

Launch	Satellite	Object	Size	Radio	Downlink	Satellite Service	Power	TNC	Protocol	Data Rate/Modulation	Downloaded	Lifetime	Antenna	Status	Updated	
NLS-1/Emacoket 30 June 2003	AAU1 CubeSat	27846	1U	Wood & Douglas SX450	437.475 MHz	amateur	500 mW	MX909	AX.25, Mobitex	9600 baud GMSK	1 kB	3 months	dipole	Dead	April 2013	
	DTUsat-1	27842	1U	RFMD RF2905	437.475 MHz	amateur	400 mW		AX.25	2400 baud FSK	0 <sup>1</sup>	0 days	canted turnstile	DOA	April 2013	
	CanX-1	27847	1U	Melexis	437.880 MHz	amateur	500 mW		Custom	1200 baud MSK	0 <sup>1</sup>	0 days	crossed dipoles	DOA	April 2013	
	Cute-1 (CO-55)	27844	1U	Alinco DJ-C4 (data) Maki Denki (beacon)	437.470 MHz 436.8375 MHz	amateur amateur	350 mW 100 mW		MX614 PIC16LC73A	AX.25 CW	1200 baud AFSK 50 WPM	>10 MB <sup>2</sup> N/A	118+ months	monopole	Alive	April 2013
	QuakeSat-1	27845	3U	Tekk KS-960	436.675 MHz	amateur	2 W		BayPac BP-96A	AX.25 <sup>3</sup>	9600 baud FSK	423 MB	7 months	turnstile	Dead	April 2013
SSETI Express 27 Oct 2005	XI-V (CO-57)	27848	1U	Nishi RF Lab (data) Nishi RF Lab (beacon)	437.490 MHz 436.8475 MHz	amateur amateur	1 W 80 mW		PIC16C622 PIC16C716	AX.25 CW	1200 baud AFSK 50 WPM	>11 MB <sup>2</sup> N/A	118+ months	dipole dipole	Alive	April 2013
	XI-V (CO-58)	28895	1U	Nishi RF Lab (data) Nishi RF Lab (beacon)	437.345 MHz 437.465 MHz	amateur amateur	1 W 80 mW		PIC16C622 PIC16C716	AX.25 CW	1200 baud AFSK 50 WPM	N/A	90+ months	dipole dipole	Alive	April 2013
	NCube-2	28897 <sup>4</sup>	1U		437.505 MHz	amateur			AX.25	1200 baud AFSK	0 <sup>1</sup>	0 days	monopole	DOA	April 2013	
	UWE-1	28892	1U	PR430	437.505 MHz	amateur	1 W		H8S/2674R <sup>5</sup>	AX.25	1200/9600 baud AFSK		3 weeks	end-fed dipole	Dead	April 2013
M-V-8 22 Feb 2006	Cute-1.7+APD (CO-56)	28941	2U	Alinco DJ-C5 Telemetry (beacon)	437.505 MHz 437.385 MHz	amateur amateur	300 mW 100 mW		CMX589A H8S/2328 <sup>5</sup>	AX.25/SRLL CW	1200 AFSK/9600 GMSK 50 WPM	<1 MB N/A	2.5 months	dipole dipole	Deorbited	April 2013
Minotaur-1 11 Dec 2006	GeneSat-1	29655	3U+	Microhard MHX-2400 Stensat (beacon) <sup>7</sup>	2.4 GHz 437.067 MHz	experimental amateur	1 W 500 mW		Integrated <sup>6</sup> PIC12C617	Proprietary AX.25	1200 baud AFSK	500 kB N/A	3 months	patch monopole	Deorbited	April 2013
Dugong-2 17 Apr 2007	CSTB1	31122	1U	Yaesu VX-2R	400.0375 MHz	experimental	300 mW		PIC	Proprietary	1200 baud AFSK	6.77 MB	18 months	dipole	Dead	April 2013
	AeroCube-2	31133	1U	FreeWave FGRM	915 MHz	experimental	2 W		Integrated <sup>6</sup>	Proprietary	38.4 kbaud	500 kB	1 week	patch	Dead	April 2013
	CP4	31132	1U	TI CC1000/RF2117	437.325 MHz	amateur	1 W		PIC18LF6720	AX.25	1200 baud FSK	487 kB	2 months	dipole	Dead	April 2013
