



8 APRIL 2020

PRELIMINARY SATELLITE-DERIVED DAMAGE ASSESSMENT SANMA AND MALAMPA PROVINCES, VANUATU

STATUS: Evidences of damaged building detected

FURTHER ACTION(S): CONTINUE MONITORING





OVERVIEW / BASED ON AOIs ASSESSED

REGION

Date of assessment validity: 8 April 2020

Impact and severity*:

O undetected

C limited impact potentially detected

• significant impact potentially detected

Potentially affected elements at risk (indicate all that are applicable):

- 🗹 buildings residential
- ✓ buildings commercial/industry
- vulnerable structures (e.g. schools, hospitals, water, sanitation, power stations,
- □ internally displaced persons (IDP) camps
- ✓ transportation network
- 🗹 agriculture

🗆 other:

Data sources:

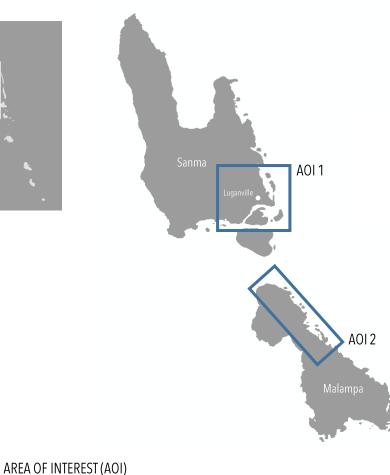
(1) pre-event (reference) image: Google Earth

(2) post-event images: Pleiades, 7 April 2020, CNES (2020), distribution Airbus D&S

(3) baseline data

 Administrative boundaries: OCHA ROP

* disclaimer (i.e. assessment has yet to be validated with field-based information)





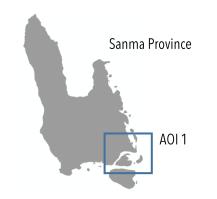




Image Center : 167°10'35.586"E 15°36'23.226"S



Google Earth / 24 JUNE 2016



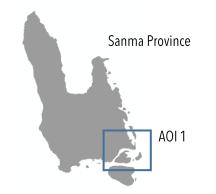




Image Center : 167°10'4.249"E 15°31'9.179"S



Google Earth / 17 NOVEMBER 2018



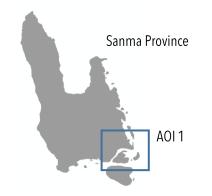




Image Center : 167°10'57.066"E 15°30'29.398"S



Google Earth / 17 NOVEMBER 2018



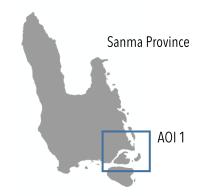


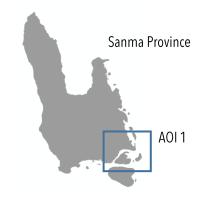


Image Center : 167°11'24.189"E 15°30'32.21"S



Google Earth / 17 NOVEMBER 2018









Google Earth / 27 APRIL 2016

Pleiades / 7 APRIL 2020

Image Center : 167°12'19.631"E 15°30'52.934"S



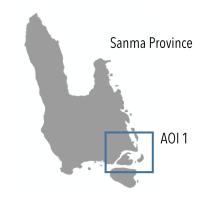




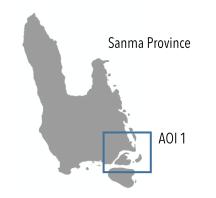
Image Center : 167°13'12.067"E 15°30'59.808"S



Google Earth / 27 APRIL 2016











Google Earth / 27 APRIL 2016

Pleiades / 7 APRIL 2020

Image Center : 167°13'7.658"E 15°30'29.251"S



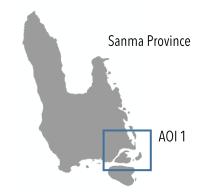




Image Center : 167°13'17.461"E 15°27'51.162"S



Google Earth / 27 APRIL 2016



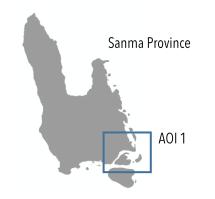




Image Center : 167°12'35.467"E 15°27'33.808"S



Google Earth / 27 APRIL 2016



AOI 2 NORTH WEST MALEKULA MUNICIPALITY, MALAMPA PROVINCE, VANUATU : POTENTIALLY DAMAGED STRUCTURES

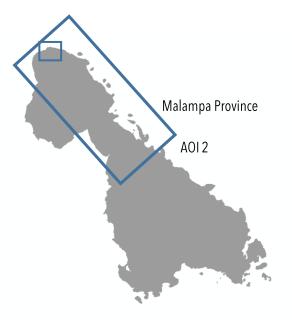




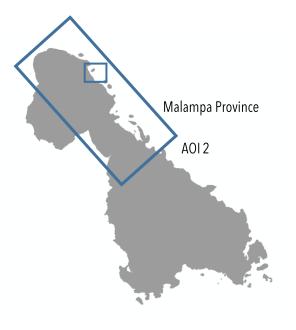
Image Center : 167°12'48.76" E 15°53'19.382"S Google Earth / 27 APRIL 2016



AFTER

AOI 2 NORTH WEST MALEKULA MUNICIPALITY, MALAMPA PROVINCE, VANUATU : NO VISIBLE DAMAGE

Meters





BEFORE

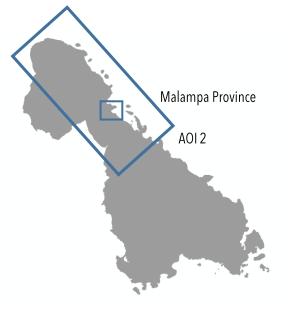


Image Center : 167°20'18.082"E 15°56'38.744"S

Google Earth / 18 FEBRUARY 2018



AOI 2 CENTRAL MALEKULA MUNICIPALITY, MALAMPA PROVINCE, VANUATU : NO VISIBLE DAMAGE





Google Earth / 26 JULY 2018

Pleiades / 7 APRIL 2020

Image Center : 167°24'51.243"E 16°4'26.053"S

SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 8 April 2020

Preliminary observations, impact and severity *:



Palais des Nations, CH-1211 Geneva 10, Switzerland

Maps:

Email:

http://www.unitar.org/maps unosat@unitar.org Operations: +41 22 767 4020 24/7 hotline: +41754114998

- Evidence of widespread damage observed in several locations of Espiritu Santo island, Luganville, Canal-Fanafo and South East Santo of Sanma Province (AOI1); ٠
- Damaged buildings and agriculture lands affected east of Malakula island in Malampa Province (AOI 2); ٠
- Most of the structural damage are ripped of roofs; ٠
- Roof and structure debris made several road obstructions ٠

Further/ anticipated actions from UNOSAT:

© no impact detected/ discontinue monitoring over specific AOI

• potential impact detected

✓ continue monitoring over specific AOIs 1-2

full assessment to be conducted

C more data and/ or information needed to confirm impact

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