

## NAAMES Mission C-130 Flight Report

From: CYYT

To: CYYT

Start: 05/27/16 10:05Z

Finish: 05/27/16 20:20Z

Flight Time: 10.3 hours

Log Number: 161008

PI: Mike Behrenfeld

Funding Source: Paula Bontempi - NASA - SMD - ESD Ocean Biology and Biogeochemistry

Official Flight Report Logged At:

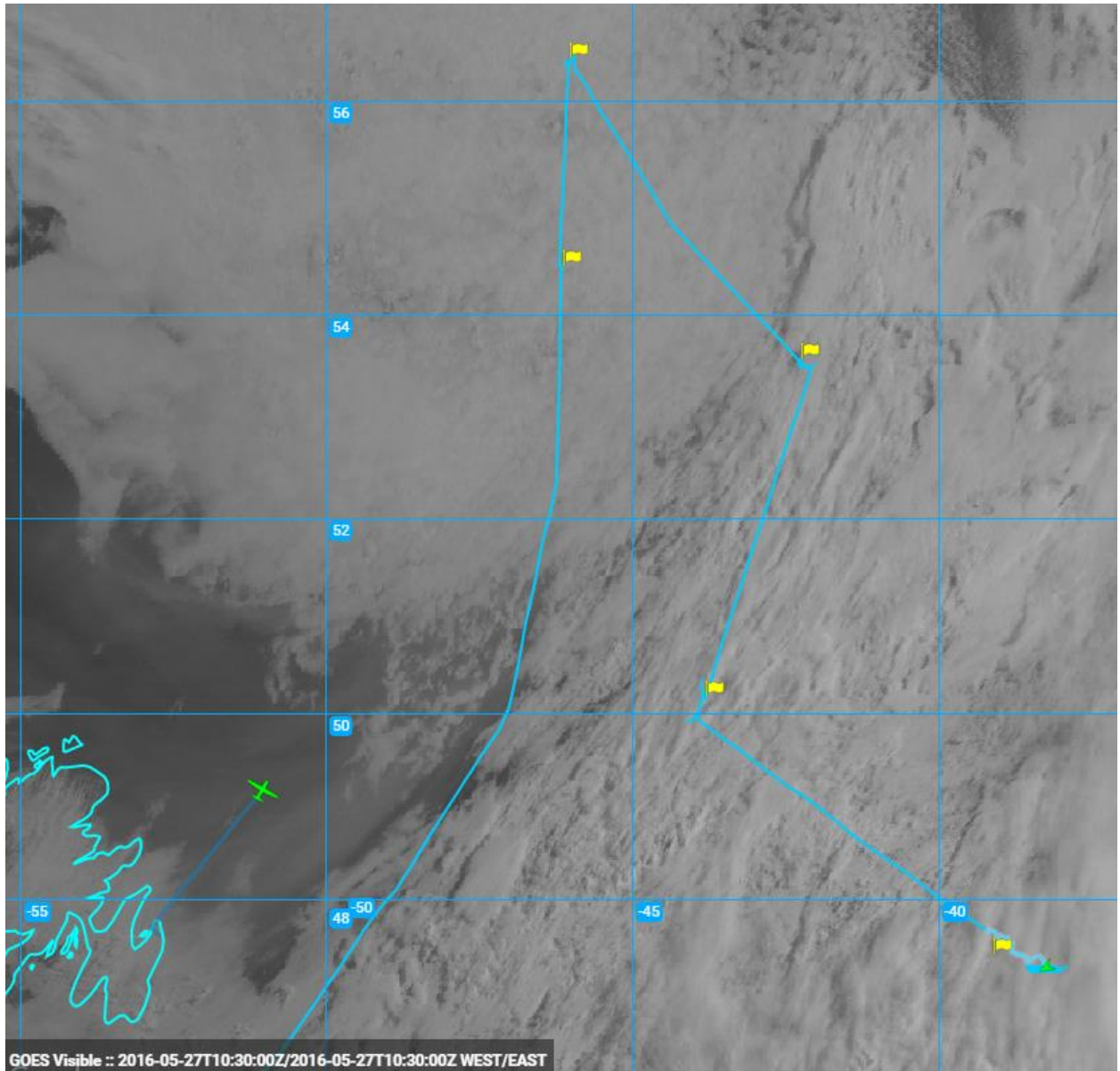
[https://airbornescience.nasa.gov/flight\\_reports/C-130H\\_Hercules\\_439\\_05\\_27\\_16](https://airbornescience.nasa.gov/flight_reports/C-130H_Hercules_439_05_27_16)

### Flight Hour Summary:

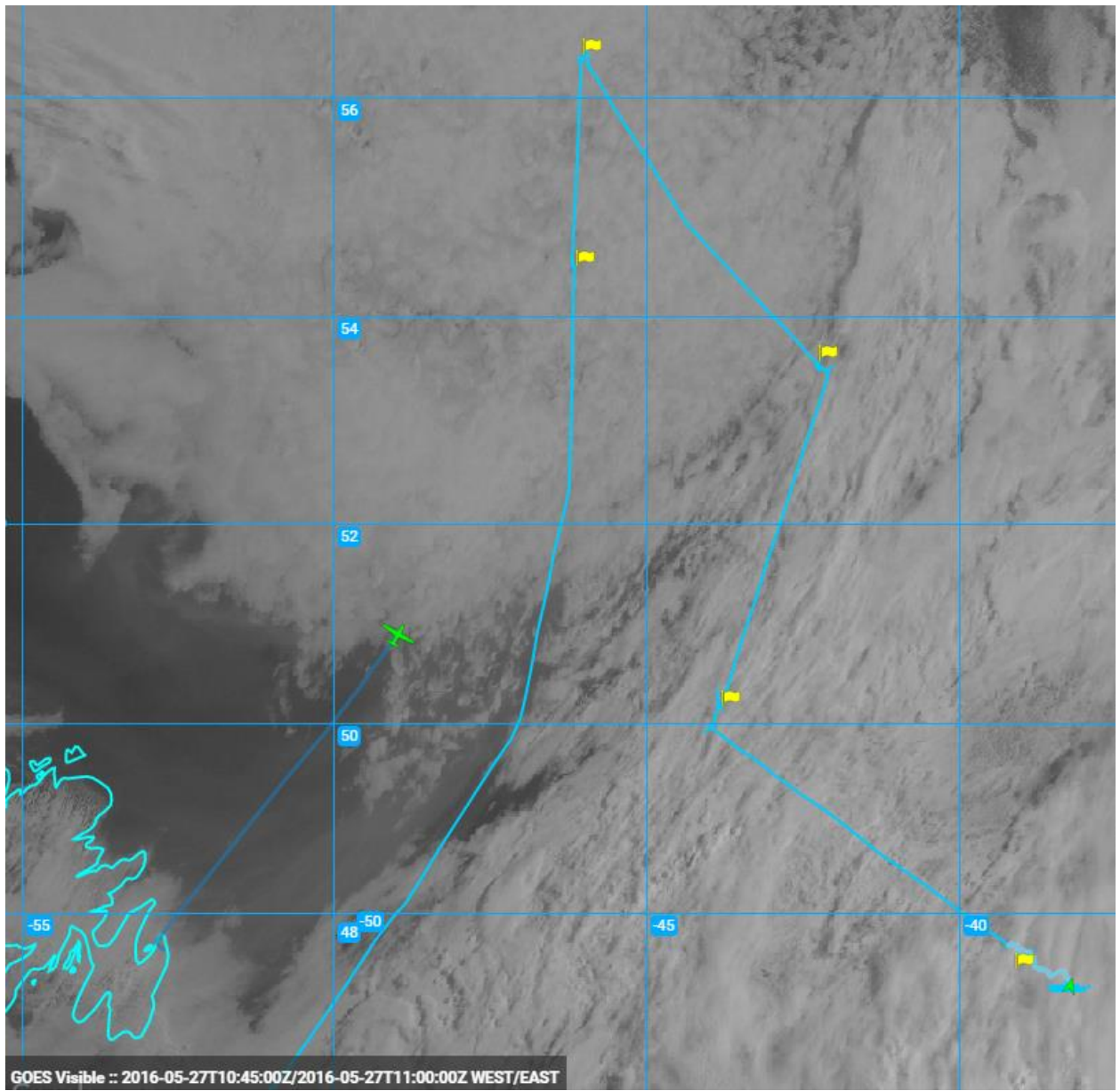
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining
04/08/16	NAAMES Langley Transit	Ferry	1	1	69
05/12/16	NAAMES Airworthiness Test Flight	Check	0.9	1.9	68.1
05/13/16	NAAMES Project Test Flight/Transit	Transit	8.4	10.3	59.7
05/18/16	NAAMES Science Flight #1	Science	10.7	21	49
05/19/16	NAAMES Science Flight #2	Science	9.1	30.1	39.9
05/20/16	NAAMES Science Flight #3	Science	8.7	38.8	31.2
05/26/16	NAAMES Science Flight #4	Science	9.8	48.6	21.4
05/27/16	NAAMES Science Flight #5	Science	10.3	58.9	11.1

