



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

Note verbale dated 7 January 2025 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), 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 objects launched into outer space by the United States for October 2024 (see annex).¹

The United States requests that the space objects contained in the annex to the present document be placed on the Register of Objects Launched into Outer Space maintained by the United Nations. In submitting this request, the United States notes that, consistent with its long-standing registration practice, the United States is not necessarily a launching State for each of the space objects it registers. The United States makes this request in the spirit of contributing to the practical effectiveness of the treaties and is providing information to the greatest extent practicable.

¹ The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 14 January 2025.



Registration data on space launches by the United States of America for October 2024*

The following report supplements the registration data on United States space launches as at 31 October 2024.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
The following objects were launched after the last report and remained in orbit as at 2359Z on 31 October 2024:									
2024-179A	Vulcan Centaur R/B	4 October 2024	AFETR	94.52	30	498	492	D	-
2024-180B	Falcon 9 R/B	7 October 2024	AFETR		Heliocentric orbit			D	-
2024-182A	Europa Clipper	14 October 2024	AFETR		Heliocentric orbit			C	-
2024-182B	Falcon Heavy R/B	14 October 2024	AFETR		Heliocentric orbit			D	-
2024-183A	Starlink-32174	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183B	Starlink-32139	15 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-183C	Starlink-32140	15 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-183D	Starlink-32201	15 October 2024	AFETR	93.28	53.16	436	434	C	-
2024-183E	Starlink-32030	15 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-183F	Starlink-31837	15 October 2024	AFETR	92.94	53.16	419	418	C	-
2024-183G	Starlink-32136	15 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-183H	Starlink-32047	15 October 2024	AFETR	92.94	53.16	420	417	C	-
2024-183J	Starlink-31756	15 October 2024	AFETR	93.42	53.16	443	441	C	-
2024-183K	Starlink-32172	15 October 2024	AFETR	92.94	53.16	419	418	C	-
2024-183L	Starlink-32338	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183M	Starlink-32306	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183N	Starlink-32297	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183P	Starlink-32260	15 October 2024	AFETR	92.94	53.16	419	418	C	-
2024-183Q	Starlink-32305	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183R	Starlink-32296	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183S	Starlink-32298	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183T	Starlink-32293	15 October 2024	AFETR	92.94	53.16	419	418	C	-

