

B-200 (UC-12B) - LARC 05/26/21

NOTE: All flight reports will be archived as NASA public data in the DAAC.

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

Flight Number: Activate Flight 64/65 (Researcher #73/74) (Update each flight)

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 6.6 hours

Submitted by: Glenn Jamison on 05/26/21

Flight Segments:

From:	KLFI	To:	KLFI
Start:	05/26/21 12:37 Z	Finish:	05/26/21 15:56 Z
Flight Time:	3.3 hours		
Log Number:	21B005	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	700 miles		
Comments:	Science flight for the UC-12 in support of ACTIVATE, conducted cooperatively with the HU-25. Two flight day. Departed Rwy 08, VFR departure direct to ATLIC at FL270. Planned route ATLIC-ZIBUT-37N069W-ZIBUT-ATLIC. Coordinated change with New York Center to get FL280 headed out to ZIBUT. Winds were out of the northwest at ~10-20kts at altitude. Aircraft geolocation was generally within ~20 NM on way out to 37N069W during the flight. Turned slightly early to synch up with NASA 524. Maintained less than 5 NM separation on the way back. Remained at FL280 until 20nm from ATLIC. Had to descend to FL 260 for traffic. Descended out of FL 260 at ATLIC. All objectives were achieved with no aircraft discrepancies noted. Crew was Coldsnow, Sandeen, and Harper		

From:	KLFI	To:	klfi
Start:	05/26/21 17:17 Z	Finish:	05/26/21 20:32 Z
Flight Time:	3.3 hours		
Log Number:	21B005	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	722 miles		
Comments:	Cooperative science flight with the HU-25. Two flight day. Departed Rwy 26, IFR departure with climb on course to ECG. Planned route ECG-OXANA-32N073W-OXANA-ECG. Washington center capped the climb and final cruise altitude at FL270. Winds were out of the northwest at ~10-20kts at altitude. Aircraft geolocation was initially behind the HU-25 by about 40nm, slowly catching up until on-top approximately half way down the outbound leg from OXANA. HU-25 truncated the leg early, approximately 30nm prior to turn point. Descended out of FL 270 approximately 20 nm southeast of ECG. 4x dropsondes deployed per mission brief. All objectives were achieved with no aircraft discrepancies noted. Crew was Jamison, Sandeen, and Shingler.		

Flight Hour Summary:

	21B005
Flight Hours Approved in SOFRS	200
Total Used	180
Total Remaining	20

21B005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
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01/20/21	Activate Flight 33	Science	3	3	197	600
01/29/21	Activate Flight 34	Science	3	6	194	700
02/03/21	Activate Flight 35	Science	3.3	9.3	190.7	700
02/10/21	Activate Flight 36	Science	3.7	13	187	670
02/20/21	Activate Flight 37 (Researcher #46)	Science	3.3	16.3	183.7	600
02/21/21	Activate Flight 38 (Researcher #47)	Science	4	20.3	179.7	650
03/04/21	Activate Flight 39 (Researcher #48)	Science	3.1	23.4	176.6	620
03/05/21	Activate Flight 40 (Researcher #49)	Science	3.5	26.9	173.1	706
03/05/21	Activate Flight 41 (Researcher #50)	Science	3.3	30.2	169.8	650
03/08/21	Activate Flight 42 (Researcher #51)	Science	3.3	33.5	166.5	680
03/09/21	Activate Flight 43 (Researcher #52)	Science	3.4	36.9	163.1	708
03/12/21	Activate Flight 44/45 (Researcher #53/54)	Science	3.4	40.3	159.7	700
03/12/21	Activate Flight 44/45 (Researcher #53/54)	Science	3.5	43.8	156.2	700
03/20/21	Activate Flight 46 (Researcher #55)	Science	3.4	47.2	152.8	705
03/23/21	Activate Flight 47 (Researcher #56)	Science	4.1	51.3	148.7	704
03/29/21	Activate Flight 48 (Researcher #57) (Update each flight)	Science	3.9	55.2	144.8	767
03/30/21	Activate Flight 49 (Researcher #58) (Update each flight)	Science	3.4	58.6	141.4	712
03/30/21	Activate Flight 50 (Researcher #59) (Update each flight)	Science	3.6	62.2	137.8	797
04/02/21	Activate Flight 51 (Researcher #60) (Update each flight)	Science	2.6	64.8	135.2	710
04/02/21	Activate Flight 51 (Researcher #61) (Update each flight)	Science	4.7	69.5	130.5	710
05/12/21	Activate Flight 52 (Researcher ICF) (Update each flight)	Science	1.3	70.8	129.2	250
05/13/21	Activate Flight 53 (Researcher #62) (Update each flight)	Science	3.7	74.5	125.5	0
05/14/21	Activate Flight 54/55 (Researcher #63/64) (Update each flight)	Science	3.7	78.2	121.8	730
05/14/21	Activate Flight 54/55 (Researcher #63/64) (Update each flight)	Science	3.5	81.7	118.3	720
05/15/21	Activate Flight 56 (Researcher #65) (Update each flight)	Science	3.5	85.2	114.8	0
05/18/21	Activate Flight 57 (Researcher #66) (Update each flight)	Science	3.6	88.8	111.2	720
05/19/21	Activate Flight 58 (Researcher #67) (Update each flight)	Science	3.4	92.2	107.8	710
05/19/21	Activate Flight 59 (Researcher #68) (Update each flight)	Science	3.4	95.6	104.4	720
05/20/21	Activate Flight 60 (Researcher #69) (Update each flight)	Science	3.8	99.4	100.6	710
05/21/21	Activate Flight 61 (Researcher #70) (Update each flight)	Science	3.6	103	97	750

