

PacWave11 Tsunami Exercise

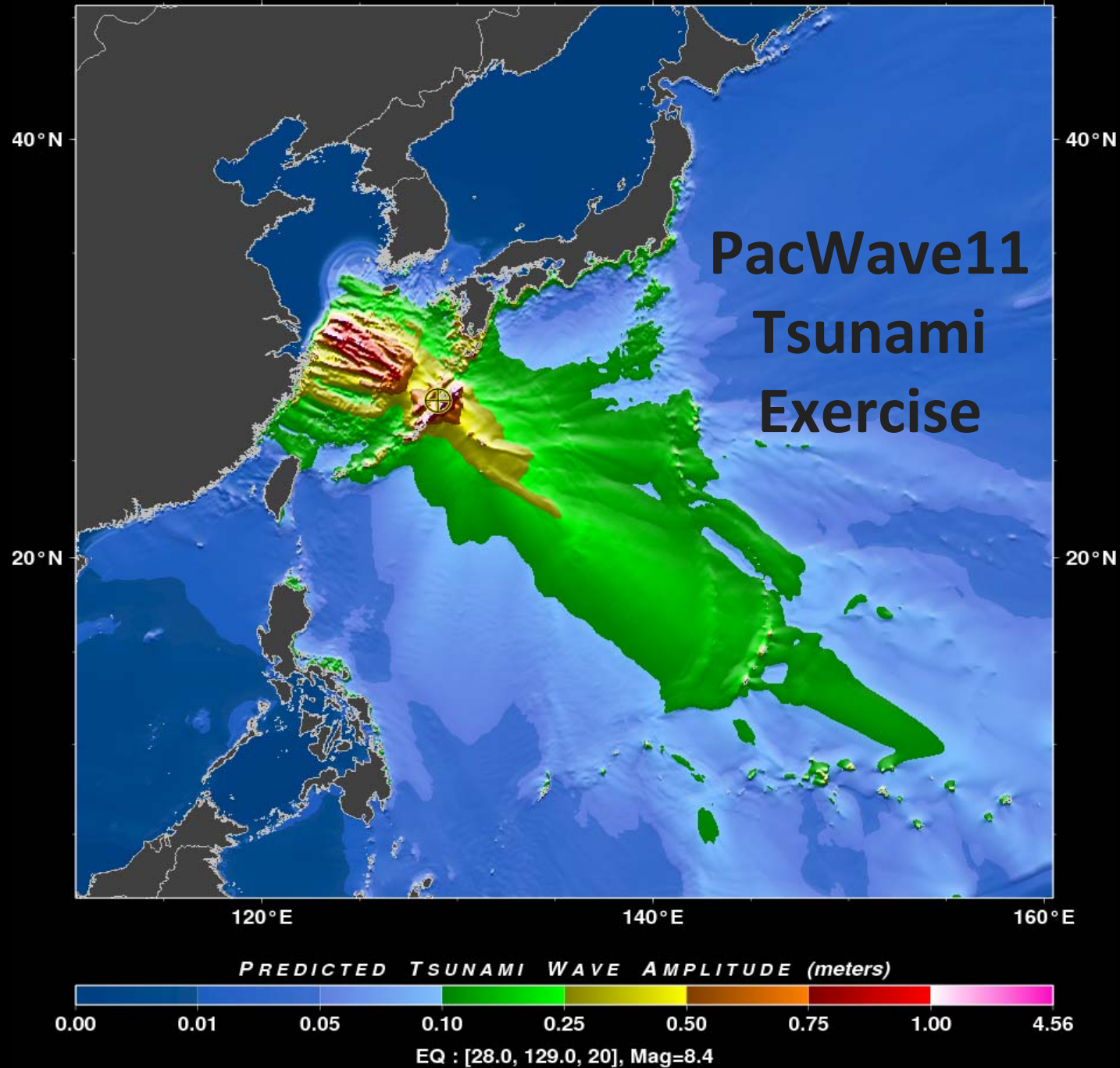
**Ryukyu Islands Mw=9 Earthquake and
Tsunami Scenario**

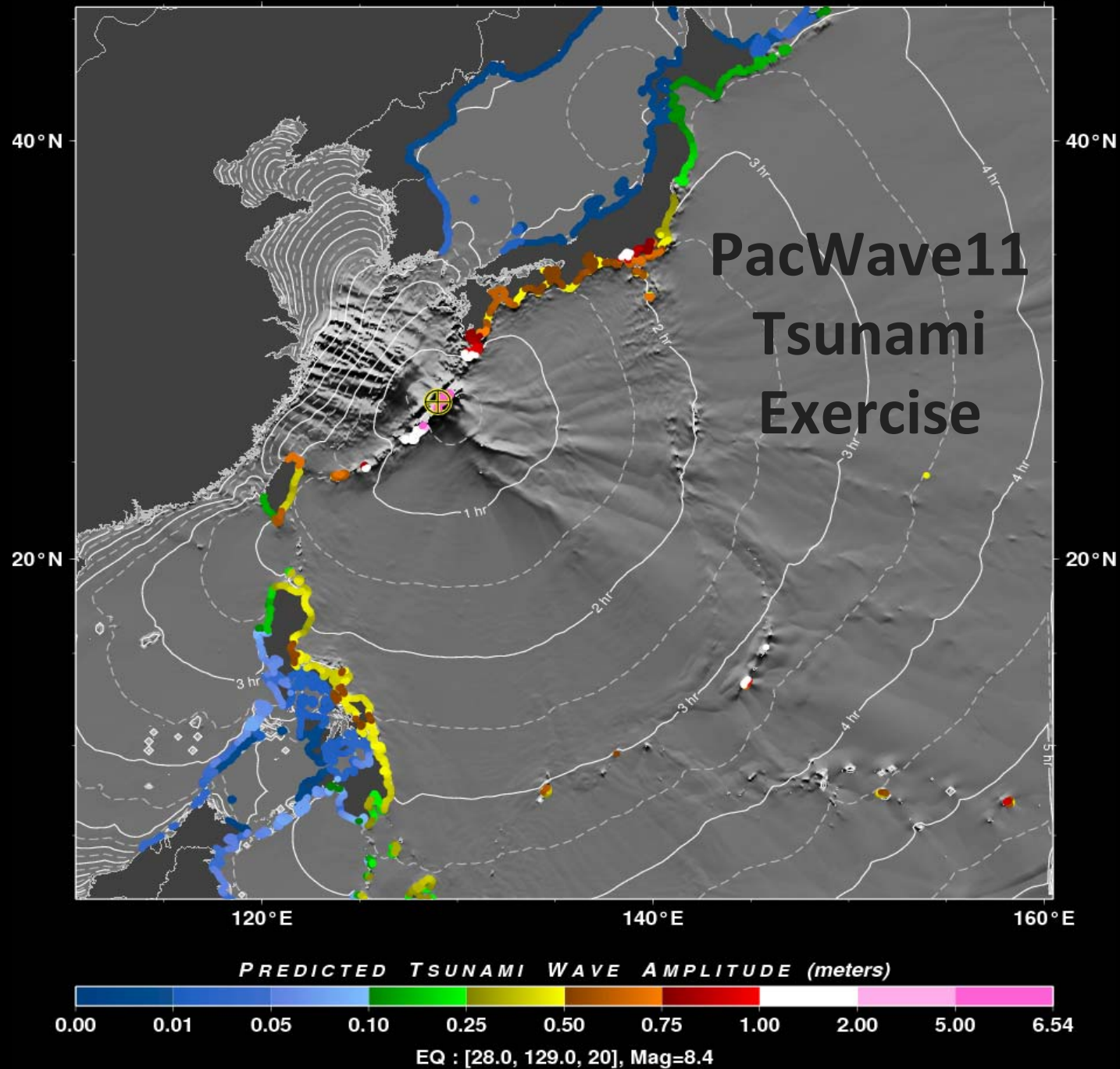
Draft Experimental Maps

PRODUCT #01
would be issued at 2310 UTC,
10 minutes after the earthquake, and
includes the following 3 maps as part
of the 1st product suite.

