

## Global Hawk #871 09/17/13

Aircraft: [Global Hawk - AFRC #871](#) ([See full schedule](#))

Flight Number: 871-0092

Payload Configuration: HS3 - TN871 2013 config

Nav Data Collected: No

Total Flight Time: 4.5 hours

Submitted by: Chris Naftel on 09/18/13

### Flight Segments:

|                           |                                                                                                                                                                 |                |                  |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|
| <b>From:</b>              | WFF                                                                                                                                                             | <b>To:</b>     | WFF              |
| <b>Start:</b>             | 09/17/13 14:00 Z                                                                                                                                                | <b>Finish:</b> | 09/17/13 18:30 Z |
| <b>Flight Time:</b>       | 4.5 hours                                                                                                                                                       |                |                  |
| <b>Log Number:</b>        | <a href="#">13H010</a>                                                                                                                                          | <b>PI:</b>     | Marilyn Vasques  |
| <b>Funding Source:</b>    | Hal Maring - NASA - SMD - ESD Radiation Science Program                                                                                                         |                |                  |
| <b>Purpose of Flight:</b> | Science                                                                                                                                                         |                |                  |
| <b>Comments:</b>          | About 2 hours into the flight, one of four navigation units failed and a return to base was executed per the action called out in the Flight Operations Manual. |                |                  |

### Flight Hour Summary:

|                                       | 13H010 |
|---------------------------------------|--------|
| <b>Flight Hours Approved in SOFRS</b> | 459.1  |
| <b>Total Used</b>                     | 272.4  |
| <b>Total Remaining</b>                | 186.7  |

### 13H010 Flight Reports

| Date                                | Flt #    | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|----------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">08/01/13</a>            | 872-0111 | Check             | 5        | 5             | 454.1           |             |
| <a href="#">08/08/13</a>            | 871-0087 | Check             | 4.6      | 9.6           | 449.5           |             |
| <a href="#">08/14/13</a>            | 871-0088 | Ferry             | 10.8     | 20.4          | 438.7           |             |
| <a href="#">08/16/13</a>            | 872-0112 | Ferry             | 10.2     | 30.6          | 428.5           |             |
| <a href="#">08/20/13 - 08/21/13</a> | 872-0113 | Science           | 25.1     | 55.7          | 403.4           |             |
| <a href="#">08/24/13 - 08/25/13</a> | 872-0114 | Science           | 24.6     | 80.3          | 378.8           |             |
| <a href="#">08/29/13 - 08/30/13</a> | 872-0115 | Science           | 22.6     | 102.9         | 356.2           |             |
| <a href="#">09/03/13 - 09/04/13</a> | 871-0089 | Science           | 23.2     | 126.1         | 333             |             |
| <a href="#">09/04/13 - 09/05/13</a> | 872-0116 | Science           | 22.9     | 149           | 310.1           |             |
| <a href="#">09/07/13 - 09/08/13</a> | 872-0117 | Science           | 23.2     | 172.2         | 286.9           |             |
| <a href="#">09/10/13</a>            | 871-0090 | Science           | 4.6      | 176.8         | 282.3           |             |
| <a href="#">09/15/13 - 09/16/13</a> | 871-0091 | Science           | 22.9     | 199.7         | 259.4           |             |
| <a href="#">09/16/13 - 09/17/13</a> | 872-0118 | Science           | 20.6     | 220.3         | 238.8           |             |
| <a href="#">09/17/13</a>            | 871-0092 | Science           | 4.5      | 224.8         | 234.3           |             |

|                                     |          |         |      |       |       |
|-------------------------------------|----------|---------|------|-------|-------|
| <a href="#">09/19/13 - 09/20/13</a> | 872-0119 | Science | 22.7 | 247.5 | 211.6 |
| <a href="#">09/25/13 - 09/26/13</a> | 871-0093 | Science | 15.1 | 262.6 | 196.5 |
| <a href="#">09/26/13</a>            | 872-0120 | Ferry   | 9.8  | 272.4 | 186.7 |

*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:**

### HS3 - Global Hawk #871 09/17/13 Science Report

**Mission:** HS3

**Mission Summary:**

This AV-1 flight would have sampled convection in Tropical Storm Humberto as a follow-up to a successful AV-6 flight to the storm the day before. However, during flight, one of the navigation units appeared to fail, as well as an altimeter, so the aircraft returned to WFF before reaching Humberto.

**File:**

 [HS3\\_Sept17-18\\_flight\\_report.pdf](#)

**Submitted by:** Scott Braun on 09/20/13

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