



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

Note verbale dated 20 November 2023 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 August 2023 (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 22 November 2023.



Annex

A. Registration data on space launches by the United States of America for August 2023*

The following report supplements the registration data on United States space launches as at 31 August 2023.

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 August 2023:									
2023-110A	Cygnus NG-19	2 August 2023	WLPIS	92.95	51.64	423	415	C	-
2023-112A	Galaxy 37	3 August 2023	AFETR	1 436.1	0.01	35 801	35 772	C	-
2023-112B	Falcon 9 R/B	3 August 2023	AFETR	1 003.82	24.42	53 579	84	D	-
2023-113A	Starlink-30154	7 August 2023	AFETR	95.84	43	561	558	C	-
2023-113B	Starlink-30145	7 August 2023	AFETR	95.12	43	526	523	C	-
2023-113C	Starlink-30226	7 August 2023	AFETR	94.99	43	519	518	C	-
2023-113D	Starlink-30203	7 August 2023	AFETR	94.99	43	519	518	C	-
2023-113E	Starlink-30169	7 August 2023	AFETR	94.46	43	494	491	C	-
2023-113F	Starlink-30164	7 August 2023	AFETR	95.71	43	554	552	C	-
2023-113G	Starlink-30072	7 August 2023	AFETR	95.71	43	555	551	C	-
2023-113H	Starlink-30228	7 August 2023	AFETR	95.84	43	560	558	C	-
2023-113J	Starlink-30230	7 August 2023	AFETR	95.08	43	524	521	C	-
2023-113K	Starlink-30213	7 August 2023	AFETR	95.84	43	560	558	C	-
2023-113L	Starlink-30227	7 August 2023	AFETR	92.94	43	420	417	C	-
2023-113M	Starlink-30212	7 August 2023	AFETR	95.84	43	560	558	C	-
2023-113N	Starlink-30219	7 August 2023	AFETR	95.71	43	554	552	C	-
2023-113P	Starlink-30074	7 August 2023	AFETR	95.71	43	554	553	C	-
2023-113Q	Starlink-30082	7 August 2023	AFETR	95.72	43	554	552	C	-
2023-113R	Starlink-30153	7 August 2023	AFETR	94.99	43	519	517	C	-
2023-113S	Starlink-30147	7 August 2023	AFETR	95.71	43	554	552	C	-
2023-113T	Starlink-30157	7 August 2023	AFETR	92.87	43	416	414	C	-
2023-113U	Starlink-30168	7 August 2023	AFETR	95.71	43	553	553	C	-
2023-113V	Starlink-30231	7 August 2023	AFETR	95.71	43	554	552	C	-
2023-113X	Starlink-30081	7 August 2023	AFETR	94.99	43	518	518	C	-