### Comments:

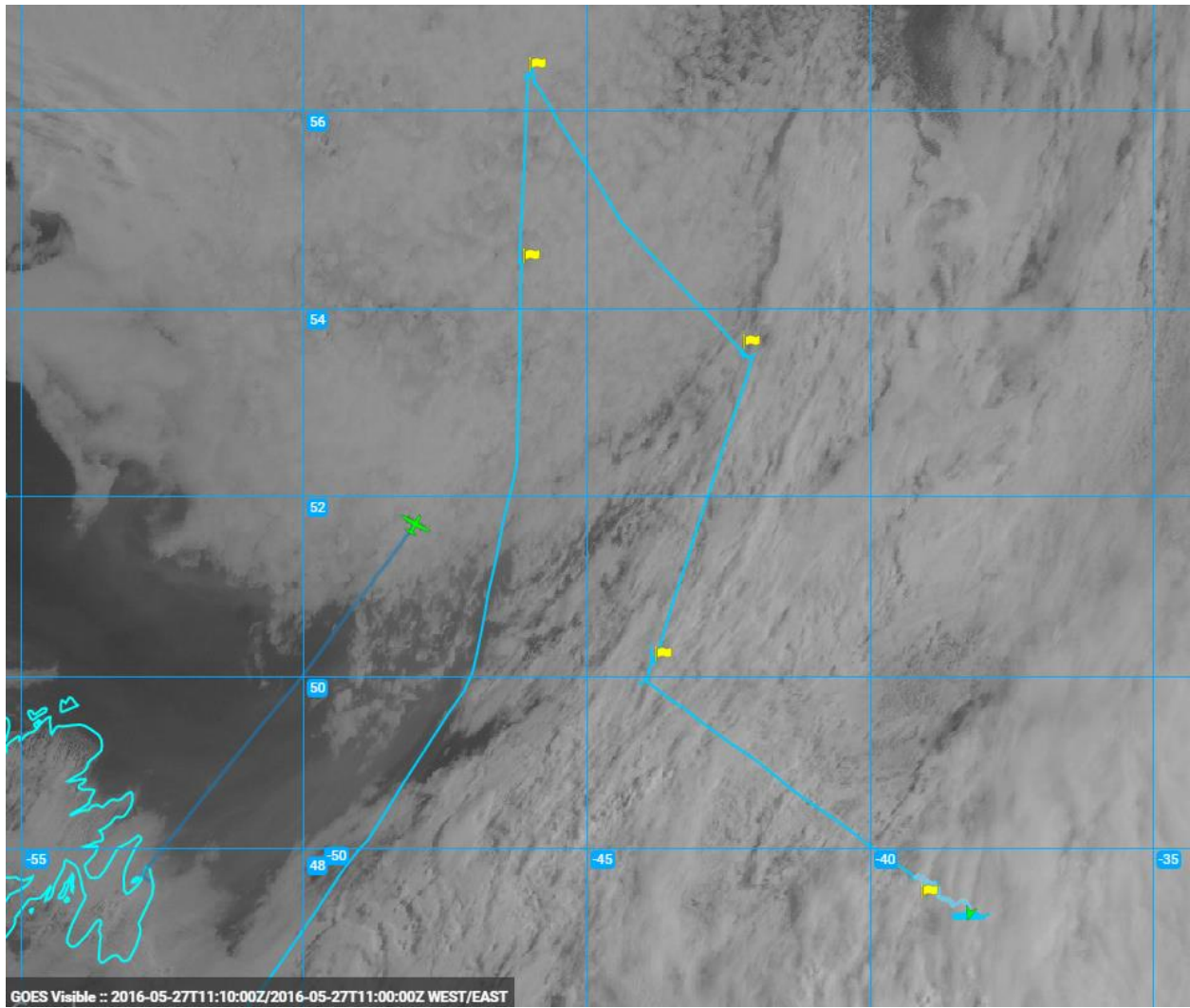
Real-time GOES imagery with overlaid ship, aircraft, and CALIPSO trajectories.



