



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

Note verbale dated 6 July 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 May 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 18 July 2023.



Registration data on space launches by the United States of America for May 2023*

The following report supplements the registration data on United States space launches as at 31 May 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 May 2023:									
2023-060A	ViaSat 3	1 May 2023	AFETR	1 436.11	0.05	35 797	35 777	C	-
2023-060B	Arcturus	1 May 2023	AFETR	1 436.09	0.05	35 789	35 784	C	-
2023-060C	GS-1	1 May 2023	AFETR	1 383.93	0.13	34 887	34 631	C	-
2023-060D	Falcon Heavy R/B	1 May 2023	AFETR	1 374.78	0.15	34 620	34 535	D	-
2023-061A	Starlink-6156	4 May 2023	AFETR	95.13	43	526	524	C	-
2023-061B	Starlink-6158	4 May 2023	AFETR	95.09	43	524	522	C	-
2023-061C	Starlink-6188	4 May 2023	AFETR	95.11	43	525	523	C	-
2023-061D	Starlink-6189	4 May 2023	AFETR	95.07	43	523	521	C	-
2023-061E	Starlink-6191	4 May 2023	AFETR	95.01	43	520	518	C	-
2023-061F	Starlink-6157	4 May 2023	AFETR	95.06	43	522	521	C	-
2023-061G	Starlink-6161	4 May 2023	AFETR	95.03	43	521	519	C	-
2023-061H	Starlink-6159	4 May 2023	AFETR	95.04	43	521	520	C	-
2023-061J	Starlink-6160	4 May 2023	AFETR	94.97	42.99	518	516	C	-
2023-061K	Starlink-6166	4 May 2023	AFETR	94.99	42.99	519	517	C	-
2023-061L	Starlink-6153	4 May 2023	AFETR	94.92	42.99	516	514	C	-
2023-061M	Starlink-6173	4 May 2023	AFETR	94.96	42.99	517	516	C	-
2023-061N	Starlink-5836	4 May 2023	AFETR	94.89	42.99	514	512	C	-
2023-061P	Starlink-6178	4 May 2023	AFETR	94.94	42.99	517	515	C	-
2023-061Q	Starlink-6176	4 May 2023	AFETR	94.85	42.99	512	510	C	-
2023-061R	Starlink-6145	4 May 2023	AFETR	94.91	42.99	515	513	C	-
2023-061S	Starlink-6300	4 May 2023	AFETR	92.92	42.99	418	416	C	-
2023-061T	Starlink-6298	4 May 2023	AFETR	94.87	42.99	513	512	C	-
2023-061U	Starlink-6301	4 May 2023	AFETR	92.92	42.99	418	416	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)		
2023-061V	Starlink-6303	4 May 2023	AFETR	94.86	42.99	513	511	C	-
2023-061W	Starlink-6305	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061X	Starlink-6273	4 May 2023	AFETR	92.92	42.99	418	416	C	-
2023-061Y	Starlink-6302	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061Z	Starlink-6271	4 May 2023	AFETR	92.92	42.99	418	416	C	-
2023-061AA	Starlink-6288	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AB	Starlink-6277	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AC	Starlink-6267	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AD	Starlink-6256	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061AE	Starlink-6269	4 May 2023	AFETR	91.97	42.99	372	370	C	-
2023-061AF	Starlink-6284	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AG	Starlink-6287	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AH	Starlink-6285	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AJ	Starlink-6283	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AK	Starlink-6282	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AL	Starlink-6289	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AM	Starlink-6241	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AN	Starlink-6281	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AP	Starlink-6279	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AQ	Starlink-6278	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AR	Starlink-6258	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AS	Starlink-5136	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AT	Starlink-6268	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AU	Starlink-6260	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061AV	Starlink-6261	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AW	Starlink-5356	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061AX	Starlink-5350	4 May 2023	AFETR	92.91	42.99	418	416	C	-
2023-061AY	Starlink-6272	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061AZ	Starlink-6270	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061BA	Starlink-6236	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061BB	Starlink-6239	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061BC	Starlink-6242	4 May 2023	AFETR	91.64	43	356	354	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)		
