

## Spacecrafts launched in

2022

## Ruimtetuigen gelanceerd in

ID	Date	Payload(s)	Vehicle	Site	Country sat., Type
2022-001	06.01.2022	Starlink v1.5 G4-5-1/49 Umbra 02 (Transporter 3) Capella 7/8 ICEYE X14,X16 Sich 2-1 ION-SCV 004 Dodona (La Jument 2, GSKy 1) Stork 1/2 LabSat SWIFT VZLUSAT 2 ETV A1 BRO 5 HYPSON 1 Kepler 16/19 OroraTech 1 Flock-4x 1/44 (DOVE x) Lemur-2 146/149 DEWA-Sat 1	Falcon-9 v1.2 (Block 5)	CC, SLC-39A	US, Comsat US, Earth obs US, Earth obs Finland, Earth obs Ukraine, Earth obs Italy, Sat. depl. US, Techn Poland, Earth obs Poland, Techn Poland, Techn Czech Rep, Techn UK, Earth obs France, spectrum mon. Norway, Techn Canada, Comsat Germany, Earth obs US, Techn US, Earth obs UAE, Techn
2022-002	13.01.2022	NuX 1 IRIS A MDASat 1a/1c Gossamer Piccolomini Tevel 1/8 Challenger Delfi-PQ 1 Unicorn 2A,2D,2E FossaSat 2E1/2E6 MDQube-SAT 1 SATLA 2A/B Unicorn 1 EASAT 2 HADES Grizu-263a PION-BR 1 SanoSat 1 Tartan-Artibeus 1 USA 320/323 PAN A/B GEARRS 3	Falcon-9 v1.2 (B15)	CC, SLC-40	Singapore, Techn Taiwan, Earth science S.Africa, Techn US, Techn Israel, Science Nepal, Techn Netherlands, Techn UK, Techn Spain, Techn Argentina, Techn Israel, Techn UK, Techn; Spain, Techn Spain, Techn Turkey, Techn Brazil, Techn Nepal, Techn US, Techn US, Techn US, Techn
2022-003	13.01.2022	TechEdSat 13 ADLER 1 STORK 3 SteamSat 2	LauncherOne	Mo, RW12/30	US, Techn Austria, Techn Poland, Earth obs UK, Techn
2022-004	16.01.2022	<a href="#">Shiyun-13</a>	CZ-2D	Ty, LC-9	China, Technology
2022-005	19.01.2022	Starlink v1.5 G4-6-1/49	<a href="#">Falcon-9 v1.2</a> (Block 5)	CCK, SLC-39A	US, Comsat

2022-006	21.01.2022	GSSAP 5 & 6 (USSF-8)	Atlas V/511	CC, SLC-41	US, Space surv
2022-007	26.01.2022	L-SAR 01A (Ludi Tance 1-01A)	CZ-4C	Jq, LC-43/94	China, Earth obs
2022-008	31.01.2022	CSG 2	Falcon-9 v1.2	CC, SLC-40	Italy, Earth obs
2022-009	02.02.2022	USA 326 (NROL 87)	Falcon-9 v1.2	Va, SLC-4E	US,
2022-010	03.02.2022	Starlink v1.5 G4-7-1/49	Falcon-9 v1.2	CCK, SLC-39A	US, Comsat
2022-011	05.02.2022	Cosmos 2553 (Neutron #1)	Soyuz-2.1a Fregat	PL, LC-43/4	Russia, Rec
2022-012	10.02.2022	OneWeb L13 1/34	Soyuz ST-B Fregat-M	Ko, ELS	UK, Comsat
2022-F01	10.02.2022	BAMA 1 INCA QubeSat R5-S1	Astra Rocket-3 3	CC, SLC-46	US, Techn US, Ionospheric US, Radio astr. US, Sat inspector
2022-013	14.02.2022	RISAT 1A (EOS 04) INS 2TD INSPIREsat 1	PSLV-XL	Sr, FLP	India, Earth obs India, Earth obs India, Techn
2022-014	15.02.2022	Progress MS-19 (N°449) YuZGU-55 5/8 YuZGU-55 10	Soyuz-2-1a	Baik, LC-31/6	Russia, ISS Cargo Russia, Techn
2022-015	19.02.2022	Cygnus CRS-17 (NG-17, SS Piers Sellers)) KITSUNE (*) NACHOS (*)	Antares 230+	WI, LA-0A	US, ISS cargo Japan, Tech US, Techn
2022-016	21.02.2022	Starlink v1.5 G4-8-1/46	Falcon-9 v1.2	CCK, SLC-40	US, Comsat
2022-017	25.02.2022	Starlink v1.5 G4-11-1/50	Falcon-9 v1.2	Va, SLC-4E	US, Comsat
2022-018	26.02.2022	Ludi Tance 1-01B Jilin-1 Mofang-02A Jilin-1 Gaofen-03D-10/18 Hainan-1 01/02 Wenchang-1 01/02	CZ-4C	Jq, LC-43/94	China, Earth obs China, Earth obs China, Earth obs China, Earth obs China, Earth obs
2022-019	27.02.2022	Chaohu 1 (Tianxian batch 1) Qimingxing 1 (QX 1) Xingshidai 17 (Dayun, WX 05) Taijing-3/4 01 Xidian 1 (XD 1) Chuangxing Leishen Tianqi 19	CZ-8	We, LC-201	China, China, China, Technology China, China, China, Comsat
2022-020	28.02.2022	StriX B	Electron KS	OnS, LC-1B	Japan, Earth obs
2022-021	01.03.2022	GOES 18 (GOES T)	Atlas-5/541	CC, SLC-41	US, Meteorology
2022-022	03.03.2022	Starlink v1.5 G4-9-1/47	Falcon-9 v1.2	CCK, SLC-39A	US, Comsat
2022-023	05.03.2022	Yinhe 2-01/06 Xingyuan 2 (Xuanmong Xingyuan)	CZ-2C	Xi, LC-3	China, Comsat China,
2022-	05.03.2022	OneWeb LSB6 1/36	Soyuz-2-1b Fregat	Baik, LC-31/6	<b>UK, Comsat, not launched by Russia</b>
2022-024	08.03.2022	Noor 2	Qased	Shr, LC-1	Iran, Military
2022-025	09.03.2022	Starlink v1.5 G4-10-1/48 S4 Crossover	Falcon-9 v1.2	CCK, SLC-40	US, Comsat US, Technology
2022-026	14.03.2022	OreSat 0 SpaceBEE 112/127 SpaceBEENZ 11/14	Astra Rocket-3.3	Kd, LP-3B	US, Technology US, Comsat US, Comsat

