

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

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Topics:

1. [News] Emergency Observation of Disasters (as of 23 July)
2. How to send an Emergency Observation Request
3. Using Sentinel Asia Operation System, OPTEMIS

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1. [News] Emergency Observation of Disasters (as of 23 July)

- (1) GLOF at Lake Takyr-Tor in Kyrgyzstan on 27 June, 2025 (GLIDE Number FL-2025-000099-KGZ)

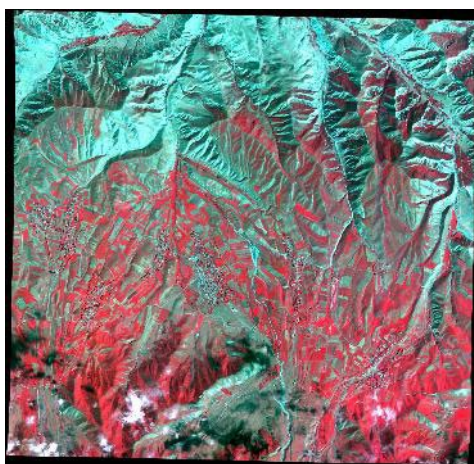
Takyr-Tor Lake, located in the Chuy region, Kyrgyzstan, burst its banks on 27 June. According to a report by the Trend News Agency, 950 people have been evacuated.

<https://www.trend.az/casia/kyrgyzstan/4063495.html>

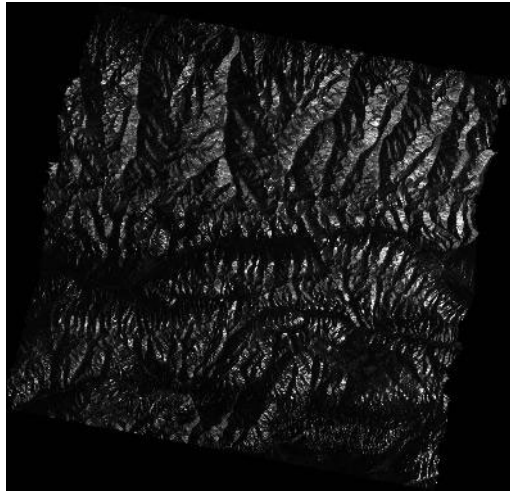
Central Asian Institute of Applied Geosciences (CAIAG) made an Emergency Observation Request (EOR) to Sentinel Asia on 30 June. This EOR was escalated to the International Disasters Charter. The Geoinformatics Center (GIC) of the Asian Institute of Technology (AIT) assumed the role of Project Manager for this Charter activation. Among Data Provider Nodes (DPN), ISRO, JAXA, and TASA provided data. Among Data Analysis Nodes (DAN), JAXA and MBRSC provided their VAPs.

Information on the latest response by Sentinel Asia is available at the link below.

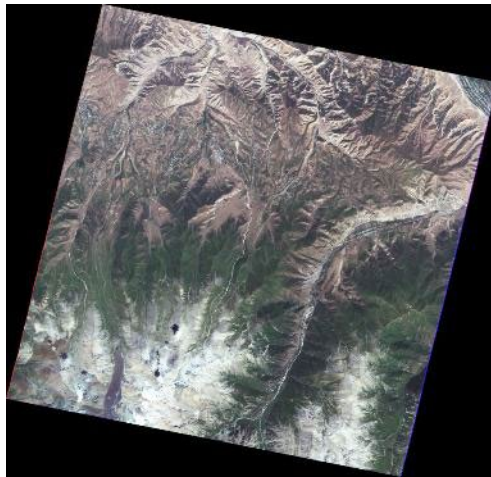
<https://sentinel-asia.org/EO/2025/article20250627KG.html>



Post-disaster satellite image (CARTOSAT-2E) 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 MBRSC

(2) Flood in Western Nepal on 30 June, 2025 (GLIDE Number FL-2025-000102-NPL)

Continuous rainfall in Nepal in late June to early July caused flooding in the eastern and central areas of the country, according to the media, including the Rising Nepal. Several other floodings followed in central Nepal.

