

POSIDON - WB-57 #927 10/21/16 Science Report

Aircraft: [WB-57 - JSC #927](#) ([See full schedule](#))

Date: Friday, October 21, 2016

Mission: POSIDON

Mission Location: Guam

Mission Summary:

This flight is designed to explore the chemical composition in the tropical tropopause layer in the region south of Guam.

Submitted by: Susan Kimi McFadden on 11/11/16

File:

 [POSIDON_RF06_report.pdf](#)

Related Flight Report:

WB-57 #927 10/21/16

Flight Number: 12

Payload Configuration: POSIDON

Nav Data Collected: No

Total Flight Time: 5.6 hours

Archive Data: [20161021](#) (12 archive (plain-text) files; 21 image files)

Submitted by: Debra Willett on 10/25/16

Flight Segments:

From:	PGUM	To:	PGUM
Start:	10/21/16 10:24 Z	Finish:	10/21/16 16:00 Z
Flight Time:	5.6 hours		
Log Number:	17W003	PI:	Eric Jensen
Funding Source:	Ken Jucks - NASA - SMD - ESD Upper Atmosphere Research Program		
Purpose of Flight:	Science		
Comments:	Payloads: MMS, DLH, SID3, CPI, 2DS, SO2, H2O, POPS, WAS, PANTHER AND 03 LITE. SATCOM type was INMARSAT. High flight. This mission flew southeast of Guam approximately 1000 nm and returned. Several deep dives were flown outbound along with sine wave type altitude changes between FL490 and FL560 (est.).		

Flight Hour Summary:

	16W007	17W003
Flight Hours Approved in SOFRS	58	42
Flight Hours Previously Approved		50.5
Total Used	7.5	90.3
Total Remaining		2.2

17W003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/01/16	3	Ferry	4.4	4.4	88.1	
10/02/16	4	Ferry	5.7	10.1	82.4	
10/03/16	5	Ferry	5.9	16	76.5	
10/09/16	6	Ferry	4.2	20.2	72.3	
10/12/16	7	Science	5.7	25.9	66.6	
10/14/16	8	Science	5.3	31.2	61.3	
10/15/16	9	Science	4.8	36	56.5	
10/18/16	10	Science	5.7	41.7	50.8	

10/19/16	11	Science	5.7	47.4	45.1
10/21/16	12	Science	5.6	53	39.5
10/24/16	13	Check	1.3	54.3	38.2
10/25/16	14	Science	4.5	58.8	33.7
10/26/16	15	Science	5.5	64.3	28.2
10/28/16	16	Science	5.4	69.7	22.8
10/31/16	17	Ferry	5.2	74.9	17.6
11/01/16	18	Ferry	5.9	80.8	11.7
11/02/16	19	Ferry	5.6	86.4	6.1
11/03/16	20	Ferry	3.9	90.3	2.2

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Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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.

16W007 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
09/13/16	1	Science	2.1	2.1	55.9	
09/15/16	2	Science	5.4	7.5	50.5	