** April 2025 News from Sentinel Asia Project Office **

- * - * - * - * - *- * - * - * - * - * - *- * - * - * - * - * - *-

Topics:

1. [News] Emergency Observation of Disasters (as of 24 April)
2. How to send an Emergency Observation Request
3. Using Sentinel Asia Operation System, OPTEMIS

- * - * - * - * - *- * - * - * - * - * - *- * - * - * - * - * - *-

1. [News] Emergency Observation of Disasters (as of 24 April)

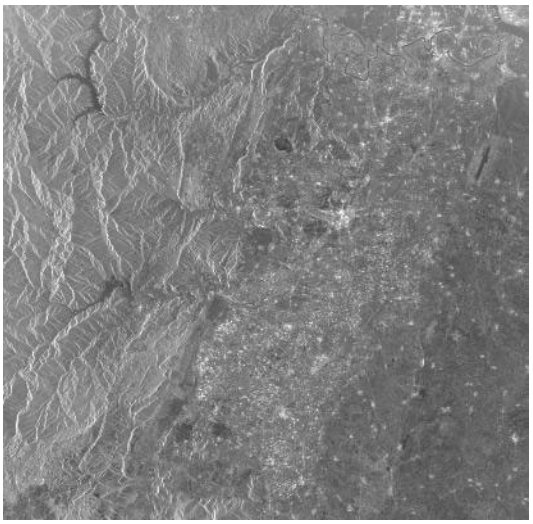
(1) Earthquake in Mandalay, Myanmar on 28 March, 2025 (GLIDE Number EQ-2025-000043-MMR)

A magnitude 7.7 earthquake struck Myanmar on 28 March, causing enormous damage to the country. According to the report by the Myanmar Information Management Unit (MIMU) dated 18 April, the death toll is 3,869 and 347,704 people are affected.
https://themimu.info/sites/themimu.info/files/documents/2025_Earthquake_Situation_Report_MRCS_18Apr2025.pdf

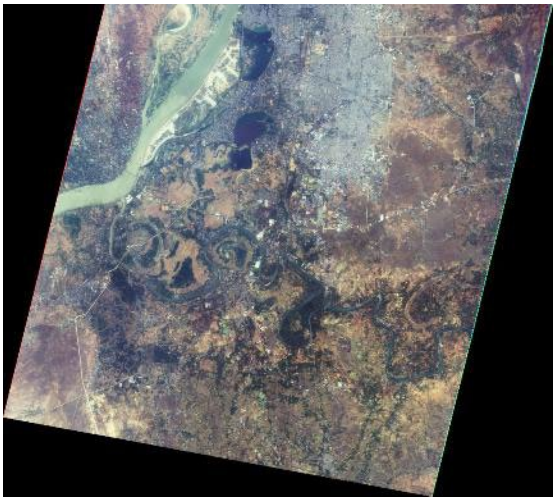
MIMU made an Emergency Observation Request (EOR) to Sentinel Asia on 28 March. Among Data Provider Nodes (DPNs), GISTDA, ISRO, JAXA, and TASA provided data. Among Data Analysis Nodes (DANs), EOS, Science Tokyo, and Chiba University provided their Value-Added Products (VAPs).
Information on the latest response by Sentinel Asia is available at the link below.
https://sentinel-asia.org/EO/2025/article20250328MM.html

Post-disaster satellite image (THEOS-2) provided by GISTDA

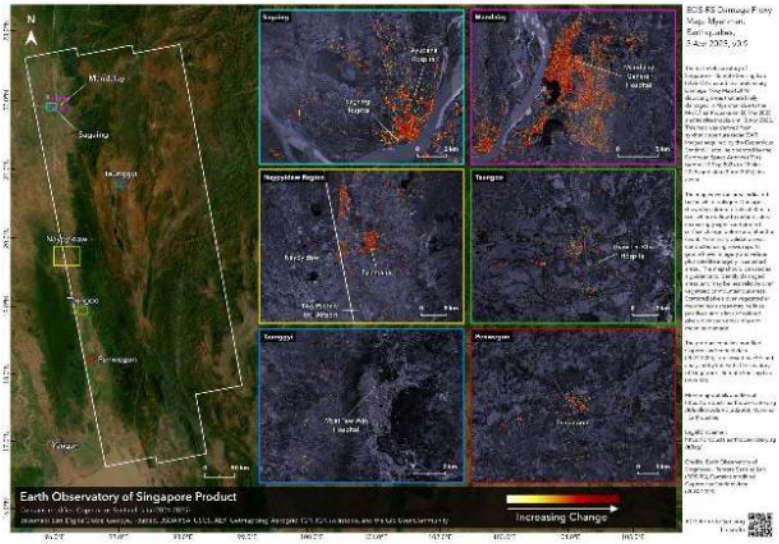
Post-disaster satellite image (CARTOSAT-3) provided by ISRO



