





Launch/Deployment	Satellite	Object	Size	Radio	Downlink	Satellite Service	Power	TNC	Protocol	Data Rate/Modulation	Downloaded	Lifetime	Antenna	Status	Updated
ELaNa-11/AFSPC-5/ ULTRASat 20 May 2015	LightSail-A	40661	3U		437.435 MHz	Amateur	1.5 W	Integrated	AX.25	9600 baud FSK		7 months	dipole	Deorbited	Apr 2016
	OptiCube (3) <sup>1</sup>	40653+	3U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Apr 2016
	AeroCube-8 (2)	40659+	1.5U	AdvRadio CC1101	915 MHz	Experimental	1.2 W			500 kbps FSK		11+ months	patch	Active	Apr 2016
	GEARRS-2	40657	3U	GlobalStar STX2	1616 MHz	Experimental	400 mW	Integrated	Proprietary	9600 baud CDMA				patch	Apr 2016
	USS Langley	40652	3U		437.475 MHz	Amateur				9600 baud FSK		0 days		DOA	Apr 2016
	BRICSat-P	40655	1.5U	Astrodev He-100 ADF7012	437.975 MHz 437.350 MHz	Amateur Amateur	300 mW 500 mW	Integrated	AX.25 APRS AX.25	1200 baud AFSK 2.5 kHz PSK-31		1 month	monopole monopole	Dead	Apr 2016
P-SAT	40654	1.5U	Byonics MTT4B ADF7012	145.825 MHz 435.350 MHz	Amateur Amateur	300 mW 500 mW	Integrated	AX.25 APRS AX.25	1200 baud AFSK 2.5 kHz PSK-31		11+ months	monopole monopole	Alive	Apr 2016	
PSLV-C28 10 July 2015	DeOrbitSail	40719	3U		145.975 MHz	Amateur			AX.25	1200 baud BPSK		9+ months	monopole	Alive	Apr 2016
CRS-6/ISS 13 July 2015	Arkyd-3-Reflight	40742	3U	Microhard MHX-2420	2.4 GHz	Experimental	1 W	Integrated	Proprietary FHSS	19.2 kbps		9+ months	microstrip	Active	Apr 2016
	Flock-1e (14)		3U+	D3-400-T D3-8200-T	401.3 MHz 8.2 GHz	Earth exploration Earth exploration	1.6 W 3 W		IP over DVB-S2	100 Mbps			monopole patch/helix	Active	Apr 2016
	Centennial-1	40743	1U	Astrodev He-100	437.615 MHz	Experimental	3 W	Integrated	AX.25	1200 baud GFSK			Monopole	Active	Apr 2016
HTV-5/ISS <sup>2</sup> 17 Sept 2015	SERPENS	40897	3U		437.365 MHz	Amateur			CSP	1200 baud MSK				Deorbited	Apr 2016
	S-CUBE	40898	3U												Apr 2016
Long March 6 19 Sept 2015	NUDT-PhoneSat	40900	3U												Apr 2016
Long March 11 25 Sept 2015	Tianwang-1A	40926	2U	NanoCom AX100	435.645 MHz				CSP	4800/9600 baud GMSK					Apr 2016
	Tianwang-1B	40927	2U	NanoCom AX100	437.645 MHz				CSP	4800/9600 baud GMSK					Apr 2016
	Tianwang-1C	40928	3U	NanoCom AX100	435.645 MHz				CSP	4800/9600 baud GMSK					Apr 2016
PSLV-C30 28 Sept 2015	Remur-2 (4)	40932+	3U	AstroDev Li-1	401 MHz 2.02 GHz	Space operation Earth exploration	1 W 2 W	Integrated	AX.25	9600 baud MSK 1 Mbps QPSK		7+ months	turnstile patch	Alive	Apr 2016
HTV-5/ISS <sup>2</sup> 5 Oct 2015	AAUSAT5	40948	1U	ADF7021/AWT6388	437.425 MHz	Amateur	1 W		CSP	4800 bps GMSK/30 WPM CW		6 months	dipole	Deorbited	Apr 2016
	GOMX-3	40949	3U	NanoCom AX100 Syrlinks HDR-TM	437.250 MHz 8.1 GHz	Amateur Earth Exploration	1 W 2W	Integrated Integrated	CSP	1200-9600 baud GMSK 50 Mbps		6+ months	turnstile patch	Alive	Apr 2016
	Flock-2b (12) <sup>3</sup>	40950+	3U+	D3-400-T D3-8200-T	401.3 MHz 8.2 GHz	Earth exploration Earth exploration	1.6 W 3 W	CC1110	Proprietary IP over DVB-S2	4800 baud GMSK 80 Mbps		6+ months	monopole patch/helix	Active	Apr 2016
