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**Information furnished in conformity with the Convention
on Registration of Objects Launched into Outer Space****Note verbale dated 30 December 2024 from the Permanent Mission
of China to the United Nations (Vienna) addressed to the
Secretary-General**

The Permanent Mission of China to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution [3235 \(XXIX\)](#), annex) and resolution [62/101](#) of 17 December 2007, has the honour to transmit information concerning 179 space objects launched by China between 8 January and 30 December 2023 (see annex).¹

¹ The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 31 December 2024.



Annex

[Original: Chinese]

Registration information on space objects launched by China*

Committee on Space Research international designator	Name of the space object	National Designat or	State of Registry	Date of the launch (UTC)	Location of the launch	Basic orbital parameters				General function of the space object	Date of decay/ re-entry/ deorbit (UTC)	Additional voluntary information				
						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-002A	Shijian-23	-	China	8 January 2023	WSLC	1 437	1.097	35 728	35 706	Test satellite	-	-	-	-	-	-
2023-003	Xiguang-003	-	China	9 January 2023 at 0504 hours	JSLC	94.798	97.266	509.513	508.049	Remote sensing/imaging	-	-	-	-	-	-
2023-003	Nantong High School/ Jiangsu Surveying & Mapping Satellite (Vsat-01)	-	China	9 January 2023 at 0504 hours	JSLC	94.791	97.5	509	507	(a) Global broadcast of Nantong High School's school song; (b) deep space exploration and observation capabilities; and (c) with the satellite's onboard experimental facilities, Nantong students can take advantage of the microgravity and near-vacuum conditions of the satellite's low orbit to conduct experiments in high-school physics and other subjects using its measurement and control platform	31 January 2025	-	-	-	-	-
2023-003A	Tianqi-13 of the Tianqi satellite constellation	-	China	9 January 2023 at 0504 hours	JSLC	93.78	97.2	455	463	Bidirectional communication with terrestrial Internet of Things (IoT) terminals	-	-	-	-	China	CZ-2C
2023-003	Tianmu-1 01	-	China	9 January 2023 at 0504 hours	JSLC	92	97.1	500	490	-	-	-	-	-	-	-
2023-003	Tianmu-1 02	-	China	9 January 2023 at 0504 hours	JSLC	92	97.1	500	490	-	-	-	-	-	-	-
2023-005A	Yatai-6E	-	China	12 January 2023 at 1810 hours	XSLC	1 440	0	35 786	35 786	Communications	31 March 2040 at 0000 hours 0 seconds	-	-	-	China	CZ-2C
2023-006C	Yaogan-37	-	China	13 January 2023	JSLC	95	43.2	534	534	Test satellite	-	-	-	-	-	-
2023-006A	Shiyan-22A	-	China	13 January 2023	JSLC	95	43.2	534	534	Test satellite	-	-	-	-	-	-
2023-006B	Shiyan-22B	-	China	13 January 2023	JSLC	95	43.2	534	534	Test satellite	-	-	-	-	-	-
2023-007K	Qilu 3	-	China	15 January 2023 at 0314 hours	TSLC	94	97.3	487	487	Configured with a panchromatic multi-spectral wide-area Earth observation payload, laser	-	-	-	-	China	CZ-2D Y71

* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.

