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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 13 January 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 launches by the United States for the period from July to November 2010 (see annexes I-V).





Annex I

Registration data on space launches by the United States of America for July 2010 $\!\!\!\!^*$

The following report supplements the registration data on United States launches as at 31 July 2010. All launches were made from the territory of the United States unless otherwise specified.

				Basi	c orbital charac	eteristics				
International designation	Name of space object	Date of launch	Location of launch	Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object		
The following	g objects were la	unched since the	last report and	remain in orbit:						
2010-034A	Echostar 15	10 July 2010	Baikonur, Kazakhstan	636.3	49.2	35 802	425	Spacecraft engaged in practical applications and uses of space technology such as weather or communications		
The following None.	g objects not pre-	viously reported l	have been ident	ified since the last re	eport:					
The following 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 July 2010: None									
The following None.	The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 July 2010:									
The following None	g objects identifi	ed in a previous r	eport were no l	onger in orbit as at 2	2400Z on 31	July 2010:				
The following	g objects were la	unched since the	last report but c	lid not achieve orbit						
None. Revisions tha	t should be made	e to previously re	ported data:							
None.										

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

Registration data on space launches by the United States of America for August 2010^*

The following report supplements the registration data on United States launches as at 31 August 2010. All launches were made from the territory of the United States unless otherwise specified.

				Basic orbital characteristics						
International designation	Name of space object	Date of launch	Location of launch	Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object		
The following objects were launched since the last report and remain in orbit:										
2010-039A	AEHF 1 (USA 214)	14 August 2010	-	928.3	22.2	50 021	268	Spacecraft engaged in practical applications and uses of space technology such as weather or communications		
2010-039B	Atlas 5 Centaur R/B	14 August 2010	_	933.8	21.7	50 319	216	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects		
The following	objects not previ	ously reported hav	e been identif	fied since the la	ast report:			-		
2005-011C	Minotaur debris	11 April 2005	_	101.9	98.9	859	844	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects		
The following None.	objects not previ	ously reported hav	e been identif	fied since the la	ast report but v	were no longe	er in orbit as	at 2400Z on 31 August 2010:		
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 August 2010:										
The following	objects identified	1 in a previous repo	ort were no lo	nger in orbit as	s at 2400Z on	31 August 2	010:			
2003-00	2A, 2006-058C,	2007-062B, 2009	9-038F							
The following	objects were laur	nched since the last	t report but di	d not achieve o	orbit:					
None.										
Revisions that	should be made t	to previously repor	ted data:							
None.										

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Annex III

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Registration data on space launches by the United States of America for September 2010^*

The following report supplements the registration data on United States launches as at 30 September 2010. All launches were made from the territory of the United States unless otherwise specified.

				Ba	sic orbital cha	racteristics			
International designation	Name of space object	Date of launch	Location of launch	Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object	
The following	objects were	launched since the la	st report and	remain in orbit	:				
2010-046A	USA 215	21 September 2010	-	106.6	123.0	1 078	1 060	Spacecraft engaged in practical applications and uses of space technology such as weather or communications	
2010-048A	SBSS (USA 216)	26 September 2010	_	95.2	98.0	553	541	Spacecraft engaged in practical applications and uses of space technology such as weather or communications	
2010-048B	Minotaur IV R/B	26 September 2010	-	95.2	98.0	558	543	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 pr	reviously reported ha	ve been ident	ified since the	last report bu	ut were no	longer in o	orbit as at 2400Z on 30 September 2010	
None.						2 4 0 0 7			
The following	objects achiev	ved orbit since the la	st report but v	vere no longer	in orbit as at	2400Z on	1 30 Septe	mber 2010:	
None.	abiaata idanti	fied in a provious ra	ort wara na l	ongor in orbit (as at 24007	on 20 Son	tombor 20	10:	
None	objects identi	fied in a previous rej		onger in oron a	as at 24002	on 50 Sep	tember 20	10.	
The following	objects were	launched since the la	st report but o	lid not achieve	orbit:				
None.									
Revisions that	should be ma	de to previously repo	orted data:						
None.									

