

## DC-8 - AFRC 08/20/21 - 08/21/21

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Flight Number: 1370

Payload Configuration: CPEX-AW 2021

Nav Data Collected: Yes

Total Flight Time: 5.5 hours

Submitted by: Charles E. Irving on 08/21/21

### Flight Segments:

<b>From:</b>	TISX	<b>To:</b>	TISX
<b>Start:</b>	08/20/21 15:01 Z	<b>Finish:</b>	08/21/21 00:30 Z
<b>Flight Time:</b>	5.5 hours		
<b>Log Number:</b>	<a href="#">218016</a>	<b>PI:</b>	Amin Nehrir
<b>Funding Source:</b>	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	First CPEX-AW Science mission. Primary objective was observation of Saharan Air Layer (SAL) dust in conjunction with with Aeolus underpass. Overall good science flight. Aircraft returned with no write-ups. DAWN had some issues with temperatures early in flight. APR-3 had power outlet issue which was resolved in flight. HAMSR and HALO had great flights. Dropsondes had some issues with losing signal on the dropsondes. Decreased speed seemed to help at times. 265 knots seemed to be the preferred speed for drops.		

### Flight Hour Summary:

	<b>218016</b>
<b>Flight Hours Approved in SOFRS</b>	150
<b>Total Used</b>	72.4
<b>Total Remaining</b>	77.6

### 218016 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">08/05/21</a>	1365	Check	1.4	1.4	148.6	0
<a href="#">08/06/21</a>	1366	Check	2.9	4.3	145.7	0
<a href="#">08/11/21</a>	1367	Check	4.3	8.6	141.4	0
<a href="#">08/17/21</a>	1369	Ferry	6.6	15.2	134.8	0
<a href="#">08/20/21 - 08/21/21</a>	1370	Science	5.5	20.7	129.3	0
<a href="#">08/21/21 - 08/22/21</a>	1371	Science	6.8	27.5	122.5	0
<a href="#">08/24/21</a>	1372	Science	6.2	33.7	116.3	0
<a href="#">08/26/21 - 08/27/21</a>	1373	Science	6.7	40.4	109.6	0
<a href="#">08/28/21 - 08/29/21</a>	1374	Science	7.5	47.9	102.1	0
<a href="#">09/01/21</a>	1375	Science	9.9	57.8	92.2	0
<a href="#">09/04/21</a>	1376	Science	5.9	63.7	86.3	0
<a href="#">09/09/21</a>	1377	Maintenance	1.9	65.6	84.4	0
<a href="#">09/15/21</a>	1378	Transit	6.8	72.4	77.6	0

*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.*

Page Editor: Brad Bulger

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