2022-027	17.03.2022	Yaogan 34-02	CZ-4C	Jq, LC-43/94	China, Earth obs
2022-028	18.03.2022	<a href="#">Soyuz MS-21</a> (S.P.Korolev)	Soyuz-2-1a	Baik, LC-31/6	Russia, Spaceship
2022-029	19.03.2022	Starlink v1.5 G4-12-1/53	Falcon-9 v1.2	CCK, SLC-40	US, Comsat
2022-030	22.03.2022	Meridian-M 10 (20L)	Soyuz-2-1a Fregat	Pl, LC-43/4	Russia, Comsat
2022-031	29.03.2022	Pujiang 2 Tiankun 2 (TK 2)	CZ-6A	TY, LC-9A	China, Techn China, Techn?
2022-032	30.03.2022	Tianping 2A/2C EnMAP NuSat 23/27 (NewSat 23/27) GNOMES 3 Hawk 4A/4C Lynk 05 (Lynk Tower 01) ION-SCV 005 KSF 2A/2D PlantSat	CZ-11	Jq, LP-43/95B	China, Techn Germany, Earth obs Argentina, Earth obs US, Earth sciences US, monitoring US, Comsat Italy, Sat deployment Luxembourg, mon Chile, Techn
2022-033	01.04.2022	SUCHAI 2/3 SUCHAI 3 Subsat 1/2 MP42 ARCSAT Spark 1 (Omnispace LEO-1) Pixxel-TD (Shakuntala) BRO 7 AlfaCrux BD-Sat (CZE-BDSAT) SpaceBEE 128/139	Falcon-9 v1.2	CC, SLC-40	Chile, Techn Chile, Techn Lithuania, Techn Norway, Techn US, Comsat India, Earth obs FR, monitoring Brazil, Techn Czech Rep, Techn US, Comsat
2022-034	02.04.2022	BlackSky 16/17 Global 18&20	Electron KS	OnS, LC-1A	US, Earths obs
2022-035	06.04.2022	Gaofen 3-03 (GF 3-03)	CZ-4C	Jq, LC-43/94	China, Earth obs
2022-036	07.04.2022	Cosmos 2554 (Lotos-S1 #5, N°806)	Soyuz-2-1b	Pl, LC-43/3	Russia, Sigint
2022-037	08.04.2022	<a href="#">Crew Axion AX-1</a> (Dragon C206-F3, Endeavour F3)	Falcon-9 v1.2	CCK, SLC-39A	US, ISS
2022-038	15.04.2022	ZX 6D (ChinaSat 6D)	CZ-3B/G3	Xi, LC-2	China, Comsat
2022-039	15.04.2022	Daqi 1 (DQ, AEMS 1)	CZ-4C	TY, LC-9	China, Earth obs
2022-040	17.04.2022	Intruder 13A/13B (NOSS-3 9A/9B, USA-327, NROL 85)	Falcon-9 v1.2	Va, SLC-4E	US, Ocean Surveil
2022-041	21.04.2022	Starlink v1.5 G4-14-1/53	Falcon-9 v1.2	CCK, SLC-40	US, Comsat
2022-042	27.04.2022	<a href="#">Crew Dragon 4</a> (Dragon C212- F1, USCV-4)	Falcon-9 v1.2	CCK, SLC-39A	US, manned
2022-043	29.04.2022	Siwei Gaojing 1-01/02 (SuperView Neo 1-01/02)	CZ-2C	Jq, LC-43/94	China, Earth obs
2022-044	29.04.2022	Cosmos 2555 (EMKA #3 ?, MKA-R ?)	Angara-1.2	Pl, LC-35/1	Russia, ?
2022-045	29.04.2022	Starlink v1.5 G4-16-1/53	Falcon-9 v1.2	CCK, SLC-40	US, Comsat
2022-046	30.04.2022	Jilin-1 Gaofen-04A Jilin-1 Gaofen-03D-04/07 E-Space Demo 1/3 BRO 6	CZ-11H	@ECS (Tai Rui)	China, Earth obs China, Earth obs US, Comsat FR, monitoring
2022-047	02.05.2022	AuroraSat 1 (The Flying Obj) SpaceBEE 140/155 SpaceBEENZ 15/21	Electron KS	OnS, LC-1A	Finland, Techn US, Comsat US, Comsat

