

SUMMARY OF EARTHQUAKES

reported by International Tsunami Warning Centres*

1 JANUARY- 31 DECEMBER 2007

With surface wave or moment magnitude (M_w) greater than or equal to 6.5 and a depth no greater than 100 km, or an event for which an international warning centre issues a message. Pacific Tsunami Warning Center (P) issues; Tsunami Information Bulletins (TIB), Expanding Regional Warnings (ERW), Regional Watch/Warnings (RWW) or Indian Ocean Watch Bulletins (IO), or Local Tsunami Watch Bulletins (LTWB) or Tsunami Information Statements (TIS). Japan Meteorological Agency (J), issues the Northwest Pacific Tsunami Bulletins (NWPTA), or Indian Ocean Tsunami Watch Information Bulletins (TWI). When the West Coast/Alaska Tsunami Warning Center (A) issues a message it is also included. Epicenter, depth (Harvard (H) becoming from GCMT solution by year's end) and M_w from USGS (G), and M_w from PTWC (P) at action time. Height measurements from tide gauges peak to trough or half peak to trough as indicated, otherwise measurement is the greatest value for either inundation or runup depending on the event.

DATE	TIME (UTC)	LOCATION	EPICENTER	DEPTH (km)	M _w	PTWC (P) JMA (J), or WC/ATWC (A) ACTION	ACTION TIME (UTC)	TSUNAMI? DAMAGING?	MAXIMUM MEASUREMENT and LOCATION
13 Jan	04:23	East of the Kuril Islands	46.243° N 154.524° E	12	8.4 (P 001) 8.3 (J 01-2) 8.2 (J 03-4, P 002-6) 8.1 (H) 7.9 (G)	ERW 001 NWPTA 01 ERW 002- (Supplement) ERW 003- (Supplement) NWPTA 02 ERW 004- (Cancellation) NWPTA 03 ERW 005- (Cancellation) NWPTA 04 ERW 006- (Cancellation)	04:34 04:36 05:41 06:44 07:15 07:23 07:48 10:11 11:58 13:02	YES YES	37.1 cm (half peak to trough) Crescent City
21 Jan	11:27	Northern Molucca Sea	1.065° N 126.282° E	22	7.6 (P 002) 7.5 (H) 7.3 (G) 7.2 (J, P 001)	TIB 001 NWPTA TIB 002 (revised magnitude)	11:44 11:48 12:16	YES NO	1 m (runup) Manado Bay, Sulawesi Island, Indonesia
30 Jan	04:55	West of Macquarie Island	54.740° S 146.298° E	14	6.8 (G, H, P)	TIB	05:08	NO	
30 Jan	21:38	Mariana Islands Region	20.985° N 144.696° E	22	6.9 (J, P) 6.6 (H) 6.5 (G)	TIB NWPTA	21:50 21:56	NO	
31 Jan	03:16	Kermadec Islands New Zealand	29.776° S 178.002° W	55	6.6 (P) 6.5 (H) 6.4 (G)	TIB	03:33	NO	
4 Feb	20:57	Cuba Region	19.372° N 78.518° W	16	6.4 (P) 6.2 (G, H)	TIB	21:08	NO	
20 Feb	08:04	Southern Molucca Sea	1.034° S 126.977° E	12	6.8 (P) 6.7 (H) 6.5 (G)	TIB	08:19	NO	
25 Mar	00:40	Vanuatu Islands	20.617° S 169.357° E	42	7.3 (P) 7.1 (G, H)	TIB	01:00	YES NO	16 cm. (half peak to trough) Port Vila, Vanuatu

