

FWAV31 KGWC 191519
VOLCANIC ASH ERUPTION UPDATE

VOLCANO: EYJAFJOLL 1702-02

LOCATION: 6337N 01937W AREA: ICELAND

SUMMIT ELEVATION: 5466 FT (1666 M)

1. DETECTION SOURCE: DMSP F18 VIS IMAGERY, DMSP F-14 IMGAERY, MODIS TERRA VIS IMAGERY, AND NOAA-16 2 CHANNEL SPLIT IMAGERY. SIGMETS.

2. ERUPTION DETAILS: NEW ASH FROM CONTINUING ERUPTIONS AT EYJAFJOLL EXTENDS TO FL280. THE PLUME IS VISIBLE ON METSAT EXTENDING 200 MILES SOUTH OF THE SUMMIT, MOVING 70-80 KTS, BEFORE BEING PULLED WEST INTO A LOW PRESSURE SYSTEM LOCATED SOUTHEAST OF ICELAND. ASH IS DIFFICULT TO DISCERN AS IT MIXES IN WITH CLOUD COVER, BUT IT APPEARS THAT SOME ASH IS VISIBLE MOVING EAST TOWARDS THE SOUTHERN REGIONS OF SCANDINAVIA, AS IT GETS CAUGHT IN THE JET STREAM, WITH POSSIBLE HEIGHTS UP TO FL350. A SECONDARY PORTION OF ASH WILL FLOW TO THE SOUTHWEST, AROUND A HIGH PRESSURE SYSTEM, MOVING 25-40 KTS. RESIDUAL ASH OVER EUROPE IS DIFFICULT TO DETECT WITH CLOUD COVER, HOWEVER SATELLITE IMAGES OVER GERMANY ARE CLEAR ENOUGH TO DISCERN LARGE PORTIONS OF ASH OVER THE NORTHERN BORDER EXTENDING INTO CENTRAL GERMANY.

