

The New Zealand Volcanic Alert Level (VAL) System

ICAO Aviation Volcano Colour Code

ICAO Colour code	Status of activity of volcano
GREEN	Volcano is in normal, non-eruptive state. <i>or, after a change from a higher alert level</i> : Volcanic activity considered to have ceased, and volcano reverted to its normal, non-eruptive state.
YELLOW	Volcano is experiencing signs of elevated unrest above known background levels. or, after a change from higher alert level: Volcanic activity has decreased significantly but continues to be closely monitored for possible renewed increase.
ORANGE	Volcano is exhibiting heightened unrest with increased likelihood of eruption <i>or,</i> Volcanic eruption is underway with no or minor ash emission [specify ash-plume height if possible].
RED	Eruption is forecasted to be imminent with significant emission of ash into the atmosphere likely. or, Eruption is underway with significant emission of ash into the atmosphere [specify ash-plume height if possible].

Volcanic Alert Level	Radius from Vent (nm)	Upper Limit		
RUAPEHU Volcanic Hazard Zone (NZV 314)				
0	3	12,200ft AMSL		
1	3	12,200ft AMSL		
2	8	FL 150		
3	16	FL 330		
4	27	FL 480		
5	50	FL660		
NGAURUHOE_Volcanic Hazard Zone (NZV 313)				
0	3	10,500ft AMSL		
1	3	10,500ft AMSL		
2	8	FL 150		
3	16	FL 330		
4	27	FL 480		
5	50	FL660		
TONGARIRO_Volcanic Hazard Zone (NZV 312)				
0	3	9,500ft AMSL		
1	3	9,500ft AMSL		
2	8	FL 150		
3	16	FL 330		
4	27	FL 480		
5 50 FL660				
WHITE ISLAND Volcanic Hazard Zone (NZV 215)				
0 1	3 3	4,500ft AMSL		
2	5	4,500ft AMSL FL 150		
3	16	FL 130		
4	27	FL 330		
5	50	FL660		
RAOUL ISLAND Volcanic Hazard Zone (NZV 010)				
0	3	4,500ft AMSL		
1	3	4,500ft AMSL		
2	8	FL 150		
3	16	FL 330		
4	27	FL 480		
5	50	FL660		
ANY OTHER NZ VOLCANO Volcanic Hazard Zone (NZVxxx)				
0	3	3,000 ft above top of vent		
1	3	3,000 ft above top of vent		
2	8	FL 150		
3	16	FL 330		
4	27	FL 480		
5	50	FL660		

Volcanic Hazard Zones for Each Volcanic Alert Level