



ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

Organismo especializado de las Naciones Unidas

**Proyecto Regional RLA/06/901 –
Taller SIGMET / RLA/06/901 Regional Project - SIGMET
Workshop**

(Lima, Peru. 16 - 18 de Agosto / August 2016)

**SIGMET por Cenizas Volcánicas
Utilización VAA-VAG para la confección SIGMET
VAAC Buenos Aires - Republica Argentina**



Gabriel Oscar Damiani





ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

Organismo especializado de las Naciones Unidas

El Mensaje VAA

- Los VACC expedirán avisos de cenizas volcánicas en lenguaje claro abreviado (**VAA**), utilizando las abreviaturas aprobadas de la **OACI** y valores numéricos de explicación obvia, de acuerdo a la plantilla presentada en la **Tabla A2-1 del Anexo 3 de la OACI**. La misma información se presentará gráficamente (**VAG**), en formato PNG (portable network graphics)





ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL
Organismo especializado de las Naciones Unidas

El Mensaje VAA

FVAG01 SABM 262145

VA ADVISORY

DTG: 20150226/2145Z

VAAC: BUENOS AIRES

VOLCANO: CORDON CAULLE 357150

PSN: S4035 W07212

AREA: CHILE

SUMMIT ELEV: 2236M

ADVISORY NR: 2015/01

INFO SOURCE: ARS-GOES 13

AVIATION COLOUR CODE: GREEN

ERUPTION DETAILS: NO VA DETECTED

OBS VA DTG: 26/2038Z

OBS VA CLD: VA NOT IDENTIFIABLE FROM SATELLITE DATA.

FCST VA CLD +06HR: 27/0238Z NO VA EXP

FCST VA CLD +12HR: 27/0838Z NO VA EXP

FCST VA CLD +18HR: 27/1438Z NO VA EXP

RMK: ALTHOUGH A PILOT REPORTED VA AT 1549Z, EMISSIONS WERE CAUSED BY A WILD FIRE NEAR OF VOLCANO.

NXT ADVISORY: NO FURTHER ADVISORIES





ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

Organismo especializado de las Naciones Unidas

Mensajes VAA-VAG

FVAG01 SABM 121230

VA ADVISORY

DTG: 20141012/1230Z

VAAC: BUENOS AIRES

VOLCANO: COPAHUE 357090

PSN: S3751 W07110

AREA: ARGENTINA-CHILE

SUMMIT ELEV: 2997M

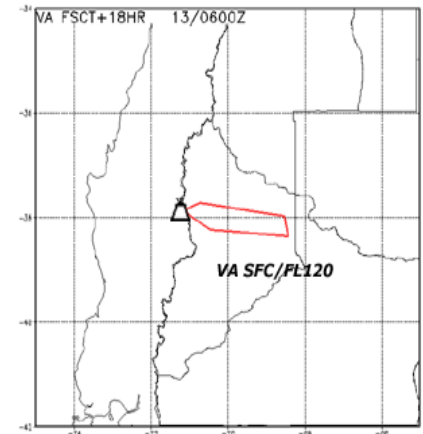
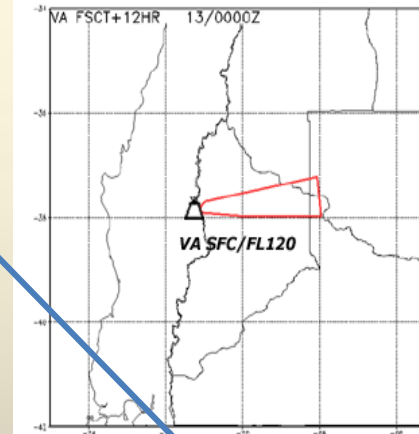
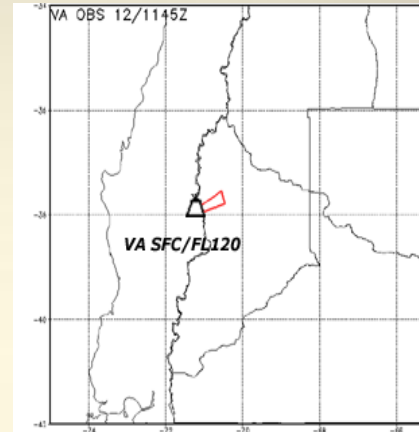
ADVISORY NR: 2014/008

INFO SOURCE: GOES 13 - WEB CAM

AVIATION COLOUR CODE: ORANGE

ERUPTION DETAILS: EMISSION AT 12/1200Z

OBS VA DTG: 12/1145Z



VA ADVISORY
DTG: 20141012/1230Z
VAAC: BUENOS AIRES
VOLCANO: COPAHUE 357090
PSN: S3751 W07110
AREA: ARGENTINA-CHILE

SSUMMIT ELEV: 2997M
ADVISORY NR: 2014/008
INFO SOURCE: GOES 13 - WEB CAM
AVIATION COLOUR CODE: ORANGE
ERUPTION DETAILS: EMISSION AT 12/1200Z
OBS VA DTG: 12/1145Z

RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF ASH MVG NE FROM SUMMIT.

