Satellite Detected Waters (08 March 2017) in Maroantsetra area, Analanjirofo region, Madagascar

This map illustrates satellite-detected flood waters over Maroantsetra area, Analanjirofo region in Madagascar as observed from the TerraSAR-X radar image acquired on 08 March 2017 compared with Radarsat-2 image acquired on 04 May 2014. Several zones seem to be inundated and have experienced an increase of standing waters. These zones are mainly agricultural and/or swamps around the town of Maroantsetra. These waters seem to be the results of the recent heavy rain related also to the cyclone ENAWO-17 which made landfall the 07 March 2017. It is likely that flood waters have been systematically underestimated along highly vegetated areas along 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

- Village
- City/Town
- Highway/Primary road
- Secondary road
- Local/Urban road
- River
- Region boundary
- District boundary
- Commune boundary
- Satellite detected waters: 04 May 2014
- Satellite detected waters: 08 March 2017

Map Scale for A3: 1:125,000

Analysis conducted with ArcGIS v10.4.1
Coordinate System: WGS 1984 UTM Zone 39S
Projects: Transverse Mercator
Datum: WGS 1984
Units: Meter

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Source: DLR
Copyright: MacDonald, Dewitte and Associates, Ltd. (2017)
Source: CSA
Baseline Data: HDX, OCHA & WFP, OpenStreetMap
Analysis: UNITAR-UNOSAT
Production: UNITAR-UNOSAT

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