

# HU-25A Guardian - LaRC #524 03/09/21

Aircraft: [HU-25A Guardian - LaRC #524](#) (See full schedule)

Flight Number: ACTIVATE 21-056

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 3.3 hours

Submitted by: Luke Delaney on 03/09/21

**Flight Segments:**

<b>From:</b>	KLFI	<b>To:</b>	KLFI
<b>Start:</b>	03/09/21 08:55 Z	<b>Finish:</b>	03/09/21 12:12 Z
<b>Flight Time:</b>	3.3 hours		
<b>Log Number:</b>	<a href="#">21F001</a>	<b>PI:</b>	Armin Sorooshian
<b>Funding Source:</b>	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	745 miles		
<b>Comments:</b>	<p>Science flight for the HU-25 in support of ACTIVATE Campaign #3, conducted cooperatively with the UC-12. Departed Rwy26 to FKN climbing to 9k ft MSL for wind calibration run setup. Conducted four runs (265/230/200/250 KIAS) while transiting from FKN-ECG, all with &gt; 2min stable time (+/- 1 KIAS) and winds out of the northwest (~30 kts). Descended out of 9k ft MSL passing ECG, and worked clear air collection effort from 500 – 5500 ft MSL while transiting out to OXANA. Encountered a scattered layer at ~4200 ft MSL while transiting from OXANA to 3245N/07145W and back, conducting in/out of cloud collection in accordance with standard profile. Continued with clear air profile until reaching the coastline and then proceeded VFR 1000-1500 ft MSL from ECG to KLFI for a full stop landing, with a quick pass through a intercoastal grass-burning smoke plume. Geolocation was within ~25 nmi throughout flight duration and winds at lower altitudes were from the northwest</p>		

**Flight Hour Summary:**

	21F001
<b>Flight Hours Approved in SOFRS</b>	200
<b>Total Used</b>	49
<b>Total Remaining</b>	151

**21F001 Flight Reports**

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">01/20/21</a>	ACTIVATE 20-049	Science	3	3	197	700
<a href="#">01/27/21</a>	ACTIVATE 20-049	Science	2.7	5.7	194.3	700
<a href="#">01/29/21</a>	ACTIVATE 21-050	Science	3	8.7	191.3	664
<a href="#">02/03/21</a>	ACTIVATE 21-051	Science	3.1	11.8	188.2	675
<a href="#">03/04/21</a>	ACTIVATE 21-052	Science	3.1	14.9	185.1	675
<a href="#">03/05/21</a>	ACTIVATE 21-054	Science	3.5	18.4	181.6	625
<a href="#">03/05/21</a>	ACTIVATE 21-054	Science	3.2	21.6	178.4	675
<a href="#">03/08/21</a>	ACTIVATE 21-055	Science	3.5	25.1	174.9	690
<a href="#">03/09/21</a>	ACTIVATE 21-056	Science	3.3	28.4	171.6	745

<a href="#">03/12/21</a>	ACTIVATE 21-057	Science	3.5	31.9	168.1	705
<a href="#">03/12/21</a>	ACTIVATE 21-057	Science	3.5	35.4	164.6	705
<a href="#">03/20/21</a>	ACTIVATE 21-059	Science	3.4	38.8	161.2	705
<a href="#">03/20/21</a>	ACTIVATE 21-058	Science	3.4	42.2	157.8	705
<a href="#">03/20/21</a>	ACTIVATE 21-058	Science	3.4	45.6	154.4	705
<a href="#">03/23/21</a>	ACTIVATE 21-059	Science	3.4	49	151	705

*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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**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/HU-25A\\_Guardian\\_-\\_LaRC\\_524\\_03\\_09\\_21](https://airbornescience.nasa.gov/flight_reports/HU-25A_Guardian_-_LaRC_524_03_09_21)