



**Committee on the Peaceful
Uses of Outer Space**

**Information furnished in conformity with the Convention
on Registration of Objects Launched into Outer Space**

**Note verbale dated 21 August 2018 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 General Assembly resolution [62/101](#), has the honour to transmit information concerning 48 space objects launched by China between July 2016 and June 2018 (see annexes I and II).*

* The data on space objects referenced in the annexes had been entered into the Register of Objects Launched into Outer Space as at 30 September 2018.



Annex I

Registration data on space objects launched by China*

Gaofen 3 (GF-3)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-049A
Name of space object	Gaofen 3 (GF-3)
State of registry	China
Date and territory or location of launch	9 August 2016 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-4C

Shijian 17 (SJ-17)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-065A
Name of space object	Shijian 17 (SJ-17)
National designator/registration number	SJ-17
State of registry	China
Date and territory or location of launch	3 November 2016 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Communication

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

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position	124.8 degrees East
Space object owner or operator	China
Launch vehicle	CZ-5

XPNAV 1

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-066A
Name of space object	XPNAV 1
National designator/registration number	XPNAV 1
State of registry	China
Date and territory or location of launch	9 November 2016 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94.62 minutes
Inclination	97.41 degrees
Apogee	500 kilometres
Perigee	500 kilometres
General function of space object	Space science

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chinese Academy of Sciences
Launch vehicle	CZ-11

Xiaoxiang 1

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-066B
Name of space object	Xiaoxiang 1
State of registry	China
Date and territory or location of launch	9 November 2016 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94 minutes
Inclination	95 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Scientific research

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Spacety
Launch vehicle	CZ-11

PINA 2-1 (PN-2A)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-066C
Name of space object	PINA 2-1 (PN-2A)
State of registry	China
Date and territory or location of launch	9 November 2016 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	For scientific experiments, territorial resources survey, crop yield estimation, disaster mitigation, etc.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Launch vehicle	CZ-11
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PINA 2-2 (PN-2B)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-066D
Name of space object	PINA 2-2 (PN-2B)
State of registry	China
Date and territory or location of launch	9 November 2016 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	For scientific experiments, territorial resources survey, crop yield estimation, disaster mitigation, etc.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Launch vehicle CZ-11

Yunhai 1 (YL-1)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator 2016-068A

Name of space object Yunhai 1 (YL-1)

State of registry China

Date and territory or location of launch 11 November 2016 UTC;
Jiuquan Satellite Launch Centre, China

Basic orbital parameters

Nodal period -

Inclination -

Apogee -

Perigee -

General function of space object Environmental monitoring and scientific research

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator China

Launch vehicle CZ-2D

Tianlian 1-04 (TL-1 (04))

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator 2016-072A

Name of space object Tianlian 1-04 (TL-1 (04))

National designator/registration number TL-1 (04)

State of registry China

Date and territory or location of launch 22 November 2016 UTC;
Xichang Satellite Launch Centre, China

Basic orbital parameters

Nodal period -

Inclination -

Apogee -

Perigee -

General function of space object Communication

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position	77 degrees East
Space object owner or operator	China
Launch vehicle	CZ-3B

Fengyun 4A

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-077A
Name of space object	Fengyun 4A
State of registry	China
Date and territory or location of launch	10 December 2016 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	1,437 minutes
Inclination	0±0.2 degrees
Apogee	35,785.34 kilometres
Perigee	35,785.31 kilometres
General function of space object	Meteorological observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Change of orbital position	
Previous orbital position	99.5 degrees East
New orbital position	104.7 degrees East
Space object owner or operator	China Meteorological Administration
Launch vehicle	CZ-3B

TanSat (CarbonSat)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-081A
Name of space object	TanSat (CarbonSat)
National designator/registration number	TanSat
State of registry	China
Date and territory or location of launch	21 December 2016 UTC; Jiuquan Satellite Launch Centre, China

Basic orbital parameters	
Nodal period	99 minutes
Inclination	98.2 degrees
Apogee	727 kilometres
Perigee	696 kilometres
General function of space object	Scientific research

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Ministry of Science and Technology of China
Launch vehicle	CZ-2D

Yijian

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-081B
Name of space object	Yijian
State of registry	China
Date and territory or location of launch	21 December 2016 UTC; Jiuquan Satellite Launch Centre, China

Basic orbital parameters	
Nodal period	98.93 minutes
Inclination	98.27 degrees
Apogee	722.8 kilometres
Perigee	691.9 kilometres
General function of space object	Remote sensing of the Earth

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Innovation Academy for Microsatellites, Chinese Academy of Sciences
Launch vehicle	CZ-2D

