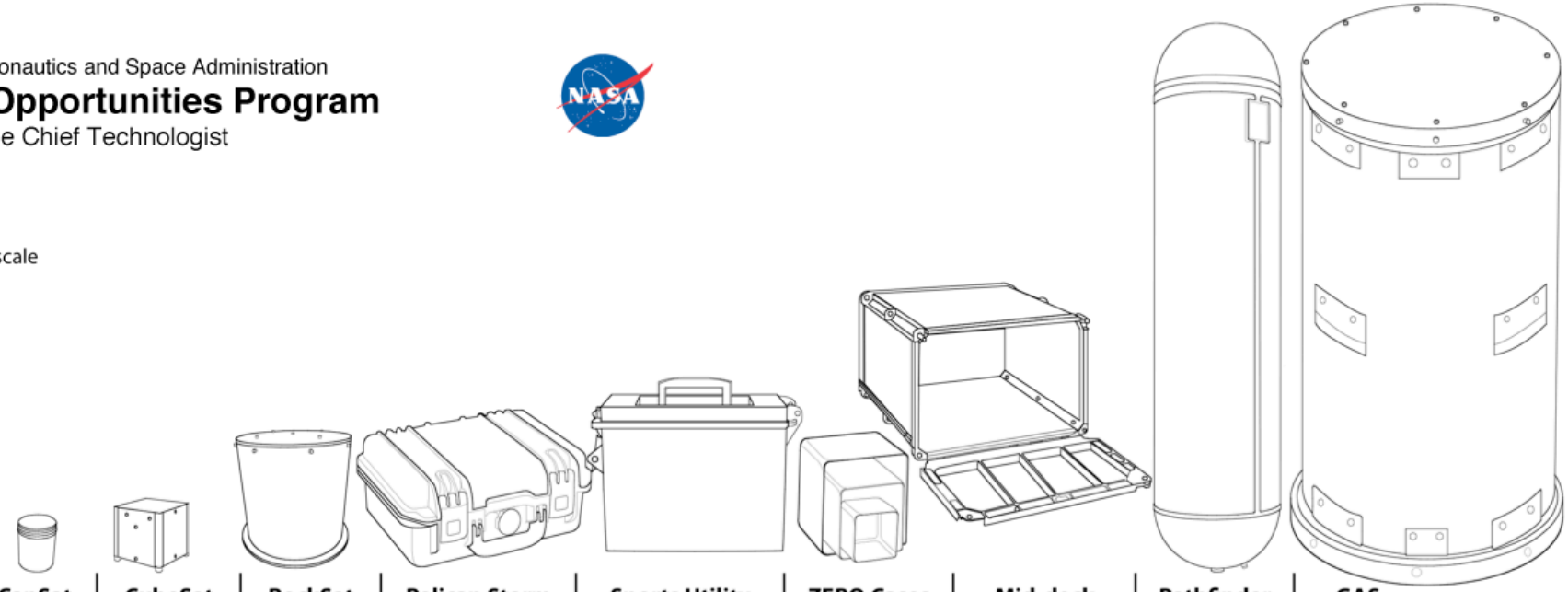
National Aeronautics and Space Administration

Flight Opportunities Program

Office of the Chief Technologist

Drawings to scale



	CanSat	CubeSat	RockSat	Pelican Storm Case	Sports Utility Box	ZERO Cases Deep drawn	Mid-deck Locker	Pathfinder Canister	GAS Canister
Weight	**<320g**	**980g**	**3288g**	**1910g**	**1723g**	Variable	**4603g**	1814g	**?**
Volume	0.39L	1.4L	1.75L	17.2L	21.2L	Variable	57L	48.2L	140L
Inside Volume	Custom	100x100x100	220Hx220D	330Wx234Dx152H	304Wx152Dx247H	Variable	516Dx440Wx253H	1060Hx249D	591Hx422D
Usage	sounding rockets student experiment	ISS, Space Shuttle	Sounding Rockets	Combat zone, nautical expedition, photojournalism sensitive equipment	Combat zone, nautical expeditions Ammo box, sensitive equipment	ISS, Space Shuttle	ISS, Space Shuttle	Pathfinder UAV Observation, 30km high	Space Shuttle
Features	Custom	USB port, customizable	Customizable upon request.	Waterproof, Pressure Valve	Waterproof	Variable sizes available., customizable	Power from FASTRACK	Window, Controlled recirculating air system	Power Supply
Pressurized	Custom	No	No	Partial	No	No	No	Yes	Yes
Materials	Custom	Sheet Aluminum	Aluminum	Polypropylene Copolymer	Copolymer	Aluminum	Composite Aluminum	?	?
G-load	Custom	20G+	25G+	?	?	?	20G+	?	20G+
Fixture	Custom	P-POD	Sub-SEM ring assembly	None	None	Custom Bolts	FASTRACK, SpaceHab Lab, 19" Rack	Custom Ring	N/A
Manufacturer	Custom	Nanorack, Pumpkin	RockSat	Pelican	Sportsman	ZERO Manufacturing	NASA shuttle surplus	NASA	NASA shuttle surplus
Price	<$10	$6000	<$12000	$70.99	$28.9	$1000	$0	?	$0