Committee on Space Research international designator	Name of the space object	National Designat or	State of Registry	Date of the launch (UTC)	Location of the launch	Basic orbital parameters				General function of the space object	Date of decay/ re-entry/ deorbit (UTC)	Additional voluntary information				
						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
										communication mechanism, smart payload, etc.; mainly used for optical Earth observation in the fields of land resources, agriculture and forestry, environmental monitoring, transportation, disaster prevention and mitigation, etc. Qilu 3 serves the development of the aerospace information industry and the replacement of old growth drivers with new ones in the Shandong Province						
2023-007L	Qilu 2	-	China	15 January 2023 at 0314 hours	TSLC	94	97.3	487	487	Configured with visible-spectrum and long-wave infrared high-resolution Earth observation payloads, laser communications, smart payloads, etc.; mainly used for ground optical observation in the fields of land resources, agriculture and forestry, environmental monitoring, transportation, disaster prevention and mitigation, etc. Qilu 2 serves the development of the aerospace information industry and the replacement of old growth drivers with new ones in the Shandong Province	-	-	-	-	China	CZ-2D Y71
2023-007	Beiyou-1 (BUPT 1)	-	China	15 January 2023 at 0314 hours	TSLC	94.5	97.4	490	490	Space science experiments and technology verification	-	-	-	-	China	CZ-2D
2023-007	Golden Bauhinia N3	JZJ-03	China	15 January 2023 at 0314 hours	TSLC	94.8	97.4	487	487	Optical remote sensing of the Earth	-	-	-	-	China	CZ-2D
2023-007	Golden Bauhinia N4	JZJ-04	China	15 January 2023 at 0314 hours	TSLC	94.8	97.4	487	487	Optical remote sensing of the Earth	-	-	-	-	China	CZ-2D
2023-007	Golden Bauhinia N6	JZJ-06	China	15 January 2023 at 0314 hours	TSLC	93.5	97.3	490	490	Optical remote sensing of the Earth	-	-	-	-	China	CZ-2D
2023-007	Luojia 3-01 (GN-1)	-	China	15 January 2023 at 0314 hours	TSLC	94.4	97.4	500	500	Scientific experiments, land and resources surveys, yield estimation of agricultural products, disaster prevention and mitigation, etc.	-	-	-	-	China	CZ-2D
2023-007	Tianzhi-2D (TZ-2D)	-	China	15 January 2023 at 0314 hours	TSLC	95.415	97.318	495.528	494.813	Remote sensing/imaging	-	-	-	-	China	CZ-2D
2023-007	Jilin-1 Gaofen-03D-34	-	China	15 January 2023 at 0314 hours	TSLC	95.33	97.54	535	535	Remote Earth sensing/imaging	-	-	-	-	China	CZ-2D

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-007	Jilin-1 Mofang-02A-03 (Jilin-01 MF02 A03 cubesat)	-	China	15 January 2023 at 0314 hours	TSLC	95.33	97.54	535	535	Remote Earth sensing/imaging	-	-	-	-	China	CZ-2D
2023-007	Jilin-1 Mofang-02-A04 (Jilin-01 MF02 A04 cubesat)	-	China	15 January 2023 at 0314 hours	TSLC	95.33	97.54	535	535	Remote Earth sensing/imaging	-	-	-	-	China	CZ-2D
2023-007	Jilin-1 Mofang-02-A07 (Jilin-01 MF02 A07 cubesat)	-	China	15 January 2023 at 0314 hours	TSLC	95.33	97.54	535	535	Remote Earth sensing/imaging	-	-	-	-	China	CZ-2D
2023-007	Haihe-1	-	China	15 January 2023 at 0314 hours	TSLC	95.33	97.54	535	535	Remote Earth sensing/imaging	-	-	-	-	China	CZ-2D
2023-007	WFM	-	China	15 January 2023	TSLC	95.33	97.54	535	535	Remote Earth sensing/imaging	-	-	-	-	China	CZ-2D
2023-023A	Zhongxing (ChinaSAT) 26	-	China	23 February 2023	XSLC	1 440	0	35 786	35 786	Provision of high-speed broadband access services for fixed terminals, vehicle/vessel/airborne terminals, etc.	-	-	-	-	China	CZ-3B
2023-030A	Tianhui-6A	-	China	9 March 2023	TSLC	102	99	893	893	Remote sensing satellite	-	-	-	-	-	-
2023-030B	Tianhui-6B	-	China	9 March 2023	TSLC	102	99	893	893	Remote sensing satellite	-	-	-	-	-	-
2023-034A	Shiyan-19	-	China	15 March 2023	JSLC	96	97.46	517	517	Remote sensing satellite	-	-	-	-	-	-
2023-036A	Gaofen-13 02	-	China	17 March 2023	XSLC	1 436	2.8	35 795	35 777	Remote sensing satellite	-	-	-	-	-	-
2023-039A	Tianmu-1 03	-	China	22 March 2023	JSLC	92	97.2	500	490	-	-	-	-	-	-	-
2023-039B	Tianmu-1 04	-	China	22 March 2023	JSLC	92	97.2	500	490	-	-	-	-	-	-	-
2023-039C	Tianmu-1 05	-	China	22 March 2023	JSLC	92	97.2	500	490	-	-	-	-	-	-	-
2023-039D	Tianmu-1 06	-	China	22 March 2023	JSLC	92	97.2	500	490	-	-	-	-	-	-	-
2023-047A	Piesat-1 A01	-	China	30 March 2023	TSLC	95.17	97.552	528	528	Earth observation	-	-	-	-	China	CZ-2D
2023-047B	Piesat-1 B01	-	China	30 March 2023	TSLC	95.17	97.552	528	528	Earth observation	-	-	-	-	China	CZ-2D
2023-047C	Piesat-1 B02	-	China	30 March 2023	TSLC	95.17	97.552	528	528	Earth observation	-	-	-	-	China	CZ-2D
2023-047D	Piesat-1 B03	-	China	30 March 2023	TSLC	95.17	97.552	528	528	Earth observation	-	-	-	-	China	CZ-2D
2023-048	Yaogan-34 04	-	China	31 March 2023	JSLC	107	63.4	1102	1095	Remote sensing satellite	-	-	-	-	-	-
2023-055A	Fengyun-3 07 (FY-3 (07))	-	China	16 April 2023 at 0136 hours 0 seconds	JSLC	92.617	50.0	407	407	The Fengyun 3-07 satellite uses synergistic active precipitation measurement and passive microwave and optical remote sensing detection technology to provide three-dimensional stereo tomographic detection data of precipitation in mid- and low-latitudes around the world, and to carry out remote sensing	-	-	-	-	China	CZ-4B

