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

### **Note verbale dated 26 April 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 February 2023 (see annex).<sup>1</sup>

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.

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<sup>1</sup> The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 2 May 2023.



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

The following report supplements the registration data on United States space launches as at 28 February 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 28 February 2023:									
2023-015A	Starlink-5699	2 February 2023	AFETR	91.96	43	372	370	C	-
2023-015B	Starlink-5686	2 February 2023	AFETR	91.97	43	371	371	C	-
2023-015C	Starlink-5656	2 February 2023	AFETR	91.96	43	371	370	C	-
2023-015D	Starlink-5683	2 February 2023	AFETR	91.96	43	371	370	C	-
2023-015E	Starlink-5684	2 February 2023	AFETR	91.96	43	371	370	C	-
2023-015F	Starlink-5636	2 February 2023	AFETR	91.95	43	371	370	C	-
2023-015G	Starlink-5680	2 February 2023	AFETR	91.96	43	371	370	C	-
2023-015H	Starlink-5058	2 February 2023	AFETR	91.96	43	371	370	C	-
2023-015J	Starlink-5682	2 February 2023	AFETR	91.96	43	371	370	C	-
2023-015K	Starlink-5020	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015L	Starlink-5669	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015M	Starlink-5678	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015N	Starlink-5646	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015P	Starlink-5673	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015Q	Starlink-5677	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015R	Starlink-5676	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015S	Starlink-5674	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015T	Starlink-5628	2 February 2023	AFETR	91.94	43	371	369	C	-
2023-015U	Starlink-5679	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015V	Starlink-5672	2 February 2023	AFETR	91.94	43	371	369	C	-
2023-015W	Starlink-5681	2 February 2023	AFETR	91.95	43	371	369	C	-
2023-015X	Starlink-5708	2 February 2023	AFETR	91.94	43	371	369	C	-
2023-015Y	Starlink-5711	2 February 2023	AFETR	91.94	43	371	369	C	-
2023-015Z	Starlink-5705	2 February 2023	AFETR	91.64	43	356	354	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	
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of the space object	Date of decay
2023-015AA	Starlink-5687	2 February 2023	AFETR	91.94	43	371	369	C	-
2023-015AB	Starlink-5689	2 February 2023	AFETR	94.68	43	504	502	C	-
2023-015AC	Starlink-5650	2 February 2023	AFETR	91.94	43	371	369	C	-
2023-015AD	Starlink-5596	2 February 2023	AFETR	91.63	43	355	354	C	-
2023-015AE	Starlink-5685	2 February 2023	AFETR	91.64	43	356	354	C	-
2023-015AF	Starlink-5691	2 February 2023	AFETR	91.64	43	356	354	C	-
2023-015AG	Starlink-5688	2 February 2023	AFETR	91.66	43	358	355	C	-
2023-015AH	Starlink-5690	2 February 2023	AFETR	93.65	43	454	452	C	-
2023-015AJ	Starlink-5694	2 February 2023	AFETR	94.68	43	504	502	C	-
2023-015AK	Starlink-5693	2 February 2023	AFETR	94.6	43	500	498	C	-
2023-015AL	Starlink-5692	2 February 2023	AFETR	94.62	43	501	499	C	-
2023-015AM	Starlink-5696	2 February 2023	AFETR	94.6	43	500	499	C	-
2023-015AN	Starlink-5695	2 February 2023	AFETR	94.62	43	501	499	C	-
2023-015AP	Starlink-5704	2 February 2023	AFETR	93.96	43	469	467	C	-
2023-015AQ	Starlink-5701	2 February 2023	AFETR	94.65	43	503	501	C	-
