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COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH GENERAL ASSEMBLY
RESOLUTION 1721 B (XVI) BY STATES LAUNCHING OBJECTS INTO
ORBIT OR BEYOND

Letter dated 3 September 1963 from the Deputy Permanent Representative
of the United States of America addressed to the Secretary-General

In accordance with the provisions of paragraphs 1 and 2 of General Assembly resolution 1721 B (XVI), I enclose a comprehensive report constituting a complete registration of all United States space vehicles in orbit or beyond, together with their orbital characteristics revised as of 30 June 1963. Such a comprehensive report was last submitted by the United States under cover of a letter to Your Excellency dated 1 March 1963 and similar reports, in addition to the regular twice monthly registration, will continue to be submitted semi-annually.

(Signed) Charles W. YOST

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

As of 30 June 1963

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International Designation	Launch Vehicle	Satellite Category	Date of Launch	Nodal Period	Inclination	Apogee (Kilometres)	Perigee (Kilometres)	
1958 Alpha 1	Jupiter C	B	1 Feb 58	104.9	33.18	1698	301	
1958 Beta 1	Vanguard	D	17 Mar 58	138.2	34.25	4332	636	
1958 Beta 2	Vanguard	B	17 Mar 58	133.9	34.24	3933	664	
1959 Alpha 1	Vanguard	B	17 Feb 59	125.2	32.87	3274	568	
1959 Alpha 2	Vanguard	D	17 Feb 59	129.7	32.90	3676	557	
1959 Eta 1	Vanguard	B	18 Sep 59	129.7	33.35	3721	516	
1959 Nu 1*	Juno II	B	3 Mar 59	398 D	1.30	1.142AU	0.9871AU	
1959 Iota 1	Juno II	B	13 Oct 59	101.1	50.32	1053	574	
1959 Iota 2	Juno II	D	13 Oct 59	100.9	50.30	1074	534	
1960 Alpha 1*	Thor Able	B	11 Mar 60	312 D	3.35	0.955AU	0.8061AU	
1960 Beta 1	Thor Able	D	1 Apr 60	99.0	48.35	737	697	
1960 Beta 2	Thor Able	C	1 Apr 60	99.1	48.35	739	702	
1960 Beta 3	Thor Able	D	1 Apr 60	97.8	48.47	673	643	
1960 Beta 4	Thor Able	D	1 Apr 60	99.8	48.14	818	689	
1960 Gamma 2	Thor Able Star	C	13 Apr 60	94.2	51.20	614	349	
1960 Gamma 4	Thor Able Star	D	13 Apr 60	96.7	51.25	718	491	
1960 Zeta 1	Atlas Agena	A	24 May 60	94.2	33.04	503	470	
1960 Eta 1	Thor Able Star	C	22 Jun 60	101.6	66.70	1054	616	
1960 Eta 2	Thor Able Star	B	22 Jun 60	101.6	66.70	1048	620	
1960 Eta 3	Thor Able Star	D	22 Jun 60	101.4	66.66	1027	623	
1960 Iota 1	Thor Delta	C	12 Aug 60	115.1	47.28	1853	1072	
1960 Iota 2	Thor Delta	D	12 Aug 60	118.0	47.23	1679	1509	
1960 Iota 3	Thor Delta	D	12 Aug 60	118.2	47.22	1686	1517	
1960 Iota 4	Thor Delta	D	12 Aug 60	----- INSUFFICIENT OBSERVATIONS -----				
1960 Iota 5	Thor Delta	D	12 Aug 60	118.3	47.28	1671	1549	
1960 XI 1	Juno II	B	3 Nov 60	112.3	49.90	2271	402	
1960 XI 2	Juno II	D	3 Nov 60	112.0	49.91	2226	415	

Satellite Category

- A. Development of spaceflight techniques and technology
- B. Space research and exploration
- C. Practical applications of space based technology
- D. Non-functional objects

