

SIERRA 11/15/11

Aircraft: [SIERRA - ARC](#) (See full schedule)

Flight Number: 63

Payload Configuration: HSI for Herwitz A40 missions

Nav Data Collected: No

Total Flight Time: 1.12 hours

Submitted by: Matthew Fladeland on 11/21/11

Flight Segments:

| | | | |
|---------------------------|--|----------------|--------------------|
| From: | Crow's Landing, CA | To: | Crow's Landing, CA |
| Start: | 11/15/11 12:51 Z | Finish: | 11/15/11 13:58 Z |
| Flight Time: | 1.12 hours | | |
| Log Number: | 12R018 | PI: | Stanley Herwitz |
| Funding Source: | Bruce Tagg - NASA - SMD - ESD Airborne Science Program | | |
| Purpose of Flight: | Check | | |
| Comments: | An adjustment was made to the frame rate of the imager and more data was collected at 1500' AGL over the canal to the south of the airfield. Different GCS antenna configurations were tried (short omni, tall omni and yagi) to determine if greater range could be achieved with the 900 MHz control link. The aircraft was flown out to a distance of 3 miles using a remote ground based observer and signal strength data was collected. The performance of the newly installed transponder was checked with Nor Cal Approach and they received a strong signal with correct altitude reporting. Noise measurements were made with the aircraft on the ground and at altitudes from 500 – 2000 ft. This provides an initial look at the noise footprint of the aircraft. The second SIERRA pilot, Mike Conrardy, performed the takeoff and landing. There were no aircraft squawks and the aircraft and its systems performed well. | | |

Flight Hour Summary:

| | 12R018 | 13R006 |
|---|--------|--------|
| Flight Hours Approved in SOFRS | 192 | |
| Flight Hours Previously Approved | | 175.73 |
| Total Used | 16.27 | 0 |
| Total Remaining | | 175.73 |

Source URL: https://airbornescience.nasa.gov/flight_reports/SIERRA_11_15_11_0#comment-0

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Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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.

12R018 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|-------|-------------------|----------|---------------|-----------------|-------------|
| 11/15/11 | 62 | Check | 0.75 | 0.75 | 191.25 | |
| 11/15/11 | 63 | Check | 1.12 | 1.87 | 190.13 | |
| 08/24/12 | 66 | Check | 1.2 | 3.07 | 188.93 | |
| 10/13/12 | 72 | Check | 0.9 | 3.97 | 188.03 | |
| 10/14/12 | 73 | Science | 3 | 6.97 | 185.03 | |
| 10/17/12 | 74 | Check | 0.5 | 7.47 | 184.53 | |
| 10/17/12 | 75 | Science | 4.2 | 11.67 | 180.33 | |
| 10/18/12 | 76 | Science | 1.2 | 12.87 | 179.13 | |
| 10/20/12 | 77 | Science | 3.4 | 16.27 | 175.73 | |