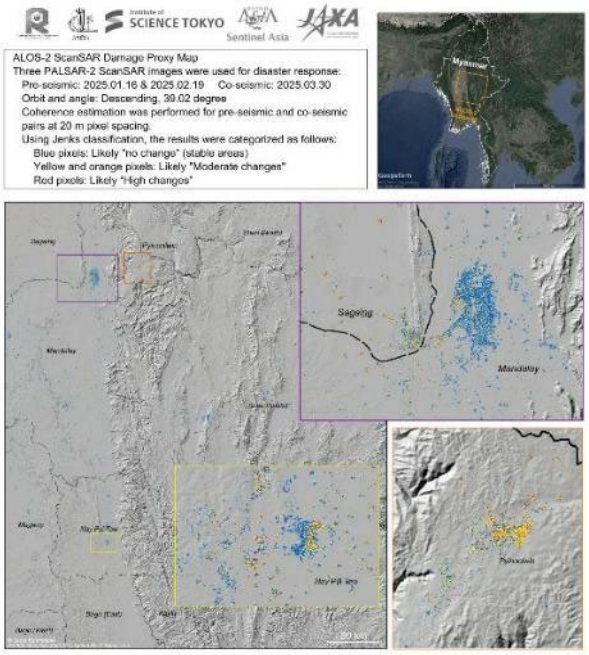
Post-disaster satellite image (ALOS-2) provided by JAXA



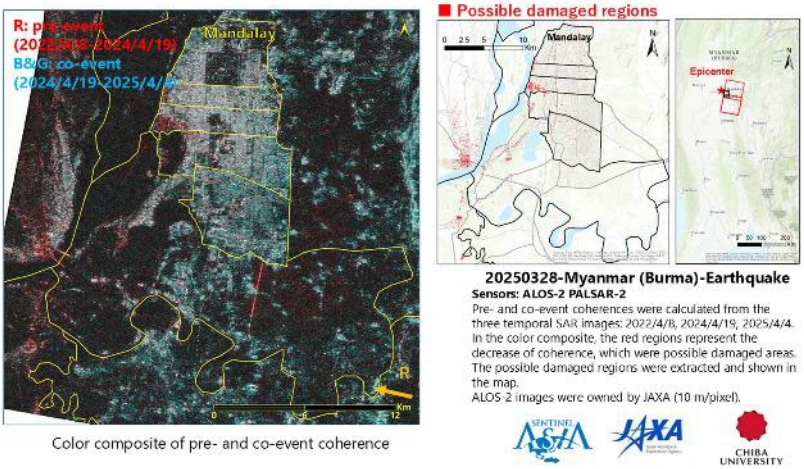
Post-disaster satellite image (FORMOSAT-5) provided by TASA