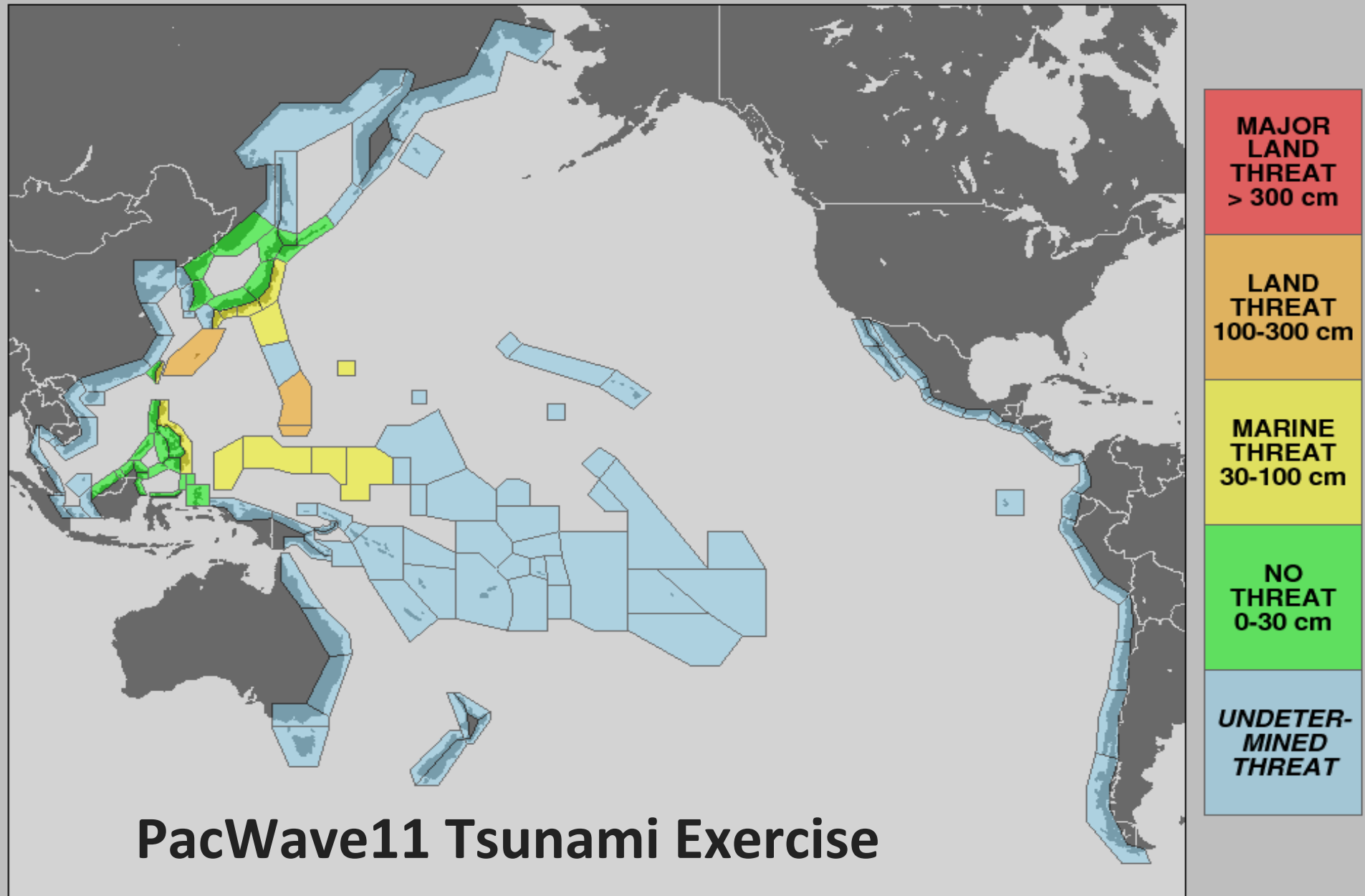
To provide a fast product,
the forecast area for
Product #01 is limited.
The whole Pacific forecast is in Product
#02.

Initial Preliminary Mw=8.4





PTWC Tsunami Threat Level Forecast Number 01 - Issued 11/09/2011 at 2310 UTC



Earthquake: 11/09/2011 2300 UTC 28.0°N 129.0°E h=20km Mw=8.4

PRODUCT #02

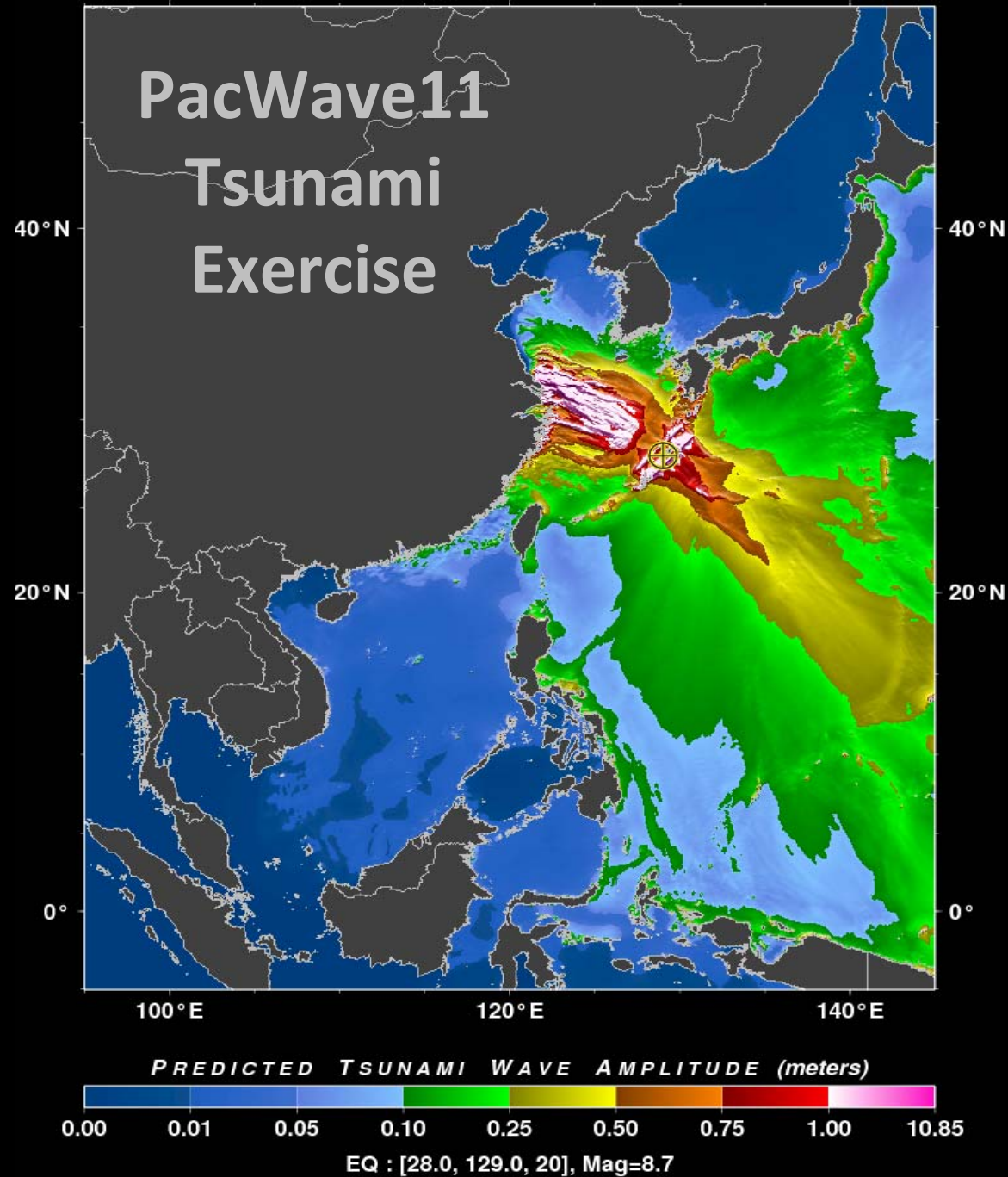
**would be issued at 2345 UTC,
45 minutes after the earthquake, and
includes the following 6 maps as part
of the 2nd product suite.**

