

## B-200 (UC-12B) - LARC 03/05/21

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

Flight Number: Activate Flight 41(Researcher #50)

Payload Configuration: HSRL II/RSP

Nav Data Collected: No

Total Flight Time: 3.3 hours

Submitted by: Luke Delaney on 03/05/21

### Flight Segments:

<b>From:</b>	klfi	<b>To:</b>	klfi
<b>Start:</b>	03/05/21 13:40 Z	<b>Finish:</b>	03/05/21 16:57 Z
<b>Flight Time:</b>	3.3 hours		
<b>Log Number:</b>	<a href="#">21B005</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>	650 miles		
<b>Comments:</b>	<p>Science flight for the UC-12 in support of ACTIVATE Campaign #3, conducted cooperatively with the HU-25. Departed Rwy26 and climbed to 25000 ft MSL heading north to SIE for the northern oceanic corridor. The weather was clear with a scattered/broken layer at approximately 5000 ft overwater (~50nmi offshore) transitioning to clear overland. Predominant wind from the northwest at 100 knots. Data was collected initially at 25000 ft MSL for the overland portion, and then a climb was conducted for collection at 28000 ft MSL for the remainder of flight. The laser was secured for about 15 seconds ~40nmi south of SIE for an aircraft under-flight. Several dropsondes were deployed on the route between SIE-AGUNE-37N71W-ZIBUT-ATLIC. Remained with 20 nmi of the HU-25 geolocation throughout the data collection effort. Takeoff was delayed by about 10 min due troubleshooting requiring instrument resets. Some minor instrument degraders were encountered and resolved during initial portion of flight (~45 min).</p>		

### Flight Hour Summary:

	21B005
<b>Flight Hours Approved in SOFRS</b>	200
<b>Total Used</b>	180
<b>Total Remaining</b>	20

### 21B005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<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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