Spark 01

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-081C
Name of space object	Spark 01
State of registry	China

Date and territory or location of launch	21 December 2016 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	100 minutes
Inclination	98 degrees
Apogee	700 kilometres
Perigee	700 kilometres
General function of space object	Hyperspectral imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Innovation Academy for Microsatellites, Chinese Academy of Sciences
Launch vehicle	CZ-2D

Spark 02

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-081D
Name of space object	Spark 02
State of registry	China
Date and territory or location of launch	21 December 2016 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	100 minutes
Inclination	98 degrees
Apogee	700 kilometres
Perigee	700 kilometres
General function of space object	Hyperspectral imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Innovation Academy for Microsatellites, Chinese Academy of Sciences
Launch vehicle	CZ-2D

Superview 1-01 (GJ-1-01)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-083A
Name of space object	Superview 1-01(GJ-1-01)

National designator/registration number	GJ-1-01
State of registry	China
Date and territory or location of launch	28 December 2016 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94.8 minutes
Inclination	97.5 degrees
Apogee	520 kilometres
Perigee	520 kilometres
General function of space object	Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Siwei Star Co. Ltd.
Launch vehicle	CZ-2D

Superview 1-02 (GJ-1-02)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-083B
Name of space object	Superview 1-02 (GJ-1-02)
National designator/registration number	GJ-1-02
State of registry	China
Date and territory or location of launch	28 December 2016 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94.8 minutes
Inclination	97.5 degrees
Apogee	520 kilometres
Perigee	520 kilometres
General function of space object	Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Siwei Star Co. Ltd.
Launch vehicle	CZ-2D

Tongxin Jishu Shiyan 2 (TJS-2)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-001A
Name of space object	Tongxin Jishu Shiyan 2 (TJS-2)

State of registry	China
Date and territory or location of launch	5 January 2017 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Satellite communication

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-3B

XY S 1

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-002A
Name of space object	XY S 1
State of registry	China
Date of launch	9 January 2017 UTC

Basic orbital parameters	
Nodal period	95 minutes
Inclination	97.6 degrees
Apogee	532 kilometres
Perigee	532 kilometres
General function of space object	Communication

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China Aerospace Science and Industry Corporation Limited
Launch vehicle	KZ-1A

Jilin 1-03

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-002B
Name of space object	Jilin 1-03

State of registry	China
Date and territory or location of launch	9 January 2017 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.3471 minutes
Inclination	97.6255 degrees
Apogee	535.5 kilometres
Perigee	534.9 kilometres
General function of space object	Earth imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chang Guang Satellite Technology Co., Ltd.
Launch vehicle	KZ-1A

Tiankun 1

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-012A
Name of space object	Tiankun 1
National designator/registration number	TK 1
State of registry	China
Date and territory or location of launch	2 March 2017 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	92 minutes
Inclination	97 degrees
Apogee	394 kilometres
Perigee	394 kilometres
General function of space object	Remote sensing and communication

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China Aerospace Science and Industry Corporation Limited
Launch vehicle	KT-2A

Shijian 13 (SJ-13, ChinaSat 16)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-018A
Name of space object	Shijian 13 (SJ-13, ChinaSat 16)
National designator/registration number	CS-16
State of registry	China
Date and territory or location of launch	12 April 2017 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Radio communication

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position	110.5 degrees East
Space object owner or operator	China Satellite Communications Co., Ltd.
Launch vehicle	CZ-3B

Hard X-ray Modulation Telescope (HXMT)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-034A
Name of space object	Hard X-ray Modulation Telescope (HXMT)
National designator/registration number	HXMT
State of registry	China
Date and territory or location of launch	15 June 2017 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Space science

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chinese Academy of Sciences
Launch vehicle	CZ-4B

Zhuhai 1-02 (OVS-1B)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-034B
Name of space object	Zhuhai 1-02 (OVS-1B)
National designator/registration number	OVS-1B
State of registry	China
Date and territory or location of launch	15 June 2017 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.0 minutes
Inclination	43.0 degrees
Apogee	530 kilometres
Perigee	530 kilometres
General function of space object	Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Zhuhai Orbita Control Engineering Co., Ltd.
Launch vehicle	CZ-4B

Zhuhai 1-01 (OVS-1A)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-034D
Name of space object	Zhuhai 1-01 (OVS-1A)
National designator/registration number	OVS-1A
State of registry	China
Date and territory or location of launch	15 June 2017 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.0 minutes
Inclination	43.0 degrees
Apogee	530 kilometres

Perigee	530 kilometres
General function of space object	Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Zhuhai Orbita Control Engineering Co., Ltd.
Launch vehicle	CZ-4B