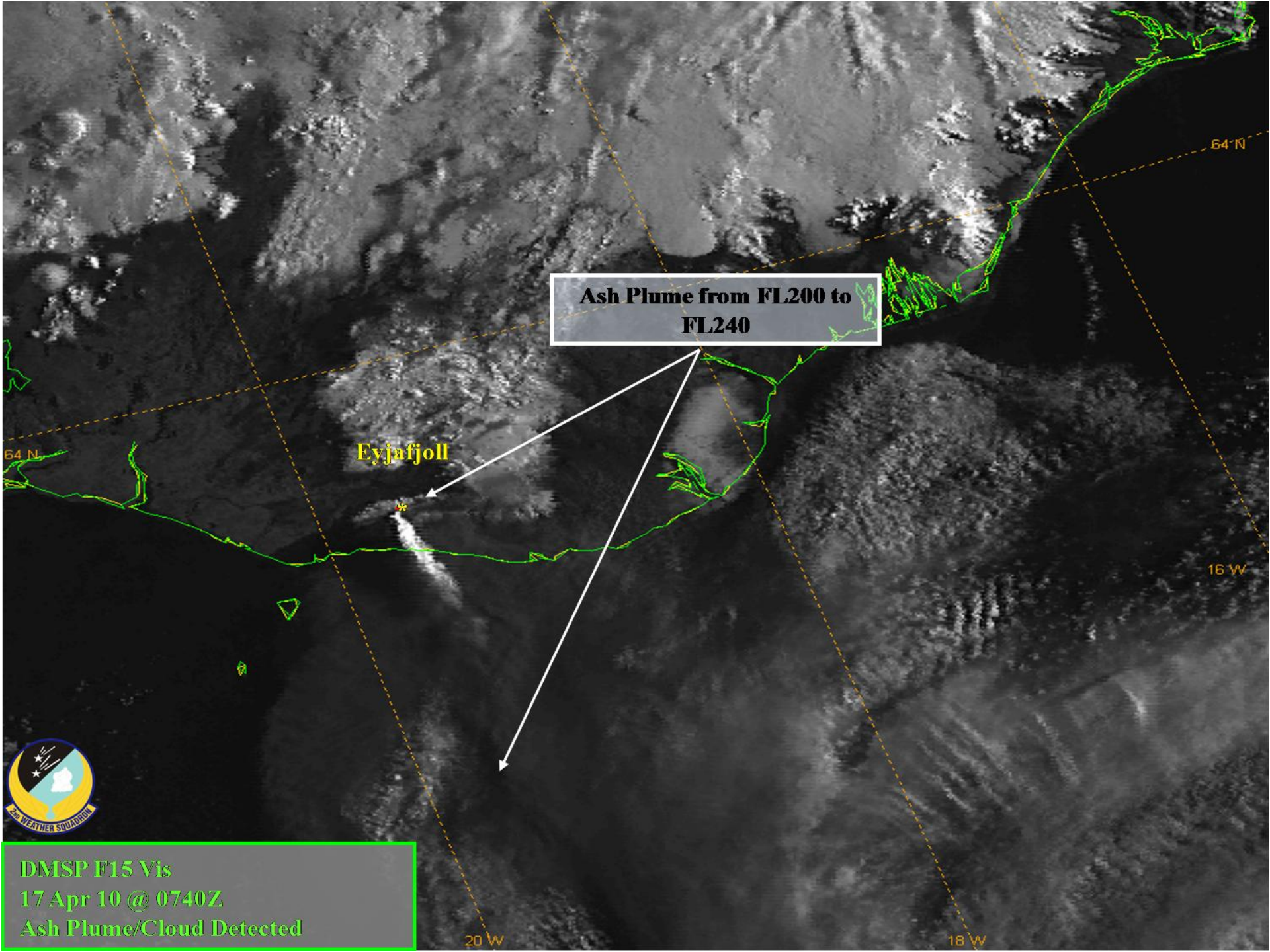
3. REMARKS: NEW ASH CAN BE SEEN ON 19/1001Z DMSP F-18 IMAGERY, NOAA-16 2 CHANNEL SPLIT IMAGERY, AND MODIS TERRA VIS IMAGERY FROM 19 APRIL 2010. EYJAFJOLL CONTINUES TO EXPEL NEW ASH UP TO FL220, OCCASIONALLY REACHING HEIGHTS UP TO FL280, OVER SOUTHERN ICELAND AND EXTENDING SOUTH 200 MILES. ASH IS ALSO DETECTED IN GERMANY ON DMSP F-14 VIS IMAGERY FROM 19/1328Z AND MODIS TERRA VIS IMAGERY FROM 19 APRIL 2010. ASH FROM THE PAST 24HRS IS BECOMING DIFFUSE AND DIFFICULT TO IDENTIFY ON SATELLITE; HOWEVER, USING ALL AVAILABLE RESOURCES, THE ASH IS MOVING TO THE SE OVER THE UNITED KINGDOM WHERE THE ROUTE OF ASH IS SPLIT INTO TWO DIRECTIONS. A PORTION OF THE ASH CONTINUES EASTWARD OVER THE SOUTHERN AREA OF SCANDINAVIA REACHING FL280 PREDOMINANTLY WITH OCCASIONAL FL350. THE OTHER PORTION OF ASH MOVES SOUTHWESTWARD TO 700NM S OF GREENLAND AND 300NM E OF NEWFOUNDLAND IN THE ATLANTIC, AS WELL AS REACHING AS HIGH AS FL280. ASH SUSPENDED FROM EARLIER ERUPTIONS IS STILL BEING REPORTED OVER THE UNITED KINGDOM, SCANDINAVIA, WESTERN RUSSIA AND BELARUS. IN ADDITION, DIFFUSE REMNANTS OF ASH IS OVER THE ALPS, EASTERN FRANCE AND 340NM TO THE WEST OF THE BAY OF BISCAY.

PUFF DETAILS: PUFF MODEL FORECAST IS CURRENT AND POSTED TO JAAWIN. THE TRAJECTORY OF THE FORECAST MODEL IS VERIFYING WELL WITH ASH MOVEMENT. DEPICTED PUFF MODEL TRAJECTORY SHOWS THE LAST 30HRS WORTH OF ASH INFORMATION. RESIDUAL ASH FROM PRIOR ERUPTIONS IS UNABLE TO BE SHOWN AT THIS TIME.

4. FOR FURTHER INFORMATION SEE LATEST FVCN CWA0, FVXX KNE5, FVXX LFPW, FVE RJTD AND FVXX EGRR BULLETINS. ALSO SEE LATEST BIRD, EGPN, EGGT,ESSAA, LFFF, EPWW WSRS RVRD, WSTV LTAC, WVNT EGRR AND WVCN CWVL SIGMETS. ADDITIONALLY, MODEL INFORMATION CAN BE FOUND AT [HTTP://EER.CMC.EC.GC.CA/PEOPLE/RENE/SPECIAL_CH/](http://EER.CMC.EC.GC.CA/PEOPLE/RENE/SPECIAL_CH/)

WEBSITE INFO: FOR METSAT ANALYSIS AND PUFF MODEL FORECAST BASED ON GFS DATA SEE [HTTPS://WEATHER.AFWA.AF.MIL/JAAWIN/EEVENTS/OVERVIEW.JSP](https://weather.afwa.af.mil/jaaWIN/EEVENTS/OVERVIEW.JSP) (LOWER-CASE ONLY).

