http://earthquake.usgs.gov/earthquakes/recentegsww/Maps/ortho/90\_0\_eqs.php

http://earthquake.usgs.gov/earthquakes/recentegsww/Maps/ortho/90 0.php

http://earthquake.usgs.gov/earthquakes/recentegsww/

USGS Website March 12, 2011

Earthquake List for Hemisphere Map Centered at 0°N, 90°E

Update time = Sat Mar 12 19:25:14 UTC 2011

Here is a list of the earthquakes located by the USGS and contributing networks for the Hemisphere Map Centered at 0°N, 90°E. Most recent events are at the top. (Some early events may be obscured by later ones on the map.) Click on the date portion of an earthquake record in the list below for more information.

## MAG UTC DATE-TIME

y/m/d h:m:s LAT

deg LON

deg DEPTH

km Region

MAP 4.8 2011/03/12 18:38:37	37.805 143.349 25.9	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 18:09:14	37.321 141.367 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 17:59:56	37.474 143.799 20.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 17:51:27	38.003 143.881 25.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 17:48:13	37.381 143.491 24.8	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 17:40:56	38.728 142.512 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.0 2011/03/12 17:19:23	36.573 142.645 4.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 17:11:09	38.051 144.071 29.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 17:01:22	37.701 143.353 38.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 16:55:41	38.102 143.701 25.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 16:48:13	37.822 141.935 26.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 16:38:44	38.067 144.066 25.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 16:36:41	38.123 143.860 24.9	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 16:22:14	37.891 144.831 34.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 16:19:04	38.426 143.940 25.0	OFF THE EAST COAST OF HONSHU, JAPAN

MAP 4.7 2011/03/12 16:07:38	39.076 142.684 36.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 16:03:56	37.259 142.116 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 14:53:20	37.569 143.805 24.6	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.7 2011/03/12 14:43:09	39.471 142.406 21.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.6 2011/03/12 14:35:00	35.784 141.660 24.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 14:14:55	35.768 140.560 24.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/12 14:03:30	38.843 142.592 24.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 13:57:12	36.439 141.926 24.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/12 13:26:56	39.381 142.423 25.1	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.4 2011/03/12 13:15:41	37.261 141.175 37.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/12 12:53:50	37.754 143.573 19.2	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 12:50:28	37.834 143.856 24.7	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 12:43:13	37.398 143.776 35.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 12:27:17	39.721 144.505 25.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 12:15:30	39.789 142.586 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 12:06:56	40.058 141.980 25.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.7 2011/03/12 11:46:01	35.761 141.656 17.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 11:39:05	37.626 142.805 24.7	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 11:20:16	38.735 142.462 24.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 11:04:59	37.913 143.740 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.1 2011/03/12 10:53:30	39.075 142.352 24.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 10:49:24	37.483 143.225 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 10:39:12	36.749 141.799 31.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/12 10:34:49	37.846 144.377 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/12 10:20:21	37.197 143.483 25.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 10:06:11	37.185 143.481 25.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 10:00:26	35.984 141.794 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 09:51:35	-3.790 151.443 10.0	NEW IRELAND REGION, PAPUA NEW GUINEA

MAP 4.9 2011/03/12 09:47:58	38.351 142.298 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 09:40:43	38.867 142.829 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 09:27:12	37.436 143.716 25.8	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/12 09:18:56	37.141 143.496 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 09:05:32	38.444 144.305 28.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 09:00:02	37.328 143.591 41.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.6 2011/03/12 08:58:24	37.100 143.532 34.2	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 08:52:50	37.221 143.659 38.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 08:45:29	-7.239 129.151 186.4	KEPULAUAN BABAR, INDONESIA
MAP 4.8 2011/03/12 08:38:03	38.370 141.801 27.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 08:30:21	38.194 142.766 28.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.6 2011/03/12 08:22:07	36.131 141.772 30.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 08:13:41	39.343 142.989 26.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 07:54:09	36.064 141.496 31.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 07:50:53	38.537 146.425 14.7	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 07:46:42	37.785 143.660 34.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 07:38:05	38.676 144.429 29.2	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 07:30:18	35.943 141.348 30.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 07:21:00	36.069 141.321 29.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 07:18:52	39.116 144.638 12.7	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 07:13:35	37.452 142.050 25.2	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 07:07:31	38.363 142.164 29.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 07:02:20	36.916 143.456 30.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.5 2011/03/12 06:53:52	37.905 144.643 40.6	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 06:49:11	38.673 142.579 23.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 06:44:00	36.613 140.767 31.1	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 06:39:26	37.604 142.774 44.9	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 06:36:00	39.636 143.436 28.5	OFF THE EAST COAST OF HONSHU, JAPAN

