

ORACLES - P-3 Orion 09/04/16 Science Report

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

Date: Sunday, September 4, 2016

Mission: ORACLES

Mission Location: Namibia

Mission Summary:

routine flight out to 10S, 0E along a diagonal from 20S, 10E. Two full profiles were done along the way, beginning at 20S and 15S, 10S was reached thereafter, and the plane basically transited back home, with some sampling of the aerosol deck and embedded mid-level clouds centered around 17S.

Submitted by: Paquita Zuidema on 10/14/16

File:

 [PRF04_04SeptY16_MissionReportv1.pdf](#)

Related Flight Report:

P-3 Orion 09/04/16

Flight Number: ORACLES Science flight #4

Payload Configuration: ORACLES

Nav Data Collected: No

Total Flight Time: 8 hours

Archive Data: [20160904](#) (22 archive (plain-text) files; 79 binary files)

Submitted by: Mike Cropper on 09/06/16

Flight Segments:

From:	FYWB	To:	FYWB
Start:	09/04/16 07:30 Z	Finish:	09/04/16 15:30 Z
Flight Time:	8 hours		
Log Number:	16P001	PI:	Jens Redemann
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	16P001
Flight Hours Approved in SOFRS	160
Total Used	155
Total Remaining	5

16P001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
07/31/16	ATF #1	Check	1.2	1.2	158.8	
08/02/16	PTF #1	Check	2.8	4	156	
08/05/16	PTF #2	Check	3.9	7.9	152.1	
08/12/16	ATF #2	Check	0.8	8.7	151.3	
08/24/16	Transit Flight #1	Transit	6	14.7	145.3	
08/25/16	Transit Flight #2	Transit	9.7	24.4	135.6	
08/27/16	Transit Flight #3	Transit	6.8	31.2	128.8	
08/30/16	ORACLES Science flight #1	Science	1.6	32.8	127.2	
08/31/16	ORACLES Science flight #2	Science	8.1	40.9	119.1	

09/02/16	ORACLES Science flight #3	Science	8.1	49	111
09/04/16	ORACLES Science flight #4	Science	8	57	103
09/06/16	ORACLES Science flight #5	Science	8	65	95
09/08/16	ORACLES Science flight #6	Science	8.1	73.1	86.9
09/10/16	ORACLES Science flight #7	Science	8.1	81.2	78.8
09/12/16	ORACLES Science flight #8	Science	8.4	89.6	70.4
09/14/16	ORACLES Science flight #9	Science	8.1	97.7	62.3
09/18/16	ORACLES Science flight #10	Science	8.2	105.9	54.1
09/20/16	ORACLES Science flight #11	Science	8.4	114.3	45.7
09/24/16	ORACLES Science flight #12	Science	9.2	123.5	36.5
09/25/16	ORACLES Science flight #13	Science	8.8	132.3	27.7
09/27/16	Return Transit #1	Transit	7.3	139.6	20.4
09/29/16	Return Transit #2	Transit	9.2	148.8	11.2
09/30/16	Return Transit #3	Transit	5.5	154.3	5.7
09/30/16	Return Transit #4	Transit	0.7	155	5

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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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