NXT ADVISORY: WILL BE ISSUED BY 20141012/1830Z



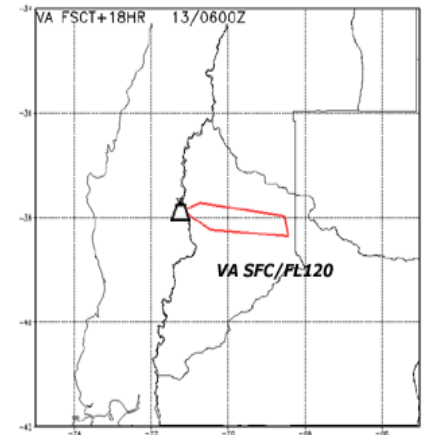
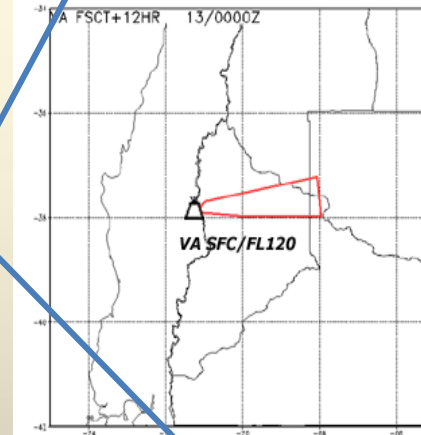
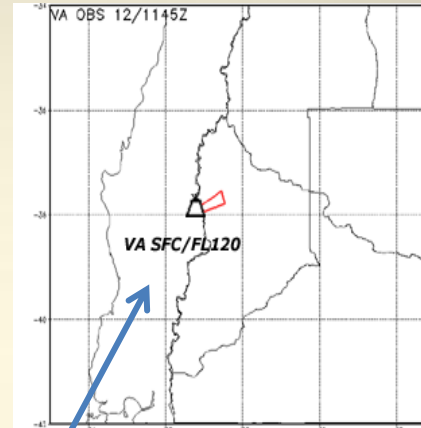


ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

Organismo especializado de las Naciones Unidas

Mensajes VAA-VAG

FVAG01 SABM 121230
VA ADVISORY
DTG: 20141012/1230Z
VAAC: BUENOS AIRES
VOLCANO: COPAHUE 357090
PSN: S3751 W07110
AREA: ARGENTINA-CHILE
SUMMIT ELEV: 2997M
ADVISORY NR: 2014/008
INFO SOURCE: GOES 13 - WEB CAM
AVIATION COLOUR CODE: ORANGE
ERUPTION DETAILS: EMISSION AT 12/1200Z
OBS VA DTG: 12/1145Z
OBS VA CLD: SFC/FL120 S3785 W07117 - S3732 W07032 -
S3746 W07027 - S3755 W07058 - S3785 W07117 MOV NE
25KT



VA ADVISORY
DTG: 20141012/1230Z
VAAC: BUENOS AIRES
VOLCANO: COPAHUE 357090
PSN: S3751 W07110
AREA: ARGENTINA-CHILE

SSUMMIT ELEV: 2997M
ADVISORY NR: 2014/008
INFO SOURCE: GOES 13 - WEB CAM
AVIATION COLOUR CODE: ORANGE
ERUPTION DETAILS: EMISSION AT 12/1200Z
OBS VA DTG: 12/1145Z

RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF
ASH MVG NE FROM SUMMIT.