MAP 4.9 2011/03/12 06:29:09	39.237 142.381 30.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/12 06:18:43	39.235 142.377 36.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/12 06:10:43	38.594 143.753 10.4	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 06:10:22	37.197 143.710 35.4	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 06:00:25	36.415 141.714 29.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 05:58:59	37.759 143.963 37.6	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 05:14:50	36.811 140.375 25.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/12 04:52:57	40.123 143.287 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 04:47:18	35.969 141.416 26.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 04:43:03	35.983 141.347 25.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/12 04:37:21	36.268 140.997 25.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 04:06:09	38.902 141.792 25.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/12 04:04:48	-2.994 139.126 48.3	NEAR THE NORTH COAST OF PAPUA, INDONESIA
MAP 5.1 2011/03/12 03:54:48	35.838 141.275 26.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/12 03:34:46	35.257 140.973 25.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/12 03:29:28	37.929 144.671 25.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 03:21:44	37.924 143.923 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.7 2011/03/12 03:11:59	35.950 141.407 24.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/12 03:01:48	39.612 142.770 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.6 2011/03/12 02:47:35	37.617 143.696 25.7	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 02:43:10	39.170 142.342 25.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 02:34:04	36.738 141.411 22.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 02:27:49	37.941 144.496 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 02:13:51	37.569 143.738 24.9	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/12 02:07:21	37.825 143.207 24.6	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 02:04:55	36.739 141.512 25.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 01:59:43	37.522 142.783 24.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.8 2011/03/12 01:47:16	37.588 142.682 24.8	OFF THE EAST COAST OF HONSHU, JAPAN

MAP 6.2 2011/03/12 01:46:20	37.354 141.998 25.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/12 01:43:20	36.321 141.753 27.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.0 2011/03/12 01:34:10	38.748 142.853 24.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/12 01:25:04	36.425 141.605 27.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/12 01:17:01	38.095 142.702 24.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/12 01:12:16	37.118 140.535 54.5	EASTERN HONSHU, JAPAN
MAP 5.1 2011/03/12 01:03:59	37.939 141.556 26.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/12 00:45:09	36.041 141.815 23.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 00:39:37	37.317 142.450 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 00:25:08	37.803 141.894 29.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/12 00:21:24	36.475 143.586 24.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/11 23:59:21	36.499 141.441 22.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/11 23:58:03	38.460 143.530 29.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/11 23:53:28	38.858 142.452 25.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/11 23:40:11	37.073 143.529 25.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/11 23:31:22	33.728 143.855 24.9	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/11 23:26:50	39.178 142.709 24.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/11 23:21:22	39.161 143.296 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/11 23:05:14	39.732 141.850 65.0	EASTERN HONSHU, JAPAN
MAP 5.4 2011/03/11 22:54:28	36.494 142.267 25.4	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/11 22:51:18	37.806 144.967 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/11 22:42:58	37.627 143.801 27.4	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/11 22:36:56	37.097 143.796 25.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.6 2011/03/11 22:29:42	38.285 142.636 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/11 22:22:35	39.180 142.917 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/11 22:08:13	40.152 142.219 47.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/11 21:41:57	37.279 142.351 10.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/11 21:34:25	37.401 141.236 37.1	NEAR THE EAST COAST OF HONSHU, JAPAN