<https://risingnepaldaily.com/news/64372>

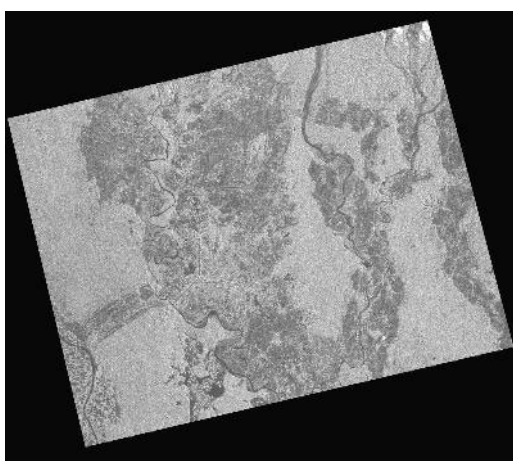
<https://english.khabarhub.com/2025/08/484317/>

<https://ekantipur.com/en/news/2025/07/09/three-bridges-in-mustang-were-damaged-when-the-flood-came-from-the-foot-of-the-chuamapik-mountain-41-06.html>

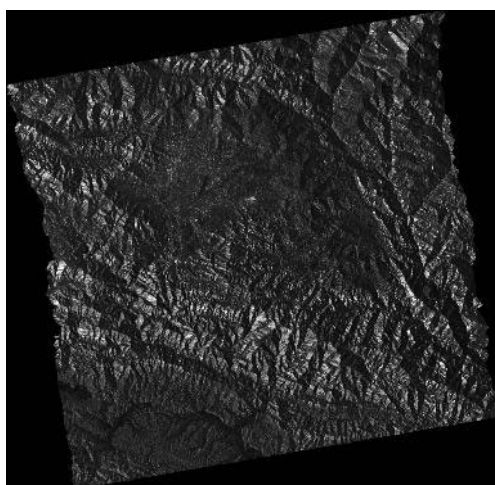
The Department of Hydrology and Meteorology (DHM), Ministry of Energy, Water Resources and Irrigation of Nepal made an EOR to Sentinel Asia on 1 July. This EOR was escalated to the International Disasters Charter. The International Centre for Integrated Mountain Development (ICIMOD) assumed the role of Project Manager for this Charter activation. Among DPNs, ISRO, JAXA, and TASA provided data. Among DANs, AIT, EOS, JAXA, MBRSC, and Toyama University of International Studies (TUINS) provided their VAPs.

Information on the latest response by Sentinel Asia is available at the link below.

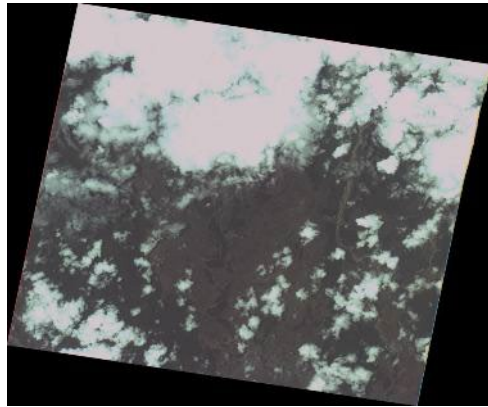
<https://sentinel-asia.org/EO/2025/article20250630NP.html>



