

# HU-25A Guardian - LaRC #524 06/05/21

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: 3.2 hours

Submitted by: Brian Baxley on 06/05/21

**Flight Segments:**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|
| <b>From:</b>              | KLFI                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>To:</b>     | KLFI             |
| <b>Start:</b>             | 06/05/21 14:05 Z                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Finish:</b> | 06/05/21 17:17 Z |
| <b>Flight Time:</b>       | 3.2 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>          | Science flight for the HU-25 in support of ACTIVATE Campaign #4, conducted cooperatively with the UC-12. Route of flight KFLI-ATLIC-ZIBUT-SHOKR-ZIBUT-ATLIC-KLFI (STOOG changed to SHOKR about 15 minutes into the flight). Departed Rwy26 with vectors to the north then east before direct to ATLIC, climbing to 5k ft MSL for initial transit, then descending to 500' MSL approximately 15 nautical miles east of KLFI. Winds were light ( |                |                  |

**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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