



Secretariat

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

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

**Notes verbales dated 15 and 16 November 2004 from the
Permanent Mission of the United States of America to the
United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit registration data on space launches by the United States for the period from July to October 2004 (see annex).

V.04-59867 231204 281204



Registration data on space launches by the United States of America for July to October 2004*

July 2004

1. The following report supplements the registration data on United States launches as at 31 July 2004. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Basic orbital characteristics				General function of space object
			Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:							
2004-026A	Aura	15 July 2004	98.5	98.2	688	684	Spacecraft engaged in investigation of spaceflight techniques and technology
2004-026B	Delta 2 R/B	15 July 2004	93.0	103.0	638	200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:							
None.							
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 31 July 2004:							
None.							
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 July 2004:							
None.							
The following objects identified in a previous report were no longer in orbit as at 2400Z 31 July 2004:							
1979-057C, 1996-041C, 2003-032C							
The following objects were launched since the last report but did not achieve orbit:							
None.							
Revisions that should be made to previously reported data:							
None.							

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

August 2004

2. The following report supplements the registration data on United States launches as at 31 August 2004. All launches were made from the territory of the United States unless otherwise specified.

<i>International designation</i>	<i>Name of space object</i>	<i>Date of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i>
			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
The following objects were launched since the last report and remain in orbit:							
2004-030A	MESSENGER	3 August 2004	Parameters not available				Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2004-030B	Delta 2 R/B (1)	3 August 2004	87.9	32.4	181	159	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2004-030C	Delta 2 R/B (2)	3 August 2004	Parameters not available				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2004-034A	USA 179	31 August 2004	280.7	58.0	15 379	267	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2004-034B	Atlas Centaur R/B	31 August 2004	279.3	57.4	15 341	216	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 31 August 2004:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 August 2004:

None.

The following objects identified in a previous report were no longer in orbit as at 2400Z 31 August 2004:

1978-026BE, 2001-004C

<i>International designation</i>	<i>Name of space object</i>	<i>Date of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i>
			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

September 2004

3. The following report supplements the registration data on United States launches as at 30 September 2004. All launches were made from the territory of the United States unless otherwise specified.

<i>International designation</i>	<i>Name of space object</i>	<i>Date of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i>
			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	

The following objects were launched since the last report and remain in orbit:

None.

The following objects not previously reported have been identified since the last report:

1962-002E	Delta 1 debris	8 February 1962	99.1	48.2	777	663	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108BG	Titan 3C Transtage debris	21 December 1965	530.9	27.5	29 795	887	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108BK	Titan 3C Transtage debris	21 December 1965	436.8	27.2	24 910	479	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108BL	Titan 3C Transtage debris	21 December 1965	547.8	27.4	30 358	1 240	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108BN	Titan 3C Transtage debris	21 December 1965	485.8	26.4	27 607	583	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

<i>International designation</i>	<i>Name of space object</i>	<i>Date of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i>
			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
1965-108BP	Titan 3C Transtage debris	21 December 1965	534.29	26.9	30 327	539	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-040Y	Nimbus 2 debris	15 May 1966	107.1	100.3	1 132	1 058	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035C	FUSE I debris	24 June 1999	98.4	24.9	698	675	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035E	FUSE I debris	24 June 1999	98.6	24.9	722	666	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035F	FUSE I debris	24 June 1999	99.8	24.9	795	712	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035G	FUSE I debris	24 June 1999	99.0	24.9	760	666	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035H	FUSE I debris	24 June 1999	99.5	24.9	746	725	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 30 September 2004:							
1965-108BH	Titan 3C Transtage debris	21 December 1965	542.2	28.1	30 186	1 110	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108BJ	Titan 3C Transtage debris	21 December 1965	411.0	26.2	23 500	370	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035D	FUSE I debris	24 June 1999	97.8	24.9	706	605	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 30 September 2004:

None.

<i>International designation</i>	<i>Name of space object</i>	<i>Date of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i>
			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
The following objects identified in a previous report were no longer in orbit as at 2400Z 30 September 2004:							
2003-058B, 2004-009B, 2004-023B, 2004-026B							
The following objects were launched since the last report but did not achieve orbit:							
None.							
Revisions that should be made to previously reported data:							
None.							

October 2004

4. The following report supplements the registration data on United States launches as at 31 October 2004. All launches were made from the territory of the United States unless otherwise specified.

<i>International designation</i>	<i>Name of space object</i>	<i>Date of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i>
			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
The following objects were launched since the last report and remain in orbit:							
2004-041A	AMC 15	14 October 2004	771.0	18.6	35 768	7 187	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:							
1983-113F	DMSP 5D-2 P7 debris	18 November 1983	96.1	98.4	608	546	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1983-113G	DMSP 5D-2 P7 debris	18 November 1983	100.7	24.9	830	761	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035K	FUSE 1 debris	24 June 1999	100.2	24.9	805	737	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

<i>International designation</i>	<i>Name of space object</i>	<i>Date of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i>
			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 31 October 2004:							
1965-108BM	Titan 3C Transtage debris	21 December 1965	540.7	26.7	30 193	1 024	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-035J	FUSE 1 debris	24 June 1999	93.7	24.9	527	390	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 October 2004:							
None.							
The following objects identified in a previous report were no longer in orbit as at 2400Z 31 October 2004:							
1978-026GM, 1991-082G, 1994-029FW							
The following objects were launched since the last report but did not achieve orbit:							
None.							
Revisions that should be made to previously reported data:							
None.							