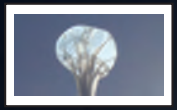
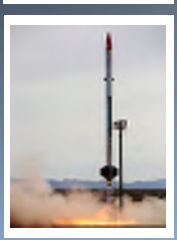
National Aeronautics and Space Administration



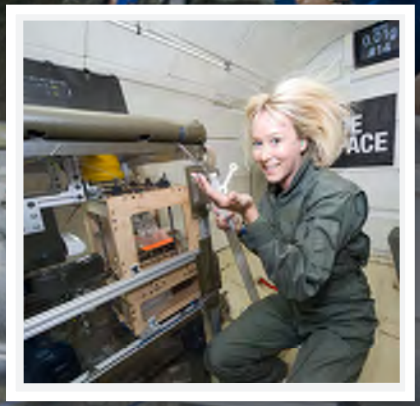


Flight Opportunities Program

"Fly Early, Fly Often, Fly Safely"

The Flight Opportunities Program develops and provides opportunities for space technologies to be demonstrated and validated in relevant environments. We foster the development of the commercial reusable suborbital transportation industry.

Learn how to fly here at NSRC 2012 or visit *http://flightopportunities.nasa.gov*



NASA Flight Opportunities Program track @ NSRC 2012
See NSRC conference program for schedule & location details

Monday, February 27

2:00 pm - 3:45 pm

Session: **Technology & Technology Testing**

Strategy for Collaborative NASA Technology Development
John Hines, NASA Ames Research Center CTO

Flight Opportunities Suborbital Platforms
Davis Hackenberg, Suborbital Platforms Project (SPP) manager

An Update on NASA's Flight Opportunities Program
John W. Kelly, L.K. Kubendran, program management

Tuesday February 28

8:00 am - 10:00 am

Session: **Preparing a Suborbital Research Project: Lessons From Parabolic Flight (Part A)**

NASA's Flight Opportunities Program Technology Development on Parabolic and Suborbital Flights
L.K. Kubendran, Flight Opportunities Program Executive, HQ

NASA Flight Opportunities Program Payloads Process Flow
Dougal C. Maclise, Paul De Leon, Payload Management Project management

Wednesday February 29

2:00 pm - 3:30 pm

NASA Flight Opportunities Program – Customer Workshop
-- see conference program for details

3:50 pm - 4:50 pm

'RECEPTION: Hosted by NASA Flight Opportunities Program'

FLIGHT OPPORTUNITIES PROGRAM EXHIBIT, PRE-FUNCTION AREA
Open 7:30 pm Sunday Feb 26, & daily through Wed, 5:00 pm

www.nasa.gov

Flight Opportunities Program

Office of the Chief Technologist

Program Highlights since NSRC 2011

May 2011
- First 16 technology payloads selected into the program

July
- First program parabolic flight campaign with JSC/Reduced Gravity Office & Zero-Gravity Corporation

August
- Seven firms selected to provide suborbital flight services (see below)
- Second parabolic flight campaign with JSC/RGO & Zero-Gravity Corp.
- Commercial Suborbital Vehicle Workshop at Goddard Space Flight Center

September
- Third parabolic flight campaign with JSC/RGO & Zero-Gravity Corporation

October
- 9 additional technology payloads selected into the program

February 2012
- NASA Research Announcement for technolgy payload development released
- New payloads selected into program (to be announced)

Payloads Selected for Flight

20 - Parabolic

12 - sRLV

2012 Flights Scheduled (tentative):

Parabolic flight weeks
- May
- August
- September

SpaceLoft XL
- August

Small/Nano Balloon System
- April & July

8 Flight Providers: 7 sRLV • 1 parabolic

PROGRAM STATUS	PLATFORM	FLIGHT SERVICE PROVIDER
OPERATIONAL	G-Force One (parabolic)	Zero-Gravity Corporation & JSC/Reduced Gravity Office
ACCEPTING PROPOSALS	Xaero Xogdor	Masten Space Systems
	Small Balloon System Nano Balloon System High Altitude Shuttle System	Near Space Corporation
	SpaceLoft XL	UP Aerospace
	SpaceShip Two	Virgin Galactic
UNDER DEVELOPMENT	Stig-B	Armadillo Aerospace
	mCLV-RSR	Whittinghill Aerospace
	Lynx	XCOR Aerospace

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Learn more at http://flightopportunities.nasa.gov