

# FLOOD AFFECTED AREAS ALONG CAGAYAN RIVER, CAGAYAN PROVINCE, PHILIPPINES

Analysis with Alos Palsar data acquired on 6 October 2009

Disaster coverage by the International Charter 'Space and Major Disasters'. For more information on the Charter, which is about assisting the disaster relief organizations with multi-satellite data and information, visit [www.disasterscharter.org](http://www.disasterscharter.org)

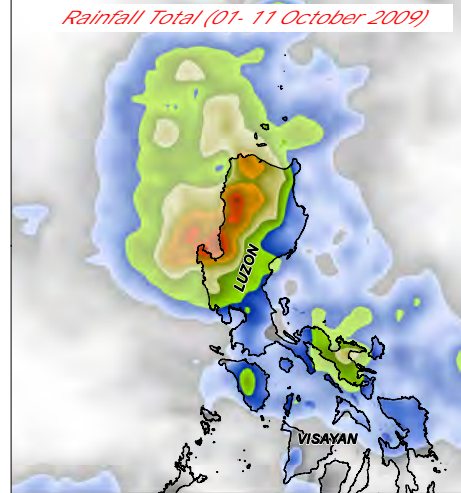
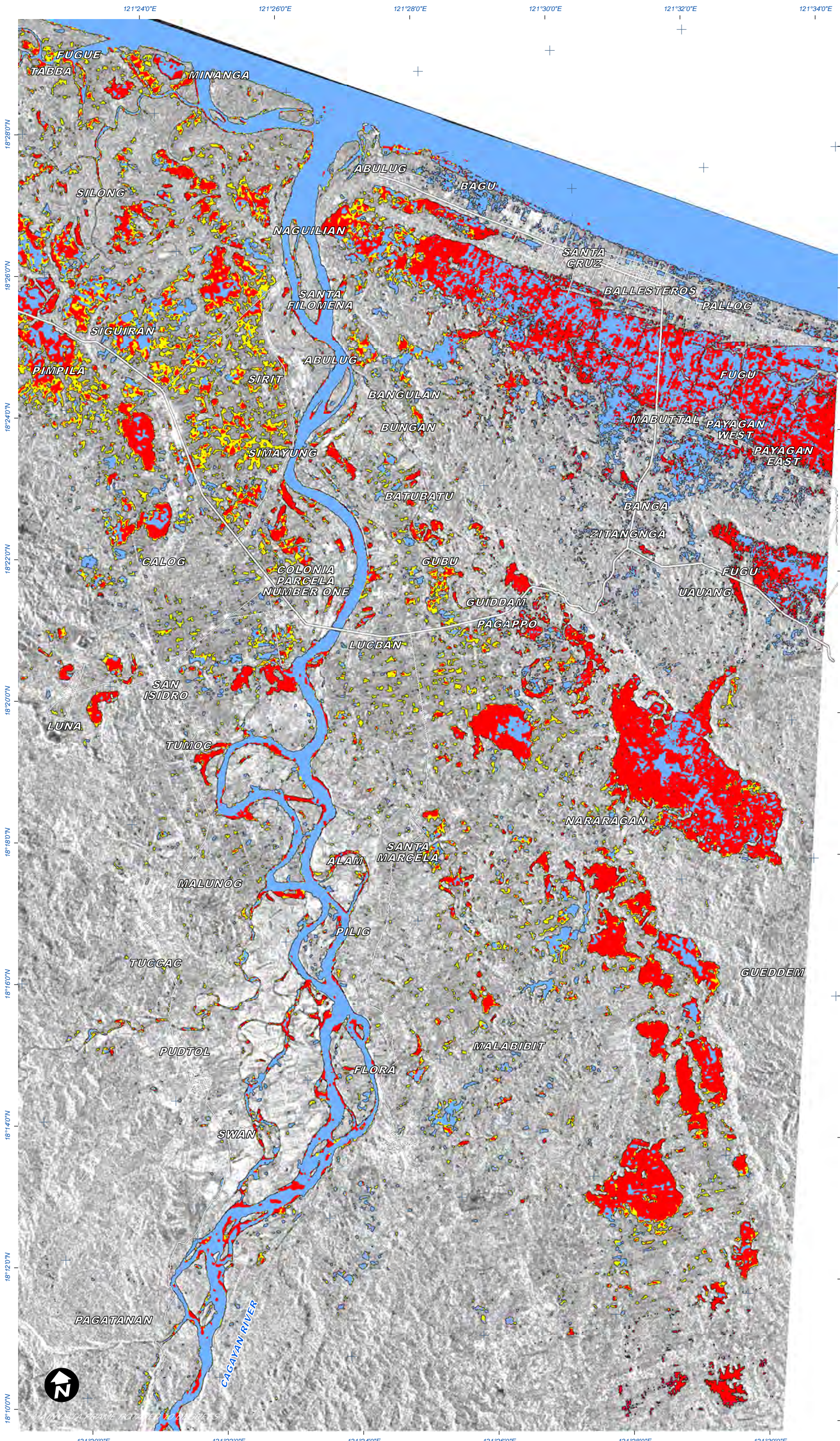


Tropical Cyclone 12 October 2009



Version 1.0

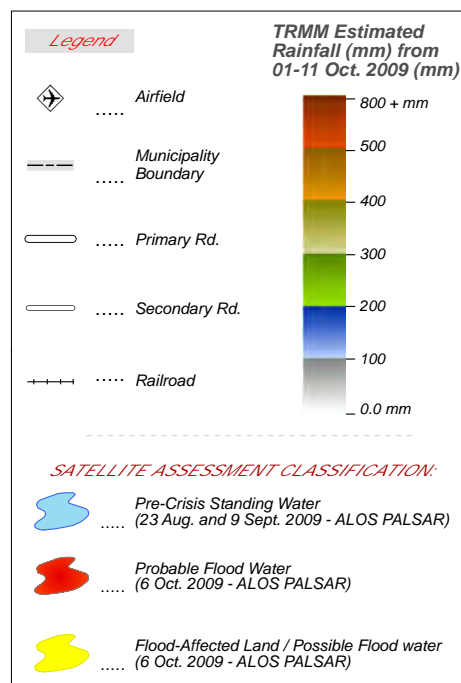
Glide No: TC-2009-000214-PHL



**Legend**

This map illustrates satellite-detected areas likely affected by flood water in Cagayan Province, Philippines, as based on change detection methods using ALOS-PALSAR data acquired over the area on 6 October 2009 and on 9 September and 23 August 2009. The newly released ASTER global elevation model (GDEM) was also used in the flooding analysis. This flood assessment is a preliminary analysis & has not yet been validated in the field.

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners.



**Map Scale for A3: 1:100,000**

0 0.5 1 2 3 4 Kilometers

Satellite Data (1) ..... ALOS-PALSAR  
 Imagery Dates ..... 6 Oct. 2009 / 9 Sept. / 23 Aug.  
 Resolution ..... 12.5 m  
 Copyright ..... JAXA (2009)  
 Elevation Data ..... ASTER GDEM  
 Resolution ..... 27m  
 Source ..... METI & NASA 2009  
 Rainfall Data ..... TRMM (NASA)  
 Road Data ..... Google Map Maker 2009  
 Other Data ..... OSM, ESRI, USGS, NGA  
 Flood Analysis ..... UNITAR / UNOSAT  
 Map Production ..... UNITAR / UNOSAT  
 Projection ..... UTM Zone 51 North  
 Datum ..... WGS-84

Map Data © 2009 Google - Improve with Google Map Maker