NROL-55/GRACE/ ELaNa-12 8 Oct 2015	AeroCube-5c	40965	1.5U	Freewave FGRM AdvRadio	915 MHz 915 MHz	Experimental Experimental	1.3 W	Integrated	Proprietary	500 kbps FSK		6+ months	patch patch	Alive	Apr 2016
	AeroCube-7A/OCSD	40966	1.5U	Freewave FGRM SDRadio Laser	915 MHz 915 MHz 1064 nm	Experimental Experimental N/A	1.3 W 6 W	Integrated	Proprietary	500 kbps FSK 40 Mbps FM		6+ months	patch patch patch	Alive	Apr 2016
	Fox-1A	40967	1U	FM Transponder	145.980 MHz	Amateur	800 mW	N/A	N/A	9600 baud		6+ months	dipole	Active	Apr 2016
	BisonSat	40968	1U	Astrodev He-100	437.375 MHz	Amateur	1 W	MSP430	AX.25	9600 baud		6+ months	dipole	Active	Apr 2016
	ARCI	40969	1U	CC1101	437.565 MHz	Amateur	1 W	Integrated	AX.25	9600 baud FSK		0 days	monopole	DOA	Apr 2016
	SNAP-3 (3)	40970+	3U												
	LMRST-Sat	40971	3U	AstroDev He-100 Ranging transponder	462.0 MHz 8.45 GHz	Meteorological satellite Space Research	1 W 1 mW	Integrated	AX.25 N/A	9600 baud FSK N/A	N/A	0 days	dipole patch	DOA	Apr 2016
	PropCube (2)	40973+	1U									6+ months	dipole	Active	Apr 2016
SINOD-D (2)	40974+	2U									0 days	dipole	DOA	Apr 2016	
PSLV-C29 16 Dec 2015	Velox-II <sup>4</sup>	41171	6U		145.930 MHz					1200 baud BPSK					May 2016
	Galassia <sup>4</sup>	41170	2U	ADF7021	145 MHz			PIC18F47J53	AX.25	9600 baud FSK			dipole		May 2016
	Athenoxat-1	41168	3U		437.485 MHz	Amateur				2400 baud MSK					May 2016
CRS-4/ISS/AGS4 29 Jan 2016	Bevo-2 <sup>5</sup>	41314	3U	AstroDev He-100	437.325 MHz	Amateur	2.5 W	Integrated	AX.25	38.4 kbps FSK		4+ months	dipole	Alive	May 2016
Soyuz/Sentinel-1B/ VS-14 22 Apr 2016	OUFIT-1	41458	1U	ADF7021 ADF7021	145.950 MHz 145.980 MHz	Amateur Amateur	1 W 100 mW	MSP430 MSP430	AX.25 CW	9600 baud FSK/D-STAR 11 WPM	N/A	1+ months	monopole monopole	Active	May 2016
	est@r-II	41459	1U	Radiometrix	437.485 MHz	Amateur	500 mW	PIC16	AX.25	1200 baud AFSK/CW		1+ month	dipole	Active	May 2016
	AAUSAT4	41460	1U	ADF7021/AWT6388	437.425 MHz	Amateur	900 mW	AT90CAN128	CSP/CW	2400 baud FSK/30 WPM	1+ MB	1+ month	dipole	Active	May 2016
Soyuz 28 Apr 2016	SamSat-218D	41466	3U		145.870 MHz	Amateur				CW		0 days		DOA	May 2016

<sup>1</sup> Some primary and backup CubeSats were not ready for this launch, so these three optical calibration CubeSats were just mass models with different coatings on the outside.

<sup>2</sup> All satellites on these two deployments we brought to the station by the HTV-5, launched on 19 August 2015. SERPENS and S-CUBE were deployed by the J-SSOD deployer in mid September, the other satellites were deployed from the NRCSD in the beginning of October.

<sup>3</sup> Two Flock-2b satellites were stuck in a NRCSD deployer and brought back down to earth.

<sup>4</sup> The 6U Velox-II CubeSat contained a 2U deployer for Galassia.

<sup>5</sup> Bevo-2 was deployed from an ISIPod inside AggieSat-4, which was deployed from the ISS by the Space Station Integrated Kinetic Launcher for Orbital Payload Systems (SSIKLOPS).