

Space Activities in 2025

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Rev 1.0 - initial release

Rev 1.1 - redesignation of 2025-F02 failure to 2025-E01 pad explosion.

Rev 1.2 - miscellaneous data updates, noting 2025-313 launch issue

Rev 1.3 - Updated data, corrected mistakes in table 3

Rev 1.4 - Updated data

Preface

In this paper I present some statistics characterizing astronomical activity in calendar year 2025. In the 2014 edition of this review [1], I described my methodological approach and some issues of definitional ambiguity; that discussion is not repeated here, and it is assumed that the reader has consulted the earlier document, available at <https://planet4589.org/space/papers/space14.pdf> (The present work may be found as [space25.pdf](#) at the same location).

Most of the data in this paper is derived from my General Catalog of Artificial Space Objects [2]. Principal sources for orbital data are Space-Track [3], Celestrak [4], Mike McCants’ hobbyist elements [5], and the United Nations [6].

1 Orbital Launch Attempts

1.1 Launch statistics by country

During 2025 there were 329 orbital launch attempts from Earth, with 321 reaching orbit or marginal orbit. This includes three near-orbital Starship launches, to which I assigned launch designations 2025-U02, U03 and U04, and two launch failures which just missed orbit, 2025-U01 and U05. It also includes 2025-U06, which made 1.5 orbits but was not cataloged by the US Space Force.

Table 1(a) gives statistics for all orbital attempts; Table 1(b) includes only launches that reached orbit.

Table 1: (a) Orbital Launch Attempts

	2018	2019	2020	2021	2022	2023	2024	2025
USA	31	21	37	45	78	109	145	181
Russia	17	22	12	16	21	19	17	17
China	39	34	39	56	64	67	68	92
Europe	11	9	10	15	6	3	3	8
<i>India</i>	7	6	2	2	5	7	5	5
<i>Japan</i>	6	2	4	3	1	3	7	4
<i>Israel</i>	0	0	1	0	0	1	0	1
<i>Iran</i>	0	2	2	2	1	2	4	1
<i>North Korea</i>	0	0	0	0	0	3	1	0
<i>South Korea</i>	0	0	0	1	1	2	0	2
<i>New Zealand</i>	3	6	7	6	9	7	13	17
<i>Australia</i>	0	0	0	0	0	0	0	1
Other	16	16	16	14	17	25	30	31
Total	114	102	114	146	186	223	263	329

Electron is licensed in the USA but can be launched from Mahia, on New Zealand territory, by the New Zealand subsidiary of the US-headquartered Rocket Lab. Mahia-launched Electron rocket stages are registered with the UN by New Zealand. (see, e.g. [7].) I go back and forth on this, but for now I consider Electron flights from Mahia to be a New Zealand launch of a US-manufactured rocket, and include them under New Zealand in Tables 1a and 1b.

Table 1: (b) Launches Reaching Orbit

	2018	2019	2020	2021	2022	2023	2024	2025
USA	31	21	34	43	76	104	145	179
Russia	16	22	12	16	21	19	17	17
China	38	32	35	53	62	66	66	91
Europe	11	8	10	15	5	3	3	7
<i>India</i>	7	6	2	1	5	7	5	4
<i>Japan</i>	6	2	4	3	0	2	5	4
<i>Israel</i>	0	0	1	0	0	1	0	1
<i>Iran</i>	0	0	1	0	1	1	4	0
<i>North Korea</i>	0	0	0	0	0	1	0	0
<i>South Korea</i>	0	0	0	0	1	2	0	1
<i>New Zealand</i>	3	6	6	5	9	6	13	17
Other	16	14	14	9	16	20	27	27
Total	112	97	105	136	180	212	258	321

1.2 Launch failures and uncataloged orbital launches

During the year there were five orbital launch failures. In general I award partial success scores to launches which reach orbit but do not successfully deploy all their payloads in their targeted orbits; there were three such cases this year.

By a historical quirk, the ‘international designations’ for successful orbital launches are assigned by the US Space Force. I assign special designations for those launches not cataloged by the US. Launches that are marginally orbital or fall just short of orbital are given ‘U’ designations. Launches that completely fail to reach orbit are assigned ‘F’ designations; for details, see GCAT [8],[9].

