

**\*\* May 2023 News from Sentinel Asia Project Office \*\***

\_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_

Topics:

1. [News] Emergency Observation of Disasters
2. How to Send an Emergency Observation Request
3. Using the Sentinel Asia Operation System, OPTEMIS

\_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_ \* \_

1. [News] Emergency Observation of Disasters (as of 29 May)

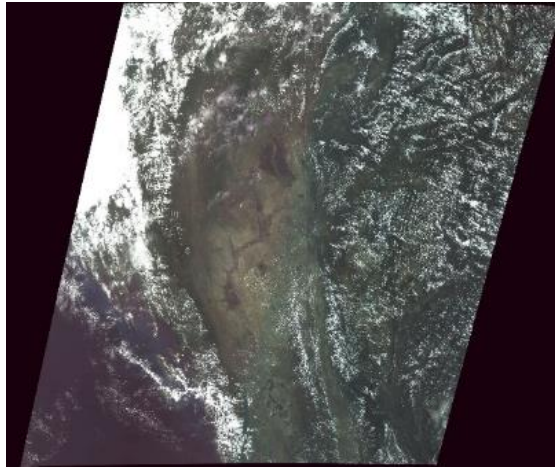
(1) Cyclone MOCHA in Myanmar on 14 May, 2023 (GLIDE Number [TC-2023-000069-MMR](https://www.sentinel-asia.org/EO/2023/article20230514MM.html)) According to the International Federation of Red Cross and Red Crescent Societies (IFRC), Cyclone Mocha, the strongest cyclone in the Bay of Bengal in the past 10 years has crossed the coast between Cox’s Bazar in Bangladesh and Kyaukpyu township, near Rakhine’s capital of Sittwe, Myanmar, on 14 May with winds estimated to be as strong as 250 kph, bringing heavy rains, storm surges, flash floods and landslides. In Myanmar, the cyclone has caused significant damage: houses were destroyed, electricity lines were down, and power and water services were disrupted. Resulting storm surges have also knocked out bridges and inundated homes.

They reported that, based on early reports, around 355 households in Yangon, Magway and Ayeyarwady regions are reported affected, while initial reports from Chin State also highlight damage, and more than 130,000 people were evacuated to temporary shelters.

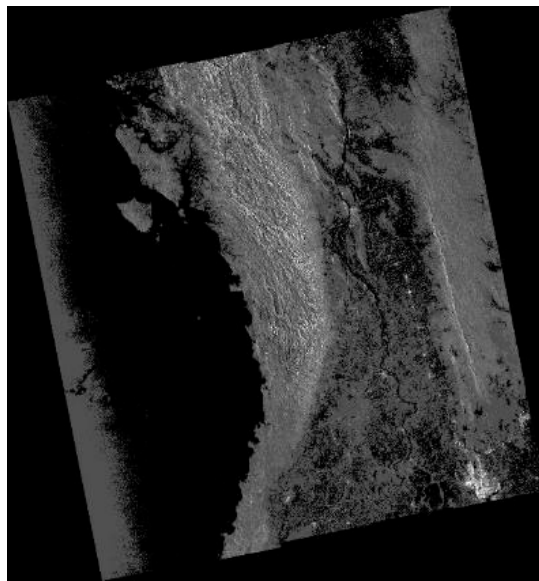
<https://www.ifrc.org/press-release/cyclone-mocha-access-and-time-essence-help-affected-families-bangladesh-and-myanmar>

The ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre) made an Emergency Observation Request (EOR) to Sentinel Asia on 11 May, 2023, in anticipation of the approach of Mocha. This EOR was escalated to the International Disasters Charter and Geoinformatics Center of Asian Institute of Technology (GIC-AIT) assumed the role of Project Manager for this Charter activation. Among Data Provider Nodes (DPNs), ISRO, JAXA, and TASA provided data. Among Data Analysis Nodes (DANs), AIT, EOS, MBRSC, and United Nations’ World Food Programme (WFP) provided their Value-Added Products (VAPs). Information on the latest response by Sentinel Asia is available at the link below.