05/21/21	Activate Flight 62 (Researcher #71) (Update each flight)	Science	3.3	106.3	93.7	710
05/25/21	Activate Flight 63 (Researcher #72) (Update each flight)	Science	3.4	109.7	90.3	713
05/26/21	Activate Flight 64/65 (Researcher #73/74) (Update each flight)	Science	3.3	113	87	700
05/26/21	Activate Flight 64/65 (Researcher #73/74) (Update each flight)	Science	3.3	116.3	83.7	722
06/01/21	Activate Flight 66 (Researcher #75) (Update each flight)	Science	3.6	119.9	80.1	710
06/02/21	Activate Flight 67/68 (Researcher #76/77) (Update each flight)	Science	3.4	123.3	76.7	0
06/02/21	Activate Flight 67/68 (Researcher #76/77) (Update each flight)	Science	3.1	126.4	73.6	0
06/05/21	Activate Flight 69 (Researcher #78) (Update each flight)	Science	3.4	129.8	70.2	726
06/07/21	Activate Flight 70/71 (Researcher #79/80) (Update each flight)	Science	3.5	133.3	66.7	720
06/07/21	Activate Flight 70/71 (Researcher #79/80) (Update each flight)	Science	2.9	136.2	63.8	690
06/08/21	Activate Flight 72/73 (Researcher #81/82) (Update each flight)	Science	3.3	139.5	60.5	720
06/08/21	Activate Flight 72/73 (Researcher #81/82) (Update each flight)	Science	3.6	143.1	56.9	720
06/15/21	Activate Flight 74 (Researcher #83) (Update each flight)	Science	3.2	146.3	53.7	680
06/16/21	Activate Flight 75 (Researcher #84) (Update each flight)	Science	3.7	150	50	690
06/17/21	Activate Flight 76 (Researcher #85) (Update each flight)	Science	3	153	47	600
06/22/21	Activate Flight 77 (Researcher #86) (Update each flight)	Science	3.3	156.3	43.7	690
06/24/21	Activate Flight 78 (Researcher #87) (Update each flight)	Science	3.5	159.8	40.2	690
06/26/21	Activate Flight 79/80 (Researcher #88/89) (Update each flight)	Science	3.4	163.2	36.8	690
06/26/21	Activate Flight 79/80 (Researcher #88/89) (Update each flight)	Science	3.4	166.6	33.4	680
06/28/21	Activate Flight 81 (Researcher #90) (Update each flight)	Science	3.3	169.9	30.1	690
06/29/21	Activate Flight 82 (Researcher #91) (Update each flight)	Science	3.3	173.2	26.8	687
06/30/21	Activate Flight 83/84 (Researcher #92/93) (Update each flight)	Science	3.4	176.6	23.4	685
06/30/21	Activate Flight 83/84 (Researcher #92/93) (Update each flight)	Science	3.4	180	20	680

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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