2023-061BD	Starlink-6224	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061BE	Starlink-5352	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061BF	Starlink-5724	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061BG	Starlink-6238	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-061BH	Starlink-6264	4 May 2023	AFETR	91.64	43	356	354	C	-
2023-062A	TROPICS-05	8 May 2023	RLLC	95.54	32.74	552	537	C	-
2023-062C	TROPICS-06	8 May 2023	RLLC	95.47	32.74	552	531	C	-
2023-064A	Starlink-5990	10 May 2023	AFWTR	92.91	70	420	415	C	-
2023-064B	Starlink-5993	10 May 2023	AFWTR	92.97	70	422	418	C	-
2023-064C	Starlink-5970	10 May 2023	AFWTR	92.9	70	419	414	C	-
2023-064D	Starlink-5985	10 May 2023	AFWTR	92.96	70	422	417	C	-
2023-064E	Starlink-5986	10 May 2023	AFWTR	92.94	70	421	416	C	-
2023-064F	Starlink-5935	10 May 2023	AFWTR	92.93	70	420	416	C	-
2023-064G	Starlink-5959	10 May 2023	AFWTR	92.85	70	416	412	C	-
2023-064H	Starlink-5987	10 May 2023	AFWTR	92.83	70	415	411	C	-
2023-064J	Starlink-5995	10 May 2023	AFWTR	92.89	70	418	414	C	-
2023-064K	Starlink-5994	10 May 2023	AFWTR	92.86	70	417	412	C	-
2023-064L	Starlink-6050	10 May 2023	AFWTR	92.87	70	417	413	C	-
2023-064M	Starlink-6048	10 May 2023	AFWTR	92.82	70	415	410	C	-
2023-064N	Starlink-6047	10 May 2023	AFWTR	92.82	70	415	410	C	-
2023-064P	Starlink-6037	10 May 2023	AFWTR	92.83	70	416	411	C	-
2023-064Q	Starlink-6045	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064R	Starlink-6051	10 May 2023	AFWTR	92.83	70	415	411	C	-
2023-064S	Starlink-6043	10 May 2023	AFWTR	92.82	70	415	410	C	-
2023-064T	Starlink-6054	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064U	Starlink-6053	10 May 2023	AFWTR	92.83	70	415	410	C	-
2023-064V	Starlink-6055	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064W	Starlink-5998	10 May 2023	AFWTR	92.83	70	416	411	C	-
2023-064X	Starlink-5518	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064Y	Starlink-5523	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064Z	Starlink-5521	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AA	Starlink-5038	10 May 2023	AFWTR	91.72	70	361	357	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)		
2023-064AB	Starlink-5486	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AC	Starlink-5524	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AD	Starlink-5541	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AE	Starlink-5545	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AF	Starlink-5534	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AG	Starlink-6041	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AH	Starlink-6044	10 May 2023	AFWTR	91.72	70	362	357	C	-
2023-064AJ	Starlink-6214	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AK	Starlink-6222	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AL	Starlink-6220	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AM	Starlink-5868	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AN	Starlink-6221	10 May 2023	AFWTR	91.72	70	362	357	C	-
2023-064AP	Starlink-6210	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AQ	Starlink-6201	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AR	Starlink-6196	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AS	Starlink-6204	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AT	Starlink-5923	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AU	Starlink-5873	10 May 2023	AFWTR	91.73	70	362	357	C	-
2023-064AV	Starlink-5842	10 May 2023	AFWTR	91.72	70	362	357	C	-
2023-064AW	Starlink-5846	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AX	Starlink-5841	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AY	Starlink-5530	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064AZ	Starlink-5529	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064BA	Starlink-5526	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064BB	Starlink-5527	10 May 2023	AFWTR	91.72	70	361	357	C	-
2023-064BC	Starlink-5522	10 May 2023	AFWTR	91.72	70	361	356	C	-
