

Atmospheric Composition and Chemistry

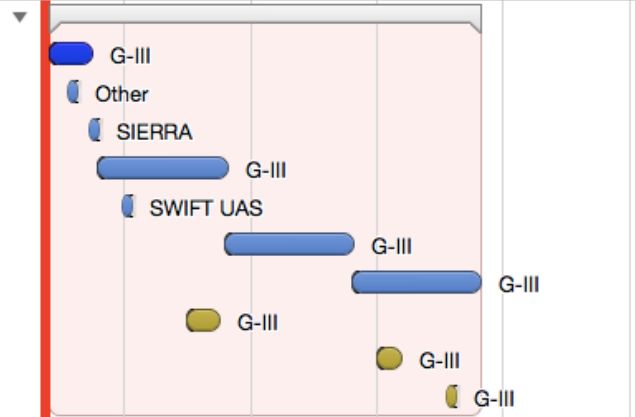
| Title | Flt Hours | PS/PE/PM | Related Satellite/Sensor | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|-----------|------------------|--------------------------|------|------|------|------|------|------|------|
| ▼ 1) Atmospheric Composition and Chemistry | | | | | | | | | | |
| • 1.1) CAMP2Ex | 223 | Maring | A-Train, ACE | | | | | | | |
| • 1.2) FIREX-AQ | 150 | Lefer | A-Train, ISS | | | | | | | |
| • 1.3) ROSCOE | 4 | Maring | CATS-ISS | | | | | | | |
| • 1.4) AJAX | 70 | Lefer | OCO-2, TropOMI, TEMPO | | | | | | | |
| • 1.5) SHOW / ASMLS | 20 | Jucks/IIP | | | | | | | | |
| • 1.6) ACLIP | 30 | Jucks | | | | | | | | |
| • 1.7) AJAX | 70 | Lefer | OCO-2, TropOmi, TEMPO | | | | | | | |
| • 1.8) ARCSIX | 150 | Maring | | | | | | | | |
| • 1.9) Geostationary missions - air quality campaign - location TBD | | Lefer | New Geostationary | | | | | | | |
| • 1.10) PACE cal/val | | Maring, Bontempi | PACE | | | | | | | |
| • 1.8) ARCSIX | 150 | Maring | | | | | | | | |
| • 1.9) Geostationary missions - air quality campaign - location TBD | | Lefer | New Geostationary | | | | | | | |
| • 1.10) PACE cal/val | | Maring, Bontempi | PACE | | | | | | | |

Carbon Cycle and Ecosystem Science

| Title | Fit Hours | PS/PE/PM | Related Satellite/Sensor | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|-----------|-----------------|--------------------------|------|----------------------|------|------|------|------|------|
| 2) Carbon Cycle & Ecosystems Science | | | | | | | | | | |
| • 2.1) GEDI cal/val (LVIS) | | GEDI / Margolis | GEDI | | ● NASA GV | | | | | |
| • 2.2) UAVSAR - TE budget-19 | 20 | Bawden/Margolis | NISAR | | ● G-III | | | | | |
| • 2.3) AVIRIS-ng Europe | 125 | Margois | Sentinel 3B | | ● Other B-200 | | | | | |
| • 2.4) ABoVE key sites - 19 | 30 | Margolis | | | ● Other B-200; G-III | | | | | |
| • 2.5) California continuity - 19 | 30 | Turner | SBG | | ● ER-2 | | | | | |
| • 2.6) VED fluid lens | | | | | ● Other | | | | | |
| • 2.7) UAVSAR-TE budget-20 | 20 | Bawden/Margolis | | | ● G-III | | | | | |
| • 2.8) AVIRIS budget-20 | 100 | Margolis | | | ● ER-2; Other B-200 | | | | | |
| • 2.9) ABoVE Big Field Campaign | 150 | Margolis | NISAR, OCO-2, ICESat 2 | | ● G-III; G-III (2) | | | | | |
| • 2.10) California continuity - 20 | 30 | Turner | SBG | | ● ER-2 | | | | | |
| • 2.11) NISAR pre-launch cal/val | 100 | Bawden | NISAR | | ● G-III | | | | | |
| • 2.12) Potential Biodiversity campaign | | Turner | | | ● ER-2 | | | | | |
| • 2.13) UAVSAR-TE budget-21 | 20 | Bawden/Margolis | | | ● G-III | | | | | |
| • 2.14) AVIRIS budget-21 | 100 | Margolis | | | ● ER-2; Other B-200 | | | | | |
| • 2.15) ABoVE key sites - 21 | 30 | Margolis | | | ● Other B-200; G-III | | | | | |
| • 2.16) NISAR post-launch cal/val | 100 | Bawden | NISAR | | ● G-III | | | | | |
| • 2.17) Arctic COLORS (placeholder)-22 | | Bontempi | | | ● B-200 L; P-3 | | | | | |
| • 2.18) UAVSAR-TE budget-22 | 20 | Bawden/Margolis | | | ● G-III | | | | | |
| • 2.19) AVIRIS budget-22 | 100 | Margolis | | | ● ER-2; Other B-200 | | | | | |
| • 2.20) NISAR post-launch cal/val | 100 | Bawden | NISAR | | ● G-III | | | | | |
| • 2.21) PACE Cal/Val (pre-launch) | | Bontempi | PACE | | ● TBD; ER-2 | | | | | |
| • 2.22) PACE Cal/Val | | Bontempi | PACE | | ● TBD; | | | | | |
| • 2.23) PACE-Related water quality | | Entin | PACE | | ● TBD | | | | | |