MAP 5.4 2011/03/11 21:00:45 39.048 142.477 24.9 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 20:41:24 37.675 143.698 25.0 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.5 2011/03/11 20:36:10 37.838 142.847 24.9 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 20:34:40 36.993 140.985 25.2 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.5 2011/03/11 20:23:43 35.818 141.583 24.2 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 6.3 2011/03/11 20:11:22 39.025 142.645 8.7 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 6.6 2011/03/11 19:46:49 40.472 139.070 10.0 NEAR THE WEST COAST OF HONSHU, JAPAN MAP 5.2 2011/03/11 19:45:24 37.653 141.548 25.2 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.5 2011/03/11 19:31:56 36.962 138.367 10.3 EASTERN HONSHU, JAPAN MAP 5.5 2011/03/11 19:24:28 35.770 140.639 24.9 NEAR THE EAST COAST OF HONSHU, JAPAN 39.372 142.900 24.8 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 6.1 2011/03/11 19:02:58 MAP 6.2 2011/03/11 18:59:15 37.037 138.355 10.0 NEAR THE WEST COAST OF HONSHU, JAPAN MAP 4.9 2011/03/11 18:55:14 35.814 141.657 24.6 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 18:44:06 36.858 141.029 25.5 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 4.9 2011/03/11 18:43:13 40.139 143.061 89.7 OFF THE EAST COAST OF HONSHU, JAPAN MAP 4.9 2011/03/11 18:39:33 37.916 143.055 1.8 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.9 2011/03/11 18:17:05 36.218 141.685 25.4 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.7 2011/03/11 18:11:24 37.118 142.160 13.8 OFF THE EAST COAST OF HONSHU, JAPAN MAP 4.7 2011/03/11 18:02:38 36.793 143.212 24.9 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 17:50:01 37.648 144.991 25.8 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.4 2011/03/11 17:32:13 37.137 144.572 24.8 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 17:30:47 37.418 141.099 24.9 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 17:23:57 36.015 141.888 24.9 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.5 2011/03/11 17:16:59 37.111 144.145 26.4 OFF THE EAST COAST OF HONSHU, JAPAN MAP 4.8 2011/03/11 17:14:59 39.016 142.517 51.9 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 17:12:40 37.564 144.069 25.1 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 16:55:52 37.779 143.171 25.1 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 16:34:21 39.376 143.405 40.8 OFF THE EAST COAST OF HONSHU, JAPAN

MAP 5.0 2011/03/11 16:20:51 36.157 141.877 25.3 NEAR THE EAST COAST OF HONSHU, JAPAN 39.463 143.577 9.2 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.5 2011/03/11 16:11:26 MAP 5.3 2011/03/11 16:04:52 39.236 144.320 25.5 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 15:55:22 36.626 142.162 24.8 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 15:50:59 37.409 142.217 24.9 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.0 2011/03/11 15:46:01 36.022 141.958 19.7 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.4 2011/03/11 15:42:05 36.066 141.515 15.8 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 4.9 2011/03/11 15:36:15 38.907 142.722 24.9 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.2 2011/03/11 15:32:33 37.216 142.233 25.0 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.6 2011/03/11 15:19:37 36.233 141.856 25.0 NEAR THE EAST COAST OF HONSHU, JAPAN NEAR THE EAST COAST OF HONSHU, JAPAN MAP 6.2 2011/03/11 15:13:14 35.997 141.796 18.9 MAP 5.0 2011/03/11 15:01:38 39.082 142.383 26.0 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.8 2011/03/11 14:56:15 35.979 141.367 25.0 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.4 2011/03/11 14:54:03 35.919 141.819 24.9 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 14:44:07 36.655 140.769 25.1 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.4 2011/03/11 14:26:30 37.431 142.254 13.2 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 14:20:19 37.947 143.183 25.2 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.2 2011/03/11 14:10:39 37.575 141.963 25.5 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.5 2011/03/11 14:00:37 36.151 140.845 30.8 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 4.9 2011/03/11 13:58:49 36.681 141.776 25.3 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.2 2011/03/11 13:55:27 38.039 142.831 24.9 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.3 2011/03/11 13:48:38 38.426 143.061 25.1 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.6 2011/03/11 13:43:10 38.972 144.209 25.2 OFF THE EAST COAST OF HONSHU, JAPAN MAP 4.9 2011/03/11 13:42:26 37.410 142.009 25.3 OFF THE EAST COAST OF HONSHU, JAPAN MAP 5.6 2011/03/11 13:34:36 36.249 141.850 35.5 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 13:31:54 39.152 142.837 25.0 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.8 2011/03/11 13:16:49 36.304 141.730 30.1 NEAR THE EAST COAST OF HONSHU, JAPAN MAP 5.1 2011/03/11 13:15:45 37.393 141.882 30.1 NEAR THE EAST COAST OF HONSHU, JAPAN

