

Gulfstream III - LaRC 06/22/21

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

Flight Number: MOOSE Research Day #5

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

Nav Data Collected: Yes

Total Flight Time: 8.5 hours

Submitted by: Gregory L. Slover on 06/22/21

Flight Segments:

From:	KLFI	To:	KBTL
Start:	06/22/21 11:47 Z	Finish:	06/22/21 17:05 Z
Flight Time:	5.3 hours		
Log Number:	21G011	PI:	Laura Judd
Funding Source:	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
Purpose of Flight:	Science		
Miles Flown:	2100 miles		
Comments:	MOOSE research flight flown as planned at FL390 overhead Detroit area. Seven parallel lines flown twice. First raster started at 1300 and ended at 1449. Second raster started at 1455 and ended at 1640. Weather was clear at altitude with no cirrus. View to ground was scattered low clouds. Landed in Battle Creek for gas.		

From:	KBTL	To:	KLFI
Start:	06/22/21 17:50 Z	Finish:	06/22/21 21:01 Z
Flight Time:	3.2 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:	Afternoon raster initiated at FL390 at 1815 and ended at 1956. Afternoon saw stratiform clouds encroaching on research from the west to the point of dropping the two western lines and adding an impromptu line to the east. RTB slightly early.		

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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