California, *continued*

8:15 PM	Predicted time of arrival of possible tsunami at Cape Mendocino, CA. This was the earliest wave arrival prediction.
8:16 PM	NOAA Pacific Marine Enviornmental Laboratory (PMEL) ran experimental forecast. Forecast predicts one centimeter tsunami at DART Station off the Oregon Coast at 8:40 pm.
8:52 PM	WC/ATWC called PTWC to discuss canceling the warning. PTWC provided evaluation of Crescent City tide data.
9:09 PM	Tsunami warning cancelled by WC/ATWC for coastal areas from the California-Mexico Border to the northern tip of Vancouver Island, B.C.
9:11 PM	Washington State EOC received Tsunami Cancellation Message via National Warning System (NAWAS).
9:12 PM	NAWAS issued announcement of WC/ATWC warning cancellation.
9:17 PM	State EOC relays Tsunami Cancellation Message via National Warning System (NAWAS).
9:52 PM	Tsunami cancellation statement is corrected for errors* by WC/ATWC.

NEAR EAST COAST OF HONSHU, JAPAN M_W=7.2, 16 AUGUST 2005, 02:46 UTC

An earthquake measuring 7.2 Mw (HRV) occured east of the Japanese Island of Honshu on 16 August 2005 at 2:46 UTC (Figure 1). The location of the earthquake was calculated to be 38.2º N and 142.1º E, with a depth of 37km. At least 39 people were injured in Miyagi, nine in Iwate, five in Fukushima and three Saitama Prefectures. One building was destroyed at Kazo and one damaged at Sendai. Power outages and landslides occurred in various locations in northern Japan.

A local tsunami was generated with a wave height of 10 cm on the coast of northern Japan (Figures 2,3 and Table next page). Wave heights were recorded at several tide stations along the coast of Honshu, with the largest wave height of 13 cm recorded at Ayukawa in Miyagi Prefecture.

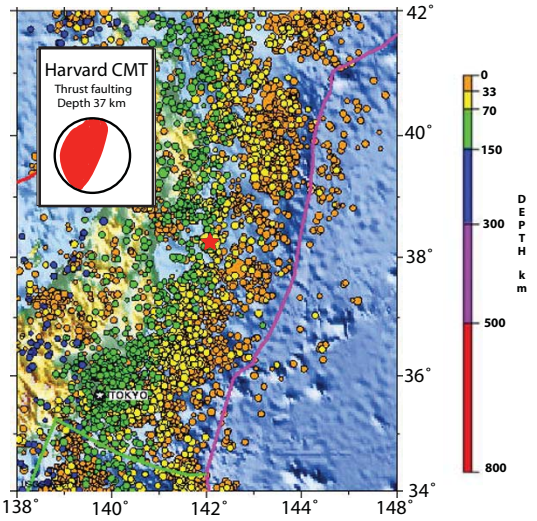

Figure 1. Historical seismicity observed in the region. The epicentre of the 16 August 2005 earthquake is shown by the red star. The purple line indicates the Japan Trench. (Map from NEIC).

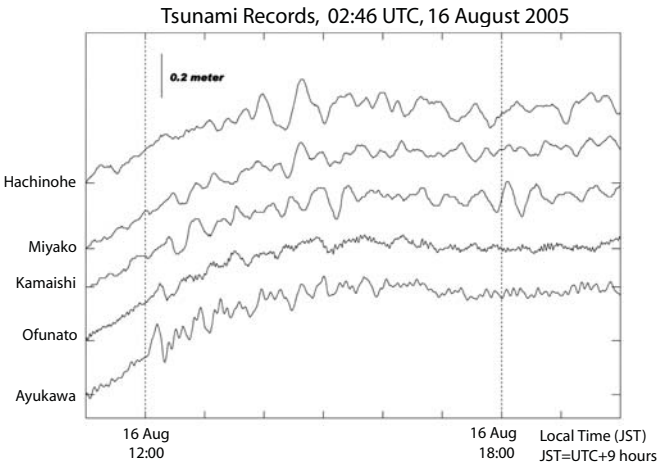

Figure 2. Sea level records recording tsunami. (Data and charts courtesy of JMA).

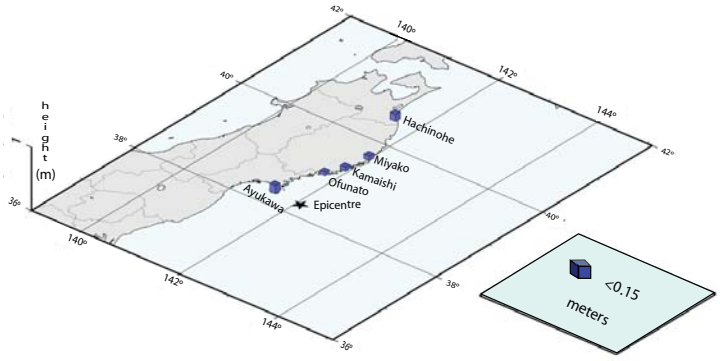

Figure 3. Observed tsunami heights from the 16 August 2005 earthquake as reported by JMA. The map shows the reported run-up heights along the Tohoku Coast. The blue bars indicate maximum wave height of less then 15 cm. above mean sea level.

