      m<sub>b</sub>6.2 / 46, m<sub>b</sub>6.1 / 9,</p>																					
MDJ	9.3	282	-iP	12 44	14.6	0.7															
			sP	12 44	52.0	-4.4															
			S	12 46	00.0	3.4															
			ScP	12 53	32.5	2.3															
			ScS	12 57	07.0	3.7															
CN2	12.3	278	-iP	12 44	52.0	-0.6															
			PMZ			3.0	1.40														
			sP	12 45	35.0	-2.5															
			iS	12 47	06.0	-0.7															
			SMN		m <sub>b</sub> = 6.4	6.0	11.6														
			ScP	12 53	35.0	0.8															
			ScS	12 57	05.0	-4.1															
SNY	14.0	270	-iP	12 45	15.0	1.6															
			PMZ		m <sub>b</sub> = 5.8	5.0	1.88														
			sP	12 46	03.0	3.3															
			iS	12 47	48.0	3.5															
			SMN		m <sub>b</sub> = 6.3	7.0	7.58														
			SME			5.0	3.05														
			ScS	12 57	12.5	-0.4															
			LN			9.0	3.12														
			LE			9.0	3.36														
DL2	16.3	261	-iP	12 45	42.0	0.0															
			PMZ		m <sub>b</sub> = 6.3	5.0	5.97														
			sP	12 46	32.0	2.0															
			S	12 48	35.0	-1.0															
			SME		m <sub>b</sub> = 6.1	6.0	4.40														
			SMZ			6.0	6.10														
			ScS	12 57	20.0	1.0															
BJI	19.8	269	-P	12 46	19.0	-2.1															
			eS	12 49	48.0	-1.8															
			ScS	12 57	32.0	2.1															
TIA	20.7	258	-P	12 46	28.0	-1.3															
			PP	12 46	55.5	-5.2															
			S	12 50	03.0	-1.2															
			SMN		m <sub>b</sub> = 6.5	7.0	9.58														
			SME			12.0	14.4														
			ScS	12 57	32.7	0.0															
SSE	20.8	241	+P	12 46	29.5	-1.2															
			PMZ		m <sub>b</sub> = 6.6	1.5	2.95														
			sP	12 47	26.0	0.1															
			iS	12 50	10.0	2.5															
			SMN		m <sub>b</sub> = 6.3	9.0	10.4														
			sS	12 50	44.0	-0.1															
			SS	12 50	52.0	-5.6															
			LE			11.0	2.24														
			LZ			12.0	7.22														
NJ2	21.7	247	-iP	12 46	38.6	-1.1															
			iS	12 50	24.0	0.1															
			ScP	12 53	55.0	1.9															
			ScS	12 57	39.0	2.5															
HHC	23.0	274	P	12 46	51.6	-0.4															
			pP	12 47	22.0	-4.3															
			iS	12 50	50.0	4.4															
TIY	23.4	266	-iP	12 46	56.2	0.1															
			PMZ		m <sub>b</sub> = 6.0	6.0	2.41														
			iS	12 50	58.0	5.1															
			SMN		m <sub>b</sub> = 6.5	6.0	5.68														
			SME			8.0	12.1														
			LN			11.0	2.88														
BTO	24.2	275	-P	12 47	04.0	0.7															
			pP	12 47	37.0	-1.3															
			iS	12 51	08.0	2.2															
			SMN		m <sub>b</sub> = 6.2	8.0	3.50														
			SME			8.0	7.00														
			SS	12 52	18.0	1.3															
			PcS	12 54	19.0	1.2															
			LN			13.0	4.10														
			LE			10.0	4.20														
			LZ			10.0	4.10														
WHN	25.7	249	-iP	12 47	18.0	0.6															
			PMZ		m <sub>b</sub> = 6.7	4.0	6.90														
			iS	12 51	30.0	-0.8															
			SME		m <sub>b</sub> = 5.9	10.0	6.97														
			sS	12 52	29.0	-5.1															
			SS	12 52	49.0	-4.1															
			ScP	12 54	07.6	3.8															
			ScS	12 57	55.0	3.0															
			LZ			12.0	3.30														
QZH	26.8	234	-iP	12 47	28.5	0.9															
			PMZ		m <sub>b</sub> = 6.6	4.0	4.95														
			pP	12 48	01.0	-2.8															
			sP	12 48	25.0	0.0															
			iS	12 51	52.0	3.1															
			SME		m <sub>b</sub> = 5.8	6.0	3.55														
XAN	27.6	262	-iP	12 47	34.4	-0.5															











JAN 4d 02h 54m 43.2 ± 0.09s, SD2.24 / 14  
38.09 N ± 1.06km, 106.14 E ± 0.84km, h21 ± 0.28km  
Northern China (323)  
M<sub>L</sub>3.7 / 13,

BTO	3.9	49	Pn	02 55 43.8	1.0		
			Pg	02 55 52.4	0.1		
			Sg	02 56 40.0	-5.8		
			SMN	M <sub>L</sub> = 3.1	0.4	0.040	
			SME		0.4	0.050	
			SMZ	M <sub>L</sub> = 3.1	0.4	0.030	
XAN	4.6	150	Pg	02 56 06.0	0.8		
			SMN	M <sub>L</sub> = 3.4	0.5	0.020	
			SME		0.7	0.10	
TIY	5.0	92	+Pn	02 56 00.7	3.1		
			Pg	02 56 12.2	0.8		
			Sg	02 57 20.0	0.3		
			SMN	M <sub>L</sub> = 3.8	0.4	0.090	
			SME		0.4	0.12	
HHC	5.0	55	ePg	02 56 12.8	0.7		
			Sg	02 57 14.0	-6.5		
			SMN	M <sub>L</sub> = 3.7	0.6	0.10	
			SME		0.6	0.10	
GTA	5.1	287	Pn	02 56 02.2	2.7		
			Pg	02 56 19.2	5.5		
			Sg	02 57 25.0	1.3		
			SMN	M <sub>L</sub> = 3.2	0.8	0.028	
			SME		0.8	0.021	

JAN 4d 09h 12m 34.5 ± 0.13s, SD3.39 / 9  
37.93 N ± 1.08km, 106.21 E ± 1.15km, h11 ± 0.15km  
Northern China (323)  
M<sub>L</sub>3.3 / 8,

XAN	4.5	150	Pg	09 13 57.0	3.5		
			Sg	09 14 53.8	-0.5		
TIY	4.9	91	Pg	09 13 58.5	-3.4		
			SMN	M <sub>L</sub> = 3.3	0.8	0.040	
			SME		0.4	0.040	
HHC	5.1	53	ePg	09 14 04.0	-0.4		
			Sg	09 15 07.0	-6.5		
			SMN	M <sub>L</sub> = 3.1	0.6	0.010	
			SME		0.6	0.030	
GTA	5.2	288	Pn	09 13 54.0	0.9		
			Pg	09 14 12.0	5.4		
			Sn	09 14 51.0	-4.3		
			Sg	09 15 15.5	-2.5		
			SMN	M <sub>L</sub> = 3.0	0.8	0.020	
			SME		0.8	0.010	

JAN 4d 10h 37m 02.5 ± 0.07s, SD1.31 / 72  
46.50 N ± 2.02km, 149.93 E ± 1.28km, h205 ± 0.71km  
Kurile Islands (221)  
m<sub>B</sub>5.4 / 3, m<sub>L</sub>4.8 / 3,

MDJ	14.4	270	-P	10 40 18.0	-0.1		
CN2	17.5	270	eP	10 40 51.5	-3.3		
			LN			10.0	0.80
			LZ			16.0	0.80
SNY	19.4	266	eP	10 41 15.0	-0.3		
			sP	10 42 12.0	-3.0		
			LN			23.0	1.76
			LE			24.0	0.94
DL2	22.1	260	eP	10 41 40.0	-1.4		
			S	10 45 30.0	4.1		
			SMN	m <sub>B</sub> = 5.2	9.0	0.82	
			SME		7.0	0.60	
BJI	25.3	267	-P	10 42 14.0	2.1		
			pP	10 42 54.0	2.3		
			S	10 46 22.0	2.0		

SSE	27.0	245	sS	10 47 32.0	2.0		
			eP	10 42 27.5	0.0		
			pP	10 43 06.0	-2.1		
			eS	10 46 50.0	1.7		
NJ2	27.8	250	+P	10 42 33.7	-1.5		
			pP	10 43 14.4	-1.7		
HHC	28.1	272	eP	10 42 37.6	-0.3		
			pP	10 43 20.0	1.4		
			S	10 47 06.2	0.4		
			LN			14.0	2.45
TIY	28.9	266	eP	10 42 45.6	0.4		
			pP	10 43 29.5	3.4		
			eS	10 47 14.0	-6.0		
BTO	29.3	273	eP	10 42 43.0	-5.3		
			epP	10 43 25.0	-4.2		
			LN			15.0	1.40
			LE			15.0	0.80
WHN	31.8	253	P	10 43 10.7	1.0		
			ScP	10 49 23.4	5.5		
XAN	33.3	263	P	10 43 22.8	-0.4		
LZH	35.7	270	eP	10 43 44.0	0.4		
GTA	36.8	277	+P	10 43 53.7	0.6		
			pP	10 44 37.1	1.5		
			S	10 49 23.4	2.3		
			ScP	10 49 39.4	3.4		
			sS	10 50 36.0	-0.6		
			ScS	10 53 47.0	4.5		
GYA	39.5	255	P	10 44 15.8	0.4		
			pP	10 45 01.4	3.1		
			ScP	10 49 51.0	4.8		
			S	10 50 02.0	0.5		
WMQ	43.0	290	eP	10 44 44.0	0.6		
			pP	10 45 27.0	0.2		
KMI	43.0	257	eP	10 44 44.5	0.3		
			pP	10 45 26.0	-1.5		
			sP	10 45 50.0	-0.5		
			eS	10 50 50.0	-4.5		
			SME	m <sub>B</sub> = 5.4		6.0	0.50
LSA	48.1	271	eP	10 45 25.0	0.8		

JAN 4d 11h 04m 45.7 ± 0.09s, SD2.45 / 7  
38.04 N ± 0.79km, 106.30 E ± 0.71km, h10 ± 0.12km  
Northern China (323)  
M<sub>L</sub>3.0 / 7,

TIY	4.9	92	ePg	11 06 13.1	1.4		
			SMN	M <sub>L</sub> = 3.1	0.8	0.020	
			SME		0.6	0.030	
HHC	4.9	54	ePg	11 06 13.0	-0.2		
			eSg	11 07 15.6	-5.0		
			SMN	M <sub>L</sub> = 2.9	0.4	0.010	
			SME		0.6	0.020	
GTA	5.3	287	ePg	11 06 18.5	-0.3		
			Sg	11 07 24.6	-5.8		
			SMN	M <sub>L</sub> = 3.0	0.8	0.020	
			SME		0.6	0.010	

JAN 4d 13h 25m 21.9 ± 0.14s, SD3.40 / 12  
38.27 N ± 1.72km, 106.15 E ± 1.31km, h9 ± 0.59km  
Northern China (323)  
M<sub>L</sub>3.5 / 11,

LZH	2.9	221	Pn	13 26 10.5	2.3		
			Pg	13 26 13.0	0.7		
			Sn	13 26 43.0	-1.5		
			Sg	13 26 45.5	-5.8		
			SMN	M <sub>L</sub> = 3.4	1.0	0.19	
			SME		1.0	0.13	
BTO	3.8	51	ePn	13 26 22.4	1.4		
			Pg	13 26 32.2	3.4		





Station	Time	Phase	Time	Amplitude	Phase	Time	Amplitude	Phase	Time	Amplitude	Phase	Time	Amplitude	Phase
XAN	4.8 151	Sg	13 27 21.0	0.3										
		ePn	13 26 32.4	-2.2										
		Pg	13 26 44.8	-1.5										
		SMN	$M_L=3.7$	0.5	0.10									
		SME		0.4	0.10									
HHC	4.9 57	ePn	13 26 34.6	-1.9										
		ePg	13 26 51.6	3.0										
		Sg	13 27 53.6	-2.2										
		SMN	$M_L=3.3$	0.4	0.030									
		SME		0.4	0.040									
TIY	5.0 94	+Pg	13 26 49.9	-0.4										
		SMN	$M_L=3.6$	0.5	0.070									
		SME		0.5	0.070									
GTA	5.1 285	ePn	13 26 39.0	0.2										
		Pg	13 26 55.7	4.1										
		Sn	13 27 37.6	-2.0										
		Sg	13 28 01.8	0.8										
		SMN	$M_L=3.2$	0.8	0.030									
		SME		0.8	0.020									
<p>JAN 4d 14h 17m 21.7±0.14s, SD2.27/9                      40.79 N±1.31km, 106.43 E±0.99km, h7±0.20km                      Northern China (323)  <math>M_L=3.4/10,</math></p>														
BTO	2.7 93	ePn	14 18 05.2	-1.3										
		Pg	14 18 08.0	-2.1										
		P11	14 18 12.7	1.4										
		Sg	14 18 42.6	-4.9										
		SMN	$M_L=3.2$	0.4	0.18									
		SME		0.4	0.070									
		SMZ	$M_L=3.4$	0.4	0.11									
HHC	3.9 87	ePg	14 18 31.6	0.8										
		Sg	14 19 20.0	-3.9										
		SMN	$M_L=3.5$	0.6	0.10									
		SME		0.6	0.10									
GTA	5.3 257	Pn	14 18 43.2	2.1										
		Sn	14 19 45.0	1.0										
		Sg	14 20 08.0	1.7										
		SMN	$M_L=3.6$	1.0	0.070									
		SME		0.8	0.050									
TIY	5.6 121	ePn	14 18 47.4	1.8										
		Sg	14 20 18.8	2.2										
		SMN	$M_L=3.3$	0.7	0.030									
		SME		0.6	0.030									
<p>JAN 4d 16h 12m 55.2±0.06s, SD2.13/11                      38.01 N±0.58km, 106.32 E±0.53km, h6±0.07km                      Northern China (323)  <math>M_L=3.2/10,</math></p>														
LZH	2.8 227	ePg	16 13 44.5	0.4										
		Sg	16 14 19.0	-2.5										
		SMN	$M_L=3.0$	1.0	0.060									
		SME		1.0	0.070									
BTO	3.9 47	ePg	16 14 02.1	-1.6										
		Sg	16 14 52.4	-3.9										
		SMN	$M_L=3.8$	0.4	0.20									
		SME		0.4	0.20									
XAN	4.5 151	Pg	16 14 18.4	3.8										
TIY	4.8 92	ePn	16 14 09.0	-0.1										
		Pg	16 14 21.7	0.9										
		Sg	16 15 21.6	-5.5										
		SMN	$M_L=3.2$	0.7	0.030									
		SME		0.6	0.030									
HHC	5.0 53	ePg	16 14 23.4	0.5										
		eSn	16 15 03.2	-7.1										
		SMN	$M_L=3.1$	0.4	0.030									
		SME		0.4	0.020									
GTA	5.3 287	ePg	16 14 28.0	-0.6										
<p>JAN 4d 17h 20m 02.0±0.09s, SD1.10/73                      7.40 S±1.43km, 128.33 E±1.98km, h139±0.28km                      Banda Sea (280)  <math>m_b=5.4/7,</math></p>														
QZN	32.0 325	P	17 26 17.6	0.3										
GZH	33.7 335	-P	17 26 32.7	0.9										
SSE	38.9 350	+P	17 27 16.5	0.7										
		PMZ	$m_b=5.2$	1.0	0.051									
GYA	39.7 329	P	17 27 23.4	0.9										
		PcP	17 29 27.2	0.7										
WHN	40.0 341	+P	17 27 28.0	2.7										
		PMZ	$m_b=5.6$	1.0	0.12									
NJ2	40.3 348	+P	17 27 28.0	0.9										
KMI	40.8 323	-P	17 27 33.5	1.6										
TIA	44.6 347	eP	17 28 02.2	-0.5										
CD2	44.8 330	eP	17 28 03.8	-0.1										
XAN	45.1 337	+iP	17 28 05.6	-1.1										
TIY	47.3 343	+P	17 28 23.0	-0.5										
		PMZ	$m_b=5.2$	1.0	0.040									
BJI	48.5 348	+P	17 28 33.0	-0.1										
		PcP	17 29 56.5	-0.2										
LZH	49.0 334	eP	17 28 37.5	0.5										
		PMZ	$m_b=5.4$	2.0	0.12									
SNY	49.2 355	eP	17 28 33.8	-4.4										
HHC	50.4 344	eP	17 28 48.0	0.1										
BTO	50.6 342	eP	17 28 48.8	-0.8										
CN2	51.0 357	+P	17 28 51.0	-1.3										
LSA	51.4 318	+P	17 28 54.1	-1.2										
MDJ	51.8 1	-P	17 28 57.8	-0.2										
GTA	53.5 333	+iP	17 29 10.9	-0.3										
WMQ	62.8 328	P	17 30 15.8	0.0										
KSH	67.2 318	P	17 30 44.5	0.2										
<p>JAN 4d 20h 51m 26.4±0.12s, SD2.74/20                      37.93 N±1.21km, 106.29 E±1.16km, h10±0.13km                      Northern China (323)  <math>M_L=3.6/17,</math></p>														
LZH	2.7 228	Pg	20 52 16.5	2.4										
		Sg	20 52 52.5	2.0										
BTO	3.9 46	Pn	20 52 26.3	-1.1										
		Pg	20 52 35.4	-0.5										
		Sg	20 53 25.4	-4.3										
		SMN	$M_L=3.4$	0.4	0.080									
		SME		0.4	0.070									
		SMZ	$M_L=3.3$	0.4	0.040									
XAN	4.4 150	-Pn	20 52 36.0	2.0										
		Pg	20 52 49.0	4.4										
		Sg	20 53 49.0	3.9										
		SMN	$M_L=3.1$	0.6	0.040									
		SME		0.5	0.020									
TIY	4.9 91	ePn	20 52 41.4	1.2										
		Pg	20 52 53.9	1.5										
		Sn	20 53 37.2	-1.4										
		Sg	20 53 53.1	-5.9										
		SMN	$M_L=4.0$	0.7	0.20									
		SME		0.6	0.15									
HHC	5.0 53	ePn	20 52 42.2	-0.1										
		ePg	20 52 56.7	1.7										
		Sg	20 53 58.0	-5.7										
		SMN	$M_L=3.8$	0.6	0.090									
		SME		0.6	0.13									
GTA	5.3 288	Pn	20 52 47.6	1.7										
		Pg	20 53 01.5	1.9										







CN2	3.7	23	SME			0.5	0.76	GTA	48.4	331	P	22 55	48.2	-0.1			
			ePg	19 31	29.0	-0.8		WMQ	57.8	327	P	22 56	58.2	-0.1			
			Sg	19 32	18.0	-2.9		JAN 5d 23h 01m 09.4±0.11s, SD2.69 / 19 38.09 N±1.25km, 106.17 E±1.01km, h11±0.27km Northern China M <sub>L</sub> 3.7 / 20,									
			SMN		M <sub>L</sub> =3.8	0.8	0.25	LZH 2.7 224 Pn 23 01 58.5 4.8 Pg 23 02 00.0 2.4 Sg 23 02 34.5 -0.5 SME M <sub>L</sub> =3.4 1.0 0.18									
			SME			0.8	0.21	BTO 3.9 49 ePg 23 02 18.0 -0.3 Sg 23 03 06.4 -4.9 SMN M <sub>L</sub> =3.1 0.4 0.040 SME 0.4 0.050 SMZ M <sub>L</sub> =3.1 0.4 0.030									
JAN 5d 19h 30m 49.4±0.16s, SD3.41 / 17 40.23 N±1.68km, 123.83 E±1.41km, h13±1.15km North-Eastern China (658) M <sub>S</sub> 3.6 / 1, M <sub>L</sub> 3.9 / 17,																	
SNY	1.6	353	ePg	19 31	16.4	-1.5		XAN	4.6	150	Pn	23 02	17.7	-1.8			
			Sg	19 31	35.4	-4.5					Pg	23 02	31.8	1.0			
			SMN		M <sub>L</sub> =4.3	1.0	3.68				SMN		M <sub>L</sub> =3.9	0.8	0.20		
			SME			1.0	3.55				SME			0.6	0.20		
DL2	2.2	233	Pg	19 31	24.7	-2.9		TIY	5.0	92	ePn	23 02	24.4	0.1			
			Sg	19 31	53.5	-3.5					Pg	23 02	37.2	0.2			
			SMN		M <sub>L</sub> =4.1	0.7	1.17				SMN		M <sub>L</sub> =3.8	0.6	0.14		
			SME			0.7	1.36				SME			0.5	0.12		
CN2	3.8	18	+iPg	19 31	54.6	-1.4		HHC	5.0	55	ePn	23 02	23.8	-1.0			
			Sg	19 32	42.8	-4.6					Pg	23 02	38.2	0.6			
			SMN		M <sub>L</sub> =4.3	0.8	0.69				Sg	23 03	41.0	-5.0			
			SME			0.8	0.65				SMN		M <sub>L</sub> =3.6	0.4	0.050		
BJI	5.9	271	ePg	19 32	30.5	-2.6		GTA	5.1	287	ePn	23 02	25.7	-1.1			
			SMN		M <sub>L</sub> =3.4	1.0	0.020				Pg	23 02	43.0	2.9			
			SME			1.0	0.040				Sn	23 03	25.0	-3.1			
MDJ	6.1	42	ePn	19 32	16.4	-3.5					Sg	23 03	50.0	-0.5			
			SMN		M <sub>L</sub> =4.0	0.8	0.10				SMN		M <sub>L</sub> =3.4	0.9	0.055		
			SME								SME			0.8	0.030		
TIA	6.6	235	ePg	19 32	52.5	5.9		JAN 6d 00h 58m 31.2±0.09s, SD1.77 / 21 37.98 N±0.85km, 106.32 E±0.80km, h11±0.19km Northern China (323) M <sub>S</sub> 3.4 / 1, M <sub>L</sub> 3.7 / 21,									
			eSg	19 34	12.0	-5.1		BTO	3.9	47	Pn	00 59	29.6	-1.7			
			SMN		M <sub>L</sub> =3.5	1.2	0.010				Pg	00 59	40.2	0.5			
			SME			0.8	0.036				Sg	01 00	30.2	-2.7			
			SMZ		M <sub>L</sub> =3.3	1.0	0.010				SMN		M <sub>L</sub> =3.2	0.4	0.070		
JAN 5d 22h 44m 39.1±0.11s, SD2.82 / 11 37.97 N±1.14km, 106.38 E±0.80km, h12±0.12km Northern China (323) M <sub>L</sub> 3.5 / 9,																	
LZH	2.8	228	Pg	22 45	27.5	-0.7		XAN	4.5	151	Pn	00 59	39.3	0.1			
			Sg	22 46	02.5	-3.2					Pg	00 59	52.2	2.2			
			SMN		M <sub>L</sub> =3.2	1.0	0.11				S	01 00	29.6	-3.2			
BTO	3.9	46	ePn	22 45	43.6	4.8					Sg	01 00	49.5	-1.5			
			ePg	22 45	48.0	0.7					SMN		M <sub>L</sub> =3.2	0.6	0.039		
			Sg	22 46	36.0	-4.0					SME			0.6	0.033		
XAN	4.4	151	Pg	22 45	59.4	1.9		TIY	4.8	91	ePg	00 59	57.2	0.2			
			Sg	22 46	56.0	-1.9					Sn	01 00	40.4	-2.3			
			SMN		M <sub>L</sub> =3.3	0.7	0.040				Sg	01 00	56.2	-6.9			
			SME			0.6	0.040				SMN		M <sub>L</sub> =3.9	0.6	0.19		
HHC	4.9	53	ePg	22 46	06.9	0.3					SME			0.6	0.13		
			Sg	22 47	09.0	-5.0		HHC	5.0	53	Pn	00 59	45.1	-1.2			
			SME		M <sub>L</sub> =3.2	0.4	0.030				Pg	00 59	59.8	0.8			
GTA	5.3	288	Pg	22 46	15.0	1.4					Sg	01 01	01.0	-5.9			
			Sg	22 47	20.0	-6.3					SMN		M <sub>L</sub> =3.7	0.6	0.090		
			SMN		M <sub>L</sub> =3.1	1.0	0.025				SME			0.6	0.080		
			SME			0.7	0.012				GTA	5.3	288	Pg	01 00	05.5	0.8
JAN 5d 22h 47m 06.8±0.15s, SD1.25 / 37 1.93 S±1.66km, 127.59 E±2.45km, h33±0.25km Ceram Sea (270) m <sub>b</sub> 5.3 / 1,																	
WHN	34.7	340	-P	22 53	58.3	2.6					Sn	01 00	47.0	-6.5			
KMI	36.1	320	eP	22 54	07.0	-1.2					Sg	01 01	11.5	-5.2			
CD2	39.8	327	eP	22 54	39.0	0.4					SMN		M <sub>L</sub> =3.6	0.8	0.084		
XAN	39.9	335	-P	22 54	39.4	0.0					SME			0.6	0.041		
TIY	41.9	342	-P	22 54	56.1	0.1					LE		M <sub>S</sub> =3.4	8.0	0.40		
BJI	43.1	347	eP	22 55	05.5	-0.2											
LZH	43.8	332	eP	22 55	13.5	1.4											
			PMZ		m <sub>b</sub> =5.3	1.5	0.069										



BJI	7.9	72	Pg	01 00 53.5	1.9				
			SMN		$M_L = 3.8$	1.0	0.020		
			SME			1.0	0.040		
<p>JAN 6d 05h 47m 21.1 ± 0.09s, SD2.47 / 32          34.17 N ± 1.03km, 108.22 E ± 0.98km, h9 ± 0.01km          Eastern China (664)  <math>M_L 4.1 / 23, m_b 4.3 / 1,</math></p>									
XAN	0.6	103	Pg	05 47 33.0	1.1				
			Sg	05 47 40.9	0.8				
LZH	4.1	299	Pg	05 48 36.0	2.9				
			Sg	05 49 29.0	0.7				
			SMN		$M_L = 4.2$	1.0	0.56		
			SME			1.0	0.35		
TIY	4.9	43	ePn	05 48 32.9	-2.7				
			iPg	05 48 50.0	2.1				
			Sn	05 49 33.0	-1.6				
			Sg	05 49 52.6	-2.6				
			SMN		$M_L = 4.2$	0.4	0.35		
			SME			0.5	0.32		
CD2	5.0	230	ePn	05 48 37.0	0.6				
			Pg	05 48 52.9	3.9				
			Sn	05 49 33.3	-2.8				
			Sg	05 49 54.8	-2.2				
			SMN		$M_L = 4.4$	0.7	0.61		
			SME			0.8	0.41		
WHN	6.3	123	Pn	05 48 58.5	3.6				
			Sg	05 50 39.0	-0.3				
			SMN		$M_L = 4.3$	1.0	0.19		
BTO	6.6	12	ePn	05 49 01.0	2.6				
			epP	05 49 05.0	0.0				
			eSn	05 50 15.5	-0.1				
			SMN		$m_b = 4.3$	9.0	0.40		
			SME			9.0	0.30		
HHC	7.2	21	ePn	05 49 10.6	3.9				
			SMN		$M_L = 4.4$	0.7	0.13		
			SME			0.6	0.18		
TIA	7.6	72	ePg	05 49 40.4	5.5				
			eSg	05 51 16.0	-2.3				
			SMN		$M_L = 3.9$	1.2	0.029		
			SME			1.1	0.045		
			SMZ		$M_L = 3.6$	1.2	0.015		
GYA	7.8	190	Pn	05 49 16.6	1.2				
			pP	05 49 21.0	-1.4				
			Sn	05 50 45.0	-1.2				
			SMN		$M_L = 4.2$	1.0	0.090		
			SME			1.0	0.070		
GTA	8.5	310	P	05 49 27.6	-0.4				
			SMN		$M_L = 3.8$	1.0	0.027		
			SME			1.0	0.016		
<p>JAN 6d 13h 44m 25.1 ± 0.10s, SD2.69 / 10          39.68 N ± 0.97km, 118.46 E ± 0.88km, h10 ± 0.28km          North-Eastern China (658)  <math>M_L 3.1 / 11,</math></p>									
BJI	1.8	282	-Pg	13 44 56.0	-0.8				
			Sg	13 45 20.0	-1.2				
			SMN		$M_L = 2.5$	0.5	0.040		
			SME			0.5	0.050		
TIA	3.6	197	ePg	13 45 31.4	2.2				
			eSg	13 46 18.0	-0.6				
			SMN		$M_L = 3.4$	0.5	0.10		
			SME			0.7	0.10		
TIY	5.1	249	ePg	13 45 50.8	-4.6				
			eSg	13 47 06.0	1.0				
			SMN		$M_L = 2.9$	0.7	0.010		
			SME			0.8	0.020		

<p>JAN 6d 14h 49m 21.1 ± 0.10s, SD1.46 / 78          6.16 N ± 1.20km, 126.32 E ± 1.96km, h88 ± 0.69km          Mindanao (259)  <math>M_b 4.6 / 8, m_b 5.4 / 5, m_b 5.0 / 5,</math></p>									
QZH	20.1	339	eP	14 53 49.0	-1.1				
			S	14 57 30.0	4.5				
			LN		$M_b = 4.2$	20.0	0.62		
QZN	20.5	310	eP	14 53 54.4	-0.1				
			sP	14 54 27.5	3.8				
			S	14 57 37.0	3.3				
			SME		$m_b = 5.5$	8.0	0.92		
			sS	14 57 55.5	-5.9				
GZH	21.0	325	+P	14 54 02.0	2.9				
			eS	14 57 47.0	4.3				
			SMN		$m_b = 5.6$	10.0	1.01		
			SME			10.0	1.00		
SSE	25.3	350	+P	14 54 41.0	0.1				
			PMZ		$m_b = 5.0$	1.5	0.065		
			sP	14 55 10.0	-1.0				
			S	14 58 59.0	1.8				
			SMN		$m_b = 5.2$	12.0	0.90		
			LN		$M_b = 4.6$	8.0	0.47		
NJ2	26.7	346	+P	14 54 54.8	0.7				
WHN	26.7	337	eP	14 54 56.5	2.0				
			sP	14 55 28.0	3.2				
			S	14 59 21.0	-0.4				
			LZ		$M_b = 4.3$	24.0	1.00		
GYA	27.5	319	P	14 55 06.4	4.3				
			pP	14 55 25.8	4.4				
			PcP	14 58 18.2	0.6				
			S	14 59 41.2	6.7				
TIA	31.1	345	eP	14 55 33.0	-0.4				
XAN	32.1	332	P	14 55 42.0	-0.2				
			S	15 00 50.0	3.8				
CD2	32.5	322	eP	14 55 46.2	0.6				
TIY	33.9	340	-iP	14 55 57.5	-0.1				
BJI	34.9	346	eP	14 56 05.0	-1.8				
			PcP	14 58 37.0	-0.3				
			eS	15 01 25.0	-6.3				
			ScP	15 02 17.0	3.6				
			ScS	15 06 20.0	4.2				
SNY	35.6	356	+P	14 56 12.0	-0.3				
			S	15 01 40.0	-0.6				
			LN		$M_b = 4.5$	20.0	0.48		
LZH	36.2	328	eP	14 56 19.5	1.7				
			PMZ		$m_b = 5.6$	2.0	0.20		
			LN		$M_b = 5.0$	7.0	0.55		
HHC	37.0	341	-P	14 56 24.0	-0.1				
BTO	37.3	339	-P	14 56 27.0	0.4				
			pP	14 56 49.0	2.3				
			ePP	14 57 57.0	2.5				
			eS	15 02 06.5	-0.8				
			sS	15 02 41.0	-1.2				
MDJ	38.4	4	+P	14 56 36.4	0.5				
LSA	40.6	310	eP	14 56 51.4	-2.8				
GTA	40.8	328	P	14 56 54.0	-2.0				
			LE		$M_b = 4.8$	30.0	1.39		
			LZ		$M_b = 4.6$	26.0	1.20		
WMQ	50.5	324	P	14 58 15.5	2.6				
<p>JAN 6d 15h 31m 10.2 ± 0.13s, SD2.53 / 65          39.73 N ± 2.21km, 75.29 E ± 1.77km, h15 ± 0.43km          Southern Xinjiang Province (321)  <math>M_b 5.0 / 24, M_L 5.3 / 5, m_b 4.7 / 2,</math></p>									
KSH	0.5	113	-iPg	15 31 20.5	0.3				
			Sg	15 31 27.5	0.0				
			SME		$M_L = 5.6$	0.5	328		
WMQ	10.1	62	-P	15 33 37.5	-1.2				



		S	15 35 26.0	-6.8			TIY	32.6 269 +P	18 41 21.6	0.3	
		LN		$M_s = 5.3$	6.0	5.48	GTA	40.3 280 +P	18 42 27.1	0.7	
		LE			6.0	5.09	GYA	43.3 259 P	18 42 50.0	-0.6	
LSA	16.4 123	+P	15 35 00.6	-1.9			JAN 7d 00h 55m $10.3 \pm 0.11s$ , SD1.21 / 37 $0.18 N \pm 0.86km$ , $122.37 E \pm 0.63km$ , $h186 \pm 1.06km$ Minahassa Peninsula (Celebes) (265)				
		pP	15 35 08.0	0.8			GYA	30.2 331 P	01 01 07.6	1.7	
		S	15 38 06.0	2.9			KMI	31.2 324 eP	01 01 16.5	1.5	
		LN		$M_s = 4.4$	6.0	0.27	CD2	35.3 332 eP	01 01 49.8	0.1	
		LE			7.0	0.38	LSA	41.8 317 +P	01 02 44.4	0.4	
GTA	18.9 83	eP	15 35 31.2	-2.0			GTA	44.2 335 +iP	01 03 03.4	0.7	
		S	15 39 05.0	5.2			WMQ	53.3 329 P	01 04 12.4	-0.4	
		LN		$M_s = 4.8$	14.0	2.37	JAN 7d 06h 15m $06.0 \pm 0.04s$ , SD0.89 / 8 $36.88 N \pm 0.36km$ , $111.65 E \pm 0.47km$ , $h12 \pm 0.13km$ Eastern China (664)				
		LZ		$M_s = 4.8$	12.0	2.60	TIY	1.0 37 -iPg	06 15 24.6	0.0	
LZH	22.8 90	eP	15 36 14.0	0.0				Sg	06 15 37.6	-1.2	
		PMZ		$m_b = 4.9$	1.0	0.049		SMN	$M_L = 3.0$	0.4	0.28
		eS	15 40 15.0	-3.1				SME		0.4	0.42
		LN		$M_s = 5.4$	6.0	2.53	HHC	4.0 359 Pg	06 16 15.6	-0.6	
CD2	24.8 102	eP	15 36 38.0	4.9				Sg	06 17 08.2	-2.0	
		eS	15 40 48.0	-4.3				SMN	$M_L = 2.9$	0.6	0.020
		LE		$M_s = 5.1$	12.0	2.13		SME		0.6	0.030
BTO	26.5 77	eP	15 36 48.0	-1.1			JAN 7d 06h 56m $51.0 \pm 0.10s$ , SD2.03 / 38 $35.29 N \pm 1.80km$ , $140.65 E \pm 1.39km$ , $h34 \pm 1.34km$ Near east coast of Honshu (228)				
		eS	15 41 16.0	-4.6			CN2	14.5 311 P	07 00 18.0	2.5	
		LN		$M_s = 5.1$	13.0	1.10	SNY	14.9 301 eP	07 00 24.5	4.0	
		LE			13.0	2.10	SSE	16.8 261 eP	07 00 44.5	-1.1	
		LZ		$M_s = 5.0$	13.0	2.70		LE	$M_s = 4.0$	14.0	0.39
KMI	27.2 114	eP	15 36 59.0	2.6				LZ	$M_s = 4.3$	12.0	0.90
		pP	15 37 05.0	2.8			TIA	19.1 280 eP	07 01 14.3	0.3	
		eS	15 41 40.0	6.5			WHN	22.6 265 P	07 01 50.0	0.4	
		LE		$M_s = 5.1$	16.0	2.80	GYA	30.4 263 P	07 03 02.0	-0.3	
XAN	27.4 91	P	15 37 03.0	5.4			WMQ	41.1 298 P	07 04 34.7	0.9	
		LN		$M_s = 4.9$	13.0	1.46	JAN 7d 09h 24m $18.5 \pm 0.10s$ , SD2.01 / 38 $59.01 S \pm 2.99km$ , $23.69 W \pm 4.78km$ , $h31 \pm 0.20km$ South Sandwich Islands region (153)				
HHC	27.6 76	eP	15 36 59.0	-0.4			KMI	129.8 108 +PKP	09 43 27.0	0.6	
		S	15 41 35.7	-2.1			WMQ	136.6 79 ePKP	09 43 38.5	-0.6	
		LN		$M_s = 4.8$	10.0	0.78	LZH	139.2 100 ePKP	09 43 44.0	0.1	
		LE			10.0	0.45	TIY	144.8 108 PKP	09 43 51.5	-2.1	
TIY	28.9 82	P	15 37 10.8	-0.7				pPKP	09 44 03.0	0.7	
		S	15 42 04.0	4.6				SKS	09 50 49.5	-6.8	
		LN		$M_s = 5.0$	13.0	1.11		LN	$M_s = 6.0$	23.0	1.88
		LE			12.0	1.02		LZ	$M_s = 5.7$	22.0	1.17
BJI	31.2 76	eP	15 37 30.5	-1.0			BTO	145.8 102 +iPKP	09 43 56.5	1.2	
		eS	15 42 30.0	-6.0				pPKP	09 44 06.0	1.9	
		e	15 48 48.0				TIA	145.9 114 +PKP	09 43 55.5	0.2	
		LN		$M_s = 4.7$	13.0	0.75		LN	$M_s = 5.3$	22.0	0.38
		LZ		$M_s = 4.6$	24.0	1.61		LZ	$M_s = 5.4$	22.0	0.63
WHN	33.0 94	eP	15 37 45.8	-1.7			BJI	148.4 109 ePKP	09 43 58.0	-1.5	
		eS	15 43 00.0	-4.7				ePP	09 47 31.0	-4.0	
		LN		$M_s = 4.9$	15.0	1.15	DL2	150.1 117 ePKP	09 44 07.5	5.2	
		LZ		$M_s = 4.7$	18.0	1.36	CN2	155.8 115 ePKP	09 44 10.8	0.6	
NJ2	35.8 88	+P	15 38 10.0	-1.7			JAN 7d 10h 59m $37.9 \pm 0.10s$ , SD1.33 / 22 $38.37 N \pm 1.47km$ , $45.37 E \pm 1.12km$ , $h35 \pm 0.46km$ Turkey-Iran border region (343)				
		LN		$M_s = 5.1$	12.0	1.01	KSH	23.7 78 P	11 04 50.5	2.3	
		LE			10.0	0.48	WMQ	32.1 67 P	11 06 05.2	0.7	
CN2	37.2 67	eP	15 38 24.0	1.0			JAN 6d 18h 34m $50.1 \pm 0.08s$ , SD1.54 / 21 $47.33 N \pm 2.57km$ , $155.25 E \pm 1.77km$ , $h35 \pm 0.48km$ Kurile Islands region (222)				
		eS	15 44 08.0	-1.0			CN2	21.1 271 eP	18 39 31.0	-3.2	
		LE		$M_s = 5.0$	12.0	0.90	SNY	23.1 268 eP	18 39 51.4	-2.9	
		LZ		$M_s = 4.8$	20.0	1.50	BJI	28.9 270 eP	18 40 52.0	3.4	
SSE	38.0 88	eP	15 38 35.0	4.7							
		eS	15 44 16.0	-6.2							
		LE		$M_s = 5.1$	12.0	1.16					
		LZ		$M_s = 4.7$	16.0	0.89					
MDJ	39.9 65	eP	15 38 41.0	-5.0							
		S	15 44 43.0	-6.6							
		LZ		$M_s = 5.2$	18.0	3.50					



XAN	50.6	74	P	11 08 35.2	-0.5		
GYA	52.2	84	P	11 08 48.0	-0.4		
<p>JAN 7d 11h 38m 34.7±0.08s, SD1.36 / 57                  25.74 N±1.13km, 125.15 E±0.89km, h153±0.72km                  North-east of Taiwan (245)                  m<sub>s</sub>5.1 / 1,</p>							
SSE	6.4	328	P	11 40 07.0	-0.4		
WHN	10.7	299	eP	11 41 06.0	1.7		
TIA	12.5	329	eP	11 41 28.2	-0.1		
TIY	16.1	321	-P	11 42 15.0	1.2		
			PMZ			m <sub>s</sub> = 5.1	1.2 0.090
SNY	16.1	356	+P	11 42 15.2	1.4		
BJI	16.1	334	eP	11 42 14.5	0.5		
XAN	16.3	304	P	11 42 17.2	0.7		
GYA	16.6	277	P	11 42 21.8	1.4		
CN2	18.0	1	+P	11 42 38.0	1.3		
HHC	18.8	326	P	11 42 45.0	-0.5		
BTO	19.4	323	eP	11 42 52.0	0.1		
CD2	19.5	290	eP	11 42 51.1	-1.4		
LZH	20.9	305	eP	11 43 07.0	-0.2		
GTA	25.2	309	-P	11 43 46.7	-1.7		
			pP	11 44 18.5	-0.6		
WMQ	35.3	310	P	11 45 16.2	-0.8		

<p>JAN 8d 02h 40m 28.0±0.10s, SD1.46 / 69                  44.37 N±2.26km, 148.70 E±1.17km, h57±1.49km                  Kurile Islands region (222)                  M<sub>s</sub>4.3 / 2,</p>							
MDJ	13.6	278	eP	02 43 40.0	-0.6		
CN2	16.7	276	eP	02 44 18.5	-1.5		
SNY	18.5	271	-iP	02 44 42.1	0.1		
BJI	24.4	271	eP	02 45 42.0	-0.4		
TIA	25.3	262	eP	02 45 51.8	0.6		
NJ2	26.3	252	eP	02 46 00.8	0.1		
HHC	27.4	276	eP	02 46 11.6	0.9		
TIY	28.0	269	eP	02 46 15.0	-1.0		
			S	02 50 50.0	-3.1		
			LE			M <sub>s</sub> = 4.4	7.0 0.22
BTO	28.6	276	eP	02 46 22.0	0.5		
			pP	02 46 35.5	0.8		
			eS	02 51 06.0	2.1		
WHN	30.3	255	eP	02 46 40.5	3.8		
XAN	32.2	265	P	02 46 54.4	0.9		
LZH	34.9	272	eP	02 47 17.0	0.6		
			PMZ				3.0 0.16
GTA	36.3	280	P	02 47 28.5	0.0		
CD2	37.6	265	eP	02 47 38.7	-0.5		
GYA	38.2	256	eP	02 47 45.0	0.9		
KMI	41.7	258	+P	02 48 15.5	1.7		
WMQ	42.9	292	P	02 48 24.0	0.8		
KSH	52.7	292	eP	02 49 41.0	1.3		

<p>JAN 8d 04h 10m 41.7±0.18s, SD1.88 / 21                  25.29 N±1.79km, 126.69 E±0.89km, h155±1.56km                  Ryukyu Islands (238)</p>							
SSE	7.6	321	eP	04 12 27.8	-2.4		
			LN			12.0	0.58
			LE			12.0	0.58
			LZ			16.0	1.33
TIY	17.3	319	eP	04 14 33.0	-2.7		
XAN	17.7	304	P	04 14 38.0	-2.2		
LZH	22.3	304	eP	04 15 28.5	0.7		
GTA	26.6	309	+P	04 16 06.9	-0.9		