2023-065A	Starlink-5775	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065B	Starlink-5716	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065C	Starlink-5763	14 May 2023	AFETR	91.64	43	355	355	C	-
2023-065D	Starlink-5340	14 May 2023	AFETR	91.64	43	355	355	C	-
2023-065E	Starlink-5333	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065F	Starlink-5335	14 May 2023	AFETR	91.64	43	356	354	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)		
2023-065G	Starlink-5334	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065H	Starlink-5339	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065J	Starlink-5351	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065K	Starlink-5349	14 May 2023	AFETR	91.64	43	357	353	C	-
2023-065L	Starlink-5329	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065M	Starlink-5343	14 May 2023	AFETR	91.43	43	346	343	C	-
2023-065N	Starlink-5348	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065P	Starlink-5342	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065Q	Starlink-5345	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065R	Starlink-5346	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065S	Starlink-6313	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065T	Starlink-6344	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065U	Starlink-6333	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065V	Starlink-6327	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065W	Starlink-6328	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065X	Starlink-6323	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065Y	Starlink-6329	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065Z	Starlink-6317	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065AA	Starlink-6335	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065AB	Starlink-6337	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065AC	Starlink-6307	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065AD	Starlink-6318	14 May 2023	AFETR	91.64	43	356	355	C	-
2023-065AE	Starlink-6280	14 May 2023	AFETR	91.64	43	355	355	C	-
2023-065AF	Starlink-6319	14 May 2023	AFETR	91.64	43	355	355	C	-
2023-065AG	Starlink-6310	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065AH	Starlink-6308	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065AJ	Starlink-6309	14 May 2023	AFETR	93.83	43	463	461	C	-
2023-065AK	Starlink-6312	14 May 2023	AFETR	93.85	43	464	462	C	-
2023-065AL	Starlink-6311	14 May 2023	AFETR	93.82	43	462	460	C	-
2023-065AM	Starlink-6314	14 May 2023	AFETR	91.64	43	356	354	C	-
2023-065AN	Starlink-6135	14 May 2023	AFETR	93.81	43	462	460	C	-
2023-065AP	Starlink-6136	14 May 2023	AFETR	93.87	43	465	463	C	-

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2023-065AQ	Starlink-6249	14 May 2023	AFETR	93.77	43	460	458	C	-
2023-065AR	Starlink-6266	14 May 2023	AFETR	93.79	43	461	459	C	-
2023-065AS	Starlink-6228	14 May 2023	AFETR	93.73	43	458	456	C	-
2023-065AT	Starlink-6226	14 May 2023	AFETR	93.78	43	460	458	C	-
2023-065AU	Starlink-6086	14 May 2023	AFETR	93.71	43	457	455	C	-
2023-065AV	Starlink-6187	14 May 2023	AFETR	93.76	43	459	457	C	-
2023-065AW	Starlink-6291	14 May 2023	AFETR	93.68	43	455	454	C	-
2023-065AX	Starlink-6244	14 May 2023	AFETR	93.72	43	457	456	C	-
2023-065AY	Starlink-6263	14 May 2023	AFETR	93.66	43	454	453	C	-
2023-065AZ	Starlink-6255	14 May 2023	AFETR	93.7	43	456	455	C	-
2023-065BA	Starlink-6199	14 May 2023	AFETR	93.62	43	452	451	C	-
2023-065BB	Starlink-5802	14 May 2023	AFETR	93.67	43	455	453	C	-
2023-065BC	Starlink-6074	14 May 2023	AFETR	93.61	43	452	451	C	-
2023-065BD	Starlink-6295	14 May 2023	AFETR	93.65	43	454	452	C	-
2023-065BE	Starlink-6252	14 May 2023	AFETR	93.59	43	451	449	C	-
2023-065BF	Starlink-5302	14 May 2023	AFETR	93.6	43	452	450	C	-
2023-065BG	Starlink-6265	14 May 2023	AFETR	93.56	43	450	448	C	-
2023-065BH	Starlink-6286	14 May 2023	AFETR	93.55	43	449	447	C	-
2023-067A	Starlink-30122	19 May 2023	AFETR	93.91	43	468	463	C	-
2023-067B	Starlink-30129	19 May 2023	AFETR	95.09	43	524	523	C	-
2023-067C	Starlink-30124	19 May 2023	AFETR	95.1	43	524	522	C	-