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
										detection of precipitation and atmospheric parameters of clouds and rain, in order to improve the accuracy of numerical precipitation forecasting and support the optimization of cloud micro-physics parameterisation schemes						
2023-063A	Tianzhou-6	-	China	10 May 2023	WSLC	89.7	41.5	338	200	Cargo spacecraft	-	-	-	-	-	-
2023-066A	BeiDou BDS-3 GEO-4	-	China	17 May 2023	XSLC	1 436	2.98	35 818	35 756	Navigation satellite	-	-	-	-	-	-
2023-069	Luojia-2A	-	China	21 May 2023 at 0800 hours 0 seconds	JSLC	94.6	41	500	500	Experimental Ka-band radar technology and navigation enhancement	-	-	-	-	China	CZ-2C
2023-069	Macao Science Satellite A	-	China	21 May 2023	JSLC	93.6	41	500	450	Scientific experiments and high-precision geomagnetic field detection	-	-	-	-	China	CZ-2C
2023-077A	Shenzhou-16	-	China	30 May 2023	JSLC	90	41.3	361	200	Crewed spacecraft	-	-	-	-	-	-
2023-081	Tianyi-26 (TY-26)	-	China	7 June 2023 at 0412 hours 0 seconds	JSLC	95	97	520	497	Space science experiments and technology verification	6 July 2028	-	-	-	Changsha Tianyi Air Science and Technology Research Institute Co. Ltd.	ZK-1A
2023-082A	Longjiang-3 Experimental Satellite	-	China	9 June 2023 at 0235 hours	JSLC	94.5	49	507.555	494.653	Communications satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D19	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D20	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D21	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D22	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D23	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D24	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D25	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-03D26	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A01	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-085	Jilin-1 Gaofen-06A02	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A03	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A04	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A05	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A06	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A07	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A08	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A09	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A10	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A11	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A12	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A13	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A14	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A15	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A16	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A17	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A18	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A19	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A20	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A21	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-085	Jilin-1 Gaofen-06A22	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A23	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A24	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A25	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A26	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A27	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A28	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A29	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Gaofen-06A30	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-01 Gaofen-05A	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Pingtai-02A01	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-085	Jilin-1 Pingtai-02A02	-	China	15 June 2023	TSLC	95.46	97.46	535	535	Remote sensing satellite	-	-	-	-	-	-
2023-087A	Shiyan-25	-	China	20 June 2023	TSLC	90	96.6	268	268	Remote sensing satellite	-	-	-	-	-	-
2023-095A	CSCN-A0001 (Satellite-Internet Technology Experimental Satellite)	-	China	9 July 2023	JSLC	107.3	86.5	1 100	1 100	Satellite communications	-	-	-	-	China	CZ-2C/YZ-1S
2023-095B	CSCN-A0002 (Satellite-Internet Technology Experimental Satellite)	-	China	9 July 2023	JSLC	107.3	86.5	1 100	1 100	Satellite communications	-	-	-	-	China	CZ-2C/YZ-1S
2023-101A	Tianmu-1 07	-	China	20 July 2023	JSLC	93	97.3	510	502	-	-	-	-	-	-	-
2023-101B	Tianmu-1 08	-	China	20 July 2023	JSLC	93	97.3	510	502	-	-	-	-	-	-	-
2023-101C	Tianmu-1 09	-	China	20 July 2023	JSLC	93	97.3	510	502	-	-	-	-	-	-	-
2023-101D	Tianmu-1 10	-	China	20 July 2023	JSLC	93	97.3	510	502	-	-	-	-	-	-	-
2023-104B	Sixiang-01	-	China	23 July 2023 at 0250 hours 13 seconds	TSLC	94.6	97.42	492	471	Remote sensing observation	23 July 2026 at	-	-	-	China	CZ-2D

