



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 28 June 2004 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 May 2004 (see annex).



Registration data on space launches by the United States of America for May 2004*

May 2004

1. The following report supplements the registration data on United States launches as at 31 May 2004. 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:							
2004-016A	DIRECTV 7S	4 May 2004	1 436.09	0.00	35 789	35 784	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2004-017A	AMC 11 (GE 11)	19 May 2004	1 436.09	0.03	35 792	35 781	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2004-017B	Atlas 2AS Centaur R/B	19 May 2004	622.76	12.48	35 362	196	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2004-018B	Taurus R/B	20 May 2004	99.42	99.11	742	720	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:							
1964-083N	Transit SE-5 debris	13 December 1964	105.80	89.87	1 065	999	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1968-055L	Delta 1 debris	4 July 1968	137.35	120.6	4 173	707	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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

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			<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
1978-096H	TIROS N debris	13 October 1978	101.00	98.50	843	773	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082F	DMSP 5D-2 F11 debris	28 November 1991	101.17	98.71	877	751	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082G	DMSP 5D-2 F11 debris	28 November 1991	100.62	98.65	982	594	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082H	DMSP 5D-2 F11 debris	28 November 1991	101.25	98.67	880	756	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082J	DMSP 5D-2 F11 debris	28 November 1991	101.38	98.63	863	786	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082K	DMSP 5D-2 F11 debris	28 November 1991	101.74	98.68	915	767	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082L	DMSP 5D-2 F11 debris	28 November 1991	101.85	98.67	893	799	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082M	DMSP 5D-2 F11 debris	28 November 1991	101.75	98.67	851	832	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082N	DMSP 5D-2 F11 debris	28 November 1991	101.74	98.60	871	811	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082P	DMSP 5D-2 F11 debris	28 November 1991	102.00	98.74	877	830	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082Q	DMSP 5D-2 F11 debris	28 November 1991	101.11	98.72	833	790	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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1991-082R	DMSP 5D-2 F11 debris	28 November 1991	101.74	98.66	850	832	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082S	DMSP 5D-2 F11 debris	28 November 1991	101.59	98.23	855	813	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082T	DMSP 5D-2 F11 debris	28 November 1991	101.03	98.46	856	759	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082U	DMSP 5D-2 F11 debris	28 November 1991	102.20	98.68	892	834	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082V	DMSP 5D-2 F11 debris	28 November 1991	101.79	98.69	855	832	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082W	DMSP 5D-2 F11 debris	28 November 1991	101.35	98.71	834	811	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082X	DMSP 5D-2 F11 debris	28 November 1991	101.68	98.65	846	830	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082Y	DMSP 5D-2 F11 debris	28 November 1991	101.37	98.47	969	678	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082Z	DMSP 5D-2 F11 debris	28 November 1991	101.71	98.66	848	830	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AA	DMSP 5D-2 F11 debris	28 November 1991	102.06	98.66	883	829	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AB	DMSP 5D-2 F11 debris	28 November 1991	100.09	98.97	850	676	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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1991-082AC	DMSP 5D-2 F11 debris	28 November 1991	103.93	98.69	1 058	831	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AD	DMSP 5D-2 F11 debris	28 November 1991	98.98	99.01	838	582	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AE	DMSP 5D-2 F11 debris	28 November 1991	102.14	98.95	956	764	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AF	DMSP 5D-2 F11 debris	28 November 1991	102.35	98.78	924	815	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AG	DMSP 5D-2 F11 debris	28 November 1991	102.26	98.59	923	808	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AH	DMSP 5D-2 F11 debris	28 November 1991	102.33	98.80	917	821	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AJ	DMSP 5D-2 F11 debris	28 November 1991	101.69	98.66	845	832	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AK	DMSP 5D-2 F11 debris	28 November 1991	103.39	98.58	1 006	832	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AL	DMSP 5D-2 F11 debris	28 November 1991	102.92	98.75	977	817	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AM	DMSP 5D-2 F11 debris	28 November 1991	101.72	98.68	850	830	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AN	DMSP 5D-2 F11 debris	28 November 1991	103.03	98.63	974	830	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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1991-082AP	DMSP 5D-2 F11 debris	28 November 1991	102.64	98.79	939	828	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AQ	DMSP 5D-2 F11 debris	28 November 1991	102.02	98.65	880	829	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AR	DMSP 5D-2 F11 debris	28 November 1991	102.98	98.80	977	822	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AS	DMSP 5D-2 F11 debris	28 November 1991	102.94	98.76	973	822	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AT	DMSP 5D-2 F11 debris	28 November 1991	102.87	98.75	966	822	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AU	DMSP 5D-2 F11 debris	28 November 1991	100.76	98.70	835	755	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AV	DMSP 5D-2 F11 debris	28 November 1991	102.50	98.77	928	826	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AW	DMSP 5D-2 F11 debris	28 November 1991	101.72	98.67	849	831	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AX	DMSP 5D-2 F11 debris	28 November 1991	102.58	98.66	951	811	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AY	DMSP 5D-2 F11 debris	28 November 1991	101.77	98.64	854	831	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082AZ	DMSP 5D-2 F11 debris	28 November 1991	101.46	98.51	871	785	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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1991-082BA	DMSP 5D-2 F11 debris	28 November 1991	101.69	98.57	892	786	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BB	DMSP 5D-2 F11 debris	28 November 1991	101.74	98.67	852	831	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BC	DMSP 5D-2 F11 debris	28 November 1991	101.80	98.63	928	760	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BD	DMSP 5D-2 F11 debris	28 November 1991	102.09	98.64	886	830	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BE	DMSP 5D-2 F11 debris	28 November 1991	102.33	98.58	934	803	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BF	DMSP 5D-2 F11 debris	28 November 1991	102.83	98.72	967	818	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BG	DMSP 5D-2 F11 debris	28 November 1991	102.91	98.81	966	826	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BH	DMSP 5D-2 F11 debris	28 November 1991	101.67	98.65	844	831	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BJ	DMSP 5D-2 F11 debris	28 November 1991	104.02	98.64	1 066	831	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BK	DMSP 5D-2 F11 debris	28 November 1991	101.76	98.69	853	831	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BL	DMSP 5D-2 F11 debris	28 November 1991	101.82	98.66	961	729	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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1991-082BM	DMSP 5D-2 F11 debris	28 November 1991	101.76	98.67	855	829	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-082BN	DMSP 5D-2 F11 debris	28 November 1991	102.82	98.76	959	826	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2000-071D	PAM D debris	10 November 2000	289.76	38.98	16 055	199	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 31 May 2004:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 May 2004:

None.

The following objects identified in a previous report were no longer in orbit as at 2400Z 31 May 2004:

1961-015MH, 1979-017GX, 2000-065B, 2004-014B

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.