1045Z\_HeadingOut

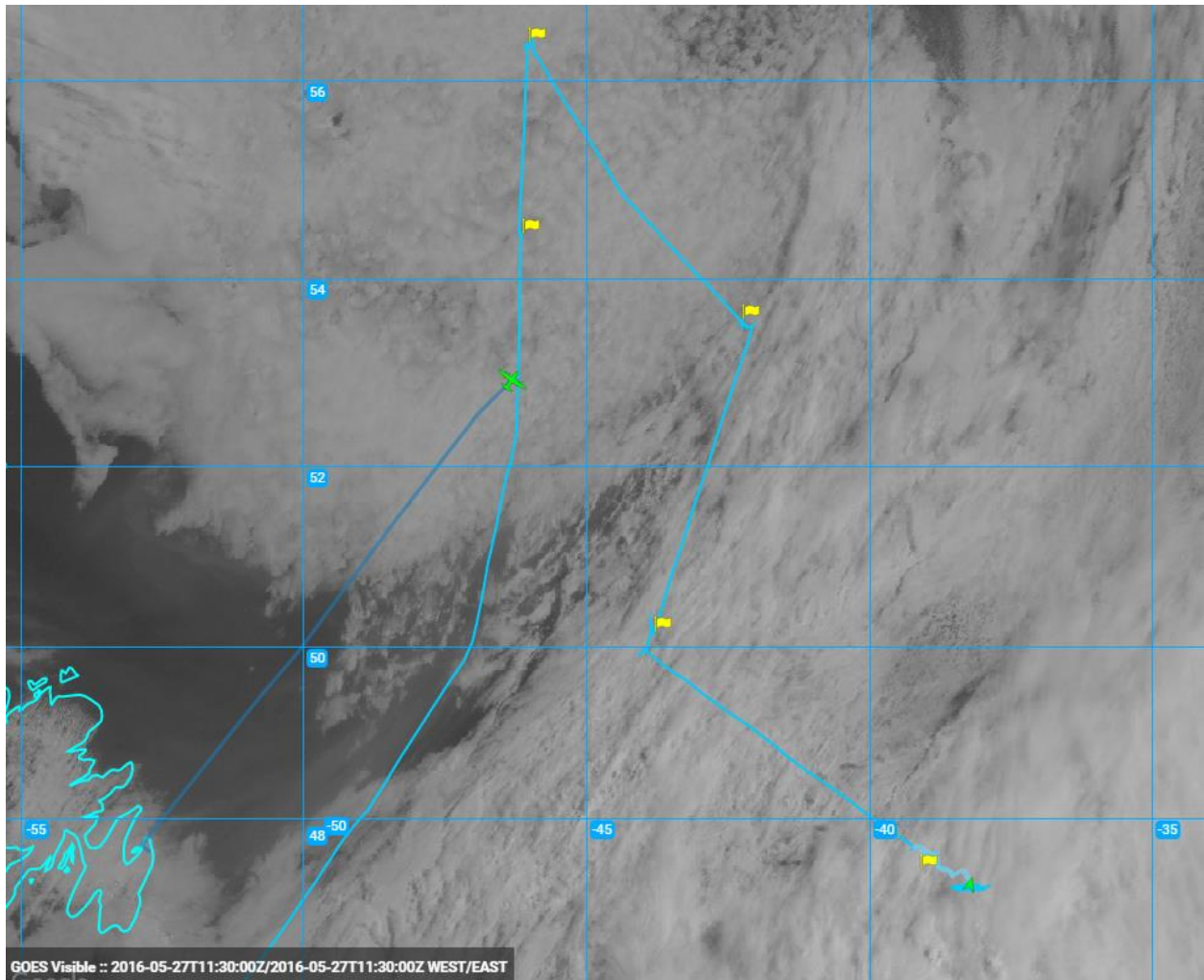


1110Z\_HeadingOut

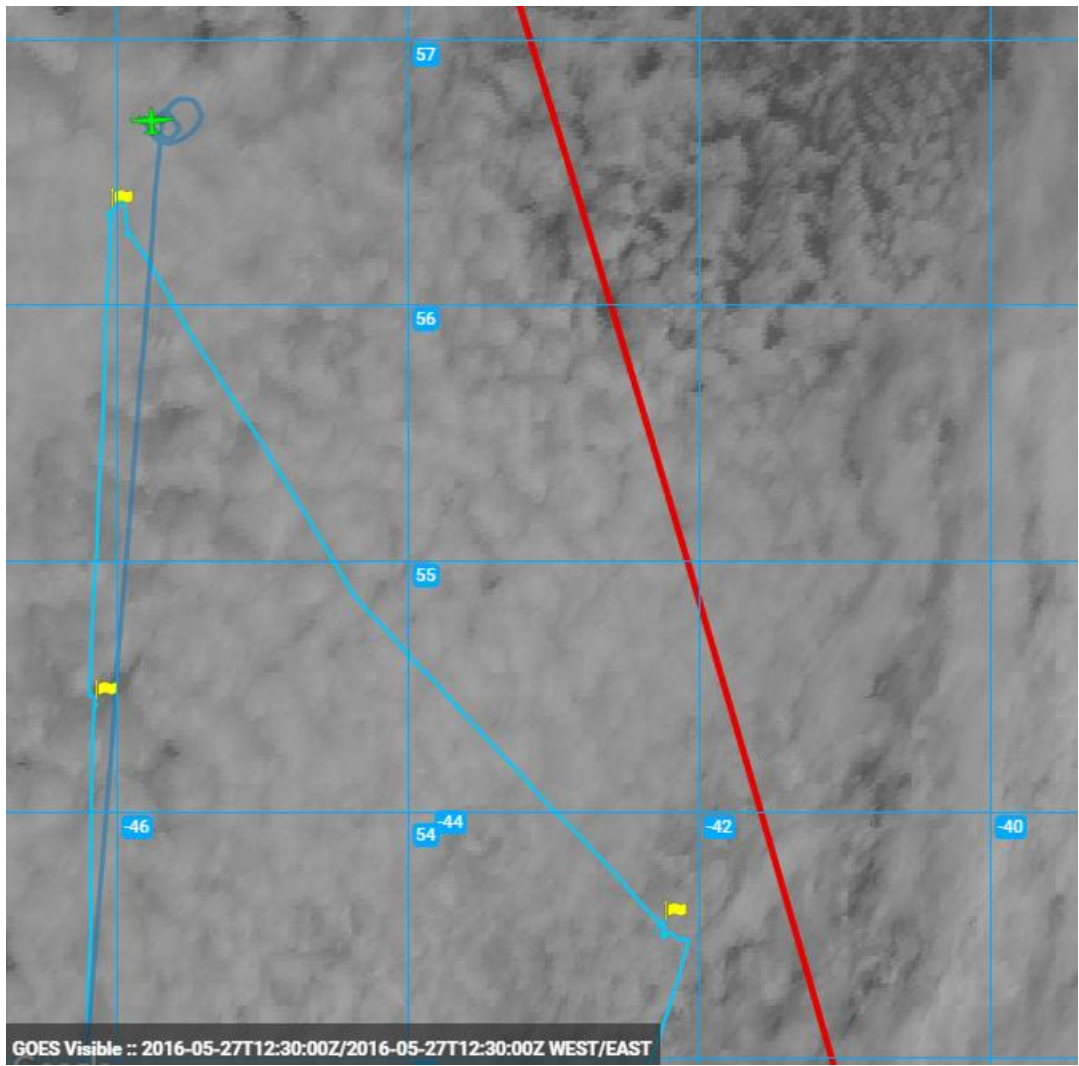


1125Z\_HeadingOut

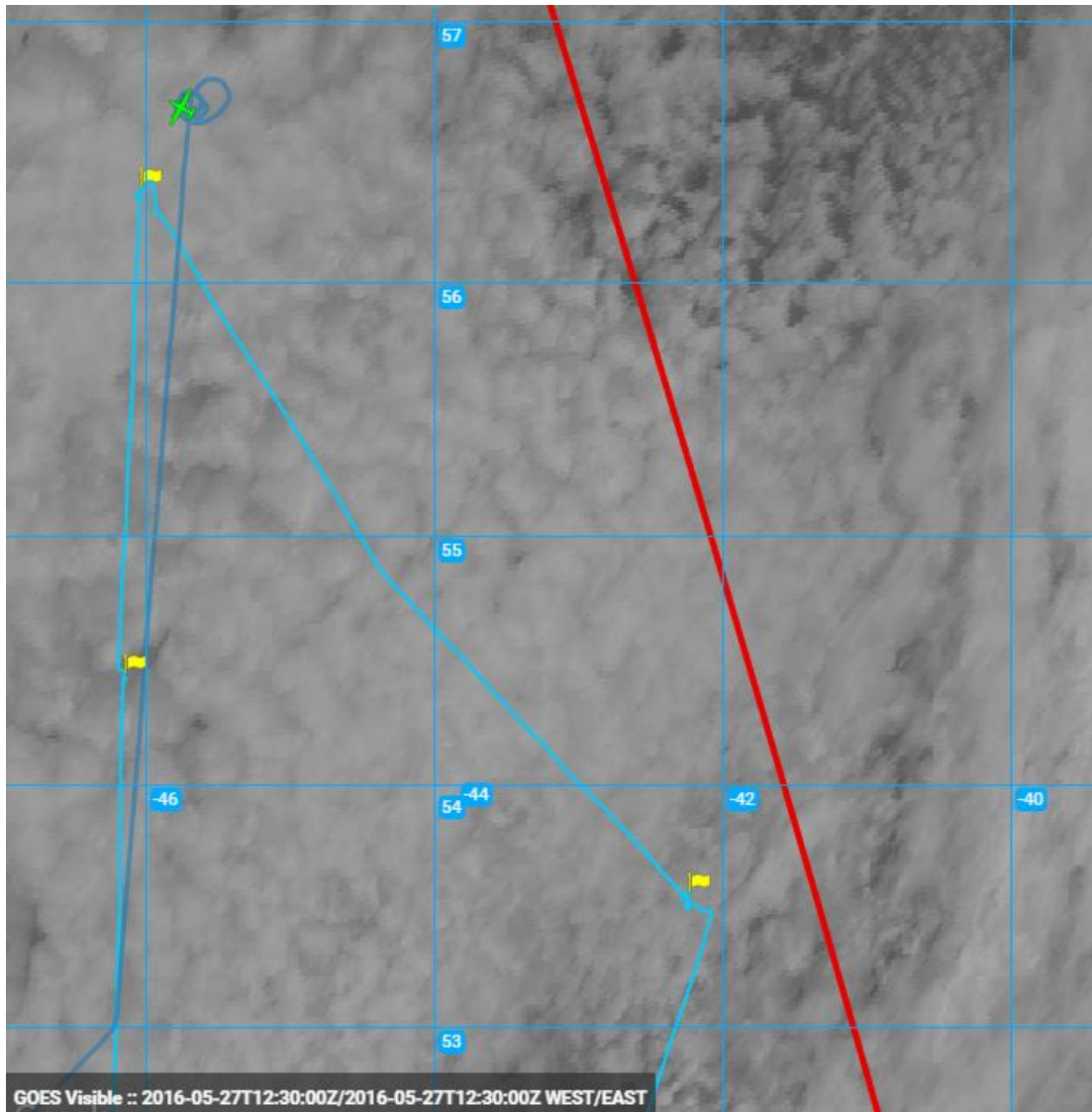




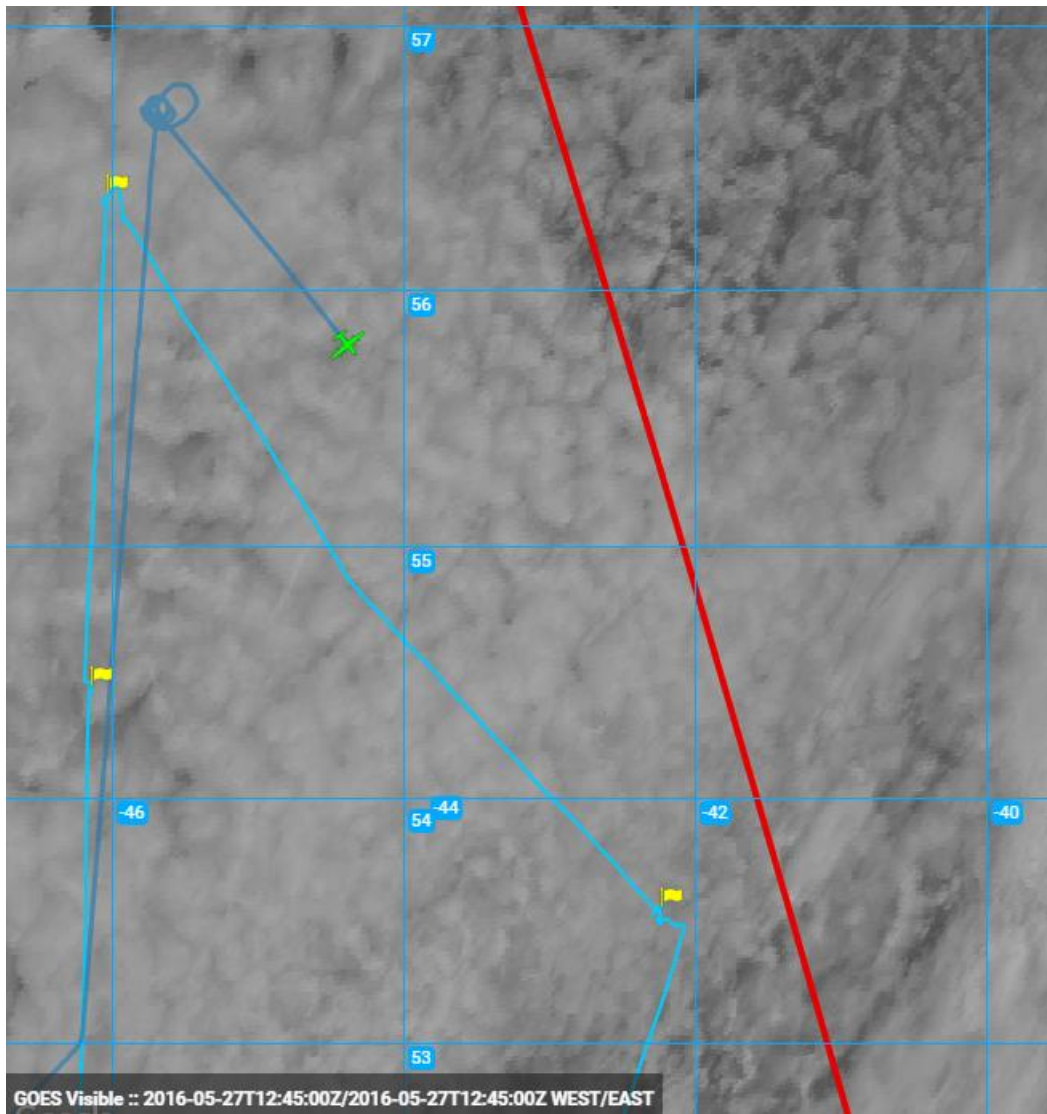
