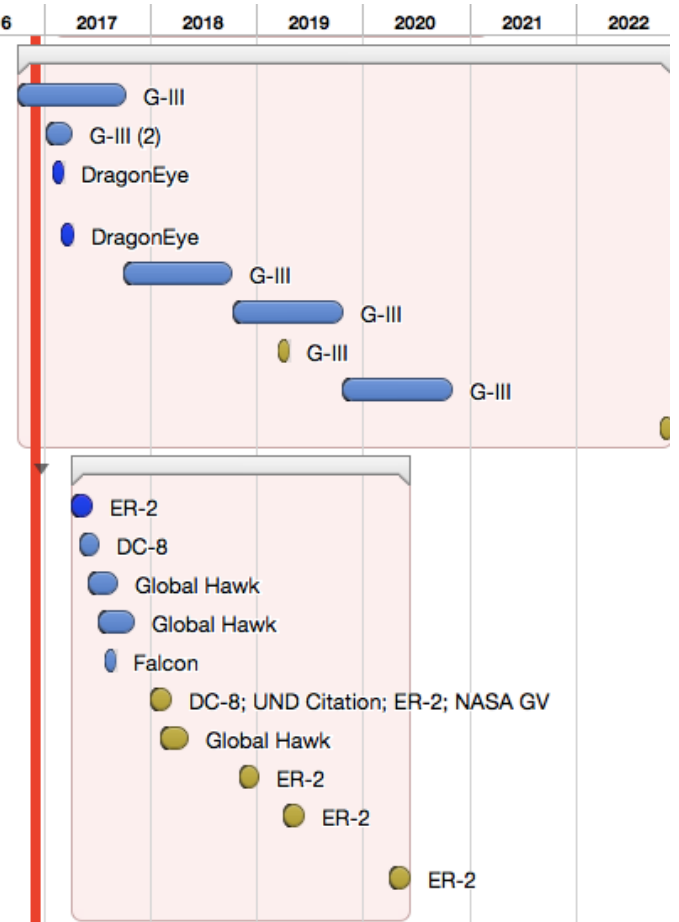


Atmospheric Composition and Chemistry

Title	Flt Hours	PS/PE/PM	Related Satellite/Sensor	2015	2016	2017	2018	2019	2020	2021	2022
1) Atmospheric Composition and Chemistry											
• 1.1) Lake Michigan Ozone study	130	Lefer, Al-Saadi				UC-12					
• 1.2) AJAX	70	Jucks	OCO-2			Alpha Jet					
• 1.3) California Methane Survey	130	JPL				Other B-200					
• 1.4) TropOMI validation (piggyback)	20	Maring/Lefer/Margolis	Sentinel-5			ER-2					
• 1.5) SHOW / ASMLS	20	Jucks/IIP				ER-2					
• 1.6) ASCENDS 2017	40	Jucks	OCO-2, ASCENDS			DC-8					
• 1.7) Polarimeter/Lidar experiment	30?	Maring	PACE, ACE			ER-2					
• 1.8) CAMPEX	120	Maring	A-Train, ACE				P-3; WB-57				
• 1.9) FIRE-CHEM	150	Lefer	A-Train, ISS				DC-8; UC-12; NASA GV; ER-2				
• 1.10) ARISE II		Maring					C-130; P-3				
• 1.11) Chemistry Mission-in-development / South East Asia Outflow	30	Jucks					WB-57				
• 1.12) FASME Pre-scribed burn	25	Lefer							Sherpa		
• 1.13) FASME Pre-scribed burn	25	Lefer								Sherpa	

Earth Surface and Interior Weather

Title	Fit Hours	PS/PE/PM	Related Satellite/Sensor	2015	2016	2017	2018	2019	2020	2021	2022
5) Earth Surface & Interior											
• 5.1) UAVSAR / EIS - 17	290	Dobson; Tagg	NISAR								
• 5.2) Volcanoes and Corals (GLISTIN)	40	Turner	HyspIRI								
• 5.3) Volcanoes and Corals	20	Turner	HyspIRI, NI-SAR, Terra, EO-1								
• 5.4) Salton Sea mud pots	10	Phillips	HyspIRI / ASTER								
• 5.5) UAVSAR / EIS - 18	290	Dobson; Tagg	NISAR								
• 5.6) UAVSAR / EIS - 19	290	Dobson; Tagg	NISAR								
• 5.7) India mission-in-development		Dobson	NISAR								
• 5.8) UAVSAR / EIS - 20	290	Dobson; Tagg	NISAR								
• 5.9) NISAR cal/val	100	Dobson	NISAR								
6) Weather											
• 6.1) GOES-R cal/val	100	Kakar	GOES-R								
• 6.2) CPEX	100	Kakar	ADM / GPM								
• 6.3) EPOCH	24	Pierce	CYGNES, GPM								
• 6.4) NOAA SHOUT-17	268	Hood									
• 6.5) HIWC-II	100	Harrah	GOES-N-P								
• 6.6) GPM cal/val		Schwaller	GPM								
• 6.7) GH mission in development		Kakar									
• 6.8) Relampago (lightning mission)		Kakar									
• 6.9) Severe storm campaign/VORTEX-SE	80	Kakar	GOES-R, GMP								
• 6.10) Severe storm campaign/VORTEX-SE	80	Kakar	GOES-R, GMP								