Nodal Period in minutes

Inclination to equator in degrees

International Designation	Launch Vehicle	Satellite Category	Date of Launch	Nodal Period	Inclination	Apogee (Kilometres)	Perigee (Kilometres)	
1960 XI 3	Juno II	D	3 Nov 60	109.8	49.35	2051	394	
1960 XI 4	Juno II	D	3 Nov 60	110.8	50.52	2121	415	
1960 PI 1	Delta	C	23 Nov 60	98.2	48.49	720	629	
1960 PI 2	Delta	D	23 Nov 60	98.0	48.47	694	643	
1960 PI 3	Delta	D	23 Nov 60	98.1	48.51	717	626	
1960 PI 4	Delta	D	23 Nov 60	98.2	48.45	713	643	
1961 Alpha 1	Atlas Agena	A	31 Jan 61	94.8	97.42	549	464	
1961 Alpha 2	Atlas Agena	D	31 Jan 61	94.7	97.42	540	467	
1961 Delta 1	Scout	B	16 Feb 61	116.5	38.89	2560	502	
1961 Delta 2	Scout	D	16 Feb 61	118.4	38.84	2585	644	
1961 Delta 3	Scout	D	16 Feb 61	----- INSUFFICIENT OBSERVATIONS -----				
1961 Kappa 1	Thor Delta	B	25 Mar 61	----- POSITION UNCERTAIN -----				
1961 Nu 1	Juno II	B	27 Apr 61	107.8	28.76	1776	490	
1961 Omicron 1	Thor Able Star	C	29 Jun 61	103.8	66.81	3985	893	
1961 Omicron 2	Thor Able Star	A	29 Jun 61	103.8	66.81	3989	890	
1961 Omicron 3	Thor Able Star	D	29 Jun 61	103.3	66.76	987.7	848.5	
1961 Rho 1	Thor Delta	C	12 Jul 61	100.3	47.88	814	742	
1961 Rho 2	Thor Delta	D	12 Jul 61	100.3	47.89	805	745	
1961 Rho 3	Thor Delta	D	12 Jul 61	98.8	47.93	807	601	
1961 Rho 4	Thor Delta	D	12 Jul 61	101.9	47.84	929	779	
1961 Sigma 1	Atlas Agena	A	12 Jul 61	161.5	91.23	3490	3399	
1961 Sigma 3	Atlas Agena	D	12 Jul 61	161.2	91.20	3544	3318	
1961 Sigma 4	Atlas Agena	D	12 Jul 61	161.9	91.23	3551	3371	
1961 Upsilon 1	Delta	B	16 Aug 61	----- INSUFFICIENT OBSERVATIONS -----				
1961 A-Delta 1	Atlas Agena	A	21 Oct 61	166.0	95.89	3691	3561	
1961 A-Delta 3	Atlas Agena	D	21 Oct 61	165.6	95.93	3684	3536	
1961 A-Delta 4	Atlas Agena	D	21 Oct 61	165.4	95.88	3772	3513	
1961 A-Eta 1	Thor Able Star	C	15 Nov 61	105.6	32.42	1114	948	
1961 A-Eta 2	Thor Able Star	B	15 Nov 61	105.6	32.44	1105	958	
1961 A-Eta 3	Thor Able Star	D	15 Nov 61	105.5	32.43	1103	946	
1962 Alpha 1*	Atlas Agena	B	26 Jan 62	406.4D	.3988	1.163AU	0.9839AU	
1962 Alpha 2	Atlas Agena	D	26 Jan 62	----- INSUFFICIENT OBSERVATIONS -----				
1962 Beta 1	Delta	C	8 Feb 62	100.3	48.26	858	695	
1962 Beta 2	Delta	D	8 Feb 62	101.3	48.15	939	707	
1962 Beta 3	Delta	D	8 Feb 62	99.4	48.42	773	694	
1962 Beta 4	Delta	D	8 Feb 62	100.2	48.30	828	719	