NXT ADVISORY: WILL BE ISSUED BY 20141012/1830Z





Mensajes VAA-VAG

FVAG01 SABM 121230

VA ADVISORY

DTG: 20141012/1230Z

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PSN: S3751 W07110

AREA: ARGENTINA-CHILE

SUMMIT ELEV: 2997M

ADVISORY NR: 2014/008

INFO SOURCE: GOES 13 - WEB CAM

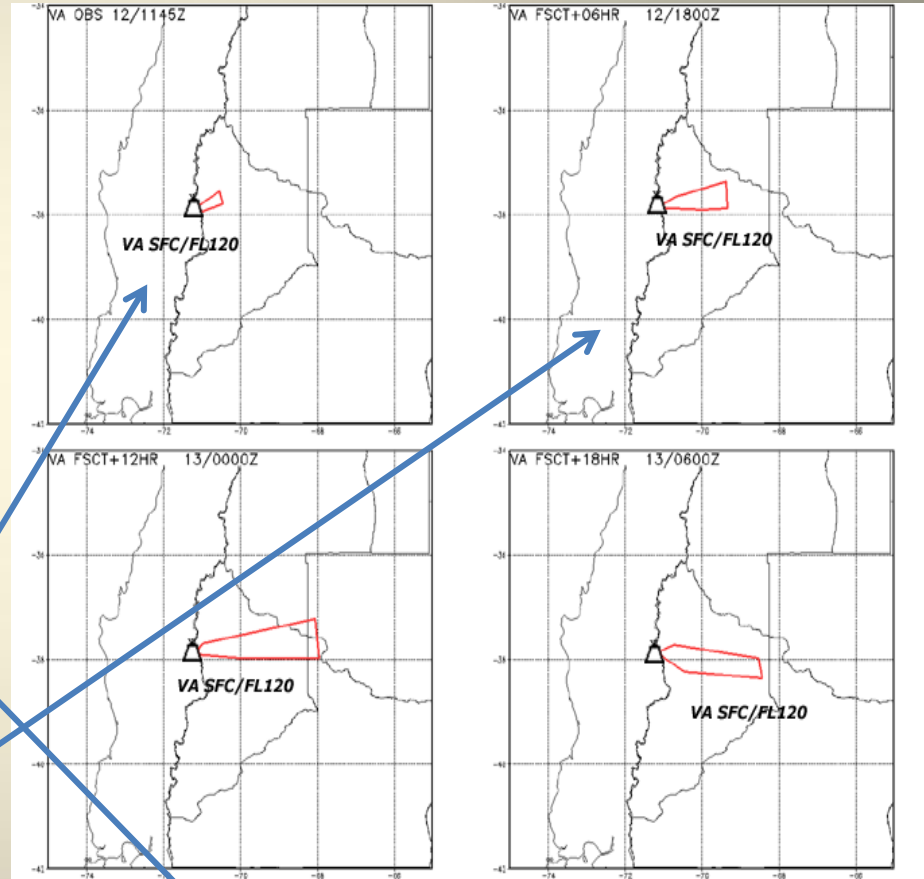
AVIATION COLOUR CODE: ORANGE

ERUPTION DETAILS: EMISSION AT 12/1200Z

OBS VA DTG: 12/1145Z

**OBS VA CLD: SFC/FL120 S3785 W07117 - S3732 W07032 -
S3746 W07027 - S3755 W07058 - S3785 W07117 MOV NE
25KT**

**FCST VA CLD +06HR: 12/1800Z SFC/FL120 S3785 W07117 -
S3739 W07042 - S3721 W06922 - S3752 W06920 - S3754
W06959 - S3785 W07117**



VA ADVISORY
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ADVISORY NR: 2014/008
INFO SOURCE: GOES 13 - WEB CAM
AVIATION COLOUR CODE: ORANGE
ERUPTION DETAILS: EMISSION AT 12/1200Z
OBS VA DTG: 12/1145Z

RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF
ASH MVG NE FROM SUMMIT.
NXT ADVISORY: WILL BE ISSUED BY 20141012/1830Z