<https://sentinel-asia.org/EO/2023/article20230514MM.html>



Post-disaster satellite image (Resourcesat-2A) provided by ISRO



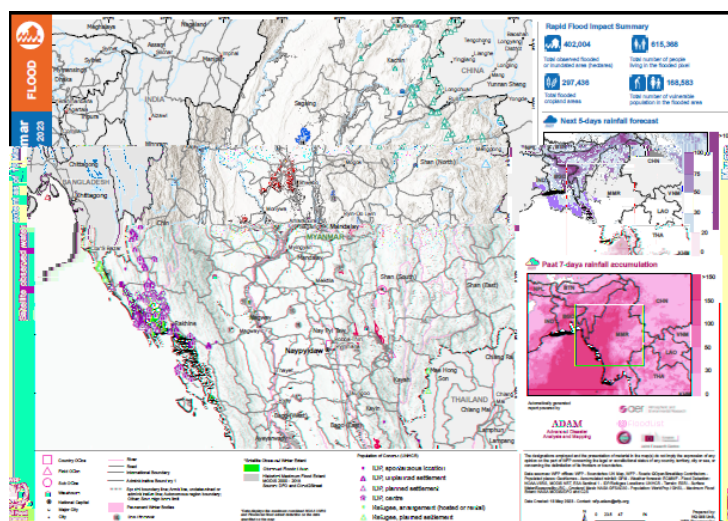
Post-disaster satellite image (ALOS-2) provided by JAXA



Post-disaster satellite image (FORMOSAT-5) provided by TASA







Value-Added Product by WFP

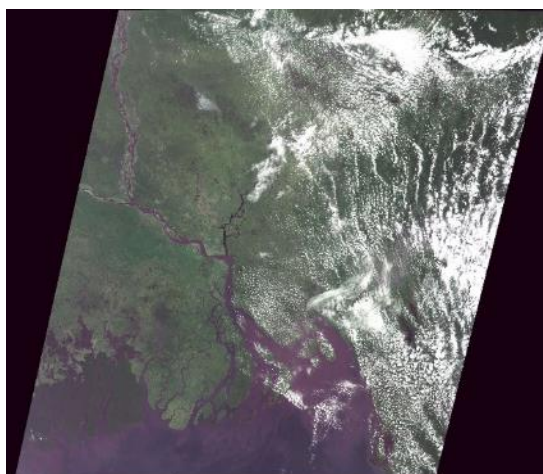
(2) Cyclone MOCHA in Bangladesh on 14 May, 2023 (GLIDE Number [TC-2023-000071-BGD](#))

Cyclone Mocha also hit Bangladesh. According to the BBC, no casualties have been reported in Bangladesh but 750,000 people had evacuated ahead of the storm.

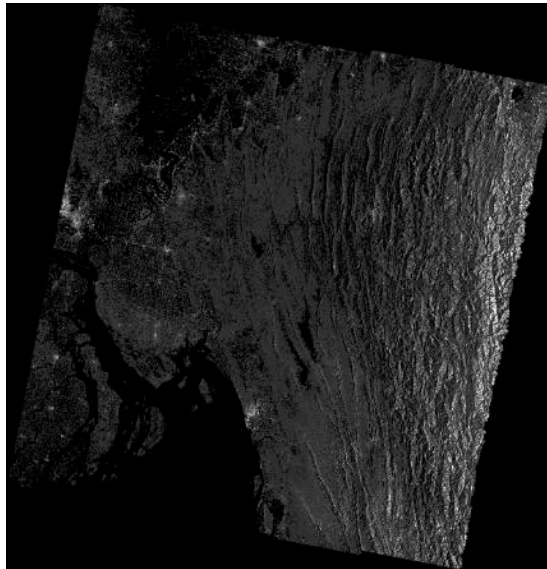
<https://www.bbc.com/news/world-asia-65587321>

The Bangladesh Water Development Board (BWDB), which is a new member of Sentinel Asia, made an EOR to Sentinel Asia on 14 May. Among DPNs, ISRO and JAXA provided data. Among DANs, AIT and MBRSC provided their VAPs. Information on the latest response by Sentinel Asia is available at the link below.

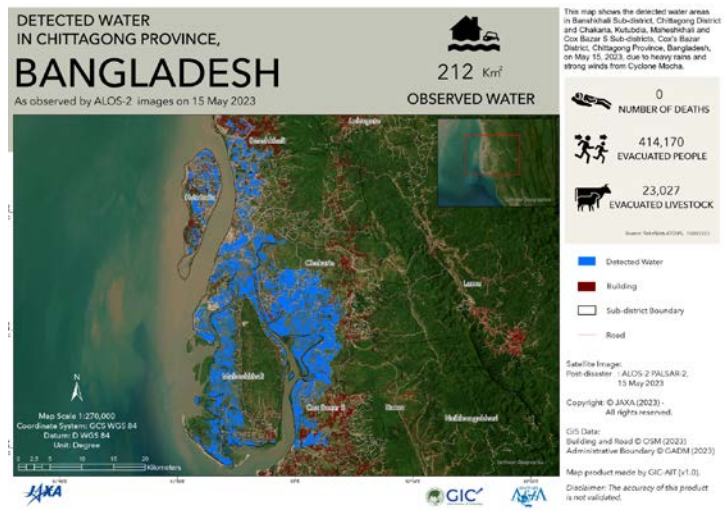
<https://sentinel-asia.org/EO/2023/article20230514BD.html>