2023-015AR	Starlink-5706	2 February 2023	AFETR	94.47	43	494	492	C	-
2023-015AS	Starlink-5371	2 February 2023	AFETR	94.62	43	501	499	C	-
2023-015AT	Starlink-5373	2 February 2023	AFETR	94.46	43	493	492	C	-
2023-015AU	Starlink-5364	2 February 2023	AFETR	91.64	43	356	354	C	-
2023-015AV	Starlink-5013	2 February 2023	AFETR	94.51	43	496	494	C	-
2023-015AW	Starlink-5362	2 February 2023	AFETR	94.53	43	496	495	C	-
2023-015AX	Starlink-5344	2 February 2023	AFETR	94.46	43	493	492	C	-
2023-015AY	Starlink-5100	2 February 2023	AFETR	91.64	43	356	354	C	-
2023-015AZ	Starlink-5139	2 February 2023	AFETR	91.87	43	367	365	C	-
2023-015BA	Starlink-5363	2 February 2023	AFETR	94.46	43	493	491	C	-
2023-015BB	Starlink-5365	2 February 2023	AFETR	94.39	43	490	488	C	-
2023-015BC	Starlink-5366	2 February 2023	AFETR	94.37	43	489	487	C	-
2023-015BD	Starlink-5141	2 February 2023	AFETR	94.42	43	491	489	C	-
2023-015BE	Starlink-5367	2 February 2023	AFETR	94.39	43	490	488	C	-
2023-017B	Falcon 9 R/B	7 February 2023	AFETR	1 150.51	24.94	59 710	275	D	-
2023-020A	Starlink-5749	12 February 2023	AFETR	94.28	43	485	483	C	-
2023-020B	Starlink-5737	12 February 2023	AFETR	94.29	43	485	483	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)		
2023-020C	Starlink-5739	12 February 2023	AFETR	94.26	43	484	482	C	-
2023-020D	Starlink-5732	12 February 2023	AFETR	94.25	43	483	482	C	-
2023-020E	Starlink-5738	12 February 2023	AFETR	94.26	43	484	482	C	-
2023-020F	Starlink-5747	12 February 2023	AFETR	94.18	43	480	478	C	-
2023-020G	Starlink-5745	12 February 2023	AFETR	94.2	43	481	479	C	-
2023-020H	Starlink-5751	12 February 2023	AFETR	91.64	43	356	354	C	-
2023-020J	Starlink-5752	12 February 2023	AFETR	93.46	43	445	443	C	-
2023-020K	Starlink-5713	12 February 2023	AFETR	94.16	43	479	477	C	-
2023-020L	Starlink-5754	12 February 2023	AFETR	94.14	43	478	476	C	-
2023-020M	Starlink-5757	12 February 2023	AFETR	91.64	43	357	353	C	-
2023-020N	Starlink-5753	12 February 2023	AFETR	94.16	43	479	477	C	-
2023-020P	Starlink-5741	12 February 2023	AFETR	92.07	43	377	375	C	-
2023-020Q	Starlink-5742	12 February 2023	AFETR	94.15	43	478	476	C	-
2023-020R	Starlink-5736	12 February 2023	AFETR	94.14	43	478	476	C	-
2023-020S	Starlink-5769	12 February 2023	AFETR	92.07	43	377	375	C	-
2023-020T	Starlink-5767	12 February 2023	AFETR	94.13	43	478	476	C	-
2023-020U	Starlink-5727	12 February 2023	AFETR	93.45	43	444	442	C	-
2023-020V	Starlink-5728	12 February 2023	AFETR	94.11	43	476	475	C	-
2023-020W	Starlink-5697	12 February 2023	AFETR	94.13	43	477	475	C	-
2023-020X	Starlink-5762	12 February 2023	AFETR	94.1	43	476	474	C	-
2023-020Y	Starlink-5760	12 February 2023	AFETR	94.11	43	477	475	C	-
2023-020Z	Starlink-5759	12 February 2023	AFETR	94.09	43	476	474	C	-
2023-020AA	Starlink-5703	12 February 2023	AFETR	94.11	43	476	474	C	-
2023-020AB	Starlink-5750	12 February 2023	AFETR	94.08	43	475	473	C	-
2023-020AC	Starlink-5740	12 February 2023	AFETR	94.01	43	472	470	C	-
2023-020AD	Starlink-5729	12 February 2023	AFETR	94.08	43	475	473	C	-
2023-020AE	Starlink-5743	12 February 2023	AFETR	92.07	43	377	375	C	-
2023-020AF	Starlink-5756	12 February 2023	AFETR	91.65	43	356	355	C	-
2023-020AG	Starlink-5761	12 February 2023	AFETR	91.84	43	366	364	C	-
2023-020AH	Starlink-5755	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020AJ	Starlink-5744	12 February 2023	AFETR	94.01	43	472	470	C	-
2023-020AK	Starlink-5764	12 February 2023	AFETR	91.87	43	367	365	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>		
