United Nations



Distr.: General 12 December 2011

Original: English

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

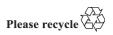
### Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

#### Note verbale dated 14 November 2011 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 objects launched by the United States from July to September 2011 (see annexes I-III).

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Annex I

# **Registration data on space objects launched by the United States of America for July 2011\***

The following report supplements the registration data on space objects launched by the United States as at 31 July 2011. All launches were made from the territory of the United States unless otherwise specified.

	Name of the space object	Date of the launch	Location of the launch	Bas	ic orbital chai	racteristics		
International designator				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of the space object
The followin	g objects were laur	nched since the	last report an	d remain in or	bit:			
2011-031B	PSSC 2	8 July 2011	_	91.9	51.6	378	360	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2011-036A	NAVSTAR 66 (USA 232)	16 July 2011	_	359.5	43.4	20 406	241	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2011-036B	Delta 4 R/B	16 July 2011	_	728.8	55.0	20 468	20 428	Spent boosters, spent manoeuvring stages, shroud and other non-functional objects
None.	0 5 1	5 1				1		longer in orbit as at 2400Z on 31 July 2011:
TT1 C 11 .	ig objects achieve	ed orbit since th	ie last report	but were no	longer in or	bit as at 2	400Z on	41 mly 7011.
The followin			1		-			-
2011-031A	STS 135	8 July 2011	_	88.4	51.6	232	157	Reusable space transportation systems
2011-031A		8 July 2011	_	88.4	51.6	232	157	Reusable space transportation systems
2011-031A The followin 1968-014A 2004-007B 2011-024B	STS 135	8 July 2011 ed in a previou	s report wer	88.4 e no longer in	51.6 orbit as at	232 2400Z on	157	Reusable space transportation systems
2011-031A The followin 1968-014A 2004-007B 2011-024B	STS 135 ng objects identifi	8 July 2011 ed in a previou	s report wer	88.4 e no longer in	51.6 orbit as at	232 2400Z on	157	Reusable space transportation systems
2011-031A The followin 1968-014A 2004-007B 2011-024B The followin None.	STS 135 ng objects identifi	8 July 2011 ed in a previou unched since th	s report were	88.4 e no longer in but did not a	51.6 orbit as at	232 2400Z on	157	Reusable space transportation systems

<sup>\*</sup> The registration data are reproduced in the form in which they were received.

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## **Registration data on space objects launched by the United States of America for August 2011\***

The following report supplements the registration data on space objects launched by the United States as at 31 August 2011. All launches were made from the territory of the United States unless otherwise specified.

		Date of the launch	Location of the launch	Ba	sic orbital ch	aracteristic	S	General function of the space object
International designator	Name of the space object			Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following	g objects were lau	unched since the las	st report and rema	in in orbit:				
2011-040A	Juno	5 August 2011	_	88.6	28.8	229	195	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2011-040B	Atlas 5 Centaur R/B	5 August 2011	-	14 400.0	46.1	366 151	13 233	Spent boosters, spent manoeuvring stages shrouds and other non-functional objects
2011-044E	AprizeSat 5	17 August 2011	Yasny launch base, Russian Federation	97.7	98.3	695	607	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2011-044F	AprizeSat 6	17 August 2011	Yasny launch base, Russian Federation	97.9	98.3	695	607	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The followin None.	g objects not pro	eviously reported l	have been identi	fied since th	ne last repo	rt:		
The followin None.	g objects not pro	eviously reported l	have been identi	fied since th	ne last repo	rt but wer	e no long	er in orbit as at 2400Z on 31 August 2011:
The followin None.	g objects achiev	ed orbit since the	last report but w	ere no long	er in orbit a	as at 2400.	Z on 31 A	August 2011:
The followin	g objects identif	ied in a previous i	eport were no lo	onger in orb	it as at 240	0Z on 31 /	August 20	011:
2011-019B	-	-					-	
The followin	g objects were l	aunched since the	last report but d	id not achie	ve orbit:			
None.								
Revisions that	at should be mad	le to previously re	ported data:					

### Annex III

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# **Registration data on space objects launched by the United States of America for September 2011\***

The following report supplements the registration data on space objects launched by the United States as at 30 September 2011. All launches were made from the territory of the United States unless otherwise specified.

	Name of the space object	Date of the launch	Location of the launch	E	asic orbital c	haracterist	ics	- General function of the space object
International designator				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following	g objects were la	aunched since the last re	eport and remain in	orbit:				
2011-046A	Grail-A	10 September 2011	_	87.8	28.5	172	171	Spacecraft engaged in practical applications an uses of space technology such as weather or communications
2011-046B	Grail-B	10 September 2011	_	87.8	28.5	172	171	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2011-046C	Delta 2 R/B	10 September 2011	_	87.8	28.5	172	171	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2011-049A	SES-2	21 September 2011	Kourou, French Guiana	629.7	2.0	35 681	234	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2011-051B	DM-SL R/B	24 September 2011	_	653.5	0.10	35 520	1 617	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2011-052A	Tacsat 4	27 September 2011	_	231.1	63.4	11 845	359	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2011-052B	Minotaur 4 R/B	27 September 2011	_	228.7	63.4	11 837	193	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The followin None.	g objects not p	reviously reported hav	e been identified s	ince the l	ast report:			
The followin None.	g objects not p	reviously reported hav	e been identified s	since the l	ast report b	out were n	io longer i	in orbit as at 2400Z on 30 September 2011:
The followin None.	g objects achie	eved orbit since the las	t report but were n	o longer	in orbit as a	it 2400Z o	on 30 Sept	tember 2011:

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

		E	Basic orbital c	haracteris	tics	
International Name of t designator space obj	Location of the launch	Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of the space object

The following objects identified in a previous report were no longer in orbit as at 2400Z on 30 September 2011:

1991-063B

1991-082B

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.