



General Assembly

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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 15 July 2014 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 as at 11 June 2014 (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
Orbital characteristics:
Nodal period: 1,435.8-1,436.4 minutes

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

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|----|---|---|
| | Inclination: | 6.6 degrees on 11 June 2014
(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: | The satellite is being repositioned to 67.6 degrees West (will arrive on 19 June 2014) |
| | 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: | In inclined orbit since May 2010 |
| | Apogee: | 35,820 km |
| | Perigee: | 35,752 km |

- Longitude: The satellite has been repositioned to 31.20 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: 54.65 degrees East since 18 October 2013
- 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: In inclined orbit since May 2014
- 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

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8. Committee on Space Research international designator: 1998-050A
- 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 international designator: 1999-033A
- 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: In inclined orbit since May 2012
- Apogee: 35,820 km
- Perigee: 35,752 km
- Longitude: The satellite is being repositioned to 67.6 degrees West (will arrive on 20 August 2014)
- General purpose of object: Encrypted and unencrypted transmission of radio, television and multimedia data services; two-way satellite interactive services
10. Committee on Space Research international designator: 2000-054A
- Name of space object: ASTRA 2B

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|-----|---|--|
| | 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: | 31.33 degrees East since 8 February 2014 |
| | 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 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: 28.2 degrees East since 30 April 2014
- 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
 - 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: 183.15 degrees East since 20 December 2013
- 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)
- Orbital characteristics:
- Nodal period: 1,435.8-1,436.4 minutes
 - Maximum inclination: 0.12 degrees

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|-----|---|---|
| | 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 |
| | 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, multimedia data 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 |

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|-----|---|---|
| | 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 2010 |
| | Launch site: | Kourou, French Guiana |
| | 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, 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 |
| | 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: | 19.2 degrees East since 28 February 2014 |
| | General purpose of object: | Encrypted and unencrypted transmission of radio, television, multimedia data, 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
- 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, 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
22.	Committee on Space Research international designator:	2013-056A
	Name of space object:	ASTRA 2E
	Launch date:	29 September 2013
	Launch site:	Baikonur, Kazakhstan
	Launcher:	Proton-M/Breeze-M
	Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 2E)
	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, VSAT and broadband services
23.	Committee on Space Research international designator:	2014-011B
	Name of space object:	ASTRA 5B
	Launch date:	22 March 2014
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane 5
	Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 5B)
	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:	31.55 degrees East
General purpose of object:	Encrypted and unencrypted transmission of radio, television, multimedia data, VSAT and broadband services
