

# **PacWave11 Tsunami Exercise**

## **Chile Mw=9 Earthquake and Tsunami Scenario**

### **Draft Experimental Maps**

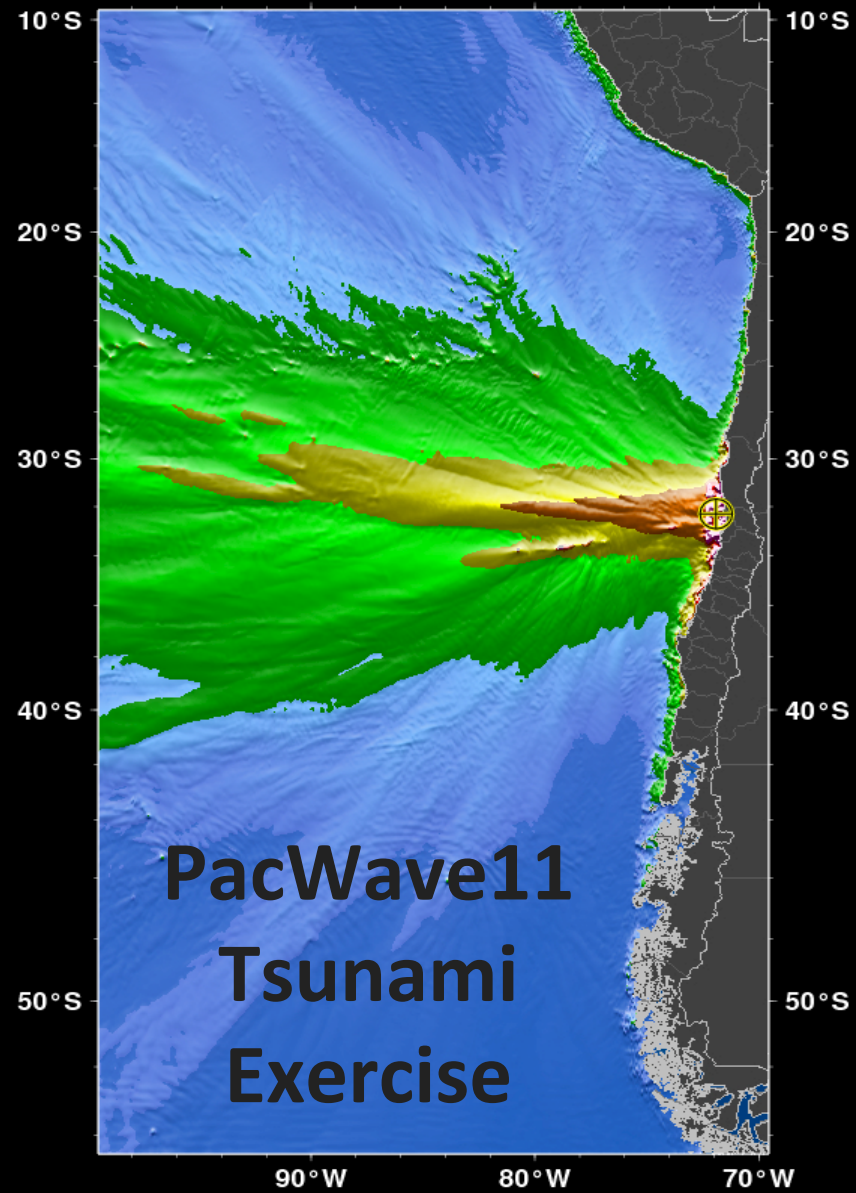
## **PRODUCT #01**

**would be issued at 1308 UTC,  
8 minutes after the earthquake, and  
includes the following 3 maps as part  
of the 1<sup>st</sup> product suite.**

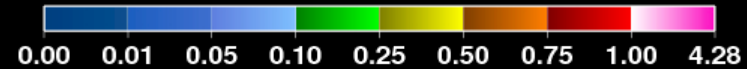
**To provide a fast product,  
the size of the forecast area  
for Product #01 is limited.  
The whole Pacific forecast is in  
Product #02.**

