

## B-200 (UC-12B) - LARC 02/15/22

**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 120/121 (Update each flight)

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 7.5 hours

Submitted by: Michael S. Wusk on 02/15/22

Flight Segments:

From:	klfi	To:	KLFI
Start:	02/15/22 13:32 Z	Finish:	02/15/22 17:06 Z
Flight Time:	3.6 hours		
Log Number:	<a href="#">22B005</a>	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	708 miles		
Comments:	First flight of a double flight day. Joint with HU25. KLFI-ECG-OXANA-3245N07145W-OXANA-ECG-KLFI Take off from Rwy 08 after the HU25. Good ATC, flew route as planned, relay radio comms for HU. Sondes dropped as planned. Good spatial coordination despite strong winds at altitude. Start descent about 15 SE of ECG. VISUAL appr to Rwy 08. quick turn to make a 1315 planned second takeoff.		

From:	KLFI	To:	klfi
Start:	02/15/22 18:25 Z	Finish:	02/15/22 22:21 Z
Flight Time:	3.9 hours		
Log Number:	<a href="#">22B005</a>	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	806 miles		
Comments:	Second flight of a planned two flight day. Cooperative flight with the HU25. KLFI-ECG-OXANA-32N70W-OXANA-ECG-KLFI. HU with over-gross fueling. Aiming for 1315 (too provide sunset buffer due to long flight) take-off was overly optimistic, especially with the winds making the morning flight longer. Taxied out but HU25 was airborne ahead of an Air Force surge that delayed out takeoff substantially. By the time the UC was airborne there was already a significant separation between aircraft. The UC12 eventually caught up and was ahead of the HU approaching the Turn Point. Due to the strong westerly winds the UC needed to turn about 10nm early. Even with the early turn the UC soon fell behind the HU on the westbound leg. The HU was landing about the time the UC was over head ECG. UC completed a visual appr to Rwy 08. Aircraft good for a planned two flight day tomorrow.		

### Flight Hour Summary:

	<b>22B005</b>
Flight Hours Approved in SOFRS	196.3
Total Used	197.2
Total Remaining	-0.9

### 22B005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">02/14/22</a>	Activate Flight ICF (Update each flight)	Science	1.8	1.8	194.5	400

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<a href="#">02/15/22</a>	Activate Flight 120/121 (Update each flight)	Science	3.6	5.4	190.9	708
<a href="#">02/15/22</a>	Activate Flight 120/121 (Update each flight)	Science	3.9	9.3	187	806
<a href="#">02/16/22</a>	Activate Flight 122/123 (Update each flight)	Science	3.5	12.8	183.5	713
<a href="#">02/16/22</a>	Activate Flight 122/123 (Update each flight)	Science	3.7	16.5	179.8	782
<a href="#">02/19/22</a>	Activate Flight 124/125 (Update each flight)	Science	3.9	20.4	175.9	739
<a href="#">02/19/22</a>	Activate Flight 124/125 (Update each flight)	Science	3.6	24	172.3	690
<a href="#">02/22/22</a>	Activate Flight 126/127 (Update each flight)	Science	3.3	27.3	169	710
<a href="#">02/22/22</a>	Activate Flight 126/127 (Update each flight)	Science	3.5	30.8	165.5	710
<a href="#">02/26/22</a>	Activate Flight 128/129a/129b (Update each flight)	Science	3	33.8	162.5	700
<a href="#">02/26/22</a>	Activate Flight 128/129a/129b (Update each flight)	Science	0.3	34.1	162.2	25
<a href="#">02/26/22</a>	Activate Flight 128/129a/129b (Update each flight)	Science	2.1	36.2	160.1	600
<a href="#">03/02/22</a>	Activate Flight 130 (Update each flight)	Science	3.8	40	156.3	714
<a href="#">03/03/22</a>	Activate Flight 131/132 (Update each flight)	Science	3.5	43.5	152.8	717
<a href="#">03/03/22</a>	Activate Flight 131/132 (Update each flight)	Science	3.4	46.9	149.4	700
<a href="#">03/04/22</a>	Activate Flight 133/134 (Update each flight)	Science	3.8	50.7	145.6	761
<a href="#">03/04/22</a>	Activate Flight 133/134 (Update each flight)	Science	3.7	54.4	141.9	712
<a href="#">03/07/22</a>	Activate Flight 135 (Update each flight)	Science	3.4	57.8	138.5	716
<a href="#">03/13/22</a>	Activate Flight 137/138 (136 was HU only)(Update each flight)	Science	4	61.8	134.5	714
<a href="#">03/13/22</a>	Activate Flight 137/138 (136 was HU only)(Update each flight)	Science	3.9	65.7	130.6	700
<a href="#">03/14/22</a>	Activate Flight139/140	Science	3.4	69.1	127.2	0
<a href="#">03/14/22</a>	Activate Flight139/140	Science	3.5	72.6	123.7	0
<a href="#">03/22/22</a>	Activate Flight142/143	Science	2.6	75.2	121.1	690
<a href="#">03/22/22</a>	Activate Flight142/143	Science	3.8	79	117.3	680
<a href="#">03/26/22</a>	Activate Flight144/145	Science	3.9	82.9	113.4	750
<a href="#">03/26/22</a>	Activate Flight144/145	Science	4	86.9	109.4	800
<a href="#">03/28/22</a>	Activate Flight146	Science	4	90.9	105.4	705
<a href="#">03/29/22</a>	Activate Flight147/148	Science	4	94.9	101.4	700
<a href="#">03/29/22</a>	Activate Flight147/148	Science	3.7	98.6	97.7	700
<a href="#">05/03/22</a>	Activate Flight149	Science	3.2	101.8	94.5	710
<a href="#">05/05/22</a>	Activate Flight150/151	Science	3.4	105.2	91.1	726
<a href="#">05/05/22</a>	Activate Flight150/151	Science	3.5	108.7	87.6	728
<a href="#">05/10/22</a>	Activate Flight 152	Science	3.4	112.1	84.2	720
<a href="#">05/16/22</a>	Activate Flight 153/154	Science	3.4	115.5	80.8	685

