

ER-2 #809 10/29/15

Aircraft:

[ER-2 - AFRC #809](#) (See full schedule)

Flight Number:

16-9010

Payload Configuration:

HyspIRI CA Fall 2015; PRISM AITT Test Flights; AVIRIS Calibration

Nav Data Collected:

Yes

Total Flight Time:

5.6 hours

Comments:

Flight 16-9010 successfully completed the HyspIRI Campaign! Flight 16-9010 took off at 0935 local and landed at 1510 local (5.6 hours). Overall, a great flight! The pilot was Neeley.

Submitted by:

Kevin Walsh on 10/30/15

Flight Segments:

From:	PMD	To:	PMD
Date:	10/29/15		
Flight Time:	1.8 hours		
Log Number:	162021 - Completed as of this flight.	PI:	Robert Green
Funding Source:	Woody Turner - NASA - SMD - ESD Biological Diversity		
Purpose of Flight:	Science		
Comments:	Flight 16-9010 successfully completed the HyspIRI Campaign (FR162021)! The Yosemite lines were 100% sky clear!		

From:	PMD	To:	PMD
Date:	10/30/15		
Flight Time:	1.9 hours		
Log Number:	162017 - Completed as of this flight.	PI:	Pantazis Mouroulis
Funding Source:	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
Purpose of Flight:	Science		
Comments:	PRISM portion of the flight over Santa Monica Bay. Beautiful sky clear all day except the far SW corner of the Santa Monica Bay lines. Overall 98% clear for Santa Monica Bay		

From:	PMD	To:	PMD
Date:	10/30/15		
Flight Time:	1.9 hours		
Log Number:	162020	PI:	Robert Green
Funding Source:	Diane Wickland - NASA - SMD - ESD Terrestrial Ecology		
Purpose of Flight:	Check		
Comments:	For AVIRIS calibration, the Ivanpah lines were 100% sky clear.		

Flight Hour Summary:

	152021	162021
Flight Hours Approved in SOFRS	128.2	
Flight Hours Previously Approved		29.7
Total Used	98.5	29.7
Total Remaining		0

162021 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
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10/02/15	16-9001	Science	6.9	6.9	22.8
10/13/15	16-9004	Science	5.1	12	17.7
10/20/15	16-9007	Science	5.5	17.5	12.2
10/21/15	16-9008	Science	6.7	24.2	5.5
10/22/15	16-9009	Science	3.7	27.9	1.8
10/29/15	16-9010	Science	1.8	29.7	-0

162017 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/29/15	16-9009	Check	2	2	8	
10/30/15	16-9010	Science	1.9	3.9	6.1	

172033 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/06/17	17-9023	Check	0.5	0.5	14.2	

162020 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/30/15	16-9010	Check	1.9	1.9	26.5	
10/30/15	16-9012	Science	4.2	6.1	22.3	
01/12/16	16-9031	Science	3.2	9.3	19.1	
01/14/16	16-9035	Science	2.4	11.7	16.7	
02/09/16	16-9039	Science	2	13.7	14.7	

152015 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/07/14	15-6004	Science	3	3	30.2	
04/21/15	15-9034	Check	1.8	4.8	28.4	

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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.

142019 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
08/18/14 - 08/19/14	14-9038	Science	7.8	7.8	3.2	

	142019	152015	162020	172033
Flight Hours Approved in SOFRS	11	30		
Flight Hours Previously Approved		3.2	28.4	14.7
Total Used	7.8	4.8	13.7	0.5
Total Remaining				14.2

	152011	162017
Flight Hours Approved in SOFRS	10	
Flight Hours Previously Approved		10
Total Used	0	3.9
Total Remaining		6.1

152021 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/06/14	15-6001	Science	4.1	4.1	124.1	
10/27/14	15-6003	Science	6.3	10.4	117.8	
11/17/14	15-6005	Science	4.9	15.3	112.9	
11/24/14	15-6010	Science	5.5	20.8	107.4	
04/16/15	15-9032	Science	6	26.8	101.4	
04/17/15	15-9033	Science	3.6	30.4	97.8	
04/28/15	15-9035	Science	7.3	37.7	90.5	
04/29/15	15-9036	Science	5.2	42.9	85.3	
04/30/15	15-9037	Science	6.3	49.2	79	
05/05/15	15-9038	Science	6.9	56.1	72.1	
05/28/15	15-9043	Science	7.7	63.8	64.4	
06/01/15	15-9044	Science	4.6	68.4	59.8	
06/02/15	15-9045	Science	7.5	75.9	52.3	
06/03/15	15-9046	Science	1.8	77.7	50.5	
06/08/15	15-9047	Science	5.1	82.8	45.4	
06/11/15	15-9048	Science	7.7	90.5	37.7	
08/24/15	15-9052	Science	5.6	96.1	32.1	
08/26/15	15-9053	Check	1.3	97.4	30.8	
08/27/15	15-9054	Check	1.1	98.5	29.7	