



Changes to the Initial VA SIGMET

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Wellington VAAC

'Initial' VA SIGMET for the NZCC FIR

Example: Whakaari – White Island, 2 September 2021 7:10am



Left and right: webcam imagery (source: GNS) Middle: H-8 True Colour Satellite Imagery (Source: JMA)

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WVNZ21 NZKL 132156  
NZCC SIGMET 1 VALID 132157/140357 NZKL-  
NZCC NEW ZEALAND FIR VA ERUPTION MT WHAKAARI - WHITE ISLAND PSN  
S3731 E17711 VA CLD OBS AT 1910Z MORE INFORMATION TO FOLLOW=
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WVNZ21 NZKL 132159  
NZCC SIGMET 1 VALID 132217/140417 NZKL-  
NZCC NEW ZEALAND FIR VA ERUPTION MT WHAKAARI - WHITE ISLAND PSN  
S3731 E17711 VA CLD OBS AT 1910Z NW OF S3731 E17711 SFC/FL050=
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'Initial' VA SIGMET for the NZCC FIR

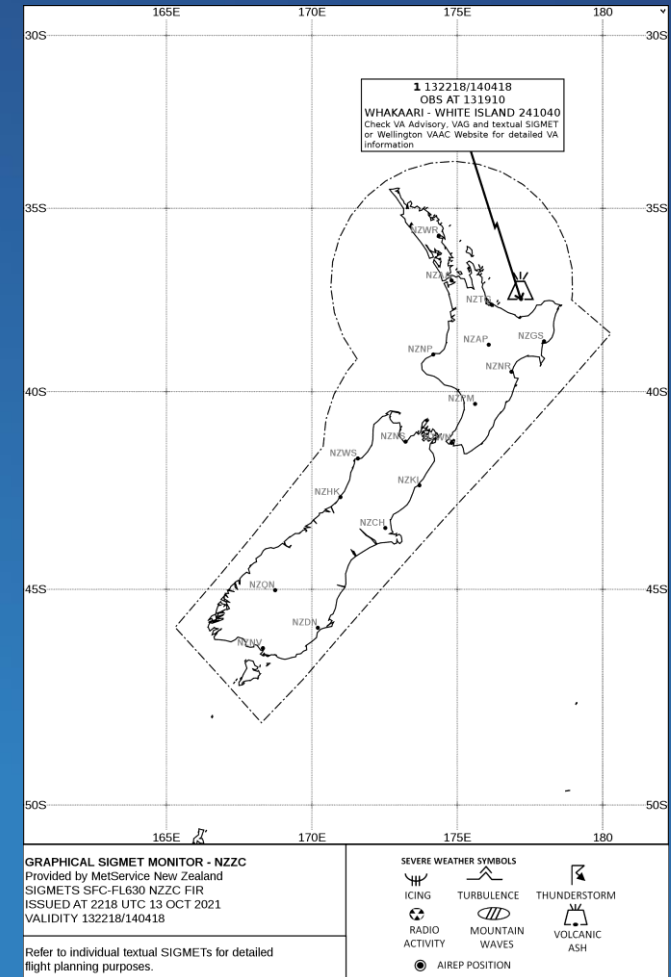
Examples of different version of the 'Initial' VA SIGMET:

- Basic 'initial' VA SIGMET

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WVNZ21 NZKL 132232  
NZZC SIGMET 2 VALID 132233/140433 NZKL-  
NZZC NEW ZEALAND FIR VA ERUPTION MT WHAKAARI - WHITE ISLAND PSN  
S3731 E17711 VA CLD OBS AT 1910Z S3731 E17711=
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- If possible, could include information on direction of plume from volcano AND/OR estimate of height