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

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2024-183U	Starlink-32313	15 October 2024	AFETR	92.94	53.16	420	418	C	-
2024-183V	Starlink-32319	15 October 2024	AFETR	92.94	53.16	419	418	C	-
2024-183W	Starlink-32351	15 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-183X	Starlink-32261	15 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-183Y	Starlink-32358	15 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-184A	Starlink-11354	15 October 2024	AFWTR	91.33	53.15	340	339	C	-
2024-184B	Starlink-11323	15 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-184C	Starlink-11338	15 October 2024	AFWTR	91.33	53.16	341	339	C	-
2024-184D	Starlink-11362	15 October 2024	AFWTR	91.33	53.15	340	339	C	-
2024-184E	Starlink-11295	15 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-184F	Starlink-11331	15 October 2024	AFWTR	91.33	53.16	341	339	C	-
2024-184G	Starlink-11325	15 October 2024	AFWTR	91.33	53.15	340	339	C	-
2024-184H	Starlink-11332	15 October 2024	AFWTR	91.33	53.16	341	339	C	-
2024-184J	Starlink-11350	15 October 2024	AFWTR	91.33	53.15	341	339	C	-
2024-184K	Starlink-11357	15 October 2024	AFWTR	91.33	53.15	340	339	C	-
2024-184L	Starlink-11322	15 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-184M	Starlink-11364	15 October 2024	AFWTR	91.33	53.15	340	339	C	-
2024-184N	Starlink-11349	15 October 2024	AFWTR	91.33	53.16	341	339	C	-
2024-184P	Starlink-32406	15 October 2024	AFWTR	93.53	53.16	448	446	C	-
2024-184Q	Starlink-32445	15 October 2024	AFWTR	93.53	53.16	448	447	C	-
2024-184R	Starlink-32411	15 October 2024	AFWTR	93.53	53.16	448	446	C	-
2024-184S	Starlink-32424	15 October 2024	AFWTR	93.53	53.16	448	447	C	-
2024-184T	Starlink-32389	15 October 2024	AFWTR	93.53	53.16	448	446	C	-
2024-184U	Starlink-32476	15 October 2024	AFWTR	93.53	53.16	448	447	C	-
2024-184V	Starlink-32366	15 October 2024	AFWTR	93.53	53.16	448	446	C	-
2024-187A	Starlink-11356	18 October 2024	AFETR	91.33	53.16	340	339	C	-
2024-187B	Starlink-11376	18 October 2024	AFETR	91.33	53.16	341	339	C	-
2024-187C	Starlink-11372	18 October 2024	AFETR	91.33	53.16	340	339	C	-
2024-187D	Starlink-11375	18 October 2024	AFETR	91.33	53.16	342	338	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2024-187E	Starlink-11285	18 October 2024	AFETR	91.33	53.15	341	339	C	-
2024-187F	Starlink-11275	18 October 2024	AFETR	91.33	53.16	340	339	C	-
2024-187G	Starlink-11342	18 October 2024	AFETR	91.33	53.15	341	339	C	-
2024-187H	Starlink-11374	18 October 2024	AFETR	91.33	53.16	340	339	C	-
2024-187J	Starlink-11373	18 October 2024	AFETR	91.33	53.16	340	339	C	-
2024-187K	Starlink-11368	18 October 2024	AFETR	91.33	53.15	341	339	C	-
2024-187L	Starlink-11370	18 October 2024	AFETR	91.33	53.16	341	339	C	-
2024-187M	Starlink-11361	18 October 2024	AFETR	91.33	53.16	340	339	C	-
2024-187N	Starlink-11360	18 October 2024	AFETR	91.33	53.16	340	339	C	-
2024-187P	Starlink-32353	18 October 2024	AFETR	93.53	53.16	448	447	C	-
2024-187Q	Starlink-32325	18 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-187R	Starlink-32416	18 October 2024	AFETR	93.53	53.16	448	447	C	-
2024-187S	Starlink-32413	18 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-187T	Starlink-32409	18 October 2024	AFETR	93.53	53.16	448	447	C	-
2024-187U	Starlink-32422	18 October 2024	AFETR	93.53	53.16	448	447	C	-
2024-187V	Starlink-32397	18 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-191A	Starlink-32302	23 October 2024	AFETR	93.37	43	440	438	C	-
2024-191B	Starlink-32364	23 October 2024	AFETR	93.18	43	431	429	C	-
2024-191C	Starlink-32331	23 October 2024	AFETR	93.46	43	445	443	C	-
2024-191D	Starlink-32398	23 October 2024	AFETR	92.91	43	419	414	C	-
2024-191E	Starlink-32365	23 October 2024	AFETR	93.34	43	439	437	C	-
2024-191F	Starlink-32333	23 October 2024	AFETR	93.47	43	445	443	C	-
2024-191G	Starlink-32399	23 October 2024	AFETR	92.87	43	416	414	C	-
2024-191H	Starlink-32421	23 October 2024	AFETR	92.87	43	416	414	C	-
2024-191J	Starlink-32403	23 October 2024	AFETR	92.88	43	416	415	C	-
2024-191K	Starlink-32390	23 October 2024	AFETR	92.87	43	416	414	C	-
2024-191L	Starlink-32348	23 October 2024	AFETR	93.46	43	445	443	C	-
2024-191M	Starlink-32455	23 October 2024	AFETR	93.47	43	445	443	C	-
2024-191N	Starlink-32396	23 October 2024	AFETR	93.46	43	445	443	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2024-191P	Starlink-32355	23 October 2024	AFETR	93.47	43	445	443	C	-
2024-191Q	Starlink-32370	23 October 2024	AFETR	93.47	43	445	443	C	-
2024-191R	Starlink-32405	23 October 2024	AFETR	93.47	43	445	443	C	-
2024-191S	Starlink-32419	23 October 2024	AFETR	92.88	43	417	414	C	-
2024-191T	Starlink-32320	23 October 2024	AFETR	93.47	43	445	443	C	-
2024-191U	Starlink-32341	23 October 2024	AFETR	93.08	43	426	424	C	-
2024-191V	Starlink-32339	23 October 2024	AFETR	93.47	43	445	444	C	-
2024-191W	Starlink-32327	23 October 2024	AFETR	93.45	43	444	442	C	-
2024-191X	Starlink-32264	23 October 2024	AFETR	93.46	43	445	443	C	-
2024-191Y	Starlink-32337	23 October 2024	AFETR	92.88	43	417	414	C	-
2024-192A	USA 421	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192B	USA 422	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192C	USA 423	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192D	USA 424	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192E	USA 425	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192F	USA 426	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192G	USA 427	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192H	USA 428	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192J	USA 429	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192K	USA 430	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192L	USA 431	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192M	USA 432	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192N	USA 433	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192P	USA 434	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192Q	USA 435	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192R	USA 436	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-192S	USA 437	24 October 2024	AFWTR	94.82	70	531	521	C	-
2024-193A	Starlink-32238	26 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-193B	Starlink-32310	26 October 2024	AFETR	93.53	53.16	448	447	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2024-193C	Starlink-32308	26 October 2024	AFETR	92.91	53.16	417	416	C	-
2024-193D	Starlink-32301	26 October 2024	AFETR	93.53	53.16	448	447	C	-
2024-193E	Starlink-32439	26 October 2024	AFETR	92.9	53.16	418	416	C	-
2024-193F	Starlink-32428	26 October 2024	AFETR	93.39	53.16	441	439	C	-
2024-193G	Starlink-32414	26 October 2024	AFETR	93.53	53.16	448	447	C	-
2024-193H	Starlink-32441	26 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-193J	Starlink-32400	26 October 2024	AFETR	92.9	53.16	418	416	C	-
2024-193K	Starlink-32449	26 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-193L	Starlink-32453	26 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-193M	Starlink-32443	26 October 2024	AFETR	93.53	53.16	448	446	C	-
2024-193N	Starlink-32417	26 October 2024	AFETR	93.45	53.16	444	443	C	-
2024-193P	Starlink-32326	26 October 2024	AFETR	93.32	53.16	438	436	C	-
2024-193Q	Starlink-32294	26 October 2024	AFETR	92.9	53.16	417	416	C	-
2024-193R	Starlink-32309	26 October 2024	AFETR	92.9	53.16	417	416	C	-
2024-193S	Starlink-32323	26 October 2024	AFETR	92.94	53.16	419	418	C	-
2024-193T	Starlink-32363	26 October 2024	AFETR	92.9	53.16	417	416	C	-
2024-193U	Starlink-32395	26 October 2024	AFETR	92.9	53.16	417	416	C	-
2024-193V	Starlink-32412	26 October 2024	AFETR	92.9	53.16	417	416	C	-
2024-193W	Starlink-32426	26 October 2024	AFETR	92.9	53.16	418	416	C	-
2024-193X	Starlink-32429	26 October 2024	AFETR	92.9	53.16	417	416	C	-
2024-195A	Starlink-11335	30 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-195B	Starlink-11344	30 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-195C	Starlink-11312	30 October 2024	AFWTR	91.33	53.16	341	338	C	-
2024-195D	Starlink-11340	30 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-195E	Starlink-11339	30 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-195F	Starlink-11315	30 October 2024	AFWTR	91.33	53.16	341	339	C	-
2024-195G	Starlink-11366	30 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-195H	Starlink-11348	30 October 2024	AFWTR	91.33	53.16	340	339	C	-
2024-195J	Starlink-11327	30 October 2024	AFWTR	91.32	53.16	339	339	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2024-195K	Starlink-11341	30 October 2024	AFWTR	91.2	53.16	334	333	C	-
2024-195L	Starlink-11346	30 October 2024	AFWTR	91.1	53.16	329	328	C	-
2024-195M	Starlink-11336	30 October 2024	AFWTR	90.96	53.16	322	321	C	-
2024-195N	Starlink-11296	30 October 2024	AFWTR	90.97	53.16	324	320	C	-
2024-195P	Starlink-32349	30 October 2024	AFWTR	92.72	53.16	408	407	C	-
2024-195Q	Starlink-32461	30 October 2024	AFWTR	92.72	53.16	408	407	C	-
2024-195R	Starlink-32299	30 October 2024	AFWTR	92.72	53.16	408	407	C	-
2024-195S	Starlink-32335	30 October 2024	AFWTR	92.72	53.16	408	407	C	-
2024-195T	Starlink-32387	30 October 2024	AFWTR	92.72	53.16	408	407	C	-
2024-195U	Starlink-32515	30 October 2024	AFWTR	92.72	53.16	408	407	C	-
2024-195V	Starlink-32533	30 October 2024	AFWTR	92.72	53.16	408	407	C	-
2024-196A	Starlink-32376	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196B	Starlink-32402	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196C	Starlink-32314	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196D	Starlink-32404	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196E	Starlink-32312	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196F	Starlink-32343	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196G	Starlink-32467	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196H	Starlink-32440	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196J	Starlink-32459	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196K	Starlink-32465	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196L	Starlink-32457	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196M	Starlink-32591	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196N	Starlink-32344	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196P	Starlink-32322	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196Q	Starlink-32469	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196R	Starlink-32438	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196S	Starlink-32540	30 October 2024	AFETR	90.9	53.15	319	318	C	-
2024-196T	Starlink-32528	30 October 2024	AFETR	92.12	53.16	379	378	C	-

