

HU-25A Guardian - LaRC #524 03/03/22

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 #RF131 & 132

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 6.8 hours

Submitted by: Gregory L. Slover on 03/03/22

Flight Segments:

From:	KLFI	To:	KLFI
Start:	03/03/22 13:26 Z	Finish:	03/03/22 16:53 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:	711 miles		
Comments:	ACTIVATE research flight. Clear air module flown from KLFI ECG OXANA 3530N07115W OXANA ECG KLFI as planned. A spiral down on return leg was flown from 16000' to 500' at approximately 3502N07218W with the UC-12 overflying while descending through 3000'. A large field/brush fire was visible at approximately 3546.7N07544.6W and was able to fly towards the fire at 1000' AGL in the plume downwind.		

From:	KLFI	To:	KLFI
Start:	03/03/22 18:26 Z	Finish:	03/03/22 21:45 Z
Flight Time:	3.3 hours		
Log Number:	22F001	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	705 miles		
Comments:	ACTIVATE research flight. Clear air module flown from KLFI ATLIC ZIBUT SKPPR OXANA ECG KLFI as planned. For about +/- 10 min either side of ZIBUT, there were some low clouds from 2000' to 3500' and were able to get a quick below cloud base and above cloud base portion of a cloudy module. A small brush fire was visible enroute home north of Manteo airport, overflow with a small chance of some aerosol samples.		

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

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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
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

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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
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

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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
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.

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Source URL: https://airbornescience.nasa.gov/flight_reports/HU-25A_Guardian_-_LaRC_524_03_03_22

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