

B-200 (UC-12B) - LARC 06/30/21

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

Flight Number: Activate Flight 83/84 (Researcher #92/93) (Update each flight)

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 6.8 hours

Submitted by: Michael S. Wusk on 06/30/21

Flight Segments:

From:	KLFI	To:	KLFI
Start:	06/30/21 12:20 Z	Finish:	06/30/21 15:42 Z
Flight Time:	3.4 hours		
Log Number:	21B005	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	685 miles		
Comments:	Planned as a UC-12 double flight day; cooperative flight with the HU-25. Planned route: KLFI ATLIC ZIBUT 3740N06922W ZIBUT ATLIC KLFI. UC12 takeoff from runway 26 ahead of HU-25. Good ATC departure and climb to FL280. Generators held a good balance. Profile out to TP and back to ATLIC was nominal. Before reaching the TP, a second lat/long of 37N7130W was added to put return leg more through cloud field. Started the descent into Langley just prior to ATLIC. ATC gave vectors for a ILS 26. Normal landing at KLFI, runway 26. 4x dropsondes deployed; ZIBUT EB, turn point, 1/2 to ZIBUT WB, East of ATLIC. Good coincidence throughout flight. Crew was Delaney, Wusk, Harper.		

From:	KLFI	To:	KLFI
Start:	06/30/21 17:08 Z	Finish:	06/30/21 20:30 Z
Flight Time:	3.4 hours		
Log Number:	21B005 - Completed as of this flight.	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	680 miles		
Comments:	Planned as second flight of a UC-12 double flight day; cooperative flight with the HU-25. Planned route: KLFI ECG OXANA ATUGI 3610N07045W ZIBUT ATLIC KLFI. UC12 takeoff from runway 26 ahead of HU-25. Good ATC departure and climb to FL280. Generators held a good balance. Profile out AR8, to OCEANIC control, back to ATLIC was nominal. Started the descent into Langley just prior to ATLIC. ATC gave vectors for a VISUAL 26. Normal landing at KLFI, runway 26. 4x dropsondes deployed. Good coincidence throughout flight. Crew was Delaney, Wusk, Shingler. Last flight of the Summer 2021 campaign.		

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
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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