		Unicom 2			UK, Techn
		MyRadar 1			Germany, Techn
		TRSI 2/3			Germany, Techn
		Copia			New Zealand, Techn
2022-048	05.05.2022	Jilin-1 Kuanfu-01C	CZ-2D	TY, LC-9	China, Earth obs
		Jilin-1 Gaofen-03D-27/33			China, Earth obs
2022-049	06.05.2022	Starlink v1.5 G4-17-1/53	Falcon-9 v1.2	CCK, SLC-39A	US, Comsat
2022-050	09.05.2022	Tianzhou 4 (TZ 4)	CZ-7	We, LC-201	China, Spaceship
2022-F02	13.05.2022	Jilin-1 Mofang-01A	Hyperbola-1	Jq, Lc-43/95A	China, Earth obs
2022-051	13.05.2022	Starlink v1.5 G4-13-1/53	Falcon-9 v1.2	CCK, SLC-4E	US, Comsat
2022-052	14.05.2022	Starlink v1.5 G4-15-1/53	Falcon-9 v1.2	CCK, SLC-40	US, Comsat
2022-053	18.05.2022	Starlink v1.5 G4-18-1/53	Falcon-9 v1.2	CCK, SLC-39A	US, Comsat
2022-054	19.05.2022	Cosmos 2556 (Bars-M #3)	Soyuz-2-1a	PI, LC-43/4	Russia, Recon
2022-055	19.05.2022	<a href="#">Starliner OFT-2</a> (Starliner SC-2 F1)	Atlas-5 (N22) (AV-082?)	KSC, SLC-41	Boeing, Manned Spaceship
2022-056	20.05.2022	CGSTL LEO Test Sat 1/2	CZ-2C(3) YZ-1S	Jq, LC-43/94	China, ??
		Umbra 03			US, Earth obs
		ICEYE 17/21			Finland, Earth obs
		NuSat 28/31			Argentina, Earth obs
		GHGSat C3/5			Canada, Earth obs
		Hawk 5A/5C			US, SIGINT
		CICERO-2 1/2			US, Earth obs
		Sherpa-AC 1			US, Sat deployment
		ION-SCV 006 (Thrilling Thomas, Infinite Blue)			Italy, Sat deployment
		Guardian 1			Spain, Earth obs
		SBUDNIC			US, Technology
		Vigoride 3			US, Sat deployment
		SELFIESAT			Norway, Technology
		FossaSat 2E7/2E13			Spain, Techn
		Veery FS-1			Spain, Earth obs
2022-057	25.05.2022	Urdaneta-Armsat 1	Falcon-9 v1.2	CC, SLC-40	US, Comsat
		Spark 2 (Omnispace LEO-2)			US, Techn
		AMS			US, Techn
		CNCE 4/5			Bulgaria, Techn
		Platform 1 (SharedSat 2141)			US, Techn
		BroncoSat 1			Finland, Techn
		Foresail 1			Czech Rapublic,
		Planetum 1			Techn
		SPIN 1 (MA61C)			Germany, Techn
		Connecta T1.1			Turkey, Techn
		Centauri 5 (Tyvak 0212)			Australia, Comsat
		Lemur-2 152/156			Germany, Earth obs
		VariSat 1C (Celestis 21)			US, Techn
		PTD 3 (TBIRD,Tyvak 0125)			US, Techn
		CPOD A/B (Tyvak 0032/0033)			US, Techn
		OMD 1			US, Techn
2022-058	02.06.2022	GeeSAT-1 03/11	CZ-2C	Xi, LC-3	China, Navigation
		Progress MS-20 (N°450?)			Russia, ISS Cargo
2022-059	03.06.2022	YuZGU-55 11/12	Soyuz-2-1a	Baik, LC-31/6	Russia, Techn
		Tsiolkovsky-Ryazan 1/2			Russia, Techn
2022-060	04.06.2022	<a href="#">Shenzhou 14</a> (SZ 14)	CZ-2F/G	Jq, LC-43/91	China, Spaceship
2022-061	08.06.2022	Nilesat 301	Falcon-9 v1.2	-40CC, SLC	Egypt, Comsat