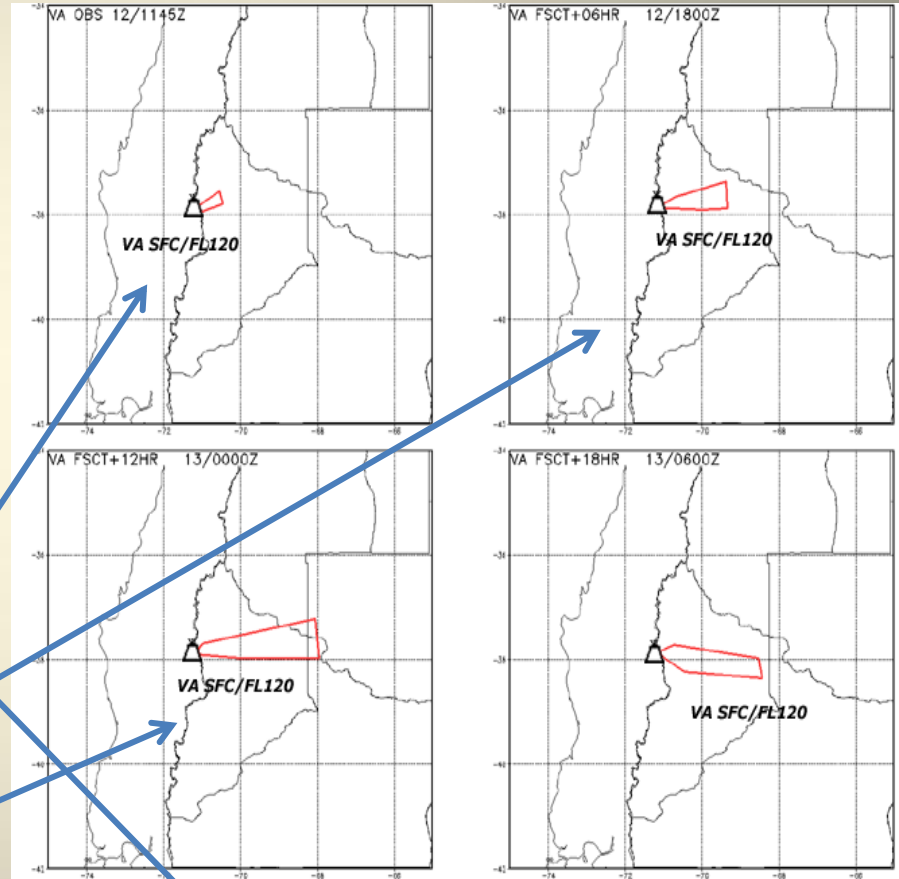




Mensajes VAA-VAG

FVAG01 SABM 121230
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 AREA: ARGENTINA-CHILE
 SUMMIT ELEV: 2997M
 ADVISORY NR: 2014/008
 INFO SOURCE: GOES 13 - WEB CAM
 AVIATION COLOUR CODE: ORANGE
 ERUPTION DETAILS: EMISSION AT 12/1200Z
 OBS VA DTG: 12/1145Z

OBS VA CLD: SFC/FL120 S3785 W07117 - S3732 W07032 -
 S3746 W07027 - S3755 W07058 - S3785 W07117 MOV NE
 25KT
 FCST VA CLD +06HR: 12/1800Z SFC/FL120 S3785 W07117 -
 S3739 W07042 - S3721 W06922 - S3752 W06920 - S3754
 W06959 - S3785 W07117
 FCST VA CLD +12HR: 13/0000Z SFC/FL120 S3785 W07117 -
 S3741 W07058 - S3713 W06803 - S3758 W06757 - S3758
 W07000 - S3785 W07117



VA ADVISORY
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 ADVISORY NR: 2014/008
 INFO SOURCE: GOES 13 - WEB CAM
 AVIATION COLOUR CODE: ORANGE
 ERUPTION DETAILS: EMISSION AT 12/1200Z
 OBS VA DTG: 12/1145Z

RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF
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PSN: S3751 W07110

AREA: ARGENTINA-CHILE

SUMMIT ELEV: 2997M

ADVISORY NR: 2014/008

INFO SOURCE: GOES 13 - WEB CAM

AVIATION COLOUR CODE: ORANGE

ERUPTION DETAILS: EMISSION AT 12/1200Z

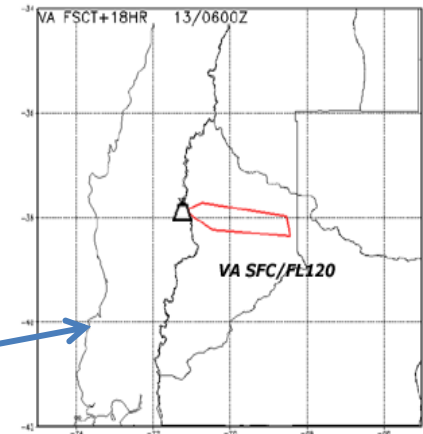
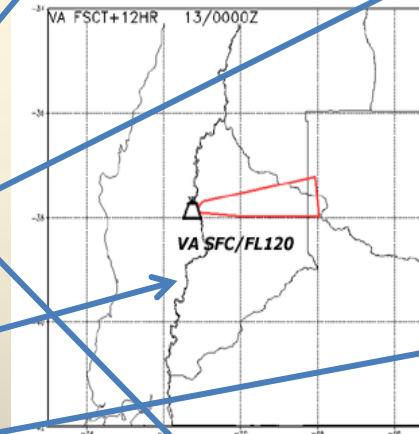
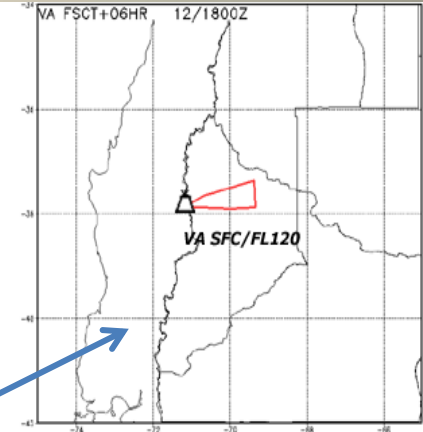
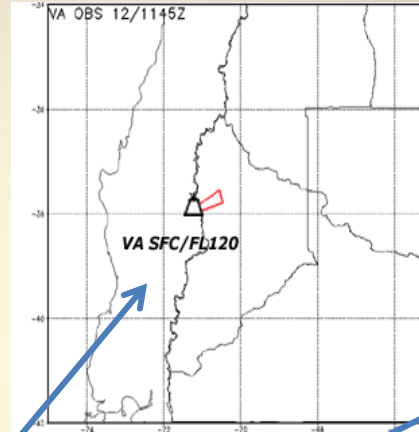
OBS VA DTG: 12/1145Z