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WVNZ21 NZKL 132159  
NZZC SIGMET 1 VALID 132217/140417 NZKL-  
NZZC NEW ZEALAND FIR VA ERUPTION MT WHAKAARI - WHITE ISLAND PSN  
S3731 E17711 VA CLD OBS AT 1910Z NW OF S3731 E17711 SFC/FL050=
```



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'Initial' VA SIGMET for NZCC FIR

Forecaster Workflow/KPI in for a VA event in the NZCC FIR



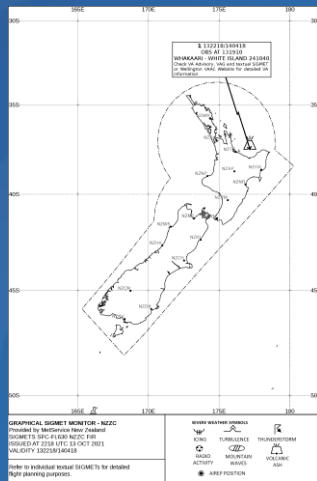
VA confirmation
+ 5 mins

VA confirmation
+ 10 mins

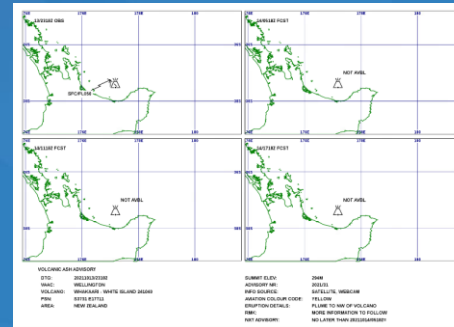
VA confirmation
+ 30 mins

VA confirmation
+ 35 mins

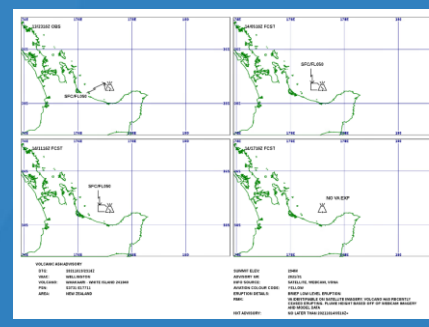
WVNZ21 NZKL 132159
NZCC SIGMET 1 VALID 132218/140418 NZKL-
NZCC NEW ZEALAND FIR VA ERUPTION MT WHAKAARI - WHITE ISLAND PSN
S3731 E17711 VA CLD OBS AT 1910Z NW OF S3731 E17711 SFC/FL050=



FVPS02 NZKL 132310
VA ADVISORY
DTG: 20211013/2310Z
VAAC: WELLINGTON
VOLCANO: WHAKAARI - WHITE ISLAND 241040
PSN: S3731 E17711
AREA: NEW ZEALAND
SUMMIT ELEV: 294M
ADVISORY NR: 2021/31
INFO SOURCE: SATELLITE, WEBCAM
AVIATION COLOUR CODE: YELLOW
ERUPTION DETAILS: PLUME TO NW OF VOLCANO
OBS VA DTG: 13/2310Z
OBS VA CLD: SFC/FL050 S3730 E17715 - S3730 E17700 - S3715
E17700 MOV NW 15KT
FCST VA CLD +6 HR: 14/0510Z NOT AVBL
FCST VA CLD +12 HR: 14/1110Z NOT AVBL
FCST VA CLD +18 HR: 14/1710Z NOT AVBL
RMK: MORE INFORMATION TO FOLLOW SHORTLY
NXT ADVISORY: NO LATER THAN 20211014/0510Z=



FVPS02 NZKL 132315
VA ADVISORY
DTG: 20211013/2315Z
VAAC: WELLINGTON
VOLCANO: WHAKAARI - WHITE ISLAND 241040
PSN: S3731 E17711
AREA: NEW ZEALAND
SUMMIT ELEV: 294M
ADVISORY NR: 2021/31
INFO SOURCE: SATELLITE, WEBCAM, VONA
AVIATION COLOUR CODE: YELLOW
ERUPTION DETAILS: BRIEF LOW LEVEL ERUPTION
OBS VA DTG: 13/2315Z
OBS VA CLD: SFC/FL050 S3730 E17715 - S3730 E17700 - S3715
E17700 MOV NW 15KT
FCST VA CLD +6 HR: 14/0515Z SFC/FL050 S3730 E17715 - S3730
E17645 - S3715 E17645 - S3715 E17700
FCST VA CLD +12 HR: 14/1115Z SFC/FL050 S3730 E17715 - S3730
E17645 - S3715 E17645 - S3715 E17700
FCST VA CLD +18 HR: 14/1715Z NO VA EXP
RMK: VA IDENTIFIABLE ON SATELLITE IMAGERY. VOLCANO HAS
RECENTLY CEASED ERUPTING. PLUME HEIGHT BASED OFF OF WEBCAM
IMAGERY AND MODEL DATA
NXT ADVISORY: NO LATER THAN 20211014/0515Z=



WVNZ21 NZKL 132320
NZCC SIGMET 2 VALID 132324/140524 NZKL-
NZCC NEW ZEALAND FIR MT WHAKAARI - WHITE ISLAND PSN S3731 E17711 VA
CLD OBS AT 2319Z WI S3730 E17715 - S3730 E17700 - S3715 E17700 -
S3730 E17715 SFC/FL050 FCST AT 0524Z WI S3730 E17715 - S3730 E17645
- S3715 E17645 - S3715 E17700 - S3730 E17715=