*Compiled by The International Tsunami Information Centre, ITIC

2007 Earthquake List, *continued*

DATE	TIME (UTC)	LOCATION	EPICENTER	DEPTH (km)	M _w	PTWC (P) JMA (J), or WC/ATWC (A) ACTION	ACTION TIME (UTC)	TSUNAMI? DAMAGING?	MAXIMUM MEASUREMENT and LOCATION
25 Mar	00:42	Off Noto Peninsula, Honshu, Japan	37.336° N 136.588° E	12	7.1 (P) 6.9 (G) 6.7 (H)	NWPTA 01 TIB NWPTA 02	00:43 01:05 02:30	YES NO	21 cm (half peak to trough) Suru, Japan
25 Mar	01:08	Vanuatu	20.754° S 169.354° E	32	6.9 (G, H)	—	—	NO	
1-2 Apr	20:40	Solomon Islands	8.460° S 157.044° E	23	8.1 (H, J 002-006, P 002- 008) 8.0 (G) 7.8 (J 001, P 001)	ERW 001 NWPTA 001 ERW 002 NWPTA 002 ERW 003 NWPTA 003 ERW 004 NWPTA 004 NWPTA 006- (Cancellation) ERW 005 ERW 006 ERW 007 ERW 008- (Cancellation)	20:55 21:02 21:32 21:39 22:39 22:39 23:34 00:13 00:34 01:17 01:58 03:26 04:05	YES YES	3.5 m (runup) Unmatana, Woodlark Island, PNG
5 Apr	03:57	Azores Islands Region	37.306° N 24.621° W	12	6.4 (P) 6.3 (G, GCMT)	TIB	04:29	NO	
7 Apr	07:09	Azores Islands Region	37.306° N 24.494° W	12	6.3 (P) 6.1 (GCMT) 6.0 (G)	TIB	07:23	NO	
20 Apr	01:46	Southwestern Ryukyu Islands	25.710° N 125.108° E	12	6.7 (J) 6.3 (GCMT) 6.2 (G)	NWPTA	01:52	NO	
21 Apr	17:54	Aisen or Aysén Fiord Chile	45.243° S 72.648° W	12	6.2 (G, GCMT, P)	—	—	YES YES	7.7 m. (runup) at fjord near Aisen dead and missing
13 Jun	19:30	Near Coast of Guatemala	13.554° N 90.618° W	33	7.0 (P) 6.7 (GCMT) 6.5 (G)	TIB	19:40	NO	
28 Jun	02:52	Solomon Islands	7.969° S 154.630° E	17	6.7 (GCMT, G,P)	TIB	03:07	NO	

2007 Earthquake List, *continued*

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16 Jul	01:13	Near West Coast of Honshu, Japan	37.535° N 138.446° E	12	6.7 (P) 6.6 (GCMT) 6.5 (G)	TIB	01:33	YES NO	<0.5m (half peak to trough) Sado Island
16 Jul	14:18	Sea of Japan	36.808° N 134.850° E	373	6.8 (G, GCMT) 6.6 (J, P)	NWPTA TIB	14:23 14:29	NO	
26 Jul	05:40	Northern Molucca Sea	2.872° N 127.464° E	42	7.0 (P) 6.9 (G, GCMT)	TIB NWPTA	05:55 05:57	NO	
01 Aug	17:09	Vanuatu	15.595° S 167.680° E	127	7.3 (P) 7.2 (G, GCMT)	TIB	17:24	NO	
02 Aug	02:38	Tatar Strait	47.116° N 141.798° E	12	6.2 (G, GCMT)			YES NO	30 cm (peak to trough) Wakka- nai, Hokkaido, Japan
02 Aug	03:22	Andreanof Islands, Aleutian Is.	51.307° N 179.971° W	32	6.9 (P) 6.7 (GCMT) 6.6 (G)	TIB	03:32	YES No	slight, Amchitka, AK tide gauge
08 Aug	17:05	Java, Indonesia	5.859° S 107.419° E	304	7.7 (J) 7.5 (GCMT, P) 7.4 (G)	TIB TWI	17:22 17:32	NO	
15 Aug	20:22	Andreanof Islands, Aleutian Is.	50.322° N 177.548° W	12	6.8 (P) 6.4 (GCMT)	TIB	20:31	NO	
15 Aug	23:41	Near Coast of Peru	13.386° S 76.603° W	33	8.0 (GCMT) 7.9 (P) 7.5 (P 001)	TIB 001 FRW 001 FRW 002 FRW 003- (Cancellation)	23:53 00:19 (16 Aug) 01:26 02:09	YES NO	5.6 m (runup) Caleta Lagunillas Ica, Peru
16 Aug	08:39	Solomon Islands	9.830° S 159.467° E	14	6.5 (P) 6.4 (GCMT)	TIB NWPTA	09:00 09:04	NO	
2 Sep	01:05	Santa Cruz Islands	11.610° S 165.762° E	18	7.4 (P001, J001) 7.3 (P002- 3, J002) 7.2 (G, GCMT)	TIB 001 NWPTA 001 TIB 002 NWPTA 002 TIB 003	01:21 01:32 01:59 02:13 04:26	YES NO	0.5 m Port Vila, Vanuatu