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							Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-104C	Sixiang-02	-	China	23 July 2023 at 0250 hours 13 seconds	TSLC		94.6	97.42	492	471	Remote sensing observation	2359 hours 59 seconds 23 July 2026 at 2359 hours 59 seconds	-	-	-	China	CZ-2D
2023-104F	Sixiang-03	-	China	23 July 2023 at 0250 hours 13 seconds	TSLC		94.6	97.42	492	471	Remote sensing observation	23 July 2026 at 2359 hours 59 seconds	-	-	-	China	CZ-2D
2023-104A	Yinhe-8	-	China	23 July 2023 at 0250 hours 13 seconds	TSLC		94.635	97.264	509.723	505.592	Developed and utilized by GalaxySpace (Yinhe) Technology Company, Ltd. (Beijing), the Yinhe-8 satellite is positioned as a pilot satellite for testing mass-produced low-cost satellites, adapted for multi-satellite stacked launches and featuring flat-panel configuration, flexible high-power solar-power wings, flat-panel phase-controlled user antenna, digital communication payloads etc., for communications technology testing of satellite-internet digital payloads and verification of the low-cost flat-panel satellite platform technology, providing technical support for the subsequent mass production of satellites and multi-satellite stacked launching. It carries out satellite internet digital payload communication technology tests and low-cost flat-panel satellite platforms to provide technical support for the mass production of subsequent satellites and multi-satellite stacked launches	-	-	-	-	-	-
2023-106A	Yaogan-36 05A	-	China	26 July 2023	XSLC		94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	
2023-106C	Yaogan-36 05B	-	China	26 July 2023	XSLC		94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	
2023-106E	Yaogan-36 05C	-	China	26 July 2023	XSLC		94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	
2023-111A	Fengyun-3 (06) (FY-3 (06))	-	China	3 August 2023 at 0347 hours 51 seconds	JSLC		101.478	98.726	837	822	As a morning orbit satellite (10–10.20 a.m. local time at the descending node), Fengyun-3 (06) takes over the orbital operation of Fengyun-3 (03) to ensure the continuity of global digital	-	-	-	-	China	CZ-4C

