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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 14 November 1989 from the Permanent  
Representative of the United States of America to the  
United Nations addressed to the Secretary-General

The Permanent Representative of the United States of America to the United Nations presents his compliments to the Secretary-General of the United Nations and, in accordance with article IV of the 1975 Convention on Registration of Objects Launched into Outer Space, has the honour to transmit the registration data for the United States space launches for September, October, November and December 1988.

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for  
the United States space launches as of 30 September 1988

All launches were made from the territory of the United States unless otherwise specified

International designation	Date of launch	Nodal period	Inclination (deg.)	Apogee (km)	Perigee (km)	General function of space object
<u>The following objects were launched since the last report and remain in orbit:</u>						
1988-077A	2 Sep. 88	99.8	29.3	14 103	151	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1988-077B	2 Sep. 88	99.8	29.3	14 103	151	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1988-077C	2 Sep. 88	99.8	29.3	14 103	151	Ditto
1988-078A	5 Sep. 88	89.3	85.0	292	185	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1988-078B	5 Sep. 88	89.3	85.0	292	185	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1988-081A	8 Sep. 88	983.2	1.5	36 155	16 593	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1988-081B	8 Sep. 88	1 436.1	0.0	35 788	35 788	Ditto
1988-089A	24 Sep. 88	102.0	98.9	862	846	Ditto
1988-089B	24 Sep. 88	102.0	98.9	856	849	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1988-089C	24 Sep. 88	102.0	98.9	860	848	Ditto
1988-091A	29 Sep. 88	91.0	28.5	336	306	Reusable space transportation systems
1988-091B	29 Sep. 88	1 434.8	0.1	35 893	35 719	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Date of launch	Nodal period	Inclination (deg.)	Apogee (km)	Perigee (km)	General function of space object
1988-091C	29 Sep. 88	633.0	26.7	35 801	286	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1988-091D	29 Sep. 88	1 433.5	2.3	35 798	35 673	Ditto

The following objects not previously reported have been identified since the last report:

1961-OMI295	29 Jun. 61	100.8	66.4	899	697	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-027AU	3 Apr. 65	111.4	90.3	1 311	1 270	Ditto
1967-001AN	11 Jan. 67	529.2	26.9	30 070	517	Ditto
1973-086HE	6 Nov. 73	116.6	102.1	1 550	1 505	Ditto
1977-065FZ	14 Jul. 77	105.8	28.4	1 524	539	Ditto
1977-065GA	14 Jul. 77	111.9	28.8	2 002	624	Ditto
1988-074D	24 Aug. 88	107.4	89.9	1 180	1 030	Ditto
1981-070L	3 Aug. 81	409.2	89.2	23 203	559	Ditto
1988-074E	24 Aug. 88	107.3	90.0	1 173	1 031	Ditto

The following objects are no longer in orbit as of 2400Z on 31 September 1988:

1961-OMI263  
1965-082QZ  
1988-052E

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The following objects not previously reported have been identified since the last report:

1965-027AV	3 Apr. 65	111.4	90.3	1 320	1 262	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-027AW	3 Apr. 65	111.3	90.3	1 311	1 263	Ditto
1967-001AQ	11 Jan. 67	439.3	26.9	25 143	382	Ditto
1967-001AP	11 Jan. 67	532.0	26.5	30 170	571	Ditto
1969-082LF	30 Sep. 69	100.8	70.1	838	752	Ditto
1973-086HF	6 Nov. 73	116.9	102.2	1 576	1 503	Ditto
1978-026HN	5 Mar. 78	106.2	98.8	1 226	879	Ditto
1984-088H	16 Aug. 84	133.7	28.7	4 010	554	Ditto
1988-074F	25 Aug. 88	107.3	89.4	1 173	1 029	Ditto
1988-074G	25 Aug. 88	107.3	90.5	1 172	1 033	Ditto

The following objects are no longer in orbit as of 2400Z on 31 October 1988:

1965-082LJ  
1969-082EM  
1970-025LD  
1970-025NA  
1972-058BZ  
1988-052D

International designation	Date of launch	Nodal period	Inclination (deg.)	Apogee (km)	Perigee (km)	General function of space object
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The following objects identified in a previous report are no longer in orbit as of 2400Z on 31 October 1988:

- 1970-025KF
- 1974-089EV
- 1976-077BX
- 1978-026HC
- 1988-091A

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International designation	Date of launch	Nodal period	Inclination (deg.)	Apogee (km)	Perigee (km)	General function of space object
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The following objects were launched since the last report and remain in orbit:

1988-099A	6 Nov. 88	96.4	97.9	1 012	156	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1988-099B	6 Nov. 88	96.3	97.9	1 008	154	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report:

1961-OMI296	29 Jul. 61	101.6	66.6	888	783	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1977-077GB	14 Jul. 77	119.3	31.0	2 271	1 030	Ditto

The following objects are no longer in orbit as of 2400Z on 30 November 1988:

1961-OMI147

The following objects identified in a previous report are no longer in orbit as of 2400Z on 30 November 1988:

1970-025LD  
 1970-025LS  
 1970-025NA  
 1972-058P  
 1972-058BZ  
 1978-096D  
 1978-098C  
 1981-070C  
 1982-004B

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International designation	Date of launch	Nodal period	Inclination (deg.)	Apogee (km)	Perigee (km)	General function of space object
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The following objects were launched since the last report and remain in orbit:

1988-106B	2 Dec. 88	93.4	57.0	447	437	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
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The following objects not previously reported have been identified since the last report:

1965-027AX	3 Apr. 65	111.4	96.3	1 311	1 267	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1970-025QC	8 Apr. 70	112.9	99.7	1 638	1 084	Ditto

The following objects achieved orbit since the last report, but are no longer in orbit as of 2400Z on 31 December 1988:

1988-106A	2 Dec. 88	93.6	57.0	453	443	Space transportation system
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The following objects are no longer in orbit as of 2400Z on 31 December 1988:

1961-OMI286  
1965-082PE  
1969-0882Q  
1981-070C

The following objects identified in a previous report are no longer in orbit as of 2400Z on 31 December 1988:

1970-025BD  
1970-025NZ  
1982-105B