International Designation	Launch Vehicle	Satellite Category	Date of Launch	Nodal Period	Inclination	Apogee (Kilometres)	Perigee (Kilometres)
1962 Zeta 1	Thor Delta	B	7 Mar 62	95.9	32.82	593	547
1962 Zeta 2	Thor Delta	D	7 Mar 62	95.9	32.82	594	548
1962 Kappa 1	Atlas	B	9 Apr 62	153.0	86.71	3367	2828
1962 Kappa 3	Atlas	D	9 Apr 62	152.7	86.55	3342	2821
1962 Kappa 4	Atlas	D	9 Apr 62	153.4	86.64	3420	2804
1962 Mu 2	Atlas Agena	D	23 Apr 62	----- INSUFFICIENT OBSERVATIONS -----			
1962 Omicron 1	Delta	B	26 Apr 62	100.6	53.85	1201	382
1962 Omicron 2	Delta	D	26 Apr 62	100.6	53.83	1197	382
1962 Sigma 1	Thor Agena	A	15 May 62	92.0	82.33	460	274
1962 Omega 1	Thor Agena	A	18 Jun 62	91.1	82.12	336	312
1962 A-Alpha 1	Thor Delta	C	19 Jun 62	100.4	58.07	964	598
1962 A-Alpha 2	Thor Delta	D	19 Jun 62	100.4	58.07	953	602
1962 A-Alpha 3	Thor Delta	D	19 Jun 62	101.7	58.21	1081	602
1962 A-Alpha 4	Thor Delta	D	19 Jun 62	99.1	57.99	861	571
1962 A-Epsilon 1	Thor Delta	C	10 Jul 62	157.7	44.78	5641	944
1962 A-Epsilon 2	Thor Delta	D	10 Jul 62	157.5	44.81	5627	946
1962 Alpha Omicron 1	Blue Scout	A	23 Aug 62	99.6	98.66	861	612
1962 Alpha Omicron 2	Blue Scout	D	23 Aug 62	98.3	98.65	752	599
1962 Alpha Omicron 3	Blue Scout	D	23 Aug 62	100.9	98.62	962	632
1962 Alpha Omicron 4	Blue Scout	D	23 Aug 62	99.6	98.65	855	617
1962 A Rho 1*	Atlas Agena B	B	27 Aug 62	348D	1.66	1.299AU	0.7046AU
1962 A Rho 2	Atlas Agena B	D	27 Aug 62	----- INSUFFICIENT OBSERVATIONS -----			
1962 Alpha Upsilon 1	Thor Agena	A	1 Sep 62	93.3	82.82	572	298
1962 A Psi 1	Thor Delta	C	18 Sep 62	98.7	58.29	720	677
1962 A Psi 2	Thor Delta	D	18 Sep 62	98.7	58.29	717	674
1962 A Psi 3	Thor Delta	D	18 Sep 62	99.4	58.43	762	697
1962 A Psi 4	Thor Delta	D	18 Sep 62	98.0	58.21	678	652
1962 B Alpha 1	Thor Agena B	B	29 Sep 62	105.5	80.47	1036	997
1962 B Alpha 2	Thor Agena B	D	29 Sep 62	105.5	80.48	1032	996
1962 B Alpha 3	Thor Agena B	D	29 Sep 62	105.4	80.56	1022	1000
1962 B Alpha 4	Thor Agena B	D	29 Sep 62	105.5	80.46	1054	979
1962 B Gamma 1	Thor Delta	B	2 Oct 62	2184.6	39.08	97119	1669
1962 B Gamma 2	Thor Delta	D	2 Oct 62	----- INSUFFICIENT OBSERVATIONS -----			
1962 B Eta 1*	Atlas Agena B	B	18 Oct 62	370D	.44422	1.0681AU	0.9498AU
1962 B Eta 2	Atlas Agena B	D	18 Oct 62	----- INSUFFICIENT OBSERVATIONS -----			