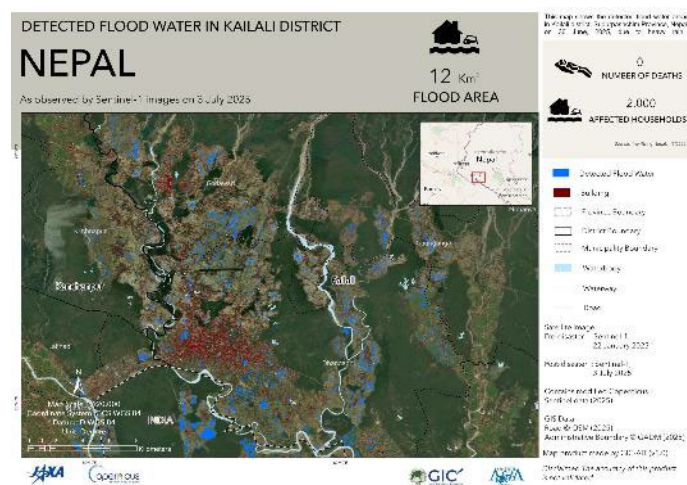
Post-disaster satellite image (EOS-04) provided by ISRO



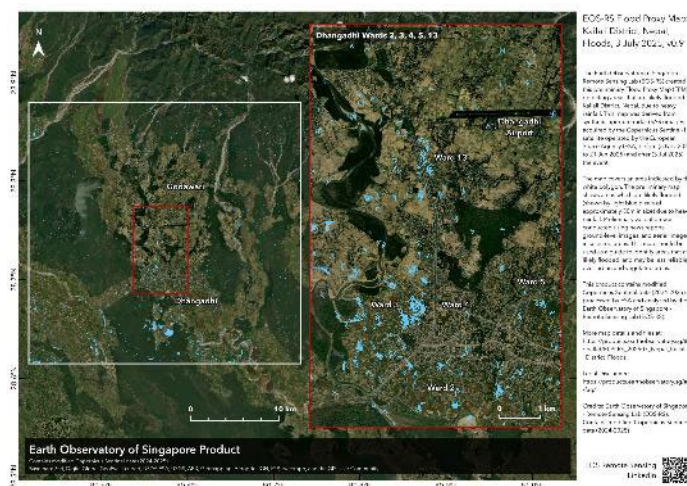
Post-disaster satellite image (ALOS-2) provided by JAXA



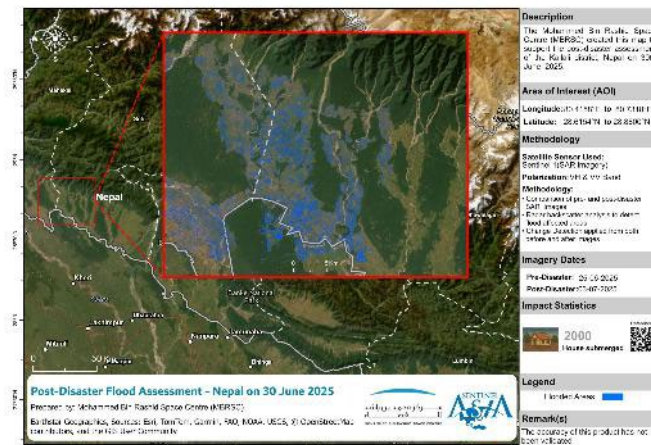
Post-disaster satellite image (FORMOSAT-5) provided by TASA



Value-Added Product by AIT

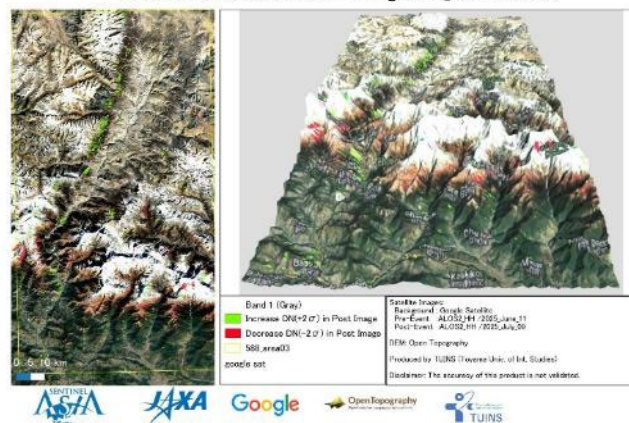


Value-Added Product by EOS



Value-Added Product by MBRSC

A Preliminary Study on Change Detection Using Pre and Post Event ALOS-2 Images(SA_00588 AOI-3)



