

## B-200 - LARC 02/06/13

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

Flight Number: 2013 DISCOVER AQ R-015

Payload Configuration: HSRL 2 and ACAM

Nav Data Collected: No

Total Flight Time: 3.5 hours

Submitted by: Michael S. Wusk on 02/06/13

### Flight Segments:

|                           |   |                |                  |
|---------------------------|---|----------------|------------------|
| <b>From:</b>              | KPMD  | <b>To:</b>     | KPMD             |
| <b>Start:</b>             | 02/06/13 15:45 Z  | <b>Finish:</b> | 02/06/13 19:17 Z |
| <b>Flight Time:</b>       | 3.5 hours   |                |                  |
| <b>Log Number:</b>        | <a href="#">13B201</a>  | <b>PI:</b>     | James Crawford   |
| <b>Funding Source:</b>    | Hal Maring - NASA - SMD - ESD Radiation Science Program   |                |                  |
| <b>Purpose of Flight:</b> | Science   |                |                  |
| <b>Comments:</b>          | Completed DISCOVER AQ flight over northern SJV. 1st flight of day, 20th of deployment (1 PODEX, 19 DAQ). Crew was Kagey, Wusk, Harper. Ops nominal. Rear FOD door left open from before engine start to ensure open status. Closed nominally at end of flight. Low clouds across the SJV. 2nd flight of the day was for PODEX (under separate flight report). |                |                  |

### Flight Hour Summary:

|                                       | 13B201 |
|---------------------------------------|--------|
| <b>Flight Hours Approved in SOFRS</b> | 256.4  |
| <b>Total Used</b>                     | 201.5  |
| <b>Total Remaining</b>                | 54.9   |

### 13B201 Flight Reports

| Date                                | Flt #                  | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|------------------------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">01/08/13</a>            | 2013 DISCOVER AQ I-001 | Science           | 1.7      | 1.7           | 254.7           |             |
| <a href="#">01/10/13</a>            | 2013 DISCOVER AQ I-002 | Science           | 4.2      | 5.9           | 250.5           |             |
| <a href="#">01/13/13</a>            | 2013 DISCOVER AQ R-003 | Science           | 3.7      | 9.6           | 246.8           |             |
| <a href="#">01/13/13</a>            | 2013 DISCOVER AQ R-003 | Science           | 2.5      | 12.1          | 244.3           |             |
| <a href="#">01/14/13</a>            | 2013 DISCOVER AQ R-004 | Science           | 1.9      | 14            | 242.4           |             |
| <a href="#">01/14/13</a>            | 2013 DISCOVER AQ R-004 | Science           | 2.8      | 16.8          | 239.6           |             |
| <a href="#">01/16/13</a>            | 2013 DISCOVER AQ R-005 | Science           | 3.7      | 20.5          | 235.9           |             |
| <a href="#">01/16/13 - 01/17/13</a> | 2013 DISCOVER AQ R-005 | Science           | 3.8      | 24.3          | 232.1           |             |
| <a href="#">01/18/13</a>            | 2013 DISCOVER AQ R-006 | Science           | 3.6      | 27.9          | 228.5           |             |
| <a href="#">01/18/13 - 01/19/13</a> | 2013 DISCOVER AQ R-006 | Science           | 3.8      | 31.7          | 224.7           |             |
| <a href="#">01/20/13</a>            | 2013 DISCOVER AQ R-007 | Science           | 3.7      | 35.4          | 221             |             |
| <a href="#">01/20/13</a>            | 2013 DISCOVER AQ R-007 | Science           | 3.7      | 39.1          | 217.3           |             |
| <a href="#">01/21/13</a>            | 2013 DISCOVER AQ R-008 | Science           | 3.6      | 42.7          | 213.7           |             |

