

## DC-8 05/17/16 - 05/18/16

**Aircraft:**

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

**Flight Number:**

1097

**Payload Configuration:**

KORUS-AQ Configuration

**Nav Data Collected:**

Yes

**Total Flight Time:**

8.3 hours

**Comments:**

Science flight #9. The purpose of this flight was to determine the extent of air contaminants moving west to east across the Yellow Sea and survey the southeast corridor between Seoul and Busan. Air this day seemed particularly foul based on instrument teams' remarks over the intercom. The first Yellow Sea pass on the southbound run was at 24,000 feet. The next runs were at 500 feet, 1000 feet, and 3,500 feet. The southeast runs towards Busan were at 23,000 feet, 1000 feet, and 4000 feet. Stereoroute patterns were at the beginning, middle, and end of the flight.

**Submitted by:**

Chris Jennison on 05/19/16

**Flight Segments:**

|                           |   |                |                  |
|---------------------------|---|----------------|------------------|
| <b>From:</b>              | RKSO  | <b>To:</b>     | RKSO             |
| <b>Start:</b>             | 05/17/16 23:05 Z  | <b>Finish:</b> | 05/18/16 07:22 Z |
| <b>Flight Time:</b>       | 8.3 hours   |                |                  |
| <b>Log Number:</b>        | <a href="#">168007</a>  | <b>PI:</b>     | James Crawford   |
| <b>Funding Source:</b>    | Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program |                |                  |
| <b>Purpose of Flight:</b> | Science   |                |                  |

**Images:**

### Flight track



[Read more](#)

**Flight Hour Summary:**

|                                       |               |
|---------------------------------------|---------------|
|                                       | <b>168007</b> |
| <b>Flight Hours Approved in SOFRS</b> | 163.6         |
| <b>Total Used</b>                     | 189.2         |
| <b>Total Remaining</b>                | -25.6         |

**168007 Flight Reports**

| Date                                | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|-------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">04/15/16</a>            | 1082  | Check             | 1.5      | 1.5           | 162.1           |             |
| <a href="#">04/18/16</a>            | 1084  | Science           | 3.5      | 5             | 158.6           |             |
| <a href="#">04/22/16</a>            | 1086  | Science           | 3.3      | 8.3           | 155.3           |             |
| <a href="#">04/26/16</a>            | 1087  | Transit           | 4.7      | 13            | 150.6           |             |
| <a href="#">04/26/16 - 04/27/16</a> | 1088  | Science           | 9.5      | 22.5          | 141.1           |             |
| <a href="#">05/01/16 - 05/02/16</a> | 1089  | Science           | 7.7      | 30.2          | 133.4           |             |
| <a href="#">05/03/16 - 05/04/16</a> | 1090  | Science           | 8.2      | 38.4          | 125.2           |             |

|                                     |      |         |     |       |       |
|-------------------------------------|------|---------|-----|-------|-------|
| <a href="#">05/04/16 - 05/05/16</a> | 1091 | Science | 4.7 | 43.1  | 120.5 |
| <a href="#">05/06/16 - 05/07/16</a> | 1092 | Science | 8.1 | 51.2  | 112.4 |
| <a href="#">05/10/16 - 05/11/16</a> | 1093 | Science | 8.1 | 59.3  | 104.3 |
| <a href="#">05/11/16 - 05/12/16</a> | 1094 | Science | 8   | 67.3  | 96.3  |
| <a href="#">05/12/16 - 05/13/16</a> | 1095 | Science | 4.5 | 71.8  | 91.8  |
| <a href="#">05/16/16 - 05/17/16</a> | 1096 | Science | 8.2 | 80    | 83.6  |
| <a href="#">05/17/16 - 05/18/16</a> | 1097 | Science | 8.3 | 88.3  | 75.3  |
| <a href="#">05/19/16 - 05/20/16</a> | 1098 | Science | 8.1 | 96.4  | 67.2  |
| <a href="#">05/21/16 - 05/22/16</a> | 1099 | Science | 9.4 | 105.8 | 57.8  |
| <a href="#">05/24/16 - 05/25/16</a> | 1100 | Science | 8.3 | 114.1 | 49.5  |
| <a href="#">05/26/16</a>            | 1101 | Science | 4.2 | 118.3 | 45.3  |
| <a href="#">05/29/16 - 05/30/16</a> | 1102 | Science | 8.5 | 126.8 | 36.8  |
| <a href="#">05/30/16 - 05/31/16</a> | 1103 | Science | 8.2 | 135   | 28.6  |
| <a href="#">06/01/16 - 06/02/16</a> | 1104 | Science | 8.2 | 143.2 | 20.4  |
| <a href="#">06/02/16 - 06/03/16</a> | 1105 | Science | 8.3 | 151.5 | 12.1  |
| <a href="#">06/04/16 - 06/05/16</a> | 1106 | Science | 8.5 | 160   | 3.6   |
| <a href="#">06/08/16 - 06/09/16</a> | 1107 | Science | 8.1 | 168.1 | -4.5  |
| <a href="#">06/09/16 - 06/10/16</a> | 1108 | Science | 8.3 | 176.4 | -12.8 |
| <a href="#">06/14/16</a>            | 1109 | Transit | 8.2 | 184.6 | -21   |
| <a href="#">06/14/16</a>            | 1110 | Science | 4.6 | 189.2 | -25.6 |

*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 Last Updated: April 22, 2017

Page Editor: Katja Drdla

NASA Official: Marilyn Vasques

---

**Source URL:** [https://espoarchive.nasa.gov/flight\\_reports/DC-8\\_05\\_17\\_16\\_-\\_05\\_18\\_16](https://espoarchive.nasa.gov/flight_reports/DC-8_05_17_16_-_05_18_16)