2022-F03	12.06.2022	TROPICS 02/03	Astra Rockets-3	CC, SLC-46	US, Earth obs
2022-062	17.06.2022	Starlink v1.5 G4-19-1/53	Falcon-9 v1.2	CCK, SLC-39A	US, Comsat
2022-063	18.06.2022	SARah 1	Falcon-9 v1.2	Va, SLC-4E	Germany, Recon.
2022-064	19.06.2022	USA 328/331 Globalstar M087 (Globalstar-2 FM15)	Falcon-9 v1.2	CC, SLC-40	US, ? US, Comsat
2022-065	21.06.2022	PVSAT STEP Cube Lab 2 MIMAN (Cubesatyonsei) RANDEV (ASTRIS 2) SNUGLITE 2 Dummy Cubesat Nuri Test Payload 2	Nuri (KSLV-2)	Na, LP-2	South Korea, Vehicle South Korea, Techn South Korea, Techn South Korea, Earth ob South Korea, Techn South Korea, Vehicle South Korea, Vehicle
2022-066	22.06.2022	Tianxing 1	Kuaizhou-1A	Jq, LC-43/95B	China, Techn
2022-067	22.06.2022	MEASAT 3d GSat 24 (CMS 02)	Ariane-5ECA+	Ko, ELA-3	Malaysia, Comsat India, Comsat
2022-068	23.06.2022	Yaogan 35-02A/C	Z-2D	Xi, LC-3	China, Earth obs
2022-069	27.06.2022	Gaofen 12-03	CZ-4C	Jq, LC-43/94	China, Earth obs
2022-070	28.06.2022	CAPSTONE Lunar Photon	Electron Photon-IP	PnS, LC-1B	USA, Techn,interpl USA, Techn
2022-071	29.06.2022	SES 22	Falcon-9 v1.2 (B15)	CC, SLC-40	USA, Comsat
2022-072	30.06.2022	DS-EO NeuSAR SCOOB 1 (S3 1) POEM	PSLV-CA	Sr, SLP	Singapore, Eart Obs Singapore, Eart Obs Singapore, Techn India, Techn
2022-073	01.07.2022	WFOV-T (USA 332, USSF 12) USSF-12 Ring (USA 333) USA 337	Atlas-V-541	CC, SLC-41	US, Earlu warn US, Techn US, Techn
2022-074	02.07.2022	Recurve Slingshot 1 Gunsmoke-L 1/2 NACHOS 2 MISR-B 1 CTIM-FD GPX 2	LauncherOne	Mo, RW12/30	US, Techn US, Techn US, Techn US, Techn US, Techn US, Techn US, Techn
2022-075	07.07.2022	Cosmos 2557 (Uragan-K #4, GLONASS-K 16L)	Soyuz-2-1b Fregat	Pl, LC-43	Russia, Navigation
2022-076	07.07.2022	Starlink v1.5 G4-21-1/53	Falcon-9 v1.2	CCAFS, SLC-40	US, Comsat
2022-077	11.07.2022	Starlink v1.5 G3-21-1/46	Falcon-9 v1.2	Va, SLC-4E	US, Comsat
2022-078	12.07.2022	Tianlian-2 03 (TL 2C)	CZ-3B/G3	Xi,	China, Comsat
2022-079	13.07.2022	USA 334 (NROL 162) LARES 2 AstroBio CubeSat (ABCS)	Electron KS	OnS, LC-1A	USA, Australia Italy, Research Italy, Techn
2022-080	13.07.2022	GreenCube TRISAT R CELESTA (ROBUSTA 1D) MTCube 2 (ROBUSTA 1F) ALPHA	Vega-C (1e launch)	Ko, ELV	Italy, Techn lovenia, Techn France, Techn France, Techn Italy, Techn
2022-081	15.07.2022	Dragon CRS-25 (SpX 25, Dragon C208-F3) EMIT (*)	Falcon-9 v1.2	CC, SLC-39A	US, ISS cargo US, Earth obs US, Techn