|                                     |   |         |     |       |       |
|-------------------------------------|---|---------|-----|-------|-------|
| <a href="#">01/21/13</a>            | 2013 DISCOVER AQ R-008                  | Science | 3.7 | 46.4  | 210   |
| <a href="#">01/22/13</a>            | 2013 DISCOVER AQ R-009                  | Science | 3.9 | 50.3  | 206.1 |
| <a href="#">01/22/13 - 01/23/13</a> | 2013 DISCOVER AQ R-009                  | Science | 4   | 54.3  | 202.1 |
| <a href="#">01/30/13</a>            | 2013 DISCOVER AQ R-011                  | Science | 4   | 58.3  | 198.1 |
| <a href="#">01/30/13 - 01/31/13</a> | 2013 DISCOVER AQ R-011                  | Science | 3.8 | 62.1  | 194.3 |
| <a href="#">01/31/13</a>            | 2013 DISCOVER AQ R-012                  | Science | 2.9 | 65    | 191.4 |
| <a href="#">01/31/13 - 02/01/13</a> | 2013 DISCOVER AQ R-012                  | Science | 3.7 | 68.7  | 187.7 |
| <a href="#">02/01/13</a>            | 2013 DISCOVER AQ R-013                  | Science | 2.9 | 71.6  | 184.8 |
| <a href="#">02/01/13 - 02/02/13</a> | 2013 DISCOVER AQ R-013                  | Science | 3.9 | 75.5  | 180.9 |
| <a href="#">02/04/13</a>            | 2013 DISCOVER AQ R-014                  | Science | 3.7 | 79.2  | 177.2 |
| <a href="#">02/04/13 - 02/05/13</a> | 2013 DISCOVER AQ R-014                  | Science | 3.7 | 82.9  | 173.5 |
| <a href="#">02/06/13</a>            | 2013 DISCOVER AQ R-015                  | Science | 3.5 | 86.4  | 170   |
| <a href="#">08/21/13</a>            | 2013 Houston DISCOVER AQ I-001          | Check   | 2.4 | 88.8  | 167.6 |
| <a href="#">08/23/13</a>            | 2013 Houston DISCOVER AQ I-002          | Check   | 2.8 | 91.6  | 164.8 |
| <a href="#">08/27/13</a>            | 2013 Houston DISCOVER AQ I-003          | Check   | 4.2 | 95.8  | 160.6 |
| <a href="#">09/02/13</a>            | 2013 Houston DISCOVER AQ R-004          | Science | 4.3 | 100.1 | 156.3 |
| <a href="#">09/02/13</a>            | 2013 Houston DISCOVER AQ R-004          | Science | 1.5 | 101.6 | 154.8 |
| <a href="#">09/04/13</a>            | 2013 Houston DISCOVER AQ R-005A         | Science | 3.7 | 105.3 | 151.1 |
| <a href="#">09/04/13</a>            | 2013 Houston DISCOVER AQ R-005B         | Science | 4.1 | 109.4 | 147   |
| <a href="#">09/06/13</a>            | 2013 Houston DISCOVER AQ R-006A         | Science | 3.8 | 113.2 | 143.2 |
| <a href="#">09/06/13</a>            | 2013 Houston DISCOVER AQ R-006B         | Science | 3.6 | 116.8 | 139.6 |
| <a href="#">09/10/13</a>            | 2013 Houston DISCOVER AQ GeoCape R-007A | Science | 2.7 | 119.5 | 136.9 |
| <a href="#">09/10/13</a>            | 2013 Houston DISCOVER AQ GeoCape R-007B | Science | 1.8 | 121.3 | 135.1 |
| <a href="#">09/10/13</a>            | 2013 Houston DISCOVER AQ GeoCape R-007C | Science | 2.8 | 124.1 | 132.3 |
| <a href="#">09/11/13</a>            | 2013 Houston DISCOVER AQ R-008A         | Science | 3.7 | 127.8 | 128.6 |
| <a href="#">09/11/13</a>            | 2013 Houston DISCOVER AQ R-008B         | Science | 3.7 | 131.5 | 124.9 |
| <a href="#">09/12/13</a>            | 2013 Houston DISCOVER AQ R-009A         | Science | 3.7 | 135.2 | 121.2 |
| <a href="#">09/12/13</a>            | 2013 Houston DISCOVER AQ R-009B         | Science | 3.8 | 139   | 117.4 |

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