

PacWave11 Tsunami Exercise

**Tonga Trench Mw=9 Earthquake and
Tsunami Scenario**

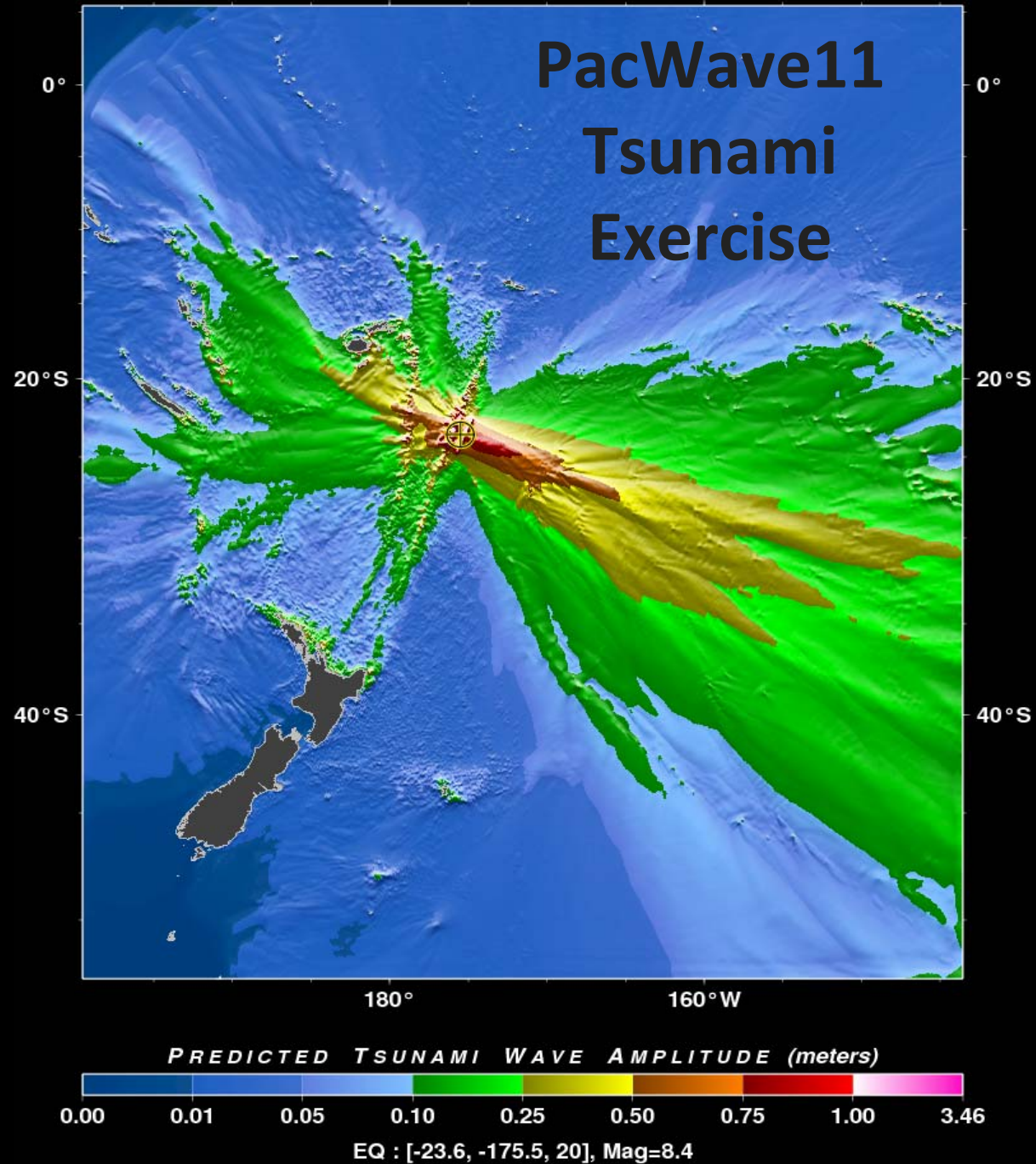
Draft Experimental Maps

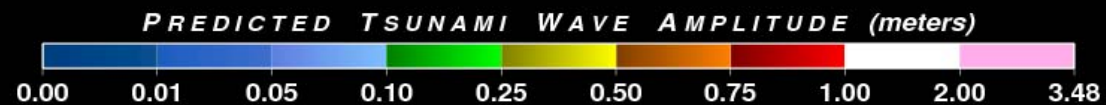
