

## 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:

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

### Flight Hour Summary:

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

### 212020 Flight Reports

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

### 202018 Flight Reports

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

Source URL: [https://espo.nasa.gov/aase/flight\\_reports/ER-2\\_-\\_AFRC\\_809\\_09\\_17\\_20](https://espo.nasa.gov/aase/flight_reports/ER-2_-_AFRC_809_09_17_20)

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### 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
<a href="#">09/12/19</a>	19-9026	Science	2.2	2.2	42.8	836
<a href="#">09/20/19</a>	19-9027	Science	2.1	4.3	40.7	798
<a href="#">09/25/19</a>	19-9028	Science	5.5	9.8	35.2	0