

WISM - Other: Twin Otter International 02/05/17 Science Report

Aircraft: Other: Twin Otter International - 17M014

Date: Sunday, February 5, 2017

Mission: WISM

Mission Location: Grand Junction, CO

Mission Summary:

Second flight for the WISM instrument of this campaign. Flight was conducted around the Grand Junction airport. Tim Durham, Kerry Speed and Batu Osmanoglu flew. Pilots were Thomas Sommerville and Ross Rice. Sky was mostly clear with scattered clouds. The aircraft flew 4 loops around the airport at an altitude of 5000 ft on a track that placed the projected antenna pattern directly over four, in-line calibration targets located in a field adjacent to the aircraft hanger.

Tri-band radar test flight around the airport. Two radar channels didn't work during the first flight. Repairs were made to the radar and this flight aimed to verify all six radar channels work. Problem with the radar computer prevented data from being collected. Radiometer collected data but was not connected to the antenna to minimize potential impact on radar data collects.

Submitted by: Paul Racette on 02/07/17

File:

 [WISM_flight_report_02_05_2017_flight2.pdf](#)

Related Flight Report:

Other: Twin Otter International 02/05/17

Flight Number: 2

Payload Configuration: WISM

Nav Data Collected: Yes

Total Flight Time: 0.8 hours

Submitted by: Sommer tBeddingfield on 02/22/17

Flight Segments:

From:	GJT	To:	GJT
Start:	02/05/17 15:25 Z	Finish:	02/05/17 16:15 Z
Flight Time:	0.8 hours		
Log Number:	17M014	PI:	Lora Koenig
Funding Source:	Parminder Ghuman - NASA - SMD - ESD ESTO - IIP Program Manager		
Purpose of Flight:	Science		
Comments:	Tri-band radar test flight around the airport. Two radar channels didn't work during the first flight. Repairs were made to the radar and this flight aimed to verify all six radar channels work. Problem with the radar computer prevented data from being collected. Radiometer collected data but was not connected to the antenna to minimize potential impact on radar data collects.		

Flight Hour Summary:

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

17M014 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
02/03/17	1	Science	0.8	0.8	11.2	
02/05/17	2	Science	0.8	1.6	10.4	
02/05/17	3	Science	0.7	2.3	9.7	
02/06/17	4	Science	0.8	3.1	8.9	
02/08/17	5	Science	0.5	3.6	8.4	

02/09/17	6	Science	1.9	5.5	6.5
02/10/17	7	Science	1.8	7.3	4.7

Source URL: https://airbornescience.nasa.gov/science_reports/WISM_-_Other_Twin_Otter_International_02_05_17_Science_Report#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.
