

HS3 - Global Hawk #871 09/03/13 - 09/04/13 Science Report

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

Date: Tuesday, September 3, 2013 - Wednesday, September 4, 2013

Mission: HS3

Mission Location: East Caribbean

Mission Summary:

AV-1 flight into precursor of Tropical Storm Gabrielle

Submitted by: Scott Braun on 09/11/13

File:

 [HS3_Sept03-04_flight_report-1.pdf](#)

Related Flight Report:

Global Hawk #871 09/03/13 - 09/04/13

Flight Number: 871-0089

Payload Configuration: HS3 - TN871 2013 config

Nav Data Collected: No

Total Flight Time: 23.2 hours

Submitted by: Chris Nafel on 09/04/13

Flight Segments:

From:	WFF	To:	WFF
Start:	09/03/13 11:29 Z	Finish:	09/04/13 10:38 Z
Flight Time:	23.2 hours		
Log Number:	13H010	PI:	Marilyn Vasques
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Comments:	This marked the first takeoff of TN872 from WFF and first science mission from WFF. The targets were P25L and P30L. The fuel burn rate was higher than expected during the flight and the aircraft returned to the coast of Virginia early. In the end, the total flight time was only about 30 minutes shorter than originally planned.		

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
08/01/13	872-0111	Check	5	5	454.1	
08/08/13	871-0087	Check	4.6	9.6	449.5	
08/14/13	871-0088	Ferry	10.8	20.4	438.7	
08/16/13	872-0112	Ferry	10.2	30.6	428.5	
08/20/13 - 08/21/13	872-0113	Science	25.1	55.7	403.4	

08/24/13 - 08/25/13	872-0114	Science	24.6	80.3	378.8
08/29/13 - 08/30/13	872-0115	Science	22.6	102.9	356.2
09/03/13 - 09/04/13	871-0089	Science	23.2	126.1	333
09/04/13 - 09/05/13	872-0116	Science	22.9	149	310.1
09/07/13 - 09/08/13	872-0117	Science	23.2	172.2	286.9
09/10/13	871-0090	Science	4.6	176.8	282.3
09/15/13 - 09/16/13	871-0091	Science	22.9	199.7	259.4
09/16/13 - 09/17/13	872-0118	Science	20.6	220.3	238.8
09/17/13	871-0092	Science	4.5	224.8	234.3
09/19/13 - 09/20/13	872-0119	Science	22.7	247.5	211.6
09/25/13 - 09/26/13	871-0093	Science	15.1	262.6	196.5
09/26/13	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

NASA Official: Bruce A. Tagg

Source URL: https://airbornescience.nasa.gov/science_reports/HS3_-_Global_Hawk_871_09_03_13_-_09_04_13_Science_Report#comment-0