

## SIERRA 09/02/12

Aircraft: [SIERRA - ARC](#) ([See full schedule](#))

Flight Number: 68

Payload Configuration: Surprise Valley Magnetometer

Nav Data Collected: No

Total Flight Time: 3.1 hours

Submitted by: Mark Sumich on 09/02/12

### Flight Segments:

<b>From:</b>	Cedarville, CA	<b>To:</b>	Cedarville, CA
<b>Start:</b>	09/02/12 16:15 Z	<b>Finish:</b>	09/02/12 19:19 Z
<b>Flight Time:</b>	3.1 hours		
<b>Log Number:</b>	<a href="#">12R010</a>	<b>PI:</b>	Jonathan Glen
<b>Funding Source:</b>	Thomas Wagner - NASA - SMD - ESD Cryospheric Science		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	The chase plane (C172SP) landed at Cedarville Airport while the team completed flight preparations. SIERRA took off first and entered its orbit near the runway. Then the manned aircraft took off and climbed to a higher altitude to be in position for chase. A detailed grid pattern just south of the airport was completed followed by a grid pattern in the central part of the valley. Chase was generally able to keep the SIERRA in sight with some difficulties due to the very different performance characteristics of the aircraft. Chase then returned to their staging airport (Alturas) and the compensation box was flown with a ground observer performing the see and avoid task. The aircraft landed normally and was serviced for the next flight tomorrow.		

### Flight Hour Summary:

	12R010
<b>Flight Hours Approved in SOFRS</b>	20
<b>Total Used</b>	15.32
<b>Total Remaining</b>	4.68

### 12R010 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">05/01/12</a>	64	Check	0.7	0.7	19.3	
<a href="#">05/01/12</a>	65	Check	0.92	1.62	18.38	
<a href="#">09/01/12</a>	67	Check	1.3	2.92	17.08	
<a href="#">09/02/12</a>	68	Science	3.1	6.02	13.98	
<a href="#">09/04/12</a>	69	Science	1.4	7.42	12.58	
<a href="#">09/05/12</a>	70	Science	3.9	11.32	8.68	
<a href="#">09/06/12</a>	71	Science	4	15.32	4.68	

*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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