

## B200 - LARC 12/07/21

**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 96

**Payload Configuration:** ACTIVATE

**Nav Data Collected:** No

**Total Flight Time:** 3.5 hours

**Submitted by:** Glenn Jamison on 12/07/21

**Flight Segments:**

<b>From:</b>	KLFI	<b>To:</b>	KLFI
<b>Start:</b>	12/07/21 16:57 Z	<b>Finish:</b>	12/07/21 20:29 Z
<b>Flight Time:</b>	3.5 hours		
<b>Log Number:</b>	<a href="#">22B003</a>	<b>PI:</b>	Armin Sorooshian
<b>Funding Source:</b>	Hal Maring - NASA - SMD - ESD Radiation Science Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	712 miles		
<b>Comments:</b>	Cooperative flight with HU-25; KLFI-ATLIC-ZIBUT-SHOKR-ZIBUT-ATLIC-TURET-KLFI. Take off Runway 08 ~2 minutes after HU-25. Forward FOD door opened only with assist by researcher. Uninterrupted climb on course to ATLIC and fl280. 4x dropsondes deployed at ZIBUT, SHOKR (immediately prior to turn), 1/2 way between SHOKR & ZIBUT, and ~3 nm after ATLIC inbound. Maintained FL280 until final dropsonde inside of ATLIC. Uneventful recovery to KLFI runway 08. Initial problems with camera and SATCOM being inop; blue light was illuminated on NUC. Troubleshooting with ground researchers via relay through HU-25 identified issue; system performance was nominal for remainder of flight. Aircraft remained within 10-minute tolerances of hu-25 for entire profile from ATLIC outbound to ATLIC inbound.		

### Flight Hour Summary:

	<b>22B003</b>
<b>Flight Hours Approved in SOFRS</b>	290
<b>Total Used</b>	93.7
<b>Total Remaining</b>	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
<a href="#">12/01/21</a>	ACTIVATE 5 Research 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

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<a href="#">01/11/22</a>	ACTIVATE 5Research Flt 100 and101	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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