Three Starship launches in 2025 reached marginal orbit with perigees either slightly negative or slightly positive. These are included in the count of orbital launches even though they did not complete one orbit of the Earth.

The H3 failure in December is still under review. It currently appears that the second stage and satellite were damaged at fairing separation, and it seems possible (but not confirmed) that the satellite fell off the vehicle at first stage separation while the second stage limped into orbit on its own.

The status of the Soyuz launch on Dec 28 is also still uncertain. It appears that the sixth burn of the Fregat stage malfunctioned and some of the payloads, including the Marafon satellites, were deployed in an incorrect orbit.

The KZ-1A pad failure, previously 2025-F02, is now understood to have been a ground test accident prior to launch ignition (analogous for example to the Amos 6 failure) and has been redesignated 2025-E01; it is not now included in the statistics.

Table 2: F and U launches in 2025

Table 2 (a): 2025 orbital launch failures and partial failures						
Designation	Date	LV Stage	LV	Payload	Type of failure	Launch Score
2025-F01	Jan 16	USA	Starship V2	Ship 33	Engines out	0.00
2025-F03	Mar 6	USA	Starship V2	Ship 34	Engines out	0.00
2025-F04	Mar 30	Germany	Spectrum	Going Full Spectrum	Lost attitude	0.00
2025-U01	Apr 29	USA	Firefly Alpha	LM-400 Tech Demo	S2 nozzle hit at sep	0.00
2025-F05	May 18	India	PSLV-XL	RISAT-1B	Stage 3 lost pressure	0.00
2025-F06	Jul 29	Australia	Eris Block 1	Test	Low thrust	0.00
2025-F07	Aug 15	China	Zhuque-2E	WHJSW 07?	Stage 2 failure	0.00
2025-F08	Sep 18	Iran	Zoljanah	Test?	Stage 1 failed?	0.00
2025-U05	Nov 10	China	Gushenxing 1	Jixing Gaofen 04C	Stage 4 early shutdown	0.00
2025-U06	Dec 22	Japan	H3-22S	QZS 5	PAF failed, sat fell off rocket	0.20
2025-F09	Dec 23	South Korea	HANBIT-NANO	Test	Stage 1 failed	0.00
2025-313	Dec 28	Russia	Soyuz-2-1B	Soyuz Rideshare 16	Some deploys to wrong orbit	0.95
Table 2 (b): 2025 other additional launch designations						
Designation	Date	LV Stage	LV	Payload	Type of launch	Launch Score
2025-U02	May 27	USA	Starship V2	Ship 35	Marginally suborbital	1.00
2025-U03	Aug 26	USA	Starship V2	Ship 37	Marginally suborbital	1.00
2025-U04	Oct 13	USA	Starship V2	Ship 38	Marginally suborbital	1.00

1.3 Commercial Launches

Of the 329 orbital launch attempts: 99 were carried out by governments; 15 by commercial companies under contract to their host governments, and 215 by commercial companies for commercial customers, including foreign governments.

I count US Commercial Cargo and Crew flights as ‘under contract to host government’; although the launch contract is through a commercial intermediary, the choice of vehicle is negotiated as part of a government contract.

In this table Rocket Lab is counted as a US launch provider, although in other contexts I count the New-Zealand-based launches as belonging to New Zealand, consistent with the UN registration documents.

Here G = Government; CO = Commercial operation of government developed rocket; CG = commercial service provision to government; CX = Fully commercial service (but customers may include govt); C = Fully commercial (no govt involved); A = Amateur, academic, non-profit. See the 2014 document for full discussion; in 2022 the letter codes were altered to the current list and are now used in the online GCAT launch database.

