

HU-25A Guardian - LaRC #524 03/26/22

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 #RF144 & RF145

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: Yes

Total Flight Time: 7.7 hours

Submitted by: Gregory L. Slover on 03/26/22

Flight Segments:

From:	KLFI	To:	KLFI
Start:	03/26/22 12:30 Z	Finish:	03/26/22 16:15 Z
Flight Time:	3.7 hours		
Log Number:	22F001	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	700 miles		
Comments:	ACTIVATE research flight, statistical survey with a twist. Route was KLFI ECG OXANA 3230N/07124.5W OXANA ECG KLFI. A spiral up was flown from 500' AGL to 16,500 MSL around the point N3311.2/W07215.3 with the UC-12 flying over NW bound when Falcon was about 6,500' MSL. Plenty of clouds enroute from 3000 - 6000' MSL. Two low approaches over KLFI runway were flown in order to collect data on high pollen day.		

From:	KLFI	To:	KLFI
Start:	03/26/22 17:30 Z	Finish:	03/26/22 21:30 Z
Flight Time:	4 hours		
Log Number:	22F001	PI:	Armin Sorooshian
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		
Miles Flown:	800 miles		
Comments:	ACTIVATE research flight, statistical survey with a twist. Route was KLFI ECG OXANA 3210N07110W OXANA ECG KLFI. Plenty over ocean clouds enroute from 3000 - 6000' MSL. Over land, clouds were sampled from 7000-9000' MSL both coming and going. The traditional low altitude over land data collection was not accomplished in order to gather data in these clouds. Two low approaches over KLFI runway were flown in order to collect data on high pollen day.		

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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