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2024-196U	Starlink-32573	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196V	Starlink-32478	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196W	Starlink-32511	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196X	Starlink-32475	30 October 2024	AFETR	92.12	53.16	379	378	C	-
2024-196Y	Starlink-32442	30 October 2024	AFETR	92.12	53.16	379	378	C	-
The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 31 October 2024:									
2024-043AF	Jackal-01	4 March 2024	AFWTR	94.45	97.49	500	484	C	-
2024-043AN	Jackal-02	4 March 2024	AFWTR	94.42	97.49	499	482	C	-
2024-149CT	TROOP-F2	16 August 2024	AFWTR	94.53	97.43	500	492	C	-
2024-149CU	Flock 4BE 35	16 August 2024	AFWTR	94.63	97.43	504	498	C	-
2024-149CV	Flock 4BE 5	16 August 2024	AFWTR	94.63	97.44	504	497	C	-
2024-149CW	Flock 4BE 12	16 August 2024	AFWTR	94.6	97.43	503	495	C	-
2024-149CX	Flock 4BE 3	16 August 2024	AFWTR	94.61	97.43	505	495	C	-
2024-149CZ	Flock 4BE 19	16 August 2024	AFWTR	94.58	97.43	503	494	C	-
The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 31 October 2024:									
None.									
The following objects were launched after the last report but did not achieve orbit:									
None.									
The following objects identified in a previous report were no longer in orbit as at 2359Z on 31 October 2024:									
2023-054AF	-	-	-	-	-	-	-	-	12 August 2024
2013-066AD	-	-	-	-	-	-	-	-	1 October 2024
2022-002W	-	-	-	-	-	-	-	-	1 October 2024
2019-074A	-	-	-	-	-	-	-	-	2 October 2024
2023-084AR	-	-	-	-	-	-	-	-	2 October 2024
2021-006BS	-	-	-	-	-	-	-	-	3 October 2024
2010-048B	Minotaur 4 R/B	26 September 2024	-	-	-	-	-	-	4 October 2024
2021-012AA	-	-	-	-	-	-	-	-	4 October 2024
2023-054L	-	-	-	-	-	-	-	-	4 October 2024
2020-035R	-	-	-	-	-	-	-	-	5 October 2024

