MYANMAR
Mandalay, Sagaing Region and Kachin State
Imagery analysis: 3 August 2020 | Published 6 August 2020 | Version 1.0

Satellite detected water extent as of 3 August 2020 in central part of Myanmar

This map illustrates satellite-detected surface waters over Mandalay, Sagaing Region and Kachin State of Myanmar as observed from a Sentinel-1 image acquired on 3 Aug 2020 due to the current monsoon rains. Within the analyzed area of about 56,500 km², a total of about 1,000 km² of lands appear to be flooded. Based on WorldPop population data and the detected surface waters, about 665,200 people are potentially exposed or living close to flooded areas. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Important Note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering.

Legend
- City / Town
- Airport
- Road
- Division boundary
- District boundary
- Reference water
- Analysis Extent
- Satellite detected water [3 August 2020]
- Satellite detected water [24 July 2020]

Satellite Data: Sentinel-1
Imagery Dates (1): 3 August 2020
Imagery Dates (2): 24 July 2020
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel data [2020]
Source: ESA

Analysis conducted with ArcGIS v10.7
Coordinate System: WGS 1984 UTM Zone 47N
Projection: Transverse Mercator
Datum: WGS 1984
Unit: Meter

Map Scale for A3: 1,900,000

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