2023-067D	Starlink-30087	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067E	Starlink-30036	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067F	Starlink-30067	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067G	Starlink-30126	19 May 2023	AFETR	95.09	43	524	521	C	-
2023-067H	Starlink-30121	19 May 2023	AFETR	94.71	43	506	503	C	-
2023-067J	Starlink-30118	19 May 2023	AFETR	90.04	43	282	271	C	-
2023-067K	Starlink-30130	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067L	Starlink-30068	19 May 2023	AFETR	92.39	43	393	391	C	-
2023-067M	Starlink-30127	19 May 2023	AFETR	95.09	43	523	522	C	-
2023-067N	Starlink-30053	19 May 2023	AFETR	95.09	43	523	522	C	-
2023-067P	Starlink-30125	19 May 2023	AFETR	95.09	43	524	522	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)		
2023-067Q	Starlink-30117	19 May 2023	AFETR	93.64	43	453	452	C	-
2023-067R	Starlink-30132	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067S	Starlink-30066	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067T	Starlink-30080	19 May 2023	AFETR	92.59	43	402	400	C	-
2023-067U	Starlink-30079	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067V	Starlink-30070	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067W	Starlink-30071	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-067X	Starlink-30085	19 May 2023	AFETR	95.09	43	524	522	C	-
2023-068S	Iridium 181	20 May 2023	AFWTR	97.28	86.68	631	626	C	-
2023-068T	Iridium 177	20 May 2023	AFWTR	97.28	86.68	630	627	C	-
2023-068U	Iridium 174	20 May 2023	AFWTR	97.28	86.68	630	627	C	-
2023-068V	Iridium 178	20 May 2023	AFWTR	97.28	86.68	630	627	C	-
2023-068W	Iridium 179	20 May 2023	AFWTR	97.28	86.68	630	627	C	-
2023-073B	TROPICS-03	26 May 2023	RLLC	95.57	32.74	553	539	C	-
2023-073C	TROPICS-07	26 May 2023	RLLC	95.5	32.74	553	533	C	-
2023-075B	Falcon 9 R/B	27 May 2023	AFETR	1 196.57	27.87	61 479	435	D	-
2023-078A	Starlink-6197	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078B	Starlink-6198	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078C	Starlink-5978	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078D	Starlink-6342	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078E	Starlink-6339	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078F	Starlink-6275	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078G	Starlink-6296	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078H	Starlink-6190	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078J	Starlink-6292	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078K	Starlink-6274	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078L	Starlink-5582	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078M	Starlink-6304	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078N	Starlink-6231	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078P	Starlink-5963	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078Q	Starlink-5989	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078R	Starlink-6352	31 May 2023	AFWTR	91.72	70	362	357	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)		
2023-078S	Starlink-6357	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078T	Starlink-6354	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078U	Starlink-5931	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078V	Starlink-6341	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078W	Starlink-6326	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078X	Starlink-6336	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078Y	Starlink-6325	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078Z	Starlink-6345	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AA	Starlink-5977	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AB	Starlink-6046	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AC	Starlink-6052	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AD	Starlink-6060	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AE	Starlink-6061	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AF	Starlink-6049	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AG	Starlink-6058	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AH	Starlink-6068	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AJ	