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

<i>International designation</i>	<i>Name of the space object</i>	<i>Date of the launch</i>	<i>Location of the launch</i>	<i>Basic orbital characteristics</i>				<i>General function of the space object</i>	<i>Date of decay</i>
				<i>Nodal period (minutes)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>		
2023-113Y	Starlink-30149	7 August 2023	AFETR	94.99	43	519	518	C	-
2023-115A	Starlink-30259	8 August 2023	AFWTR	94.99	43	519	517	C	-
2023-115B	Starlink-30256	8 August 2023	AFWTR	95.71	43	554	552	C	-
2023-115C	Starlink-30261	8 August 2023	AFWTR	95.71	43	554	552	C	-
2023-115D	Starlink-30260	8 August 2023	AFWTR	94.99	43	518	518	C	-
2023-115E	Starlink-30253	8 August 2023	AFWTR	95.02	43	520	518	C	-
2023-115F	Starlink-30257	8 August 2023	AFWTR	94.99	43	519	517	C	-
2023-115G	Starlink-30250	8 August 2023	AFWTR	94.99	43	519	517	C	-
2023-115H	Starlink-30269	8 August 2023	AFWTR	94.99	43	519	517	C	-
2023-115J	Starlink-30266	8 August 2023	AFWTR	94.99	43	519	517	C	-
2023-115K	Starlink-30270	8 August 2023	AFWTR	94.99	43	519	517	C	-
2023-115L	Starlink-30268	8 August 2023	AFWTR	94.99	43	518	518	C	-
2023-115M	Starlink-30251	8 August 2023	AFWTR	94.99	43	519	518	C	-
2023-115N	Starlink-30254	8 August 2023	AFWTR	92.79	43	414	408	C	-
2023-115P	Starlink-30264	8 August 2023	AFWTR	94.71	43	505	504	C	-
2023-115Q	Starlink-30262	8 August 2023	AFWTR	94.99	43	519	517	C	-
2023-119A	Starlink-30166	11 August 2023	AFETR	94.99	43	519	517	C	-
2023-119B	Starlink-30223	11 August 2023	AFETR	95.03	43	523	518	C	-
2023-119C	Starlink-30218	11 August 2023	AFETR	94.99	43	519	517	C	-
2023-119D	Starlink-30138	11 August 2023	AFETR	95.01	43	521	517	C	-
2023-119E	Starlink-30255	11 August 2023	AFETR	94.99	43	519	517	C	-
2023-119F	Starlink-30252	11 August 2023	AFETR	93.63	43	452	452	C	-
2023-119G	Starlink-30258	11 August 2023	AFETR	94.99	43	519	517	C	-
2023-119H	Starlink-30174	11 August 2023	AFETR	95.01	43	520	518	C	-
2023-119J	Starlink-30248	11 August 2023	AFETR	95.04	43	522	520	C	-
2023-119K	Starlink-30052	11 August 2023	AFETR	94.98	43	519	516	C	-
2023-119L	Starlink-30245	11 August 2023	AFETR	94.95	43	517	516	C	-
2023-119M	Starlink-30041	11 August 2023	AFETR	94.98	43	519	517	C	-
2023-119N	Starlink-30244	11 August 2023	AFETR	94.98	43	519	517	C	-
2023-119P	Starlink-30246	11 August 2023	AFETR	95.35	43	536	535	C	-
2023-119Q	Starlink-30075	11 August 2023	AFETR	94.99	43	519	517	C	-
2023-119R	Starlink-30148	11 August 2023	AFETR	95.71	43	554	552	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)		
2023-119S	Starlink-30249	11 August 2023	AFETR	95.31	43	535	533	C	-
2023-119T	Starlink-30220	11 August 2023	AFETR	87.18	42.98	143	126	C	-
2023-119U	Starlink-30141	11 August 2023	AFETR	94.99	43	518	518	C	-
2023-119V	Starlink-30150	11 August 2023	AFETR	95.24	43	531	529	C	-
2023-119W	Starlink-30056	11 August 2023	AFETR	94.82	43	511	509	C	-
2023-119X	Starlink-30100	11 August 2023	AFETR	95.22	43	530	529	C	-
2023-122A	Starlink-30309	17 August 2023	AFETR	94.76	43	508	506	C	-
2023-122B	Starlink-30306	17 August 2023	AFETR	94.73	43	506	505	C	-
2023-122C	Starlink-30323	17 August 2023	AFETR	93.42	43	444	440	C	-
2023-122D	Starlink-30329	17 August 2023	AFETR	94.7	43	505	503	C	-
2023-122E	Starlink-30330	17 August 2023	AFETR	94.68	43	504	502	C	-
2023-122F	Starlink-30311	17 August 2023	AFETR	94.62	43	501	499	C	-
2023-122G	Starlink-30328	17 August 2023	AFETR	92.53	43	401	396	C	-
2023-122H	Starlink-30326	17 August 2023	AFETR	94.14	43	477	476	C	-
2023-122J	Starlink-30324	17 August 2023	AFETR	94.59	43	500	498	C	-
2023-122K	Starlink-30312	17 August 2023	AFETR	94.56	43	498	496	C	-
2023-122L	Starlink-30263	17 August 2023	AFETR	94.5	43	495	494	C	-
2023-122M	Starlink-30280	17 August 2023	AFETR	94.42	43	492	489	C	-
2023-122N	Starlink-30247	17 August 2023	AFETR	94.46	43	494	491	C	-
2023-122P	Starlink-30277	17 August 2023	AFETR	94.48	43	494	492	C	-
2023-122Q	Starlink-30265	17 August 2023	AFETR	94.53	43	497	495	C	-
2023-122R	Starlink-30286	17 August 2023	AFETR	93.9	43	466	465	C	-
2023-122S	Starlink-30243	17 August 2023	AFETR	94.19	43	480	478	C	-
2023-122T	Starlink-30293	17 August 2023	AFETR	94.26	43	484	481	C	-
2023-122U	Starlink-30299	17 August 2023	AFETR	94.34	43	487	486	C	-
2023-122V	Starlink-30294	17 August 2023	AFETR	93.85	43	464	462	C	-
2023-122W	Starlink-30276	17 August 2023	AFETR	94.25	43	483	482	C	-
2023-122X	Starlink-30289	17 August 2023	AFETR	93.14	43	430	427	C	-
2023-124A	Starlink-30267	22 August 2023	AFWTR	93.27	53.05	435	434	C	-
2023-124B	Starlink-30302	22 August 2023	AFWTR	93.39	53.05	441	440	C	-
2023-124C	Starlink-30298	22 August 2023	AFWTR	93.43	53.05	443	441	C	-
2023-124D	Starlink-30301	22 August 2023	AFWTR	90.92	53.05	320	319	C	-

