



05 June 2024

PRELIMINARY SATELLITE-DERIVED DAMAGE ASSESSMENT



Galle District, Southern Province, Sri Lanka

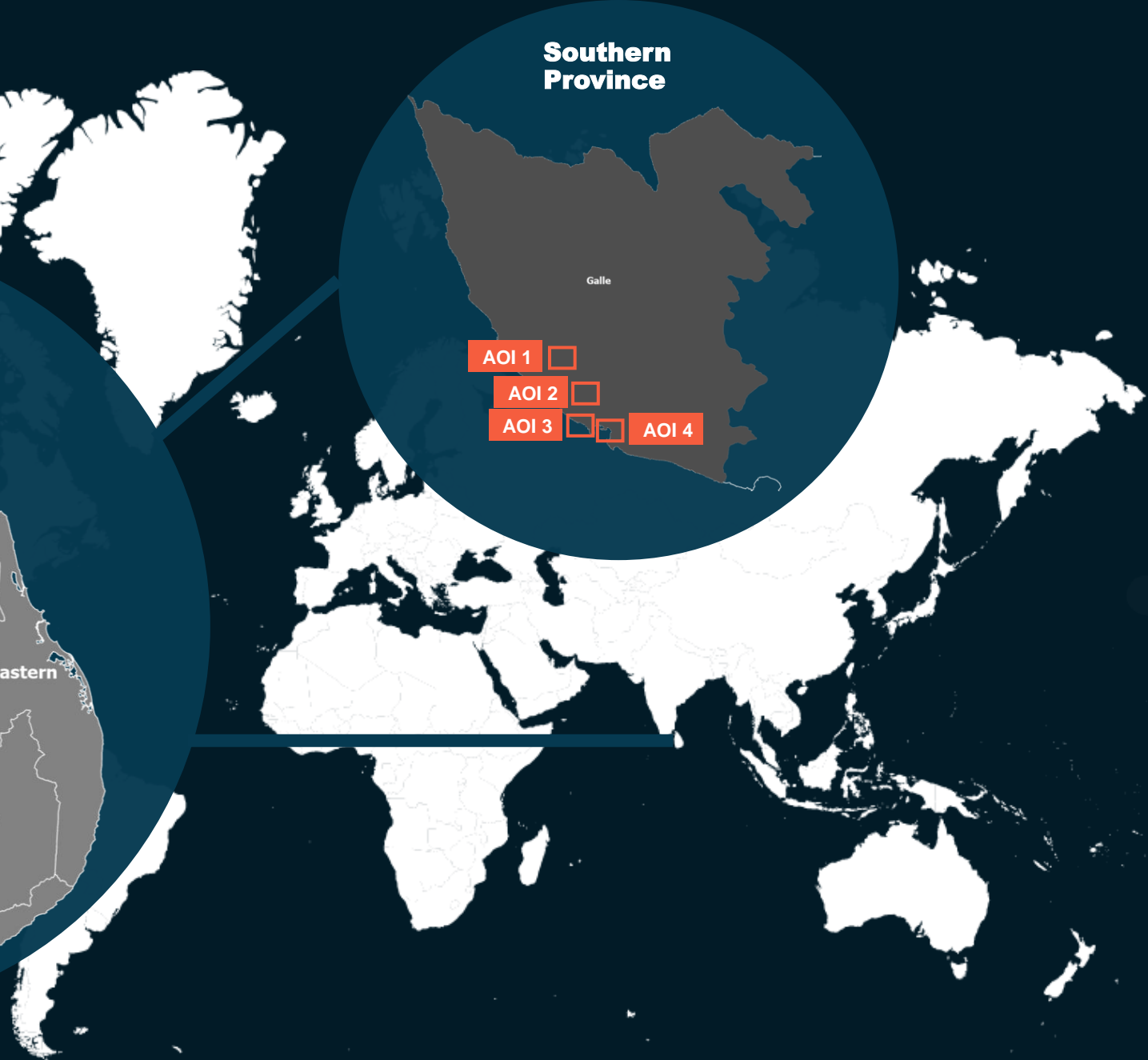
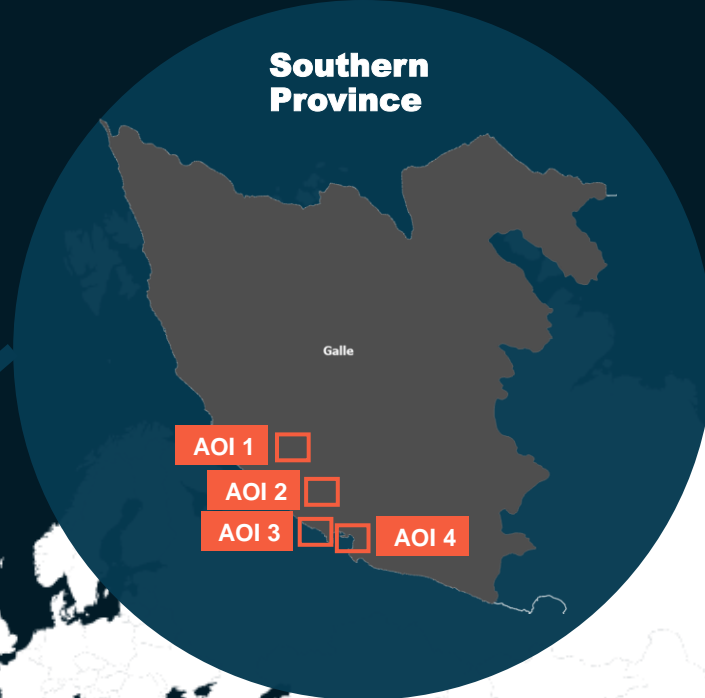
 Status: inundated agricultural area and potentially affected structures