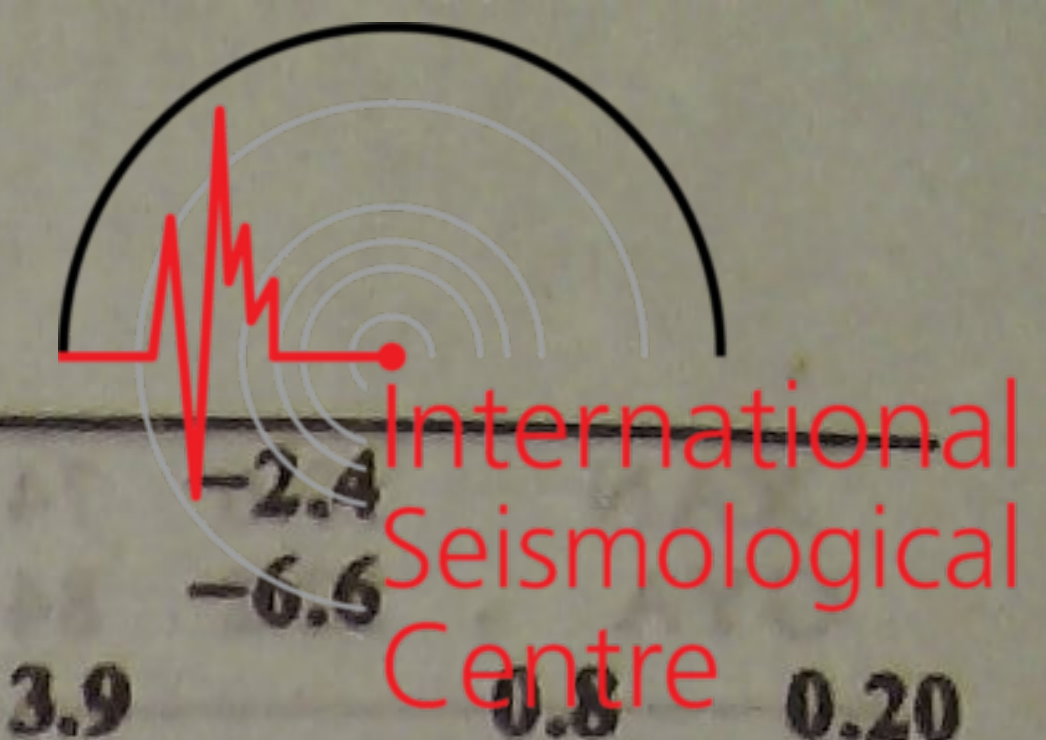
<p>JAN 8d 12h 43m 00.1±0.11s, SD1.14 / 64                  5.62 S±1.09km, 149.65 E±0.70km, h149±1.30km                  New Britain region (192)</p>							
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<p>m<sub>s</sub>5.4 / 3,</p>							
QZH	42.8	316	eP	12 50 46.6	1.2		
SSE	45.5	325	+P	12 51 07.5	0.6		
			PMZ			m <sub>s</sub> = 5.4	1.0 0.063
NJ2	47.6	324	+P	12 51 23.0	0.0		
WHN	49.3	319	eP	12 51 38.5	1.9		
TIA	51.6	326	+P	12 51 53.2	-0.4		
GYA	52.4	310	eP	12 52 01.2	1.0		
SNY	52.9	336	+P	12 52 03.3	0.1		
MDJ	53.2	342	+iP	12 52 06.2	0.9		
CN2	53.8	338	-P	12 52 09.2	-1.0		
BJI	54.9	329	eP	12 52 17.5	-0.5		
XAN	55.1	319	-P	12 52 19.6	0.0		
TIY	55.3	324	eP	12 52 21.0	0.0		
CD2	56.9	313	eP	12 52 31.4	-1.2		
HHC	57.9	326	P	12 52 40.0	0.3		
BTO	58.6	325	eP	12 52 44.0	-0.5		
LZH	59.7	318	eP	12 52 51.5	-0.3		
			PMZ			m <sub>s</sub> = 5.1	1.5 0.047
GTA	64.2	319	P	12 53 20.7	-1.0		
WMQ	74.2	318	P	12 54 23.5	0.2		

<p>JAN 8d 13h 05m 44.7±0.10s, SD1.01 / 45                  40.00 N±1.35km, 15.74 E±1.78km, h10±0.27km                  Southern Italy (390)                  m<sub>s</sub>5.0 / 1,</p>							
KSH	45.5	70	eP	13 14 09.0	2.4		
WMQ	52.1	61	P	13 14 58.8	0.7		
GTA	62.2	61	-P	13 16 08.9	-0.7		
LZH	66.7	62	eP	13 16 38.5	-0.2		
			PMZ			m <sub>s</sub> = 5.0	1.0 0.017
BTO	68.2	55	eP	13 16 47.0	-1.3		
HHC	69.0	54	eP	13 16 53.4	0.0		
CD2	69.5	66	P	13 16 56.2	-0.1		
XAN	71.3	61	P	13 17 06.5	-0.5		
TIY	71.4	56	eP	13 17 05.0	-2.9		
BJI	72.3	52	eP	13 17 13.0	-0.4		
GYA	74.2	69	P	13 17 23.8	-0.5		
CN2	75.3	45	-P	13 17 30.0	-0.6		

<p>JAN 8d 15h 51m 60.0±0.09s, SD2.34 / 47                  38.08 N±1.12km, 106.35 E±0.95km, h10±0.03km                  Northern China (323)                  M<sub>s</sub>4.3 / 13, M<sub>L</sub>4.4 / 19,</p>							
LZH	2.8	226	Pn	15 52 47.5	1.7		
			Pg	15 52 50.0	0.1		
			Sn	15 53 24.0	2.4		
			Sg	15 53 28.0	-0.5		
			SMN			M <sub>L</sub> = 4.3	1.0 1.64
			SME				1.0 1.20
BTO	3.8	47	ePn	15 52 59.2	0.2		
			Pg	15 53 09.4	2.4		
			Sg	15 53 58.4	-0.5		
			SMN			M <sub>L</sub> = 4.4	0.4 1.07
			SME				0.4 0.92
			SMZ			M <sub>L</sub> = 4.4	0.4 0.60
XAN	4.5	152	Pn	15 53 10.7	1.5		
			Pg	15 53 23.5	3.4		
			Sg	15 54 19.8	-2.4		
			SMN			M <sub>L</sub> = 4.1	0.7 0.38
			SME				0.7 0.21
TIY	4.8	93	ePn	15 53 13.3	0.1		
			Pg	15 53 28.1	3.0		
			Sn	15 54 11.4	0.3		
			Sg	15 54 27.8	-3.3		
			SMN			M <sub>L</sub> = 4.9	1.0 2.09
			SME				0.8 1.08
HHC	4.9	54	ePg	15 53 31.0	4.5		





GTA	5.3	287	Sn	15 54	12.0	-0.7			
			Sg	15 54	33.4	0.2			
			SME		$M_L=4.6$	0.6	0.86		
			Pn	15 53	21.0	1.5			
			Pg	15 53	36.4	3.2			
CD2	7.5	197	Sn	15 54	18.0	-4.4			
			Sg	15 54	43.0	-2.4			
			SMN			2.0	1.38		
			LN		$M_S=4.3$	10.0	3.90		
			Pn	15 53	54.0	4.6			
BJI	7.9	73	Sg	15 55	55.0	1.1			
			SMN		$M_L=4.4$	1.0	0.14		
			SME			1.0	0.11		
			cPn	15 53	58.0	2.8			
			Pg	15 54	25.0	5.8			
WHN	10.0	136	Sg	15 56	03.0	-4.1			
			LN		$M_S=3.9$	11.0	0.90		
			LZ		$M_S=3.7$	12.0	0.62		
			eP	15 54	28.5	1.4			
			LN		$M_S=4.3$	8.0	1.20		
GYA	11.6	179	LZ		$M_S=4.1$	10.0	0.96		
			P	15 54	47.6	-1.4			
			LE		$M_S=4.4$	10.0	1.50		
WMQ	15.2	298	P	15 55	35.9	-0.9			
			sP	15 55	42.0	-2.8			
			SS	15 58	42.0	-0.9			
CN2	15.5	62	LN		$M_S=4.6$	9.0	1.14		
			eP	15 55	42.0	1.3			

HHC	5.0	53	Sn	18 24	34.0	-2.4			
			Sg	18 24	50.2	-6.5			
			SMN		$M_L=3.9$	0.8	0.20		
			SME			0.6	0.11		
			ePn	18 23	40.0	0.7			
GTA	5.2	288	Pg	18 23	54.0	2.1			
			SMN		$M_L=4.4$	0.6	0.67		
			SME			0.6	0.19		
			ePn	18 23	43.0	0.3			
			Pg	18 23	58.0	1.7			
SNY	1.5	6	Sn	18 24	41.9	-3.3			
			Sg	18 25	07.0	-1.0			
			SMN		$M_L=3.4$	0.8	0.041		
			SME			0.8	0.036		

JAN 8d 21h 39m 06.7 ± 0.15s, SD2.48 / 10  
 40.35 N ± 1.21km, 123.37 E ± 1.40km, h12 ± 0.29km  
 North-Eastern China (658)  
 $M_L=3.4 / 11,$

DL2	2.0	223	-Pn	21 39	32.2	-1.4			
			-iPg	21 39	33.2	0.2			
			Sn	21 39	51.4	-3.3			
			SMN		$M_L=3.6$	0.5	0.92		
			SME			0.5	0.79		
CN2	3.8	24	Pg	21 39	42.2	0.5			
			Sg	21 40	10.3	1.7			
			SMN		$M_L=3.6$	0.5	0.43		
			SME			0.5	0.54		
			ePn	21 40	05.0	-0.2			
KSH	42.2	73	ePg	21 40	14.8	1.4			
			eSn	21 40	46.4	-5.2			
			eSg	21 41	03.0	-2.1			
			SMN		$M_L=3.9$	0.8	0.30		
			SME			0.8	0.30		

JAN 8d 16h 50m 38.7 ± 0.06s, SD0.98 / 55  
 45.55 N ± 0.99km, 26.26 E ± 0.53km, h136 ± 0.32km  
 Romania (358)

KSH	36.6	81	P	16 57	37.0	3.0		
WMQ	42.8	69	+P	16 58	26.0	1.1		
GTA	52.8	69	+P	16 59	43.0	-0.1		
LZH	57.3	70	P	17 00	16.0	0.4		
CD2	60.4	75	P	17 00	36.3	-0.1		
XAN	61.9	69	+P	17 00	46.3	-0.5		
TIY	61.9	64	+P	17 00	46.5	-0.5		
BJI	62.8	60	eP	17 00	52.0	-0.8		
KMI	63.3	81	-P	17 00	55.5	-0.7		
GYA	65.1	77	P	17 01	07.6	-0.5		
CN2	65.8	52	+P	17 01	11.7	-0.6		
WHN	67.7	69	eP	17 01	24.5	0.6		

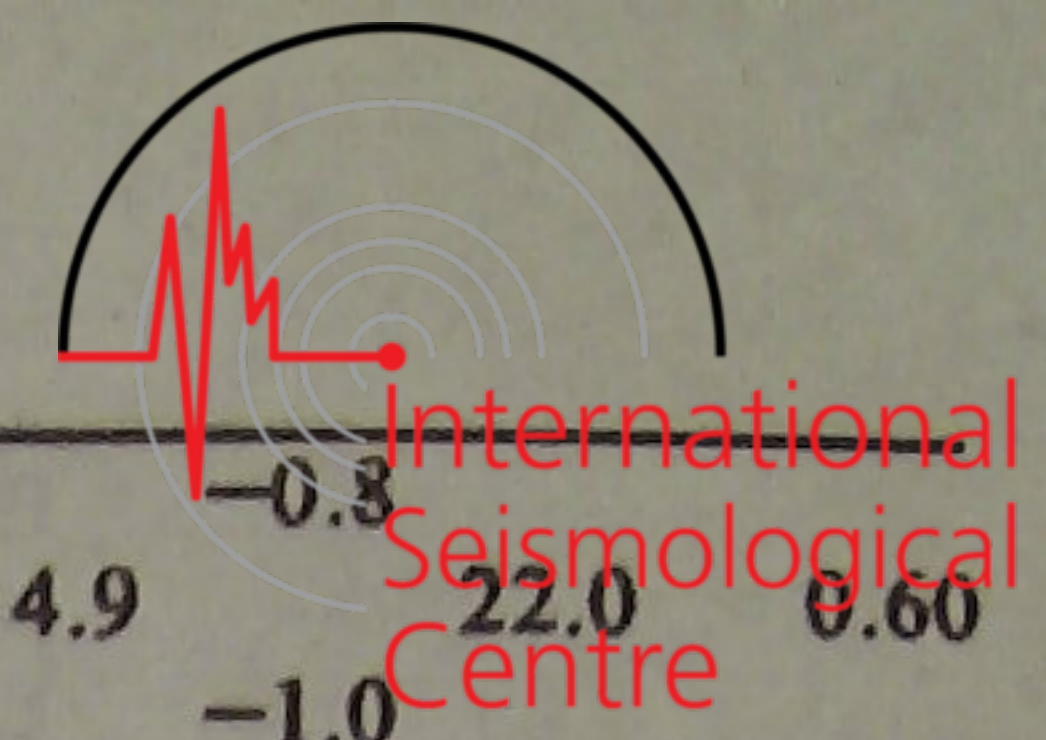
JAN 9d 01h 02m 45.6 ± 0.10s, SD1.07 / 85  
 41.30 N ± 1.57km, 19.75 E ± 1.90km, h24 ± 0.12km  
 Albania (391)  
 $M_S=5.8 / 34, m_B=5.8 / 10, m_b=5.6 / 5,$

WMQ	48.8	63	P	01 10	40.0	1.2			
			sP	01 10	52.0	2.3			
			PP	01 12	19.0	-0.3			
			S	01 16	54.5	-1.8			
			LN		$M_S=6.0$	16.0	10.4		
GTA	58.9	63	+P	01 11	32.0	0.3			
			pP	01 11	38.5	-0.9			
			PcP	01 12	57.0	1.2			
			eS	01 18	36.0	3.0			
			LN		$M_S=5.9$	13.0	5.10		
LZH	63.4	64	P	01 12	45.0	-1.0			
			PMZ		$m_B=5.6$	8.0	0.71		
			S	01 20	50.0	2.2			
			SME		$m_B=5.5$	8.0	0.47		
			ScS	01 22	32.5	2.9			
BTO	64.9	57	LE		$M_S=5.8$	20.0	5.08		
			eP	01 13	15.5	-0.6			
			PMZ		$m_b=5.6$	1.5	0.12		
			LN		$M_S=5.8$	18.0	3.50		
			LE			18.0	1.40		
HHC	65.8	56	+P	01 13	26.0	-0.4			
			sP	01 13	37.5	0.0			
			ePP	01 15	49.0	-1.3			
			S	01 22	04.0	-0.1			
			eSS	01 26	21.0	3.3			
GTA	5.2	288	LN		$M_S=6.0$	20.0	5.00		
			LE			20.0	3.40		
			LZ		$M_S=5.8$	22.0	7.70		
			+P	01 13	31.5	-0.3			









Station	Mag	Depth (km)	Type	Time	Lat (N)	Long (E)	Mag	Depth (km)	Type	Time	Lat (N)	Long (E)	Mag	Depth (km)	Type	Time	Lat (N)	Long (E)	Mag	Depth (km)	Type	Time	Lat (N)	Long (E)	
LSA	18.7	114	eP	03 59 22.4	-1.4																				
GTA	21.9	80	+iP	03 59 58.0	0.6																				
LZH	25.8	87	+P	04 00 35.5	0.8																				
CD2	27.6	97	P	04 00 51.8	0.5																				
BTO	29.5	75	eP	04 01 08.0	-0.4																				
KMI	29.8	109	-P	04 01 10.0	-1.2																				
XAN	30.4	88	+P	04 01 15.1	-1.1																				
HHC	30.6	74	eP	04 01 18.3	0.0																				
TIY	32.0	79	+P	04 01 30.0	-0.2																				
GYA	32.0	103	+P	04 01 30.0	-0.6																				
BJI	34.2	74	eP	04 01 49.0	-0.7																				
WHN	36.0	90	eP	04 02 06.2	1.5																				
TIA	36.0	80	eP	04 02 05.2	0.3																				
QZN	38.7	110	eP	04 02 28.2	0.5																				
NJ2	38.8	85	-P	04 02 29.4	0.7																				
GZH	38.9	102	P	04 02 30.0	0.7																				
CN2	40.1	65	eP	04 02 40.0	0.4																				
SSE	41.0	86	-P	04 02 48.0	0.9																				
			PMZ		$m_b = 5.0$			1.0		0.026															
			LZ		$M_s = 4.9$			12.0		0.90															
<p>JAN 10d 00h 53m <math>04.8 \pm 0.11s</math>, <math>SD2.75 / 36</math>  <math>38.10 N \pm 1.29km</math>, <math>106.35 E \pm 1.11km</math>, <math>h10 \pm 0.13km</math>                      Northern China  <math>M_s3.7 / 3</math>, <math>M_L4.1 / 26</math>,                      (323)</p>																									
LZH	2.8	226	Pn	00 53 55.0	4.3																				
			Pg	00 53 58.0	3.1																				
			Sn	00 54 28.0	1.3																				
			Sg	00 54 31.0	-2.7																				
			SMN		$M_L = 4.3$			1.0		1.13															
			SME					1.0		1.35															
BTO	3.8	48	Pn	00 54 03.8	0.1																				
			Pg	00 54 14.0	2.4																				
			Sg	00 55 03.2	-0.1																				
			SMN		$M_L = 3.8$			0.4		0.22															
			SME					0.4		0.24															
			SMZ		$M_L = 3.9$			0.4		0.20															
XAN	4.6	152	Pn	00 54 14.8	0.7																				
			Pg	00 54 27.1	2.0																				
			Sg	00 55 23.7	-3.7																				
			SMN		$M_L = 4.1$			1.0		0.36															
			SME					0.8		0.21															
TIY	4.8	93	ePn	00 54 21.5	3.6																				
			Pg	00 54 34.1	4.1																				
			Sn	00 55 14.2	-1.7																				
			Sg	00 55 32.4	-3.5																				
			SMN		$M_L = 4.8$			0.5		1.33															
			SME					0.6		1.03															
HHC	4.9	54	ePn	00 54 19.2	0.5																				
			Pg	00 54 36.4	5.5																				
			Sg	00 55 37.0	-0.7																				
			SMN		$M_L = 4.5$			0.6		0.49															
			SME					0.6		0.70															
GTA	5.3	286	Pn	00 54 24.2	0.0																				
			Pg	00 54 41.0	3.1																				
			Sn	00 55 25.0	-2.1																				
			Sg	00 55 50.0	-0.1																				
			SMN					2.0		0.69															
			LN		$M_s = 3.5$			7.0		0.44															
CD2	7.5	197	ePn	00 54 57.6	3.2																				
BJI	7.9	73	ePn	00 55 02.0	2.1																				
			ePg	00 55 29.5	5.6																				
			eSg	00 57 05.5	-6.3																				
			SMN		$M_L = 4.1$			1.0		0.050															
			SMN		$M_L = 4.0$			1.0		0.040															
TIA	8.8	99	eP	00 55 12.5	-2.8																				
			SMN		$M_L = 4.6$			1.8		0.070															
			SME					1.8		0.17															
			SMZ		$M_L = 4.5$			1.2		0.060															
			LN		$M_s = 3.7$			12.0		0.52															
WHN	10.0	136	eP	00 55 30.0	-2.1																				



		LE		$M_s = 3.8$	11.0	0.44
GYA	11.6	179	P	00 55 53.4	-0.5	
			sP	00 55 59.0	-2.5	
			S	00 58 01.6	-2.6	

JAN 10d 02h 10m  $11.7 \pm 0.06s$ , SD1.00 / 49  
 11.76 N  $\pm 1.01km$ , 125.73 E  $\pm 1.52km$ , h19  $\pm 0.14km$   
 Samar (251)

				$M_s = 4.5$		
SSE	19.7	348	+P	02 14 43.6	0.6	
			PMZ	$m_b = 4.7$		1.0 0.038
			eS	02 18 20.0	1.1	
			LE	$M_s = 4.5$		16.0 1.08
WHN	21.5	332	+iP	02 15 03.5	2.0	
GYA	23.2	312	P	02 15 19.4	1.0	
TIA	25.6	344	eP	02 15 41.0	-0.4	
XAN	27.0	328	P	02 15 53.4	-1.1	
CD2	27.9	317	eP	02 16 02.1	-0.6	
TIY	28.5	337	eP	02 16 07.0	-1.1	
BJI	29.4	345	eP	02 16 16.0	-0.5	
SNY	30.0	357	eP	02 16 21.4	-0.5	
BTO	31.9	337	eP	02 16 37.6	-1.0	
GTA	35.9	325	P	02 17 13.0	0.0	
LSA	36.7	304	P	02 17 19.0	-1.7	
WMQ	45.7	321	-P	02 18 35.5	1.4	

JAN 10d 02h 34m  $38.2 \pm 0.09s$ , SD2.10 / 31  
 39.20 N  $\pm 2.07km$ , 71.47 E  $\pm 1.25km$ , h32  $\pm 0.28km$   
 Afghanistan-USSR border region (717)

				$M_s = 4.8$		
KSH	3.5	83	ePn	02 35 34.5	3.9	
			Sn	02 36 13.0	1.0	
			SMN			5.0 11.7
WMQ	13.0	64	eP	02 37 47.0	3.1	
			LE			2.0 0.060
GTA	21.9	80	-P	02 39 30.2	-0.7	
CD2	27.6	97	eP	02 40 24.7	-0.3	

JAN 10d 06h 18m  $32.9 \pm 0.08s$ , SD1.70 / 29  
 29.63 N  $\pm 1.18km$ , 90.51 E  $\pm 0.81km$ , h29  $\pm 0.26km$   
 Tibet (306)

LSA	0.6	83	Pg	06 18 40.5	-3.9	
GYA	14.6	99	P	06 22 00.6	0.8	
XAN	16.3	70	P	06 22 18.5	-2.5	
WHN	20.6	82	+iP	06 23 14.5	1.5	
BJI	23.4	57	eP	06 23 42.0	1.4	

JAN 10d 06h 31m  $42.3 \pm 0.05s$ , SD1.40 / 15  
 29.80 N  $\pm 0.81km$ , 90.43 E  $\pm 0.66km$ , h10  $\pm 0.28km$   
 Tibet (306)

LSA	0.6	99	+iPg	06 31 53.0	-1.1	
			Sg	06 32 01.4	-1.0	
			LE			5.0 33.4
GYA	14.7	99	P	06 35 13.0	0.3	

JAN 10d 07h 24m  $35.1 \pm 0.09s$ , SD2.25 / 94  
 38.09 N  $\pm 1.28km$ , 106.36 E  $\pm 1.10km$ , h9  $\pm 0.06km$   
 Northern China (323)

				$M_s = 5.1$		
LZH	2.8	226	Pn	07 25 23.5	2.4	
			Pg	07 25 25.5	0.3	
			Sn	07 25 55.0	-2.1	
			Sg	07 25 58.0	-6.0	
			SMN	$M_L = 5.6$		1.0 30.7
			SME			1.0 24.6
BTO	3.8	47	Pn	07 25 34.0	0.0	
			Pg	07 25 44.5	2.6	
			Sg	07 26 36.0	2.4	

				$M_s = 4.8$		
			LN			9.0 14.1
			LE			8.0 9.80
XAN	4.5	152	+iPn	07 25 46.0	1.6	
			Pg	07 26 00.5	5.2	
			Sg	07 26 57.0	-0.5	
			LN	$M_s = 4.6$		8.0 1.58
			LE			6.0 6.00
TIY	4.8	93	+Pn	07 25 48.2	0.0	
			Pg	07 26 04.4	4.2	
			Sn	07 26 47.1	0.9	
			Sg	07 27 03.7	-2.4	
			SMN	$M_L = 5.2$		0.4 2.90
			SME			0.4 2.90
			LN	$M_s = 5.1$		12.0 31.8
			LZ	$M_s = 4.9$		11.0 14.5
HHC	4.9	54	Pn	07 25 50.0	0.9	
			Pg	07 26 08.0	6.8	
			Sn	07 26 47.2	-0.5	
			Sg	07 27 09.8	1.9	
			LN	$M_s = 4.8$		8.0 8.17
			LE			9.0 8.13
GTA	5.3	286	Pn	07 25 55.6	0.9	
			Pg	07 26 11.0	2.7	
			Sn	07 26 52.0	-5.7	
			Sg	07 27 18.5	-2.1	
			LN	$M_s = 5.1$		10.0 24.9
CD2	7.5	197	Pn	07 26 26.0	1.3	
			eSn	07 27 48.0	-4.0	
			LE	$M_s = 5.4$		9.0 23.2
BJI	7.9	73	ePn	07 26 33.0	2.8	
			ePg	07 27 00.0	5.8	
			eSg	07 28 37.0	-5.0	
			LN	$M_s = 5.0$		9.0 5.62
			LE			8.0 5.81
TIA	8.8	99	eP	07 26 41.7	-3.9	
			SMN	$M_L = 5.9$		1.6 1.10
			SME			2.0 3.30
			SMZ	$M_L = 5.7$		1.6 0.90
			LN	$M_s = 5.0$		11.0 8.60
WHN	10.0	136	eP	07 27 05.2	2.8	
			S	07 28 56.8	1.1	
			LN	$M_s = 5.2$		10.0 11.2
			LZ	$M_s = 4.6$		14.0 3.80
GYA	11.6	179	P	07 27 21.0	-3.3	
			S	07 29 28.0	-6.5	
			LE	$M_s = 5.1$		10.0 7.30
NJ2	11.9	117	eP	07 27 25.2	-2.6	
			S	07 29 42.1	1.0	
			LN	$M_s = 5.1$		10.0 4.48
			LE			10.0 4.02
			LZ	$M_s = 4.6$		9.0 2.09
DL2	12.0	81	+P	07 27 32.0	2.5	
			LN	$M_s = 4.8$		11.0 2.42
			LE			12.0 2.71
KMI	13.3	194	eP	07 27 44.0	-3.0	
			S	07 30 12.0	-3.3	
			LE	$M_s = 5.2$		8.0 5.50
SNY	13.7	69	+P	07 27 53.0	0.5	
			LN	$M_s = 4.9$		9.0 2.67
SSE	14.1	115	P	07 27 56.0	-0.9	
			PMZ	$m_b = 4.9$		1.0 0.025
			ePP	07 28 05.5	-2.2	
			eS	07 30 40.0	5.9	
			LN	$M_s = 5.2$		16.0 9.12
WMQ	15.2	298	eP	07 28 11.8	-0.2	
			LN	$M_s = 5.2$		8.0 4.27
			LZ	$M_s = 4.8$		14.0 3.67
CN2	15.5	62	eP	07 28 15.0	-0.8	







			SMN	$M_L=2.7$	0.8	0.010
			SME		0.6	0.010
TIY	5.1	93	ePg	08 33 48.3	-2.5	
			Sn	08 34 43.7	4.3	
			SMN	$M_L=3.2$	0.7	0.030
			SME		0.5	0.030

			Sg	17 34 48.0	-2.6	
			SMN	$M_L=3.8$	0.8	0.30
			SME		0.6	0.36
KSH	6.7	252	Pn	17 34 46.0	-1.5	
GTA	12.2	97	P	17 36 06.8	0.8	

JAN 10d 10h 33m  $28.2 \pm 0.00s$ , SD1.29 / 5  
 $38.12 N \pm 0.05km$ ,  $106.42 E \pm 0.04km$ ,  $h15 \pm 0.01km$   
 Northern China (323)  
 $M_L 3.3 / 5$ ,

TIY	4.8	93	ePg	10 34 52.3	-0.3	
			SMN	$M_L=3.1$	0.6	0.020
			SME		0.5	0.030
GTA	5.3	286	ePg	10 35 02.0	-0.4	
			Sn	10 35 48.6	-2.2	
			Sg	10 36 10.0	-5.0	
			SMN	$M_L=3.5$	0.9	0.060
			SME		0.7	0.040

JAN 10d 13h 33m  $23.1 \pm 0.02s$ , SD0.56 / 19  
 $53.08 N \pm 0.72km$ ,  $162.95 W \pm 0.40km$ ,  $h37 \pm 0.20km$   
 South of Alaska (17)

CN2	46.5	289	eP	13 41 48.8	-0.7	
SNY	48.8	288	eP	13 42 07.4	-0.1	
GTA	63.6	301	-P	13 43 52.0	-1.1	
WMQ	66.1	312	eP	13 44 09.4	0.1	
GYA	69.5	287	P	13 44 31.0	0.1	

JAN 10d 16h 34m  $42.4 \pm 0.04s$ , SD0.78 / 16  
 $0.50 S \pm 0.68km$ ,  $98.00 E \pm 0.80km$ ,  $h29 \pm 0.42km$   
 South-west of Sumatera (273)

XAN	35.9	16	+P	16 41 40.6	-1.5	
GTA	39.7	2	P	16 42 14.8	0.0	
BTO	42.3	14	eP	16 42 37.6	1.5	
BJI	43.6	20	eP	16 42 47.0	0.5	
CN2	50.5	26	-P	16 43 39.5	-0.7	

JAN 10d 17h 02m  $36.6 \pm 0.11s$ , SD2.49 / 10  
 $38.10 N \pm 1.04km$ ,  $106.20 E \pm 0.91km$ ,  $h12 \pm 0.26km$   
 Northern China (323)  
 $M_L 3.4 / 8$ ,

LZH	2.7	224	ePg	17 03 26.0	0.6	
			eSg	17 04 00.0	-2.8	
BTO	3.9	49	Pn	17 03 39.4	2.8	
			Pg	17 03 46.0	0.9	
			Sg	17 04 34.9	-3.2	
TIY	4.9	93	-Pg	17 04 03.4	-0.8	
			SMN	$M_L=3.3$	0.6	0.050
			SME		0.6	0.030
HHC	5.0	55	ePn	17 03 51.5	-0.3	
			Pg	17 04 06.2	1.6	
			Sn	17 04 49.8	-1.5	
			Sg	17 05 09.0	-3.7	
			SMN	$M_L=3.4$	0.4	0.050
			SME		0.4	0.040
GTA	5.2	287	ePn	17 03 54.6	0.4	
			Pg	17 04 10.4	2.7	
			Sn	17 04 53.0	-2.7	
			Sg	17 05 16.6	-1.6	
			SMN	$M_L=3.1$	0.8	0.027
			SME		0.7	0.020

JAN 10d 17h 33m  $08.8 \pm 0.08s$ , SD2.28 / 12  
 $41.92 N \pm 0.99km$ ,  $84.11 E \pm 0.75km$ ,  $h8 \pm 0.16km$   
 Southern Xinjiang Province (321)  
 $M_L 4.0 / 9$ ,

WMQ	3.2	53	ePn	17 34 02.8	2.4	
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JAN 10d 23h 59m  $16.8 \pm 0.06s$ , SD1.50 / 13  
 $59.46 S \pm 1.71km$ ,  $26.40 W \pm 1.74km$ ,  $h47 \pm 0.37km$   
 South Sandwich Islands region (153)

TIY	146.0	111	PKP	24 18 51.0	-0.5	
TIA	146.9	118	PKP	24 18 55.5	2.5	
HHC	148.0	107	ePKP	24 18 56.2	1.3	
BJI	149.6	113	ePKP	24 18 58.0	0.7	

JAN 11d 03h 27m  $54.8 \pm 0.10s$ , SD1.03 / 71  
 $1.00 S \pm 1.03km$ ,  $127.30 E \pm 1.41km$ ,  $h39 \pm 0.61km$   
 Molucca Sea (269)  
 $m_b 5.7 / 5$ ,

SSE	32.4	350	P	03 34 24.7	0.8	
			PMZ	$m_b=5.0$	1.0	0.025
			esS	03 39 48.0	-4.0	
			LZ	$M_g=4.2$	20.0	0.46
WHN	33.7	340	-P	03 34 37.3	2.5	
			PMZ	$m_b=6.0$	1.5	0.34
GYA	33.8	325	eP	03 34 36.4	0.7	
			PcP	03 37 14.6	0.9	
NJ2	33.8	347	+P	03 34 36.8	0.9	
KMI	35.2	319	-P	03 34 49.5	1.5	
TIA	38.2	347	eP	03 35 12.5	-0.6	
CD2	38.8	327	P	03 35 18.6	0.3	
XAN	38.9	335	-iP	03 35 18.7	-0.1	
TIY	40.9	342	-iP	03 35 35.6	0.1	
			PMZ	$m_b=5.4$	1.2	0.080
			sP	03 35 52.0	1.9	
			S	03 41 45.0	1.8	
			LZ	$M_g=4.5$	35.0	1.24
BJI	42.1	347	eP	03 35 44.0	-1.1	
SNY	42.8	356	+iP	03 35 50.3	-0.3	
LZH	42.9	332	-iP	03 35 53.0	1.2	
			PMZ	$m_b=5.9$	2.0	0.34
HHC	44.0	343	eP	03 36 01.0	-0.2	
BTO	44.3	341	eP	03 36 03.0	-0.2	
MDJ	45.5	2	eP	03 36 12.0	-0.4	
GTA	47.5	331	-iP	03 36 28.8	0.5	
			PcP	03 37 57.5	-0.2	
WMQ	56.9	327	-P	03 37 38.7	-0.4	
KSH	61.8	317	eP	03 38 14.0	0.9	

JAN 11d 03h 39m  $50.3 \pm 0.04s$ , SD2.46 / 5  
 $38.06 N \pm 0.34km$ ,  $106.19 E \pm 0.36km$ ,  $h10 \pm 0.13km$   
 Northern China (323)  
 $M_L 3.0 / 5$ ,

GTA	5.2	287	Pg	03 41 22.5	0.7	
			Sn	03 42 06.0	-3.9	
			Sg	03 42 28.7	-3.5	
			SMN	$M_L=2.8$	0.8	0.010
			SME		0.7	0.010

JAN 11d 04h 32m  $18.5 \pm 0.15s$ , SD4.21 / 7  
 $38.00 N \pm 1.32km$ ,  $106.42 E \pm 1.27km$ ,  $h12 \pm 0.13km$   
 Northern China (323)  
 $M_L 3.3 / 6$ ,

XAN	4.4	152	Pg	04 33 42.8	5.7	
			Sg	04 34 33.0	-4.7	
TIY	4.8	92	ePg	04 33 43.6	0.7	
			Sg	04 34 41.0	-6.9	
			SMN	$M_L=3.2$	0.5	0.030
			SME		0.5	0.040

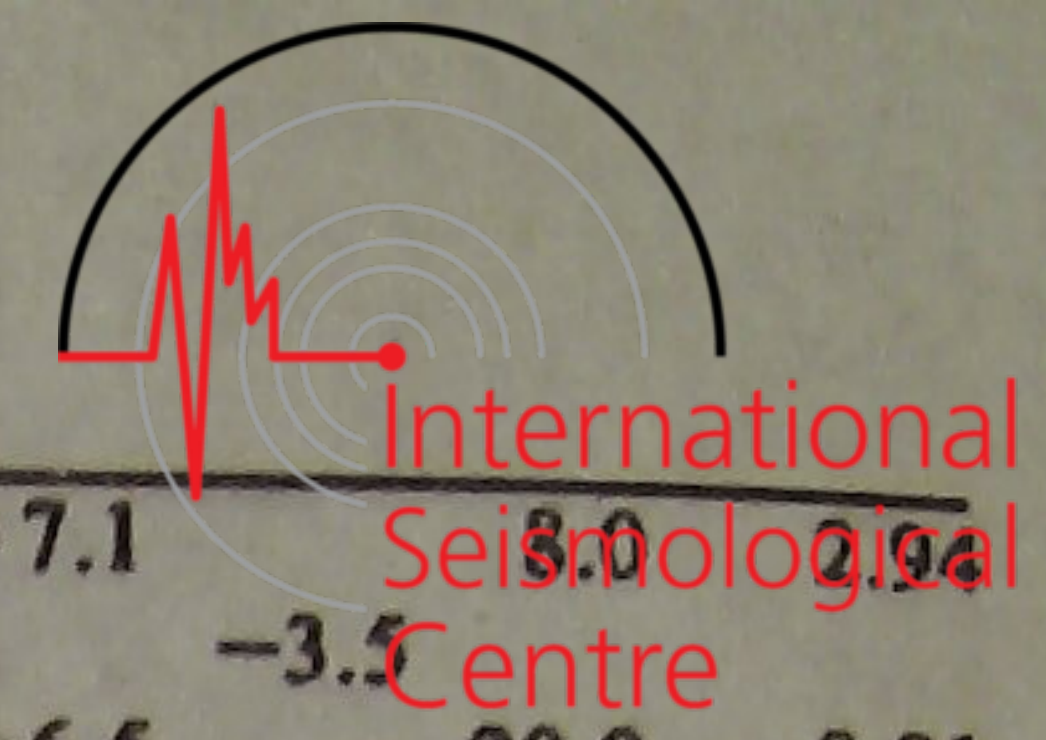












DL2	88.2	317	LE		20.0	11.4	GTA	102.7	308	PMZ	$m_B=7.1$							
			LZ	$M_S=6.6$	24.0	27.2				PP	07 47 04.0	-3.5						
			P		07 42 20.0	0.4				LE	$M_S=6.5$		20.0	8.81				
			PMZ	$m_B=6.7$		7.0				4.43	P	07 43 25.5	-0.4					
			SKS		07 52 43.5	-0.8					PMZ	$m_B=6.5$		10.0	0.77			
SNY	89.0	320	S		07 53 03.0	2.4	KSH	120.0	301	PP		07 47 39.0	-1.9					
			+iP		07 42 22.0	-1.3				SKS	07 54 03.0	0.8						
			PMZ			18.0				5.57	LE	$M_S=6.6$		23.0	12.2			
			PP		07 45 51.0	-3.2					LZ	$M_S=6.4$		23.0	12.3			
			S		07 53 02.0	-5.6					ePKP	07 48 19.0	0.7					
CN2	89.3	322	LN	$M_S=6.4$	20.0	6.01	LZH	2.7	226	LE	$M_S=6.7$		21.0	11.8				
			LE		20.0	7.79												
			LZ	$M_S=6.3$	20.0	12.1				JAN 12d 09h 17m $11.5 \pm 0.09s$ , SD2.26 / 12								
			+iP		07 42 24.0	-0.6				38.03 N $\pm 0.78km$ , 106.28 E $\pm 0.81km$ , $h_6 \pm 0.28km$								
			PMZ	$m_B=6.8$		6.0				3.90	Northern China (323)							
TIA	89.4	313	PP		07 45 59.0	2.5	BTO	3.9	47	ePg		09 17 59.0	-1.3					
			PPMZ			12.0				2.20	Sn		09 18 33.5	1.6				
			SKS		07 52 48.0	-2.7					Sg		09 18 35.0	-2.6				
			S		07 53 12.0	1.8					SMN	$M_L=3.2$		1.0	0.12			
			LE	$M_S=6.5$	22.0	11.6				SME			1.0	0.094				
GYA	91.3	300	LZ	$M_S=6.3$	26.0	13.9	XAN	4.5	151	ePg		09 18 19.9	-0.2					
			+P		07 42 24.9	-0.2					Sg		09 19 09.4	-3.4				
			PMZ	$m_B=6.8$		7.0				4.30	SMN	$M_L=2.9$		0.4	0.030			
			SMN	$m_B=6.2$		12.0				1.80	SME			0.4	0.030			
			SME			12.0				2.30	Pg		09 18 33.8	2.4				
BJI	92.2	315	LN	$M_S=6.8$	26.0	16.1	TIY	4.9	92	SMN	$M_L=2.8$		0.9	0.020				
			LE		26.0	24.9					SME			0.5	0.010			
			LZ	$M_S=6.5$	26.0	21.7				HHC	5.0	54	+iPg		09 18 37.7	-0.1		
			+P		07 42 35.0	0.6								SMN	$M_L=3.3$		0.8	0.040
			PP		07 46 14.0	1.9								SME			0.6	0.030
S		07 53 33.0	4.2		ePg		09 18 39.0	-0.4										
SS		07 59 40.0	2.6		SMN	$M_L=3.2$		0.6	0.030									
TIY	93.3	312	LN	$M_S=6.3$	20.0	3.40	GTA	5.2	287	SME			0.5	0.030				
			LE		20.0	5.30				Pg		09 18 44.0	-0.3					
			eP		07 42 37.5	-0.9					Sn		09 19 27.0	-6.6				
			eSKS		07 53 05.0	-3.2					Sg		09 19 52.5	-3.2				
			eS		07 53 32.0	-6.6					SMN	$M_L=2.9$		0.6	0.016			
XAN	93.7	307	LN	$M_S=6.5$	25.0	11.5	WMQ	63.6	324	SME			0.6	0.012				
			LE		26.0	10.5				JAN 12d 10h 08m $48.0 \pm 0.07s$ , SD1.49 / 18								
			LZ	$M_S=6.4$	26.0	16.2				3.74 S $\pm 0.82km$ , 135.05 E $\pm 1.59km$ , $h_{35} \pm 0.34km$								
			eP		07 42 42.7	-0.7				West Irian region (196)								
			PMZ			17.0				4.55	BJI	46.9	340	eP		10 17 17.0	-0.2	
HHC	95.6	314	SKS		07 53 14.0	-0.1	NJ2	18.6	288	GTA	53.8	326	P		10 18 12.4	2.2		
			LE	$M_S=6.8$	25.0	29.9				WMQ	63.6	324	-P		10 19 18.6	0.4		
			-P		07 42 45.0	-0.1				JAN 12d 12h 51m $25.7 \pm 0.12s$ , SD1.02 / 64								
			S		07 53 56.1	6.8				27.75 N $\pm 1.29km$ , 139.76 E $\pm 1.31km$ , $h_{497} \pm 0.57km$								
			SMN	$m_B=6.5$		10.0				3.00	Bonin Islands region (212)							
KMI	93.7	297	SME			11.0	2.30	SSE	16.5	286	eP		12 54 50.6	-1.1				
			LN	$M_S=6.2$	19.0	5.50	eS					12 57 38.0	-0.5					
			LE		21.0	1.23	sS					12 57 44.0	6.2					
			eP		07 42 45.5	0.2	+P					12 55 13.0	0.7					
			SKS		07 53 16.0	-0.2	iS					12 58 16.0	0.8					
HHC	95.6	314	eS		07 53 52.0	0.4	MDJ	18.7	337	-P		12 55 15.0	1.9					
			LZ	$M_S=6.3$	27.0	13.8				SNY	19.3	321	+P		12 55 18.4	-0.3		
			eP		07 42 55.4	1.5				CN2	19.7	328	eP		12 55 23.0	0.0		
			SKS		07 53 24.5	-2.2							sP		12 57 33.0	2.6		
			LN	$M_S=6.7$	22.0	9.11							S		12 58 35.0	1.4		
LE		22.0	13.2	SME	$m_B=4.4$		7.0	0.60										
eP		07 42 55.2	0.4	TIA	20.9	299	eP		12 55 33.7				-0.6					
CD2	95.8	302	SKS		07 53 31.0	3.2	WHN	22.4	283	+iP		12 55 49.2	1.9					
			LE	$M_S=6.6$	24.0	14.8				PMZ	$m_B=5.4$		1.0	0.11				
			LZ	$M_S=6.5$	24.0	17.6				eP		12 55 51.5	-1.9					
			+P		07 43 00.0	2.2				+P		12 56 29.5	-0.6					
			SKS		07 53 34.0	2.9				eP		12 56 34.0	-0.3					
BTO	96.4	313	S		07 54 19.0	6.1	BJI	23.0	308	XAN	27.1	291	BTO	27.6	305			
			LN	$M_S=6.8$	27.0	19.2												
			LE		27.0	23.4												
			P		07 43 06.5	0.3												





GYA	29.4	275	-P	12 56 50.0	-0.4		
			S	13 01 07.0	-2.1		
KMI	33.2	274	+P	12 57 22.5	0.3		
GTA	35.0	300	-P	12 57 36.5	-0.9		
			S	13 02 29.5	-4.8		
LSA	42.4	285	P	12 58 39.0	0.7		
WMQ	44.4	305	P	12 58 54.0	0.3		
			pP	13 00 27.0	1.0		
			S	13 04 50.0	-1.6		

JAN 12d 14h 59m 26.4 ± 0.09s, SD2.88 / 8  
 35.28 N ± 0.16km, 99.47 E ± 0.57km, h20 ± 1.05km  
 Qinghai Province (325)  
 M<sub>L</sub>3.5 / 6,

LZH	3.6	76	Pg	15 00 33.0	1.8		
			Sg	15 01 19.5	-1.4		
			SMN	M <sub>L</sub> =4.0	1.0	0.38	
			SME		1.0	0.47	
GTA	4.1	4	Pn	15 00 31.8	2.7		
			Sn	15 01 18.2	-0.4		
			SMN	M <sub>L</sub> =3.1	1.0	0.035	
			SME		0.8	0.036	
WMQ	12.4	317	eP	15 02 24.6	-1.1		

JAN 12d 21h 01m 33.0 ± 0.09s, SD0.73 / 24  
 7.39 N ± 0.71km, 124.79 E ± 1.15km, h377 ± 0.58km  
 Mindanao (259)