2007 Earthquake List, *continued*

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06 Sep	17:51	Taiwan Region	24.340° N 122.219° E	60	6.5 (J) 6.2 (GCMT) 6.1 (G)	NWPTA	17:58	NO	
10 Sep	01:49	West Coast of Colombia	2.982° N 77.967° W	17	6.8 (G, P) 6.7 GCMT)	TIB	01:58	NO	
12 Sep	11:10	Southern Sumatra Island, Indonesia	4.438° S 101.367° E	23	8.5 (GCMT) 8.4 (G) 8.3 (IO 002,P002) 8.2 (J 002-6) 7.9 (J, P001)	(IO) RW 001 TIB 001 TWI 001 (IO) RW 002 TWI 002 (IO) RW 003 TWI 003 (IO) RW 004 TWI 004 TWI 005 (IO) RW 005 TIB 005 TWI 006 TWI 007	11:24 11:35 11:36 11:53 12:08 12:30 12:51 13:21 13:35 14:25 14:40 15:05 17:26 21:10	YES	3.60 m (runup) Pantai Pasir Indah (beach in Mukomuko Sumatra)
12 Sep	23:49	Kepulauan Mentawai Region, Indonesia	2.625° S 100.841° E	44	7.9 (G, GCMT) 7.8 (P)	(IO) 001 TIB 001 TIB 002 TIB 003	00:01 (13 Sept) 00:04 (13 Sept) 00:28 03:02	NO	
13 Sep	03:35	Southern Sumatra Island	2.130° S 99.627° E	17	7.1 (P) 7.0 (G, GCMT)	TIB TWI	03:48 03:59	NO	
13 Sep	09:49	Talaud Island, Indonesia	3.801° N 126.335° E	22	6.6 (P) 6.3 (G, GCMT)	TIB TWI	10:00 10:03	NO	
14 Sep	06:02	Southern Sumatra	4.075° S 101.169° E	15	6.5 (P) 6.4 GCMT) 6.2 (G)	TIB TWI	06:17 06:28	NO	
20 Sep	08:31	Southern Sumatra	1.999° S 100.141° E	32	6.7 (G, GCMT) 6.6 (P)	TIB TIB TWI	08:44 08:46 08:50	NO	
26 Sep	12:36	New Ireland Region, P.N.G.	4.990° S 153.500° E	47	6.9 (P) 6.7 (G, GCMT)	TIB NWPTA	12:52 12:55	NO	
28 Sep	01:36	S.E. of the Loyalty Islands	21.133° S 169.373° E	20	6.7 (P) 6.5 (G) 6.3 (GCMT)	TIB	01:51	NO	
28 Sep	13:39	Mariana Islands Region	22.004° N 142.651° E	276	7.4 (G, GCMT, P)	TIB NWPTA	13:52 14:01	NO	