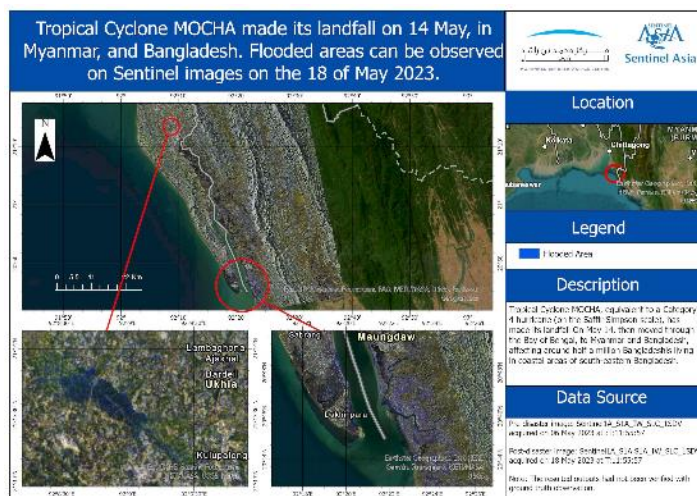
Post-disaster satellite image (Resourcesat-2A) provided by ISRO



Post-disaster satellite image (ALOS-2) provided by JAXA



Value-Added Product by AIT



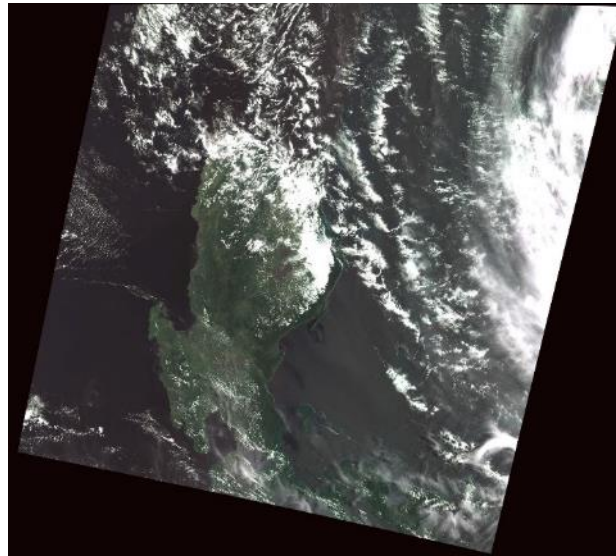
(3) Typhoon Mawar in the Philippines on 27 May, 2023 (GLIDE Number [TC-2023-000077-PHL](#))

After damaging the Island of Guam, Typhoon Mawar (Betty) approached the Philippines, although it is predicted to stay off the island of Luzon, the Philippines.

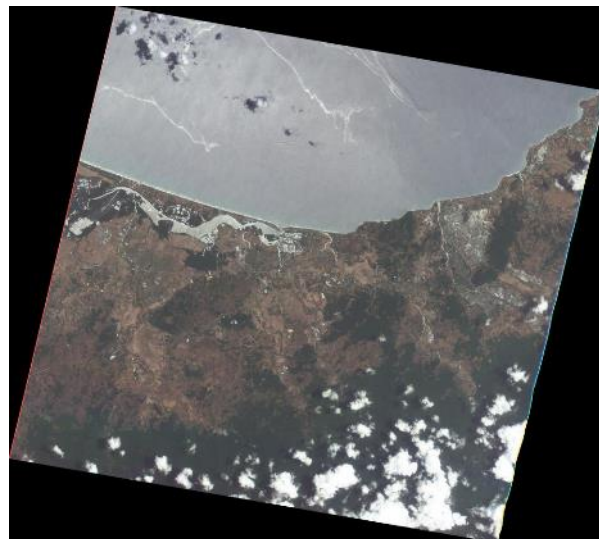
<https://www.nytimes.com/article/typhoon-mawar.html>

Anticipating the damage in the country, the Manila Observatory (MO) made an EOR to Sentinel Asia on 25 May. Among DPNs, ISRO and TASA provided data. Information on the latest response by Sentinel Asia is available at the link below.

<https://sentinel-asia.org/EO/2023/article20230527PH.html>



Post-disaster satellite image (Resourcesat-2) provided by ISRO



Post-disaster satellite image (FORMOSAT-5) provided by TASA

