

HS3 - Global Hawk #872 09/11/14 - 09/12/14 Science Report

Aircraft: [Global Hawk - AFRC #872](#) ([See full schedule](#))

Date: Thursday, September 11, 2014 - Friday, September 12, 2014

Mission: HS3

Mission Summary:

HS3 2014-09-11 Science Report: GLOBALHAWK AV-6 06L Flight

Submitted by: Marilyn Vasques on 09/29/14

File:

 [2014SEPT11_AV6 06L_sm.pdf](#)

Related Flight Report:

Global Hawk #872 09/11/14 - 09/12/14

Flight Number: 872-0137

Payload Configuration: HS3 2014 Instrument Configuration

Nav Data Collected: No

Total Flight Time: 23.6 hours

Submitted by: Chris Nafel on 09/12/14

Flight Segments:

| | | | |
|---------------------------|--|----------------|------------------|
| From: | WFF | To: | WFF |
| Start: | 09/11/14 10:13 Z | Finish: | 09/12/14 09:50 Z |
| Flight Time: | 23.6 hours | | |
| Log Number: | 14H002 | PI: | Marilyn Vasques |
| Funding Source: | Hal Maring - NASA - SMD - ESD Radiation Science Program | | |
| Purpose of Flight: | Science | | |
| Comments: | TN872 landed at 5:50pm EDT after a 23.6 hour mission to Tropical Storm Edouard. 64 sondes were deployed during the mission. The aircraft landed with a green board. During the flight the dropsonde system had an issue with the heater in the launcher. A replacement part is being overnighed from Boulder and will be installed Saturday morning. The next flight will be a return to Edouard and will takeoff either Saturday evening or Sunday morning. | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 14H002 |
| Flight Hours Approved in SOFRS | 447 |
| Total Used | 272.6 |
| Total Remaining | 174.4 |

14H002 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|----------|-------------------|----------|---------------|-----------------|-------------|
| 10/31/13 - 11/01/13 | 871-0093 | Check | 10.4 | 10.4 | 436.6 | |
| 08/06/14 | 872-0132 | Check | 5.1 | 15.5 | 431.5 | |
| 08/14/14 | 871-0099 | Check | 6.2 | 21.7 | 425.3 | |
| 08/21/14 | 871-0100 | Ferry | 2.4 | 24.1 | 422.9 | |
| 08/26/14 - 08/27/14 | 872-0133 | Science | 22.6 | 46.7 | 400.3 | |

| | | | | | |
|-------------------------------------|----------|---------|------|-------|-------|
| 08/28/14 - 08/29/14 | 872-0134 | Science | 23.7 | 70.4 | 376.6 |
| 09/02/14 - 09/03/14 | 872-0135 | Science | 23.6 | 94 | 353 |
| 09/05/14 - 09/06/14 | 872-0136 | Science | 24 | 118 | 329 |
| 09/11/14 - 09/12/14 | 872-0137 | Science | 23.6 | 141.6 | 305.4 |
| 09/14/14 - 09/15/14 | 872-0138 | Science | 23.8 | 165.4 | 281.6 |
| 09/16/14 - 09/17/14 | 872-0139 | Science | 22.7 | 188.1 | 258.9 |
| 09/18/14 - 09/19/14 | 872-0140 | Science | 23.7 | 211.8 | 235.2 |
| 09/22/14 - 09/23/14 | 872-0141 | Science | 24.5 | 236.3 | 210.7 |
| 09/28/14 - 09/29/14 | 872-0142 | Science | 24.2 | 260.5 | 186.5 |
| 09/30/14 | 872-0143 | Ferry | 12.1 | 272.6 | 174.4 |

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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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Source URL: https://airbornescience.nasa.gov/science_reports/HS3_-_Global_Hawk_872_09_11_14_-_09_12_14_Science_Report#comment-0