



General Assembly

Distr.: General
7 November 2013
English
Original: French

Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond

Note verbale dated 3 October 2013 from the Permanent Mission of Luxembourg to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Luxembourg to the United Nations (Vienna) has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning objects launched into Earth orbit or beyond by Luxembourg (see annex).



Annex

List of Luxembourg space objects*

1. Committee on Space Research 1988-109B
international designator:
Name of space object: ASTRA 1A
Launch date: 11 December 1988
Launch site: Kourou, French Guiana
Launcher: Ariane
Decommission date: 10 December 2004
Owner of object: Société Européenne des Satellites (SES ASTRA)
Orbital characteristics: The satellite is in a graveyard orbit, at a perigee of 400 km above the geostationary orbit.

2. Committee on Space Research 1991-015A
international designator:
Name of space object: ASTRA 1B
Launch date: 2 March 1991
Launch site: Kourou, French Guiana
Decommission date: 12 July 2006
Launcher: Ariane
Owner of object: SES ASTRA
Orbital characteristics: The satellite is in a graveyard orbit, at a perigee of 500 km above the geostationary orbit.

3. Committee on Space Research 1993-031A
international designator:
Name of space object: ASTRA 1C
Launch date: 12 May 1993
Launch site: Kourou, French Guiana
Launcher: Ariane
Owner of object: SES ASTRA

* The registration data are reproduced in the form in which they were received.

- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4minutes
- Inclination: 2.4 degrees on 21 April 2009
(inclined orbit)
- Apogee: 35,820 km
- Perigee: 35,752 km
- Longitude: 2.0 degrees East since 23 October 2008
- General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services and of occasional-use services
4. Committee on Space Research international designator: 1994-070A
- Name of space object: ASTRA 1D
- Launch date: 31 October 1994
- Launch site: Kourou, French Guiana
- Launcher: Ariane
- Owner of object: SES ASTRA
- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
- Maximum inclination: In inclined orbit since 22 October 2007
- Apogee: 35,820 km
- Perigee: 35,752 km
- Longitude: 52.2 degrees East. The satellite will be repositioned.
- General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services and of occasional-use services
5. Committee on Space Research international designator: 1995-055A
- Name of space object: ASTRA 1E
- Launch date: 19 October 1995
- Launch site: Kourou, French Guiana
- Launcher: Ariane
- Owner of object: SES ASTRA
- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
- Maximum inclination: 0.10 degrees
- Apogee: 35,820 km

- | | |
|----------------------------|---|
| Perigee: | 35,752 km |
| Longitude: | The satellite was repositioned to 31.25 degrees East, |
| General purpose of object: | Encrypted and unencrypted transmission of radio, television and multimedia data services and of occasional-use services |
6. Committee on Space Research international designator: 1996-021A
- | | |
|----------------------------|--|
| Name of space object: | ASTRA 1F |
| Launch date: | 8 April 1996 |
| Launch site: | Baikonur, Kazakhstan |
| Launcher: | Proton |
| Owner of object: | SES ASTRA |
| Orbital characteristics: | |
| Nodal period: | 1,435.8-1,436.4 minutes |
| Maximum inclination: | 0.10 degrees |
| Apogee: | 35,820 km |
| Perigee: | 35,752 km |
| Longitude: | 54.9 degrees East since 31 August 2011 |
| General purpose of object: | Encrypted and unencrypted transmission of radio, television and multimedia data services |
7. Committee on Space Research international designator: 1997-076A
- | | |
|----------------------------|--|
| Name of space object: | ASTRA 1G |
| Launch date: | 2 December 1997 |
| Launch site: | Baikonur, Kazakhstan |
| Launcher: | Proton |
| Owner of object: | SES ASTRA |
| Orbital characteristics: | |
| Nodal period: | 1,435.8-1,436.4 minutes |
| Maximum inclination: | 0.10 degrees |
| Apogee: | 35,820 km |
| Perigee: | 35,752 km |
| Longitude: | 31.5 degrees East since 10 July 2010 |
| General purpose of object: | Encrypted and unencrypted transmission of radio, television and multimedia data services |

