

## HU-25A Guardian - LaRC #524 12/07/21

**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 #3

**Payload Configuration:** ACTIVATE In Situ Suite

**Nav Data Collected:** Yes

**Total Flight Time:** 3.5 hours

**Submitted by:** Gregory L. Slover on 12/07/21

**Flight Segments:**

<b>From:</b>	KLFI	<b>To:</b>	KLFI
<b>Start:</b>	12/07/21 16:53 Z	<b>Finish:</b>	12/07/21 20:25 Z
<b>Flight Time:</b>	3.5 hours		
<b>Log Number:</b>	<a href="#">22F001</a>	<b>PI:</b>	Armin Sorooshian
<b>Funding Source:</b>	Hal Maring - NASA - SMD - ESD Radiation Science Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	712 miles		
<b>Comments:</b>	ACTIVATE research flight statistical survey profile. Sortie flown as planned from KLFI - ATLIC - ZIBUT - SHOKR - ZIBUT - ATLIC - KLFI. Clouds were formed in two layers, and sampling consisted of mostly the upper layer to coincide with what HSRL might see from the B-200, but occasionally sampled the lower layer. Min ALT of 500' AGL was performed several times. Aircraft note that the autopilot was performing poorly and not used for most of the sampling legs. Cloud free west of ATLIC. Clouds near SHOKR began to thin out and no longer had two layers.		

**Flight Hour Summary:**

	<b>22F001</b>
<b>Flight Hours Approved in SOFRS</b>	290
<b>Total Used</b>	298.8
<b>Total Remaining</b>	-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
<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

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<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
<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

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<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
<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

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<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.*

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