	Libertad-1	31128	1U	Stensat	437.405 MHz	amateur	400 mW			AX.25	1200 baud AFSK	0 <sup>8</sup>	1 month	monopole	Dead	April 2013
	CAPE1	31130	1U	TI CC1020	435.245 MHz	amateur	1 W		PIC16LF452	AX.25	9600 baud FSK	0 <sup>9</sup>	4 months	dipole	Dead	April 2013
	CP3	31129	1U	TI CC1000/RF2117	436.845 MHz	experimental	1 W		PIC18LF6720	AX.25	1200 baud FSK	2.0 MB <sup>2</sup>	19+ months	dipole	Dead	April 2013
NLS-4/PSLV-C9 28 Apr 2008	MAST <sup>10</sup>	31126	3U	Microhard MHX-2400	2.4 GHz	experimental	1 W		Integrated <sup>6</sup>	Proprietary	15 kbps	>2 MB	0.75 months	monopole	Dead	April 2013
	Delphi-C3 (DO-64)	32789	3U	Custom (transponder) Custom (beacon)	145.9-435.55 MHz 145.870 MHz	amateur amateur	200 mW 400 mW		N/A PIC18LF4680	Linear AX.25	40 kHz wide 1200 baud BPSK	N/A 60 MB <sup>11</sup>	60+ months	turnstile turnstile	Alive	April 2013
	Seeds-2 (CO-66)	32791	1U	Musashino Electric (data) Musashino Electric (beacon)	437.485 MHz 437.485 MHz	amateur amateur	450 mW 90 mW			AX.25 CW	1200 baud AFSK	500 kB <sup>2</sup> N/A	60+ months	monopole monopole	Alive	April 2013
	CanX-2	32790	3U	Custom S-Band	2.2 GHz	space research	500 mW		Integrated	NSP	16-256kbps BPSK	250 MB	60+ months	patch	Active	April 2013
	AAUSAT-II	32788	1U	Holger Eckhardt (DF2FQ)	437.425 MHz	amateur	610 mW		PIC18LF6680	AX.25	1200 baud MSK	8 MB <sup>12</sup>	60+ months	dipole	Alive	April 2013
Minotaur-1 19 May 2009	Compass-1	32787	1U	Holger Eckhardt (data) BC549 (beacon)	437.405 MHz 437.275 MHz	amateur amateur	300 mW 200 mW		C8051F123, FX614 PIC12F629	AX.25 CW	1200 baud AFSK/MSK 15 WPM	<1 MB <sup>2</sup> N/A	60+ months	dipole dipole	Alive	April 2013
	AeroCube-3	35005	1U	FreeWave FGRM	915 MHz	experimental	2 W		Integrated	Proprietary	77 kbaud GFSK	52 MB	7 months	patch	Deorbited	April 2013
	CP6	35003	1U	CC1000/RF2117	437.365 MHz	amateur	1 W		PIC18LF6720	AX.25	1200 baud FSK		4 months	dipole	Deorbited	April 2013
	HawkSat-1	35004	1U	Microhard MHX-425	437.345 MHz	amateur	1 W		Integrated	Proprietary		0 kB	0 days	monopole	DOA	April 2013
ISLLaunch 01/ PSLV-C14 23 Sep 2009	PharmaSat	35002	3U+	Microhard MHX-2400 Stensat (beacon) <sup>7</sup>	2.4 GHz 437.465 MHz	experimental amateur	1 W 500 mW		Integrated Integrated	Proprietary AX.25	10 kbps 1200 baud AFSK	650 kB N/A	10 days 1 month	patch monopole	Deorbited	April 2013
	BESAT-1	35933	1U	STE BK-77B	436.000 MHz	amateur <sup>13</sup>	500 mW		CMX909B	Mobitex	4800/9600 baud GMSK		43+ months	monopole	Alive	April 2013
	UWE-2	35934	1U	Custom	437.385 MHz	amateur				AX.25	1200 baud AFSK		1 week	dipole	Dead	April 2013