GYA	25.6	320	P	21 06 32.6	0.5		
KMI	27.5	312	-P	21 06 49.5	0.8		
XAN	30.3	333	-P	21 07 14.0	0.8		
CD2	30.6	323	eP	21 07 15.4	-0.2		
BJI	33.4	348	eP	21 07 39.0	-0.8		
GTA	39.0	329	-P	21 08 26.8	0.3		

JAN 13d 01h 00m 28.9 ± 0.24s, SD1.14 / 73  
 51.38 N ± 0.90km, 174.66 W ± 1.02km, h32 ± 1.81km  
 Andreanof Islands (7)  
 M<sub>S</sub>5.0 / 3, m<sub>b</sub>5.4 / 4,

MDJ	37.1	282	eP	01 07 38.0	-0.8		
CN2	40.1	283	+P	01 08 02.6	-0.9		
SNY	42.3	282	+iP	01 08 22.0	0.1		
DL2	45.3	280	P	01 08 41.5	-4.1		
BJI	47.9	285	eP	01 09 06.5	0.0		
			eS	01 16 00.0	-1.1		
TIA	49.7	280	-P	01 09 20.8	0.1		
HHC	50.2	288	eP	01 09 25.6	1.4		
SSE	50.6	272	P	01 09 27.6	0.4		
			PMZ	m <sub>b</sub> =5.4	1.0	0.051	
BTO	51.2	289	eP	01 09 33.0	0.7		
TIY	51.6	285	+P	01 09 35.5	0.3		
			PMZ	m <sub>b</sub> =5.4	1.0	0.050	
			S	01 16 48.0	-3.9		
XAN	56.2	284	P	01 10 07.5	-1.2		
LZH	57.9	289	eP	01 10 21.0	0.3		
			PMZ	m <sub>b</sub> =5.4	2.0	0.098	
GTA	58.0	294	-iP	01 10 20.8	-0.5		
WMQ	61.5	305	P	01 10 45.0	-0.6		
CD2	61.5	285	eP	01 10 45.4	-0.2		
GYA	62.9	279	P	01 10 54.8	-0.3		
KMI	66.3	281	+P	01 11 17.5	0.4		
LSA	69.9	292	+P	01 11 39.9	0.2		

JAN 13d 01h 01m 47.7 ± 0.23s, SD1.08 / 77  
 51.37 N ± 1.25km, 174.67 W ± 1.20km, h23 ± 1.69km  
 Andreanof Islands (7)  
 M<sub>S</sub>5.4 / 15, m<sub>b</sub>5.6 / 3, m<sub>b</sub>5.9 / 3,

MDJ	37.1	282	+P	01 08 57.5	-1.4		
			sP	01 09 12.0	2.3		

			PP	01 10 24.0	-1.3		
			S	01 14 36.0	-6.7		
			LZ	M <sub>S</sub> =5.6	20.0	9.40	
CN2	40.1	283	+P	01 09 23.0	-0.6		
			PMZ	m <sub>b</sub> =5.8	4.0	0.60	
			pP	01 09 32.0	0.9		
			eS	01 15 22.0	-6.5		
			LN	M <sub>S</sub> =5.6	18.0	2.90	
			LE		18.0	3.90	
			LZ	M <sub>S</sub> =5.5	20.0	6.20	
SNY	42.3	282	+iP	01 09 42.0	0.0		
			LN	M <sub>S</sub> =5.4	21.0	3.05	
			LE		20.0	1.19	
BJI	47.9	285	eP	01 10 27.0	0.4		
			eS	01 17 20.0	-1.9		
			LN	M <sub>S</sub> =5.5	18.0	1.72	
			LE		20.0	2.31	
			LZ	M <sub>S</sub> =5.4	20.0	4.49	
SSE	50.6	272	+P	01 10 48.2	0.9		
			PMZ	m <sub>b</sub> =5.9	1.0	0.19	
			sP	01 11 01.0	2.8		
			ePP	01 12 44.0	0.8		
			LN	M <sub>S</sub> =5.2	18.0	1.50	
			LZ	M <sub>S</sub> =5.0	20.0	1.39	
BTO	51.2	289	P	01 10 50.0	-2.4		
			pP	01 11 01.0	1.2		
			ePP	01 12 45.0	-4.1		
			LN	M <sub>S</sub> =5.5	18.0	1.20	
			LE		18.0	2.00	
			LZ	M <sub>S</sub> =5.3	18.0	2.60	
NJ2	51.4	275	+P	01 10 52.3	-1.2		
TIY	51.6	285	+iP	01 10 55.8	0.5		
			PMZ	m <sub>b</sub> =5.9	1.0	0.17	
			S	01 18 11.0	-1.8		
			LN	M <sub>S</sub> =5.6	16.0	2.07	
			LE		17.0	2.56	
			LZ	M <sub>S</sub> =5.3	21.0	3.30	
WHN	55.2	277	+P	01 11 22.0	0.1		
			pP	01 11 32.0	2.4		
			eS	01 18 57.7	-5.1		
			LE	M <sub>S</sub> =5.2	17.0	1.10	
			LZ	M <sub>S</sub> =5.0	20.0	1.30	
QZH	56.5	269	eP	01 11 32.0	0.8		
			LN	M <sub>S</sub> =5.3	12.0	0.84	
GTA	58.0	294	P	01 11 40.0	-1.5		
			PMZ	m <sub>b</sub> =5.6	5.0	0.39	
			LE	M <sub>S</sub> =5.7	20.0	3.72	
			LZ	M <sub>S</sub> =5.2	22.0	2.20	
GZH	61.2	271	eP	01 12 04.7	1.2		
WMQ	61.5	305	P	01 12 04.9	-0.9		
CD2	61.5	285	P	01 12 05.4	-0.4		
GYA	62.9	279	P	01 12 15.8	0.6		
			sP	01 12 28.4	2.3		
KMI	66.3	281	+P	01 12 37.5	0.2		
			eS	01 21 22.0	-2.5		
			LE	M <sub>S</sub> =5.6	20.0	2.30	
QZN	66.4	271	eP	01 12 39.6	2.1		
KSH	70.6	309	P	01 13 06.0	2.1		

JAN 13d 01h 07m 09.4 ± 0.09s, SD0.99 / 65  
 51.33 N ± 2.19km, 174.75 W ± 1.24km, h32 ± 0.99km  
 Andreanof Islands (7)  
 M<sub>S</sub>5.1 / 7, m<sub>b</sub>5.6 / 3,

MDJ	37.1	282	+P	01 14 17.7	-1.2		
CN2	40.0	283	+iP	01 14 43.0	-0.6		
			PMZ		3.0	0.30	
			pP	01 14 51.6	-1.1		
			eS	01 20 44.0	-3.5		



		LN	$M_s = 5.4$	19.0	3.00	BTO	61.9	323	eP	01 24 22.0	-0.1		
		LZ	$M_s = 5.1$	20.0	2.90	LZH	63.4	315	P	01 24 32.5	0.4		
SNY	42.3	282	+iP	01 15 02.0	0.0	GTA	67.8	317	+P	01 24 59.7	-0.7		
DL2	45.2	280	P	01 15 27.0	1.3				LN	$M_s = 5.4$	15.0	1.11	
		S		01 22 00.0	-2.2								
		LZ	$M_s = 4.9$	16.0	1.18	JAN 13d 03h 58m $01.9 \pm 0.06s$ , SD0.97 / 79							
BJI	47.9	285	+P	01 15 46.0	-0.6	51.56 N $\pm 2.41km$ , 174.72 W $\pm 1.11km$ , h32 $\pm 0.45km$							
TIA	49.7	280	+P	01 16 00.6	-0.2	Andreanof Islands (7)							
SSE	50.5	272	+P	01 16 08.4	1.2	$M_s 5.1 / 10$ , $m_b 5.5 / 1$ , $m_b 5.3 / 2$ ,							
		PMZ	$m_b = 5.5$	1.0	0.063	MDJ	37.0	282	eP	04 05 09.8	-1.4		
		sP		01 16 23.2	2.9				S	04 10 52.6	-1.2		
		LZ	$M_s = 4.8$	20.0	0.93				LZ	$M_s = 5.2$	20.0	3.50	
BTO	51.2	289	+P	01 16 13.0	0.5	CN2	40.0	283	+P	04 05 35.5	-0.3		
NJ2	51.3	275	+P	01 16 13.0	-0.4				sP	04 05 48.5	-0.3		
TIY	51.6	285	+iP	01 16 16.0	0.7				eS	04 11 39.0	-0.6		
		PMZ	$m_b = 5.6$	1.2	0.10				LN	$M_s = 4.9$	18.0	0.90	
WHN	55.2	277	eP	01 16 42.5	0.6	SNY	42.3	282	+iP	04 05 54.6	0.3		
XAN	56.2	284	P	01 16 47.6	-1.3				eS	04 12 16.0	3.2		
		LN	$M_s = 5.4$	14.0	0.82				LN	$M_s = 5.0$	20.0	0.96	
		LE		16.0	1.06				LE		20.0	0.77	
LZH	57.8	289	-P	01 17 01.5	0.6	BJI	47.8	285	eP	04 06 38.5	-0.4		
		PMZ	$m_b = 5.6$	1.5	0.13				eS	04 13 30.0	-2.9		
GTA	57.9	294	+iP	01 16 59.8	-1.8				LZ	$M_s = 4.8$	20.0	1.03	
		LN	$M_s = 5.4$	16.0	1.42	TIA	49.7	280	eP	04 06 53.0	-0.1		
		LZ	$M_s = 5.3$	20.0	2.62	SSE	50.5	272	eP	04 07 00.7	0.8		
CD2	61.5	285	P	01 17 25.8	0.0				PMZ	$m_b = 5.1$	0.8	0.021	
WMQ	61.5	305	P	01 17 25.1	-0.8				LZ	$M_s = 4.5$	20.0	0.46	
GYA	62.8	279	P	01 17 34.0	-1.2	BTO	51.1	289	+P	04 07 05.0	0.4		
KMI	66.2	281	+P	01 17 58.0	0.7				esP	04 07 20.0	2.6		
QZN	66.3	271	eP	01 18 01.0	3.6				PP	04 09 04.0	2.7		
		eS		01 26 38.0	-5.7				eS	04 14 20.0	0.4		
LSA	69.8	292	+P	01 18 20.3	0.4				LN	$M_s = 5.2$	17.0	0.80	
KSH	70.6	309	eP	01 18 24.0	-0.1				LE		17.0	1.00	
									LZ	$M_s = 4.9$	17.0	1.10	
JAN 13d 01h 09m $33.3 \pm 0.13s$ , SD1.04 / 48													
51.47 N $\pm 2.52km$ , 174.70 W $\pm 1.30km$ , h25 $\pm 1.48km$													
Andreanof Islands (7)													
$M_s 5.1 / 2$ ,													
MDJ	37.1	282	eP	01 16 43.0	-0.9	NJ2	51.3	275	+P	04 07 06.0	0.1		
CN2	40.0	283	+iP	01 17 08.2	-0.4	TIY	51.5	285	+iP	04 07 07.6	0.1		
SNY	42.3	282	+iP	01 17 27.0	0.0				LE	$M_s = 5.1$	16.0	0.89	
BJI	47.9	285	eP	01 18 11.0	-0.6				LZ	$M_s = 5.0$	20.0	1.62	
BTO	51.2	289	P	01 18 38.0	0.6	WHN	55.2	277	eP	04 07 35.0	0.6		
NJ2	51.4	275	-P	01 18 38.0	-0.6	XAN	56.1	284	P	04 07 40.0	-1.2		
TIY	51.6	285	+iP	01 18 41.2	0.9	LZH	57.8	289	eP	04 07 53.5	0.5		
		S		01 26 02.5	5.2				PMZ	$m_b = 5.4$	2.5	0.12	
WHN	55.2	277	+iP	01 19 09.0	2.0	GTA	57.8	294	P	04 07 52.6	-1.0		
WMQ	61.4	305	P	01 19 50.2	-0.4				LE	$M_s = 5.2$	22.0	1.29	
CD2	61.5	285	eP	01 19 50.2	-0.6				LZ	$M_s = 5.0$	20.0	1.19	
GYA	62.9	279	P	01 20 00.8	0.5	WMQ	61.4	305	P	04 08 16.5	-1.2		
KSH	70.5	309	eP	01 20 48.0	-0.7	CD2	61.4	285	P	04 08 18.0	-0.1		
						GYA	62.8	279	P	04 08 27.2	-0.4		
JAN 13d 01h 14m $04.0 \pm 0.09s$ , SD1.22 / 54													
6.11 S $\pm 1.96km$ , 154.60 E $\pm 1.16km$ , h45 $\pm 1.27km$													
Solomon Islands (193)													
$M_s 5.3 / 2$ ,													
QZH	46.7	313	-P	01 22 32.0	1.3	KMI	66.2	281	-P	04 08 49.5	-0.2		
QZN	50.7	301	eP	01 23 03.1	1.6	LSA	69.8	292	-P	04 09 12.0	-0.1		
NJ2	51.0	320	eP	01 23 03.4	-0.5	KSH	70.4	309	eP	04 09 18.0	2.2		
WHN	53.0	316	P	01 23 21.0	1.8				sP	04 09 32.0	3.1		
MDJ	55.3	338	eP	01 23 35.0	-0.7				eS	04 18 21.0	-4.8		
CN2	56.2	335	-P	01 23 41.5	-1.1				LE	$M_s = 5.6$	6.0	0.59	
GYA	56.6	307	-P	01 23 45.8	0.4	JAN 13d 06h 55m $49.1 \pm 0.07s$ , SD0.89 / 61							
BJI	58.0	326	eP	01 23 53.0	-1.9	51.35 N $\pm 1.92km$ , 174.67 W $\pm 1.07km$ , h35 $\pm 0.79km$							
XAN	58.8	316	P	01 24 00.0	-0.8	Andreanof Islands (7)							
KMI	59.2	304	+iP	01 24 04.5	0.8	$M_s 4.9 / 2$ , $m_b 5.5 / 3$ ,							
CD2	60.9	310	eP	01 24 15.1	-0.4	MDJ	37.1	282	eP	07 02 57.5	-1.1		
						CN2	40.1	283	+P	07 03 23.0	-0.3		
									pP	07 03 32.0	-1.0		
									eS	07 09 27.0	-0.2		
									LE	$M_s = 4.7$	15.0	0.50	
									LZ	$M_s = 4.7$	20.0	1.10	
						SNY	42.3	282	+iP	07 03 42.4	0.6		
						BJI	47.9	285	eP	07 04 25.5	-0.8		



SSE	50.6	272	eP	07 04	47.0	0.0		
			PMZ		$m_b=5.5$		1.0	0.063
			esS	07 12	18.0	3.6		
BTO	51.2	289	eP	07 04	53.0	0.9		
NJ2	51.4	275	+P	07 04	52.6	-0.5		
TIY	51.6	285	+iP	07 04	55.6	0.6		
			PMZ		$m_b=5.5$		1.0	0.070
			LZ		$M_s=4.7$		22.0	0.78
WHN	55.2	277	eP	07 05	22.5	0.9		
XAN	56.2	284	P	07 05	27.6	-1.0		
LZH	57.9	289	eP	07 05	40.5	0.0		
			PMZ		$m_b=5.4$		1.5	0.069
GTA	58.0	294	-iP	07 05	40.2	-1.0		
			LE		$M_s=5.1$		20.0	0.87
CD2	61.5	285	eP	07 06	05.0	-0.4		
WMQ	61.5	305	P	07 06	05.0	-0.5		
GYA	62.9	279	P	07 06	14.8	0.0		
KMI	66.3	281	+P	07 06	37.0	0.1		
LSA	69.9	292	+P	07 06	59.6	0.1		

			eS	15 38	57.5	-2.4		
			LN		$M_g=4.1$		8.0	0.80
QZN	12.4	248	eP	15 37	58.5	1.1		
			eS	15 40	15.4	0.5		
GYA	14.1	283	P	15 38	19.8	0.2		
			S	15 41	01.0	6.6		
XAN	15.1	314	eP	15 38	31.8	-1.1		
TIY	15.8	331	eP	15 38	46.5	4.2		
			LE		$M_g=4.1$		8.0	0.33
BJI	16.6	344	eP	15 38	55.0	2.9		
CD2	17.5	297	eP	15 39	04.6	0.8		
LZH	19.7	311	eP	15 39	31.0	1.6		
			PMZ		$m_b=4.6$		1.5	0.049
CN2	19.8	7	eP	15 39	30.5	-0.2		
GTA	24.2	314	-P	15 40	16.4	2.0		
LSA	28.0	288	P	15 40	51.0	0.2		

JAN 13d 11h 47m  $31.2 \pm 0.08s$ , SD1.84 / 31  
 32.40 S  $\pm 1.82km$ , 179.58 W  $\pm 2.20km$ , h34  $\pm 0.44km$   
 South of Kermadec Islands (179)  
 $M_s 5.4 / 1$ ,

SSE	84.4	312	eP	12 00	02.7	0.4		
			LZ		$M_s=5.2$		20.0	0.93
MDJ	89.5	326	+P	12 00	26.0	-1.1		
			S	12 11	09.0	-3.0		
			LZ		$M_s=5.8$		24.0	4.40
TIA	90.4	314	eP	12 00	30.7	-0.3		
SNY	90.5	321	eP	12 00	26.6	-5.0		
			LE		$M_s=5.4$		25.0	1.22
			LZ		$M_s=5.3$		26.0	1.47
CN2	90.9	324	eP	12 00	34.2	0.5		
GYA	91.4	301	P	12 00	37.0	1.0		

JAN 13d 15h 38m  $15.7 \pm 0.12s$ , SD1.06 / 90  
 23.14 S  $\pm 1.92km$ , 177.00 W  $\pm 1.61km$ , h113  $\pm 0.52km$   
 South of Fiji (171)  
 $m_b 5.4 / 2$ ,

QZH	78.6	303	eP	15 50	07.5	0.1		
NJ2	82.3	310	-P	15 50	26.0	-0.7		
MDJ	83.2	325	-P	15 50	31.5	0.0		
DL2	84.3	317	eP	15 50	38.0	1.1		
WHN	84.7	306	eP	15 50	40.3	1.1		
SNY	84.8	320	-P	15 50	38.8	-0.8		
CN2	84.9	322	-P	15 50	39.7	-0.5		
TIA	85.7	312	-P	15 50	43.6	-0.5		
BJI	88.4	315	eP	15 50	56.0	-1.0		
GYA	88.7	299	P	15 50	58.6	-0.2		
TIY	89.7	312	-P	15 51	03.5	0.2		
			sP	15 51	47.5	3.4		
XAN	90.5	307	P	15 51	06.5	-0.2		
KMI	91.4	297	+P	15 51	11.5	0.4		
HHC	91.8	314	eP	15 51	13.2	0.0		
BTO	92.8	313	eP	15 51	18.2	0.8		
CD2	93.0	302	eP	15 51	19.0	0.6		
LZH	95.1	307	eP	15 51	28.0	-0.1		
GTA	99.3	309	P	15 51	46.5	-1.0		

JAN 13d 12h 26m  $36.6 \pm 0.14s$ , SD3.41 / 7  
 32.47 N  $\pm 0.57km$ , 121.47 E  $\pm 1.28km$ , h7  $\pm 0.23km$   
 Eastern China (664)  
 $M_L 3.2 / 7$ ,

SSE	1.4	190	Pn	12 27	03.2	0.4		
			Pg	12 27	05.3	4.1		
			Sn	12 27	21.3	-2.0		
			Sg	12 27	22.8	2.5		
			SMN		$M_L=3.2$		0.5	0.19
			SME				0.5	0.46
NJ2	2.3	260	+Pg	12 27	20.0	3.6		
			Sg	12 27	52.0	4.8		
			SMN		$M_L=3.3$		0.2	0.13
			SME				0.2	0.26

JAN 13d 16h 23m  $13.2 \pm 0.07s$ , SD1.01 / 104  
 4.59 S  $\pm 1.06km$ , 153.19 E  $\pm 1.44km$ , h30  $\pm 0.16km$   
 New Britain region (192)  
 $M_s 5.6 / 42$ ,  $m_b 6.1 / 30$ ,  $m_b 5.9 / 4$ ,

QZH	44.6	313	+P	16 31	25.0	-0.4		
			PMZ		$m_b=6.0$		6.0	1.44
			sP	16 31	40.0	2.1		
			S	16 38	02.0	3.5		
			LN		$M_s=5.1$		14.0	1.10
SSE	46.8	321	P	16 31	43.7	1.0		
			PMZ		$m_b=6.4$		4.0	2.19
			pP	16 31	52.0	0.5		
			sP	16 31	59.0	3.8		
			PP	16 33	29.0	-3.1		
			ScP	16 37	09.5	4.2		
			eS	16 38	33.0	2.4		
			ScS	16 41	37.0	5.3		
			LN		$M_s=5.6$		17.0	3.18
			LE				16.0	1.62
GZH	47.6	307	+P	16 31	50.7	1.5		
			PMZ		$m_b=6.1$		5.0	1.37
			eS	16 38	40.0	-2.3		
			LE		$M_s=5.9$		20.0	7.98
QZN	48.7	300	+P	16 31	58.6	1.2		
			eS	16 38	57.5	0.3		
			LN		$M_s=5.5$		18.0	2.30
			LE				16.0	1.80

JAN 13d 15h 35m  $00.5 \pm 0.08s$ , SD1.65 / 66  
 24.13 N  $\pm 1.31km$ , 122.01 E  $\pm 0.90km$ , h41  $\pm 0.96km$   
 Taiwan (244)  
 $M_s 4.1 / 4$ ,  $M_L 4.5 / 17$ ,  $m_b 4.6 / 1$ ,

QZH	3.2	285	+P	15 35	49.7	-0.3		
			iS	15 36	25.2	-1.6		
			SMN		$M_L=4.2$		0.8	0.80
			SME				0.8	0.70
SSE	7.0	354	P	15 36	42.6	-0.3		
			SME		$M_L=4.5$		1.0	0.22
GZH	8.0	264	eP	15 36	55.0	-2.4		
			SMN		$M_L=4.8$		1.0	0.31
			SME				1.0	0.17
NJ2	8.4	341	+iP	15 37	00.8	-1.5		
			S	15 38	33.6	-2.1		
			LZ		$M_s=3.8$		16.0	0.88
WHN	9.3	315	eP	15 37	14.3	-1.3		









GYA	71.9	305	P	17 43 13.0	0.1		
BJI	72.5	321	eP	17 43 15.0	-1.2		
			pP	17 43 47.0	-5.4		
TIY	73.5	317	eP	17 43 22.4	0.3		
XAN	73.9	313	P	17 43 24.0	-0.6		
HHC	75.8	320	eP	17 43 36.0	0.5		
CD2	76.2	308	P	17 43 38.2	0.5		
BTO	76.6	319	eP	17 43 40.4	0.2		
GTA	82.9	314	-P	17 44 14.0	0.4		
			pP	17 44 46.5	-3.9		
WMQ	92.9	315	+P	17 45 02.1	0.4		

JAN 13d 17h 57m 45.5 ± 0.16s, SD1.28 / 19  
 6.50 S ± 1.23km, 154.47 E ± 1.07km, h33 ± 0.60km  
 New Britain region (192)

WHN	53.2	316	eP	18 07 04.5	1.1		
XAN	59.0	316	eP	18 07 43.2	-1.7		
GTA	68.0	317	P	18 08 44.0	-0.4		

JAN 13d 19h 36m 16.7 ± 0.08s, SD1.36 / 42  
 2.16 N ± 0.83km, 127.00 E ± 1.68km, h70 ± 0.73km  
 Molucca Passage (266)  
 m<sub>b</sub>5.1 / 1,

QZN	23.7	316	eP	19 41 25.0	1.5		
SSE	29.3	350	eP	19 42 14.0	-1.0		
WHN	30.7	338	eP	19 42 28.0	0.9		
TIY	37.8	341	eP	19 43 28.8	0.2		
BJI	39.0	347	eP	19 43 38.0	0.0		
SNY	39.6	356	eP	19 43 44.0	0.7		
GTA	44.6	330	P	19 44 23.5	-0.6		

JAN 13d 20h 02m 16.9 ± 0.08s, SD1.04 / 50  
 2.91 N ± 0.87km, 128.57 E ± 1.43km, h230 ± 0.83km  
 Djailolo Gilolo (Halmahera) (267)  
 m<sub>b</sub>5.2 / 1,

QZN	24.3	313	eP	20 07 16.2	0.8		
WHN	30.6	335	eP	20 08 13.5	1.7		
GYA	31.5	320	P	20 08 20.4	0.9		
XAN	36.0	332	P	20 08 57.2	-0.8		
CD2	36.4	323	eP	20 09 01.6	0.2		
TIY	37.7	339	eP	20 09 12.2	0.1		
BJI	38.6	345	-P	20 09 19.0	-1.0		
			ScP	20 14 52.0	0.2		
SNY	39.0	354	eP	20 09 23.2	0.1		
LZH	40.1	328	eP	20 09 33.5	0.8		
			PMZ	m <sub>b</sub> = 5.2	2.0	0.20	
CN2	40.8	357	eP	20 09 37.0	-0.9		
MDJ	41.5	1	-P	20 09 44.0	0.1		
GTA	44.7	328	-iP	20 10 09.8	0.0		
			PcP	20 11 48.5	1.0		
WMQ	54.4	324	+P	20 11 23.0	0.0		

JAN 13d 21h 23m 11.3 ± 0.06s, SD1.11 / 85  
 36.49 N ± 1.21km, 70.78 E ± 1.16km, h193 ± 0.31km  
 Hindu Kush region (718)  
 m<sub>b</sub>5.2 / 1, m<sub>b</sub>5.1 / 6,

KSH	5.1	52	-iP	21 24 28.0	0.6		
			sP	21 25 08.0	0.3		
			S	21 25 21.0	-4.8		
			LE			4.0	3.20
WMQ	14.9	55	P	21 26 32.2	-1.2		
			S	21 29 13.5	1.0		
LSA	18.3	106	+P	21 27 14.1	-0.2		
			sP	21 28 11.5	3.6		
			S	21 30 32.0	3.8		
			SMN	m <sub>b</sub> = 5.2	6.0	0.57	
GTA	23.0	74	+iP	21 28 02.4	1.6		
			sP	21 29 03.5	3.0		

LZH	26.6	81	eP	21 28 34.5	0.5		
			PMZ	m <sub>b</sub> = 5.1	2.0	0.098	
CD2	27.9	92	eP	21 28 46.2	0.4		
BTO	30.8	70	-iP	21 29 12.2	0.8		
XAN	31.1	83	+P	21 29 12.7	-1.4		
HHC	31.9	70	+P	21 29 22.0	0.6		
GYA	32.0	98	P	21 29 22.0	-0.3		
			pP	21 30 03.0	1.3		
			sP	21 30 26.0	2.1		
			S	21 34 19.0	0.9		
			ScP	21 35 31.0	0.8		
			PcS	21 35 50.2	0.3		
			ScS	21 39 27.0	-1.1		
TIY	33.1	75	eP	21 29 30.4	-0.5		
BJI	35.5	70	eP	21 29 52.0	0.2		
TIA	37.0	76	-P	21 30 05.6	1.0		
QZN	38.4	106	eP	21 30 16.0	0.2		
GZH	39.0	98	-iP	21 30 21.0	0.3		
NJ2	39.7	82	-iP	21 30 26.8	0.6		
SNY	40.8	66	+P	21 30 34.6	-0.7		
CN2	41.8	62	-P	21 30 43.6	0.0		
SSE	41.9	82	+iP	21 30 45.2	1.0		
			PMZ	m <sub>b</sub> = 5.0	1.1	0.045	
			pP	21 31 31.0	5.6		
			sP	21 31 49.0	1.9		

JAN 13d 22h 16m 48.2 ± 0.08s, SD1.80 / 34  
 32.35 S ± 2.39km, 179.48 W ± 2.88km, h59 ± 0.59km  
 South of Kermadec Islands (179)

SSE	84.4	312	eP	22 29 22.0	5.4		
			LZ	M <sub>s</sub> = 4.9	20.0	0.46	
NJ2	86.6	312	eP	22 29 25.4	-1.6		
WHN	88.5	308	eP	22 29 37.0	0.6		
MDJ	89.5	326	eP	22 29 40.0	-1.2		
TIA	90.4	314	eP	22 29 45.0	-0.2		
SNY	90.5	321	+P	22 29 45.0	-0.7		
CN2	90.9	324	+P	22 29 47.0	-0.8		
GYA	91.4	301	eP	22 29 55.2	5.0		
TIY	94.2	312	eP	22 30 04.7	1.7		
			LZ	M <sub>s</sub> = 5.0	24.0	0.67	

JAN 14d 01h 16m 48.8 ± 0.08s, SD1.56 / 53  
 24.65 S ± 3.21km, 176.03 W ± 2.86km, h65 ± 1.39km  
 South of Fiji (171)  
 M<sub>s</sub>5.4 / 6, m<sub>b</sub>5.7 / 4,

QZH	80.2	303	eP	01 28 54.0	-0.5		
			LN	M <sub>s</sub> = 5.5	20.0	1.24	
SSE	81.7	310	eP	01 29 04.0	1.5		
			PMZ	m <sub>b</sub> = 5.5	8.0	0.53	
			ePP	01 32 08.0	-3.5		
			SKS	01 39 08.0	-3.1		
			LZ	M <sub>s</sub> = 5.1	20.0	0.93	
NJ2	83.9	309	eP	01 29 11.0	-2.7		
MDJ	84.9	324	eP	01 29 18.0	-0.9		
			pP	01 29 40.0	3.8		
			S	01 39 37.0	-2.7		
WHN	86.3	306	eP	01 29 27.0	1.3		
			eS	01 39 51.6	-3.5		
			LZ	M <sub>s</sub> = 5.4	20.0	1.50	
SNY	86.5	319	+P	01 29 24.0	-2.7		
			S	01 39 58.0	2.8		
			LN	M <sub>s</sub> = 5.4	17.0	0.58	
			LE		18.0	0.70	
			LZ	M <sub>s</sub> = 5.3	18.0	1.01	
TIA	87.4	312	-P	01 29 31.0	0.1		
BJI	90.1	315	eP	01 29 43.0	-0.7		



<p>JAN 14d 02h 58m 00.6 ± 0.11s, SD4.28 / 6 37.93 N ± 0.89km, 106.26 E ± 1.09km, h10 ± 0.03km Northern China (323) M<sub>L</sub>3.1 / 5,</p>					<p>JAN 14d 19h 27m 27.5 ± 0.06s, SD0.98 / 63 0.87 N ± 1.27km, 99.08 E ± 1.08km, h119 ± 0.71km Northern Sumatera (706) m<sub>b</sub>5.1 / 1, m<sub>b</sub>5.3 / 2,</p>											
GYA	90.3	299	P	01 29 47.0	2.4				SSE	80.5	311	eP	19 15 04.2	-2.5		
TIY	91.4	311	eP	01 29 49.7	-0.1							epP	19 16 28.0	-2.6		
			pP	01 30 10.5	3.3				GZH	81.7	300	eP	19 15 15.0	2.2		
			S	01 40 40.0	0.3				QZN	82.4	295	P	19 15 18.2	1.8		
			LN		M <sub>S</sub> =5.5	18.0	0.90		NJ2	82.7	311	eP	19 15 17.6	-0.2		
			LZ		M <sub>S</sub> =5.4	18.0	1.33		MDJ	84.4	326	-P	19 15 26.0	-0.4		
XAN	92.1	307	P	01 29 53.1	0.2				WHN	85.0	307	eP	19 15 30.5	1.2		
			SMN		m <sub>B</sub> =5.8	11.0	0.74		SNY	85.8	321	+iP	19 15 32.8	-0.2		
			SME			11.0	0.69		CN2	86.0	323	-iP	19 15 33.6	-0.6		
KMI	92.8	296	+P	01 29 57.5	0.9				TIA	86.3	313	-P	19 15 35.4	-0.2		
			PMZ		m <sub>B</sub> =6.0	6.0	0.50		GYA	88.6	300	P	19 15 47.0	0.2		
BTO	94.4	313	eP	01 30 06.0	2.2				BJI	89.1	316	eP	19 15 48.0	-0.9		
			eSKS	01 40 32.0	1.6				TIY	90.3	312	-P	19 15 54.9	0.7		
			S	01 41 09.0	2.8							PMZ		m <sub>B</sub> =5.6	0.8	0.090
			LN		M <sub>S</sub> =5.7	17.0	1.00		XAN	90.8	308	P	19 15 56.5	0.0		
			LE			19.0	1.30		KMI	91.1	297	+P	19 15 59.0	0.6		
			LZ		M <sub>S</sub> =5.5	19.0	1.50		HHC	92.5	315	P	19 16 05.4	0.7		
LZH	96.7	307	eP	01 30 17.5	3.3				CD2	93.0	303	P	19 16 07.6	0.5		
									BTO	93.4	314	eP	19 16 09.4	0.7		
<p>JAN 14d 07h 19m 07.9 ± 0.14s, SD4.80 / 6 38.10 N ± 1.26km, 106.23 E ± 1.17km, h12 ± 0.25km Northern China (323) M<sub>L</sub>3.0 / 6,</p>					<p>JAN 14d 22h 51m 11.9 ± 0.08s, SD2.65 / 40 30.65 N ± 1.04km, 103.37 E ± 0.92km, h13 ± 0.09km Sichuan Province (307) M<sub>S</sub>4.0 / 6, M<sub>L</sub>4.3 / 16,</p>											
XAN	4.4	150	Pg	02 59 20.0	0.8				KMI	24.4	8	+P	19 32 37.0	0.7		
			Sg	03 00 14.0	-5.8				GYA	26.5	15	P	19 32 55.2	-0.6		
GTA	5.3	288	Pg	02 59 34.5	0.9				LSA	29.6	346	P	19 33 23.8	-1.0		
			Sg	03 00 38.7	-6.5				WHN	32.9	25	eP	19 33 53.2	0.6		
			SMN		M <sub>L</sub> =3.4	0.8	0.040		LZH	35.3	7	eP	19 34 13.0	-0.6		
			SME			0.6	0.040		SSE	36.6	33	eP	19 34 23.5	-1.1		
<p>JAN 14d 07h 57m 01.2 ± 0.11s, SD1.83 / 22 13.58 S ± 2.03km, 166.41 E ± 1.45km, h54 ± 1.36km Vanuatu (New Hebrides) (186)</p>					<p>JAN 14d 22h 51m 11.9 ± 0.08s, SD2.65 / 40 30.65 N ± 1.04km, 103.37 E ± 0.92km, h13 ± 0.09km Sichuan Province (307) M<sub>S</sub>4.0 / 6, M<sub>L</sub>4.3 / 16,</p>											
TIY	4.9	93	ePg	07 20 38.6	3.6				GTA	38.4	1	-P	19 34 39.0	-0.1		
			SMN		M <sub>L</sub> =3.3	0.6	0.040					ScP	19 40 30.2	4.6		
			SME			0.6	0.030					SME		m <sub>B</sub> =5.1	6.0	0.24
GTA	5.2	287	Pg	07 20 40.0	0.4				TIY	38.7	17	eP	19 34 42.3	0.6		
			Sn	07 21 23.6	-3.9				BTO	40.8	13	eP	19 35 01.0	2.0		
			Sg	07 21 45.5	-4.7				HHC	41.4	14	eP	19 35 04.5	0.5		
			SMN		M <sub>L</sub> =2.8	0.8	0.010		BJI	42.0	20	eP	19 35 09.5	0.7		
			SME			0.6	0.010		KSH	43.9	334	P	19 35 24.0	-0.5		
<p>JAN 14d 10h 32m 54.0 ± 0.14s, SD1.97 / 40 20.70 N ± 2.20km, 146.44 E ± 2.36km, h34 ± 0.33km Marianas (216)</p>					<p>JAN 14d 22h 51m 11.9 ± 0.08s, SD2.65 / 40 30.65 N ± 1.04km, 103.37 E ± 0.92km, h13 ± 0.09km Sichuan Province (307) M<sub>S</sub>4.0 / 6, M<sub>L</sub>4.3 / 16,</p>											
MDJ	66.9	332	eP	08 07 50.0	-0.4				WMQ	43.9	348	P	19 35 25.7	0.9		
CN2	68.2	329	eP	08 07 58.0	-0.9							S	19 41 46.0	0.7		
BJI	70.9	321	eP	08 08 14.0	-0.9							SME			2.0	0.070
TIY	71.9	318	eP	08 08 21.4	0.4				SNY	46.4	25	eP	19 35 42.9	-1.1		
GTA	81.3	314	P	08 09 15.0	0.9				CN2	48.8	25	eP	19 36 01.0	-1.7		
<p>JAN 14d 19h 03m 32.9 ± 0.13s, SD0.92 / 57 25.71 S ± 2.20km, 178.74 W ± 1.58km, h371 ± 0.58km South of Fiji (171)</p>					<p>JAN 14d 22h 51m 11.9 ± 0.08s, SD2.65 / 40 30.65 N ± 1.04km, 103.37 E ± 0.92km, h13 ± 0.09km Sichuan Province (307) M<sub>S</sub>4.0 / 6, M<sub>L</sub>4.3 / 16,</p>											
SSE	24.9	300	eP	10 38 14.0	-1.7				GYA	5.1	144	Pn	22 52 30.0	1.7		
			sP	10 38 25.0	-3.9							Sn	22 53 32.0	3.2		
			LZ		M <sub>S</sub> =4.0	20.0	0.46					SMN		M <sub>L</sub> =4.2	1.0	0.30
NJ2	27.1	300	eP	10 38 34.0	-2.0							SME			1.0	0.30
SNY	28.6	323	eP	10 38 44.3	-5.0				LZH	5.4	4	ePg	22 52 42.5	-5.7		
BTO	36.7	311	eP	10 40 03.0	2.5							LN		M <sub>S</sub> =4.0	7.0	1.23
GTA	43.9	306	P	10 41 01.5	1.5				KMI	5.5	186	ePn	22 52 37.0	2.4		
WMQ	53.5	310	eP	10 42 10.5	-3.9							Sn	22 53 39.5	-0.5		
<p>JAN 14d 19h 03m 32.9 ± 0.13s, SD0.92 / 57 25.71 S ± 2.20km, 178.74 W ± 1.58km, h371 ± 0.58km South of Fiji (171)</p>					<p>JAN 14d 22h 51m 11.9 ± 0.08s, SD2.65 / 40 30.65 N ± 1.04km, 103.37 E ± 0.92km, h13 ± 0.09km Sichuan Province (307) M<sub>S</sub>4.0 / 6, M<sub>L</sub>4.3 / 16,</p>											
			SMN		M <sub>L</sub> =4.4	1.5	0.24		XAN	5.8	53	ePn	22 52 37.8	-0.2		
			SME			2.5	0.40					Sn	22 53 43.5	-2.9		
			Sg									Sg	22 54 13.0	-0.1		
			SMN		M <sub>L</sub> =4.4	1.0	0.34					SMN		M <sub>L</sub> =4.4	1.0	0.34
			SME			1.0	0.22					SME			1.0	0.22
			eP						GTA	9.2	343	eP	22 53 29.0	1.0		
			LE		M <sub>S</sub> =3.8	8.5	0.44					LE				



WHN	9.5	88	eP	22 53 33.5	2.3		
			sP	22 53 40.0	0.8		
			S	22 55 14.5	-3.8		
			LN	$M_s=4.1$	9.0	0.80	
TIY	10.3	44	eP	22 53 43.2	0.5		
			S	22 55 35.5	-3.2		
LSA	10.6	268	P	22 53 46.3	-1.4		
BTO	11.3	27	eP	22 53 53.0	-3.6		
			LN	$M_s=3.9$	8.0	0.30	
			LE		8.0	0.20	
GZH	11.7	128	eP	22 53 57.0	-4.2		
CN2	21.9	47	eP	22 56 06.0	-0.6		

WHN	84.2	306	eS	09 02 29.0	-4.6		
			+iP	08 52 33.5	0.9		
			PMZ	$m_B=6.3$	6.0	3.60	
			sP	08 53 48.0	1.0		
			SKS	09 02 31.0	0.4		
			S	09 02 36.5	-0.2		
			sS	09 04 11.5	2.6		
TIA	84.9	312	+P	08 52 35.9	-0.3		
			PMZ	$m_B=6.1$	7.0	2.73	
			esP	08 53 49.0	-1.7		
			S	09 02 39.0	-4.6		
			SME	$m_B=6.0$	10.0	1.86	
BJI	87.5	315	+P	08 52 48.0	-0.5		
			PMZ	$m_B=6.3$	6.0	3.44	
			epP	08 53 45.0	4.4		
			esP	08 54 05.0	1.7		
			sS	09 04 35.0	-6.2		

JAN 15d 08h 40m  $23.6 \pm 0.09s$ ,  $SD0.84/96$   
 $20.74 S \pm 1.28km$ ,  $175.88 W \pm 1.49km$ ,  $h217 \pm 0.54km$   
 Fiji region (181)

QZH	78.2	302	+iP	08 52 01.0	-0.4		
			PMZ	$m_B=6.3$	6.0	3.89	
			sP	08 53 18.0	2.6		
			PP	08 54 58.0	-4.1		
			PPMZ		7.0	2.09	
			S	09 01 30.0	-5.6		
			sS	09 03 13.0	6.6		
SSE	79.4	309	+P	08 52 06.0	-1.6		
			PMZ	$m_B=6.2$	6.0	2.96	
			sP	08 53 24.0	2.2		
			PP	08 55 12.0	0.8		
			S	09 01 54.0	6.1		
			eSS	09 06 57.0	-6.3		
			LE		16.0	1.62	
			LZ		24.0	2.00	
NJ2	81.6	309	+iP	08 52 19.0	-0.2		
			PMZ	$m_B=6.1$	6.0	2.33	
			sP	08 53 38.0	4.5		
			S	09 02 06.0	-4.4		
GZH	81.6	298	+iP	08 52 20.0	0.8		
			PMZ	$m_B=6.9$	1.5	3.36	
			sP	08 53 36.0	2.4		
			PP	08 55 25.0	-4.7		
			S	09 02 16.0	5.5		
			SME	$m_B=5.9$	10.0	1.83	
			sS	09 03 48.0	6.0		
MDJ	81.9	324	+iP	08 52 21.0	0.3		
			PMZ	$m_B=6.5$	6.0	5.90	
			pP	08 53 11.0	-1.3		
			PP	08 55 31.0	-1.0		
			SMN	$m_B=6.2$	7.0	2.60	
QZN	82.8	293	+iP	08 52 25.5	0.1		
			PMZ	$m_B=6.1$	7.0	2.50	
			sP	08 53 39.0	-0.8		
			PP	08 55 40.0	0.7		
			S	09 02 22.5	-0.1		
DL2	83.3	316	+iP	08 52 26.5	-1.5		
			PMZ	$m_B=5.8$	6.0	1.11	
			sP	08 53 44.0	1.6		
			PP	08 55 42.0	-1.3		
			S	09 02 27.0	-0.6		
SNY	83.7	319	+iP	08 52 29.5	-0.5		
			PMZ	$m_B=6.3$	6.0	3.85	
			sP	08 53 44.0	-0.4		
			sS	09 04 10.0	6.3		
			LN		24.0	7.70	
			LE		24.0	4.91	
			LZ		20.0	3.38	
CN2	83.7	322	+iP	08 52 29.7	-0.5		
			PMZ	$m_B=6.4$	6.0	4.50	
			pP	08 53 27.0	5.1		

GYA	88.5	299	+P	08 52 52.0	-1.5		
			PMZ	$m_B=6.3$	5.0	2.60	
			sP	08 54 12.0	3.9		
			SME	$m_B=6.3$	9.0	2.60	
TIY	88.9	311	+iP	08 52 55.5	0.0		
			PMZ	$m_B=6.2$	6.0	2.63	
			sP	08 54 11.0	0.8		
			SMN	$m_B=6.0$	12.0	1.25	
			SME		9.0	1.06	
			LE		20.0	2.18	
			LZ		38.0	3.89	
XAN	89.9	307	+iP	08 53 00.0	0.1		
			PMZ	$m_B=6.3$	6.0	2.61	
			sP	08 54 18.0	3.3		
			SKS	09 03 10.0	3.1		
			SMN	$m_B=6.2$	9.0	1.17	
			SME		9.0	1.45	
HHC	90.9	314	+iP	08 53 05.0	0.0		
			PMZ	$m_B=6.2$	5.0	1.62	
			sP	08 54 19.0	-0.7		
			PP	08 56 40.0	-4.8		
			SKS	09 03 17.0	3.8		
			S	09 03 38.5	-1.1		
			SMN	$m_B=6.0$	9.0	0.86	
			SME		9.0	0.83	
KMI	91.2	296	+iP	08 53 07.5	1.1		
			PMZ	$m_B=6.2$	6.0	1.80	
			SME	$m_B=6.0$	10.0	1.40	
CD2	92.6	302	P	08 53 12.4	-0.2		
			SKS	09 03 26.0	3.5		
			eS	09 03 53.0	-2.8		
			SME	$m_B=6.3$	8.0	2.10	
LZH	94.5	307	+P	08 53 21.5	0.1		
			PMZ	$m_B=6.2$	6.0	1.22	
			S	09 04 09.0	-1.3		
GTA	98.7	309	+P	08 53 39.5	-0.8		
			PMZ	$m_B=6.1$	8.0	0.72	
			sP	08 54 57.5	2.4		
			SKS	09 03 54.5	-0.6		
			LN		20.0	1.94	
			LZ		26.0	2.76	
KSH	116.7	305	PKP	08 58 45.0	1.8		
			PP	08 59 56.0	-1.4		
			sPKP	09 00 07.0	6.4		
			SKS	09 05 30.0	-1.2		
			SKKS	09 06 24.0	-3.1		
			LE		12.0	4.10	

