

SnowEx Winter 1 - Other: NRL P-3 02/22/17 Science Report

Aircraft: Other: NRL P-3 - 17M034

Date: Wednesday, February 22, 2017

Mission: SnowEx Winter 1

Mission Location: Petersen AFB, Colorado Springs, CO

Mission Summary:

The original plan for this flight was to do another science flight over Grand Mesa as well as Senator Beck. The weather at the Mesa turned out to be extremely uncooperative. It was too turbulent for science data collection, cross winds forced a 15 deg crab angle, and there was significant cloud cover. After unsuccessfully doing a line on the Mesa, the aircraft moved on to Senator Beck in hopes of better weather and to give the Mesa time to clear up. 1 of the 4 tracks were completed at Senator Beck before SnowSAR had issues again and no data could be collected. Decided to fly back to the Mesa while hunting for a good spot for a CAR circle, and managed to only find one due to significant cloud cover. Various altitudes were flown. Pilots were Cmdr. Neall, Lt Cmdr Rossi, and Lt Miller. Duration: 5.0 hrs

Submitted by: Eugenia De Marco on 02/24/17

Related Flight Report:

Other: NRL P-3 02/22/17

Payload Configuration: SnowEx - Winter 1 (2018)

Nav Data Collected: No

Total Flight Time: 5 hours

Submitted by: Eugenia De Marco on 04/13/17

Flight Segments:

| | | | |
|---------------------------|--|----------------|------------------|
| From: | Petersen AFB, CO | To: | Petersen AFB, CO |
| Start: | 02/22/17 15:15 Z | Finish: | 02/22/17 20:15 Z |
| Flight Time: | 5 hours | | |
| Log Number: | 17M034 | PI: | Edward Kim |
| Funding Source: | Jared Entin - NASA - SMD - ESD Hydrology Program | | |
| Purpose of Flight: | Science | | |

Flight Hour Summary:

| | |
|---------------------------------------|---------------|
| | 17M034 |
| Flight Hours Approved in SOFRS | 48 |
| Total Used | 32.5 |
| Total Remaining | 15.5 |

17M034 Flight Reports

| Date | Flt # | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|-------|-------------------|----------|---------------|-----------------|-------------|
| 02/16/17 | | Transit | 5.7 | 5.7 | 42.3 | |
| 02/16/17 - 02/17/17 | | Science | 4.4 | 10.1 | 37.9 | |
| 02/18/17 | | Science | 3.7 | 13.8 | 34.2 | |
| 02/20/17 | | Science | 4 | 17.8 | 30.2 | |
| 02/21/17 | | Science | 5.8 | 23.6 | 24.4 | |
| 02/22/17 | | Science | 5 | 28.6 | 19.4 | |
| 03/04/17 - 03/05/17 | | Ferry | 3.9 | 32.5 | 15.5 | |

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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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