

Aircraft: TOI DHC-6 N821AR

Flight number: 5

Payload Configuration: WISM

New Data Collected: yes

Total Flight Time: 0.5 hours

Submitted By: Paul Racette

From: GJT **To:** GJT

Start: 2/08/17 15:00 MST **Finish:** 2/08/17 15:30 MST

Flight Time: 0.5 hours

Log Number:

PI: Tim Durham

Funding Source: Parminder Ghuman - NASA - SMD - ESD ESTO - IIP Program Manager

Purpose of Flight: Science

Comments: 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 was terminated during the first pass over the airport due to a malfunction of the radar.

Accomplishments

- Fifteen minutes into flight the WISM radar malfunctioned and the sortie was terminated

Instrument	Operated	Data Volume	Instrument Issues/Comments
WISM-Radar	yes	40 GByte	Problem with the data system reported
WISM-Radiometer	yes	1 GB	No issues to report.

Flight Report: Fifth flight for the WISM instrument of this campaign. Flight was conducted around the Grand Junction airport. Kerry Speed, Tim Durham and Quenton Bonds flew. Pilots were Thomas Sommerville and Ross Rice. Sky was mostly clear with a few scattered clouds. The aircraft flew the first flight line over the airport at an altitude of 5000 ft when the radar malfunctioned and the flight was terminated.