UK Civil Aviation Authority

UK register of space objects and launches

To comply with international obligations, section 61 of the Space Industry Act 2018 and section 7 of the Outer Space Act 1986

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Section One: UK register of outer space objects

Introduction

The UK is a signatory to several United Nations (UN) treaties governing the use of outer space including the Convention on the Registration of Space Objects 1976 ('Registration Convention').

One of the purposes of the Registration Convention is to ensure that a central registry of objects launched into outer space is established and maintained by the Secretary-General of the UN. As such, when a space object is launched, the Registration Convention requires the 'launching State' to notify the UN. The Convention defines the 'launching State' to mean either the State from whose territory the object was launched or the State which procured its launch (or whose nationals did).

The UN keeps information provided by member states relating to their space activity on its website. Furthermore, the Registration Convention requires the UK to maintain its own registry, and this is embodied in Section 7 of the Outer Space Act 1986 (OSA) and Section 61 of the Space Industry Act 2018 (SIA).

The OSA and SIA ensure that there is transparency in the UK's space activity by stating that any person is able to inspect the register free of charge. As such, the UK Civil Aviation Authority maintains this register on its website.

There are also situations where the UK is not the 'launching State' for a particular object but has issued an OSA or SIA licence. This would include circumstances where there are joint launching States and it is decided that the other state will register the space object with the UN. These objects are included in the supplementary register of outer space objects which is also maintained on the CAA's website.

United Nations Office for Outer Space Affairs website:

http://www.oosa.unvienna.org/oosa/en/SORegister/index.html

UK Civil Aviation Authority website:

https://www.caa.co.uk

Glossary of Terms

Apogee

The point on the orbit where the space object is furthest from the Earth.

Catalogue Number

The North American Aerospace Defense Command (NORAD) catalogue number is made up of five digits. It is unique to each space object and allows for tracking by NORAD. This system has been used since the first satellite was launched in 1957.

Designation

This is the designation assigned by the Committee on Space Research (COSPAR) to each space object launched. This number remains constant and reflects the year of the launch and the sequence of launch within that year. The inclusion of a letter, for example, ‘A’ indicates that the object was the first satellite catalogued from that launch.

Geostationary orbit

A geosynchronous orbit with an inclination of zero degrees and one in which the object is synchronised with the Earth’s rotation. The space object will appear to remain fixed above one particular point on the Earth’s equator. In geostationary orbit the space object is positioned approximately 35,900 km above the Earth.

Geostationary Transfer Orbit (GTO)

An elliptical orbit used to transfer a space object from low Earth orbit to geostationary/ geosynchronous orbit.

Geosynchronous orbit

A prograde, circular, low inclination orbit about the Earth having a period of 23 hours 56 minutes 4 seconds. A space object in such an orbit is tilted with respect to the plane of the equator. This means that the space object will remain over the same line of longitude but will wander up and down in latitude.

Inclination

The angular distance of the orbital plane from the Earth’s equator, stated in degrees.

Low Earth Orbit (LEO)

A space object in low Earth orbit is positioned between 160 km and 2,000 km above the Earth.

Medium Earth Orbit (MEO)

A space object that orbits the Earth below geostationary orbit and above low Earth orbit.

Nodal period

The time it takes a space object to travel once from ascending node to ascending node. The ascending node is the point at which an orbit crosses the ecliptic plane going north. The descending node is the point at which an orbit crosses the ecliptic plane going south.

Orbital Position

The longitude position around the geostationary orbit. The space objects are all approximately fixed in the sky above the equator.

Perigee

The point on the orbit where the object is nearest to the Earth.

SKYNET-1A

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

22 November 1969

Location of launch

Cape Canaveral, USA

Designation

1969-101A

Catalogue Number

4250

Nodal period

1,435.13 minutes

Inclination

1.56 degrees

Apogee

35,784 km

Perigee

35,794 km

Orbital position

Not applicable

General Function

Military communications

Notified to the UN

1 January 1990

Disposed or decayed

Lifetime estimate (unit decay) > 1 million years

Disposal Notified to the UN

6 December 1969

Accepted onto UK Register of Space Objects Objects

6 December 1989

Licence issued under the Outer Space Act 1986

Not applicable

Additional information

Non-operational/not re-orbited. Now appears to be caught at 105 W stable point.

PROSPERO (Formerly X3)

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

28 October 1971

Location of launch

Woomera, Australia

Designation

1971-093A

Catalogue Number

5580

Nodal period

106.53 minutes

Inclination

82.06 degrees

Apogee

1,582 km

Perigee

547 km

Orbital position

Not available

General Function

Technology satellite

Notified to the UN

3 November 1971

Disposed or decayed

Estimated lifetime (to decay) 150 years

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects Objects

7 August 1992

Licence issued under the Outer Space Act 1986

Not available

Additional information

Non-operational.

BLACK ARROW (Rocket Booster)

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

28 October 1971

Location of launch

Woomera, Australia

Designation

1971-093B

Catalogue Number

5581

Nodal period

103.8 minutes

Inclination

82 degrees

Apogee

7,722.5 km

Perigee

6,907.4 km

Orbital position

Not Available

General Function

Rocket body from launch of Prospero (Cat. No: 5580)

Notified to the UN

Not Available

Disposed or decayed

Not Available

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects Objects

7 August 1992

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Non-operational

MIRANDA (Formerly UK X4)

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

9 March 1974

Location of launch

Vandenberg Air Force Base, USA

Designation

1974-13A

Catalogue Number

7213

Nodal period

101.2 minutes

Inclination

97.81 degrees

Apogee

916 km

Perigee

714 km

Orbital position

Not Available

General Function

Spacecraft Technology

Notified to the UN

12 April 1974

Disposed or decayed

Lifetime estimate 60 years.

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects Objects

29 March 1974

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Non-operational.

ARIEL V (Formerly UK5)

Owner/Operator

Science and Engineering Research Council, Polaris House, North Star Avenue, Swindon, SN21ET

Date of launch

15 October 1974

Location of launch

San Marco Equatorial Range, Kenya

Designation

1974-077A

Catalogue Number

7471

Nodal period

94.96 minutes

Inclination

2.88 degrees

Apogee

549 km

Perigee

504 km

Orbital position

Not Available

General Function

Cosmic X-ray astronomy

Notified to the UN

7 November 1974

Disposed or decayed

Decayed 14 March 1980

Disposal Notified to the UN

21 February 1990

Accepted onto UK Register of Space Objects Objects

28 October 1974

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Notified the UN on 21 February 1990 that the satellite had decayed and was no longer in Earth orbit.

SKYNET-2B

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

23 November 1974

Location of launch

Cape Canaveral, USA

Designation

1974-094A

Catalogue Number

7547

Nodal period

1,469.5 minutes

Inclination

1.9 degrees

Apogee

35,794 km

Perigee

35,784 km

Orbital position

Not Available

General Function

Military Communications

Notified to the UN

Not Available

Disposed or decayed

Lifetime estimate > 1 million years

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

6 December 1989

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Uncontrolled/not re-orbited

.

ARIEL VI (Formerly UK6)

Owner/Operator

Science and Engineering Research Council, Polaris House, North Star Avenue, Swindon, SN21ET

Date of launch

2 June 1979

Location of launch

Wallops Island, USA

Designation

1979-47A

Catalogue Number

11382

Nodal period

97.21 minutes

Inclination

55.03 degrees

Apogee

654 km

Perigee

600 km

Orbital position

Not available

General Function

Detection of heavy cosmic particles and X-ray astronomy

Notified to the UN

10 October 1979

Disposed or decayed

Decayed 23 September 1990

Disposal Notified to the UN

13 September 1979

Accepted onto UK Register of Space Objects

10 October 1979

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Non-operational.

UOSAT-1 (OSCAR 9)

Owner/Operator

University of Surrey, Dept. of Electronic & Electrical Engineering, Guildford, Surrey, GU2 5XH

Date of launch

6 October 1981

Location of launch

Vandenberg Space Force Base, USA

Designation

1981-100B

Catalogue Number

12888

Nodal period

95.46 minutes

Inclination

97.46 degrees

Apogee

541 km

Perigee

538 km

Orbital position

Not Available

General Function

Communications and geophysics research

Notified to the UN

9 August 1985

Disposed or decayed

Decayed 13 October 1989

Disposal Notified to the UN

8 December 1989

Accepted onto UK Register of Space Objects

4 July 1985

Licence issued under the Outer Space Act 1986

Not available

Additional information

Notified the UN on 8 December 1989 that the satellite had decayed and was no longer in Earth orbit

.

UOSAT 2 (Oscar 11)

Owner/Operator

University of Surrey, Dept. of Electronic & Electrical Engineering, Guildford, Surrey, GU2 5XH

Date of launch

1 March 1984

Location of launch

Vandenberg Space Force Base, USA

Designation

1984-21B

Catalogue Number

14781

Nodal period

97.33 minutes

Inclination

98.20 degrees

Apogee

635 km

Perigee

621 km

Orbital position

Not Available

General Function

Communications and geophysics research

Notified to the UN

1 January 1990

Disposed or decayed

Lifetime estimate 80 years

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

4 July 1985

Licence issued under the Outer Space Act 1986

31 January 1990

Additional information

Non-Operational

AMPTE (UKS 1)

Owner/Operator

Science and Engineering Research Council, Polaris House, North Star Avenue, Swindon, SN21ET

Date of launch

16 August 1984

Location of launch

Cape Canaveral, USA

Designation

1984-088C

Catalogue Number

15201

Nodal period

2,653.9 minutes

Inclination

28.68 degrees

Apogee

113,729 km

Perigee

552 km

Orbital position

Not Available

General Function

Magnetosphere research satellite

Notified to the UN

9 August 1985

Disposed or decayed

Decayed 8 December 1988

Disposal Notified to the UN

21 February 1990

Accepted onto UK Register of Space Objects

4 July 1985

Licence issued under the Outer Space Act 1986

Not available

Additional information

UN notified on 21 February 1990 that the satellite had decayed and was no longer in Earth orbit (8th December)

.

SKYNET-4B

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A2HB

Date of launch

11 December 1988

Location of launch

Kourou, French Guiana

Designation

1988-109A

Catalogue Number

19687

Nodal period

1,436 originally, now 1,444 minutes

Inclination

3 degrees

Apogee

35,796 km

Perigee

35,778 km

Orbital position

Not Available

General Function

Military Communications

Notified to the UN

1 January 1990

Disposed or decayed

Lifetime estimate (unit decay) >1 million years

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

6 December 1989

Licence issued under the Outer Space Act 1986

Not available

Additional information

Re-orbited above geostationary ring in June 1998. Now approximately 150 km above GEO.

SKYNET-4A

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A2HB

Date of launch

1 January 1990

Location of launch

Cape Canaveral, USA

Designation

1990-001A

Catalogue Number

20401

Nodal period

1,427.6 Minutes

Inclination

3.34 Degrees

Apogee

35,492 km

Perigee

35,784 km

Orbital position

340 W

General Function

Military Communications

Notified to the UN

12 April 1990

Disposed or decayed

Lifetime estimate > 1 million years

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

4 April 1990

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Operations Licence issued to Paradigm on 29 May 2003. Placed in supersynchronous orbit on 20 June 2005, its height above GEO was measured to be 417km (apogee) and 307km (perigee).

UOSAT 3 - OSCAR 14

Owner/Operator

University of Surrey, Dept. of Electronic & Electrical Engineering, Guildford, Surrey, GU2 5XH

Date of launch

22 January 1990

Location of launch

Kourou, French Guiana

Designation

1990-005F

Catalogue Number

20437

Nodal period

100.6 minutes

Inclination

98.22 degrees

Apogee

792 km

Perigee

776 km

Orbital position

Not Available

General Function

Demonstration of store and forward communications with extensive radiation monitoring experiments.

Notified to the UN

Not Available

Disposed or decayed

Lifetime estimate is 300 years

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

4 April 1990

Licence issued under the Outer Space Act 1986

5 January 1990

Additional information

Deactivated 11 November 2003.

UOSAT 4 - OSCAR 15

Owner/Operator

University of Surrey, Dept. of Electronic & Electrical Engineering, Guildford, Surrey, GU2 5XH

Date of launch

22 January 1990

Location of launch

Kourou, French Guiana

Designation

1990-005G

Catalogue Number

20438

Nodal period

100.8 Minutes

Inclination

98.72 degrees

Apogee

805 Km

Perigee

787 km

Orbital position

Not available

General Function

Technology demonstration mission carrying solar cell experiments

Notified to the UN

12 April 1990

Disposed or decayed

Lifetime estimate is 300 years

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

4 April 1990

Licence issued under the Outer Space Act 1986

5 January 1990

Additional information

Inactive

SKYNET - 4C

Owner/Operator

Babcock Integrated Technology Limited, 33 Wigmore Street, London, W1Q 1QX

Date of launch

30 August 1990

Location of launch

Kourou, French Guiana

Designation

1990-079A

Catalogue Number

20776

Nodal period

1,436.219 minutes

Inclination

13.221 degrees

Apogee

35,804.951 km

Perigee

35,773.044 km

Orbital position

-33.4°E

General Function

UK military communications satellite

Notified to the UN

23 July 1991

Disposed or decayed

Lifetime estimate (unit decay) > 1 million years

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

5 June 1991

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Operations Licence issued to Paradigm on 29 May 2003. Licence transferred to Airbus Defence and Space Limited on 1 January 2015. Licence transferred and issued under the Space Industry Act 2018 on 28 February 2024 to Babcock Integrated Technology Limited.

UOSAT-5

Owner/Operator

Surrey Satellite Technology Ltd, Senate House, University of Surrey, Guildford, Surrey, GU25XH

Date of launch

17 July 1991

Location of launch

Kourou, French Guiana

Designation

1991-050B

Catalogue Number

21575

Nodal period

100.3 Minutes

Inclination

98.32 degrees

Apogee

762 km

Perigee

752 km

Orbital position

Not Available

General Function

Engineering Research

Notified to the UN

7 January 1992

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

18 July 1991

Licence issued under the Outer Space Act 1986

3 May 1991

Additional information

Deactivated 18 August 2004

STRV-1A

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

17 June 1994

Location of launch

Kourou, French Guiana

Designation

1992-034B

Catalogue Number

23125

Nodal period

527 Minutes

Inclination

7.03 degrees

Apogee

35,836 km

Perigee

277 km

Orbital position

Not Available

General Function

Technology Research

Notified to the UN

19 October 2000

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

Not Available

Licence issued under the Outer Space Act 1986

Not Available

Additional information

Not available

STRV-1B

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

17 June 1994

Location of launch

Kourou, Frenc Guiana

Designation

1994-034C

Catalogue Number

23126

Nodal period

511 Minutes

Inclination

7.02 degrees

Apogee

35,887 km

Perigee

285 km

Orbital position

Not available

General Function

Technology research

Notified to the UN

19 October 2000

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

Not available

Licence issued under the Outer Space Act 1986

Not available

Additional information

Not available

ORION-1

Owner/Operator

British Aerospace Space Systems Ltd

Date of launch

29 November 1994

Location of launch

Cape Canaveral, USA

Designation

1994-079A

Catalogue Number

23413

Nodal period

1436 minutes

Inclination

0.06 degrees

Apogee

35,801 km

Perigee

35,775 km

Orbital position

Not available

General Function

Direct broadcast satellite

Notified to the UN

19 October 2000

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

12 December 1994

Licence issued under the Outer Space Act 1986

1 June 1994

Additional information

ORION-1 is now TELESTAR 11 and has been operated by Loral Skynet since October 1997. NASA's original launch notification of this satellite said that it was German.

SKYNET-4D

Owner/Operator

Ministry of Defence, Main Building, Whitehall, London, SW1A 2HB

Date of launch

10 January 1998

Location of launch

Cape Canaveral, USA

Designation

1998-002A

Catalogue Number

25134

Nodal period

1,436 Minutes

Inclination

4.12 degrees

Apogee

35,813 km

Perigee

35760 km

Orbital position

340 W

General Function

Military Communications

Notified to the UN

19 October 2000

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

27 May 1998

Licence issued under the Outer Space Act 1986

29 May 2003

Additional information

Licence issued to Matra Marconi Space UK Ltd on 12 August 1997 to procure the launch of, and subsequently operate, the satellite. Title and operational control of SKYNET 4D transferred to the UK Ministry of Defence on 20 May 1998. Operation Licence issued to Paradigm on 29 May 2003. Placed in a super-synchronous orbit 28 Jan 2008, its height above GEO was measured to be 315km (apogee) and 296km (perigee).

SKYNET- 4E

Owner/Operator

Babcock Integrated Technology Limited, 33 Wigmore Street, London, W1Q 1QX

Date of launch

26 February 1999

Location of launch

Kourou, French Guiana

Designation

1999-009B

Catalogue Number

25639

Nodal period

1,436.172 minutes

Inclination

11.474 degrees

Apogee

35,800.822 km

Perigee

35,775.329 km

Orbital position

1.2W (previous orbital position: 6°E)

General Function

Military Communications

Notified to the UN

19 October 2000

Disposed or decayed

Lifetime estimate (unit decay) > 1 million years

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

27 May 1998

Licence issued under the Outer Space Act 1986

29 May 2003

Additional information

Licence issued to Matra Marconi Space UK Ltd on 20th May 1998 to procure the launch of, and subsequently operate, the satellite. Technical transfer to Ministry of Defence on 7 July 1999. Operation Licence issued to Paradigm on 29 May 2003. Operations licence transferred to Airbus Defence and Space Limited on 1 January 2015. Licence transferred and issued under the Space Industry Act 2018 on 28 February 2024 to Babcock Integrated Technology Limited.

UOSAT-12

Owner/Operator

Surrey Satellite Technology Ltd, University of Surrey, Guildford, Surrey, GU2 5XH

Date of launch

24 April 1999

Location of launch

Baikonur, Kazakhstan

Designation

1999-021A

Catalogue Number

25693

Nodal period

97.51 minutes

Inclination

64.56 degrees

Apogee

662 km

Perigee

614 km

Orbital position

Not Available

General Function

Engineering and technology research

Notified to the UN

19 October 2000

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

30 April

Licence issued under the Outer Space Act 1986

19 April 1999

Additional information

Deactivated 21 September 2003

SNAP-1

Owner/Operator

Surrey Satellite Technology Ltd, University of Surrey, Guildford, Surrey, GU2 5XH

Date of launch

28 June 2000

Location of launch

Plesetsk, Russia

Designation

2000-033C

Catalogue Number

26386

Nodal period

98.3 minutes

Inclination

98.42 degrees

Apogee

682 km

Perigee

667 km

Orbital position

Not available

General Function

Research spacecraft for evaluating the use of commercial micro-miniature technologies for highly advanced, yet tiny, satellites.

Notified to the UN

19 October 2000

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

3 August 2000

Licence issued under the Outer Space Act 1986

26 June 2000

Additional information

Deactivate 30 March 2002

EUROPE*STAR 1

Owner/Operator

Europe*Star Ltd, 5 New Square, Bedfont Lakes, Feltham, Middlesex, TW14 8HA

Date of launch

29 October 2000

Location of launch

Kourou, French Guiana

Designation

2000-068A

Catalogue Number

26590

Nodal period

24 hours

Inclination

0 degrees (plus or minus 0.1)

Apogee

35,796 km

Perigee

35,776 km

Orbital position

45° E (plus or minus 0.1)

General Function

Telecommunications

Notified to the UN

16 March 2001

Disposed or decayed

31 October 2021

Disposal Notified to the UN

20 December 2021

Accepted onto UK Register of Space Objects

16 March 2001

Licence issued under the Outer Space Act 1986

Not available

Additional information

Europe*Star 1 has been operated by PanAmSat Satellite Europe Ltd since 23 October 2005. Renamed Intelsat-12 (IS-12) on 1 February 2007. Moved to 64.25E March 2019. Reached end of life October 2021

STRV 1C

Owner/Operator

Space Dept, Arthur C. Clarke Building, DERA Farnborough, Hampshire, GU14 0LX

Date of launch

16 November 2000

Location of launch

Kourou, French Guiana

Designation

2000-072C

Catalogue Number

26610

Nodal period

11 hours 47 minutes

Inclination

6.463 degrees

Apogee

39,274 km

Perigee

578 km

Orbital position

GTO

General Function

Scientific Research and Technology Demonstration

Notified to the UN

15 December 2000

Disposed or decayed

Not Available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

15 December 2000

Licence issued under the Outer Space Act 1986

Not available

Additional information

DERA now QinetiQ. Non-operational, the satellite suffered onboard failures c. 2 weeks after launch.