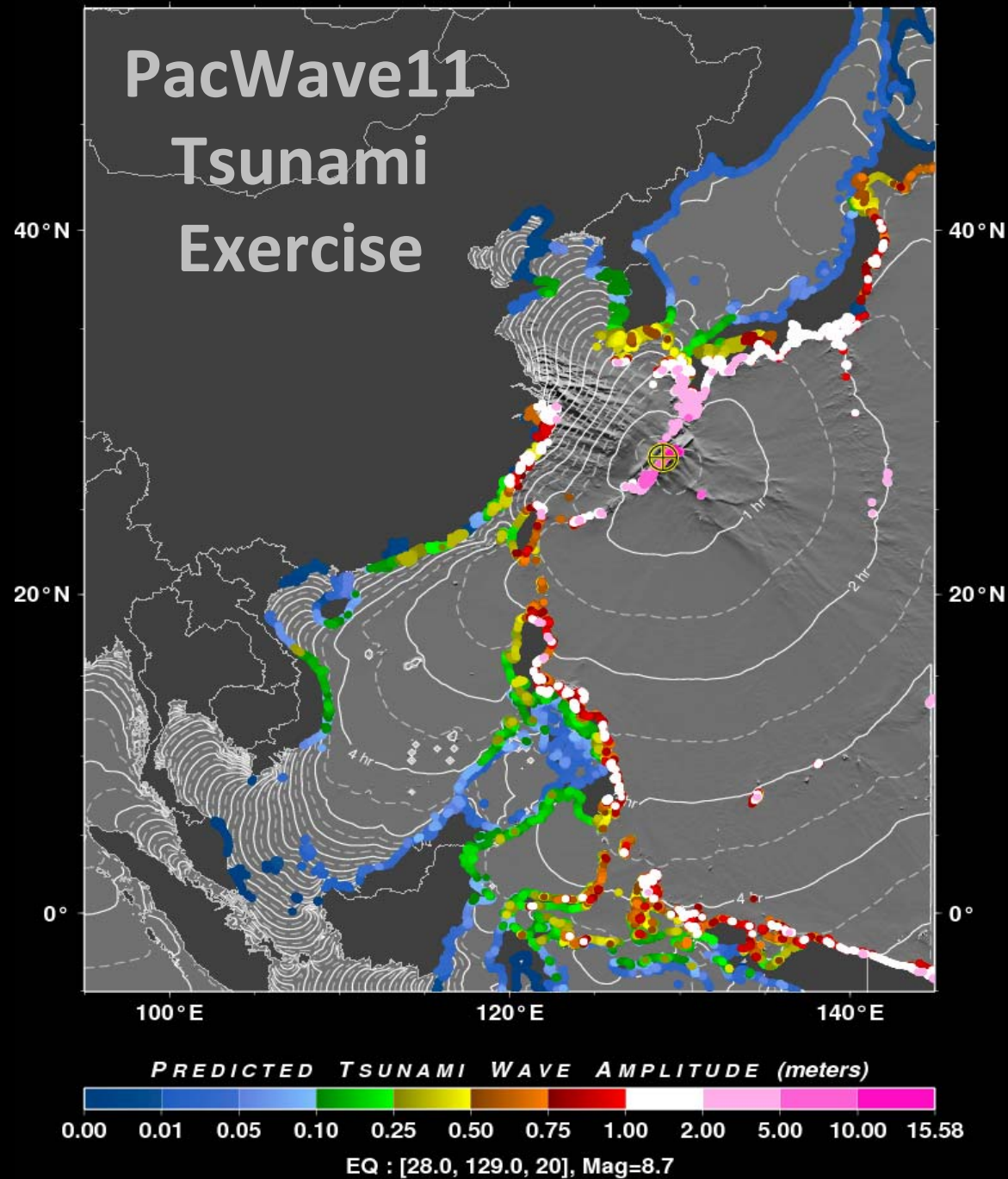
Updated Mw=8.7

PRODUCT #02a - High Resolution Model

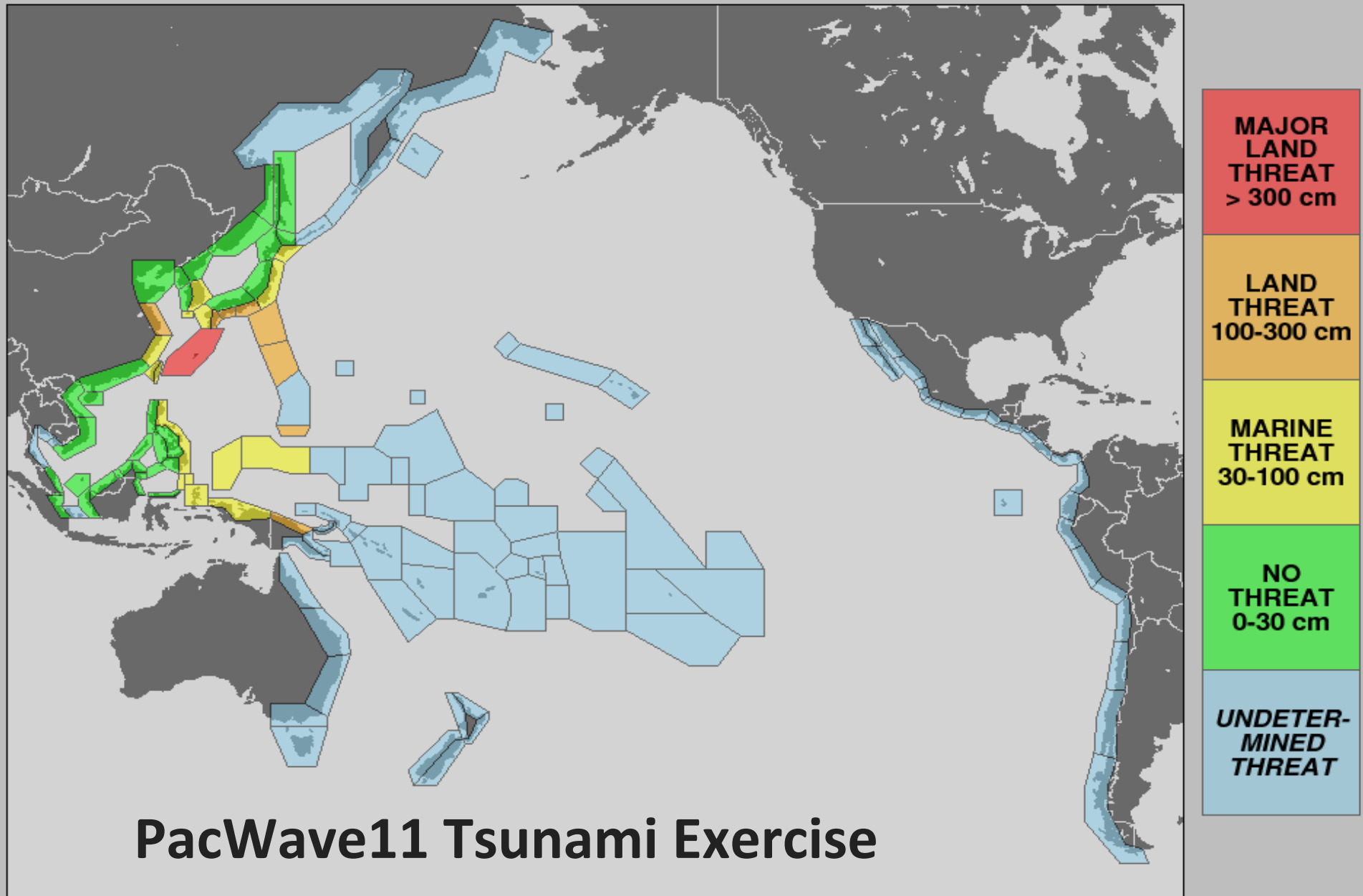
The following 3 maps are based on a high-resolution model that can better model tsunami waves in the shallow seas off the coasts of China and the Korean peninsula.

