

SIERRA 05/01/12

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

Flight Number: 64

Payload Configuration: Surprise Valley payload

Nav Data Collected: No

Total Flight Time: 0.7 hours

Submitted by: Mark Sumich on 05/03/12

Flight Segments:

From:	Crows Landing	To:	Crows Landing
Start:	05/01/12 17:48 Z	Finish:	05/01/12 18:30 Z
Flight Time:	0.7 hours		
Log Number:	12R010	PI:	Jonathan Glen
Funding Source:	Thomas Wagner - NASA - SMD - ESD Cryospheric Science		
Purpose of Flight:	Check		
Comments:	This flight operation was to check out the operation of the Surprise Valley magnetometer payload. The 421.5 MHz aircraft control link was not working properly, so the 900 MHz control link was used. Some interaction with the payload 900 MHz link resulted in reduced control link performance, but not enough to affect the mission. The Iridium control link was very solid, perhaps due in part to the improved Iridium antenna on the aircraft. Flight patterns at 500' were performed over the abandoned metal buildings and other features. All aircraft systems performed nominally.		

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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