Value-Added Product by EOS



Value-Added Product by Science Tokyo

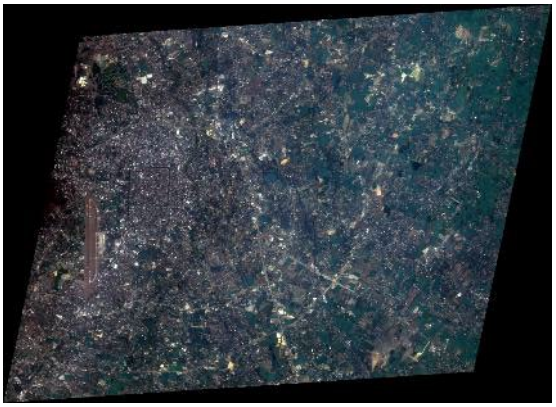


Value-Added Product by Chiba University

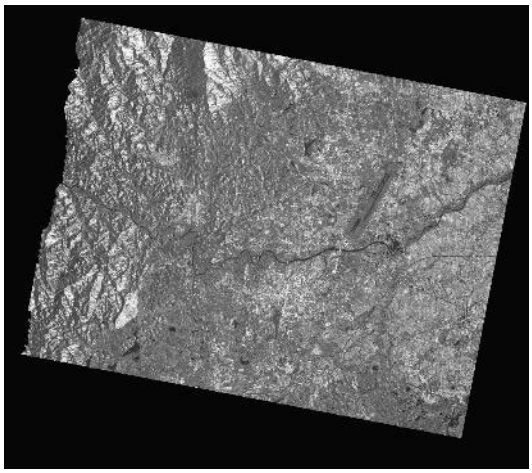
(2) Earthquake damage across Thailand on 28 March, 2025 (GLIDE Number EQ-2025-000043-THA)

The earthquake that occurred in Myanmar on 28 March brought damage to the neighboring country of Thailand. According to a report from ADINet dated 20 April, there were 54 deaths and 38 injuries in the country.
https://adinet.ahacentre.org/report/thailand-m77-earthquake-in-bangkok-and-18-provinces-20250328

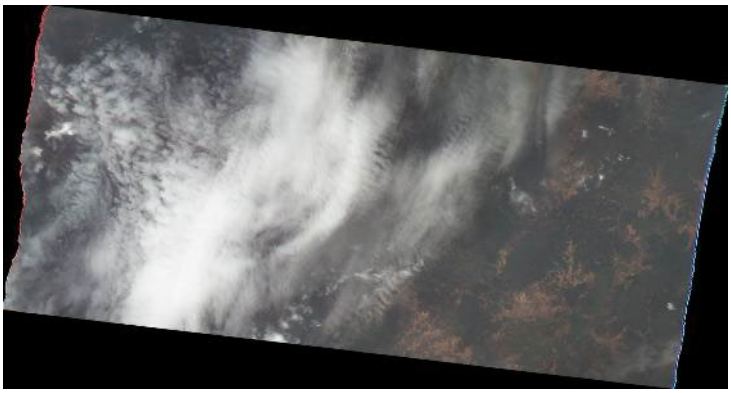
GISTDA made an EOR to Sentinel Asia on 28 March. Among DPNs, GISTDA, ISRO, JAXA, and TASA provided data. Among DANs, Chiba University, EOS, and MBRSC provided their VAPs.
Information on the latest response by Sentinel Asia is available at the link below.
https://sentinel-asia.org/EO/2025/article20250328TH.html



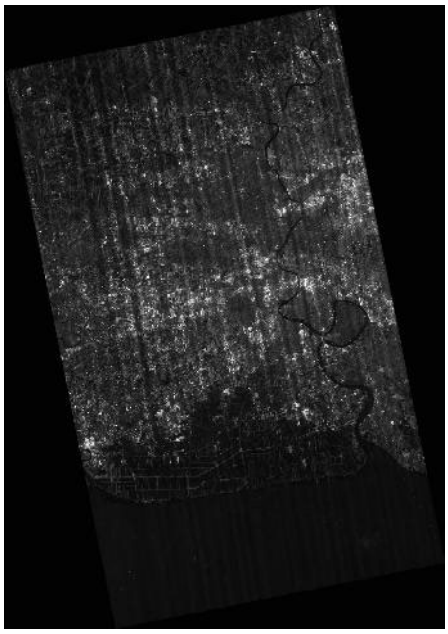
Post-disaster satellite image (THEOS-2) provided by GISTDA