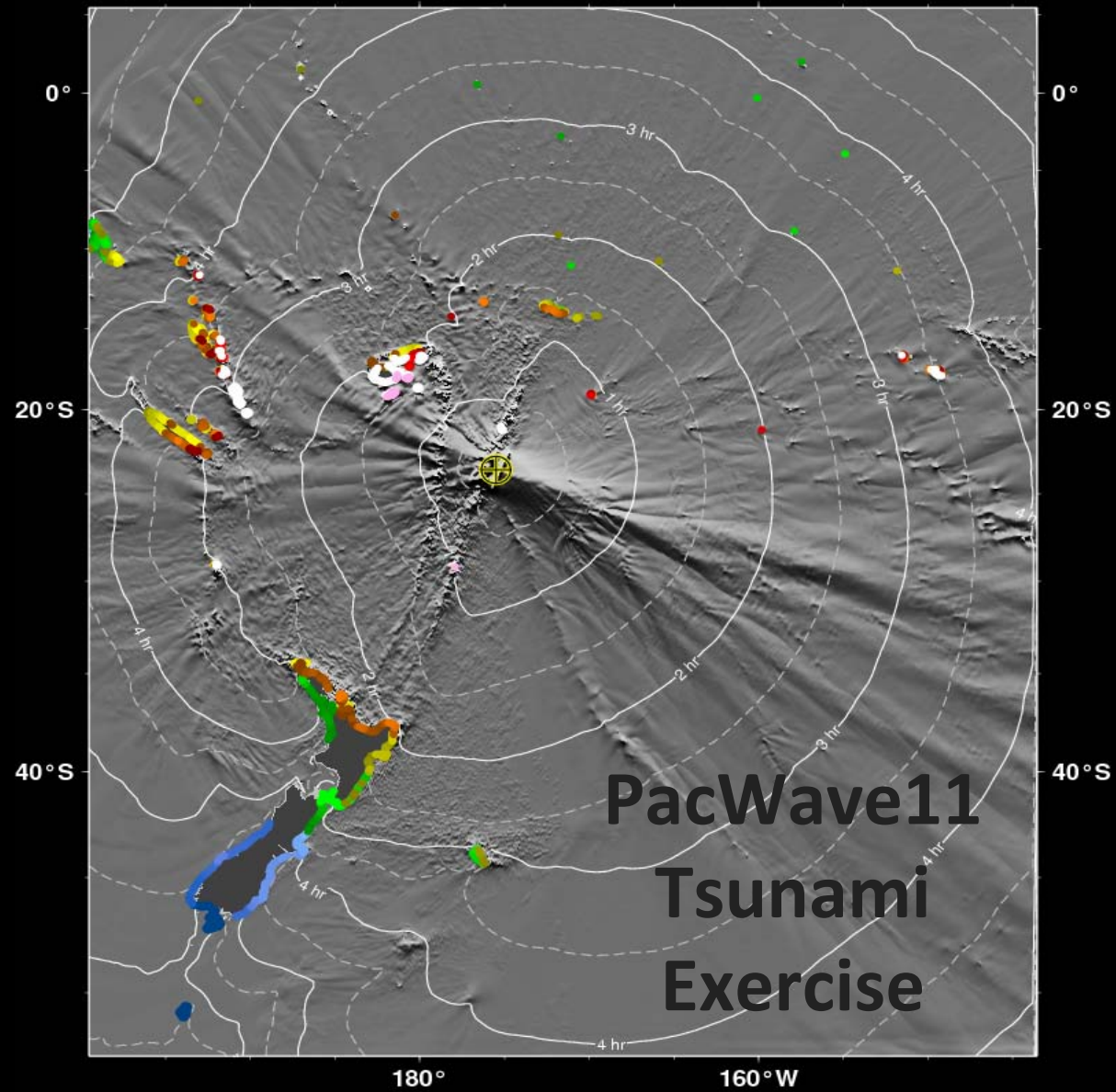
PRODUCT #01

**would be issued at 2108 UTC,
8 minutes after the earthquake, and
includes the following 3 maps as part
of the 1st product suite.**

