

DC-8 09/04/13

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

Flight Number: 130616

Payload Configuration: SEAC4RS2013

Nav Data Collected: Yes

Total Flight Time: 8.3 hours

Submitted by: Walter E Klein on 09/11/13

Flight Segments:

| | | | |
|---------------------------|--|----------------|------------------|
| From: | KEFD | To: | KEFD |
| Start: | 09/04/13 12:23 Z | Finish: | 09/04/13 20:39 Z |
| Flight Time: | 8.3 hours | | |
| Log Number: | 138301 | PI: | Kent Shiffer |
| Funding Source: | Hal Maring - NASA - SMD - ESD Radiation Science Program | | |
| Purpose of Flight: | Science | | |
| Comments: | Out and back from Ellington field TX. Gulf of Mexico convection genesis mission. Initial boundary layer legs to central gulf for marine cumulus. Flew boundary legs initially and proceeded to mid level phase of cumulus development where DC-8 had multiple crossing legs. Initial plan to under fly AURA was cancelled because there was no visible cloud buildup under the swath. Coordinated short time with SPEC LEAR at mid level in central Gulf. Coordinated with ER-2 for sampling. Finished with short boundary run upon return to Ellington. | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 138301 |
| Flight Hours Approved in SOFRS | 187 |
| Total Used | 180.6 |
| Total Remaining | 6.4 |

138301 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|--------|-------------------|----------|---------------|-----------------|-------------|
| 08/01/13 | 130601 | Check | 1.8 | 1.8 | 185.2 | |
| 08/02/13 - 08/03/13 | 130602 | Check | 4.1 | 5.9 | 181.1 | |
| 08/05/13 | 130603 | Check | 5 | 10.9 | 176.1 | |
| 08/06/13 - 08/07/13 | 130604 | Science | 8.7 | 19.6 | 167.4 | |
| 08/08/13 - 08/09/13 | 130605 | Science | 7.8 | 27.4 | 159.6 | |
| 08/12/13 | 130606 | Science | 8.2 | 35.6 | 151.4 | |
| 08/14/13 | 130607 | Science | 7.3 | 42.9 | 144.1 | |
| 08/16/13 | 130608 | Science | 8.4 | 51.3 | 135.7 | |
| 08/19/13 | 130609 | Science | 8.5 | 59.8 | 127.2 | |
| 08/21/13 | 130610 | Science | 7.7 | 67.5 | 119.5 | |
| 08/23/13 | 130611 | Science | 7.4 | 74.9 | 112.1 | |
| 08/26/13 - 08/27/13 | 130612 | Science | 7.7 | 82.6 | 104.4 | |
| 08/27/13 - 08/28/13 | 130613 | Science | 8.7 | 91.3 | 95.7 | |
| 08/30/13 - 08/31/13 | 130614 | Science | 7.9 | 99.2 | 87.8 | |
| 09/02/13 | 130615 | Science | 8.7 | 107.9 | 79.1 | |
| 09/04/13 | 130616 | Science | 8.3 | 116.2 | 70.8 | |
| 09/06/13 | 130617 | Science | 8.5 | 124.7 | 62.3 | |

| | | | | | |
|---|--------|---------|-----|-------|------|
| 09/09/13 | 130618 | Science | 6.7 | 131.4 | 55.6 |
| 09/11/13 | 130619 | Science | 8.8 | 140.2 | 46.8 |
| 09/13/13 | 130620 | Science | 8.1 | 148.3 | 38.7 |
| 09/16/13 | 130621 | Science | 8.1 | 156.4 | 30.6 |
| 09/18/13 | 130622 | Science | 7.6 | 164 | 23 |
| 09/21/13 - 09/22/13 | 130623 | Science | 9.1 | 173.1 | 13.9 |
| 09/23/13 - 09/24/13 | 130624 | Transit | 7.5 | 180.6 | 6.4 |

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.

Related Science Report:

SEAC4RS - DC-8 09/04/13 Science Report

Mission: SEAC4RS

Mission Summary:

see attached pdf

File:

 [DC8MissionScienceReport_20130904_Mace_Luo.pdf](#)

Submitted by: Jack Dibb on 09/06/13

Page Last Updated: April 22, 2017

Page Editor: Katja Drdla

NASA Official: Marilyn Vasques

Source URL: https://espoarchive.nasa.gov/flight_reports/DC-8_09_04_13#comment-0