**Initial Preliminary Mw=8.4**

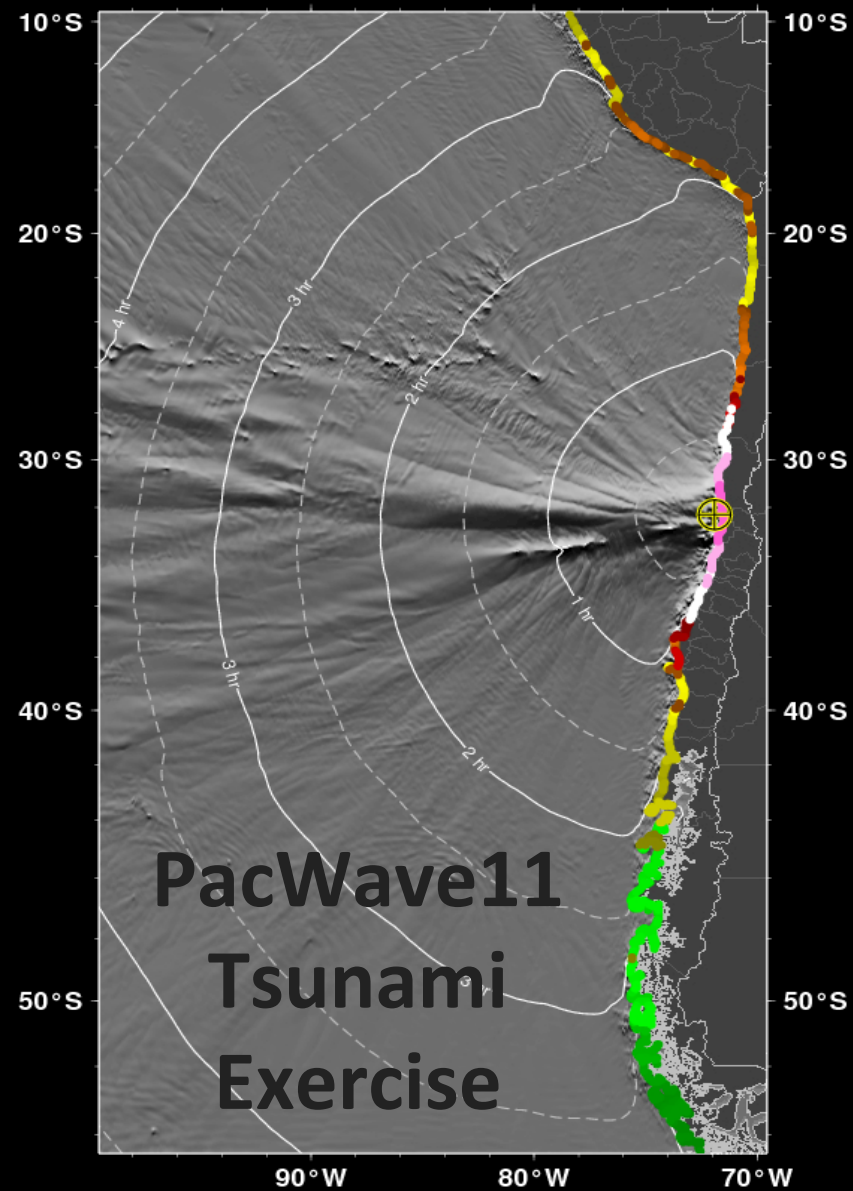
PTWC Deep-Ocean Tsunami Forecast Number 01 – Issued 11/09/2011 1308 UTC



PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [-32.3, -71.9, 20], Mag=8.4

