Planning List for SMD Solicitations

Last updated March 16, 2021

The following list is the NASA Science Mission Directorate (SMD) planning list for solicitations issued as Broad Agency Announcements, including NASA Research Announcements (NRAs), Announcements of Opportunity (AOs), and Cooperative Agreement Notices (CANs). This list represents a snapshot of SMD's plans as of the revision date. It is important to note that these are projected solicitations and planning dates only. NASA cannot guarantee that the final solicitations will be released, or that they will be released by the planning date. Also note that quarters are referenced to the Federal Fiscal Year (October 1 – September 30) and not the calendar year:

Q1 (Fall) = Oct-Dec, Q2 (Winter) = Jan-Mar, Q3 (Spring) = Apr-Jun, Q4 (Summer) = Jul-Sep

Changes and additions from the previously released Planning List are shown in **bold blue text**. Deletions are shown as struck-through ~~text.~~

The release of any of these planned solicitations has not been formally approved by NASA. By offering this information to prospective investigators at this time (prior to formal approval and release by NASA), NASA is under no obligation to issue the solicitation and solicit proposals. Any costs incurred by prospective investigators in preparing submissions in response to this information are incurred completely at the submitter's own risk. The ability of the Government to issue any of these planned solicitations is contingent upon the expectation of sufficient appropriated funds and the ability of the Government to make awards is contingent upon the availability of sufficient appropriated funds. If you have question about this schedule, please contact Dr. Michael New at 202-358-1766 or email at michael.h.new@nasa.gov. Where hypertext links are available from titles, they will lead to NSPIRES pages with abstracts and points of contact for individual solicitations.

**FY 2017**

* AO, New Frontiers [(Selections Announced)](https://www.nasa.gov/press-release/nasa-invests-in-concept-development-for-missions-to-comet-saturn-moon-titan)
* ROSES-2017 NRA, February 2017 (Released)
* SALMON-3 AO (Released)
* AO, Martian Moons eXploration (MMX) Instrument, [(Selections Announced)](https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid%3D602570/solicitationId%3D%7B15A0737B-EA4B-6B41-CA28-C3DEBE6C719B%7D/viewSolicitationDocument%3D1/17-090%20Future%20Mission%20to%20Martian%20Moons.pdf)
* AO, STP-5 (IMAP), Heliophysics, [(Selection Announced)](https://www.nasa.gov/press-release/nasa-selects-mission-to-study-solar-wind-boundary-of-outer-solar-system)
* NRA (ROSES), Earth Venture Suborbital-3, [(Selections Announced)](https://nspires.nasaprs.com/external/viewrepositorydocument?cmdocumentid=652140&solicitationId=%7bD36BA13F-53FC-BC87-B43D-FB08673CD6EE%7d&viewSolicitationDocument=1)

**FY 2018**

* ROSES-2018 NRA, February 2018 (Released)
* NRA, SOFIA Next Generation Instrumentation, (Selections Announced – all proposals declined)
* AO, Small Innovative Missions for Planetary Exploration (SIMPLEx-2) Missions of Opportunity [(Selections Announced)](https://www.nasa.gov/feature/small-satellite-concept-finalists-target-moon-mars-and-beyond)
* RFP, Commercial Lunar Payload Services, Q3 [(Selections Announced)](https://www.nasa.gov/press-release/nasa-announces-new-partnerships-for-commercial-lunar-payload-delivery-services)
* AO, Earth Venture Instrument-5, Q3 [(Selections Announced)](https://www.nasa.gov/press-release/nasa-targets-coastal-ecosystems-with-new-space-sensor)
* AO, STP Technology Demonstration Missions of Opportunity, [(Selections Announced)](https://www.nasa.gov/press-release/nasa-selects-proposals-to-demonstrate-smallsat-technologies-to-study-interplanetary)
* AO, Heliophysics Science Mission of Opportunity, [(STP Selections Announced)](https://www.nasa.gov/press-release/nasa-selects-proposals-to-further-study-the-fundamental-nature-of-space) [(Explorer Selections Announced)](https://www.nasa.gov/press-release/nasa-selects-proposals-to-advance-understanding-of-space-weather)

**FY 2019**

* ROSES-2019 NRA, March 2019 (Released in March 2019 due to partial government shutdown)
* AO, Heliophysics Explorers (MIDEX), [(Selections Announced)](https://explorers.larc.nasa.gov/HPMIDEX/announcements.html)
* AO, Earth Venture Continuity-1 Missions of Opportunity [(Selections Announced)](https://www.nasa.gov/press-release/nasa-selects-new-instrument-to-continue-key-climate-record)
* AO, Astrophysics Explorers (SMEX) and Missions of Opportunity [(Selections Announced)](https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid%3D742156/solicitationId%3D%7BCEAB8C17-F3D4-D86E-2E8D-9AECC0B27534%7D/viewSolicitationDocument%3D1/20-026%20SMEX%20Proposals%20-%20MAR%2016%5B1%5D.pdf)
* AO, Discovery, Q2 [(Selections Announced)](https://www.nasa.gov/press-release/nasa-selects-four-possible-missions-to-study-the-secrets-of-the-solar-system)

