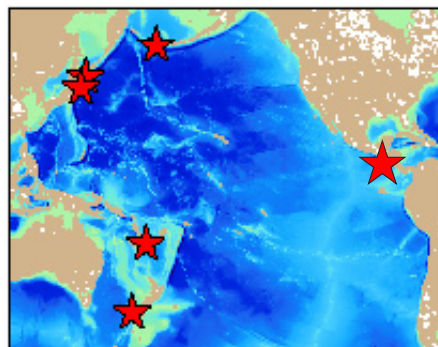




2003 SUMMARY OF EARTHQUAKES

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 a Tsunami Information Bulletin (TIB) or Regional Watch Warning (RWW) was issued. Epicenter, M_s , and M_w from USGS National Earthquake Information Center (NEIC, G); M_w and centroid depth from Harvard (H); M_w from PTWC at action time.



DATE	TIME (UTC)	LOCATION	LAT	LONG	DEPTH (km)	M_w	M_s	PTWC ACTION	ACTION TIME (UTC)	Tsunami ? Damaging ?
Jan 20	08:43	Vicinity of Solomon Islands	10.478 S	160.749 E	38	7.2(G) 7.3(H)	7.3 7.7 7.7	TIB RWW #1 RWW #3 (#3 cancel)	09:02 09:34 10:37	NO
Jan 22	02:07	Offshore Colima, Mexico	18.837 N	103.817 W	33	7.8(G) 7.4(H)	7.6 7.3	RWW #1 RWW #2 (#2 cancel)	02:50 02:59	YES NO
Feb 19	03:33	Unimak Island Region	53.39 N	164.49 W	32	(G) 6.6(H)	6.5	TIB	03:58	NO
March 17	16:36	Rat Islands, Aleutian Islands	51.40 N	177.72 E	29	6.2(G)	6.9	TIB	16:44	NO
May 4	13:15	Kermadec Islands	30.625 S	178.315 W	45	6.7 (G,H)	6.7	TIB	13:43	NO
May 26	9:25	Near East Coast of Honshu, Japan	38.901 N	141.446 E	62	7 (G,H)	6.6	TIB	9:45	NO
May 26	19:23	Halmahera, Indonesia	2.406 S	128.811 E	35	6.9 (H) 6.8 (G)	6.7	TIB	19:45	NO
June 7	0:33	New Britain Region, PNG	5.100 S	152.342 E	34	6.5 (H) 6.4 (G)	6.7 (H) 6.8 (G) 6.8 (P)	TIB	1:04	NO
June 15	19:25	Rat Islands, Aleutian Islands	51.663 N	176.827 E	28	6.5 (H) 6.3 (G)	6.6 (P)	TIB	19:37	NO
June 20	13:31	Chile-Argentina Border	30.532 S	71.371 W	34	6.8 (H) 6.7 (G)	6.9 (H) 6.8 (G) 6.6 (P)	TIB	13:52	NO
June 23	12:13	Rat Islands, Aleutian Islands	51.421 N	176.794 E	28	6.9 (H) 6.8 (G) 7.1 (P)	6.9 (H) 7.0(G)	TIB	12:25	NO
Aug 4	4:37	Scotia Sea	60.555 S	43.492 W	15	7.5 (G,H) 7.7 (P)	7.4	TIB	5:22	NO NO

2003 SUMMARY OF EARTHQUAKES, *continued*

DATE	TIME (UTC)	LOCATION	LAT	LONG	DEPTH (km)	M _w	M _s	PTWC ACTION	ACTION TIME (UTC)	Tsunami ? Damag-ing ?
Aug 21	12:13	South Island, New Zealand	45.124 S	167.172 E	34	7.1 (G) 7.2 (H) 7.3 (P)	7.5	TIB	12:31	YES NO
Sep 25	19:50	Hokkaido, Japan	41.775 N	143.904 E	28	8.1 (G,P) 8.3 (H)	8.1	RWW -001 Supplement -002 Supplement -003 Cancellation -004	20:07 20:27 21:04 22:13	YES YES
Sep 25	21:08	Hokkaido, Japan	41.755 N	143.626 E	48	7.3 (G) 7.4 (H)	7.3	--	--	NO NO
Oct 8	9:07	Hokkaido, Japan	42.612 N	144.559 E	37	6.6	6.6	TIB	9:18	NO NO
Oct 31	1:06	Off East Coast of Honshu, Japan	37.830 N	142.629 E	15	7 (H, G) 6.7 (P)	6.8	TIB	1:22	YES NO
Nov 17	6:43	Rat Islands, Aleutian Islands	51.128 N	178.745 E	22	7.8 (H) 7.7 (G) 6.9	7.2	TIB-001 TIB-002	6:54 7:09	YES NO
Nov 18	17:14	Samar, Philippine Islands	12.036 N	125.435 E	38	6.5 (H,G) 6.7 (P)	6.5	TIB	17:35	NO NO
Nov 25	20:20	New Britain Region, PNG	5.539 S	150.838 E	45	6.6 (H,G) 6.7 (P)	6.4	TIB	20:43	NO NO
Dec 5	21:26	Komandorsky Islands Region	55.500 N	165.763 E	15	6.7 (H,G) 7.0 (P)	6.5	TIB	21:40	NO NO
Dec 10	4:38	Taiwan	23.055 N	121.330 E	32	6.8 (H,G) 6.9 (P)	6.7	TIB	4:54	NO NO
Dec 22	19:16	Central California, USA	35.706 N	121.102 W	15	6.5 (H) 6.4 (G) 6.8 (P)	6.4	TIB	19:23	NO NO
Dec 25	20:43	Loyalty Islands Region	22.270 S	169.490 E	16	6.5 (H) 6.4 (G) 6.7 (P)	6.3	TIB	21:07	NO NO

2003 SUMMARY OF EARTHQUAKES, *continued*

DATE	TIME (UTC)	LOCATION	LAT	LONG	DEPTH (km)	M _w	M _s	PTWC ACTION	ACTION TIME (UTC)	Tsunami ? Damag- ing ?
Dec 26	21:26	Loyalty Islands Region	22.319 S	169.295 E	15	6.8 (H,P) 6.7 (G)	6.8	TIB	21:48	NO NO
Dec 27	16:01	Loyalty Islands Region	22.033 S	169.650 E	24	7.3 (H,P) 7.2 (G)	7.1	TIB-001 TIB-002	16:19 19:49	YES NO
Dec 27	22:55	Loyalty Islands Region	21.764 S	169.744 E	20	6.3 (H) 6.4 (G) 6.8 (P)	6.4	TIB	22:55	NO NO