

## 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:	<a href="#">21B005</a>	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:	<a href="#">21B005</a>	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:

	<b>21B005</b>
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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<a href="#">01/20/21</a>	Activate Flight 33	Science	3	3	197	600
<a href="#">01/29/21</a>	Activate Flight 34	Science	3	6	194	700
<a href="#">02/03/21</a>	Activate Flight 35	Science	3.3	9.3	190.7	700
<a href="#">02/10/21</a>	Activate Flight 36	Science	3.7	13	187	670
<a href="#">02/20/21</a>	Activate Flight 37 (Researcher #46)	Science	3.3	16.3	183.7	600
<a href="#">02/21/21</a>	Activate Flight 38 (Researcher #47)	Science	4	20.3	179.7	650
<a href="#">03/04/21</a>	Activate Flight 39 (Researcher #48)	Science	3.1	23.4	176.6	620
<a href="#">03/05/21</a>	Activate Flight 40 (Researcher #49)	Science	3.5	26.9	173.1	706
<a href="#">03/05/21</a>	Activate Flight 41 (Researcher #50)	Science	3.3	30.2	169.8	650
<a href="#">03/08/21</a>	Activate Flight 42 (Researcher #51)	Science	3.3	33.5	166.5	680
<a href="#">03/09/21</a>	Activate Flight 43 (Researcher #52)	Science	3.4	36.9	163.1	708
<a href="#">03/12/21</a>	Activate Flight 44/45 (Researcher #53/54)	Science	3.4	40.3	159.7	700
<a href="#">03/12/21</a>	Activate Flight 44/45 (Researcher #53/54)	Science	3.5	43.8	156.2	700
<a href="#">03/20/21</a>	Activate Flight 46 (Researcher #55)	Science	3.4	47.2	152.8	705
<a href="#">03/23/21</a>	Activate Flight 47 (Researcher #56)	Science	4.1	51.3	148.7	704
<a href="#">03/29/21</a>	Activate Flight 48 (Researcher #57) (Update each flight)	Science	3.9	55.2	144.8	767
<a href="#">03/30/21</a>	Activate Flight 49 (Researcher #58) (Update each flight)	Science	3.4	58.6	141.4	712
<a href="#">03/30/21</a>	Activate Flight 50 (Researcher #59) (Update each flight)	Science	3.6	62.2	137.8	797
<a href="#">04/02/21</a>	Activate Flight 51 (Researcher #60) (Update each flight)	Science	2.6	64.8	135.2	710
<a href="#">04/02/21</a>	Activate Flight 51 (Researcher #61) (Update each flight)	Science	4.7	69.5	130.5	710
<a href="#">05/12/21</a>	Activate Flight 52 (Researcher ICF) (Update each flight)	Science	1.3	70.8	129.2	250
<a href="#">05/13/21</a>	Activate Flight 53 (Researcher #62) (Update each flight)	Science	3.7	74.5	125.5	0
<a href="#">05/14/21</a>	Activate Flight 54/55 (Researcher #63/64) (Update each flight)	Science	3.7	78.2	121.8	730
<a href="#">05/14/21</a>	Activate Flight 54/55 (Researcher #63/64) (Update each flight)	Science	3.5	81.7	118.3	720
<a href="#">05/15/21</a>	Activate Flight 56 (Researcher #65) (Update each flight)	Science	3.5	85.2	114.8	0
<a href="#">05/18/21</a>	Activate Flight 57 (Researcher #66) (Update each flight)	Science	3.6	88.8	111.2	720
<a href="#">05/19/21</a>	Activate Flight 58 (Researcher #67) (Update each flight)	Science	3.4	92.2	107.8	710
<a href="#">05/19/21</a>	Activate Flight 59 (Researcher #68) (Update each flight)	Science	3.4	95.6	104.4	720
<a href="#">05/20/21</a>	Activate Flight 60 (Researcher #69) (Update each flight)	Science	3.8	99.4	100.6	710
<a href="#">05/21/21</a>	Activate Flight 61 (Researcher #70) (Update each flight)	Science	3.6	103	97	750

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

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