		BeaverCube (*)			US, Techn
		CLICK A (*)			US, Techn
		D3 (*)			US, Techn
		JAGSAT 1 (*)			US, Techn
		CapSat 1 (*)			Japan, Techn
		FUTABA (*)			Japan, Techn
		HSU-SAT 1 (*)			Moldova, Techn
		TUMnanoSAT (*)			
2022-082	15.07.2022	Siwei Gaoging 2-01/02 (SuperView Neo 2-01/02)	CZ-2C	TY, LC-9	China, Earth obs
2022-083	17.07.2022	Starlink v1.5 G4-22-1/53	Falcon-9 v1.2	CCK, LC-39A	US, Comsat
2022-084	22.07.2022	Starlink v1.5 G3-2-1/46	Falcon-9 v1.2	Va, SLC-4E	US, Comsat
2022-085	24.07.2022	Wentian	CZ-5B	We, LC-101	China, MODULE
2022-086	24.07.2022	Starlink v1.5 G4-25-1/53	Falcon-9 v1.2 (Block 5)	CCK, LC-39A	US, Comsat
		SATec 01 (Kangjian Xinjishu )			China, Technology
		GDMTSW			China, Technology
2022-087	27.07.2022	Jinan 1 (Diguidao Lianzi)	Zhongke-1A (1e flight)	Jq, LP-43/130	China, Technology
		DZS 1/2 (Dianci zuzhuang)			China, Technology
		Huawan-Nanyue Kexue			China, Technology
2022-088	29.07.2022	Yaogan 35-03A/C	CZ-2D	Xi, LC-3	China, Earth obs,
2022-089	01.08.2022	Cosmos 2558	Soyuz-2-1v Volga	PI, LC-43/4	Russia, Navigation
		TECIS (Guomang)			China, Earth obs
2022-090	04.08.2022	Minhang Shaonian	CZ-4B	TY, LC-9	China,
		HEAD 2G (Hede 2G, Jiaotong)			China, Comsat
2022-091	04.08.2022	USA 335 (NROL 199)	Electron KS	OnS, LC-1B	US, ?
2022-092	04.08.2022	SBIRS-GEO 6 (USA 336)	Atlas-5/421	CC, SLC-41	US, Early warning
2022-093	04.08.2022	Chongfu Shiyong Shiyuan Hangtian Qi 2 (CSSHQ 2)	CZ-2F/T	Jq, LC-43/91	China, Space plane
2022-094	04.08.2022	KPLO (Danuri)	Falcon-9 v1.2	CC, SLC-40	S. Korea, Lunar orb
2022-F04	07.08.2022	Microsat 24 / AzaadiSAT	SSLV (1e flight)	Sr, FLP	India, Earth obs
2022-095	09.08.2022	Taijing-1 01/02 (PingAn 3)	Ceres-1(2)	Jq, LC-43/95A	China, Earth obs
		Donghai 1	(Gushenxing-1)		China
		Khayyam 1 (Project 505)			Iran, Earth obs
		CubeSX-HSE 2 (RS 21S)			Russia, Techn
		CYCLOPS (RS 29S)			Russia, Techn
		Geoskan-Edelweis (RS 20S)			Russia, Techn
		ISOI (RS 19S)			Russia, Techn
		KAI 1 (RS 26S)			Russia, Techn
		Kuzbass-300 (RS 34S)			Russia, Techn
2022-096	09.08.2022	Monitor 1 (RS 32S)	Soyz-2-1b Fregat	Ba, LC-31/6	Russia, Techn
		MIET AIS (RS 28S)			Russia, Techn
		Polytech Universe 1/2			Russia, Techn
		ReshUCube (RS 8S)			Russia, Techn
		Siren (LILAC, RS 30S)			Russia, Techn
		Skoltech B1/2			Russia, Techn
		UTMN (RS 23S)			Russia, Techn
		VIZARD SS1 (RS 33S)			Russia, Techn
2022-097	10.08.2022	Starlink v1.5 G4-26-1/52	Falcon-9 v1.2	CCK, LC-39A	US, Comsat
		Jilin-1 Gaofen-03D-9			
2022-098	10.08.2022	Jilin-1 Gaofen-03D-35/43	CZ-6	TY, LC-16	China, Earth obs
		Jilin-1 Hongwai-A01/06			

