

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 (38.09°N 144.9°E) (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).

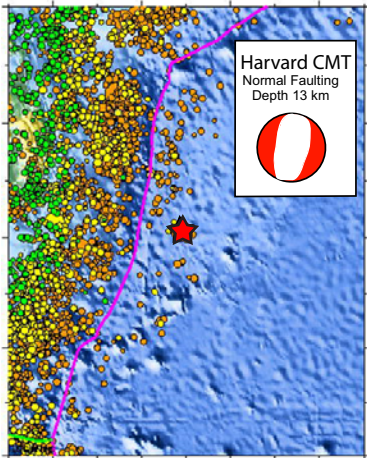


Figure 1. Map of historical seismicity from NEIC. The earthquake (red star).

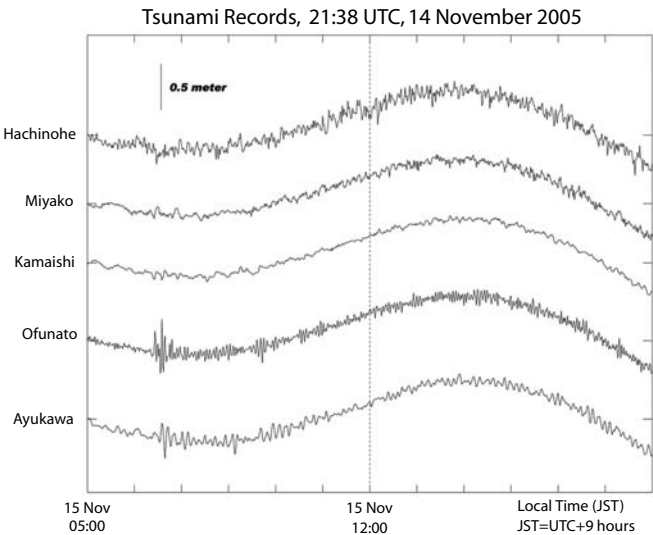


Figure 2. Sea level station records recording tsunami with details listed on the table below. Data and charts courtesy of JMA.

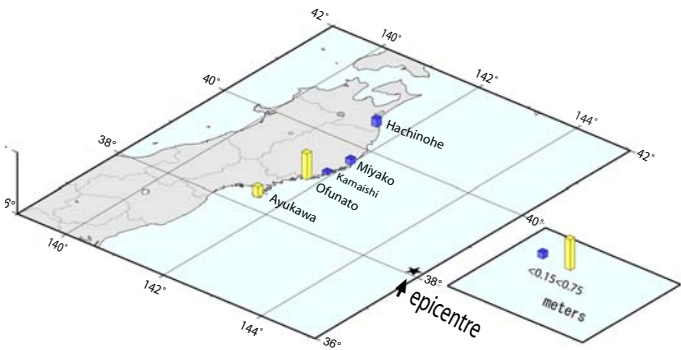


Figure 3. Observed tsunami heights from the 14 November 2005 earthquake as reported by JMA. The blue bars indicate locations where a maximum wave value of less than 15 cm. above mean sea level, while the yellow bars indicate locations where the height was less than 75 cm. above sea level.

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