

HU-25A Guardian - LaRC #524 05/20/22

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 5/6 Flight #RF158

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 3.5 hours

Submitted by: Brian Baxley on 05/22/22

Flight Segments:

From:	KLFI	To:	KLFI
Start:	05/20/22 13:33 Z	Finish:	05/20/22 17:00 Z
Flight Time:	3.5 hours		
Log Number:	22F001	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	703 miles		
Comments:	ACTIVATE HU-25 mission with UC-12; Baxley/Elder, Crosbie/Winstead KLFI ECG OXANA 3235N/07529W OXANA ECG KLFI - Return leg flown 20-24 miles east of track to collect data from clouds - KLFI ECG OXANA 3235N/07529W 3222.43N/07510.16W 3336.34N/07359.33W OXANA ECG KLFI Weather as expected, flown as briefed with exception of parallel track 20-24 miles east on return to OXANA. Approaching ECG and return to KLFI climbed to ~9000' MSL to sample haze layer, then forced to remain above 5500' MSL due to track until within 8 nmi of KLFI. No aircraft or data collection anomalies noted.		

Flight Hour Summary:

	22F001
Flight Hours Approved in SOFRS	290
Total Used	298.8
Total Remaining	-8.8

22F001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/19/21	ACTIVATE 5/6 ICF	Check	2.1	2.1	287.9	450
11/30/21	ACTIVATE 5/6 Flight #1	Science	3.3	5.4	284.6	710
12/01/21	ACTIVATE 5/6 Flight #2	Science	3.5	8.9	281.1	730
12/07/21	ACTIVATE 5/6 Flight #3	Science	3.5	12.4	277.6	712
12/09/21	ACTIVATE 5/6 Flight #4&5	Science	3.2	15.6	274.4	700
12/09/21	ACTIVATE 5/6 Flight #4&5	Science	3.3	18.9	271.1	700
12/10/21	ACTIVATE 5/6 Flight #6	Science	3.3	22.2	267.8	682
12/14/21	ACTIVATE 5/6 Flight #7	Science	2.5	24.7	265.3	0
01/11/22	ACTIVATE 5/6 Flight #RF100 & #RF101	Science	3.4	28.1	261.9	705
01/11/22	ACTIVATE 5/6 Flight #RF100 & #RF101	Science	3.3	31.4	258.6	710
01/12/22	ACTIVATE 5/6 Flight #RF102 & #RF103	Science	3.3	34.7	255.3	710
01/12/22	ACTIVATE 5/6 Flight #RF102 & #RF103	Science	3.3	38	252	735

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01/15/22	ACTIVATE 5/6 Flight #RF104	Science	3.8	41.8	248.2	740
01/18/22	ACTIVATE 5/6 Flight #RF105 & RF106	Science	3.3	45.1	244.9	715
01/18/22	ACTIVATE 5/6 Flight #RF105 & RF106	Science	3.5	48.6	241.4	725
01/19/22	ACTIVATE 5/6 Flight #RF107 & RF108	Science	3.3	51.9	238.1	715
01/19/22	ACTIVATE 5/6 Flight #RF107 & RF108	Science	3.3	55.2	234.8	707
01/24/22	ACTIVATE 5/6 Flight #RF109 & RF110	Science	3.2	58.4	231.6	715
01/24/22	ACTIVATE 5/6 Flight #RF109 & RF110	Science	3.2	61.6	228.4	715
01/26/22	ACTIVATE 5/6 Flight #RF111 & RF112	Science	3.6	65.2	224.8	735
01/26/22	ACTIVATE 5/6 Flight #RF111 & RF112	Science	3.3	68.5	221.5	705
01/27/22	ACTIVATE 5/6 Flight #RF113 & RF114	Science	3	71.5	218.5	710
01/27/22	ACTIVATE 5/6 Flight #RF113 & RF114	Science	3.3	74.8	215.2	710
02/01/22	ACTIVATE 5/6 Flight #RF115	Science	3.1	77.9	212.1	682
02/02/22	ACTIVATE 5/6 Flight #RF116	Science	3.5	81.4	208.6	750
02/03/22	ACTIVATE 5/6 Flight #RF117	Science	3.2	84.6	205.4	713
02/03/22	ACTIVATE 5/6 Flight #RF118	Science	3.5	88.1	201.9	704
02/05/22	ACTIVATE 5/6 Flight #RF119	Science	3.4	91.5	198.5	700
02/15/22	ACTIVATE 5/6 Flight #RF120 & 121	Science	3.3	94.8	195.2	708
02/15/22	ACTIVATE 5/6 Flight #RF120 & 121	Science	4	98.8	191.2	808
02/16/22	ACTIVATE 5/6 Flight #RF123	Science	3.6	102.4	187.6	782
02/16/22	ACTIVATE 5/6 Flight #RF123	Science	3.2	105.6	184.4	0
02/19/22	ACTIVATE 5/6 Flight #RF124&125	Science	3.4	109	181	700
02/19/22	ACTIVATE 5/6 Flight #RF124&125	Science	3.6	112.6	177.4	650
02/22/22	ACTIVATE 5/6 Flight #RF126	Science	3.5	116.1	173.9	712
02/22/22	ACTIVATE 5/6 Flight #RF127	Science	3.4	119.5	170.5	715
02/26/22	ACTIVATE 5/6 Flight #RF128/129	Science	3	122.5	167.5	700
02/26/22	ACTIVATE 5/6 Flight #RF128/129	Science	2.7	125.2	164.8	700
03/02/22	ACTIVATE 5/6 Flight #RF130	Science	3.5	128.7	161.3	750
03/03/22	ACTIVATE 5/6 Flight #RF131 & 132	Science	3.5	132.2	157.8	711
03/03/22	ACTIVATE 5/6 Flight #RF131 & 132	Science	3.3	135.5	154.5	705