	ITUpSAT-1	35935	1U	Microhard MHX-425 BeeLine/CC1050	437.325 MHz 437.325 MHz	amateur amateur	1 W 350 mW		Integrated	Proprietary CW	19200 baud	0 kB <sup>8</sup> N/A	43+ months	dipole monopole	Alive	April 2013
H-IIA F17 20 May 2010	SwissCube	35932	1U	Butler oscillator/RF5110G RF2516 (beacon)	437.505 MHz 437.505 MHz	amateur amateur	1 W 100 mW		MSP430F1611 Integrated	AX.25 CW	1200 baud FSK 10 WPM	6 MB N/A	43+ months	monopole monopole	Active	April 2013
	Hayato	36573	1U	Custom	13.275 GHz	Earth exploration	100 mW		Integrated		10 kbps/1 Mbps BPSK	0 kB <sup>8</sup>	18 days	patch	Deorbited	April 2013
	Waseca-SAT2	36574	1U	TXE430-301A	437.485 MHz	amateur	150 mW		H8/3052F <sup>5</sup>	AX.25	9600 baud FSK	0 kB	0 days	monopole	DOA	April 2013
NLS-6/ PSLV-C15 12 July 2010	Negai-Star	36575	1U	TXE430-301A (beacon) Data Beacon Radio	437.485 MHz 437.305 MHz 437.305 MHz	amateur amateur amateur	100 mW 150 mW 100 mW		H8/3052F <sup>5</sup> CW CW	AX.25 AX.25 CW	1200 baud FSK 50 WPM	N/A	1 month	dipole dipole	Deorbited	April 2013
	TIsat-1	36799	1U	Alinco DJ-C6 CC1010	437.305 MHz 437.305 MHz	amateur amateur	500 mW 400 mW		MSP430F169 MSP430F169	AX.25 CW	1200 baud AFSK 15-110 WPM	N/A	33+ months	monopole monopole	Active	April 2013
	StudSat	36796	1U	CC1020 MAX1472 (beacon)	437.505 MHz 437.860 MHz	amateur amateur	500 mW 10 mW		UC3A0512 <sup>5</sup> UC3A0512 <sup>5</sup>	Custom AX.25 CW	4800 baud FSK 22 WPM	0 kB <sup>8</sup> N/A	5 days	monopole monopole	Dead	April 2013
STP-S26 19 Nov 2010	RAX-1	37223	3U	Lithium-1	437.505 MHz	amateur	750 mW		Integrated	AX.25	9600 baud GMSK	4.8 MB	2 months	turnstile	Dead	April 2013
	O/OREOS	37224	3U+	Microhard MHX-2400 Stensat (beacon) <sup>7</sup>	2.4 GHz 437.305 MHz	experimental amateur	1 W 500 mW		Integrated Integrated	Proprietary AX.25	Variable 1200 baud AFSK	8 MB N/A	29+ months	patch monopole	Alive	April 2013
	NanoSail-D2	37361	3U+	Microhard MHX-2400 Stensat (beacon) <sup>7</sup>	2.4 GHz 437.270 MHz	experimental amateur	1 W 500 mW		Integrated Integrated	Proprietary AX.25	Variable 1200 baud AFSK	N/A	5 days <sup>14</sup>	patch monopole	Deorbited	April 2013
Falcon 9-002 8 Dec 2010	Perseus (4)	37251	1.5U		437.505 MHz	government							1 month	dipole	Deorbited	April 2013
	QbX (2)	37249	3U	TTC	450 MHz	government	1 W				9600 baud GMSK		1 month	quadrafil helix	Deorbited	April 2013
	SMDC-ONE	37246	3U	Pericle	UHF	government							1 month	turnstile	Deorbited	April 2013
	Mayflower	37252	3U	Microhard MHX-425 Stensat (beacon) <sup>7</sup>	437.000 MHz 437.600 MHz	unlicensed unlicensed	1 W 1 W		Integrated Integrated	Proprietary AX.25	Variable 1200 baud AFSK	0 kB <sup>8</sup> N/A	2 days	dipole	Deorbited	April 2013
