

Gulfstream III - LaRC 06/16/21

Aircraft: [Gulfstream III - LaRC](#) (See full schedule)

Flight Number: MOOSE Research Day #3

Payload Configuration: GCAS (pri) and CPL (sec)

Nav Data Collected: No

Total Flight Time: 8.2 hours

Submitted by: Matthew Coldsnow on 06/16/21

Flight Segments:

From:	KLFI	To:	KBTL
Start:	06/16/21 12:11 Z	Finish:	06/16/21 15:50 Z
Flight Time:	3.6 hours		
Log Number:	21G011	PI:	Laura Judd
Funding Source:	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
Purpose of Flight:	Science		
Miles Flown:	1400 miles		
Comments:	Departed out of LFI, flew a single 28K raster pattern over Detroit. Lower altitude selected because of cirrus above. Flown at 270 KIAS due to turbulence. GCAS needed a power cycle so line "1" was repeated and line "0" was omitted. Landed at BTL for fuel.		

From:	KBTL	To:	KLFI
Start:	06/16/21 16:43 Z	Finish:	06/16/21 21:20 Z
Flight Time:	4.6 hours		
Log Number:	21G011	PI:	Laura Judd
Funding Source:	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
Purpose of Flight:	Science		
Miles Flown:	2000 miles		
Comments:	Departed out of BTL, flew a two 39K raster patterns over Detroit. Cirrus from earlier in the day had moved on. Laser needed to be shut off twice for traffic. Landed at LFI.		

Flight Hour Summary:

	21G011
Flight Hours Approved in SOFRS	55
Total Used	54.7
Total Remaining	0.3

21G011 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
05/27/21	MOOSE ICF/EMI	Check	1.9	1.9	53.1	700
06/05/21	MOOSE Research Day #1	Science	3.1	5	50	1400
06/05/21	MOOSE Research Day #1	Science	3.5	8.5	46.5	1500
06/11/21	MOOSE Research Day #2	Transit	1.5	10	45	0
06/11/21	MOOSE Research Day #2	Science	5.7	15.7	39.3	0
06/11/21	MOOSE Research Day #2	Transit	0.9	16.6	38.4	0
06/16/21	MOOSE Research Day #3	Science	3.6	20.2	34.8	1400
06/16/21	MOOSE Research Day #3	Science	4.6	24.8	30.2	2000

06/17/21	MOOSE Research Day #4	Science	4.8	29.6	25.4	2000
06/17/21	MOOSE Research Day #4	Science	3.6	33.2	21.8	1500
06/22/21	MOOSE Research Day #5	Science	5.3	38.5	16.5	2100
06/22/21	MOOSE Research Day #5	Science	3.2	41.7	13.3	1400
06/24/21	MOOSE Research Day #6	Science	5.4	47.1	7.9	0
06/24/21	MOOSE Research Day #6	Science	2.4	49.5	5.5	0
06/29/21	MOOSE Research Day #7	Science	5.2	54.7	0.3	2000

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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Page Editor: Brad Bulger

NASA Official: Marilyn Vasques

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