

# HU-25A Guardian - LaRC #524 01/20/21

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

Flight Number: ACTIVATE 20-049

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 3 hours

Submitted by: Luke Delaney on 01/27/21

## Flight Segments:

<b>From:</b>	KLFI	<b>To:</b>	KLFI
<b>Start:</b>	01/20/21 13:12 Z	<b>Finish:</b>	01/20/21 16:10 Z
<b>Flight Time:</b>	3 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>	Instrument calibration flight was conducted for an end-to-end assessment of the integration to support science flights. The flight was executed offshore in W-72B at altitudes ranging from 500 ft AGL to 20,000 ft MSL. In flight maneuvers were performed in accordance with provided flight tolerances to validate install and resulting data parameters. All objectives were achieved, and only minor instrument discrepancies were noted for correction during post-flight activities.		

## Flight Hour Summary:

	<b>21F001</b>
<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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