JAN 15d 10h 40m  $28.2 \pm 0.07s$ ,  $SD1.38/40$   
 $33.55 N \pm 0.86km$ ,  $138.88 E \pm 1.18km$ ,  $h238 \pm 1.19km$   
 South of Honshu (211)



MDJ	13.2	330	-P	10 43 28.0	-0.1		
CN2	14.6	318	eP	10 43 45.8	-0.1		
SNY	14.7	309	+iP	10 43 47.2	1.1		
NJ2	16.9	270	eP	10 44 12.0	-0.5		
BJI	19.3	296	eP	10 44 36.0	-1.1		
WHN	21.0	269	+P	10 44 57.5	3.2		
XAN	24.9	280	P	10 45 30.1	-1.1		
GYA	28.7	264	P	10 46 05.0	-1.0		
<p>JAN 15d 13h 55m 58.2 ± 0.14s, SD3.14 / 17                      27.26 N ± 1.09km, 101.01 E ± 1.14km, h10 ± 0.41km                      Yunnan Province (318)                      M<sub>L</sub>3.5 / 8,</p>							
KMI	2.6	143	ePg	13 56 45.0	0.0		
			Sg	13 57 17.0	-3.8		
			SMN	M <sub>L</sub> =3.5	0.7	0.24	
			SME		1.0	0.29	
CD2	4.4	33	ePn	13 57 09.8	4.8		
			Sn	13 57 59.8	1.9		
			SMN	M <sub>L</sub> =3.6	1.0	0.10	
			SME		0.9	0.10	
GYA	5.1	98	Pn	13 57 18.8	3.4		
			Sn	13 58 17.8	1.3		
			Sg	13 58 42.8	4.3		
			SMN	M <sub>L</sub> =3.5	1.0	0.070	
			SME		1.0	0.040	
XAN	9.6	43	eP	13 58 16.5	-3.2		
<p>JAN 15d 16h 36m 16.4 ± 0.11s, SD2.97 / 15                      37.48 N ± 1.06km, 114.95 E ± 0.93km, h18 ± 0.25km                      Eastern China (664)                      M<sub>L</sub>3.2 / 17,</p>							
TIY	2.0	277	+iPg	16 36 51.1	-1.0		
			Sg	16 37 18.1	-1.4		
			SMN	M <sub>L</sub> =3.0	0.6	0.13	
			SME		0.6	0.13	
TIA	2.2	125	Pn	16 36 49.7	-2.3		
			Sn	16 37 16.7	-3.4		
			SMN	M <sub>L</sub> =3.5	0.8	0.31	
			SME		0.5	0.31	
			SMZ	M <sub>L</sub> =3.3	0.5	0.15	
HHC	4.3	323	ePg	16 37 32.6	0.6		
			Sg	16 38 28.6	-1.5		
			SMN	M <sub>L</sub> =3.3	0.8	0.050	
			SME		0.8	0.060	
BTO	4.9	311	Pg	16 37 45.6	1.8		
			Sg	16 38 49.0	-2.2		
<p>JAN 15d 16h 50m 01.3 ± 0.09s, SD0.76 / 56                      30.29 N ± 0.73km, 138.53 E ± 1.33km, h447 ± 0.23km                      South of Honshu (211)                      m<sub>b</sub>5.0 / 2,</p>							
MDJ	16.0	336	eP	16 53 24.0	0.3		
DL2	16.3	306	P	16 53 27.0	-0.7		
SNY	16.7	318	+iP	16 53 31.4	0.4		
NJ2	16.9	281	+P	16 53 33.4	-0.2		
CN2	17.0	326	eP	16 53 34.0	-0.6		
TIA	18.8	294	eP	16 53 52.3	-0.2		
BJI	20.7	304	eP	16 54 10.0	0.1		
WHN	20.9	277	P	16 54 13.0	1.3		
TIY	22.8	296	eP	16 54 29.9	-0.3		
HHC	24.3	303	eP	16 54 42.8	-0.3		
XAN	25.3	286	P	16 54 51.5	-1.0		
BTO	25.3	302	eP	16 54 53.4	0.8		
GYA	28.3	270	P	16 55 18.0	-0.7		
QZN	28.3	253	eP	16 55 20.2	1.2		
CD2	29.9	280	eP	16 55 31.8	-0.9		
GTA	32.8	297	+P	16 55 57.8	-0.4		
WMQ	42.1	303	P	16 57 14.0	-0.7		
<p>JAN 15d 21h 07m 10.9 ± 0.06s, SD1.34 / 41                      27.07 S ± 2.05km, 11.31 W ± 1.94km, h9 ± 0.04km                      South Atlantic Ridge (410)                      M<sub>g</sub>5.7 / 6,</p>							
GTA	122.4	59	PKP	21 26 08.7	0.9		
			LE	M <sub>g</sub> =5.7	25.0	1.37	
CD2	123.8	70	ePKP	21 26 11.3	0.8		
LZH	124.9	63	ePKP	21 26 13.5	0.7		
GYA	125.1	76	PKP	21 26 14.2	1.1		
XAN	128.7	67	PKP	21 26 20.5	0.6		
BTO	130.3	58	ePKP	21 26 24.0	1.0		
			PKS	21 29 50.0	-6.7		
			LN	M <sub>g</sub> =5.9	18.0	0.60	
			LE		18.0	1.30	
			LZ	M <sub>g</sub> =5.9	18.0	2.10	
HHC	131.5	58	ePKP	21 26 26.0	0.7		
TIY	132.0	62	ePKP	21 26 21.0	-5.2		
			PP	21 28 49.0	-1.1		
			PKS	21 29 54.5	-5.3		
			SKKS	21 35 42.5	2.7		
			LN	M <sub>g</sub> =5.8	20.0	1.23	
BJI	135.0	59	ePKP	21 26 31.0	-0.7		
			ePP	21 29 14.0	4.9		
			PKS	21 30 05.0	-0.3		
			SKKS	21 36 00.0	1.2		
			LE	M <sub>g</sub> =5.7	16.0	0.83	
CN2	141.5	53	PKP	21 26 43.5	-0.1		
			ePP	21 29 50.0	0.7		
			LN	M <sub>g</sub> =5.5	18.0	0.50	
			LZ	M <sub>g</sub> =5.4	20.0	0.70	
MDJ	144.2	50	ePKP	21 26 46.5	-1.8		
<p>JAN 16d 00h 43m 36.4 ± 0.08s, SD0.92 / 104                      2.23 S ± 0.97km, 140.24 E ± 1.07km, h33 ± 0.41km                      Near north coast of West Irian (197)                      M<sub>s</sub>5.2 / 27, m<sub>b</sub>5.9 / 8, m<sub>b</sub>5.9 / 6,</p>							
QZH	34.2	323	eP	00 50 20.0	-1.5		
			eS	00 55 44.0	-1.3		
			LE	M <sub>s</sub> =5.1	22.0	2.32	
GZH	36.3	315	-P	00 50 39.4	-0.1		
			eS	00 56 13.0	-5.1		
			LE	M <sub>s</sub> =5.2	14.0	1.99	
QZN	36.6	307	-P	00 50 41.0	-0.8		
			pP	00 50 48.5	-2.4		
			PP	00 52 04.5	-1.9		
			S	00 56 22.0	0.8		
			SS	00 58 48.0	-0.6		
			LN	M <sub>s</sub> =5.1	17.0	1.50	
			LE		17.0	1.10	
SSE	37.8	333	+iP	00 50 50.0	-1.7		
			PMZ	m <sub>b</sub> =6.0	2.2	0.55	
			PP	00 52 20.0	-0.9		
			S	00 56 40.0	0.7		
			eS	00 56 52.0	-3.5		
			LN	M <sub>s</sub> =5.4	20.0	4.09	
			LZ	M <sub>s</sub> =5.1	20.0	3.24	
NJ2	39.7	331	-iP	00 51 08.5	1.1		
			S	00 57 10.0	2.1		
			LN	M <sub>s</sub> =5.4	15.0	1.12	
			LE		16.0	2.43	
			LZ	M <sub>s</sub> =4.9	18.0	1.49	
WHN	40.9	325	+P	00 51 19.5	2.0		
			PMZ	m <sub>b</sub> =5.8	1.2	0.19	
			pP	00 51 27.0	0.2		
			PcP	00 53 16.0	-1.8		
			S	00 57 32.0	6.0		



GYA	43.2 314	LZ	$M_s = 5.1$	20.0	2.90	GTA	55.6 322	-iP	00 53 11.9	-0.1		
		P	00 51 37.6	1.1				PMZ	$m_b = 5.9$			5.0 0.75
		pP	00 51 48.0	2.3				pP	00 53 19.0	-2.3		
		S	00 58 04.0	4.2				PP	00 55 15.4	-1.5		
		ScS	01 01 34.0	3.0				eS	01 00 55.5	1.0		
		LN	$M_s = 5.2$	22.0	1.40			sS	01 01 06.5	-3.3		
		LE		18.0	1.10			LE	$M_s = 5.2$	22.0	1.29	
TIA	43.9 333	-P	00 51 42.0	-0.2				LZ	$M_s = 5.0$	20.0	1.25	
		eS	00 58 13.0	1.7		LSA	56.6 308	-P	00 53 19.0	-0.6		
		LN	$M_s = 5.4$	18.0	2.45	WMQ	65.6 321	-iP	00 54 20.2	0.3		
		LE		18.0	1.48			PMZ	$m_b = 5.8$	2.0	0.26	
DL2	44.4 339	P	00 51 46.0	0.0				pP	00 54 30.0	0.7		
		eS	00 58 16.0	-2.2				S	01 03 06.0	5.4		
KMI	45.4 309	-iP	00 51 55.0	0.7				LZ	$M_s = 4.9$	18.0	0.77	
		PP	00 53 44.0	3.4		KSH	71.9 313	-iP	00 55 00.0	0.9		
		S	00 58 33.0	1.3				S	01 04 16.0	0.4		
		LE	$M_s = 5.0$	16.0	1.00	JAN 16d 05h 46m $50.0 \pm 0.19s$ , $SD1.70 / 32$ $60.40 S \pm 1.62km$ , $154.28 E \pm 3.29km$ , $h9 \pm 0.80km$ West of Macquarie Island (701) $M_s 5.7 / 4$ , $m_b 5.9 / 1$ ,						
		LZ	$M_s = 5.0$	24.0	2.10							
SNY	46.4 343	-iP	00 52 01.8	-0.2								
		pP	00 52 09.0	-2.3								
		S	00 58 44.0	-1.9								
		LN	$M_s = 5.3$	19.0	1.31	QZN	86.9 318	P	05 59 37.5	0.2		
		LE		22.0	1.76			PP	06 02 59.0	-2.6		
		LZ	$M_s = 5.1$	20.0	2.11			eSKS	06 09 59.5	-1.2		
XAN	46.6 324	-iP	00 52 03.4	-0.2				S	06 10 14.0	1.1		
		pP	00 52 10.5	-2.3				sS	06 10 19.0	-4.5		
		PP	00 53 50.0	-2.6				LN	$M_s = 5.8$	15.0	1.20	
		S	00 58 50.5	1.8				LE		17.0	1.60	
		SME	$m_b = 5.7$	6.0	0.62	GYA	94.9 318	P	06 00 15.0	0.4		
TIY	47.4 330	-iP	00 52 09.5	-0.2		KMI	95.0 315	-P	06 00 15.5	0.3		
		S	00 59 06.0	6.3				eSKS	06 10 50.0	1.9		
		sS	00 59 19.0	2.9				LE	$M_s = 5.8$	20.0	2.30	
		LN	$M_s = 5.3$	17.0	1.38			LZ	$M_s = 5.4$	30.0	1.90	
		LE		19.0	1.46	SSE	95.1 332	+P	06 00 15.0	-0.7		
		LZ	$M_s = 5.3$	19.0	2.94			PMZ	$m_b = 5.9$	1.2	0.036	
BJI	47.5 335	-P	00 52 10.0	-0.7				sP	06 00 24.0	0.4		
		pP	00 52 17.0	-3.0				PP	06 04 04.0	-2.3		
		eS	00 59 00.0	-2.6				SKS	06 10 52.0	3.1		
		LN	$M_s = 5.7$	20.0	5.68			sS	06 11 34.0	-3.2		
		LZ	$M_s = 5.1$	23.0	2.19			LZ	$M_s = 5.4$	20.0	1.39	
MDJ	47.6 350	-P	00 52 11.5	-0.1		NJ2	96.6 330	+P	06 00 22.4	0.0		
		pP	00 52 20.8	0.0				LZ	$M_s = 5.3$	20.0	1.04	
		LZ	$M_s = 5.3$	24.0	4.40	CD2	99.9 318	eP	06 00 37.0	-0.6		
CN2	47.7 346	-iP	00 52 12.0	-0.4		XAN	101.2 323	P	06 00 42.0	-1.2		
		PMZ		3.0	0.60			LE	$M_s = 5.6$	15.0	0.81	
		pP	00 52 20.0	-1.7		BJI	104.9 331	P	06 00 57.0	-2.4		
		eS	00 59 06.0	0.2				eSKS	06 11 36.0	-1.0		
		LN	$M_s = 5.1$	16.0	1.10			eSS	06 20 16.0	4.6		
		LZ	$M_s = 5.2$	22.0	2.70			LZ	$M_s = 5.4$	20.0	1.21	
CD2	47.9 316	eP	00 52 14.0	0.2		MDJ	106.6 342	ePdif	06 01 03.0	-4.0		
		PMZ	$m_b = 5.9$	1.4	0.26	JAN 16d 07h 11m $38.5 \pm 0.12s$ , $SD3.01 / 16$ $34.74 N \pm 1.35km$ , $104.62 E \pm 1.14km$ , $h7 \pm 0.50km$ Gansu Province (322) $M_L 3.1 / -11$ ,						
HHC	50.2 332	P	00 52 27.0	3.5								
		pP	00 52 31.6	-0.3								
		S	00 59 45.0	5.3								
		LN	$M_s = 5.4$	16.0	1.32							
		LE		19.0	1.44	LZH	1.5 335	Pn	07 12 05.5	-0.6		
BTO	50.8 330	-iP	00 52 37.0	0.9				Pg	07 12 08.0	3.3		
		pP	00 52 44.0	-1.3				Sn	07 12 30.0	2.6		
		PP	00 54 32.0	-0.3				SMN	$M_L = 3.5$	1.0	0.56	
		eS	00 59 51.0	2.3				SME		1.0	0.57	
		LN	$M_s = 5.5$	18.0	1.70	XAN	3.6 100	Pn	07 12 32.3	-3.1		
		LE		18.0	2.40			Pg	07 12 40.6	-1.9		
		LZ	$M_s = 5.3$	18.0	2.80			Sg	07 13 27.8	-4.3		
LZH	51.0 322	-iP	00 52 39.0	0.8				SMN	$M_L = 3.1$	0.8	0.050	
		PMZ		3.0	1.22			SME		0.8	0.050	
		pP	00 52 46.0	-1.3		CD2	3.9 191	Pn	07 12 39.7	0.8		
		eS	00 59 54.0	1.6				ePg	07 12 53.0	6.0		
								Sg	07 13 41.5	1.4		



				Fiji region			
SMN $M_L=3.1$ 0.8 0.050 SME 0.8 0.030				(181) NJ2 78.6 309 eP 13 12 29.1 0.5 MDJ 78.9 325 eP 13 12 30.0 0.0 CN2 80.7 322 -P 13 12 38.8 -0.7 WHN 81.3 306 eP 13 12 44.0 1.6 BJI 84.5 315 eP 13 12 58.0 -0.4 TIY 86.0 312 eP 13 13 06.0 0.4 XAN 87.0 307 P 13 13 10.4 0.2 LZH 91.6 308 eP 13 13 33.0 1.1 GTA 95.7 310 eP 13 13 50.0 -0.7			
GTA 6.0 322 Pn 07 13 09.3 0.6 Pg 07 13 30.8 5.7 Sn 07 14 20.0 -0.2 SMN $M_L=3.0$ 0.8 0.011 SME 0.8 0.012 TIY 7.0 63 ePg 07 13 45.9 4.0 Sg 07 15 16.5 -0.7 SMN $M_L=3.8$ 0.6 0.040 SME 0.6 0.040				JAN 16d 22h 49m $55.1 \pm 0.15s$ , SD1.43 / 26 0.70 N $\pm 1.80km$ , 127.68 E $\pm 3.17km$ , h32 $\pm 0.44km$ Djallolo Gilolo (Halmahera) (267) XAN 37.5 334 P 22 57 08.0 -0.5 TIY 39.4 341 eP 22 57 20.3 -4.0 BJI 40.5 346 eP 22 57 32.0 -1.4 LZH 41.6 330 P 22 57 43.5 1.2 BTO 42.8 340 eP 22 57 53.2 0.7 MDJ 43.8 2 eP 22 58 00.0 0.1 GTA 46.2 330 eP 22 58 19.2 -0.2 WMQ 55.7 326 eP 22 59 33.0 1.3 KSH 60.9 316 P 23 00 08.0 0.1			
JAN 16d 11h 42m $10.7 \pm 0.08s$ , SD1.55 / 90 35.31 N $\pm 1.64km$ , 140.42 E $\pm 1.55km$ , h50 $\pm 0.69km$ Near south coast of Honshu (230) $M_S=4.6/16$ , $m_b=4.8/2$ , MDJ 12.5 322 eP 11 45 09.0 1.1 S 11 47 26.0 1.2 LZ $M_S=4.2$ 24.0 2.40 CN2 14.3 311 -P 11 45 33.7 1.4 eS 11 48 13.0 3.3 LN $M_S=4.3$ 14.0 1.10 LZ $M_S=4.2$ 16.0 1.20 SNY 14.7 301 eP 11 45 40.4 3.2 LE $M_S=4.2$ 19.0 1.17 LZ $M_S=4.2$ 19.0 1.31 DL2 15.4 289 P 11 45 50.4 3.8 pP 11 46 00.0 4.2 LE $M_S=4.4$ 12.0 1.02 SSE 16.6 261 +P 11 46 04.8 2.7 PMZ $m_b=4.7$ 1.0 0.038 sP 11 46 20.0 2.3 LZ $M_S=4.5$ 16.0 2.21 NJ2 18.2 266 +P 11 46 22.8 0.8 TIA 18.9 280 eP 11 46 29.2 -1.1 eS 11 49 54.2 -1.4 LN $M_S=4.7$ 13.0 0.83 LE 13.0 1.42 LZ $M_S=4.4$ 13.0 1.07 BJI 19.7 291 eP 11 46 37.0 -2.3 WHN 22.4 265 +P 11 47 07.5 1.4 eS 11 51 10.0 6.5 LZ $M_S=4.6$ 18.0 1.70 TIY 22.6 284 eP 11 47 10.0 1.6 LE $M_S=4.8$ 17.0 1.95 LZ $M_S=4.7$ 17.0 2.15 HHC 23.3 292 eP 11 47 14.9 -0.7 BTO 24.5 292 eP 11 47 29.0 2.2 esP 11 47 44.0 0.2 eS 11 51 45.0 4.3 LN $M_S=4.4$ 14.0 0.40 LE 14.0 0.40 XAN 25.9 276 eP 11 47 38.6 -1.5 LE $M_S=4.6$ 15.0 0.81 LZH 29.6 282 eP 11 48 13.5 -0.4 PMZ $m_b=4.9$ 2.0 0.049 GYA 30.2 262 P 11 48 16.8 -2.1 CD2 30.9 272 P 11 48 24.0 -1.3 GTA 32.3 290 P 11 48 37.0 -1.0 LE $M_S=5.1$ 20.0 2.29 KMI 33.9 263 -P 11 48 50.0 -1.9 sP 11 49 11.0 1.9 LN $M_S=4.8$ 15.0 0.80 WMQ 40.9 298 +IP 11 49 51.6 1.2 KSH 50.4 295 P 11 51 07.0 1.0				JAN 17d 00h 54m $41.1 \pm 0.31s$ , SD1.60 / 33 1.00 N $\pm 1.40km$ , 127.68 E $\pm 0.38km$ , h36 $\pm 3.30km$ Djallolo Gilolo (Halmahera) (267) $M_S=4.5/1$ , $m_b=5.3/1$ , NJ2 32.0 346 eP 01 01 05.8 -0.7 XAN 37.3 334 +P 01 01 50.7 -1.1 TIY 39.1 341 -P 01 02 08.5 1.1 LE $M_S=4.5$ 10.0 0.23 BJI 40.2 346 eP 01 02 16.0 -0.5 LZH 41.3 330 eP 01 02 25.0 -0.7 PMZ $m_b=5.3$ 2.0 0.10 MDJ 43.5 2 eP 01 02 47.0 4.0 GTA 45.9 330 eP 01 03 02.4 -0.4 WMQ 55.5 326 eP 01 04 14.0 -1.4			
JAN 16d 13h 01m $23.6 \pm 0.07s$ , SD0.73 / 37 18.43 S $\pm 1.12km$ , 177.91 W $\pm 0.96km$ , h574 $\pm 0.36km$				JAN 17d 02h 47m $16.5 \pm 0.06s$ , SD1.13 / 31 7.73 S $\pm 0.89km$ , 127.74 E $\pm 1.74km$ , h33 $\pm 0.15km$ Timor (289) GYA 39.7 330 P 02 54 49.0 1.4 WHN 40.2 342 eP 02 54 54.0 2.4 NJ2 40.5 348 eP 02 54 54.0 0.0 CD2 44.8 330 eP 02 55 29.3 0.0 XAN 45.2 338 P 02 55 32.0 -0.8 TIY 47.4 343 eP 02 55 49.6 -0.6 LZH 49.0 334 eP 02 56 02.5 -0.5 GTA 53.6 333 eP 02 56 36.3 -0.9 WMQ 62.8 328 eP 02 57 44.5 2.7			
JAN 17d 03h 36m $04.2 \pm 0.07s$ , SD1.22 / 79 36.25 N $\pm 1.32km$ , 70.76 E $\pm 1.13km$ , h113 $\pm 0.27km$ Hindu Kush region (718) $m_b=5.4/10$ , $m_b=5.2/3$ , KSH 5.2 50 P 03 37 23.5 1.8 S 03 38 25.0 4.2 LN 5.0 23.1 WMQ 15.0 55 P 03 39 33.0 1.3 sP 03 40 02.0 -1.3 S 03 42 10.0 -4.7 LSA 18.3 105 P 03 40 11.0 -1.4 sP 03 40 43.0 -2.4 S 03 43 30.0 1.6 SMN $m_b=5.4$ 6.0 0.67 GTA 23.1 73 +IP 03 41 02.8 1.5							



			PMZ	$m_b = 5.5$	3.5	0.83	43.18 N ± 1.07km, 83.19 E ± 1.00km, h8 ± 0.42km Northern Xinjiang Province (332)
			sP	03 41 36.0	-2.6		
			SME	$m_b = 5.4$	10.0	0.99	$M_L 3.3 / 5,$
			sS	03 45 47.0	6.1		WMQ 3.3 78 ePn 03 57 05.6 3.9
			SS	03 45 57.0	2.4		Sg 03 57 51.4 -2.2
			LN			10.0	0.28
			LE			10.0	0.54
LZH	26.6	80	eP	03 41 35.0	0.4		
			PMZ	$m_b = 5.2$	2.0	0.12	JAN 17d 09h 25m 21.2 ± 0.06s, SD1.07 / 16
			pP	03 42 00.0	1.5		10.09 S ± 1.01km, 161.21 E ± 0.43km, h77 ± 0.63km
			eS	03 46 04.0	4.2		Solomon Islands (193)
			SME	$m_b = 5.0$	10.0	0.47	CN2 62.7 332 eP 09 35 40.0 -0.9
CD2	27.9	91	eP	03 41 46.2	0.0		XAN 66.2 314 eP 09 36 03.0 -0.8
			epP	03 42 10.0	-0.3		GTA 75.2 315 eP 09 36 58.6 0.4
			eS	03 46 26.0	5.6		
KMI	29.5	103	eP	03 42 00.0	-0.7		JAN 17d 11h 26m 47.8 ± 0.06s, SD0.99 / 23
			sP	03 42 42.0	3.4		4.96 S ± 0.58km, 132.08 E ± 0.93km, h51 ± 0.68km
			eS	03 46 48.0	1.8		Banda Sea (280)
			LN			12.0	0.50
BTO	30.9	70	P	03 42 14.0	1.4		GYA 39.8 323 P 11 34 18.6 0.7
			sP	03 42 50.5	-0.2		XAN 44.5 332 -P 11 34 56.0 -0.9
			S	03 47 11.0	4.7		TIY 46.2 338 eP 11 35 10.8 0.5
			LN			12.0	0.40
			LE			12.0	0.30
XAN	31.2	83	P	03 42 13.6	-1.3		CN2 48.9 354 eP 11 35 30.0 -1.2
			pP	03 42 40.0	0.6		MDJ 49.4 358 -P 11 35 35.5 0.5
			sP	03 42 51.6	-1.5		GTA 53.3 329 eP 11 36 04.2 0.0
GYA	32.0	98	P	03 42 21.8	-0.7		WMQ 62.9 325 P 11 37 12.4 0.9
			pP	03 42 43.6	-3.5		
			S	03 47 26.0	1.9		JAN 17d 11h 46m 17.7 ± 0.17s, SD4.02 / 10
			ScP	03 48 43.8	3.1		27.12 N ± 1.15km, 100.94 E ± 1.75km, h8 ± 0.38km
			PcS	03 48 52.6	0.1		Yunnan Province (318)
TIY	33.1	75	eP	03 42 32.5	0.4		$M_L 3.3 / 5,$
			S	03 47 46.0	4.7		KMI 2.6 141 ePg 11 47 02.5 -0.8
			SMN	$m_b = 5.1$	7.0	0.28	Sg 11 47 37.0 -1.1
			SME		8.0	0.38	SMN $M_L = 3.3$ 1.0 0.17
			LN		10.0	0.35	SME 1.0 0.15
			LE		10.0	0.34	CD2 4.5 33 ePn 11 47 28.7 2.0
BJI	35.6	70	eP	03 42 53.0	-0.2		Pg 11 47 39.0 1.7
			PcP	03 45 14.0	-5.3		Sn 11 48 24.6 3.2
			eS	03 48 24.0	3.4		SMN $M_L = 3.6$ 1.1 0.080
			sS	03 49 08.0	3.6		SME 1.1 0.11
			LZ			24.0	0.71
WHN	36.6	86	eP	03 43 02.5	1.0		GYA 5.2 96 Pn 11 47 40.5 4.8
			pP	03 43 29.0	2.3		Sn 11 48 36.4 -1.1
			sP	03 43 39.0	-1.2		Sg 11 49 05.4 6.1
			eS	03 48 36.5	0.9		SMN $M_L = 3.1$ 1.2 0.020
			LE			10.0	0.45
TIA	37.1	76	eP	03 43 04.4	-1.4		XAN 9.7 43 eP 11 48 36.0 -5.4
			eS	03 48 40.0	-3.5		
			LE			16.0	0.58
NJ2	39.7	82	eP	03 43 28.0	0.7		JAN 17d 12h 25m 14.0 ± 0.07s, SD1.83 / 35
SNY	40.9	66	eP	03 43 36.5	-0.3		44.69 N ± 2.28km, 148.02 E ± 2.05km, h54 ± 0.81km
CN2	41.9	62	eP	03 43 45.5	0.2		Kurile Islands (221)
			eS	03 49 57.0	2.0		$M_S 4.4 / 1,$
			LN			10.0	0.50
			LZ			20.0	0.40
SSE	41.9	82	P	03 43 46.5	1.2		CN2 16.2 275 eP 12 28 57.5 -2.2
			pP	03 44 14.5	3.6		BJI 23.9 270 eP 12 30 22.0 -1.9
							NJ2 26.0 251 eP 12 30 41.0 -2.6
							TIY 27.5 268 +P 12 30 57.0 -0.9
							XAN 31.8 264 P 12 31 33.4 -2.4
							GTA 35.8 279 -P 12 32 08.6 -1.7
							CD2 37.1 264 eP 12 32 20.3 -1.4
							GYA 37.8 255 P 12 32 25.0 -2.1
							WMQ 42.3 291 P 12 33 04.0 -0.9
							JAN 17d 13h 51m 36.7 ± 0.07s, SD1.29 / 27
							32.35 S ± 1.37km, 179.57 W ± 1.36km, h51 ± 0.34km
							South of Kermadec Islands (179)
							$M_S 5.5 / 1,$
							NJ2 86.5 312 eP 14 04 16.0 -0.2
							MDJ 89.5 326 eP 14 04 29.5 -1.0
							pP 14 04 40.0 -4.0
							SKS 14 14 54.0 1.3
							S 14 15 15.0 1.7
							JAN 17d 03h 41m 44.4 ± 0.08s, SD1.82 / 11
							0.93 N ± 1.50km, 127.33 E ± 4.44km, h10 ± km
							Molucca Passage (266)
							TIY 39.1 341 eP 03 49 14.7 0.6
							BJI 40.2 347 eP 03 49 23.0 -0.4
							MDJ 43.5 2 eP 03 49 49.5 -1.1
							JAN 17d 03h 56m 08.8 ± 0.10s, SD3.17 / 8









			PcS	10 08 17.4	-0.3		
			ScS	10 11 52.0	-2.6		
TIY	33.3	75	eP	10 02 01.0	0.6		
			LZ			24.0	0.41
BJI	35.8	70	eP	10 02 21.0	-0.2		
			epP	10 03 09.0	4.2		
			ePP	10 03 50.0	3.3		
			PcP	10 04 44.0	-0.1		
			eS	10 07 40.0	-2.5		
			ScP	10 08 08.0	-0.6		
			ScS	10 12 13.0	0.0		
WHN	36.8	86	eP	10 02 31.5	1.4		
			ScP	10 08 12.4	-0.1		
QZN	38.6	106	eP	10 02 44.8	-0.4		
NJ2	39.9	82	+P	10 02 56.0	0.3		
SNY	41.0	66	-P	10 03 04.6	0.1		
CN2	42.0	62	eP	10 03 12.8	0.0		
SSE	42.1	82	P	10 03 14.0	0.4		
			sP	10 04 18.5	-3.2		
			S	10 09 16.0	-0.2		
			sS	10 10 39.0	3.8		

JAN 18d 11h 52m 28.0 ± 0.62s, SD2.00 / 30  
 24.41 N ± 3.96km, 122.34 E ± 4.20km, h14 ± km  
 Taiwan (244)  
 M<sub>L</sub>4.0 / 12,

QZH	3.5	280	ePn	11 53 20.0	-1.9		
			SMN	M <sub>L</sub> =4.0	0.7	0.58	
			SME		0.7	0.28	
SSE	6.7	351	eP	11 54 09.0	-0.3		
			SMN	M <sub>L</sub> =3.7	1.0	0.027	
			SME		1.0	0.056	
NJ2	8.2	339	-P	11 54 29.0	-0.9		
WHN	9.4	312	eP	11 54 47.0	1.1		
			SMN		1.0	0.080	
			SME		1.0	0.080	
GYA	14.3	281	eP	11 55 55.2	2.3		
XAN	15.1	312	eP	11 56 04.2	0.7		
TIY	15.7	330	eP	11 56 12.0	0.7		
BJI	16.4	343	eP	11 56 20.0	-0.1		
CD2	17.7	296	eP	11 56 36.6	0.6		

JAN 18d 13h 48m 12.6 ± 0.16s, SD2.10 / 43  
 2.42 S ± 1.55km, 76.61 W ± 3.36km, h144 ± 1.43km  
 Peru-Ecuador border region (110)

WMQ	136.5	17	ePKP	14 07 16.0	-2.8		
BJI	140.8	344	ePKP	14 07 26.5	-0.1		
GTA	143.0	5	ePKP	14 07 29.2	-1.4		
TIY	143.9	348	ePKP	14 07 30.0	-2.0		
LZH	146.5	359	ePKP	14 07 38.5	1.9		
			pPKP	14 08 16.0	2.6		
SSE	146.9	331	+PKP	14 07 38.1	1.1		
			pPKP	14 08 14.6	0.5		
NJ2	147.1	335	+PKP	14 07 38.0	0.6		
XAN	148.1	351	+PKP	14 07 40.0	0.8		
			pPKP	14 08 15.0	-1.3		
WHN	150.2	341	-PKP	14 07 47.6	5.4		
			pPKP	14 08 24.8	5.2		
LSA	150.5	22	PKP	14 07 44.0	0.8		

JAN 18d 19h 02m 38.6 ± 0.13s, SD1.80 / 24  
 4.81 N ± 1.63km, 96.15 E ± 1.44km, h62 ± 0.48km  
 Northern Sumatera (706)

GYA	23.8	24	P	19 07 49.4	2.8		
CD2	26.9	15	eP	19 08 16.0	-0.5		
XAN	31.4	21	eP	19 08 55.6	-0.9		
GTA	34.6	5	eP	19 09 23.2	-1.0		

JAN 18d 21h 01m 07.2 ± 0.11s, SD2.60 / 30  
 35.57 N ± 1.15km, 99.54 E ± 1.11km, h17 ± 0.05km  
 Qinghai Province (325)  
 M<sub>g</sub>4.1 / 7, M<sub>L</sub>4.3 / 5,

LZH	3.5	80	ePn	21 02 07.0	4.9		
			Pg	21 02 13.0	3.3		
			Sg	21 02 59.0	0.9		
			SME			2.0	0.75
GTA	3.8	3	-Pn	21 02 09.6	3.3		
			Sn	21 02 51.0	-1.9		
			Sg	21 03 10.0	2.3		
			LE	M <sub>g</sub> =4.0		14.0	4.24
CD2	5.8	142	Pn	21 02 39.4	5.8		
			Pg	21 02 56.7	6.5		
			Sg	21 04 12.4	2.4		
			SMN	M <sub>L</sub> =3.9		1.0	0.10
			SME			1.0	0.10
			LN	M <sub>g</sub> =4.1		9.0	1.82
			LZ	M <sub>g</sub> =4.2		7.0	1.24
XAN	7.9	98	Pn	21 03 01.0	-0.5		
			LE	M <sub>g</sub> =3.8		7.0	0.41
LSA	9.2	233	eP	21 03 23.2	0.6		
BTO	9.7	56	eP	21 03 27.0	-2.1		
			LN	M <sub>g</sub> =3.8		10.0	0.40
			LE			10.0	0.20
TIY	10.6	75	eP	21 03 39.8	-1.8		
			LN	M <sub>g</sub> =4.2		11.5	1.05
GYA	10.9	144	P	21 03 47.0	0.4		
WMQ	12.3	316	P	21 04 02.0	-2.7		
			S	21 06 15.0	-6.7		
			SME			1.0	0.030

JAN 18d 23h 45m 54.0 ± 0.06s, SD1.25 / 17  
 55.34 S ± 1.06km, 145.84 E ± 2.12km, h12 ± 0.21km  
 West of Macquarie Island (701)

GYA	88.1	325	P	23 58 46.8	0.0		
CD2	93.2	325	eP	23 59 10.4	0.0		
XAN	94.5	330	P	23 59 15.0	-1.4		

JAN 19d 02h 29m 16.4 ± 0.08s, SD1.14 / 61  
 36.56 N ± 1.05km, 70.85 E ± 1.01km, h195 ± 0.13km  
 Hindu Kush region (718)

KSH	5.0	52	P	02 30 33.0	1.7		
			S	02 31 31.0	2.2		
			LN			3.0	6.20
WMQ	14.8	55	-iP	02 32 36.1	-1.2		
			sP	02 33 30.0	2.7		
			eS	02 35 16.0	-0.1		
LSA	18.3	106	+iP	02 33 20.9	2.0		
GTA	23.0	74	+iP	02 34 06.6	1.6		
			eS	02 37 51.5	-6.2		
			ScS	02 44 51.0	-1.3		
LZH	26.5	81	eP	02 34 39.5	1.3		
CD2	27.9	92	P	02 34 50.5	0.3		
KMI	29.5	104	+P	02 35 04.5	-0.8		
XAN	31.0	83	+P	02 35 17.4	-1.0		
GYA	32.0	98	P	02 35 26.4	-0.4		
TIY	33.0	75	-iP	02 35 35.7	0.5		
BJI	35.4	70	eP	02 35 57.0	0.9		
WHN	36.5	87	P	02 36 05.8	0.8		
NJ2	39.6	82	eP	02 36 31.0	0.4		

JAN 19d 03h 25m 20.7 ± 0.07s, SD0.93 / 97  
 4.25 N ± 0.86km, 124.76 E ± 1.33km, h336 ± 0.35km  
 Celebes Sea (262)  
 m<sub>b</sub>5.6 / 38, m<sub>b</sub>5.7 / 7,

QZN	20.7	316	-iP	03 29 37.5	1.0		
			PMZ	m <sub>b</sub> =6.2		5.0	5.00



		iPcP	03 33 34.4	1.2			LZH	37.1 331	-iP	03 32 02.5	0.8						
		S	03 33 08.0	5.4					PMZ								
QZH	21.4 345	-iP	03 29 44.0	0.5					PP	03 33 37.0	0.5						
		PMZ	$m_B = 6.2$	5.0	4.90				PcP	03 34 16.0	1.7						
		iS	03 33 19.0	3.3					S	03 37 25.0	2.7						
		SMN	$m_B = 5.5$	6.0	2.23				SMN	$m_B = 5.6$	7.0	1.64					
		SME		6.0	3.46		SNY	37.4 359	-iP	03 32 03.5	-0.9						
GZH	21.7 331	-iP	03 29 47.5	0.9					PcP	03 34 15.2	-0.2						
		iS	03 33 24.0	2.7					S	03 37 27.0	-0.5						
		SMN	$m_B = 5.5$	8.0	4.00		HHC	38.3 344	+iP	03 32 11.2	-0.7						
		SME		7.0	1.94				pP	03 33 16.0	-1.6						
SSE	26.9 353	+P	03 30 33.5	-0.7					S	03 37 40.5	-0.3						
		PMZ	$m_B = 5.6$	4.0	0.95		CN2	39.4 1	+P	03 32 18.5	-2.1						
		S	03 34 47.0	2.0					PMZ	$m_B = 5.3$	2.0	0.30					
		SMN	$m_B = 5.0$	8.0	0.70				sP	03 34 00.0	-4.2						
		sS	03 36 32.0	-3.7					iPcP	03 34 22.0	0.4						
		LN		10.0	0.60				iScP	03 37 39.0	2.7						
		LZ		16.0	1.33				S	03 37 54.0	-2.7						
WHN	27.9 341	-iP	03 30 44.0	0.7					SMN	$m_B = 5.1$	6.0	0.40					
		PMZ	$m_B = 6.0$	4.0	2.20				ScS	03 41 54.0	5.4						
		PcP	03 33 49.5	0.5			LSA	40.6 312	-P	03 32 31.0	-0.2						
		S	03 35 00.0	-1.2					pP	03 33 35.0	-2.2						
		SMN	$m_B = 5.5$	6.0	1.60				iS	03 38 17.0	0.3						
		sS	03 36 56.0	3.3					sS	03 40 08.0	-5.0						
		ScP	03 36 59.5	3.3					SMN	$m_B = 5.5$	9.0	1.49					
		PcS	03 37 31.5	2.1			GTA	41.7 331	-iP	03 32 39.2	0.0						
GYA	28.1 324	-P	03 30 45.0	0.4					PMZ	$m_B = 5.8$	4.0	2.11					
		pP	03 31 44.0	-2.4					pP	03 33 46.0	0.2						
		S	03 35 06.0	2.8					PcP	03 34 29.6	0.6						
		SMN	$m_B = 5.6$	6.0	1.90				ScP	03 37 48.0	2.7						
NJ2	28.2 349	-iP	03 30 45.0	-0.7					PcS	03 38 18.6	0.0						
		PMZ	$m_B = 5.7$	3.5	0.95				S	03 38 30.5	0.6						
		iPcP	03 33 50.5	0.9					SMN	$m_B = 5.5$	7.0	0.79					
		S	03 35 06.0	0.5					SME		9.0	0.58					
KMI	29.6 317	-iP	03 30 59.5	1.0					sS	03 40 26.0	-2.6						
		pP	03 32 05.0	3.8					SS	03 41 49.0	6.9						
		iS	03 35 31.0	1.8					ScS	03 42 03.2	1.0						
TIA	32.6 348	-P	03 31 22.6	-1.0			WMQ	51.2 326	+iP	03 33 53.0	0.1						
		PMZ	$m_B = 5.6$	5.0	1.37				pP	03 34 59.0	-3.4						
		PcP	03 34 01.7	0.5					sP	03 35 35.0	-3.9						
		ScP	03 37 14.0	2.6					ScP	03 38 29.4	4.6						
		PcS	03 37 47.2	2.6					ScS	03 43 06.0	1.7						
		S	03 36 15.1	1.5			KSH	56.3 316	-iP	03 34 31.0	0.9						
		SMN	$m_B = 5.4$	6.0	1.01				PMZ		3.0	2.40					
		sS	03 38 06.0	-2.2					pP	03 35 41.0	-0.2						
		SS	03 38 39.0	-1.7					ePcS	03 39 19.0	-1.9						
		LN		10.0	0.39				S	03 41 58.0	6.0						
CD2	33.1 326	-iP	03 31 27.9	-0.1					SMN	$m_B = 5.8$	6.0	1.80					
		PMZ	$m_B = 6.0$	1.3	0.78				<p>JAN 19d 07h 30m <math>31.9 \pm 0.13s</math>, <math>SD1.60 / 98</math>  <math>24.66 S \pm 2.68km</math>, <math>70.44 W \pm 4.25km</math>, <math>h29 \pm 0.82km</math>                      Near coast of Northern Chile (122)  <math>M_s 7.1 / 44</math>, <math>m_B 6.7 / 19</math>,</p>								
		sP	03 33 06.0	-4.3			KSH	148.1 54					iPKP	07 50 14.0	1.2		
		PcP	03 34 02.6	0.0									PP	07 53 47.0	0.1		
		iS	03 36 26.0	3.5									LN	$M_s = 7.4$	25.0	53.8	
DL2	34.6 356	-iP	03 31 40.5	-0.3				WMQ					153.8 38	PKP	07 50 21.7	0.3	
		PcP	03 34 08.0	1.0									PKP2	07 50 48.8	5.4		
		eS	03 36 45.0	-0.7									PP	07 54 20.0	0.5		
TIY	35.2 343	-iP	03 31 45.0	-0.5									LN	$M_s = 7.4$	20.0	27.7	
		PMZ	$m_B = 5.6$	5.0	1.45								LE		20.0	29.5	
		PP	03 33 15.0	0.3									LZ	$M_s = 7.5$	24.0	81.1	
		S	03 36 56.0	2.8				MDJ	154.3 326	+PKP	07 50 21.5	-0.4					
		SME	$m_B = 5.6$	3.5	0.85				PP	07 54 20.0	-1.9						
		PcS	03 37 56.0	2.2					SKS	07 57 28.0	5.5						
		sS	03 38 51.0	2.3					SKKS	08 01 06.0	0.7						
BJI	36.5 349	-P	03 31 55.5	-0.8					SS	08 14 00.0	4.2						
		ePP	03 33 30.0	1.0					LE	$M_s = 6.9$	18.0	12.3					
		PcP	03 34 13.5	1.1													
		eS	03 37 14.0	0.1													
		ScP	03 37 29.0	3.8													
		ScS	03 41 36.5	4.8													