Table 3: Commercial vs. government launches

Launch Provider	Launches	Type	Customers		
			Gov.	Comm.	Other gov
US Launch Providers					
BLOR New Glenn	2	C	0	2	0
FFLY Alpha	1	C	0	1	0
LM Atlas V	5	C	0	5	0
LM Vulcan	1	C	0	1	0
NGIS Minotaur IV/V	1	CG	1	0	0
RLA BLB Electron	18	C	0	18	0
SPX Falcon 9	165	CX	10	151	4
SPX Starship	5	C	0	5	0
European Launch Providers					
AESP Ariane 5/6	4	G	4	0	0
AESP Vega	3	G	3	0	0
ISAR Spectrum	1	C	0	1	0
Russian Launch Providers					
KHRO Angara	4	G	4	0	0
MORF Soyuz	4	G	4	0	0
ROSK Soyuz	9	G	9	0	0
Chinese Launch Providers					
CALT CZ-11	1	G	1	0	0
CALT CZ-2C	3	G	3	0	0
CALT CZ-2F	3	G	3	0	0
CALT CZ-3	15	G	15	0	0
CALT CZ-5	4	G	4	0	0
CALT CZ-7	7	G	7	0	0
CALT CZ-8	7	G	6	1	0
CASC CZ-2D	1	CG	0	1	0
CASIC KZ-11	1	CO	0	1	0
CASIC KZ-1A	2	C	0	2	0
CZHJ JL-3	4	C	0	4	0
DFK Yinli-1	1	C	0	1	0
LANDSP Zhuque-2E	2	C	0	2	0
LANDSP Zhuque-3	1	C	0	1	0
SAST CZ-2D	6	G	5	0	1
SAST CZ-4	7	G	7	0	0
SAST CZ-6	11	G	9	2	0
SAST Chang Zheng 12	3	G	3	0	0
SAST Chang Zheng 12A	1	G	1	0	0
XIDO Gushenxing-1	6	C	0	6	0
XJRY SQ-1	1	C	0	1	0
ZKYT ZK-1	5	C	0	5	0
Other Launch Providers					
GILM Eris Block 1	1	C	0	1	0
INNOSP HANBIT-NANO	1	C	0	1	0
IRGC Zoljanah	1	G	1	0	0
ISA Shavit	1	G	1	0	0
ISRO GSLV3	1	G	1	0	0
ISRO PSLV/GSLV	3	CO	3	0	0
JAXA H3	3	G	3	0	0
KARIK KSLV2	1	G	1	0	0
MHI H-II	1	CG	1	0	0
NSIL GSLV3	1	CO	0	1	0
Total	329		110	214	5

2 Satellite Launch Statistics

2.1 Satellites of the major space powers

Here I give total payloads (1) launched (Table 4) and (2) deployed (Table 5). Some satellites launched in previous years (e.g. to the ISS) were not deployed until 2025.

The 8 ANDESITE Node satellites launched in 2019 attached to the ANDESITE satellite [10] have not been deployed. Neither has the CAS-5B amateur radio satellite, as far as I can tell.

Not included are satellites which did not reach orbit due to launch failures.

Also not included in the count, but listed at the end of Appendix 2c, are several objects which are marginal cases.

Note that the correlation of specific satellites from a multi-satellite launch with specific catalog numbers (and thus, tracked objects) is uncertain in some case. This is indicated in the appendices with a question mark following the piece (international) designation.

It is unknown which company and which country is responsible for the three Semi/Baryon satellites launched aboard the Bandwagon-4 mission, and these are currently tagged as Unknown.

Table 4: Payloads launched per year

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Russia	15	24	23	31	22	20	51	67	98	87
USA	94	282	303	281	974	1237	1945	2231	2270	3720
China	40	36	98	73	74	111	182	212	265	371
Europe	22	42	60	50	134	357	190	252	114	147
Other	50	60	84	65	59	99	127	146	116	201
Total	221	444	568	500	1263	1824	2495	2908	2863	4526

The 4522 satellites listed here and in Appendix 2b as having been deployed during 2025 include some satellites launched in previous years and deployed in 2025.

Table 5: Payloads deployed per year

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Russia	14	25	23	29	22	19	50	67	98	87
USA	105	288	188	366	985	1234	1940	2231	2266	3725
China	40	36	95	74	72	113	181	210	265	371
Europe	21	43	57	50	135	355	187	244	115	145
Other	44	65	81	61	58	93	123	147	113	194
Total	224	457	444	580	1272	1814	2481	2899	2857	4522

2.2 Satellite ownership by country

I now break this down by class for 2025 (first the launch powers, then other countries).

In 2025 the satellites deployed were owned by 52 countries.

In general I consider western Europe, loosely defined, as a single 'space power' because of the tight integration of its aerospace industry. Within this view, the four leading space powers are USA, China, Russia and (W) Europe. The second tier of space powers is comprised of Japan and India; all others are lumped as 'Other', further broken down regionally (and arbitrarily) for convenience. The 'Other' powers have limited or no launch capability of their own. (South Korea and Canada have space industries that make them candidates for the second tier in the near future). Countries which owned satellites covered in previous editions of the report are included in the table even if they had no new satellites this year.