OBS VA CLD: SFC/FL120 S3785 W07117 - S3732 W07032 - S3746 W07027 - S3755 W07058 - S3785 W07117 MOV NE 25KT

FCST VA CLD +06HR: 12/1800Z SFC/FL120 S3785 W07117 - S3739 W07042 - S3721 W06922 - S3752 W06920 - S3754 W06959 - S3785 W07117

FCST VA CLD +12HR: 13/0000Z SFC/FL120 S3785 W07117 - S3741 W07058 - S3713 W06803 - S3758 W06757 - S3758 W07000 - S3785 W07117

FCST VA CLD +18HR: 13/0600Z SFC/FL120 S3785 W07117 - S3743 W07043 - S3758 W06831 - S3821 W06826 - S3813 W07027 - S3785 W07117



VA ADVISORY
DTG: 20141012/1230Z
VAAC: BUENOS AIRES
VOLCANO: COPAHUE 357090
PSN: S3751 W07110
AREA: ARGENTINA-CHILE

SSUMMIT ELEV: 2997M
ADVISORY NR: 2014/008
INFO SOURCE: GOES 13 - WEB CAM
AVIATION COLOUR CODE: ORANGE
ERUPTION DETAILS: EMISSION AT 12/1200Z
OBS VA DTG: 12/1145Z

RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF ASH MVG NE FROM SUMMIT.
NXT ADVISORY: WILL BE ISSUED BY 20141012/1830Z





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DTG: 20141012/1230Z

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PSN: S3751 W07110

AREA: ARGENTINA-CHILE

SUMMIT ELEV: 2997M

ADVISORY NR: 2014/008

INFO SOURCE: GOES 13 - WEB CAM

AVIATION COLOUR CODE: ORANGE

ERUPTION DETAILS: EMISSION AT 12/1200Z

OBS VA DTG: 12/1145Z

OBS VA CLD: SFC/FL120 S3785 W07117 - S3732 W07032 - S3746 W07027 - S3755 W07058 - S3785 W07117 MOV NE 25KT

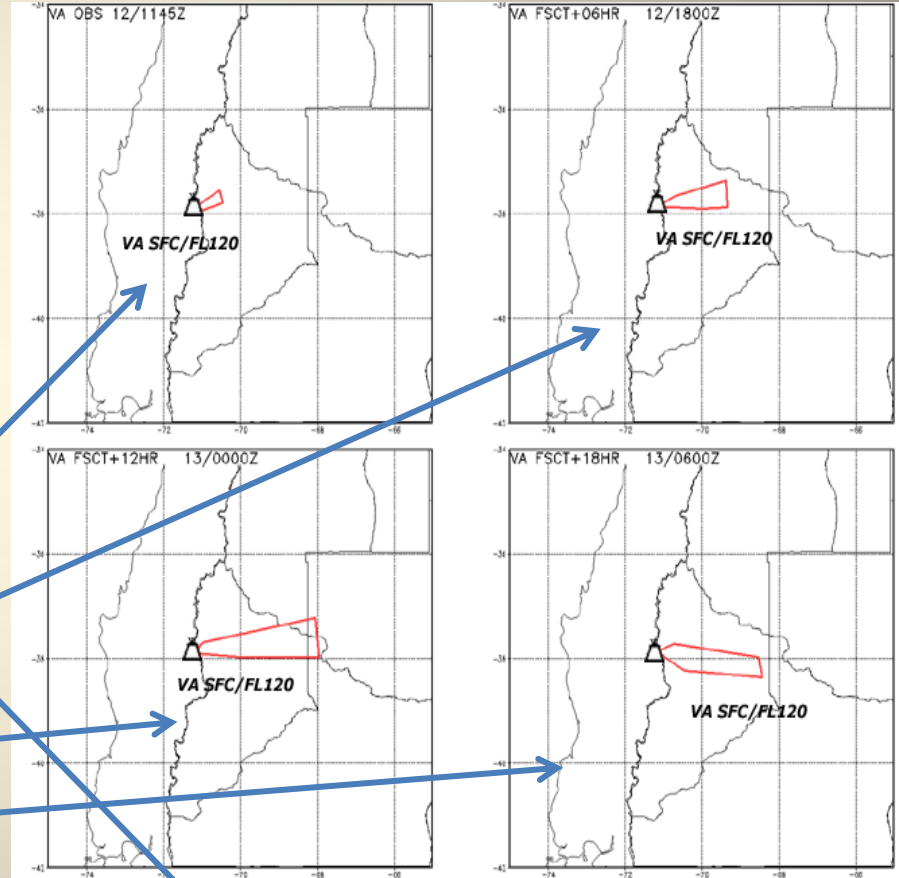
FCST VA CLD +06HR: 12/1800Z SFC/FL120 S3785 W07117 - S3739 W07042 - S3721 W06922 - S3752 W06920 - S3754 W06959 - S3785 W07117

FCST VA CLD +12HR: 13/0000Z SFC/FL120 S3785 W07117 - S3741 W07058 - S3713 W06803 - S3758 W06757 - S3758 W07000 - S3785 W07117

FCST VA CLD +18HR: 13/0600Z SFC/FL120 S3785 W07117 - S3743 W07043 - S3758 W06831 - S3821 W06826 - S3813 W07027 - S3785 W07117

RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF ASH MVG NE FROM SUMMIT.