ChinaSat 9A (Zhongxing 9A)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-035A
Name of space object	ChinaSat 9A (Zhongxing 9A)
National designator/registration number	ChinaSat 9A
State of registry	China
Date and territory or location of launch	18 June 2017 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Communication

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position	101.4 degrees East
Space object owner or operator	China Satellite Communications Co., Ltd.
Launch vehicle	CZ-3B

AsiaSat 9

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-057A
Name of space object	AsiaSat 9
State of registry	China
Date and territory or location of launch	28 September 2017 UTC; Baikonur Cosmodrome, Kazakhstan
Basic orbital parameters	
Nodal period	1,436 minutes 4 seconds

Inclination	0±0.1 degrees
Apogee	35,796 kilometres
Perigee	35,775 kilometres
General function of space object	Communications satellite

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Asia Satellite Telecommunications Co. Ltd.
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Beidou-3 M1 (BD-1)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-069A
Name of space object	Beidou-3 M1 (BD-1)
State of registry	China
Date and territory or location of launch	5 November 2017 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Navigation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-3B

Beidou-3 M2 (BD-2)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-069B
Name of space object	Beidou-3 M2 (BD-2)
State of registry	China
Date and territory or location of launch	5 November 2017 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-

Perigee	-
General function of space object	Navigation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-3B

Fengyun 3D

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-072A
Name of space object	Fengyun 3D
State of registry	China
Date and territory or location of launch	14 November 2017 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	101.37 minutes
Inclination	98.657 degrees
Apogee	-
Perigee	-
General function of space object	Meteorological monitoring

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China Meteorological Administration
Launch vehicle	CZ-4C

Jilin 1-04

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-074A
Name of space object	Jilin 1-04
State of registry	China
Date and territory or location of launch	21 November 2017 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.35 minutes
Inclination	97.54 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Earth imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chang Guang Satellite Technology Co., Ltd.
Launch vehicle	CZ-6

Jilin 1-05

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-074B
Name of space object	Jilin 1-05
State of registry	China
Date and territory or location of launch	21 November 2017 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.35 minutes
Inclination	97.54 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Earth imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chang Guang Satellite Technology Co., Ltd.
Launch vehicle	CZ-6

Jilin 1-06

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-074C
Name of space object	Jilin 1-06
State of registry	China
Date and territory or location of launch	21 November 2017 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.35 minutes
Inclination	97.54 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Earth imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chang Guang Satellite Technology Co., Ltd.
Launch vehicle	CZ-6

Superview 1-03 (GJ-1-03)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-002A
Name of space object	Superview 1-03 (GJ-1-03)
State of registry	China
Date and territory or location of launch	9 January 2018 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94.8 minutes
Inclination	97.5 degrees
Apogee	520 kilometres
Perigee	520 kilometres
General function of space object	Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Siwei Star Co. Ltd.
Launch vehicle	CZ-2D

Superview 1-04 (GJ-1-04)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-002B
Name of space object	Superview 1-04 (GJ-1-04)
State of registry	China
Date and territory or location of launch	9 January 2018 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94.8 minutes
Inclination	97.5 degrees
Apogee	520 kilometres
Perigee	520 kilometres
General function of space object	Earth observation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Siwei Star Co. Ltd.
Launch vehicle	CZ-2D

Xiaoxiang 2

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-008A
Name of space object	Xiaoxiang 2
State of registry	China
Date and territory or location of launch	19 January 2018 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94 minutes
Inclination	95 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Scientific research

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Spacety
Launch vehicle	CZ-11

Quantutong 1

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-008D
Name of space object	Quantutong 1
State of registry	China
Date and territory or location of launch	19 January 2018 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94 minutes
Inclination	95 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Scientific research

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Spacety
Launch vehicle	CZ-11

Jilin 1 Video 7 (Jilin 1-07)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-008E
Name of space object	Jilin 1 Video 7 (Jilin 1-07)
State of registry	China
Date and territory or location of launch	19 January 2018 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.35 minutes
Inclination	97.54 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Earth imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chang Guang Satellite Technology Co., Ltd.
Launch vehicle	CZ-11

Jilin 1 Video 8 (Jilin 1-08)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-008F
Name of space object	Jilin 1 Video 8 (Jilin 1-08)
State of registry	China
Date and territory or location of launch	19 January 2018 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95.35 minutes
Inclination	97.54 degrees
Apogee	535 kilometres
Perigee	535 kilometres
General function of space object	Earth imaging

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Chang Guang Satellite Technology Co., Ltd.
Launch vehicle	CZ-11