In case of a conflict between this forecast and the one produced for the entire Pacific region, the more conservative forecast should be used.





PTWC Tsunami Threat Level Forecast Number 02 - Issued 11/09/2011 at 2345 UTC



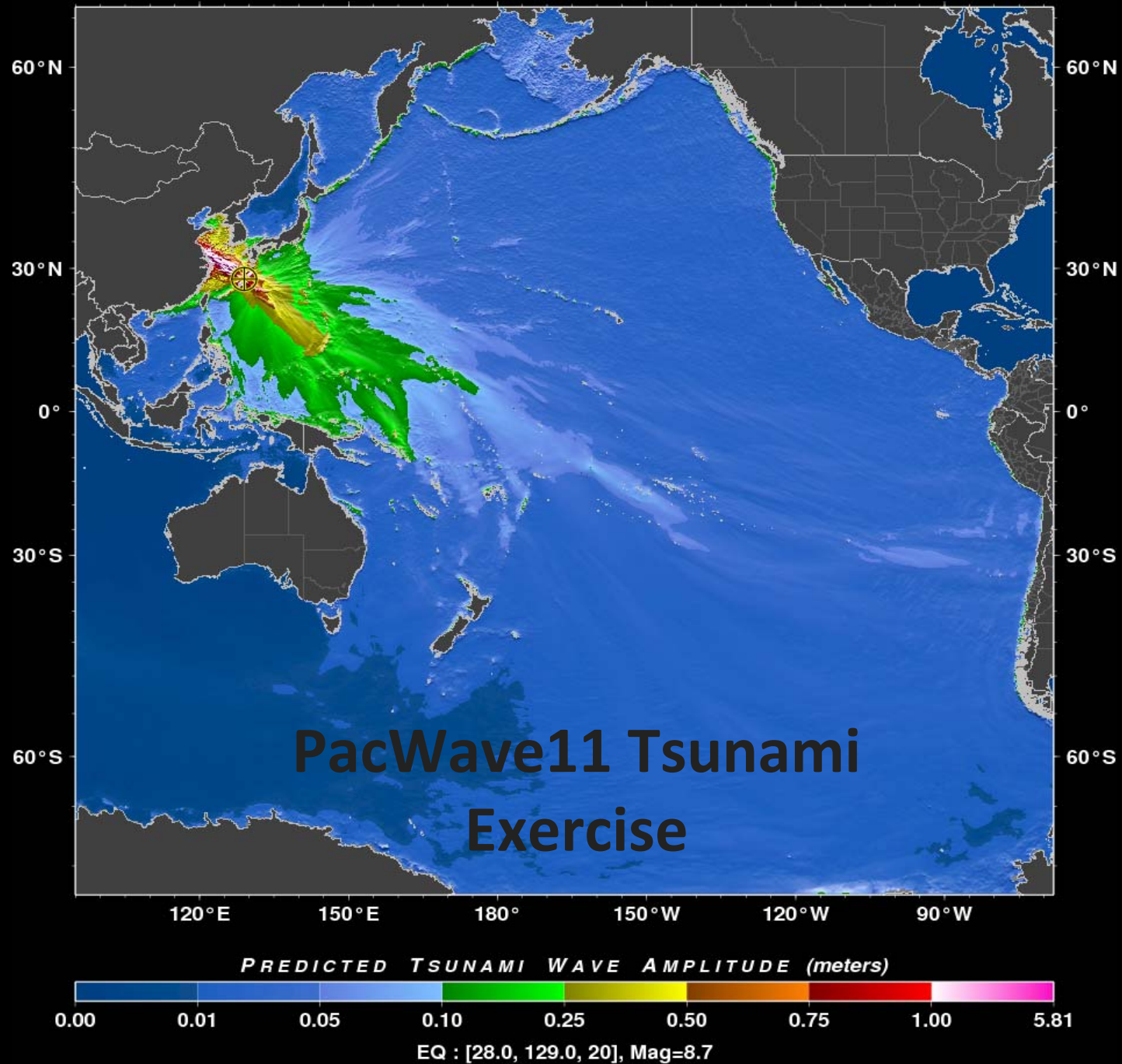
Earthquake: 11/09/2011 2300 UTC 28.0°N 129.0°E h=20km Mw=8.7

