

## P-3 Orion - WFF 08/28/17

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

Flight Number: Science Flight #10

Payload Configuration: ORACLES

Nav Data Collected: No

Archive Data: [20170828](#) (109 binary files; 39 image files; 25 archive (plain-text) files)

Total Flight Time: 9.5 hours

Submitted by: Mike Cropper on 08/30/17

### Flight Segments:

<b>From:</b>	FPST	<b>To:</b>	FPST
<b>Start:</b>	08/28/17 07:55 Z	<b>Finish:</b>	08/28/17 17:25 Z
<b>Flight Time:</b>	9.5 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:

	<b>17P001</b>
<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 08/28/17 Science Report**

**Mission:** ORACLES

**Mission Summary:**

flight along 5E to 11S, a simplified radiation wall between 10-11S, cloudy boundary layer profiling between 8-11S, aerosol plume sampling at 4km, 3km to 4S, high-altitude remote sensing + 'lava lamp' sampling on return.

**File:**

 [PRF10\\_Y17\\_28August\\_FlightScienceReport\\_fulltemplate.pdf](#)

**Submitted by:** Paquita Zuidema on 08/29/17

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