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

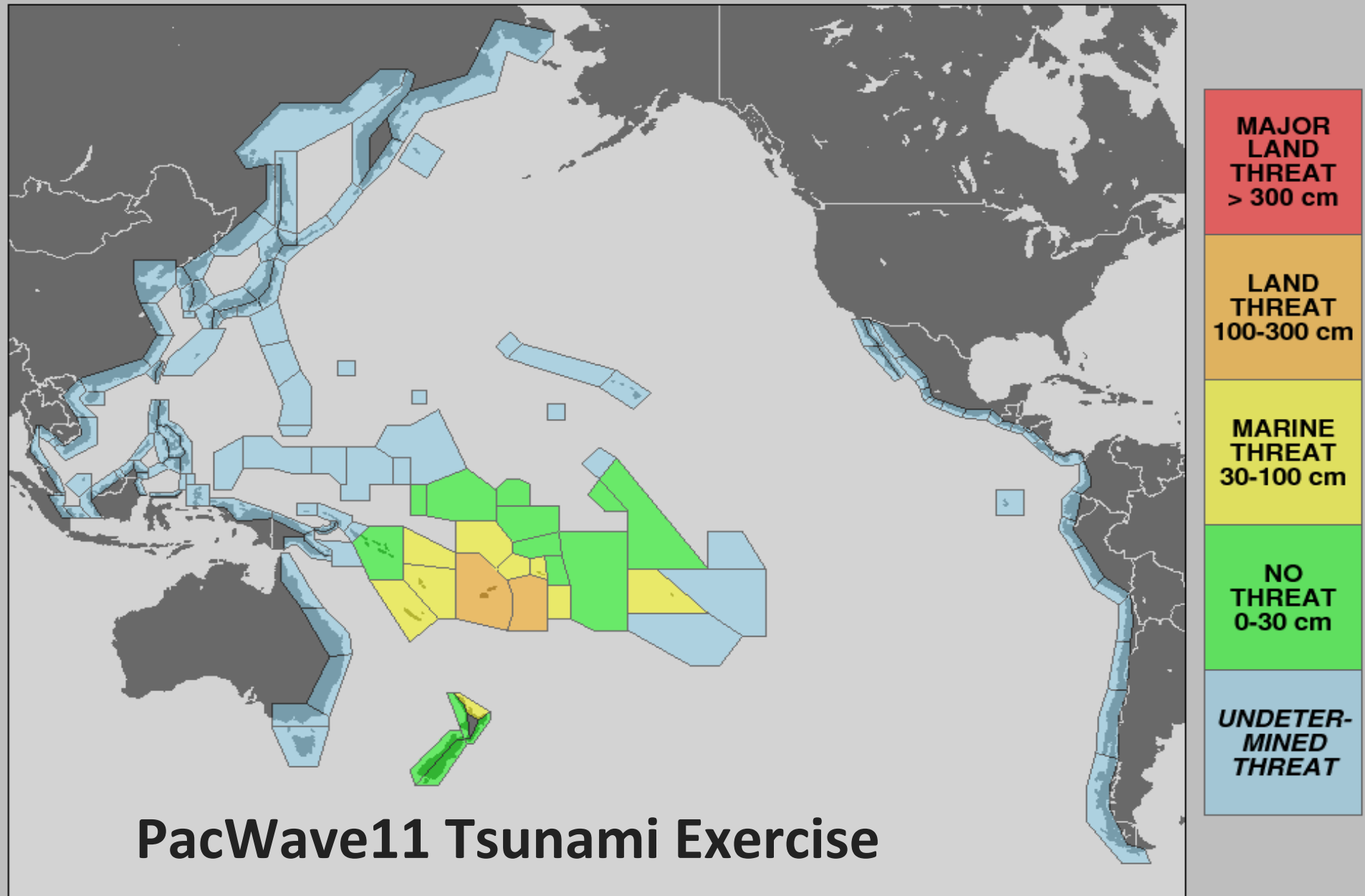
Initial Preliminary Mw=8.4





EQ : [-23.6, -175.5, 20], Mag=8.4

PTWC Tsunami Threat Level