

## 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:	<a href="#">22F001</a>	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:	<a href="#">22F001</a>	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:

	<b>22F001</b>
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
<a href="#">11/19/21</a>	ACTIVATE 5/6 ICF	Check	2.1	2.1	287.9	450
<a href="#">11/30/21</a>	ACTIVATE 5/6 Flight #1	Science	3.3	5.4	284.6	710
<a href="#">12/01/21</a>	ACTIVATE 5/6 Flight #2	Science	3.5	8.9	281.1	730
<a href="#">12/07/21</a>	ACTIVATE 5/6 Flight #3	Science	3.5	12.4	277.6	712
<a href="#">12/09/21</a>	ACTIVATE 5/6 Flight #4&5	Science	3.2	15.6	274.4	700

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<a href="#">12/09/21</a>	ACTIVATE 5/6 Flight #4&5	Science	3.3	18.9	271.1	700
<a href="#">12/10/21</a>	ACTIVATE 5/6 Flight #6	Science	3.3	22.2	267.8	682
<a href="#">12/14/21</a>	ACTIVATE 5/6 Flight #7	Science	2.5	24.7	265.3	0
<a href="#">01/11/22</a>	ACTIVATE 5/6 Flight #RF100 & #RF101	Science	3.4	28.1	261.9	705
<a href="#">01/11/22</a>	ACTIVATE 5/6 Flight #RF100 & #RF101	Science	3.3	31.4	258.6	710
<a href="#">01/12/22</a>	ACTIVATE 5/6 Flight #RF102 & #RF103	Science	3.3	34.7	255.3	710
<a href="#">01/12/22</a>	ACTIVATE 5/6 Flight #RF102 & #RF103	Science	3.3	38	252	735
<a href="#">01/15/22</a>	ACTIVATE 5/6 Flight #RF104	Science	3.8	41.8	248.2	740
<a href="#">01/18/22</a>	ACTIVATE 5/6 Flight #RF105 & RF106	Science	3.3	45.1	244.9	715
<a href="#">01/18/22</a>	ACTIVATE 5/6 Flight #RF105 & RF106	Science	3.5	48.6	241.4	725
<a href="#">01/19/22</a>	ACTIVATE 5/6 Flight #RF107 & RF108	Science	3.3	51.9	238.1	715
<a href="#">01/19/22</a>	ACTIVATE 5/6 Flight #RF107 & RF108	Science	3.3	55.2	234.8	707
<a href="#">01/24/22</a>	ACTIVATE 5/6 Flight #RF109 & RF110	Science	3.2	58.4	231.6	715
<a href="#">01/24/22</a>	ACTIVATE 5/6 Flight #RF109 & RF110	Science	3.2	61.6	228.4	715
<a href="#">01/26/22</a>	ACTIVATE 5/6 Flight #RF111 & RF112	Science	3.6	65.2	224.8	735
<a href="#">01/26/22</a>	ACTIVATE 5/6 Flight #RF111 & RF112	Science	3.3	68.5	221.5	705
<a href="#">01/27/22</a>	ACTIVATE 5/6 Flight #RF113 & RF114	Science	3	71.5	218.5	710
<a href="#">01/27/22</a>	ACTIVATE 5/6 Flight #RF113 & RF114	Science	3.3	74.8	215.2	710
<a href="#">02/01/22</a>	ACTIVATE 5/6 Flight #RF115	Science	3.1	77.9	212.1	682
<a href="#">02/02/22</a>	ACTIVATE 5/6 Flight #RF116	Science	3.5	81.4	208.6	750
<a href="#">02/03/22</a>	ACTIVATE 5/6 Flight #RF117	Science	3.2	84.6	205.4	713
<a href="#">02/03/22</a>	ACTIVATE 5/6 Flight #RF118	Science	3.5	88.1	201.9	704
<a href="#">02/05/22</a>	ACTIVATE 5/6 Flight #RF119	Science	3.4	91.5	198.5	700
<a href="#">02/15/22</a>	ACTIVATE 5/6 Flight #RF120 & 121	Science	3.3	94.8	195.2	708
<a href="#">02/15/22</a>	ACTIVATE 5/6 Flight #RF120 & 121	Science	4	98.8	191.2	808
<a href="#">02/16/22</a>	ACTIVATE 5/6 Flight #RF123	Science	3.6	102.4	187.6	782
<a href="#">02/16/22</a>	ACTIVATE 5/6 Flight #RF123	Science	3.2	105.6	184.4	0
<a href="#">02/19/22</a>	ACTIVATE 5/6 Flight #RF124&125	Science	3.4	109	181	700
<a href="#">02/19/22</a>	ACTIVATE 5/6 Flight #RF124&125	Science	3.6	112.6	177.4	650
<a href="#">02/22/22</a>	ACTIVATE 5/6 Flight #RF126	Science	3.5	116.1	173.9	712