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2011-061D	-	-	-	-	-	-	-	-	6 October 2024
2018-099AD	-	-	-	-	-	-	-	-	6 October 2024
2024-138C	-	-	-	-	-	-	-	-	6 October 2024
2019-089K	-	-	-	-	-	-	-	-	7 October 2024
2021-082L	-	-	-	-	-	-	-	-	7 October 2024
2023-054E	-	-	-	-	-	-	-	-	7 October 2024
2023-084BE	-	-	-	-	-	-	-	-	7 October 2024
2023-084J	-	-	-	-	-	-	-	-	8 October 2024
1970-025EB	-	-	-	-	-	-	-	-	9 October 2024
2020-038BN	-	-	-	-	-	-	-	-	9 October 2024
1991-082AF	-	-	-	-	-	-	-	-	10 October 2024
2022-002AD	-	-	-	-	-	-	-	-	10 October 2024
2023-001CG	-	-	-	-	-	-	-	-	10 October 2024
2021-006ER	-	-	-	-	-	-	-	-	11 October 2024
2022-002CJ	-	-	-	-	-	-	-	-	11 October 2024
2024-065V	-	-	-	-	-	-	-	-	11 October 2024
2022-002AX	-	-	-	-	-	-	-	-	12 October 2024
2022-002BH	-	-	-	-	-	-	-	-	12 October 2024
2020-081D	-	-	-	-	-	-	-	-	14 October 2024
2020-001BF	-	-	-	-	-	-	-	-	15 October 2024
2020-062H	-	-	-	-	-	-	-	-	15 October 2024
2020-074BA	-	-	-	-	-	-	-	-	15 October 2024
2020-001AG	-	-	-	-	-	-	-	-	16 October 2024
2021-006EM	-	-	-	-	-	-	-	-	16 October 2024
2022-002AH	-	-	-	-	-	-	-	-	17 October 2024
2022-002AN	-	-	-	-	-	-	-	-	17 October 2024
2020-038AS	-	-	-	-	-	-	-	-	18 October 2024
2020-070AQ	-	-	-	-	-	-	-	-	18 October 2024
2021-006DF	-	-	-	-	-	-	-	-	18 October 2024

