

## WISM - Other: Twin Otter International 02/10/17 Science Report

**Aircraft:** Other: Twin Otter International - 17M014

**Date:** Friday, February 10, 2017

**Mission:** WISM

**Mission Location:** Grand Junction, CO

**Mission Summary:**

Seventh flight for the WISM instrument of this campaign. Flight was conducted around the Grand Junction airport, over the Colorado river, and over the Grand Mesa. Kerry Speed and Tim Durham flew. Pilots were Thomas Sommerville and Ross Rice. Sky was mostly cloudy. The aircraft flew at 5000 ft above ground level during all data collects. The radiometer did not operate to allow all six channels of the radar to collect data. The radar worked well with all channels collecting data for the duration of the flight.

**Submitted by:** Paul Racette on 02/10/17

**File:**

 [WISM\\_flight\\_report\\_02\\_10\\_2017\\_flight7.pdf](#)

**Related Flight Report:**

### Other: Twin Otter International 02/09/17

**Flight Number:** 6

**Payload Configuration:** WISM

**Nav Data Collected:** Yes

**Total Flight Time:** 1.9 hours

**Submitted by:** Sommer tBeddingfield on 02/22/17

**Flight Segments:**

<b>From:</b>	GJT	<b>To:</b>	GJT
<b>Start:</b>	02/09/17 10:10 Z	<b>Finish:</b>	02/09/17 12:05 Z
<b>Flight Time:</b>	1.9 hours		
<b>Log Number:</b>	<a href="#">17M014</a>	<b>PI:</b>	Lora Koenig
<b>Funding Source:</b>	Parminder Ghuman - NASA - SMD - ESD ESTO - IIP Program Manager		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	Flight plan was for science flights over the Grand Mesa and included flight tracks over the airport to pass over the corner reflectors going to and returning from the Grand Mesa. The flight plan was completed except the final overpass of the corner reflectors at the airport.		

**Flight Hour Summary:**

	16M038	17M014
<b>Flight Hours Approved in SOFRS</b>		12
<b>Total Used</b>	0	7.3
<b>Total Remaining</b>		4.7

**17M014 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">02/03/17</a>	1	Science	0.8	0.8	11.2	
<a href="#">02/05/17</a>	2	Science	0.8	1.6	10.4	
<a href="#">02/05/17</a>	3	Science	0.7	2.3	9.7	
<a href="#">02/06/17</a>	4	Science	0.8	3.1	8.9	
<a href="#">02/08/17</a>	5	Science	0.5	3.6	8.4	
<a href="#">02/09/17</a>	6	Science	1.9	5.5	6.5	
<a href="#">02/10/17</a>	7	Science	1.8	7.3	4.7	

**Source URL:** [https://airbornescience.nasa.gov/science\\_reports/WISM\\_-](https://airbornescience.nasa.gov/science_reports/WISM_-)

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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.*

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