

## B200 - LARC 01/19/22

**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 107/108

**Payload Configuration:** ACTIVATE

**Nav Data Collected:** No

**Total Flight Time:** 3.4 hours

**Submitted by:** Michael S. Wusk on 01/20/22

**Flight Segments:**

<b>From:</b>	klfi	<b>To:</b>	klfi
<b>Start:</b>	01/19/22 18:34 Z	<b>Finish:</b>	01/19/22 22:00 Z
<b>Flight Time:</b>	3.4 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>	720 miles		
<b>Comments:</b>	Afternoon cooperative flight with HU-25. Route of flight: KLFI-ECG-OXANA-N34W71- OXANA-ECG-KLFI. Surface weather clear with winds out of the west favoring KLFI 26 departure for both aircraft. Substantial hold for both due to lots of landing traffic. B200 took off first based on upper wind profile. Uneventful climb on course to FL220 initially. Later climbed to FL280 to get above some higher clouds as forecast. Positioning with HU-25 was maintained within 10 minutes through duration of science collection, except maybe towards the end of the flight where the strong headwinds held the B200 back. Dropsondes deployed as planned. Maintained FL280 until final dropsonde release off Outer banks then descent for recovery. Uneventful Visual approach to r/w 26.		

**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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