

EXPLORESPACE TECH

THROUGH SUBORBITAL AND HOSTED ORBITAL FLIGHT

The **Flight Opportunities** program rapidly demonstrates promising technologies for space exploration, discovery, and the expansion of space commerce through suborbital and hosted-orbital testing with industry flight providers.



NASA FLIGHT OPPORTUNITIES PROGRAM COMMERCIAL TEST PLATFORMS



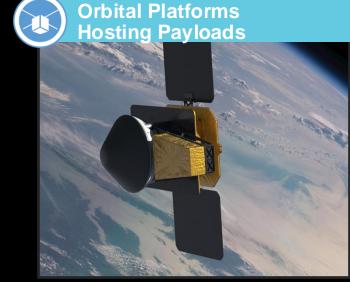




Credits: World View Enterprises Credits: University of California, Berkeley



Credits: Lauren Hughes/NASA



NEW NASA-CONTRACTED PROVIDERS ON FLIGHT OPPORTUNITIES IDIQ

Suborbital Rocket-Powered Vehicles

- Astrobotic
- Blue Origin
- Virgin Galactic
- Rocket Lab

High-Altitude Balloons

- Aerostar International, Inc.
 Recently acquired Near Space Corp.
- Angstrom Designs
- World View Enterprises

Orbital Platforms

- Astro Digital
- Loft Orbital
- Momentus Space
- Rocket Lab
- SpaceX
- Spire
- Tyvak Nano-Satellite Systems
- Varda

National Aeronautics and Space Administration 4

CLOSE TECHNOLOGY SHORTFALLS WITH NASA



Match your solution to available funding opportunities:

techport.nasa.gov/
opportunities



Flight Opportunities and Small Spacecraft Technology utilize a variety of mechanisms to mature innovative solutions from **proof-of-concept**, **to benchtop**, **to flight**.

We want to work with academia, non-profit research institutes, and industry, as well as entrepreneurs, small businesses, and students in order to close our technology gaps.

















Announcements of Collaboration Opportunity

Pathways to flight test for researchers with existing support:

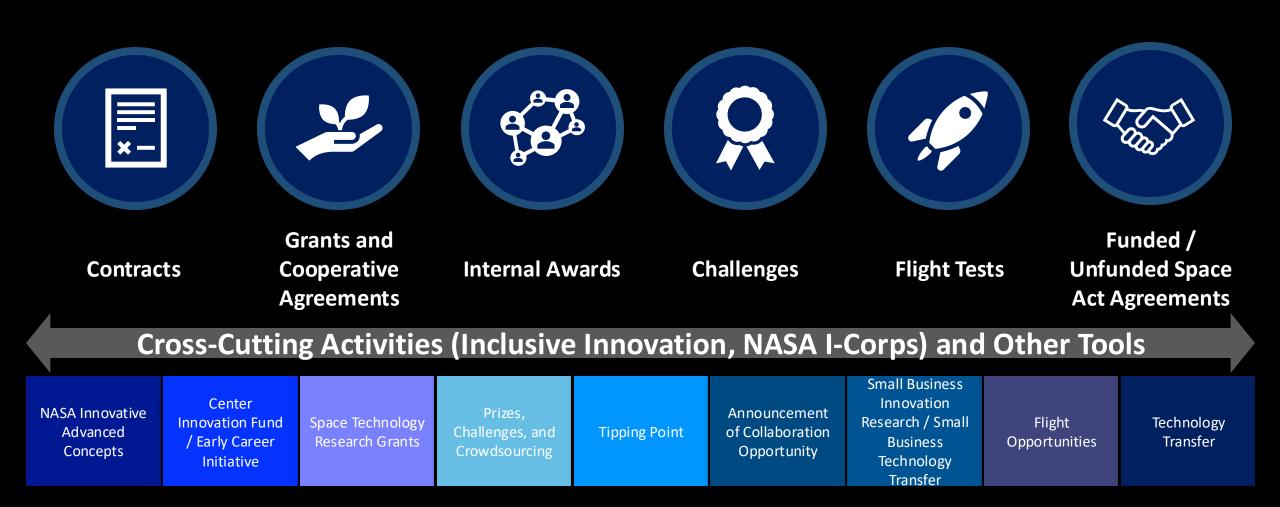
Contact the programs directly.





Catalysts: Mechanisms to Advance Technologies and Address Shortfalls

STMD uses a variety of tools and mechanisms to address capability shortfalls and nurture the knowledge and talent base for civil space while also supporting agency level functions

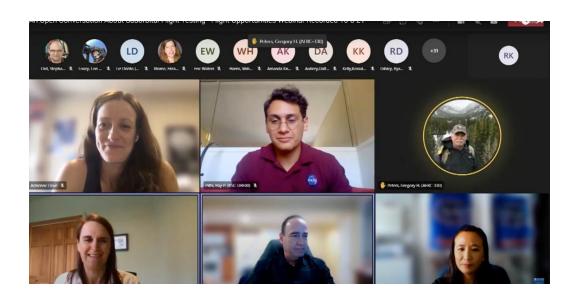


SUPPORTING THE FLIGHT TEST COMMUNITY

Community of Practice Webinars

Designed to distill and share most important lessons learned by suborbital researchers.

First Wednesday of each month 10 am PT



October 6, 2021 Community of Practice An Open Conversation About Suborbital Flight Testing

Flight Opportunities Newsletter

www.nasa.gov/flightopportunities

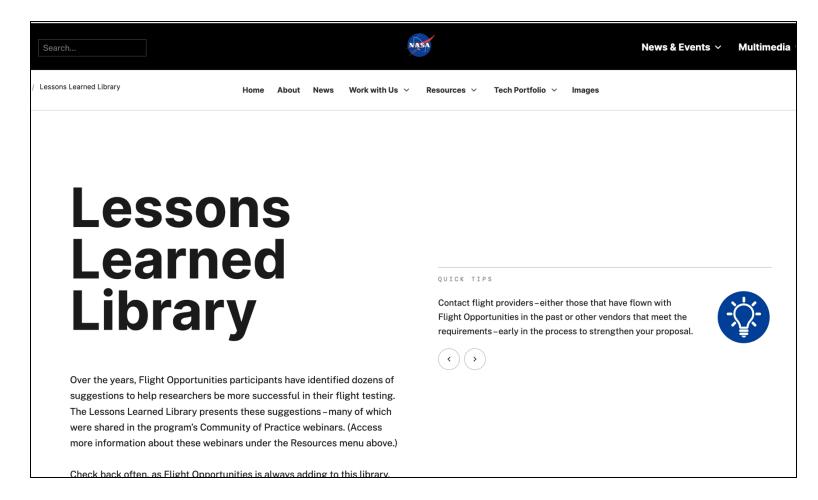


An ongoing collection of best practices and suggestions to help researchers optimize their flight test outcomes

Designed to support researchers as they move through each part of the flight testing process:

- Preparing proposals
- Step-by-step suggestions for getting ready to fly
- Interacting with flight providers
- Best practices for payload design
- Top tips for each type of flight platform

Practical tips are linked to helpful clips from the program's monthly Community of Practice webinar.



STAY ENGAGED:

NASA.GOV/FLIGHTOPPORTUNITIES

NASA.GOV/SMALLSPACECRAFT

Visit our websites for more information and resources, including our newsletter and monthly Community of Practice webinars.

Reach out:

NASA-FlightOpportunities@mail.nasa.gov