2022-099	12.08.2022	Starlink v1.5 G3-3-1/46	Falcon-9 v1.2	Va, SLC-4E	US, Comsat
2022-100	19.08.2022	Yaogan 35-04A/C	CZ-2D	Xi, LC-3	China, Earth obs, SIGINT?
2022-101	19.08.2022	Starlink v1.5 G4-27-1/53	Falcon-9 v1.2	CC, SLC-40	US, Comsat
2022-102	23.08.2022	CX 16A / CX 16B	Kuaizhou-1A	Xi	China, Techn?
2022-103	24.08.2022	Beijing 3B (Nanning 1)	CZ-2D	TY, LC-9	China, Earth obs
2022-104	28.08.2022	Starlink v1.5 G4-23-1/54	Falcon-9 v1.2	CC, SLC-40	US, Comsat
2022-105	31.08.2022	Starlink v1.5 G3-4-1/46	Falcon-9 v1.2	Va, SLC-4E	US, Comsat
2022-106	02.09.2022	Yaogan 33-02	CZ-4C	Jq, LC-43/94	China, Earth obs
2022-107	05.09.2022	Starlink v1.5 G4-20-1/51 Sherpa-LTC 2 (Varuna-TDM)	Falcon-9 v1.2	CC, SLC-40	US, Comsat US, Sat depl
2022-108	06.09.2022	CentiSpace-1 S3/S4 (Weili Kongjian-1 S3/S4, Xiangrikui)	Kuaizhou-1A	Jq, LP-43/95B	China, Techn
2022-109	06.09.2022	Yaogan 35-05A/C	CZ-2D	Xi, LC-3	China, Earth obs
2022-110	07.09.2022	Eutelsat Konnect VHTS	Ariane-5ECA+	Ko, ELA-3	Int, Comsat
2022-111	11.09.2022	Starlink v1.5 G4-2-1/34 BlueWalker 3 (BW 3)	Falcon-9 v1.2	CCK, SLC-39A	US, Comsat US, Comsat techn
2022-112	13.09.2022	<a href="#">FH 2E</a> (ZX 1E, ChinaSat 1E)	CZ-7A	We, LC-201	China, Comsat
2022-113	15.09.2022	<a href="#">StriX 1</a>	Electron KS	OnS, LC-1B	Japan, Earth Obs
2022-114	19.09.2022	Starlink v1.5 G4-34-1/54	Falcon-9 v1.2	CCK, SLC-40	US, Comsat
2022-115	20.09.2022	Yunhai-1 03	CZ-2D	Jq, LC-43/94	China, Meteorology
2022-116	21.09.2022	<a href="#">Soyuz MS-22</a>	Soyuz-2-1a	Baik, LC-31/6	Russia, Spaceship
2022-117	24.09.2022	<a href="#">KH-11 19</a> (Crystal 19, USA 338, NROL 91)	Delta-4H	Va, SLC-6	YSA, Recon
2022-118	24.09.2022	SY 14/15	Kuaizhou-1A	TY	China, Techn
2022-119	24.09.2022	<a href="#">Starlink v1.5 G4-35-1/52</a>	Falcon-9 v1.2	CCK, SLC-40	US, Comsat
2022-120	26.09.2022	Yaogan 36-01A/C	CZ-2D	Xi, LC-3	China, Earth obs
2022-121	26.09.2022	SY 16A/B SY 17 Serenity TechEdSat 15 (TES 15)	CZ-6	TY, LC-16	China, Techn USA, Techn USA, Techn
2022-122	01.10.2022	GENESIS G/J (Astroland 1/2) Qubik 3/4 FossaSat 1b Firefly Capsule 2	Firefly-Alpha	Va, SLC-2W	Spain, Techn Greece, Techn Spain, Techn USA, Techn
2022-123	04.10.2022	SES 20/21	Atlas-V(531)	CC, SLC-41	USA, Comsat
2022-124	05.10.2022	<a href="#">Crew Dragon 5</a> (Dragon C210- F2, Endurance F2, USCV-5)	Falcon-9 v1.2	CCK, SLC-39A	SpaceX, Manned Spaceship
2022-125	05.10.2022	<a href="#">Starlink v1.5 G4-29-1/52</a>	Falcon-9 v1.2	Va, SLC-4E	US, Comsat
2022-126	07.10.2022	CentiSpace-1 S5/S6 (Weili Kongjian-1 S5/S6, Xiangrikui)	CZ-11H	@YS (DeFu15002)	China, Techn
2022-127	07.10.2022	GAzelle (Argos-4)	Electron KS	OnS, LC-1B	US, Techn
2022-128	08.10.2022	Galaxy 33/34 (Galaxy 15R/12R)	Falcon-9v1.2	CC, SLC-40	US, Comsat
2022-129	08.10.2022	ASO-S (Kuafu)	CZ-2D	Jq, LC-43/94	China, Astronomy
2022-130	10.10.2022	<a href="#">Cosmos 2559</a> (Uragan-K #5, GLONASS-K 17L)	Soyuz-2-1b Fregat	PI, LC-43/3	Russia, Navigation
2022-F05	12.10.2022	RAISE 3 QPS-SAR 3/4 MAGNARDO A/B KOSEN 2	Epsilon(2) CLPS	KA LP-M	Japan, Techn Japan, Earth obs Japan, Techn Japan, Techn

