



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 7 December 2009 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 2009 (see annexes I-IV).



Annex I

Registration data on space launches by the United States of America for July 2009*

The following report supplements the registration data on United States launches as at 31 July 2009. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Location 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:								
2009-035A	TerreStar 1	1 July 2009	Kourou, French Guiana	634.20	6.0	35 911	237	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-037B	Falcon 1 R/B	14 July 2009	–	97.90	9.0	687	685	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-038B	DRAGONSat	15 July 2009	–	91.07	51.64	329	324	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-038C	ANDE debris (Pollux cylinder)	15 July 2009	–	91.06	51.64	329	324	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-038D	ANDE debris (Castor cylinder)	15 July 2009	–	91.09	51.64	327	321	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-038E	ANDE Pollux Sphere	15 July 2009	–	91.10	51.64	331	326	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-038F	ANDE Castor Sphere	15 July 2009	–	91.12	51.64	333	327	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-038G	ANDE debris (Avionics Deck)	15 July 2009	–	91.10	51.64	331	325	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-041D	AprizeSat 4	29 July 2009	Baikonur, Kazakhstan	97.50	98.1	674	602	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-041F	AprizeSat 3	29 July 2009	Baikonur, Kazakhstan	97.10	98.1	676	561	Spacecraft engaged in practical applications and uses of space technology

* 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>Location of launch</i>	<i>Basic orbital characteristics</i>				<i>General function of space object</i> such as weather or communications
				<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:								
2007-047D	Delta 2 debris	17 October 2007	–	342.81	39.97	19 482	212	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2008-042C	GeoEye 1 debris	6 September 2008	–	98.10	98.16	673	663	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 on 31 July 2009:								
None.								
The following object achieved orbit since the last report but was no longer in orbit as at 2400Z on 31 July 2009:								
2009-038A	STS-127	15 July 2009	–	91.10	51.6	336	328	Reusable space transportation systems
The following objects identified in a previous report were no longer in orbit as at 2400Z on 31 July 2009:								
1997-051HF, 1997-051LY								
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.								

Annex II

Registration data on space launches by the United States of America for August 2009*

The following report supplements the registration data on United States launches as at 31 August 2009. 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>Location 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:								
2009-043A	Navstar 64 (USA 206)	17 August 2009	–	356.8	40.0	20 370	203	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-043B	Delta 2 R/B (1)	17 August 2009	–	99.1	37.9	1 235	196	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-043C	Delta 2 R/B (2)	17 August 2009	–	356.5	40.0	20 351	202	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-045A	STS-128	28 August 2009	–	88.4	51.6	238	156	Reusable space transportation systems
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 on 31 August 2009:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 August 2009:								
None.								
The following object identified in a previous report was no longer in orbit as at 2400Z on 31 August 2009:								
1965-072F								
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.

Annex III

Registration data on space launches by the United States of America for September 2009*

The following report supplements the registration data on United States launches as at 30 September 2009. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Location 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:								
2009-047A	USA 207	8 September 2009	–	774.2	23.0	35 797	7 308	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-047B	Atlas 5 Centaur R/B	8 September 2009	–	774.2	23.0	35 797	7 308	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-052A	STSS Demo 1 (USA 208)	25 September 2009	–	112.6	58.0	1 350	1 348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-052B	STSS Demo 2 (USA 209)	25 September 2009	–	112.6	58.0	1 350	1 348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-052C	Delta 2 R/B	25 September 2009	–	112.6	58.0	1 350	1 348	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 on 30 September 2009:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 30 September 2009:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2400Z on 30 September 2009:								
1997-051DF, 2007-043C, 2009-045A								
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.								

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Annex IV

Registration data on space launches by the United States of America for October 2009*

The following report supplements the registration data on United States launches as at 31 October 2009. All launches were made from the territory of the United States unless otherwise specified.

International designation	Name of space object	Date of launch	Location 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:								
2009-055A	WorldView 2	8 October 2009	–	100.0	98.6	805	195	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-055B	Delta 2 R/B	8 October 2009	–	100.1	98.6	777	776	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-057A	DMSP 5D-3 F18 (USA 210)	18 October 2009	–	101.9	98.9	860	849	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-057B	Atlas 5 Centaur R/B	18 October 2009	–	102.8	98.8	857	850	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-057C	DMSP 5D-3 F18 debris	18 October 2009	–	101.9	98.9	858	854	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-057D	DMSP 5D-3 F18 debris	18 October 2009	–	101.9	98.9	865	862	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 on 31 October 2009:								
None.								
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 October 2009:								
None.								
The following objects identified in a previous report were no longer in orbit as at 2400Z on 31 October 2009:								
1998-037B, 2006-050AG, 2006-057GH, 2009-031C								
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.								

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