

## DC-8 - AFRC 08/02/19 - 08/03/19

**Aircraft:**

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

**Flight Number:**

1338

**Payload Configuration:**

FIREX-AQ 2019 Configuration

**Nav Data Collected:**

Yes

**Total Flight Time:**

6.1 hours

**Submitted by:**

Charles E. Irving on 08/03/19

**Flight Segments:**

<b>From:</b>	KBOI	<b>To:</b>	KBOI
<b>Start:</b>	08/02/19 21:09 Z	<b>Finish:</b>	08/03/19 03:13 Z
<b>Flight Time:</b>	6.1 hours		
<b>Log Number:</b>	<a href="#">198002</a>	<b>PI:</b>	Barry Lefer
<b>Funding Source:</b>	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	2752 miles		
<b>Comments:</b>	<p>After take-off, proceeded to initial target, Nevada Mountain fire near Great Falls, MT. Did not sample due to significant overcast and weather in vicinity of fire and plume. Headed to next target, Ridge Top fire located 150 miles to the east. Observed pyro cumulus cloud, but small plume due to lack of wind. Samples downwind showed little chemistry, but as we proceeded became heavily concentrated. Made several in-situ passes transecting the plume between 12-18K feet, and a remote sensing passes at 25K and 30K feet. The third target was the Lick Creek and Micah fires near Coeur D'Alene, ID. Made several in-situ passes transecting the plume between 10-11K feet, and remote sensing passes at 25K and 29K feet. Flight was ended early due to inop TAWS (landing required prior to night fall) discovered preflight.</p>		

**Flight Hour Summary:**

	<b>198002</b>
<b>Flight Hours Approved in SOFRS</b>	150
<b>Total Used</b>	158.1
<b>Total Remaining</b>	-8.1

**198002 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">07/09/19 - 07/10/19</a>	1325	Check	3	3	147	1020
<a href="#">07/15/19 - 07/16/19</a>	1327	Check	3.5	6.5	143.5	1505
<a href="#">07/22/19 - 07/23/19</a>	1333	Science	6.8	13.3	136.7	2924
<a href="#">07/24/19 - 07/25/19</a>	1334	Science	3.4	16.7	133.3	1462
<a href="#">07/25/19 - 07/26/19</a>	1335	Science	6.1	22.8	127.2	2623
<a href="#">07/29/19 - 07/30/19</a>	1336	Science	6.9	29.7	120.3	2967
<a href="#">07/30/19 - 07/31/19</a>	1337	Science	7.2	36.9	113.1	3096

<a href="#">08/02/19 - 08/03/19</a>	1338	Science	6.1	43	107	2752
<a href="#">08/03/19 - 08/04/19</a>	1339	Science	6.8	49.8	100.2	2924
<a href="#">08/06/19 - 08/07/19</a>	1340	Science	7.5	57.3	92.7	3225
<a href="#">08/07/19 - 08/08/19</a>	1341	Science	6.7	64	86	2881
<a href="#">08/08/19 - 08/09/19</a>	1342	Science	6.4	70.4	79.6	2752
<a href="#">08/12/19 - 08/13/19</a>	1343	Science	7.8	78.2	71.8	3354
<a href="#">08/13/19 - 08/14/19</a>	1344	Science	7.6	85.8	64.2	3268
<a href="#">08/15/19 - 08/16/19</a>	1345	Science	6.5	92.3	57.7	2795
<a href="#">08/16/19 - 08/17/19</a>	1346	Science	7.5	99.8	50.2	3225
<a href="#">08/19/19</a>	1347	Transit	2.2	102	48	946
<a href="#">08/21/19</a>	1348	Science	6.5	108.5	41.5	2580
<a href="#">08/23/19</a>	1349	Science	6.9	115.4	34.6	2967
<a href="#">08/26/19 - 08/27/19</a>	1350	Science	8.1	123.5	26.5	3483
<a href="#">08/29/19</a>	1351	Science	5.3	128.8	21.2	2279
<a href="#">08/30/19</a>	1352	Science	8.8	137.6	12.4	3784
<a href="#">08/31/19 - 09/01/19</a>	1353	Science	7.2	144.8	5.2	3096
<a href="#">09/03/19</a>	1354	Science	7.7	152.5	-2.5	0
<a href="#">09/05/19</a>	1355	Transit	5.6	158.1	-8.1	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.*

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