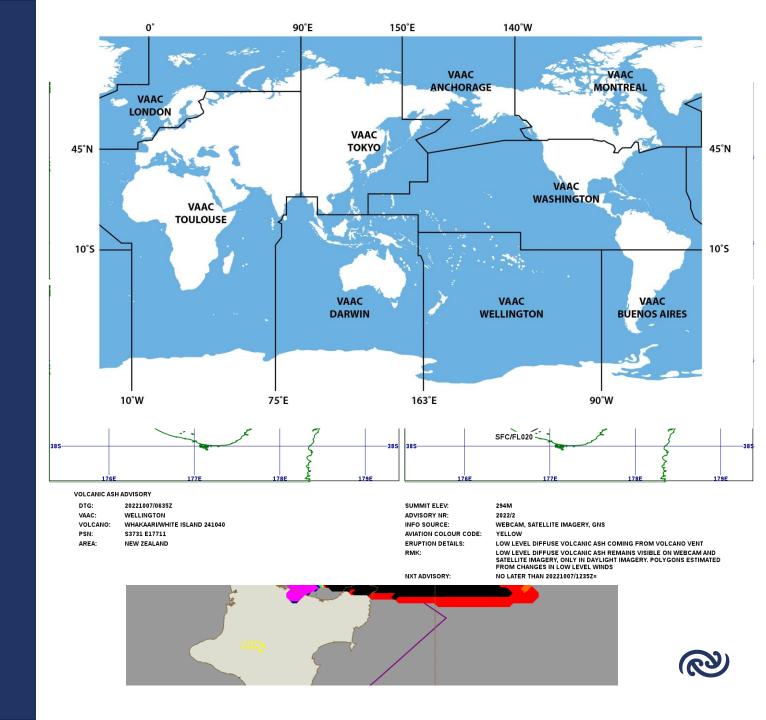
Wellington Volcanic Ash Advisory Centre (VAAC)

Chelsea Glue Meteorologist – Aviation Weather Services



What is the VAAC?

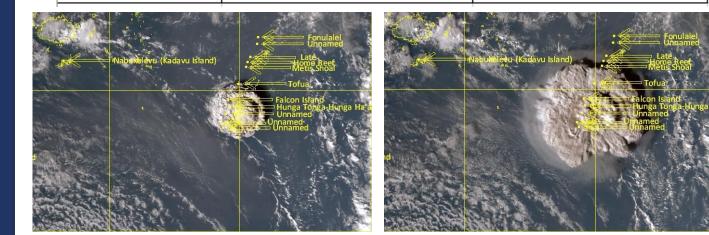
- 9 VAACs across the world
- Monitor volcanic ash hazards for aviation
- Model ash trajectories
- Issue Volcanic Ash Advisories/Graphics (VAA/VAG)
- Issue SIGMETs
- FIRs include Nadi, Nauru, Honiara, Tahiti, Isla De Pascua



2022 VAACtivity

- 141 VAA/VAGs issued
- 96% related to eruptions/VA events
- Remainder for test/exercise/backup
- HTHH notable event this year
- Monitoring Metis Shoal, Tofua, Tinakula, American Samoa, Erebus, Ruapehu

Volcano	Date	VAAs/VAGs issued
White Island	7-Oct	5
Hunga Tonga - Hunga	period 20 Dec 2021 - 3 Jan 2022	53
Ha'apai	14 Jan-18 Jan 2022	26 (inc rebroadcast)
	15, 17 and 18 Jan 2022	7
Yasur	12, 17 and 19 Feb 2022	16
	9 and 11 Apr 2022	9
Ambrym	25 Jan 2022	2
Ambae	12 and 17 Feb 2022	10
Gaua	3 May 2022	2
Home Reef	20 Sept 2022	3
	21 Sept 2022	2
VAAC backup notices	10-Mar-22	1 Following handover to/from
		VAAC DARWIN
Annual VAAC		
DARWIN backup test	16-Jun-22	1
Exercise notices	20 Apr 2022 (SIMBO & TINAKULA)	4
ICAO APAC VAA test	sch 16 Nov 2022	



Collaboration

- GNS + NEMA (Teams)
- Tonga Met (Teams)
- American Samoa USGS
- Vanuatu Geohazards
- Australian Bureau of Meteorology – VAAC Darwin (*Teams*)

SAMOA Savail Upolu Upolu Upolu Upolu Upolu Unuula Aunu'u Unuula Olosega Uailulu'u Ta'u Vailulu'u Ta'u Rose Atoli AMERICAN SAMOA

USGS HAWAIIAN VOLCANO OBSERVATORY

TA'Ū ISLAND INFORMATION STATEMENT REGARDING FELT EARTHQUAKES IN AMERICAN SAMOA: August 15, 2022

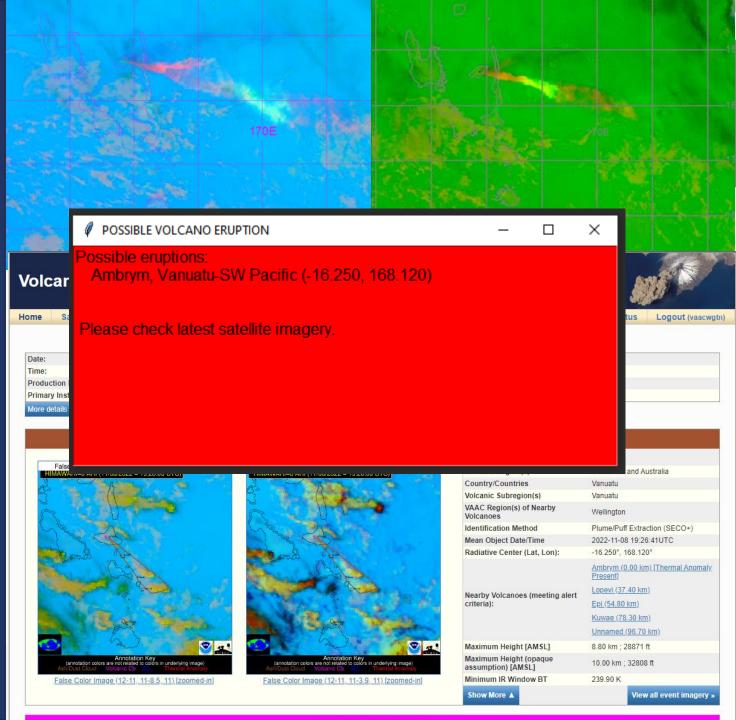
Summary:

No significant changes over the past 24 hours. The earthquake swarm in the Manu'a islands of American Samoa continues, with a source closer to Ta'ū island than Vailulu'u seamount. A microseismometer (earthquake-detecting device) installed in Fiti'uta village on Ta'ū island on August 13 is recording approximately 30-60 earthquakes per hour; most events are too small to be felt. Estimated magnitudes of the largest earthquakes, including the felt events, are between magnitude 2 and 3.



Monitoring

- Collaboration partners VONA and Teams chat (GNS, Vanuatu, Tonga, USGS, Darwin VAAC)
- Webcams
- Satellite imagery (VOLCAT/CIMMS)
- Lightning alerts
- PIREPs



Thank you! 🤶

