Global Hawk #872 08/26/16 - 08/27/16

Aircraft: Global Hawk - AFRC #872 (See full schedule)
Flight Number: 872-0171
Payload Configuration: NOAA SHOUT HRR
Nav Data Collected: Yes
Total Flight Time: 23.8 hours
Submitted by: Frank Cutler on 08/28/16
Flight Segments:

From:	KWFF	**To:**	KWFF
Start:	08/26/16 22:02 Z	**Finish:**	08/27/16 21:52 Z
Flight Time:	23.8 hours		
Log Number:	16H004	**PI:**	Gary Wick
Funding Source:	Robbie Hood - NOAA - UAS Program Manager		
Purpose of Flight:	Science		
Comments:	NASA/NOAA Global Hawk concludes 24 hour mission after dropping 55 sondes supplying real-time data to the National Hurricane Center. The SHOUT Team flying the NASA Global Hawk concluded a 24 hour mission at 1752 EDT August 27th after dropping 55 sondes into GASTON and AL-91 as requested by the National Hurricane Center (NHC). Once again, this real-time data influenced the NHC's forecast and was mentioned in the Tropic Weather Outlook. From the TROPICAL WEATHER OUTLOOK NWS NATIONAL HURRICANE CENTER MIAMI FL 200 AM EDT SAT AUG 27 2016 (Attached): "3. A broad area of low pressure is centered a little over a hundred miles south-southwest of Bermuda. The associated shower activity is currently disorganized. However, data from the NASA/NOAA Global Hawk aircraft indicate that the low is producing winds near 35 mph east of the center. This low is forecast to move westward and then west-northwestward at about 10 mph toward the coast of the Carolinas during the next few days, but any development is likely to be slow to occur due to the system's proximity to dry air. Forecaster Berg" SHOUT's Co-PI, Jason Dunion, coordinated with the NHC throughout the mission, optimizing the flight pattern designs to capture both atmospheric events. "The good communications and close relationships between our research and operational partners continues to drive the success of this campaign," says Dunion. "More good things will follow." The National Center for Atmospheric Research's, Terry Hock adds, "I'm glad the Airborne Vertical Atmospheric Profiling System's (AVAPS) dropsondes have contributed operationally during this research mission. Our progress from the team's successes during NASA's Hurricane and Severe Storm Sentinel (HS3) moves us closer to AVAPS' standard operations from unmanned aircraft." We are currently planning on Science Flight #3 1800 EDT August 29th. JC John "JC" Coffey Cherokee Nation Company supporting: NOAA UAS Program Office National Oceanic and Atmospheric Administration SSMC3/ OAR-R/ Room 11100 1315 East West Highway Silver Spring, MD 20910 Email: John.J.Coffey@noaa.gov Office Telephone: 301-734-1104 Cell Telephone: 904-923-1709		

Flight Hour Summary:

	16H004	17H006
Flight Hours Approved in SOFRS	220	
Flight Hours Previously Approved		54
Total Used	166	73.2
Total Remaining		-19.2

17H006 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/05/16 - 10/06/16	872-0177	Science	24.7	24.7	29.3	
10/07/16 - 10/08/16	872-0178	Science	23.7	48.4	5.6	
10/09/16 - 10/10/16	872-0179	Science	24.8	73.2	-19.2	

Source URL: https://espoarchive.nasa.gov/flight_reports/Global_Hawk_872_08_26_16_-_08_27_16#comment-0

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NASA Official: Marilyn Vasques

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.

16H004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
07/27/16	872-0168	Check	4.9	4.9	215.1	
08/19/16	872-0169	Ferry	10.3	15.2	204.8	
08/24/16 - 08/25/16	872-0170	Science	23.9	39.1	180.9	
08/26/16 - 08/27/16	872-0171	Science	23.8	62.9	157.1	
08/29/16 - 08/30/16	872-0172	Science	23.8	86.7	133.3	
09/01/16 - 09/02/16	872-0173	Science	22.8	109.5	110.5	
09/22/16 - 09/23/16	872-0174	Science	24	133.5	86.5	
09/24/16 - 09/25/16	872-0175	Science	22.8	156.3	63.7	
09/28/16	872-0176	Ferry	9.7	166	54	