Flood Inundated Areas in part of Assam State
Based on the analysis of Sentinel 1B SAR satellite data of 24-Jul-2020

About the Event
Flooding were reported in Assam due to heavy incessant rains in parts of Assam state during the second week of Jul. 2020. About 33 districts were reported to be affected. According to Central Water Commission (CWC) report, River Brahmaputra and its tributaries were flowing in severe flood situation in upper districts of Assam state and River Brahmaputra at Neamat, Chat River Buthi Dring at Manipur, Dharali at Numaligarh, Jahnahari at NT Road crossing were flowing in severe flood situation.
(Source: CWC, newsmedia)

Satellite Observations
This map highlights the flood inundation in 10 districts of Assam State as on 24 Jul 2020 (1600 Hrs IST)

Satellite data used
Pre Flood:
Satellite: Resourcesat-2
Sensor: AWIFS
Date of Pass: 07-Feb-2020

Post Flood:
Satellite: Sentinel 1B
Sensor: SAR
Date: 24-07-2020

Other data used
NRC Landuse/Landcover Data
Background data -- Shaded Relief

Legend
- Airport
- Settlement
- Water bodies
- Flooded areas
- Road network
- Area Covered by Satellite
- River Bank
- Normal river / water bodies
- DRC River Gauge: Normal Flood Situation
- DRC River Gauge: Severe Flood Situation

This product is prepared on rapid mapping mode for immediate use and sharing amongst official agencies. This provides preliminary results.

Flood inundation may include rain water accumulation / flood water in low lying areas.

All geographic information has limitations due to the scale, resolution, date and interpretation of the original source materials.

No ground verification is done.

This product is prepared using Sentinel 1B, SAR Satellite images received under International Charter Call ID-752

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