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<a href="#">05/16/22</a>	Activate Flight 153/154	Science	3.3	118.8	77.5	685
<a href="#">05/17/22</a>	Activate Flight 155	Science	3.4	122.2	74.1	682
<a href="#">05/18/22</a>	Activate Flight 156/157	Science	3	125.2	71.1	732
<a href="#">05/18/22</a>	Activate Flight 156/157	Science	4.2	129.4	66.9	732
<a href="#">05/20/22</a>	Activate Flight 158	Science	3.4	132.8	63.5	700
<a href="#">05/21/22</a>	Activate Flight 159 & 160	Science	3.2	136	60.3	640
<a href="#">05/21/22</a>	Activate Flight 159 & 160	Science	3.7	139.7	56.6	735
<a href="#">05/31/22</a>	Activate Flight 161	Science	3.6	143.3	53	700
<a href="#">06/05/22</a>	Activate Flight 165	Science	3.5	146.8	49.5	700
<a href="#">06/07/22</a>	Activate Flight 166 and 167	Science	3.7	150.5	45.8	700
<a href="#">06/07/22</a>	Activate Flight 166 and 167	Science	3.5	154	42.3	700
<a href="#">06/08/22</a>	Activate Flight 168 and 169	Science	3.3	157.3	39	700
<a href="#">06/08/22</a>	Activate Flight 168 and 169	Science	3.7	161	35.3	700
<a href="#">06/10/22</a>	Activate Flight 170 & 171	Science	3.7	164.7	31.6	790
<a href="#">06/10/22</a>	Activate Flight 170 & 171	Science	4.1	168.8	27.5	750
<a href="#">06/11/22</a>	Activate Flight 172 & 173	Science	3.9	172.7	23.6	805
<a href="#">06/11/22</a>	Activate Flight 172 & 173	Science	3.7	176.4	19.9	800
<a href="#">06/13/22</a>	Activate Flight 174 & 175	Science	3.7	180.1	16.2	723
<a href="#">06/13/22</a>	Activate Flight 174 & 175	Science	3.6	183.7	12.6	725
<a href="#">06/14/22</a>	Activate Flight 176	Science	3.9	187.6	8.7	800
<a href="#">06/16/22</a>	Activate Flight 177	Science	1.9	189.5	6.8	378
<a href="#">06/17/22</a>	Activate Flight 178	Science	3.8	193.3	3	723
<a href="#">06/18/22</a>	Activate Flight 179/180	Science	3.7	197	-0.7	651
<a href="#">06/18/22</a>	Activate Flight 179/180	Ferry	0.2	197.2	-0.9	20

*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.*

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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