

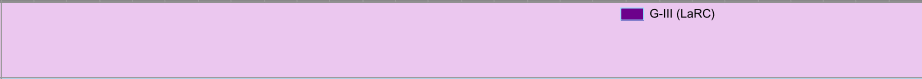
Atmospheric Composition and Chemistry

Approved Flight Request (FR)

Open FR

No FR

Tasks	PS/PE/PM	PI	Assigned To	Hours	2024		2025				2026				2027				2028				2029				2030					
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
EMIT cal/val for GHG Center - 24	Kavvada (GHG Center), Kaye, Lefer, Margolis and Pavlick	Andrew Thorpe (JPL)	B-200 (DA)	100	B-200 (DA)																											
ARCSIX	Maring, Markus	Konrad Schmidt (University of CO - Boulder)	G-III (LaRC) P-3	168 (G-III), 189 (P-3)	G-III (LaRC) P-3																											
SARP 24	Lefer, Kim	Glenn Wolfe (GSFC), Melissa Martin (HQ)	B-200 (DA) P-3	52.8 (P-3), 74 (B-200)	B-200 (DA) P-3																											
FireSense UAS Demo	Lefer		UAS		UAS																											
EMIT cal/val for GHG Center - 25	Kavvada (GHG Center), Kaye, Lefer, Margolis and Pavlick	Andrew Thorpe (JPL)	B-200 (other)	100	B-200 (other)																											
Aboveground Carbon Stock Changes in Dynamic Tropical Forests	Jucks	Michael Keller (USFS)	Other		Other																											
SARP 25	Lefer / Kim	Melissa Martin (HQ)	P-3		P-3																											
NTERFAACE (Nitrogen and Carbon Terrestrial Fluxes: Agriculture, Atmospheric Composition, and Ecosystems)	Lefer	Glenn Wolfe (GSFC)	P-3		P-3																											
NTERFAACE (Nitrogen and Carbon Terrestrial Fluxes: Agriculture, Atmospheric Composition, and Ecosystems) - Animals	Lefer	Glenn Wolfe (GSFC)	B-200 (LaRC)		B-200 (LaRC)																											
PYREX (Pyrocumulonimbus Experiment) - 26	Lefer	David Peterson (NRL)	ER-2	100	ER-2																											
PYREX (Pyrocumulonimbus Experiment) - 26	Lefer	David Peterson (NRL)	WB-57	100	WB-57																											
PYREX (Pyrocumulonimbus Experiment) - 27	Lefer	David Peterson (NRL)	ER-2	100	ER-2																											
PYREX (Pyrocumulonimbus Experiment) - 27	Lefer	David Peterson (NRL)	WB-57	100	WB-57																											
TASC-CH4 - AMAZON - 26	Lefer, Kaye	Amin Nehrir (LaRC)	G-III (LaRC)		G-III (LaRC)																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Mexico City	Lefer	Jim Crawford (NASA LaRC)	G-III (LaRC)	100	G-III (LaRC)																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Mexico City	Lefer	Jim Crawford (NASA LaRC)	B777	90	B777																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Domestic	Lefer	Jim Crawford (NASA LaRC)	G-III (LaRC)	100	G-III (LaRC)																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Domestic	Lefer	Jim Crawford (NASA LaRC)	B777	90	B777																											
TASC-CH4 - AMAZON - 27	Lefer, Kaye	Amin Nehrir (LaRC)	G-III (LaRC)		G-III (LaRC)																											
FORTE (Arctic Coastlines-The Frontlines of Rapidly Transforming Ecosystems) - 27	Lefer	Maria Tzortziou (City College of New York)	G-III (LaRC)	126	G-III (LaRC)																											
AOS Suborbital Prep	Maring		B777 ER-2 P-3		B777 ER-2 P-3																											