Earth Venture Suborbital - 2

Title	Flt Hours	PS/PE/PM	Related Satellite/Sensor	2015	2016	2017	2018	2019	2020	2021	2022
7) EVS-2											
• 7.1) NAAMES-2017	70	Bontempi				● C-130					
• 7.2) NAAMES-2018	70	Bontempi					● C-130				
• 7.3) ORACLES-2017	120	Maring	ACE			● P-3					
• 7.4) ORACLES-2018	120	Maring	ACE				● P-3				
• 7.5) ACT-America-2017	620	Jucks	OCO-2			● C-130					
• 7.6) ACT-America-2017	113	Jucks	OCO-2			● B-200 L					
• 7.7) ACT-America-2017	620	Jucks	OCO-2			● C-130					
• 7.8) ACT-America-2017	113	Jucks	OCO-2			● B-200 L					
• 7.9) ACT-America-2018	620	Jucks	OCO-2				● C-130				
• 7.10) ACT-America-2018	113	Jucks	OCO-2				● B-200 L				
• 7.11) ATom-2	120	Maring	OCO-2			● DC-8					
• 7.12) ATom-3	120	Maring	OCO-2			● DC-8					
• 7.13) ATom-4	120	Maring	OCO-2				● DC-8				
• 7.14) OMG-17-Glistin	84	Dobson, Wagner				● G-III (2)					
• 7.15) OMG-17-Sondes	66	Dobson, Wagner				● G-III (2)					
• 7.16) OMG-18-Glistin	84	Dobson, Wagner					● G-III (2)				
• 7.17) OMG-18-Sondes	66	Dobson, Wagner					● G-III (2)				
• 7.18) OMG-19-Glistin	84	Dobson, Wagner						● G-III (2)			
• 7.19) OMG-19-Sondes	66	Dobson, Wagner						● G-III (2)			
• 7.20) OMG-20-AXCTD	75	Maring							● G-III (2)		
• 7.21) CORAL -17	90	Tagg, Bontempi	PACE			● Other					

New Technology

Title	Fit Hours	PS/PE/PM	Related Satellite/Sensor	2015	2016	2017	2018	2019	2020	2021	2022
8) New Technology											
• 8.1) HyTES-16	10	AITT			●						
• 8.2) AVIRIS-ng on ER-2	6	Kaye			●						
• 8.3) MISTIC Winds	8	IIP			●						
• 8.4) WISM	12	IIP			●						
• 8.5) ECOSAR/Rincon	18	IIP			●						
• 8.6) Thermal IR Climate sensor					●						
• 8.7) HAWK-OAWL	50	IIP	3-D Winds		●						
• 8.8) Compact Limb Sounder / SHOW	12	IIP			●						
• 8.9) UAVSAR / Global Hawk	17	ESTO ACT	SMAP, NISAR			●					
• 8.10) Multi-wavelength LIDAR		IIP				●					
• 8.11) Triple-pulsed LIDAR		IIP				●					
• 8.12) SLI-T		ESTO	Landsat				●				
• 8.13) Deferred technology tests								●			
• 8.14) 4-star radiometer	4	AITT	ACE, NPP, GEO-CAPE					●			
• 8.15) IIP-2016		ESTO							●		
• 8.16) AITT-2016									●		
9) EVS-3 (approximate)											
• 9.1) Solicitation released					●						
• 9.2) Proposals due						●					
• 9.3) Awards							●				
• 9.4) Estimated EVS-3 schedule								●			

Maintenance

Title	Fit Hours	PS/PE/PM	Related Satellite/Sensor	2015	2016	2017	2018	2019	2020	2021	2022
12) Maintenance schedules / platform unavailable											
• 12.1) C-130 maintenance		WFF				● C-130					
• 12.2) C-130 maintenance		WFF					● C-130				
• 12.3) C-130 maintenance		WFF					● C-130				
• 12.4) C-130 maintenance		WFF						● C-130			
• 12.5) GH phase inspection		AFRC			● Global Hawk						
• 12.6) GH Inmarsat check		AFRC			● Global Hawk						
• 12.7) DC-8 C-check		AFRC			● DC-8						
• 12.8) DC-8 A-check		AFRC					● DC-8				
• 12.9) DC-8 maintenance		AFRC						● DC-8			
• 12.10) DC-8 A-check, C-check		AFRC							● DC-8		
• 12.11) ER-2 upgrades		AFRC				■ ER-2					
• 12.12) other ER-2 upgrade		AFRC					■ ER-2				
• 12.13) P-3 maintenance		WFF			● P-3						
• 12.14) P-3 maintenance		WFF				● P-3					
• 12.15) P-3 maintenance		WFF					● P-3				
• 12.16) P-3 maintenance		WFF						● P-3			
• 12.17) P-3 maintenance		WFF							● P-3		
• 12.18) P-3 maintenance		WFF								● P-3	
• 12.19) C-20A maintenance		AFRC			● G-III						
• 12.20) C-20A maintenance		AFRC				● G-III					
• 12.21) JSC G-III maintenance		JSC			● G-III (2)						
• 12.22) JSC G-III next gen upgrade		JSC					● G-III (2)				