NXT ADVISORY: WILL BE ISSUED BY 20141012/1830Z



VA ADVISORY
 DTG: 20141012/1230Z
 VAAC: BUENOS AIRES
 VOLCANO: COPAHUE 357090
 PSN: S3751 W07110
 AREA: ARGENTINA-CHILE

SSUMMIT ELEV: 2997M
 ADVISORY NR: 2014/008
 INFO SOURCE: GOES 13 - WEB CAM
 AVIATION COLOUR CODE: ORANGE
 ERUPTION DETAILS: EMISSION AT 12/1200Z
 OBS VA DTG: 12/1145Z

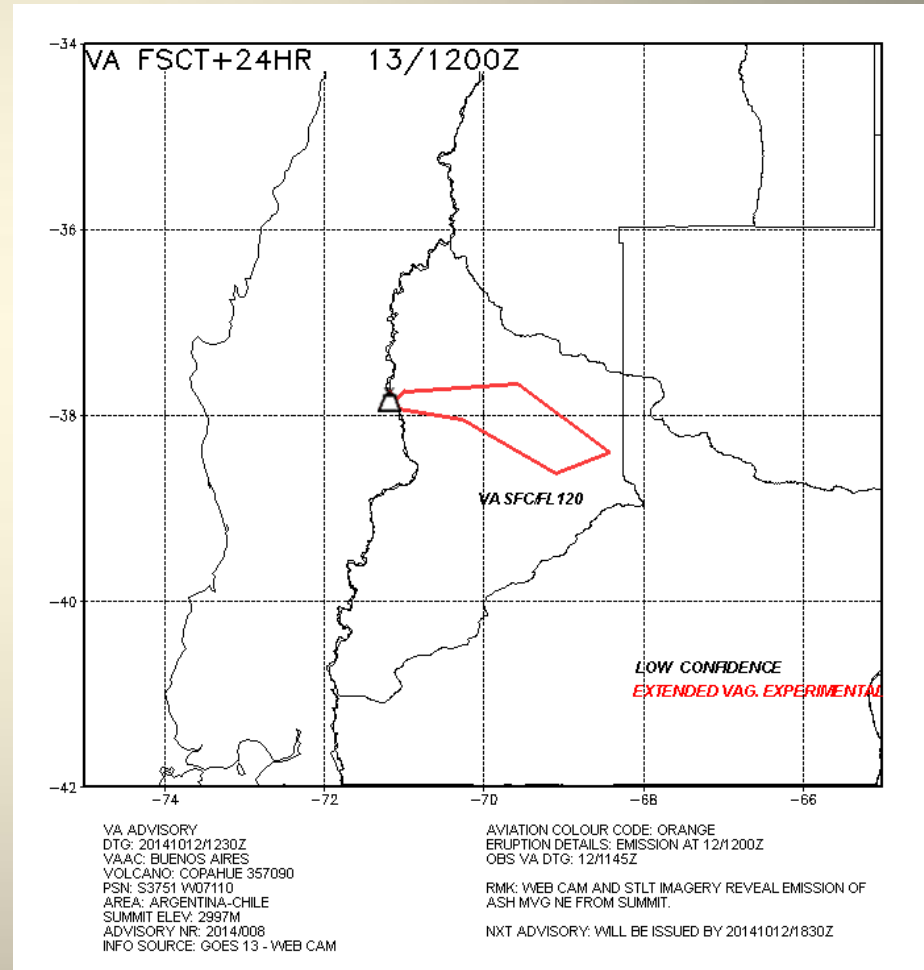
RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF ASH MVG NE FROM SUMMIT.
 NXT ADVISORY: WILL BE ISSUED BY 20141012/1830Z





