

Target Catalog:

System	Function	Description	Target	Metric
Onboard	Locate Sample	At a maximum range of	50	cm
	Secure Sample	Hold weight	1	kg
	Move Sample	Move samples that are this far away	50	cm
	Position sample	Distance from goal point	1	cm
Orient	Receive Sample from Onboard	Accept sample size (sample diameter)	7	cm
	Stabilize Sample	Maximum translation rate	0	cm/sec
	Stabilize Sample	Maximum rotation rate	0	deg/sec
	Rotate Sample	About X and Y axes (rotation possible)	360	deg
	Store	Move Sample	Move % distance to storage	100
	Contain Sample	% of surface area exposed	0	%
	Stabilize Sample	Maximum translation	0	cm
	Stabilize Sample	Maximum rotation	0	deg
Miscellaneous	Manipulator Mass	Maximum mass of manipulator	15	kg
	Manipulator Volume	Maximum volume of manipulator	1	m ³
	Storage Volume	Minimum number of samples held	10	# of samples