Zhangzheng 1 (ZH-1)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-015C
Name of space object	Zhangzheng 1 (ZH-1)
National designator/registration number	ZH-1
State of registry	China
Date and territory or location of launch	2 February 2018 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	94.67 minutes
Inclination	97 degrees
Apogee	505 kilometres
Perigee	500 kilometres
General function of space object	Scientific research

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China Earthquake Administration
Launch vehicle	CZ-2D

Beidou 3 (BD-3)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-018A
Name of space object	Beidou 3 (BD-3)
State of registry	China
Date and territory or location of launch	12 February 2018 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Navigation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-3B

Beidou 4 (BD-4)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-018B
Name of space object	Beidou 4 (BD-4)
State of registry	China
Date and territory or location of launch	12 February 2018 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	-
Perigee	-
General function of space object	Navigation

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-3B

Gaofen 1-02 (GF-1-02)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-031A
Name of space object	Gaofen 1-02 (GF-1-02)
National designator/registration number	GF-1-02
State of registry	China
Date and territory or location of launch	31 March 2018 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	97.469 minutes
Inclination	97.960 degrees
Apogee	644.719 kilometres
Perigee	644.719 kilometres
General function of space object	For general survey of land territory, crop yield estimation, disaster mitigation, etc.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Ministry of Natural Resources
Launch vehicle	CZ-4C

Gaofen 1-03 (GF-1-03)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-031B
Name of space object	Gaofen 1-03 (GF-1-03)
National designator/registration number	GF-1-03
State of registry	China
Date and territory or location of launch	31 March 2018 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	97.469 minutes
Inclination	97.960 degrees
Apogee	644.719 kilometres
Perigee	644.719 kilometres
General function of space object	For general survey of land territory, crop yield estimation, disaster mitigation, etc.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Ministry of Natural Resources of China
Launch vehicle	CZ-4C

Gaofen 1-04 (GF-1-04)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-031D
Name of space object	Gaofen 1-04 (GF-1-04)
National designator/registration number	GF-1-04
State of registry	China
Date and territory or location of launch	31 March 2018 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	97.469 minutes
Inclination	97.960 degrees
Apogee	644.719 kilometres

Perigee	644.719 kilometres
General function of space object	For general survey of land territory, crop yield estimation, disaster mitigation, etc.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Ministry of Natural Resources of China
Launch vehicle	CZ-4C

APSTAR 6C

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-041A
Name of space object	APSTAR 6C
National designator/registration number	APSTAR 6C
State of registry	China
Date and territory or location of launch	3 May 2018 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	1,440 minutes
Inclination	0±0.05 degrees
Apogee	35,786 kilometres
Perigee	35,786 kilometres
General function of space object	Communications satellite

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position	134 degrees East
Space object owner or operator	APT Satellite Company Limited
Launch vehicle	CZ-3B

Gaofen 5

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-043A
Name of space object	Gaofen 5
State of registry	China
Date and territory or location of launch	8 May 2018 UTC; Taiyuan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	98.840 minutes

Inclination	98.125 degrees
Apogee	711.961 kilometres
Perigee	697.285 kilometres
General function of space object	Remote sensing

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-4C

Queqiao

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-045A
Name of space object	Queqiao
National designator/registration number	Queqiao
State of registry	China
Date and territory or location of launch	20 May 2018 UTC; Xichang Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	-
Inclination	-
Apogee	1,500,000 kilometres
Perigee	1,500,000 kilometres
General function of space object	To set up a communication link between the Earth and the far side of the Moon

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	China
Launch vehicle	CZ-4C
Celestial body space object is orbiting	Moon

Luojia 1-01

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2018-048B
Name of space object	Luojia 1-01
National designator/registration number	Luojia 1A
State of registry	China

Date and territory or location of launch 2 June 2018 at 0413 hours and 4 seconds
UTC;
Jiuquan Satellite Launch Centre, China

Basic orbital parameters

Nodal period 97.638 minutes
Inclination 98.045 degrees
Apogee 647.816 kilometres
Perigee 643.498 kilometres

General function of space object Scientific research

**Additional voluntary information for use in the Register of Objects Launched
into Outer Space**

Space object owner or operator Wuhan University

Launch vehicle CZ-2D

Annex II

Additional information on a space object registered by China

QSS

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2016-051A
Name of space object	QSS
National designator/registration number	KX-02
State of registry	China
Registration document	ST/SG/SER.E/789
Date and territory or location of launch	15 August 2016 UTC; Jiuquan Satellite Launch Centre, China
Basic orbital parameters	
Nodal period	95 minutes
Inclination	97.4 degrees
Apogee	503 kilometres
Perigee	498 kilometres
General function of space object	Scientific research

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	Innovation Academy for Microsatellites, Chinese Academy of Sciences
Launch vehicle	CZ-2D