

ER-2 - AFRC #809 09/17/20

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

Flight Number: 20-9055

Payload Configuration: AVIRIS, MASTER, PICARD, HyTES, MVIS Computer

Nav Data Collected: Yes

Total Flight Time: 3.1 hours

Comments: This was the first flight with the WDTS payload. Conducted a science instrument check out. There was a delay for takeoff due to INMARSAT satellite connections. Take off was 1157 local. Instruments had a few anomalies. HyTES will need to check instrument connections. AVIRIS, MASTER, and PICARD need to check data post flight. Initial data checked good. Weather had a lot of high clouds, Salton Sea was mostly clear with bands of Cirrus. San Diego coast was mostly clear. Very smoky from Antelope Valley to the North. Landed 1502. Tim Williams was the pilot.

Submitted by: Fran Becker on 09/17/20

Flight Segments:

From:	PMD	To:	PMD
Start:	09/17/20 18:57 Z	Finish:	09/17/20 22:02 Z
Flight Time:	3.1 hours		
Log Number:	202018	PI:	Robert Green
Funding Source:	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
Purpose of Flight:	Science		
Miles Flown:	832 miles		

Flight Hour Summary:

	192019	202018	212020
Flight Hours Approved in SOFRS	45		
Flight Hours Previously Approved		35.2	13.5
Total Used	9.8	21.7	29
Total Remaining			-15.5

212020 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/05/20	21-9001	Science	3.2	3.2	10.3	1061
10/06/20	21-9002	Science	3.1	6.3	7.2	1061
10/07/20	21-9003	Science	7.9	14.2	-0.7	0
10/12/20	21-9005	Science	1.1	15.3	-1.8	0
10/13/20	21-9006	Science	7.6	22.9	-9.4	2869
10/15/20	21-9007	Science	6.1	29	-15.5	2266

202018 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/01/19	20-9001	Science	5.5	5.5	29.7	2085
09/17/20	20-9055	Science	3.1	8.6	26.6	832
09/24/20	20-9056	Science	6.5	15.1	20.1	1986
09/25/20	20-9056	Science	0.6	15.7	19.5	229
09/30/20	20-9056	Science	6	21.7	13.5	2292

Source URL: https://espo.nasa.gov/oracles/flight_reports/ER-2_-_AFRC_809_09_17_20

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Marilyn Vasques

Flight Tracks:

Attachment	Size
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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.

192019 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
09/12/19	19-9026	Science	2.2	2.2	42.8	836
09/20/19	19-9027	Science	2.1	4.3	40.7	798
09/25/19	19-9028	Science	5.5	9.8	35.2	0