Mensajes VAA-VAG T+24

FVAG01 SABM 121230
 VA ADVISORY
 DTG: 20141012/1230Z
 VAAC: BUENOS AIRES
 VOLCANO: COPAHUE 357090
 PSN: S3751 W07110
 AREA: ARGENTINA-CHILE
 SUMMIT ELEV: 2997M
 ADVISORY NR: 2014/008
 INFO SOURCE: GOES 13 - WEB CAM
 AVIATION COLOUR CODE: ORANGE
 ERUPTION DETAILS: EMISSION AT 12/1200Z
 OBS VA DTG: 12/1145Z
 OBS VA CLD: SFC/FL120 S3785 W07117 - S3732 W07032 -
 S3746 W07027 - S3755 W07058 - S3785 W07117 MOV NE
 25KT
 FCST VA CLD +06HR: 12/1800Z SFC/FL120 S3785 W07117 -
 S3739 W07042 - S3721 W06922 - S3752 W06920 - S3754
 W06959 - S3785 W07117
 FCST VA CLD +12HR: 13/0000Z SFC/FL120 S3785 W07117 -
 S3741 W07058 - S3713 W06803 - S3758 W06757 - S3758
 W07000 - S3785 W07117
 FCST VA CLD +18HR: 13/0600Z SFC/FL120 S3785 W07117 -
 S3743 W07043 - S3758 W06831 - S3821 W06826 - S3813
 W07027 - S3785 W07117
 RMK: WEB CAM AND STLT IMAGERY REVEAL EMISSION OF
 ASH MVG NE FROM SUMMIT.
 NXT ADVISORY: WILL BE ISSUED BY 20141012/1830Z





ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

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Nivel de Confianza T+0 (Experimental)

A partir del 1 de Agosto de 2016, el VAAC Buenos Aires incluye en la sección RMK de los VAA/VAG, el nivel de confianza en la observación T+0, en forma experimental. Esto se ajusta a las regulaciones OACI y esta destinado a constituir una útil herramienta para los operadores aéreos, pilotos y despachantes al momento de realizar sus procesos de evaluación de riesgos en la planificación de las operaciones.

Ejemplo:

RMK: T+0 CONFIDENCE LOW / HIGH

**WEB CAM AND STLT IMAGERY REVEAL EMISSION OF
ASH MVG NE FM SUMMIT.**

NXT ADVISORY: WILL BE ISSUED BY 20160802/1830Z





ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

Organismo especializado de las Naciones Unidas

VAA-VAG con asesoramiento ARS ➔ SIGMET

UAPR01 SPIM 131929 ARS PVN 235S1547 W07151
1920Z OBS VA MT SABANCAYA TOP FL200 MOV E=



WVPR31 SPIM 131931 SPIM SIGMET 3 VALID
131932/140132 SPIM- SPIM LIMA FIR VA
ERUPTION MT SABANCAYA PSN S1547 W07151
VA CLD OBS AT 1920Z TOP FL200 MOV E=



FVAG01 SABM 132000
VA ADVISORY
DTG: 20160713/2000Z
VAAC: BUENOS AIRES
VOLCANO: SABANCAYA 354006
PSN: S1547 W07151
AREA: PERU
SUMMIT ELEV: 5967M
ADVISORY NR: 2016/030
INFO SOURCE: GOES13 - ARS/SIGMET - WEBCAM
AVIATION COLOUR CODE: YELLOW
ERUPTION DETAILS: VA REPORTED AT 13/1920Z
OBS VA DTG: 13/1938Z
OBS VA CLD: VA NOT IDENTIFIABLE FM SATELLITE
DATA WINDS FL180 320/05KT - FL210 310/10KT -
FL240 290/13KT
FCST VA CLD +06HR: 114/0138Z NO VA EXP
FCST VA CLD +12HR: 14/04738Z NO VA EXP
FCST VA CLD +18HR: 14/1338Z NO VA EXP
RMK: ALTHOUGH A PILOT REPORTED VA CLD OBS AT
1920 ZTOP FL200, THERE IS NO INDICATION IN
SATELLITE IMAGERY UNDER CLEAR SKIES. WEB CAM
REVEALS EMISSION OF WV AND GAS ES.
NXT ADVISORY: NO FURTHER ADVISORIES=





ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

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SIGMET con asesoramiento VAA-VAG

FVAG01 SABM 052100

VA ADVISORY

DTG: 20140705/2100Z

VAAC: BUENOS AIRES

VOLCANO: UBINAS 354020

PSN: S1621 W07054

AREA: PERU

SUMMIT ELEV: 5672M

ADVISORY NR: 2014/298

INFO SOURCE: GOES 13 - WEBCAM - SEISMIC
DETECTION

AVIATION COLOUR CODE: ORANGE

ERUPTION DETAILS: RESTART ERUPTION

OBS VA DTG: 05/2015Z

OBS VA CLD: SFC/FL200 S1621 W07054 S1621 - W07041 -
S1612 W07017 - S1619 W07013 - S1625 W07038 - S1621
W07054 S1621 MOV NE 25-30KT

FCST VA CLD +06HR: 06/0215Z SFC/FL200 S1621 - S1621
W07031 - S1612 W06958 - S1618 W06949 - S1627 W07028
W07054 - S1621 W07054

FCST VA CLD +12HR: 06/0815Z SFC/FL200 S1621 W07054
- S1617 W07027 - S1620 W07004 - S1614 W06925 - S1621
W06926 - S1626 W07004 - S1622 W07027 - S1621 W07054

FCST VA CLD +18HR: 06/1415Z SFC/FL200 S1621 W07054
- S1615 W07015 - S1620 W06938 - S1620 W06859 - S1628
W06854 - S1627 W06938 - S1621 W07015 - S1621 W07054

RMK: STLT IMAGE AND WEBCAM SHOW A NEW
ERUPTION REACHING FL200 MOV NE. SEISMIC ACTIVITY
PERSISTS AT LOW LEVELS FOR LAST HOURS.

