



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 30 June 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 the registration data on space launches by the United States for the period from November 2002 to March 2003 (see annex).



Annex

Registration data on space launches by the United States of America for the period from November 2002 to March 2003*

November 2002

1. The following report supplements the registration data on United States launches as at 30 November 2002. 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:							
2002-051B	Delta 4 R/B	20 November 2002	612.5	13.4	34 519	508	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-052A	STS 113	24 November 2002	92.3	51.6	391	387	Reusable space transportation systems
2002-052B	MEPSI	24 November 2002	92.3	51.6	392	383	Spacecraft engaged in practical applications and uses of space technology such as weather and communications

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 are no longer in orbit as at 2400Z 30 November 2002:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 30 November 2002:

2002-051C	Delta 4 debris	20 November 2002	92.1	25.7	457	306	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
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* 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>	
The following objects identified in a previous report are no longer in orbit as at 2400Z 30 November 2002:							
1960-007E (Thor Ablestar debris), 1964-026C (Scout X-4 debris), 1966-111B (OV1-10 debris), 1968-066K (Scout B debris), 1993-076B (Delta 2 R/B), 1994-029HR (Pegasus debris), 1994-029AAK (Pegasus debris), 2000-042A (MightySat 2), 2001-020C (Delta 4 debris)							
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.							

December 2002

2. The following report supplements the registration data on United States launches as at 31 December 2002. 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:							
2002-055A	TDRS 10	5 December 2002	549.0	27.0	31 453	225	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2002-055B	Atlas 2A Centaur R/B	5 December 2002	545.6	26.9	31 277	219	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-058E	Trailblazer 2	20 December 2002	96.3	64.5	786	397	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
The following objects not previously reported have been identified since the last report:							
1966-077AA	OPS 0856 debris	19 August 1966	165.3	88.7	5 770	1 432	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>	
1975-052LC	Delta 1 debris	12 June 1975	117.6	99.4	1 978	1 169	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-052LD	Delta 1 debris	12 June 1975	105.3	99.3	1 096	922	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-052LE	Delta 1 debris	12 June 1975	107.3	99.1	1 169	1 038	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-052LF	Delta 1 debris	12 June 1975	105.6	99.6	1 057	986	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-065GE	Delta 1 debris	14 July 1977	107.1	29.1	1 533	648	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 are no longer in orbit as at 2400Z 31 December 2002:							
1978-064L	Seasat 1 debris	27 June 1978	91.9	108.0	391	351	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-051D	Delta 4 debris	20 November 2002	88.3	25.5	222	158	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-051E	Delta 4 debris	20 November 2002	92.6	25.7	492	318	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 December 2002:							
None.							
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 December 2002:							
1976-077FG (Delta 1 debris), 1979-017AN (Solwind debris), 1993-032B (Delta 2 R/B), 1994-029DT (Pegasus debris), 2002-052A (STS 113)							
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.							

January 2003

3. The following report supplements the registration data on United States launches as at 31 January 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:							
2003-001A	Coriolis	6 January 2003	95.8	98.7	851	283	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-001B	Titan 2 R/B	6 January 2003	95.7	98.7	837	277	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-002A	ICESat	13 January 2003	96.4	94.0	602	594	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-002B	CHIPSat	13 January 2003	96.3	94.0	601	585	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-002C	Delta 2 debris	13 January 2003	96.2	94.0	607	587	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-002D	Delta 2 R/B	13 January 2003	92.3	97.5	557	258	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-003A	STS 107	16 January 2003	Reusable space transportation systems
2003-004A	SORCE	25 January 2003	97.4	40.0	655	620	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-004B	Pegasus R/B	25 January 2003	97.4	40.0	655	615	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-005A	Navstar 51	29 January 2003	356.1	39.1	20 354	175	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>	
2003-005B	XSS 10	29 January 2003	98.0	39.8	814	525	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-005C	Delta 2 R/B	29 January 2003	100.9	39.6	809	796	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-005D	Navstar 51 R/B (PAM-D)	29 January 2003	355.6	39.0	20 314	184	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:							
1966-077AB	OPS 0856 debris	19 August 1966	165.26	88.62	5 791	1 404	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1968-055K	Delta 1 debris	4 July 1968	140.4	120.7	4 398	742	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1994-029AEJ	Pegasus debris	19 May 1994	101.97	82.0	1 118	586	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1997-008E	USA 130 debris	23 February 1997	1 447.03	1.43	36 767	35 231	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 are no longer in orbit as at 2400Z 31 January 2003:							
None.							
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 January 2003:							
None.							
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 January 2003:							
1970-025EW (Thorad Agena D debris), 1975-052CY (Delta 1 debris), 1996-033B (Delta 2 R/B), 2001-043A (Starshine 3), 2002-052B (MEPSI)							
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.							

February 2003

4. The following report supplements the registration data on United States launches as at 28 February 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:

None.

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 are no longer in orbit as at 2400Z 28 February 2003:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 28 February 2003:

None.

The following objects identified in a previous report are no longer in orbit as at 2400Z 28 February 2003:

1965-082BA (Titan 3C Transtage debris), 1972-058CG (Delta 1 debris), 1978-026EV (Delta 1 debris), 1994-029ES (Pegasus debris), 1994-029HF (Pegasus debris), 2003-003A (STS 107)

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.

March 2003

5. The following report supplements the registration data on United States launches as at 31 March 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:

2003-008A	USA 167	11 March 2003	627.5	25.5	35 571	234	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-008B	Delta 4 R/B	11 March 2003	609.87	25.4	34 670	219	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-008C	IABS	11 March 2003	627.5	25.5	35 571	234	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-010A	Navstar 52	31 March 2003	356.8	39.0	20 380	193	Spacecraft engaged in practical applications and uses of space technology such as weather and communications
2003-010B	Delta 2 R/B (1)	31 March 2003	98.2	37.2	1 141	201	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2003-010C	Navstar 52 R/B (PAM D)	31 March 2003	356.4	39.0	20 378	191	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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

1993-054D	PAM D debris	30 August 1993	342.6	34.9	19 490	195	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-051F	Delta 4 debris	20 November 2002	108.9	24.2	1 271	483	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-051G	Delta 4 debris	20 November 2002	122.2	22.3	3 061	506	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>	
2002-051H	Delta 4 debris	20 November 2002	135.6	20.9	4 225	509	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 are no longer in orbit as at 2400Z 31 March 2003:

None.

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

None.

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

1965-082KQ (Titan 3C debris), 1970-025JR (Thorad Agena D debris), 1977-065BS (Delta 1 debris), 1979-057B (NOAA 6 debris), 1997-030C (Iridium 09), 1998-012D (Pegasus debris), 2003-002D (Delta 2 R/B)

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.