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Annex IV

Registration data on space launches by the United States of America for October 2010^*

The following report supplements the registration data on United States launches as at 31 October 2010. All launches were made from the territory of the United States unless otherwise specified.

					Basic orbital char	racteristics				
International designation	Name of space object	Date of launch	Location of launch	Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object		
The following objects were launched since the last report and remain in orbit:										
2010-053A	XM-5	14 October 2010	Baikonur, Kazakhstan	635.5	49.2	35 791	424	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: None.										
The following None.	objects not p	reviously report	ted have been id	lentified since th	he last report bu	it were no lo	onger in orb	it as at 2400Z on 31 October 2010:		
The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 October 2010: None										
The following	objects ident	ified in a previo	ous report were	no longer in orb	it as at 2400Z	on 31 Octob	er 2010:			
None.	- 1. :	1	41 14							
I he following o	objects were	launched since	the last report of	out and not achie	eve orbit:					
Revisions that	should be ma	ade to previousl	v reported data:							
None.		1	, <u>,</u> , , , , , , , , , , , , , , , , ,							

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Annex V

Registration data on space launches by the United States of America for November 2010^*

The following report supplements the registration data on United States launches as at 30 November 2010. All launches were made from the territory of the United States unless otherwise specified.

				Ва	usic orbital cha	racteristics					
International designation	Name of space object	Date of launch	Location of launch	Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object			
The following objects were launched since the last report and remain in orbit:											
2010-060B	Delta 2 R/B	6 November 2010	-	92.7	97.8	650	202	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects			
2010-061A	SkyTerra 1	14 November 2010	Baikonur, Kazakhstan	739.4	18.8	35 540	5 874	Spacecraft engaged in practical applications and uses of space technology such as weather or communications			
2010-062A	STPSat 2 (USA 217)	20 November 2010	_	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications			
2010-062B	RAX (USA 218)	20 November 2010	_	97.7	71.9	654	651	Spacecraft engaged in practical applications and uses of space technology such as weather or communications			
2010-062C	O/OREOS (USA 219)	20 November 2010	_	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications			
2010-062D	FASTSAT- HSV01 (USA 220)	20 November 2010	-	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications			
2010-062E	FALCONSAT (USA 221)	20 November 2010	-	97.6	71.9	655	633	Spacecraft engaged in practical applications and uses of space technology such as weather or communications			
2010-062F	FAST 1 (USA 222)	20 November 2010	-	97.5	71.9	655	628	Spacecraft engaged in practical applications and uses of space technology such as weather or communications			
2010-062G	Minotaur R/B	20 November 2010	_	97.6	71.9	655	633	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects			

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				Basic orbital characteristics					
International designation	Name of space object	Date of launch	Location of launch	Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object	
2010-062H	HAPS R/B	20 November 2010	_	111.7	72.0	1 204	1 200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects	
2010-062J	Ballast A	20 November 2010	_	109.4	72.0	1 204	1 200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects	
2010-062K	Ballast B	20 November 2010	-	109.4	72.0	1 204	1 200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects	
2010-063A	USA 223	21 November 2010	_	692.2	26.5	35 678	214	Spacecraft engaged in practical applications and uses of space technology such as weather or communications	
2010-063B	Delta 4 R/B	21 November 2010	-	629.2	26.5	35 678	214	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 30 November 2010.									
None.									
The following	g objects achieve	d orbit since the last	t report but we	ere no longer i	n orbit as at	2400Z on 3	30 Novem	ber 2010:	
None.									
The following	g objects identifie	ed in a previous repo	ort were no lo	nger in orbit as	s at 2400Z c	on 30 Nove	mber 2010):	
None.									
The following objects were launched since the last report but did not achieve orbit: None.									
Revisions that	t should be made	to previously report	ted data:						
None.									