

## ER-2 #809 05/12/14

Aircraft: [ER-2 - AFRC #809](#) ([See full schedule](#))

Flight Number: 14-9019

Payload Configuration: AMPR, HIWRAP, CRS, EXRAD, COSMIR, LIP, INMARSAT

Nav Data Collected: Yes

Total Flight Time: 6.2 hours

Submitted by: Chris Miller on 05/14/14

### Flight Segments:

|                           |   |                |                  |
|---------------------------|---|----------------|------------------|
| <b>From:</b>              | WRB   | <b>To:</b>     | WRB              |
| <b>Start:</b>             | 05/12/14 10:13 Z  | <b>Finish:</b> | 05/12/14 16:25 Z |
| <b>Flight Time:</b>       | 6.2 hours   |                |                  |
| <b>Log Number:</b>        | <a href="#">142017</a>  | <b>PI:</b>     | David Starr      |
| <b>Funding Source:</b>    | Hal Maring - NASA - SMD - ESD Radiation Science Program   |                |                  |
| <b>Purpose of Flight:</b> | Science   |                |                  |
| <b>Comments:</b>          | This flight was for the Radar Definition Experiment (RADEX), with an objective of off-shore precipitation. Light rain and weak convection had been forecasted the day prior. Conditions on flight day were much different with strong, organized convection, and some clouds towering to 50K ft. The ER-2 flew several racetracks over the tops and to the sides of cloud bands while the Citation flew to the sides of and through the more manageable clouds. The convection, induced by the warm sea surface temperatures, persisted throughout the flight. All instruments functioned except COSMIR, and the aircraft returned in good shape. |                |                  |

### Images:

## Larry Hilliard and Carl Sorenson with COSMIR



[Read more](#)

### Flight Hour Summary:

|                                       |               |
|---------------------------------------|---------------|
|                                       | <b>142017</b> |
| <b>Flight Hours Approved in SOFRS</b> | 15            |
| <b>Total Used</b>                     | 15            |
| <b>Total Remaining</b>                | 0             |

### 142017 Flight Reports

| Date                     | Flt #   | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|---------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">05/12/14</a> | 14-9019 | Science           | 6.2      | 6.2           | 8.8             |             |
| <a href="#">05/28/14</a> | 14-9025 | Science           | 5.5      | 11.7          | 3.3             |             |
| <a href="#">06/06/14</a> | 14-9031 | Science           | 3.3      | 15            | 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.*

NASA Official: Bruce A. Tagg

---

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_809\\_05\\_12\\_14#comment-0](https://airbornescience.nasa.gov/flight_reports/ER-2_809_05_12_14#comment-0)