

## P-3 Orion 11/03/17

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

Flight Number: OIB-Ushuaia Science Flight #3

Payload Configuration: OIB - Ushuaia 2018

Nav Data Collected: No

Total Flight Time: 9 hours

Submitted by: Janet Letchworth on 11/05/17

### Flight Segments:

<b>From:</b>	SAWH	<b>To:</b>	SAWH
<b>Start:</b>	11/03/17 12:38 Z	<b>Finish:</b>	11/03/17 21:36 Z
<b>Flight Time:</b>	9 hours		
<b>Log Number:</b>	<a href="#">18P006</a>	<b>PI:</b>	Nathan Kurtz
<b>Funding Source:</b>	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	OIB flew the baseline priority South Peninsula B mission today		

### Flight Hour Summary:

	18P006
<b>Flight Hours Approved in SOFRS</b>	151
<b>Total Used</b>	156
<b>Total Remaining</b>	-5

### 18P006 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/17/17</a>	OIB - Airworthiness Test Flight	Check	1.1	1.1	149.9	
<a href="#">10/18/17</a>	OIB - Project Test Flight	Check	3.5	4.6	146.4	
<a href="#">10/19/17</a>	OIB PTF - Radar	Check	4.5	9.1	141.9	
<a href="#">10/23/17</a>	OIB - Transit leg #1	Transit	7.1	16.2	134.8	
<a href="#">10/24/17</a>	OIB - Transit leg #2	Transit	6.5	22.7	128.3	
<a href="#">10/25/17</a>	OIB - Transit leg #3	Transit	7	29.7	121.3	
<a href="#">10/29/17 - 10/30/17</a>	OIB-Ushuaia Science Flight #1	Science	9.7	39.4	111.6	
<a href="#">10/31/17</a>	OIB-Ushuaia Science Flight #2	Science	8.9	48.3	102.7	
<a href="#">11/03/17</a>	OIB-Ushuaia Science Flight #3	Science	9	57.3	93.7	
<a href="#">11/04/17</a>	OIB-Ushuaia Science Flight #4	Science	9.3	66.6	84.4	
<a href="#">11/12/17</a>	OIB-Ushuaia Science Flight #5	Science	9.5	76.1	74.9	
<a href="#">11/14/17</a>	OIB-Ushuaia Science Flight #6	Science	9.8	85.9	65.1	
<a href="#">11/16/17</a>	OIB-Ushuaia Science Flight #7	Science	9.1	95	56	
<a href="#">11/21/17</a>	OIB-Ushuaia Science Flight #8	Science	9.4	104.4	46.6	
<a href="#">11/22/17 - 11/23/17</a>	OIB-Ushuaia Science Flight #9	Science	9.9	114.3	36.7	
<a href="#">11/24/17</a>	OIB-Ushuaia Science Flight #10	Science	9.6	123.9	27.1	
<a href="#">11/25/17 - 11/26/17</a>	OIB-Ushuaia Science Flight #11	Science	9.5	133.4	17.6	

<a href="#">11/27/17</a>	OIB-Ushuaia SAWH-SCDA Transit Flight	Transit	7	140.4	10.6
<a href="#">11/28/17</a>	OIB-Ushuaia SCDA-MROC Transit Flight	Transit	7	147.4	3.6
<a href="#">11/29/17</a>	OIB-Ushuaia MROC-KNGU Transit Flight	Transit	6.3	153.7	-2.7
<a href="#">11/29/17</a>	OIB-Ushuaia KNGU-KWAL Transit Flight	Transit	0.8	154.5	-3.5
<a href="#">12/04/17</a>	OIB-Post Mission Calibration Flight	Science	1.5	156	-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.*

**Related Science Report:**

## OIB - P-3 Orion 11/03/17 Science Report

**Mission:** OIB

**Mission Summary:**

This is primarily a repeat flight, designed to re-fly a portion of a coast-parallel grid on the west side of Dyer Plateau, with grid lines spaced at 20 km. This grid is intended to assess dh/dt in this area, and on its south end it connects with a similarly-designed grid in the English Coast 03 flight. The remainder of this grid is flown in the companion South Peninsula A flight.

Overall, it was a good day for data collection. Clouds were present on a small part of the southernmost edge of the flight path impacting ATM and DMS, but good data was collected the rest of the line. All instruments worked well today, though with the gravimeter ground station stuck in the sea cargo data gaps may be possible along the line.

**Data volumes**

ATM: T6: 53 Gb    T7: 63 Gb

FLIR: 7.0 Gb

Cambot: 20 Gb

KT19: 12 Mb

DMS: 33.5 Gb

MCoRDS: 534.0 Gb

Gravity/Magnetometer: 3 Gb

Accumulation radar: 586 Gb

Snow/Ku radar: 589 Gb

data on: 1555

data off: 1845

**File:**

 [south\\_penB\\_map.pdf](#)

**Submitted by:** Nathan T. Kurtz on 11/03/17

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