Djailolo Gilolo (Halmahera) (267)						GTA 47.4 330 -P 02 16 18.7 -0.1					
WHN	33.7	339	eP	10 38 33.5	1.4	JAN 20d 05h 10m 09.6 ± 0.11s, SD2.89 / 8					
XAN	38.9	335	P	10 39 15.7	-0.6	47.99 N ± 0.83km, 121.73 E ± 0.94km, h13 ± km					
TIY	40.9	341	+P	10 39 32.3	-0.2	North-Eastern China (658)					
BJI	42.0	347	eP	10 39 40.5	-1.3	M <sub>L</sub> 3.2 / 7,					
LZH	42.9	331	eP	10 39 50.5	0.9	JAN 20d 06h 19m 30.0 ± 0.50s, SD2.33 / 19					
LSA	46.2	314	P	10 40 16.7	0.2	24.99 N ± 4.24km, 125.10 E ± 3.00km, h10 ± km					
GTA	47.5	331	eP	10 40 26.0	-0.1	South-western Ryukyu Islands (246)					
JAN 19d 12h 32m 05.3 ± 0.06s, SD0.93 / 28						M <sub>g</sub> 4.3 / 4, M <sub>L</sub> 4.2 / 4, m <sub>b</sub> 4.6 / 1,					
5.74 S ± 0.53km, 130.79 E ± 0.83km, h114 ± 0.57km						SSE 7.0 331 eP 06 21 16.5 1.2					
Banda Sea (280)						SMN M <sub>L</sub> = 4.1 1.2 0.089					
XAN	44.6	334	P	12 40 08.0	-0.6	SME 1.2 0.095					
TIY	46.5	340	eP	12 40 22.7	-0.6	WHN 11.0 303 eP 06 22 07.5 -3.4					
BJI	47.5	345	eP	12 40 31.0	-0.1	LE M <sub>g</sub> = 4.2 10.0 0.90					
LSA	51.8	315	+P	12 41 04.6	-0.3	XAN 16.7 306 P 06 23 27.6 1.5					
GTA	53.3	330	P	12 41 15.0	-0.1	LE M <sub>g</sub> = 4.2 8.0 0.41					
			pP	12 41 42.6	1.2	CN2 18.8 1 eP 06 23 53.0 1.2					
WMQ	62.8	326	P	12 42 22.0	0.5	LZH 21.3 306 eP 06 24 23.0 2.9					
			pP	12 42 49.0	0.3	GTA 25.7 310 P 06 25 00.0 -2.3					
JAN 19d 20h 00m 21.3 ± 0.13s, SD2.43 / 7						PMZ m <sub>b</sub> = 4.6 2.0 0.049					
37.81 N ± 0.94km, 112.56 E ± 1.31km, h14 ± 0.85km						LN M <sub>g</sub> = 4.4 13.0 0.47					
North-Eastern China (658)						JAN 20d 10h 49m 09.0 ± 0.23s, SD2.23 / 64					
M <sub>L</sub> 3.0 / 7,						25.42 N ± 1.88km, 124.75 E ± 1.92km, h11 ± 0.33km					
TIY	0.1	225	+iPg	20 00 25.9	1.1	South-western Ryukyu Islands (246)					
			Sg	20 00 30.1	2.8	M <sub>s</sub> 5.0 / 38, M <sub>L</sub> 4.8 / 3, m <sub>b</sub> 5.1 / 7,					
			SMN	M <sub>L</sub> = 2.6	1.0 1.02	QZH 5.6 266 ePn 10 50 35.0 2.4					
			SME		1.0 1.63	Sn 10 51 38.0 -1.1					
HHC	3.1	346	ePg	20 01 15.3	-1.5	LN M <sub>s</sub> = 4.3 8.0 2.81					
			Sg	20 01 52.6	-6.8	SSE 6.5 332 eP 10 50 43.0 -3.8					
			SMN	M <sub>L</sub> = 3.2	0.6 0.10	S 10 52 07.0 5.8					
			SME		0.4 0.090	SMN M <sub>L</sub> = 4.8 1.2 0.56					
BTO	3.4	325	ePg	20 01 19.0	-2.8	SME 1.2 0.62					
			eSg	20 02 02.1	-6.2	LZ M <sub>g</sub> = 4.8 11.0 8.30					
JAN 19d 23h 49m 02.6 ± 0.08s, SD1.05 / 55						NJ2 8.4 323 eP 10 51 13.4 -0.3					
0.05 S ± 0.87km, 129.97 E ± 1.64km, h56 ± 0.72km						S 10 52 48.0 -1.2					
Djailolo Gilolo (Halmahera) (267)						LN M <sub>s</sub> = 5.1 9.0 7.43					
m <sub>b</sub> 5.0 / 1,						LE 9.0 6.61					
NJ2	33.6	343	eP	23 55 41.0	0.8	WHN 10.5 301 eP 10 51 43.0 0.0					
WHN	33.9	335	P	23 55 43.5	1.2	eS 10 53 41.5 -0.4					
GYA	34.6	321	P	23 55 50.0	1.0	LN M <sub>s</sub> = 5.0 10.0 6.80					
KMI	36.3	316	+P	23 56 05.0	1.4	LZ M <sub>s</sub> = 4.9 14.0 7.70					
XAN	39.2	332	P	23 56 27.4	-0.4	GZH 10.7 260 -P 10 51 47.0 2.0					
TIY	40.9	339	-P	23 56 41.9	0.2	LN M <sub>s</sub> = 4.6 11.0 2.70					
BJI	41.8	344	eP	23 56 48.0	-1.2	LE 11.0 1.08					
SNY	42.1	353	+P	23 56 51.8	0.6	DL2 13.7 350 eP 10 52 23.0 -3.0					
LZH	43.4	329	eP	23 57 05.0	3.0	eS 10 54 53.0 -6.4					
			PMZ	m <sub>b</sub> = 5.0	2.0 0.049	LN M <sub>s</sub> = 5.0 12.0 3.37					
CN2	43.8	355	eP	23 57 05.3	-0.3	LE 12.0 4.07					
BTO	44.3	338	eP	23 57 07.9	-1.8	QZN 15.2 248 eP 10 52 44.0 -1.5					
LSA	47.4	312	-P	23 57 33.6	-0.3	eS 10 55 32.0 -2.6					
GTA	48.0	328	P	23 57 38.5	-0.1	LN M <sub>s</sub> = 4.6 16.0 2.00					
WMQ	57.6	325	+P	23 58 50.5	0.3	LE 15.0 1.20					
KSH	63.0	315	eP	23 59 28.0	1.0	TIY 16.1 322 +P 10 52 57.5 -0.1					
JAN 20d 02h 07m 44.7 ± 0.08s, SD1.32 / 22						sP 10 53 09.0 3.3					
0.59 S ± 0.95km, 127.99 E ± 1.99km, h32 ± 0.53km						LN M <sub>s</sub> = 5.1 12.0 1.74					
Djailolo Gilolo (Halmahera) (267)						LE 10.0 3.79					
m <sub>b</sub> 5.0 / 1,						LZ M <sub>s</sub> = 4.7 16.0 3.69					
GYA	33.9	324	P	02 14 27.4	0.5	XAN 16.2 306 eP 10 52 58.0 -0.6					
XAN	38.8	334	P	02 15 08.8	0.0	eS 10 56 04.0 5.6					
CD2	38.9	326	P	02 15 09.6	0.3	LN M <sub>s</sub> = 4.9 12.0 2.56					
TIY	40.7	341	eP	02 15 24.5	-0.2	LE 14.0 2.05					
BJI	41.9	346	eP	02 15 31.0	-2.8	BJI 16.3 336 eP 10 53 00.0 0.8					
LZH	42.9	331	eP	02 15 43.5	1.2	eS 10 56 03.0 3.5					
			PMZ	m <sub>b</sub> = 5.0	2.0 0.049	LN M <sub>s</sub> = 5.0 11.0 2.66					
						LE 11.0 1.63					



GYA	16.3	278	LZ	$M_s=4.7$	15.0	3.40	TIA	12.6	331	eP	12 50	18.0	-5.3			
			P	10 53 05.0	5.0					eS	12 52	45.0	0.8			
			sP	10 53 11.8	3.7					LN		$M_s=4.8$	10.0	2.10		
			LN		$M_s=5.1$	10.0	1.80			LE			10.0	2.48		
			LE			10.0	3.70	DL2	13.8	350	eP	12 50	39.0	0.4		
SNY	16.4	357	+P	10 53 02.0	1.0					eS	12 53	11.0	-0.9			
			eS	10 56 07.0	4.1					LN		$M_s=4.3$	12.0	0.67		
			LN		$M_s=5.1$	9.0	1.40			LE			12.0	0.68		
			LE			11.0	3.65	TIY	16.2	323	eP	12 51	12.9	3.6		
			LZ		$M_s=4.8$	11.0	2.91			S	12 54	11.0	4.3			
CN2	18.3	2	eP	10 53 26.0	0.5					LE		$M_s=4.8$	10.0	2.01		
			PMZ		$m_b=5.0$	6.0	0.40			LZ		$M_s=4.5$	15.0	2.13		
			pP	10 53 34.0	3.8			BJI	16.3	336	eP	12 51	12.0	0.7		
			eS	10 56 47.0	-0.5					eS	12 54	12.0	0.9			
			SMN		$m_b=5.1$	8.0	0.60			LN		$M_s=4.6$	11.0	1.48		
			SME			8.0	0.60			LZ		$M_s=4.4$	16.0	1.82		
			LE		$M_s=4.9$	12.0	2.20	SNY	16.5	357	+P	12 51	10.0	-3.6		
			LZ		$M_s=4.7$	11.0	1.90			LN		$M_s=4.9$	16.0	1.16		
HHC	18.9	328	eP	10 53 31.3	-1.2					LE			17.0	4.23		
			S	10 56 56.5	-2.9					LZ		$M_s=4.7$	14.0	2.65		
			LN		$M_s=5.0$	13.0	2.10	CN2	18.5	2	eP	12 51	38.5	0.4		
			LE			13.0	2.10			epP	12 51	45.0	-0.3			
CD2	19.3	291	P	10 53 36.2	-0.7					eS	12 55	02.0	2.0			
			LE		$M_s=5.3$	8.0	3.44			SMN		$m_b=4.8$	7.0	0.30		
			LZ		$M_s=5.1$	9.0	3.89			LN		$M_s=4.9$	11.0	2.30		
BTO	19.5	325	P	10 53 38.5	-0.8					LZ		$M_s=4.5$	12.0	1.40		
			pP	10 53 46.0	2.0			HHC	19.0	328	eP	12 51	44.0	-0.3		
			eS	10 57 09.5	-4.0					S	12 55	09.5	-0.9			
			LN		$M_s=4.9$	12.0	1.70			LN		$M_s=4.7$	13.0	1.26		
			LE			13.0	1.90			LE			13.0	1.00		
			LZ		$M_s=4.7$	12.0	1.90	CD2	19.3	292	eP	12 51	48.0	0.5		
MDJ	19.6	10	eP	10 53 44.7	4.9					eS	12 55	19.0	1.2			
			S	10 57 20.0	5.9					LE		$M_s=5.0$	8.0	1.72		
			LZ		$M_s=5.0$	12.0	3.70			LZ		$M_s=4.9$	7.0	1.91		
KMI	19.9	274	+P	10 53 44.0	-0.1			BTO	19.5	325	eP	12 51	46.0	-4.8		
			pP	10 53 53.0	4.1					LN		$M_s=4.7$	12.0	1.00		
			S	10 57 21.0	-0.8					LE			13.0	1.00		
			LN		$M_s=4.9$	11.0	2.03			LZ		$M_s=4.5$	12.0	1.10		
LZH	20.8	306	eP	10 53 53.0	-0.8			MDJ	19.7	11	eP	12 51	55.0	2.8		
			PMZ		$m_b=4.8$	2.0	0.093			LZ		$M_s=4.7$	13.0	2.10		
			eS	10 57 39.0	-2.6			KMI	19.8	274	+P	12 51	55.0	0.9		
			sS	10 57 50.0	0.4					sP	12 52	06.0	0.1			
			LE		$M_s=5.0$	14.0	2.94			LN		$M_s=5.0$	14.0	2.90		
GTA	25.2	310	eP	10 54 34.6	-1.7			LZH	20.8	306	eP	12 52	06.0	1.4		
			pP	10 54 42.0	0.5					PMZ		$m_b=4.6$	2.5	0.070		
			PP	10 55 12.5	-0.9					eS	12 55	53.0	2.2			
			eS	10 58 56.0	-2.8					sS	12 56	00.5	-2.8			
			sS	10 59 05.0	-2.4					LN		$M_s=4.8$	12.0	1.02		
			LN		$M_s=5.1$	13.0	2.43			LE			11.0	1.25		
			LZ		$M_s=4.8$	16.0	2.14	GTA	25.2	310	eP	12 52	45.2	-1.9		
WMQ	35.2	311	P	10 56 08.0	2.1					eS	12 57	02.0	-6.0			
										LN		$M_s=4.9$	13.0	1.56		
										LZ		$M_s=4.7$	14.0	1.47		
<p>JAN 20d 12h 47m 22.5 ± 0.31s, SD2.62 / 44                      25.30 N ± 2.63km, 124.65 E ± 2.42km, h30 ± 0.31km                      South-western Ryukyu Islands (246)  <math>M_s 4.8 / 26, m_b 5.0 / 5, m_b 4.6 / 1,</math></p>							<p>JAN 20d 15h 01m 28.9 ± 0.09s, SD1.57 / 62                      24.50 S ± 3.69km, 70.73 W ± 4.51km, h27 ± 0.60km                      Off coast of Northern Chile (121)  <math>M_s 5.7 / 8, m_b 5.5 / 1,</math></p>									
QZH	5.5	268	ePn	12 48 45.0	2.1			KSH	148.2	54	PKP	15 21	14.0	3.7		
SSE	6.5	333	P	12 48 55.2	-3.9					ePP	15 24	43.0	-1.8			
NJ2	8.4	324	eP	12 49 30.8	5.1					LE		$M_s=6.1$	14.0	1.50		
			S	12 51 05.0	4.4					MDJ	154.0	326	PKP	15 21	14.0	-4.8
			LN		$M_s=4.8$	9.0	4.13			PKP2	15 21	38.0	-3.4			
			LE			9.0	3.50			PP	15 25	15.0	-2.7			
			LZ		$M_s=4.3$	8.0	1.43			SKKS	15 32	00.0	-1.2			
WHN	10.5	302	eP	12 49 52.5	-1.7					LZ		$M_s=5.9$	23.0	1.90		
			eS	12 51 50.0	-1.9					CN2	156.6	329	ePKP	15 21	22.0	-0.3
			sS	12 52 01.5	-1.1											
			LE		$M_s=4.8$	10.0	3.70									
			LZ		$M_s=4.6$	16.0	4.10									









		eS	21 08 28.0	-1.1		
		LN	$M_s = 5.0$	13.0	0.56	
		LZ	$M_s = 4.8$	26.0	0.93	
XAN	58.5	40	P	21 00 44.1	-1.2	
WHN	60.1	47	eP	21 00 54.5	-2.0	
TIY	63.0	39	+P	21 01 15.6	-0.5	
		S	21 09 46.0	2.3		
		LN	$M_s = 5.2$	16.0	0.78	
		LZ	$M_s = 4.7$	22.0	0.65	
BTO	63.4	35	eP	21 01 18.0	-0.7	
		eS	21 09 50.0	-0.1		
		LN	$M_s = 5.0$	13.0	0.30	
		LE		13.0	0.30	
TIA	65.2	43	eP	21 01 29.3	-0.9	
SSE	65.4	50	eP	21 01 32.0	0.1	
		S	21 10 20.0	5.9		
		LE	$M_s = 5.2$	20.0	0.92	
BJI	66.7	39	eP	21 01 40.0	-0.1	
		eS	21 10 28.0	-2.9		
		eSS	21 14 48.0	-0.9		
DL2	69.6	43	eP	21 02 00.0	1.7	
		S	21 11 06.0	1.7		
SNY	72.4	41	eP	21 02 14.5	-0.5	
		S	21 11 38.0	1.6		
CN2	74.6	40	eP	21 02 27.0	-0.7	
		LN	$M_s = 5.1$	22.0	0.70	
MDJ	77.6	40	eP	21 02 44.0	-0.8	

		pP	08 33 54.0	0.6		
		S	08 42 58.0	3.4		
		LN	$M_s = 5.8$	18.0	1.80	
		LE		18.0	2.09	
MDJ	71.7	332	+IP	08 33 42.5	0.0	
		PP	08 36 18.0	-4.5		
		S	08 42 55.0	-1.3		
		LZ	$M_s = 5.8$	30.0	7.30	
TIA	72.4	319	eP	08 33 46.2	-0.9	
		PMZ	$m_B = 5.9$	7.0	1.05	
		eS	08 43 09.0	2.3		
		SMN	$m_B = 5.6$	11.0	0.66	
		LN	$M_s = 5.7$	17.0	1.15	
		LE		17.0	2.12	
		LZ	$M_s = 5.5$	17.0	2.17	
SNY	72.5	327	+IP	08 33 45.8	-1.6	
		PMZ	$m_B = 6.1$	6.0	1.55	
		S	08 43 11.0	5.1		
		SME		18.0	14.0	
		LN	$M_s = 5.8$	20.0	2.76	
		LE		20.0	1.66	
		LZ	$M_s = 5.5$	20.0	2.54	
CN2	73.0	329	+IP	08 33 50.0	-0.3	
		PMZ	$m_B = 6.1$	5.0	1.20	
		pP	08 33 59.8	-2.3		
		PP	08 36 30.0	-4.1		
		eS	08 43 10.0	-2.9		
		SMN	$m_B = 6.1$	8.0	0.90	
		SME		8.0	1.00	
		LN	$M_s = 5.7$	16.0	2.10	
		LZ	$M_s = 5.5$	27.0	3.40	
GYA	74.4	305	P	08 33 59.0	0.6	
		sP	08 34 13.0	-2.0		
		PP	08 36 45.0	-0.3		
		S	08 43 32.0	5.3		
		LE	$M_s = 5.7$	20.0	2.50	
BJI	75.4	321	+P	08 34 04.0	-0.5	
		PMZ	$m_B = 6.1$	6.0	1.56	
		eS	08 43 43.0	2.7		
		LN	$M_s = 5.7$	20.0	2.34	
		LZ	$M_s = 5.6$	24.0	3.89	
TIY	76.3	318	+P	08 34 10.0	0.3	
		PMZ		14.0	2.38	
		sP	08 34 24.0	-2.3		
		SMN	$m_B = 6.0$	12.0	1.11	
		SME		10.0	1.03	
		LN	$M_s = 6.1$	22.0	4.92	
		LE		20.0	2.96	
		LZ	$M_s = 5.8$	22.0	4.92	
XAN	76.6	313	P	08 34 10.5	-0.8	
		pP	08 34 24.0	1.0		
		PP	08 37 04.0	0.0		
		S	08 43 56.0	4.4		
		SMN	$m_B = 6.0$	12.0	1.54	
		SS	08 48 45.0	-5.4		
		LN	$M_s = 5.7$	22.0	2.67	
KMI	76.8	302	+IP	08 34 14.0	1.3	
		PMZ	$m_B = 6.1$	6.0	1.50	
		pP	08 34 27.0	2.8		
		SMN	$m_B = 6.2$	10.0	1.90	
		SME		10.0	0.74	
		LZ	$M_s = 5.5$	18.0	2.35	
HHC	78.7	320	+P	08 34 23.5	0.4	
		pP	08 34 34.0	-0.8		
		SMN	$m_B = 6.1$	8.0	0.84	
		SME		10.0	0.86	
		LN	$M_s = 5.9$	21.0	1.88	
		LE		21.0	3.24	

JAN 21d 08h 22m 22.7 ± 0.10s, SD0.99 / 90  
 18.13 S ± 1.66km, 168.17 E ± 1.60km, h44 ± 0.29km  
 Vanuatu (New Hebrides) (186)  
 $M_s 5.8 / 36, m_B 6.1 / 37, m_p 5.6 / 4,$

QZH	64.5	310	+P	08 32 57.0	-0.9	
		PMZ	$m_B = 6.1$	7.0	1.67	
		S	08 41 34.0	2.8		
		SMN	$m_B = 6.0$	10.0	1.84	
		SS	08 45 44.0	0.3		
		LN	$M_s = 5.7$	20.0	2.95	
SSE	66.6	317	+P	08 33 12.0	1.0	
		PMZ	$m_B = 6.0$	6.0	1.20	
		pP	08 33 22.7	-0.2		
		S	08 41 58.0	1.9		
		sS	08 42 16.0	-1.4		
		ScS	08 42 56.0	-3.3		
		SS	08 46 20.0	4.5		
		LN	$M_s = 5.7$	18.0	2.24	
		LE		18.0	1.51	
		LZ	$M_s = 6.0$	20.0	9.07	
GZH	67.4	305	+P	08 33 16.6	0.2	
		PMZ	$m_B = 6.1$	6.0	1.50	
		LE	$M_s = 5.9$	18.0	3.90	
QZN	68.1	300	eP	08 33 22.0	1.0	
		sP	08 33 35.0	-2.8		
		ePP	08 35 56.0	3.4		
		SMN	$m_B = 6.0$	10.0	1.80	
		LN	$M_s = 5.4$	15.0	1.20	
NJ2	68.7	316	+P	08 33 23.0	-1.5	
		S	08 42 23.0	1.3		
		LN	$M_s = 5.6$	17.0	1.24	
		LE		19.0	1.80	
		LZ	$M_s = 5.4$	19.0	1.99	
WHN	70.9	313	+P	08 33 37.0	-0.6	
		pP	08 33 48.0	-1.4		
		PP	08 36 12.0	-4.0		
		S	08 42 53.0	6.2		
		LE	$M_s = 5.7$	24.0	3.60	
		LZ	$M_s = 5.7$	22.0	4.70	
DL2	71.5	323	P	08 33 41.0	-0.6	



BTO	79.5	319	+P	08 34 28.0	0.5		
			sP	08 34 42.0	-2.0		
			PP	08 37 28.0	-0.4		
			S	08 44 27.5	4.7		
			LN	$M_s=5.8$	19.0	2.00	
			LE		19.0	2.10	
			LZ	$M_s=5.6$	19.0	3.00	
LZH	81.2	312	+P	08 34 37.5	0.9		
			PMZ	$m_b=6.2$	6.0	1.74	
			sP	08 34 51.5	-1.6		
			S	08 44 45.0	4.5		
			LE	$M_s=5.7$	22.0	2.64	
GTA	85.6	314	+iP	08 34 59.0	0.1		
			PMZ	$m_b=6.0$	7.0	1.18	
			S	08 45 21.0	-3.5		
			SME		18.0	7.47	
			LE	$M_s=6.2$	19.0	6.47	
LSA	88.1	302	eP	08 35 10.6	-0.5		
WMQ	95.7	314	P	08 35 46.0	0.0		
			PP	08 39 39.0	0.3		
			SKS	08 46 20.0	4.4		
			LZ	$M_s=5.9$	22.0	4.26	
KSH	103.0	308	eP	08 36 20.0	1.1		
			ePP	08 40 38.0	2.9		
			eS	08 48 02.0	3.5		

QZH	20.8	271	eP	16 22 19.0	1.0		
			S	16 26 00.0	0.8		
			SME	$m_b=5.1$	8.0	0.36	
SNY	21.3	321	eP	16 22 24.0	0.4		
TIA	23.0	301	eP	16 22 40.8	0.8		
WHN	24.3	286	eP	16 22 54.0	1.9		
TIY	27.0	302	eP	16 23 18.6	0.4		
XAN	29.1	293	P	16 23 35.8	-1.3		
GYA	31.2	278	P	16 23 55.0	-0.6		
CD2	33.4	287	P	16 24 13.8	-0.5		
LZH	33.5	296	eP	16 24 14.5	-0.9		
GTA	37.1	301	P	16 24 43.8	-1.9		
LSA	44.3	286	eP	16 25 45.0	-0.9		
WMQ	46.5	306	P	16 26 02.0	-0.8		

JAN 21d 18h 56m  $25.5 \pm 0.21s$ , SD3.32 / 13  
 $26.90 N \pm 2.03km$ ,  $103.29 E \pm 1.20km$ ,  $h24 \pm 0.50km$   
 Sichuan Province (307)  
 $M_L 3.1 / 4$ ,

GYA	3.0	98	Pn	18 57 13.0	0.1		
CD2	4.0	6	Pn	18 57 26.1	0.0		
			Pg	18 57 37.8	1.3		
			Sg	18 58 24.5	-6.9		
			SMN	$M_L=3.4$	0.6	0.060	
			SME		0.6	0.090	
XAN	8.6	33	P	18 58 35.6	3.8		
NJ2	14.5	66	+P	18 59 55.0	3.7		

JAN 21d 19h 36m  $09.4 \pm 0.08s$ , SD0.94 / 31  
 $51.32 N \pm 1.84km$ ,  $174.24 W \pm 0.97km$ ,  $h28 \pm 0.94km$   
 Andreanof Islands (7)

CN2	40.4	284	eP	19 43 46.5	-0.3		
SNY	42.6	282	-P	19 44 06.0	0.8		
BJI	48.2	285	eP	19 44 50.0	0.3		
TIY	51.9	285	eP	19 45 18.7	0.4		
XAN	56.5	284	P	19 45 51.4	-0.4		
GTA	58.2	295	-P	19 46 03.1	-1.2		
LSA	70.1	293	+P	19 47 22.8	0.4		

JAN 21d 21h 33m  $26.6 \pm 0.14s$ , SD1.00 / 21  
 $51.39 N \pm 2.08km$ ,  $174.12 W \pm 0.98km$ ,  $h39 \pm 1.48km$   
 Andreanof Islands (7)

SNY	42.7	282	-P	21 41 22.0	0.5		
BJI	48.2	285	eP	21 42 05.0	-0.9		
TIY	52.0	285	-P	21 42 35.0	0.5		
GTA	58.3	295	P	21 43 18.8	-1.5		
LSA	70.2	293	+P	21 44 38.5	0.1		

JAN 22d 00h 35m  $57.1 \pm 0.12s$ , SD1.11 / 94  
 $19.84 S \pm 2.14km$ ,  $133.83 E \pm 1.69km$ ,  $h4 \pm 0.16km$   
 Northern Territory, Australia (591)  
 $M_s 6.2 / 45$ ,  $m_b 6.5 / 66$ ,  $m_b 6.2 / 6$ ,

QZN	45.2	327	+P	00 44 18.0	0.3		
			PMZ	$m_b=6.7$	5.0	5.80	
			PcP	00 45 59.0	1.4		
			PP	00 46 03.0	-0.6		
			S	00 50 56.0	-1.0		
			SS	00 54 16.5	5.3		
			LE	$M_s=5.9$	17.0	8.00	
QZH	46.9	341	+P	00 44 31.0	-0.1		
			PMZ	$m_b=6.7$	5.0	6.43	
			sP	00 44 42.0	3.7		
			PP	00 46 19.0	-1.6		
			S	00 51 17.0	-4.2		
			SMN	$m_b=6.7$	8.0	5.49	
			SME		8.0	6.11	
			SS	00 54 41.0	0.5		
GZH	47.1	334	+iP	00 44 33.3	0.7		

JAN 21d 14h 00m  $48.1 \pm 0.06s$ , SD1.14 / 50  
 $45.21 N \pm 1.95km$ ,  $150.25 E \pm 1.20km$ ,  $h36 \pm 0.37km$   
 Kurile Islands (221)  
 $m_b 5.0 / 2$ ,

MDJ	14.7	275	eP	14 04 17.0	2.0		
CN2	17.7	274	eP	14 04 54.0	-0.2		
SNY	19.6	270	+P	14 05 16.0	-0.4		
BJI	25.5	270	eP	14 06 14.0	-0.9		
TIA	26.5	262	eP	14 06 25.8	1.1		
SSE	26.7	248	+P	14 06 27.0	0.9		
			PMZ	$m_b=4.8$	1.0	0.023	
NJ2	27.6	253	-P	14 06 34.6	-0.2		
HHC	28.4	275	P	14 06 41.3	-0.8		
TIY	29.1	269	-iP	14 06 48.0	-0.1		
BTO	29.6	275	eP	14 06 51.7	-1.0		
WHN	31.6	255	+P	14 07 09.6	-0.6		
			pP	14 07 15.5	-4.3		
XAN	33.4	265	P	14 07 24.7	-1.2		
LZH	35.9	272	eP	14 07 47.5	-0.3		
			PMZ	$m_b=5.1$	1.0	0.035	
GTA	37.2	279	-iP	14 07 58.0	-0.8		
			PcP	14 10 18.7	1.1		
CD2	38.8	265	P	14 08 11.1	-0.2		
GYA	39.4	257	P	14 08 17.0	0.1		

JAN 21d 15h 31m  $36.8 \pm 0.07s$ , SD2.51 / 8  
 $24.22 N \pm 0.69km$ ,  $98.44 E \pm 1.11km$ ,  $h31 \pm 1.31km$   
 Burma-China border region (297)  
 $M_s 3.6 / 1$ ,  $M_L 3.9 / 3$ ,

KMI	4.0	76	+Pg	15 32 50.0	1.9		
			LN	$M_s=3.6$	8.0	0.90	
GYA	7.8	72	Pn	15 33 30.6	2.3		

JAN 21d 16h 17m  $42.4 \pm 0.07s$ , SD1.15 / 52  
 $26.44 N \pm 1.32km$ ,  $141.59 E \pm 1.32km$ ,  $h93 \pm 0.30km$   
 Volcano Islands region (213)  
 $m_b 5.1 / 1$ ,  $m_b 4.9 / 4$ ,

SSE	18.5	289	P	16 21 54.5	1.0		
			PMZ	$m_b=4.7$	1.0	0.038	
			sP	16 22 24.0	2.2		
			eS	16 25 12.0	-1.1		
NJ2	20.6	291	-P	16 22 18.0	1.8		





		PMZ	$m_B = 6.6$	5.0	4.57	TIY	60.7	341	+P	00 46	11.4	-1.1		
		S	00 51 20.0	-4.0					PMZ		$m_B = 6.6$	5.0	3.79	
		SMN	$m_B = 6.4$	12.0	3.65				PP	00 48	23.5	-4.0		
		SME		12.0	5.50				S	00 54	25.0	-2.2		
		LN	$M_S = 6.1$	20.0	7.50				SMN			13.0	3.11	
		LE		16.0	8.30				SME			13.0	5.75	
SSE	52.1	346	+iP	00 45	11.0	0.2			SS	00 58	24.0	-2.8		
			PP	00 47	14.0	5.0			LZ		$M_S = 5.8$	26.0	10.3	
			S	00 52	28.0	-5.1			eP	00 46	19.0	-1.0		
			SMN	$m_B = 6.4$	10.0	3.42			PMZ		$m_B = 6.5$	5.0	3.46	
			SME		10.0	3.22			eS	00 54	36.0	-6.6		
			ScS	00 54	59.0	1.2			LN		$M_S = 6.2$	19.0	8.04	
			SS	00 56	09.0	0.9			LE			19.0	5.15	
			LN	$M_S = 6.8$	16.0	11.3			+iP	00 46	20.0	-1.9		
			LE		17.0	44.7			PMZ		$m_B = 6.6$	5.0	3.76	
			LZ	$M_S = 6.2$	20.0	22.7			S	00 54	40.0	-5.0		
GYA	53.0	329	P	00 45	18.0	-0.2			SMN			14.0	6.66	
			PMZ	$m_B = 6.5$	4.0	3.10			SME			14.0	5.02	
			pP	00 45	25.0	2.4			SS	00 58	52.5	3.3		
			PcP	00 46	29.0	3.2			LN		$M_S = 6.0$	19.0	4.89	
			PP	00 47	19.0	0.4			LE			18.0	4.49	
			ScP	00 50	26.0	3.4			LZ		$M_S = 6.0$	26.0	13.2	
			SME	$m_B = 6.5$	9.0	5.10			+iP	00 46	25.0	0.5		
			ScS	00 55	08.0	3.6			PMZ		$m_B = 6.7$	5.0	5.33	
			LN	$M_S = 6.0$	22.0	5.50			S	00 54	52.5	3.0		
			LE		22.0	7.70			ScS	00 56	17.0	4.2		
WHN	53.5	339	+iP	00 45	22.0	0.7			LE		$M_S = 5.8$	16.0	3.60	
			PMZ	$m_B = 6.8$	5.0	6.50			+iP	00 46	32.0	-1.2		
			PP	00 47	20.0	-2.8			PMZ		$m_B = 6.6$	5.0	4.20	
			iS	00 52	50.0	-3.3			pP	00 46	35.0	-2.9		
			SMN	$m_B = 6.7$	7.0	7.40			eS	00 55	03.0	-4.7		
			LE	$M_S = 5.8$	11.0	3.30			SMN		$m_B = 6.5$	9.0	3.40	
			LZ	$M_S = 6.0$	48.0	33.8			SME			9.0	2.90	
NJ2	53.6	344	+iP	00 45	21.5	-0.3			LE		$M_S = 6.1$	16.0	6.50	
			PMZ	$m_B = 6.5$	5.0	3.50			LZ		$M_S = 6.2$	21.0	18.0	
			iS	00 52	52.0	-2.3			+P	00 46	33.0	-0.6		
			LN	$M_S = 6.2$	18.0	5.97			PMZ		$m_B = 6.0$	5.0	1.04	
			LE		18.0	9.26			S	00 55	07.0	0.1		
			LZ	$M_S = 5.8$	20.0	8.24			SMN		$m_B = 6.5$	9.0	2.83	
KMI	54.0	325	+iP	00 45	26.0	1.0			SME			10.0	4.44	
			PMZ	$m_B = 6.6$	4.0	3.76			SS	00 59	20.0	3.8		
			PcP	00 46	27.0	-2.4			LN		$M_S = 6.1$	19.0	5.28	
			PP	00 47	28.0	1.1			LE			16.0	3.76	
			iS	00 53	00.0	-0.3			+iP	00 46	35.0	-0.3		
			SME	$m_B = 6.3$	9.0	3.52			PMZ		$m_B = 6.4$	6.0	3.20	
			LN	$M_S = 5.8$	16.0	4.10			sP	00 46	38.5	-3.8		
TIA	57.9	344	P	00 45	51.6	-1.9			S	00 55	09.0	-1.0		
			S	00 53	47.0	-4.7			SMN		$m_B = 6.3$	11.0	1.90	
			SMN	$m_B = 6.4$	9.0	2.54			SME			11.0	2.70	
			SME		9.0	3.31			SS	00 59	20.0	-0.1		
			ScS	00 55	43.5	4.1			LN		$M_S = 6.2$	19.0	8.50	
			LZ	$M_S = 5.5$	19.0	3.45			LE			19.0	5.40	
CD2	58.1	330	P	00 45	55.2	0.2			LZ		$M_S = 5.8$	19.0	5.70	
			iS	00 53	53.0	-2.7			+P	00 46	38.5	2.3		
			SME	$m_B = 6.7$	9.0	8.00			S	00 55	12.0	1.0		
			LE	$M_S = 6.2$	15.0	7.92			SMN		$m_B = 6.9$	6.0	4.11	
XAN	58.6	336	+P	00 45	57.0	-1.1			SME			6.0	6.63	
			PcS	00 50	51.0	3.5			+P	00 46	35.5	-0.8		
			S	00 53	56.0	-4.3			S	00 55	14.0	1.8		
			SMN	$m_B = 6.5$	9.0	3.13			ScS	00 56	30.0	3.5		
			SME		9.0	4.15			LZ		$M_S = 6.1$	47.0	30.7	
			ScS	00 55	44.0	-0.2			+iP	00 46	54.2	0.3		
			LN	$M_S = 6.0$	17.0	5.69			PMZ		$m_B = 6.7$	6.0	5.03	
DL2	59.5	349	+P	00 46	03.0	-1.6			iS	00 55	40.0	-7.0		
			PMZ	$m_B = 6.4$	6.0	2.80			SME		$m_B = 6.5$	10.0	4.25	
			S	00 54	11.0	-1.5			SS	01 00	03.0	-2.5		
			LN	$M_S = 6.3$	17.0	10.7			LE		$M_S = 6.5$	18.0	15.7	
			LE		17.0	6.08			LZ		$M_S = 5.7$	34.0	9.13	



Station	Mag	Time	Phase	Mag	Time	Phase	Mag	Time	Phase	Mag	Time	Phase
WMQ	76.1	327	+iP	00 47 49.5	0.6							
			PMZ		$m_B=6.8$	6.0	7.10					
			S	00 57 30.0	-0.9							
			LZ		$M_S=5.9$	28.0	9.38					
KSH	80.0	318	+iP	00 48 12.0	1.6							
			PMZ		$m_B=6.9$	5.0	5.70					
			ePP	00 51 09.0	-3.6							
			iS	00 58 16.0	1.4							
			SME		$m_B=6.9$	6.0	5.90					
			LN		$M_S=6.2$	18.0	6.70					
<p>JAN 22d 03h 57m <math>24.9 \pm 0.10s</math>, SD1.17 / 103  <math>19.80 S \pm 2.02km</math>, <math>133.92 E \pm 1.62km</math>, <math>h7 \pm 0.18km</math>                      Northern Territory, Australia (591)  <math>M_S 6.2 / 44</math>, <math>m_B 6.6 / 50</math>, <math>m_B 6.5 / 7</math>,</p>												
QZN	45.2	327	+P	04 05 45.5	0.4							
			PcP	04 07 27.0	2.1							
			PP	04 07 32.0	1.0							
			S	04 12 23.0	-1.0							
			SS	04 15 41.0	2.7							
			LE		$M_S=6.2$	18.0	16.5					
QZH	46.9	341	eP	04 05 59.0	0.8							
			PMZ		$m_B=6.6$	5.0	5.14					
			PP	04 07 50.0	2.3							
			SMN		$m_B=6.7$	9.0	5.78					
			SME			9.0	8.77					
GZH	47.1	334	+P	04 06 00.5	0.6							
			PMZ		$m_B=6.5$	5.0	3.80					
			S	04 12 51.0	0.1							
			SMN		$m_B=6.5$	8.0	3.20					
			SME			11.0	7.15					
			LN		$M_S=6.3$	18.0	12.9					
			LE			16.0	13.8					
SSE	52.1	346	+P	04 06 38.0	0.1							
			PMZ		$m_B=6.4$	6.0	3.38					
			S	04 13 56.0	-3.7							
			SMN		$m_B=6.4$	10.0	3.51					
			SME			14.0	5.22					
			ScS	04 16 26.0	1.5							
			SS	04 17 38.0	3.3							
			LZ		$M_S=6.3$	20.0	26.2					
GYA	53.0	329	+P	04 06 45.4	-0.1							
			PcP	04 07 54.2	1.1							
			PP	04 08 41.0	-4.9							
			ScP	04 11 46.0	-3.5							
			S	04 14 10.0	-3.2							
			LN		$M_S=6.3$	16.0	8.00					
			LE			16.0	10.3					
WHN	53.5	339	+P	04 06 49.0	0.5							
			PMZ		$m_B=6.8$	4.0	5.22					
			PP	04 08 52.0	2.1							
			S	04 14 16.0	-3.0							
			SMN		$m_B=6.9$	8.0	7.50					
			SME			8.0	8.82					
NJ2	53.5	344	-P	04 06 49.3	0.4							
			S	04 14 22.5	2.6							
			LZ		$M_S=5.9$	20.0	10.6					
			LN		$M_S=6.4$	19.0	8.73					
			LE			16.0	14.2					
KMI	54.0	325	+iP	04 06 53.5	1.1							
			PP	04 08 59.0	4.7							
			iS	04 14 28.0	0.6							
			SME		$m_B=6.5$	8.0	4.90					
			LE		$M_S=6.1$	16.0	8.20					
TIA	57.9	344	+P	04 07 19.4	-1.3							
			PcP	04 08 17.0	5.0							
			S	04 15 18.0	-0.3							
			SMN		$m_B=6.5$	9.0	3.37					
			SME									
			LN		$M_S=6.2$							
			LN		$M_S=6.2$							
			LZ		$M_S=5.5$	19.0	3.81					
CD2	58.1	329	+iP	04 07 21.8	-0.5							
			iS	04 15 23.0	0.4							
			SME		$m_B=6.8$	9.0	11.1					
			LE		$M_S=6.3$	17.0	14.0					
XAN	58.6	336	+P	04 07 24.4	-1.0							
DL2	59.5	349	-P	04 07 33.0	1.3							
			PcP	04 08 22.5	4.3							
			PP	04 09 43.0	-1.2							
			S	04 15 37.0	-2.1							
			LN		$M_S=6.5$	17.0	13.7					
			LE			17.0	10.7					
TIY	60.7	341	+P	04 07 39.0	-0.7							
			PMZ		$m_B=6.6$	5.0	3.79					
			PP	04 09 55.0	0.4							
			S	04 15 56.5	2.6							
			SME		$m_B=6.5$	9.0	4.89					
			SS	04 19 56.5	3.0							
			LZ		$M_S=6.0$	26.0	13.5					
BJI	61.8	345	+P	04 07 45.0	-2.2							
			PMZ		$m_B=6.4$	6.0	3.23					
			PP	04 10 00.0	-4.7							
			eS	04 16 04.0	-5.3							
			LN		$M_S=6.2$	18.0	9.78					
SNY	62.1	351	+iP	04 07 46.0	-3.0							
			PMZ		$m_B=6.5$	5.0	3.46					
			S	04 16 08.0	-3.5							
			SMN			15.0	8.14					
			SME			16.0	7.29					
			SS	04 20 22.0	6.3							
			LN		$M_S=6.2$	17.0	5.97					
			LE			18.0	8.46					
			LZ		$M_S=6.2$	20.0	18.9					
LZH	62.4	333	+iP	04 07 52.5	0.7							
			PMZ		$m_B=6.4$	4.0	1.82					
			ePcP	04 08 33.0	3.0							
			S	04 16 17.0	0.6							
			LN		$M_S=6.3$	16.0	8.80					
			LE			17.0	7.30					
CN2	63.8	353	-P	04 08 00.0	-0.3							
			PMZ		$m_B=6.6$	5.0	3.70					
			pP	04 08 03.0	-2.5							
			PP	04 10 19.0	-2.4							
			eS	04 16 32.0	-2.2							
			SMN		$m_B=6.6$	9.0	3.70					
			SME			9.0	4.00					
			LN		$M_S=6.2$	17.0	9.20					
			LZ		$M_S=6.4$	21.0	25.7					
HHC	63.8	341	-iP	04 08 04.0	3.2							
			PMZ			3.0	1.21					
			S	04 16 36.5	2.9							
			LN		$M_S=6.2$	18.0	7.01					
			LE			16.0	5.64					
BTO	64.1	340	P	04 08 02.0	-0.5							
			PMZ		$m_B=6.4$	6.0	3.00					
			pP	04 08 06.0	-1.6							
			PP	04 10 25.0	0.8							
			S	04 16 38.0	1.2							
			SMN		$m_B=6.4$	11.0	2.30					
			SME			11.0	3.90					
			SS	04 20 49.0	2.1							
			LN		$M_S=6.2$	18.0	8.10					
			LE			18.0	5.60					
			LZ		$M_S=5.8$	18.0	6.20					
LSA	6											





MDJ	64.2	357	+P	04 08 02.5	-0.8		
			PP	04 10 22.5	-3.0		
			S	04 16 41.0	2.4		
			ScS	04 17 57.0	3.9		
			LZ	$M_s = 6.3$	48.0	45.1	
GTA	67.0	332	+iP	04 08 22.0	0.8		
			PMZ	$m_B = 6.8$	5.0	5.26	
			iS	04 17 10.0	-3.9		
			SME	$m_B = 6.7$	10.0	6.87	
			SS	04 21 36.0	3.6		
			LN	$M_s = 6.3$	20.0	11.1	
			LZ	$M_s = 6.0$	22.0	10.5	
WMQ	76.1	327	+iP	04 09 17.2	1.0		
			PMZ	$m_B = 7.0$	4.0	7.45	
			S	04 19 02.0	4.1		
			LN	$M_s = 6.2$	18.0	7.22	
			LZ	$M_s = 6.1$	28.0	13.6	
KSH	80.1	318	iP	04 09 39.0	1.2		
			PMZ	$m_B = 7.0$	4.0	6.20	
			ePP	04 12 47.0	6.9		
			S	04 19 45.0	5.2		
			SME	$m_B = 6.9$	8.0	7.10	
			SKS	04 19 49.5	0.2		
			LE	$M_s = 6.4$	20.0	12.0	

