

## HS3 - Global Hawk #872 09/14/14 - 09/15/14 Science Report

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

Date: Sunday, September 14, 2014 - Monday, September 15, 2014

Mission: HS3

### Mission Summary:

HS3 2014 14-15 Sept Science Report: GLOBAL HAWK AV-6 Edouard Flight

Submitted by: Marilyn Vasques on 09/29/14

### File:

 [2014SEP14-15\\_AV-6 EDOUARD flight report\\_sm.pdf](#)

### Related Flight Report:

## Global Hawk #872 09/14/14 - 09/15/14

Flight Number: 872-0138

Payload Configuration: HS3 2014 Instrument Configuration

Nav Data Collected: No

Total Flight Time: 23.8 hours

Submitted by: Chris Nafel on 09/15/14

### Flight Segments:

<b>From:</b>	WFF	<b>To:</b>	WFF
<b>Start:</b>	09/14/14 15:01 Z	<b>Finish:</b>	09/15/14 14:50 Z
<b>Flight Time:</b>	23.8 hours		
<b>Log Number:</b>	<a href="#">14H002</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>	TN872 landed at 0650 EDT after a 23.8 hour mission to Hurricane Edouard. 80 sondes were deployed during the mission, including sondes in the eye walls and storm center. The data collected during the flight showed the hurricane was stronger than expected. The jet and instruments performed very well and preparations have begun for a return mission to Edouard on Tuesday. Takeoff time will depend on the local weather at Wallops.		

### Flight Hour Summary:

	<b>14H002</b>
<b>Flight Hours Approved in SOFRS</b>	447
<b>Total Used</b>	272.6
<b>Total Remaining</b>	174.4

### 14H002 Flight Reports

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

<a href="#">08/28/14 - 08/29/14</a>	872-0134	Science	23.7	70.4	376.6
<a href="#">09/02/14 - 09/03/14</a>	872-0135	Science	23.6	94	353
<a href="#">09/05/14 - 09/06/14</a>	872-0136	Science	24	118	329
<a href="#">09/11/14 - 09/12/14</a>	872-0137	Science	23.6	141.6	305.4
<a href="#">09/14/14 - 09/15/14</a>	872-0138	Science	23.8	165.4	281.6
<a href="#">09/16/14 - 09/17/14</a>	872-0139	Science	22.7	188.1	258.9
<a href="#">09/18/14 - 09/19/14</a>	872-0140	Science	23.7	211.8	235.2
<a href="#">09/22/14 - 09/23/14</a>	872-0141	Science	24.5	236.3	210.7
<a href="#">09/28/14 - 09/29/14</a>	872-0142	Science	24.2	260.5	186.5
<a href="#">09/30/14</a>	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.*

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