<i>International designation</i>	<i>Name of the space object</i>	<i>Date of the launch</i>	<i>Location of the launch</i>	<i>Basic orbital characteristics</i>				<i>General function of the space object</i>	<i>Date of decay</i>
				<i>Nodal period (minutes)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>		
2023-124E	Starlink-30275	22 August 2023	AFWTR	93.36	53.05	440	438	C	-
2023-124F	Starlink-30278	22 August 2023	AFWTR	93.33	53.05	438	437	C	-
2023-124G	Starlink-30271	22 August 2023	AFWTR	93.26	53.05	435	433	C	-
2023-124H	Starlink-30322	22 August 2023	AFWTR	93.29	53.05	437	434	C	-
2023-124J	Starlink-30296	22 August 2023	AFWTR	92.81	53.05	413	411	C	-
2023-124K	Starlink-30274	22 August 2023	AFWTR	93.27	53.05	436	434	C	-
2023-124L	Starlink-30316	22 August 2023	AFWTR	93.27	53.05	436	434	C	-
2023-124M	Starlink-30314	22 August 2023	AFWTR	93.27	53.05	436	434	C	-
2023-124N	Starlink-30317	22 August 2023	AFWTR	93.27	53.05	435	434	C	-
2023-124P	Starlink-30313	22 August 2023	AFWTR	93.27	53.05	435	434	C	-
2023-124Q	Starlink-30303	22 August 2023	AFWTR	93.27	53.05	436	433	C	-
2023-124R	Starlink-30320	22 August 2023	AFWTR	93.27	53.05	436	433	C	-
2023-124S	Starlink-30321	22 August 2023	AFWTR	93.27	53.05	436	433	C	-
2023-124T	Starlink-30283	22 August 2023	AFWTR	93.27	53.05	436	434	C	-
2023-124U	Starlink-30273	22 August 2023	AFWTR	93.27	53.05	436	433	C	-
2023-124V	Starlink-30297	22 August 2023	AFWTR	93.27	53.05	435	434	C	-
2023-124W	Starlink-30295	22 August 2023	AFWTR	92.37	53.05	392	389	C	-
2023-126A	Capella-11 (Acadia)	23 August 2023	RLLC	97.61	53.01	649	639	C	-
2023-128A	Dragon Endurance 3	26 August 2023	AFETR	92.95	51.64	423	415	E	-
2023-129A	Starlink-30288	27 August 2023	AFETR	92.25	43	386	384	C	-
2023-129B	Starlink-30347	27 August 2023	AFETR	92.27	43	386	385	C	-
2023-129C	Starlink-30332	27 August 2023	AFETR	92.25	43	386	384	C	-
2023-129D	Starlink-30345	27 August 2023	AFETR	92.25	43	386	384	C	-
2023-129E	Starlink-30333	27 August 2023	AFETR	92.25	43	387	383	C	-
2023-129F	Starlink-30336	27 August 2023	AFETR	92.26	43	386	385	C	-
2023-129G	Starlink-30346	27 August 2023	AFETR	92.25	43	388	382	C	-
2023-129H	Starlink-30342	27 August 2023	AFETR	92.25	43	389	381	C	-
2023-129J	Starlink-30337	27 August 2023	AFETR	92.25	43	388	381	C	-
2023-129K	Starlink-30327	27 August 2023	AFETR	92.25	43	386	384	C	-
2023-129L	Starlink-30315	27 August 2023	AFETR	92.25	43	388	381	C	-
2023-129M	Starlink-30287	27 August 2023	AFETR	92.25	43	388	382	C	-
2023-129N	Starlink-30335	27 August 2023	AFETR	92.25	43	388	381	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)		
2023-129P	Starlink-30318	27 August 2023	AFETR	92.25	43	385	384	C	-
2023-129Q	Starlink-30348	27 August 2023	AFETR	92.26	43	386	384	C	-
2023-129R	Starlink-30349	27 August 2023	AFETR	92.25	43	388	382	C	-
2023-129S	Starlink-30341	27 August 2023	AFETR	92.24	43	386	383	C	-
2023-129T	Starlink-30300	27 August 2023	AFETR	92.25	43	386	384	C	-
2023-129U	Starlink-30281	27 August 2023	AFETR	92.26	43	389	381	C	-
2023-129V	Starlink-30325	27 August 2023	AFETR	92.25	43	385	384	C	-
2023-129W	Starlink-30338	27 August 2023	AFETR	92.24	43	387	382	C	-
2023-129X	Starlink-30334	27 August 2023	AFETR	92.24	43	385	384	C	-