I note that the US company E-Space operates satellites formally owned by its Rwandan subsidiary, and they are flagged as Rwandan in Space-Track. This appears to be merely a 'flag of convenience'.

Table 6: 2025 payloads launched by owner country and class

		A Academic/ NonProfit	B Business/ Commercial	C Civil	D Defense	SS Spaceship	Total Number
USA		15	3529	19	150	7	3720
China		6	164	154	43	4	371
Russia		9	50	5	18	5	87
F	France	0	19	6	1	0	26
DK	Denmark	0	1	0	1	0	2
D	Germany	2	16	1	0	0	19
I	Italy	1	16	14	0	0	31
E	Spain	4	8	1	2	0	15
UK	UK	0	10	1	0	0	11
L	Luxembourg	1	3	0	0	0	4
N	Norway	0	3	1	0	0	4
P	Portugal	1	1	0	0	0	2
FI	Finland	1	12	0	0	0	13
I-ESA	ESA	0	0	3	0	0	3
GR	Greece	1	3	0	0	0	4
CH	Switzerland	0	4	0	0	0	4
I-EUM	EUMETSAT	0	0	2	0	0	2
I-EU	EU	0	0	4	0	0	4
IE	Ireland	0	1	0	0	0	1
Europe (W)		11	97	33	4	0	145
Japan		11	18	5	0	1	35
India		0	9	2	1	0	12
BGN	PR Bulgaria	0	1	0	0	0	1
CZ	Czech Republic	1	1	0	1	0	3
PL	Poland	4	3	0	0	0	7
HU	Hungary	1	2	0	0	0	3
BY	Belarus	2	0	0	0	0	2
ME	Montenegro	0	1	0	0	0	1
Europe (E)		8	8	0	1	0	17
UY	Uruguay	0	3	0	0	0	3
MX	Mexico	1	2	0	0	0	3
EC	Ecuador	1	0	0	0	0	1
Latin America		2	5	0	0	0	7
UAE	UAE	3	6	4	0	0	13
PK	Pakistan	1	0	3	0	0	4
TR	Turkey	0	22	0	0	0	22
IL	Israel	9	0	1	1	0	11
BH	Bahrain	0	0	1	0	0	1
IR	Iran	0	1	3	0	0	4
SA	Saudi Arabia	0	0	2	0	0	2
EG	Egypt	0	0	1	0	0	1
KW	Kuwait	0	1	0	0	0	1
QA	Qatar	1	0	0	0	0	1
Middle East		14	30	15	1	0	60

		A Academic/ NonProfit	B Business/ Commercial	C Civil	D Defense	SS Spaceship	Total Number
TW	Taiwan	4	4	1	0	0	9
MY	Malaysia	1	2	0	0	0	3
T	Thailand	1	1	0	0	0	2
KR	South Korea	5	11	6	2	0	24
SG	Singapore	1	0	0	0	0	1
ID	Indonesia	1	1	0	0	0	2
AZ	Azerbaijan	1	0	0	0	0	1
NP	Nepal	1	0	0	0	0	1
Asia (other)		15	19	7	2	0	43
BW	Botswana	1	0	0	0	0	1
RW	Rwanda	0	5	0	0	0	5
TN	Tunisia	0	1	0	0	0	1
Africa		1	6	0	0	0	7
Canada		0	6	0	0	0	6
AU	Australia	1	11	0	0	0	12
SB	Solomon Is.	1	0	0	0	0	1
NZ	New Zealand	1	0	0	0	0	1
Australasia		3	11	0	0	0	14
Total		95	3952	240	220	17	4524