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
2020-070S	-	-	-	-	-	-	-	-	19 October 2024
2021-006EQ	-	-	-	-	-	-	-	-	19 October 2024
2021-006EK	-	-	-	-	-	-	-	-	20 October 2024
2022-002Y	-	-	-	-	-	-	-	-	20 October 2024
2022-002BM	-	-	-	-	-	-	-	-	20 October 2024
2022-002BR	-	-	-	-	-	-	-	-	20 October 2024
2021-006DE	-	-	-	-	-	-	-	-	21 October 2024
1970-025NJ	-	-	-	-	-	-	-	-	22 October 2024
2021-027AC	-	-	-	-	-	-	-	-	23 October 2024
2023-014AY	-	-	-	-	-	-	-	-	23 October 2024
2024-042A	-	-	-	-	-	-	-	-	25 October 2024
2024-036F	-	-	-	-	-	-	-	-	28 October 2024
2020-062AK	-	-	-	-	-	-	-	-	29 October 2024
1969-082BP	-	-	-	-	-	-	-	-	30 October 2024
2020-061P	-	-	-	-	-	-	-	-	30 October 2024
2021-006BJ	-	-	-	-	-	-	-	-	30 October 2024
2021-006EA	-	-	-	-	-	-	-	-	30 October 2024
2021-006EL	-	-	-	-	-	-	-	-	30 October 2024
2022-002X	-	-	-	-	-	-	-	-	30 October 2024
2022-002AS	-	-	-	-	-	-	-	-	30 October 2024
2022-002AU	-	-	-	-	-	-	-	-	30 October 2024
2022-002BS	-	-	-	-	-	-	-	-	30 October 2024
2022-002CK	-	-	-	-	-	-	-	-	30 October 2024
2023-001T	-	-	-	-	-	-	-	-	30 October 2024

The following objects were not previously reported and were no longer in orbit as at 2359Z on 31 October 2024:

None.

The following objects were deployed on a non-Earth celestial body:

None.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object	Date of decay
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)		
Additional information:									
None.									

Abbreviations and key

Location of the launch: AFETR, United States Air Force Eastern Test Range; and AFWTR, United States Air Force Western Test Range.

General function of the space object:

- A Spacecraft engaged in investigation of spaceflight techniques and technology
- B Spacecraft engaged in research and exploration of the upper atmosphere or outer space
- C Spacecraft engaged in practical applications and uses of space technology such as weather or communications
- D Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
- E Reusable space transportation systems