International Designation	Launch Vehicle	Satellite Category	Date of Launch	Nodal Period	Inclination	Apogee (Kilometres)	Perigee (Kilometres)
1962 Beta Kappa 1	Thor Agena	A	26 Oct 62	142.5	71.38	5097	218
1962 B Lambda 1	Thor Delta	B	27 Oct 62	314.0	17.98	17561	308
1962 B Lambda 2	Thor Delta	D	27 Oct 62	-----	INSUFFICIENT OBSERVATIONS	-----	-----
1962 Beta Mu 1	Thor Able Star	B	31 Oct 62	107.8	50.14	1197	1063
1962 Beta Mu 2	Thor Able Star	D	31 Oct 62	107.5	50.14	1170	1062
1962 Beta Tau 1	Thor Agena	A	13 Dec 62	114.1	70.35	2588	235
1962 Beta Tau 2	Thor Agena	A	13 Dec 62	115.1	70.37	2678	236
1962 Beta Tau 3	Thor Agena	A	13 Dec 62	90.6	70.22	397	205
1962 Beta Tau 4	Thor Agena	A	13 Dec 62	112.9	70.46	2474	7246
1962 Beta Tau 5	Thor Agena	A	13 Dec 62	114.0	70.37	2584	232
1962 Beta Tau 6	Thor Agena	D	13 Dec 62	114.8	70.37	2653	235
1962 B Upsilon 1	Thor Delta	C	13 Dec 62	185.0	47.52	7444	1317
1962 B Upsilon 2	Thor Delta	D	13 Dec 62	184.8	47.54	7410	1334
1962 B Chi 1	Scout	B	16 Dec 62	104.3	51.99	1171	759
1962 Beta Psi 1	Scout	A	19 Dec 62	99.2	90.63	738	692
1962 Beta Psi 2	Scout	D	19 Dec 62	97.9	90.70	743	567
1962 Beta Psi 3	Scout	D	19 Dec 62	99.1	90.62	730	700
1962 Beta Psi 4	Scout	D	19 Dec 62	100.3	90.45	845	693
1963-3-A	Thor Agena	A	16 Jan 63	94.6	81.89	530	465
1963-3-B	Thor Agena	D	16 Jan 63	93.7	81.88	478	423
1963-3-C	Thor Agena	D	16 Jan 63	94.0	81.89	512	427
1963 4A	Thor Delta	C	14 Feb 63	1426.4	33.51	37014	34185
1963 4B	Thor Delta	D	14 Feb 63	603.4	33.12	34327	248
1963-5-A	Blue Scout	A	19 Feb 63	97.8	100.49	802	498
1963-5-B	Blue Scout	D	19 Feb 63	97.8	100.49	804	494
1963-5-C	Blue Scout	D	19 Feb 63	97.1	100.47	771	460
1963-5-D	Blue Scout	D	19 Feb 63	98.4	100.49	850	514
1963 9A	Thor Delta	B	3 Apr 63	96.1	57.63	879	263
1963 9B	Thor Delta	D	3 Apr 63	94.5	57.64	729	263
1963 13A	Thor Delta	C	7 May 63	225.2	42.72	10802	970
1963 13B	Thor Delta	D	7 May 63	224.9	42.67	10823	932
1963-14-A	Atlas Agena	A	9 May 63	166.5	87.38	3717	3572
1963-14-B	Atlas Agena	A	9 May 63	166.5	87.43	3687	3604
1963-14-C	Atlas Agena	A	9 May 63	166.5	87.34	3680	3610
1963-14-D	Atlas Agena	D	9 May 63	166.5	87.42	3678	3610
1963-14-E	Atlas Agena	D	9 May 63	166.1	87.36	3662	3598

International Designation	Launch Vehicle	Satellite Category	Date of Launch	Nodal Period	Inclination	Apogee (Kilometres)	Perigee (Kilometres)
1963-19-A	Thor Agena	A	12 Jun 63	90.0	81.81	369	178
1963-21-A	Thor Agena	D	15 Jun 63	94.5	69.87	806	177
1963-21-B	Thor Agena	A	15 Jun 63	93.7	69.91	723	183
1963-21-C	Thor Agena	A	15 Jun 63	94.1	69.79	772	177
1963-21-D	Thor Agena	A	15 Jun 63	94.1	68.89	784	166
1963-21-E	Thor Agena	A	15 Jun 63	94.0	69.92	759	177
1963-21-F	Thor Agena	A	15 Jun 63	91.7	69.82	548	164
1963-22-A	Scout	A	16 Jun 63	99.8	90.01	764	725
1963-22-B	Scout	D	16 Jun 63	99.8	90.01	764	724
1963-22-C	Scout	D	16 Jun 63	101.3	90.01	912	722
1963-22-D	Scout	D	16 Jun 63	98.3	90.01	674	673
1963 24A	Thor Delta	C	19 Jun 63	97.4	58.22	652	620
1963 24B	Thor Delta	D	19 Jun 63	97.4	58.24	651	616
1963 24C	Thor Delta	D	19 Jun 63	97.9	58.40	690	626
1963 24D	Thor Delta	D	19 Jun 63	96.9	58.10	647	575
1963-25-A	Thor Agena	A	27 Jun 63	90.5	81.58	397	199
1963-26-A	Scout	A	28 Jun 63	102.05	49.75	13.04	430
1963-27-A	Thor Agena	A	29 Jun 63	94.9	82.36	580	502
1963-27-B	Thor Agena	D	29 Jun 63	94.8	82.33	528	489
1963-27-C	Thor Agena	D	29 Jun 63	91.03	82.31	471	190

* Aphelion perihelion in astronomical units, inclination to ecliptic.