STRV-1D

Owner/Operator

Space Dept, Arthur C. Clarke Building, DERA Farnborough, Hampshire, GU14 0LX

Date of launch

16 November 200o

Location of launch

Kourou, French Guiana

Designation

2000-072D

Catalogue Number

26611

Nodal period

11 hours 48 minutes

Inclination

6.451 degrees

Apogee

39,293 km

Perigee

580 km

Orbital position

GTO

General Function

Scientific Research and Technology Demonstration

Notified to the UN

15 December 2000

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

15 December 2000

Licence issued under the Outer Space Act 1986

Not available

Additional information

DERA now QinetiQ. Non-operational, the satellite suffered onboard failures c. 2 weeks after launch.

SKYNET-4F

Owner/Operator

Airbus Defence and Space Ltd, Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2AS

Date of launch

7 February 2001

Location of launch

Kourou, French Guiana

Designation

2001-005B

Catalogue Number

26695

Nodal period

1,436.005 minutes

Inclination

7.781 degrees

Apogee

35,796.433 km

Perigee

35,773.160 km

Orbital position

-34° E

General Function

Military telecommunication services

Notified to the UN

28 September 2001

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

27 September 2001

Licence issued under the Outer Space Act 1986

29 May 2003

Additional information

Licence issued to Astrium on 2 February 2001 to procure the launch of, and subsequently operate, the Skynet-4F satellite. Operation Licence issued to Paradigm on 29 May 2003. Operations licence transferred to Airbus Defence and Space Limited on 1 January 2015. Moved to graveyard orbit October 2019.

BNSCSAT (UK-DMC)

Owner/Operator

Surrey Satellite Technology Ltd, University of Surrey, Guildford, Surrey, GU2 5XH

Date of launch

27 September 2003

Location of launch

Plesetsk, Russia

Designation

2003-042D

Catalogue Number

27942

Nodal period

98.44 minutes

Inclination

98.07 degrees

Apogee

688 km

Perigee

674 km

Orbital position

Not Available

General Function

Disaster monitoring

Notified to the UN

7 January 2004

Disposed or decayed

Reached its end of life in November 2011 and is no longer active. Dry mass approx.: 85.4 kg. De-orbit from end of life in the range of 65 – 110 years.

Disposal Notified to the UN

22 October 2013

Accepted onto UK Register of Space Objects

27 September 2003

Licence issued under the Outer Space Act 1986

27 September 2003

Additional information

Confusion over designation at time of launch. Appears on UNOOSA register as 27943 (2003-042E) as does Turkish satellite BILSAT-1. US Space Track gives catalogue number and designation as 27942 (2003-042D).

INMARSAT 4-F1

Owner/Operator

Inmarsat Ltd, 99 City Road, London, EC1Y 1AX

Date of launch

11 March 2005

Location of launch

Cape Canaveral, USA

Designation

2005-009A

Catalogue Number

28628

Nodal period

1,436 minutes

Inclination

3 degrees

Apogee

35,786 km

Perigee

35,786 km

Orbital position

143.5 E

General Function

Telecommunications

Notified to the UN

15 June 2007

Disposed or decayed

Not Available

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

11 March 2005

Licence issued under the Outer Space Act 1986

4 March 2005

Additional information

Active North/South and East/West station keeping. Inclination at beginning of life is given above and is decreasing but will eventually increase back to 3 degrees. Relocated from 143.6E to 178E in January 2024.

TOPSAT

Owner/Operator

Qinetiq Ltd, 85 Buckingham Gate, London, SW1E 6PD

Date of launch

27 October 2005

Location of launch

Plesetsk, Russia

Designation

2005-043B

Catalogue Number

28891

Nodal period

98.6 minutes

Inclination

98.2 degrees

Apogee

707 km

Perigee

681 km

Orbital position

Not available

General Function

Earth imaging

Notified to the UN

15 June 2007

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

11 October 2005

Licence issued under the Outer Space Act 1986

11 October 2005

Additional information

Not available

INMARSAT 4-F2

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX

Date of launch

8 November 2005

Location of launch

Sea Launch vessel, Western Pacific Ocean

Designation

2005-044A

Catalogue Number

28899

Nodal period

1,436 minutes

Inclination

3 degrees

Apogee

35,786 km

Perigee

35,786 km

Orbital position

25.1 E

General Function

Telecommunications

Notified to the UN

15 June 2007

Disposed or decayed

Not Available

Disposal Notified to the UN

Not Available

Accepted onto UK Register of Space Objects

24 October 2005

Licence issued under the Outer Space Act 1986

24 October 2005

Additional information

Active North/South and East/West station keeping. Inclination at beginning of life is given above and is decreasing but will eventually increase back to 3 degrees. I4-F2 has moved orbital position to 63.9 E, UN notified 12 February 2016. Relocated from 63.9E to 143.15E, UN Notified 18th February 2024.

SKYNET -5A

Owner/Operator

Babcock Integrated Technology Limited, 33 Wigmore Street, London, W1Q 1QX

Date of launch

11 March 2007

Location of launch

Kourou, French Guiana

Designation

2007-007B

Catalogue Number

30794

Nodal period

1,436.149 minutes

Inclination

0.000 degrees

Apogee

35,802.775 km

Perigee

35,772.460 km

Orbital position

95.2E

General Function

Military telecommunications

Notified to the UN

15 June 2007

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

2 March 2007

Licence issued under the Outer Space Act 1986

2 March 2007

Additional information

OSA licence issued to Paradigm Secure Communications Ltd on 2 March 2007. Licence transferred to Airbus Defence and Space Ltd on 1 January 2015. Transferred to orbital position 95.2E. Licence transferred and issued under the Space Industry Act 2018 on 28 February 2024 to Babcock Integrated Technology Limited.

SKYNET-5B

Owner/Operator

Babcock Integrated Technology Limited, 33 Wigmore Street, London, W1Q 1QX

Date of launch

14 November 2007

Location of launch

Kourou, French Guiana

Designation

2007-056B

Catalogue Number

32294

Nodal period

1,436.178 minutes

Inclination

0.000 degrees

Apogee

35,806.398 km

Perigee

35,769.972 km

Orbital position

25 E (previous orbital position: 53 E)

General Function

Military telecommunications

Notified to the UN

6 October 2008

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

31 October 2007

Licence issued under the Outer Space Act 1986

31 October 2007

Additional information

OSA licence issued to Paradigm Secure Communications Ltd on 31 October 2007. Licence transferred to Airbus Defence and Space on 1 January 2015. Licence transferred to Babcock Integrated Technology Limited on 28 February 2024.

SKYNET-5C

Owner/Operator

Babcock Integrated Technology Limited, 33 Wigmore Street, London, W1Q 1QX

Date of launch

12 June 2008

Location of launch

Kourou, French Guiana

Designation

2008-030A

Catalogue Number

33055

Nodal period

1436 minutes

Inclination

0.000 degrees

Apogee

35,796.926 km

Perigee

35,774.988 km

Orbital position

17.8W

General Function

Military telecommunications

Notified to the UN

6 October 2008

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

12 June 2008

Licence issued under the Outer Space Act 1986

27 May 2008

Additional information

OSA licence issued to Paradigm Secure Communications Ltd on 27 May 2008. Licence transferred to Airbus Defence and Space on 22 December 2014. Licence transferred to Babcock Integrated Technology Limited on 28 February 2024.

SES AMC-21

Owner/Operator

SES Global Satellite Leasing Limited, 15-19 Athol Street, Douglas, Isle of Man, IM1 1LB

Date of launch

14 August 2008

Location of launch

Kourou, French Guiana

Designation

2008-038B

Catalogue Number

33275

Nodal period

23 hours 56 minutes

Inclination

0.02 degrees

Apogee

35,803 km

Perigee

35,770 km

Orbital position

Not known

General Function

Communications

Notified to the UN

Not available

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

15 August 2008

Licence issued under the Outer Space Act 1986

23 April 2008

Additional information

Operated by SES Satellites (Gibraltar) Ltd – operation licence issued by Gibraltar Regulatory Authority on 27 September 2006.

INMARSAT-4F3

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX

Date of launch

18 August 2008

Location of launch

Baikonur, Kazakhstan

Designation

2008-039A

Catalogue Number

33278

Nodal period

1,436 minutes

Inclination

3 degrees

Apogee

35,786 km

Perigee

35,786 km

Orbital position

97.65 W

General Function

Telecommunications

Notified to the UN

6 October 2008

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

18 August 2008

Licence issued under the Outer Space Act 1986

10 March 2008

Additional information

Active North/South and East/West station keeping. Inclination at beginning of life is given above and is decreasing but will eventually increase back to 3 degrees.

NSS-9

Owner/Operator

SES Satellite Leasing Limited, Douglas 15-19 Athol Street, Isle of Man

Date of launch

13 February 2009

Location of launch

Kourou, French Guiana

Designation

2009-008A

Catalogue Number

33749

Nodal period

1436 minutes

Inclination

0.05 degrees

Apogee

35,820 km

Perigee

35,752 km

Orbital position

183 E

General Function

Telecommunications

Notified to the UN

6 August 2009

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

29 July 2009

Licence issued under the Outer Space Act 1986

28 January 2009

Additional information

UK authorised launch only – Netherlands has registered in-orbit operation.

UK-DMC-2

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

29 July 2009

Location of launch

Yasny Cosmodrome, Russia

Designation

2009-041C

Catalogue Number

35683

Nodal period

97.43 - 97.9 minutes

Inclination

98.13 degrees

Apogee

681 km

Perigee

618 km

Orbital position

Not available

General Function

Disaster Monitoring

Notified to the UN

6 August 2009

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

29 July 2009

Licence issued under the Outer Space Act 1986

24 July 2009

Additional information

Not available

NSS12

Owner/Operator

SES Satellite Leasing Limited, 22-24 Victoria Street, Douglas, Isle of Man

Date of launch

29 October 2009

Location of launch

Kourou, French Guiana

Designation

2009-058A

Catalogue Number

36032

Nodal period

1435.8 - 1436.4 minutes

Inclination

0.05 degrees

Apogee

35,820 km

Perigee

35,752 km

Orbital position

57 E

General Function

Telecommunications

Notified to the UN

17 May 2010

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2010

Licence issued under the Outer Space Act 1986

21 October 2009

Additional information

UK authorised launch only. Netherlands responsible for in-orbit operation.

ASTRA-3B

Owner/Operator

SES Satellite Leasing Limited, First Floor, Belgravia House, 34 - 44 Circular Road, Douglas, Isle of Man, IM1 1AE

Date of launch

21 May 2010

Location of launch

Kourou, French Guiana

Designation

2010-021A

Catalogue Number

36581

Nodal period

1435.8 - 1436.4 minutes

Inclination

0.05 degrees

Apogee

35,820 km

Perigee

35,752 km

Orbital position

23.5 E

General Function

Telecommunications

Notified to the UN

22 March 2011

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

March 2011

Licence issued under the Outer Space Act 1986

12 March 2010

Additional information

UK authorised launch only. Satellite owned and operated by Luxembourg.

HYLAS-1

Owner/Operator

Avanti Communications Group plc, Cobham House, 20 Black Friars Lane, London, EC4V 6EB

Date of launch

26 November 2010

Location of launch

Kourou, French Guiana

Designation

2010-065A

Catalogue Number

37237

Nodal period

24 hours

Inclination

0 degrees

Apogee

GEO circular

Perigee

GEO circular

Orbital position

33.5 W

General Function

Telecommunications

Notified to the UN

22 March 2011

Disposed or decayed

Not Applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

March 2011

Licence issued under the Outer Space Act 1986

23 November 2010

Additional information

Licence novated to Avanti Hylas 2 Ltd 13 April 2022.

QUETZSAT-1

Owner/Operator

SES Satellite Leasing Limited, First Floor, Belgravia House, 34 - 44 Circular Road, Douglas, Isle of Man, IM1 1AE

Date of launch

29 September 2011

Location of launch

Baikonur, Kazakhstan

Designation

2011-054A

Catalogue Number

37826

Nodal period

1435.8 – 1436.4 minutes

Inclination

0.05 degrees

Apogee

35,820 km

Perigee

35,752 km

Orbital position

77 W

General Function

Commercial Telecommunications

Notified to the UN

22 October 2013

Disposed or decayed

Not Applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

26 September 2011

Additional information

UK authorised the launch only. The operation of the satellite is the responsibility of a Luxembourg company.

SIRIUS 5 (SES-5)

Owner/Operator

SES Satellite Leasing Limited, First Floor, Belgravia House, 34 - 44 Circular Road, Douglas, Isle of Man, IM1 1AE

Date of launch

9 July 2012

Location of launch

Baikonur, Kazakhstan

Designation

2012-036A

Catalogue Number

38652

Nodal period

1435.8 – 1436.4 minutes

Inclination

0.10 degrees

Apogee

35,820 km

Perigee

35,752 km

Orbital position

5 E

General Function

Commercial Telecommunications

Notified to the UN

22 October 2013

Disposed or decayed

Not Applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

11 June 2012

Additional information

UK authorised the launch. Satellite is operated by a company incorporated in Luxembourg.

HYLAS-2

Owner/Operator

Avanti Communications Group plc / Avanti Hylas 2 Ltd, Cobham House, 20 Black Friars Lane, London, EC4V 6EB

Date of launch

2 August 2012

Location of launch

Kourou, French Guiana

Designation

2012-043B

Catalogue Number

38741

Nodal period

1436.1 minutes

Inclination

0.0 degrees

Apogee

35,803.9 km

Perigee

35,784.2 km

Orbital position

31.0 E

General Function

HYLAS-2 carries fixed and steerable Ka-band transponders and is designed to provide broadband data communications to Europe, Africa, Middle East and West/South Asia.

Notified to the UN

22 October 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

30 May 2012

Additional information

Licence novated to Avanti Hylas 2 Ltd 13 April 2022. Relocation from 31E to 142.5E in April 2024.

SKYNET-5D

Owner/Operator

Babcock Integrated Technology Limited, 33 Wigmore Street, London, W1Q 1QX

Date of launch

19 December 2012

Location of launch

Kourou, French Guiana

Designation

2012-075A

Catalogue Number

39034

Nodal period

1,436.258 minutes

Inclination

0.000 degrees

Apogee

35,807.419 km

Perigee

35,772.069 km

Orbital position

53 E

General Function

SKYNET 5D provides secure military communications capability at SHF and UHF to British Armed Forces and friendly nations.

Notified to the UN

22 October 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

14 December 2012

Additional information

OSA licence issued to Paradigm Secure Communications Ltd & Paradigm Services Ltd on 14 December 2012. Licence transferred to Airbus Defence and Space on 1 January 2015. Licence transferred to Babcock Integrated Technology Limited on 28 February 2024.

STRaND-1

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

25 February 2013

Location of launch

Sriharikota, India

Designation

2013-009E

Catalogue Number

39090

Nodal period

100.4 minutes

Inclination

98.6 degrees

Apogee

783 km

Perigee

771 km

Orbital position

Not Available

General Function

Outreach, education and technology demonstration

Notified to the UN

22 October 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

4 February 2013

Additional information

Not applicable.

O3b M001 (O3b PFM)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

25 June 2013

Location of launch

Kourou, French Guiana

Designation

2013-031D

Catalogue Number

39191

Nodal period

287.93 minutes

Inclination

0.03 degrees

Apogee

8,069 km

Perigee

8,063 km

Orbital position

Not Available

General Function

Communications

Notified to the UN

26 August 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

3 May 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M002 (O3b FM2)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

25 June 2013

Location of launch

Kourou, French Guiana

Designation

2013-031C

Catalogue Number

39190

Nodal period

287.93 minutes

Inclination

0.03 degrees

Apogee

8,069 km

Perigee

8,063 km

Orbital position

Not available

General Function

Communications

Notified to the UN

26 August 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

3 May 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M004 (O3b FM4)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

25 June 2013

Location of launch

Kourou, French Guiana

Designation

2013-031C

Catalogue Number

39190

Nodal period

287.93 minutes

Inclination

0.03 degrees

Apogee

8,069 km

Perigee

8,063 km

Orbital position

Not available

General Function

Communications

Notified to the UN

26 August 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

3 May 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M005 (O3b FM5)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

25 June 2013

Location of launch

Kourou, French Guiana

Designation

2013-031A

Catalogue Number

39188

Nodal period

287.93 minutes

Inclination

0.03 degrees

Apogee

8,069 km

Perigee

8,063 km

Orbital position

Not available

General Function

Communications

Notified to the UN

26 August 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

3 May 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

ALPHASAT

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX & Inmarsat Launch Company Ltd, Fort Anne, Douglas, Isle of Man, IM1 5PD

Date of launch

25 July 2013

Location of launch

Kourou, French Guiana

Designation

2013-038A

Catalogue Number

39215

Nodal period

23 hours 56 minutes

Inclination

Currently 0 degrees but will grow to 3.0 degrees

Apogee

35,786 km

Perigee

35,786 km

Orbital position

24.85 E

General Function

Communications satellite

Notified to the UN

22 October 2013

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

November 2013

Licence issued under the Outer Space Act 1986

12 July 2013

Additional information

Not available

INMARSAT 5-F1

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX

Date of launch

8 December 2013

Location of launch

Baikonur Cosmodrome, Kazakhstan

Designation

2013-073A

Catalogue Number

39476

Nodal period

23 hours 56 minutes

Inclination

<0.05 degrees

Apogee

35,786 km

Perigee

35,786 km

Orbital position

62.6 E

General Function

Communications satellite

Notified to the UN

30 May 2014

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

2 December 2013

Additional information

Not available

TechDemoSat-1

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

8 July 2014

Location of launch

Baikonur Cosmodrome, Kazakhstan

Designation

2014-037H

Catalogue Number

40076

Nodal period

97.3 minutes

Inclination

98.4 degrees

Apogee

639.5 km

Perigee

630.7km

Orbital position

Not available

General Function

Technology Demonstration

Notified to the UN

24 October 2014

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

2 July 2014

Additional information

Passivated 2021

UKube-1

Owner/Operator

UK Space Agency, Polaris House, North Star Avenue, Swindon, SN2 1SZ

Date of launch

8 July 2014

Location of launch

Baikonur Cosmodrome, Kazakhstan

Designation

2014-037F

Catalogue Number

40074

Nodal period

97.6 minutes

Inclination

98.4 degrees

Apogee

643 km

Perigee

642 km

Orbital position

Not applicable

General Function

UKube 1 is the UK Space Agency's pilot CubeSat mission, designed to understand the benefits and challenges of a national CubeSat programme. The self-funded payloads are from industry and academia, and cover technology demonstration and education/outreach.