NXT ADVISORY: WILL BE ISSUED BY 20140706/0300Z

OBS / FCST

WVPR31 SPIM 052128

SPIM SIGMET 01 VALID 052130/060330 SPIM-

SPIM LIMA FIR VA ERUPTION MT UBINAS PSN S1621 W07054

VA CLD OBS AT 05/2015Z SFC/FL200 WI S1621 W07054 - S1621
W07041 - S1612 W07017 - S1619 W07013 - S1625 W07038 - S1621
W07054 - S1621 W07054 MOV NE 25/30KT

FCST 06/0330Z VA CLD SFC/FL200 WI S1621 W07054 - S1621
W07031 - S1612 W06958 - S1618 W06949 - S1627 W07054 - S1621
W07054=





ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

Organismo especializado de las Naciones Unidas

SIGMET con asesoramiento VAA-VAG

FVAG01 SABM 060300

VA ADVISORY

DTG: 201407060300Z

VAAC: BUENOS AIRES

VOLCANO: UBINAS 354020

PSN: S1621 W07054

AREA: PERU

SUMMIT ELEV: 5672M

ADVISORY NR: 2014/299

INFO SOURCE: GOES 13 - WEBCAM - SEISMIC
DETECTION

AVIATION COLOUR CODE: ORANGE

ERUPTION DETAILS: THE ERUPTION HAS CEASED

OBS VA DTG: 06/0245Z

OBS VA CLD: SFC/FL200 SFC/FL200 S1621 - S1621
W07031 - S1612 W06958 - S1618 W06949 - S1627 W07028
W07054 - S1621 W07054 NE 20KT

FCST VA CLD +06HR: 06/0845Z NO VA EXP

FCST VA CLD +12HR: 06/1445Z NO VA EXP

FCST VA CLD +18HR: 06/2045Z NO VA EXP

RMK: WEB CAMERA AND STLT IMAGES SHOW THAT THE
ERUPTION ENDED AROUND 06/0130Z. SEISMIC ACTIVITY
PERSISTS AT LOW LEVELS FOR LAST HOURS.

NXT ADVISORY: WILL BE ISSUED BY 20140706/0900Z

OBS / FCST

WVPR31 SPIM 052128

SPIM SIGMET 02 VALID 060330/060930 SPIM-
SPIM LIMA FIR VA ERUPTION MT UBINAS PSN S1621 W07054
VA CLD OBS AT 06/0245Z SFC/FL200 WI S1621 - S1621 W07031 -
S1612 W06958 - S1618 W06949 - S1627 W07028 W07054 - S1621
W07054 NE 20KT
FCST 06/0930Z VA CLD NO VA EXP =





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SIGMET con asesoramiento VAA-VAG

FVAG01 SABM 060900

VA ADVISORY

DTG: 201407060900Z

VAAC: BUENOS AIRES

VOLCANO: UBINAS 354020

PSN: S1621 W07054

AREA: PERU

SUMMIT ELEV: 5672M

ADVISORY NR: 2014/300

INFO SOURCE: GOES 13 - WEBCAM - SEISMIC

DETECTION

AVIATION COLOUR CODE: ORANGE

ERUPTION DETAILS: THE ERUPTION HAS CEASED

OBS VA DTG: 06/0845Z

OBS VA CLD: VA NOT IDENTIFIABLE FM SATELLITE DATA

FCST VA CLD +06HR: 06/1445Z NO VA EXP

FCST VA CLD +12HR: 06/2045Z NO VA EXP

FCST VA CLD +18HR: 07/0245Z NO VA EXP

RMK: NO MORE ACTIVITY OR EMISSIONS WERE DETECTED OR REPORTED. SEISMIC ACTIVITY PERSISTS AT LOW LEVELS FOR LAST HOURS.

NXT ADVISORY: NO FURTHER ADVISORIES=

CANCELACIÓN

WVPR31 SPIM 052128

**SPIM SIGMET 03 VALID 060930/061030 SPIM-
SPIM LIMA FIR CNL SIGMET 2 VALID 060330/060930=**





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Taller SIGMET / RLA/06/901 Regional Project - SIGMET
Workshop**

(Lima, Peru. 16 - 18 de Agosto / August 2016)

**SIGMET por Cenizas Volcánicas
Utilización VAA-VAG para la confección SIGMET
VAAC Buenos Aires - Republica Argentina**



Gabriel Oscar Damiani