Earth Surface and Interior

| Title | Fit Hours | PS/PE/PM | Related Satellite/Sensor | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--|-----------|------------------|--------------------------|------|------|------|------|------|------|------|
| 5) Earth Surface & Interior | | | | | | | | | | |
| • 5.1) UAVSAR / EIS - 19 | 150 | Bawden; Phillips | NISAR | | | | | | | |
| • 5.2) UAVSAR India | | Phillips | NISAR | | | | | | | |
| • 5.3) UAS Salton Sea | 8 | Phillips | | | | | | | | |
| • 5.4) UAVSAR / EIS - 20 | 150 | Bawden; Phillips | NISAR | | | | | | | |
| • 5.5) UAS Bathymetry | | Phillips | | | | | | | | |
| • 5.6) UAVSAR / EIS - 21 | 150 | Bawden; Phillips | NISAR | | | | | | | |
| • 5.7) UAVSAR / EIS - 22 | 150 | Bawden; Phillips | NISAR | | | | | | | |
| • 5.8) NISAR pre-launch cal/val | 200 | Bawden | NISAR | | | | | | | |
| • 5.9) NISAR post-launch cal/val | 100 | Bawden | NISAR | | | | | | | |
| • 5.10) GLISTIN mission in development | | Bawden | | | | | | | | |



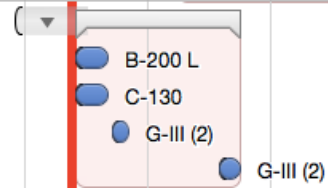
Weather

| Title | Fit Hours | PS/PE/PM | Related Satellite/Sensor | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|--|-----------|------------------|--------------------------|------|------|------|------|------|------|------|
| 6) Weather | | | | | | | | | | |
| • 6.1) Severe storm campaign/VORTEX-SE | 80 | Jackson/Petersen | GOES-R, GPM | | | | | | | |
| • 6.2) GOES-R, GOES-S cal/val | 100 | Jackson | GOES-R, GOES-S | | | | | | | |
| • 6.3) Aeolus/GPM cal/val / CPEX2 | 100 | Jackson | ADM / GPM | | | | | | | |
| • 6.4) Planetary Boundary Layer characterization experiments | | Jackson | PBL | | | | | | | |



Earth Venture Suborbital

| Title | Fit Hours | PS/PE/PM | Related Satellite/Sensor | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-------------------------|-----------|----------------|--------------------------|------|------|------|------|------|------|------|
| 7) EVS-2 | | | | | | | | | | |
| • 7.1) ACT-America-2019 | 113 | Jucks | OCO-2 | | | | | | | |
| • 7.2) ACT-America-2019 | 620 | Jucks | OCO-2 | | | | | | | |
| • 7.3) OMG-19-Sondes | 66 | Bawden, Wagner | | | | | | | | |
| • 7.4) OMG-20-AXCTD | 75 | Maring | | | | | | | | |



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|---------------------------------------|-----------|-----------|--------------------------|------|------|------|------|------|------|------|
| 9) EVS-3 (nominal time frames) | | | | | | | | | | |
| • 9.1) DCOTSS | 272 | Lefer | | | | | | | | |
| • 9.2) IMPACTS | 600 | Jackson | GPM, GOES-R, CloudSat | | | | | | | |
| • 9.3) S-MODE | 240 | Lindstrom | SWOT | | | | | | | |
| • 9.4) Delta-X | 1294 | Margolis | SWOT | | | | | | | |
| • 9.5) ACTIVATE | 1200 | Lefer | Calipso | | | | | | | |

