

## Global Hawk #872 02/21/13 - 02/22/13

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

Flight Number: 872-0108

Payload Configuration: ATTREX - TN872 2013 configuration

Nav Data Collected: No

Archive Data: [20130221](#) (14 archive (plain-text) files)

Total Flight Time: 24.6 hours

Submitted by: Chris Nafel on 02/26/13

### Flight Segments:

|                           |  |                |                  |
|---------------------------|--|----------------|------------------|
| <b>From:</b>              | EAFB   | <b>To:</b>     | EAFB             |
| <b>Start:</b>             | 02/21/13 14:47 Z   | <b>Finish:</b> | 02/22/13 15:24 Z |
| <b>Flight Time:</b>       | 24.6 hours   |                |                  |
| <b>Log Number:</b>        | <a href="#">13H003</a>   | <b>PI:</b>     | Eric Jensen      |
| <b>Funding Source:</b>    | Hal Maring - NASA - SMD - ESD Radiation Science Program  |                |                  |
| <b>Purpose of Flight:</b> | Science  |                |                  |
| <b>Comments:</b>          | The aircraft and payloads operated nominally during the flight. The previous ATTREX flight reached -10 Deg Lat and this flight went even further south to -13 deg Lat. |                |                  |

### Flight Hour Summary:

|                                       |               |
|---------------------------------------|---------------|
|                                       | <b>13H003</b> |
| <b>Flight Hours Approved in SOFRS</b> | 208           |
| <b>Total Used</b>                     | 152.9         |
| <b>Total Remaining</b>                | 55.1          |

### 13H003 Flight Reports

| Date                                | Flt #    | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|----------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">01/19/13</a>            | 872-0104 | Check             | 6.5      | 6.5           | 201.5           |             |
| <a href="#">02/05/13 - 02/06/13</a> | 872-0105 | Science           | 24.5     | 31            | 177             |             |
| <a href="#">02/09/13 - 02/10/13</a> | 872-0106 | Science           | 24.3     | 55.3          | 152.7           |             |
| <a href="#">02/14/13 - 02/15/13</a> | 872-0107 | Science           | 24.5     | 79.8          | 128.2           |             |
| <a href="#">02/21/13 - 02/22/13</a> | 872-0108 | Science           | 24.6     | 104.4         | 103.6           |             |
| <a href="#">02/26/13 - 02/27/13</a> | 872-0109 | Science           | 24.4     | 128.8         | 79.2            |             |
| <a href="#">03/01/13 - 03/02/13</a> | 872-0110 | Science           | 24.1     | 152.9         | 55.1            |             |

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.

### Related Science Report:

## ATTREX - Global Hawk #872 02/21/13 - 02/22/13 Science Report

**Mission:** ATTREX

**Mission Summary:**

This flight provided a survey of TTL composition in the eastern Pacific. As shown in the figures below, the flight plan took the aircraft southeast to 100 W and then due south to about 12.5 S. The flight included 24 profiles

through the TTL, with multiple GWAS samples on each of the ascents. Clouds were sampled in the upper TTL near 5 N. Sharp structures we're apparent in the water vapor concentration near the tropopause, and filaments of midlatitude lower stratospheric air were sampled in the tropics.

**File:**

 [ATTREX\\_SciRpt\\_022113.pdf](#)

**Submitted by:** Erin Czech on 02/25/13

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