Value-Added Product by TUINS

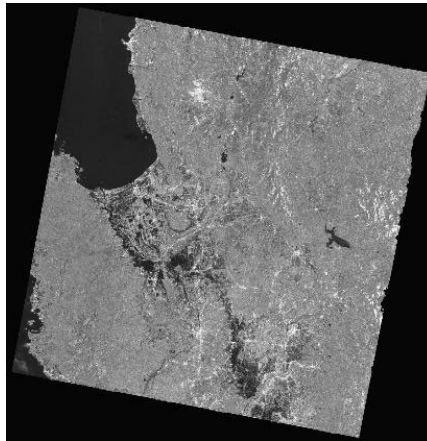
(3) Flood by Southwest Monsoon and TC WIPHA in Philippines on 16 July, 2025 (GLIDE Number TC-2025-000115-PHL)

Tropical Cyclone Wipha, known as Crising in the Philippines, crossed northern Philippines on 18 July. Monsoon rains have killed at least three people and left another seven missing in central and southern Philippines, Channel News Asia reported. In the Metro Manila region, the banks of the Marikina River burst and more than 23,000 people living along the river were evacuated. Another 25,000 more were evacuated in the metropolitan area's Quezon and Caloocan cities.

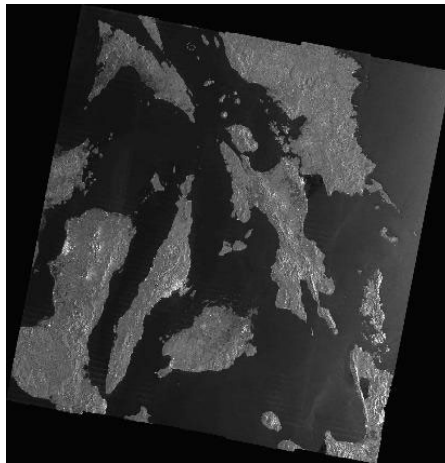
<https://www.channelnewsasia.com/asia/philippines-flooding-manila-displaces-thousands-typhoon-wipha-5250986>

The ASEAN Coordinating Centre for Humanitarian Assistance on disaster management (AHA Centre) made an EOR to Sentinel Asia on 18 July. Among DPNs, ISRO and JAXA provided data. Among DANs, AIT, EOS, MBRSC, and TUINS provided their VAPs. Information on the latest response by Sentinel Asia is available at the link below.

<https://sentinel-asia.org/EO/2025/article20250716PH.html>



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



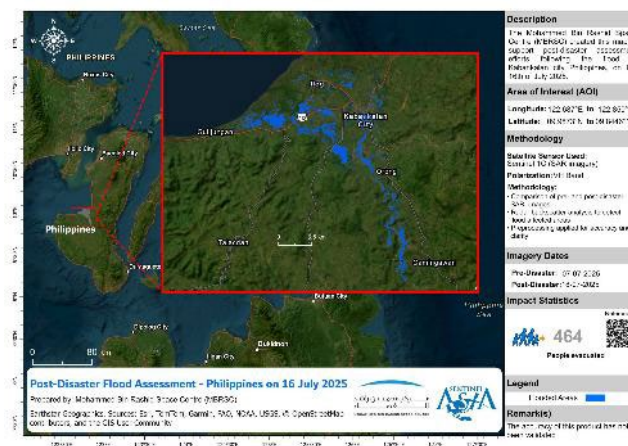
Post-disaster satellite image (ALOS-2) provided by JAXA