JAN 22d 04h 18m 47.3 ± 0.07s, SD1.25 / 18  
 20.04 S ± 0.93km, 133.54 E ± 1.63km, h6 ± 0.10km  
 Northern Territory, Australia (591)

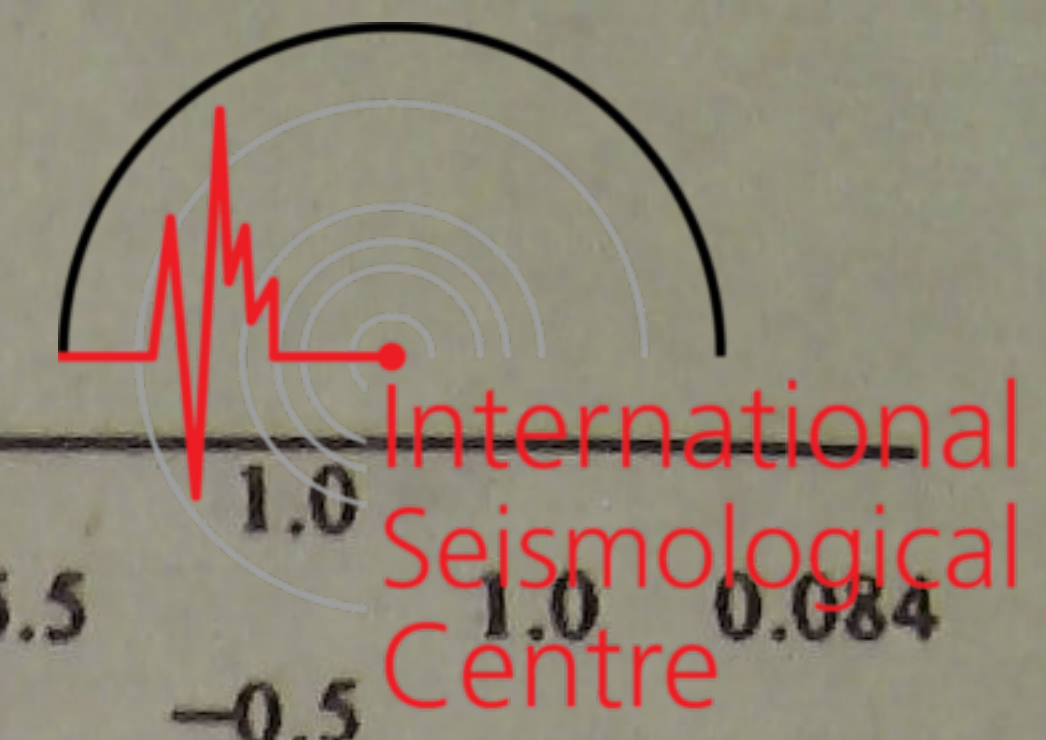
QZN	45.2	328	eP	04 27 08.0	0.2		
GYA	53.1	330	P	04 28 08.0	-0.3		
CD2	58.2	330	P	04 28 45.1	0.0		
GTA	67.0	332	+iP	04 29 44.5	0.4		

JAN 22d 12h 04m 57.7 ± 0.08s, SD0.86 / 95  
 19.76 S ± 1.97km, 133.94 E ± 1.29km, h5 ± 0.29km  
 Northern Territory, Australia (591)  
 $M_s 6.6 / 40, m_B 6.7 / 62, m_b 6.5 / 3,$

QZN	45.2	327	+iP	12 13 18.5	0.5		
			PMZ	$m_B = 6.9$	4.0	7.40	
			PcP	12 14 56.0	-2.0		
			PP	12 15 04.0	0.1		
			iS	12 19 58.0	-0.2		
			SS	12 23 12.0	0.8		
			LE	$M_s = 6.4$	19.0	26.4	
QZH	46.9	341	+iP	12 13 31.0	-0.1		
			PMZ	$m_B = 7.0$	5.0	11.1	
			PP	12 15 21.0	0.4		
			iS	12 20 15.0	-6.9		
			SMN	$m_B = 6.9$	9.0	10.3	
			SME		9.0	12.1	
GZH	47.1	334	+P	12 13 33.0	0.2		
			PMZ	$m_B = 6.6$	4.0	4.01	
			S	12 20 24.0	0.1		
			SMN	$m_B = 6.8$	12.0	8.63	
			SME		10.0	10.5	
SSE	52.0	346	-iP	12 14 11.5	0.7		
			PMZ	$m_B = 6.5$	8.0	5.89	
			PP	12 16 08.0	-0.9		
			iS	12 21 30.0	-3.8		
			SMN	$m_B = 6.7$	10.0	7.46	
			SME		10.0	7.81	
			ScS	12 23 59.0	1.3		
			SS	12 25 09.0	1.5		
			LN	$M_s = 6.6$	17.0	30.8	
			LE		17.0	10.2	
			LZ	$M_s = 6.5$	20.0	50.5	
GYA	53.0	329	+P	12 14 18.2	-0.3		
			PMZ	$m_B = 6.8$	4.0	5.10	

			PcP	12 15 27.0	0.8		
			PP	12 16 18.0	-0.9		
			ScP	12 19 27.0	4.2		
			S	12 21 48.0	1.8		
			LN	$M_B = 6.4$	17.0	9.50	
			LE		17.0	15.0	
WHN	53.4	339	+iP	12 14 22.5	1.1		
			PMZ	$m_B = 6.9$	6.5	10.8	
			PcP	12 15 29.0	1.2		
			PP	12 16 23.0	0.2		
			iS	12 21 50.0	-3.1		
			SMN	$m_B = 7.0$	8.0	11.9	
			SME		10.0	14.8	
			ScS	12 24 04.0	-3.5		
			LE	$M_B = 6.2$	13.0	8.30	
NJ2	53.5	344	+P	12 14 22.0	0.1		
			PMZ	$m_B = 6.6$	6.0	5.80	
			S	12 21 53.0	0.2		
			LZ	$M_s = 6.3$	18.0	22.3	
KMI	54.0	324	+iP	12 14 26.5	1.1		
			PMZ	$m_B = 6.8$	4.0	5.70	
			PcS	12 19 23.0	-4.5		
			iS	12 22 00.0	-0.5		
			SME	$m_B = 6.6$	10.0	8.50	
			LE	$M_s = 6.2$	16.0	10.4	
TIA	57.9	344	+iP	12 14 52.2	-1.4		
			PcP	12 15 47.0	2.0		
			S	12 22 47.0	-4.3		
			SMN	$m_B = 6.8$	9.5	6.09	
			SME		9.5	8.10	
			LN	$M_s = 6.6$	19.0	26.5	
			LZ	$M_s = 6.2$	19.0	19.8	
CD2	58.1	329	P	12 14 55.5	0.2		
			S	12 22 55.0	0.6		
			SME	$m_B = 7.0$	9.0	16.5	
			LE	$M_s = 6.5$	15.0	19.1	
XAN	58.6	336	P	12 14 57.2	-1.2		
			S	12 22 58.4	-1.8		
DL2	59.5	349	-P	12 15 04.0	-0.6		
			S	12 23 10.0	-2.1		
			LZ	$M_s = 6.4$	28.0	42.7	
TIY	60.6	341	+P	12 15 12.1	-0.6		
			PMZ	$m_B = 6.6$	7.5	6.58	
			PP	12 17 24.0	-3.5		
			S	12 23 28.0	1.0		
			SMN	$m_B = 6.7$	10.0	3.80	
			SME		10.0	7.24	
			SS	12 27 25.0	-1.4		
			LZ	$M_s = 6.3$	26.0	27.1	
BJI	61.7	345	+iP	12 15 19.0	-1.1		
			PMZ	$m_B = 6.6$	7.0	5.42	
			eS	12 23 36.0	-6.3		
			LN	$M_s = 6.5$	18.0	19.2	
			LE		18.0	8.10	
			LZ	$M_s = 6.4$	18.0	25.7	
SNY	62.0	351	+iP	12 15 20.0	-1.9		
			PMZ	$m_B = 6.7$	7.0	7.00	
			S	12 23 41.0	-3.5		
			SMN		16.0	16.2	
			SME		16.0	12.8	
			SS	12 27 54.0	5.5		
			LN	$M_s = 6.3$	18.5	12.1	
			LE		17.0	5.43	
			LZ	$M_s = 6.5$	21.0	36.9	
LZH	62.4	333	+iP	12 15 25.0	0.2		
			PMZ	$m_B = 7.0$	4.0	8.19	
			S	12 23 52.0	2.5		
			SME	$m_B = 6.9$	10.0	14.2	





CN2	63.7 353	LN	$M_s = 6.6$	17.0	12.8	SSE	41.6 330	+P	18 11 34.5	1.0	0.084	
		LE		16.0	15.8			PMZ	$m_b = 5.5$			
		+iP	12 15 31.8	-1.4			NJ2	43.5 328	+P	18 11 49.0	-0.5	
		PMZ	$m_b = 6.9$	5.0	7.40	WHN	44.9 323	P	18 12 02.5	1.7		
		pP	12 15 34.8	-3.2		GYA	47.5 312	P	18 12 22.6	1.5		
		SMN	$m_b = 6.7$	9.0	5.00	SNY	49.7 340	+iP	18 12 37.9	-0.2		
		SME		9.0	5.50	KMI	49.7 308	-iP	18 12 40.0	1.3		
HHC	63.8 341	LN	$M_s = 6.6$	16.0	19.5	XAN	50.7 322	+P	18 12 44.8	-0.6		
		LZ	$M_s = 6.7$	21.0	57.5			pP	18 13 16.5	1.5		
		+iP	12 15 33.0	-0.8				sP	18 13 28.0	-1.8		
		PMZ	$m_b = 6.6$	4.0	3.41	CN2	50.9 343	-P	18 12 46.8	-0.3		
		S	12 24 08.0	1.4				sP	18 13 30.0	-1.5		
		SMN	$m_b = 6.8$	10.0	5.54	BJI	51.2 333	-P	18 12 48.0	-1.2		
		SME		10.0	9.77	TIY	51.2 328	eP	18 12 49.4	-0.4		
BTO	64.0 340	LN	$M_s = 6.4$	15.0	8.42	CD2	52.1 315	eP	18 12 56.2	-0.2		
		LE		16.0	9.53	BTO	54.6 328	eP	18 13 15.0	0.1		
		+iP	12 15 35.0	-0.4		LZH	55.2 320	eP	18 13 19.0	0.2		
		PMZ	$m_b = 6.6$	8.0	6.30	GTA	59.7 321	+P	18 13 50.0	-0.8		
		sP	12 15 40.0	-2.6		LSA	61.0 307	+P	18 13 58.0	-1.8		
		PP	12 17 58.0	0.9		WMQ	69.7 320	P	18 14 55.0	-0.4		
		iS	12 24 11.0	-0.3								
LSA	64.2 319	SMN	$m_b = 6.7$	11.0	3.70	JAN 22d 18h 48m $05.9 \pm 0.09s$ , SD2.34 / 18 41.59 N $\pm 0.90km$ , 79.38 E $\pm 1.02km$ , h14 $\pm 0.33km$ Kirgiziya-Xinjiang border region (320) $M_s 3.9 / 1$ , $M_L 4.3 / 6$ ,						
		SME		11.0	7.70	KSH	3.4 233	ePg	18 49 06.0	0.7		
		SS	12 28 22.0	2.2				Sg	18 49 48.0	-2.9		
		LN	$M_s = 6.5$	18.0	12.3			LE	$M_s = 3.9$	10.0	3.10	
		LE		20.0	13.5	WMQ	6.5 67	Pn	18 49 45.0	3.0		
		LZ	$M_s = 6.2$	20.0	14.6			Sn	18 51 03.8	5.4		
		+P	12 15 36.4	-0.2				SME	$M_L = 4.3$	0.8	0.16	
MDJ	64.2 357	S		7.0	6.05	GTA	15.7 91	eP	18 51 48.3	-0.4		
		SMN	$m_b = 7.0$	7.0	8.75	JAN 22d 20h 54m $02.0 \pm 0.08s$ , SD0.91 / 85 19.87 S $\pm 1.51km$ , 134.03 E $\pm 1.28km$ , h4 $\pm 0.27km$ Northern Territory, Australia (591) $M_s 5.4 / 1$ , $m_b 6.0 / 13$ , $m_p 5.9 / 8$ ,						
		SME		7.0	8.75	QZN	45.3 327	+P	21 02 24.0	0.4		
		+P	12 15 35.5	-0.7				PMZ		3.0	0.90	
		PP	12 17 55.5	-2.9				S	21 09 03.0	-0.8		
		sS	12 24 14.0	-6.8				eSS	21 12 17.0	-1.4		
		ScS	12 25 30.0	3.8				+P	21 02 39.2	0.8		
GTA	66.9 332	LZ	$M_s = 6.5$	48.0	72.9	GZH	47.2 334	+P	21 02 39.2	0.8		
		+iP	12 15 54.4	0.2		SSE	52.1 346	-P	21 03 17.0	0.7		
		PMZ	$m_b = 6.9$	7.0	9.18			PMZ	$m_b = 5.6$	1.0	0.084	
		iS	12 24 40.0	-7.0				eS	21 10 40.0	-0.2		
		SME	$m_b = 6.8$	11.0	10.3			eSS	21 14 20.0	5.7		
		SS	12 29 05.0	-0.4				LZ	$M_s = 4.9$	20.0	1.20	
		LN	$M_s = 6.7$	22.0	36.4	GYA	53.2 329	P	21 03 24.2	0.2		
WMQ	76.1 327	+iP	12 16 49.7	0.5		WHN	53.6 339	-P	21 03 28.5	1.6		
		PMZ	$m_b = 7.0$	7.0	12.1			PcP	21 04 35.5	2.7		
		iS	12 26 32.0	-0.8				ScP	21 08 32.0	2.1		
		LN	$M_s = 6.5$	17.0	10.6	NJ2	53.6 344	+P	21 03 27.0	-0.3		
		LE		13.0	3.66	KMI	54.1 324	+iP	21 03 31.5	0.6		
		+iP	12 17 12.0	1.1				PMZ	$m_b = 5.7$	6.0	0.70	
		PMZ	$m_b = 7.0$	5.0	8.30			S	21 11 10.0	4.5		
KSH	80.0 318	ePP	12 20 16.0	2.9		CD2	58.3 329	P	21 04 01.0	0.3		
		iS	12 27 17.0	2.0				S	21 12 00.0	-0.9		
		SME	$m_b = 7.1$	8.0	11.8	TIY	60.8 340	+iP	21 04 17.4	-0.7		
		SKS	12 27 20.0	-2.7				PMZ	$m_b = 6.0$	1.0	0.22	
		LN	$M_s = 6.6$	20.0	17.0			S	21 12 30.0	-3.3		
								SME	$m_b = 5.5$	7.0	0.38	
								+P	21 04 24.0	-1.5		
JAN 22d 12h 39m $33.3 \pm 0.06s$ , SD1.36 / 19 20.18 S $\pm 0.99km$ , 133.63 E $\pm 1.37km$ , h5 $\pm 0.18km$ Northern Territory, Australia (591)						SNY	62.1 351	+iP	21 04 25.8	-1.4		
QZN	45.4 328	-P	12 47 55.2	0.0		LZH	62.6 333	+P	21 04 31.0	0.8		
CD2	58.3 330	P	12 49 31.8	-0.6				PMZ	$m_b = 6.1$	2.0	0.54	
GTA	67.2 332	+iP	12 50 31.0	-0.3		JAN 22d 18h 03m $56.8 \pm 0.09s$ , SD1.02 / 71 4.47 S $\pm 1.14km$ , 144.06 E $\pm 0.73km$ , h130 $\pm 0.74km$ New Guinea (202) $m_p 5.4 / 2$ ,						
WMQ	76.3 328	P	12 51 26.5	0.6		GZH	40.6 314	eP	18 11 27.0	1.2		





	sP	21 04 37.0	-0.1			
	S	21 12 59.0	3.1			
	SME	$m_B = 6.1$		5.0	1.14	
CN2	+P	21 04 37.0	-1.5			
	PMZ	$m_B = 6.0$		4.0	0.70	
	eS	21 13 11.0	-2.3			
	SS	21 17 24.0	2.6			
BTO	+P	21 04 40.0	-0.8			
MDJ	-P	21 04 40.0	-1.5			
LSA	+P	21 04 42.0	0.0			
	S	21 13 21.5	3.7			
	SMN	$m_B = 6.5$		4.0	1.53	
	SME			4.5	1.87	
GTA	P	21 05 00.0	0.4			
	PMZ	$m_B = 6.2$		3.5	0.91	
	S	21 13 54.0	2.3			
	SME	$m_B = 6.0$		12.0	1.68	
WMQ	-iP	21 05 55.5	1.0			
	S	21 15 36.0	-1.3			
	SMN	$m_B = 6.2$		5.0	0.87	
KSH	+iP	21 06 17.5	1.4			
	PMZ			3.0	1.20	
	S	21 16 23.0	3.9			
	SME	$m_B = 6.0$		7.0	0.90	

JAN 22d 21h 18m 31.8 ± 0.06s, SD0.98 / 35  
 51.49 N ± 2.26km, 174.26 W ± 1.06km, h30 ± 0.79km  
 Andreanof Islands (7)  
 $m_B 5.1 / 1,$

SNY	+P	21 26 27.4	0.5			
BJI	eP	21 27 10.0	-1.4			
BTO	eP	21 27 38.0	1.0			
TIY	eP	21 27 40.4	0.4			
LZH	eP	21 28 25.3	0.0			
	PMZ	$m_B = 5.1$		2.0	0.049	
WMQ	P	21 28 49.0	-0.7			
GYA	P	21 29 00.2	0.5			

JAN 22d 23h 13m 30.4 ± 0.28s, SD1.63 / 27  
 19.46 S ± 1.59km, 168.75 E ± 1.29km, h61 ± 2.20km  
 Vanuatu (New Hebrides) (186)

CN2	+P	23 25 04.0	-0.4			
GYA	P	23 25 11.8	0.6			
BJI	eP	23 25 17.0	-1.1			
XAN	P	23 25 24.6	0.3			
KMI	-P	23 25 27.0	2.1			
GTA	P	23 26 11.6	0.6			

JAN 23d 00h 27m 05.1 ± 0.24s, SD1.60 / 20  
 51.27 N ± 3.71km, 174.20 W ± 1.74km, h36 ± 2.25km  
 Andreanof Islands (7)

SNY	eP	00 34 57.7	-2.5			
BJI	eP	00 35 44.5	-0.1			
TIY	eP	00 36 14.0	0.8			
GTA	P	00 36 58.4	-0.8			
GYA	P	00 37 33.0	0.3			
LSA	+P	00 38 18.3	1.0			

JAN 23d 00h 52m 40.7 ± 0.13s, SD0.98 / 33  
 51.38 N ± 2.19km, 174.29 W ± 1.26km, h36 ± 1.50km  
 Andreanof Islands (7)

BJI	eP	01 01 19.0	-0.6			
TIY	-P	01 01 48.7	0.5			
XAN	-P	01 02 21.0	-0.7			
GTA	eP	01 02 32.6	-1.6			
GYA	P	01 03 08.4	0.5			
LSA	+P	01 03 52.4	0.1			

JAN 23d 02h 45m 34.3 ± 0.16s, SD1.04 / 75  
 51.41 N ± 0.98km, 174.39 W ± 1.12km, h43 ± 1.74km  
 Andreanof Islands (7)  
 $m_B 5.7 / 1,$

MDJ	-P	02 52 44.0	-0.4			
CN2	+iP	02 53 08.5	-0.5			
SNY	+iP	02 53 28.1	0.7			
DL2	eP	02 53 52.1	1.0			
BJI	+P	02 54 12.0	0.1			
TIA	P	02 54 25.5	-0.6			
HHC	eP	02 54 29.4	-0.1			
SSE	P	02 54 33.0	0.3			
	pP	02 54 48.0	4.0			
	sS	03 02 06.0	2.9			
BTO	P	02 54 38.5	0.9			
NJ2	-P	02 54 38.0	-0.8			
TIY	+iP	02 54 41.0	0.5			
	PMZ	$m_B = 5.7$		1.1	0.10	
WHN	eP	02 55 07.2	0.1			
XAN	+P	02 55 15.0	1.0			
LZH	+P	02 55 26.0	0.1			
GTA	+iP	02 55 25.2	-1.3			
WMQ	+iP	02 55 50.2	-0.4			
CD2	P	02 55 50.2	-0.6			
GYA	P	02 56 00.0	-0.3			
QZN	eP	02 56 26.3	3.8			
KSH	eP	02 56 49.0	0.5			

JAN 23d 07h 16m 26.3 ± 0.56s, SD3.80 / 9  
 45.01 N ± 3.88km, 79.35 E ± 3.69km, h10 ± km  
 Eastern Kazakhstan (329)  
 $M_L 3.5 / 6,$

WMQ	ePg	07 18 18.2	4.0			
	Sg	07 19 31.4	-6.0			
	SME	$M_L = 3.3$		0.8	0.020	

JAN 23d 08h 57m 60.0 ± 0.07s, SD0.84 / 99  
 1.77 N ± 0.91km, 127.21 E ± 1.07km, h103 ± 0.33km  
 Molucca Passage (266)  
 $m_B 6.1 / 26, m_B 5.5 / 3,$

QZN	-iP	09 03 07.5	-0.3			
	PMZ	$m_B = 5.9$		5.0	2.50	
	S	09 07 18.0	3.0			
QZH	-iP	09 03 12.0	1.0			
	PMZ	$m_B = 6.1$		4.0	3.50	
	S	09 07 20.0	-0.7			
GZH	-iP	09 03 16.0	-0.9			
	PMZ	$m_B = 6.1$		4.0	2.17	
	eS	09 07 32.0	0.5			
SSE	+iP	09 03 59.0	0.1			
	PMZ	$m_B = 5.9$		4.0	0.96	
	S	09 08 50.0	4.5			
	SS	09 10 24.0	-3.9			
	LE			12.0	0.87	
	LZ			20.0	1.39	
WHN	-P	09 04 11.0	-0.1			
	PMZ	$m_B = 6.1$		4.0	1.57	
	sP	09 04 48.0	1.7			
	S	09 09 06.0	-1.3			
	sS	09 09 44.0	-3.8			
	ScP	09 10 38.5	2.7			
	PcS	09 10 48.5	2.0			
	LE			8.0	1.76	
	LZ			36.0	9.99	
NJ2	-P	09 04 12.0	0.7			
GYA	-P	09 04 14.0	-0.7			
	pP	09 04 37.0	-0.2			
	sP	09 04 52.0	2.3			



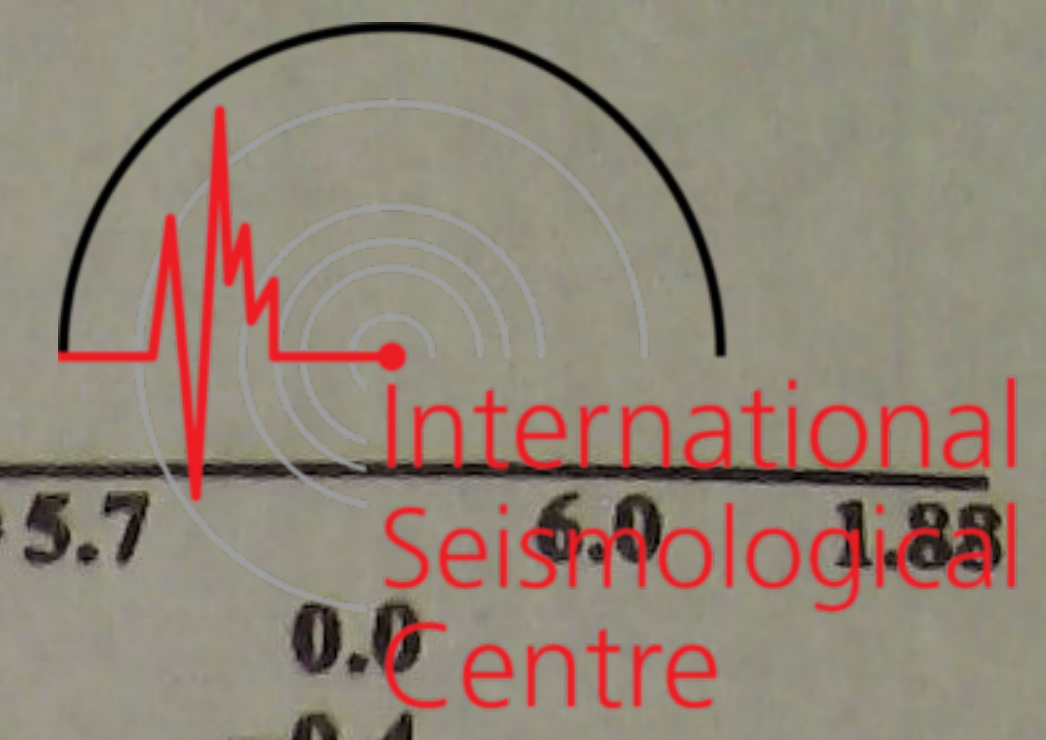


KMI	33.1 317	S	09 09 16.0	2.5	3.0 1.17	CN2	41.9 358	-P	09 05 41.2	-0.8	MDJ	42.7 3	-P	09 05 48.8	0.0														
		ScS	09 14 38.0	4.5												pP	09 06 07.0	-5.3											
		-iP	09 04 29.0	0.2															S	09 12 05.0	1.4								
		PMZ																				SS	09 15 12.0	-0.5					
		PP	09 05 38.0	-4.0																					LZ	37.0 5.40			
		S	09 09 43.0	4.5																							-P	09 06 00.5	0.0
		ScP	09 10 46.0	3.4																									
LE			S	09 12 27.0	3.4																								
TIA	35.5 346	P				09 04 48.5	-0.6	14.0 3.36	GTA	45.0 330	-iP	09 06 08.0	0.5	SMN	m <sub>B</sub> =5.9	7.0 0.65													
PP	09 06 06.0	-4.5	LN	12.0 0.73	SME	8.0 1.24																							
PcP	09 07 16.7	0.7					LZ	12.0 1.03	-iP	09 06 33.0	2.0																		
eS	09 10 13.0	-3.7	PMZ	6.0 1.31	sP	09 06 41.0						-2.2																	
ScP	09 10 54.0	2.9					-P	09 04 56.0	-0.4	PcP	09 07 47.8		1.2																
XAN	36.4 334	PMZ				m <sub>B</sub> =6.3						4.0 1.63																	
sP	09 05 34.0	2.1	sP	09 05 34.0	2.1		PP	09 07 55.0	0.3																				
PP	09 06 26.0	5.1				SS				09 13 00.0	0.2	ScP	09 11 31.6	3.5															
S	09 10 23.0	-5.8	-iP	09 04 57.6	0.1		eS	09 12 36.0	-2.2																				
CD2	36.5 325	SS				09 13 00.0				0.2	WMQ	54.6 326	-iP	09 07 20.6	0.0	20.0 4.34													
-iP	09 04 57.6	0.1	pP	09 05 20.0	-0.7	PMZ	m <sub>B</sub> =6.5	4.0 2.64																					
pP	09 05 20.0	-0.7							eS	09 10 33.5	1.7	LZ	24.0 2.74																
eS	09 10 33.5	1.7	LE	6.0 2.06	-P	09 05 04.0	-0.2																						
DL2	37.3 353	-P						09 05 04.0	-0.2	KSH	59.8 316	+iP	09 07 59.0	1.6															
pP	09 05 32.0	4.6	S	09 10 44.0	1.0	iS	09 16 06.0	6.6																					
S	09 10 44.0	1.0							LZ	18.0 2.51	-iP	09 05 13.0	0.8																
TIIY	38.3 341	-iP	09 05 13.0	0.8	JAN 23d 11h 45m 43.7±0.07s, SD1.13/98	46.33 N±1.69km, 153.36 E±1.14km, h31±0.23km	Kurile Islands region	(222)																					
PMZ									M <sub>S</sub> 5.6/48, m <sub>B</sub> 5.8/18, m <sub>b</sub> 5.5/2,																				
pP	09 05 36.0	0.6	PMZ	m <sub>B</sub> =6.3	4.5 2.25	MDJ	16.7 273	P		11 49 36.0	-1.8																		
PP	09 06 46.0	2.2							sP			09 11 38.5	-0.4	S	11 49 48.5	-1.1													
sS	09 11 38.5	-0.4	SS	09 13 42.0	0.4	SS	11 52 48.0	6.5																					
SS	09 13 42.0	0.4							ScS	09 15 15.5	5.6	LZ	M <sub>S</sub> =5.2	15.0 9.00															
ScS	09 15 15.5	5.6	LE	13.0 0.86	36.0 4.29	CN2	19.8 273	+P							11 50 15.0	-0.1													
BJI	39.4 347	-P							09 05 21.5	0.0	MDJ	16.7 273	P	11 49 36.0			-1.8												
PMZ					sP	11 49 48.5	-1.1																						
PcP	09 07 28.0	0.1	ScP	09 11 09.0				3.4	S	11 52 48.0	6.5																		
ScP	09 11 09.0	3.4			eS	09 11 16.0	0.6					SS	11 53 08.0	6.1															
eS	09 11 16.0	0.6	SNY	21.8 269				-iP	11 50 35.0	-0.2																			
ScS	09 15 22.0	5.5			PMZ	m <sub>B</sub> =5.6	11.0 0.99				LN	M <sub>S</sub> =5.6	13.0 10.5																
SNY	40.0 356	-iP	09 05 26.0	-0.6				DL2	24.4 264	eP				11 51 00.0	-0.6														
PMZ					sP	11 51 15.0	1.9																						
pP	09 05 49.0	-1.0	LZ	39.0 2.89				24.4 264	S	11 55 20.0	5.0																		
iS	09 11 26.8	2.1			LZ	m <sub>B</sub> =6.3	4.0 2.18					LN	M <sub>S</sub> =5.4	13.0 3.88															
LZH	40.4 330	-iP	09 05 31.0	0.8				BJI	27.6 270	-P	11 51 31.0				-0.1														
PMZ					PMZ	m <sub>B</sub> =5.8	6.0 1.15																						
sP	09 06 04.0	-1.7	ScP	09 11 13.5				3.9	LN	M <sub>S</sub> =5.6	13.0 5.99																		
ScP	09 11 13.5	3.9			S	09 11 32.0	2.1					LE	14.0 4.77																
S	09 11 32.0	2.1	LE	13.0 2.27				39.0 2.89	LZ	M <sub>S</sub> =5.5	19.0 10.6																		
HHC	41.4 342	-iP			09 05 39.0	0.9	TIA					28.8 263	eP	11 51 42.6	0.9														
PMZ					pP	11 51 51.0		0.5																					
PP	09 07 15.0	-2.4	PMZ	m <sub>B</sub> =6.3			4.0 1.76		eS	11 56 24.0	-4.5																		
S	09 11 47.0	2.8			LZ	m <sub>B</sub> =6.2		4.0 1.45				LN	M <sub>S</sub> =5.6	14.0 4.73															
BTO	41.7 340	-iP	09 05 41.0	0.6			SSE		29.1 250	P	11 51 45.0				0.8														
PMZ					PMZ	m <sub>B</sub> =5.4		6.0 0.42																					
pP	09 06 06.0	2.3	PP	09 07 18.5			-2.1		LZ	M <sub>S</sub> =5.1	15.0 4.27																		
PP	09 07 18.5	-2.1			S	09 11 51.0		2.7				LE	15.0 3.24																
S	09 11 51.0	2.7	sS	09 12 28.5			-1.6		P	11 51 45.0	0.8																		
sS	09 12 28.5	-1.6			SS	09 14 55.0		2.0				PMZ	m <sub>B</sub> =5.4	6.0 0.42															
SS	09 14 55.0	2.0	LN	12.0 0.50			12.0 0.70		PP	11 52 38.0	-0.4																		
LN					LE	12.0 0.50		12.0 0.70				PP	11 52 38.0	-0.4															



		S	11 56 38.0	5.8				SMN	$m_B=6.2$	6.0	2.40
		SMN			18.0	3.60		sS	12 00 07.0	4.1	
		SME			20.0	4.15		LN	$M_S=5.7$	15.0	3.00
		ScP	11 58 36.0	6.8				LE		15.0	3.50
		LN	$M_S=5.5$		12.0	4.39	QZN	44.8 247	P	11 53 57.5	0.2
		LE			13.0	1.45		S	12 00 38.0	6.4	
		LZ	$M_S=5.2$		20.0	6.11		LN	$M_S=5.6$	16.0	1.30
NJ2	30.0 254	eP	11 51 50.0	-2.5				LE		20.0	3.80
		S	11 56 46.0	-1.0			WMQ	45.2 292	P	11 54 00.0	-0.6
		LN	$M_S=5.8$		14.0	3.04		PcP	11 55 37.0	-3.0	
		LE			12.5	8.93		PcS	11 59 35.0	2.5	
HHC	30.5 275	+iP	11 51 57.4	0.7				eS	12 00 33.0	-5.4	
		pP	11 52 07.0	1.6				LN	$M_S=6.0$	13.0	7.10
		S	11 56 54.6	0.5				LE		13.0	2.65
		LN	$M_S=5.6$		13.0	5.65		LZ	$M_S=5.6$	16.0	5.26
		LE			13.0	2.00	KMI	45.3 260	+iP	11 54 02.0	0.5
TIY	31.3 269	+P	11 52 04.5	0.6				PMZ	$m_B=6.0$	4.0	0.94
		PMZ	$m_B=5.6$		1.0	0.11		pP	11 54 14.0	3.7	
		PP	11 53 09.0	2.1				S	12 00 42.0	3.4	
		SMN			13.0	0.95		SME	$m_B=6.0$	9.0	1.83
		SME			12.0	1.29		SS	12 03 56.0	2.1	
		LN	$M_S=5.4$		13.0	1.82		LN	$M_S=5.3$	16.0	1.83
		LE			14.0	2.91	LSA	50.5 274	+P	11 54 42.0	0.2
		LZ	$M_S=5.4$		15.0	6.50		S	12 01 57.0	6.1	
BTO	31.7 275	-P	11 52 08.0	0.9				LN	$M_S=5.4$	11.0	0.49
		pP	11 52 17.0	1.3				LE		12.0	1.38
		PP	11 53 10.0	-1.6			KSH	55.0 293	+iP	11 55 16.6	1.4
		S	11 57 14.5	2.0				pP	11 55 25.0	0.8	
		SS	11 58 58.0	-5.2				eS	12 02 56.0	1.9	
		LN	$M_S=5.7$		14.0	4.50		LE	$M_S=6.2$	13.0	7.90
		LE			14.0	5.70	JAN 23d 15h 37m $28.6 \pm 0.10s$ , SD1.87 / 36				
		LZ	$M_S=5.4$		15.0	6.40	29.52 N $\pm 1.32km$ , 81.56 E $\pm 1.11km$ , $h_{29} \pm 0.08km$				
WHN	34.0 256	+P	11 52 27.0	-0.1			Nepal (310)				
		S	11 57 54.0	5.3			$M_L 3.5 / 1,$				
		LE	$M_S=5.5$		14.0	3.90	LSA	8.3 86	eP	15 39 31.1	0.0
		LZ	$M_S=5.0$		32.0	4.41	KSH	11.0 337	eP	15 40 05.4	-2.0
QZH	35.0 244	eP	11 52 37.0	1.2				eS	15 42 06.0	-4.6	
		sP	11 52 50.0	1.5			GTA	18.0 52	eP	15 41 36.4	-1.8
		S	11 58 05.0	0.6			CD2	19.2 80	eP	15 41 53.9	0.5
		SMN			16.0	2.37	KMI	19.3 98	+P	15 41 54.0	-0.6
XAN	35.7 266	+P	11 52 41.5	0.1			GYA	22.4 92	P	15 42 26.4	0.3
		S	11 58 18.0	3.6			BTO	25.7 57	eP	15 42 59.7	1.6
		LN	$M_S=5.7$		13.0	3.22	HHC	26.9 57	eP	15 43 14.0	4.8
		LE			14.0	4.08	BJI	30.1 60	eP	15 43 39.5	1.1
LZH	38.1 273	+iP	11 53 03.0	1.1			SNY	35.9 58	+P	15 44 28.4	-0.4
		PMZ	$m_B=6.1$		4.0	1.46	CN2	37.5 55	eP	15 44 42.8	0.5
		pP	11 53 13.5	2.8			JAN 23d 15h 20m $54.1 \pm 0.09s$ , SD1.84 / 17				
		S	11 58 53.0	1.6			31.52 N $\pm 0.83km$ , 103.10 E $\pm 0.93km$ , $h_6 \pm 0.13km$				
		LN	$M_S=5.9$		14.0	6.29	Sichuan Province (307)				
		LE			14.0	4.77	$M_L 3.8 / 9,$				
GTA	39.2 280	+P	11 53 12.0	0.7			CD2	0.8 137	Pg	15 21 10.7	1.8
		PMZ	$m_B=5.7$		4.0	0.57		Sg	15 21 23.2	3.0	
		sP	11 53 22.0	-2.0				SME	$M_L=3.6$	0.5	1.94
		PP	11 54 50.0	4.7			XAN	5.5 61	Pn	15 22 19.2	2.1
		PcP	11 55 21.8	1.8				Pg	15 22 33.0	1.6	
		S	11 59 10.0	1.4				Sg	15 23 45.6	-1.2	
		ScS	12 03 20.4	5.4				SMN	$M_L=3.8$	1.0	0.090
		LE	$M_S=5.6$		14.0	3.90		SME		0.8	0.070
GZH	39.7 248	+iP	11 53 14.0	-0.9			GYA	5.9 147	ePu	15 22 22.6	-0.4
		eS	11 59 14.0	-2.4				Su	15 23 32.4	-1.0	
		LN	$M_S=5.5$		20.0	4.20		SMN	$M_L=3.9$	1.0	0.10
CD2	41.0 266	+iP	11 53 26.7	0.4				SME		1.0	0.090
		S	11 59 39.0	3.3			TIY	9.9 49	eP	15 23 17.7	-2.2
		LE	$M_S=5.6$		13.0	3.38	JAN 23d 22h 01m $56.5 \pm 0.13s$ , SD1.90 / 26				
GYA	41.8 258	+P	11 53 33.0	0.3			15.21 S $\pm 2.84km$ , 116.09 W $\pm 3.92km$ , $h_8 \pm 0.67km$				
		pP	11 53 43.2	1.7							
		S	11 59 50.0	2.8							





Easter Island Cordillera (684)							PMZ $m_b = 5.7$								
BTO	132.7	312	ePKP	22 21	16.2	2.5	PP	14 19	14.0	0.0					
GYA	138.7	293	ePKP	22 21	23.0	-1.6	sP	14 19	18.0	-0.4					
WMQ	145.0	329	PKP	22 21	34.5	-1.2	S	14 21	56.0	4.9					
LSA	151.1	305	ePKP	22 21	47.6	1.7	LN		$M_s = 5.2$		20.0	8.77			
KSH	153.6	339	PKP	22 21	53.0	3.8	LE				20.0	6.99			
JAN 23d 22h 48m 30.0 ± 0.09s, SD1.16 / 51							BJI	16.6	327	eP	14 19	16.0	1.6		
23.57 S ± 1.67km, 177.32 W ± 1.24km, h204 ± 1.04km															
South of Fiji (171)															
NJ2	82.3	310	+P	23 00	31.0	0.1	LN		$M_s = 5.0$		10.0	3.03			
WHN	84.8	306	eP	23 00	44.0	0.7	LZ		$M_s = 4.9$		36.0	12.5			
SNY	85.0	320	eP	23 00	44.0	-0.2	+iP	14 19	24.5	2.9					
CN2	85.1	322	eP	23 00	43.5	-1.5	pP	14 19	35.0	3.2					
TIA	85.8	312	eP	23 00	48.6	0.2	LE		$M_s = 5.4$		14.0	10.8			
BJI	88.5	315	eP	23 01	01.5	0.2	LZ		$M_s = 5.3$		16.0	11.1			
TIY	89.8	312	+P	23 01	08.0	0.6	-P	14 19	21.5	-1.0					
XAN	90.5	307	P	23 01	11.6	1.0	PMZ		$m_b = 5.9$		5.0	2.80			
BTO	92.8	313	eP	23 01	22.2	0.6	pP	14 19	31.5	-1.3					
LZH	95.1	307	eP	23 01	32.5	0.4	eS	14 22	36.0	5.9					
JAN 24d 01h 00m 18.5 ± 0.10s, SD3.77 / 6							MDJ	18.0	4	eP	14 19	29.5	-2.1		
43.47 N ± 0.87km, 81.83 E ± 0.90km, h7 ± 0.49km															
Northern Xinjiang Province (332)															
$M_L 3.1 / 6,$															
WMQ	4.3	83	ePg	01 01	36.9	2.7	pP	14 19	42.0	-0.1					
			SMN		$M_L = 2.6$	0.5	S	14 22	45.0	-0.9					
						0.010	SS	14 23	05.0	-5.0					
JAN 24d 14h 15m 23.8 ± 0.08s, SD1.43 / 101							XAN	18.0	299	-P	14 19	32.0	-0.3		
26.65 N ± 1.06km, 128.01 E ± 1.14km, h56 ± 0.40km															
Ryukyu Islands (238)															
$M_s 5.4 / 45, m_b 5.9 / 19, m_b 5.5 / 6,$															
SSE	7.4	308	+iP	14 17	13.0	0.6	LZ		$M_s = 5.3$		28.0	19.7			
			PMZ		$m_b = 5.9$	1.0	-P	14 19	32.0	-0.3					
			sP	14 17	23.0	-5.7	pP	14 19	45.0	2.2					
			LN		$M_s = 5.1$	12.0	S	14 22	54.0	6.8					
			LE			12.0	LE		$M_s = 5.2$		14.0	6.12			
QZH	8.7	261	-iP	14 17	29.0	-0.1	-P	14 19	36.0	-0.3					
			PMZ		$m_b = 6.4$	5.0	PMZ		$m_b = 5.9$		7.0	4.50			
			PP	14 17	39.0	1.8	PP	14 19	54.5	2.9					
			PPMZ			6.0	SS	14 23	24.5	4.8					
			S	14 19	08.0	3.1	LN		$M_s = 5.4$		10.0	2.00			
			LN		$M_s = 5.1$	7.0	LE				20.0	12.8			
NJ2	9.6	306	+iP	14 17	43.4	0.9	P	14 19	45.6	0.6					
			S	14 19	28.0	-1.0	sP	14 20	06.0	3.5					
			LN		$M_s = 5.6$	8.0	S	14 23	14.0	3.0					
			LE			8.0	LN		$M_s = 5.6$		12.0	7.10			
			LZ		$M_s = 5.0$	12.0	LE				12.0	8.30			
WHN	12.6	291	-iP	14 18	23.5	0.7	P	14 19	51.2	0.3					
			PMZ		$m_b = 6.2$	5.0	LN		$M_s = 5.3$		8.0	2.95			
			sP	14 18	40.0	0.5	LE				8.0	2.72			
			iS	14 20	44.0	2.4	eP	14 20	09.2	-2.5					
			LN		$M_s = 5.6$	8.0	pP	14 20	23.0	-1.3					
			LE			12.0	eS	14 24	00.0	-2.8					
			LZ		$M_s = 5.3$	16.0	LN		$M_s = 5.9$		9.0	12.9			
TIA	13.3	318	eP	14 18	33.8	1.8	eP	14 20	21.0	-0.4					
			eS	14 21	03.5	5.3	PMZ		$m_b = 5.1$		1.5	0.14			
			SMN		$m_b = 5.3$	10.0	pP	14 20	34.5	0.6					
			SME			10.0	S	14 24	24.0	4.5					
			LN		$M_s = 5.1$	12.0	sS	14 24	45.0	3.1					
DL2	13.3	338	+P	14 18	35.0	2.5	LN		$M_s = 5.4$		20.0	6.79			
			S	14 21	05.0	6.3	LE				22.0	7.14			
			LN		$M_s = 5.1$	10.0	-P	14 20	22.5	-0.4					
GZH	13.8	258	eP	14 18	35.0	-3.1	sP	14 20	44.0	2.4					
			eS	14 21	04.0	-5.4	S	14 24	26.0	3.9					
			LN		$M_s = 5.3$	11.0	LZ		$M_s = 5.1$		20.0	6.10			
			LE			12.0	+iP	14 20	58.4	-2.1					
SNY	15.6	348	-iP	14 19	00.0	-1.5	pP	14 21	12.0	-1.3					
							LN		$M_s = 5.5$		18.0	8.48			
							LZ		$M_s = 5.3$		16.0	6.31			
							eP	14 21	50.5	-2.1					
							P	14 22	26.7	-1.0					
							pP	14 22	42.5	1.4					
							eS	14 28	08.0	1.7					
							sS	14 28	33.5	4.0					
							ScS	14 32	39.5	4.8					





