

HU-25A Guardian - LaRC #524 03/20/21

Aircraft: [HU-25A Guardian - LaRC #524](#) (See full schedule)

Flight Number: ACTIVATE 21-058

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 3.4 hours

Submitted by: Luke Delaney on 03/20/21

Flight Segments:

From:	KLFI	To:	KLFI
Start:	03/20/21 08:30 Z	Finish:	03/20/21 11:54 Z
Flight Time:	3.4 hours		
Log Number:	21F001	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	705 miles		
Comments:	<p>Science flight for the HU-25 in support of ACTIVATE Campaign #3, conducted cooperatively with the UC-12. Departed Rwy08 to ATLIC climbing to 5k ft MSL for initial transit. Research profiles conducted from ATLIC-ZIBUT-ATUGI-3620N/07020W-ATUGI-ZIBUT-ATLIC-KLFI. Winds were predominantly from the E-NE at ~20-30 kts with an offshore layer initially encountered from ~2-4 k FT MSL (ATLIC-ZIBUT), followed by a clear section approaching ZIBUT, and then a more complex layer ranging from ~1.6-7 k FT MSL near ATUGI extending through the turn point. Both cloud and clear air modules were completed throughout the flight as conditions warranted, ranging from 500 – 7500 FT MSL. Aircraft geolocation was within ~20 nmi throughout the flight, and generally remained with ~10 nmi during the research-focused portion. All objectives were achieved and no system discrepancies were noted - pending post-flight data analysis. Pilots: Elder/Delaney QNCs: Crosbie/Winstead</p>		

Flight Hour Summary:

	21F001
Flight Hours Approved in SOFRS	200
Total Used	58.7
Total Remaining	141.3

21F001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
01/20/21	ACTIVATE 20-049	Science	3	3	197	700
01/27/21	ACTIVATE 20-049	Science	2.7	5.7	194.3	700
01/29/21	ACTIVATE 21-050	Science	3	8.7	191.3	664
02/03/21	ACTIVATE 21-051	Science	3.1	11.8	188.2	675
03/04/21	ACTIVATE 21-052	Science	3.1	14.9	185.1	675
03/05/21	ACTIVATE 21-054	Science	3.5	18.4	181.6	625
03/05/21	ACTIVATE 21-054	Science	3.2	21.6	178.4	675
03/08/21	ACTIVATE 21-055	Science	3.5	25.1	174.9	690
03/09/21	ACTIVATE 21-056	Science	3.3	28.4	171.6	745

03/12/21	ACTIVATE 21-057	Science	3.5	31.9	168.1	705
03/12/21	ACTIVATE 21-057	Science	3.5	35.4	164.6	705
03/20/21	ACTIVATE 21-xxx	Science	0	35.4	164.6	0
03/20/21	ACTIVATE 21-058	Science	3.4	38.8	161.2	705
03/20/21	ACTIVATE 21-xxx	Science	0	38.8	161.2	0
03/23/21	ACTIVATE 21-059	Science	3.4	42.2	157.8	705
03/25/21	ACTIVATE 21-059	Science	2.5	44.7	155.3	607
03/30/21	ACTIVATE 21-060	Science	3.3	48	152	700
03/30/21	ACTIVATE 21-061	Science	3.7	51.7	148.3	800
04/02/21	ACTIVATE 21-062	Science	3.5	55.2	144.8	720
04/02/21	ACTIVATE 21-063	Science	3.5	58.7	141.3	720

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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