PSLV-C18 12 Oct 2011	Jugnu	37839	3U	CC1070/RF5110G MAX1472 (beacon)	437.505 MHz 437.505 MHz	amateur amateur	1 W 10 mW		AX.25 CW	2400 baud FSK 20 WPM	N/A	18+ months	monopole monopole	Alive	April 2013	
ELANa-3/ NPP 28 Oct 2011	AubieSat-1	37854	1U	Melexis TH72011	437.475 MHz	amateur	800 mW		ATmega1281 <sup>5</sup>	CW	20 WPM	0 kB	22+ months	dipole	Alive	April 2013
	DICE (2)	37851	1.5U	L3 Cadet	465 MHz	meteorological	1 W		Integrated	Proprietary	2.6 Mbps OQPSK	8.4 GB	20 months	dipole	Dead	Aug 2013
	HRBE	37855	1U	CC1000	437.505 MHz	amateur	850 mW		AX.25	AX.25	1200 baud FSK	11	22+ months	monopole	Active	Aug 2013
	M-Cubed	37855	1U	Lithium-1	437.485 MHz	amateur	1 W		Integrated	AX.25	1200 baud FSK	0 kB <sup>8</sup>	22+ months	monopole	Alive	April 2013
	RAX-2	37853	3U	Lithium-1	437.345 MHz	amateur	1 W		Integrated	AX.25	9600 baud GMSK	242 MB	18 months	turnstile	Dead	Aug 2013
Vega VV01 13 Feb 2012	Xatcoebo	38082	1U	GomSpace U482C	437.365 MHz	amateur	500 mW		Integrated	AX.25/CW	1200 baud MSK/20 WPM		18+ months	turnstile	Active	Aug 2013
	ROBUSTA		1U	MC12181/MAX2608	437.325 MHz	amateur	800 mW		PIC18F4580 <sup>9</sup>	AX.25	1200 baud AFSK	0 kB <sup>15</sup>	2 days	dipole	Dead	April 2013
	e-st@r	38079	1U	BHX2-437-5	437.445 MHz	amateur	500 mW		PIC16	AX.25	1200 baud AFSK	0 kB <sup>8</sup>	3 days	dipole	Dead	April 2013
	Goliat	38085	1U	Alinco DJ-C7 Microhard MHX-2420	437.485 MHz 2.4 GHz	amateur	500 mW 1 W		FX614/MSP430 Integrated	AX.25/CW Proprietary	1200 baud AFSK/20 WPM Variable	0 kB <sup>15</sup>	1 week	monopole patch	Dead	April 2013
	PW-Sat	38083	1U	ISIS TRXUV	145.900 MHz	amateur	200 mW		Integrated	AX.25/CW	1200 baud BPSK/12 WPM		10 months	dipole	Dead	April 2013
	Masat-1	38081	1U	Si4432	437.345 MHz	amateur	100/400 mW		dsPIC33F <sup>5</sup>	Custom/CW	GFSK/120 CPM	305 MB	18+ months	monopole	Active	Aug 2013
	UniCubeSat-GG		1U	AstroDev Custom	437.305 MHz	amateur	500 mW		Integrated	AX.25/CW	9600 baud GFSK	0 kB <sup>8</sup>	2 days	dipole	Dead	April 2013
ELANa-6/NROOL-36 13 Sep 2012	SMDC-ONE (2)	38766	3U	Pericle	UHF	government							1 month	turnstile	Alive	April 2013
	AeroCube-4 (3)	38767	1U	FreeWave MM2 CC1101	915 MHz 915 MHz	experimental experimental	2 W 1.3 W		Integrated Integrated	Proprietary Proprietary	38.4 kbaud 500 kbps FSK		8+ months	patch patch	Active	April 2013
	Aeneas	38760	3U	MHX-425 Stensat (beacon) <sup>7</sup>	437.000 MHz 437.600 MHz	experimental amateur	1 W 1 W		Integrated Integrated	Proprietary AX.25	Variable 1200 baud FSK	N/A	8+ months	monopole monopole	Alive	April 2013
	CSSWE	38761	3U	Lithium-1	437.345 MHz	experimental	1 W		Integrated	AX.25	9600 baud GFSK	60 MB	12+ months	monopole	Active	April 2013
