

HU-25A Guardian - LaRC #524 05/21/21

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

Flight Number: ACTIVATE 21-063

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 3.4 hours

Submitted by: Brian Baxley on 05/21/21

Flight Segments:

| | | | |
|---------------------------|---|----------------|------------------|
| From: | KLFI | To: | KLFI |
| Start: | 05/21/21 17:20 Z | Finish: | 05/21/21 20:45 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: | 730 miles | | |
| Comments: | Science flight for the HU-25 in support of ACTIVATE, conducted cooperatively with the UC-12. Departed Rwy08 to ATLIC climbing to 4k ft MSL for initial transit. Research profiles conducted from ATLIC-ZIBUT-STOOG-ZIBUT-ATLIC, from 500' to 5500' MSL. Winds were moderate (| | |

Flight Hour Summary:

| | 21F001 |
|---------------------------------------|--------|
| Flight Hours Approved in SOFRS | 200 |
| Total Used | 159.6 |
| Total Remaining | 40.4 |

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-xxx | Science | 0 | 35.4 | 164.6 | 0 |
| 03/20/21 | ACTIVATE 21-058 | Science | 3.4 | 38.8 | 161.2 | 705 |
| 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 |
| 05/15/21 | ACTIVATE 21-063 | Science | 3.5 | 62.2 | 137.8 | 722 |
| 05/18/21 | ACTIVATE 21-063 | Science | 3.5 | 65.7 | 134.3 | 715 |
| 05/19/21 | ACTIVATE 21-063 | Science | 3.4 | 69.1 | 130.9 | 715 |

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|--------------------------|---------------------|---------|-----|-------|-------|-----|
| 05/19/21 | ACTIVATE 21-063 | Science | 3.5 | 72.6 | 127.4 | 720 |
| 05/20/21 | ACTIVATE 21-063 | Science | 3.3 | 75.9 | 124.1 | 710 |
| 05/21/21 | ACTIVATE 21-063 | Science | 3.7 | 79.6 | 120.4 | 730 |
| 05/21/21 | ACTIVATE 21-063 | Science | 3.4 | 83 | 117 | 730 |
| 05/25/21 | ACTIVATE 21-063 | Science | 3.3 | 86.3 | 113.7 | 710 |
| 05/26/21 | ACTIVATE 21-063 | Science | 3.3 | 89.6 | 110.4 | 700 |
| 05/26/21 | ACTIVATE 21-063 | Science | 3.3 | 92.9 | 107.1 | 690 |
| 06/01/21 | ACTIVATE 21-063 | Science | 3.4 | 96.3 | 103.7 | 720 |
| 06/01/21 | ACTIVATE 21-063 | Science | 3.4 | 99.7 | 100.3 | 720 |
| 06/02/21 | ACTIVATE 21-063 | Science | 3.3 | 103 | 97 | 720 |
| 06/02/21 | ACTIVATE 21-063 | Science | 3.3 | 106.3 | 93.7 | 710 |
| 06/05/21 | ACTIVATE 21-063 | Science | 3.2 | 109.5 | 90.5 | 700 |
| 06/07/21 | ACTIVATE 21-063 | Science | 3.5 | 113 | 87 | 700 |
| 06/07/21 | ACTIVATE 21-063 | Science | 3 | 116 | 84 | 650 |
| 06/08/21 | ACTIVATE 21-xxx | Science | 3.5 | 119.5 | 80.5 | 700 |
| 06/08/21 | ACTIVATE 21-xxx | Science | 3.5 | 123 | 77 | 700 |
| 06/15/21 | ACTIVATE 21-15June | Science | 3.1 | 126.1 | 73.9 | 680 |
| 06/16/21 | ACTIVATE 21-16June | Science | 3.5 | 129.6 | 70.4 | 730 |
| 06/17/21 | ACTIVATE 21-17June | Science | 3.2 | 132.8 | 67.2 | 710 |
| 06/22/21 | ACTIVATE 21-22June | Science | 3.3 | 136.1 | 63.9 | 680 |
| 06/24/21 | ACTIVATE 21-24June | Science | 3.3 | 139.4 | 60.6 | 700 |
| 06/26/21 | ACTIVATE 26 June x2 | Science | 3.3 | 142.7 | 57.3 | 650 |
| 06/26/21 | ACTIVATE 26 June x2 | Science | 3.4 | 146.1 | 53.9 | 650 |
| 06/28/21 | ACTIVATE 28 June | Science | 3.3 | 149.4 | 50.6 | 660 |
| 06/29/21 | ACTIVATE 29 June | Science | 3.4 | 152.8 | 47.2 | 670 |
| 06/30/21 | ACTIVATE 30-1 June | Science | 3.4 | 156.2 | 43.8 | 680 |
| 06/30/21 | 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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