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30 Sep	02:09	South of Mariana Islands	10.454° N 145.718° E	12	7.1 (P) 6.9 (G,GCMT)	TIB NWPTA	02:23 02:27	NO	
30 Sep	05:24	Auckland Islands, New Zealand	49.271° S 164.115° E	13	7.4 (GCMT, P) 6.9 (G)	TIB 001 TIB 002	05:38 09:14	YES	0.45 m (half peak to trough) Dog Island NZ gauge
30 Sep	09:48	Auckland Islands, New Zealand	49.138° S 164.110° E	30	6.8 (P) 6.6 (GCMT) 6.5 (G)	TIB	10:01	NO	
2 Oct	18:00	Alaska Peninsula	54.511° N 161.708° W	42	6.6 (P) 6.3 (GCMT) 6.2 (G)	TIB	18:06	NO	
15 Oct	12:30	South Island of New Zealand	44.785° S 167.538° E	17	6.9 (P) 6.8 (GCMT) 6.7 (G)	TIB	12:46	NO	
16 Oct	21:06	South of Fiji Islands	25.775° S 179.530° E	515	6.6 (GCMT, P) 6.5 (G)	TIB	21:17	NO	
24 Oct	21:03	Southern Sumatra Island	3.896° S 101.017° E	20	7.0 (P) 6.9 (G) 6.8 (GCMT)	(IO) TIB 001 TB001 (IO) TIB 002- Cancellation	21:14 21:32 22:46	NO	
31 Oct	03:30	Mariana Islands	18.896° N 145.363° E	214	7.2 (G, GCMT) 7.0 (P)	TIB NWPTA	03:43 03:55	NO	
14 Nov	15:41	Northern Chile (Antofagasta)	22.247° S 69.890° W	38	7.7 (GCMT, P) 7.4 (G)	TIB 001- Warning TIB 002- Cancellation	15:56 16:56	YES	25.5 cm (P2P) Antofagasta, Chile tide station
15 Nov	15:06	Near Coast of Chile (Antofagasta)	22.925° S 70.237° W	19	6.8 (GCMT, P) 6.6 (G)	TIB	15:36	NO	
16 Nov	03:13	Peru-Ecuador Border Region	2.312° S 77.838° W	114	6.8 (GCMT, P) 6.7 (G)	TIB	03:25	NO	
22 Nov	08:48	Eastern New Guinea Region Papua New Guinea	5.757° S 147.098° E	56	6.7 (G, GCMT, P)	TIB NWPTA	09:03 09:08	NO	
25 Nov	16:02	Sumbawa Region, Indonesia	8.277° S 118.339° E	25	6.7 (P) 6.5 (GCMT) 6.4 (G)	TIB TWI	16:15 16:30	NO	
25 Nov	19:53	Sumbawa Region, Indonesia	8.225° S 118.453° E	20	6.5 (GCMT, P) 6.4 (G)	TIB NWPTA	20:04 20:11	NO	

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27 Nov	11:50	Solomon Islands	10.950° S 162.149° E	25	6.6 (GCMT, P) 6.4 (G)	TIB NWPTA	12:02 12:05	NO	
29 Nov	19:00	Martinique Region, Windward Islands	14.973° N 61.263° W	151	7.4 (G, GCMT) 7.3 (P)	TIS	19:09	NO	
09 Dec	07:28	South of Fiji	25.996° S 177.514° W	144	7.9 (P) 7.8 (GCMT) 7.7 (G)	TIB	07:50	NO	
16 Dec	08:09	Near Coast of Northern Chile	22.954°S 70.182°W	33	6.7 (G, GCMT) 6.6 (P)	TIB	08:28	NO	
19 Dec	09:30	Andreanof Islands, Aleutian Islands	51.363° N 179.522° W	29	7.3 (P) 7.1 (GCMT) 7.0 (G)	TIB	09:41	NO	
20 Dec	07:55	Off East Coast of North Island of New Zealand	39.011° S 178.291° E	30	6.6 (GCMT) 6.5 (G) 6.3 (P)	--	--	NO	
26 Dec	22:05	Fox Islands, Aleutian Islands	52.578° N 168.203° W	14	6.5 (P) 6.4 (GCMT) 6.2 (G)	TIB	22:41	NO	