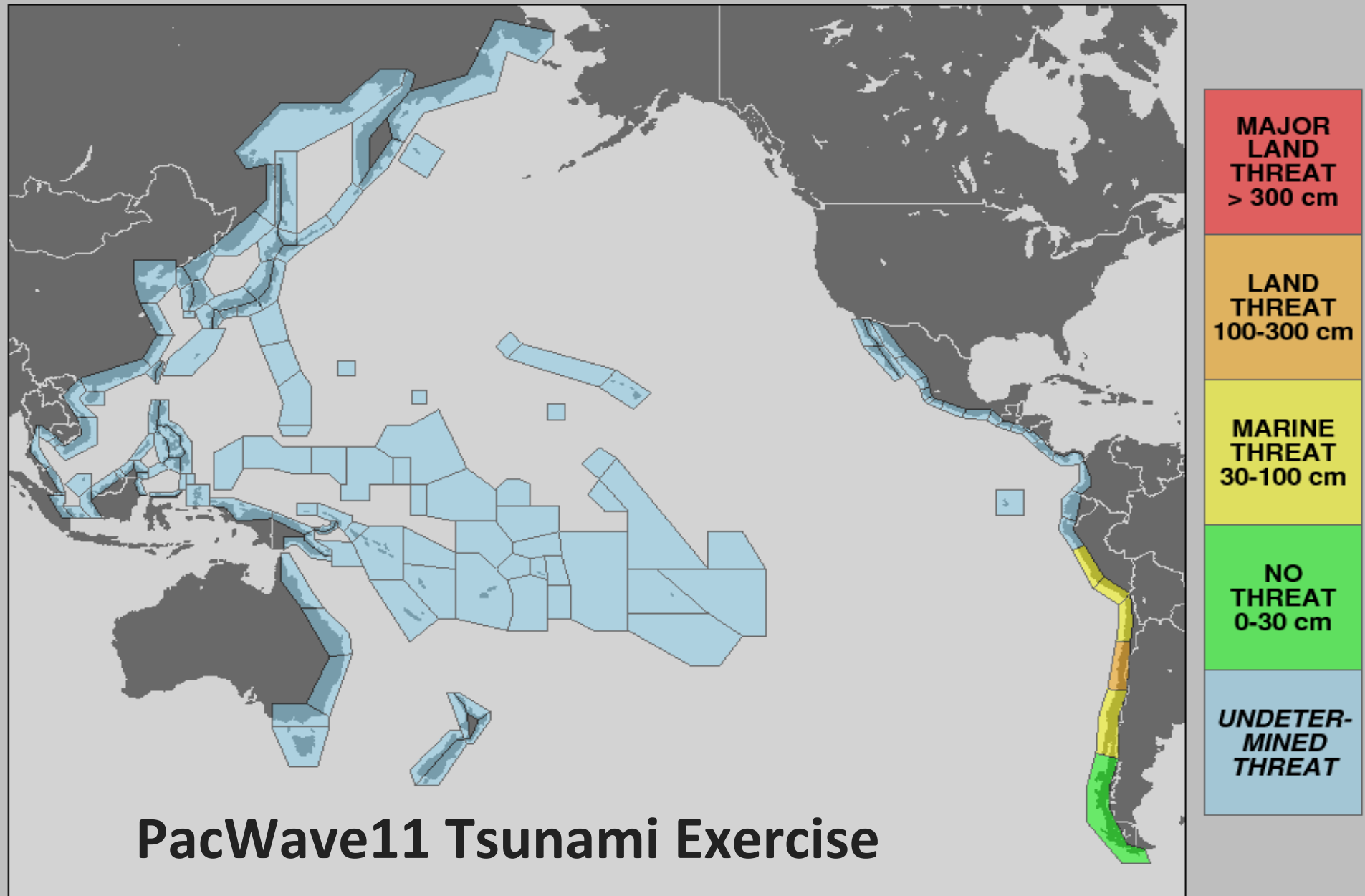


PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [-32.3, -71.9, 20], Mag=8.4