MAP 5.3 2011/03/11 13:02:43	36.755 141.885 30.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/11 12:59:21	36.128 141.768 24.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/11 12:54:52	38.502 142.120 36.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.6 2011/03/11 12:49:01	36.158 141.711 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/11 12:34:22	36.912 143.736 39.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/11 12:33:18	38.374 142.590 29.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/11 12:28:44	36.166 141.664 29.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/11 12:24:37	36.525 141.707 27.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.9 2011/03/11 12:12:53	38.052 142.542 21.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/11 12:04:16	36.351 142.700 38.4	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 11:56:16	36.356 141.504 39.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/11 11:54:02	36.982 142.535 45.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/11 11:46:46	36.034 141.055 47.5	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/11 11:44:28	36.709 142.231 31.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.5 2011/03/11 11:36:39	39.276 142.521 11.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.7 2011/03/11 11:21:02	35.759 140.913 25.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 11:16:50	36.614 141.894 36.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 11:13:12	36.451 141.789 18.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 11:10:57	35.534 141.856 27.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.6 2011/03/11 11:00:51	37.813 141.481 28.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/11 10:58:05	39.060 142.213 30.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/11 10:52:07	38.534 143.346 29.9	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 10:45:46	38.466 143.591 41.1	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/11 10:35:35	37.044 141.298 25.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.9 2011/03/11 10:28:44	39.447 143.531 29.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.6 2011/03/11 10:20:27	36.966 142.289 21.7	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.0 2011/03/11 10:10:34	39.248 142.779 28.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/11 09:59:56	36.703 142.207 41.6	OFF THE EAST COAST OF HONSHU, JAPAN

MAP 5.5 2011/03/11 09:47:01	39.685 142.938 29.7	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/11 09:42:22	39.438 142.749 30.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/11 09:37:08	35.877 141.585 29.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 09:09:14	37.717 143.267 36.2	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/11 09:04:10	37.299 142.655 30.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/11 09:00:19	37.056 141.966 20.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/11 08:52:26	36.763 141.910 35.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 08:46:47	37.421 142.453 37.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.9 2011/03/11 08:40:56	37.465 141.122 38.6	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.1 2011/03/11 08:31:07	37.428 141.200 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.5 2011/03/11 08:19:24	36.200 142.000 19.9	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.2 2011/03/11 08:15:40	37.034 144.612 27.8	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.2 2011/03/11 08:12:04	36.606 141.557 19.8	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.5 2011/03/11 08:10:30	36.394 140.631 30.4	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.9 2011/03/11 08:01:58	37.071 142.734 22.6	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.6 2011/03/11 07:56:15	37.130 142.305 34.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.7 2011/03/11 07:54:44	37.742 141.565 45.3	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/11 07:42:55	36.406 141.919 29.9	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.9 2011/03/11 07:38:26	39.250 142.783 29.1	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.1 2011/03/11 07:28:12	36.802 141.911 24.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.1 2011/03/11 07:25:33	37.916 144.621 15.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.3 2011/03/11 07:14:59	36.648 141.811 25.0	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.9 2011/03/11 07:13:47	36.051 142.347 28.5	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.8 2011/03/11 07:10:59	37.899 142.734 30.0	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.3 2011/03/11 06:57:14	35.758 140.992 30.2	NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.3 2011/03/11 06:48:47	37.993 142.764 22.3	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 7.1 2011/03/11 06:25:50	38.106 144.553 19.7	OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.8 2011/03/11 06:15:40	36.186 141.192 35.0	NEAR THE EAST COAST OF HONSHU, JAPAN

