

Org-Type	Government-based		
Lead	NASA	PoC	Dominic Delrosso
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Address	Ellington Field, Bldg. 993, Houston TX 77034		
URL			
Service-Region	Nationwide		
Type	Student Program		
Subjects	Physics Space Engineering Technology		
Level	Undergraduate		
Other-Objectives			
Served-per-Year	Demographics		
Content	<p>The Reduced Gravity Student Flight Opportunities Program provides a unique academic experience for undergraduate students to successfully propose, design, fabricate, fly and evaluate a reduced gravity experiment of their choice over the course of six months. The overall experience includes scientific research, hands-on experimental design, test operations and educational/public outreach activities. The reduced gravity aircraft generally flies 30 parabolic maneuvers over the Gulf of Mexico. This parabolic pattern provides about 30 seconds of hypergravity (about 1.8G-2G) as the plane climbs to the top of the parabola. Once the plane starts to “nose over” the top of the parabola to descend toward Earth, the plane experiences about 25 seconds of microgravity (0G). At the very top and bottom of the parabola, flyers experience a mix of partial G's between 0 and 1.8 (called “dirty air”).</p>		
Outcomes			
Started		Funded-Through	
Length	Ongoing	Cost	
Primary-Funding		Primary-\$	
Materials			
Other-Funding			
How-Assessed			
Best-Practice-Why			
Promising-Practice			
Sponsor		Sponsor-Org	
Sponsor-Phone		Sponsor-Email	
Other-Orgs			