1140Z\_InTheBox



1240Z\_S1\_Spiral

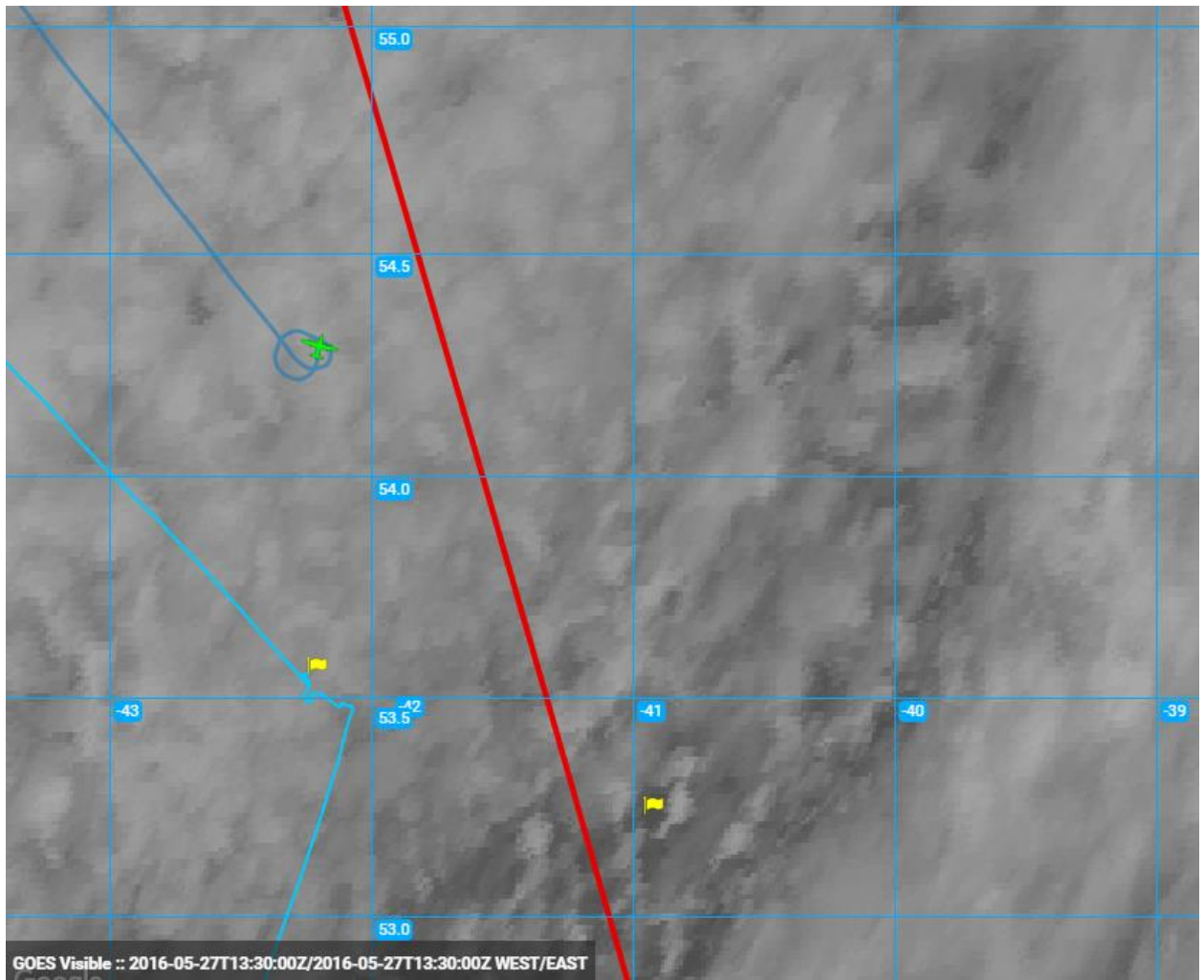


1250Z\_S1\_Spiral\_2

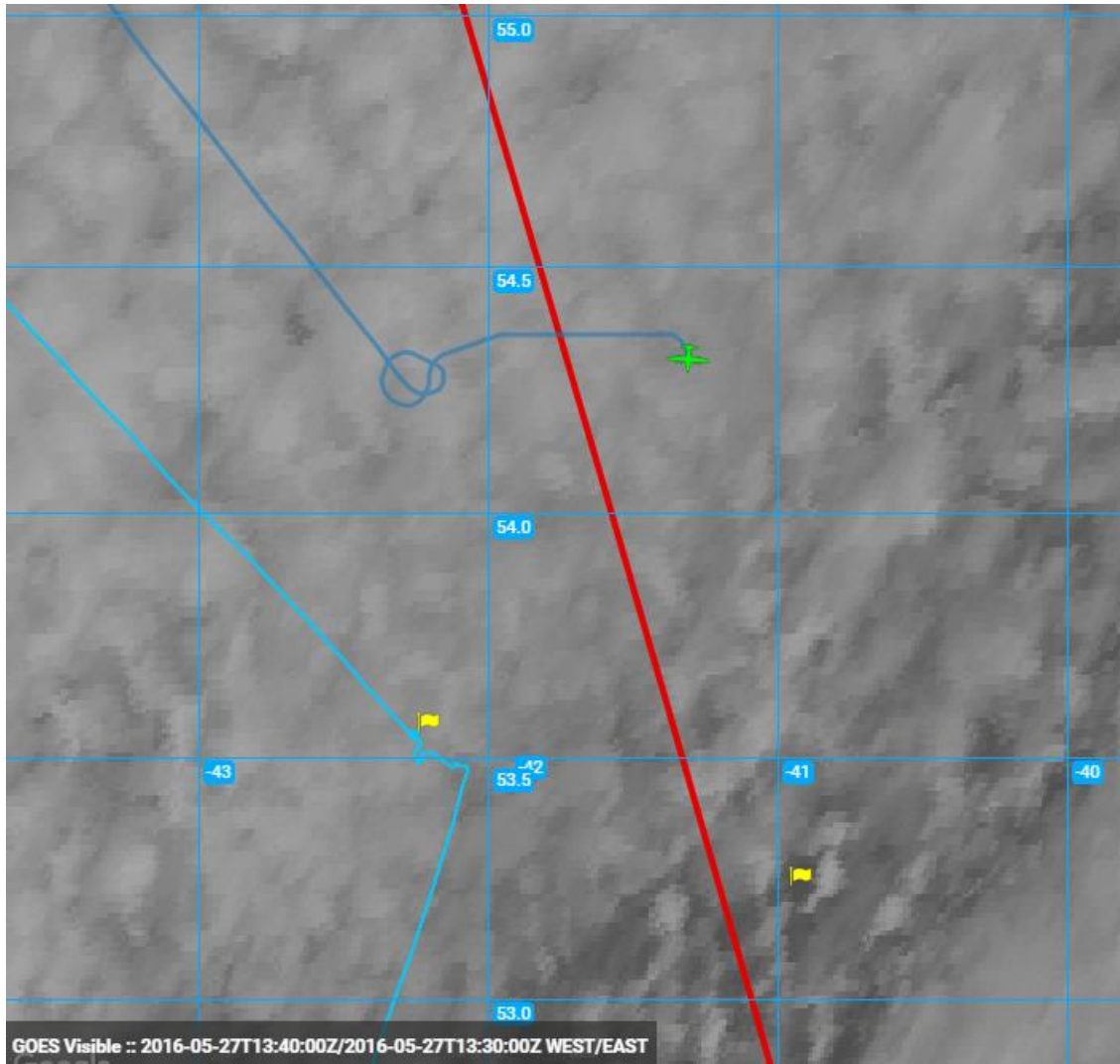


1310Z\_S1toS2

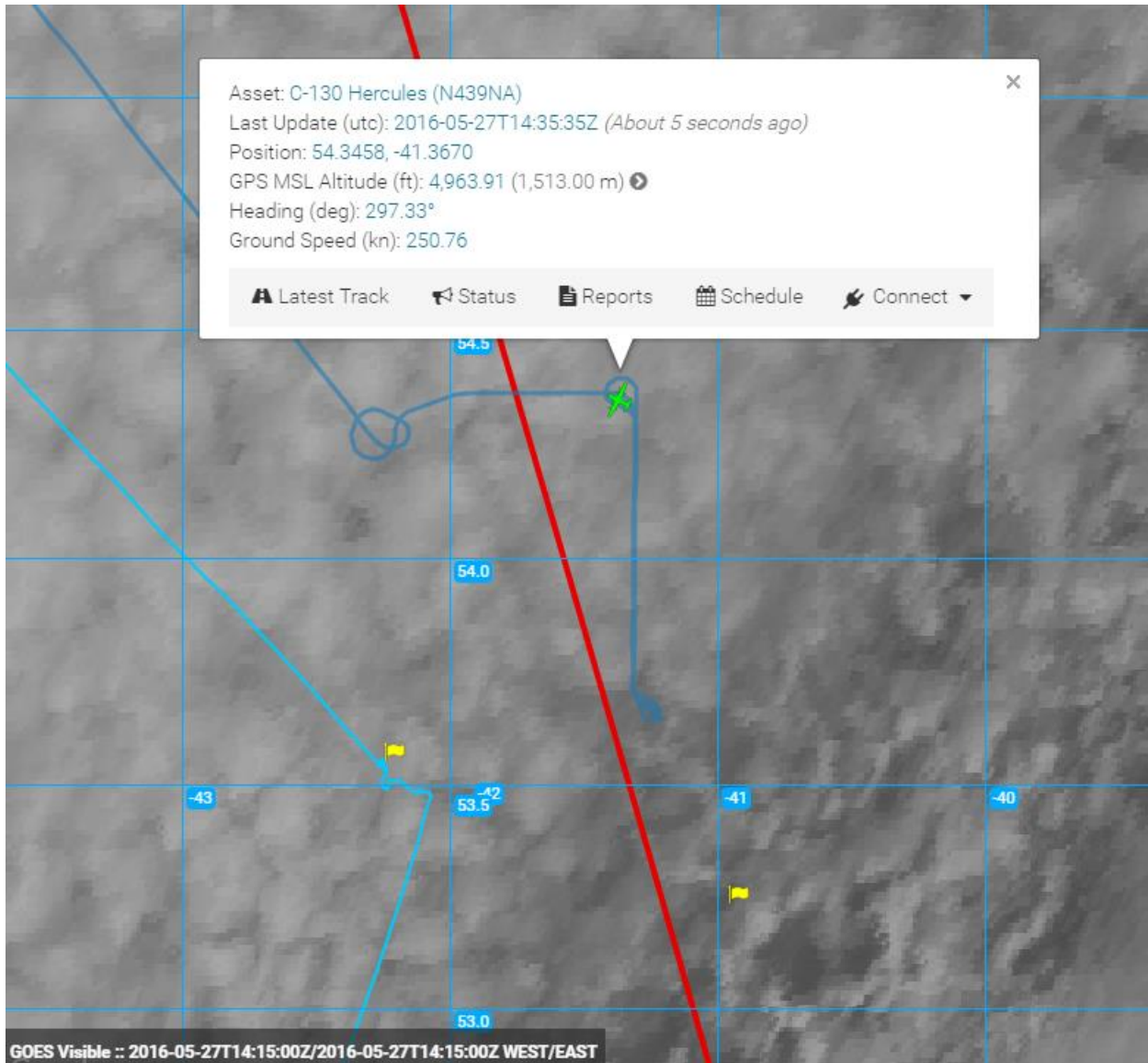