Notified to the UN

24 October 2014

Disposed or decayed

December 2018

Disposal Notified to the UN

December 2018

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

27 June 2014

Additional information

End of life confirmed December 2018

O3b M003 (O3b FM3)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

10 July 2014

Location of launch

Kourou, French Guiana

Designation

2014-038A

Catalogue Number

40079

Nodal period

287.92 minutes

Inclination

0.03 degrees

Apogee

8,071 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

24 July 2014

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

30 August 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M006 (O3b FM6)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

10 July 2014

Location of launch

Kourou, French Guiana

Designation

2014-038C

Catalogue Number

40081

Nodal period

287.92 minutes

Inclination

0.03 degrees

Apogee

8,071 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

24 July 2014

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

30 Aug 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M007 (O3b FM7)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

10 July 2014

Location of launch

Kourou, French Guiana

Designation

2014-038B

Catalogue Number

40080

Nodal period

287.92 minutes

Inclination

0.03 degrees

Apogee

8,071 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

24 July 2014

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

30 August 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M008 (O3b FM8)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

10 July 2014

Location of launch

Kourou, French Guiana

Designation

2014-038D

Catalogue Number

40082

Nodal period

287.92 minutes

Inclination

0.03 degrees

Apogee

8,071 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

24 July 2014

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

30 August 2013

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M009 (O3b FM9)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

18 December 2014

Location of launch

Kourou, French Guiana

Designation

2014-083D

Catalogue Number

40351

Nodal period

287.9 minutes

Inclination

0.03 degrees

Apogee

8,070 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

10 February 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

9 December 2014

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M010 (O3b FM10)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

18 December 2014

Location of launch

Kourou, French Guiana

Designation

2014-083A

Catalogue Number

40348

Nodal period

287.9 minutes

Inclination

0.03 degrees

Apogee

8,070 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

10 February 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

9 December 2014

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M011 (O3b FM11)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

18 December 2014

Location of launch

Kourou, French Guiana

Designation

2014-083B

Catalogue Number

40349

Nodal period

287.9 minutes

Inclination

0.03 degrees

Apogee

8,070 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

10 February 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

9 December 2014

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M012 (O3b FM12)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

18 December 2014

Location of launch

Kourou, French Guiana

Designation

2014-083C

Catalogue Number

40350

Nodal period

287.9 minutes

Inclination

0.03 degrees

Apogee

8,070 km

Perigee

8,060 km

Orbital position

Not available

General Function

Communications

Notified to the UN

10 February 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

9 December 2014

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

INMARSAT 5-F2

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX, UK

Date of launch

1 February 2015

Location of launch

Baikonur Cosmodrome, Kazakhstan

Designation

2015-005A

Catalogue Number

40384

Nodal period

1436 minutes

Inclination

0 +/- 0.5 degrees

Apogee

35,786.2 km

Perigee

35,786.0 km

Orbital position

Not available

General Function

Communications Satellite

Notified to the UN

24 February 2015

Disposed or decayed

Not Applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

May 2015

Licence issued under the Outer Space Act 1986

21 January 2015

Additional information

Not available.

CARBONITE-1 (CBNT-1)

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

10 July 2015

Location of launch

Sriharikota, India

Designation

2015-032D

Catalogue Number

40718

Nodal period

97.7 minutes

Inclination

98 degrees

Apogee

667.3 km

Perigee

642.1 km

Orbital position

Not available

General Function

Technology demonstrator

Notified to the UN

30 September 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

July 2017

Licence issued under the Outer Space Act 1986

3 July 2015

Additional information

Not available

DeorbitSail

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

10 July 2015

Location of launch

Sriharikota, India

Designation

2015-032E

Catalogue Number

40719

Nodal period

97.63 minutes

Inclination

98 degrees

Apogee

657 km

Perigee

635 km

Orbital position

Not available

General Function

Technology demonstrator

Notified to the UN

26 November 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

March 2018

Licence issued under the Outer Space Act 1986

3 July 2015

Additional information

Not available

INMARSAT 5-F3

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX & Inmarsat Launch Company Ltd, Fort Anne, Douglas, Isle of Man, IM1 5PD

Date of launch

28 August 2015

Location of launch

Baikonur, Kazakhstan

Designation

2015-042A

Catalogue Number

40882

Nodal period

1,436 minutes

Inclination

0 to 0.05 degrees

Apogee

35,786.1 km

Perigee

35,785.9 km

Orbital position

179.6 E

General Function

Communications satellite

Notified to the UN

30 September 2015

Disposed or decayed

Not Applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

July 2017

Licence issued under the Outer Space Act 1986

13 August 2015

Additional information

Not available

DMC3-FM1

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

10 July 2015

Location of launch

Sriharikota, India

Designation

2015-032A

Catalogue Number

40715

Nodal period

97.7 minutes

Inclination

98 degrees

Apogee

671.4 km

Perigee

644.1 km

Orbital position

Not Available

General Function

High-resolution Earth observation satellite

Notified to the UN

30 September 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

July 2017

Licence issued under the Outer Space Act 1986

3 July 2015

Additional information

Not available

DMC3-FM2

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

10 July 2015

Location of launch

Sriharikota, India

Designation

2015-032B

Catalogue Number

40716

Nodal period

97.7 minutes

Inclination

98 degrees

Apogee

677.1 km

Perigee

641.2 km

Orbital position

Not available

General Function

High-resolution Earth observation satellite

Notified to the UN

30 September 2015

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

July 2017

Licence issued under the Outer Space Act 1986

3 July 2015

Additional information

Not available

DMC3-FM3

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

10 July 2015

Location of launch

Sriharikota, India

Designation

2015-032C

Catalogue Number

40717

Nodal period

97.7 minutes

Inclination

98 degrees

Apogee

670.6 km

Perigee

642.1 km

Orbital position

Not available

General Function

High-resolution Earth observation satellite.

Notified to the UN

30 September 2015

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

30 September 2015

Licence issued under the Outer Space Act 1986

3 July 2015

Additional information

Not available.

SES-9

Owner/Operator

SES Satellite Leasing Limited, First Floor, Belgravia House, 34 - 44 Circular Road, Douglas, Isle of Man, IM1 1AE

Date of launch

4 March 2016

Location of launch

Cape Canaveral, USA

Designation

2016-013A

Catalogue Number

41380

Nodal period

1,435.8 - 1,436.4 minutes

Inclination

0.1 degrees

Apogee

35,820 km

Perigee

35,752 km

Orbital position

108.2 E

General Function

SES-9 will carry a variety of commercial telecoms traffic. It will provide capacity over Asia-Pacific & South Asia.

Notified to the UN

17 January 2017

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

January 2017

Licence issued under the Outer Space Act 1986

17 January 2016

Additional information

Operator’s licence held by Gibraltar

INMARSAT 5-F4

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX, UK

Date of launch

15 May 2017

Location of launch

Cape Canaveral, USA

Designation

2017-025A

Catalogue Number

42698

Nodal period

1,436 minutes

Inclination

<0.05 degrees

Apogee

35,786 km

Perigee

35,786 km

Orbital position

Not available

General Function

Communications

Notified to the UN

28 September 2017

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

September 2017

Licence issued under the Outer Space Act 1986

8 May 2017

Additional information

In December 2017 Inmarsat-5 F4 was redeployed to 117.5 E. In August 2018 Inmarsat-5 F4 was redeployed to 11° E. In December 2018 Inmarsat-5 F4 was redeployed to 56.5E.

ViaSat-2

Owner/Operator

ViaSat Technologies Ltd, Sandford Lane, Wareham, Dorset, BH20 4DY

Date of launch

01 June 2017

Location of launch

Kourou, French Guiana

Designation

2017-029A

Catalogue Number

42740

Nodal period

1,440 minutes

Inclination

0 degrees

Apogee

35,786 km

Perigee

35,786 km

Orbital position

69.9 W

General Function

Telecommunications Satellite

Notified to the UN

19 December 2017

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

December 2017

Licence issued under the Outer Space Act 1986

24 April 2017

Additional information

Not available

EchoStar 21/ EchoStar XXI

Owner/Operator

Hughes Network Systems Ltd, Hughes House, Rockingham Drive, Milton Keynes, MK14 6PD

Date of launch

08 June 2017

Location of launch

Baikonur Cosmodrome, Kazakhstan

Designation

2017-032A

Catalogue Number

42749

Nodal period

1,436 minutes

Inclination

7.5 degrees

Apogee

35,802 km

Perigee

35,787 km

Orbital position

Not available

General Function

Communications Satellite

Notified to the UN

19 December 2017

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

December 2017

Licence issued under the Outer Space Act 1986

24 November 2016

Additional information

Not available

Red Diamond

Owner/Operator

Sky and Space Global (UK) Ltd, Tower Bridge House, St Katharine's Way, London, E1W 1DD

Date of launch

23 June 2017

Location of launch

Sriharikota, India

Designation

2017-036U

Catalogue Number

42783

Nodal period

94.7 minutes

Inclination

97.4486 degrees

Apogee

513 km

Perigee

495 km

Orbital position

Not available

General Function

Red Diamond is part of the "Three Diamonds" constellation operated by Sky and Space Global to demonstrate narrowband communication services.

Notified to the UN

29 September 2017

Disposed or decayed

26 April 2024

Disposal Notified to the UN

29 May 2024

Accepted onto UK Register of Space Objects

September 2017

Licence issued under the Outer Space Act 1986

26 May 2017

Additional information

Not available

Green Diamond

Owner/Operator

Sky and Space Global (UK) Ltd, Tower Bridge House, St Katharine's Way, London, E1W 1DD

Date of launch

23 June 2017

Location of launch

Sriharikota, India

Designation

2017-036W

Catalogue Number

42785

Nodal period

94.7 minutes

Inclination

97.4488 degrees

Apogee

513 km

Perigee

495 km

Orbital position

Not available

General Function

Green Diamond is part of the "Three Diamonds" constellation operated by Sky and Space Global to demonstrate narrowband communication services

Notified to the UN

29 September 2017

Disposed or decayed

3 April 2024

Disposal Notified to the UN

29 May 2024

Accepted onto UK Register of Space Objects

September 2017

Licence issued under the Outer Space Act 1986

Not available

Additional information

Not available.

Blue Diamond

Owner/Operator

Sky and Space Global (UK) Ltd, Tower Bridge House, St Katharine's Way, London, E1W 1DD

Date of launch

23 June 2017

Location of launch

Sriharikota, India

Designation

2017-036X

Catalogue Number

42786

Nodal period

94.7 minutes

Inclination

97.4487 degrees

Apogee

512 km

Perigee

495 km

Orbital position

Not available

General Function

Blue Diamond is part of the "Three Diamonds" constellation operated by Sky and Space Global to demonstrate narrowband communication services.

Notified to the UN

29 September 2017

Disposed or decayed

16 April 2024

Disposal Notified to the UN

29 May 2024

Accepted onto UK Register of Space Objects

September 2017

Licence issued under the Outer Space Act 1986

26 May 2017

Additional information

Not available

Carbonite-2

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

12 January 2018

Location of launch

Shriharikota, India

Designation

2018-004E

Catalogue Number

43115

Nodal period

94.6 minutes

Inclination

97.6 degrees

Apogee

508 km

Perigee

493 km

Orbital position

Not available

General Function

Technology Demonstrator

Notified to the UN

16 February 2018

Disposed or decayed

16 May 2025

Disposal Notified to the UN

22 May 2025

Accepted onto UK Register of Space Objects

February 2018

Licence issued under the Outer Space Act 1986

08 January 2018

Additional information

Not available.

SES-15

Owner/Operator

SES Satellite Leasing Limited, First Floor, Belgravia House, 34 - 44 Circular Road, Douglas, Isle of Man, IM1 1AE

Date of launch

18 May 2017

Location of launch

Kourou, French Guiana

Designation

2017-026A

Catalogue Number

42709

Nodal period

1,435.8 - 1,436.4 minutes

Inclination

0.1 degrees

Apogee

35,820 km

Perigee

35,752 km

Orbital position

129.15° W

General Function

Communications satellite

Notified to the UN

28 August 2018

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

September 2018

Licence issued under the Outer Space Act 1986

28 March 2017

Additional information

Operator’s licence held by Gibraltar.

O3b M013 (O3b FM13)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

09 March 2018

Location of launch

Kourou, French Guiana

Designation

2018-024D

Catalogue Number

43234

Nodal period

288 minutes

Inclination

0.05 degrees

Apogee

8,069 km

Perigee

8,062 km

Orbital position

Not available

General Function

Communications

Notified to the UN

15 May 2018

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

September 2018

Licence issued under the Outer Space Act 1986

05 March 2018

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M014 (O3b FM14)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

09 March 2018

Location of launch

Kourou, French Guiana

Designation

2018-024C

Catalogue Number

43233

Nodal period

288 minutes

Inclination

0.05 degrees

Apogee

8,069 km

Perigee

8,062 km

Orbital position

Not available

General Function

Communications

Notified to the UN

15 May 2018

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

September 2018

Licence issued under the Outer Space Act 1986

05 March 2018

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M015 (O3b FM15)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

09 March 2018

Location of launch

Kourou, French Guiana

Designation

2018-024A

Catalogue Number

43231

Nodal period

288 minutes

Inclination

0.05 degrees

Apogee

8,070 km

Perigee

8,062 km

Orbital position

Not Available

General Function

Communications

Notified to the UN

15 May 2018

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

September 2018

Licence issued under the Outer Space Act 1986

05 March 2018

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M016 (O3b FM16)

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

09 March 2018

Location of launch

Kourou, French Guiana

Designation

2018-024B

Catalogue Number

43232

Nodal period

288 minutes

Inclination

0.05 degrees

Apogee

8,070 km

Perigee

8,062 km

Orbital position

Not available

General Function

Communications

Notified to the UN

15 May 2018

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

September 2018

Licence issued under the Outer Space Act 1986

05 March 2018

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

Hylas-4

Owner/Operator

Avanti Communications Group plc, Cobham House, 20 Black Friars Lane, London, EC4V 6EB

Date of launch

05 April 2018

Location of launch

Kourou, French Guiana

Designation

2018-033B

Catalogue Number

43272

Nodal period

1,436 minutes

Inclination

0 degrees

Apogee

42,185 km

Perigee

42,147 km

Orbital position

33.5 W

General Function

Communications Satellite

Notified to the UN

22 October 2018

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

April 2019

Licence issued under the Outer Space Act 1986

27 February 2018

Additional information

Licence novated to Avanti Hylas 2 Ltd 13 April 2022.

NovaSar-1

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

16 September 2018

Location of launch

Sriharikota, India

Designation

2018-071B

Catalogue Number

43619

Nodal period

96.4 minutes

Inclination

97.8 degrees

Apogee

600.4 km

Perigee

586.3 km

Orbital position

Not available

General Function

Technology Demonstration

Notified to the UN

9 January 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

April 2019

Licence issued under the Outer Space Act 1986

06 September 2018

Additional information

Not available.

SSTL-300 S1-004

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

16 September 2018

Location of launch

Sriharikota, India

Designation

2018-071A

Catalogue Number

43618

Nodal period

96.3 minutes

Inclination

97.8 degrees

Apogee

598.8 km

Perigee

580.9 km

Orbital position

Not available

General Function

Technology Demonstration

Notified to the UN

30 January 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

03 April 2019

Licence issued under the Outer Space Act 1986

06 September 2018

Additional information

Not available.

SL0006 OneWeb

Owner/Operator

Network Access Associates Ltd, Asticus Building, 2nd Floor, 21 Palmer Street, London, SW1H 0AD

Date of launch

27 February 2019

Location of launch

Kourou, French Guiana

Designation

2019-010E

Catalogue Number

44061

Nodal period

109.4 minutes

Inclination

87.9 degrees

Apogee

1200 km

Perigee

1200 km

Orbital position

Not available

General Function

Communications

Notified to the UN

12 July 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

19 July 2019

Licence issued under the Outer Space Act 1986

22 February 2019

Additional information

Not available.

SL0007 OneWeb

Owner/Operator

Network Access Associates Ltd, Asticus Building, 2nd Floor, 21 Palmer Street, London, SW1H 0AD

Date of launch

27 February 2019

Location of launch

Kourou, French Guiana

Designation

2019-010E

Catalogue Number

44060

Nodal period

109.4 minutes

Inclination

87.9 degrees

Apogee

1200 km

Perigee

1200 km

Orbital position

Not available

General Function

Communications

Notified to the UN

12 July 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

19 July 2019

Licence issued under the Outer Space Act 1986

22 February 2019

Additional information

Not available.

SL0008 OneWeb

Owner/Operator

Network Access Associates Ltd, Asticus Building, 2nd Floor, 21 Palmer Street, London, SW1H 0AD

Date of launch

27 February 2019

Location of launch

Kourou, French Guiana

Designation

2019-010E

Catalogue Number

44059

Nodal period

109.4 minutes

Inclination

87.9 degrees

Apogee

1200 km

Perigee

1200 km

Orbital position

Not available

General Function

Communications

Notified to the UN

12 July 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

19 July 2019

Licence issued under the Outer Space Act 1986

22 February 2019

Additional information

Not available.

SL0010 OneWeb

Owner/Operator

Network Access Associates Ltd, Asticus Building, 2nd Floor, 21 Palmer Street, London, SW1H 0AD

Date of launch

27 February 2019

Location of launch

Kourou, French Guiana

Designation

2019-010E

Catalogue Number

44058

Nodal period

109.4 minutes

Inclination

87.9 degrees

Apogee

1200 km

Perigee

1200 km

Orbital position

Not available

General Function

Communications

Notified to the UN

12 July 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

19 July 2019

Licence issued under the Outer Space Act 1986

22 February 2019

Additional information

Not available.

SL0011 OneWeb

Owner/Operator

Network Access Associates Ltd, Asticus Building, 2nd Floor, 21 Palmer Street, London, SW1H 0AD

Date of launch

27 February 2019

Location of launch

Kourou, French Guiana

Designation

2019-010E

Catalogue Number

44062

Nodal period

109.4 minutes

Inclination

87.9 degrees

Apogee

1200 km

Perigee

1200 km

Orbital position

Not available

General Function

Communications

Notified to the UN

12 July 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

19 July 2019

Licence issued under the Outer Space Act 1986

22 February 2019

Additional information

Not available.

SL0012 OneWeb

Owner/Operator

Network Access Associates Ltd, Asticus Building, 2nd Floor, 21 Palmer Street, London, SW1H 0AD

Date of launch

27 February 2019

Location of launch

Kourou, French Guiana

Designation

2019-010E

Catalogue Number

44057

Nodal period

109.4 minutes

Inclination

87.9 degrees

Apogee

1200 km

Perigee

1200 km

Orbital position

Not available

General Function

Communications

Notified to the UN

12 July 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not Applicable

Accepted onto UK Register of Space Objects

19 July 2019

Licence issued under the Outer Space Act 1986

22 February 2019

Additional information

Not available.

IOD-1 GEMS

Owner/Operator

Satellite Applications Catapult, Electron Building, Fermi Avenue, Harwell Science and Innovation Campus, Didcot, Oxfordshire, OX11 0QR, & Orbital Micro Systems, Alliotts, Imperial House, 15-19 King's Way, London, WC2B 6UN

Date of launch

03 July 2019

Location of launch

Wallops Island, Virginia, USA

Designation

1998-067QK

Catalogue Number

44385

Nodal period

92.81 minutes

Inclination

51.64 degrees

Apogee

415 km

Perigee

409 km

Orbital position

Not available

General Function

Earth Observations

Notified to the UN

30 July 2019

Disposed or decayed

03 April 2021

Disposal Notified to the UN

12 April 2021

Accepted onto UK Register of Space Objects

August 2019

Licence issued under the Outer Space Act 1986

29 March 2019

Additional information

Re-entry and end of life 03 April 2021

Remove Debris

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

20 June 2018

Location of launch

ISS

Designation

1998-067NT

Catalogue Number

43510

Nodal period

92.5

Inclination

51.6

Apogee

408.4

Perigee

404.4

Orbital position

Not available

General Function

Technology Demonstration

Notified to the UN

22 October 2018

Disposed or decayed

04 December 2021

Disposal Notified to the UN

15 December 2021

Accepted onto UK Register of Space Objects

August 2019

Licence issued under the Outer Space Act 1986

28 March 2018 (launch) & 21 May 2018 (Ops)

Additional information

SSTL confirm end of life September 2018. Re-entry 04 December 2021.