		MITSUBA Waseda-SAT 0 FSI-SAT			Japan, Techn Japan, Techn Japan, Techn
2022-131	12.10.2022	AngoSat 2	Proton-M Blok-DM-03	Baik, LC-81/24	Angola,Comsat
2022-132	13.10.2022	HJ 2E (5m S-SAR 01)	CZ-2C	TY, LC-9	China, Earth obs
2022-133	14.10.2022	Yaogan 36-02A/C	CZ-2D	Xi, LC-3	China, Eath obs
2022-134	15.10.2022	Hotbird 13F	Falcon-9v1.2	CC, SLC-40	International, Comsat
2022-135	15.10.2022	<a href="#">Cosmos 2560</a> (EO-MKA #3, MKA-R?)	Angara-1.2	Pl, LC-35/1	Russia, mil recon
2022-136	20.10.2022	<a href="#">Starlink v1.5 G4-36-1/54</a>	Falcon-9 v1.2	CC, SLC-40	US, Comsat
2022-137	21.10.2022	Cosmos 2561/2562	Soyuz-2-1v Volga	Pl, LC-43/4	Russia, ?
2022-138	22.10.2022	OneWeb L14-1/36	GSLV Mk.3	Sr, SLP	UK, Comsat
2022-139	22.10.2022	Gonets-M 23/25 Skif-D	Soyuze-2-1a	Vo, LC-1S	Russia, Comsat Russia, comsat
2022-140	26.10.2022	Progress MS-21 (N°451 ?)	Soyuz-2-1a	Baik, LC-31/6	Russia, ISS Cargo
2022-141	28.10.2022	<a href="#">Starlink v1.5 G4-31-1/53</a>	Falcon-9 v1.2	Va, SLC-4E	US, Comsat
2022-142	29.10.2022	SY 20C	CZ-2D	Jq, LC-43/94	China, Techn
2022-143	31.10.2022	Mengtian	CZ-5B	We, LC-101	China, Station module
		Shepherd Demonstration (USA 339, USSF 44)			USA, Techn USA, Techn
2022-144	01.11.2022	LDPE 2 Tetra 1 USUVL LINUSS 1/2(LINUS-A 1/2)	Falcon-Heavy	CCK, LC-39A	USA, Techn USA, ? USA, Techn
2022-145	02.11.2022	Cosmos 2563 (Tundra 16L, Kupol 16L, EKS #6)	Soyuz-2-1b Fregat	Pl, ?	Russia, ?
2022-146	03.11.2022	Hotbird 13G	Falcon-9v1.2	CC, SLC-40	International, Comsat
2022-147	04.11.2022	MATS	Electron KS	OnS, LC-1B	Sweden, Aeronomy
2022-148	05.11.2022	ZX 19 (ChinaSat 19)	CZ-3B/G2	Xi, LC-2	China, Comsat
		Cygnus CRS-18 (NG 18, SS Sally Ride))			US, ISS cargo
2022-149	07.11.2022	Taka (*) PearlAfricaSat 1(*) ZimSat 1(*) Space Tuna 1(*)	Antares-230+	WI, LA-0A	Japan-Int, Education Japan-Int,Education Japan, Technology
2022-150	09.11.2022	<a href="#">JPSS 2</a> (NOAA 21) <a href="#">LOFTID</a> (Bernard Kutter)	Atlas-5/401	Va, SLC-3E	US, Meteorology US, Technology
2022-151	11.11.2022	Yunhai-3 01	CZ-6A	TY, LC-9A	China, Meteorology
2022-152	12.11.2022	<a href="#">Tianzhou 5</a> (TZ 5) XW 4 (CAS 10)	CZ-7	We, LC-201	China, Cargo China, Amat comsat
2022-153	12.11.2022	Galaxy 31/32	Falcon-9 v1.2	CC, SLC-40	US, Comsat
2022-154	15.11.2022	Yaogan 34-03	CZ-4C	Jq, LC-43/94	China, Earth obs
2022-155	16.11.2022	<a href="#">Jilin-1 Gaofen-03D-08</a> <a href="#">Jilin-1 Gaofen-03D-51/54</a> <a href="#">Artemis 1</a> (Orion CM-002)	Ceres-1 (Gushenxing-1)	Jq, LC-43/95A	China, Earth obs China, Earth obs
		BioSentinel			US, Manned craft
2022-156	16.11.2022	CuSP LunaH-Map Lunar-IceCube	SLS(Block 1) ICPS	CCK, LC-39B	US, Life science US, Ionosphere US, Lunar orbiter US, Lunar orbiter



