

## HS3 - Global Hawk #872 08/24/13 - 08/25/13 Science Report

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

Date: Saturday, August 24, 2013 - Sunday, August 25, 2013

Mission: HS3

Mission Location: Central Atlantic flight from WFF

Mission Summary:

Submitted by: Scott Braun on 08/27/13

File:

 [HS3 Aug 24-25 Fight Report AV-6.pdf](#)

Related Flight Report:

### Global Hawk #872 08/24/13 - 08/25/13

Flight Number: 872-0114

Payload Configuration: HS3 - TN872 2013 configuration

Nav Data Collected: No

Total Flight Time: 24.6 hours

Submitted by: Chris Nafel on 08/25/13

Flight Segments:

<b>From:</b>	WFF	<b>To:</b>	WFF
<b>Start:</b>	08/24/13 10:58 Z	<b>Finish:</b>	08/25/13 11:34 Z
<b>Flight Time:</b>	24.6 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>	The aircraft experienced a yellow landing gear fault about 20 minutes into the mission. After consultation with NGC, it was determined that the cause of the fault was likely a sensor issue and a decision was made to continue the mission. Landing occurred without any issues. 54 sondes were deployed during the mission and the scientists report good data from all three instruments.		

Flight Hour Summary:

	13H010
Flight Hours Approved in SOFRS	459.1
Total Used	272.4
Total Remaining	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.*

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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