	CP5	38763	1U	CC1000/RF2117	437.405 MHz	amateur	500 mW		PIC18LF6720	AX.25	1200 baud FSK	500 kB	4 months	dipole	Dead	April 2013
	CXBN	38762	2U	Lithium-1	437.525 MHz	amateur	1 W		Integrated	AX.25	9600 baud GFSK		8+ months	turnstile	Active	April 2013
	CINEMA	38764	3U	Embiser	2200 MHz	space research	1 W		FPGA	Proprietary	1 Mbps FSK		8+ months	patch	Active	April 2013
	Re	38765	3U	Helium-100	915 MHz	government	1 W		Integrated	AX.25	57.6 kbps FSK	0 kB	0 days	dipole	DOA	Aug 2013
HTV-3/ISS 4 Oct 2012	FITSat-1	38853	1U	High-speed Custom Custom (data) Custom (beacon)	5.84 GHz 437.445 MHz 437.250 MHz	amateur amateur amateur	2 W 10 mW		PIC16F886 PIC16F1519 PIC16F1519	AX.25 						



Launch	Satellite	Object	Size	Radio	Downlink	Satellite Service	Power	TNC	Protocol	Data Rate/Modulation	Downloaded	Lifetime	Antenna	Status	Updated	
HTV-4/ISS 19 Nov 2013	ArduSat-1	39413	1U	NanoCom U482C	437.000 MHz	Experimental	1 W	NanoMind A712D <sup>1</sup>	CSP	9600 baud FM-MSK/20 WPM CW		2+ months	turnstile	Alive	Dec 2013	
	ArduSat-X	39414	1U	NanoCom U482C	437.000 MHz	Experimental	1 W	NanoMind A712D <sup>1</sup>	CSP	9600 baud FM-MSK/20 WPM CW		2+ months	turnstile	Alive	Dec 2013	
	Pico Dragon	39412	1U	(data) (beacon)	437.365 MHz 437.250 MHz	Amateur Amateur	800 mW 100 mW		AX.25 CW	1200 baud AFSK		1 month	monopole monopole	Alive	Dec 2013	
	TechEdSat-3P	39415	3U	Stensat (beacon) Iridium Q9602	437.465 MHz 1616 MHz	Experimental Experimental	1 W 1 W	Integrated Integrated	AX.25 Proprietary	1200 baud AFSK	N/A	1 month	monopole patch			
ORS-3/ELaNa-4 20 Nov 2013	COPPER		1U	AstroDev He-100	437.290 MHz	Experimental	1 W	Integrated	AX.25	9600 baud FSK			dipole	DOA	Jan 2014	
	TJ3Sat		1U	Stensat	437.320 MHz	Experimental	1 W	Integrated	AX.25, CW	1200 baud AFSK					Dec 2013	
	Vermont Lunar Cube	39380	1U	Helium-100	437.305 MHz	Experimental	1.5 W	Integrated	AX.25	9600 baud FSK		1+ month	Crossed Dipoles	Alive	Jan 2014	
	SwampSat		1U		437.385 MHz	Experimental	1 W		AX.25	9600 baud FSK					Jan 2014	
	CAPE-2 (LO-75)	39382	1U	CC1101	437.325 MHz	Experimental	1 W	Integrated	TI	9600 baud FSK		1+ month		Alive	July 2014	
	Ho'oponopono-2		3U	RadioMetrix Parrot repeater Microhard MHX-2420 AstroDev Ne-1 (beacon)	145.825 MHz 2.4 GHz 437.220 MHz	Experimental Experimental Experimental	1 W 1 W 1 W	Integrated dsPIC33F	Parrot repeater Proprietary	FM 57.6 kbps	N/A		patch monopole	DOA	Jan 2014	
	PhoneSat-v2.4		1U	StenSat	437.425 MHz	Experimental	1 W	Integrated	AX.25	1200 baud AFSK				monopole	Alive	Jan 2014
	Traillblazer		1U	AstroDev He-100	437.425 MHz	Experimental	1 W	Integrated	AX.25	9600 baud FSK				turnstile	DOA	Jan 2014
