

## P-3 Orion - WFF 10/19/18

**Aircraft:**

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

**Flight Number:**

ORACLES Science Flight #11

**Payload Configuration:**

ORACLES

**Nav Data Collected:**

No

**Archive Data:**

[20181019](#) (65 binary files; 39 image files; 23 archive (plain-text) files)

**Total Flight Time:**

8 hours

**Submitted by:**

Mike Cropper on 10/19/18

**Flight Segments:**

<b>From:</b>	FPST	<b>To:</b>	FPST
<b>Start:</b>	10/19/18 07:50 Z	<b>Finish:</b>	10/19/18 15:50 Z
<b>Flight Time:</b>	8 hours		
<b>Log Number:</b>	<a href="#">19P018</a>	<b>PI:</b>	Jens Redemann
<b>Funding Source:</b>	Hal Maring - NASA - SMD - ESD Radiation Science Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	1800 miles		

**Flight Hour Summary:**

	18P004	19P018
<b>Flight Hours Approved in SOFRS</b>	188.5	
<b>Flight Hours Previously Approved</b>		144
<b>Total Used</b>	44.5	110
<b>Total Remaining</b>		34

**19P018 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/02/18</a>	ORACLES Science Flight #3	Science	8.5	8.5	135.5	1940
<a href="#">10/03/18</a>	ORACLES Science Flight #4	Science	8.5	17	127	1970
<a href="#">10/05/18</a>	ORACLES Science Flight #5	Science	9	26	118	2000
<a href="#">10/07/18</a>	ORACLES Science Flight #6	Science	8.4	34.4	109.6	2000
<a href="#">10/10/18</a>	ORACLES Science Flight #7	Science	8.3	42.7	101.3	1970
<a href="#">10/12/18</a>	ORACLES Science Flight #8	Science	5.3	48	96	800
<a href="#">10/15/18</a>	ORACLES Science Flight #9	Science	7.8	55.8	88.2	1700
<a href="#">10/17/18</a>	ORACLES Science Flight #10	Science	8.5	64.3	79.7	2000
<a href="#">10/19/18</a>	ORACLES Science Flight #11	Science	8	72.3	71.7	1800
<a href="#">10/21/18</a>	ORACLES Science Flight #12	Science	8.2	80.5	63.5	1800
<a href="#">10/23/18</a>	ORACLES Science Flight #13	Science	8.1	88.6	55.4	1800

<a href="#">10/25/18</a>	ORACLES Transit #1	Transit	7.8	96.4	47.6	2009
<a href="#">10/26/18</a>	ORACLES Transit #2	Transit	7	103.4	40.6	2100
<a href="#">10/27/18</a>	ORACLES Transit #3	Transit	5.8	109.2	34.8	1692
<a href="#">10/27/18</a>	ORACLES Transit #4	Transit	0.8	110	34	72

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/P-3\\_Orion\\_-\\_WFF\\_10\\_19\\_18](https://airbornescience.nasa.gov/flight_reports/P-3_Orion_-_WFF_10_19_18)

Page Last Updated: April 22, 2017

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NASA Official: Bruce A. Tagg

**Related Science Report:**

## ORACLES - P-3 Orion - WFF 10/19/18 Science Report

**Mission:**

ORACLES

**Mission Summary:**

Sample near Angola coast of fresh aerosol, but with lower aerosol loading than previous flight. 2 square spirals in similar location, first without clouds, second above overcast. Significant cloud sampling with above-, below-, in-cloud, and sawtooth sampling.

**File:**

[PRF11\\_Y18\\_1019\\_FlightScienceReport.pdf](#)

**Submitted by:**

Samuel LeBlanc on 07/15/19

*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.*

18P004 Flight Reports						
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">09/17/18</a>	ORACLES ATF	Check	1.3	1.3	187.2	0
<a href="#">09/19/18</a>	ORACLES PTF	Check	3.7	5	183.5	0
<a href="#">09/21/18</a>	ORACLES Transit #1	Transit	6.3	11.3	177.2	1716
<a href="#">09/22/18</a>	ORACLES Transit #2	Transit	8.2	19.5	169	2131
<a href="#">09/24/18</a>	ORACLES Transit #3/Science Flight	Transit	9.3	28.8	159.7	2500
<a href="#">09/27/18</a>	ORACLES Science Flight #1	Science	8	36.8	151.7	1875
<a href="#">09/30/18</a>	ORACLES Science Flight #2	Science	7.7	44.5	144	2400