5. THIS BULLETIN WILL BE UPDATED BY 19APR2010 AT 2130Z.
PREPARED BY GUERRERO-SALINAS/QC BY WESTLUND

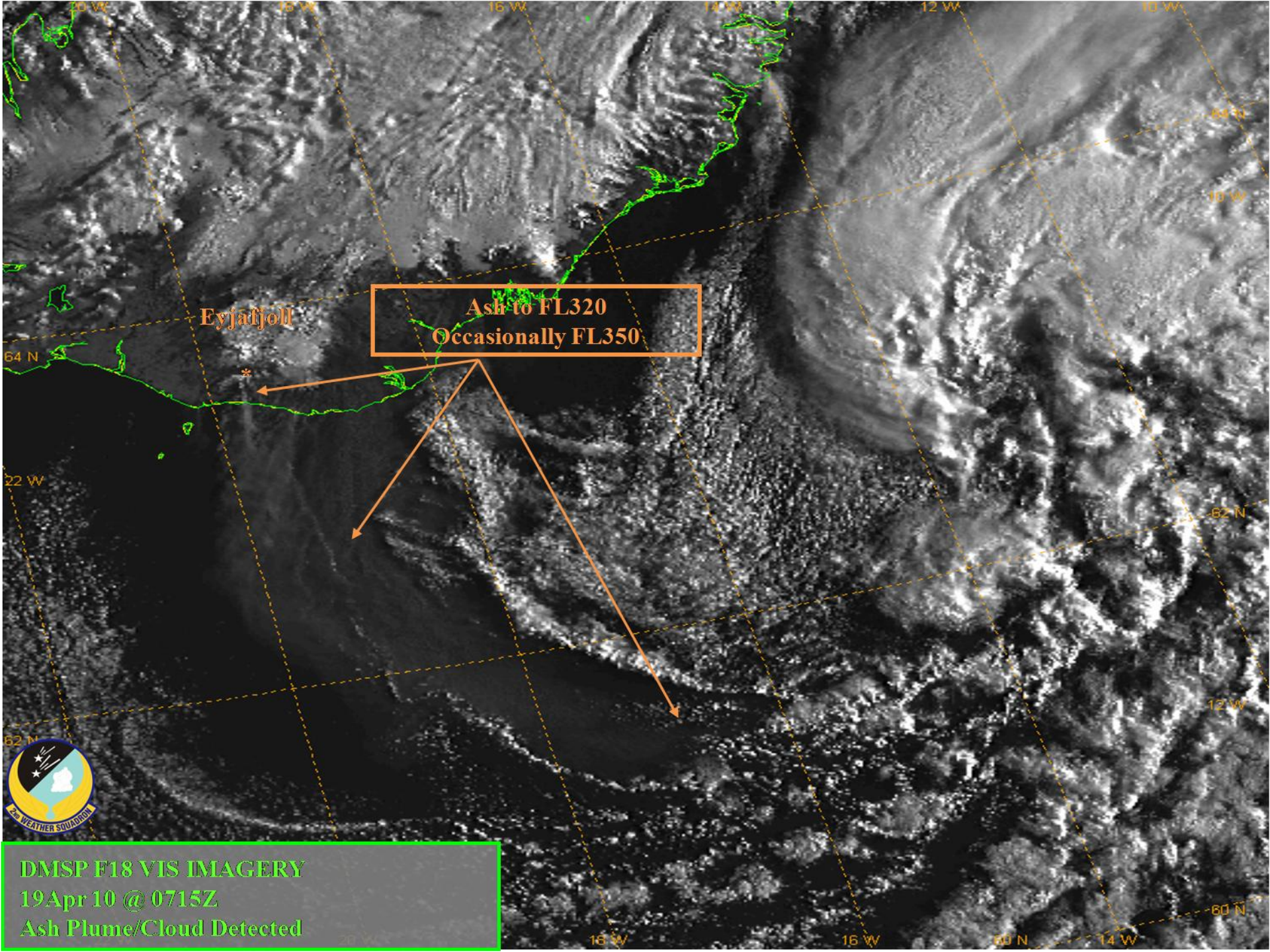


**Ash Plume from FL200 to
FL240**

Eyjafjoll



**DMSP F15 Vis
17 Apr 10 @ 0740Z
Ash Plume/Cloud Detected**

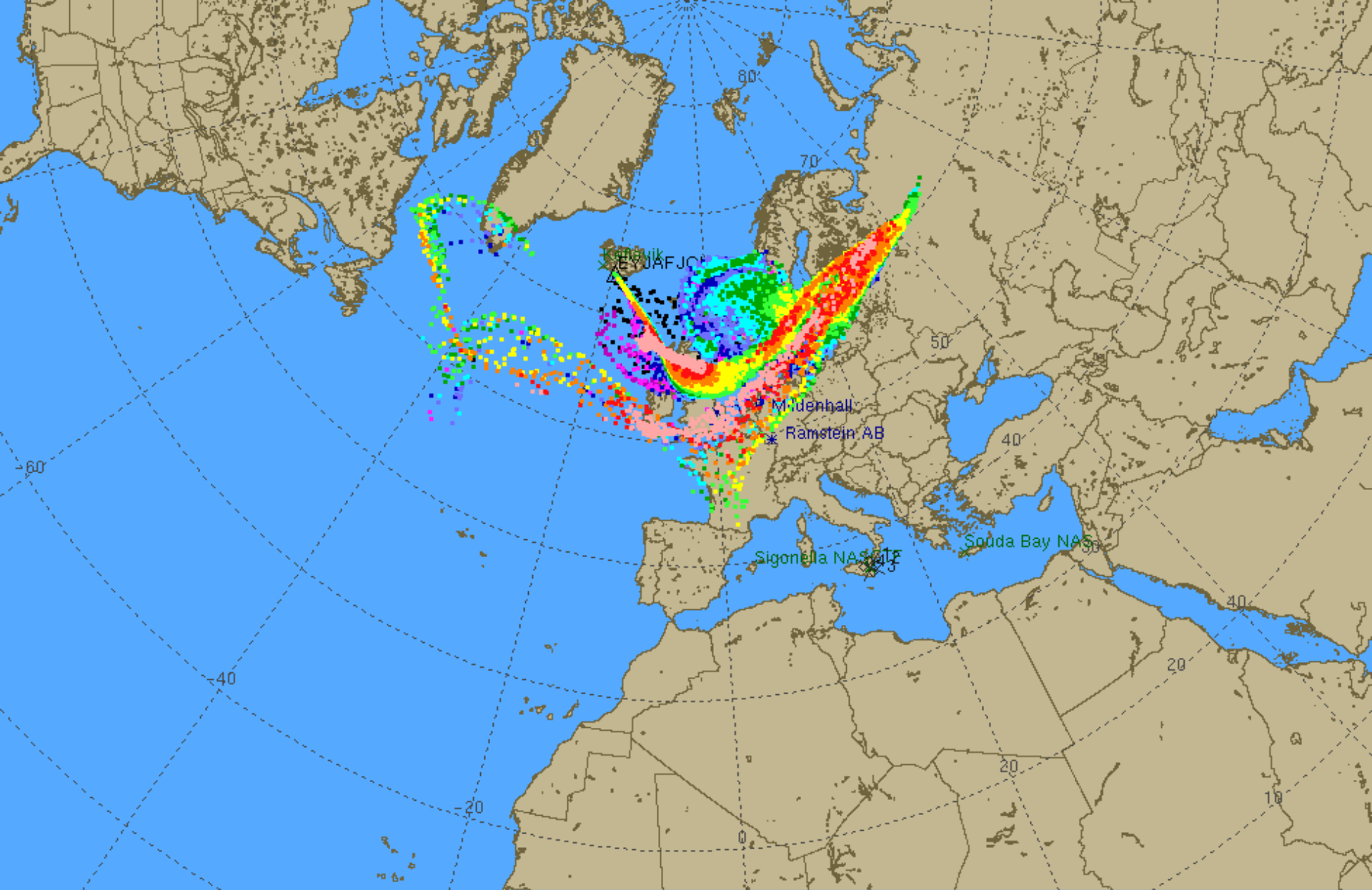


Eyjafjöll

Ash to FL320
Occasionally FL350

DMSP F18 VIS IMAGERY
19Apr 10 @ 0715Z
Ash Plume/Cloud Detected





EYJAFJOLL ERUPTION DETAILS

LAT: 6338N DATE: 0340Z 19 Apr 10
 LON: 1937W DURATION: 24.0 HR
 SUMMIT: 5465 FT HEIGHT: FL350
 RUN #: 441578

ONGOING ERUPTION DETAILS

DATE: 0840Z 19 Apr 10
 DURATION: 18.0 HR
 HEIGHT: FL350
 RUN #: 441694

PUFF RUN DETAILS

VALID: 0240Z 20 Apr 10 (+18 HRS)
 DURATION: 18 HRS
 MODEL: GFS/00Z 19 Apr 10