PTWC Tsunami Threat Level Forecast Number 01 - Issued 11/09/2011 at 1308 UTC



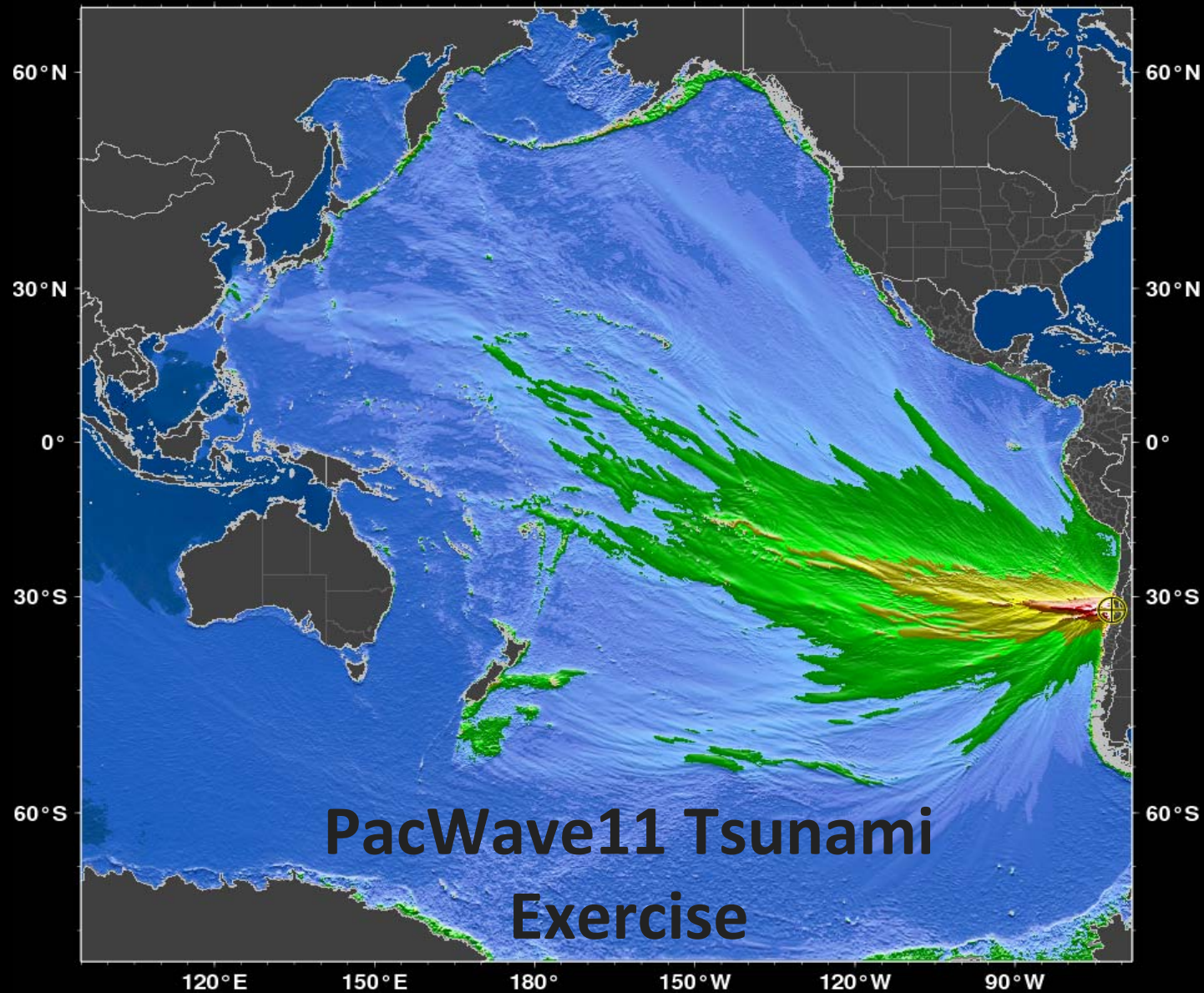
## PacWave11 Tsunami Exercise

Earthquake: 11/09/2011 1300 UTC 32.3°S 71.9°W h=20km Mw=8.4

**PRODUCT #02**  
**would be issued at 1345 UTC,**  
**45 minutes after the earthquake, and**  
**includes the following 3 maps as part**  
**of the 2<sup>nd</sup> product suite.**