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03/04/22	ACTIVATE 5/6 Flight #RF133	Science	3.5	139	151	710
03/04/22	ACTIVATE 5/6 Flight #RF134	Science	3.5	142.5	147.5	730
03/07/22	ACTIVATE 5/6 Flight #RF135	Science	3.5	146	144	718
03/07/22	ACTIVATE 5/6 Flight #RF136	Science	3.4	149.4	140.6	815
03/13/22	ACTIVATE 5/6 Flight #RF137 & 138	Science	3.8	153.2	136.8	650
03/13/22	ACTIVATE 5/6 Flight #RF137 & 138	Science	3.2	156.4	133.6	738
03/14/22	ACTIVATE 5/6 Flight #RF139 & 140	Science	3.2	159.6	130.4	714
03/14/22	ACTIVATE 5/6 Flight #RF139 & 140	Science	3.4	163	127	0
03/18/22	ACTIVATE 5/6 Flight #RF141	Science	3.3	166.3	123.7	680
03/22/22	ACTIVATE 5/6 Flight #RF142 & 143	Science	2.8	169.1	120.9	660
03/22/22	ACTIVATE 5/6 Flight #RF142 & 143	Science	3.7	172.8	117.2	660
03/26/22	ACTIVATE 5/6 Flight #RF144 & RF145	Science	3.7	176.5	113.5	700
03/26/22	ACTIVATE 5/6 Flight #RF144 & RF145	Science	4	180.5	109.5	800
03/28/22	ACTIVATE 5/6 Flight #RF146	Science	3.6	184.1	105.9	725
03/29/22	ACTIVATE 5/6 Flight #RF147 & RF148	Science	3.9	188	102	720
03/29/22	ACTIVATE 5/6 Flight #RF147 & RF148	Science	3.9	191.9	98.1	647
05/05/22	ACTIVATE 5/6 Flight #RF150 & RF151	Science	3.4	195.3	94.7	720
05/05/22	ACTIVATE 5/6 Flight #RF150 & RF151	Science	3.3	198.6	91.4	710
05/10/22	ACTIVATE 5/6 Flight #RF152	Science	3.4	202	88	712
05/16/22	ACTIVATE 5/6 Flight #RF153 & 154	Science	3.3	205.3	84.7	680
05/16/22	ACTIVATE 5/6 Flight #RF153 & 154	Science	3.3	208.6	81.4	700
05/17/22	ACTIVATE 5/6 Flight #RF155	Science	3.3	211.9	78.1	0
05/18/22	ACTIVATE 5/6 Flight #RF156 & 157	Science	3.1	215	75	670
05/18/22	ACTIVATE 5/6 Flight #RF156 & 157	Science	3.6	218.6	71.4	670
05/20/22	ACTIVATE 5/6 Flight #RF158	Science	3.5	222.1	67.9	703
05/21/22	ACTIVATE 5/6 Flight #RF159 & 160	Science	3	225.1	64.9	0
05/21/22	ACTIVATE 5/6 Flight #RF159 & 160	Science	3.2	228.3	61.7	0
05/31/22	ACTIVATE 5/6 Flight #RF161	Science	3.4	231.7	58.3	680
06/02/22	ACTIVATE 5/6 Flight #RF162	Science	3.1	234.8	55.2	680

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06/02/22	ACTIVATE 5/6 Flight #RF163	Science	3.1	237.9	52.1	680
06/03/22	ACTIVATE 5/6 Flight #RF164	Science	3.3	241.2	48.8	650
06/05/22	ACTIVATE 5/6 Flight #RF165	Science	3.2	244.4	45.6	640
06/07/22	ACTIVATE 5/6 Flight #RF166 & 167	Science	3.4	247.8	42.2	700
06/07/22	ACTIVATE 5/6 Flight #RF166 & 167	Science	3.3	251.1	38.9	700
06/08/22	ACTIVATE 5/6 Flight #RF168 & 169	Science	3	254.1	35.9	700
06/08/22	ACTIVATE 5/6 Flight #RF168 & 169	Science	3.4	257.5	32.5	700
06/10/22	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.4	260.9	29.1	700
06/10/22	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.5	264.4	25.6	700
06/10/22	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.4	267.8	22.2	700
06/10/22	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.5	271.3	18.7	700
06/11/22	ACTIVATE 5/6 Flight #RF172 & 173	Science	3.6	274.9	15.1	700
06/11/22	ACTIVATE 5/6 Flight #RF172 & 173	Science	3.4	278.3	11.7	700
06/13/22	ACTIVATE 5/6 Flight #RF174 & 175	Science	3.3	281.6	8.4	680
06/13/22	ACTIVATE 5/6 Flight #RF174 & 175	Science	3.6	285.2	4.8	680
06/14/22	ACTIVATE 5/6 Flight #RF176	Science	3.3	288.5	1.5	710
06/14/22	ACTIVATE 5/6 Flight #RF176	Science	3.3	291.8	-1.8	710
06/17/22	ACTIVATE 5/6 Flight #RF177	Science	3.6	295.4	-5.4	650
06/18/22	ACTIVATE 5/6 Flight #RF178	Science	3.4	298.8	-8.8	650

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.

Page Last Updated: April 22, 2017

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Source URL: https://airbornescience.nasa.gov/flight_reports/HU-25A_Guardian_-_LaRC_524_05_20_22

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