MAP 6.4 2011/03/11 06:07:21	36.401 141.862 35.4 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.4 2011/03/11 06:06:11	39.025 142.316 25.1 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 8.9 2011/03/11 05:46:23	38.322 142.369 24.4 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/11 04:28:20	47.849 154.247 39.6 KURIL ISLANDS
MAP 4.9 2011/03/10 22:44:25	38.844 143.006 34.2 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/10 21:49:46	38.590 143.086 26.0 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/10 19:06:10	13.745 120.725 127.0 MINDORO, PHILIPPINES
MAP 6.5 2011/03/10 17:08:36	-6.862 116.765 508.1 BALI SEA
MAP 5.2 2011/03/10 16:54:45	38.053 143.253 4.7 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/10 15:22:51	-9.093 67.172 16.2 MID-INDIAN RIDGE
MAP 4.6 2011/03/10 14:24:46	-5.662 150.587 113.7 NEW BRITAIN REGION, PAPUA NEW GUINEA
MAP 5.1 2011/03/10 11:21:08	38.611 143.049 17.6 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/10 09:02:21	38.652 143.146 21.9 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/10 08:59:19	38.547 143.295 19.8 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.7 2011/03/10 08:08:20	38.630 143.304 17.2 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/10 07:33:04	38.954 142.458 20.0 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.2 2011/03/10 07:07:09	-43.550 172.740 10.0 SOUTH ISLAND OF NEW ZEALAND
MAP 5.4 2011/03/10 04:58:17	24.710 97.994 10.0 MYANMAR-CHINA BORDER REGION
MAP 4.6 2011/03/10 04:14:00	38.406 143.427 31.0 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/10 01:20:23	38.408 143.033 25.1 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/09 23:57:41	38.308 143.275 20.0 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.4 2011/03/09 23:37:00	38.438 143.185 32.8 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.5 2011/03/09 21:24:51	-6.022 149.659 29.0 NEW BRITAIN REGION, PAPUA NEW GUINEA
MAP 6.1 2011/03/09 21:22:18	38.385 142.642 23.0 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/09 21:00:57	38.267 142.580 22.5 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 6.0 2011/03/09 18:44:35	38.502 143.199 23.0 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 6.1 2011/03/09 18:16:14	38.378 142.506 22.0 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/09 17:57:27	18.714 121.430 59.9 LUZON, PHILIPPINES

MAP 4.8 2011/03/09 14:24:05	38.589 143.226 10.0 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/09 13:57:27	8.631 92.395 23.2 NICOBAR ISLANDS, INDIA REGION
MAP 4.7 2011/03/09 12:03:17	38.358 143.119 13.1 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/09 11:27:51	38.529 143.040 28.2 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/09 10:13:39	38.721 143.090 27.2 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/09 08:55:38	38.667 143.055 15.6 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/09 08:02:36	38.606 143.103 15.4 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/09 07:56:27	38.849 142.929 10.7 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/09 07:13:48	38.246 143.108 9.9 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.1 2011/03/09 06:25:12	38.299 143.067 10.8 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.9 2011/03/09 06:12:13	38.681 143.022 10.0 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.7 2011/03/09 05:27:06	37.830 145.135 10.0 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.3 2011/03/09 04:45:54	38.543 142.740 27.0 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.7 2011/03/09 04:37:03	38.666 142.991 25.5 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/09 04:32:10	38.727 143.001 32.1 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 4.8 2011/03/09 04:15:39	38.857 142.658 12.6 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/09 04:05:53	38.870 142.420 10.9 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.0 2011/03/09 03:19:00	38.795 142.962 19.9 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 5.2 2011/03/09 03:08:35	38.339 143.097 24.4 OFF THE EAST COAST OF HONSHU, JAPAN
MAP 5.6 2011/03/09 02:57:16	38.402 142.825 17.5 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 7.2 2011/03/09 02:45:20	38.424 142.836 32.0 NEAR THE EAST COAST OF HONSHU, JAPAN
MAP 4.6 2011/03/09 01:47:46	52.893 160.683 25.0 OFF THE EAST COAST OF KAMCHATKA, RUSSIA
MAP 4.7 2011/03/09 01:30:26	-19.410 171.907 19.3 VANUATU REGION
MAP 4.9 2011/03/08 22:42:39	52.731 160.884 22.8 OFF THE EAST COAST OF KAMCHATKA, RUSSIA
MAP 4.9 2011/03/08 21:42:31	-4.578 139.146 28.8 PAPUA, INDONESIA
MAP 4.8 2011/03/08 20:48:09	52.631 160.720 38.8 OFF THE EAST COAST OF KAMCHATKA, RUSSIA
MAP 4.4 2011/03/08 19:49:29	49.575 155.555 75.5 KURIL ISLANDS
MAP 4.3 2011/03/08 17:48:31	22.930 94.312 86.5 MYANMAR

