

B-200 (UC-12B) - LARC 09/16/20

Aircraft: [B-200 \(UC-12B\) - LARC](#) (See full schedule)

Flight Number: Activate Flight 27

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 3.7 hours

Submitted by: Matthew Coldsnow on 09/21/20

Flight Segments:

| | | | |
|---------------------------|---|----------------|------------------|
| From: | KLFI | To: | KLFI |
| Start: | 09/16/20 15:50 Z | Finish: | 09/16/20 19:35 Z |
| Flight Time: | 3.7 hours | | |
| Log Number: | 20B003 | PI: | Armin Sorooshian |
| Funding Source: | Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program | | |
| Purpose of Flight: | Science | | |
| Miles Flown: | 770 miles | | |
| Comments: | ACTIVATE science flight in conjunction with NASA524 over Atlantic ocean. HSRL and dropsonds not tested due to TCAS failure. Star pattern flown at FL280 with RSP sensor only. | | |

Flight Hour Summary:

| | 20B003 |
|---------------------------------------|--------|
| Flight Hours Approved in SOFRS | 138.3 |
| Total Used | 138.3 |
| Total Remaining | 0 |

20B003 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|-------------------|-------------------|----------|---------------|-----------------|-------------|
| 12/16/19 | Activate CFP | Check | 1.2 | 1.2 | 137.1 | 0 |
| 12/16/19 | Activate ICF | Science | 1.7 | 2.9 | 135.4 | 0 |
| 02/10/20 | Activate Flight 1 | Science | 2.5 | 5.4 | 132.9 | 0 |
| 02/13/20 | Activate Flight 2 | Science | 2.5 | 7.9 | 130.4 | 0 |
| 02/14/20 | Activate Flight 3 | Science | 3.5 | 11.4 | 126.9 | 0 |
| 02/15/20 | Activate Flight 4 | Science | 3.3 | 14.7 | 123.6 | 0 |
| 02/17/20 | Activate Flight 5 | Science | 3.3 | 18 | 120.3 | 0 |
| 02/27/20 | Activate Flight 6 | Science | 3.5 | 21.5 | 116.8 | 0 |
| 02/28/20 | Activate Flight 6 | Science | 4.3 | 25.8 | 112.5 | 0 |
| 02/28/20 | Activate Flight 6 | Science | 4.2 | 30 | 108.3 | 0 |
| 02/29/20 | Activate Flight 7 | Science | 3.4 | 33.4 | 104.9 | 0 |
| 03/01/20 | Activate Flight 8 | Science | 3.8 | 37.2 | 101.1 | 0 |
| 03/01/20 | Activate Flight 8 | Science | 3.5 | 40.7 | 97.6 | 0 |
| 03/02/20 | Activate Flight 9 | Science | 3.3 | 44 | 94.3 | 0 |

| | | | | | | |
|--------------------------|--------------------|---------|-----|-------|------|-----|
| 03/06/20 | Activate Flight 10 | Science | 3.6 | 47.6 | 90.7 | 0 |
| 03/08/20 | Activate Flight 11 | Science | 2.9 | 50.5 | 87.8 | 0 |
| 03/08/20 | Activate Flight 11 | Science | 3.5 | 54 | 84.3 | 0 |
| 03/09/20 | Activate Flight 12 | Science | 3.7 | 57.7 | 80.6 | 0 |
| 03/11/20 | Activate Flight 12 | Science | 3.1 | 60.8 | 77.5 | 0 |
| 03/12/20 | Activate Flight 13 | Science | 3.6 | 64.4 | 73.9 | 0 |
| 03/12/20 | Activate Flight 13 | Science | 3.5 | 67.9 | 70.4 | 0 |
| 08/11/20 | Activate Flight 14 | Science | 2.7 | 70.6 | 67.7 | 0 |
| 08/13/20 | Activate Flight 15 | Science | 3.5 | 74.1 | 64.2 | 400 |
| 08/17/20 | Activate Flight 16 | Science | 3.7 | 77.8 | 60.5 | 725 |
| 08/20/20 | Activate Flight 17 | Science | 3.6 | 81.4 | 56.9 | 0 |
| 08/21/20 | Activate Flight 18 | Science | 3.6 | 85 | 53.3 | 700 |
| 08/25/20 | Activate Flight 19 | Science | 4.1 | 89.1 | 49.2 | 0 |
| 08/26/20 | Activate Flight 20 | Science | 3.8 | 92.9 | 45.4 | 0 |
| 08/28/20 | Activate Flight 21 | Science | 4.1 | 97 | 41.3 | 0 |
| 09/02/20 | Activate Flight 22 | Science | 3.9 | 100.9 | 37.4 | 700 |
| 09/03/20 | Activate Flight 23 | Science | 3.8 | 104.7 | 33.6 | 0 |
| 09/10/20 | Activate Flight 24 | Science | 3.1 | 107.8 | 30.5 | 660 |
| 09/11/20 | Activate Flight 25 | Science | 3.6 | 111.4 | 26.9 | 680 |
| 09/15/20 | Activate Flight 26 | Science | 3.8 | 115.2 | 23.1 | 700 |
| 09/16/20 | Activate Flight 27 | Science | 3.7 | 118.9 | 19.4 | 770 |
| 09/21/20 | Activate Flight 28 | Science | 4 | 122.9 | 15.4 | 783 |
| 09/22/20 | Activate Flight 29 | Science | 4.2 | 127.1 | 11.2 | 800 |
| 09/23/20 | Activate Flight 30 | Science | 3.6 | 130.7 | 7.6 | 800 |
| 09/29/20 | Activate Flight 31 | Science | 4 | 134.7 | 3.6 | 843 |
| 09/30/20 | Activate Flight 32 | Science | 3.6 | 138.3 | 0 | 620 |

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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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Source URL: https://espo.nasa.gov/oracles/flight_reports/B-200_UC-12B_-_LARC_09_16_20