**Updated Mw=8.7**

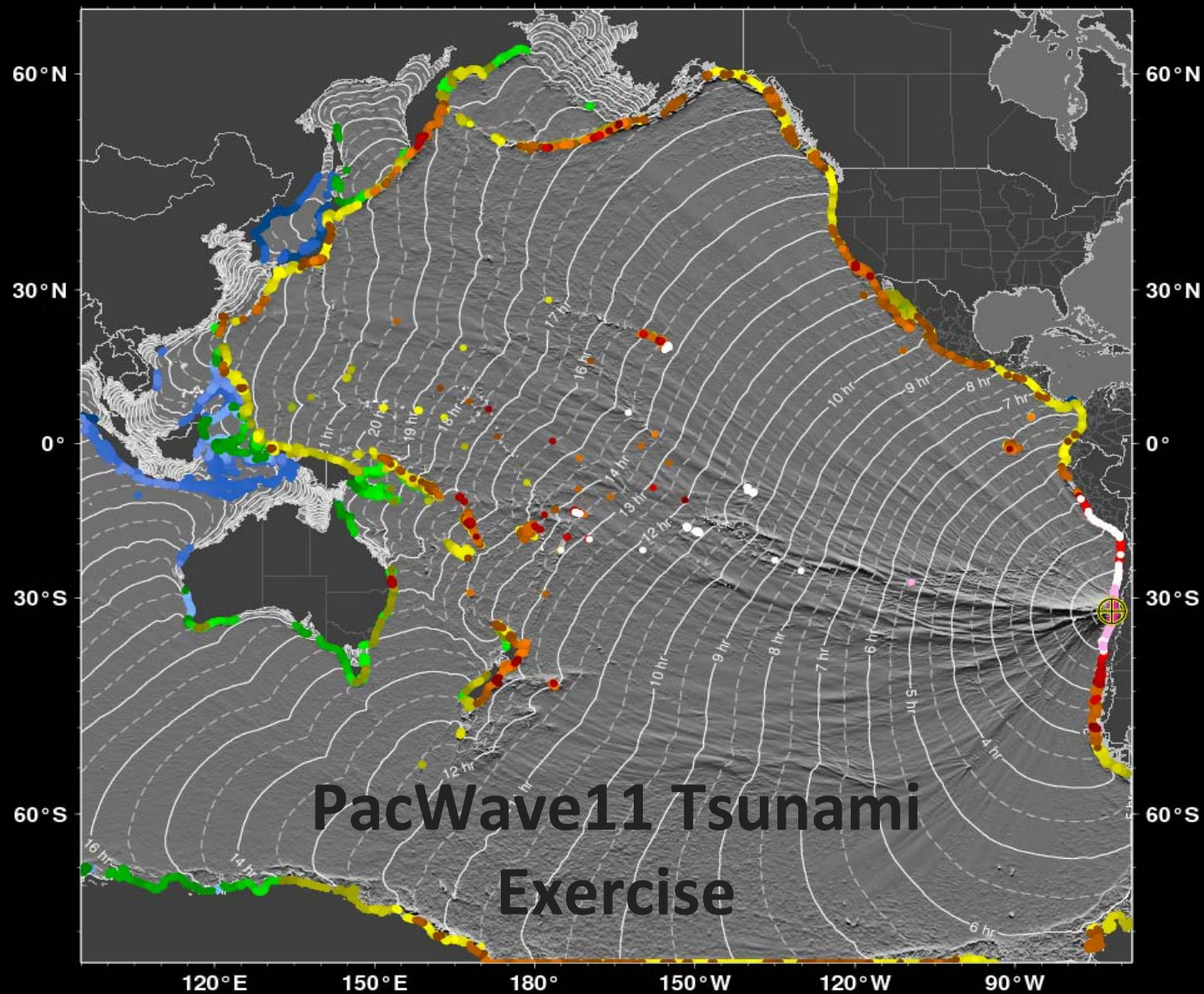




PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [-32.3, -71.9, 20], Mag=8.7



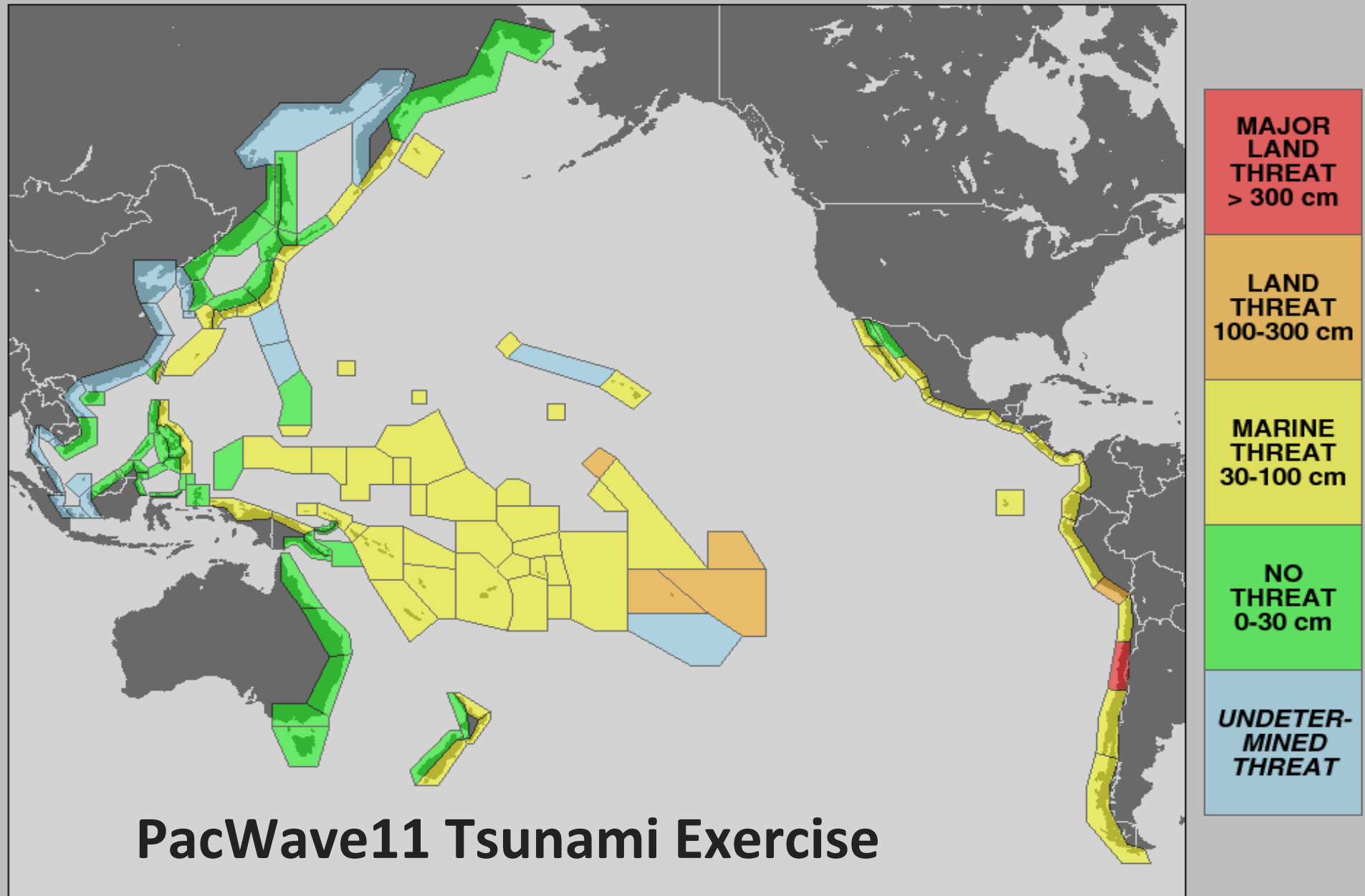
PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [-32.3, -71.9, 20], Mag=8.7