	DragonSat-1		1U	AstroDev He-100	145.870 MHz	Experimental	500 mW	Integrated	AX.25	9600 baud FSK				monopole	DOA	Jan 2014
	KySat-2	39384	1U	AstroDev Li-1	437.405 MHz	Experimental	1.5 W	Integrated	AX.25	9600 baud FSK		1+ month		turnstile	Alive	Jan 2014
	ChargerSat-1		1U	CC1100	437.405 MHz	Experimental	1 W			9600 baud FSK				dipole	DOA	Dec 2013
	NPS-SCAT		1U	Microhard MHX-2400 CC1000 (beacon) <sup>2</sup>	2.4 GHz 437.525 MHz	Experimental Experimental	1 W 1 W	Integrated Integrated	Proprietary AX.25	1200 baud FSK	N/A			patch dipole	Alive	Jan 2014
	Black Knight 1		1U	MHX-425	437.345 MHz	Experimental	1 W	Integrated	Proprietary							
	ORS A		3U						Government							
	ORS B (2)		3U						Government							
Prometheus (8)		1.5U						Government								
SENSE (2)		3U		Innoflight SCR-100	2.2 GHz	Government							patch	Alive	Dec 2013	
FireFly	39404	3U		L-3 Cadet	425 MHz	Government	1 W	Integrated	Proprietary	QPSK			dipole	Alive	Jan 2014	
Horus		3U		AstroDev	915 MHz	Government							patch	DOA	Dec 2013	
ISLLaunch-03/Dnepr 21 Nov 2013	FUNcube-1	39443	1U	AMSAT	145.936 MHz	Amateur	300 mW	N/A		1200 baud BPSK	70 MB+	2+ months	dipole	Active	Jan 2014	
	ZACube-1	39417	1U	Custom	437.345 MHz	Amateur			AX.25	1200 baud AFSK/9600 baud FSK		2+ months	dipole	Alive	Jan 2014	
	HiNcube	39445	1U		437.305 MHz	Amateur			AX.25	9600 baud GMSK				DOA	Jan 2014	
	First-MOVE	39438	1U	ISIS TRXUV	145.970 MHz	Amateur	230 mW	Integrated	AX.25	1200 baud BPSK		2+ months	dipole	Alive	Jan 2014	
	UWE-3	39446	1U		437.385 MHz	Amateur			AX.25	9600 baud FSK		2+ months		Alive	Jan 2014	
	Velox-PII	39438	1U	ISIS?	145.980 MHz	Amateur	230 mW	Integrated	AX.25	1200 baud BPSK		2+ months		Alive	Jan 2014	
	NEE-02 KRYSAOR	39441	1U		980 MHz											
	CubeBug-2	39440	2U	AstroDev Li-1	437.445 MHz	Amateur	1 W	Integrated	AX.25	1200/9600 baud AFSK/GFSK		2+ months	turnstile	Alive	Jan 2014	
	KHUSAT (2)		3U	Emhiser	2.2 GHz	Space Research	1 W	FPGA	Proprietary	1 Mbps FSK		2+ months	patch	Alive	Jan 2014	
	TRITON-1	39427	3U	ISIS TRXUV	145.815 MHz	Amateur	230 mW	Integrated	AX.25	9600 baud BPSK		2+ months	dipole	Alive	Jan 2014	
	Delif-nxt	39420	3U	ISIS TRXUV	145.900 MHz	Amateur	230 mW	Integrated	AX.25	9600 baud BPSK		2+ months	dipole	Alive	Feb 2014	
					ISIS Custom	2.405 GHz	Amateur	125 mW			20-500 kbps MSK			patch		
	OPTOS		3U		402 MHz	Earth-exploration										
	Dove-3	39429	3U+		D3-400-T D3-8200-T	401.3 MHz 8.1 GHz	Experimental Experimental	1.6 W 3 W		IP over DVB-S2				monopole patch	Active	Jan 2014
	PUCP-SAT-1 <sup>3</sup>		1U	Telemetry Beacon	145.840 MHz 437.200 MHz	Amateur Amateur	1.5 W 10 mW		AX.25 CW	1200 baud AFSK 12 WPM	N/A			dipole dipole	Jan 2014 Jan 2014	
