

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:

From:	Cedarville, CA	To:	Cedarville, CA
Start:	09/06/12 14:47 Z	Finish:	09/06/12 18:46 Z
Flight Time:	4 hours		
Log Number:	12R010 - Completed as of this flight.	PI:	Jonathan Glen
Funding Source:	Thomas Wagner - NASA - SMD - ESD Cryospheric Science		
Purpose of Flight:	Science		
Comments:	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 TI 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
Flight Hours Approved in SOFRS	20
Total Used	15.32
Total Remaining	4.68

12R010 Flight Reports

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