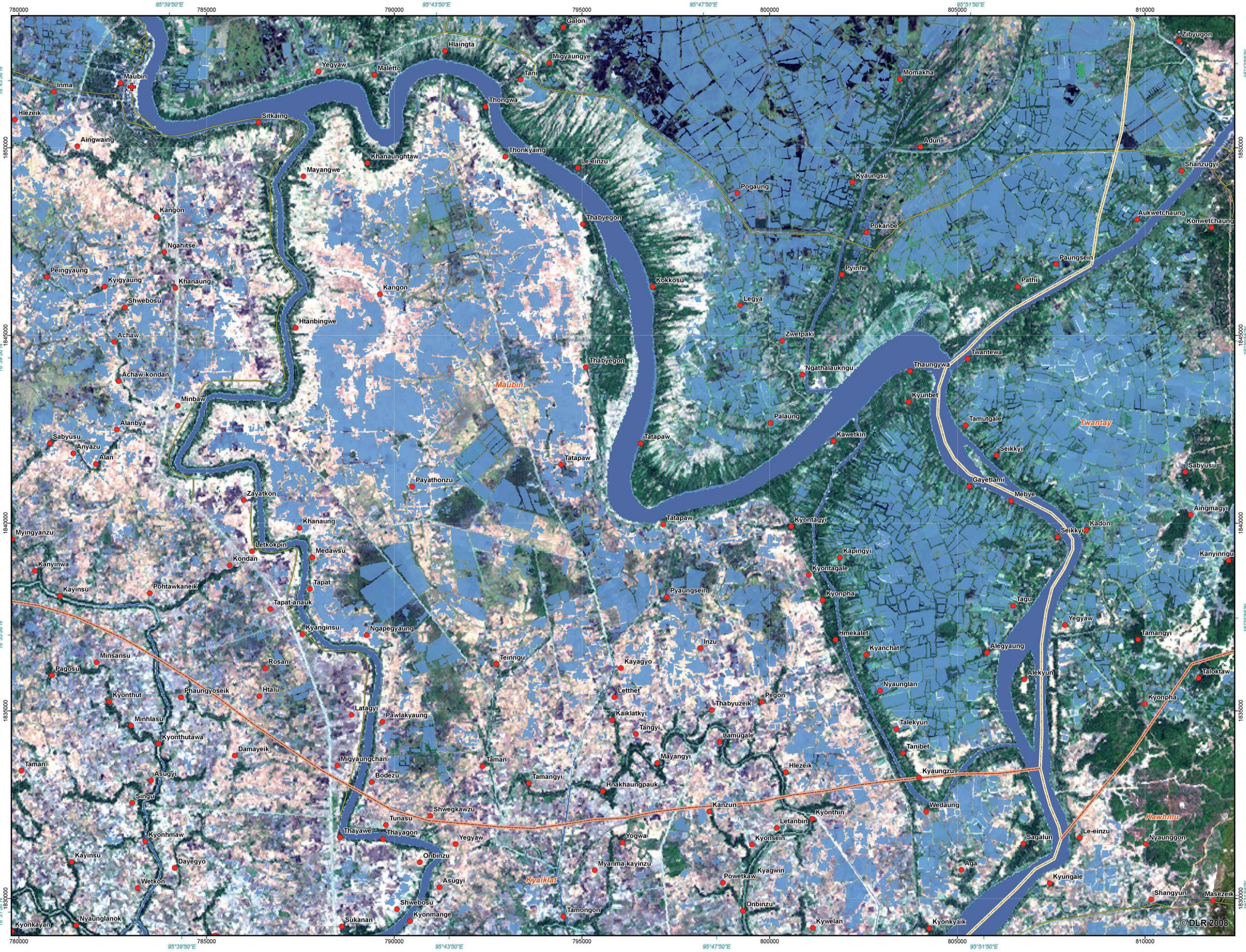
Myanmar - Cyclone "Nargis" - Flood Extent May 14, 2008 - Sheet 3: Maubin Region

1:50,000



Center for Satellite Based Crisis Information
– Emergency Mapping & Disaster Monitoring –
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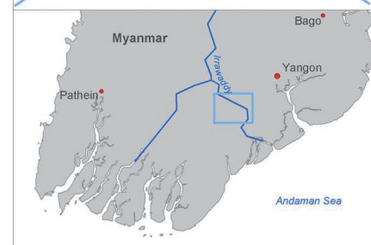
German Remote Sensing Data Center
German Aerospace Center
DLR



Legend

Settlement | Agriculture | Riverbed

Flood Situation:
- Pre-flood water surface (November 7, 2000)
- Flood water surface (May 14, 2008)

Population:
- Towns/Villages

Boundaries:
- Division boundaries
- Township borders

Infrastructure:
- Roads
- Health Facilities

Interpretation

On May 2nd, 2008 the tropical cyclone "Nargis" hit the coast of Myanmar southwest of the capital Yangon causing major damages.
On May 9th a first analysis of the flood situation derived from TerraSAR-X data acquired on May 6th was generated. This second analysis shows the inundated areas derived from TerraSAR-X radar satellite imagery of May 14th and the pre-disaster water level derived from LANDSAT-7 ETM of November 7th, 2000 around Maubin.
Due to heavy rainfall the water level did not change significantly within the 8 days between both images. As mentioned for the first analysis inundated areas may also contain regions which were covered by water before the disaster due to the prevalence of wet-rice cultivation. The results are superimposed on LANDSAT-7 ETM imagery of November 7, 2000.

Scale

0 1 2 3 4 km

Scale: 1:50,000 for DIN A1 printing

N

Reference coordinate system: *Geographic coord. info:*

Projection:	UTM Zone 46 N	*Geographic (DMS)*
Spheroid:	WGS 84	*WGS 84*
Datum:	WGS 84	*WGS 84*

Data Sources

LANDSAT-7 ETM	© USGS 2000
TerraSAR-X	© German Aerospace Center (DLR) 2008 Commercial exploitation rights: infoterra
Vector data	© Vmap (Towns/Villages), MIMU/WHO (Health Facilities, Boundaries), KEYOBS (Settlements) and derivation from LANDSAT-7 ETM (Roads, Railroads)

Processing/Analysis

Image processing and map creation by DLR:

- Derivation of flooded areas from TerraSAR-X
- Derivation of normal water levels from LANDSAT-7 ETM imagery of 2000
- Roads digitized from LANDSAT-7 ETM imagery of 2000

Map created May 16, 2008 by ZKI@DLR.DE
The map was created in cooperation with RESPOND.

TERRA SAR X

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