Remove Debris Net

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

20 June 2018

Location of launch

Spaced Based Deployment from Remove Debris Spacecraft

Designation

1998-067PM

Catalogue Number

43621

Nodal period

91.2

Inclination

51.6

Apogee

343.5

Perigee

338.4

Orbital position

Not available

General Function

Technology Demonstration

Notified to the UN

22 October 2018

Disposed or decayed

September 2018

Disposal Notified to the UN

02 March 2019

Accepted onto UK Register of Space Objects

August 2019

Licence issued under the Outer Space Act 1986

28 March 2018 (launch) & 21 May 2018 (Ops)

Additional information

SSTL confirm end of life September 2018.

DoT-1

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

05 July 2019

Location of launch

Vostochny, Cosmodrome, Eastern Russia

Designation

2019-038P

Catalogue Number

44399

Nodal period

N/A

Inclination

N/A

Apogee

N/A

Perigee

N/A

Orbital position

Not available

General Function

Technology Demonstration

Notified to the UN

08 August 2019

Disposed or decayed

01 February 2025

Disposal Notified to the UN

20 February 2025

Accepted onto UK Register of Space Objects

08 August 2019

Licence issued under the Outer Space Act 1986

03 July 2019

Additional information

Not available.

Vesta-1

Owner/Operator

Surrey Satellite Technology Ltd, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

03 December 2018

Location of launch

Vandenberg Air Force Base, USA

Designation

2018-099Z

Catalogue Number

43781

Nodal period

96.3

Inclination

97.8

Apogee

599.9

Perigee

579.5

Orbital position

Non orbital

General Function

Technology Demonstration

Notified to the UN

20 August 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

27 August 2019

Licence issued under the Outer Space Act 1986

26 September 2018

Additional information

Not available

O3b M017

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

04 April 2019

Location of launch

Kourou, French Guiana

Designation

2019-020C

Catalogue Number

44114

Nodal period

288

Inclination

0.04

Apogee

8069

Perigee

8059

Orbital position

Not available

General Function

Communications

Notified to the UN

23 August 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

29 August 2019

Licence issued under the Outer Space Act 1986

02 April 2019

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M018

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

04 April 2019

Location of launch

Kourou, French Guiana

Designation

2019-020D

Catalogue Number

44115

Nodal period

288

Inclination

0.05

Apogee

8070

Perigee

8062

Orbital position

Not Available

General Function

Communications

Notified to the UN

23 August 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

29 August 2019

Licence issued under the Outer Space Act 1986

02 April 2019

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M019

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

04 April 2019

Location of launch

Kourou, French Guiana

Designation

2019-020B

Catalogue Number

44113

Nodal period

288

Inclination

0.04

Apogee

8070

Perigee

8062

Orbital position

Not Available

General Function

Communications

Notified to the UN

23 August 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

29 August 2019

Licence issued under the Outer Space Act 1986

02 April 2019

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

O3b M020

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

04 April 2019

Location of launch

Kourou, French Guiana

Designation

2019-020A

Catalogue Number

44112

Nodal period

288

Inclination

0.05

Apogee

8068

Perigee

8057

Orbital position

Not Available

General Function

Communications

Notified to the UN

23 August 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

29 August 2019

Licence issued under the Outer Space Act 1986

02 April 2019

Additional information

Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

NSL-1

Owner/Operator

Clyde Space Ltd, 123 St Vincent Street, Glasgow, G2 5EA

Date of launch

5 July 2019

Location of launch

Vostochny Cosmodrome, Eastern Russia

Designation

2019-038E

Catalogue Number

44391

Nodal period

96.21

Inclination

97.7

Apogee

592

Perigee

562

Orbital position

Not available

General Function

Technology Demo

Notified to the UN

21 November 2019

Disposed or decayed

05 August 2024

Disposal Notified to the UN

19 August 2024

Accepted onto UK Register of Space Objects

December 2019

Licence issued under the Outer Space Act 1986

03 November 2019

Additional information

Not available.

Inmarsat GX5

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX

Date of launch

26 November 2019

Location of launch

Kourou, French Guiana

Designation

2019-080B

Catalogue Number

44801

Nodal period

1436.11

Inclination

0.00

Apogee

35786

Perigee

35786

Orbital position

11E

General Function

Communications

Notified to the UN

December 2019

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

December 2019

Licence issued under the Outer Space Act 1986

07 November 2019

Additional information

Not available.

OneWeb Launch 2 (OWLID00007-OWLID00040)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

06 February 2020

Location of launch

Baikonur, Kazakhstan

Designation

See Annex 1 for details

Catalogue Number

See Annex 1 for details

Nodal period

110

Inclination

87.9

Apogee

1229

Perigee

1212

Orbital position

Not available

General Function

Communications

Notified to the UN

30 March 2020

Disposed or decayed

See Annex 1 for details

Disposal Notified to the UN

See Annex 1 for details

Accepted onto UK Register of Space Objects

April 2020

Licence issued under the Outer Space Act 1986

31 January 2020

Additional information

Not available.

Annex 1

OneWeb Launch 2 – Baikonur, Kazakhstan, 06 February 2020

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00007	2020-008A	45131	Not Applicable	Not Applicable	SL0013
OWLID00008	2020-008B	45132	Not Applicable	Not Applicable	SL0017
OWLID00009	2020-008C	45133	Not Applicable	Not Applicable	SL0020
OWLID00010	2020-008D	45134	Not Applicable	Not Applicable	SL0021
OWLID00011	2020-008E	45135	Not Applicable	Not Applicable	SL0022
OWLID00012	2020-008F	45136	Not Applicable	Not Applicable	SL0023
OWLID00013	2020-008G	45137	Not Applicable	Not Applicable	SL0024
OWLID00014	2020-008H	45138	Not Applicable	Not Applicable	SL0025
OWLID00015	2020-008J	45139	Not Applicable	Not Applicable	SL0026
OWLID00016	2020-008K	45140	Not Applicable	Not Applicable	SL0028
OWLID00017	2020-008L	45141	Not Applicable	Not Applicable	SL0032
OWLID00018	2020-008M	45142	Not Applicable	Not Applicable	SL0033
OWLID00019	2020-008N	45143	Not Applicable	Not Applicable	SL0035
OWLID00020	2020-008P	45144	Not Applicable	Not Applicable	SL0036
OWLID00021	2020-008Q	45145	Not Applicable	Not Applicable	SL0038
OWLID00022	2020-008R	45146	Not Applicable	Not Applicable	SL0039
OWLID00023	2020-008S	45147	Not Applicable	Not Applicable	SL0040
OWLID00024	2020-008T	45148	Not Applicable	Not Applicable	SL0041
OWLID00025	2020-008U	45149	Not Applicable	Not Applicable	SL0043
OWLID00026	2020-008V	45150	Not Applicable	Not Applicable	SL0044
OWLID00027	2020-008W	45151	Not Applicable	Not Applicable	SL0045
OWLID00028	2020-008X	45152	Not Applicable	Not Applicable	SL0047
OWLID00029	2020-008Y	45153	Not Applicable	Not Applicable	SL0048

OWLID00030	2020-008Z	45154	Not Applicable	Not Applicable	SL0049
OWLID00031	2020-008AA	45155	Not Applicable	Not Applicable	SL0051
OWLID00032	2020-008AB	45156	Not Applicable	Not Applicable	SL0052
OWLID00033	2020-008AC	45157	Not Applicable	Not Applicable	SL0053
OWLID00034	2020-008AD	45158	Not Applicable	Not Applicable	SL0054
OWLID00035	2020-008AE	45159	Not Applicable	Not Applicable	SL0056
OWLID00036	2020-008AF	45160	Not Applicable	Not Applicable	SL0057
OWLID00037	2020-008AG	45161	Not Applicable	Not Applicable	SL0058
OWLID00038	2020-008AH	45162	Not Applicable	Not Applicable	SL0059
OWLID00039	2020-008AJ	45163	Not Applicable	Not Applicable	SL0062
OWLID00040	2020-008AK	45164	Not Applicable	Not Applicable	SL0065

OneWeb Launch 3 (OWLID00041-OWLID00074)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

21 March 2020

Location of launch

Baikonur, Kazakhstan

Designation

See Annex 2 for details

Catalogue Number

See Annex 2 for details

Nodal period

109.4

Inclination

87.9

Apogee

1229

Perigee

1212

Orbital position

Not available

General Function

Communications

Notified to the UN

17 April 2020

Disposed or decayed

See Annex 2 for details

Disposal Notified to the UN

See Annex 2 for details

Accepted onto UK Register of Space Objects

May 2020

Licence issued under the Outer Space Act 1986

06 March 2020

Additional information

Not available.

Annex 2

OneWeb Launch 3 – Baikonur, Kazakhstan, 21 March 2020

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00041	2020-020L	45434	Not Applicable	Not Applicable	SL0018
OWLID00042	2020-020AB	45449	Not Applicable	Not Applicable	SL0019
OWLID00043	2020-020J	45432	Not Applicable	Not Applicable	SL0027
OWLID00044	2020-020X	45445	Not Applicable	Not Applicable	SL0029
OWLID00045	2020-020H	45431	Not Applicable	Not Applicable	SL0031
OWLID00046	2020-020AG	45454	Not Applicable	Not Applicable	SL0034
OWLID00047	2020-020S	45440	Not Applicable	Not Applicable	SL0037
OWLID00048	2020-020T	45441	Not Applicable	Not Applicable	SL0042
OWLID00049	2020-020Z	45447	Not Applicable	Not Applicable	SL0046
OWLID00050	2020-020AF	45453	Not Applicable	Not Applicable	SL0050
OWLID00051	2020-020V	45443	Not Applicable	Not Applicable	SL0055
OWLID00052	2020-020AH	45455	Not Applicable	Not Applicable	SL0060
OWLID00053	2020-020E	45428	Not Applicable	Not Applicable	SL0061
OWLID00054	2020-020AA	45448	Not Applicable	Not Applicable	SL0063
OWLID00055	2020-020K	45433	Not Applicable	Not Applicable	SL0064
OWLID00056	2020-020A	45424	Not Applicable	Not Applicable	SL0066
OWLID00057	2020-020B	45425	Not Applicable	Not Applicable	SL0067
OWLID00058	2020-020Y	45446	Not Applicable	Not Applicable	SL0068
OWLID00059	2020-020G	45430	Not Applicable	Not Applicable	SL0069
OWLID00060	2020-020C	45426	Not Applicable	Not Applicable	SL0080
OWLID00061	2020-020F	45429	Not Applicable	Not Applicable	SL0081
OWLID00062	2020-020AE	45452	Not Applicable	Not Applicable	SL0082

OWLID00063	2020-020M	45435	Not Applicable	Not Applicable	SL0083
OWLID00064	2020-020Q	45438	Not Applicable	Not Applicable	SL0085
OWLID00065	2020-020AJ	45456	Not Applicable	Not Applicable	SL0086
OWLID00066	2020-020AD	45451	Not Applicable	Not Applicable	SL0087
OWLID00067	2020-020AK	45457	Not Applicable	Not Applicable	SL0088
OWLID00068	2020-020D	45427	Not Applicable	Not Applicable	SL0090
OWLID00069	2020-020P	45437	Not Applicable	Not Applicable	SL0092
OWLID00070	2020-020W	45444	Not Applicable	Not Applicable	SL0093
OWLID00071	2020-020AC	45450	Not Applicable	Not Applicable	SL0094
OWLID00072	2020-020N	45436	Not Applicable	Not Applicable	SL0095
OWLID00073	2020-020R	45439	Not Applicable	Not Applicable	SL0096
OWLID00074	2020-020U	45442	Not Applicable	Not Applicable	SL0098

Faraday-1

Owner/Operator

In-Space Missions Limited, Whitmore View, Hammer Lane, Grayshott, Hampshire, GU26 6JD

Date of launch

4 July 2020

Location of launch

Mahia Launch Facility

Designation

Not available

Catalogue Number

Not available

Nodal period

Not available

Inclination

Not available

Apogee

Not available

Perigee

Not available

Orbital position

Not available

General Function

In Orbit Demonstration

Notified to the UN

Not available

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

September 2020

Licence issued under the Outer Space Act 1986

2 July 2020

Additional information

The Electron Launch vehicle failed during the second stage burn and the satellite was lost.

OneWeb Launch 4 (OWLID00075-OWLID00110)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

18 December 2020

Location of launch

Vostochny Cosmodrome, Russia

Designation

See Annex 3 for details

Catalogue Number

See Annex 3 for details

Nodal period

109.4

Inclination

87.9

Apogee

1213

Perigee

1209

Orbital position

Not available

General Function

Communications

Notified to the UN

07 January 2021

Disposed or decayed

See Annex 3 for details

Disposal Notified to the UN

See Annex 3 for details

Accepted onto UK Register of Space Objects

08 January 2021

Licence issued under the Outer Space Act 1986

07 December 2020

Additional information

Not available.

Annex 3

OneWeb Launch 4 – Vostochny Cosmodrome, 18 December 2020

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00075	2020-100A	47258	Not Applicable	Not Applicable	SL0102
OWLID00076	2020-100B	47259	Not Applicable	Not Applicable	SL0109
OWLID00077	2020-100C	47260	Not Applicable	Not Applicable	SL0110
OWLID00078	2020-100D	47261	Not Applicable	Not Applicable	SL0111
OWLID00079	2020-100E	47262	Not Applicable	Not Applicable	SL0114
OWLID00080	2020-100F	47263	Not Applicable	Not Applicable	SL0117
OWLID00081	2020-100G	47264	Not Applicable	Not Applicable	SL0118
OWLID00082	2020-100H	47265	Not Applicable	Not Applicable	SL0119
OWLID00083	2020-100J	47266	Not Applicable	Not Applicable	SL0120
OWLID00084	2020-100K	47267	Not Applicable	Not Applicable	SL0121
OWLID00085	2020-100L	47268	Not Applicable	Not Applicable	SL0122
OWLID00086	2020-100M	47269	Not Applicable	Not Applicable	SL0123
OWLID00087	2020-100N	47270	Not Applicable	Not Applicable	SL0124
OWLID00088	2020-100P	47271	Not Applicable	Not Applicable	SL0125
OWLID00089	2020-100Q	47272	Not Applicable	Not Applicable	SL0126
OWLID00090	2020-100R	47273	Not Applicable	Not Applicable	SL0127
OWLID00091	2020-100S	47274	Not Applicable	Not Applicable	SL0128
OWLID00092	2020-100T	47275	Not Applicable	Not Applicable	SL0129
OWLID00093	2020-100U	47276	Not Applicable	Not Applicable	SL0130
OWLID00094	2020-100V	47277	Not Applicable	Not Applicable	SL0131
OWLID00095	2020-100W	47278	Not Applicable	Not Applicable	SL0132
OWLID00096	2020-100X	47279	Not Applicable	Not Applicable	SL0133
OWLID00097	2020-100Y	47280	Not Applicable	Not Applicable	SL0134

OWLID00098	2020-100Z	47281	Not Applicable	Not Applicable	SL0135
OWLID00099	2020-100AA	47282	Not Applicable	Not Applicable	SL0136
OWLID00100	2020-100AB	47283	Not Applicable	Not Applicable	SL0137
OWLID00101	2020-100AC	47284	Not Applicable	Not Applicable	SL0138
OWLID00102	2020-100AD	47285	Not Applicable	Not Applicable	SL0139
OWLID00103	2020-100AE	47286	Not Applicable	Not Applicable	SL0140
OWLID00104	2020-100AF	47287	Not Applicable	Not Applicable	SL0141
OWLID00105	2020-100AG	47288	Not Applicable	Not Applicable	SL0142
OWLID00106	2020-100AH	47289	Not Applicable	Not Applicable	SL0143
OWLID00107	2020-100AJ	47290	Not Applicable	Not Applicable	SL0144
OWLID00108	2020-100AK	47291	Not Applicable	Not Applicable	SL0145
OWLID00109	2020-100AL	47292	Not Applicable	Not Applicable	SL0146
OWLID00110	2020-100AM	47293	Not Applicable	Not Applicable	SL0147

OneWeb Launch 5 (OWLID00111-OWLID00146)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

25 March 2021

Location of launch

Vostochny Cosmodrome, Russia

Designation

See Annex 4 for details

Catalogue Number

See Annex 4 for details

Nodal period

109.4

Inclination

87.9

Apogee

1213

Perigee

1209

Orbital position

Not available

General Function

Communications

Notified to the UN

12 April 2021

Disposed or decayed

See Annex 4 for details

Disposal Notified to the UN

See Annex 4 for details

Accepted onto UK Register of Space Objects

12 April 2021

Licence issued under the Outer Space Act 1986

25 January 2021

Additional information

Not available.

Annex 4

OneWeb Launch 5 – Vostochny Cosmodrome, 25 March 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00111	2021-025A	48042	Not Applicable	Not Applicable	SL0115
OWLID00112	2021-025B	48043	Not Applicable	Not Applicable	SL0152
OWLID00113	2021-025C	48044	Not Applicable	Not Applicable	SL0153
OWLID00114	2021-025D	48045	Not Applicable	Not Applicable	SL0154
OWLID00115	2021-025E	48046	Not Applicable	Not Applicable	SL0116
OWLID00116	2021-025F	48047	Not Applicable	Not Applicable	SL0150
OWLID00117	2021-025G	48048	Not Applicable	Not Applicable	SL0107
OWLID00118	2021-025H	48049	Not Applicable	Not Applicable	SL0101
OWLID00119	2021-025J	48050	Not Applicable	Not Applicable	SL0113
OWLID00120	2021-025K	48051	Not Applicable	Not Applicable	SL0112
OWLID00121	2021-025L	48052	Not Applicable	Not Applicable	SL0156
OWLID00122	2021-025M	48053	Not Applicable	Not Applicable	SL0161
OWLID00123	2021-025N	48054	Not Applicable	Not Applicable	SL0158
OWLID00124	2021-025P	48055	Not Applicable	Not Applicable	SL0157
OWLID00125	2021-025Q	48056	Not Applicable	Not Applicable	SL0162
OWLID00126	2021-025R	48057	Not Applicable	Not Applicable	SL0155
OWLID00127	2021-025S	48058	Not Applicable	Not Applicable	SL0149
OWLID00128	2021-025T	48059	Not Applicable	Not Applicable	SL0148
OWLID00129	2021-025U	48060	Not Applicable	Not Applicable	SL0160
OWLID00130	2021-025V	48061	Not Applicable	Not Applicable	SL0163
OWLID00131	2021-025W	48062	Not Applicable	Not Applicable	SL0159
OWLID00132	2021-025X	48063	Not Applicable	Not Applicable	SL0164
OWLID00133	2021-025Y	48064	Not Applicable	Not Applicable	SL0167

OWLID00134	2021-025Z	48065	Not Applicable	Not Applicable	SL0166
OWLID00135	2021-025AA	48066	Not Applicable	Not Applicable	SL0151
OWLID00136	2021-025AB	48067	Not Applicable	Not Applicable	SL0170
OWLID00137	2021-025AC	48068	Not Applicable	Not Applicable	SL0168
OWLID00138	2021-025AD	48069	Not Applicable	Not Applicable	SL0173
OWLID00139	2021-025AE	48070	Not Applicable	Not Applicable	SL0171
OWLID00140	2021-025AF	48071	Not Applicable	Not Applicable	SL0172
OWLID00141	2021-025AG	48072	Not Applicable	Not Applicable	SL0174
OWLID00142	2021-025AH	48073	Not Applicable	Not Applicable	SL0175
OWLID00143	2021-025AJ	48074	Not Applicable	Not Applicable	SL0177
OWLID00144	2021-025AK	48075	Not Applicable	Not Applicable	SL0178
OWLID00145	2021-025AL	48076	Not Applicable	Not Applicable	SL0108
OWLID00146	2021-025AM	48077	Not Applicable	Not Applicable	SL0169

3B5GSAT (SOSAT)

Owner/Operator

Open Cosmos Ltd, Electron Building, Fermi Avenue, Harwell, OX11 0QR

Date of launch

22 March 2021

Location of launch

Baikonur, Kazakhstan

Designation

2021-022Y

Catalogue Number

47954

Nodal period

Not applicable

Inclination

Not applicable

Apogee

Not applicable

Perigee

Not applicable

Orbital position

Not available

General Function

IOT Demo

Notified to the UN

1st April 2021

Disposed or decayed

25th July 2024

Disposal Notified to the UN

25th September 2024

Accepted onto UK Register of Space Objects

01 April 2021

Licence issued under the Outer Space Act 1986

12 March 2021

Additional information

Not Applicable.

