

Overview of Flood Waters in Phichit and Nakhon Sawan Province, Thailand

Flood Analysis with PALSAR Satellite Imagery Recorded on 30 October 2010

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

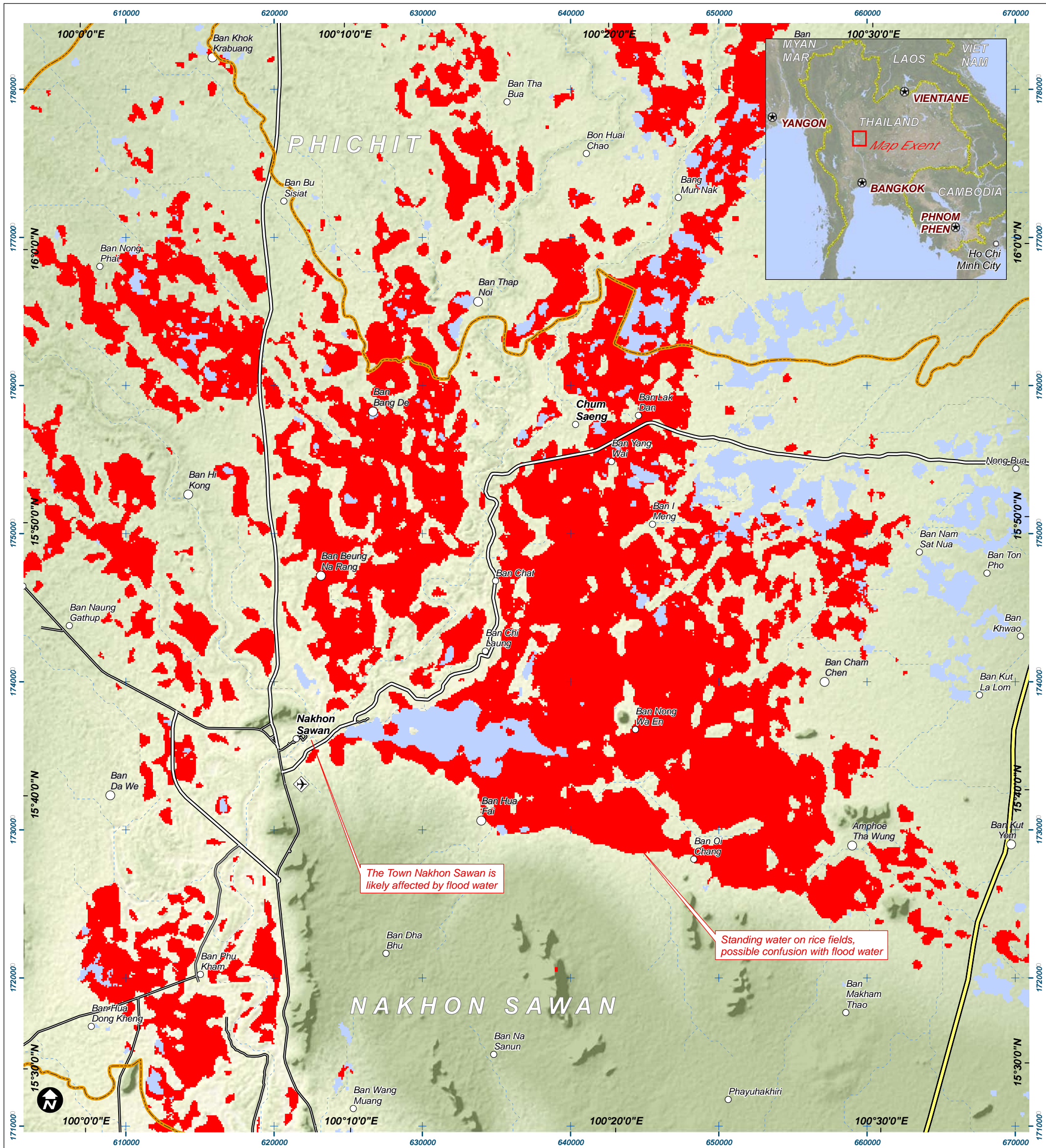


Heavy rainfall & Flooding 3 November 2010

Version 1.0



Glide No: FF-2010-000207-THA



The Town Nakhon Sawan is likely affected by flood water

Standing water on rice fields, possible confusion with flood water

Legend

- Town / City
- Village / Settlement
- ✈ Airport / Airfield
- Province Border
- - - Drainage Line
- Primary Road
- Secondary Road
- Tertiary Road

SATELLITE ASSESSMENT CLASSIFICATION:

- Probable Flood Waters or flood affected rice fields as on 30 October 2010
- Permanent Water Bodies

This map presents the potential flood affected lands around Pak Nam Pho, Nakhon Sawan Province and Chao Phraya river in Thailand. There is possibility of floods extending inside Pak Nam Pho town in the near future. PALSAR imagery was acquired on 30 October 2010 and has a resolution of 100m. Due to the extensive presence of rice fields over the observed area, the analysis has a high level of uncertainty. Detected water bodies likely reflect an overestimation of all flood-affected areas within the map extent, because of the used L-band SAR sensor. This analysis has not yet been validated in the field. Please send ground feedback to UNITAR / UNOSAT.

Map Scale for A3: 1:250,000



Crisis Satellite Data	ALOS PALSAR
Resolution	100 meters
Image Date	30 October 2010
Source	© JAXA METI
Pre-Crisis Satellite Data	ALOS PALSAR
Resolution	100 meters
Image Date	13 August 2009
Source	© JAXA METI
Elevation Data	Aster GDEM
Source	METI & NASA 2009
GIS Data	NGA, OCHA
Hydrology Data	USGS HydroSheds/ESRI
Road Data	Open Street Map (OSM)
Airfield Data	NGA
Place names	Vmap0, OCHA
Flood Analysis	UNITAR / UNOSAT
Map Production	UNITAR / UNOSAT
Projection	UTM Zone 47N
Datum	WGS-84

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.

UNITAR
United Nations Institute for Training and Research

UNOSAT

Contact Information: unosat@unitar.org 24/7
Hotline: +41 76 487 4998
www.unosat.org