

## SIERRA 09/06/12

**Aircraft:**

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

**Flight Number:**

71

**Payload Configuration:**

Surprise Valley Magnetometer

**Nav Data Collected:**

No

**Total Flight Time:**

4 hours

**Submitted by:**

Mark Sumich on 09/06/12

**Flight Segments:**

<b>From:</b>	Cedarville, CA	<b>To:</b>	Cedarville, CA
<b>Start:</b>	09/06/12 14:47 Z	<b>Finish:</b>	09/06/12 18:46 Z
<b>Flight Time:</b>	4 hours		
<b>Log Number:</b>	<a href="#">12R010</a> - Completed as of this flight.	<b>PI:</b>	Jonathan Glen
<b>Funding Source:</b>	Thomas Wagner - NASA - SMD - ESD Cryosphere & International Polar Year		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	This flight completed the remaining transects south of Cedarville and added an extra detail grid to the south. Data collection proceeded normally. Chase has adopted procedures that allow it to effectively perform its task without excessive "S" turns even with SIERRA flying at 55 kts and chase at 70 kts. All objectives have been met and this concludes a very successful deployment which overcame obstacles as all deployments do. It has been a pleasure for the SIERRA team to work with all the fine people of Ames Code T1 and the USGS and the interest and support of the community of Cedarville was remarkable. Further investigations of the magnetic environment of Surprise Valley may continue with the Ames Swift UAS next year.		

**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.*

NASA Official: Marilyn Vasques

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