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<a href="#">02/22/22</a>	ACTIVATE 5/6 Flight #RF127	Science	3.4	119.5	170.5	715
<a href="#">02/26/22</a>	ACTIVATE 5/6 Flight #RF128/129	Science	3	122.5	167.5	700
<a href="#">02/26/22</a>	ACTIVATE 5/6 Flight #RF128/129	Science	2.7	125.2	164.8	700
<a href="#">03/02/22</a>	ACTIVATE 5/6 Flight #RF130	Science	3.5	128.7	161.3	750
<a href="#">03/03/22</a>	ACTIVATE 5/6 Flight #RF131 & 132	Science	3.5	132.2	157.8	711
<a href="#">03/03/22</a>	ACTIVATE 5/6 Flight #RF131 & 132	Science	3.3	135.5	154.5	705
<a href="#">03/04/22</a>	ACTIVATE 5/6 Flight #RF133	Science	3.5	139	151	710
<a href="#">03/04/22</a>	ACTIVATE 5/6 Flight #RF134	Science	3.5	142.5	147.5	730
<a href="#">03/07/22</a>	ACTIVATE 5/6 Flight #RF135	Science	3.5	146	144	718
<a href="#">03/07/22</a>	ACTIVATE 5/6 Flight #RF136	Science	3.4	149.4	140.6	815
<a href="#">03/13/22</a>	ACTIVATE 5/6 Flight #RF137 & 138	Science	3.8	153.2	136.8	650
<a href="#">03/13/22</a>	ACTIVATE 5/6 Flight #RF137 & 138	Science	3.2	156.4	133.6	738
<a href="#">03/14/22</a>	ACTIVATE 5/6 Flight #RF139 & 140	Science	3.2	159.6	130.4	714
<a href="#">03/14/22</a>	ACTIVATE 5/6 Flight #RF139 & 140	Science	3.4	163	127	0
<a href="#">03/18/22</a>	ACTIVATE 5/6 Flight #RF141	Science	3.3	166.3	123.7	680
<a href="#">03/22/22</a>	ACTIVATE 5/6 Flight #RF142 & 143	Science	2.8	169.1	120.9	660
<a href="#">03/22/22</a>	ACTIVATE 5/6 Flight #RF142 & 143	Science	3.7	172.8	117.2	660
<a href="#">03/26/22</a>	ACTIVATE 5/6 Flight #RF144 & RF145	Science	3.7	176.5	113.5	700
<a href="#">03/26/22</a>	ACTIVATE 5/6 Flight #RF144 & RF145	Science	4	180.5	109.5	800
<a href="#">03/28/22</a>	ACTIVATE 5/6 Flight #RF146	Science	3.6	184.1	105.9	725
<a href="#">03/29/22</a>	ACTIVATE 5/6 Flight #RF147 & RF148	Science	3.9	188	102	720
<a href="#">03/29/22</a>	ACTIVATE 5/6 Flight #RF147 & RF148	Science	3.9	191.9	98.1	647
<a href="#">05/05/22</a>	ACTIVATE 5/6 Flight #RF150 & RF151	Science	3.4	195.3	94.7	720
<a href="#">05/05/22</a>	ACTIVATE 5/6 Flight #RF150 & RF151	Science	3.3	198.6	91.4	710
<a href="#">05/10/22</a>	ACTIVATE 5/6 Flight #RF152	Science	3.4	202	88	712
<a href="#">05/16/22</a>	ACTIVATE 5/6 Flight #RF153 & 154	Science	3.3	205.3	84.7	680
<a href="#">05/16/22</a>	ACTIVATE 5/6 Flight #RF153 & 154	Science	3.3	208.6	81.4	700
<a href="#">05/17/22</a>	ACTIVATE 5/6 Flight #RF155	Science	3.3	211.9	78.1	0
<a href="#">05/18/22</a>	ACTIVATE 5/6 Flight #RF156 & 157	Science	3.1	215	75	670