Post-disaster satellite image (EOS-04) provided by ISRO

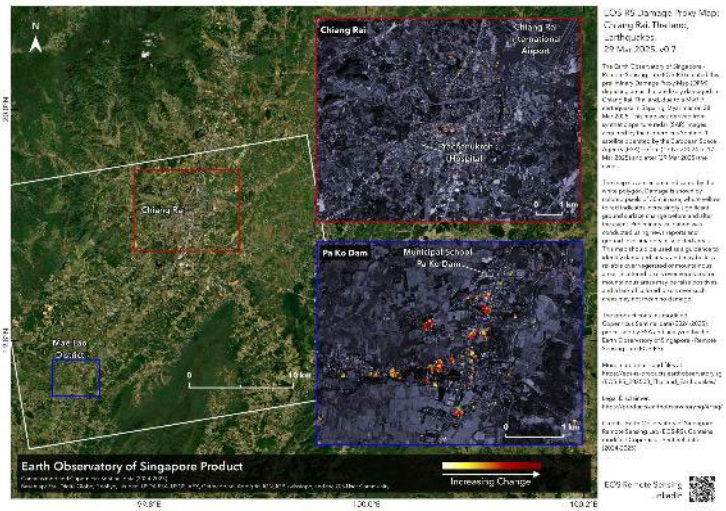


Post-disaster satellite image (FORMOSAT-5) provided by TASA

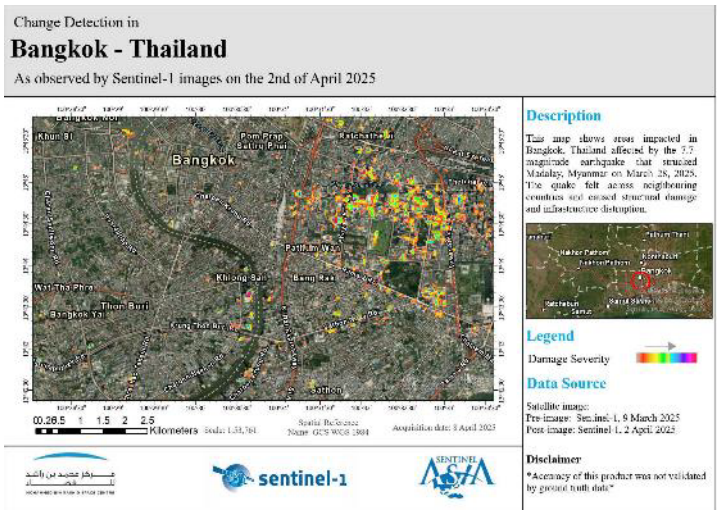


Post-disaster satellite image (AOS-2) provided by JAXA

Value-Added Product by Chiba University



Value-Added Product by EOS

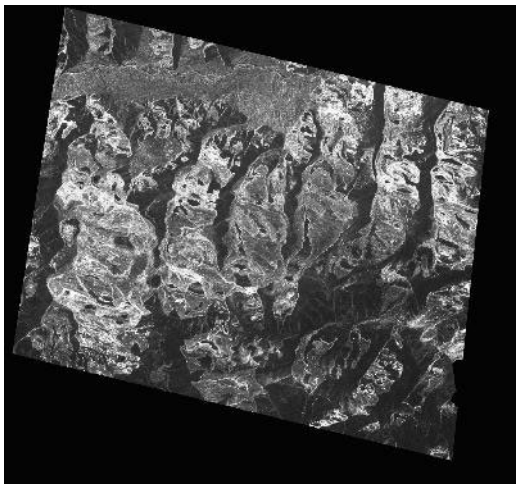


Value-Added Product by MBRSC

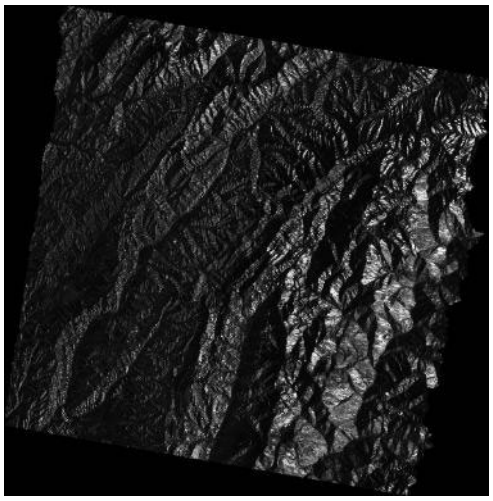
(3) Earthquake in Central Tajikistan on 13 April, 2025 (GLIDE Number EQ-2025-000049-TJK)

A magnitude 5.9 earthquake on 13 April killed one child and damaged 30 houses in Tajikistan, according to the Times of Central Asia.
https://timesca.com/earthquake-in-tajikistan-kills-one-child-damages-about-30-homes/

The Central Asian Institute of Applied Geosciences (CAIAG) of Kyrgyzstan made an EOR to Sentinel Asia on 14 April. Among DPNs, ISRO, JAXA, GISTDA, and TASA provided data. Among DANs, EOS and MBRSC provided its VAPs.
Information on the latest response by Sentinel Asia is available at the link below.
https://sentinel-asia.org/EO/2025/article20250413TJ.html