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
										weather-prediction satellites observation data. Fengyun-3(06) focuses on quantitative atmospheric sounding and climate-change monitoring; the sounding data are mainly used for weather forecasting, atmospheric- chemistry and climate-change monitoring operations and research.						
2023-116A	Huanjing Jianzai- 2 F (Environmental Disaster Mitigation)	-	China	9 August 2023	TSLC	94.45	97.39	504	498	Disaster prevention, mitigation and relief, ecological and environmental protection	-	-	-	-	-	-
2023-117	Xiguang-002	-	China	10 August 2023 at 0403 hours	JSLC	95.415	97.518	539.528	537.804	Remote sensing/imaging	-	-	-	-	-	-
2023-117	HT-88	-	China	10 August 2023 at 0403 hours	JSLC	95.415	97.518	539.528	537.804	Remote sensing/imaging	-	-	-	-	-	-
2023-117	HT-96	-	China	10 August 2023 at 0403 hours	JSLC	95.415	97.518	539.528	537.804	Remote sensing/imaging	-	-	-	-	-	-
2023-117	HT-104	-	China	10 August 2023 at 0403 hours	JSLC	95.415	97.518	539.528	537.804	Remote sensing/imaging	-	-	-	-	-	-
2023-117	HT-112	-	China	10 August 2023 at 0403 hours	JSLC	95.415	97.518	539.528	537.804	Remote sensing/imaging	-	-	-	-	-	-
2023-117	WonderJourney- 1A (Henan Science & Technology University-01)	-	China	10 August 2023 at 0403 hours	JSLC	95.17	97.51	536	518	With a payload including a high- resolution surface-array camera and a near-infrared camera, the satellite uses on-board intelligent processing technology to provide remote sensing Earth observation services	10 August 2026 at 1203 hours 50 seconds	31 January 2025	31 January 2026	Normal	Shanghai Yuxing Data Science and Technology Co. Ltd., Zhongxinghang (Nanjing) Satellite Science and Technology Co. Ltd. Nanjing Xinda Satellite Applications Research Institute Co. Ltd.	Ceres 1 Y5
2023-117	Xingchi-01 B	-	China	10 August 2023 at JSLC 0403 hours	JSLC	95.44	97.518	540.663	539.045	Integrated remote sensing satellite	10 August 2024 at 1203 hours 50 seconds	31 January 2025	31 January 2026	Normal	Shanghai Yuxing Data Science and Technology Co. Ltd., Zhongxinghang (Nanjing)	Ceres 1 Y5

Committee on Space Research international designator	Name of the space object	National Designat or	State of Registry	Date of the launch (UTC)	Location of the launch	Basic orbital parameters				General function of the space object	Date of decay/ re-entry/ deorbit (UTC)	Additional voluntary information				
						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-120A	Land Exploration-4(01) (L-SAR 04A)	-	China	13 August 2023	XSLC	1 440	16	35 786	35 786	Microwave remote sensing for Earth observation	-	-	-	-	Satellite Science and Technology Co. Ltd. Nanjing Xinda Satellite Applications Research Institute Co. Ltd.	CZ-3B
2023-121A	HEAD-3A	-	China	14 August 2023	XSLC	98.7	45	714	696	V-band very high frequency (VHF) Data Exchange System (VDES) message reception, L-band Automatic Dependent Surveillance-Broadcast (ADS-B) reception; ultra high frequency (UHF) band DCS (Digital-Coded Squelch) message reception and X-band remote sensing image reception	14 August 2026	14 August 2026	14 August 2030	-	China HEAD Aerospace Technology Co.	KZ-1A
2023-121B	HEAD-3B	-	China	14 August 2023	XSLC	98.7	45	707	686	V-band VDES message reception, L-band ADS-B reception; UHF-band DCS message reception and X-band remote sensing image reception	14 August 2026	14 August 2026	14 August 2030	-	China HEAD Aerospace Technology Co.	KZ-1A
2023-121C	HEAD-3C	-	China	14 August 2023	XSLC	98.7	45	711	694	V-band VDES message reception, L-band ADS-B reception; UHF-band DCS message reception and X-band remote sensing image reception	14 August 2026	14 August 2026	14 August 2030	-	China HEAD Aerospace Technology Co.	KZ-1A
2023-121D	HEAD-3D	-	China	14 August 2023	XSLC	98.7	45	710	692	V-band VDES message reception, L-band ADS-B reception; UHF-band DCS message reception and X-band remote sensing image reception	14 August 2026	14 August 2026	14 August 2030	-	China HEAD Aerospace Technology Co.	KZ-1A
2023-121E	HEAD-3E	-	China	14 August 2023	XSLC	98.7	45	709	689	V-band VDES message reception, L-band ADS-B reception; UHF-band DCS message reception and X-band remote sensing image reception	14 August 2026	14 August 2026	14 August 2030	-	China HEAD Aerospace Technology Co.	KZ-1A
2023-123A	Gaofen-12	-	China	20 August 2023	JSJC	97.2	97.9	628	624	Remote sensing satellite	-	-	-	-	China	-
2023-127A	Jilin-1 02A (Hong Kong University Of Science & Technology Xiongbín-01)	-	China	25 August 2023	TSJC	95.33	97.59	535	535	Remote sensing satellite	-	-	-	-	-	-