Tasks	PS/PE/PM	PI	Assigned To	Hours	2024				2025				2026				2027				2028				2029				2030			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
FORTE (Arctic Coastlines–The Frontlines of Rapidly Transforming Ecosystems) - 28	Lefer	Maria Tzortziou (City College of New York)	G-III (LaRC)	126																												
EMIT cal/val for GHG Center - Santa Barbara	Argyro Kavvada (U.S. GHG Center)	Andrew Thorpe (JPL)	B-200 (DA)	100																												

Carbon Cycle and Ecosystems

Approved Flight Request (FR)

Open FR

No FR

Tasks	PS/PE/PM	PI	Assigned To	Hours	2024-2030																							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
EMIT cal/val for GHG Center - 24	Kavvada (GHG Center), Kaye, Lefer, Margolis and Pavlick	Andrew Thorpe (JPL)	B-200 (DA)	100	B-200 (DA)																							
Western Diversity Time Series - 24	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																							
AfriSAR 2	Margolis and Pavlick, Bawden	Yunling Lou (JPL)	G-III (AFRC)	113	G-III (AFRC)																							
AfriSAR 2	Margolis and Pavlick, Bawden	Yunling Lou (JPL)	G-III (AFRC)	80	G-III (AFRC)																							
BLUEFLUX - 24	Lorenzoni	Glenn Wolfe (GSFC)	A90 (DA)	35	A90 (DA)																							
STV demo - forest topography	Margolis and Pavlick	Marc Simard (JPL)	G-III (AFRC)	6	G-III (AFRC)																							
ABOVE (Arctic Boreal Vulnerability Experiment) - 24	Margolis and Pavlick	Charles Miller (JPL)	G-III (AFRC)		G-III (AFRC)																							
PACE-PAX (Plankton, Aerosol, Cloud, ocean Ecosystem Postlaunch Airborne eXperiment)	Lorenzoni	Kirk Knobelspiesse (GSFC)	ER-2 Twin Otter (CIRPAS)	60	ER-2 Twin Otter (CIRPAS)																							
air-LUSI Operational Campaign 02	Kaye, Lorenzoni, Tagg	Kevin Turpie (University of Maryland, Baltimore County)	ER-2		ER-2																							
BLUEFLUX 2 - 25	Lorenzoni	Glenn Wolfe (GSFC)	A90 (DA) B-200 (AFRC) B-200 (LaRC)	72	A90 (DA) B-200 (AFRC) B-200 (LaRC)																							
EMIT cal/val for GHG Center - 25	Kavvada (GHG Center), Kaye, Lefer, Margolis and Pavlick	Andrew Thorpe (JPL)	B-200 (other)	100	B-200 (other)																							
GEDI cal/val (Singapore and Brunei) - 25	Margolis and Pavlick (?)	James Blair (GSFC)	G-III (LaRC)	150	G-III (LaRC)																							
GEDI cal/val - 25	Margolis and Pavlick (?)	James Blair (GSFC)	GV	100	GV																							
Western Diversity Time Series - 25	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																							
Ocean Color opportunity	Lorenzoni		G-III (LaRC)		G-III (LaRC)																							
Spatio-Temporal Dynamics of Nearshore Processes and Their Impacts on the Coastal Arctic Ecosystem - 25	Lorenzoni	Wesley Moses (NRL)	B-200 (DA)	30	B-200 (DA)																							
Arctic-COLORS (Arctic-COastal Land Ocean inteRactions) - 25	Lorenzoni			100																								
SBG Pathfinder	Turner / ?			30																								
GEDI cal/val - 26	Margolis and Pavlick (?)	James Blair (GSFC)	GV		GV																							
Western Diversity Time Series - 26	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																							
Arctic-COLORS (Arctic-COastal Land Ocean inteRactions) - 26	Lorenzoni			100																								

Earth Surface and Interior

Approved Flight Request (FR)

