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## Committee on the Peaceful Uses of Outer Space

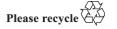
# Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 22 February 2010 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 November and December 2009 (see annexes I and II).

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### Annex I

## Registration data on space launches by the United States of America for November 2009\*

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

				В	asic orbital ch	aracteristics		
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 object was launched	since the last repor	t and remains ir	n orbit:				
2009-064B	Atlas 5 Centaur R/B	23 November 2009	-	812.8	22.8	38 801	6 143	Spent boosters, spent manoeuvring stages shrouds and other non-functional objects
The following	g objects not previous	sly reported have be	en identified sin	ice the last repo	ort:			
None.								
The following None.	g objects not previous	sly reported have be	en identified sin	ice the last repo	ort but were i	no longer in	orbit as at	2400Z on 30 November 2009:
TVOIIC.								
	g object achieved orbi	it since the last repo	rt but was no lo	nger in orbit as	at 2400Z or	n 30 Nover	nber 2009	:
	g object achieved orbi STS-129	it since the last repo 16 November 2009	ort but was no lo –	nger in orbit as	at 2400Z or 51.6	n 30 Nover 234	mber 2009 157	: Reusable space transportation systems
The following 2009-062A  The following	2 3	16 November 2009 a previous report w	_	88.4	51.6	234	157	
The following 2009-062A  The following 2006-0	STS-129 g objects identified in	16 November 2009 a previous report w 2009-043B	ere no longer ir	88.4 n orbit as at 240	51.6	234	157	
The following 2009-062A  The following 2006-0	STS-129 g objects identified in 150AB, 2009-038D, 2	16 November 2009 a previous report w 2009-043B	ere no longer ir	88.4 n orbit as at 240	51.6	234	157	
The following 2009-062A  The following 2006-0  The following None.	STS-129 g objects identified in 150AB, 2009-038D, 2	16 November 2009 a previous report w 2009-043B ed since the last rep	ere no longer in ort but did not a	88.4 n orbit as at 240	51.6	234	157	

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

#### Annex II

### Registration data on space launches by the United States of America for December 2009\*

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

		Date of launch	Location of launch	Basic orbital characteristics				
International designation	Name of space object			Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object
The following	g objects were lau	nched since the la	st report and i	emain in orbit	:			
2009-068A	WGS F3 (USA 211)	6 December 2009	_	1 212.5	24.0	62 152	424	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-068B	Delta 4 R/B	6 December 2009	_	1 286.2	23.8	65 089	507	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-071A	WISE	14 December 2009	_	95.1	97.5	543	538	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2009-071B	Delta 2 R/B	14 December 2009	_	246.1	97.5	11 109	2 152	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-071C	WISE debris (Lens Cover)	14 December 2009	_	95.2	97.5	531	526	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2009-075A	DirecTV 12	29 December 2009	_	634.9	45.5	35 816	405	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 objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z on 31 December 2009:

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z on 31 December 2009: None.

The following objects identified in a previous report were no longer in orbit as at 2400Z on 31 December 2009: 1993-032D, 1993-050B

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

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