

## HU-25A Guardian - LaRC #524 06/08/21

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

Flight Number: ACTIVATE 21-xxx

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 7 hours

Submitted by: Gregory L. Slover on 06/08/21

### Flight Segments:

<b>From:</b>	KLFI	<b>To:</b>	KLFI
<b>Start:</b>	06/08/21 12:27 Z	<b>Finish:</b>	06/08/21 15:54 Z
<b>Flight Time:</b>	3.5 hours		
<b>Log Number:</b>	<a href="#">21F001</a>	<b>PI:</b>	Armin Sorooshian
<b>Funding Source:</b>	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	700 miles		
<b>Comments:</b>	ACTIVATE statistical research flight flown as planned from KLFI - ATLIC - ZIBUT - TILED and reverse. Altitudes flown varied from 500' AGL to 5000' MSL. Turned just short of TILED due to fuel consumption.		

<b>From:</b>	KLFI	<b>To:</b>	KLFI
<b>Start:</b>	06/08/21 17:30 Z	<b>Finish:</b>	06/08/21 21:00 Z
<b>Flight Time:</b>	3.5 hours		
<b>Log Number:</b>	<a href="#">21F001</a>	<b>PI:</b>	Armin Sorooshian
<b>Funding Source:</b>	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	700 miles		
<b>Comments:</b>	ACTIVATE statistical research flight. The plan was from KLFI - ATLIC - ZIBUT - N3630/W07145 - N3645/W06915 and reverse. Flight deviated from plan in that a fuel management issue prevented going out to the turn point, but not soon after the reversal to come home early, we resolved the issue and aircraft reversed course to continue as far as it could on original plan. We turned short by about 50 nm, but had another 50 nm leg with two extra samples between ZIBUT and N3630/W07145. Altitudes flown varied from 500' AGL to 5000' MSL. On this sortie, the autopilot was inoperative, so this may affect the quality of the winds data as stable 3-min legs are not as good as autopilot on.		

### Flight Hour Summary:

	21F001
<b>Flight Hours Approved in SOFRS</b>	200
<b>Total Used</b>	159.6
<b>Total Remaining</b>	40.4

### 21F001 Flight Reports

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

<a href="#">03/12/21</a>	ACTIVATE 21-057	Science	3.5	31.9	168.1	705
<a href="#">03/12/21</a>	ACTIVATE 21-057	Science	3.5	35.4	164.6	705
<a href="#">03/20/21</a>	ACTIVATE 21-xxx	Science	0	35.4	164.6	0
<a href="#">03/20/21</a>	ACTIVATE 21-xxx	Science	0	35.4	164.6	0
<a href="#">03/20/21</a>	ACTIVATE 21-058	Science	3.4	38.8	161.2	705
<a href="#">03/23/21</a>	ACTIVATE 21-059	Science	3.4	42.2	157.8	705
<a href="#">03/25/21</a>	ACTIVATE 21-059	Science	2.5	44.7	155.3	607
<a href="#">03/30/21</a>	ACTIVATE 21-060	Science	3.3	48	152	700
<a href="#">03/30/21</a>	ACTIVATE 21-061	Science	3.7	51.7	148.3	800
<a href="#">04/02/21</a>	ACTIVATE 21-062	Science	3.5	55.2	144.8	720
<a href="#">04/02/21</a>	ACTIVATE 21-063	Science	3.5	58.7	141.3	720
<a href="#">05/15/21</a>	ACTIVATE 21-063	Science	3.5	62.2	137.8	722
<a href="#">05/18/21</a>	ACTIVATE 21-063	Science	3.5	65.7	134.3	715
<a href="#">05/19/21</a>	ACTIVATE 21-063	Science	3.4	69.1	130.9	715
<a href="#">05/19/21</a>	ACTIVATE 21-063	Science	3.5	72.6	127.4	720
<a href="#">05/20/21</a>	ACTIVATE 21-063	Science	3.3	75.9	124.1	710
<a href="#">05/21/21</a>	ACTIVATE 21-063	Science	3.7	79.6	120.4	730
<a href="#">05/21/21</a>	ACTIVATE 21-063	Science	3.4	83	117	730
<a href="#">05/25/21</a>	ACTIVATE 21-063	Science	3.3	86.3	113.7	710
<a href="#">05/26/21</a>	ACTIVATE 21-063	Science	3.3	89.6	110.4	700
<a href="#">05/26/21</a>	ACTIVATE 21-063	Science	3.3	92.9	107.1	690
<a href="#">06/01/21</a>	ACTIVATE 21-063	Science	3.4	96.3	103.7	720
<a href="#">06/01/21</a>	ACTIVATE 21-063	Science	3.4	99.7	100.3	720
<a href="#">06/02/21</a>	ACTIVATE 21-063	Science	3.3	103	97	720
<a href="#">06/02/21</a>	ACTIVATE 21-063	Science	3.3	106.3	93.7	710
<a href="#">06/05/21</a>	ACTIVATE 21-063	Science	3.2	109.5	90.5	700
<a href="#">06/07/21</a>	ACTIVATE 21-063	Science	3.5	113	87	700
<a href="#">06/07/21</a>	ACTIVATE 21-063	Science	3	116	84	650
<a href="#">06/08/21</a>	ACTIVATE 21-xxx	Science	3.5	119.5	80.5	700
<a href="#">06/08/21</a>	ACTIVATE 21-xxx	Science	3.5	123	77	700
<a href="#">06/15/21</a>	ACTIVATE 21-15June	Science	3.1	126.1	73.9	680
<a href="#">06/16/21</a>	ACTIVATE 21-16June	Science	3.5	129.6	70.4	730
<a href="#">06/17/21</a>	ACTIVATE 21-17June	Science	3.2	132.8	67.2	710
<a href="#">06/22/21</a>	ACTIVATE 21-22June	Science	3.3	136.1	63.9	680
<a href="#">06/24/21</a>	ACTIVATE 21-24June	Science	3.3	139.4	60.6	700
<a href="#">06/26/21</a>	ACTIVATE 26 June x2	Science	3.3	142.7	57.3	650
<a href="#">06/26/21</a>	ACTIVATE 26 June x2	Science	3.4	146.1	53.9	650
<a href="#">06/28/21</a>	ACTIVATE 28 June	Science	3.3	149.4	50.6	660
<a href="#">06/29/21</a>	ACTIVATE 29 June	Science	3.4	152.8	47.2	670
<a href="#">06/30/21</a>	ACTIVATE 30-1 June	Science	3.4	156.2	43.8	680
<a href="#">06/30/21</a>	ACTIVATE 30-2 June	Science	3.4	159.6	40.4	680

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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