		<a href="#">NEA-Scout</a> LunIR <a href="#">EQUULEUS</a> OMOTENASHI ArgoMoon Miles			US, Asteroid Flyby US, Lunar Flyby Japan, Lunar Flyby Japan, Lunar Flyby Italy, Lunar Flyby US, Techn interpl.
2022-157	23.11.2022	Eutelsat 10B	Falcon-9 v1.2	CC, SLC-40	Int, Comsat
2022-158	26.11.2022	Oceansat 3 (EOS 06) INS 2B (BhutanSat) Pixxel-TD 1 (Anand) Astrocast 0301/0304 Thybolt 1/2	PSLV-XL	Sr, FLP	India, Earth obs India, Earth obs India, Earth obs Switzerland, Comsat India, Techn, Comsat
202215	26.11.2022	Dragon CRS-26 (SpX 26, Dragon C211-F1) <a href="#">iROSA 3A-4A</a> (**) PetitSat (*) SPORT (*) MARIO (*) TJREVERB (*) LORIS (*) ORCASat (*) DanteSat (*) NUTSat (*) HSKSAT (*) Optimal 1 (*) SS 1 (*)	Falcon-9v1.2	CCK, LC-39A	US, ISS cargo US, ISS Solar arr US, Ionosph res Brazil, Techn US, Techn US, Techn Canada, Techn Canada, Techn Italy, Techn Canada, Techn Japan, Techn Japan, Techn Indonesia, Techn
2022-160	27.11.2022	Yaogan 36-03A/03C	CZ-2D	Xi, LC-3	China, Earth obs
2022-161	28.11.2022	Cosmos 2564 (Uragan-M #51, GLONASS-M N°761)	Soyuz-2-1b Fregat	Pl, LC-43/3	Russia, Navigation
2022-162	29.11.2022	<a href="#">Shenzhou 15</a> (SZ15)	CZ-2F/G	Jq, LC-43/91	China, Manned Spaceship
2022-163	30.11.2022	Cosmos 2565 (Lotos-S1 #6, N°807)	Soyuz-2-1b	Pl, LC-43/4	Russia, SIGINT
2022-164	07.12.2022	Xingyun Jiaotong VDES Shiyan (Hangtian Jinzu 1)	Kuaizhou-11	Jq, LP-43/95B	China, Comsat
2022-165	08.12.2022	Gaofen 5-01A (GF 5-01A)	CZ-2D	TY, LC-9	China, Earth Obs
2022-166	08.12.2022	OneWeb L15-1/40	Falcon-9 v1.2	CCK, LC-39A	UK, Comsat
2022-167	09.12.2022	Jilin-1 Gaofen-03D-44/50 Jilin-1 Pingtai-01A-01 HEAD 2H (Hede 2H, Jiaotong) Jinzijing 1-05/06 (Golden Bauhinia 1-05/06) Tianqi 7 (Dasong Guanyao) Huoju 1 CAS 5A (Fengtai Shaonian 2)	Jielong-3	@YS (Tai Rui)	China, Earth obs China, Earth Obs China, Comsat China, Earth Obs China, Comsat China, ? China, Education
2022-168	11.12.2022	Hakuto-R M1 Lunar Flashlight	Falcon-9 v1.2 (Block 5)	CC, SLC-40	Japan, Lunar lander US, Lunar orbiter
2022-169	12.12.2022	SY 20A/B	CZ-4C	Jq, LC-43/94	China, Technology
2022-170	13.12.2022	Galaxy 35/36 (Galaxy 3CR/28R) MTG-I 1 (Meteosat 12)	Ariane-5ECA+	Ko, ELA-3	US, Comsat Europe, Meteorology
2022-F06	14.12.2022	Zhixing 1B	Zhuque-2	Jq, LC-43/96	China, ?
2022-171	14.12.2022	Yaogan 36-04A/C	CZ-2D	Xi, LC-3	China, Earth Obs

2022-172	16.12.2022	SY 21 (SJ2013)	CZ-11	Xi, LC-4	China,?
2022-173	16.12.2022	SWOT	Falcon-9 v1.2	Va, SLC-4E	US/FR, Altimetry
2022-174	16.12.2022	O3b mPower 1/2	Falcon-9 v1.2	CC, SLC-40	UK, Comsat
2022-175	17.12.2022	Starlink v1.5 G4-37-1/54	Falcon-9 v1.2	CCK, SLC-39A	US, Comsat
2022-F07	21.12.2022	Pléiades-Neo 5/6 (VHR-2020 3/4)	Vega-C	Ko, ELV	France, Earth Obs
2022-176	27.12.2022	Gaofen 11-04 (GF 11-04)	CZ-4B	TY, LC-9	China, Earth Obs
2022-177	28.12.2022	Starlink v1.5 G5-1-1/54	Falcon-9 v1.2	CC, SLC-40	US, Comsat
2022-178	29.12.2022	SY 10-02	CZ-3B/G2	Xi, LC-2	China, Technology
2022-179	30.12.2022	EROS C3-1	Falcon-9 v1.2 (Block 5)	Va, SLC-4E	Israel, Earth Obs

Notes: (\*) Deployed from ISS. - (\*\*) ISS component

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