

Expendable Launch Vehicle (ELV) Manifest
Spacecraft Requirements and Facility Assignments

	Notes	ELV Payloads				Facility Assignments			Cleanliness		Hazardous Ops					Major Nuclear Sources		Other Special Requirements				
		Launch date	Launch Vehicle	Fairing Encap. Ops	Launch Site	Facility	Facility Occupancy dates	Floor space	CWA Level (K)	Add'l Clean tent	Scrubber	Asperator	Fueling Service	Prop config	SRMs (3rd stage)	RHUs	RTGs	Planetary Protection	Security at Facility	Security at Pad	Fueling support (water load)	Fueling Support Location
On-site Processing																						
FY09	Mars Science Lab (MSL)	09/15/2009	Atlas V	PHSF	CCAFS	PHSF	3/09-9/09	Large	100		x	x					x	x	x	x	PL	L-0-me
	MSL MMRTG Trailblazer	Sep-09	N/A		CCAFS	RTGF	05/08 - 06/08	Small	300k							Note 4		x				
FY12	Mars Scout 2	Dec-13	medium	PHSF	CCAFS	PHSF	8/11-11/11	Large	100		*	*	*	mono	*		*	*	*	*	Denver	L-0-me
Off-site Processing																						
FY07	Dawn	9/26/2007	Delta II H	Pad	CCAFS	ASO														x		
FY08	Glast	5/16/2008	Delta II H	Pad	CCAFS	ASO														x		
	STSS	7/16/2008	Delta II	Pad	CCAFS	ASO						x	mono							x	Note 2	
FY09	FY09 TBD Mission	10/15/2008	Delta II H	ASO	CCAFS	ASO																
	Lunar Robotic Orbiter (LRO)	8 10/28/2008	intermediate	ASO	CCAFS	ASO					x	mono							x	Note 2		
	LCROSS	8 10/28/2008	secondary	ASO	CCAFS	ASO					x	mono							x	Note 2		
	Kepler	2/16/2009	Delta II	Pad	CCAFS	ASO													x			
	Solar Dynamic Observatory (SDO)	12/1/2008	Atlas V	ASO	CCAFS	ASO					x	bi							x	Note 2	GSFC ⁶	L-0-me
FY10	ST-9	Deleted	9/1/2010	secondary	ASO	CCAFS	ASO												*			
FY11	JUNO	NEW	8/11/2011	intermediate	ASO	CCAFS	ASO				*	bi							x	*	LAZ	L-0-me
	GRAIL	NEW	9/8/2011	MC	ASO	CCAFS	ASO												x			
	Discovery 11	NEW	0/1/2011	TBD	ASO	CCAFS	ASO												*			
FY12	RBSP	NEW	3/1/2012	TBD	ASO	CCAFS	ASO												x			
	SMEX-12	NEW	4/1/2012	TBD	ASO	CCAFS	ASO												x			
	NuStar	NEW	8/15/2011	SC	ASO	CCAFS	ASO												x			
	Lunar Orbiter 2	Deleted	10/1/2011	medium	ASO	CCAFS	ASO												*			
	Lunar Robotic Lander	Deleted	10/1/2011	intermediate	ASO	CCAFS	ASO												*			
	Midex	Deleted	10/1/2012	medium	Pad	CCAFS	ASO				*	mono							*	*	GSFC ⁶	L-0-me
FY13	Discovery 12	NEW	11/1/2012	TBD	pad	CCAFS	ASO				*	bi							x			
	TDRS-K	NEW	4/15/2012	TBD	ASO	CCAFS	ASO												x			

Historical On-site Processing - ISS/SSP

FREESTAR (STS-107)	3	Jan-03	Delta II		CCAFS	MPPF																
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Historical On-site Processing - ELV

TDRS-J	12/4/2002	intermed	x	CCAFS	SAEF-II		Large	100														
SORCE/Pegasus	1/25/2003	small		CCAFS	PHSF/ MPPF		Large	100	x (10K)					x								
SIRTF	8/25/2003	medium		CCAFS	AE		Large	100														
MER A	6/10/2003	medium		CCAFS	PHSF		Large	100					x	x					x			
MER B	7/7/2003	medium		CCAFS	PHSF		Large	100					x	x					x			
GALEX/Pegasus	4/28/2003	small		CCAFS	PHSF/ MPPF		Large	100	x (10K)					x								
Mars Recon Orbiter	Aug-05	intermed	x	CCAFS	PHSF		Large	100		x	x			x					x			
New Horizons	Jan-06	intermed	x	CCAFS	PHSF		Large	100		x	x		x	mono	x			x				
Phoenix	8/4/2007	Delta II	PHSF	CCAFS	PHSF		Large	100		x	x		Note 1	mono	x			x	x	x		

Historical Off-site Processing

Themis	2/17/2007	Delta II	Pad	CCAFS	ASO							x	mono								x	
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Notes/Footnotes:
 1 Consumable fuels only. No fueling servicing required
 2 No water load required
 3 Required Payload Canister Ops
 4 Multi Mission Radioisotope Thermal Generator (MMRTG). New design, pathfinder only. No radiation material
 5 Swales Aerospace, Beltsville, MD
 6 Spacecraft facility, GSFC
 7 Spacecraft facility, Los Angeles, CA
 8 Spacecraft fly together