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-130A	Yaogan-39 01A	-	China	31 August 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-130B	Yaogan -39 01B	-	China	31 August 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-130E	Yaogan -39 01C	-	China	31 August 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-135B	Tianqi-21 (of the Tianqi Satellite Constellation)	-	China	5 September 2023 at 0934 hours 0 seconds	HOS	101.23	49.97	826	807	Bidirectional communication with ground IoT terminals	-	-	-	-	-	-
2023-135D	Tianqi-22 (of the Tianqi Satellite Constellation)	-	China	5 September 2023 at 0934 hours 0 seconds	HOS	101.22	49.97	827	807	Bidirectional communication with ground IoT terminals	-	-	-	-	-	-
2023-135C	Tianqi-23 Satellite Constellation	-	China	5 September 2023 at 0934 hours 0 seconds	HOS	101.23	49.97	826	807	Bidirectional communication with ground IoT terminals	-	-	-	-	-	-
2023-135A	Tianqi-24 (of the Tianqi Satellite Constellation)	-	China	5 September 2023 at 0934 hours 0 seconds	HOS	101.23	49.97	826	807	Bidirectional communication with ground IoT terminals	-	-	-	-	-	-
2023-136A	Yaogan-33 03	-	China	6 September 2023	JSLC	98.7	98.2	700	700	Remote sensing satellite	-	-	-	-	China	-
2023-139A	Yaogan-40 01A	-	China	10 September 2023	TS LC	102	86	854	851	Remote sensing satellite	-	-	-	-	China	-
2023-139C	Yaogan-40 01B	-	China	10 September 2023	TS LC	102	86	854	851	Remote sensing satellite	-	-	-	-	China	-
2023-139D	Yaogan-40 01C	-	China	10 September 2023	TS LC	102	86	854	851	Remote sensing satellite	-	-	-	-	China	-
2023-145A	Yaogan-39 02A	-	China	17 September 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-145D	Yaogan-39 02B	-	China	17 September 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-145E	Yaogan-39 02C	-	China	17 September 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-149A	Yaogan-33 04	-	China	26 September 2023	JSLC	98.7	98.1	700	700	Remote sensing satellite	-	-	-	-	China	-
2023-152A	Yaogan-39 03A	-	China	5 October 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-152C	Yaogan-39 03B	-	China	5 October 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-152E	Yaogan-39 03C	-	China	5 October 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-159A	Yunhai-1 04	-	China	15 October 2023	JSLC	100	98	783	780	Remote sensing satellite	-	-	-	-	China	-
2023-163A	Yaogan-39 04A	-	China	23 October 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-163C	Yaogan-39 04B	-	China	23 October 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-163E	Yaogan-39 04C	-	China	23 October 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-164A	Shenzhou-17	-	China	26 October 2023	JSLC	90	41.5	363	200	Crewed spacecraft	-	-	-	-	China	-
2023-168A	Tianhui-5 A	-	China	31 October 2023	TS LC	96.8	97.8	607	604	Remote sensing satellite	-	-	-	-	China	-

