

Data as of March 2014. Based on information from hostedpayload.com and updated by HPA members.

Hosted Payload Case Study	Year Flown	Payload Type	Sponsor	Operator	Manufacturer	Spacecraft	End of life	GEO, LEO, MEO
Marisat	1976	Communications	Navy	Comsat General Intelsat	Hughes Aircraft Company	Marisat-F1, Marisat-F2, Marisat-F3		GEO
Ku-band demonstrator	1980s	Communications demo	Canadian Govt	Telesat	Intelsat Astrium	Anik B		GEO
LEASAT	1984-1990	Communications	Navy	HCI PanAmSat Intelsat	Hughes Aircraft Company	LEASAT 1, LEASAT 2, LEASAT 3, LEASAT 4, LEASAT 5		
WAAS - Wide Area Augmentation System	1996	Navigation	FAA	Inmarsat	EADS Astrium	POR		
WAAS - Wide Area Augmentation System	1997	Navigation	FAA	Inmarsat		AOR-W		
X-ray imager on solar array yoke	2000	Imager	NASA/MSFC	NOAA	SSL	GOES 11/L	Ended	GEO
X-ray imager on solar array yoke	2001	Imager	NASA/MSFC	NOAA	SSL	GOES 12/M		GEO
Ka-band demonstrator	2002	Communications demo	U.S. DTH & Canadian Govt	Telesat	Lockheed Martin	Nimiq-2		GEO
Ka-band, X-band & UHF	2003	Communications	Australian Defence Force	Singtel Optus	SSL	Optus C1	In service	GEO
Cell Saver Demonstration	2004	Demo		Loral Skynet	SSL	Telstar-14		GEO
Thermal Coating Experiment	2004	Demo		Loral Skynet	SSL	Telstar-14		GEO
Radiation Dosimeter	2004	Sensor		Loral Skynet	SSL	Telstar-14		GEO
Onboard processor for Ka-band	2004	Demo	CSA	Telesat	Boeing	Anik F2		

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Meteorological Imager & Air Traffic Control	2005	Imager	Japanese Govt	MLIT /Japan Civil Aviation Bureau & Meteorological Agency	SSL	MTSAT-1R		
WAAS/GCCS	2005	Navigation	FAA	PanAmSat/Intelsat Lockheed Martin	Orbital	Galaxy 15		
Military relay terminals	2006	Communications	South Korea					
AIS demo	2008	Receiver demo	Coast Guard	Orbcomm	Orbital Sciences/Polyot/OHB	Orbcomm C3		
AIS operational	2008	Receiver	Orbcomm	Orbcomm	Orbital Sciences/Polyot/OHB	6 Orbcomm spacecraft		
CCD camera (DISH Earth Camera)	2008	Camera	EchoStar	EchoStar	SSL	EchoStar XI	HPL decommissioned in 2012 as planned	GEO
IRIS -internet router in space	2009	Router	Stratcom	Intelsat	SSL	Intelsat 14	In service	GEO
Commercially Hosted Infrared Payload (CHIRP)	2011	Wide field-of-view infrared sensor	USAF SMC	SES	Orbital Sciences (satellite), SAIC (sensor)	SES-2	Ended	
AIS Operational	2011	Receiver	exactEarth	exactEarth	COM DEV	ResourceSat-2	In service	LEO

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UHF Payload	2012	Communications	Australian Defence Force	Intelsat	Boeing	Intelsat 22		
EGNOS - European GPS Navigation Overlay System	2012 and 2014	Navigation	ESA, EC and Eurocontrol	SES	SSL	SES-5 (first EGNOS), ASTRA 5B (second EGNOS - Jan 2014)	In service	GEO
X-Band Military Communications Payload	2013	Communications		Telesat	SSL	Anik G1	In service	GEO
AIS Operational	2014 planned	Receiver	exactEarth	exactEarth	COM DEV	PAZ	In service	LEO
Aireon ADS-B Receiver	Constellation of 72 to be launched 2015-2017	Communications (Signal Receiver)	Aireon LLC	Iridium Communications	Harris	Iridium NEXT (manufactured by Thales)	Scheduled for 15-yr life	LEO
NAIS - Nationwide Automatic Identification System			US Coast Guard	Orbcomm				
GOLD-Global-scale Observations of the Limb and Disk			NASA	SES				