Off Honshu, *continued*

Tide station name	Latitude	Longitude	Arrival time (JST)	Initial wave height (cm)	Max wave height (cm)
HACHINOHE	40°32’	141°32’	13:06	-5	11
MIYAKO	39°39’	141°59’	12:25	2	7
KAMAISHI	39°16’	141°53’	12:21	2	4
OFUNATO	39°01’	141°45’	12:11	4	5
AYUKAWA	38°18’	141°30’	12:03	13	13

NORTHERN HONSHU, JAPAN M_W=7.0, 14 NOVEMBER 2005, 21:39 UTC

A major earthquake with a magnitude of 7.0 (HRV) occurred at 2138 UTC 14 November, 2005 off the east coast of Honshu, Japan (38.09ºN 144.9ºE) (Figure 1). The earthquake was widely felt in northern and eastern Honshu and Hokkaido. There were no reports of major damage.

A local tsunami was generated with a wave height of 42 cm at Ofunato City. Smaller wave heights were recorded along at other locations along the coast of Honshu. (see figures 2, 3 and table below).

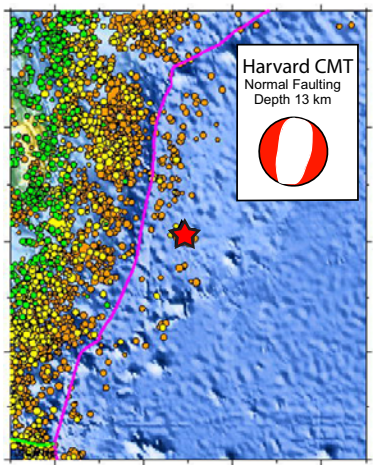

Figure 1. Map of historical seismicity from NEIC. The earthquake (red star).

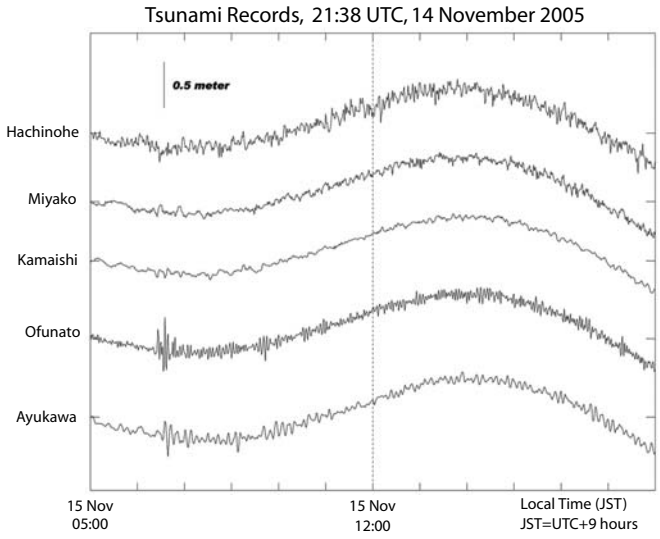

Figure 2. Sea level station records recording tsunami with details listed on the table below. Data and charts coutesty of JMA.

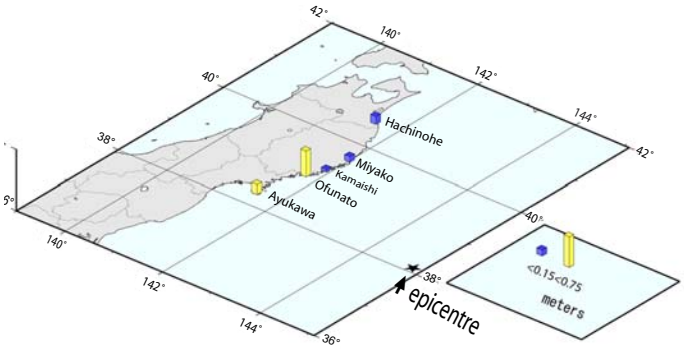

Figure 3. Observed tsunami heights from the 14 November 2005 earthquake as reported by JMA. The blue bars indicate locations where a maximum wave value of less then 15 cm. above mean sea level, while the yellow bars indicate locations where the height was less then 75 cm. above sea level.

Tide station name	Latitude	Longitude	Arrival time (JST)	Initial wave height (cm)	Max wave height (cm)
HACHINOHE	40°32’	141°32’	unknown	unknown	13
MIYAKO	39°39’	141°59’	unknown	unknown	9
KAMAISHI	39°16’	141°53’	unknown	unknown	4
OFUNATO	39°01’	141°45’	7:24	-4	42
AYUKAWA	38°18’	141°30’	7:30	-7	16