2023-020AL	Starlink-5735	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020AM	Starlink-5748	12 February 2023	AFETR	91.64	43	356	354	C	-
2023-020AN	Starlink-5725	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020AP	Starlink-5723	12 February 2023	AFETR	88.37	42.99	195	193	C	-
2023-020AQ	Starlink-5700	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020AR	Starlink-5726	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020AS	Starlink-5719	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020AT	Starlink-5722	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020AU	Starlink-5730	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020AV	Starlink-5734	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020AW	Starlink-5715	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020AX	Starlink-5714	12 February 2023	AFETR	91.51	43	349	348	C	-
2023-020AY	Starlink-5712	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020AZ	Starlink-5710	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020BA	Starlink-5721	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020BB	Starlink-5717	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020BC	Starlink-5720	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020BD	Starlink-5718	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020BE	Starlink-5709	12 February 2023	AFETR	91.96	43	371	370	C	-
2023-020BF	Starlink-5702	12 February 2023	AFETR	91.96	43	372	370	C	-
2023-020BG	Starlink-5698	12 February 2023	AFETR	91.65	43	356	355	C	-
2023-021A	Starlink-5484	17 February 2023	AFWTR	92.53	70	401	396	C	-
2023-021B	Starlink-5497	17 February 2023	AFWTR	92.53	70	401	397	C	-
2023-021C	Starlink-5303	17 February 2023	AFWTR	92.53	70	401	396	C	-
2023-021D	Starlink-5558	17 February 2023	AFWTR	92.52	70	400	396	C	-
2023-021E	Starlink-5546	17 February 2023	AFWTR	92.53	70	401	396	C	-
2023-021F	Starlink-5498	17 February 2023	AFWTR	92.53	70	401	396	C	-
2023-021G	Starlink-5500	17 February 2023	AFWTR	92.53	70	401	396	C	-
2023-021H	Starlink-5495	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021J	Starlink-5218	17 February 2023	AFWTR	92.52	70	400	396	C	-
2023-021K	Starlink-5062	17 February 2023	AFWTR	91.72	70	362	357	C	-
2023-021L	Starlink-5507	17 February 2023	AFWTR	92.53	70	401	396	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	
				Nodal period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of the space object	Date of decay
2023-021M	Starlink-5508	17 February 2023	AFWTR	91.72	70	362	357	C	-
2023-021N	Starlink-5069	17 February 2023	AFWTR	91.72	70	362	356	C	-
2023-021P	Starlink-5065	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021Q	Starlink-5478	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021R	Starlink-5483	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021S	Starlink-5502	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021T	Starlink-5102	17 February 2023	AFWTR	91.72	70	362	357	C	-
2023-021U	Starlink-5104	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021V	Starlink-5510	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021W	Starlink-5501	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021X	Starlink-5469	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021Y	Starlink-5494	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021Z	Starlink-5506	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AA	Starlink-5487	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AB	Starlink-5067	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AC	Starlink-5070	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AD	Starlink-5267	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AE	Starlink-5326	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AF	Starlink-5328	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AG	Starlink-5307	17 February 2023	AFWTR	91.73	70	361	357	C	-