QZH	74.4	303	+P	16 10 47.0	-0.1		
SSE	75.5	310	-P	16 10 52.5	-0.5		
			PMZ			3.0	0.44
			S	16 19 49.0	1.8		
			SMN	$m_B = 5.6$		6.0	0.71
NJ2	77.7	310	+iP	16 11 05.0	0.1		
			S	16 20 15.0	4.6		
GZH	77.9	299	+P	16 11 06.0	0.1		
MDJ	77.9	325	+iP	16 11 06.5	0.2		
QZN	79.2	294	P	16 11 13.3	0.3		
DL2	79.3	317	+P	16 11 12.0	-1.7		
			eS	16 20 28.0	-1.1		
SNY	79.7	320	+iP	16 11 15.2	-0.5		
CN2	79.8	322	+iP	16 11 15.0	-1.0		
			PMZ	$m_B = 5.8$		4.0	1.70
			pP	16 13 16.5	0.7		
			eS	16 20 36.0	2.4		
			SMN	$m_B = 5.7$		7.0	1.10
WHN	80.3	306	+iP	16 11 19.3	0.4		
			PMZ	$m_B = 5.6$		4.0	1.10
			PP	16 14 33.0	0.2		
			iS	16 20 39.0	-0.4		
			SMN	$m_B = 5.6$		8.0	1.00
TIA	81.0	312	+P	16 11 21.8	-0.5		
BJI	83.5	315	+P	16 11 34.5	-0.5		
			PMZ	$m_B = 5.8$		4.0	1.28
			sP	16 14 28.0	-3.9		
			eS	16 21 12.0	1.2		
GYA	84.8	300	+P	16 11 41.4	0.1		
			SKS	16 21 13.8	4.5		
			S	16 21 23.0	1.9		
TIY	85.0	312	+iP	16 11 42.5	0.1		
			PMZ	$m_B = 5.8$		1.0	0.29
			S	16 21 29.5	6.3		
			SMN	$m_B = 5.4$		8.0	0.45
XAN	86.0	307	+iP	16 11 47.4	0.3		
			sP	16 14 50.0	5.6		
			S	16 21 39.0	6.5		
			SMN	$m_B = 6.1$		7.0	1.69
KMI	87.6	297	+iP	16 11 55.0	0.3		
			PMZ			3.0	0.85
			S	16 21 53.0	6.0		
			SMN	$m_B = 6.1$		6.0	1.40
BTO	88.0	314	P	16 11 56.8	0.4		
CD2	88.8	303	P	16 12 00.9	0.5		
LZH	90.6	308	+iP	16 12 09.5	0.6		
			PMZ	$m_B = 6.1$		1.5	0.35
GTA	94.8	310	+iP	16 12 27.0	-0.8		
KSH	112.8	306	PKP	16 17 39.5	1.1		

JAN 25d 01h 12m 19.4 ± 0.07s, SD2.10 / 91 30.21 N ± 0.96km, 94.82 E ± 0.91km, h14 ± 0.07km India-China border region (313) $M_S 5.5 / 49, M_L 5.8 / 4, m_B 5.5 / 4,$									
LSA	3.2	262	-Pn	01 13 13.5	2.9				
			Pg	01 13 18.0	1.6				
			Sg	01 13 58.0	-2.5				
			LN	$M_S = 5.5$		5.0	48.5		
			LE			5.0	62.8		
CD2	7.7	83	ePn	01 14 14.8	2.7				
			Sn	01 15 48.0	6.0				
			LE	$M_S = 5.4$		9.0	22.3		
KMI	8.7	124	+P	01 14 27.0	-0.6				
			iS	01 16 00.0	-6.1				
			LN	$M_S = 5.6$		10.0	31.3		
LZH	9.6	50	eP	01 14 40.0	-0.2				
			PMZ	$m_B = 5.5$		1.0	0.15		
			SS	01 16 34.0	-7.0				
			LN	$M_S = 5.8$		7.0	30.0		
			LE			7.0	18.2		
GTA	10.1	23	P	01 14 45.7	-1.2				
			S	01 16 33.5	-6.6				
			LE	$M_S = 5.5$		12.0	28.5		
GYA	11.1	107	P	01 14 59.0	-1.9				
			S	01 17 02.0	-3.2				
			LN	$M_S = 5.4$		12.0	15.1		
			LE			12.0	4.40		
XAN	12.5	69	+P	01 15 18.2	-2.5				
			PP	01 15 30.0	-0.4				
			S	01 17 37.0	-3.8				
			LN	$M_S = 5.7$		10.0	21.0		
			LE			9.0	7.82		
WMQ	14.7	339	P	01 15 48.0	-1.4				
			pP	01 15 55.5	1.3				
			S	01 18 29.5	-3.1				
			LN	$M_S = 5.4$		11.0	8.31		
			LE			11.0	5.62		
			LZ	$M_S = 5.3$		14.0	12.4		
BTO	16.1	46	P	01 16 06.0	-1.8				
			pP	01 16 14.5	1.8				
			PP	01 16 19.0	-1.3				
			S	01 19 03.0	-2.8				
			LN	$M_S = 5.4$		9.0	3.60		
			LE			9.0	6.80		
			LZ	$M_S = 5.0$		9.0	3.50		
TIY	16.4	58	+P	01 16 07.7	-3.5				
			S	01 19 14.0	1.9				
			LN	$M_S = 5.6$		20.0	20.3		
			LE			20.0	9.34		
WHN	16.9	84	eP	01 16 14.0	-2.9				
			pP	01 16 22.0	0.0				
			LN	$M_S = 5.6$		9.0	9.00		
			LE			12.0	7.60		
			LZ	$M_S = 5.3$		14.0	12.1		
HHC	17.2	47	eP	01 16 21.0	-0.9				
			pP	01 16 26.0	-0.9				
			eS	01 19 31.0	-1.4				
			LN	$M_S = 5.5$		10.0	6.43		
			LE			11.0	5.30		
QZN	17.6	126	eP	01 16 26.5	0.3				
			eS	01 19 43.0	2.9				
			LN	$M_S = 5.6$		11.0	10.3		
			LE			11.0	7.70		
KSH	18.0	306	P	01 16 31.8	-0.2				
			eS	01 19 51.0	0.3				
			LE	$M_S = 6.0$		7.0	19.8		
TIA	19.6	66	+P	01 16 49.0	-1.1				

JAN 24d 16h 49m 20.5 ± 0.13s, SD2.39 / 37 41.57 N ± 1.23km, 79.32 E ± 1.31km, h24 ± 0.52km Kirgiziya-Xinjiang border region (320) $M_S 4.5 / 1, M_L 4.5 / 5,$									
KSH	3.3	233	Pg	16 50 19.5	0.3				
			Sg	16 51 03.0	-1.2				
			LE	$M_S = 4.5$		8.0	11.2		
WMQ	6.6	67	Pn	16 50 59.0	2.7				
			Sn	16 52 13.0	0.4				
			SMN	$M_L = 4.5$		0.8	0.17		
			SME			1.0	0.41		
LSA	15.2	137	eP	16 53 01.5	4.9				
GTA	15.7	91	eP	16 53 02.0	-0.8				
LZH	19.8	98	eP	16 53 53.8	0.7				
CD2	22.3	111	eP	16 54 20.4	2.0				
XAN	24.5	98	P	16 54 40.0	0.5				
TIY	25.7	88	eP	16 54 51.6	0.5				
WHN	30.2	100	eP	16 55 33.0	1.3				









GTA	59.2	18	eP	11 15 54.5	-1.3		
WMO	60.3	30	-P	11 16 02.5	-1.0		
WMO	61.6	40	P	11 16 11.1	-1.0		
BJI	69.8	39	eP	11 17 05.0	-0.2		
CN2	77.7	40	eP	11 17 50.0	-0.9		
			pP	11 17 56.0	-0.5		

JAN 25d 13h 08m 06.2±0.07s, SD1.20 / 27  
20.16 S±0.98km, 133.83 E±1.00km, h5±0.15km  
Northern Territory, Australia (591)

CD2	58.4	330	P	13 18 05.8	-0.1		
XAN	58.9	336	P	13 18 08.2	-1.0		
TIY	61.0	341	eP	13 18 21.9	-1.7		
GTA	67.2	332	+P	13 19 05.1	0.4		
WMQ	76.4	328	P	13 20 00.5	1.2		

JAN 25d 17h 25m 21.0±0.08s, SD1.62 / 21  
24.28 N±0.81km, 121.73 E±0.89km, h45±1.06km  
Taiwan (244)  
M<sub>L</sub>3.7 / 12,

QZH	2.9	284	P	17 26 06.2	-0.3		
			S	17 26 37.5	-2.3		
			SMN	M <sub>L</sub> =3.5		0.5	0.24
			SME			0.5	0.19
SSE	6.8	356	P	17 27 00.0	-1.0		
			SMN	M <sub>L</sub> =3.4		1.0	0.018
			SME			1.0	0.021
			LZ	M <sub>S</sub> =3.4		16.0	0.44
NJ2	8.2	342	+iP	17 27 18.4	-1.2		
			S	17 28 50.0	-0.4		
WHN	9.1	315	eP	17 27 36.0	3.9		
			SMN			1.2	0.030
GYA	13.8	282	P	17 28 37.0	0.7		
GTA	23.9	314	eP	17 30 33.0	1.3		

JAN 25d 19h 10m 28.1±0.12s, SD2.71 / 27  
37.53 N±1.24km, 111.93 E±1.04km, h13±0.39km  
North-Eastern China (658)  
M<sub>L</sub>3.9 / 23,

TIY	0.4	65	-iPg	19 10 34.3	-2.0		
			Sg	19 10 38.5	-3.9		
			SMN	M <sub>L</sub> =4.1		1.0	12.0
			SME			1.0	10.5
HHC	3.3	355	-ePn	19 11 21.1	0.8		
			Pg	19 11 26.6	-0.2		
			Sg	19 12 08.1	-4.2		
			SMN	M <sub>L</sub> =3.9		0.8	0.38
			SME			0.8	0.39
BTO	3.4	335	Pn	19 11 22.4	1.0		
			Pg	19 11 31.5	3.3		
			Sg	19 12 12.8	-2.0		
			SMN	M <sub>L</sub> =3.4		0.4	0.10
			SME			0.4	0.11
			SMZ	M <sub>L</sub> =3.5		0.4	0.10
TIA	4.4	106	Pg	19 11 44.2	-1.1		
			SMN	M <sub>L</sub> =3.9		0.3	0.17
			SME			0.3	0.20
			SMZ	M <sub>L</sub> =3.8		0.3	0.12
LZH	6.6	260	ePg	19 12 30.0	4.3		
			Sg	19 13 51.0	-5.2		
			SMN			2.0	0.32
			SME			1.0	0.20
WHN	7.3	163	ePn	19 12 16.0	1.9		
			Pg	19 12 41.5	5.4		
			Sn	19 13 36.5	-2.2		
			Sg	19 14 14.0	-1.3		
			SMN	M <sub>L</sub> =4.3		1.0	0.17
			SME			1.0	0.086

GTA	9.7	285	eP	19 12 47.5	-3.1		
			SMN			1.0	0.050
			SME			1.0	0.030
GYA	11.9	203	P	19 13 21.2	0.3		

JAN 25d 19h 58m 59.5±0.13s, SD1.82 / 46  
23.00 N±1.48km, 121.34 E±1.60km, h18±0.46km  
Taiwan (244)  
M<sub>S</sub>4.2 / 8, M<sub>L</sub>4.3 / 15,

QZH	3.2	308	Pn	19 59 49.8	0.8		
			Sn	20 00 25.5	-2.8		
			SMN	M <sub>L</sub> =4.2		0.5	0.85
			SME			0.5	0.68
			LN	M <sub>S</sub> =3.6		10.0	2.07
GZH	7.4	272	eP	20 00 49.5	0.5		
			SMN	M <sub>L</sub> =4.6		1.0	0.25
			SME			1.0	0.16
			LE	M <sub>S</sub> =4.0		11.0	1.20
NJ2	9.3	347	-P	20 01 17.0	1.3		
			S	20 03 02.3	1.8		
			LZ	M <sub>S</sub> =3.8		15.0	0.83
WHN	9.8	322	+P	20 01 20.0	-2.4		
			pP	20 01 28.5	0.3		
			sP	20 01 36.5	5.1		
			S	20 03 06.0	-6.5		
			LZ	M <sub>S</sub> =4.3		10.0	1.45
QZN	11.4	252	eP	20 01 46.6	1.2		
			eS	20 03 48.6	-5.2		
			LN	M <sub>S</sub> =4.0		14.0	0.60
			LE			15.0	0.60
GYA	13.8	287	P	20 02 17.2	0.5		
			sP	20 02 26.8	1.0		
			TIY	20 02 56.4	3.8		
KMI	17.1	281	eP	20 03 02.5	2.5		
BJI	17.5	347	eP	20 03 05.0	-0.1		
BTO	20.0	334	eP	20 03 30.5	-3.8		
			epP	20 03 44.0	3.7		
			LN	M <sub>S</sub> =4.9		12.0	1.70
			LE			12.0	1.20
			LZ	M <sub>S</sub> =4.7		12.0	1.70
LZH	20.0	315	eP	20 03 36.3	1.7		
GTA	24.5	317	eP	20 04 20.5	0.7		
			LE	M <sub>S</sub> =4.5		18.0	0.96

JAN 25d 20h 20m 04.9±0.07s, SD1.50 / 99  
37.26 N±1.43km, 141.55 E±1.37km, h43±0.88km  
Near east coast of Honshu (228)  
M<sub>S</sub>5.1 / 37, m<sub>B</sub>5.4 / 8, m<sub>b</sub>5.4 / 9,

MDJ	11.6	313	eP	20 22 54.0	2.5		
			pP	20 23 01.0	1.7		
			sP	20 23 06.0	0.7		
			eS	20 25 05.0	4.3		
			LZ	M <sub>S</sub> =5.1		22.0	17.0
CN2	13.9	303	eP	20 23 22.5	1.4		
			PMZ	m <sub>B</sub> =6.0		4.0	1.10
			pP	20 23 32.5	3.2		
			eS	20 25 58.0	3.7		
			SMN	m <sub>B</sub> =5.1		8.0	1.10
			LE	M <sub>S</sub> =4.9		15.0	4.40
			LZ	M <sub>S</sub> =4.7		21.0	5.70
SNY	14.6	294	+iP	20 23 31.0	0.4		
			eS	20 26 10.0	-1.4		
			sS	20 26 30.0	5.1		
			LN	M <sub>S</sub> =5.2		16.0	5.35
			LE			19.0	8.22
			LZ	M <sub>S</sub> =5.1		19.0	11.5
DL2	15.8	282	+P	20 23 47.5	1.6		
			pP	20 23 58.0	3.7		







			Sg	01 45 16.0	4.5					LN	$M_B=5.7$	19.0	3.07		
			SMN	$M_L=3.2$		0.9	0.050			LE		11.0	4.40		
			SME			0.9	0.030			LZ	$M_B=5.6$	13.0	7.46		
TIY	4.9	92	-iPg	01 44 16.6	0.5				LSA	37.7	82	-P	09 42 03.0	0.4	
			Sg	01 45 25.4	2.6				GTA	42.8	65	+iP	09 42 44.6	0.5	
			SMN	$M_L=3.9$		0.8	0.15					PMZ	$m_B=5.4$	10.0	0.57
			SME			0.4	0.15					S	09 49 08.5	4.3	
HHC	5.0	54	ePg	01 44 18.0	0.4							SMN		13.0	0.95
			Sg	01 45 19.8	-5.6							LE	$M_B=5.7$	16.0	4.85
			SMN	$M_L=3.8$		0.5	0.10		LZH	46.5	69	LZ	$M_B=5.5$	17.0	4.98
			SME			0.5	0.11					P	09 43 14.5	0.4	
GTA	5.2	287	Pn	01 44 08.5	0.8							pP	09 43 20.0	-4.1	
			Pg	01 44 22.5	0.5							PMZ	$m_B=5.4$	2.5	0.14
			Sn	01 45 04.7	-4.8							eS	09 50 03.0	3.4	
			Sg	01 45 30.0	-3.5							LN	$M_B=5.9$	13.0	3.88
			SMN	$M_L=3.3$		0.8	0.037					LE		13.0	4.72
			SME			0.6	0.033		CD2	47.8	76	eP	09 43 24.2	0.0	
<p>JAN 26d 02h 08m 28.1±0.09s, SD1.11 / 63                      5.68 S±0.89km, 147.65 E±1.53km, h44±0.30km                      Eastern New Guinea region (207)  <math>m_B=5.2/2,</math></p>															
SSE	44.5	327	+P	02 16 38.0	0.8							LE	$M_B=5.6$	13.0	2.40
			PMZ	$m_B=5.0$		1.0	0.025					LZ	$M_B=5.3$	16.0	2.70
			pP	02 16 46.7	-1.9				KMI	49.0	84	-P	09 43 33.5	0.4	
			LZ	$M_B=4.4$		20.0	0.46					PP	09 45 28.0	2.3	
QZN	44.6	304	+P	02 16 40.1	1.7				BTO	50.3	62	P	09 43 43.0	-0.3	
NJ2	46.5	326	+P	02 16 53.4	0.1							pP	09 43 52.5	-0.9	
WHN	48.1	320	eP	02 17 07.5	1.5							PP	09 45 40.0	1.1	
GYA	51.0	311	P	02 17 29.0	0.9							S	09 50 52.0	0.9	
KMI	53.3	307	eP	02 17 47.0	1.1							LN	$M_B=5.8$	13.0	1.20
XAN	53.8	320	-P	02 17 48.9	-0.7							LE		14.0	3.80
BJI	53.9	330	eP	02 17 50.0	-0.2				XAN	51.1	70	+P	09 43 48.0	-1.2	
TIY	54.2	326	eP	02 17 51.0	-1.3							S	09 51 05.0	3.2	
CD2	55.5	314	eP	02 18 01.6	-0.2							LN	$M_B=5.6$	15.0	2.80
BTO	57.6	327	eP	02 18 16.2	-0.2				HHC	51.4	61	P	09 43 51.8	0.2	
LZH	58.4	319	eP	02 18 22.3	0.0							pP	09 43 58.0	-3.7	
			PMZ	$m_B=5.4$		2.3	0.10					PcP	09 45 07.0	1.9	
GTA	62.9	320	eP	02 18 52.0	-1.1							S	09 51 12.0	5.8	
WMQ	73.0	319	eP	02 19 55.0	-0.8							SMN	$m_B=5.2$	10.0	0.19
<p>JAN 26d 03h 12m 24.4±0.04s, SD0.92 / 16                      1.20 S±0.52km, 146.04 E±0.78km, h32±0.10km                      Admiralty Islands region (199)</p>															
XAN	49.4	319	P	03 21 13.4	-0.4							SME		10.0	0.28
CD2	51.3	312	eP	03 21 28.2	0.0				GYA	51.7	80	P	09 43 53.4	-0.7	
BTO	53.0	326	eP	03 21 41.0	0.3							sP	09 44 06.0	-2.5	
GTA	58.5	319	+P	03 22 20.8	0.3							S	09 51 12.0	1.2	
<p>JAN 26d 05h 34m 54.8±0.05s, SD1.81 / 7                      43.77 N±0.53km, 83.57 E±0.45km, h16±0.17km                      Northern Xinjiang Province (332)  <math>M_L=3.4/7,</math></p>															
WMQ	3.0	88	Pn	05 35 42.5	0.3							LN	$M_B=5.6$	15.0	1.50
			Sg	05 36 23.8	-4.8							LE		15.0	2.20
			SMN	$M_L=3.2$		0.6	0.090		TIY	52.8	65	eP	09 44 01.5	-0.7	
<p>JAN 26d 09h 34m 47.7±0.07s, SD1.14 / 87                      32.58 N±1.79km, 46.96 E±1.23km, h38±0.81km                      Iran-Iraq border region (346)  <math>M_B=5.7/35, m_B=5.6/8, m_B=5.3/3,</math></p>															
KSH	24.4	65	+iP	09 40 06.0	2.3							pP	09 44 08.0	-4.4	
			pP	09 40 13.0	-0.3							PP	09 46 06.0	3.8	
			S	09 44 19.0	2.0							S	09 51 28.0	2.5	
			LE	$M_B=6.1$		13.0	25.9					LN	$M_B=5.6$	13.0	1.59
WMQ	33.6	59	+P	09 41 27.2	0.0				BJI	55.0	61	eP	09 44 17.5	-0.8	
			PP	09 42 39.0	-0.5							ePP	09 46 18.0	-4.1	
			S	09 46 48.0	2.7							eS	09 52 00.0	3.7	
<p>JAN 26d 09h 34m 47.7±0.07s, SD1.14 / 87                      32.58 N±1.79km, 46.96 E±1.23km, h38±0.81km                      Iran-Iraq border region (346)  <math>M_B=5.7/35, m_B=5.6/8, m_B=5.3/3,</math></p>															
			LE	$M_B=5.6$		14.0	1.95					LN	$M_B=5.4$	13.0	1.42
			LZ	$M_B=5.3$		20.0	2.50		WHN	56.6	73	LZ	$M_B=5.7$	18.0	5.63
			+P	09 41 27.2	0.0							eP	09 44 29.0	-0.4	
			PP	09 42 39.0	-0.5							pP	09 44 39.0	-0.8	
			S	09 46 48.0	2.7							S	09 52 16.0	0.1	
									TIA	56.8	65	+P	09 44 30.6	-0.9	
												eS	09 52 20.0	-0.8	
												SMN	$m_B=5.6$	10.0	0.66



			SME			10.0	0.48	WHN	58.2	280	eP	12 09 30.5	-0.7		
			LN	$M_s = 5.7$		17.0	2.76	XAN	59.0	287	eP	12 09 36.6	0.0		
			LE			14.0	1.80	GTA	60.4	297	P	12 09 45.7	-0.6		
			LZ	$M_s = 5.1$		14.0	1.16	CD2	64.2	288	eP	12 10 11.7	-0.4		
QZN	57.5	87	eP		09 44 36.0	0.1		GYA	65.8	282	P	12 10 22.4	0.1		
			S		09 52 29.0	1.2									
			ScS		09 54 21.0	3.4									
DL2	59.4	61	P		09 44 50.0	0.8									
			pP		09 45 00.0	0.4									
			eS		09 52 55.0	1.1									
			LN	$M_s = 5.7$		12.0	1.35								
			LE			16.0	1.92								
NJ2	59.6	69	+P		09 44 49.6	-1.2									
			eS		09 52 54.0	-2.9									
			LN	$M_s = 5.9$		14.0	0.88	BTO	4.0	48	Pg	13 26 42.6	-2.3		
			LE			14.0	3.64	TIY	5.0	91	ePg	13 27 06.0	3.0		
			LZ	$M_s = 5.4$		17.0	2.67								
SNY	59.9	57	+iP		09 44 51.0	-1.5									
			S		09 52 58.0	-0.9									
			LN	$M_s = 5.8$		14.0	2.34	HHC	5.1	54	ePg	13 27 05.2	0.8		
			LE			13.0	1.85								
			LZ	$M_s = 5.6$		16.0	3.52								
CN2	60.6	55	eP		09 44 57.0	-0.3		GTA	5.1	288	ePn	13 26 52.0	0.6		
			pP		09 45 07.0	-0.6									
			eS		09 53 09.0	0.0									
			LE	$M_s = 5.8$		13.0	3.00								
			LZ	$M_s = 5.8$		14.0	5.40								
SSE	61.8	69	P		09 45 04.0	-1.8									
			PMZ	$m_b = 5.9$		5.0	0.86								
			S		09 53 20.0	-3.9									
			SS		09 57 34.0	6.3									
			LN	$M_s = 5.7$		14.0	1.54								
			LE			14.0	1.54	WMQ	67.1	43	eP	14 00 50.0	-0.7		
			LZ	$M_s = 5.6$		20.0	4.63	BTO	76.9	28	eP	14 01 49.0	-0.5		
QZH	62.2	77	-P		09 45 10.0	1.6		TIY	80.3	28	eP	14 02 07.4	-0.3		
			LN	$M_s = 5.3$		14.0	0.98	GYA	89.2	36	P	14 02 54.0	1.2		
MDJ	63.1	53	eP		09 45 13.5	-0.9									
			S		09 53 38.0	-2.0									
<p>JAN 26d 09h 45m <math>49.4 \pm 0.07s</math>, SD1.00 / 44  <math>32.90 N \pm 1.17km</math>, <math>47.02 E \pm 1.15km</math>, <math>h81 \pm 0.61km</math>                      Iran-Iraq border region (346)  <math>M_s 5.4 / 1</math>, <math>m_b 5.2 / 1</math>,</p>															
KSH	24.2	66	P		09 51 02.4	2.8									
WMQ	33.4	59	P		09 52 23.0	0.2									
GTA	42.6	66	+P		09 53 40.4	0.6									
LZH	46.4	69	eP		09 54 10.3	0.3									
			PMZ	$m_b = 5.2$		1.0	0.035								
XAN	50.9	71	+P		09 54 44.5	-0.6									
GYA	51.6	81	P		09 54 49.6	-0.9									
QZN	57.4	87	eP		09 55 31.8	-0.6									
CN2	60.3	55	-P		09 55 52.0	-0.7									
<p>JAN 26d 14h 36m <math>29.4 \pm 0.07s</math>, SD1.17 / 35  <math>32.62 N \pm 1.10km</math>, <math>46.88 E \pm 1.22km</math>, <math>h36 \pm 1.00km</math>                      Iran-Iraq border region (346)  <math>M_s 4.8 / 1</math>,</p>															
KSH	24.4	65	eP									14 41 47.0	1.0		
			eS									14 46 03.0	2.2		
			LE											13.0	1.30
WMQ	33.7	59	P									14 43 09.5	0.1		
GTA	42.8	65	+P									14 44 27.0	0.6		
LZH	46.6	69	eP									14 44 57.0	0.6		
BTO	50.3	62	eP									14 45 25.6	0.0		
HHC	51.4	61	eP									14 45 33.8	0.0		
GYA	51.8	80	P									14 45 35.2	-1.3		
<p>JAN 26d 14h 49m <math>56.7 \pm 0.07s</math>, SD0.74 / 21  <math>57.98 N \pm 1.30km</math>, <math>32.58 W \pm 0.63km</math>, <math>h11 \pm 0.11km</math>                      North Atlantic Ocean (402)</p>															
GTA	75.1	36	eP									15 01 40.3	-1.3		
BTO	76.9	28	eP									15 01 51.8	0.0		
HHC	77.1	27	eP									15 01 52.8	0.2		
LZH	79.4	35	eP									15 02 06.0	0.4		
<p>JAN 26d 15h 42m <math>43.3 \pm 0.05s</math>, SD0.96 / 41  <math>57.80 N \pm 1.36km</math>, <math>32.66 W \pm 1.05km</math>, <math>h12 \pm 0.20km</math>                      North Atlantic Ocean (402)  <math>M_s 5.1 / 1</math>, <math>m_b 5.2 / 1</math>,</p>															
WMQ	67.2	43	P									15 53 40.0	-0.6		
GTA	75.3	36	P									15 54 28.0	-1.0		
			LZ											15.0	0.62
BTO	77.1	28	eP									15 54 39.0	-0.3		
HHC	77.2	27	eP									15 54 39.8	-0.3		
<p>JAN 26d 11h 59m <math>35.2 \pm 0.30s</math>, SD0.82 / 22  <math>52.36 N \pm 1.44km</math>, <math>169.59 W \pm 0.75km</math>, <math>h19 \pm 2.40km</math>                      Fox Islands (9)</p>															
BTO	53.8	292	eP		12 09 01.2	1.2									





BJI	79.1	24	eP	15 54 49.0	-1.0		
LZH	79.6	35	eP	15 54 52.0	-1.0		
			PMZ	$m_b = 5.2$		1.5	0.039
TIY	80.4	27	eP	15 54 57.2	-0.2		
XAN	83.0	31	P	15 55 09.8	-0.9		
CD2	84.4	37	eP	15 55 17.0	-0.7		
WHN	87.7	28	eP	15 55 33.0	-1.2		
GYA	89.4	36	P	15 55 43.0	0.6		

XAN	82.9	31	P	19 36 52.5	-0.5		
NJ2	87.3	24	eP	19 37 14.0	-0.7		
WHN	87.7	28	eP	19 37 16.5	0.0		
KMI	89.3	40	+P	19 37 24.0	-0.6		

JAN 26d 16h 02m  $25.9 \pm 0.08s$ , SD1.13 / 31  
 20.96 S  $\pm 1.52km$ , 178.71 W  $\pm 1.84km$ , h591  $\pm 0.60km$   
 Fiji region (181)

NJ2	79.7	310	eP	16 13 34.0	-0.9		
MDJ	80.5	325	+P	16 13 40.0	0.7		
WHN	82.2	307	eP	16 13 48.0	0.2		
CN2	82.3	323	-P	16 13 48.0	-0.2		
GYA	86.3	300	P	16 14 08.0	-0.1		
HHC	89.2	315	eP	16 14 21.8	0.1		
BTO	90.1	314	eP	16 14 25.3	-0.6		
LZH	92.5	308	eP	16 14 38.0	1.1		

JAN 26d 19h 32m  $40.6 \pm 0.18s$ , SD3.78 / 8  
 21.63 N  $\pm 1.51km$ , 111.89 E  $\pm 1.41km$ , h23  $\pm 0.40km$   
 Eastern China (664)  
 $M_L 3.5 / 6$

GZH	2.0	43	+Pn	19 33 09.5	-3.7		
			Pg	19 33 15.0	-0.7		
			Sg	19 33 40.5	-2.4		
			SMN	$M_L = 3.5$		0.8	0.35
			SME			0.8	0.53
QZN	3.2	217	ePg	19 33 37.2	-0.4		
			Sn	19 34 05.6	-4.1		
			Sg	19 34 19.4	-2.2		
			SMN	$M_L = 3.0$		0.6	0.050
			SME			0.6	0.060
GYA	6.8	316	ePg	19 34 41.4	0.9		
			Sg	19 36 09.6	-3.4		

JAN 26d 16h 31m  $21.8 \pm 0.15s$ , SD1.43 / 40  
 57.99 N  $\pm 2.67km$ , 32.48 W  $\pm 1.55km$ , h10  $\pm 0.24km$   
 North Atlantic Ocean (402)  
 $m_b 4.9 / 1$

WMQ	67.0	43	P	16 42 18.5	0.4		
GTA	75.1	36	+P	16 43 06.8	0.1		
BTO	76.9	28	eP	16 43 17.0	0.1		
BJI	78.9	24	eP	16 43 26.5	-1.2		
LZH	79.4	35	eP	16 43 31.0	0.3		
			PMZ	$m_b = 4.9$		2.0	0.024
TIY	80.2	28	eP	16 43 36.0	0.9		
XAN	82.8	31	P	16 43 47.3	-1.1		
NJ2	87.1	24	eP	16 44 09.5	-0.6		
WHN	87.5	28	eP	16 44 09.5	-2.5		
GYA	89.2	36	P	16 44 21.0	0.8		

JAN 26d 20h 38m  $36.8 \pm 0.19s$ , SD3.86 / 8  
 30.03 N  $\pm 1.75km$ , 102.31 E  $\pm 1.35km$ , h13  $\pm 0.69km$   
 Sichuan Province (307)  
 $M_L 3.3 / 4$

CD2	1.5	55	Pn	20 39 01.8	-2.4		
			Pg	20 39 02.3	-1.5		
			Sg	20 39 20.4	-4.3		
			SMN	$M_L = 3.4$		0.6	0.60
			SME			0.4	0.30
GYA	5.2	132	ePg	20 40 12.6	3.1		
			Sn	20 40 53.0	-4.6		
XAN	6.9	53	Pg	20 40 43.5	5.0		
			Sg	20 42 10.0	-2.5		
			SMN	$M_L = 3.1$		1.1	0.010
			SME			1.0	0.010

JAN 26d 16h 56m  $45.0 \pm 0.25s$ , SD2.94 / 34  
 55.84 S  $\pm 4.96km$ , 27.72 W  $\pm 8.07km$ , h118  $\pm 2.89km$   
 South Sandwich Islands region (153)

WMQ	138.2	79	ePKP	17 15 52.5	-5.0		
GTA	142.0	93	ePKP	17 15 59.7	-4.7		
XAN	143.2	108	ePKP	17 16 03.5	-2.8		
WHN	143.3	118	PKP	17 16 04.0	-2.3		
SSE	147.0	126	-PKP	17 16 15.5	2.7		
			LZ			16.0	0.44
TIY	147.8	107	ePKP	17 16 17.6	3.4		
BTO	148.6	101	ePKP	17 16 19.5	4.1		
HHC	149.6	102	ePKP	17 16 22.2	5.1		

JAN 27d 03h 46m  $58.5 \pm 0.09s$ , SD1.25 / 43  
 39.82 N  $\pm 1.50km$ , 45.05 E  $\pm 1.02km$ , h32  $\pm 0.16km$   
 North-Western Iran-USSR border regio (344)  
 $M_S 4.8 / 1$

KSH	23.7	81	eP	03 52 10.0	1.1		
			PP	03 52 48.0	6.5		
			eS	03 56 20.0	1.1		
			LN	$M_S = 4.8$		8.0	0.90
WMQ	31.8	69	P	03 53 23.0	0.4		
GTA	41.6	72	P	03 54 46.2	0.3		
BTO	48.6	67	eP	03 55 41.8	0.3		
HHC	49.6	66	eP	03 55 50.0	0.8		
KMI	50.0	89	-P	03 55 53.0	0.3		
XAN	50.4	75	P	03 55 55.2	-0.4		
TIY	51.4	69	eP	03 56 04.4	1.1		
GYA	52.3	85	P	03 56 09.6	-0.5		
BJI	53.1	65	eP	03 56 15.0	-0.9		
SSE	60.9	72	eP	03 57 10.5	-0.7		

JAN 26d 19h 24m  $25.4 \pm 0.07s$ , SD0.70 / 59  
 57.81 N  $\pm 1.37km$ , 32.55 W  $\pm 0.84km$ , h10  $\pm 0.06km$   
 North Atlantic Ocean (402)  
 $M_S 5.3 / 3$ ,  $m_b 5.5 / 2$

KSH	66.2	53	eP	19 35 17.0	0.8		
			LN	$M_S = 5.3$		12.0	0.80
WMQ	67.2	43	P	19 35 23.0	0.2		
GTA	75.2	36	-P	19 36 10.3	-1.0		
			LZ	$M_S = 5.0$		17.0	0.60
MDJ	76.9	13	P	19 36 18.5	-1.8		
BTO	77.1	28	P	19 36 21.0	-0.6		
CN2	77.1	16	+P	19 36 21.0	-0.7		
BJI	79.1	24	eP	19 36 32.0	-0.3		
LZH	79.6	35	eP	19 36 35.0	-0.3		
			PMZ	$m_b = 5.6$		2.0	0.12
TIY	80.4	27	eP	19 36 39.7	0.0		
			LZ	$M_S = 4.9$		16.0	0.48
TIA	82.9	24	eP	19 36 52.8	-0.1		

JAN 27d 04h 55m  $45.7 \pm 0.14s$ , SD4.31 / 9  
 33.12 N  $\pm 1.19km$ , 104.61 E  $\pm 1.22km$ , h12  $\pm 0.32km$   
 Sichuan Province (307)  
 $M_L 3.2 / 6$

CD2	2.3	198	ePn	04 56 24.5	0.2		
			Sn	04 56 57.0	2.4		
			SMN	$M_L = 3.2$		0.8	0.20
			SME			0.6	0.10
LZH	3.0	348	ePn	04 56 36.0	1.9		
			Sn	04 57 13.0	1.1		
			SME	$M_L = 3.6$		1.0	0.25





JAN 27d 07h 11m 54.2 ± 0.09s, SD1.14 / 36  
8.78 S ± 1.32km, 124.13 E ± 2.03km, h140 ± 0.11km  
Timor (289)  
m<sub>b</sub>5.6 / 1,

GYA	38.9	335	P	07 19 08.6	0.3
KMI	39.6	329	eP	07 19 17.0	2.8
WHN	40.2	347	eP	07 19 20.2	1.5
NJ2	40.9	353	+P	07 19 23.5	-1.0
CD2	44.0	335	eP	07 19 50.0	0.0
XAN	45.0	342	+P	07 19 56.5	-0.9
LZH	48.5	338	eP	07 20 25.5	-0.1
BJI	49.1	352	eP	07 20 29.0	-0.8
GTA	53.0	336	P	07 20 58.5	-0.7
MDJ	53.4	5	+P	07 21 01.5	-0.3
WMQ	61.9	331	P	07 22 01.8	0.1

JAN 27d 07h 44m 13.3 ± 0.08s, SD1.36 / 39  
32.69 N ± 1.42km, 46.92 E ± 1.37km, h34 ± 0.80km  
Iran-Iraq border region (346)

KSH	24.3	66	-P	07 49 32.0	2.4
			ePP	07 50 10.0	5.4
			eS	07 53 50.0	5.8
WMQ	33.6	59	P	07 50 53.2	0.2
GTA	42.8	65	+P	07 52 10.3	0.3
LZH	46.5	69	eP	07 52 41.0	0.9
XAN	51.1	70	P	07 53 14.4	-0.8
GYA	51.8	80	P	07 53 19.0	-1.3
CN2	60.5	55	-P	07 54 22.6	-0.5

JAN 27d 11h 27m 16.6 ± 0.09s, SD1.16 / 50  
20.05 S ± 1.30km, 133.59 E ± 1.29km, h5 ± 0.21km  
Northern Territory, Australia (591)  
m<sub>b</sub>5.5 / 2,

QZN	45.3	328	eP	11 35 37.9	0.4
WHN	53.6	339	eP	11 36 42.0	0.6
NJ2	53.7	344	eP	11 36 42.0	-0.2
CD2	58.2	330	eP	11 37 14.8	0.0
XAN	58.7	336	P	11 37 16.4	-1.8
TIY	60.8	341	-P	11 37 31.6	-1.1
BJI	61.9	345	eP	11 37 39.0	-1.3
LZH	62.5	333	P	11 37 45.0	0.6
			PMZ	m <sub>b</sub> = 5.4	1.0 0.052
HHC	63.9	342	eP	11 37 52.8	-1.0
BTO	64.2	340	eP	11 37 54.7	-0.7
GTA	67.0	332	+iP	11 38 14.4	0.6
WMQ	76.2	328	P	11 39 09.0	0.5

JAN 27d 11h 56m 27.0 ± 0.06s, SD0.73 / 41  
57.87 N ± 1.46km, 32.58 W ± 0.71km, h10 ± 0.06km  
North Atlantic Ocean (402)  
m<sub>b</sub>5.2 / 1,

WMQ	67.2	43	P	12 07 24.0	-0.2
GTA	75.2	36	P	12 08 11.7	-1.0
BTO	77.0	28	P	12 08 23.0	0.1
LZH	79.5	35	eP	12 08 36.0	-0.6
			PMZ	m <sub>b</sub> = 5.2	2.0 0.049
TIY	80.4	27	eP	12 08 41.2	0.1
TIA	82.9	24	eP	12 08 53.9	-0.3
CD2	84.3	37	eP	12 09 00.8	-0.5
WHN	87.6	28	+P	12 09 17.0	-0.9
GYA	89.3	36	P	12 09 26.4	0.3

JAN 27d 12h 04m 14.4 ± 0.06s, SD1.28 / 30  
57.58 N ± 1.57km, 32.66 W ± 1.15km, h12 ± 0.26km  
North Atlantic Ocean (402)

WMQ	67.4	43	P	12 15 12.5	-0.2
GTA	75.5	36	P	12 15 59.8	-1.3
BTO	77.3	28	P	12 16 11.0	-0.4

HHC	77.4	27	eP	12 16 12.0	-0.3
TIY	80.6	27	eP	12 16 29.6	0.1
GYA	89.6	36	P	12 17 14.0	-0.3

JAN 27d 12h 43m 03.8 ± 0.13s, SD1.21 / 21  
17.75 S ± 0.80km, 178.37 W ± 1.62km, h557 ± 1.43km  
Fiji region (181)

MDJ	78.1	325	eP	12 54 08.0	0.7
CN2	79.9	322	eP	12 54 16.0	-1.0
TIY	85.2	312	+P	12 54 44.0	0.5
XAN	86.2	307	P	12 54 48.5	0.2

JAN 27d 13h 05m 00.7 ± 0.06s, SD0.98 / 47  
32.63 N ± 1.14km, 46.83 E ± 1.14km, h40 ± 0.69km  
Iran-Iraq border region (346)  
M<sub>s</sub>4.8 / 1, m<sub>b</sub>5.1 / 1,

KSH	24.4	65	P	13 10 19.0	1.7
			eS	13 14 30.0	-2.0
			LE	M <sub>s</sub> = 4.8	11.0 1.00
WMQ	33.7	59	P	13 11 40.6	0.0
GTA	42.9	65	+iP	13 12 57.6	0.0
LZH	46.6	69	eP	13 13 28.0	0.4
			PMZ	m <sub>b</sub> = 5.1	2.5 0.070
CD2	47.9	76	eP	13 13 37.2	-0.6
BTO	50.4	62	eP	13 13 56.6	-0.1
XAN	51.2	70	P	13 14 01.7	-1.0
HHC	51.5	61	P	13 14 05.3	0.3
GYA	51.8	80	P	13 14 06.4	-1.3
BJI	55.1	61	eP	13 14 30.5	-1.1
CN2	60.6	55	+P	13 15 09.0	-1.5

JAN 27d 17h 21m 25.8 ± 0.16s, SD1.56 / 37  
2.56 S ± 1.59km, 126.90 E ± 1.45km, h51 ± 1.44km  
Buru (271)

GYA	34.9	327	P	17 28 14.6	0.0
CD2	39.9	328	eP	17 28 56.9	-0.2
XAN	40.1	337	P	17 28 58.0	-1.0
TIY	42.3	343	eP	17 29 15.4	-0.9
BJI	43.5	348	eP	17 29 25.0	-1.5
LZH	44.1	333	eP	17 29 32.0	0.8
LSA	46.9	316	P	17 29 53.8	0.0
GTA	48.6	332	+P	17 30 06.9	-0.2
WMQ	58.0	327	P	17 31 16.0	-0.4

JAN 27d 19h 16m 44.6 ± 0.11s, SD0.80 / 71  
57.96 N ± 1.88km, 32.59 W ± 1.15km, h10 ± 0.10km  
North Atlantic Ocean (402)  
M<sub>s</sub>5.2 / 9, m<sub>b</sub>5.8 / 2, m<sub>b</sub>5.2 / 2,

KSH	66.1	53	eP	19 27 36.0	1.1
			pP	19 27 42.0	1.7
			LN	M <sub>s</sub> = 5.6	12.0 1.50
GTA	75.1	36	+iP	19 28 28.7	-1.1
			PMZ	m <sub>b</sub> = 5.8	4.0 0.41
			PcP	19 28 42.0	-0.5
			PP	19 31 17.0	-2.0
			LN	M <sub>s</sub> = 5.1	13.0 0.42
MDJ	76.7	13	eP	19 28 35.3	-3.3
BTO	76.9	28	eP	19 28 40.0	0.0
CN2	77.0	16	+P	19 28 40.0	0.0
			PMZ	m <sub>b</sub> = 5.8	5.0 0.50
			PcP	19 28 51.0	0.6
			eS	19 38 28.0	0.6
			LE	M <sub>s</sub> = 5.4	16.0 1.00
			LZ	M <sub>s</sub> = 5.2	15.0 0.90
HHC	77.1	27	P	19 28 40.0	-0.8
BJI	78.9	24	eP	19 28 50.5	-0.3
LZH	79.4	35	eP	19 28 54.0	0.2