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<a href="#">05/18/22</a>	ACTIVATE 5/6 Flight #RF156 & 157	Science	3.6	218.6	71.4	670
<a href="#">05/20/22</a>	ACTIVATE 5/6 Flight #RF158	Science	3.5	222.1	67.9	703
<a href="#">05/21/22</a>	ACTIVATE 5/6 Flight #RF159 & 160	Science	3	225.1	64.9	0
<a href="#">05/21/22</a>	ACTIVATE 5/6 Flight #RF159 & 160	Science	3.2	228.3	61.7	0
<a href="#">05/31/22</a>	ACTIVATE 5/6 Flight #RF161	Science	3.4	231.7	58.3	680
<a href="#">06/02/22</a>	ACTIVATE 5/6 Flight #RF162	Science	3.1	234.8	55.2	680
<a href="#">06/02/22</a>	ACTIVATE 5/6 Flight #RF163	Science	3.1	237.9	52.1	680
<a href="#">06/03/22</a>	ACTIVATE 5/6 Flight #RF164	Science	3.3	241.2	48.8	650
<a href="#">06/05/22</a>	ACTIVATE 5/6 Flight #RF165	Science	3.2	244.4	45.6	640
<a href="#">06/07/22</a>	ACTIVATE 5/6 Flight #RF166 & 167	Science	3.4	247.8	42.2	700
<a href="#">06/07/22</a>	ACTIVATE 5/6 Flight #RF166 & 167	Science	3.3	251.1	38.9	700
<a href="#">06/08/22</a>	ACTIVATE 5/6 Flight #RF168 & 169	Science	3	254.1	35.9	700
<a href="#">06/08/22</a>	ACTIVATE 5/6 Flight #RF168 & 169	Science	3.4	257.5	32.5	700
<a href="#">06/10/22</a>	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.4	260.9	29.1	700
<a href="#">06/10/22</a>	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.5	264.4	25.6	700
<a href="#">06/10/22</a>	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.4	267.8	22.2	700
<a href="#">06/10/22</a>	ACTIVATE 5/6 Flight #RF170 & 171	Science	3.5	271.3	18.7	700
<a href="#">06/11/22</a>	ACTIVATE 5/6 Flight #RF172 & 173	Science	3.6	274.9	15.1	700
<a href="#">06/11/22</a>	ACTIVATE 5/6 Flight #RF172 & 173	Science	3.4	278.3	11.7	700
<a href="#">06/13/22</a>	ACTIVATE 5/6 Flight #RF174 & 175	Science	3.3	281.6	8.4	680
<a href="#">06/13/22</a>	ACTIVATE 5/6 Flight #RF174 & 175	Science	3.6	285.2	4.8	680
<a href="#">06/14/22</a>	ACTIVATE 5/6 Flight #RF176	Science	3.3	288.5	1.5	710
<a href="#">06/14/22</a>	ACTIVATE 5/6 Flight #RF176	Science	3.3	291.8	-1.8	710
<a href="#">06/17/22</a>	ACTIVATE 5/6 Flight #RF177	Science	3.6	295.4	-5.4	650
<a href="#">06/18/22</a>	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 Editor: Brad Bulger

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