Forecast Number 01 - Issued 11/09/2011 at 2108 UTC

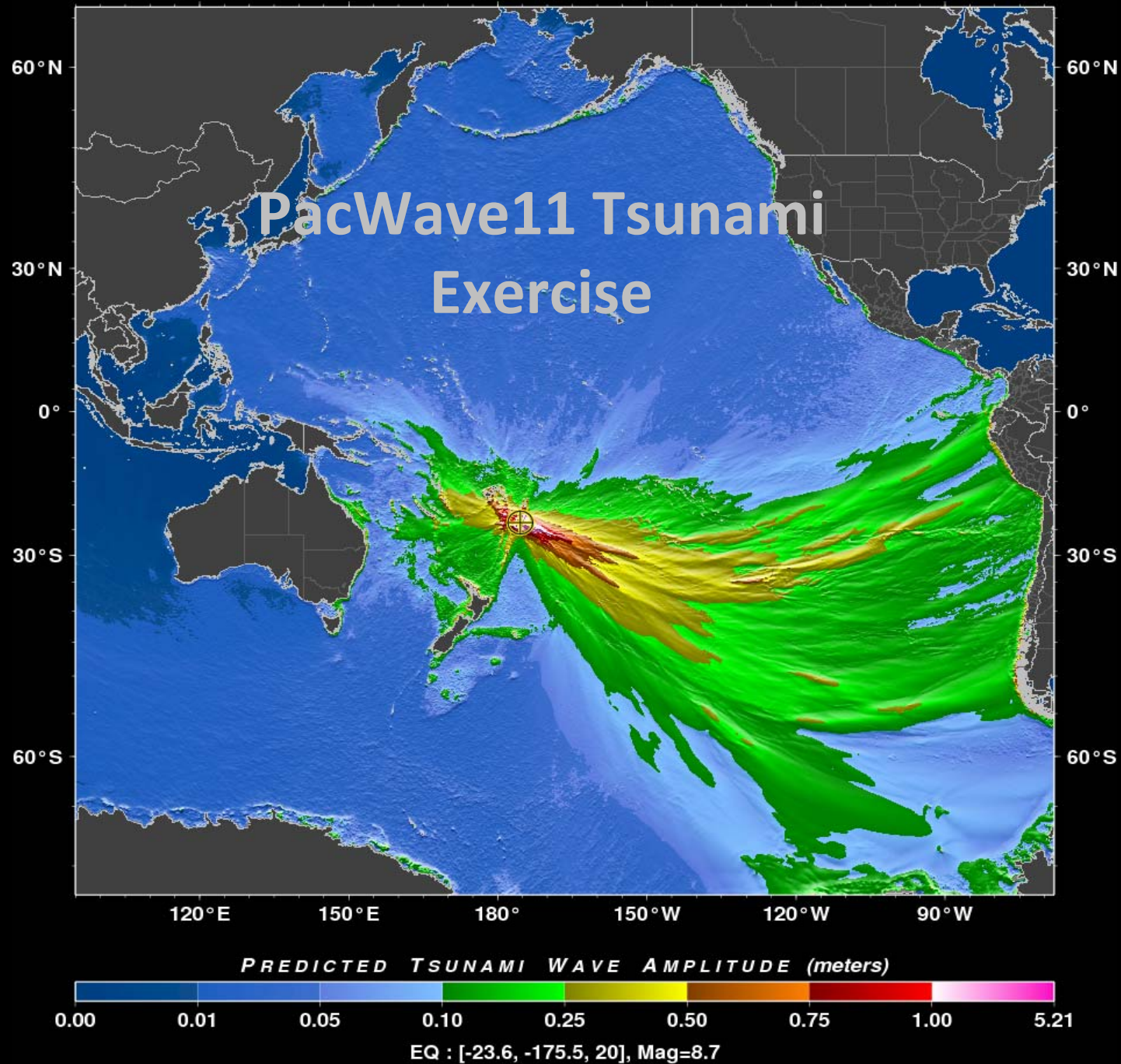


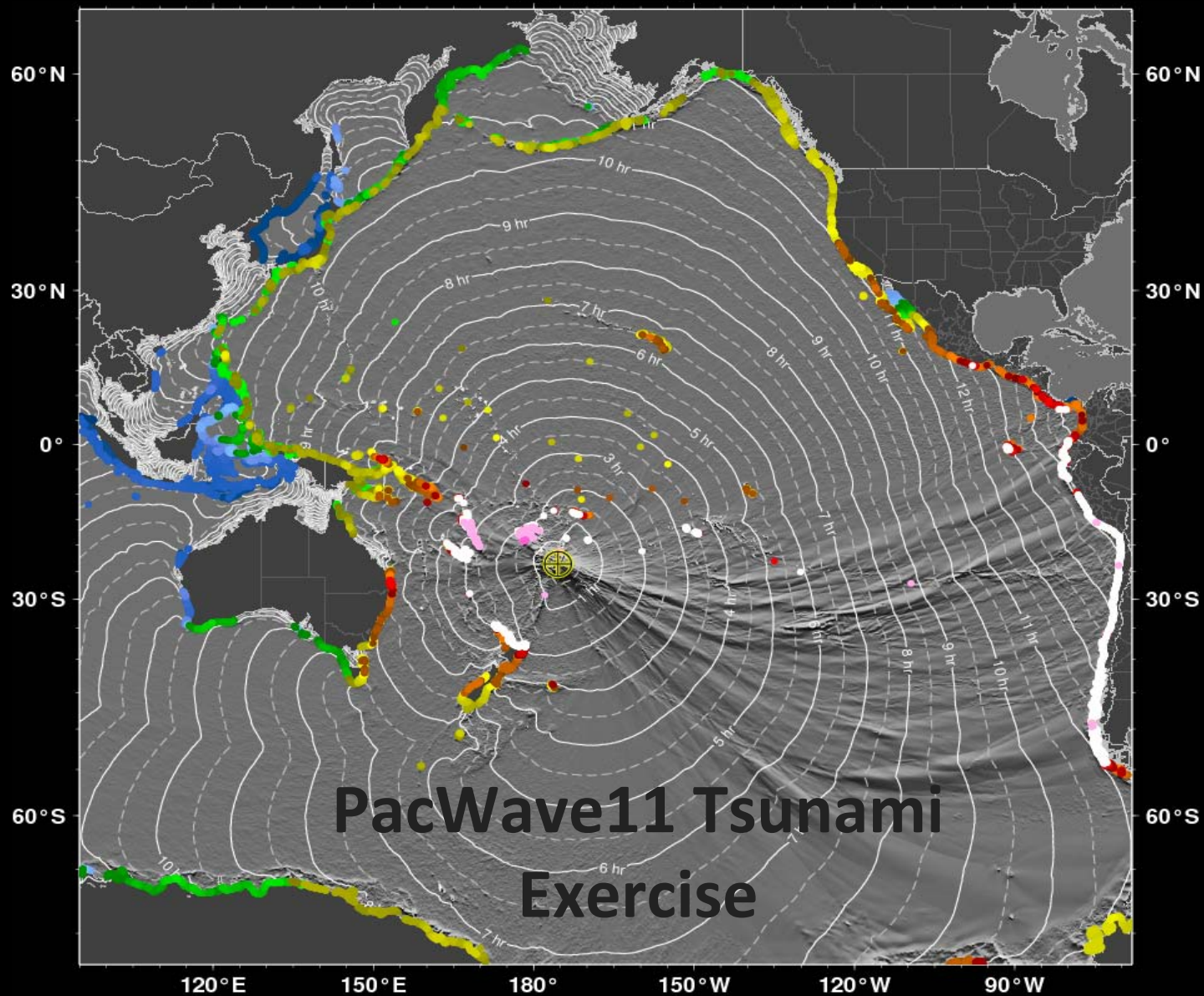
Earthquake: 11/09/2011 2100 UTC 23.6°S 175.5°W h=20km Mw=8.4

