

## DC-8 - AFRC 08/29/19

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

Flight Number: 1351

Payload Configuration: FIREX-AQ 2019 Configuration

Nav Data Collected: Yes

Total Flight Time: 5.3 hours

Submitted by: Chris Jennison on 08/31/19

### Flight Segments:

<b>From:</b>	KSLN	<b>To:</b>	KSLN
<b>Start:</b>	08/29/19 16:55 Z	<b>Finish:</b>	08/29/19 22:14 Z
<b>Flight Time:</b>	5.3 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>	2279 miles		
<b>Comments:</b>	<p>This flight focused on two planned grass management fires and then on targets of opportunity. The aircraft departed Salina and headed to the Hickory Ridge arranged fire south of Lincoln, Nebraska. A high transect across the fire at 15,000 feet was made followed by a spiral descent to 7,000 feet for remote sensing. The aircraft descended to 1000 feet and nine passes for in situ sampling both along wind and across wind to characterize combustion products and trajectories were made. The aircraft proceeded to Tall Grass Prairie, Kansas where one high pass and eight low passes were conducted. With the remaining time two targets near Ft. Riley, Kansas and two targets in Oklahoma were sampled.</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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