Starlink-5953	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AK	Starlink-6036	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AL	Starlink-6087	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AM	Starlink-6070	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AN	Starlink-6029	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AP	Starlink-6069	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AQ	Starlink-6064	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AR	Starlink-6072	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AS	Starlink-6073	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AT	Starlink-6042	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AU	Starlink-6040	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AV	Starlink-6031	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AW	Starlink-6063	31 May 2023	AFWTR	91.72	70	362	357	C	-
2023-078AX	Starlink-6065	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AY	Starlink-6056	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078AZ	Starlink-6059	31 May 2023	AFWTR	91.72	70	361	357	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)		
2023-078BA	Starlink-6057	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078BB	Starlink-6067	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078BC	Starlink-5982	31 May 2023	AFWTR	91.72	70	361	357	C	-
2023-078BD	Starlink-6028	31 May 2023	AFWTR	91.72	70	362	357	C	-
The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 31 May 2023:									
2022-134B	Falcon 9 R/B	15 October 2022	AFETR	1 070.18	24.7	56 132	427	D	-
2023-054AM	Sapling Giganteum	15 April 2023	AFWTR	94.45	97.4	503	481	C	-
2023-059C	Falcon 9 R/B	28 April 2023	AFETR	198.16	8.6	6 998	2 764	D	-
The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 31 May 2023:									
2023-070A	Axiom-2	21 May 2023	AFETR	92.89	51.64	420	412	E	31 May 2023
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 May 2023:									
2019-081C	-	-	-	-	-	-	-	-	2 May 2023
2019-081E	-	-	-	-	-	-	-	-	2 May 2023
2021-002E	-	-	-	-	-	-	-	-	2 May 2023
2021-006EZ	-	-	-	-	-	-	-	-	2 May 2023
2020-088J	-	-	-	-	-	-	-	-	3 May 2023
2019-018Y	-	-	-	-	-	-	-	-	4 May 2023
2019-022D	-	-	-	-	-	-	-	-	4 May 2023
2021-006BV	-	-	-	-	-	-	-	-	4 May 2023
1998-067UQ	-	-	-	-	-	-	-	-	4 May 2023
2019-018Q	-	-	-	-	-	-	-	-	6 May 2023
2018-004P	-	-	-	-	-	-	-	-	9 May 2023
2019-018Z	-	-	-	-	-	-	-	-	9 May 2023
2021-006BF	-	-	-	-	-	-	-	-	9 May 2023
2021-006FA	-	-	-	-	-	-	-	-	9 May 2023
2023-056A	-	-	-	-	-	-	-	-	10 May 2023
2020-061AN	-	-	-	-	-	-	-	-	11 May 2023
2021-006BK	-	-	-	-	-	-	-	-	11 May 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)		
2023-026B	-	-	-	-	-	-	-	-	12 May 2023
2019-074AF	-	-	-	-	-	-	-	-	13 May 2023
2021-108A	-	-	-	-	-	-	-	-	14 May 2023
1970-025MZ	-	-	-	-	-	-	-	-	16 May 2023
1994-029V	-	-	-	-	-	-	-	-	16 May 2023
2019-018W	-	-	-	-	-	-	-	-	16 May 2023
2019-018X	-	-	-	-	-	-	-	-	16 May 2023
2019-037C	-	-	-	-	-	-	-	-	16 May 2023
2019-022C	-	-	-	-	-	-	-	-	16 May 2023
2019-081H	-	-	-	-	-	-	-	-	16 May 2023
2020-061AL	-	-	-	-	-	-	-	-	16 May 2023
2021-006FB	-	-	-	-	-	-	-	-	16 May 2023
2017-008AW	-	-	-	-	-	-	-	-	17 May 2023
2019-018E	-	-	-	-	-	-	-	-	17 May 2023
2020-006AU	-	-	-	-	-	-	-	-	18 May 2023
2022-017BB	-	-	-	-	-	-	-	-	21 May 2023
2017-008AY	-	-	-	-	-	-	-	-	23 May 2023
2018-096U	-	-	-	-	-	-	-	-	23 May 2023
2021-006BH	-	-	-	-	-	-	-	-	23 May 2023
2017-008BB	-	-	-	-	-	-	-	-	25 May 2023
2020-061AJ	-	-	-	-	-	-	-	-	25 May 2023
2021-006FC	-	-	-	-	-	-	-	-	25 May 2023
2018-046C	-	-	-	-	-	-	-	-	26 May 2023
2020-006H	-	-	-	-	-	-	-	-	30 May 2023
1999-067D	-	-	-	-	-	-	-	-	31 May 2023
2020-061AH	-	-	-	-	-	-	-	-	31 May 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 not previously reported and were no longer in orbit as at 2359Z on 31 May 2023:									
2019-037C	Global-3	29 June 2019	-	-	-	-	-	-	16 May 2023
The following objects were deployed on a non-Earth celestial body:									
None.									
Revisions that should be made to previously reported data:									
None.									

Abbreviations and key

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

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