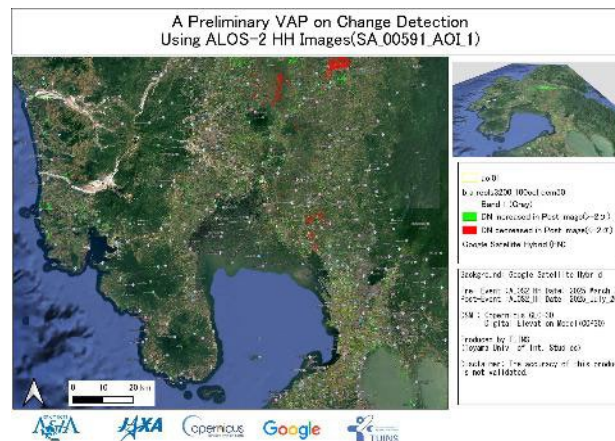
Value-Added Product by AIT



Value-Added Product by EOS



Value-Added Product by MBRSC



Value-Added Product by TUINS

(4) Flood by Typhoon WIPHA in Vietnam on 21 July, 2025 (GLIDE Number TC-2025-000115-VNM)

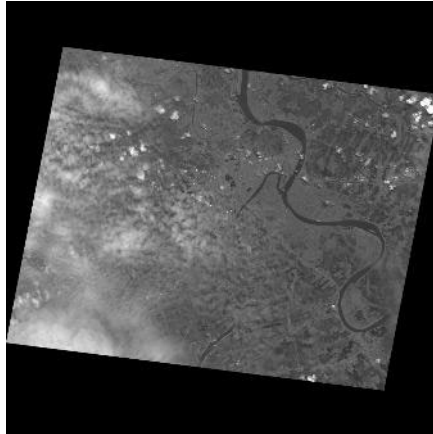
Tropical Cyclone Wipha made landfall on Vietnam and caused severe flooding, killing at least three people and leaving one more missing, Channel News Asia reported.

<https://www.channelnewsasia.com/asia/severe-floods-storm-wipha-vietnam-5255601>

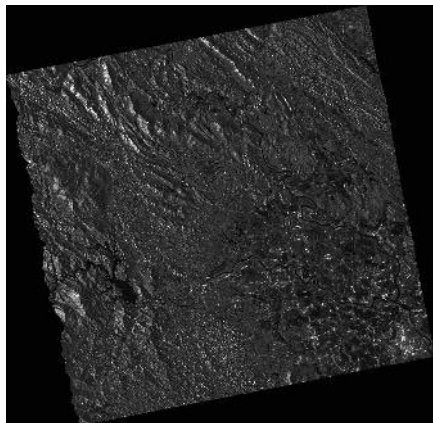
Vietnam's Ministry of Agriculture and Environment (MAE) made an EOR to Sentinel Asia on 19 July. Among DPNs, GISTDA and JAXA provided data. Among DANs, EOS, JAXA, and MBRSC provided their VAPs.

Information on the latest response by Sentinel Asia is available at the link below.

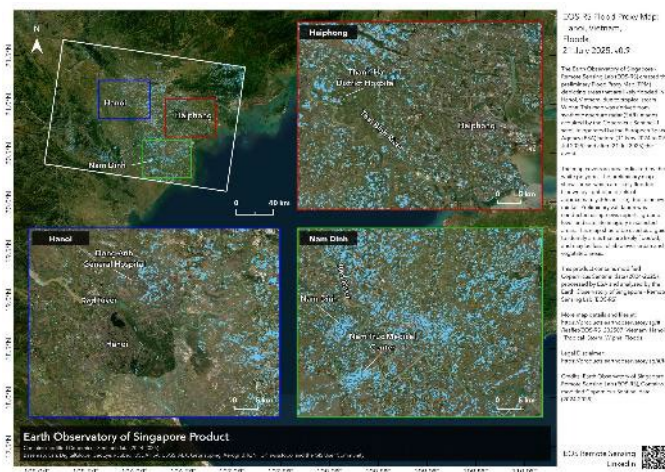
<https://sentinel-asia.org/EO/2025/article20250721VN.html>



