

Small Innovative Missions for Planetary Exploration (SIMPLEx)

SIMPLEx-1 Solicitation Requirements (2014)

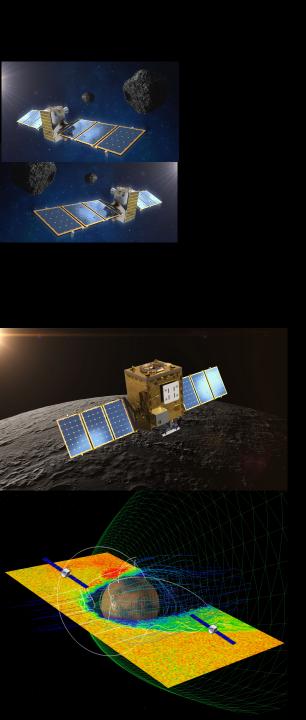
- Rideshare missions to conduct planetary science
- Mass/Cost Caps: 6U / \$5.6M
- Launch opportunities found after selection

SIMPLEx-2 Solicitation Requirements (2018)

- Rideshare missions to conduct planetary science
- Mass/Cost Caps: 180 kg / \$55M
- Specific launch opportunities offered

Next SIMPLEx is TBD

- Current budget precludes near-term SIMPLEx call
- Lessons being learned from SIMPLEx-2
- Awaiting Decadal recommendations
- Planetary Science is committed to providing ride-share opportunities, as possible, on future launches



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SIMPLEx-1 (2014)

Q-PACE Josh Colwell, University of Southern Florida

Virgin Orbit LauncherOne, January 17, 2021

500 km circular Earth orbit

LunaH-Map Craig Hardgrove, Arizona State University

Artemis 1, delivery May 14, 2021

Highly elliptical lunar polar orbit

SIMPLEx-2 (2018)

Janus Dan Scheeres, University of Colorado Boulder

Psyche, August 2022

Flybys of asteroid 1996 FG3 and 1991 VH

Lunar Trailblazer Bethany Ehlmann, Caltech

IMAP, FY25

100 km lunar orbit

Escapade Rob Lillis, University of California Berkeley

Various Mars orbits (2 spacecraft)

