

## B-200 (UC-12B) - LARC 06/17/22

**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 178

**Payload Configuration:** HSRL II/RSP

**Nav Data Collected:** No

**Total Flight Time:** 3.8 hours

**Submitted by:** Matthew Coldsnow on 06/17/22

**Flight Segments:**

<b>From:</b>	TXKF	<b>To:</b>	TXKF
<b>Start:</b>	06/17/22 12:57 Z	<b>Finish:</b>	06/17/22 16:48 Z
<b>Flight Time:</b>	3.8 hours		
<b>Log Number:</b>	<a href="#">22B005</a>	<b>PI:</b>	Armin Sorooshian
<b>Funding Source:</b>	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	723 miles		
<b>Comments:</b>	Flight flown as a statistical survey ending with a spiral near the Tudor site. The following routing was flown: TXKF 3200N065W 3209N06442W BDA 3300N06440W RNGRS 3708N06552W RNGRS 3300N06440W 3215N06500W 320213N0650622W TXKF. All timing was within 10 minutes of the Falcon the entire flight. Some scattered cirrus above and below our altitude but nothing thick at all. Seven dropsondes were released and all were nominal. Winds were out of the northwest between 30-50 knots.		

**Flight Hour Summary:**

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

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<a href="#">02/26/22</a>	Activate Flight128/129a/129b (Update eachflight)	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
<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

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<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.*

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