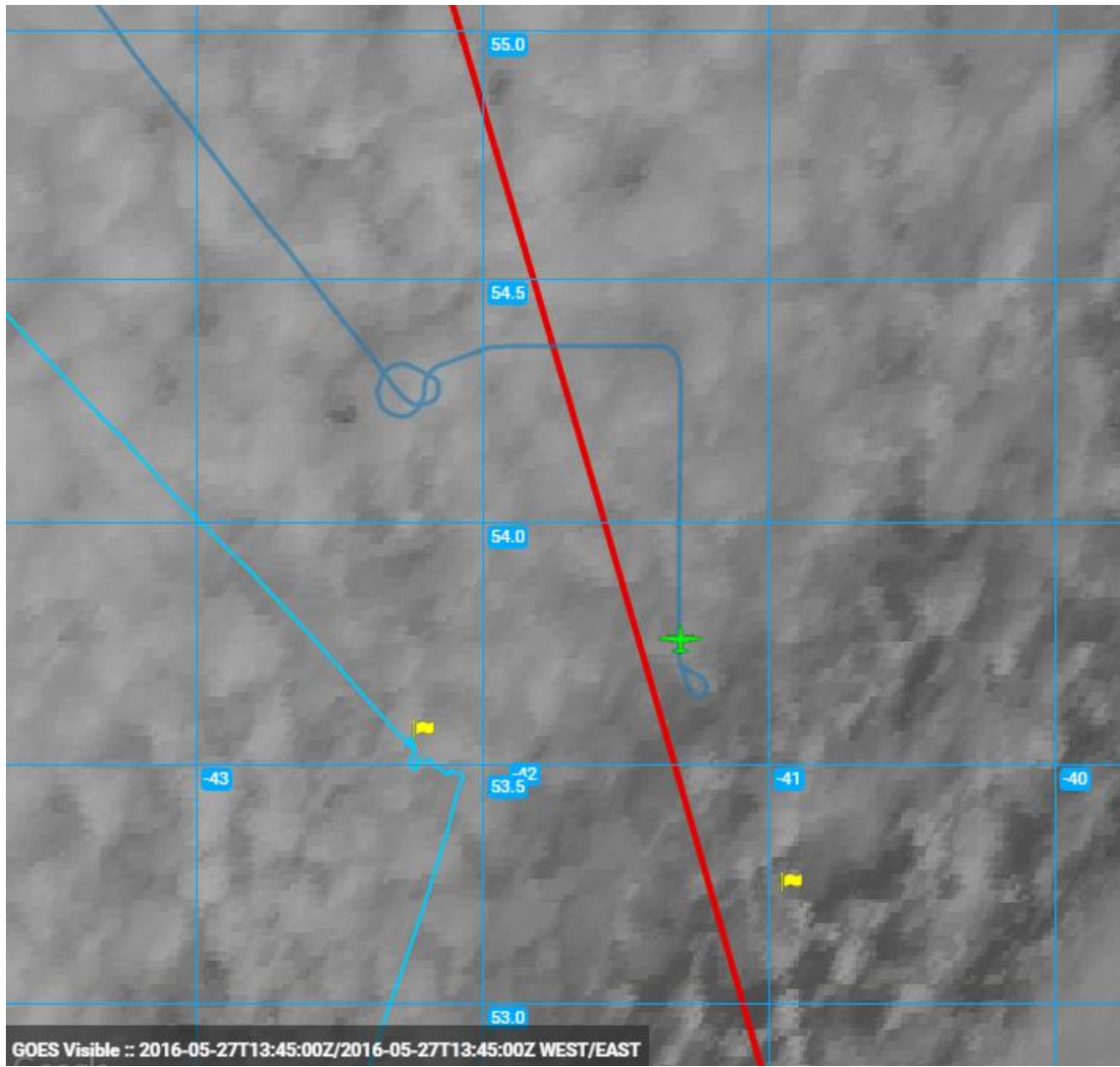
1343Z\_ShortSpiral



1350Z\_StartCM

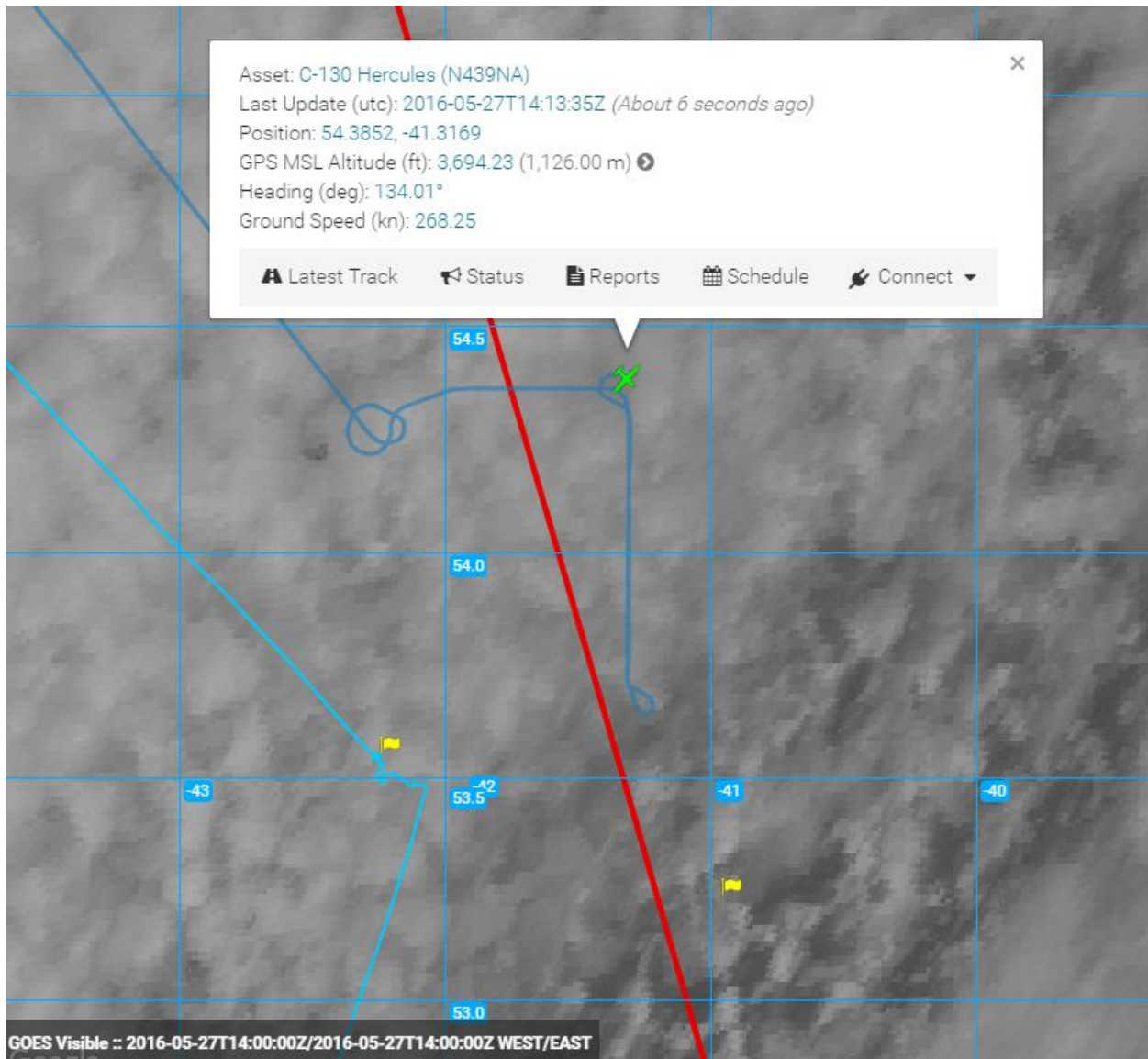


1400Z\_AboveCloudLegCM

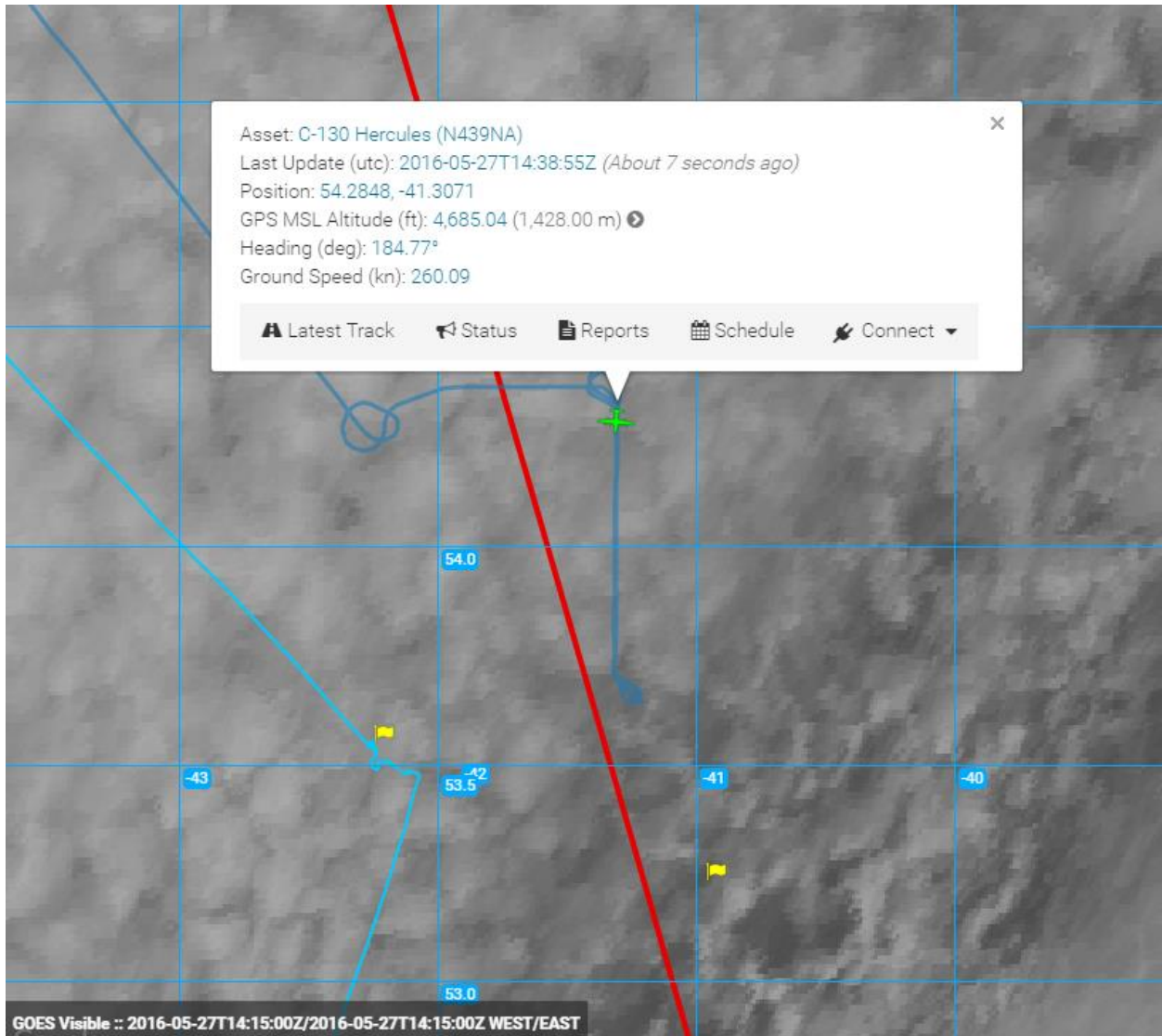


1400Z\_BelowCloudLegCM

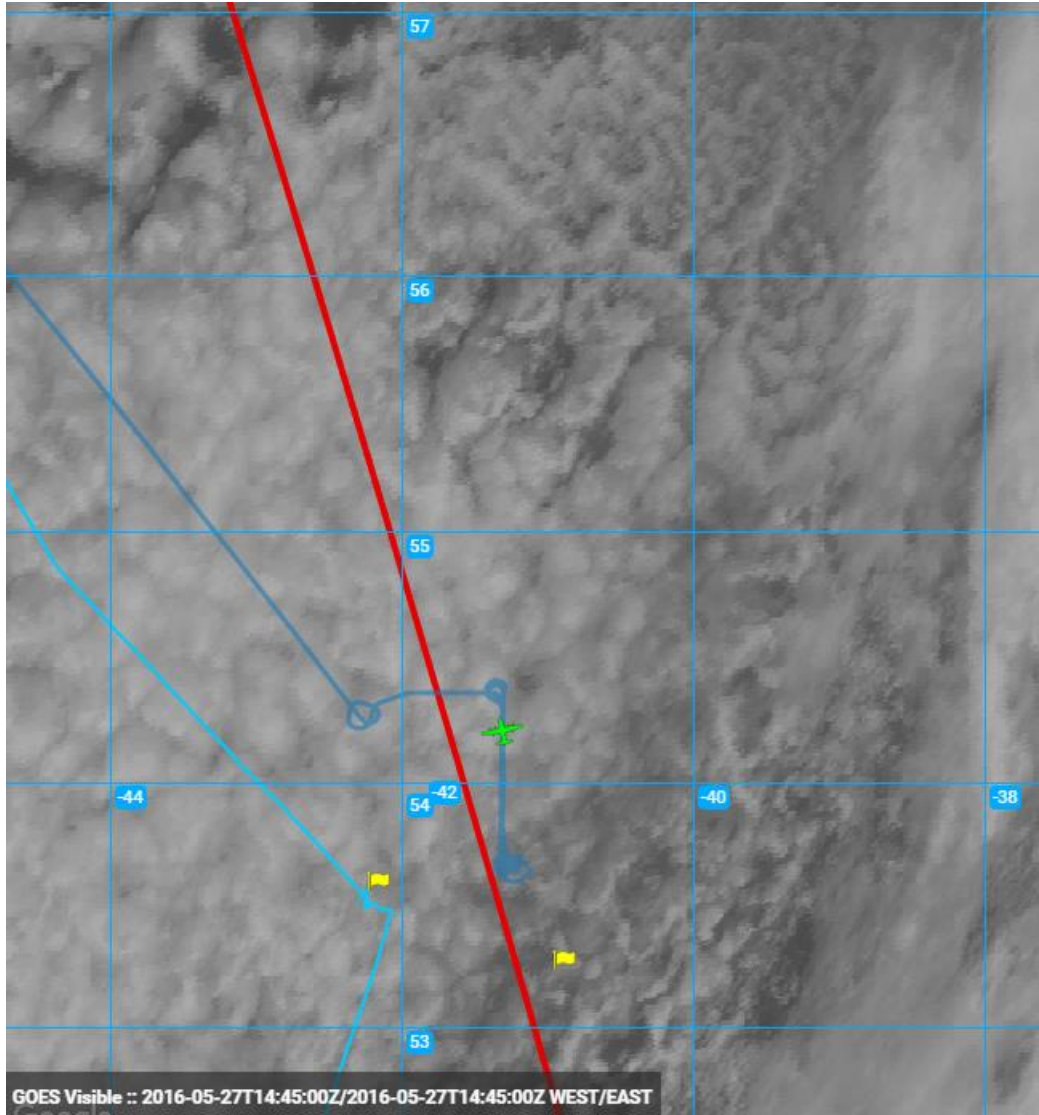