PRODUCT #02

**would be issued at 2145 UTC,
45 minutes after the earthquake, and
includes the following 3 maps as part
of the 2nd product suite.**

Updated Mw=8.7



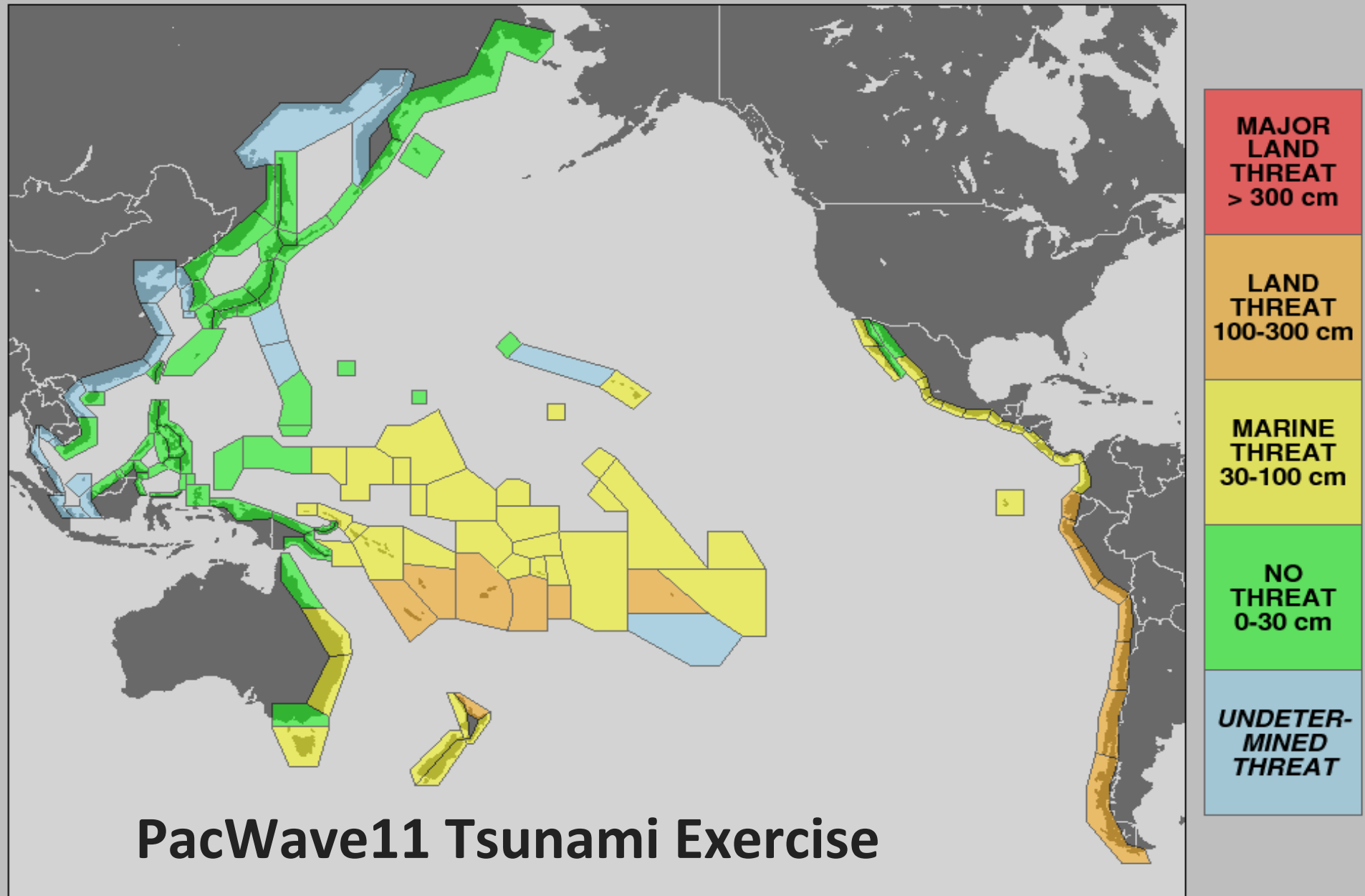


PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [-23.6, -175.5, 20], Mag=8.7

