



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**

**Note verbale dated 27 August 2003 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 April to June 2003 (see annex).

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Annex

Registration data on space launches by the United States of America for the period from April to June 2003*

April 2003

1. The following report supplements the registration data on United States launches as at 30 April 2003. 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:							
2003-012A	USA 169	8 April 2003	631.25	26.6	35 791	204	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2003-012B	Titan 4 Centaur R/B	8 April 2003	631.25	26.6	35 791	204	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-013B	Galaxy 12	9 April 2003	647.7	2.1	35 979	879	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2003-014B	Atlas 3B Centaur R/B	12 April 2003	883.8	26.9	47 966	289	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-017A	GALEX	28 April 2003	98.7	29.0	709	696	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

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

<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>	
2003-017B	Pegasus R/B	28 April 2003	98.8	29.0	706	700	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:							
1965-004E	Delta 1 debris	22 January 1965	119.1	96.5	2 585	704	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-082UT	Titan 3C debris	15 October 1965	100.5	31.6	886	683	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AS	Titan 3C debris	21 December 1965	556.2	26.9	31 351	1 239	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AT	Titan 3C debris	21 December 1965	524.3	27.0	29 696	626	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-077AC	OPS 0856 debris	19 August 1966	166.1	88.9	5 490	1 776	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1969-082LH	Thorad Agena D debris	30 September 1969	98.7	70.0	718	684	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-004HS	Delta 1 debris	22 January 1975	101.2	97.8	896	736	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1976-077FS	Delta 1 debris	29 July 1976	123.2	102.6	2 167	1 487	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1976-077FT	Delta 1 debris	29 July 1976	122.2	102.5	2 100	1 462	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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1977-065GF	Delta 1 debris	14 July 1977	104.6	28.6	1 408	550	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-065GG	Delta 1 debris	14 July 1977	97.6	29.0	830	466	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1993-042D	PAM D debris	26 June 1993	183.4	34.7	8 444	686	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1994-029AEK	Pegasus debris	19 May 1994	110.9	81.8	1 936	608	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1994-029AEM	Pegasus debris	19 May 1994	97.8	81.2	675	635	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1994-029AEN	Pegasus debris	19 May 1994	95.3	81.4	588	479	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1994-029AEP	Pegasus debris	19 May 1994	97.0	81.7	724	509	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1996-056D	PAM D debris	12 September 1996	245.9	34.8	13 037	211	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-031F	Globalstar debris	10 June 1999	112.4	52.0	1 380	1 294	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2000-025D	PAM D debris	11 May 2000	292.11	38.9	16 200	210	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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2000-040D	PAM D debris	16 July 2000	271.0	38.9	14 814	177	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-004D	PAM D debris	30 January 2001	250.2	38.8	13 396	157	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-003B	STS 107 debris	16 January 2003	88.7	39.0	218	206	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-005E	PAM D debris	29 January 2003	339.7	38.9	19 349	153	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 April 2003:							
2002-051K	Delta 4 debris	20 November 2002	96.3	23.3	734	435	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 April 2003:							
None.							
The following objects identified in a previous report were no longer in orbit as at 2400Z 30 April 2003:							
1961-015FJ, 1972-058CJ, 1994-029FX, 1998-014B, 2002-044B							
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.							

May 2003

2. The following report supplements the registration data on United States launches as at 31 May 2003. 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:							
2003-020B	Atlas 5 R/B	13 May 2003	1 795.8	17.1	84 813	311	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:							
1965-089E	Delta 1 debris	6 November 1965	118.2	59.4	2 094	1 109	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-089F	Delta 1 debris	6 November 1965	119.39	59.36	2 183	1 124	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AU	Titan 3C debris	21 December 1965	525.64	26.31	29 660	734	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AV	Titan 3C debris	21 December 1965	524.12	26.61	30 810	805	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AW	Titan 3C debris	21 December 1965	548.05	26.5	29 830	476	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AX	Titan 3C debris	21 December 1965	485.96	26.49	27 640	554	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AY	Titan 3C debris	21 December 1965	523.01	26.47	29 543	707	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 May 2003:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 May 2003:

None.

The following objects identified in a previous report were no longer in orbit as at 2400Z 31 May 2003:

1991-018B, 1994-029AEL, 1999-037E, 2002-051F

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.

June 2003

3. The following report supplements the registration data on United States launches as at 30 June 2003. 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:

2003-024A	AMC 9	6 June 2003	754.0	17.2	35 693	6 449	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-027A	Mars Rover A	10 June 2003	Spacecraft engaged in practical applications and uses of space technology such as weather and communications

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			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
2003-027B	Delta 2 R/B	10 June 2003	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-027C	Delta 2 R/B	10 June 2003	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-030A	OrbView 3	26 June 2003	92.5	97.3	427	363	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-030B	Pegasus R/B	26 June 2003	92.4	97.3	424	361	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 30 June 2003:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 30 June 2003:

None.

The following objects identified in a previous report were no longer in orbit as at 2400Z 30 June 2003:

1995-041D, 2003-010B

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.