

FLOOD WATERS NEAR CITY OF YANGON, MYANMAR

Analysis with Radarsat-2 Satellite Data Acquired 9 August 2015 and Sentinel-1 Satellite Data Acquired 11 May 2015

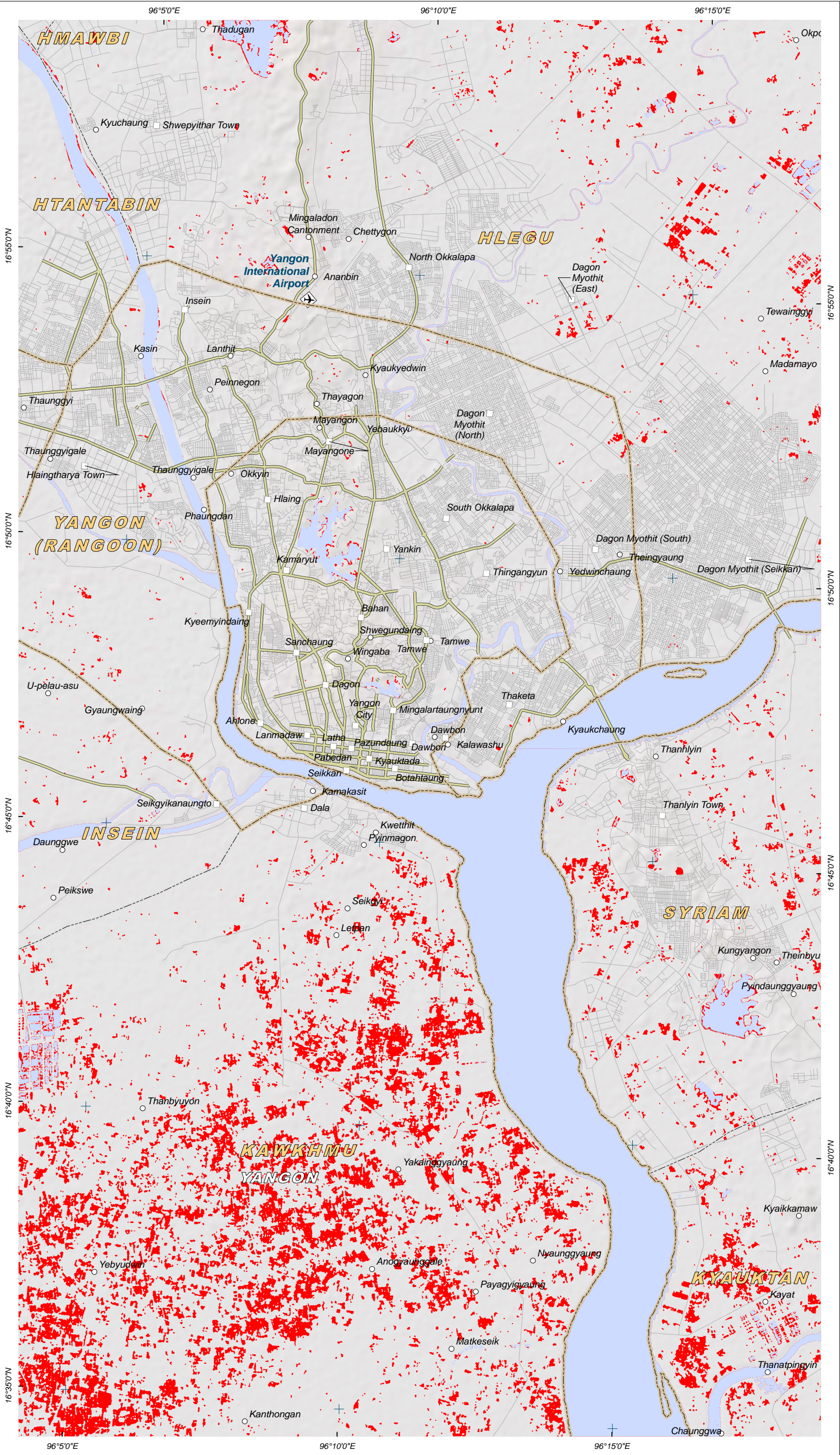
Flooding



Production Date:
8/10/2015

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This map illustrates satellite-detected flood waters south of Myanmar's largest city, Yangon, as imaged by the Radarsat-2 satellite on 9 August 2015. Most of the flood affected lands are agricultural fields in the Yangon river delta. There is no significant overflowing of waters along the river bank. In the area analyzed, ~45,000 hectares of land has been identified as flood affected/inundated land as of 9 August 2015. It is likely that flood waters have been systematically underestimated along highly vegetated areas near the main river banks, and within built-up urban areas because of the special characteristics of the satellite data used. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

LEGEND

- City/Town
- Populated Place
- Airport
- Highway/Primary Rd.
- Secondary Road
- State Boundary
- Township Boundary

FLOOD WATER EXTENT ANALYSIS (Satellite-Based Classification)

Probable Standing Flood Waters:
[Radarsat 2 - 9 August 2015]

Pre-Crisis Water Extent
[Sentinel-1 - 11 May 2015]

Map Scale for A3: 1:125,000
0 1 2 3 4 Km

Satellite Data (1): Radarsat 2
Imagery Dates: 9 August 2015
Resolution: 12.5m
Copyright: MacDonald, Dewitter and Associates, Ltd.
Source: MDA Satellite
Satellite Data (2): Sentinel-1
Imagery Dates: 11 May 2015
Resolution: 10 m
Copyright: Copernicus 2014 / ESA
Source: Sentinel-1 Scientific Data Hub
Road Data : OpenStreetMap
Other Data: USGS, UNCS, NASA, NGA
Analysis : UNITAR / UNOSAT
Production: UNITAR / UNOSAT
Analysis conducted with ArcGIS v10.3

Coordinate System: WGS 1984 UTM Zone 46N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

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