

## Global Hawk #872 10/07/16 - 10/08/16

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

Flight Number: 872-0178

Payload Configuration: NOAA SHOUT HRR

Nav Data Collected: Yes

Total Flight Time: 23.7 hours

Submitted by: Frank Cutler on 10/17/16

### Flight Segments:

<b>From:</b>	KEDW	<b>To:</b>	KEDW
<b>Start:</b>	10/07/16 02:23 Z	<b>Finish:</b>	10/08/16 02:05 Z
<b>Flight Time:</b>	23.7 hours		
<b>Log Number:</b>	<a href="#">17H006</a>	<b>PI:</b>	Gary Wick
<b>Funding Source:</b>	Robbie Hood - NOAA - UAS Program Manager		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	<p>SHOUT Science Flight #8 Mission Summary with sonde drop locations over Hurricane Matthew on October 7th. NASA Global Hawk Conducts Second 24 Hour UAS Mission Over Hurricane Matthew NOAA SHOUT 2016 Science Flight #8 conducts multi-aircraft mission above and around Hurricane Matthew. Within 23 hours of flying its first Hurricane Matthew mission, the SHOUT Team launched NASA's Global Hawk at 1924 PT October 6th for the eighth science flight of the SHOUT 2016 campaign towards Hurricane Matthew. The flight tracks are being closely coordinated with the manned aircraft events and the National Hurricane Center (NHC). The crew dropped several dozen sondes and conduct numerous passes over the eye of Hurricane Matthew. The scientific data is being delivered in real-time to the National Hurricane Center in Florida, the NOAA National Centers for Environmental Prediction (NCEP), and numerous modeling centers around the world for use in forecast and model development. The dropsonde data is going into the Global Telecommunication System which delivers it to NHC with that the data currently being used by the NCEP HWRF, ECMWF and UKMet Models. After landing back at NASA Armstrong, CA at 1905 PT October 7th, the Global Hawk will be quickly turned-around and takeoff at 1900 PT October 8th back to Matthew. Social media was also following the SHOUT event at several sites including:</p> <p><a href="https://twitter.com/NASAJPL/status/784426562435231744">https://twitter.com/NASAJPL/status/784426562435231744</a>  <a href="https://www.facebook.com/NASAHurricane/photos/a.121853331194802.11206.112998395413629/11904">https://www.facebook.com/NASAHurricane/photos/a.121853331194802.11206.112998395413629/11904</a>  <a href="https://twitter.com/NASAEarth/status/784473090860261377">https://twitter.com/NASAEarth/status/784473090860261377</a>  <a href="https://twitter.com/NASAAirborne/status/784472156226723840">https://twitter.com/NASAAirborne/status/784472156226723840</a>  <a href="https://www.facebook.com/NASAAirborne/photos/a.445537385641180.1073741829.417800165081569/5">https://www.facebook.com/NASAAirborne/photos/a.445537385641180.1073741829.417800165081569/5</a>  <a href="https://twitter.com/NASAEarth/status/784418515491000320">https://twitter.com/NASAEarth/status/784418515491000320</a>  <a href="https://twitter.com/NASAAirborne/status/784417856888856576">https://twitter.com/NASAAirborne/status/784417856888856576</a> Photos: HAMSR Sensor Track over the storm. Global Hawk nose camera shot of the eye. -- 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</p>		

### Flight Hour Summary:

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

### 17H006 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/05/16 - 10/06/16</a>	872-0177	Science	24.7	24.7	29.3	
<a href="#">10/07/16 - 10/08/16</a>	872-0178	Science	23.7	48.4	5.6	

<a href="#">10/09/16 - 10/10/16</a>	872-0179	Science	24.8	73.2	-19.2
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**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/Global\\_Hawk\\_872\\_10\\_07\\_16\\_-\\_10\\_08\\_16#comment-0](https://airbornescience.nasa.gov/flight_reports/Global_Hawk_872_10_07_16_-_10_08_16#comment-0)

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Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

*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
<a href="#">07/27/16</a>	872-0168	Check	4.9	4.9	215.1	
<a href="#">08/19/16</a>	872-0169	Ferry	10.3	15.2	204.8	
<a href="#">08/24/16 - 08/25/16</a>	872-0170	Science	23.9	39.1	180.9	
<a href="#">08/26/16 - 08/27/16</a>	872-0171	Science	23.8	62.9	157.1	
<a href="#">08/29/16 - 08/30/16</a>	872-0172	Science	23.8	86.7	133.3	
<a href="#">09/01/16 - 09/02/16</a>	872-0173	Science	22.8	109.5	110.5	
<a href="#">09/22/16 - 09/23/16</a>	872-0174	Science	24	133.5	86.5	
<a href="#">09/24/16 - 09/25/16</a>	872-0175	Science	22.8	156.3	63.7	
<a href="#">09/28/16</a>	872-0176	Ferry	9.7	166	54	