

Program	Hardware Description	Customer	Launcher	Launch Date	# Units
SAFE	Flexible solar array flight demonstration	Lockheed/ NASA	STS-11	3-Feb-84	1
SOOS	Gravity gradient tubular booms	RCA Astro	Scout	various	6
Galileo	Double magnetometer masts with mid-length structure	JPL	Atlantis	18-Oct-89	1
Galileo	RPM Thermal Control Structure	JPL	Atlantis	18-Oct-89	1
Galileo	Plasma Wave Antenna	Univ. of Iowa/JPL	Atlantis	18-Oct-89	1
LACE	Three 150-ft long Coilable masts	NRL	Delta II	14-Feb-90	3
MODES	Articulated truss	McDonnell Douglas	STS-48	12-Sep-91	1
UARS	ZEPS instrument; lanyard-retractable Coilable	GE Astro	STS-48	15-Sep-91	1
EUVE	High gain antenna extension and support	Fairchild Space	Delta II	7-Jun-92	1
TSS	Articulated mast satellite staging FASTMast	Martin Marietta	STS-46	31-Jul-92	1
MODES II	Articulated truss structure for on-orbit experiments	McDonnell Douglas	STS-62	4-Mar-94	1
GGG WIND	Two Instrument Masts	Martin Marietta	Delta II	1-Nov-94	2
TSS Reflight	Articulated mast satellite staging	Martin Marietta	STS-75	2-Feb-96	1
GGG POLAR	Two instrument masts	Martin Marietta	Delta II	24-Feb-96	2
IMP	Mars lander deployable camera mast	JPL	Delta II	4-Dec-96	1

IPEX II	Non-retractable model for shuttle experiment	JPL	STS-85	7-Aug-97	1
Cassini	Interplanetary probe magnetometer mast	JPL	Titan IV	15-Oct-97	1
INDOSTAR	First STAR1-PUMA structure	CTA Space Systems	Ariane	12-Nov-97	2
Lunar Prospector	Three radially oriented instrument masts	Lockheed Martin	Athena	7-Jan-98	3
DS-1	Fresnel concentrator array in LILT	BMDO/JPL	Delta II	24-Oct-98	2
OTD	Telescoping Tubular Boom	Lockheed Martin	STS-96	27-May-99	1
TELKOM	Rigid Panel Solar Array	Orbital	Ariane 4	8-Dec-99	2
EOS-AM (Terra)	Solar array mast - nut-deployed Coilable	Lockheed Martin	Atlas II	18-Dec-99	1
SRTM	Radar interferometry antenna ADAM mast	JPL	STS-99	11-Feb-00	1
MIDEX IMAGE	Spin axis antenna deployment booms	U. Mass Lowell		25-Mar-00	2
MIDEX IMAGE	Spin Plane Dipole wire antennas	U. Mass Lowell		25-Mar-00	4
ISS(STS-97)	P6 Solar Array Deployment FASTMast	Lockheed Martin	STS-97	30-Nov-00	2
EO-1	Rigid Panel Solar Array	Swales	Delta II	21-Nov-00	1
BSAT -2A & 2B	STAR1-PUMA structure	Orbital	Ariane 5	12-Jul-01	4
NSTARc	STAR1-PUMA structure	Orbital	Ariane 5	3-Feb-02	2
PAS1 Galaxy XII	STAR1-PUMA structure	Orbital	Ariane 5	9-Apr-03	2

PAS2 Galaxy XIV	Rigid Panel Solar Array	Orbital	Ariane	13-Aug-05	2
BSAT-2C	Rigid Panel Solar Array	Orbital	Ariane 5	6-Nov-03	2
Swift	Rigid Panel Solar Array	Spectrum Astro	Delta II	8-Nov-04	2
PAS3 Galaxy XV	Rigid Panel Solar Array	Orbital	Ariane	13-Oct-05	2
GOES N	Magnetometer boom with sock	Boeing	Delta IV	24-May-06	1
MiTex	Rigid Panel Solar Array	Orbital	Delta II	21-Jun-06	2
ISS (STS-115)	P4 Solar Array Deployment	Lockheed Martin	STS-115	9-Sep-06	2
ISS (STS-115)	P3 Solar Alpha Rotary Joint	Lockheed Martin	STS-115	9-Sep-06	1
OPTUS D-1	Rigid Panel Solar Array	Orbital	Ariane 5	13-Oct-06	2
NextSat	Rigid Panel Solar Array	Ball Aerospace	Atlas 5	9-Mar-07	1
ASTRO	Rigid Panel Solar Array	Boeing Satellite Systems	Atlas 5	9-Mar-07	2
AIM	Rigid Panel Solar Array	Orbital	Pegasus XL	25-Apr-07	1
ISS (STS-117)	S4 Solar Array Deployment Mechanism	Lockheed Martin	STS-117	8-Jun-07	2
ISS (STS-117)	S3 Solar Alpha Rotary Joint	Lockheed Martin	STS-117	8-Jun-07	1
Phoenix	Flexible Substrate Array	Lockheed Martin	Delta II	4-Aug-07	2
Phoenix	Camera Boom	University of Arizona	Delta II	4-Aug-07	1
Classified	Dipole antennas		Black Brant	1-Jun-93	1

Classified	Carousel deployed mast	Lockheed Martin	Classified	1-Jun-03	1
A2100	Built & Test of Lockheed Martin design	Lockheed Martin	(Various)	1-Jun-05	0
OPTUS D-2	Rigid Panel Solar Array	Orbital	Ariane 5	5-Oct-07	2
Intelsat-11	Rigid Panel Solar Array	Orbital	Ariane 5	5-Oct-07	2
RADARSAT-2	Extendible Support Structure for SAR	MDA	Soyuz	13-Dec-07	2
Horizons 2	Rigid Panel Solar Array	Orbital	Ariane 5	21-Dec-07	2
THOR 5	Rigid Panel Solar Array	Orbital	Proton	11-Feb-08	2
Themis	Rigid Panel Solar Array	Swales - ATK	Delta II	17-Feb-07	2
MeaSat1R	Rigid Panel Solar Array	Orbital	TBD	21-Jun-09	2
C/NOFS	Rigid Panel ESD Clean Solar Array	General Dynamics	Pegasus XL	16-Apr-08	1
ISS (STS-119)	S6 Solar Array Deployment	Lockheed Martin	Shuttle	15-Mar-09	2
GOES O	Magnetometer boom with sock	Boeing	Delta IV	26-Jun-09	1
OPTUS-D3	Rigid Panel Solar Array	Orbital	Ariane 5	21-Aug-09	2
GOES P	Magnetometer with mid-length structure and sock	Boeing	Delta IV	4-Mar-10	1
AMC-5R SES-1	Rigid Panel Solar Array	Orbital	Zenit-3SLB	3-May-10	2
GPS IIF	Rigid Panel Solar Array	Boeing	Delta IV	28-May-10	12
STP-SIV	Rigid Panel Solar Array	Ball	Minotaur-4	19-Nov-10	2
KOREASAT-6	Rigid Panel Solar Array	Orbital	Ariane-5	29-Dec-10	2