-
8. Committee on Space Research 1998-050A
international designator:
- Name of space object: ASTRA 2A
- Launch date: 30 August 1998
- Launch site: Baikonur, Kazakhstan
- Launcher: Proton
- Owner of object: SES ASTRA
- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
- Maximum inclination: 0.10 degrees
- Apogee: 35,820 km
- Perigee: 35,752 km
- Longitude: 28.2 degrees East
- General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services
9. Committee on Space Research 1999-033A
international designator:
- Name of space object: ASTRA 1H
- Launch date: 18 June 1999
- Launch site: Baikonur, Kazakhstan
- Launcher: Proton
- Owner of object: SES ASTRA
- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
- Maximum inclination: 0.12 degrees
- Apogee: 35,820 km
- Perigee: 35,752 km
- Longitude: 52.2 degrees East
- General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services; return channel satellite interactive services
10. Committee on Space Research 2000-054A
international designator:
- Name of space object: ASTRA 2B
- Launch date: 14 September 2000

- | | |
|----------------------------|--|
| Launch site: | Kourou, French Guiana |
| Launcher: | Ariane 5 |
| Owner of object: | SES ASTRA |
| Orbital characteristics: | |
| Nodal period: | 1,435.8-1,436.4 minutes |
| Maximum inclination: | 0.10 degrees |
| Apogee: | 35,820 km |
| Perigee: | 35,752 km |
| Longitude: | 19.2 degrees East |
| General purpose of object: | Encrypted and unencrypted transmission of radio, television and multimedia data services |
11. Committee on Space Research international designator: 2000-081A
- | | |
|----------------------------|--|
| Name of space object: | ASTRA 2D |
| Launch date: | 20 December 2000 |
| Launch site: | Kourou, French Guiana |
| Launcher: | Ariane 5 |
| Owner of object: | SES ASTRA |
| Orbital characteristics: | |
| Nodal period: | 1,435.8-1,436.4 minutes |
| Maximum inclination: | In an inclined orbit since 10 April 2012 |
| Apogee: | 35,820 km |
| Perigee: | 35,752 km |
| Longitude: | 28.0 degrees East |
| General purpose of object: | Encrypted and unencrypted transmission of radio, television and multimedia data services |
12. Committee on Space Research international designator: 2001-025A
- | | |
|-----------------------|----------------------|
| Name of space object: | ASTRA 2C |
| Launch date: | 16 June 2001 |
| Launch site: | Baikonur, Kazakhstan |
| Launcher: | Proton |
| Owner of object: | SES ASTRA |

- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
 - Maximum inclination: 0.12 degrees
 - Apogee: 35,820 km
 - Perigee: 35,752 km
 - Longitude: 19.2 degrees East since 24 May 2011
- General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services
13. Committee on Space Research international designator: 2002-015B
- Name of space object: ASTRA 3A^a
 - Launch date: 29 March 2002
 - Launch site: Kourou, French Guiana
 - Launcher: Ariane 4
 - Owner of object: SES ASTRA
- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
 - Maximum inclination: In inclined orbit from 31 May 2012
 - Apogee: 35,820 km
 - Perigee: 35,752 km
 - Longitude: 23.7 degrees East
- General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services; occasional-use services; very small aperture terminal (VSAT) services
14. Committee on Space Research international designator: 2006-012A
- Name of space object: ASTRA 1KR
 - Launch date: 20 April 2006
 - Launch site: Cape Canaveral, United States of America
 - Launcher: Atlas V
 - Owner of object: SES ASTRA (through its subsidiary SES ASTRA 1KR)

^a Frequency usage rights for this satellite are held by Media Broadcast (formerly Deutsche Telekom and DFS Kopernikus).