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MAP 4.3 2011/03/08 15:18:29
                           48.359 151.215 201.2 KURIL ISLANDS
MAP 3.2 2011/03/08 11:32:10
                           53.395 178.753 25.0 RAT ISLANDS, ALEUTIAN ISLANDS, ALASKA
                           52.739 160.827 23.9 OFF THE EAST COAST OF KAMCHATKA, RUSSIA
MAP 4.7 2011/03/08 10:46:26
MAP 4.9 2011/03/07 13:28:29
                          -19.159 169.377 177.1 VANUATU
MAP 4.7 2011/03/07 12:32:04
                           -5.764 102.451 41.9 SOUTHERN SUMATRA, INDONESIA
MAP 5.0 2011/03/07 10:13:07
                           29.096 129.383 46.2 RYUKYU ISLANDS, JAPAN
MAP 4.9 2011/03/07 09:49:34
                           29.056 129.346 19.8 RYUKYU ISLANDS, JAPAN
MAP 4.6 2011/03/07 09:46:52
                           4.123 126.239 126.6 KEPULAUAN TALAUD, INDONESIA
MAP 4.5 2011/03/07 07:26:21
                           -3.465 151.641 424.3 NEW IRELAND REGION, PAPUA NEW GUINEA
MAP 6.6 2011/03/07 00:09:38
                          -10.334 160.739 37.9 SOLOMON ISLANDS
MAP 4.6 2011/03/06 20:50:32
                           73.061 5.998 34.8 GREENLAND SEA
MAP 4.9 2011/03/06 15:48:54
                           52.180 142.177 10.0 SAKHALIN, RUSSIA
MAP 4.8 2011/03/06 13:35:16
                           52.847 160.698 44.7 OFF THE EAST COAST OF KAMCHATKA, RUSSIA
MAP 4.9 2011/03/06 13:09:33
                           52.882 160.605 49.9 OFF THE EAST COAST OF KAMCHATKA, RUSSIA
MAP 4.7 2011/03/06 11:26:25
                           26.909 143.598 10.0 BONIN ISLANDS, JAPAN REGION
MAP 4.7 2011/03/06 11:06:27
                           26.903 143.632 10.1 BONIN ISLANDS, JAPAN REGION
MAP 4.3 2011/03/06 10:57:29
                           36.447 71.193 232.8 HINDU KUSH REGION, AFGHANISTAN
MAP 5.0 2011/03/06 10:52:52
                           26.897 143.610 10.1 BONIN ISLANDS, JAPAN REGION
MAP 4.5 2011/03/06 10:11:35
                           -9.389 119.210 85.9 SUMBA REGION, INDONESIA
MAP 4.4 2011/03/06 08:39:52
                           53.742 159.112 158.2 NEAR THE EAST COAST OF KAMCHATKA.
RUSSIA
                           39.208 40.355 10.0 EASTERN TURKEY
MAP 4.3 2011/03/06 07:58:40
MAP 4.9 2011/03/06 07:13:24
                           27.023 143.682 10.0 BONIN ISLANDS, JAPAN REGION
MAP 4.5 2011/03/06 05:21:07
                           -5.148 102.356 40.8 SOUTHERN SUMATRA. INDONESIA
MAP 4.8 2011/03/06 03:43:31
                          -42.381 173.921 10.0 SOUTH ISLAND OF NEW ZEALAND
MAP 4.2 2011/03/06 03:28:17
                           34.801 24.960 44.8 CRETE, GREECE
MAP 5.1 2011/03/06 01:44:07 -23.054 170.448 35.3 SOUTHEAST OF THE LOYALTY ISLANDS
                           26.953 143.702 10.7 BONIN ISLANDS, JAPAN REGION
MAP 4.7 2011/03/06 00:55:59
MAP 4.4 2011/03/06 00:18:25
                           23.933 94.001 69.8 MYANMAR
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