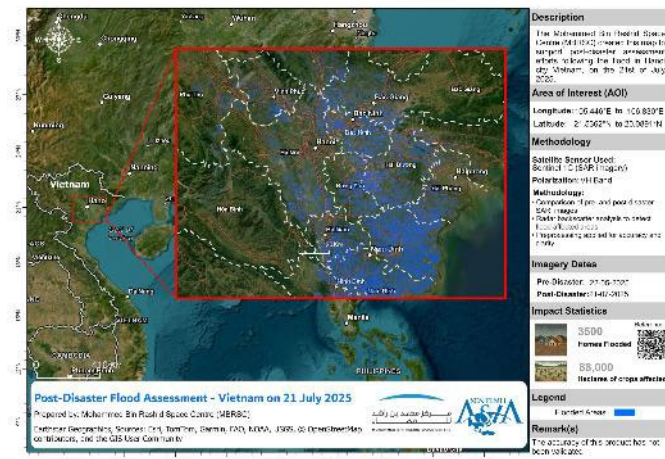
Post-disaster satellite image (THEOS-1) provided by GISTDA



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



Value-Added Product by EOS



Value-Added Product by MBRSC

(5) Flood by Tropical Cyclone WIPHA in Lao PDR (Laos) on 21 July, 2025 (GLIDE Number TC-2025-000115-LAO)

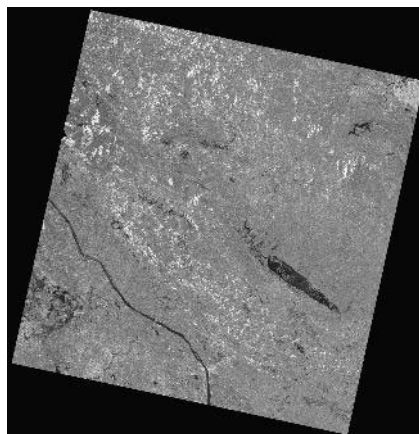
Wipha caused flooding also in northern and central Laos and the Lao Department of Meteorology and Hydrology issued warnings, Vietnamplus reported.

<https://en.vietnamplus.vn/storm-wipha-triggers-severe-flooding-across-laos-post323255.vnp>

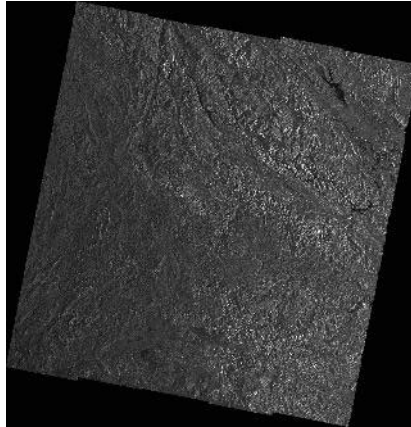
AHA Centre made an EOR to Sentinel Asia on 21 July. Among DPNs, ISRO and JAXA provided data. Among DANs, EOS, MBRSC and TUINS provided their VAPs.

Information on the latest response by Sentinel Asia is available at the link below.

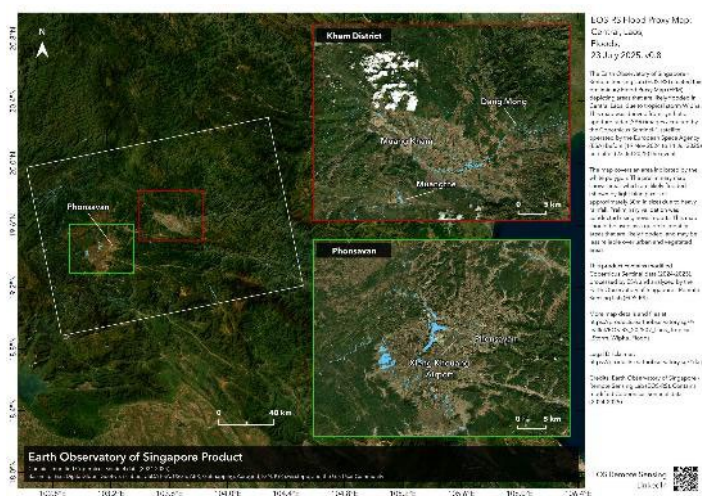
<https://sentinel-asia.org/EO/2025/article20250721LA.html>



