

B-200 (UC-12B) - LARC 03/22/12

Aircraft: [B-200 \(UC-12B\) - LARC](#) ([See full schedule](#))

Flight Number: G-LiHT 12-02

Payload Configuration: Goddard LiDAR, Hyperspectral and Thermal (G-LiHT) airborne imager .

Nav Data Collected: Yes

Total Flight Time: 3.3 hours

Comments: Science Mission Complete (SOFRS 12B014)

Submitted by: Richard Yasky on 04/03/12

Flight Segments:

From:	LFI	To:	LFI
Start:	03/22/12 18:34 Z	Finish:	03/22/12 21:54 Z
Flight Time:	3.3 hours		
Log Number:	12B014 - Completed as of this flight.	PI:	Bruce Cook
Funding Source:	Bruce Fisher - NASA - SMD - ESD LARC Chief Engineer, Research Services Directorate		
Purpose of Flight:	Science		
Comments:	Goddard's LiDAR, Hyperspectral and Thermal (G-LiHT) airborne imager was installed on LaRC's UC-12. A science data collection flight over the instrumented and monitored Smithsonian Environmental Research Center (SERC) near Edgewater, MD, on 22 March 2012 provided useful structural, spectral, and thermal data in forests during springtime "leaf-off conditions", which will be compared with G-LiHT measurements collected during the peak of the 2011 growing season. An intersecting grid pattern of 23 tightly spaced ground tracks flown at 1000 ft AGL was completed. Extensive flight coordination with the FAA was required to operate within the Washington DC Special Flight Rules Area (SFRA). After data verification, the flights were deemed successful and the instrument was removed from the aircraft. Further G-Light flight operations are scheduled in May returning to the C-206 wing mounted configuration.		

Flight Hour Summary:

	12B014
Flight Hours Approved in SOFRS	6
Total Used	4.51
Total Remaining	1.49

12B014 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
03/21/12	G-LiHT 12-01	Science	1.18	1.18	4.82	
03/22/12	G-LiHT 12-02	Science	3.3	4.48	1.52	

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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