PTWC Tsunami Threat Level Forecast Number 02 - Issued 11/09/2011 at 2145 UTC

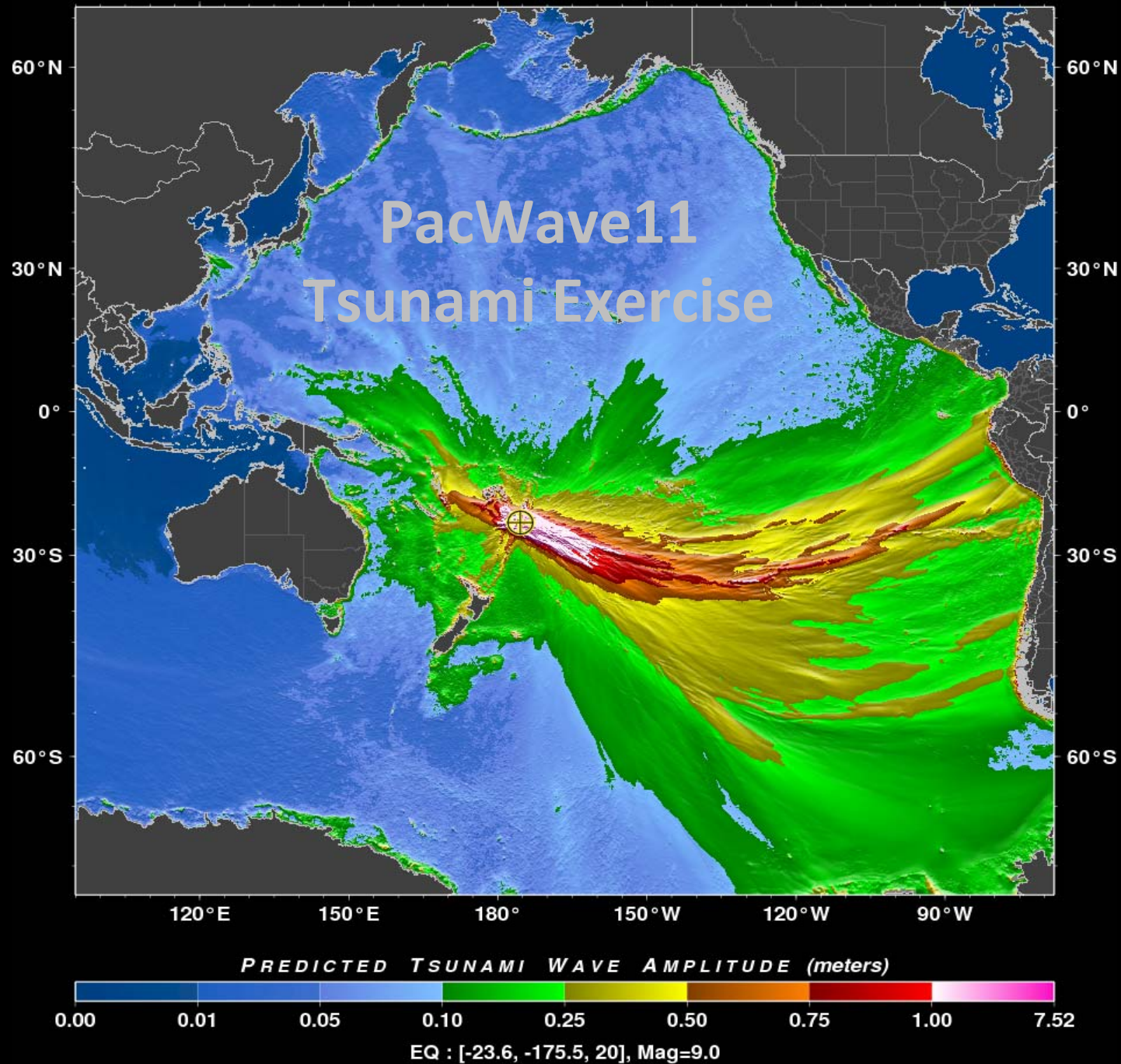


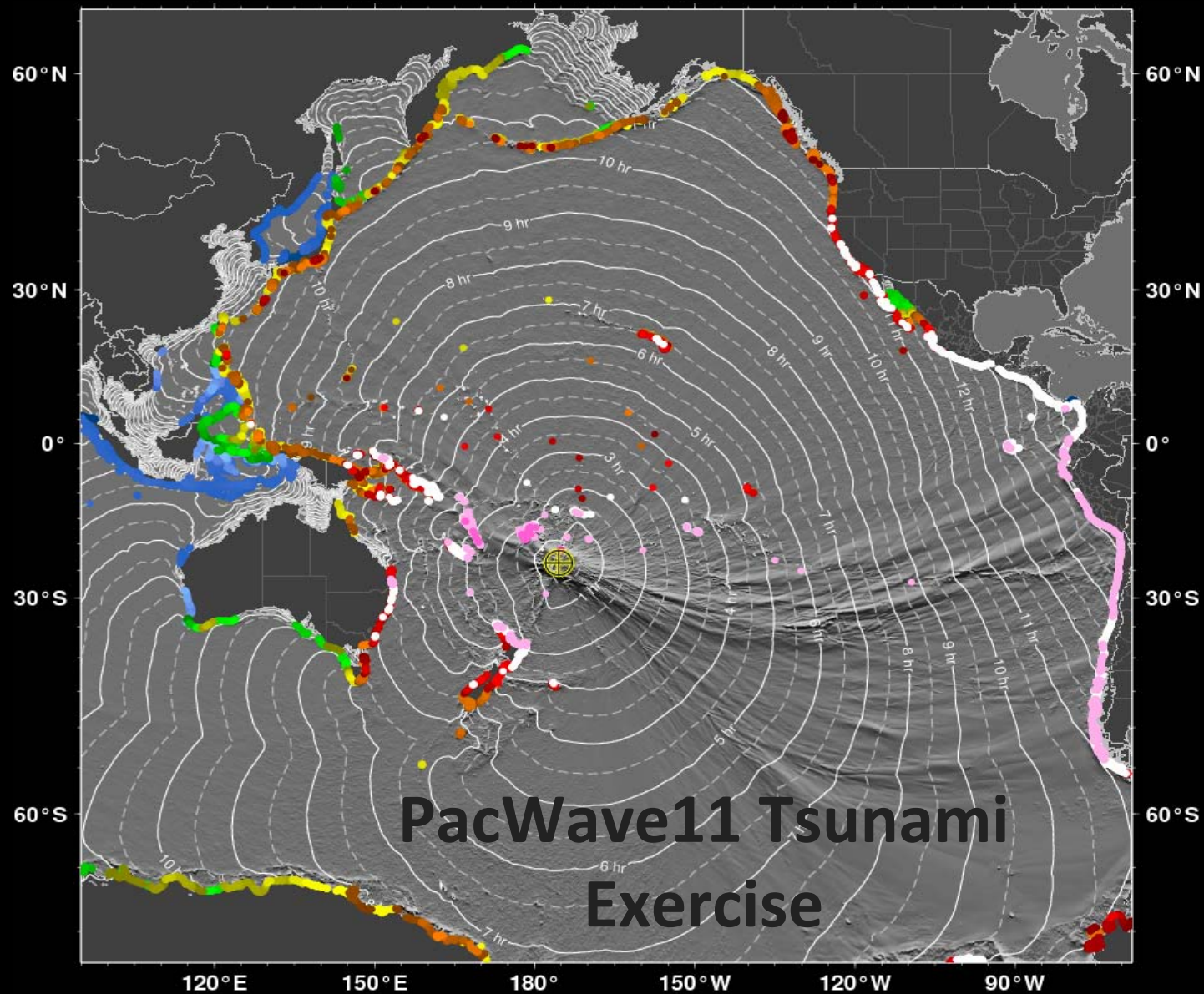
Earthquake: 11/09/2011 2100 UTC 23.6°S 175.5°W h=20km Mw=8.7

PRODUCT #03
would be issued at 2245 UTC,
105 minutes after the earthquake,
and includes the following 3 maps as
part of the 3rd product suite.

