

B-200 - LARC 09/26/13

Aircraft: [B200 - LARC](#) (See full schedule)

Flight Number: 2013 Houston DISCOVER AQ R-016B

Payload Configuration: HSRL 2 and ACAM/GCAS

Nav Data Collected: No

Total Flight Time: 3.9 hours

Submitted by: Richard Yasky on 10/29/13

Flight Segments:

| | | | |
|---------------------------|---|----------------|------------------|
| From: | KEFD | To: | KEFD |
| Start: | 09/26/13 18:00 Z | Finish: | 09/26/13 21:55 Z |
| Flight Time: | 3.9 hours | | |
| Log Number: | 13B201 | PI: | James Crawford |
| Funding Source: | Hal Maring - NASA - SMD - ESD Radiation Science Program | | |
| Purpose of Flight: | Science | | |
| Comments: | DISCOVER AQ.. The second flight departed at 1400L and returned at 1755L for a total of 3.9 hours. The second event had clouds building from the west, but it was mostly clear over our research route. Visibility was reduced to about 10 miles near EFD. The arrival back into EFD was otherwise uneventful with a visual approach to Rwy. 17R. There were a few difficulties with the IRIDIUM comms during the flight but are hoping these will resolved with assistance from the ground crew. Both flights were each flown two loops over the normal route. On the second sortie ATC required us to take a short vector off of the route for traffic, but allowed us to return to course without further interruption. | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 13B201 |
| Flight Hours Approved in SOFRS | 256.4 |
| Total Used | 201.5 |
| Total Remaining | 54.9 |

13B201 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|------------------------|-------------------|----------|---------------|-----------------|-------------|
| 01/08/13 | 2013 DISCOVER AQ I-001 | Science | 1.7 | 1.7 | 254.7 | |
| 01/10/13 | 2013 DISCOVER AQ I-002 | Science | 4.2 | 5.9 | 250.5 | |
| 01/13/13 | 2013 DISCOVER AQ R-003 | Science | 3.7 | 9.6 | 246.8 | |
| 01/13/13 | 2013 DISCOVER AQ R-003 | Science | 2.5 | 12.1 | 244.3 | |
| 01/14/13 | 2013 DISCOVER AQ R-004 | Science | 1.9 | 14 | 242.4 | |
| 01/14/13 | 2013 DISCOVER AQ R-004 | Science | 2.8 | 16.8 | 239.6 | |
| 01/16/13 | 2013 DISCOVER AQ R-005 | Science | 3.7 | 20.5 | 235.9 | |
| 01/16/13 - 01/17/13 | 2013 DISCOVER AQ R-005 | Science | 3.8 | 24.3 | 232.1 | |
| 01/18/13 | 2013 DISCOVER AQ R-006 | Science | 3.6 | 27.9 | 228.5 | |
| 01/18/13 - 01/19/13 | 2013 DISCOVER AQ R-006 | Science | 3.8 | 31.7 | 224.7 | |
| 01/20/13 | 2013 DISCOVER AQ R-007 | Science | 3.7 | 35.4 | 221 | |
| 01/20/13 | 2013 DISCOVER AQ R-007 | Science | 3.7 | 39.1 | 217.3 | |