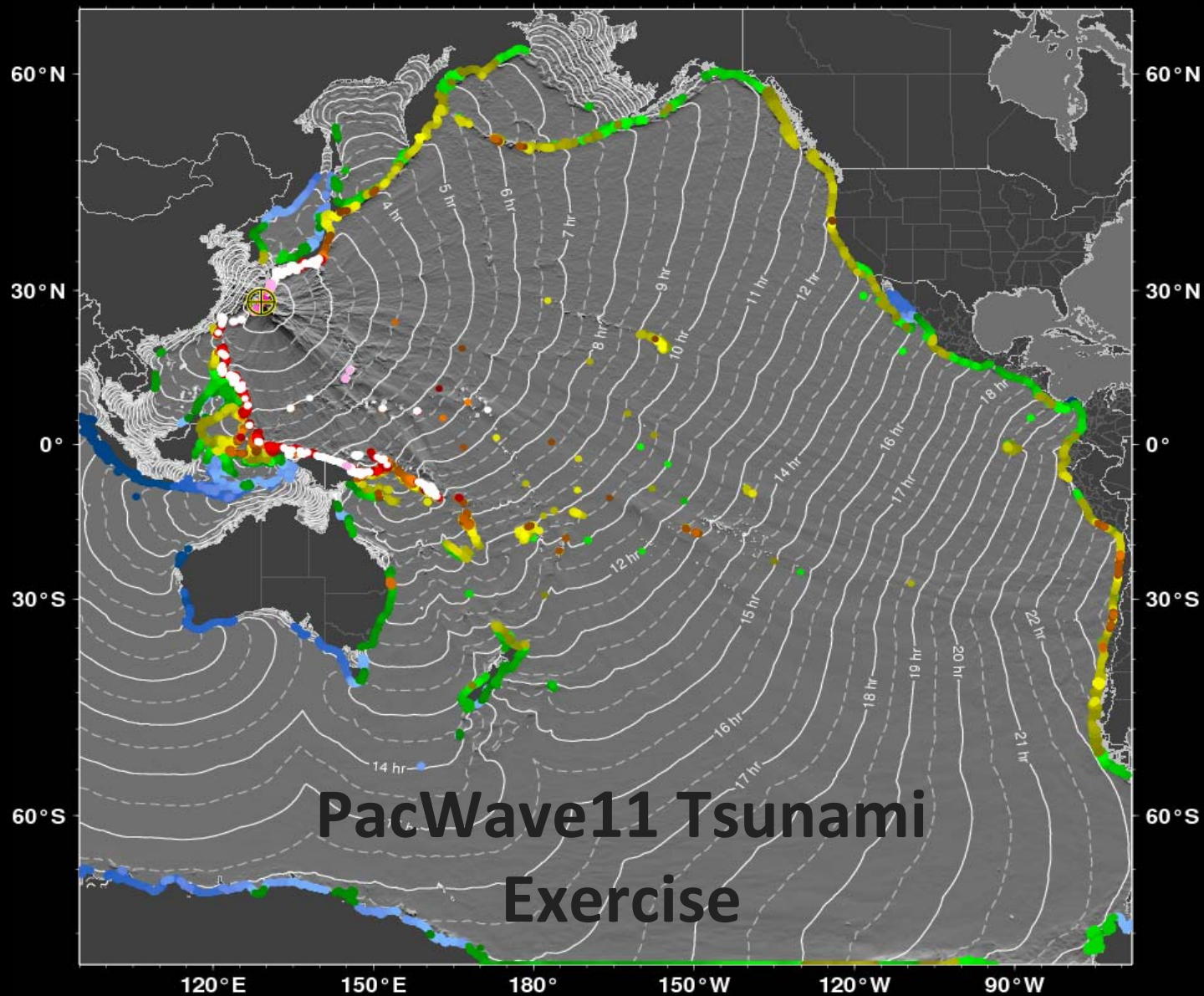
PRODUCT #02b - Normal Resolution Model

The following 3 maps are based on a forecast model with a resolution appropriate for modeling tsunami waves in the deep waters of the Pacific Basin. The model does not give results for shallow seas such as those off the coast of China and the Korean peninsula.

In case of a conflict between this forecast and the one produced by the high resolution model, the more conservative forecast should be used.

PTWC Deep-Ocean Tsunami Forecast Number 02 – Issued 11/09/2011 2345 UTC



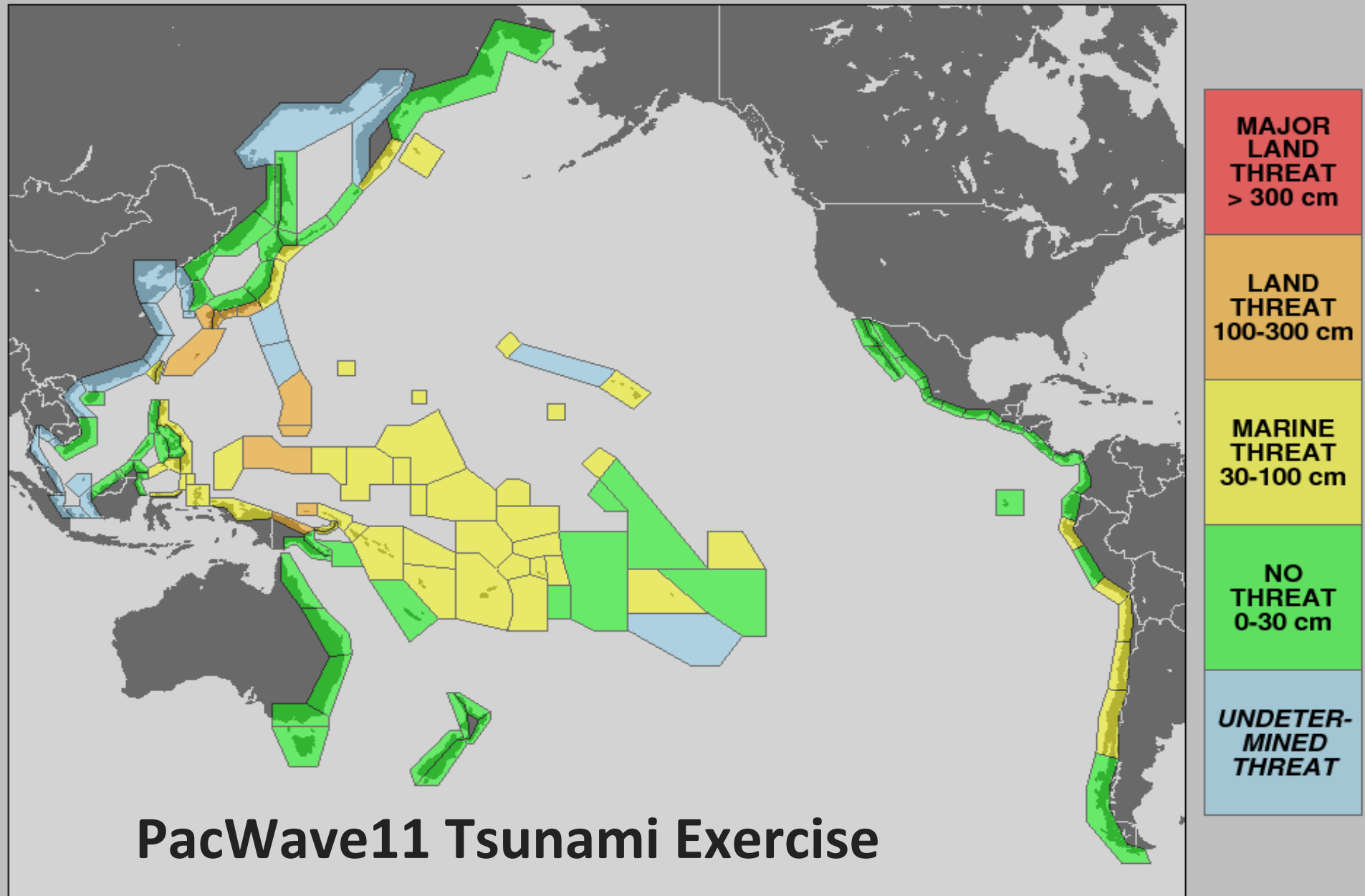


PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [28.0, 129.0, 20], Mag=8.7

PTWC Tsunami Threat Level Forecast Number 02 - Issued 11/09/2011 at 2345 UTC



Earthquake: 11/09/2011 2300 UTC 28.0°N 129.0°E h=20km Mw=8.7

PRODUCT #03
would be issued at 0045 UTC,
105 minutes after the earthquake,
and includes the following 6 maps as
part of the 3rd product suite.