PTWC Tsunami Threat Level Forecast Number 02 - Issued 11/09/2011 at 1345 UTC

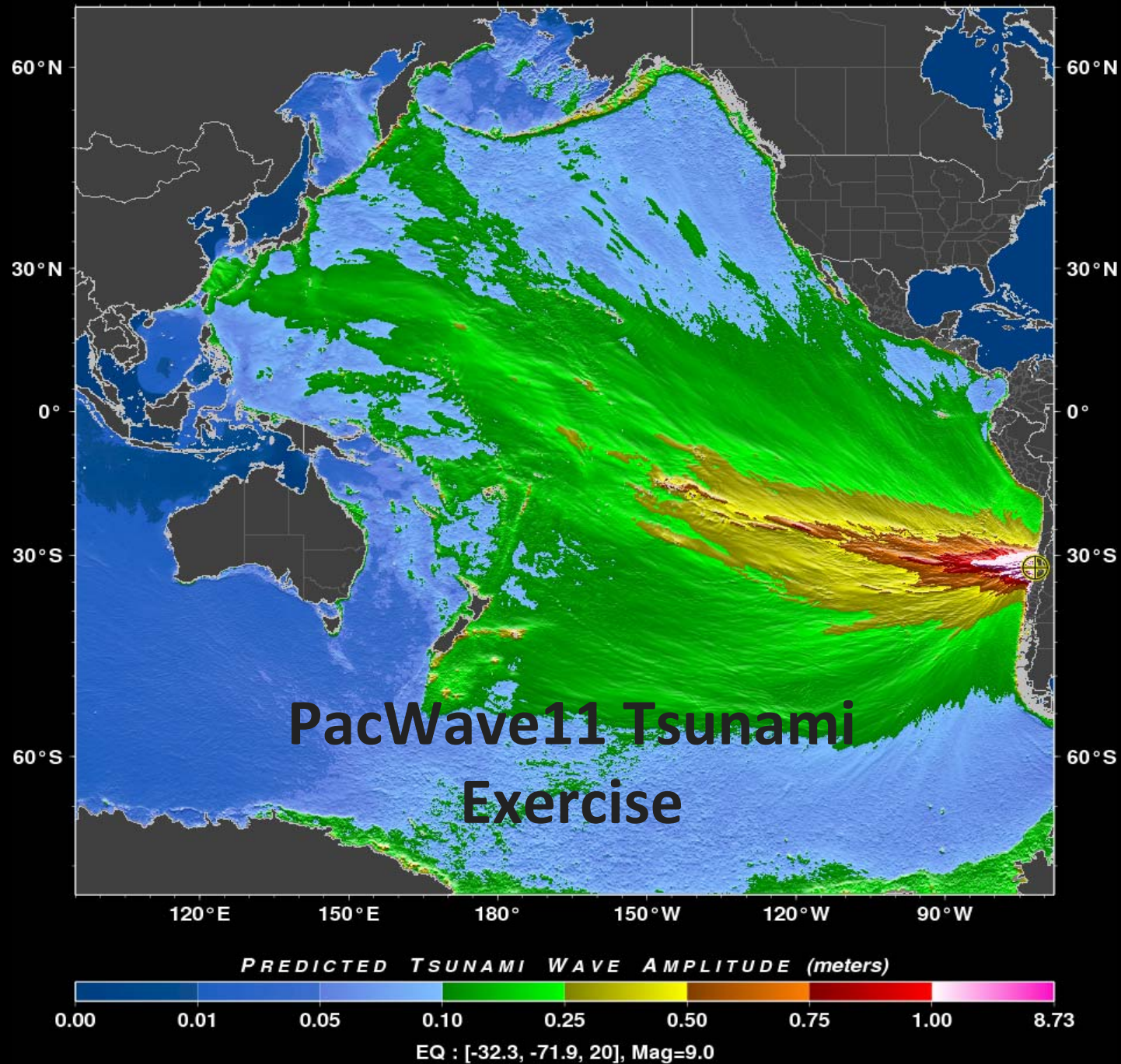


Earthquake: 11/09/2011 1300 UTC 32.3°S 71.9°W h=20km Mw=8.7

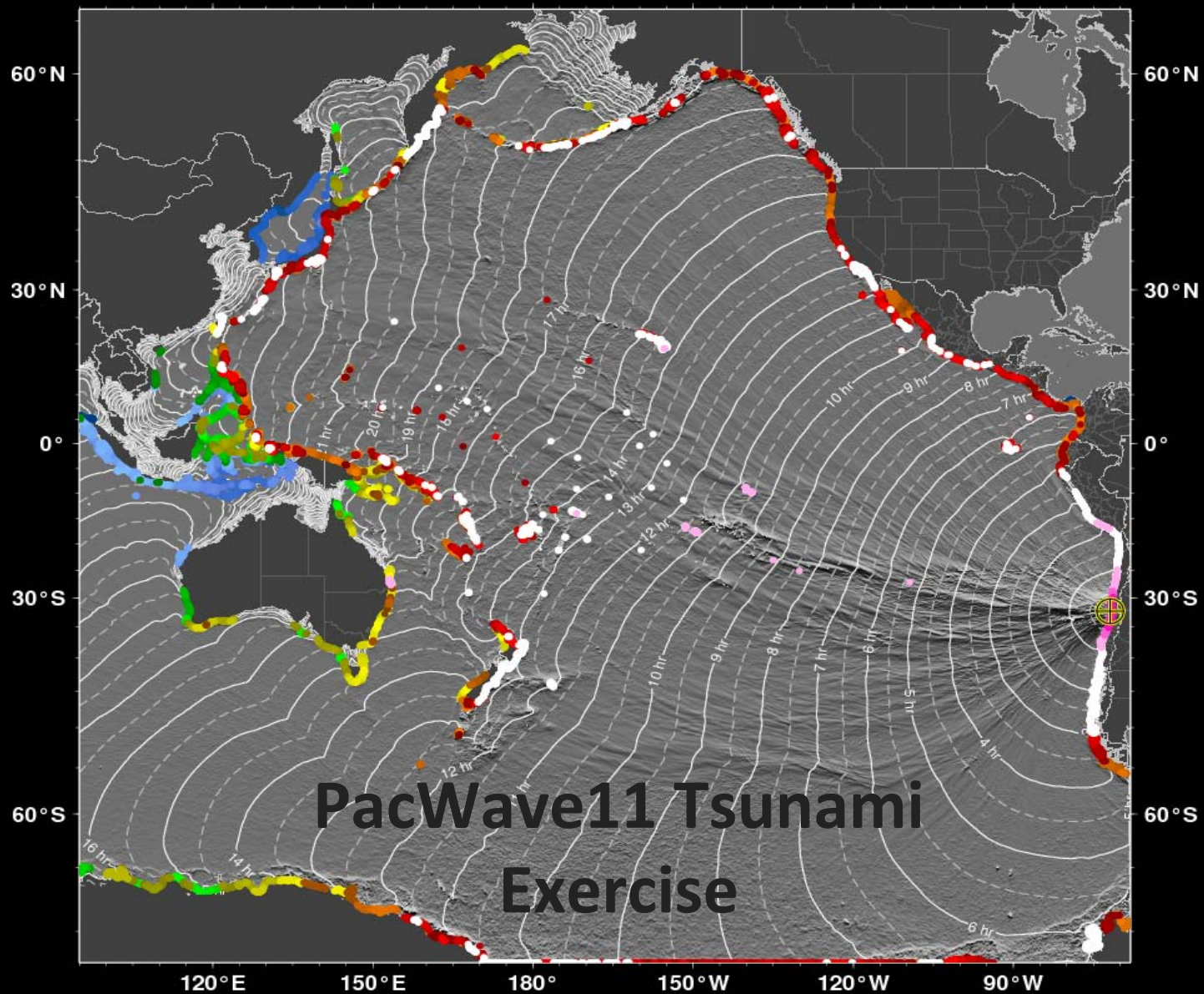
**PRODUCT #03**  
**would be issued at 1445 UTC,**  
**105 minutes after the earthquake,**  
**and includes the following 3 maps as**  
**part of the 3<sup>rd</sup> product suite.**