Open FR

No FR

Tasks	PS/PE/PM	PI	Assigned To	Hours	2024		2025				2026				2027				2028				2029				2030							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
QUAKES-I - 24	Phillips	Andrea Donnellan (JPL)	B-200 (AFRC)	17	B-200 (AFRC)																													
Sea ice thickness with P-band	Bawden	Benjamin Holt (JPL)	G-III (AFRC)	3	G-III (AFRC)																													
GEMx/EMRI (USGS) - 24	Phillips	Raymond Kokaly (USGS)	ER-2	200	ER-2																													
Western Diversity Time Series - 24	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																													
UAV volcanology/glaciology demo (in dev)	Phillips		UAS	72	UAS																													
AfrisAR 2	Margolis and Pavlick, Bawden	Yunling Lou (JPL)	G-III (AFRC)	113	G-III (AFRC)																													
AfrisAR 2	Margolis and Pavlick, Bawden	Yunling Lou (JPL)	G-III (AFRC)	80	G-III (AFRC)																													
Germany Bistatic Experiment	Bawden	Yunling Lou (JPL)	G-III (AFRC)	17.6	G-III (AFRC)																													
NISAR Launch	Bawden																																	
Estimating Subsurface Fault Geometries and Slip Rates with Remote Sensing Data Analysis of Alluvial Fans	Phillips	Adam Cawood (Southwest Research Institute)	Twin Otter (CIRPAS)		Twin Otter (CIRPAS)																													
GEMx/EMRI (USGS) - 25	Phillips	Raymond Kokaly (USGS)	ER-2	100	ER-2																													
Western Diversity Time Series - 25	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																													
Examining the extent and triggering of fault creep in the Salton Trough - 26		Robert Zinke (JPL)	G-IV	6	G-IV																													
GEMx/EMRI (USGS) - 26	Phillips	Raymond Kokaly (USGS)	ER-2	100	ER-2																													
Western Diversity Time Series - 26	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																													
LACCE (Landslide Climate Change Experiment)		Alexander Handwerger (NASA JPL)																																
Snow4Flow		John Holt (University of AZ)																																
Spatio-Temporal Dynamics of Nearshore Processes and Their Impacts on the Coastal Arctic Ecosystem - 26	Lorenzoni	Wesley Moses (NRL)	B-200 (DA)	30	B-200 (DA)																													
NISAR cal/val - 27	Kaye	Robert Green (JPL)	Other	250	Other																													
Terrestrial Ecology field campaign (ARID or PANGEA)	Margolis		B-200 (DA)		B-200 (DA)																													
GLIMR cal/val	Lorenzoni																																	
Examining the extent and triggering of fault creep in the Salton Trough - 27		Robert Zinke (JPL)	G-IV	6	G-IV																													
GEMx/EMRI (USGS) - 27	Phillips	Raymond Kokaly (USGS)	ER-2	100	ER-2																													
Western Diversity Time Series - 27	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																													
Western Diversity Time Series - 28	Kaye, Phillips, Turner / ?	Robert Green (JPL)	ER-2	45	ER-2																													

Weather and Atmospheric Dynamics

Approved Flight Request (FR)

Open FR

No FR

Tasks	PS/PE/PM	PI	Assigned To	Hours	2024				2025				2026				2027				2028				2029				2030			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CoSMIR-H Eng. Flights	McCarty	Rachael Kroodsmma (GSFC)	ER-2	16	ER-2																											
WHyMSIE	McCarty	Antonia Gambacorta (GSFC)	ER-2	50	ER-2																											
NURTURE - 26	McCarty	Amin Nehrir (LaRC)	B777	200	B777																											
NURTURE - 27	McCarty	Amin Nehrir (LaRC)	B777	200	B777																											
PolSIR (Polarized Submillimeter Ice-cloud Radiometer) cal/val campaign	McCarty	Ian Adams (NASA GSFC)	ER-2	50	ER-2																											

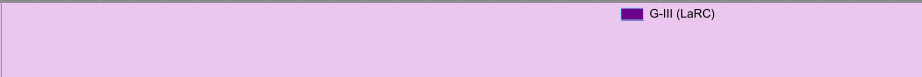
Designated Observable

Approved Flight Request (FR)

