

## P-3 Orion 08/12/17

**Aircraft:**

P-3 Orion - WFF ([See full schedule](#))

**Flight Number:**

Science Flight #1

**Payload Configuration:**

ORACLES

**Nav Data Collected:**

No

**Archive Data:**

[20170812](#) (17 binary files; 39 image files; 22 archive (plain-text) files)

**Total Flight Time:**

8.5 hours

**Submitted by:**

Mike Cropper on 08/14/17

**Flight Segments:**

|                           |   |                |                  |
|---------------------------|---|----------------|------------------|
| <b>From:</b>              | FPST  | <b>To:</b>     | FPST             |
| <b>Start:</b>             | 08/12/17 08:11 Z  | <b>Finish:</b> | 08/12/17 16:39 Z |
| <b>Flight Time:</b>       | 8.5 hours   |                |                  |
| <b>Log Number:</b>        | <a href="#">17P001</a>                                  | <b>PI:</b>     | Jens Redemann    |
| <b>Funding Source:</b>    | Hal Maring - NASA - SMD - ESD Radiation Science Program |                |                  |
| <b>Purpose of Flight:</b> | Science   |                |                  |

**Flight Hour Summary:**

|                                       | 17P001 |
|---------------------------------------|--------|
| <b>Flight Hours Approved in SOFRS</b> | 179.5  |
| <b>Total Used</b>                     | 154.9  |
| <b>Total Remaining</b>                | 24.6   |

**17P001 Flight Reports**

| Date                     | Flt #                     | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|---------------------------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">07/15/17</a> | Airworthiness Test Flight | Check             | 1.2      | 1.2           | 178.3           |             |
| <a href="#">07/16/17</a> | Project Test Flight #1    | Check             | 4        | 5.2           | 174.3           |             |
| <a href="#">07/17/17</a> | Project Test Flight #2    | Check             | 3.1      | 8.3           | 171.2           |             |
| <a href="#">08/01/17</a> | Transit Flight #1         | Transit           | 6.2      | 14.5          | 165             |             |
| <a href="#">08/07/17</a> | Transit Flight #2         | Transit           | 10.1     | 24.6          | 154.9           |             |
| <a href="#">08/09/17</a> | Transit Flight #3/Science | Transit           | 7.8      | 32.4          | 147.1           |             |
| <a href="#">08/12/17</a> | Science Flight #1         | Science           | 8.5      | 40.9          | 138.6           |             |
| <a href="#">08/13/17</a> | Science Flight #2         | Science           | 9.1      | 50            | 129.5           |             |
| <a href="#">08/15/17</a> | Science Flight #3         | Science           | 9.2      | 59.2          | 120.3           |             |
| <a href="#">08/17/17</a> | Science Flight #4         | Science           | 9.1      | 68.3          | 111.2           |             |
| <a href="#">08/18/17</a> | Science Flight #5         | Science           | 5.5      | 73.8          | 105.7           |             |
| <a href="#">08/19/17</a> | Science Flight #6         | Science           | 2.2      | 76            | 103.5           | 0           |
| <a href="#">08/21/17</a> | Science Flight #7         | Science           | 8.3      | 84.3          | 95.2            | 0           |
| <a href="#">08/24/17</a> | Science Flight #8         | Science           | 9.4      | 93.7          | 85.8            | 0           |
| <a href="#">08/26/17</a> | Science Flight #9         | Science           | 9.7      | 103.4         | 76.1            | 0           |
| <a href="#">08/28/17</a> | Science Flight #10        | Science           | 9.5      | 112.9         | 66.6            | 0           |
| <a href="#">08/30/17</a> | Science Flight #11        | Science           | 8.9      | 121.8         | 57.7            | 0           |
| <a href="#">08/31/17</a> | Science Flight #12        | Science           | 8.3      | 130.1         | 49.4            | 0           |
| <a href="#">09/02/17</a> | Transit Flight #1/Science | Transit           | 8.7      | 138.8         | 40.7            |             |
| <a href="#">09/03/17</a> | Transit Flight #2         | Transit           | 9.7      | 148.5         | 31              |             |

|                          |                   |         |     |       |      |
|--------------------------|-------------------|---------|-----|-------|------|
| <a href="#">09/04/17</a> | Transit Flight #3 | Transit | 5.9 | 154.4 | 25.1 |
| <a href="#">09/04/17</a> | Transit Flight #4 | Transit | 0.5 | 154.9 | 24.6 |

*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.*

**Related Science Report:**

## ORACLES - P-3 Orion 08/12/17 Science Report

**Mission:**

ORACLES

**Mission Summary:**

See attached file.

**File:**

[PRF01\\_Y17\\_12August\\_FlightScienceReport\\_final.pdf](#)

**Submitted by:**

Jens Redemann on 08/14/17

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