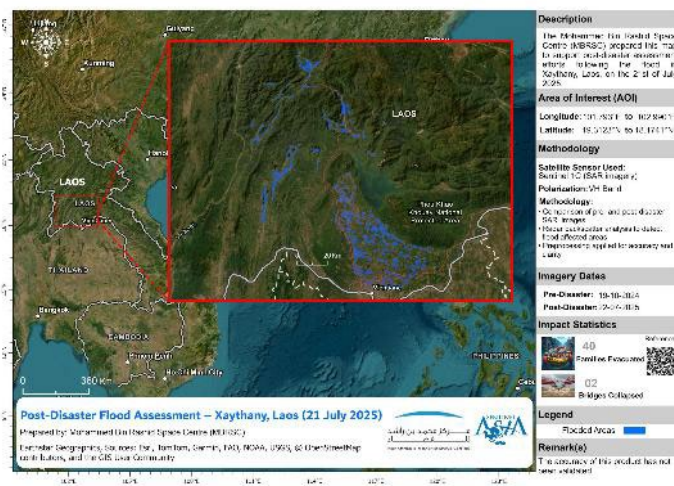
Post-disaster satellite image (EOS-04) provided by ISRO



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



Value-Added Product by EOS



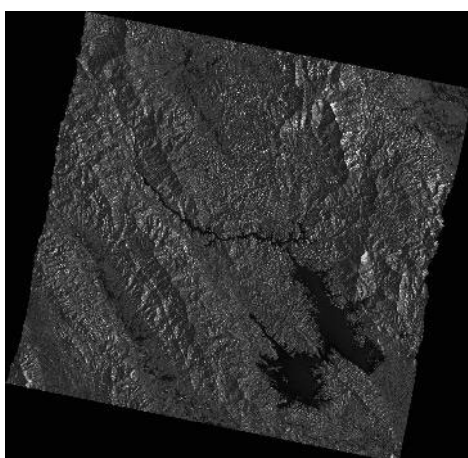
Value-Added Product by MBRSC

(6) Flood due to TC WIPHA in Northern Thailand on 17 July, 2025 (GLIDE Number TC-2025-000115-PHL)

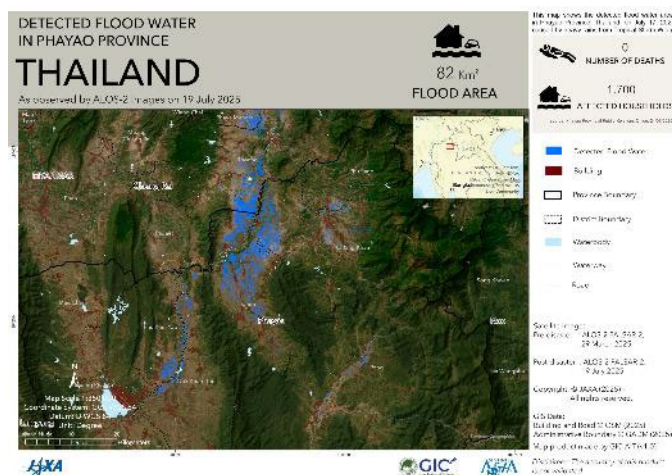
<https://www.nationthailand.com/news/general/40052949>

Information on the latest response by Sentinel Asia is available at the link below.

<https://sentinel-asia.org/EO/2025/article20250717TH.html>



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



Value-Added Product by AIT

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