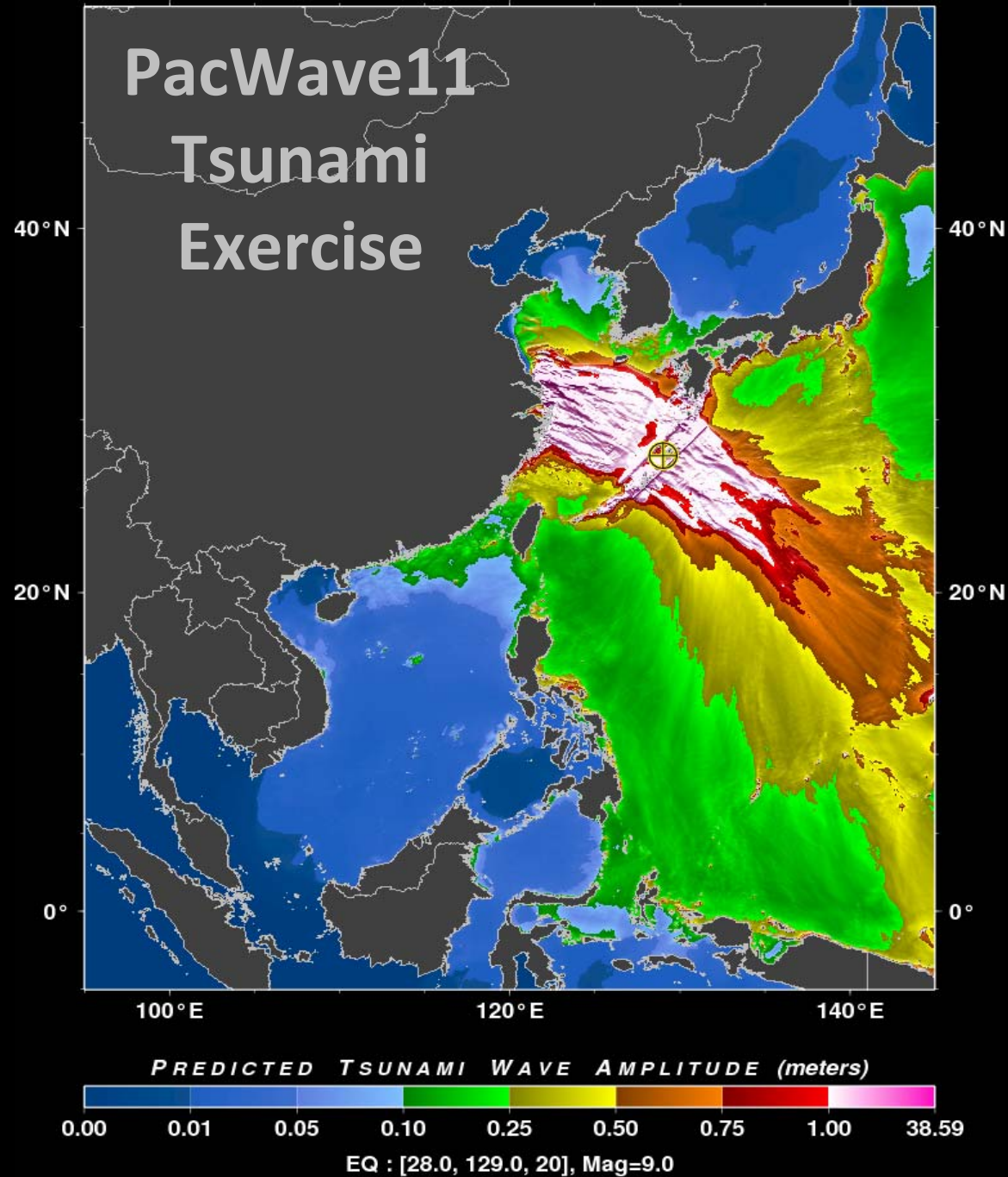
Updated Mw=9.0

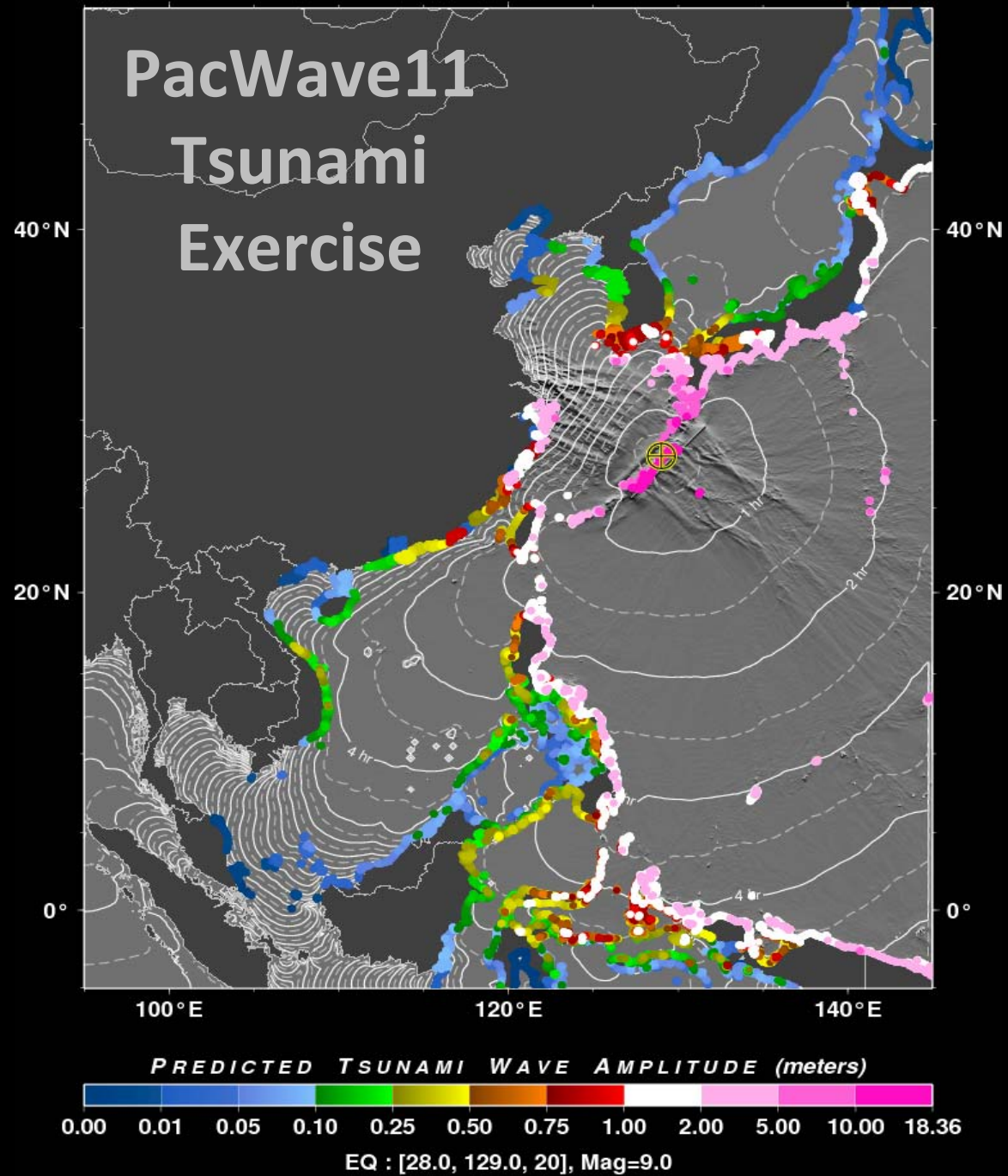
The maps do not change further for
this scenario.