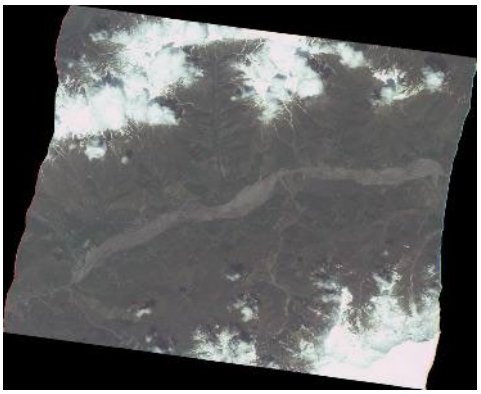


Post-disaster satellite image (EOS-04) provided by ISRO

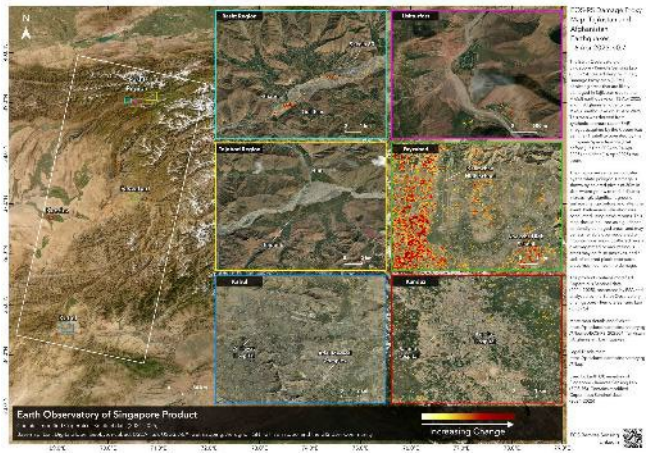


Post-disaster satellite image (ALOS-2) provided by JAXA

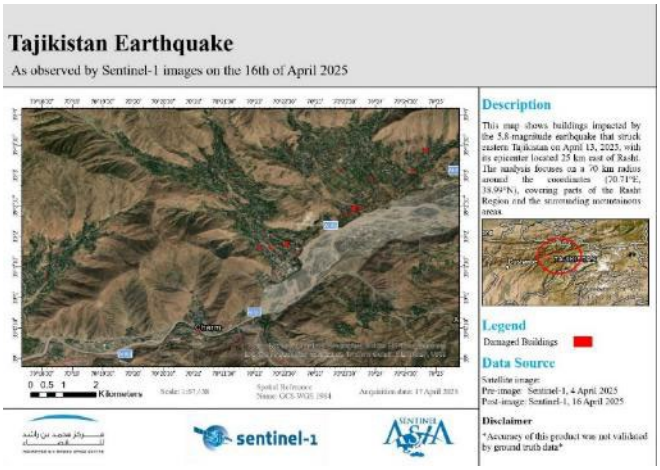
Post-disaster satellite image (THEOS-1) provided by GISTDA



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



Value-Added Product by EOS



Value-Added Product by MBRSC

- * - * - * - *- * - * - * - * - * - *- * - * - * - * - * - *-

2. How to send an Emergency Observation Request

JPT member organizations are entitled to send an Emergency Observation Request (EOR) for disasters in the Asia-Pacific region. Please refer to https://sentinel-asia.org/e-learning/Emergency_Observation_Request.html

EOR Order Desk:
Asian Disaster Reduction Center (ADRC)
HP: http://www.adrc.asia/
E-mail: sarequest@adrc.asia
FAX: +81-78-262-5546,
TEL: +81-78-262-5540

- * - * - * - * - *- * - * - * - * - * - *- * - * - * - * - * - *-

3. Using Sentinel Asia Operation System, OPTEMIS

Sentinel Asia launched a new operation system, OPTEMIS. Please refer to the website on how to create an account for OPTEMIS.
https://sentinel-asia.org/e-learning/Emergency_Observation_Request.html

+===+===+===+===+===+===+===+===+===+===+===+===+===+===+===+=

Sentinel Asia Project Office
Satellite Applications and Operations Center (SAOC)
Japan Aerospace Exploration Agency (JAXA)
Ochanomizu Sola City, 4-6 Kandasurugadai, Chiyoda-ku, Tokyo 101-8008 Japan
E-mail: Z-SENTINEL.ASIA@ml.jaxa.jp