

FLOOD WATERS OVER SOUTH SAGAING STATE, MYANMAR

Analysis with RadarSAT-2 Satellite Data Acquired 6 August 2015 and Sentinel-1 Data Acquired 20 March 2015

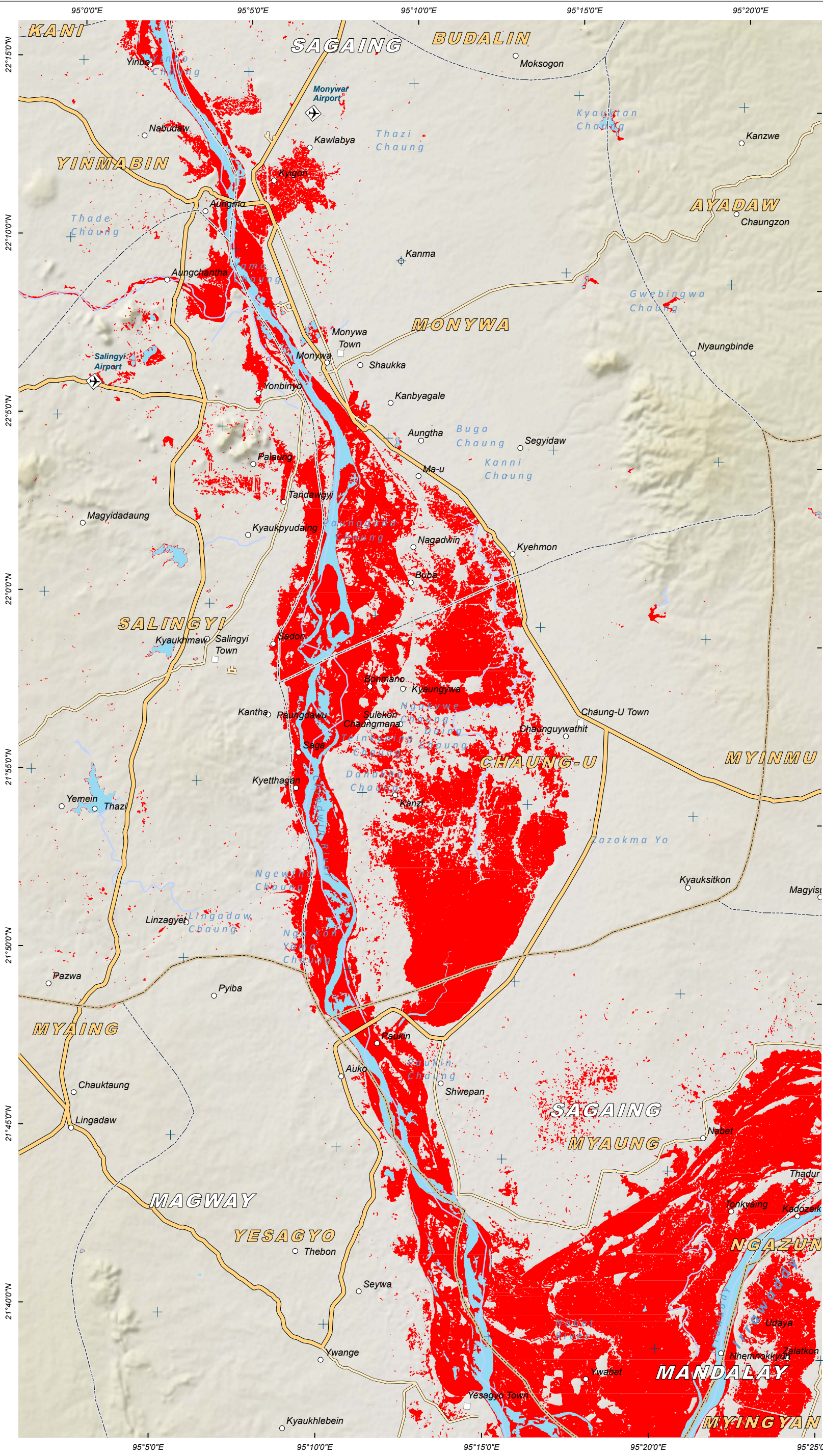
Flooding



Production Date: 12/08/2015

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Glide Number: FL-2015-000089-MMR



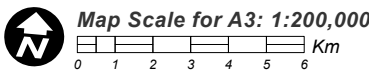
This map illustrates satellite-detected flood waters in the Southern region of Sagaing State in the areas of Monywa, Chaung-U and Myaung townships of Myanmar as imaged by the Radarsat-2 satellite on 6 August 2015. Waters along the Chindwin River have expanded and inundated lands on either sides of the river bank. Floods affected lands increase in the area where Chindwin River flows into Ayeyarwady River. Total surface covered with water in the analysed area has increased from a pre-flood level of 1% to 5% during the flood period, and as of 6 August 2015 a total of ~85,000 ha of lands were affected. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

LEGEND

- City/Town
- Village
- Airport
- Highway/Primary Road
- Secondary Road
- State Boundary
- Township Boundary

FLOOD WATER EXTENT ANALYSIS (Satellite-Based Classification)

- Probable Standing Flood Waters: [RadarSat-2 - 6 August 2015]
- Pre-Crisis Water Extent [Sentinel-1 - 20 March]



Satellite Data (1): RadarSat-2
Imagery Dates: 6 August 2015
Resolution: 6.25 m
Copyright: MacDonald, Dewitter and Associates, Ltd.
Source: MDA Satellite
Satellite Data (2): Sentinel-1
Imagery Dates: 20 March 2015
Resolution: 10 m
Copyright: Copernicus 2014 / ESA
Source: Sentinel-1 Scientific Data Hub
Road Data : OpenStreetMap
Other Data: USGS, UNCS, NASA, NGA, MIMU, COD
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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