PRODUCT #03a - High Resolution Model

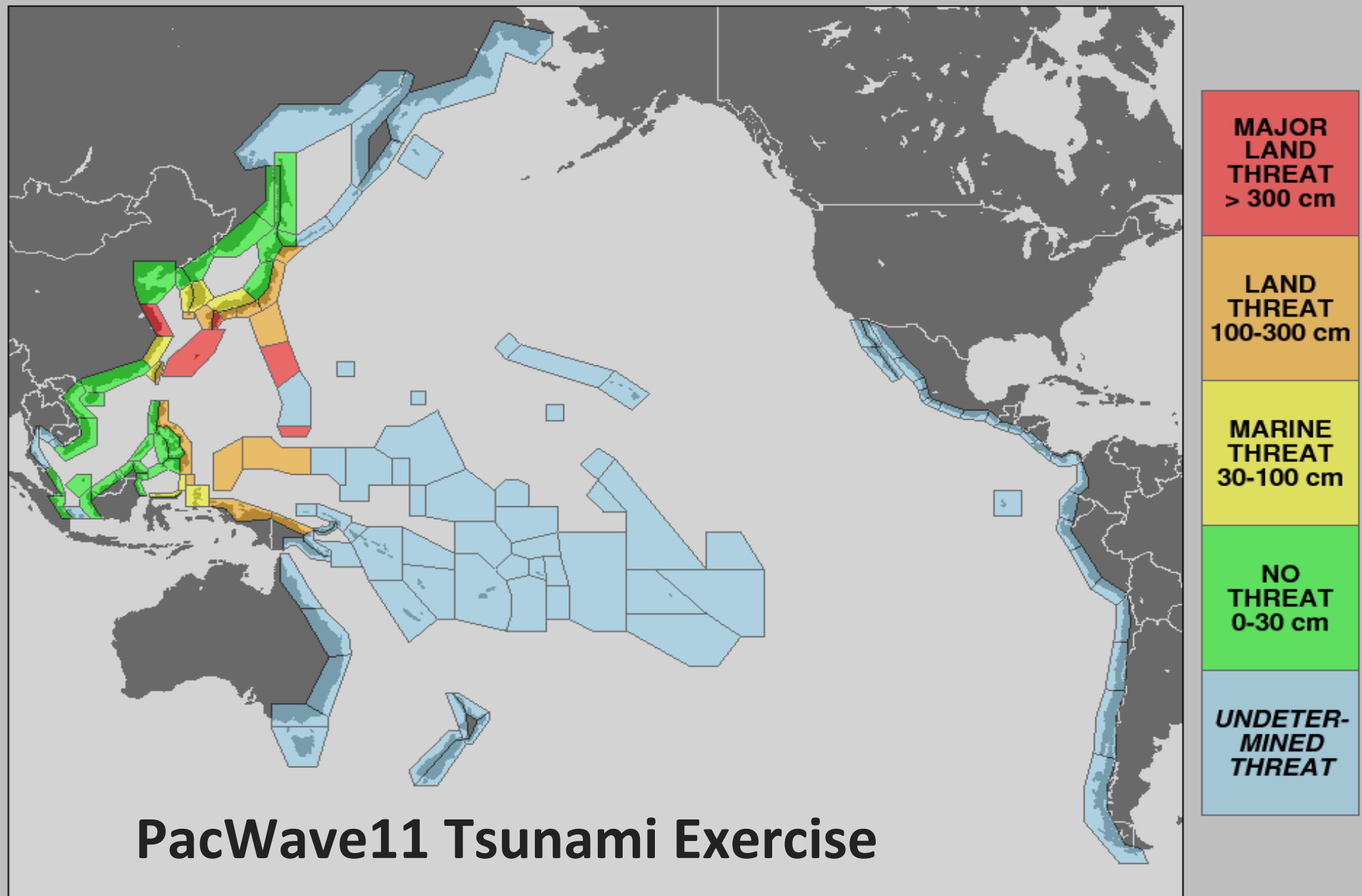
The following 3 maps are based on a high-resolution model that can better model tsunami waves in the shallow seas off the coasts of China and the Korean peninsula.

In case of conflict between this forecast and the one produced for the entire Pacific region, the more conservative forecast should be used.





PTWC Tsunami Threat Level Forecast Number 03 - Issued 11/10/2011 at 0045 UTC



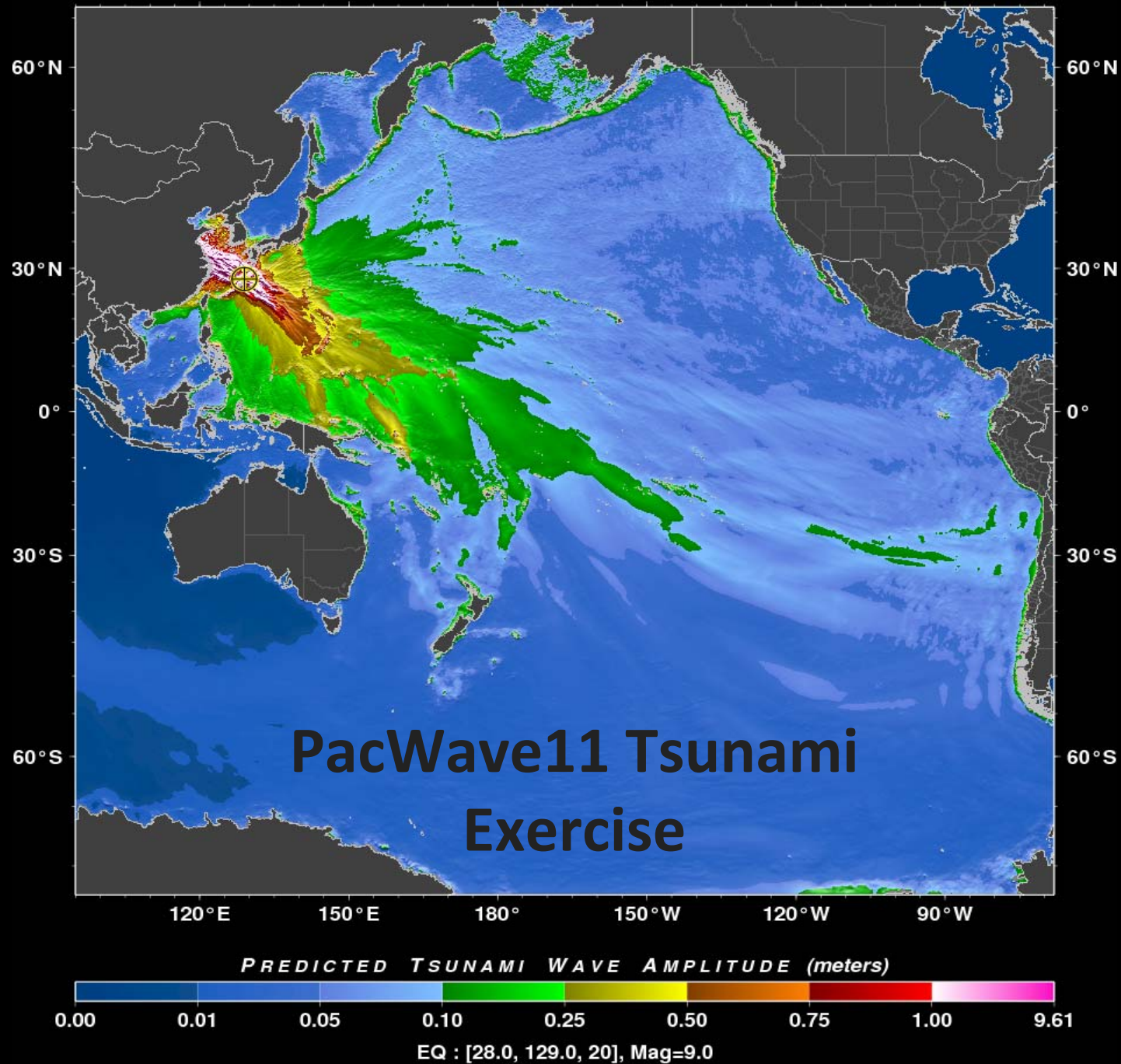
Earthquake: 11/09/2011 2300 UTC 28.0°N 129.0°E h=20km Mw=9.0

