

## B200 - LARC 01/26/22

**NOTE:** All flight reports will be archived as NASA public data in the DAAC.

Aircraft: [B200 - LARC](#) (See full schedule)

Flight Number: ACTIVATE 5 Research Flt 111/112

Payload Configuration: ACTIVATE

Nav Data Collected: No

Total Flight Time: 7.4 hours

Submitted by: Matthew Coldsnow on 01/27/22

### Flight Segments:

From:	klfi	To:	klfi
Start:	01/26/22 13:10 Z	Finish:	01/26/22 16:53 Z
Flight Time:	3.7 hours		
Log Number:	<a href="#">22B003</a>	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	705 miles		
Comments:	Flight flown as briefed. King Air takeoff delayed due to remote tower operations. King Air was outside the 10 minute window of the Falcon until halfway between ATLIC and CROAK. Rest of the flight was synchronized until the King Air was 45 NM from ATLIC. Falcon did one 3min 360 to help with synchronization on the way back. Winds at altitude were out of the SW at 100-115 Knots. Four dropsonds were released. All data collection from sonds were nominal.		

From:	klfi	To:	klfi
Start:	01/26/22 18:07 Z	Finish:	01/26/22 21:47 Z
Flight Time:	3.7 hours		
Log Number:	<a href="#">22B003</a>	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	710 miles		
Comments:	Flight flown as briefed. King Air remained synched with Falcon throughout the flight (within 10 min) until 40 NM from ZIZZ1 on the return leg. There were no observed clouds at low altitude from ZIZZ1 to 40 NM out. King Air experienced intermittent cirrus clouds from 30 NM before LYNUS to 30 NM after LYNUS. There were period of time when the RSP shutter was closed during encounters with cirrus clouds. Researcher requested to stay at FL280. Winds at flight level 280 were out of the SW at 100-135 Knots. Three dropsonds were released on this flight. All data collection from the sonds were nominal.		

### Flight Hour Summary:

	<b>22B003</b>
Flight Hours Approved in SOFRS	290
Total Used	93.7
Total Remaining	196.3

### 22B003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">11/19/21</a>	ACTIVATE 5 ICF#1	Science	1.4	1.4	288.6	180
<a href="#">11/19/21</a>	ACTIVATE 5 ICF#2	Science	1.7	3.1	286.9	220
<a href="#">11/30/21</a>	ACTIVATE 5 Research Flt 94	Science	3.5	6.6	283.4	720

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<a href="#">12/01/21</a>	ACTIVATE 5Research Flt 95	Science	3.5	10.1	279.9	720
<a href="#">12/07/21</a>	ACTIVATE 5 Research Flt 96	Science	3.5	13.6	276.4	712
<a href="#">12/09/21</a>	ACTIVATE 5 Research Flt 97	Science	3.5	17.1	272.9	698
<a href="#">12/09/21</a>	ACTIVATE 5 Research Flt 98	Science	3.5	20.6	269.4	684
<a href="#">12/10/21</a>	ACTIVATE 5 Research Flt 99	Science	3.3	23.9	266.1	700
<a href="#">01/11/22</a>	ACTIVATE 5 Research Flt 100 and 101	Science	3.6	27.5	262.5	705
<a href="#">01/11/22</a>	ACTIVATE 5 Research Flt 100 and 101	Science	3.6	31.1	258.9	710
<a href="#">01/12/22</a>	ACTIVATE 5 Research Flt 102 and 103	Science	3.3	34.4	255.6	705
<a href="#">01/12/22</a>	ACTIVATE 5 Research Flt 102 and 103	Science	3.4	37.8	252.2	747
<a href="#">01/15/22</a>	ACTIVATE 5 Research Flt 104	Science	3.7	41.5	248.5	740
<a href="#">01/18/22</a>	ACTIVATE 5 Research Flt 105/106	Science	3.7	45.2	244.8	715
<a href="#">01/18/22</a>	ACTIVATE 5 Research Flt 105/106	Science	3.8	49	241	706
<a href="#">01/19/22</a>	ACTIVATE 5 Research Flt 107/108	Science	3.5	52.5	237.5	714
<a href="#">01/19/22</a>	ACTIVATE 5 Research Flt 107/108	Science	3.4	55.9	234.1	720
<a href="#">01/24/22</a>	ACTIVATE 5 Research Flt 109/110	Science	3.4	59.3	230.7	708
<a href="#">01/24/22</a>	ACTIVATE 5 Research Flt 109/110	Science	3.4	62.7	227.3	715
<a href="#">01/26/22</a>	ACTIVATE 5 Research Flt 111/112	Science	3.7	66.4	223.6	705
<a href="#">01/26/22</a>	ACTIVATE 5 Research Flt 111/112	Science	3.7	70.1	219.9	710
<a href="#">01/28/22</a>	ACTIVATE 5 Research Flt 113/114	Science	3.1	73.2	216.8	710
<a href="#">01/28/22</a>	ACTIVATE 5 Research Flt 113/114	Science	3.5	76.7	213.3	710
<a href="#">02/01/22</a>	ACTIVATE 5 Research Flt 115	Science	3.3	80	210	715
<a href="#">02/02/22</a>	ACTIVATE 5 Research Flt 116	Science	3.7	83.7	206.3	780
<a href="#">02/03/22</a>	ACTIVATE 5 Research Flt 117/118	Science	3.3	87	203	709
<a href="#">02/03/22</a>	ACTIVATE 5 Research Flt 117/118	Science	3.3	90.3	199.7	711
<a href="#">02/05/22</a>	ACTIVATE 5 Research Flt 119	Science	3.4	93.7	196.3	700

*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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Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

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