

## SnowEx Winter 1 - Other: NRL P-3 02/16/17 Science Report

**Aircraft:** Other: NRL P-3 - 17M034

**Date:** Thursday, February 16, 2017

**Mission:** SnowEx Winter 1

**Mission Location:** Petersen AFB, Colorado Springs, CO

**Mission Summary:**

The SnowEx campaign's main science targets sites are Grand Mesa, CO and Senator Beck. Both have unique terrain, and the P-3 has to fly low. This flight was meant to be a science flight with a focus on familiarization of the area, and give the instruments a shakedown. Also flew a quick line over Fraser on our way to the Grand Mesa area.

The aircraft mostly flew over Grand Mesa at altitudes of 1200 ft AGL to 2000 ft AGL, and then did a few lines at 6500 ft AGL and some spirals for CAR. The aircraft then flew over to Senatr Beck and did a CAR circle there at two different altitudes: 17,000 ft MSL and 20,500 ft MSL (AGL varies). Some data took longer to collect due to difficult weather conditions. Pilots were Cmdr Neall, Lt Cmdr Rossi, and Lt Miller. Duraiton: 4.4 hours.

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

**Related Flight Report:**

### Other: NRL P-3 02/16/17 - 02/17/17

**Payload Configuration:** SnowEx - Winter 1 (2018)

**Nav Data Collected:** No

**Total Flight Time:** 4.4 hours

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

**Flight Segments:**

<b>From:</b>	Petersen AFB, CO	<b>To:</b>	Petersen AFB, CO
<b>Start:</b>	02/16/17 20:55 Z	<b>Finish:</b>	02/17/17 01:20 Z
<b>Flight Time:</b>	4.4 hours		
<b>Log Number:</b>	<a href="#">17M034</a>	<b>PI:</b>	Edward Kim
<b>Funding Source:</b>	Jared Entin - NASA - SMD - ESD Hydrology Program		
<b>Purpose of Flight:</b>	Science		

**Flight Hour Summary:**

	<b>17M034</b>
<b>Flight Hours Approved in SOFRS</b>	48
<b>Total Used</b>	32.5
<b>Total Remaining</b>	15.5

**17M034 Flight Reports**

<b>Date</b>	<b>Flt #</b>	<b>Purpose ofFlight</b>	<b>Duration</b>	<b>Running Total</b>	<b>Hours Remaining</b>	<b>MilesFlown</b>
<a href="#">02/16/17</a>		Transit	5.7	5.7	42.3	
<a href="#">02/16/17 - 02/17/17</a>		Science	4.4	10.1	37.9	
<a href="#">02/18/17</a>		Science	3.7	13.8	34.2	
<a href="#">02/20/17</a>		Science	4	17.8	30.2	
<a href="#">02/21/17</a>		Science	5.8	23.6	24.4	
<a href="#">02/22/17</a>		Science	5	28.6	19.4	
<a href="#">03/04/17 - 03/05/17</a>		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.*

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NASA Official: Bruce A. Tagg

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