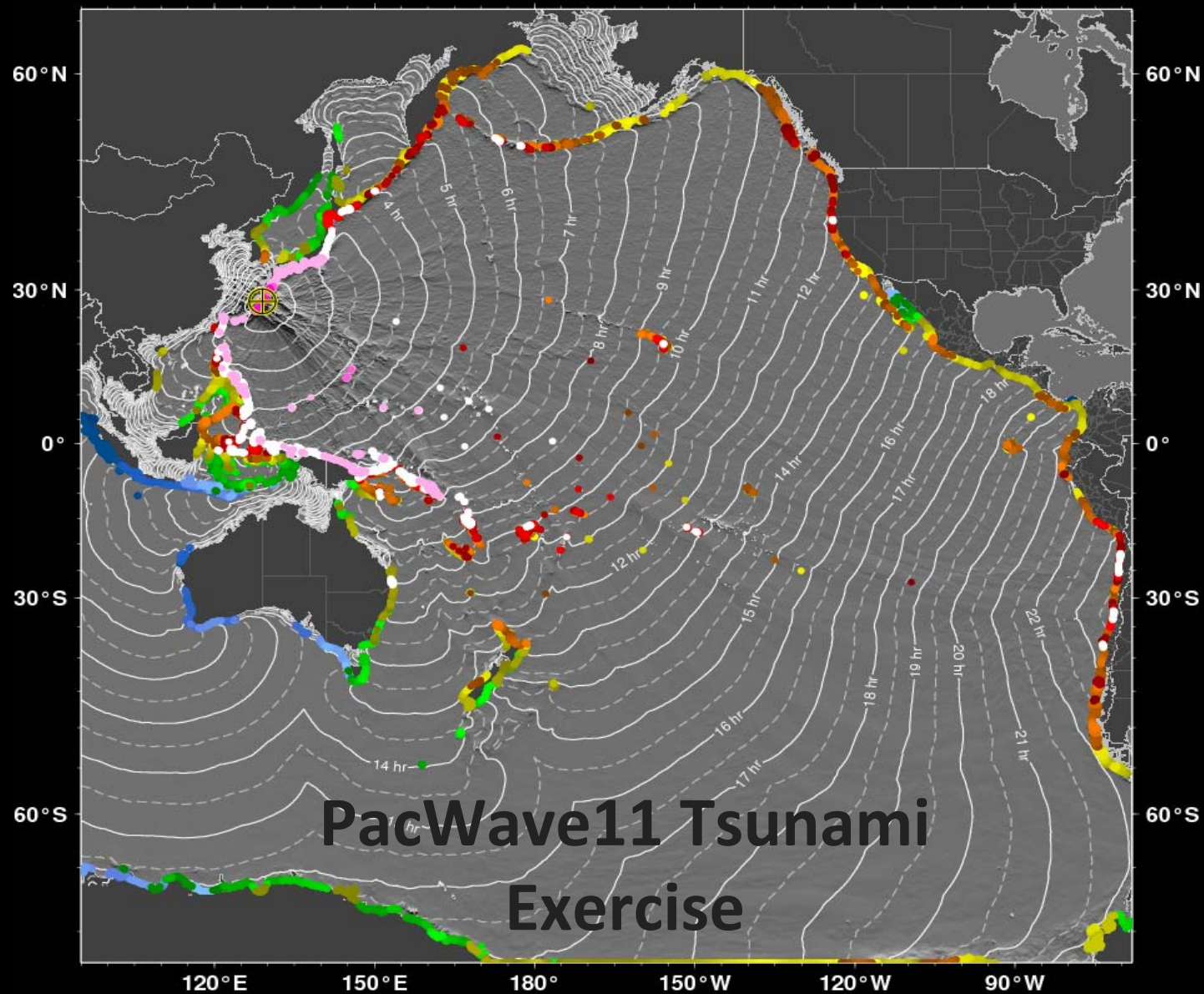
PRODUCT #03b - Normal Resolution Model

The following 3 maps are based on a forecast model with a resolution appropriate for modeling tsunami waves in the deep waters of the Pacific Basin. The model does not give results for shallow seas such as those off the coast of China and the Korean peninsula.

In case of a conflict between this forecast and the one produced by the high resolution model, the more conservative forecast should be used.

PTWC Deep-Ocean Tsunami Forecast Number 03 – Issued 11/10/2011 0045 UTC





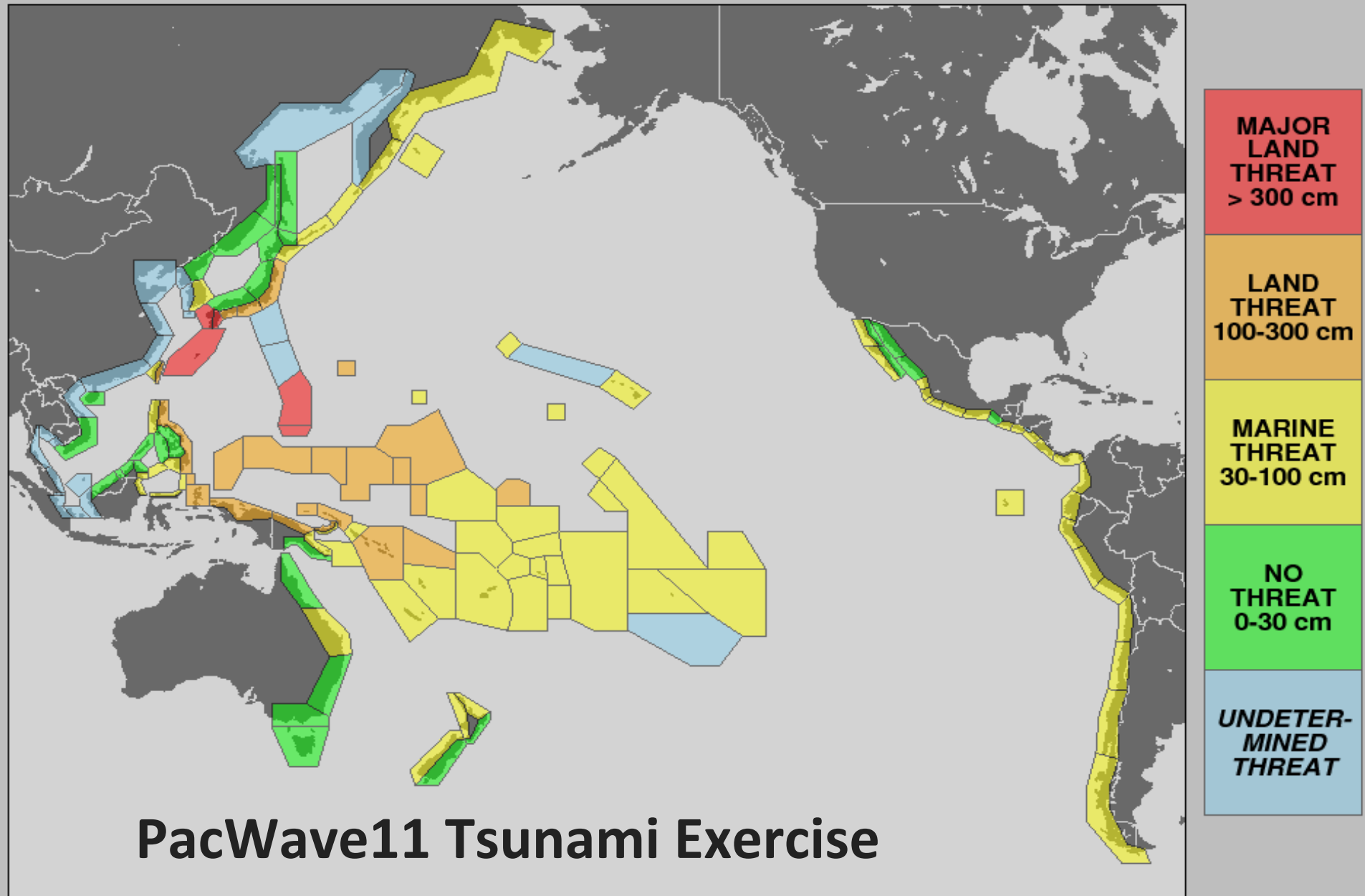
PacWave11 Tsunami Exercise

PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [28.0, 129.0, 20], Mag=9.0

PTWC Tsunami Threat Level Forecast Number 03 - Issued 11/10/2011 at 0045 UTC



Earthquake: 11/09/2011 2300 UTC 28.0°N 129.0°E h=20km Mw=9.0