ICUBE-1 <sup>3</sup>		1U	ISIS TRXUV	145.947 MHz	Amateur	230 mW	Integrated	AX.25	1200 baud BPSK							
HumSAT-D <sup>4</sup>	39433	1U	NanoCom U482C	437.325 MHz	Amateur	500 mW		CSP/CW	1200 baud MSK		2+ months	turnstile	Active	Jan 2014		
Dove-4 <sup>4</sup>		3U+		D3-400-T D3-8200-T	401.3 MHz 8.1 GHz	Experimental Experimental	1.6 W 3 W		IP over DVB-S2				monopole patch	Active	Jan 2014	
NROL-39/ELaNa-2 5 Dec 2013	IPEX	13-072C	1U		437.270 MHz	Experimental	1 W		AX.25	9600 baud FSK		2+ months	dipole	Active	Jan 2014	
	MCubed-2	13-072J	1U	AstroDev Li-1	437.485 MHz	Experimental	1 W		AX.25	9600 baud GMSK		2+ months	monopole	Active	Jan 2014	
	CUNYSAT-1		1U		437.505 MHz	Experimental	1.2 W									
	FIREBIRD (2)		1.5U		437.405 MHz	Experimental	1 W				27+ MB	2+ months	dipole	Active/DOA	Jan 2014	
	Alice		3U													
	AeroCube-5 (2)		1.5U	FreeWave FGRM CC1101	915 MHz 915 MHz	Experimental experimental	1.3 W	Integrated	Proprietary	500 kbps FSK				patch		
	SMDC-ONE (2)		3U						Government							
TacSat-6		3U						Government								
SNAP		3U						Government								
Osb-1/ISS 11-28 Feb 2014	Flock-1 (28)	39513	3U+		D3-400-T D3-8200-T	401.3 MHz 8.1 GHz	Earth exploration Earth exploration	1.6 W 3 W		IP over DVB-S2			monopole patch	Active	Feb 2014	
	UAPSAT		1U		437.385 MHz	Amateur			AX.25				turnstile			
	ArduSat-2		2U	AstroDev Li-1 AstroDev Beryllium	400 MHz 2.4 GHz	Experimental Experimental	2 W 2.3 W						turnstile patch	DOA	Apr 2014	
	SkyCube		1U	AstroDev C2	915 MHz	Government			AX.25	57.6 kbps				dipole	Dead	Apr 2014
	LitSat-1		1U		145.850 MHz	Amateur			AX.25							
H-IIA/GPM 27 Feb 2014	INVADER (CO-77)	39578	1U	Custom Beacon	437.200 MHz 437.325 MHz	Amateur Amateur	800 mW 100 mW		AX.25 CW	1200 baud AFSK	N/A	2+ months	dipole dipole	Active	Apr 2014	
	KSAT-2	39573	1U	S-band Ku-band												
	OPUSAT	39575	1U	Custom	437.150 MHz	Amateur			CW/AX.25	1200 baud AFSK/9600 baud GMSK		2+ months		Alive	Apr 2014	
CRS-3/ ELaNa-5 18 Apr 2014	SporeSat		3U	StenSat	437.100 MHz		1 W	Integrated	AX.25	1200 baud AFSK			monopole	Deorbited	Aug 2014	
	TSAT		2U	GlobalStar simplex STX2	1.6 GHz	Experimental <sup>4</sup>	200 mW	PIC18F2620	Proprietary	36bytes/sec	Slide		Patch	Deorbited	Aug 2014	
	PhoneSat-v2.5		1U		437.425 MHz				AX.25	1200 baud AFSK			monopole	Deorbited	Aug 2014	
	ALL-STAR		3U	Custom SDR	2401.7 MHz	Experimental								Deorbited	Aug 2014	
	KickSat	39681	3U		437.505 MHz		1 W		AX.25	1200 baud AFSK				Deorbited	Aug 2014	
ISLLaunch-07/Dnepr 19 June 2014	AntelSat <sup>5</sup>	40034	2U	Custom (beacon) Custom (downlink) Custom (downlink)	437.280 MHz 437.575 MHz 2403 MHz	Amateur Amateur Amateur	200 mW 1W 1W		CW AX.25 AX.25	1200 baud FSK/AFSK 500 kbps GFSK	N/A		1.5 months monopole patch	Alive	Aug 2014	