 Further action(s): continue monitoring



SRI LANKA

05 June 2024



AOI 1: Galle District, Southern Province, Sri Lanka

Image center:
79°58'46"E
06°54'05"N



Inundated agricultural area & potentially affected structures



WorldView-2 / 03 March 2023



Pleiades / 05 June 2024

AOI 2: Galle District, Southern Province, Sri Lanka

Image center:
80°10'24"E
06°04'27"N



Water increase observed along the Gin Ganga river



WorldView-2 / 03 March 2023

Pleiades / 05 June 2024

AOI 3: Galle District, Southern Province, Sri Lanka

Image center:
80°10'47"E
06°04'01"N



No major floods observed in Gintota City



WorldView-2 / 03 March 2023



Pleiades / 05 June 2024

AOI 4: Gampaha District, Western Province, Sri Lanka

Not major floods observed in Galle City



Makuluwa
Junction



SUMMARY OF FINDINGS

- Water increase observed along the Gin Ganga river, Galle District, Southern Province as of 05 June 2024;
- Inundated agricultural areas observed along the Gin Ganga river, Galle District, Southern Province as of 05 June 2024;
- Potentially affected structures observed along the Gin Ganga river, Galle District, Southern Province as of 05 June 2024;
- No major floods observed in Gantota city and Galle city, Galle District, Southern Province as of 05 June 2024.

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Data sources:

(1) Satellite Image (Post-event): Pléiades

Acquisition date : 05 June 2024, 08:39 UTC

Resolution: 50cm

Copyright: Includes Pleiades material © CNES (2022), Distribution

Airbus DS

Source: Airbus D&S

(2) Satellite Image (Pre-event):

ESRI Basemap

(3) Ancillary data

Administrative boundaries: UNOCHA

Populated place: OpenStreetMap

Waterway: OpenStreetMap

Road data: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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Important note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering properties of the radar signal.s



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United Nations Satellite Centre (UNOSAT),
United Nations Institute for Training and
Research (UNITAR)
7 bis, Avenue de la Paix, CH-1202 Geneva 2,
Switzerland

T +41 22 917 4720
E unosat@unitar.org
www.unosat.org