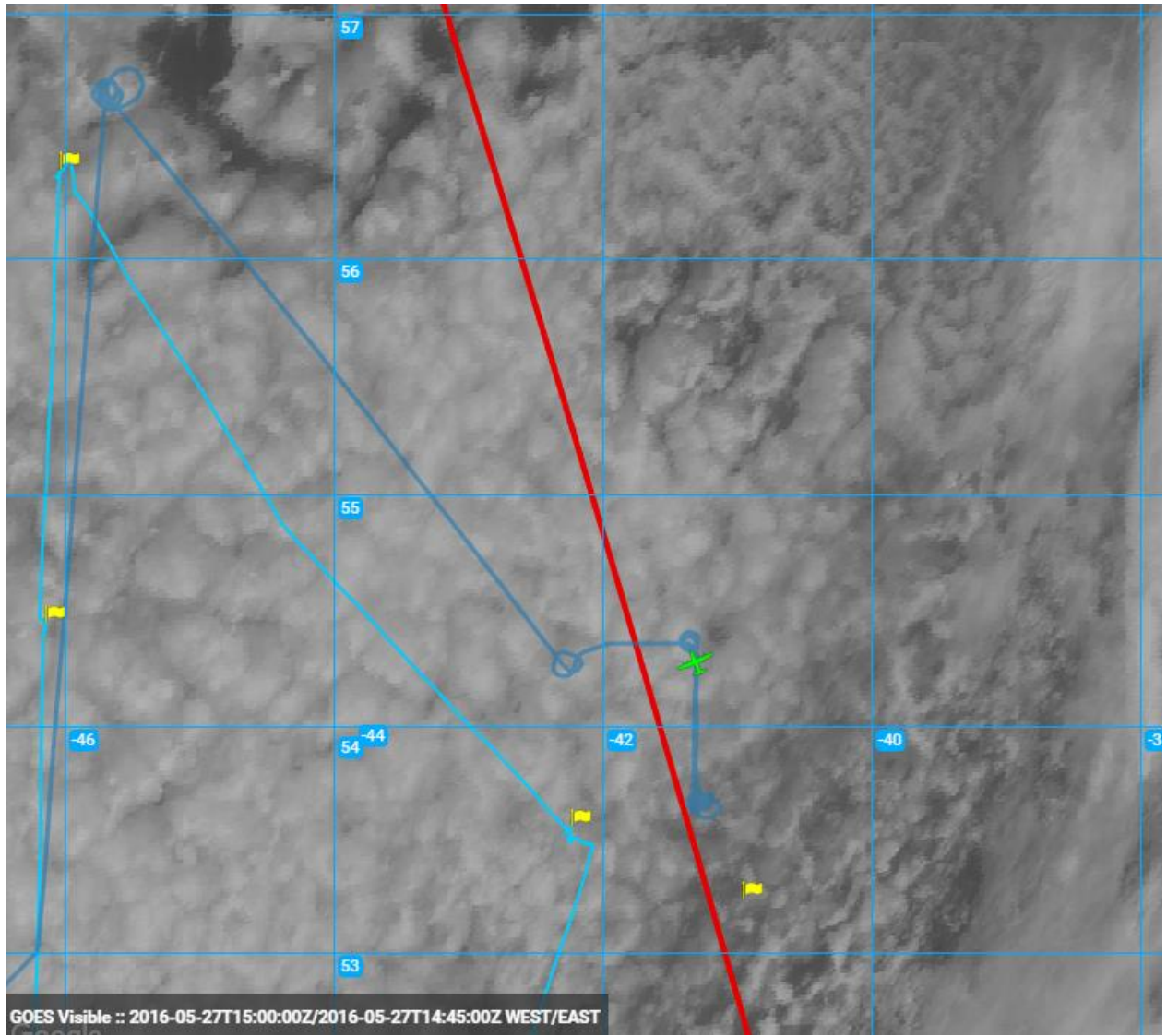
1400Z\_CloudBaseLegCM



1440Z\_CloudTopLegCM

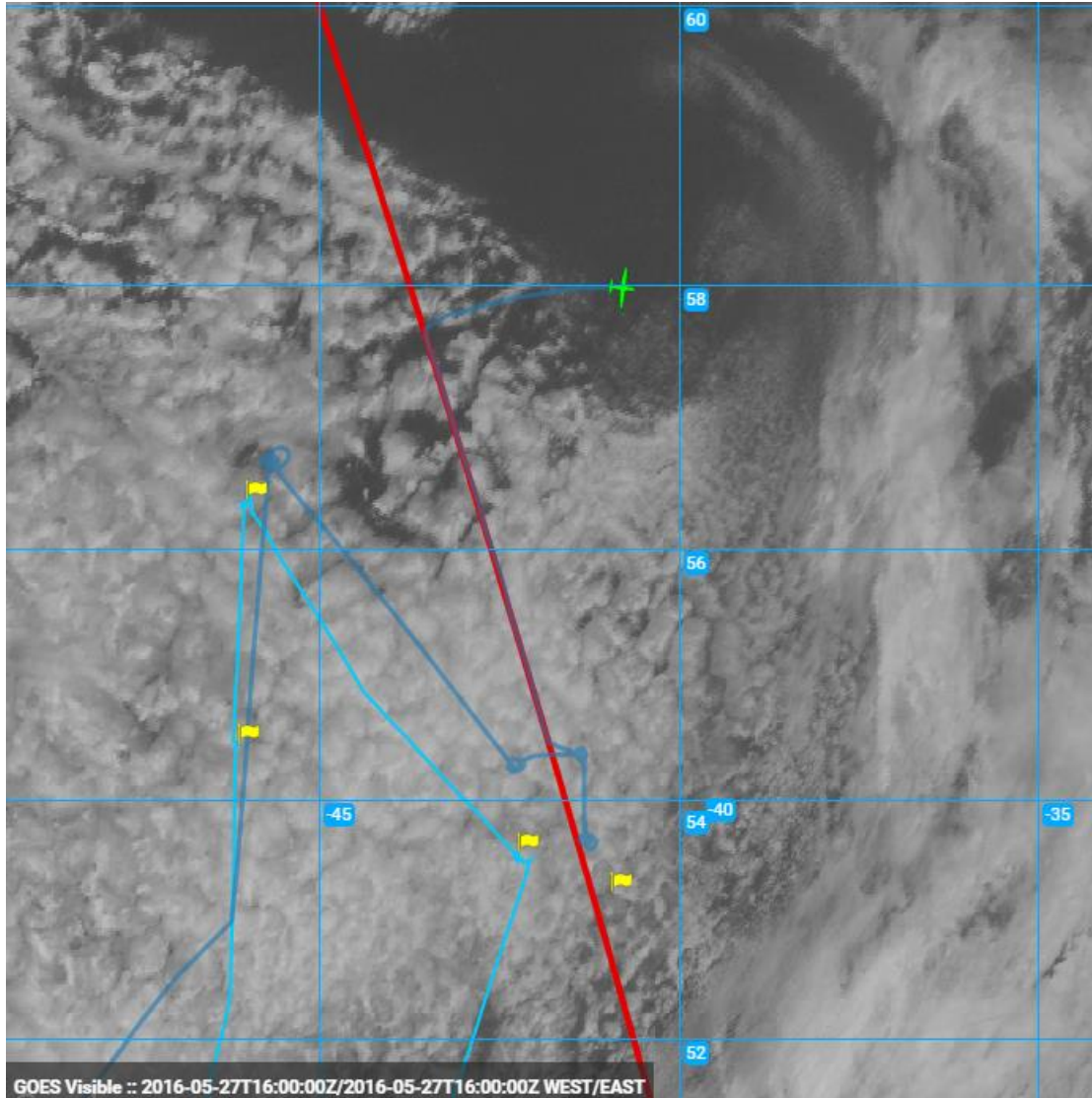


1510Z\_HighAltitudeLegCM

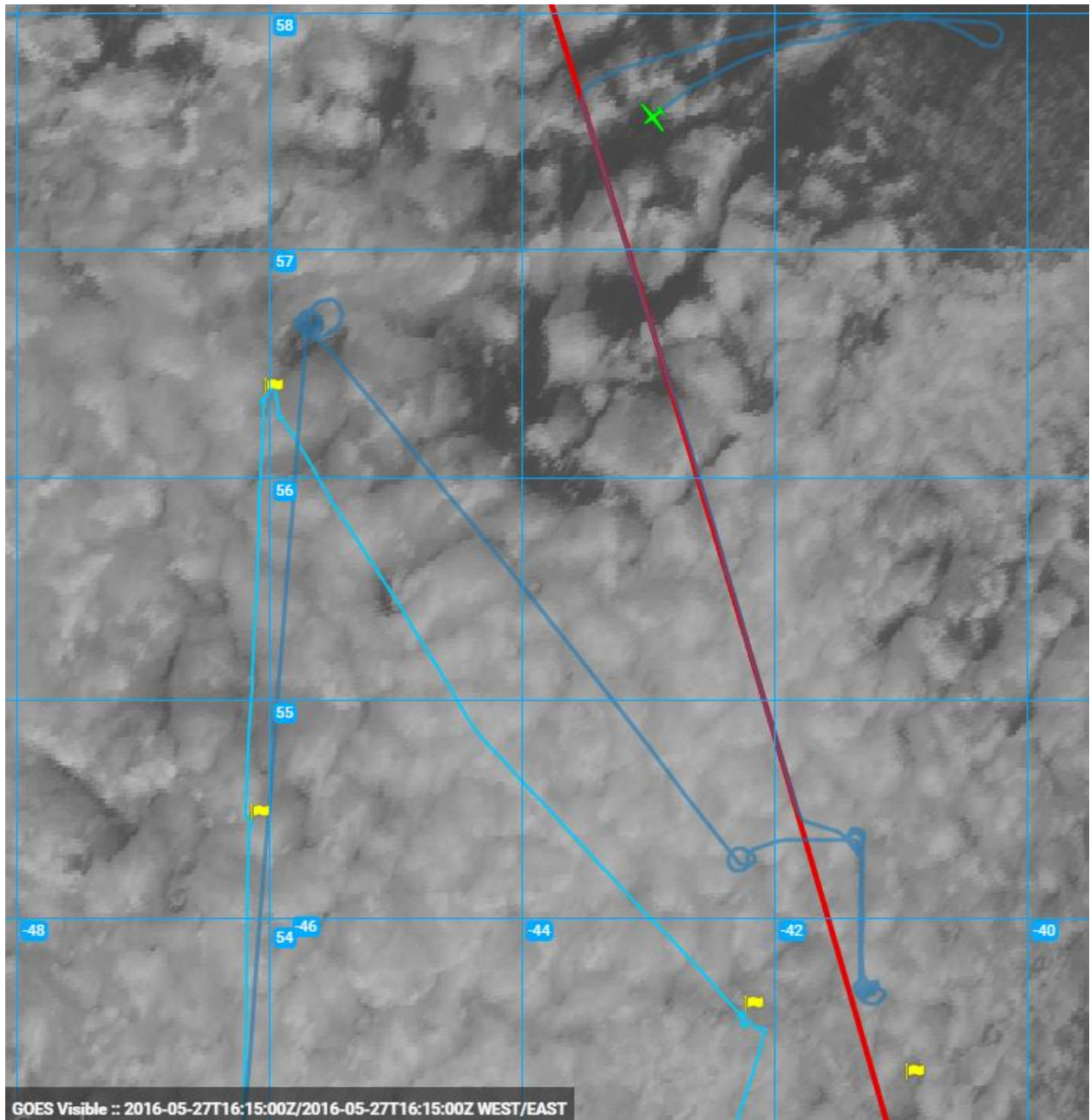


1510Z\_HighAltitudeLegCM\_ZoomOut

