FLOOD WATERS OVER CHENNAI AREA, TAMIL NADU STATE, INDIA

Analysis with Sentinel-1 Satellite Data Acquired 12 November 2015 and 01 September 2015 and Landsat-8 Acquired 14 October 2015

This map illustrates satellite-detected waters and probable flood waters in the Chennai area of the Tamil Nadu State in India. Using satellite imagery acquired 12 November 2015, 01 September 2015, and 14 October 2015, UNITAR-UNOSAT identified expansion of wetlands and standing waters in the area of Chennai and also some saturated soils areas which are mainly agricultural fields. Saturation in the area increased between 14 October 2015 and 12 November 2015, and the total water expansion is estimated to be about 26%. This analysis has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Satellite Data (1): Sentinel-1
Satellite Data (2): Sentinel-1
Satellite Data (3): Landsat-8
Imagery Date (1): 12 November 2015
Imagery Date (2): 01 September 2015
Imagery Date (3): 14 October 2015
Resolution: 10 m
Copyright: ESA
Source: ESA

Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT
Analysis conducted with ArcGIS v10.3
Coordinate System: WGS 1984 UTM Zone 44N
Datum: WGS 1984
Projection: Transverse Mercator
Version 1.0
Production Date: 26/11/2015
Glide Number: FL20151123IND

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