

HU-25A Guardian - LaRC #524 01/24/22

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 #RF109 & RF110

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 6.4 hours

Submitted by: Gregory L. Slover on 01/24/22

Flight Segments:

| | | | |
|---------------------------|---|----------------|------------------|
| From: | KLFI | To: | KLFI |
| Start: | 01/24/22 13:32 Z | Finish: | 01/24/22 16:46 Z |
| Flight Time: | 3.2 hours | | |
| Log Number: | 22F001 | PI: | Armin Sorooshian |
| Funding Source: | Hal Maring - NASA - SMD - ESD Radiation Science Program | | |
| Purpose of Flight: | Science | | |
| Miles Flown: | 715 miles | | |
| Comments: | Flight amended during brief, then as planned to KLFI ECG OXANA 3221N07214W OXANA ECG KLFI. Statistical survey flight. Clear much of way to OXANA. Clouds generally from 3-5.5K MSL. No precipitation. | | |

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|---------------------------|---|----------------|------------------|
| From: | KLFI | To: | KLFI |
| Start: | 01/24/22 18:20 Z | Finish: | 01/24/22 21:30 Z |
| Flight Time: | 3.2 hours | | |
| Log Number: | 22F001 | PI: | Armin Sorooshian |
| Funding Source: | Hal Maring - NASA - SMD - ESD Radiation Science Program | | |
| Purpose of Flight: | Science | | |
| Miles Flown: | 715 miles | | |
| Comments: | Flight executed as planned; KLFI ECG OXANA 3230N07530W OXANA ECG KLFI. Statistical survey flight. Clear much of way to OXANA. Clouds generally from 3-5.5K MSL. No precipitation. | | |

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 |
| 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 |

DO NOT CITE

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|--------------------------|--|---------|-----|-------|-------|-----|
| 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 |
| 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 |

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| 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 |
| 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 |

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|--------------------------|----------------------------------|---------|-----|-------|------|-----|
| 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.

Page Last Updated: April 22, 2017

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Source URL: https://airbornescience.nasa.gov/flight_reports/HU-25A_Guardian_-_LaRC_524_01_24_22

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