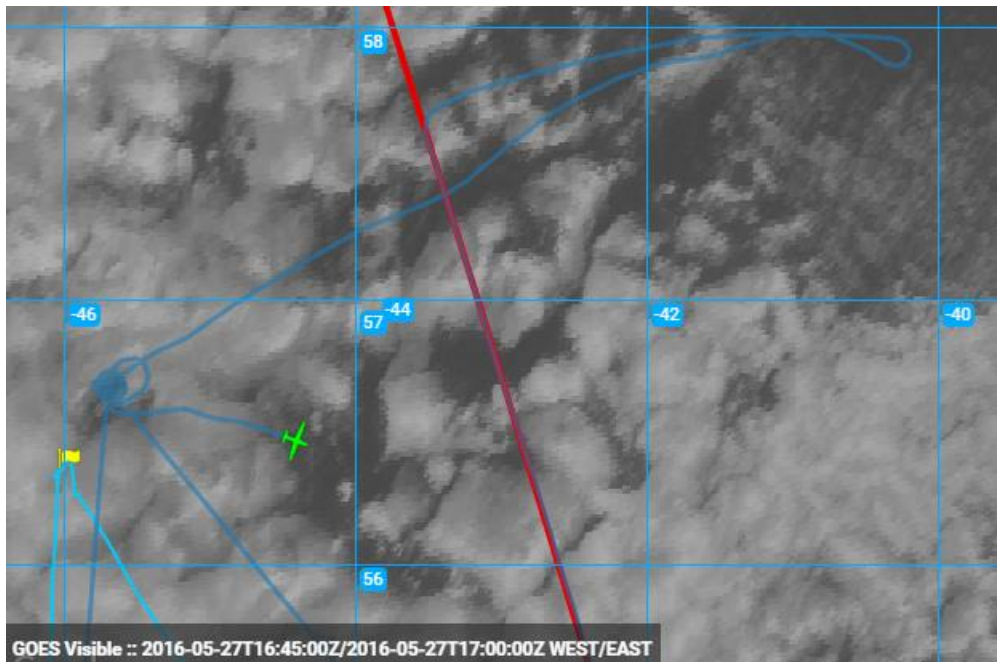




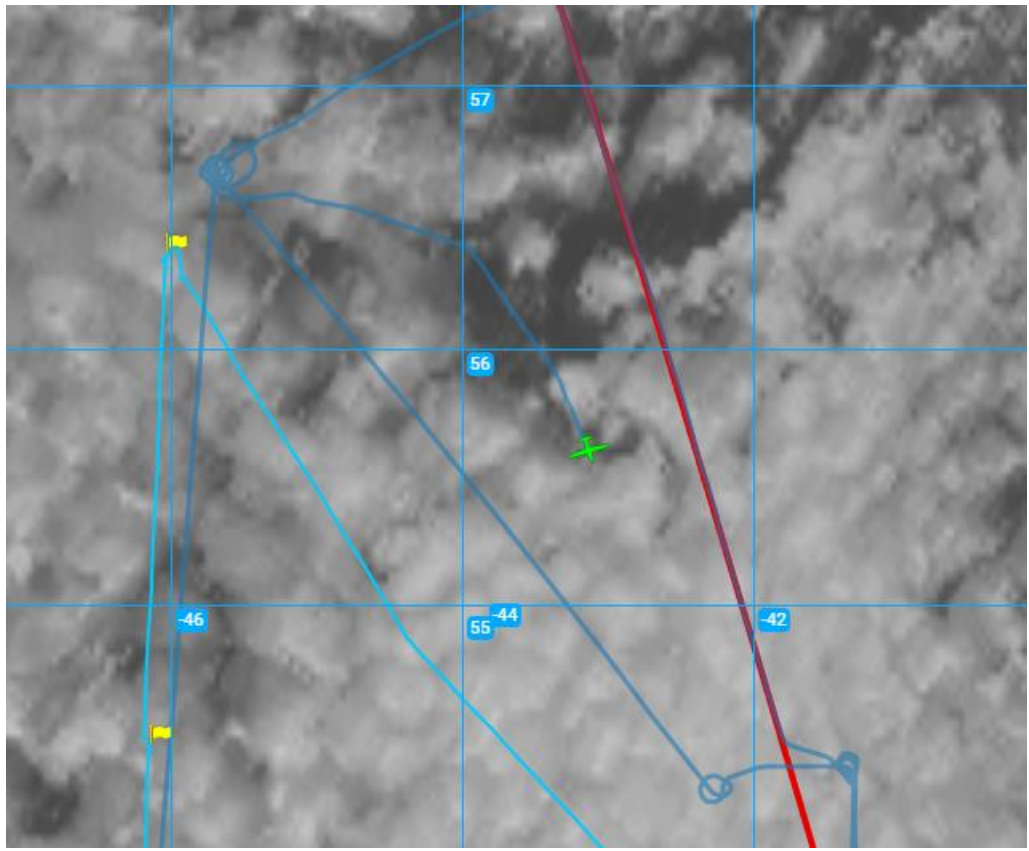
1615Z\_HighAltitudeLegC130GoingRogue



1640Z\_HighAltitudeTrolling Around

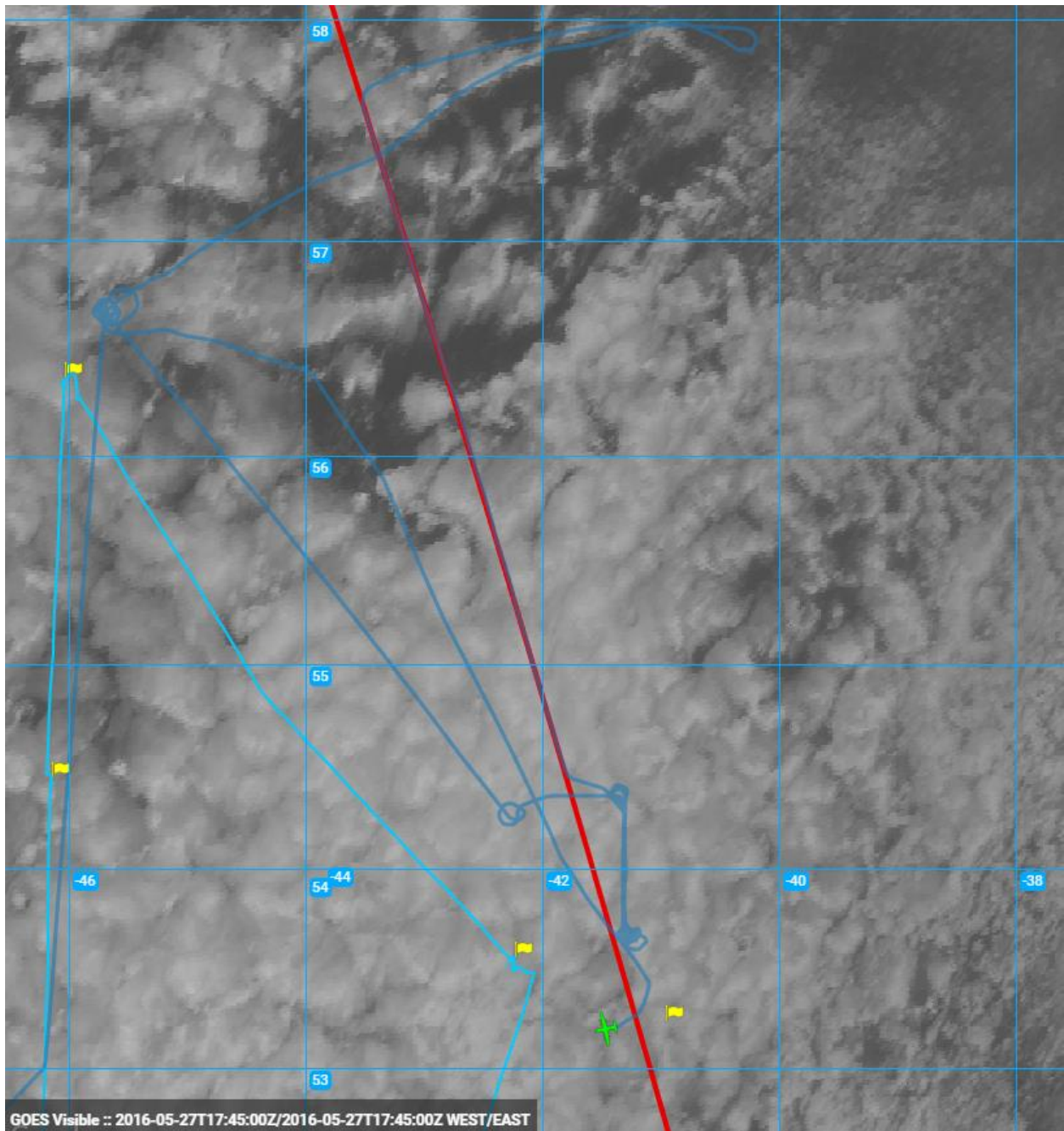