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|-------------------------------------|---|---------|-----|-------|-------|
| 01/21/13 | 2013 DISCOVER AQ R-008 | Science | 3.6 | 42.7 | 213.7 |
| 01/21/13 | 2013 DISCOVER AQ R-008 | Science | 3.7 | 46.4 | 210 |
| 01/22/13 | 2013 DISCOVER AQ R-009 | Science | 3.9 | 50.3 | 206.1 |
| 01/22/13 - 01/23/13 | 2013 DISCOVER AQ R-009 | Science | 4 | 54.3 | 202.1 |
| 01/30/13 | 2013 DISCOVER AQ R-011 | Science | 4 | 58.3 | 198.1 |
| 01/30/13 - 01/31/13 | 2013 DISCOVER AQ R-011 | Science | 3.8 | 62.1 | 194.3 |
| 01/31/13 | 2013 DISCOVER AQ R-012 | Science | 2.9 | 65 | 191.4 |
| 01/31/13 - 02/01/13 | 2013 DISCOVER AQ R-012 | Science | 3.7 | 68.7 | 187.7 |
| 02/01/13 | 2013 DISCOVER AQ R-013 | Science | 2.9 | 71.6 | 184.8 |
| 02/01/13 - 02/02/13 | 2013 DISCOVER AQ R-013 | Science | 3.9 | 75.5 | 180.9 |
| 02/04/13 | 2013 DISCOVER AQ R-014 | Science | 3.7 | 79.2 | 177.2 |
| 02/04/13 - 02/05/13 | 2013 DISCOVER AQ R-014 | Science | 3.7 | 82.9 | 173.5 |
| 02/06/13 | 2013 DISCOVER AQ R-015 | Science | 3.5 | 86.4 | 170 |
| 08/21/13 | 2013 Houston DISCOVER AQ I-001 | Check | 2.4 | 88.8 | 167.6 |
| 08/23/13 | 2013 Houston DISCOVER AQ I-002 | Check | 2.8 | 91.6 | 164.8 |
| 08/27/13 | 2013 Houston DISCOVER AQ I-003 | Check | 4.2 | 95.8 | 160.6 |
| 09/02/13 | 2013 Houston DISCOVER AQ R-004 | Science | 4.3 | 100.1 | 156.3 |
| 09/02/13 | 2013 Houston DISCOVER AQ R-004 | Science | 1.5 | 101.6 | 154.8 |
| 09/04/13 | 2013 Houston DISCOVER AQ R-005A | Science | 3.7 | 105.3 | 151.1 |
| 09/04/13 | 2013 Houston DISCOVER AQ R-005B | Science | 4.1 | 109.4 | 147 |
| 09/06/13 | 2013 Houston DISCOVER AQ R-006A | Science | 3.8 | 113.2 | 143.2 |
| 09/06/13 | 2013 Houston DISCOVER AQ R-006B | Science | 3.6 | 116.8 | 139.6 |
| 09/10/13 | 2013 Houston DISCOVER AQ GeoCape R-007A | Science | 2.7 | 119.5 | 136.9 |
| 09/10/13 | 2013 Houston DISCOVER AQ GeoCape R-007B | Science | 1.8 | 121.3 | 135.1 |
| 09/10/13 | 2013 Houston DISCOVER AQ GeoCape R-007C | Science | 2.8 | 124.1 | 132.3 |
| 09/11/13 | 2013 Houston DISCOVER AQ R-008A | Science | 3.7 | 127.8 | 128.6 |
| 09/11/13 | 2013 Houston DISCOVER AQ R-008B | Science | 3.7 | 131.5 | 124.9 |
| 09/12/13 | 2013 Houston DISCOVER AQ R-009A | Science | 3.7 | 135.2 | 121.2 |

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|--------------------------|---|---------|-----|-------|-------|
| 09/12/13 | 2013 Houston DISCOVER AQ R-009B | Science | 3.8 | 139 | 117.4 |
| 09/13/13 | 2013 Houston DISCOVER AQ R-010A | Science | 4 | 143 | 113.4 |
| 09/13/13 | 2013 Houston DISCOVER AQ R-010B | Science | 3.8 | 146.8 | 109.6 |
| 09/14/13 | 2013 Houston DISCOVER AQ R-011A | Science | 3.9 | 150.7 | 105.7 |
| 09/14/13 | 2013 Houston DISCOVER AQ R-011B | Science | 3.9 | 154.6 | 101.8 |
| 09/17/13 | 2013 Houston DISCOVER AQ GeoCape R-012A | Science | 3.9 | 158.5 | 97.9 |
| 09/17/13 | 2013 Houston DISCOVER AQ GeoCape R-012B | Science | 4 | 162.5 | 93.9 |
| 09/18/13 | 2013 Houston DISCOVER AQ R-013A | Science | 4 | 166.5 | 89.9 |
| 09/18/13 | 2013 Houston DISCOVER AQ R-013B | Science | 3.8 | 170.3 | 86.1 |
| 09/24/13 | 2013 Houston DISCOVER AQ R-014A & B | Science | 3.7 | 174 | 82.4 |
| 09/24/13 | 2013 Houston DISCOVER AQ R-014A & B | Science | 3.7 | 177.7 | 78.7 |
| 09/25/13 | 2013 Houston DISCOVER AQ R-015A | Science | 3.7 | 181.4 | 75 |
| 09/25/13 | 2013 Houston DISCOVER AQ R-015B | Science | 3.8 | 185.2 | 71.2 |
| 09/26/13 | 2013 Houston DISCOVER AQ R-016A | Science | 3.6 | 188.8 | 67.6 |
| 09/26/13 | 2013 Houston DISCOVER AQ R-016B | Science | 3.9 | 192.7 | 63.7 |
| 09/27/13 | 2013 Houston DISCOVER AQ R-017 | Science | 3.9 | 196.6 | 59.8 |
| 09/28/13 | 2013 Houston DISCOVER AQ R-018 | Science | 3.6 | 200.2 | 56.2 |
| 09/28/13 | 2013 Houston DISCOVER AQ R-018B | Ferry | 1.3 | 201.5 | 54.9 |

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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