

B-200 (UC-12B) - LARC 06/21/13

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

Flight Number: DAWN 2013 R-2

Payload Configuration: NASA Langley's Doppler Aerosol Wind Lidar System (DAWN)

Nav Data Collected: No

Total Flight Time: 2 hours

Submitted by: Gregory L. Slover on 06/24/13

Flight Segments:

From:	KLFI	To:	KLFI
Start:	06/21/13 13:26 Z	Finish:	06/21/13 15:26 Z
Flight Time:	2 hours		
Log Number:	13B012	PI:	Michael Kavaya
Funding Source:	Bruce Fisher - NASA - SMD - ESD LARC Chief Engineer, Research Services Directorate		
Purpose of Flight:	Science		
Comments:	<p>DAWN data flight #2 over the VA Beach water profile. The weather in the research area off VA Beach was marginal at best. The usable VFR altitudes were all above 5,000'. We tried going below the clouds but the ceiling was less than 2K, so we remained above the clouds for each run. The altitude was between 5 and 6,000' for all but the last two runs which were each just above 7,000' as the clouds increased in altitude over time. The cloud cover below was broken to overcast. We did have a cockpit discussion that the conditions didn't match the desired criteria, but Larry was getting some valid data each run so we decided to continue. When it seemed apparent that the cloud cover was fully overcast, we terminated and came home. The passes were in the following order (times were rounded to nearest minute to help extract data): Diagonal SE – NW from 1350Z – 1355Z 1) Transit 1 W-E: 1358Z – 1403Z 2) Transit 6 E-W: 1405Z – 1410Z 3) Transit 2 W-E: 1413Z – 1417Z 4) Transit 7 E-W: 1420Z – 1425Z 5) Transit 3 W-E: 1431Z – 1436Z 6) Transit 8 E-W: 1439Z – 1444Z 7) Transit 4 W-E: 1447Z – 1452Z 8) Transit 9 E-W: 1455Z – 1459Z 9) Transit 5 W-E: skipped 10) Transit 10 E-W: skipped 11) Transit 11 W-E: skipped 12) Transit 12 E-W: skipped</p>		

Flight Hour Summary:

	13B012
Flight Hours Approved in SOFRS	25
Total Used	23.9
Total Remaining	1.1

13B012 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
06/12/13	DAWN 2013 ICF#1	Check	3.1	3.1	21.9	
06/14/13	DAWN 2013 R-1	Science	2.1	5.2	19.8	
06/21/13	DAWN 2013 R-2	Science	2	7.2	17.8	
06/24/13	DAWN 2013 R-3	Science	2.4	9.6	15.4	
06/26/13	DAWN 2013 R-4	Science	2.3	11.9	13.1	
06/28/13	DAWN 2013 R-5	Science	2.5	14.4	10.6	
07/09/13	DAWN 2013 R-6	Science	3.2	17.6	7.4	
07/10/13	DAWN 2013 R-7	Science	2	19.6	5.4	

07/17/13	DAWN 2013 R-8	Science	2.3	21.9	3.1
07/23/13	DAWN 2013 R-9	Science	2	23.9	1.1

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.

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