1710Z\_HighAltitudeTrolling Around



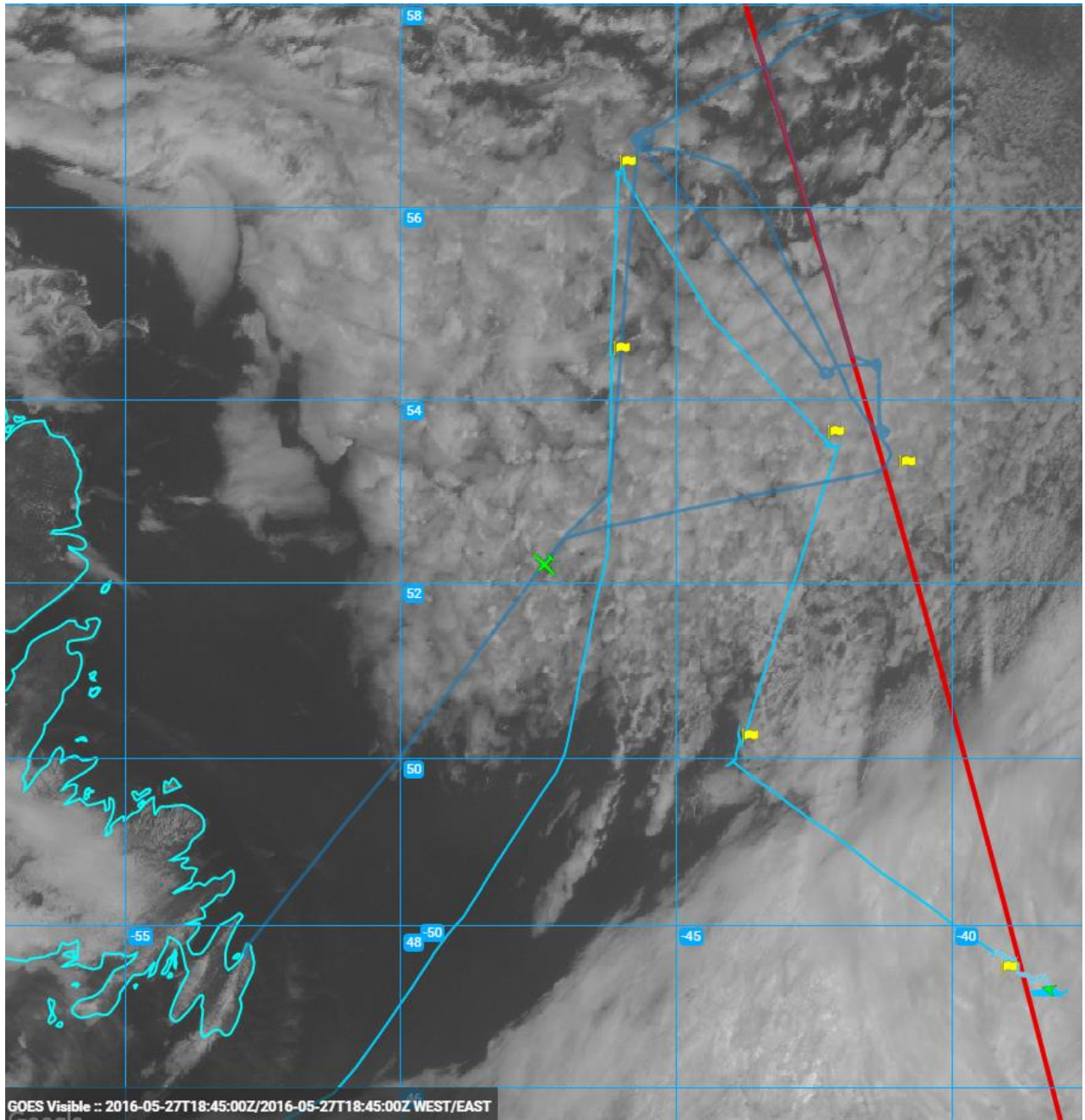
1720Z\_HighAltitudeTrolling Around



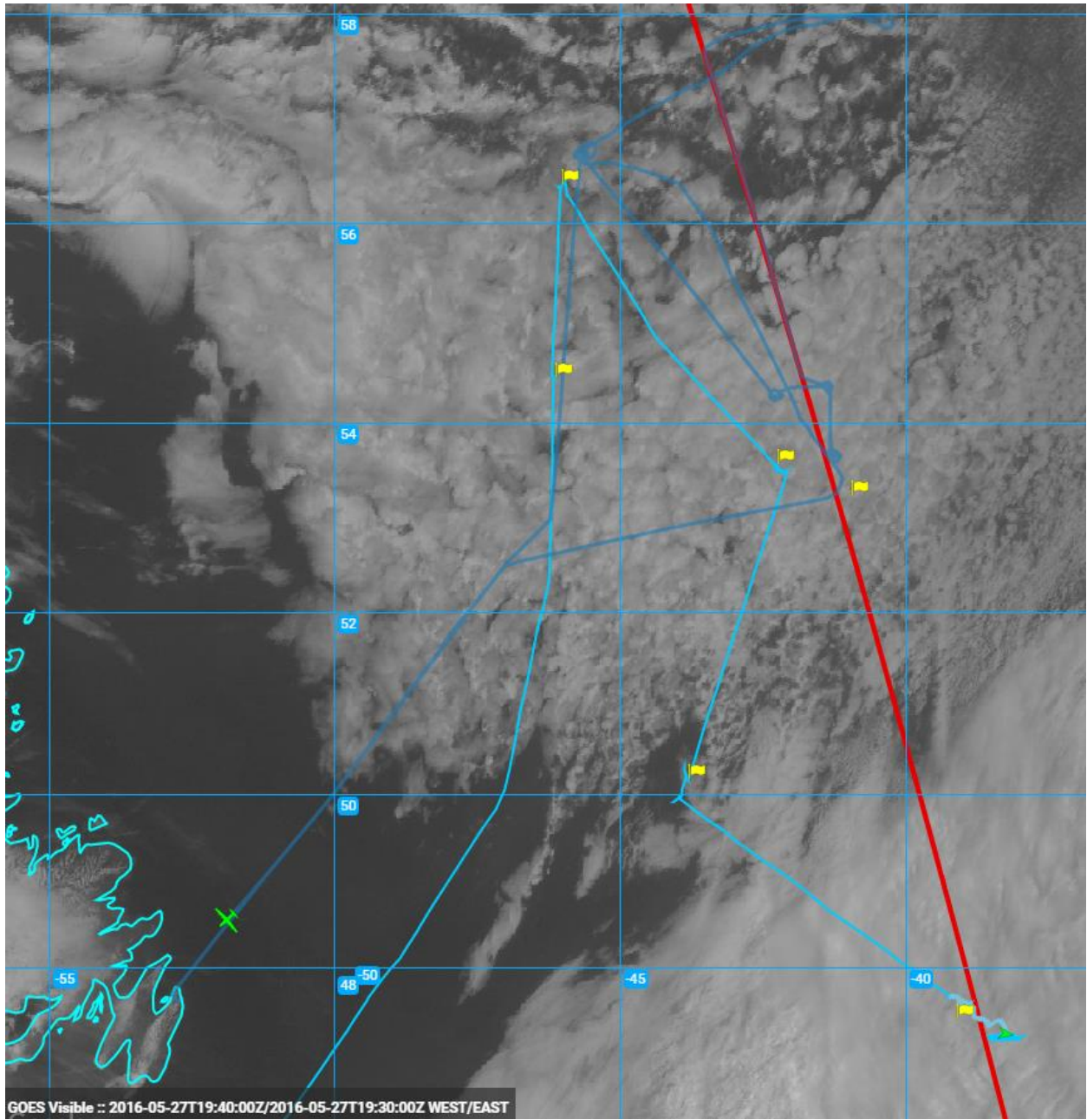


1800Z\_LowAltitudeInLineDescentAscentNearS2





1900Z\_RTb



1950Z\_RTb