

B200 - LARC 01/24/22

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 109/110

Payload Configuration: ACTIVATE

Nav Data Collected: No

Total Flight Time: 6.8 hours

Comments: Morning and afternoon cooperative flights with HU-25. Morning route of flight: KLF I ECG OXANA 3221N/07214W OXANA ECG KLF I. Afternoon Route of Flight: KLF I ECG OXANA 3230N/7530W. Weather clear with winds calm (around 6 knots or less) for 08 runway operations. B200 took off second during first flight (delayed slightly due to temporary tower operations) and took off first during second flight. Uneventful climb to FL280, except that in first flight was held at FL270 until passing outer banks. Positioning with HU-25 was maintained within 10 minutes through duration of science collection until approx. Very clear air at altitude, with a single cirrus section for about 30 seconds encountered during return of second flight. 4x dropsondes each flight. Flight level winds were generally a crosswind component, creating head/tailwind depending on specific heading/route chosen. Maintained FL280 altitude until ECG/Elizabeth City.

Submitted by: Mark Sandeen on 01/24/22

Flight Segments:

From:	klfi	To:	klfi
Start:	01/24/22 08:38 Z	Finish:	01/24/22 12:04 Z
Flight Time:	3.4 hours		
Log Number:	22B003	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	708 miles		

From:	klfi	To:	klfi
Start:	01/24/22 13:15 Z	Finish:	01/24/22 16:40 Z
Flight Time:	3.4 hours		
Log Number:	22B003	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	715 miles		

Flight Hour Summary:

	22B003
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
11/19/21	ACTIVATE 5 ICF#1	Science	1.4	1.4	288.6	180
11/19/21	ACTIVATE 5 ICF#2	Science	1.7	3.1	286.9	220
11/30/21	ACTIVATE 5 Research Flt 94	Science	3.5	6.6	283.4	720
12/01/21	ACTIVATE 5 Research Flt 95	Science	3.5	10.1	279.9	720
12/07/21	ACTIVATE 5 Research Flt 96	Science	3.5	13.6	276.4	712

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