2023-021AH	Starlink-5477	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AJ	Starlink-5467	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AK	Starlink-5475	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AL	Starlink-5479	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AM	Starlink-5473	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AN	Starlink-5480	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AP	Starlink-5474	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AQ	Starlink-5457	17 February 2023	AFWTR	90.7	69.99	311	307	C	-
2023-021AR	Starlink-5456	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AS	Starlink-5455	17 February 2023	AFWTR	91.72	70	362	357	C	-
2023-021AT	Starlink-5459	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AU	Starlink-5423	17 February 2023	AFWTR	91.72	70	361	357	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>		
2023-021AV	Starlink-5460	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AW	Starlink-5461	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AX	Starlink-5463	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021AY	Starlink-5462	17 February 2023	AFWTR	91.72	70	362	356	C	-
2023-021AZ	Starlink-5232	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021BA	Starlink-5300	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021BB	Starlink-5324	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-021BC	Starlink-5314	17 February 2023	AFWTR	91.72	70	361	357	C	-
2023-022B	Falcon 9 R/B	18 February 2023	AFETR	746.65	27.06	41 558	212	D	-
2023-026A	Starlink-30050	27 February 2023	AFETR	92.08	43	378	375	C	-
2023-026B	Starlink-30038	27 February 2023	AFETR	91.85	43	366	364	C	-
2023-026C	Starlink-30040	27 February 2023	AFETR	92.08	43	378	375	C	-
2023-026D	Starlink-30061	27 February 2023	AFETR	92.09	43	378	375	C	-
2023-026E	Starlink-30055	27 February 2023	AFETR	92.09	43	378	375	C	-
2023-026F	Starlink-30064	27 February 2023	AFETR	92.11	43	379	376	C	-
2023-026G	Starlink-30065	27 February 2023	AFETR	92.08	43	378	375	C	-
2023-026H	Starlink-30042	27 February 2023	AFETR	92.11	43	379	376	C	-
2023-026J	Starlink-30044	27 February 2023	AFETR	92.08	43	378	375	C	-
2023-026K	Starlink-30051	27 February 2023	AFETR	92.1	43	379	376	C	-
2023-026L	Starlink-30057	27 February 2023	AFETR	92.09	43	378	376	C	-
2023-026M	Starlink-30054	27 February 2023	AFETR	92.07	43	377	375	C	-
2023-026N	Starlink-30060	27 February 2023	AFETR	92.09	43	378	376	C	-
2023-026P	Starlink-30058	27 February 2023	AFETR	91.85	43	366	364	C	-
2023-026Q	Starlink-30047	27 February 2023	AFETR	92.09	43	378	376	C	-
2023-026R	Starlink-30046	27 February 2023	AFETR	92.03	43	376	372	C	-
2023-026S	Starlink-30048	27 February 2023	AFETR	92.03	43	377	372	C	-
2023-026T	Starlink-30037	27 February 2023	AFETR	92.08	43	378	375	C	-
2023-026U	Starlink-30063	27 February 2023	AFETR	92.1	43	379	376	C	-
2023-026V	Starlink-30059	27 February 2023	AFETR	92.1	43	379	376	C	-
2023-026W	Starlink-30062	27 February 2023	AFETR	92.09	43	379	375	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)		

