

B-200 (UC-12B) - LARC 05/02/14

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

Flight Number: SLAP R 1402AB

Payload Configuration: SLAP - Scanning L-Band Active Passive

Nav Data Collected: No

Total Flight Time: 4.4 hours

Submitted by: Michael S. Wusk on 05/02/14

Flight Segments:

From:	KLFI	To:	KRDU
Start:	05/02/14 12:52 Z	Finish:	05/02/14 16:05 Z
Flight Time:	3.2 hours		
Log Number:	14B011	PI:	Edward Kim
Funding Source:	Jared Entin - NASA - SMD - ESD Hydrology Program		
Purpose of Flight:	Science		
Comments:	First research flight. Flight plan was a track out to western NC to complete multiple legs SW-NE over the Boone NC mountains, followed by a transit to the RDU area and some turns over a boat taking measurements on Lake Jordon. Crew was Kagey, Wusk, Faulkner, Wu. Conditions for the flight were good although there were some scattered thin clouds out over the mountain region and back toward RDU. Light turbulence over the mountains. The number of legs over the mountains were cut in about half once we got through the first leg and made an assessment of the fuel burn rate. Transit to RDU was uneventful and multiple turns made over the boats location. We landed at RDU for fuel/lunch.		

From:	KRDU	To:	KLFI
Start:	05/02/14 17:18 Z	Finish:	05/02/14 18:30 Z
Flight Time:	1.2 hours		
Log Number:	14B011	PI:	Edward Kim
Funding Source:	Jared Entin - NASA - SMD - ESD Hydrology Program		
Purpose of Flight:	Science		
Comments:	Second flight of the day. Crew was Kagey, Wusk, Faulkner, Wu. Take off from RDU VFR. Climb out to the north to allow instrument temperature to stabilize. Then complete multiple turns over Lake Jordon and the boat. Head back toward Langley. Planned route home (which was to fly over multiple ground measurement sites) was now covered with light precip, so the researchers made the decision to continue taking data but on a direct route home. Flew leg at 3,500' for research. Nominal landing and shutdown at Langley. Researchers requesting next flight for Monday May 5.		

Flight Hour Summary:

	14B011
Flight Hours Approved in SOFRS	32
Total Used	22.8
Total Remaining	9.2

14B011 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/25/14	SLAP ICF 1401	Science	1.1	1.1	30.9	
05/02/14	SLAP R 1402AB	Science	3.2	4.3	27.7	
05/02/14	SLAP R 1402AB	Science	1.2	5.5	26.5	
05/05/14	SLAP R 1403AB	Science	3.9	9.4	22.6	

05/05/14	SLAP R 1403AB	Science	1.6	11	21
05/08/14	SLAP R 1404	Science	1.2	12.2	19.8
05/09/14	SLAP R 1405AB	Science	3.4	15.6	16.4
05/09/14	SLAP R 1405AB	Science	1.4	17	15
05/20/14	SLAP R 1406	Science	1.5	18.5	13.5
05/21/14	SLAP R 1407A/B	Science	4.3	22.8	9.2

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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