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
2023-168C	Tianhui-5 B	-	China	31 October 2023	TSLC	96.8	97.8	607	604	Remote sensing satellite	-	-	-	-	China	-
2023-169A	TJS-10 (Communications Technology Experimental Satellite)	-	China	3 November 2023	WSLC	1 436	0.19	42 179	42 154	Communications satellite	-	-	-	-	China	-
2023-172A	Zhongxing-6E	-	China	9 November 2023	XSLC	1 436.1	0.05	35 797	35 778	Dedicated radio and television transmission satellite	-	-	-	-	China	CZ-3B
2023-176A	New-Generation Ocean Colour Monitoring Satellite (HY-3A)	-	China	16 November 2023	JSLC	100.4	98	783	774	Ocean colour monitoring	-	-	-	-	China	CZ-2C
2023-181A	CSCN-B0004 (Satellite-Internet Technology Experimental Satellite)	-	China	23 November 2023 at 1000 hours 4 seconds	XSLC	108	50	1 105	1 105	Experimental communications technology satellite	-	-	-	-	China	CZ- 2D/YZ-3
2023-181B	CSCN-B0005 (Satellite-Internet Technology Experimental Satellite)	-	China	23 November 2023 at 1000 hours 4 seconds	XSLC	108	50	1 105	1 105	Experimental communications technology satellite	-	-	-	-	China	CZ- 2D/YZ-3
2023-181C	CSCN-B0006 (Satellite-Internet Technology Experimental Satellite)	-	China	23 November 2023 at 1000 hours 4 seconds	XSLC	108	50	1 105	1 105	Experimental communications technology satellite	-	-	-	-	China	CZ- 2D/YZ-3
2023-187A	Xingchi1-02A	-	China	4 December 2023 at 0410 hours	JSLC	97.519	98.001	642.239	637.731	Integrated remote sensing satellite	4 December - 2030 at 1210 hours 0 seconds	-	-	-	China	CZ-2C
2023-187C	Xingchi1-02B	-	China	4 December 2023 at 0410 hours	JSLC	97.523	98.002	642.618	637.715	Integrated remote sensing satellite	-	-	-	-	China	CZ-2C
2023-187	MISR SAT-2	-	China	4 December 2023	JSLC	97.34	98.1	638	638	National land-resources census, agriculture, environment and disaster monitoring, urban construction	-	-	-	-	China	CZ-2C
2023-189B	Xingchi-01A	-	China	4 December 2023 at 0733 hours 0 seconds	JSLC	94.798	97.458	509.661	507.968	Integrated remote sensing satellite	5 December - 2024 at 0733 hours 0 seconds	-	-	-	China	CZ-2C
2023-189	Tianyan-16	-	China	4 December 2023 at 0733 hours 0 seconds	JSLC	94.816	97.458	510.365	509.025	Remote sensing satellite	-	-	-	-	-	-

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	
2023-190A	CSCN-A0001	-	China	5 December 2023 at 1924 hours 19 seconds	Yangjiang ^a	103	86.5	910	910	Communications technology experimental satellite	-	-	-	-	China	Jielong-3
2023-193A	Tianyi 33 (TY-33)	-	China	8 December 2023 at 2339 hours	JSLC	93	97	460	429	Space science experiments and technology verification	8 December - 2026	-	-	-	Changsha Tianyi Space Technology Research Institute Co.	ZQ-2 Y3
2023-193B	Hongqing	CHN	China	8 December 2023 at 2339 hours	JSLC	94	97	465	436	Space science experiments and technology verification	12 August 2026	-	-	-	Changsha Tianyi Space Technology Research Institute Co.	ZQ-2 Y3
2023-193C	Honghu-02	-	China	8 December 2023 at 2339 hours 0 seconds	JSLC	98	97.265	6 831.92	6 831.45	Testing new solar-cell, energy- system and propulsion-system technologies, etc.	Deorbited 22 April 2025	-	-	-	Beijing Landspace Hongqing Technology Co., Ltd.	ZQ2-Y3
2023-194	Yaogan-39 05A	-	China	10 December 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-194	Yaogan-39 05B	-	China	10 December 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-194	Yaogan-39 05C	-	China	10 December 2023	XSLC	94.6	35	500	500	Remote sensing satellite	-	-	-	-	China	-
2023-197A	Yaogan-41	-	China	15 December 2023	WSLC	1 436	5	35 786	35 786	Remote sensing satellite	-	-	-	-	China	-
2023-199A	Di'er-01	-	China	17 December 2023 at 0700 hours 0 seconds	JSLC	94.274	97.4	504.4	481.2	Full-process satellite verification spanning from development to in- orbital flight, mainly for technical verification of the satellite platform in orbit and orbital flight testing of on-board optical observation payloads (optical cameras), micro-electro- propulsion, cosmic music boxes, antimicrobial material experimental payloads, peptide experimental payloads etc.	-	-	-	-	-	-
2023-205A	Tianmu-1 11	-	China	25 December 2023	JSLC	94	97.3	520	511	-	-	-	-	-	-	-
2023-205B	Tianmu-1 12	-	China	25 December 2023	JSLC	94	97.3	520	511	-	-	-	-	-	-	-
2023-205C	Tianmu-1 13	-	China	25 December 2023	JSLC	94	97.3	520	511	-	-	-	-	-	-	-
2023-205D	Tianmu-1 14	-	China	25 December 2023	JSLC	94	97.3	520	511	-	-	-	-	-	-	-
2023-206A	Shiyan-24 01	-	China	25 December 2023	Yangjiang	95.7	97.3	556	553	Test satellite	-	-	-	-	China	-
2023-206B	Shiyan-24 02	-	China	25 December 2023	Yangjiang	95.7	97.3	554	553	Test satellite	-	-	-	-	China	-
2023-206C	Shiyan-24 03	-	China	25 December 2023	Yangjiang	95.7	97.3	560	553	Test satellite	-	-	-	-	China	-
2023-207A	57th BeiDou Navigation	-	China	26 December 2023	XSLC	775.4	55	21 528	21 528	Navigation satellite	-	-	-	-	China	-