The following objects not previously reported were identified after the last report and remained in orbit as at 2359Z on 28 February 2023:

2022-156C	Lunar Ice Cube	16 November 2022	AFETR			Lunar Orbit		C	-
2022-156F	BioSentinel	16 November 2022	AFETR			Heliocentric Orbit		C	-
2022-156H	NEA-Scout	16 November 2022	AFETR			Heliocentric Orbit		C	-
2022-156J	LunaH Map	16 November 2022	AFETR			Lunar Orbit		C	-
2022-156K	LunIR	16 November 2022	AFETR			Lunar Orbit		C	-
2022-156L	Miles	16 November 2022	AFETR			Heliocentric Orbit		C	-
2022-156M	CuSP	16 November 2022	AFETR			Heliocentric Orbit		C	-

The following objects achieved orbit after the last report but were no longer in orbit as at 2359Z on 28 February 2023:

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 28 February 2023:

1970-025W	-	-	-	-	-	-	-	-	-	2 February 2023
1991-082BT	-	-	-	-	-	-	-	-	-	3 February 2023
2017-008N	-	-	-	-	-	-	-	-	-	3 February 2023
2017-008BF	-	-	-	-	-	-	-	-	-	3 February 2023
2017-008BP	-	-	-	-	-	-	-	-	-	3 February 2023
2018-088D	-	-	-	-	-	-	-	-	-	3 February 2023
2022-015D	-	-	-	-	-	-	-	-	-	3 February 2023
2019-071D	-	-	-	-	-	-	-	-	-	4 February 2023
2020-074AA	-	-	-	-	-	-	-	-	-	4 February 2023
2020-074AP	-	-	-	-	-	-	-	-	-	5 February 2023
2018-046E	-	-	-	-	-	-	-	-	-	6 February 2023
2017-008AN	-	-	-	-	-	-	-	-	-	7 February 2023
2017-008BU	-	-	-	-	-	-	-	-	-	7 February 2023
2017-008BZ	-	-	-	-	-	-	-	-	-	7 February 2023
2017-008CU	-	-	-	-	-	-	-	-	-	7 February 2023
2017-008CZ	-	-	-	-	-	-	-	-	-	7 February 2023
2017-008DG	-	-	-	-	-	-	-	-	-	7 February 2023
2019-071H	-	-	-	-	-	-	-	-	-	7 February 2023
2017-008BN	-	-	-	-	-	-	-	-	-	8 February 2023



<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>		
2017-008BS	-	-	-	-	-	-	-	-	8 February 2023
2019-071F	-	-	-	-	-	-	-	-	8 February 2023
2018-104J	-	-	-	-	-	-	-	-	9 February 2023
2019-074K	-	-	-	-	-	-	-	-	9 February 2023
2019-071G	-	-	-	-	-	-	-	-	10 February 2023
1966-025E	-	-	-	-	-	-	-	-	12 February 2023
2017-008BM	-	-	-	-	-	-	-	-	12 February 2023
2018-070C	-	-	-	-	-	-	-	-	12 February 2023
2017-008CG	-	-	-	-	-	-	-	-	13 February 2023
2018-046H	-	-	-	-	-	-	-	-	13 February 2023
2023-014AK	-	-	-	-	-	-	-	-	13 February 2023
1969-082J	-	-	-	-	-	-	-	-	14 February 2023
2017-008AS	-	-	-	-	-	-	-	-	14 February 2023
2018-111AD	-	-	-	-	-	-	-	-	14 February 2023
2018-111U	-	-	-	-	-	-	-	-	14 February 2023
1969-082AC	-	-	-	-	-	-	-	-	15 February 2023
2019-036R	-	-	-	-	-	-	-	-	15 February 2023
2017-008AP	-	-	-	-	-	-	-	-	16 February 2023
2017-008AR	-	-	-	-	-	-	-	-	17 February 2023
2017-008CB	-	-	-	-	-	-	-	-	18 February 2023
2017-008CF	-	-	-	-	-	-	-	-	18 February 2023
2017-008E	-	-	-	-	-	-	-	-	20 February 2023
2018-111W	-	-	-	-	-	-	-	-	20 February 2023
2017-008BH	-	-	-	-	-	-	-	-	21 February 2023
2020-025G	-	-	-	-	-	-	-	-	21 February 2023
2018-111V	-	-	-	-	-	-	-	-	23 February 2023
2019-036K	-	-	-	-	-	-	-	-	23 February 2023
2021-059AL	-	-	-	-	-	-	-	-	23 February 2023
2021-059BJ	-	-	-	-	-	-	-	-	24 February 2023
2021-006CE	-	-	-	-	-	-	-	-	26 February 2023
2021-059BN	-	-	-	-	-	-	-	-	27 February 2023
1970-025LZ	-	-	-	-	-	-	-	-	28 February 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)		
2017-008CM	-	-	-	-	-	-	-	-	28 February 2023
2017-008CP	-	-	-	-	-	-	-	-	28 February 2023
2017-008DA	-	-	-	-	-	-	-	-	28 February 2023
2017-008DF	-	-	-	-	-	-	-	-	28 February 2023
2017-068L	-	-	-	-	-	-	-	-	28 February 2023
2018-111AE	-	-	-	-	-	-	-	-	28 February 2023
2020-060B	-	-	-	-	-	-	-	-	28 February 2023
2020-088AW	-	-	-	-	-	-	-	-	28 February 2023

The following objects were not previously reported and were no longer in orbit as at 2359Z on 28 February 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; 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
- 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/1076	2022-064A	Globalstar FM15	Globalstar M087

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