LacunaSat-2B

Owner/Operator

Open Cosmos Ltd, Electron Building, Fermi Avenue, Harwell, OX11 0QR

Date of launch

22 March 2021

Location of launch

Baikonur, Kazakhstan

Designation

2021-022S

Catalogue Number

47948

Nodal period

Not applicable

Inclination

Not applicable

Apogee

Not applicable

Perigee

Not applicable

Orbital position

Not available

General Function

IOT Analysis

Notified to the UN

01 April 2021

Disposed or decayed

27 April 2024

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

01 April 2021

Licence issued under the Outer Space Act 1986

12 March 2021

Additional information

Not Applicable.

OneWeb Launch 6 (OWLID00147-OWLID00182)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

25 April 2021

Location of launch

Vostochny Cosmodrome, Russia

Designation

See Annex 5 for details

Catalogue Number

See Annex 5 for details

Nodal period

109.4

Inclination

87.9

Apogee

1213

Perigee

1209

Orbital position

Not available

General Function

Communications

Notified to the UN

07 May 2021

Disposed or decayed

See Annex 5 for details

Disposal Notified to the UN

See Annex 5 for details

Accepted onto UK Register of Space Objects

07 May 2021

Licence issued under the Outer Space Act 1986

08 April 2021

Additional information

Not Applicable.

Annex 5

OneWeb Launch 6 – Vostochny Cosmodrome, 25 April 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00147	2021-031A	48210	Not Applicable	Not Applicable	SL0176
OWLID00148	2021-031B	48211	Not Applicable	Not Applicable	SL0184
OWLID00149	2021-031C	48212	Not Applicable	Not Applicable	SL0179
OWLID00150	2021-031D	48213	Not Applicable	Not Applicable	SL0180
OWLID00151	2021-031E	48214	Not Applicable	Not Applicable	SL0218
OWLID00152	2021-031F	48215	Not Applicable	Not Applicable	SL0209
OWLID00153	2021-031G	48216	Not Applicable	Not Applicable	SL0198
OWLID00154	2021-031H	48217	Not Applicable	Not Applicable	SL0189
OWLID00155	2021-031J	48218	Not Applicable	Not Applicable	SL0196
OWLID00156	2021-031K	48219	Not Applicable	Not Applicable	SL0183
OWLID00157	2021-031L	48220	Not Applicable	Not Applicable	SL0185
OWLID00158	2021-031M	48221	Not Applicable	Not Applicable	SL0187
OWLID00159	2021-031N	48222	Not Applicable	Not Applicable	SL0192
OWLID00160	2021-031P	48223	Not Applicable	Not Applicable	SL0219
OWLID00161	2021-031Q	48224	Not Applicable	Not Applicable	SL0202
OWLID00162	2021-031R	48225	Not Applicable	Not Applicable	SL0204
OWLID00163	2021-031S	48226	Not Applicable	Not Applicable	SL0205
OWLID00164	2021-031T	48227	Not Applicable	Not Applicable	SL0206
OWLID00165	2021-031U	48228	Not Applicable	Not Applicable	SL0182
OWLID00166	2021-031V	48229	Not Applicable	Not Applicable	SL0186
OWLID00167	2021-031W	48230	Not Applicable	Not Applicable	SL0181
OWLID00168	2021-031X	48231	Not Applicable	Not Applicable	SL0188
OWLID00169	2021-031Y	48232	Not Applicable	Not Applicable	SL0220

OWLID00170	2021-031Z	48233	Not Applicable	Not Applicable	SL0165
OWLID00171	2021-031AA	48234	Not Applicable	Not Applicable	SL0199
OWLID00172	2021-031AB	48235	Not Applicable	Not Applicable	SL0203
OWLID00173	2021-031AC	48236	Not Applicable	Not Applicable	SL0197
OWLID00174	2021-031AD	48237	Not Applicable	Not Applicable	SL0194
OWLID00175	2021-031AE	48238	Not Applicable	Not Applicable	SL0193
OWLID00176	2021-031AF	48239	Not Applicable	Not Applicable	SL0191
OWLID00177	2021-031AG	48240	Not Applicable	Not Applicable	SL0195
OWLID00178	2021-031AH	48241	Not Applicable	Not Applicable	SL0201
OWLID00179	2021-031AJ	48242	Not Applicable	Not Applicable	SL0207
OWLID00180	2021-031AK	48243	Not Applicable	Not Applicable	SL0208
OWLID00181	2021-031AL	48244	Not Applicable	Not Applicable	SL0200
OWLID00182	2021-031AM	48245	Not Applicable	Not Applicable	SL0217

OneWeb Launch 7 (OWLID00183-OWLID00218)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

28 May 2021

Location of launch

Vostochny Cosmodrome, Russia

Designation

See Annex 6 for details

Catalogue Number

See Annex 6 for details

Nodal period

109.4

Inclination

87.9

Apogee

1201

Perigee

1197

Orbital position

Not available

General Function

Communications

Notified to the UN

14 June 2021

Disposed or decayed

See Annex 6 for details

Disposal Notified to the UN

See Annex 6 for details

Accepted onto UK Register of Space Objects

05 July 2021

Licence issued under the Outer Space Act 1986

12 May 2021

Additional information

Not available.

Annex 6

OneWeb Launch 7 – Vostochny Cosmodrome, 28 May 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00183	2021-045A	48767	Not Applicable	Not Applicable	SL0211
OWLID00184	2021-045B	48768	Not Applicable	Not Applicable	SL0223
OWLID00185	2021-045C	48769	Not Applicable	Not Applicable	SL0230
OWLID00186	2021-045D	48770	Not Applicable	Not Applicable	SL0237
OWLID00187	2021-045E	48771	Not Applicable	Not Applicable	SL0235
OWLID00188	2021-045F	48772	Not Applicable	Not Applicable	SL0242
OWLID00189	2021-045G	48773	Not Applicable	Not Applicable	SL0241
OWLID00190	2021-045H	48774	Not Applicable	Not Applicable	SL0243
OWLID00191	2021-045J	48775	Not Applicable	Not Applicable	SL0222
OWLID00192	2021-045K	48776	Not Applicable	Not Applicable	SL0244
OWLID00193	2021-045L	48777	Not Applicable	Not Applicable	SL0247
OWLID00194	2021-045M	48778	Not Applicable	Not Applicable	SL0245
OWLID00195	2021-045N	48779	Not Applicable	Not Applicable	SL0229
OWLID00196	2021-045P	48780	Not Applicable	Not Applicable	SL0228
OWLID00197	2021-045Q	48781	Not Applicable	Not Applicable	SL0232
OWLID00198	2021-045R	48782	Not Applicable	Not Applicable	SL0231
OWLID00199	2021-045S	48783	Not Applicable	Not Applicable	SL0234
OWLID00200	2021-045T	48784	Not Applicable	Not Applicable	SL0238
OWLID00201	2021-045U	48785	Not Applicable	Not Applicable	SL0240
OWLID00202	2021-045V	48786	Not Applicable	Not Applicable	SL0246
OWLID00203	2021-045W	48787	Not Applicable	Not Applicable	SL0210
OWLID00204	2021-045X	48788	Not Applicable	Not Applicable	SL0214
OWLID00205	2021-045Y	48789	Not Applicable	Not Applicable	SL0221

OWLID00206	2021-045Z	48790	Not Applicable	Not Applicable	SL0213
OWLID00207	2021-045AA	48791	Not Applicable	Not Applicable	SL0212
OWLID00208	2021-045AB	48792	Not Applicable	Not Applicable	SL0227
OWLID00209	2021-045AC	48793	Not Applicable	Not Applicable	SL0226
OWLID00210	2021-045AD	48794	Not Applicable	Not Applicable	SL0224
OWLID00211	2021-045AE	48795	Not Applicable	Not Applicable	SL0233
OWLID00212	2021-045AF	48796	Not Applicable	Not Applicable	SL0190
OWLID00213	2021-045AG	48797	Not Applicable	Not Applicable	SL0236
OWLID00214	2021-045AH	48798	Not Applicable	Not Applicable	SL0248
OWLID00215	2021-045AJ	48799	Not Applicable	Not Applicable	SL0225
OWLID00216	2021-045AK	48800	Not Applicable	Not Applicable	SL0215
OWLID00217	2021-045AL	48801	Not Applicable	Not Applicable	SL0216
OWLID00218	2021-045AM	48802	Not Applicable	Not Applicable	SL0239

SOAR

Owner/Operator

University of Manchester, Oxford Road, Manchester, M13 9PL

Date of launch

14 June 2021

Location of launch

Deployed from the ISS

Designation

1998-067SM

Catalogue Number

48851

Nodal period

92.88

Inclination

51.64

Apogee

421

Perigee

415

Orbital position

Not available

General Function

Technology Demonstration

Notified to the UN

22 June 2021

Disposed or decayed

14 March 2022

Disposal Notified to the UN

24 March 2022

Accepted onto UK Register of Space Objects

05 July 2021

Licence issued under the Outer Space Act 1986

27 May 2021

Additional information

Re-entry took place on 14 March 2022.

OneWeb Launch 8 (OWLID00219-OWLID00254)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

1 July 2021

Location of launch

Vostochny Cosmodrome, Russia

Designation

See Annex 7 for details

Catalogue Number

See Annex 7 for details

Nodal period

109.4

Inclination

87.9

Apogee

1197

Perigee

1193

Orbital position

Not available

General Function

Communications

Notified to the UN

19 July 2021

Disposed or decayed

See Annex 7 for details

Disposal Notified to the UN

See Annex 7 for details

Accepted onto UK Register of Space Objects

19 July 2021

Licence issued under the Outer Space Act 1986

15 June 2021

Additional information

Not applicable.

Annex 7

OneWeb Launch 8 – Vostochny Cosmodrome, 01 July 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00219	2021-060A	48967	Not Applicable	Not Applicable	SL0249
OWLID00220	2021-060B	48968	Not Applicable	Not Applicable	SL0250
OWLID00221	2021-060C	48969	20/07/2022	02/08/2022	SL0251
OWLID00222	2021-060D	48970	Not Applicable	Not Applicable	SL0252
OWLID00223	2021-060E	48971	Not Applicable	Not Applicable	SL0253
OWLID00224	2021-060F	48972	Not Applicable	Not Applicable	SL0254
OWLID00225	2021-060G	48973	Not Applicable	Not Applicable	SL0255
OWLID00226	2021-060H	48974	Not Applicable	Not Applicable	SL0256
OWLID00227	2021-060J	48975	Not Applicable	Not Applicable	SL0257
OWLID00228	2021-060K	48976	Not Applicable	Not Applicable	SL0258
OWLID00229	2021-060L	48977	Not Applicable	Not Applicable	SL0259
OWLID00230	2021-060M	48978	Not Applicable	Not Applicable	SL0260
OWLID00231	2021-060N	48979	Not Applicable	Not Applicable	SL0261
OWLID00232	2021-060P	48980	Not Applicable	Not Applicable	SL0262
OWLID00233	2021-060Q	48981	Not Applicable	Not Applicable	SL0263
OWLID00234	2021-060R	48982	Not Applicable	Not Applicable	SL0264
OWLID00235	2021-060S	48983	29/03/2022	14/07/2022	SL0265
OWLID00236	2021-060T	48984	Not Applicable	Not Applicable	SL0266
OWLID00237	2021-060U	48985	Not Applicable	Not Applicable	SL0267
OWLID00238	2021-060V	48986	Not Applicable	Not Applicable	SL0268
OWLID00239	2021-060W	48987	Not Applicable	Not Applicable	SL0269
OWLID00240	2021-060X	48988	Not Applicable	Not Applicable	SL0270
OWLID00241	2021-060Y	48989	Not Applicable	Not Applicable	SL0271

OWLID00242	2021-060Z	48990	Not Applicable	Not Applicable	SL0272
OWLID00243	2021-060AA	48991	Not Applicable	Not Applicable	SL0273
OWLID00244	2021-060AB	48992	Not Applicable	Not Applicable	SL0274
OWLID00245	2021-060AC	48993	Not Applicable	Not Applicable	SL0275
OWLID00246	2021-060AD	48994	Not Applicable	Not Applicable	SL0276
OWLID00247	2021-060AE	48995	Not Applicable	Not Applicable	SL0277
OWLID00248	2021-060AF	48996	Not Applicable	Not Applicable	SL0278
OWLID00249	2021-060AG	48997	Not Applicable	Not Applicable	SL0279
OWLID00250	2021-060AH	48998	Not Applicable	Not Applicable	SL0280
OWLID00251	2021-060AJ	48999	Not Applicable	Not Applicable	SL0281
OWLID00252	2021-060AK	49000	Not Applicable	Not Applicable	SL0282
OWLID00253	2021-060AL	49001	Not Applicable	Not Applicable	SL0283
OWLID00254	2021-060AM	49002	Not Applicable	Not Applicable	SL0284

Faraday Pheonix

Owner/Operator

In-Space Missions Ltd, 8 Oriel Court, Omega Park, Alton, GU34 2YT

Date of launch

30 June 2021

Location of launch

Cape Canaveral, USA

Designation

2021-059AX

Catalogue Number

48924

Nodal period

95.16

Inclination

97.52

Apogee

540

Perigee

512

Orbital position

Not applicable

General Function

In Orbit Demonstration

Notified to the UN

28 September 2021

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

October 2021

Licence issued under the Outer Space Act 1986

11 June 21

Additional information

Not applicable.

OneWeb Launch 9 (OWLID00255-OWLID00288)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

21 August 2021

Location of launch

Baikonur, Kazakhstan

Designation

See Annex 8 for details

Catalogue Number

See Annex 8 for details

Nodal period

109.4

Inclination

87.9

Apogee

1185

Perigee

1213

Orbital position

Not applicable

General Function

Communications

Notified to the UN

23 September 2021

Disposed or decayed

See Annex 8 for details

Disposal Notified to the UN

See Annex 8 for details

Accepted onto UK Register of Space Objects

October 2021

Licence issued under the Outer Space Act 1986

16 July 2021

Additional information

Not applicable.

Annex 8

OneWeb Launch 9 – Baikonur, Kazakhstan, 21 August 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00255	2021-075A	49075	Not Applicable	Not Applicable	SL0285
OWLID00256	2021-075B	49076	Not Applicable	Not Applicable	SL0286
OWLID00257	2021-075C	49077	Not Applicable	Not Applicable	SL0287
OWLID00258	2021-075D	49078	Not Applicable	Not Applicable	SL0288
OWLID00259	2021-075E	49079	Not Applicable	Not Applicable	SL0289
OWLID00260	2021-075F	49080	Not Applicable	Not Applicable	SL0290
OWLID00261	2021-075G	49081	Not Applicable	Not Applicable	SL0291
OWLID00262	2021-075H	49082	Not Applicable	Not Applicable	SL0293
OWLID00263	2021-075J	49083	Not Applicable	Not Applicable	SL0294
OWLID00264	2021-075K	49084	Not Applicable	Not Applicable	SL0295
OWLID00265	2021-075L	49085	Not Applicable	Not Applicable	SL0296
OWLID00266	2021-075M	49086	Not Applicable	Not Applicable	SL0297
OWLID00267	2021-075N	49087	Not Applicable	Not Applicable	SL0298
OWLID00268	2021-075P	49088	Not Applicable	Not Applicable	SL0299
OWLID00269	2021-075Q	49089	Not Applicable	Not Applicable	SL0300
OWLID00270	2021-075R	49090	Not Applicable	Not Applicable	SL0301
OWLID00271	2021-075S	49091	Not Applicable	Not Applicable	SL0302
OWLID00272	2021-075T	49092	Not Applicable	Not Applicable	SL0304
OWLID00273	2021-075U	49093	Not Applicable	Not Applicable	SL0305
OWLID00274	2021-075V	49094	Not Applicable	Not Applicable	SL0308
OWLID00275	2021-075W	49095	Not Applicable	Not Applicable	SL0309
OWLID00276	2021-075X	49096	Not Applicable	Not Applicable	SL0310
OWLID00277	2021-075Y	49097	Not Applicable	Not Applicable	SL0311
OWLID00278	2021-075Z	49098	Not Applicable	Not Applicable	SL0312
OWLID00279	2021-075AA	49099	Not Applicable	Not Applicable	SL0313
OWLID00280	2021-075AB	49100	Not Applicable	Not Applicable	SL0314
OWLID00281	2021-075AC	49101	Not Applicable	Not Applicable	SL0315
OWLID00282	2021-075AD	49102	Not Applicable	Not Applicable	SL0316
OWLID00283	2021-075AE	49103	Not Applicable	Not Applicable	SL0317
OWLID00284	2021-075AF	49104	Not Applicable	Not Applicable	SL0318
OWLID00285	2021-075AG	49105	Not Applicable	Not Applicable	SL0319
OWLID00286	2021-075AH	49106	Not Applicable	Not Applicable	SL0323

OWLID00287	2021-075AJ	49107	Not Applicable	Not Applicable	SL0329
OWLID00288	2021-075AK	49108	Not Applicable	Not Applicable	SL0330

OneWeb Launch 10 (OWLID00289-OWLID00322)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

14 September 2021

Location of launch

Baikonur, Kazakhstan

Designation

See Annex 9 for details

Catalogue Number

See Annex 9 for details

Nodal period

109.4

Inclination

87.9

Apogee

1181

Perigee

1209

Orbital position

Not applicable

General Function

Communications

Notified to the UN

23 September 2021

Disposed or decayed

See Annex 9 for details

Disposal Notified to the UN

See Annex 9 for details

Accepted onto UK Register of Space Objects

October 2021

Licence issued under the Outer Space Act 1986

27 July 2021

Additional information

Not applicable.