**Updated Mw=9.0**

**The maps do not change further for**  
**this scenario.**





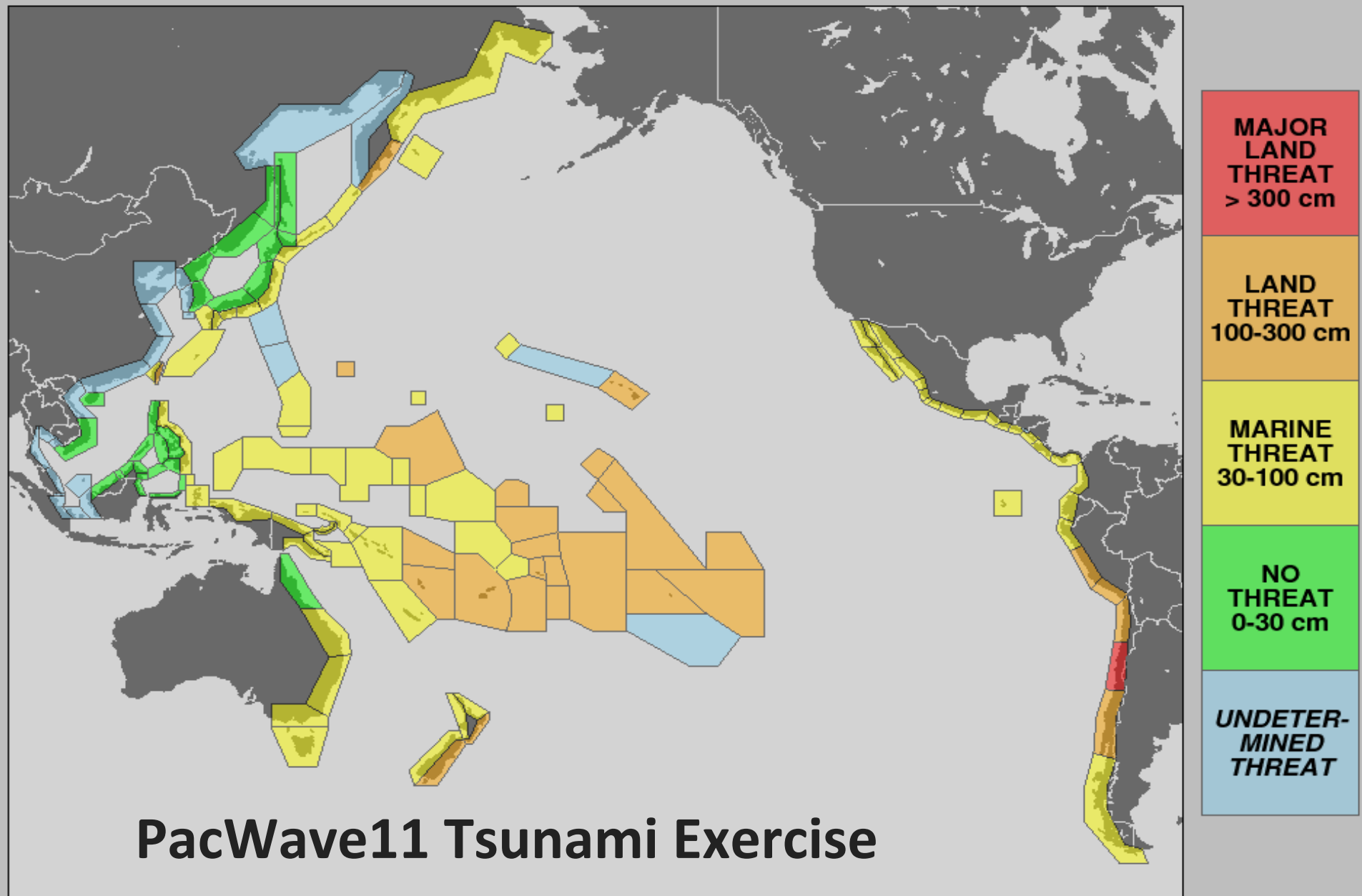


PREDICTED TSUNAMI WAVE AMPLITUDE (meters)



EQ : [-32.3, -71.9, 20], Mag=9.0

PTWC Tsunami Threat Level Forecast Number 03 - Issued 11/09/2011 at 1445 UTC



Earthquake: 11/09/2011 1300 UTC 32.3°S 71.9°W h=20km Mw=9.0