Orbital characteristics:
Nodal period: 1,435.8-1,436.4 minutes
Maximum inclination: 0.12 degrees
Apogee: 35,820 km
Perigee: 35,752 km
Longitude: 19.2 degrees East
General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services

15. Committee on Space Research international designator: 2007-016A
Name of space object: ASTRA 1L
Launch date: 4 May 2007
Launch site: Kourou, French Guiana (France)
Launcher: Ariane 5
Owner of object: SES ASTRA (through its subsidiary SES ASTRA 1L)

Orbital characteristics:
Nodal period: 1,435.8-1,436.4 minutes
Maximum inclination: 0.12 degrees
Apogee: 35,820 km
Perigee: 35,752 km
Longitude: 19.2 degrees East
General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services and broadband services

16. Committee on Space Research international designator: 2008-057A
Name of space object: ASTRA 1M
Launch date: 5 November 2008
Launch site: Baikonur, Kazakhstan
Launcher: Proton-M/Breeze-M
Owner of object: SES ASTRA (through its subsidiary SES ASTRA 1M)

Orbital characteristics:
Nodal period: 1,435.8-1,436.4 minutes
Maximum inclination: 0.12 degrees

- | | | |
|--|----------------------------|--|
| | Apogee: | 35,820 km |
| | Perigee: | 35,752 km |
| | Longitude: | 19.2 degrees East |
| | General purpose of object: | Encrypted and unencrypted transmission of radio, television and multimedia data services |
17. Committee on Space Research international designator: 2010-021A
- | | | |
|--|-----------------------|---|
| | Name of space object: | ASTRA 3B |
| | Launch date: | 21 May 2007 |
| | Launch site: | Kourou, French Guiana (France) |
| | Launcher: | Ariane 5 |
| | Owner of object: | SES ASTRA (through its subsidiary SES 3B) |
- Orbital characteristics:
- | | | |
|--|----------------------------|---|
| | Nodal period: | 1,435.8-1,436.4 minutes |
| | Maximum inclination: | 0.10 degrees |
| | Apogee: | 35,820 km |
| | Perigee: | 35,752 km |
| | Longitude: | 23.5 degrees East since 10 June 2010 |
| | General purpose of object: | Encrypted and unencrypted transmission of radio, television, multimedia data services, VSAT, and broadband services |
18. Committee on Space Research international designator: 2011-041A
- | | | |
|--|-----------------------|---|
| | Name of space object: | ASTRA 1N |
| | Launch date: | 6 August 2011 |
| | Launch site: | Kourou, French Guiana (France) |
| | Launcher: | Ariane 5 |
| | Owner of object: | SES ASTRA (through its subsidiary SES 1N) |
- Orbital characteristics:
- | | | |
|--|----------------------|---|
| | Nodal period: | 1,435.8-1,436.4 minutes |
| | Maximum inclination: | 0.10 degrees |
| | Apogee: | 35,820 km |
| | Perigee: | 35,752 km |
| | Longitude: | 28.2 degrees East since 20 October 2011 |

- General purpose of object: Encrypted and unencrypted transmission of radio, television, multimedia data services, VSAT, and broadband services
19. Committee on Space Research international designator: 2011-058C
- Name of space object: Vesselsat 1
- Launch date: 12 October 2011
- Launch site: Sriharikota, India
- Launcher: PSLV-CA
- Owner of object: LuxSpace
- Orbital characteristics:
- Nodal period: 102.10 minutes
- Maximum inclination: 20.00 degrees
- Apogee: 867.00 km
- Perigee: 847.00 km
- General purpose of object: Automatic Identification System (AIS) data collection
20. Committee on Space Research international designator: 2012-051A
- Name of space object: ASTRA 2F
- Launch date: 28 September 2012
- Launch site: Kourou, French Guiana (France)
- Launcher: Ariane 5
- Owner of object: SES ASTRA (through its subsidiary SES ASTRA 2F)
- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
- Maximum inclination: 0.10 degrees
- Apogee: 35,820 km
- Perigee: 35,752 km
- Longitude: 28.2 degrees East
- General purpose of object: Encrypted and unencrypted transmission of radio, television, multimedia data services, VSAT, and broadband services
21. Committee on Space Research international designator: 2012-001B
- Name of space object: Vesselsat 2

Launch date:	9 January 2012
Launch site:	Taiyuan LC-9, China
Launcher:	Chang Zheng 4B Y26
Owner of object:	LuxSpace
Orbital characteristics:	
Nodal period:	94.30 minutes
Maximum inclination:	97.50 degrees
Apogee:	490.00 km
Perigee:	479.00 km
General purpose of object:	Automatic Identification System (AIS) data collection