Annex 9

OneWeb Launch 10 – Baikonur, Kazakhstan, 14 September 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00289	2021-083A	49186	Not Applicable	Not Applicable	SL292
OWLID00290	2021-083B	49187	Not Applicable	Not Applicable	SL303
OWLID00291	2021-083C	49188	Not Applicable	Not Applicable	SL306
OWLID00292	2021-083D	49189	Not Applicable	Not Applicable	SL307
OWLID00293	2021-083E	49190	Not Applicable	Not Applicable	SL320
OWLID00294	2021-083F	49191	Not Applicable	Not Applicable	SL321
OWLID00295	2021-083G	49192	Not Applicable	Not Applicable	SL322
OWLID00296	2021-083H	49193	Not Applicable	Not Applicable	SL324
OWLID00297	2021-083J	49194	Not Applicable	Not Applicable	SL325
OWLID00298	2021-083K	49195	Not Applicable	Not Applicable	SL326
OWLID00299	2021-083L	49196	Not Applicable	Not Applicable	SL327
OWLID00300	2021-083M	49197	Not Applicable	Not Applicable	SL328
OWLID00301	2021-083N	49198	Not Applicable	Not Applicable	SL331
OWLID00302	2021-083P	49199	Not Applicable	Not Applicable	SL333
OWLID00303	2021-083Q	49200	Not Applicable	Not Applicable	SL334
OWLID00304	2021-083R	49201	Not Applicable	Not Applicable	SL335
OWLID00305	2021-083S	49202	Not Applicable	Not Applicable	SL336
OWLID00306	2021-083T	49203	Not Applicable	Not Applicable	SL337
OWLID00307	2021-083U	49204	Not Applicable	Not Applicable	SL338
OWLID00308	2021-083V	49205	Not Applicable	Not Applicable	SL339
OWLID00309	2021-083W	49206	Not Applicable	Not Applicable	SL340
OWLID00310	2021-083X	49207	Not Applicable	Not Applicable	SL341
OWLID00311	2021-083Y	49208	Not Applicable	Not Applicable	SL342

OWLID00312	2021-083Z	49209	Not Applicable	Not Applicable	SL343
OWLID00313	2021-083AA	49210	Not Applicable	Not Applicable	SL344
OWLID00314	2021-083AB	49211	Not Applicable	Not Applicable	SL345
OWLID00315	2021-083AC	49212	Not Applicable	Not Applicable	SL346
OWLID00316	2021-083AD	49213	Not Applicable	Not Applicable	SL348
OWLID00317	2021-083AE	49214	Not Applicable	Not Applicable	SL350
OWLID00318	2021-083AF	49215	Not Applicable	Not Applicable	SL351
OWLID00319	2021-083AG	49216	Not Applicable	Not Applicable	SL352
OWLID00320	2021-083AH	49217	Not Applicable	Not Applicable	SL354
OWLID00321	2021-083AJ	49218	Not Applicable	Not Applicable	SL355
OWLID00322	2021-083AK	49219	Not Applicable	Not Applicable	SL357

OneWeb Launch 11 (OWLID00323-OWLID00358)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

14 October 2021

Location of launch

Baikonur, Kazakhstan

Designation

See Annex 10 for details

Catalogue Number

See Annex 10 for details

Nodal period

109.4

Inclination

87.9

Apogee

1177

Perigee

1205

Orbital position

Not available

General Function

Communications

Notified to the UN

2 November 2021

Disposed or decayed

See Annex 10 for details

Disposal Notified to the UN

See Annex 10 for details

Accepted onto UK Register of Space Objects

December 2021

Licence issued under the Outer Space Act 1986

28 September 2021

Additional information

See Annex 10 for details of each individual satellite in this launch.

Annex 10

OneWeb Launch 11 – Vostochny Cosmodrome, 14 October 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00323	2021-090A	49279	Not Applicable	Not Applicable	SL332
OWLID00324	2021-090B	49280	Not Applicable	Not Applicable	SL347
OWLID00325	2021-090C	49281	Not Applicable	Not Applicable	SL349
OWLID00326	2021-090D	49282	Not Applicable	Not Applicable	SL353
OWLID00327	2021-090E	49283	Not Applicable	Not Applicable	SL356
OWLID00328	2021-090F	49284	Not Applicable	Not Applicable	SL358
OWLID00329	2021-090G	49285	Not Applicable	Not Applicable	SL359
OWLID00330	2021-090H	49286	Not Applicable	Not Applicable	SL360
OWLID00331	2021-090J	49287	Not Applicable	Not Applicable	SL361
OWLID00332	2021-090K	49288	Not Applicable	Not Applicable	SL362
OWLID00333	2021-090L	49289	Not Applicable	Not Applicable	SL363
OWLID00334	2021-090M	49290	Not Applicable	Not Applicable	SL364
OWLID00335	2021-090N	49291	Not Applicable	Not Applicable	SL365
OWLID00336	2021-090P	49292	Not Applicable	Not Applicable	SL366
OWLID00337	2021-090Q	49293	Not Applicable	Not Applicable	SL367
OWLID00338	2021-090R	49294	Not Applicable	Not Applicable	SL368
OWLID00339	2021-090S	49295	Not Applicable	Not Applicable	SL369
OWLID00340	2021-090T	49296	Not Applicable	Not Applicable	SL370
OWLID00341	2021-090U	49297	Not Applicable	Not Applicable	SL371
OWLID00342	2021-090V	49298	Not Applicable	Not Applicable	SL372
OWLID00343	2021-090W	49299	Not Applicable	Not Applicable	SL373
OWLID00344	2021-090X	49300	Not Applicable	Not Applicable	SL374
OWLID00345	2021-090Y	49301	Not Applicable	Not Applicable	SL375
OWLID00346	2021-090Z	49302	Not Applicable	Not Applicable	SL376
OWLID00347	2021-090AA	49303	Not Applicable	Not Applicable	SL377
OWLID00348	2021-090AB	49304	Not Applicable	Not Applicable	SL378
OWLID00349	2021-090AC	49305	Not Applicable	Not Applicable	SL379
OWLID00350	2021-090AD	49306	Not Applicable	Not Applicable	SL380
OWLID00351	2021-090AE	49307	Not Applicable	Not Applicable	SL381
OWLID00352	2021-090AF	49308	Not Applicable	Not Applicable	SL382
OWLID00353	2021-090AG	49309	Not Applicable	Not Applicable	SL383
OWLID00354	2021-090AH	49310	Not Applicable	Not Applicable	SL384

OWLID00355	2021-090AJ	49311	Not Applicable	Not Applicable	SL385
OWLID00356	2021-090AK	49312	Not Applicable	Not Applicable	SL386
OWLID00357	2021-090AL	49313	Not Applicable	Not Applicable	SL387
OWLID00358	2021-090AM	49314	Not Applicable	Not Applicable	SL388

Inmarsat-6 F1

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX

Date of launch

22 December 2021

Location of launch

Tanesgashima Island, Japan

Designation

2021-128A

Catalogue Number

50319

Nodal period

1268.28

Inclination

30.04

Apogee

35786

Perigee

35786

Orbital position

28W

General Function

Communications

Notified to the UN

12 January 2022

Disposed or decayed

Not available

Disposal Notified to the UN

Not available

Accepted onto UK Register of Space Objects

12 January 2022

Licence issued under the Outer Space Act 1986

16 December 2021

Additional information

Not available.

OneWeb Launch 12 (OWLID00359-OWLID00394)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

27 December 2021

Location of launch

Baikonur, Kazakhstan

Designation

See Annex 11 for details

Catalogue Number

See Annex 11 for details

Nodal period

109.4

Inclination

87.8

Apogee

1189

Perigee

1217

Orbital position

Not applicable

General Function

Communications

Notified to the UN

12 January 2022

Disposed or decayed

See Annex 11 for details

Disposal Notified to the UN

See Annex 11 for details

Accepted onto UK Register of Space Objects

12 January 2022

Licence issued under the Outer Space Act 1986

10 December 2021

Additional information

See Annex 11 for details of each individual satellite in this launch.

Annex 11

OneWeb Launch 12 – Baikonur, Kazakhstan, 27 December 2021

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00359	2021-132A	50469	Not Applicable	Not Applicable	SL0389
OWLID00360	2021-132B	50470	Not Applicable	Not Applicable	SL0390
OWLID00361	2021-132C	50471	Not Applicable	Not Applicable	SL0391
OWLID00362	2021-132D	50472	Not Applicable	Not Applicable	SL0392
OWLID00363	2021-132E	50473	Not Applicable	Not Applicable	SL0393
OWLID00364	2021-132F	50474	Not Applicable	Not Applicable	SL0394
OWLID00365	2021-132G	50475	Not Applicable	Not Applicable	SL0395
OWLID00366	2021-132H	50476	Not Applicable	Not Applicable	SL0396
OWLID00367	2021-132J	50477	Not Applicable	Not Applicable	SL0397
OWLID00368	2021-132K	50478	Not Applicable	Not Applicable	SL0398
OWLID00369	2021-132L	50479	Not Applicable	Not Applicable	SL0399
OWLID00370	2021-132M	50480	Not Applicable	Not Applicable	SL0400
OWLID00371	2021-132N	50481	Not Applicable	Not Applicable	SL0401
OWLID00372	2021-132P	50482	Not Applicable	Not Applicable	SL0402
OWLID00373	2021-132Q	50483	Not Applicable	Not Applicable	SL0403
OWLID00374	2021-132R	50484	Not Applicable	Not Applicable	SL0404
OWLID00375	2021-132S	50485	Not Applicable	Not Applicable	SL0405
OWLID00376	2021-132T	50486	Not Applicable	Not Applicable	SL0406
OWLID00377	2021-132U	50487	Not Applicable	Not Applicable	SL0407
OWLID00378	2021-132V	50488	Not Applicable	Not Applicable	SL0409
OWLID00379	2021-132W	50489	Not Applicable	Not Applicable	SL0412
OWLID00380	2021-132X	50490	Not Applicable	Not Applicable	SL0413
OWLID00381	2021-132Y	50491	Not Applicable	Not Applicable	SL0414
OWLID00382	2021-132Z	50492	Not Applicable	Not Applicable	SL0417
OWLID00383	2021-132AA	50493	Not Applicable	Not Applicable	SL0418
OWLID00384	2021-132AB	50494	Not Applicable	Not Applicable	SL0419
OWLID00385	2021-132AC	50495	Not Applicable	Not Applicable	SL0420
OWLID00386	2021-132AD	50496	Not Applicable	Not Applicable	SL0421
OWLID00387	2021-132AE	50497	Not Applicable	Not Applicable	SL0424
OWLID00388	2021-132AF	50498	Not Applicable	Not Applicable	SL0426
OWLID00389	2021-132AG	50499	Not Applicable	Not Applicable	SL0427
OWLID00390	2021-132AH	50500	Not Applicable	Not Applicable	SL0429
OWLID00391	2021-132AJ	50501	Not Applicable	Not Applicable	SL0430
OWLID00392	2021-132AK	50502	Not Applicable	Not Applicable	SL0432
OWLID00393	2021-132AL	50503	Not Applicable	Not Applicable	SL0440
OWLID00394	2021-132AM	50504	Not Applicable	Not Applicable	SL0450

OneWeb Launch 13 (OWLID00395-OWLID00428)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

10 February 2022

Location of launch

Baikonur, Kazakhstan

Designation

See Annex 12 for details

Catalogue Number

See Annex 12 for details

Nodal period

109.4

Inclination

87.8

Apogee

1213

Perigee

1221

Orbital position

Not applicable

General Function

Communications

Notified to the UN

8 March 2022

Disposed or decayed

See Annex 12 for details

Disposal Notified to the UN

See Annex 12 for details

Accepted onto UK Register of Space Objects

April 2022

Licence issued under the Outer Space Act 1986

3 February 2022

Additional information

Not applicable.

Annex 12

OneWeb Launch 13 – Kourou, French Guiana, 10 February 2022

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00395	2022-012A	51622	Not Applicable	Not Applicable	SL0410
OWLID00396	2022-012B	51623	Not Applicable	Not Applicable	SL0411
OWLID00397	2022-012C	51624	Not Applicable	Not Applicable	SL0415
OWLID00398	2022-012D	51625	Not Applicable	Not Applicable	SL0416
OWLID00399	2022-012E	51626	Not Applicable	Not Applicable	SL0422
OWLID00400	2022-012F	51627	Not Applicable	Not Applicable	SL0423
OWLID00401	2022-012G	51628	Not Applicable	Not Applicable	SL0425
OWLID00402	2022-012H	51629	Not Applicable	Not Applicable	SL0428
OWLID00403	2022-012J	51630	Not Applicable	Not Applicable	SL0431
OWLID00404	2022-012K	51631	Not Applicable	Not Applicable	SL0434
OWLID00405	2022-012L	51632	Not Applicable	Not Applicable	SL0435
OWLID00406	2022-012M	51633	Not Applicable	Not Applicable	SL0436
OWLID00407	2022-012N	51634	Not Applicable	Not Applicable	SL0438
OWLID00408	2022-012P	51635	Not Applicable	Not Applicable	SL0439
OWLID00409	2022-012Q	51636	Not Applicable	Not Applicable	SL0442
OWLID00410	2022-012R	51637	Not Applicable	Not Applicable	SL0443
OWLID00411	2022-012S	51638	Not Applicable	Not Applicable	SL0444
OWLID00412	2022-012T	51639	Not Applicable	Not Applicable	SL0445
OWLID00413	2022-012U	51640	Not Applicable	Not Applicable	SL0446
OWLID00414	2022-012V	51641	Not Applicable	Not Applicable	SL0448
OWLID00415	2022-012W	51642	Not Applicable	Not Applicable	SL0449
OWLID00416	2022-012X	51643	Not Applicable	Not Applicable	SL0451
OWLID00417	2022-012Y	51644	Not Applicable	Not Applicable	SL0452
OWLID00418	2022-012Z	51645	Not Applicable	Not Applicable	SL0455
OWLID00419	2022-012AA	51646	Not Applicable	Not Applicable	SL0456
OWLID00420	2022-012AB	51647	Not Applicable	Not Applicable	SL0457
OWLID00421	2022-012AC	51648	Not Applicable	Not Applicable	SL0458
OWLID00422	2022-012AD	51649	Not Applicable	Not Applicable	SL0461
OWLID00423	2022-012AE	51650	Not Applicable	Not Applicable	SL0463
OWLID00424	2022-012AF	51651	Not Applicable	Not Applicable	SL0464
OWLID00425	2022-012AG	51652	Not Applicable	Not Applicable	SL0468
OWLID00426	2022-012AH	51653	Not Applicable	Not Applicable	SL0473
OWLID00427	2022-012AJ	51654	Not Applicable	Not Applicable	SL0474
OWLID00428	2022-012AK	51655	Not Applicable	Not Applicable	SL0475

OneWeb Launch 14 (OWLID00429-OWLID00464)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

22 October 2022

Location of launch

Satish Dhawan Space Centre

Designation

See Annex 13 for details

Catalogue Number

See Annex 13 for details

Nodal period

109.4

Inclination

87.8

Apogee

1185

Perigee

1177

Orbital position

Not applicable

General Function

Communications

Notified to the UN

8 November 2022

Disposed or decayed

See Annex 13 for details

Disposal Notified to the UN

See Annex 13 for details

Accepted onto UK Register of Space Objects

7 December 2022

Licence issued under the Outer Space Act 1986

25 February 2022

Additional information

Not applicable.

Annex 13

OneWeb Launch 14 – Satish Dhawan Space Centre, India, 22 October 2022

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00429	2022-138A	54113	Not Applicable	Not Applicable	SL0490
OWLID00430	2022-138B	54114	Not Applicable	Not Applicable	SL0492
OWLID00431	2022-138C	54115	Not Applicable	Not Applicable	SL0495
OWLID00432	2022-138D	54116	Not Applicable	Not Applicable	SL0497
OWLID00433	2022-138E	54117	Not Applicable	Not Applicable	SL0499
OWLID00434	2022-138F	54118	Not Applicable	Not Applicable	SL0500
OWLID00435	2022-138G	54119	Not Applicable	Not Applicable	SL0501
OWLID00436	2022-138H	54120	Not Applicable	Not Applicable	SL0502
OWLID00437	2022-138J	54121	Not Applicable	Not Applicable	SL0503
OWLID00438	2022-138K	54122	Not Applicable	Not Applicable	SL0504
OWLID00439	2022-138L	54123	Not Applicable	Not Applicable	SL0505
OWLID00440	2022-138M	54124	Not Applicable	Not Applicable	SL0506
OWLID00441	2022-138N	54125	Not Applicable	Not Applicable	SL0507
OWLID00442	2022-138P	54126	Not Applicable	Not Applicable	SL0508
OWLID00443	2022-138Q	54127	Not Applicable	Not Applicable	SL0509
OWLID00444	2022-138R	54128	Not Applicable	Not Applicable	SL0510
OWLID00445	2022-138S	54129	Not Applicable	Not Applicable	SL0511
OWLID00446	2022-138T	54130	Not Applicable	Not Applicable	SL0512
OWLID00447	2022-138U	54131	Not Applicable	Not Applicable	SL0513
OWLID00448	2022-138V	54132	Not Applicable	Not Applicable	SL0514
OWLID00449	2022-138W	54133	Not Applicable	Not Applicable	SL0515
OWLID00450	2022-138X	54134	Not Applicable	Not Applicable	SL0516
OWLID00451	2022-138Y	54135	Not Applicable	Not Applicable	SL0517

OWLID00452	2022-138Z	54136	Not Applicable	Not Applicable	SL0518
OWLID00453	2022-138AA	54137	Not Applicable	Not Applicable	SL0519
OWLID00454	2022-138AB	54138	Not Applicable	Not Applicable	SL0520
OWLID00455	2022-138AC	54139	Not Applicable	Not Applicable	SL0521
OWLID00456	2022-138AD	54140	Not Applicable	Not Applicable	SL0522
OWLID00457	2022-138AE	54141	Not Applicable	Not Applicable	SL0523
OWLID00458	2022-138AF	54142	Not Applicable	Not Applicable	SL0524
OWLID00459	2022-138AG	54143	Not Applicable	Not Applicable	SL0525
OWLID00460	2022-138AH	54144	Not Applicable	Not Applicable	SL0526
OWLID00461	2022-138AJ	54145	Not Applicable	Not Applicable	SL0529
OWLID00462	2022-138AK	54146	Not Applicable	Not Applicable	SL0531
OWLID00463	2022-138AL	54147	Not Applicable	Not Applicable	SL0535
OWLID00464	2022-138AM	54148	Not Applicable	Not Applicable	SL0536

OneWeb Launch 15 (OWLID00465-OWLID00504)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

8 December 2022

Location of launch

Cape Canaveral, USA

Designation

See Annex 14 for details

Catalogue Number

See Annex 14 for details

Nodal period

109.4

Inclination

87.9

Apogee

1177

Perigee

1173

Orbital position

Not applicable

General Function

Communications

Notified to the UN

Not applicable

Disposed or decayed

See Annex 14 for details

Disposal Notified to the UN

See Annex 14 for details

Accepted onto UK Register of Space Objects

5 January 2023

Licence issued under the Outer Space Act 1986

28 November 2022

Additional information

Not applicable.

