

Ascending and descending views combined over Sinabung eruptions, Indonesia

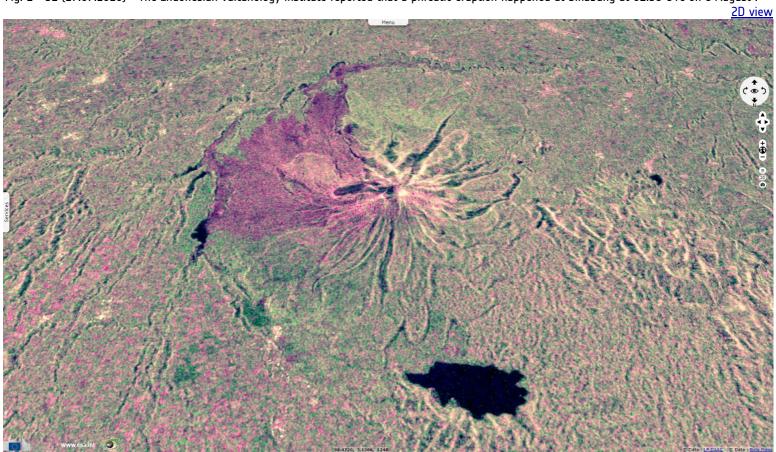
Sentinel-1 CSAR IW acquired on **27 July 2020** at 11:42:26 & 23:11:38 UTC **Sentinel-1 CSAR IW** acquired on **08 August 2020** at 11:42:27 & 23:11:39 UTC **Sentinel-5P TROPOMI SO2** acquired on **10 August 2020** at 07:28:05 UTC

Sentinel-1 CSAR IW acquired on **20 August 2020** at 11:42:28 & 23:11:39 UTC

<u>Author(s):</u> Sentinel Vision team, VisioTerra, France - svp@visioterra.fr

<u>Keyword(s):</u> Emergency, natural disaster, atmosphere monitoring, volcano, arc, eruption, subduction, geology, Sumatra island, Indonesia, Pacific Ring of Fire

 $Fig. \ 1 - S1 \ (27.07.2020) - The \ Indonesian \ vulcanology \ institute \ reported \ that \ a \ phreatic \ eruption \ happened \ at \ Sinabung \ at \ 01:58 \ UTC \ on \ 8 \ August \ .$



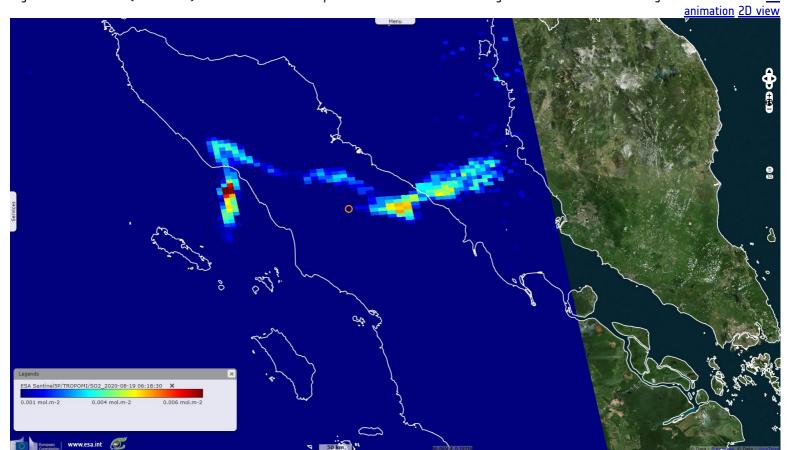
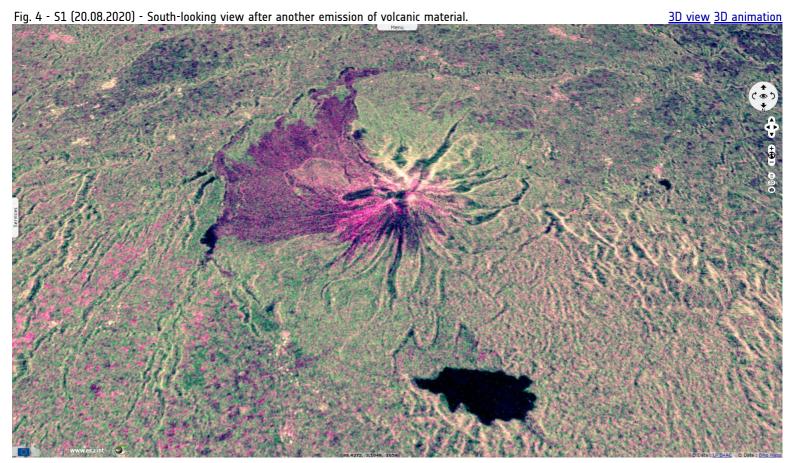


Fig. 3 - S1 (08.08.2020) - South looking view, the day of the first eruption. Authorities began enforcing a 7-km exclusion zone. There were no fatalities or injuries.



Due to the direction of the erupted material, the different phases of the eruption can only be fully seen by mixing ascending and descending point of views, as it is here. For each of the three couples of image, both ascending and descending views have been acquired on the same date.



The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.

Contains modified Copernicus Sentinel data 2020, processed by VisioTerra.

More on European Commission space:		y	You Tube				
More on ESA:	*	y	You Tube	S-1 website	S-2 website	S-3 website	
More on Copernicus program:		y	You Tube	<u>Scihub portal</u>	Cophub portal	<u>Inthub portal</u>	<u>Colhub portal</u>
More on VisioTerra:		Y	You Tube	Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal	<u>CryoSat portal</u>







Funded by the EU and ESA

SED-716-SentinelVision

powered by

