

## B-200 (UC-12B) - LARC 11/28/12

Aircraft: [B-200 \(UC-12B\) - LARC](#) ([See full schedule](#))

Flight Number: DAWN R-009

Payload Configuration: DAWN Wind Profiler LIDAR

Nav Data Collected: No

Total Flight Time: 2.3 hours

Submitted by: Michael S. Wusk on 11/28/12

### Flight Segments:

<b>From:</b>	LFI	<b>To:</b>	LFI
<b>Start:</b>	11/28/12 17:57 Z	<b>Finish:</b>	11/28/12 20:14 Z
<b>Flight Time:</b>	2.3 hours		
<b>Log Number:</b>	<a href="#">13B007</a> - Completed as of this flight.	<b>PI:</b>	Michael Kavaya
<b>Funding Source:</b>	Bruce Fisher - NASA - SMD - ESD LARC Chief Engineer, Research Services Directorate		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	<p>Flew over water wind profile pattern. Went out to start pattern at 5000'. Some lower clouds around 3500' so descended to 2000'. After 45 mins or so the instrument temperature started to reach its upper limits. As the clouds cleared we moved up in altitude to try and help lower the instrument temperature, first to 3000' then 10,000' and eventually 20,000'. Unfortunately the instrument temperature never recovered and we called for RTB. This flight ended the current phase of flights. The researchers will be deintegrating the instrument on Friday. Despite the issues on today's flight the research team is very happy with the results of the flight experiment. As a proof of concept effort they have been very successful in accomplishing their goals. The issues encountered and challenges overcome during these flights have given them much needed insight into the operational environment and will better prepared them for follow on flight activity proposed for the coming spring.</p>		

### Flight Hour Summary:

	13B007
<b>Flight Hours Approved in SOFRS</b>	25
<b>Total Used</b>	21.9
<b>Total Remaining</b>	3.1

### 13B007 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">10/22/12</a>	DAWN I-001	Science	1.5	1.5	23.5	
<a href="#">10/24/12</a>	DAWN I-002	Science	2.7	4.2	20.8	
<a href="#">11/01/12</a>	DAWN R-003	Science	2.3	6.5	18.5	
<a href="#">11/02/12</a>	DAWN R-004	Science	2.3	8.8	16.2	
<a href="#">11/06/12</a>	DAWN R-005	Science	1.9	10.7	14.3	
<a href="#">11/16/12</a>	DAWN R-006	Science	2.6	13.3	11.7	
<a href="#">11/20/12</a>	DAWN R-007	Science	3.5	16.8	8.2	
<a href="#">11/26/12</a>	DAWN R-008	Science	2.8	19.6	5.4	
<a href="#">11/28/12</a>	DAWN R-009	Science	2.3	21.9	3.1	

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.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

---

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/B-200\\_UC-12B\\_-\\_LARC\\_11\\_28\\_12#comment-0](https://airbornescience.nasa.gov/flight_reports/B-200_UC-12B_-_LARC_11_28_12#comment-0)