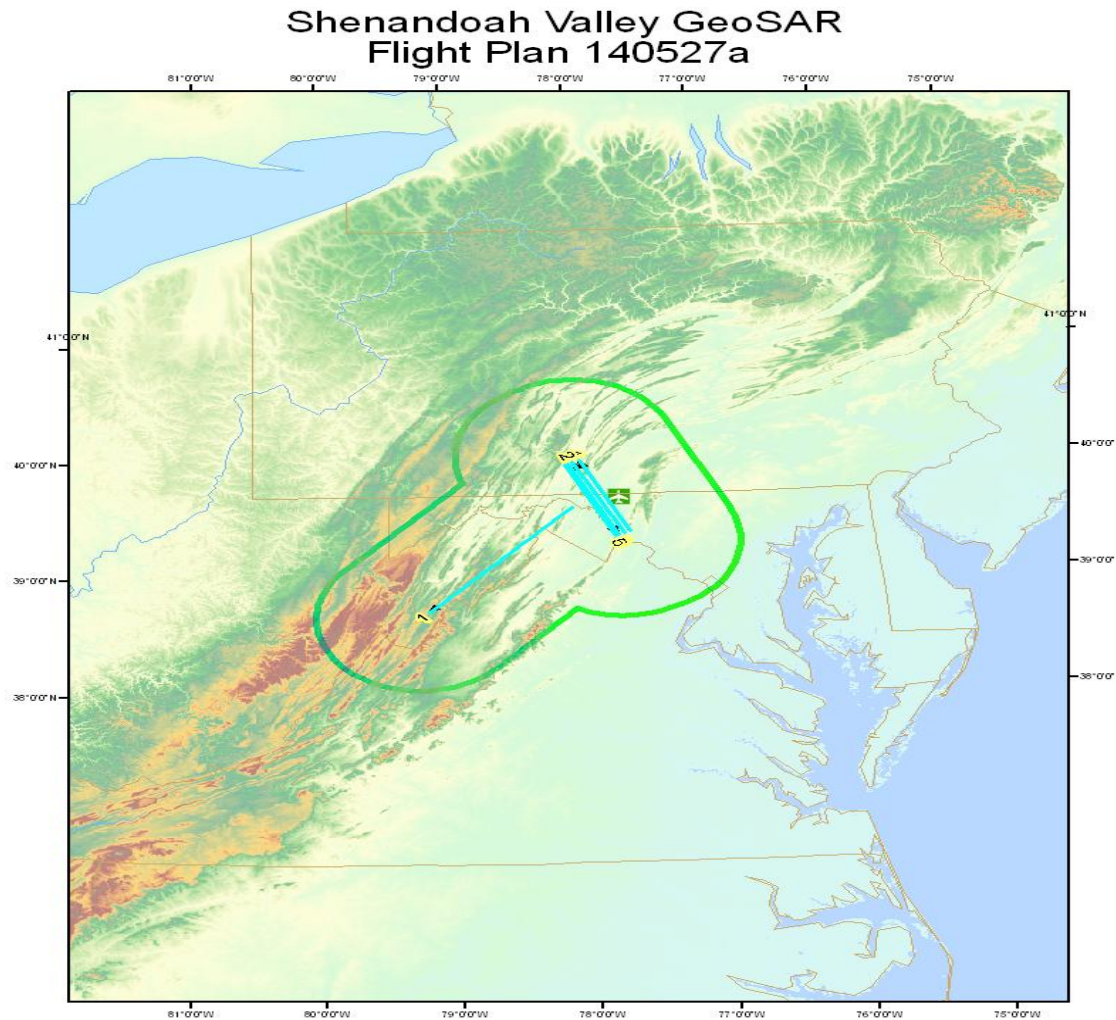


Fugro GeoSAR Engineering Collection

The P-Band Flight area is denoted by 20-nautical-mile standoff area (shown in green), which falls roughly between 80°1'21"W and 76°52'13"W Longitude and 37°59'30"N and 40°44'45"N Latitude. The blue dots represent P-band frequencies that are active in the area. The chart on the next page shows the distance and length of time that the radar is activated for each numbered flight line. Radar is off during turns.



Purpose: Acquire lines over area of interest for engineering and calibration purposes

Mission Duration: This mission is composed of 1 sorties of approximately 4 hours each in duration. The radar on and off points are shown in the attached flight line summary.

Total mission radar activation: 40.95 minutes.

P-band radar will be on for 40.95 minutes.

Total radar activation distance: 286.55 naut. mi.

Flight Altitude: FL370/380

Ground Speed: 420 knots

Frequency Notching: Enter Frequency Notching Info

Stop Buzzer Procedure: A call to the Hagerstown ATC Center will result in immediate contact with the plane (GeoSAR Call Sign: Gulfstream 10123).

Fugro EarthData Office: 301-948-8550 (Mike Rusenko primary / Joe Jones secondary)

Fugro EarthData Ground Crew: 240-215-5667 (Mark Kirsch)

Flight Line#	Direction	Coordinates Radar On		Coordinates Radar Off		Distance of Radar Activation	Radar Activation Duration
		Latitude (deg)	Longitude (deg)	Latitude (deg)	Longitude (deg)		
1	NE to SW	39°40'1"N	78°0'3"W	38°40'8"N	79°15'49"W	83.99 nautical miles	12.00 minutes
2	SE to NW	39°18'32"N	77°38'6"W	40°4'40"N	78°5'48"W	50.84 nautical miles	7.26 minutes
3	NW to SE	40°3'26"N	78°8'10"W	39°17'40"N	77°40'38"W	50.45 nautical miles	7.21 minutes
5	NW to SE	40°2'58"N	78°9'26"W	39°17'13"N	77°41'54"W	50.45 nautical miles	7.21 minutes
4	SE to NW	39°19'33"N	77°35'15"W	40°5'42"N	78°2'56"W	50.84 nautical miles	7.26 minutes
Total						286.55 nautical miles	40.95 minutes

NOTE: ** X-Band and P-Band Line