

B-200 (UC-12B) - LARC 03/22/22

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 Flight142/143

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 6.4 hours

Submitted by: Michael S. Wusk on 03/22/22

Flight Segments:

From:	klfi	To:	TXKF
Start:	03/22/22 12:50 Z	Finish:	03/22/22 15:23 Z
Flight Time:	2.6 hours		
Log Number:	22B005	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	690 miles		
Comments:	Two flight day with HU-25. First planned Bermuda refueling. Planned for 0830 take-off for HU with UC12 to follow. Strong tailwinds expected for the UC to Bermuda. Planned for FL230. Route KLFI ATLIC ZIBUT SKPPR DASER TXKF. Flown as planned, 4 sondes, landed with 2200#. RNAV to Rwy 30. Taxied to Apron 4 near FBO. We knew they would not have a GPU (it broke the weekend prior) so HU had to shut down cold. Fuel truck was waiting. 4 biz jets were in process of leaving, but once they were gone an FBO rep drove some of us down to look at the Longtail hangar as a short site visit for the June deployment. Re-boarded for a planned 2PM ADT take-off.		

From:	TXKF	To:	KLFI
Start:	03/22/22 17:11 Z	Finish:	03/22/22 21:00 Z
Flight Time:	3.8 hours		
Log Number:	22B005	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Earth Venture Suborbital-3 Program		
Purpose of Flight:	Science		
Miles Flown:	680 miles		
Comments:	Return leg from Bermuda to Langley. Depart Rwy 30, easy climb out and on course. Filed TXKF DASER SKPPR ZIBUT ATLIC KLFI. 3 sondes dropped during flight. HU took off after UC and did several spirals to help with coincidence. Headwinds of about 70 knots for most all of the flight at FL220. Visual Rwy 08. Arranged for US Custom and Border Protection to clear aircraft at Langley. Had sent updated ETA earlier in flight to 5 PM rather than 5:30 PM. CPB agents arrived at 4:45 and were there to quickly clear both aircraft. First time for Custom Clearance at LaRC. First flight fueled to 14,000 # to allow for headwinds. Landed with 1400#.		

Flight Hour Summary:

	22B005
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
02/14/22	Activate Flight ICF (Update each flight)	Science	1.8	1.8	194.5	400

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

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