

MT AGUNG ACTIVITY REPORT

Date: 10-12-2017 09:00 WITA from Gaia-Oasis Tejakula.

SITUATION AT GAIA-OASIS

Visually, the air is clear. No smoke or ash has been seen or smelt. No noise or quakes from Mt Agung have been felt or reported.

Paper tests carried out at various locations in Gaia show no volcanic ash.

We feel blessed as although the wind was blowing west-northwest for some hours, despite 9 small eruptions in 30 hours, we still have no ash.

SITUATION AT AIRPORT

Bali Airport is open and all facilities are 100% available and running.

There were several small eruptions yesterday & this morning; see below.

The VONA (Volcano Observatory Notice for Aviation) is unchanged at ORANGE.

The Darwin VAAC (Volcanic Ash Advisory Centre) has issued an updated advisory; ash is expected to dissipate in a few hours.

SITUATION AT MT AGUNG

Volcano is estimated to be in a critical phase.

Yesterday, 8 eruptions at amplitude 25 mm, occurred between 00:00 and 12:00 WITA 9 Dec 2017

This morning, 1 eruption at amplitude 25 mm, occurred between 00:00 and 06:00 WITA 10 Dec 2017

The eruptions generated smoke columns with volcanic material, achieving heights of 2000m above the summit

Eruptions are characterized by new magma brought to the surface, fragmented and broken up by the eruption.

39 volcanic gusts (“hembusan”) were recorded, with smoke attaining heights of 2000m.

“Gusts” are dominated by gas, and may contain ash without new magma fragments; the ash tends to fall near the peak.

Continuous microtremor recorded with amplitude 1-8 mm (dominant 1-3 mm)

34 low frequency quakes, 10 volcanic quakes and 1 tectonic quakes were recorded, indicating continued magma movement to the surface.

Eruption continues to be more 'effusive'; lava continues to accumulate slowly in the crater, and may overspill in the coming weeks.

Satellite observations show the new lava dome is increasing but not linear; rather it is expanding in the centre.

Volcanic glow was observed last night above the crater peak.

Accretionary lapilli (ash shaped as pearls, but smaller) has been reported in Ban Village in the Danger Zone.

This accretion of ash is sufficient to make a sound like rain falling on the zinc roofs.

Wind forecast from southwest at 15 knots (3000 feet), at 10 knots (5000 feet), and from southeast at 5-15 knots (18.000 feet).

Wind at height is expected to be moving North-Northwest-West for the next few days.

Current eruptions have not exceeded VEI 2 (volcanic eruptive index 2), however government models are allowing for a VEI 3.

The longer the dormant period (currently 50 years), the stronger the expected eruption. The last eruption was at VEI 5, after 120 years.

The scale is logarithmic viz. a VEI 2 is 10 times smaller than a VEI 3, and so on. VEI 3 is 100 times weaker than VEI 5.

The largest volcanic eruptions in recorded human history are VEI 7, occurring in cycles of 10.000+ years.

Yellowstone National Park was formed and sits atop a volcano estimated to erupt every 600.000 – 700.000 years at VEI 8.

OTHER:

Current figures show 70.099 refugees spread in 236 camps in 9 regencies throughout Bali.

Approximately 10% are children 0-5 years, about 20% are elderly or frail.

An estimated 17.201 people have yet to move from the Danger Zones I, II, III within the 10km area.

Refugees are learning gamelan, weaving and making items for sale to fill their time in the camps.

Many continue to trade outside the camps.

Women selling offerings are still coming to Besakih Temple, in the 6 km zone, with their children in tow. They return to the camps in the evening.

The Basarnas and Police are patrolling the temple; they allow traders, visitors and devotees to enter.



4 year old children playing with sand at Besakih Temple while their mother sells offerings

Vets, animal lovers and trail bikers continue to evacuate dogs, cats, rabbits, porcupines, monkeys and cocks from the Danger Zones, to animal shelters.

They bring in 200-300 kg of food each time they enter the Danger Zone, for animals they cannot evacuate.

PLEASE ACCEPT OUR GRATITUDE :

Gaia-Oasis has several groups on standby, who are committed to coming to Bali to support the island and her people should conditions allow.

