05 October 2022

TROPICAL CYCLONE NORU-22
PRELIMINARY SATELLITE-DERIVED
FLOOD AND DAMAGE ASSESSMENT

Savannakhet City, Champhon Town and Mouang Nong, Savannakhet Province of Lao PDR

Status: No observed major floods or widespread damage could

Further action(s): Full assessment completed
LAO PDR

- **Cyclone position**
- **Cyclone track**
- **International boundary**
- **Provincial boundary**

**Wind speed**
- **High (>120 km/h)**
- **Medium (60-120 km/h)**
- **Low (<60 km/h)**

AOI 1 - Savannakhet City

AOI 2 - Champhon Town

AOI 3 - Mouang Nong

28/09 19:00 Local time

**AOI 1-Savannakhet City**

**AOI 2-Champhon Town**

**AOI 3-Mouang Nong**

28/09 19:00 Local time

**28/09 07:00 Local time**

**28/09 07:00 Local time**

**28/09 07:00 Local time**
AOI-1 SAVANNAKHET CITY, KHANTHABOULY DISTRICT, SAVANNAKHET PROVINCE

No visible floods/damage

Pléiades image acquired on 04 Oct. 2022
Image center: 104°46'53.714"E 16°33'55.173"N

Savannakhet City
Mekong River
Savannakhet Airport
Ban Bungva Reservoir
Standing water in agricultural area
AOI-1 SAVANNAKHET CITY, KHANTHABOULY DISTRICT, SAVANNAKHET PROVINCE

No visible floods/damage

Pléiades/ 7 Dec. 2022

Pléiades/ 04 Oct. 2022
AOI 1- SAVANNAKHET CITY, KHANTHABOULY DISTRICT, SAVANNAKHET PROVINCE

No visible floods/damage

WorldView-2/ 9 Mar. 2017

Pléiades/ 04 Oct. 2022
AOI 2- CHAMPHON TOWN AND KENGKOK VILLAGE, CHAMPHON DISTRICT, SAVANNAKHET PROVINCE

No visible floods/damage
AOI 2- SAVANNAKHET CITY, KHANTHABOULY DISTRICT, SAVANNAKHET PROVINCE

No visible floods/damage

WorldView-2/ 11 Feb. 2017

Pléiades/ 04 Oct. 2022
AOI 3- MOUANG NONG, NONG DISTRICT, SAVANNAKHET PROVINCE

No visible floods/damage
SUMMARY OF FINDING

- No major floods or widespread damage could be observed in Savannakhet City, Champhon Town, and Mouang Nong of Savannakhet Province;
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Data sources:

(1) Satellite Image (Post-event)
Satellite Data: Pleiades
Imagery Dates: 04 Sep. 2022 (03:30 UTC)
Resolution: 50 cm
Copyright: ©CNES (2022), Distribution Airbus DS.
Source: Airbus DS

(2) Satellite Image (Pre-event)
Satellite Data: Pléiades
Imagery Dates: 7 Dec. 2022
Resolution: 50 cm
Copyright: ©CNES (2022), Distribution Airbus DS.
Source: Airbus DS

Satellite Data: WorldView-2
Imagery Dates: 9 Mar. 2017
Copyright: 2017 Digital Globe
Source: ESRI Basemap

(3) Ancillary data
Cyclone track: Joint Research Centre (JRC)
Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)