Annex 14

OneWeb Launch 15 – Cape Canaveral, 08 December 2022

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00465	2022-166A	54642	Not Applicable	Not Applicable	SL0527
OWLID00466	2022-166B	54643	Not Applicable	Not Applicable	SL0528
OWLID00467	2022-166C	54644	Not Applicable	Not Applicable	SL0539
OWLID00468	2022-166D	54645	Not Applicable	Not Applicable	SL0540
OWLID00469	2022-166E	54646	Not Applicable	Not Applicable	SL0542
OWLID00470	2022-166F	54647	Not Applicable	Not Applicable	SL0545
OWLID00471	2022-166G	54648	Not Applicable	Not Applicable	SL0580
OWLID00472	2022-166H	54649	Not Applicable	Not Applicable	SL0582
OWLID00473	2022-166J	54650	Not Applicable	Not Applicable	SL0583
OWLID00474	2022-166K	54651	Not Applicable	Not Applicable	SL0584
OWLID00475	2022-166L	54652	Not Applicable	Not Applicable	SL0585
OWLID00476	2022-166M	54653	Not Applicable	Not Applicable	SL0586
OWLID00477	2022-166N	54654	Not Applicable	Not Applicable	SL0587
OWLID00478	2022-166P	54655	Not Applicable	Not Applicable	SL0589
OWLID00479	2022-166Q	54656	Not Applicable	Not Applicable	SL0590
OWLID00480	2022-166R	54657	Not Applicable	Not Applicable	SL0591
OWLID00481	2022-166S	54658	Not Applicable	Not Applicable	SL0592
OWLID00482	2022-166T	54659	Not Applicable	Not Applicable	SL0593
OWLID00483	2022-166U	54660	Not Applicable	Not Applicable	SL0594
OWLID00484	2022-166V	54661	Not Applicable	Not Applicable	SL0595
OWLID00485	2022-166W	54662	Not Applicable	Not Applicable	SL0596
OWLID00486	2022-166X	54663	Not Applicable	Not Applicable	SL0597
OWLID00487	2022-166Y	54664	Not Applicable	Not Applicable	SL0600
OWLID00488	2022-166Z	54665	Not Applicable	Not Applicable	SL0601

OWLID00489	2022-166AA	54666	Not Applicable	Not Applicable	SL0602
OWLID00490	2022-166AB	54667	Not Applicable	Not Applicable	SL0603
OWLID00491	2022-166AC	54668	Not Applicable	Not Applicable	SL0604
OWLID00492	2022-166AD	54669	Not Applicable	Not Applicable	SL0605
OWLID00493	2022-166AE	54670	Not Applicable	Not Applicable	SL0606
OWLID00494	2022-166AF	54671	Not Applicable	Not Applicable	SL0607
OWLID00495	2022-166AG	54672	Not Applicable	Not Applicable	SL0608
OWLID00496	2022-166AH	54673	Not Applicable	Not Applicable	SL0610
OWLID00497	2022-166AJ	54674	Not Applicable	Not Applicable	SL0611
OWLID00498	2022-166AK	54675	Not Applicable	Not Applicable	SL0612
OWLID00499	2022-166AL	54676	Not Applicable	Not Applicable	SL0615
OWLID00500	2022-166AM	54677	Not Applicable	Not Applicable	SL0655
OWLID00501	2022-166AN	54678	Not Applicable	Not Applicable	SL0659
OWLID00502	2022-166AP	54679	Not Applicable	Not Applicable	SL0685
OWLID00503	2022-166AQ	54680	Not Applicable	Not Applicable	SL0712
OWLID00504	2022-166AR	54681	Not Applicable	Not Applicable	SL0714

OneWeb Launch 16 (OWLID00505-OWLID00544)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works, Building London, W12 7FQ

Date of launch

10 January 2023

Location of launch

Cape Canaveral, USA

Designation

See Annex 15 for details

Catalogue Number

See Annex 15 for details

Nodal period

109.4

Inclination

87.9

Apogee

1217

Perigee

1185

Orbital position

Not applicable

General Function

Not applicable

Notified to the UN

Communications

Disposed or decayed

24 January 2023

Disposal Notified to the UN

See Annex 15 for details

Accepted onto UK Register of Space Objects

24 January 2023

Licence issued under the Outer Space Act 1986

22 December 2022

Additional information

Not applicable.

Annex 15

OneWeb Launch 16 – Cape Canaveral, 10 January 2023

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00505	2023-004A	55140	Not Applicable	Not Applicable	SL0532
OWLID00506	2023-004B	55141	Not Applicable	Not Applicable	SL0533
OWLID00507	2023-004C	55142	Not Applicable	Not Applicable	SL0541
OWLID00508	2023-004D	55143	Not Applicable	Not Applicable	SL0543
OWLID00509	2023-004E	55144	Not Applicable	Not Applicable	SL0544
OWLID00510	2023-004F	55145	Not Applicable	Not Applicable	SL0560
OWLID00511	2023-004G	55146	Not Applicable	Not Applicable	SL0565
OWLID00512	2023-004H	55147	Not Applicable	Not Applicable	SL0567
OWLID00513	2023-004J	55148	Not Applicable	Not Applicable	SL0569
OWLID00514	2023-004K	55149	Not Applicable	Not Applicable	SL0570
OWLID00515	2023-004L	55150	Not Applicable	Not Applicable	SL0571
OWLID00516	2023-004M	55151	Not Applicable	Not Applicable	SL0572
OWLID00517	2023-004N	55152	Not Applicable	Not Applicable	SL0573
OWLID00518	2023-004P	55153	Not Applicable	Not Applicable	SL0588
OWLID00519	2023-004Q	55154	Not Applicable	Not Applicable	SL0598
OWLID00520	2023-004R	55155	Not Applicable	Not Applicable	SL0599
OWLID00521	2023-004S	55156	Not Applicable	Not Applicable	SL0614
OWLID00522	2023-004T	55157	Not Applicable	Not Applicable	SL0616
OWLID00523	2023-004U	55158	Not Applicable	Not Applicable	SL0617
OWLID00524	2023-004V	55159	Not Applicable	Not Applicable	SL0618
OWLID00525	2023-004W	55160	Not Applicable	Not Applicable	SL0619
OWLID00526	2023-004X	55161	Not Applicable	Not Applicable	SL0620
OWLID00527	2023-004Y	55162	Not Applicable	Not Applicable	SL0621

OWLID00528	2023-004Z	55163	Not Applicable	Not Applicable	SL0622
OWLID00529	2023-004AA	55164	Not Applicable	Not Applicable	SL0623
OWLID00530	2023-004AB	55165	Not Applicable	Not Applicable	SL0624
OWLID00531	2023-004AC	55166	Not Applicable	Not Applicable	SL0625
OWLID00532	2023-004AD	55167	Not Applicable	Not Applicable	SL0626
OWLID00533	2023-004AE	55168	Not Applicable	Not Applicable	SL0627
OWLID00534	2023-004AF	55169	Not Applicable	Not Applicable	SL0628
OWLID00535	2023-004AG	55170	Not Applicable	Not Applicable	SL0629
OWLID00536	2023-004AH	55171	Not Applicable	Not Applicable	SL0631
OWLID00537	2023-004AJ	55172	Not Applicable	Not Applicable	SL0709
OWLID00538	2023-004AK	55173	Not Applicable	Not Applicable	SL0710
OWLID00539	2023-004AL	55174	Not Applicable	Not Applicable	SL0711
OWLID00540	2023-004AM	55175	Not Applicable	Not Applicable	SL0713
OWLID00541	2023-004AN	55176	Not Applicable	Not Applicable	SL0715
OWLID00542	2023-004AP	55177	Not Applicable	Not Applicable	SL0716
OWLID00543	2023-004AQ	55178	Not Applicable	Not Applicable	SL0717
OWLID00544	2023-004AR	55179	Not Applicable	Not Applicable	SL0719

MP01

Owner/Operator

O3b Limited, 44 Esplanade, St Helier, Jersey, JE4 9WG

Date of launch

16 December 2022

Location of launch

Cape Canaveral, USA

Designation

2022-174A

Catalogue Number

54755

Nodal period

288

Inclination

0.1

Apogee

8073

Perigee

8057

Orbital position

Not applicable

General Function

Communications

Notified to the UN

5 January 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

5 January 2023

Licence issued under the Outer Space Act 1986

9 December 2022

Additional information

Also known as SES mPOWER-A F1. Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

MP02

Owner/Operator

O3b Limited, 44 Esplanade, St Helier, Jersey, JE4 9WG

Date of launch

16 December 2022

Location of launch

Cape Canaveral, USA

Designation

2022-174B

Catalogue Number

54756

Nodal period

288

Inclination

0.1

Apogee

8073

Perigee

8057

Orbital position

Not applicable

General Function

Communications

Notified to the UN

5 January 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

5 January 2023

Licence issued under the Outer Space Act 1986

9 December 2022

Additional information

Also known as SES mPOWER-A F2. Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

NSL-2

Owner/Operator

Clyde Space Ltd, Skypark 5, 45 Finnieston Street Glasgow, G3 8JU

Date of launch

3 January 2023

Location of launch

Cape Canaveral, USA

Designation

2023-001BL

Catalogue Number

55067

Nodal period

95.09

Inclination

97.51

Apogee

534

Perigee

512

Orbital position

Not applicable

General Function

Communications

Notified to the UN

9 February 2023

Disposed or decayed

11 July 2024

Disposal Notified to the UN

30 July 2024

Accepted onto UK Register of Space Objects

9 February 2023

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

4 October 2022

Additional information

Not applicable.

AAC-AIS-SAT1

Owner/Operator

Clyde Space Ltd, Skypark 5, 45 Finnieston Street, Glasgow, G3 8JU

Date of launch

3 January 2023

Location of launch

Cape Canaveral, USA

Designation

2023-001DC

Catalogue Number

55107

Nodal period

97.64

Inclination

98.06

Apogee

654

Perigee

637

Orbital position

Not applicable

General Function

Technology Demo

Notified to the UN

21 March 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

21 March 2023

Licence issued under the Outer Space Act 1986

14 February 2022

Additional information

Not applicable.

Inmarsat-6 F2

Owner/Operator

Inmarsat Global Ltd, 99 City Road, London, EC1Y 1AX

Date of launch

18 February 2023

Location of launch

Cape Canaveral, USA

Designation

2023-022A

Catalogue Number

55683

Nodal period

1436

Inclination

0.05

Apogee

35786

Perigee

35786

Orbital position

28W

General Function

Communications

Notified to the UN

27 February 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

27 February 2023

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

13 February 2023

Additional information

Not applicable.

OneWeb Launch 17 (OWLID00545-OWLID00584)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

9 March 2023

Location of launch

Cape Canaveral, USA

Designation

See Annex 16 for details

Catalogue Number

See Annex 16 for details

Nodal period

109.4

Inclination

87.9

Apogee

1205

Perigee

1177

Orbital position

Not applicable

General Function

Communications

Notified to the UN

6 April 2023

Disposed or decayed

See Annex 16 for details

Disposal Notified to the UN

See Annex 16 for details

Accepted onto UK Register of Space Objects

6 April 2023

Licence issued under the Outer Space Act 1986

23 February 2023

Additional information

Not applicable

Annex 16

OneWeb Launch 17 – Cape Canaveral, 09 March 2023

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00545	2023-029A	55796	Not Applicable	Not Applicable	SL0530
OWLID00546	2023-029B	55797	Not Applicable	Not Applicable	SL0534
OWLID00547	2023-029C	55798	Not Applicable	Not Applicable	SL0556
OWLID00548	2023-029D	55799	Not Applicable	Not Applicable	SL0562
OWLID00549	2023-029E	55800	Not Applicable	Not Applicable	SL0563
OWLID00550	2023-029F	55801	Not Applicable	Not Applicable	SL0564
OWLID00551	2023-029G	55802	Not Applicable	Not Applicable	SL0638
OWLID00552	2023-029H	55803	Not Applicable	Not Applicable	SL0639
OWLID00553	2023-029J	55804	Not Applicable	Not Applicable	SL0640
OWLID00554	2023-029K	55805	Not Applicable	Not Applicable	SL0641
OWLID00555	2023-029L	55806	Not Applicable	Not Applicable	SL0642
OWLID00556	2023-029M	55807	Not Applicable	Not Applicable	SL0643
OWLID00557	2023-029N	55808	Not Applicable	Not Applicable	SL0644
OWLID00558	2023-029P	55809	Not Applicable	Not Applicable	SL0645
OWLID00559	2023-029Q	55810	Not Applicable	Not Applicable	SL0646
OWLID00560	2023-029R	55811	Not Applicable	Not Applicable	SL0648
OWLID00561	2023-029S	55812	Not Applicable	Not Applicable	SL0649
OWLID00562	2023-029T	55813	Not Applicable	Not Applicable	SL0650
OWLID00563	2023-029U	55814	Not Applicable	Not Applicable	SL0652
OWLID00564	2023-029V	55815	Not Applicable	Not Applicable	SL0653
OWLID00565	2023-029W	55816	Not Applicable	Not Applicable	SL0654
OWLID00566	2023-029X	55817	Not Applicable	Not Applicable	SL0656
OWLID00567	2023-029Y	55818	Not Applicable	Not Applicable	SL0657

OWLID00568	2023-029Z	55819	Not Applicable	Not Applicable	SL0658
OWLID00569	2023-029AA	55820	Not Applicable	Not Applicable	SL0660
OWLID00570	2023-029AB	55821	Not Applicable	Not Applicable	SL0661
OWLID00571	2023-029AC	55822	Not Applicable	Not Applicable	SL0662
OWLID00572	2023-029AD	55823	Not Applicable	Not Applicable	SL0663
OWLID00573	2023-029AE	55824	Not Applicable	Not Applicable	SL0664
OWLID00574	2023-029AF	55825	Not Applicable	Not Applicable	SL0665
OWLID00575	2023-029AG	55826	Not Applicable	Not Applicable	SL0666
OWLID00576	2023-029AH	55827	Not Applicable	Not Applicable	SL0667
OWLID00577	2023-029AJ	55828	Not Applicable	Not Applicable	SL0669
OWLID00578	2023-029AK	55829	Not Applicable	Not Applicable	SL0670
OWLID00579	2023-029AL	55830	Not Applicable	Not Applicable	SL0671
OWLID00580	2023-029AM	55831	Not Applicable	Not Applicable	SL0672
OWLID00581	2023-029AN	55832	Not Applicable	Not Applicable	SL0673
OWLID00582	2023-029AP	55833	Not Applicable	Not Applicable	SL0674
OWLID00583	2023-029AQ	55834	Not Applicable	Not Applicable	SL0675
OWLID00584	2023-029AR	55835	Not Applicable	Not Applicable	SL0720

OneWeb Launch 18 (OWLID00585-OWLID00620)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

26 March 2023

Location of launch

Satish Dhawan Space Centre

Designation

See Annex 17 for details

Catalogue Number

See Annex 17 for details

Nodal period

109.4

Inclination

87.9

Apogee

1201

Perigee

1173

Orbital position

Not applicable

General Function

Communications

Notified to the UN

17 April 2023

Disposed or decayed

See Annex 17 for details

Disposal Notified to the UN

See Annex 17 for details

Accepted onto UK Register of Space Objects

17 April 2023

Licence issued under the Outer Space Act 1986

14 March 2023

Additional information

Not applicable.

Annex 17

OneWeb Launch 18 – Satish Dhawan Space Centre, India, 26 March 2023

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00585	2023-043A	56046	Not Applicable	Not Applicable	SL0537
OWLID00586	2023-043B	56047	Not Applicable	Not Applicable	SL0538
OWLID00587	2023-043C	56048	Not Applicable	Not Applicable	SL0546
OWLID00588	2023-043D	56049	Not Applicable	Not Applicable	SL0547
OWLID00589	2023-043E	56050	Not Applicable	Not Applicable	SL0548
OWLID00590	2023-043F	56051	Not Applicable	Not Applicable	SL0549
OWLID00591	2023-043G	56052	Not Applicable	Not Applicable	SL0550
OWLID00592	2023-043H	56053	Not Applicable	Not Applicable	SL0551
OWLID00593	2023-043J	56054	Not Applicable	Not Applicable	SL0552
OWLID00594	2023-043K	56055	Not Applicable	Not Applicable	SL0553
OWLID00595	2023-043L	56056	Not Applicable	Not Applicable	SL0554
OWLID00596	2023-043M	56057	Not Applicable	Not Applicable	SL0555
OWLID00597	2023-043N	56058	Not Applicable	Not Applicable	SL0557
OWLID00598	2023-043P	56059	Not Applicable	Not Applicable	SL0558
OWLID00599	2023-043Q	56060	Not Applicable	Not Applicable	SL0559
OWLID00600	2023-043R	56061	Not Applicable	Not Applicable	SL0566
OWLID00601	2023-043S	56062	Not Applicable	Not Applicable	SL0568
OWLID00602	2023-043T	56063	Not Applicable	Not Applicable	SL0574
OWLID00603	2023-043U	56064	Not Applicable	Not Applicable	SL0575
OWLID00604	2023-043V	56065	Not Applicable	Not Applicable	SL0576
OWLID00605	2023-043W	56066	Not Applicable	Not Applicable	SL0577
OWLID00606	2023-043X	56067	Not Applicable	Not Applicable	SL0578

OWLID00607	2023-043Y	56068	Not Applicable	Not Applicable	SL0579
OWLID00608	2023-043Z	56069	Not Applicable	Not Applicable	SL0581
OWLID00609	2023-043AA	56070	Not Applicable	Not Applicable	SL0609
OWLID00610	2023-043AB	56071	Not Applicable	Not Applicable	SL0613
OWLID00611	2023-043AC	56072	Not Applicable	Not Applicable	SL0630
OWLID00612	2023-043AD	56073	Not Applicable	Not Applicable	SL0632
OWLID00613	2023-043AE	56074	Not Applicable	Not Applicable	SL0633
OWLID00614	2023-043AF	56075	Not Applicable	Not Applicable	SL0634
OWLID00615	2023-043AG	56076	Not Applicable	Not Applicable	SL0635
OWLID00616	2023-043AH	56077	Not Applicable	Not Applicable	SL0636
OWLID00617	2023-043AJ	56078	Not Applicable	Not Applicable	SL0637
OWLID00618	2023-043AK	56079	Not Applicable	Not Applicable	SL0647
OWLID00619	2023-043AL	56080	Not Applicable	Not Applicable	SL0651
OWLID00620	2023-043AM	56081	Not Applicable	Not Applicable	SL0718

MP03

Owner/Operator

O3b Limited, 44 Esplanade, St Helier, Jersey, JE4 9WG

Date of launch

28 April 2023

Location of launch

Cape Canaveral, USA

Designation

2023-059B

Catalogue Number

56368

Nodal period

288

Inclination

0.1

Apogee

8073

Perigee

8057

Orbital position

Not applicable

General Function

Communications

Notified to the UN

23 June 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

23 June 2023

Licence issued under the Outer Space Act 1986

6 February 2023

Additional information

Also known as O3b mPOWER F3. Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

MP04

Owner/Operator

O3b Limited, 44 Esplanade, St Helier, Jersey, JE4 9WG

Date of launch

28 April 2023

Location of launch

Cape Canaveral, USA

Designation

2023-059A

Catalogue Number

56367

Nodal period

288

Inclination

0.1

Apogee

8073

Perigee

8057

Orbital position

Not applicable

General Function

Communications

Notified to the UN

23 June 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

23 June 2023

Licence issued under the Outer Space Act 1986

6 February 2022

Additional information

Also known as O3b mPOWER F4. Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

OneWeb Launch 19 (OWLID00621-OWLID00635 & JoeySat)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

20 May 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

See Annex 18 for details

Catalogue Number

See Annex 18 for details

Nodal period

109.4

Inclination

87.9

Apogee

1201

Perigee

1173

Orbital position

Not applicable

General Function

Communications

Notified to the UN

5 June 2023

Disposed or decayed

See Annex 18 for details

Disposal Notified to the UN

See Annex 18 for details

Accepted onto UK Register of Space Objects

5 June 2023

Licence issued under the Outer Space Act 1986

2 May 2023

Additional information

See Annex 18 for details of each individual satellite in this launch. JoeySat licence issued under the Outer Space Act 1986 and Space Industry Act 2018 on 05 May 2023.

Annex 18

OneWeb Launch 19 – Vandenburg, 20 May 2023

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00621	2023-068A	56710	Not applicable	Not applicable	SL0561
OWLID00622	2023-068B	56711	Not applicable	Not applicable	SL0668
OWLID00623	2023-068C	56712	Not applicable	Not applicable	SL0676
OWLID00624	2023-068D	56713	Not applicable	Not applicable	SL0677
OWLID00625	2023-068E	56714	Not applicable	Not applicable	*SL0678*
OWLID00626	2023-068F	56715	Not applicable	Not applicable	SL0679
OWLID00627	2023-068G	56716	Not applicable	Not applicable	SL0680
OWLID00628	2023-068H	56717	Not applicable	Not applicable	SL0681
OWLID00629	2023-068J	56718	Not applicable	Not applicable	SL0682
OWLID00630	2023-068K	56719	Not applicable	Not applicable	SL0683
OWLID00631	2023-068L	56720	Not applicable	Not applicable	SL0684
OWLID00632	2023-068M	56721	Not applicable	Not applicable	SL0686
OWLID00633	2023-068N	56722	Not applicable	Not applicable	SL0694
OWLID00634	2023-068P	56723	Not applicable	Not applicable	SL0696
OWLID00635	2023-068Q	56724	Not applicable	Not applicable	SL0703
JoeySat	2023-068R	56725	Not applicable	Not applicable	SL0721

AAC-HSI-SAT1

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, G3 8JU

Date of launch

15 April 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

2023-054AZ

Catalogue Number

56225

Nodal period

95.82

Inclination

97.51

Apogee

572

Perigee

557

Orbital position

Not applicable

General Function

Earth Observations

Notified to the UN

21 July 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

21 March 2023

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

1 March 2023

Additional information

Not applicable.

