

HU-25A Guardian - LaRC #524 08/11/20

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

Aircraft: [HU-25A Guardian - LaRC #524](#) ([See full schedule](#))

Flight Number: ACTIVATE 20-032

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 3.4 hours

Submitted by: Gregory L. Slover on 08/11/20

Flight Segments:

From:	KLFI	To:	KLFI
Start:	08/11/20 14:20 Z	Finish:	08/11/20 17:46 Z
Flight Time:	3.4 hours		
Log Number:	20F001	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	828 miles		
Comments:	ACTIVATE in-situ Instrument Check Flight and wind calibrations for second campaign of 2020 following 4-month break in activity due to COVID-19. All objectives met. Speed variations (x4) accomplished at 15K, 13K, 8K and 6K. Yaw sweeps and upwind/downwind (5-min) accomplished at 15K, 13K, 10K, 7K, 4K, 1K. 1K was below the boundary layer. Cloud penetrations accomplished to verify cloud probe effectiveness.		

Flight Hour Summary:

	20F001
Flight Hours Approved in SOFRS	149.9
Total Used	149.9
Total Remaining	0

20F001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/20/19	ACTIVATE 20-001	Check	2.4	2.4	147.5	0
11/21/19	ACTIVATE 20-002	Check	2.7	5.1	144.8	0
02/12/20	ACTIVATE 20-003	Check	2.9	8	141.9	0
02/12/20	ACTIVATE 20-004	Check	1.7	9.7	140.2	0
02/14/20	ACTIVATE 20-005	Science	3.1	12.8	137.1	0
02/15/20	ACTIVATE 20-006	Science	3.2	16	133.9	0
02/16/20	ACTIVATE 20-007	Ferry	0.7	16.7	133.2	0
02/16/20	ACTIVATE 20-008	Check	1.7	18.4	131.5	0
02/17/20	ACTIVATE 20-009	Science	3.3	21.7	128.2	0
02/18/20	ACTIVATE 20-010	Check	3	24.7	125.2	0
02/20/20	ACTIVATE 20-011	Ferry	0.1	24.8	125.1	0

DO NOT CITE

02/21/20	ACTIVATE 20-012	Science	3.3	28.1	121.8	0
02/22/20	ACTIVATE 20-013	Science	3.2	31.3	118.6	0
02/22/20	ACTIVATE 20-014	Science	3.5	34.8	115.1	0
02/23/20	ACTIVATE 20-015	Science	3.4	38.2	111.7	0
02/23/20	ACTIVATE 20-016	Science	3.6	41.8	108.1	0
02/24/20	ACTIVATE 20-017	Ferry	0.2	42	107.9	0
02/27/20	ACTIVATE 20-018	Science	3.6	45.6	104.3	0
02/28/20	ACTIVATE 20-019	Science	3.4	49	100.9	0
02/28/20	ACTIVATE 20-020	Science	3.3	52.3	97.6	0
02/29/20	ACTIVATE 20-021	Science	3.8	56.1	93.8	0
03/01/20	ACTIVATE 20-022	Science	3.6	59.7	90.2	0
03/01/20	ACTIVATE 20-023	Science	3.3	63	86.9	0
03/02/20	ACTIVATE 20-024	Science	3.2	66.2	83.7	0
03/06/20	ACTIVATE 20-025	Science	3.4	69.6	80.3	0
03/08/20	ACTIVATE 20-026	Science	3.2	72.8	77.1	0
03/08/20	ACTIVATE 20-027	Science	3.5	76.3	73.6	0
03/09/20	ACTIVATE 20-028	Science	3.3	79.6	70.3	0
03/11/20	ACTIVATE 20-029	Science	3	82.6	67.3	0
03/12/20	ACTIVATE 20-030	Science	3.2	85.8	64.1	0
03/12/20	ACTIVATE 20-031	Science	3.4	89.2	60.7	0
08/11/20	ACTIVATE 20-032	Science	3.4	92.6	57.3	828
08/13/20	ACTIVATE 20-033	Science	3.4	96	53.9	725
08/17/20	ACTIVATE 20-034	Science	3.5	99.5	50.4	0
08/20/20	ACTIVATE 20-035	Science	3.4	102.9	47	0
08/21/20	ACTIVATE 20-036	Science	3.3	106.2	43.7	700
08/25/20	ACTIVATE 20-037	Science	3.4	109.6	40.3	720
08/26/20	ACTIVATE 20-038	Science	3.3	112.9	37	700
08/28/20	ACTIVATE 20-039	Science	3.3	116.2	33.7	700
09/02/20	ACTIVATE 20-040	Science	3.4	119.6	30.3	720

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09/03/20	ACTIVATE 20-041	Science	3.2	122.8	27.1	680
09/10/20	ACTIVATE 20-042	Science	3	125.8	24.1	680
09/11/20	ACTIVATE 20-043	Science	3.2	129	20.9	680
09/15/20	ACTIVATE 20-044	Science	3.3	132.3	17.6	700
09/16/20	ACTIVATE 20-045	Science	3.5	135.8	14.1	700
09/17/20	ACTIVATE 20-046	Science	3.2	139	10.9	0
09/21/20	ACTIVATE 20-047	Science	3.4	142.4	7.5	740
09/22/20	ACTIVATE 20-048	Science	3.7	146.1	3.8	820
09/23/20	ACTIVATE 20-049	Science	3.8	149.9	0	800

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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