Our Founder, Sabine and our Foundation Board, Saicho and Dana, have been and are staying at Gaia; our PT and EV Directors will be here shortly.

We will never ask our groups and guests to take any untoward risks, or expose anyone to situations that will threaten health and life.

We thank you for your incredible support and generosity in standing by us;

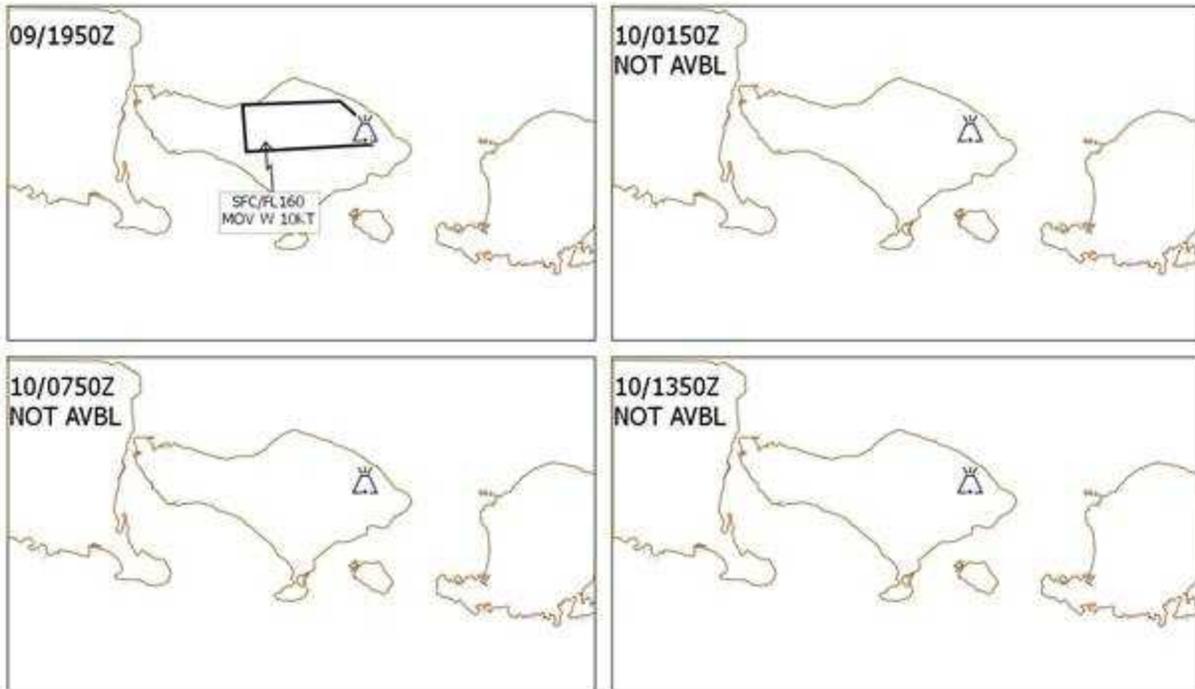
We are working to pass it on and pay it forward via our work in Bali.

Thank you, thank you, thank you.

Om Santi Santi Santi Om

Yen and the Gaia Team

Revised VAAC Advisory



VOLCANIC ASH ADVISORY

DTG:	201712091950Z	ADVISORY NR:	2017/2
VAAC:	DARWIN	INFO SOURCE:	WEBCAM, CVGMM
VOLCANO:	AGUNG 264029	AVIATION COLOUR CODE:	ORANGE
PSR:	50823 E1530	ERUPTION DETAILS:	DISCRETE MINOR ERUPTIONS TO FL160 MOV W.
AREA:	INDONESIA	RMK:	SMALL INTERMITTENT DISCRETE VA ERUPTIONS OCCURRING REGULARLY CONFIRMED BY GROUND OBSERVER, OBSERVED ON WEBCAM UP TO FL160
SUMMIT	3140M		AND DISCERNIBLE ON SAT IMAGERY MOV W. VA EXPECTED TO DISSIPATE WITHIN A FEW HOURS.
ELEV:		HGT ADVISORY:	NO LATER THAN 201712091350Z