AAC-AIS-SAT-2

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, G3 8JU

Date of launch

12 June 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

2023-084BY

Catalogue Number

56996

Nodal period

97.6

Inclination

98

Apogee

696

Perigee

595

Orbital position

Not applicable

General Function

Technology Demo

Notified to the UN

25 August 2023

Disposed or decayed

Not applicant

Disposal Notified to the UN

Not applicant

Accepted onto UK Register of Space Objects

29 August 2023

Licence issued under the Outer Space Act 1986

3 May 2023

Additional information

Not applicant.

AAC-HSI-SAT2

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, G3 8JU

Date of launch

12 June 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

2023-084BX

Catalogue Number

56995

Nodal period

95.78

Inclination

97.71

Apogee

569

Perigee

544

Orbital position

Not applicable

General Function

Earth Observation

Notified to the UN

1 August 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

29 August 2023

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

21 April 2023

Additional information

Not applicable.

MWIR PathFinder

Owner/Operator

Global SatVu Ltd, 1 New Fetter Lane, London, EC4A 1AN, England

Date of launch

12 June 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

2023-084Y

Catalogue Number

56954

Nodal period

95.17

Inclination

97.51

Apogee

536

Perigee

517

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

11 October 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

29 August 2023

Licence issued under the Space Industry Act 2018

11 May 2023

Additional information

Not applicable

MANTIS

Owner/Operator

Open Cosmos Ltd, Electron Building, Fermi Avenue, Harwell, OX11 0QR

Date of launch

11 November 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

2023-174B

Catalogue Number

58257

Nodal period

95.09

Inclination

97.48

Apogee

532

Perigee

514

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

16 February 2024

Disposed or decayed

15 October 2025

Disposal Notified to the UN

16 March 2026

Accepted onto UK Register of Space Objects

24 November 2023

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

31 August 2023

Additional Information

Not applicable

AAC-HSI-SAT3

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, G3 8JU

Date of launch

11 November 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

2023-174DH

Catalogue Number

58848

Nodal period

95.59

Inclination

97.45

Apogee

557

Perigee

538

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

22 February 2024

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

24 November 2023

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

1 September 2023

Additional Information

Satellite is also known as Wyvern 3.

AAC-AIS-SAT3

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, G3 8JU

Date of launch

11 November 2023

Location of launch

Vandenberg Space Force Base, USA

Designation

2023-174DJ

Catalogue Number

58997

Nodal period

97.72

Inclination

97.73

Apogee

655

Perigee

644

Orbital position

Not available

General Function

Earth Observation – space-based VDES maritime navigation and communications service

Notified to the UN

14 March 2024

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

24 November 2023

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

1 September 2023

Additional Information

Satellite also known as NJORD-1 and YMIR.

MP05

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

12 November 2023

Location of launch

Cape Canaveral, USA

Designation

2023-175A

Catalogue Number

58346

Nodal period

288

Inclination

0.1

Apogee

8073

Perigee

8057

Orbital position

Not available

General Function

Communications

Notified to the UN

1 December 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

24 November 2023

Licence issued under the Outer Space Act 1986

22 May 2023

Additional Information

Satellite also known as mPOWER-A F5. Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

MP06

Owner/Operator

O3b Limited, 3rd Floor, Anley House, Anley Street, St Helier, Jersey, JE2 3QE

Date of launch

12 November 2023

Location of launch

Cape Canaveral, USA

Designation

2023-175B

Catalogue Number

58347

Nodal period

288

Inclination

0.1

Apogee

8073

Perigee

8057

Orbital position

Not available

General Function

Communications

Notified to the UN

1 December 2023

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

24 November 2023

Licence issued under the Outer Space Act 1986

22 May 2023

Additional Information

Satellite also known as mPOWER-A F6. Ownership transferred in April 2025 to Astra (GB) limited, New Derwent House, 69-73 Theobalds Road, London, England, WC1X 8TA.

TYCHE

Owner/Operator

SSTL

Date of launch

16 August 2024

Location of launch

Vandenberg Space Force Base, USA

Designation

2024-149AE

Catalogue Number

60496

Nodal period

94.85

Inclination

97.44

Apogee

515

Perigee

507

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

2 October 2024

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

25 September 2024

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

30 April 2024

Additional Information

Not applicable.

PHISAT-2

Owner/Operator

Open Cosmos

Date of launch

16 August 2024

Location of launch

Vandenberg Space Force Base, USA

Designation

2024-149C

Catalogue Number

60470

Nodal period

94.87

Inclination

97.44

Apogee

513

Perigee

512

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

8 October 2024

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

25 September 2024

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

17 April 2024

Additional Information

Not applicable.

OneWeb Launch 20 (OWLID00636-OWLID00655)

Owner/Operator

Network Access Associates Limited, 195 Wood Lane, West Works Building, London, W12 7FQ

Date of launch

19 October 2024

Location of launch

Vandenberg Space Force Base, USA

Designation

See Annex 19 for details

Catalogue Number

See Annex 19 for details

Nodal period

96.88

Inclination

86.55

Apogee

613

Perigee

606

Orbital position

Not applicable

General Function

Communications

Notified to the UN

19 November 2024

Disposed or decayed

See Annex 19 for details

Disposal Notified to the UN

See Annex 19 for details

Accepted onto UK Register of Space Objects

4 November 2024

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

25 September 2024

Additional information

See Annex 19 for details of each individual satellite in this launch.

Annex 19

OneWeb Launch 20 – Vandenburg, 19 October 2024

Name	Designation	Catalogue number	Disposed or decayed	Disposal notified to the UN	Additional information (Other names)
OWLID00636	2024-188B	61595	Not applicable	Not applicable	SL0687
OWLID00637	2024-188C	61596	Not applicable	Not applicable	SL0688
OWLID00638	2024-188D	61597	Not applicable	Not applicable	SL0689
OWLID00639	2024-188E	61598	Not applicable	Not applicable	SL0690
OWLID00640	2024-188F	61599	Not applicable	Not applicable	SL0691
OWLID00641	2024-188G	61600	Not applicable	Not applicable	SL0692
OWLID00642	2024-188H	61601	Not applicable	Not applicable	SL0693
OWLID00643	2024-188J	61602	Not applicable	Not applicable	SL0695
OWLID00644	2024-188K	61603	Not applicable	Not applicable	SL0697
OWLID00645	2024-188L	61604	Not applicable	Not applicable	SL0698
OWLID00646	2024-188M	61605	Not applicable	Not applicable	SL0699
OWLID00647	2024-188N	61606	Not applicable	Not applicable	SL0700
OWLID00648	2024-188P	61607	Not applicable	Not applicable	SL0701
OWLID00649	2024-188Q	61608	Not applicable	Not applicable	SL0702
OWLID00650	2024-188R	61609	Not applicable	Not applicable	SL0704
OWLID00651	2024-188S	61610	Not applicable	Not applicable	SL0705
OWLID00652	2024-188T	61611	Not applicable	Not applicable	SL0706
OWLID00653	2024-188U	61612	Not applicable	Not applicable	SL0707
OWLID00654	2024-188V	61613	Not applicable	Not applicable	SL0708
OWLID00655	2024-188A	61594	Not applicable	Not applicable	SL0015

MP07

Owner/Operator

Astra (GB) Limited, New Derwent House, 69-73 Theobalds Road, London, United Kingdom, WC1X 8TA

Date of launch

17 December 2024

Location of launch

Cape Canaveral, USA

Designation

2024-244A

Catalogue Number

62362

Nodal period

197.23

Inclination

8.85

Apogee

7008

Perigee

2683

Orbital position

Not available

General Function

Connectivity

Notified to the UN

27 February 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 January 2024

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

14 November 2024

Additional information

Not applicable

MP08

Owner/Operator

Astra (GB) Limited, New Derwent House, 69-73 Theobalds Road, London, United Kingdom, WC1X 8TA

Date of launch

17 December 2024

Location of launch

Cape Canaveral, USA

Designation

2024-244B

Catalogue Number

62363

Nodal period

197.19

Inclination

8.86

Apogee

7008

Perigee

2681

Orbital position

Not available

General Function

Connectivity

Notified to the UN

27 February 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 January 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

14 November 2024

Additional information

Not applicable

Astranis UtilitySat

Owner/Operator

Astranis UK Limited, 3rd floor, One Ashley Road, Altrincham, WA14 2DT

Date of launch

29 December 2024

Location of launch

Cape Canaveral, USA

Designation

2024-252A

Catalogue Number

62454

Nodal period

1284.48

Inclination

11.89

Apogee

64716

Perigee

812

Orbital position

121.1W

General Function

Communications

Notified to the UN

16 June 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 January 2025

Licence issued under the Space Industry Act 2018

7 August 2024

Additional information

Not applicable

AGILA

Owner/Operator

Astranis UK Limited, 3rd floor, One Ashley Road, Altrincham, WA14 2DT

Date of launch

29 December 2024

Location of launch

Cape Canaveral, USA

Designation

2024-252C

Catalogue Number

62456

Nodal period

1276.58

Inclination

11.89

Apogee

64278

Perigee

928

Orbital position

152.1E

General Function

Communications

Notified to the UN

16 June 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 January 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

7 August 2024

Additional information

Also known as ANDESAT-1.

NuView Alpha

Owner/Operator

Astranis UK Limited, 3rd floor, One Ashley Road, Altrincham, WA14 2DT

Date of launch

29 December 2024

Location of launch

Cape Canaveral, USA

Designation

2024-252B

Catalogue Number

62455

Nodal period

1270.30

Inclination

12.38

Apogee

64618

Perigee

333

Orbital position

83.1W

General Function

Communications

Notified to the UN

16 June 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 January 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

7 August 2024

Additional information

Also known as AstranisAero West.

NuView Bravo

Owner/Operator

Astranis UK Limited, 3rd floor, One Ashley Road, Altrincham, WA14 2DT

Date of launch

29 December 2024

Location of launch

Cape Canaveral, USA

Designation

2024-252D

Catalogue Number

62457

Nodal period

1273.45

Inclination

12.25

Apogee

64552

Perigee

528

Orbital position

83.1W

General Function

Communications

Notified to the UN

16 June 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 January 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

7 August 2024

Additional information

Also known as AstranisAero East.

Elevation-1

Owner/Operator

Almagest IOM Limited, 1st Floor, 11-13 Hill Street, Douglas, Isle of Man, IM1 1EF

Date of launch

14 January 2025

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-009BW

Catalogue Number

62677

Nodal period

94.76

Inclination

97.43

Apogee

511

Perigee

502

Orbital position

Not available

General Function

Communications

Notified to the UN

20 March 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 January 2025

Licence issued under the Outer Space Act 1986

8 November 2024

Additional information

Not applicable

ForgeStar-1A

Owner/Operator

Space Forge Ltd, Unit 10, Eastgate Business Park, Wentloog Avenue, Cardiff, Wales, CF3 2EY

Date of launch

23 June 2025

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-135U

Catalogue Number

64546

Nodal period

94.85

Inclination

97.45

Apogee

512

Perigee

510

Orbital position

Not applicable

General Function

Technology Demo

Notified to the UN

20 August 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

28 May 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

7 March 2025

Additional information

Not applicable

MP09

Owner/Operator

Astra (GB) Limited, New Derwent House, 69-73 Theobalds Road, London, United Kingdom, WC1X 8TA

Date of launch

22 July 2025

Location of launch

Cape Canaveral, USA

Designation

2025-153A

Catalogue Number

64866

Nodal period

288

Inclination

≤0.1

Apogee

8073

Perigee

8057

Orbital position

Not available

General Function

Connectivity

Notified to the UN

7 October 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

7 October 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

19 June 2025

Additional information

Not applicable

MP10

Owner/Operator

Astra (GB) Limited, New Derwent House, 69-73 Theobalds Road, London, United Kingdom, WC1X 8TA

Date of launch

22 July 2025

Location of launch

Cape Canaveral, USA

Designation

2025-153B

Catalogue Number

64867

Nodal period

288

Inclination

≤0.1

Apogee

8073

Perigee

8057

Orbital position

Not available

General Function

Connectivity

Notified to the UN

7 October 2025

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

7 October 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

19 June 2025

Additional information

Not applicable

AC1-001

Owner/Operator

In Space Missions Ltd, 8 Oriel Court, Omega Park, Alton, GU34 2YT

Date of launch

28 November 25

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-276CG

Catalogue Number

66744

Nodal period

94.9

Inclination

97.4

Apogee

523.1

Perigee

517.9

Orbital position

Not available

General Function

Data Collection

Notified to the UN

21 January 2026

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

1 August 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

1 August 2025

Additional information

Not applicable

AC1-002

Owner/Operator

In Space Missions Ltd, 8 Oriel Court, Omega Park, Alton, GU34 2YT

Date of launch

28 November 2025

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-276CH

Catalogue Number

66745

Nodal period

94.9

Inclination

97.4

Apogee

522.6

Perigee

518

Orbital position

Not available

General Function

Data Collection

Notified to the UN

21 January 2026

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

1 August 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

1 August 2025

Additional information

Not applicable

AC1-003

Owner/Operator

In Space Missions Ltd, 8 Oriel Court, Omega Park, Alton, GU34 2YT

Date of launch

28 November 2025

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-276Z

Catalogue Number

66689

Nodal period

94.9

Inclination

97.4

Apogee

523.3

Perigee

518.4

Orbital position

Not available

General Function

Data Collection

Notified to the UN

21 January 2026

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

1 August 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

1 August 2025

Additional information

Not applicable

HydroGNSS-1

Owner/Operator

Surrey Satellite Technology Limited, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

28 November 2025

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-276DA

Catalogue Number

66762

Nodal period

95.26

Inclination

97.42

Apogee

538

Perigee

525

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

Not applicable

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

28 November 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

19 August 2025

Additional information

Not applicable

HydroGNSS-2

Owner/Operator

Surrey Satellite Technology Ltd, Senate House, University of Surrey, Guildford, Surrey, GU25XH

Date of launch

28 November 2025

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-276DB

Catalogue Number

66763

Nodal period

95.26

Inclination

97.42

Apogee

538

Perigee

524

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

Not applicable

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

28 November 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

19 August 2025

Additional information

Not applicable

Vireon-1

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, United Kingdom, G3 8JU

Date of launch

30 March 2026

Location of launch

Vandenberg Space Force Base, USA

Designation

2026-067U

Catalogue Number

68434

Nodal period

94.81

Inclination

97.46

Apogee

510

Perigee

508

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

Not available

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

9 September 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

8 September 2025

Additional information

Not applicable

Vireon-2

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, United Kingdom, G3 8JU

Date of launch

30 March 2026

Location of launch

Vandenberg Space Force Base, USA

Designation

2026-067F

Catalogue Number

68421

Nodal period

94.8

Inclination

97.45

Apogee

511

Perigee

507

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

Not available

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

9 September 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

8 September 2025

Additional information

Not applicable

Accenture-1

Owner/Operator

Open Cosmos Ltd, Electron Building Fermi Avenue, Harwell Oxford, Didcot England, OX11 0QR

Date of launch

28 November 2025

Location of launch

Vandenberg Space Force Base, USA

Designation

2025-276DF

Catalogue Number

66767

Nodal period

94.99

Inclination

97.55

Apogee

534.5

Perigee

524.7

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

17 March 2026

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

11 September 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

11 September 2025

Additional information

Not applicable

CarbSAR IOD

Owner/Operator

Surrey Satellite Technology Limited, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

11 January 2026

Location of launch

Vandenberg Space Force Base, USA

Designation

2026-004AL

Catalogue Number

67397

Nodal period

94.74

Inclination

97.46

Apogee

509

Perigee

503

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

Not available

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

22 September 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

22 September 2025

Additional information

Not applicable

HotSat-2

Owner/Operator

Surrey Satellite Technology Limited, Tycho House, 20 Stephenson Road, Surrey Research Park, Guildford, Surrey, GU2 7YE

Date of launch

30 March 2026

Location of launch

Vandenberg Space Force Base, USA

Designation

2026-067BB

Catalogue Number

68465

Nodal period

94.88

Inclination

97.45

Apogee

515

Perigee

511

Orbital position

Not available

General Function

Earth Observation

Notified to the UN

Not available

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

7 November 2025

Licence issued under the Space Industry Act 2018

7 November 2025

Additional information

Procurement of launch licence issued under the Outer Space Act 1986 to Global Satellite Vu Ltd for HotSat-2

Io-1

Owner/Operator

Clyde Space Limited, Skypark 5, 45 Finnieston Street, Glasgow, United Kingdom, G3 8JU

Date of launch

30 March 2026

Location of launch

Vandenberg Space Force Base, USA

Designation

2026-067CL

Catalogue Number

68498

Nodal period

96.53

Inclination

97.76

Apogee

594

Perigee

591

Orbital position

Not available

General Function

Scientific Data

Notified to the UN

Not available

Disposed or decayed

Not applicable

Disposal Notified to the UN

Not applicable

Accepted onto UK Register of Space Objects

11 December 2025

Licence issued under the Outer Space Act 1986 and Space Industry Act 2018

11 December 2025

Additional information

Not applicable

Decayed UK objects not in register

Name	Cat. No.	COSPAR No.	Launched	Decayed
SKYNET 2A	07096	1974-002A	19 Jan 1974	25 Jan 1974
ARIEL 4 (UK-4)	05675	1971-109A	11 Dec 1971	12 Dec 1971
BLACK ARROW DEB	05582	1971-093C	29 Oct 1971	16 Dec 1979
SKYNET 1B	04493	1970-062A	19 Aug 1970	Not applicable
ARIEL 3 (UK-3)	02773	1967-042A	5 May 1967	14 Dec 1970
ARIEL 2 (UK-2)	00771	1964-015A	27 Mar 1964	18 Nov 1967
ARIEL 1 (UK-1)	00285	1962-015A	26 Apr 1962	24 May 1976
Ariel 4 (UK-4)	Not applicable	Not applicable	Not applicable	12 Dec 1978

Section Two: Register of UK launches

Introduction

In accordance with section 61 of the Space Industry Act 2018, a register of launches that have taken place from spaceports in the United Kingdom must be maintained.

The register includes launches of craft or objects intended to go beyond the stratosphere, and balloons carrying crew or passengers to the stratosphere.

Launches are assigned a unique reference consisting of the year of launch and the launch's sequential number within that year. For example, launch 2023-001 is the first launch in 2023.

Glossary of Terms

Launch vehicle

The name of the launch vehicle and where appropriate the carrier aircraft.

Nature of launch

Whether the launch was vertical (from the ground) or horizontal (from a carrier aircraft).

Space objects carried

The names of the objects carried by the launch vehicle. Where an object successfully reaches orbit, further details are included in Section 1, Register of Space Objects.

Licence

The spaceflight operator licence reference and date of grant. Spaceflight operator licences are generally published by the UK Civil Aviation Authority within six weeks of being granted.

Launch 2023-001

Operator

Virgin Orbit LLC, 4022 East Conant Street, Long Beach, CA 90808

Date of launch

9 January 2023

Location of launch

Spaceport Cornwall

Launch vehicle

LauncherOne and Cosmic Girl (B744)

Nature of launch

Horizontal launch from carrier aircraft

Space objects carried

ForgeStar-0, Prometheus-2A, Prometheus-2B, IOD-3 AMBER, AMAN, Stork-6, CIRCE SV1, CIRCE SV2 and DOVER.

Licence granted under the Space Industry Act 2018

SR-APP-001002 20 December 2022

Additional information

Rocket failure at second stage and the satellites were lost.