FLOOD WATERS SURROUNDING CHATAPUR TOWN, SUPAUL DISTRICT, BIHAR STATE

FLOOD ANALYSIS WITH IRS (L-4) (FROM 24 AUGUST 2008) & ENVISAT-ASAR (FROM 31 AUGUST 2008)

Detailed IRS Flood Map (1) on 24 August 2008

A total of 108 villages/building cluster sites identified in this map extent, including the Talai BG town of Chatapur, Supaul District, Bihar State area affected as evidenced by IRS-L-4 satellite imagery recorded on 24 August 2008. Additional flood mapping from ENVISAT-ASAR SAR data recorded on 31 August 2008 confirms that the area remains severely flooded.

Map Information
This map illustrates satellite detected flood waters depicted in light blue surrounding the Talai BG town of Chatapur, Supaul District, Bihar State area affected as evidenced by IRS-L-4 satellite imagery recorded on 24 August 2008, and a time series of ENVISAT-ASAR SAR data recorded on 31 August 2008. The detection of flood water is predicated on a physically based algorithm for mapping flood extent. The depiction of boundaries, geographic names and related data shown here are not intended to be comprehensive or to imply official endorsement or approval. This product was produced by the United Nations Institute for Training and Research (UNU - INSTI) for the Hunger Task Force-UNOSAT Applications Programme (UNOSAT). UNOSAT provides satellite imagery and related geographic information to UN humanitarian and development agencies and their implementing partners.

Map Scale for A3: 1:24,000
1 centimeter equals 240 meters

Detailed IRS Flood Map (1)
Vegetation Cover
Flooded Village
Road & bridge missing
Standing Flood Waters

ENVISAT-ASAR Flood Map Overview (2)
Flood Waters on 31 August 2008
Flood Waters on 27 July 2008
(Before Retaining Wall Breach)
Pre-Flood Waters on 22 June 2008

ENVISAT-ASAR Flood Map Overview (2)

Map Scale for A3: 1:24,000
1 centimeter equals 240 meters

Satellite Data (1) — IRS (L-4 Sensor)
Resolution — 5 m
Date Subset — 24 Aug. 2008
Copyright — ISRO (2008)

Satellite Data (2) — ENVISAT-ASAR IMM
Resolution — 150 m
Date Subset — 22 June, 27 July & 31 Aug. 2008
Copyright — ESA (2008)

Road Analysis — UNOSAT & ESA-PARITECH
Road-Village Data — Google Earth
Other GIS Data — WRI, UNOSAT, WHC
Data for UNOSAT / WHC - 24th North

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