Updated Mw=9.0

The maps do not change further for
this scenario.





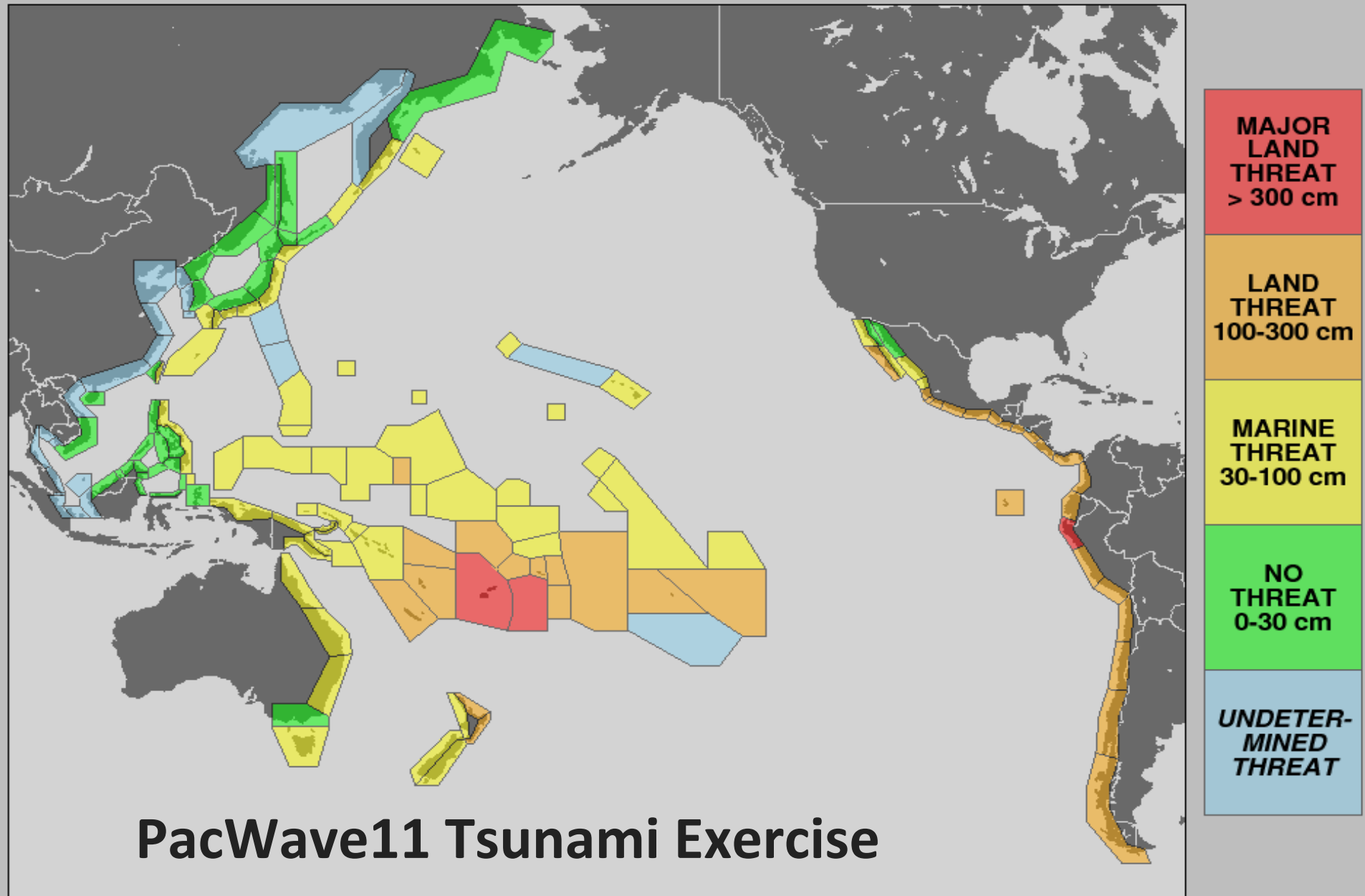
PacWave11 Tsunami Exercise

PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [-23.6, -175.5, 20], Mag=9.0

PTWC Tsunami Threat Level Forecast Number 03 - Issued 11/09/2011 at 2245 UTC



Earthquake: 11/09/2011 2100 UTC 23.6°S 175.5°W h=20km Mw=9.0