	AeroCube-6 <sup>6</sup> (2)	40045	0.5U	CC1101	915 MHz	experimental	1.3 W	Integrated	Proprietary	500 kbps FSK		1.5 months	patch		Aug 2014	
	LEMUR-1 <sup>5</sup>	40044	3U	AstroDev Lithium	402 MHz	Experimental	2 W	Integrated								
	TigriSat <sup>6</sup>	40043	3U													
	Flock-1 (11)		3U+		D3-400-T D3-8200-T	401.3 MHz 8.1 GHz	Earth exploration Earth exploration	1.6 W 3 W		IP over DVB-S2	40 Mbps		1.5 months	monopole patch/helix	Active	Aug 2014
	Perseus (2)	40039	6U	AstroDev Lithium Custom transmitter	401 MHz 26.8 GHz	Experimental Experimental	1 W 500 mW	Integrated Integrated	AX.25 DVB-S2	40 Mbps		1.5 months	Monopole Horn	Alive	Aug 2014	
	QB50P1	40025	2U	ISIS TRXUV FUNcube-3	145.815 MHz 145.950 MHz	Amateur Amateur	200 mW 400 mW	Integrated	CW/AX.25	15 WPM/1200 baud BPSK Linear transponder		1.5 months	dipole dipole	Alive	Aug 2014	
	QB50P2	40032	2U	ISIS TRXUV AMSAT-Francophone	145.880 MHz 145.940 MHz	Amateur Amateur	200 mW	Integrated	CW/AX.25 FX25	15 WPM/1200 baud BPSK 9600 bps FSK		1.5 months	dipole dipole	Alive	Aug 2014	
	DTUSat-2	40030	1U	Custom	2.401 GHz	Amateur	220 mW		CW/FSK							
	PolyTAN-1	40042	1U		437.675 MHz	Amateur	600 mW		CW/AX.25	9600 baud FSK		1.5 months	dipole	Alive	Aug 2014	
	Duchifat-1	40021	1U	ISIS TRXUV	145.980 MHz	Amateur	200 mW	Integrated	CW/AX.25	15 WPM/1200 baud BPSK		1.5 months	dipole	Alive	Aug 2014	
	NanoSatC-Br 1	40024	1U	ISIS TRXUV	145.865 MHz	Amateur	200 mW	Integrated	CW/AX.25	15 WPM/1200 baud BPSK		1.5 months	dipole	Alive	Aug 2014	
PACE	40022	2U		437.485 MHz	Amateur	1 W		CW/AX.25	15 WPM/1200 baud FSK				dipole			
POPSAT-HIP-1	40028	3U		437.405 MHz	Amateur				CCSDS							
PSLV-C23	VELOX-1	40057	3U	ISIS TRXUV	145.980 MHz	Amateur	200 mW	Integrated	AX.25	1200 baud BPSK				Alive	Aug 2014	
30 June 2014 Soyuz-2 8 July 2014	UKube-1	40074	3U	ISIS TRXUV FUNcube-2 CS-CPUT-STX-01	145.840 MHz 145.915 MHz 2.401 GHz	Amateur Amateur Amateur	200 mW 300 mW 1 W	Integrated	AX.25	1200 baud BPSK 1200 baud BPSK 2 Mbps QPSK		1 month	dipole dipole patch	Alive	Aug 2014	

<sup>1</sup> This is the main spacecraft processor.  
<sup>2</sup> This beacon was built by Cal Poly based on CP2/3/6 heritage.  
<sup>3</sup> These satellites were deployed from UniSat-5.  
<sup>4</sup> TSAT used Mobile Satellite Service (ground to satellite) frequencies for inter-satellite communications, requiring an experimental license.  
<sup>5</sup> These CubeSats were deployed from UniSat-6 from a Cal Poly P-POD.  
<sup>6</sup> This satellite was deployed from UniSat-6 from a PEPPOD.