

## HU-25A Guardian - LaRC #524 06/07/22

**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 #RF166 & 167

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 6.7 hours

Submitted by: Brian Baxley on 06/08/22

### Flight Segments:

From:	TXKF	To:	TXKF
Start:	06/07/22 11:39 Z	Finish:	06/07/22 15:02 Z
Flight Time:	3.4 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:	700 miles		
Comments:	RF166: ACTIVATE flight with HU-25 and UC-12; Thorson/Baxley, Crosbie/Winstead TXKF 3232N/06400W 3545N/06000W 3232N/06400W 3212N/06430W 3215N/0650W TXKF - Mission flown as planned, weather as briefed. Minor deviations to course at direction of research team to capture more data. Conducted ~5 nm spiral at Tudor Hill up to ~9000 MSL. No issues or anomalies noted.		

From:	TXKF	To:	TXKF
Start:	06/07/22 16:14 Z	Finish:	06/07/22 19:33 Z
Flight Time:	3.3 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:	RF167: ACTIVATE flight with HU-25 and UC-12; Thorson/Baxley, Crosbie/Winstead TXKF 3232N/06400W 3430N/05900W 3232N/06400W 3212N/06430W 3215N/0650W TXKF - Mission flown as planned, weather as briefed. Minor deviations to course at direction of research team to capture more data. Conducted ~5 nm spiral at Tudor Hill up to ~12000 MSL. No issues or anomalies noted.		

### 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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