The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 31 August 2023:

2023-084J	MISR-B-2	12 June 2023	AFWTR	95.02	97.52	526	513	A	-
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The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 31 August 2023:

2023-110B	Antares R/B	2 August 2023	WLPIS	86.61	51.6	109	103	D	5 August 2023
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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 August 2023:

1978-096C	-	-	-	-	-	-	-	-	1 August 2023
2019-018S	-	-	-	-	-	-	-	-	1 August 2023
2021-006BU	-	-	-	-	-	-	-	-	1 August 2023
2015-003B	-	-	-	-	-	-	-	-	2 August 2023
2015-003C	-	-	-	-	-	-	-	-	2 August 2023
2019-018U	-	-	-	-	-	-	-	-	3 August 2023
2019-081G	-	-	-	-	-	-	-	-	3 August 2023
1999-070C	-	-	-	-	-	-	-	-	5 August 2023
2017-036R	-	-	-	-	-	-	-	-	5 August 2023
2019-081D	-	-	-	-	-	-	-	-	5 August 2023
2020-025AG	-	-	-	-	-	-	-	-	5 August 2023
2023-026P	-	-	-	-	-	-	-	-	7 August 2023
1994-029EU	-	-	-	-	-	-	-	-	8 August 2023
2019-018V	-	-	-	-	-	-	-	-	8 August 2023
2018-004K	-	-	-	-	-	-	-	-	10 August 2023
2022-057AU	-	-	-	-	-	-	-	-	10 August 2023

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)		
2018-046D	-	-	-	-	-	-	-	-	14 August 2023
2007-006B	-	-	-	-	-	-	-	-	17 August 2023
2018-004M	-	-	-	-	-	-	-	-	17 August 2023
2018-010C	-	-	-	-	-	-	-	-	22 August 2023
2020-019BL	-	-	-	-	-	-	-	-	24 August 2023
2022-002CS	-	-	-	-	-	-	-	-	26 August 2023
2017-036K	-	-	-	-	-	-	-	-	30 August 2023
1991-082BP	-	-	-	-	-	-	-	-	31 August 2023

The following objects were not previously reported and were no longer in orbit as at 2359Z on 31 August 2023:

None.

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

None.

Abbreviations and key

Location of the launch: AFETR, United States Air Force Eastern Test Range; AFWTR, United States Air Force Western Test Range; RLLC, Rocket Lab Launch Complex, New Zealand; and WLPIS, Wallops Island, United States.

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
- 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

B. Revisions that should be made to previously reported data *

Registration document	International designation	Original common name of the space object	Updated common name of the space object
ST/SG/SER.E/1080	2022-092A	SBIRS-GEO 6 (USA 336)	SBIRS GEO 6 (USA 336)

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