Open FR

No FR

Tasks	PS/PE/PM	PI	Assigned To	Hours	2024		2025				2026				2027				2028				2029				2030					
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
EMIT cal/val for GHG Center - 24	Kavvada (GHG Center), Kaye, Lefer, Margolis and Pavlick	Andrew Thorpe (JPL)	B-200 (DA)	100	B-200 (DA)																											
ARCSIX	Maring, Markus	Konrad Schmidt (University of CO - Boulder)	G-III (LaRC) P-3	168 (G-III), 189 (P-3)	G-III (LaRC) P-3																											
SARP 24	Lefer, Kim	Glenn Wolfe (GSFC), Melissa Martin (HQ)	B-200 (DA) P-3	52.8 (P-3), 74 (B-200)	B-200 (DA) P-3																											
FireSense UAS Demo	Lefer		UAS		UAS																											
EMIT cal/val for GHG Center - 25	Kavvada (GHG Center), Kaye, Lefer, Margolis and Pavlick	Andrew Thorpe (JPL)	B-200 (other)	100	B-200 (other)																											
Aboveground Carbon Stock Changes in Dynamic Tropical Forests	Jucks	Michael Keller (USFS)	Other		Other																											
SARP 25	Lefer / Kim	Melissa Martin (HQ)	P-3		P-3																											
NTERFAACE (Nitrogen and Carbon Terrestrial Fluxes: Agriculture, Atmospheric Composition, and Ecosystems)	Lefer	Glenn Wolfe (GSFC)	P-3		P-3																											
NTERFAACE (Nitrogen and Carbon Terrestrial Fluxes: Agriculture, Atmospheric Composition, and Ecosystems) - Animals	Lefer	Glenn Wolfe (GSFC)	B-200 (LaRC)		B-200 (LaRC)																											
PYREX (Pyrocumulonimbus Experiment) - 26	Lefer	David Peterson (NRL)	ER-2	100	ER-2																											
PYREX (Pyrocumulonimbus Experiment) - 26	Lefer	David Peterson (NRL)	WB-57	100	WB-57																											
PYREX (Pyrocumulonimbus Experiment) - 27	Lefer	David Peterson (NRL)	ER-2	100	ER-2																											
PYREX (Pyrocumulonimbus Experiment) - 27	Lefer	David Peterson (NRL)	WB-57	100	WB-57																											
TASC-CH4 - AMAZON - 26	Lefer, Kaye	Amin Nehrir (LaRC)	G-III (LaRC)		G-III (LaRC)																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Mexico City	Lefer	Jim Crawford (NASA LaRC)	G-III (LaRC)	100	G-III (LaRC)																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Mexico City	Lefer	Jim Crawford (NASA LaRC)	B777	90	B777																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Domestic	Lefer	Jim Crawford (NASA LaRC)	G-III (LaRC)	100	G-III (LaRC)																											
HAMAQ (Hemispheric Airborne Measurements of Air Quality) - Domestic	Lefer	Jim Crawford (NASA LaRC)	B777	90	B777																											
TASC-CH4 - AMAZON - 27	Lefer, Kaye	Amin Nehrir (LaRC)	G-III (LaRC)		G-III (LaRC)																											
FORTE (Arctic Coastlines-The Frontlines of Rapidly Transforming Ecosystems) - 27	Lefer	Maria Tzortziou (City College of New York)	G-III (LaRC)	126	G-III (LaRC)																											
AOS Suborbital Prep	Maring		B777 ER-2 P-3		B777 ER-2 P-3																											

Tasks	PS/PE/PM	PI	Assigned To	Hours	2024				2025				2026				2027				2028				2029				2030			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
FORTE (Arctic Coastlines–The Frontlines of Rapidly Transforming Ecosystems) - 28	Lefer	Maria Tzortziou (City College of New York)	G-III (LaRC)	126																												
EMIT cal/val for GHG Center - Santa Barbara	Argyro Kavvada (U.S. GHG Center)	Andrew Thorpe (JPL)	B-200 (DA)	100																												