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						Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)			Date when no longer functional (UTC)	Date when moved to a disposal orbit (UTC)	Physical conditions when moved to a disposal orbit	Owner or operator	Launch vehicle
	Satellite System (BDS) Satellite															
2023-207B	58th BeiDou BDS Satellite	-	China	26 December 2023	XSLC	775.4	55	21 528	21 528	Navigation satellite	-	-	-	-	China	-
2023-208A	Tianmu-1 19	-	China	27 December 2023	JSLC	95	97.5	525	517	-	-	-	-	-	-	-
2023-208B	Tianmu-1 20	-	China	27 December 2023	JSLC	95	97.5	525	517	-	-	-	-	-	-	-
2023-208C	Tianmu-1 21	-	China	27 December 2023	JSLC	95	97.5	525	517	-	-	-	-	-	-	-
2023-208D	Tianmu-1 22	-	China	27 December 2023	JSLC	95	97.5	525	517	-	-	-	-	-	-	-
2023-212A	CSCN-B0001	-	China	30 December 2023 at 0013 hours 54 seconds	JSLC	108	50	1 105	1 105	Communications technology experimental satellite	-	-	-	-	China	CZ- 2C/YZ- 1S
2023-212B	CSCN-B0002	-	China	30 December 2023 at 0013 hours 54 seconds	JSLC	108	50	1 105	1 105	Communications technology experimental satellite	-	-	-	-	China	CZ- 2C/YZ- 1S
2023-212C	CSCN-B0003	-	China	30 December 2023 at 0013 hours 54 seconds	JSLC	108	50	1 105	1 105	Communications technology experimental satellite	-	-	-	-	China	CZ- 2C/YZ- 1S

^a Launch conducted by the Taiyuan Satellite Launch Centre

Abbreviations

Location of the launch: HOS, Haiyang Oriental Spaceport, China; JSLC, Jiuquan Satellite Launch Centre, China; TSLC, Taiyuan Satellite Launch Centre, China; WSLS, Wenchang Satellite Launch Centre, China; and XSLC, Xichang Satellite Launch Centre, China.

Launch vehicle: CZ-2C, Long March-2C; CZ-2C/YZ-1S, Long March-2C launch vehicle/YZ-1S upper-stage; CZ-2D, Long March-2D; CZ-2D/YZ-3, CZ-2D launch vehicle/YZ-3 upper-stage; CZ-3B, Long March-3B; CZ-4B, Long March-4B; CZ-4C, Long March-4C; KZ-1A, Kuaizhou-1A; ZK-1A, Lijian-1; and ZQ-2-Y3, Zhuque 2 Yao 3.