**FY 2020**

* ROSES-2020 NRA, February 2020 (Released)
* NRA (ROSES-2020), Astrophysics Pioneers, (Final text released July 2nd, 2020), ~~Proposals due 10/1/20~~ [**(Selections Announced)**](https://www.nasa.gov/feature/nasa-selects-4-concepts-for-small-missions-to-study-universe-s-secrets)
* NRA (ROSES-2020), In-space Validation of Earth Science Technologies, Proposals due ~~TBD~~3/9/21**.**
* NRA (ROSES-2020), Development and Advancement of Lunar Instrumentation Program, ~~Proposals received 7/10/20~~ [**(Selections Announced)**](https://nspires.nasaprs.com/external/viewrepositorydocument?cmdocumentid=794264&solicitationId=%7b0F9DCC57-FED9-9E7C-5795-23EAE50C0CF2%7d&viewSolicitationDocument=1)
* NRA (ROSES-2020), Maturation of Instruments for Solar System Exploration, ~~Proposals received 7/17/20~~ [**(Selections Announced)**](https://nspires.nasaprs.com/external/viewrepositorydocument?cmdocumentid=794265&solicitationId=%7b3615460F-C821-2F77-85A9-394896D26698%7d&viewSolicitationDocument=1)**.**
* NRA (ROSES-2020), Heliophysics Technology and Instrument Development for Science, Proposals received 9/9/20.
* NRA (ROSES-2020), Planetary Instrument Concepts for the Advancement of Solar System Observations, Proposals ~~due~~ **received 11/20/20**

**FY 2021 ~~Planned~~**

* NRA (R0SES-2020), Heliophysics Low Cost Access to Space, Proposals ~~due~~ **received** 10/7/20
* NRA (R0SES-2020), Heliophysics Flight Opportunity Studies, Proposals ~~due~~ **received** 12/3/20
* NRA (ROSES-2020), Astrophysics Research and Analysis (including technology development and sub-orbital investigations), Proposals ~~due~~ **received** 12/17/20
* ROSES-2021 NRA, February 2021
* **NRA (ROSES-2021), Astrophysics Pioneers, Proposals due TBD.**
* AO, Earth Venture Mission-3, Q1 ~~(Draft Released, April 10~~~~th~~~~, 2020)~~**, Proposals due 3/18/21**
* AO, Geospace Dynamics Constellation (GDC) Instruments, ~~Q1~~ **Draft comments due 3/26/21**
* ~~ROSES-2021 NRA, In-space Validation of Earth Science Technologies, Q1~~
* NRA (ROSES-2020), [Heliophysics Flight Opportunities for Research and Technology](https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7bDBCE844C-1D0B-D36A-12A6-86FC953F1B6C%7d&path=&method=init), Proposals Due ~~Q2~~ **3/26/21**
* ~~AO, ESA L5 Instruments, Missions of Opportunity, Q3~~
* **AO, ESA Lagrange Focused Instruments of Opportunity, Q4**
* AO, Earth Venture Instrument 6, Q3
* AO, Astrophysics Explorers (MIDEX) and Missions of Opportunity, Q4
* ~~AO, Heliophysics Small Explorers (SMEX) and Missions of Opportunity, Q4~~
* ~~NRA (ROSES-2021), Earth Venture Suborbital-4, Q4~~
* **NRA (ROSES-2020) PICASSO, Rolling proposal submissions until 3/29/22**
* **NRA (ROSES-2020) DALI, Proposals due 4/16/21**

**FY 2022 Planned**

* ROSES-2022 NRA, February 2022
* **NRA (ROSES-2022), Astrophysics Research and Analysis (including technology development and sub-orbital investigations), Proposals due TBD**
* **NRA (ROSES-2022) Astrophysics Pioneers, Proposals due TBD**
* Draft AO, New Frontiers 5, Q1
* **AO, Dynamical Neutral Atmosphere-Ionosphere Coupling (DYNAMIC), November 2021**
* ~~AO, Earth Venture Continuity-2,~~~~Q1~~
* ~~AO, Earth Venture Suborbital-4, Q2~~
* **AO, Heliophysics Small Explorers (SMEX) and Missions of Opportunity, Q3**
* NRA (ROSES-2022), Beyond Low Earth Orbit Space Biology Investigations, Q3

**FY 2023 Planned**

* ROSES-2023 NRA, February 2023
* **NRA (ROSES-2023), Astrophysics Research and Analysis (including technology development and sub-orbital investigations), Proposals due TBD**
* **NRA (ROSES-2023) Astrophysics Pioneers, Proposals due TBD**
* AO, New Frontiers 5, Q1
* **AO, Earth Venture Continuity-2, Q1**
* **NRA (ROSES-2023), Earth Venture Suborbital-4, Q2**
* **AO, Discovery 2023, Q2**
* NRA (ROSES-2023), International Free Flyer Research Opportunities in Space Biology, Q3

**FY2024 Planned**

* ROSES**-2024** NRA, February 2024
* **NRA (ROSES-2024), Astrophysics Research and Analysis (including technology development and sub-orbital investigations), Proposals due TBD**
* **NRA (ROSES-2024) Astrophysics Pioneers, Proposals due TBD**
* AO, Astrophysics Small Explorers (SMEX) and Missions of Opportunity, Q2
* AO, Earth Venture Instrument-7, Q3
* **AO, Heliophysics Medium-Class Explorers, Q3**

**FY2025 Planned**

* ROSES**-2025** NRA, February 2025
* **NRA (ROSES-2025) Astrophysics Pioneers, Proposals due TBD**