TIY	80.3	27	-P	19 28 58.4	0.2			
			PP	19 32 03.5	2.3			
			LE	$M_s=5.4$	14.0	0.71		
DL2	81.1	20	eP	19 29 02.0	-0.5			
			S	19 39 12.0	2.4			
			LZ	$M_s=5.0$	20.0	0.63		
TIA	82.8	24	eP	19 29 11.0	-0.3			
			LN	$M_s=5.3$	15.0	0.66		
XAN	82.8	31	P	19 29 11.0	-0.5			
CD2	84.2	37	eP	19 29 18.6	0.1			
NJ2	87.2	24	+P	19 29 33.0	-0.2			
WHN	87.6	28	P	19 29 35.1	0.1			
			LZ	$M_s=5.4$	16.0	1.20		
SSE	88.6	22	P	19 29 38.5	-1.4			
			S	19 40 21.0	-2.2			
			LE	$M_s=5.2$	14.0	0.39		
			LZ	$M_s=5.2$	20.0	0.93		
KMI	89.2	40	+P	19 29 43.0	-0.2			
			eS	19 40 30.0	-1.2			
			LZ	$M_s=5.0$	22.0	0.60		
GYA	89.3	36	P	19 29 43.6	0.3			

			eS	00 46 36.0	4.2			
			LZ	$M_g=5.0$	20.0	1.46		
XAN	53.5	318	P	00 39 09.5	-0.4			
TIY	53.6	323	eP	00 39 09.8	-0.6			
			LE	$M_g=5.1$	18.0	1.06		
			LZ	$M_g=5.1$	22.0	1.94		
CD2	55.5	312	eP	00 39 24.0	-0.4			
HHC	56.1	326	P	00 39 29.1	-0.2			
BTO	56.9	325	eP	00 39 34.0	-0.4			
			ePP	00 41 41.0	-0.4			
			eS	00 47 26.5	3.5			
			LN	$M_g=5.2$	17.0	0.90		
			LE		17.0	0.60		
			LZ	$M_g=5.0$	17.0	1.10		
LZH	58.1	317	eP	00 39 43.5	0.4			
			PMZ	$m_b=5.3$	1.5	0.059		
GTA	62.6	318	P	00 40 14.0	0.5			
LSA	64.9	305	P	00 40 29.0	-0.1			
WMQ	72.6	318	P	00 41 17.9	1.3			
KSH	79.7	311	eP	00 42 02.0	5.2			

JAN 27d 19h 20m  $18.6 \pm 0.11s$ , SD0.72 / 27  
 57.95 N  $\pm 1.49km$ , 32.51 W  $\pm 0.79km$ , h10  $\pm 0.31km$   
 North Atlantic Ocean (402)  
 $M_s 5.3 / 1$ ,  $m_b 5.2 / 1$ ,

BTO	76.9	28	eP	19 32 14.0	0.0			
			esP	19 32 20.0	-1.9			
			eS	19 42 00.0	-1.4			
			LN	$M_s=5.3$	15.0	0.50		
			LE		15.0	0.40		
			LZ	$M_g=5.1$	15.0	0.80		
CN2	77.0	16	eP	19 32 13.0	-1.0			
LZH	79.4	35	eP	19 32 27.0	-0.7			
			PMZ	$m_b=5.2$	1.5	0.039		
XAN	82.8	31	P	19 32 45.4	0.0			
CD2	84.2	37	eP	19 32 52.2	-0.3			
NJ2	87.2	24	eP	19 33 06.5	-0.6			
GYA	89.2	36	P	19 33 17.0	-0.2			

JAN 28d 01h 34m  $49.0 \pm 0.08s$ , SD0.98 / 33  
 32.60 N  $\pm 0.75km$ , 46.82 E  $\pm 0.97km$ , h49  $\pm 1.20km$   
 Iran-Iraq border region (346)

KSH	24.5	65	eP	01 40 07.0	2.0			
			eS	01 44 22.0	3.2			
WMQ	33.7	59	P	01 41 28.3	0.1			
GTA	42.9	65	P	01 42 45.0	-0.1			
LZH	46.6	69	eP	01 43 15.5	0.4			
GYA	51.9	80	P	01 43 54.0	-1.1			
CN2	60.6	55	-P	01 44 56.8	-1.2			

JAN 27d 22h 38m  $52.9 \pm 0.04s$ , SD1.33 / 7  
 43.71 N  $\pm 0.53km$ , 84.11 E  $\pm 0.37km$ , h11  $\pm 0.10km$   
 Northern Xinjiang Province (332)  
 $M_L 3.0 / 7$ ,

WMQ	2.6	87	ePn	22 39 36.6	1.1			
			Pg	22 39 38.4	-0.6			
			Sg	22 40 11.2	-3.5			
			SMN	$M_L=3.0$	0.4	0.080		

JAN 28d 03h 19m  $48.5 \pm 0.05s$ , SD0.89 / 37  
 6.36 S  $\pm 0.67km$ , 130.64 E  $\pm 1.18km$ , h68  $\pm 0.19km$   
 Banda Sea (280)

NJ2	39.8	344	-P	03 27 17.8	0.7			
WHN	39.9	338	-P	03 27 19.0	1.4			
XAN	45.1	334	P	03 27 59.6	-0.9			
BJI	48.1	345	eP	03 28 22.0	-1.5			
LZH	49.1	331	eP	03 28 32.5	0.4			
GTA	53.7	331	+iP	03 29 06.3	-0.3			
WMQ	63.2	326	P	03 30 12.5	-0.1			

JAN 28d 00h 29m  $51.2 \pm 0.13s$ , SD1.26 / 54  
 3.47 S  $\pm 1.23km$ , 149.63 E  $\pm 1.74km$ , h46  $\pm 0.64km$   
 Bismarck Sea (203)  
 $M_s 5.1 / 5$ ,  $m_b 5.2 / 1$ ,  $m_p 5.3 / 1$ ,

SSE	43.8	324	eP	00 37 55.0	0.4			
			esP	00 38 08.0	-3.3			
			S	00 44 24.0	3.6			
			SME	$m_b=5.2$	8.0	0.28		
			ScS	00 47 44.0	-2.2			
			LN	$M_g=5.0$	18.0	0.75		
			LE		18.0	0.90		
			LZ	$M_g=4.9$	20.0	1.48		
NJ2	45.9	323	+P	00 38 11.0	-0.2			
			eS	00 44 54.0	2.8			
			LZ	$M_g=4.7$	18.0	0.89		
WHN	47.7	318	eP	00 38 24.0	-2.0			
			LZ	$M_g=5.1$	20.0	1.90		
GYA	51.1	308	P	00 38 52.8	0.9			
BJI	53.1	328	eP	00 39 05.0	-1.6			

JAN 28d 05h 03m  $07.6 \pm 0.09s$ , SD1.34 / 31  
 32.55 N  $\pm 1.23km$ , 46.89 E  $\pm 1.32km$ , h33  $\pm 0.58km$   
 Iran-Iraq border region (346)  
 $M_s 4.9 / 1$ ,

KSH	24.4	65	-P	05 08 27.0	2.3			
			pP	05 08 37.0	3.5			
			S	05 12 42.0	3.1			
			LE	$M_s=4.9$	12.0	1.50		
WMQ	33.7	59	P	05 09 48.5	0.4			
GTA	42.9	65	+P	05 11 04.1	-0.9			
LZH	46.6	69	eP	05 11 35.0	0.0			
XAN	51.2	70	P	05 12 09.2	-0.8			
GYA	51.8	80	P	05 12 13.6	-1.4			

JAN 28d 09h 10m  $34.6 \pm 0.10s$ , SD1.74 / 34  
 3.74 S  $\pm 1.29km$ , 149.39 E  $\pm 3.11km$ , h64  $\pm 1.24km$   
 Bismarck Sea (203)

BJI	53.2	328	eP	09 19 51.5	2.7			
CD2	55.5	312	eP	09 20 04.8	-1.0			
HHC	56.2	326	eP	09 20 10.0	-1.3			
BTO	56.9	325	eP	09 20 16.0	-0.4			
LZH	58.1	317	eP	09 20 25.0	0.3			
GTA	62.6	318	P	09 20 54.4	-0.7			
WMQ	72.7	318	eP	09 21 59.4	1.3			
KSH	79.7	311	eP	09 22 41.0	3.0			









	pP	11 29 19.0	-1.4		
	PcP	11 30 24.0	0.6		
	ScS	11 38 55.0	3.2		
	LN	$M_s=6.0$	19.0	8.64	
	LZ	$M_s=5.7$	30.0	11.3	
KSH	56.7 315	P	11 29 50.0	0.3	
	sP	11 30 10.0	4.4		
	ePP	11 31 54.0	-2.4		
	S	11 37 38.5	2.3		
	LE	$M_s=5.7$	14.0	2.90	

	eS	21 24 19.0	-1.3		
HHC	48.5 59	-P	21 17 37.0	-0.3	
TIY	49.5 63	+P	21 17 44.5	-0.2	
	S	21 24 51.0	2.2		
	LN	$M_s=4.9$	15.0	0.33	
	LE		15.0	0.54	
	LZ	$M_s=4.9$	20.0	1.12	
QZN	51.8 87	eP	21 18 03.8	1.6	
BJI	52.1 60	eP	21 18 04.0	-0.5	
WHN	52.3 72	P	21 18 06.0	-0.1	
	eS	21 25 28.0	-1.0		
	LE	$M_s=5.1$	20.0	1.10	
TIA	53.4 64	eP	21 18 14.7	0.3	
	LN	$M_s=5.1$	18.0	0.95	
NJ2	55.7 69	+P	21 18 30.4	-0.6	
SNY	57.4 56	eP	21 18 40.8	-2.3	
SSE	57.9 69	+P	21 18 46.2	-0.3	
	LZ	$M_s=4.9$	20.0	0.93	
CN2	58.4 54	+P	21 18 49.0	-1.2	
	epP	21 18 59.0	1.4		
	eS	21 26 48.0	-2.4		
	LN	$M_s=5.2$	16.0	1.00	
	LZ	$M_s=4.6$	26.0	0.60	

JAN 28d 14h 26m  $22.6 \pm 0.07s$ , SD1.27 / 16  
 5.36 N  $\pm 1.19km$ , 126.42 E  $\pm 1.70km$ , h31  $\pm 0.22km$   
 Talaud Islands (263)

XAN	32.8 333	P	14 32 54.0	-2.1	
TIY	34.6 340	eP	14 33 12.6	1.0	
BJI	35.7 346	eP	14 33 20.5	-0.4	
SNY	36.4 356	eP	14 33 26.6	0.1	
LZH	37.0 329	eP	14 33 30.0	-1.4	
GTA	41.6 328	eP	14 34 08.0	-1.6	

JAN 28d 15h 48m  $07.6 \pm 0.08s$ , SD1.12 / 68  
 32.27 N  $\pm 1.66km$ , 20.98 E  $\pm 1.34km$ , h11  $\pm 0.21km$   
 Near coast of Libya (401)

WMQ	52.5 57	P	15 57 24.0	0.6	
		PP	15 59 26.0	3.6	
		eS	16 04 55.0	6.3	
LSA	59.2 72	P	15 58 11.2	-1.0	
GTA	62.4 59	+P	15 58 33.0	-0.7	
LZH	66.6 61	eP	15 59 00.0	-1.1	
CD2	68.7 66	eP	15 59 13.5	-0.6	
BTO	69.2 55	eP	15 59 17.4	0.2	
XAN	71.3 61	P	15 59 29.5	-0.2	
TIY	72.1 56	eP	15 59 35.2	0.2	
GYA	73.0 69	P	15 59 39.6	-0.5	
BJI	73.6 53	eP	15 59 44.0	0.3	
WHN	77.0 62	eP	16 00 04.0	1.3	
SNY	77.6 48	eP	16 00 07.8	1.6	
CN2	77.7 46	eP	16 00 07.0	0.2	
NJ2	79.5 59	eP	16 00 16.8	0.0	

JAN 28d 21h 31m  $33.3 \pm 0.47s$ , SD4.12 / 6  
 35.86 N  $\pm 2.21km$ , 122.05 E  $\pm 3.36km$ , h9  $\pm 0.11km$   
 Yellow Sea  $M_L 3.6 / 9$ , (665)

DL2	3.1 354	ePg	21 32 30.0	2.6	
		Sg	21 33 04.5	-4.8	
		SMN	$M_L=3.1$	0.5	0.080
		SME		0.5	0.070
TIA	4.0 277	ePg	21 32 42.8	-1.4	
		Sg	21 33 34.7	-4.2	
		SMN	$M_L=3.7$	0.3	0.22
		SME		0.2	0.10
		SMZ	$M_L=3.7$	0.2	0.11

JAN 28d 21h 08m  $53.4 \pm 0.10s$ , SD1.17 / 80  
 28.07 N  $\pm 1.95km$ , 53.81 E  $\pm 1.28km$ , h21  $\pm 0.09km$   
 Southern Iran  $M_s 5.1 / 12$ ,  $m_b 5.4 / 2$ ,  $m_b 5.4 / 1$ , (353)

KSH	21.6 52	+iP	21 13 47.0	2.8	
		PP	21 14 11.0	3.2	
		S	21 17 43.0	6.4	
		LE	$M_s=5.5$	10.0	5.90
WMQ	31.4 51	P	21 15 15.4	0.0	
		pP	21 15 25.0	2.6	
		eS	21 20 20.0	-0.5	
		LN	$M_s=5.0$	12.0	1.35
LSA	32.6 78	P	21 15 26.1	-0.9	
GTA	39.5 61	+P	21 16 25.6	0.7	
		eS	21 22 29.0	2.7	
		SMN	$m_b=5.0$	8.0	0.22
		LN	$M_s=5.1$	15.0	1.29
LZH	42.8 66	P	21 16 52.3	0.6	
		PMZ	$m_b=5.4$	2.5	0.14
CD2	43.3 74	eP	21 16 55.6	-0.3	
GYA	46.7 79	P	21 17 22.2	-1.1	
XAN	47.1 68	+P	21 17 26.8	0.4	
		S	21 24 16.0	0.1	
		LN	$M_s=4.9$	12.0	0.56
BTO	47.3 59	P	21 17 28.5	0.2	
		pP	21 17 37.0	1.5	
		PP	21 19 19.0	0.8	

JAN 28d 22h 28m  $39.9 \pm 0.13s$ , SD2.35 / 16  
 40.50 N  $\pm 1.17km$ , 123.38 E  $\pm 1.09km$ , h10  $\pm 0.24km$   
 North-Eastern China  $M_s 3.4 / 1$ ,  $M_L 3.7 / 17$ , (658)

SNY	1.3 6	-iPn	22 29 04.5	-0.5	
		iPg	22 29 05.8	2.3	
		Sn	22 29 22.6	-2.0	
		Sg	22 29 24.4	2.6	
		SMN	$M_L=4.2$	0.5	3.96
		SME		0.5	3.05
DL2	2.1 221	Pg	22 29 16.5	-0.3	
		Sg	22 29 42.5	-2.9	
		SMN	$M_L=3.8$	0.5	0.69
		SME		0.5	0.61
CN2	3.6 24	ePn	22 29 34.6	-2.1	
		Pg	22 29 45.5	1.4	
		Sn	22 30 16.0	-5.7	
		iSg	22 30 35.0	1.1	
		SMN	$M_L=4.0$	0.8	0.36
		SME		0.8	0.44
MDJ	6.2 46	ePg	22 30 34.5	5.7	
		SME	$M_L=4.0$	0.8	0.10

JAN 28d 22h 37m  $00.1 \pm 0.12s$ , SD2.29 / 19  
 40.61 N  $\pm 1.20km$ , 123.40 E  $\pm 1.17km$ , h13  $\pm 0.25km$   
 North-Eastern China  $M_s 3.8 / 1$ ,  $M_L 3.8 / 20$ , (658)

SNY	1.2 6	-iPn	22 37 23.8	0.4	
		iPg	22 37 24.8	2.9	
		Sn	22 37 42.0	0.4	









GYA	40.5	258	eS	02 52	45.5	-4.5			WHN	32.7	256	eP	06 34	29.5	-2.8														
			LN			$M_s=6.1$		17.0	13.8	pP				06 34	42.5	-0.8													
			LZ			$M_s=5.6$		13.0	6.10	+iP	LZH	37.0	273		06 35	10.5	1.3												
			P	02 46	54.0	-0.4				PMZ						$m_b=5.2$	1.5	0.059											
			sP	02 47	13.6	3.4				+iP	GTA	38.3	280		06 35	20.7	1.0												
			PP	02 48	32.0	0.8				pP					06 35	32.7	1.9												
			S	02 53	02.0	2.9				LE						$M_s=4.9$	13.0	0.74											
QZN	43.5	247	LN			$M_s=6.1$	15.0	6.70	CD2	39.8	266	P	06 35	33.1	0.3														
			LE				15.0	12.0	GYA	40.5	258	P	06 35	38.6	0.1														
			P	02 47	20.0	1.4			WMQ	44.5	292	P	06 36	12.0	0.8														
			PP	02 49	02.0	0.3			KSH	54.3	293	P	06 37	27.0	0.6														
KMI	44.1	260	LN			$M_s=6.0$	14.0	5.90	JAN 29d 10h 19m $30.3 \pm 0.08s$ , SD1.06 / 76 19.93 S $\pm 1.33km$ , 133.82 E $\pm 1.48km$ , h4 $\pm 0.16km$ Northern Territory, Australia (591) $m_b 5.1 / 2$ ,																				
			LE				14.0	7.40																					
			eP	02 47	23.5	-0.2																							
			PMZ			$m_b=6.0$	7.0	1.70																					
WMQ	44.5	292	sP	02 47	40.0	0.7			QZN	45.3	327	+P	10 27	52.1	0.6														
			PP	02 49	09.0	1.4			SSE	52.2	346	P	10 28	44.1	-0.6														
			eS	02 53	48.0	-4.9			PMZ						$m_b=4.8$	1.0	0.013												
			SS	02 57	01.0	-1.4			GYA	53.1	329	P	10 28	52.0	0.1														
			LN			$M_s=5.8$	16.0	6.30	WHN	53.6	339	P	10 28	55.8	0.7														
			P	02 47	28.0	1.1			NJ2	53.6	344	-P	10 28	56.0	0.4														
			PMZ			$m_b=6.1$	9.0	2.58	TIA	58.0	344	P	10 29	26.3	-1.0														
LSA	49.4	273	pP	02 47	41.0	3.0			CD2	58.2	330	+iP	10 29	29.0	0.3														
			PP	02 49	14.0	2.2			XAN	58.7	336	P	10 29	30.5	-1.4														
			S	02 53	56.0	-1.6			TIY	60.8	341	+iP	10 29	45.7	-0.6														
			LE			$M_s=6.3$	15.0	16.9	BJI	61.9	345	eP	10 29	53.0	-0.8														
			LZ			$M_s=6.1$	16.0	17.3	SNY	62.2	351	+P	10 29	54.1	-1.6														
			P	02 48	06.0	0.2			CN2	63.9	353	eP	10 30	05.7	-1.4														
			sP	02 48	20.1	-1.1			HHC	63.9	341	-P	10 30	07.7	0.3														
KSH	54.3	293	LN			$M_s=5.9$	15.0	2.88	LSA	64.2	319	+P	10 30	10.2	0.4														
			LE				14.0	5.13	GTA	67.0	332	+iP	10 30	28.4	0.7														
			+iP	02 48	43.0	0.8			WMQ	76.2	328	+iP	10 31	23.8	1.3														
			PMZ			$m_b=6.2$	6.0	1.90	KSH	80.1	318	eP	10 31	45.0	1.1														
JAN 29d 06h 28m $01.4 \pm 0.08s$ , SD1.41 / 70 45.45 N $\pm 3.00km$ , 151.76 E $\pm 1.79km$ , h44 $\pm 1.47km$ Kurile Islands region (222) $M_s 4.6 / 8$ , $m_b 5.2 / 1$ ,			pP	02 48	53.0	-0.5			JAN 29d 15h 29m $29.5 \pm 0.08s$ , SD1.27 / 41 27.99 N $\pm 1.96km$ , 53.79 E $\pm 1.23km$ , h33 $\pm 0.07km$ Southern Iran (353)																				
			S	02 56	19.0	5.1																							
			eScS	02 58	25.0	1.9																							
			LN			$M_s=6.5$	12.0	15.1																					
			MDJ	15.7	275	eP	06 31	40.0										-1.3			KSH	21.6	52	eP	15 34	17.5	-1.8		
						pP	06 31	49.0										-0.7			WMQ	31.4	51	P	15 35	52.0	1.7		
						S	06 34	28.0										-4.9			GTA	39.6	61	P	15 37	00.0	0.3		
						LZ												$M_s=4.5$	16.0	2.30	CD2	43.3	74	eP	15 37	29.7	-0.9		
			CN2	18.8	274	+P	06 32	17.6										-2.1			XAN	47.2	68	P	15 38	00.0	-1.1		
						-P	06 32	40.0										-0.3			BTO	47.4	59	eP	15 38	04.8	1.7		
			SNY	20.7	270	-P	06 32	40.0										-0.3			TIY	49.5	63	eP	15 38	19.3	-0.2		
						eP	06 33	37.0										-0.4			BJI	52.1	60	eP	15 38	39.0	-0.2		
BJI	26.5	271	eP	06 33	37.0	-0.4			TIA	53.4	64	P	15 38	48.0	-1.1														
			eS	06 38	12.0	5.5			NJ2	55.7	69	eP	15 39	04.0	-1.7														
TIA	27.6	263	LE			$M_s=4.5$	12.0	0.54	CN2	58.4	54	eP	15 39	23.6	-1.3														
			eP	06 33	49.9	2.8			JAN 29d 16h 22m $07.1 \pm 0.12s$ , SD2.77 / 18 27.15 N $\pm 1.03km$ , 101.01 E $\pm 1.14km$ , h10 $\pm 0.13km$ Yunnan Province (318) $M_L 3.5 / 8$ ,																				
			eP	06 33	46.5	-2.0																							
			sP	06 34	03.0	-1.2																							
sS	06 38	40.0	-5.0																										
SSE	27.8	250	LN			$M_s=4.5$	18.0	0.75	CD2	4.5	32	ePn	16 23	18.6	3.5														
			LZ			$M_s=4.4$	20.0	1.02	Pg				16 23	27.0	1.3														
NJ2	28.7	254	eP	06 33	55.0	-2.1			Sn				16 24	11.5	2.5														
			-P	06 34	04.4	0.5			Sg				16 24	26.0	-0.6														
HHC	29.5	275	-P	06 34	04.4	0.5			SMN				$M_L=4.1$	1.2	0.29														
			-iP	06 34	11.4	1.2			SME					1.0	0.37														
TIY	30.2	269	LN			$M_s=4.5$	15.0	0.55	GYA	5.1	96	Pn	16 23	29.0	4.9														
			LZ			$M_s=4.1$	22.0	0.52	Sn				16 24	26.6	1.5														
BTO	30.6	276	eP	06 34	15.0	0.6			Sg				16 24	50.8	3.9														
			sP	06 34	29.0	-1.1			SMN				$M_L=3.6$	1.2	0.10														
			eS	06 39	16.0	3.6			SME					1.2	0.030														
			LN			$M_s=4.8$	13.0	0.70	XAN	9.7	43	P	16 24	26.1	-3.6														
			LE				15.0	0.80	JAN 29d 16h 29m $23.3 \pm 0.10s$ , SD1.36 / 48																				
			LZ			$M_s=4.6$	15.0	1.00																					





1.13 S ± 1.23km, 146.04 E ± 1.82km, h33 ± 0.25km  
Admiralty Islands region (199)  
m<sub>b</sub>5.3 / 1,

WHN	43.6	319	P	16 37 28.0	1.3		
TIA	45.9	327	eP	16 37 44.0	-0.8		
BJI	49.2	330	eP	16 38 10.0	-1.0		
XAN	49.4	319	+P	16 38 11.8	-0.4		
CD2	51.3	312	eP	16 38 27.0	0.4		
HHC	52.2	327	eP	16 38 33.6	-0.4		
BTO	52.9	326	P	16 38 38.5	-0.6		
LZH	54.0	318	eP	16 38 47.5	0.7		
			PMZ	m <sub>b</sub> = 5.3		2.0	0.073
GTA	58.4	319	-P	16 39 18.3	-0.6		
WMQ	68.5	319	P	16 40 25.0	-0.2		

JAN 29d 16h 48m 01.0 ± 0.15s, SD1.14 / 69  
15.32 S ± 2.57km, 174.08 W ± 1.83km, h106 ± 0.48km  
Tonga (173)  
m<sub>b</sub>5.8 / 14, m<sub>b</sub>5.6 / 1,

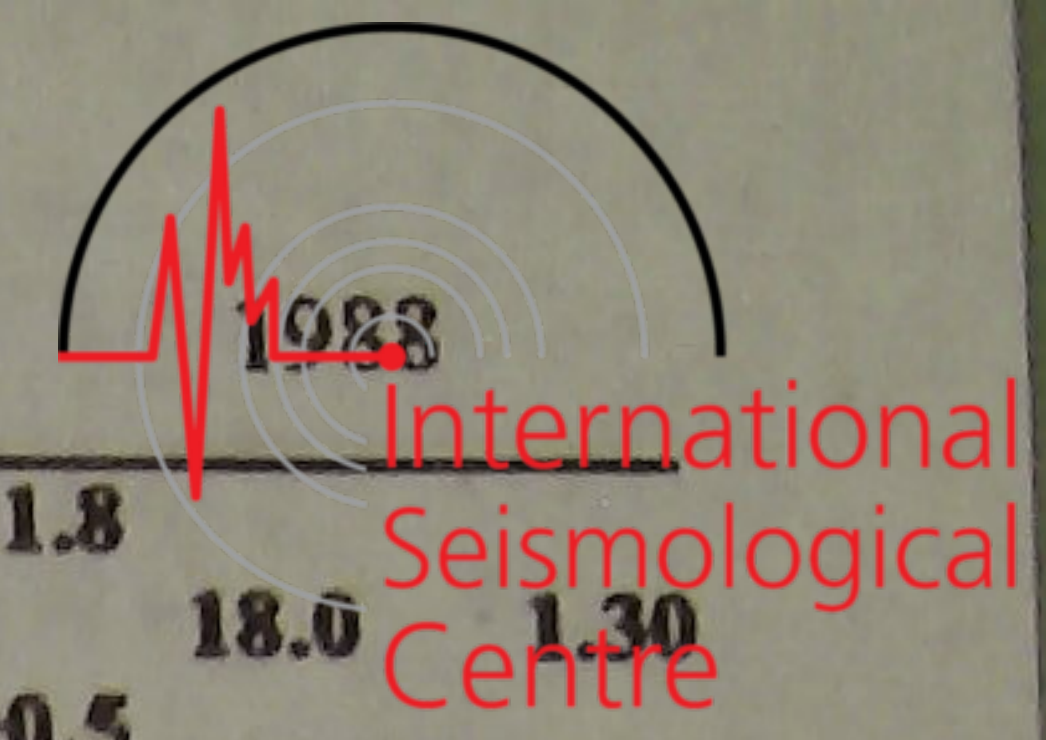
QZH	76.8	301	-iP	16 59 44.0	0.3		
			PMZ	m <sub>b</sub> = 5.9		5.0	1.20
			sP	17 00 22.0	0.0		
			S	17 09 21.0	0.8		
			LE			38.0	1.71
SSE	77.4	307	P	16 59 44.0	-2.7		
			PMZ	m <sub>b</sub> = 5.7		10.0	1.43
			sP	17 00 24.0	-1.0		
			sS	17 10 18.0	4.3		
			LN			16.0	0.54
			LZ			20.0	0.93
MDJ	78.6	323	-P	16 59 53.0	-0.2		
			pP	17 00 20.0	0.2		
			sP	17 00 32.0	0.4		
			PP	17 02 56.0	2.4		
			S	17 09 43.0	4.5		
			LZ			38.0	8.70
NJ2	79.6	307	-P	16 59 58.5	-0.3		
			PMZ	m <sub>b</sub> = 6.5		6.0	4.77
			S	17 09 47.5	-2.0		
			LZ			24.0	0.78
GZH	80.6	297	-P	17 00 05.0	0.9		
			PMZ	m <sub>b</sub> = 5.8		6.0	0.90
			sP	17 00 44.0	1.5		
			PP	17 03 07.0	-3.3		
CN2	80.6	320	-P	17 00 03.5	-0.7		
			PMZ	m <sub>b</sub> = 5.8		6.0	1.00
			sP	17 00 40.5	-2.1		
			eS	17 10 00.0	-1.7		
DL2	80.7	315	P	17 00 02.0	-2.5		
			PMZ	m <sub>b</sub> = 6.1		6.0	1.85
			sP	17 00 40.0	-2.9		
			eS	17 10 00.0	-2.2		
SNY	80.8	318	-iP	17 00 05.0	-0.1		
			PMZ			14.0	1.59
			sP	17 00 45.0	1.5		
			S	17 10 08.0	6.2		
			LN			34.0	1.21
			LE			38.0	1.39
			LZ			41.0	2.85
QZN	82.3	292	-P	17 00 14.0	1.1		
			sP	17 00 53.0	1.6		
			eS	17 10 21.0	2.3		
WHN	82.5	304	-iP	17 00 14.0	-0.1		
			PMZ	m <sub>b</sub> = 5.8		6.0	0.90
			sP	17 00 54.0	1.4		
			S	17 10 18.0	-1.4		
TIA	82.7	311	P	17 00 12.0	-2.9		
			sP	17 00 54.0	0.7		

BJI	84.9	314	LE				
			eP	17 00 25.0	-1.3		
			PMZ	m <sub>b</sub> = 6.0		6.0	1.25
			pP	17 00 55.0	1.7		
			sP	17 01 06.0	1.1		
			eSKS	17 10 38.0	1.6		
			eS	17 10 48.0	2.7		
			esS	17 11 34.0	1.9		
TIY	86.7	310	-iP	17 00 35.5	0.4		
			sP	17 01 17.0	3.4		
			SKS	17 10 53.5	5.4		
			S	17 11 02.5	2.0		
			sS	17 11 48.0	-1.2		
			LN			21.0	1.14
			LZ			30.0	1.87
GYA	87.4	298	P	17 00 39.0	0.4		
XAN	88.1	306	eP	17 00 41.7	0.1		
			SKS	17 10 54.0	-2.8		
			S	17 11 20.0	6.7		
			LN			13.0	0.82
			LE			12.0	1.03
HHC	88.5	313	-P	17 00 43.5	-0.2		
			pP	17 01 09.0	-1.7		
			sP	17 01 19.5	-2.7		
			S	17 11 20.7	3.4		
			sS	17 12 05.5	-0.8		
			SMN	m <sub>b</sub> = 6.0		10.0	1.35
			SME			10.0	1.03
BTO	89.5	312	-P	17 00 49.0	0.6		
			sP	17 01 29.0	2.0		
			PP	17 04 21.0	-1.0		
			SKS	17 11 07.5	1.9		
			S	17 11 30.0	3.4		
			sS	17 12 18.0	2.4		
KMI	90.4	296	-P	17 00 53.0	0.2		
			PMZ	m <sub>b</sub> = 6.1		6.0	0.90
			sP	17 01 28.5	-2.8		
			eSKS	17 11 11.0	-0.1		
CD2	91.2	302	eP	17 00 57.9	1.5		
LZH	92.6	307	eP	17 01 04.5	1.4		
			PMZ	m <sub>b</sub> = 5.6		1.5	0.059
GTA	96.6	309	eP	17 01 20.2	-1.0		
			SKS	17 11 47.0	1.8		
			SME			13.0	0.67
			LE			28.0	1.69
			LZ			28.0	1.63
KSH	114.9	307	ePKP	17 06 32.9	2.3		

JAN 29d 21h 01m 24.6 ± 0.17s, SD2.14 / 32  
23.42 N ± 1.39km, 120.70 E ± 1.50km, h22 ± 0.16km  
Taiwan (244)  
M<sub>s</sub>4.3 / 8, M<sub>L</sub>4.3 / 13,

QZH	2.4	309	ePn	21 02 04.0	0.3		
			Pg	21 02 10.6	2.7		
			Sn	21 02 34.1	-0.6		
			SMN	M <sub>L</sub> = 4.1		0.8	1.15
			SME			0.6	1.04
			LN			7.0	1.46
GZH	6.8	269	ePn	21 03 08.5	5.4		
			eSn	21 04 21.8	0.1		
			SMN	M <sub>L</sub> = 4.4		1.0	0.22
			SME			1.0	0.12
SSE	7.7	3	ePn	21 03 15.5	0.2		
			SMN	M <sub>L</sub> = 4.2		1.0	0.076
			SME			1.0	0.096
NJ2	8.8	350	+P	21 03 31.3	-1.7		
			S	21 05 06.5	-5.2		
			LN	M <sub>s</sub> = 4.3		9.0	0.58





WHN	9.1	323	LE		11.0	1.71
			eP	21 03 38.5	1.1	
			eS	21 05 18.0	-1.9	
			LE	$M_s=4.2$	6.0	0.80
QZN	11.0	249	eP	21 04 04.6	0.3	
			eS	21 06 14.0	6.0	
GYA	13.1	286	eP	21 04 31.4	-0.9	
			S	21 06 55.4	-2.2	
BTO	19.3	335	eP	21 05 56.2	4.5	
			esP	21 06 00.0	-1.8	
			LN	$M_s=4.4$	11.0	0.60
			LE		11.0	0.30
			LZ	$M_s=4.2$	11.0	0.60
CN2	20.7	10	eP	21 06 07.0	0.8	

JAN 29d 21h 18m  $46.9 \pm 0.07s$ , SD1.38 / 66  
 36.61 N  $\pm 1.68km$ , 140.73 E  $\pm 1.18km$ , h82  $\pm 1.12km$   
 Near east coast of Honshu (228)  
 $M_s 3.8 / 1$ ,  $m_b 4.5 / 1$ ,

MDJ	11.6	317	eP	21 21 35.0	3.2	
CN2	13.7	306	eP	21 21 59.0	0.0	
SNY	14.3	297	eP	21 22 07.1	0.7	
SSE	17.1	257	P	21 22 45.0	2.4	
			PMZ	$m_b=4.5$	1.5	0.033
NJ2	18.6	262	eP	21 22 58.5	-2.0	
TIA	19.0	276	eP	21 23 01.4	-3.5	
BJI	19.6	288	eP	21 23 09.5	-1.3	
TIY	22.5	281	-P	21 23 40.4	-0.8	
			LZ	$M_s=4.1$	22.0	0.78
WHN	22.8	262	P	21 23 43.5	0.4	
XAN	26.0	274	eP	21 24 14.3	-0.1	
LZH	29.6	280	P	21 24 47.5	0.6	
GYA	30.6	260	P	21 24 55.0	-0.8	
CD2	31.1	270	eP	21 24 59.0	-1.3	
GTA	32.2	288	P	21 25 07.8	-1.7	
KMI	34.4	261	+P	21 25 29.0	0.5	
WMQ	40.5	297	P	21 26 21.5	1.4	
KSH	50.1	294	eP	21 27 37.0	0.6	
			eS	21 34 34.0	-6.8	

JAN 30d 00h 21m  $31.7 \pm 0.08s$ , SD2.80 / 11  
 38.46 N  $\pm 1.03km$ , 91.40 E  $\pm 0.73km$ , h12  $\pm 0.07km$   
 Southern Xinjiang Province (321)  
 $M_L 4.0 / 6$ ,

WMQ	6.0	334	Pn	00 23 04.4	3.1	
			Pg	00 23 19.0	0.8	
			Sn	00 24 12.5	0.1	
			Sg	00 24 42.4	1.6	
			SMN	$M_L=3.9$	1.0	0.070
			SME		1.0	0.090
GTA	6.6	79	Pn	00 23 10.0	0.6	
			Pg	00 23 34.0	5.4	
			Sg	00 25 03.8	4.6	
			SMN	$M_L=3.6$	0.8	0.038
			SME		0.8	0.024
GYA	17.5	129	P	00 25 38.6	0.4	

JAN 30d 03h 56m  $42.6 \pm 0.12s$ , SD1.27 / 31  
 46.32 S  $\pm 2.08km$ , 96.00 E  $\pm 2.05km$ , h10  $\pm 0.35km$   
 South-East Indian Ridge (435)  
 $M_s 5.5 / 6$ ,  $m_b 5.6 / 2$ ,  $m_p 5.2 / 1$ ,

QZN	66.2	14	eP	04 07 31.0	-2.5	
			S	04 16 19.0	-1.2	
			LE	$M_s=5.6$	25.0	3.00
GYA	73.1	10	P	04 08 16.8	1.1	
			LZ	$M_s=5.3$	24.0	1.80
CD2	77.2	7	eP	04 08 38.8	-0.4	
			S	04 18 32.5	6.4	

WHN	78.3	16	eP	04 08 47.0	1.8	
			LE	$M_s=5.5$	18.0	1.30
XAN	80.8	11	P	04 08 58.5	-0.5	
			SME	$m_b=5.7$	8.0	0.53
LZH	82.3	6	eP	04 09 07.3	0.3	
			PMZ	$m_b=5.2$	2.0	0.049
TIA	84.3	17	eP	04 09 15.0	-2.0	
			eS	04 19 44.5	2.6	
			SME	$m_b=5.5$	11.0	0.41
			LE	$M_s=5.4$	18.0	0.88
TIY	84.9	13	eP	04 09 19.5	-0.7	
			S	04 19 46.0	-0.3	
			LN	$M_s=5.6$	20.0	1.48
			LE		20.0	0.73
			LZ	$M_s=5.6$	22.0	2.59
GTA	85.4	3	P	04 09 21.2	-1.4	
WMQ	90.0	354	eP	04 09 44.4	-0.4	

JAN 30d 04h 48m  $41.4 \pm 0.20s$ , SD3.41 / 18  
 22.87 N  $\pm 1.66km$ , 102.99 E  $\pm 1.58km$ , h12  $\pm 0.37km$   
 Yunnan Province (318)  
 $M_L 4.0 / 8$ ,

KMI	2.3	354	ePn	04 49 20.0	0.9	
			Pg	04 49 22.0	0.8	
			Sg	04 49 52.0	-0.1	
			LE		5.0	3.60
GYA	4.9	42	Pn	04 49 51.6	-3.7	
			Sn	04 50 56.0	2.2	
			SMN	$M_L=4.4$	1.2	0.40
			SME		1.2	0.50
QZN	7.5	120	ePn	04 50 33.2	2.8	
			SMN	$M_L=3.9$	0.8	0.030
			SME		1.0	0.060
CD2	8.0	5	eP	04 50 44.3	3.3	
			SMN	$M_L=3.8$	0.8	0.030
			SME		0.8	0.020
XAN	12.3	24	P	04 51 36.0	-3.4	

JAN 30d 05h 26m  $42.1 \pm 0.13s$ , SD2.35 / 28  
 23.85 N  $\pm 2.16km$ , 121.81 E  $\pm 2.17km$ , h15  $\pm 1.57km$   
 Taiwan (244)  
 $M_s 3.7 / 3$ ,  $M_L 3.8 / 14$ ,

QZH	3.1	291	-Pn	05 27 32.5	1.2	
			Sn	05 28 07.7	-2.6	
			SMN	$M_L=3.6$	0.3	0.18
			SME		0.8	0.27
SSE	7.2	356	eP	05 28 28.6	-1.6	
			eS	05 29 53.0	0.2	
			SMN	$M_L=4.0$	1.0	0.020
			SME		1.0	0.10
			LE	$M_s=3.5$	12.0	0.45
NJ2	8.6	343	eP	05 28 45.0	-3.9	
			S	05 30 25.0	-1.1	
			LN	$M_s=3.8$	10.0	0.30
			LE		9.0	0.44
WHN	9.4	317	eP	05 28 58.5	-1.9	
			LE	$M_s=3.7$	12.0	0.50
GYA	14.0	284	P	05 30 02.6	0.5	
			S	05 32 32.0	-5.3	
GTA	24.2	315	P	05 32 00.0	0.1	

JAN 30d 14h 30m  $39.0 \pm 0.12s$ , SD1.24 / 51  
 12.91 N  $\pm 1.40km$ , 93.43 E  $\pm 1.11km$ , h77  $\pm 0.24km$   
 Andaman Islands region (703)  
 $m_b 5.1 / 1$ ,

KMI	15.0	35	eP	14 34 10.5	2.1	
QZN	16.9	67	eP	14 34 35.4	3.1	
GYA	18.3	41	P	14 34 49.8	0.0	



CD2	20.3	26	eP	14 35 09.7	-1.5		
LZH	24.9	20	P	14 35 57.0	0.2		
			PMZ	$m_b = 5.1$		1.0	0.086
XAN	25.3	31	P	14 35 59.0	-1.5		
GTA	27.0	11	-iP	14 36 16.2	0.1		
TIY	30.0	31	eP	14 36 42.4	-0.3		
WMQ	31.2	352	P	14 36 54.6	1.1		
BTO	31.2	25	eP	14 36 52.2	-1.4		
TIA	31.5	38	eP	14 36 55.5	-0.7		
HHC	32.1	26	-P	14 37 05.0	3.9		
CN2	41.3	36	eP	14 38 18.0	-0.6		

BTO	25.7	293	eP	17 57 26.2	0.8		
XAN	26.9	279	P	17 57 35.7	-0.8		
GTA	33.5	291	P	17 58 34.5	-0.9		
WMQ	42.2	300	P	17 59 49.4	1.4		

JAN 31d 18h 51m  $41.8 \pm 0.03s$ , SD0.68 / 21  
 $67.84 N \pm 0.48km$ ,  $10.10 E \pm 0.65km$ ,  $h10 \pm 0.12km$   
 Norwegian Sea (642)

WMQ	45.8	81	P	19 00 07.0	0.8		
GTA	54.1	73	P	19 01 10.0	0.2		
XAN	62.1	68	P	19 02 05.6	-0.7		
GYA	68.2	74	P	19 02 45.0	-0.6		

JAN 31d 14h 05m  $04.8 \pm 0.07s$ , SD2.90 / 7  
 $40.28 N \pm 0.61km$ ,  $79.44 E \pm 0.62km$ ,  $h16 \pm 0.67km$   
 Southern Xinjiang Province (321)  
 $M_L 3.5 / 5$ ,

KSH	2.8	255	Pn	14 05 50.5	0.7		
			Sn	14 06 26.5	1.4		
			SMN	$M_L = 3.6$		0.5	0.29
			SME			0.5	0.25
WMQ	7.1	57	Pn	14 06 51.2	2.7		
			SME	$M_L = 3.5$		1.0	0.020

JAN 31d 15h 42m  $27.3 \pm 0.13s$ , SD1.21 / 51  
 $16.62 S \pm 1.84km$ ,  $174.07 W \pm 1.54km$ ,  $h117 \pm 0.72km$   
 Tonga (173)  
 $m_b 5.6 / 1$ ,

NJ2	80.4	308	eP	15 54 26.0	-2.0		
CN2	81.6	320	-P	15 54 34.0	-0.5		
SNY	81.7	318	+P	15 54 34.2	-0.9		
WHN	83.2	304	eP	15 54 37.5	-5.3		
TIA	83.5	311	-P	15 54 44.1	-0.1		
BJI	85.8	314	eP	15 54 55.0	-0.7		
TIY	87.5	310	-iP	15 55 05.0	0.9		
GYA	88.0	298	-P	15 55 07.6	1.0		
XAN	88.8	306	P	15 55 10.8	0.7		
BTO	90.4	312	P	15 55 18.0	0.5		
KMI	91.0	296	-P	15 55 22.0	1.6		
LZH	93.4	307	eP	15 55 32.5	0.9		

JAN 31d 16h 58m  $48.6 \pm 0.11s$ , SD2.98 / 14  
 $31.62 N \pm 1.13km$ ,  $116.45 E \pm 1.03km$ ,  $h13 \pm 0.13km$   
 Eastern China (664)  
 $M_L 3.3 / 13$ ,

NJ2	2.1	78	+Pg	16 59 25.3	-0.2		
			Sg	16 59 54.0	-0.1		
			SMN	$M_L = 3.3$		0.6	0.23
			SME			0.4	0.20
WHN	2.1	240	Pg	16 59 23.0	-2.7		
			Sg	16 59 49.5	-4.9		
			SMN	$M_L = 3.8$		0.2	0.78
			SME			0.5	0.65
SSE	4.1	96	ePg	17 00 01.5	0.8		
			Sg	17 00 57.5	1.0		
			SMN	$M_L = 3.3$		0.5	0.10
			SME			0.5	0.010
TIA	4.6	7	Pg	17 00 12.4	2.3		
			Sg	17 01 06.7	-6.3		
			SMN	$M_L = 3.4$		0.5	0.020
			SME			1.0	0.10
XAN	6.8	293	Pn	17 00 25.6	-2.7		

JAN 31d 17h 51m  $57.1 \pm 0.04s$ , SD1.04 / 29  
 $34.28 N \pm 1.27km$ ,  $141.46 E \pm 1.01km$ ,  $h40 \pm 0.72km$   
 South of Honshu (211)

CN2	15.6	312	eP	17 55 36.4	0.0		
SNY	16.0	303	-P	17 55 42.0	1.5		
HHC	24.5	294	eP	17 57 15.4	1.0		