Table 7: Mass (tonnes) of 2025 payloads launched by owner country and class

		A Academic/ NonProfit	B Business/ Commercial	C Civil	D Defense	SS Spaceship	Total Mass (tonne)
USA		0.3	2514.4	3.9	99.8	93.6	2712.0
China		0.3	35.8	141.9	100.3	37.5	315.8
Russia		1.5	0.4	11.4	11.1	36.7	61.1
F	France	0.0	0.4	1.3	3.6	0.0	5.3
I	Italy	0.0	1.8	0.6	0.0	0.0	2.3
E	Spain	0.0	0.3	0.0	12.2	0.0	12.5
UK	UK	0.0	3.9	0.0	0.0	0.0	3.9
FI	Finland	0.0	1.1	0.0	0.0	0.0	1.1
I-ESA	ESA	0.0	0.0	1.3	0.0	0.0	1.3
I-EUM	EUMETSAT	0.0	0.0	7.8	0.0	0.0	7.8
I-EU	EU	0.0	0.0	4.8	0.0	0.0	4.8
Europe (W)		0.0	9.0	15.8	15.8	0.0	40.7
Japan		0.0	2.2	7.9	0.0	16.0	26.1
India		0.0	0.4	4.6	4.4	0.0	9.4
Europe (E)		0.1	0.2	0.0	0.0	0.0	0.3
Latin America		0.0	0.1	0.0	0.0	0.0	0.1
UAE	UAE	0.0	5.4	1.2	0.0	0.0	6.7
PK	Pakistan	0.0	0.0	1.3	0.0	0.0	1.3
IL	Israel	0.0	0.0	4.5	0.3	0.0	4.8
Middle East		0.0	5.9	7.4	0.3	0.0	13.6
KR	South Korea	0.0	1.3	1.8	1.6	0.0	4.8
ID	Indonesia	0.0	7.8	0.0	0.0	0.0	7.8
Asia (other)		0.1	9.4	2.2	1.6	0.0	13.3
Africa		0.0	0.2	0.0	0.0	0.0	0.2
Australasia		0.0	0.6	0.0	0.0	0.0	0.6
Total		2.3	2578.8	195.2	233.3	183.7	3193.4

2.3 Satellite manufacture by country

Most countries build only very small (cubesat) satellites, purchasing their larger satellites from one of the main space powers. Here I tabulate the manufacturers of the 42 satellites launched in 2025 with estimated launch masses of 100 kg or more.

HSF is 'Human spaceflight', including related robotic missions such as cargo ships to support ISS. 'Surv.' is surveillance, including early warning and space debris surveillance; visible and radar imaging recon satellites and weather sats are under 'Imaging'. Microgravity research, geodesy and planetary probes are included under Sci (Science). Satellites built in the UK, France, Germany, Italy, Spain and the Netherlands are lumped together as 'EUR' to reflect the integration of the western European aerospace industry.

Table 8: 2025 payloads by manufacturer country - 100 kg and up only

	HSF	Comms	Imaging	Nav	SIGINT	Surv.	Sci	Tech	Total
USA	8	3400	104	2	4	1	14	9	3542
RU	5	6	11	2	0	0	3	2	29
PRC	4	195	40	43	11	1	3	16	313
EUR	0	4	14	3	3	0	5	10	39
Lithuania	0	1	2	0	3	0	0	0	6
UAE	0	0	2	0	0	0	0	0	2
Japan	1	0	9	1	0	0	1	1	13
Taiwan	0	0	1	0	0	0	0	0	1
Turkey	0	0	0	2	0	0	0	1	3
India	0	1	1	1	0	0	0	0	3
Pakistan	0	0	2	0	0	0	0	0	2
Argentina	0	0	0	0	0	0	0	1	1
South Korea	0	0	4	0	0	0	0	1	5
Israel	0	1	1	0	0	0	0	0	2
Australia	0	0	1	0	0	0	0	0	1
Iran	0	1	0	0	0	0	0	1	2
Total	18	3609	192	54	21	2	26	42	3964

3 Military Space Activities

Military satellites include navigation, communications, and technology development missions in addition to the intelligence gathering activities that I report here.

Notably, the OTV 7 spaceplane, launched in 2023, landed from an elliptical aerobraking orbit on Mar 7.

3.1 Space Surveillance

The US Space Development Agency continued deploying its PWSA missile tracking and data relay system. 21 Praetorian data relay satellites from York Space Systems were launched on Sep 10; 21 T1TL-C data relay satellites built by Lockheed Martin and Terran Orbital were launched on Oct 14.

The LDPE-2 tug, launched in 2022, and one of the USSF-51 payloads launched in 2024, continued to deploy subsatellites in near-synchronous (but classified) orbits, for a mission that remains obscure. USA 554, launched with the NTS 3 navigation technology sat on Vulcan flight 3 in August, is also near-synchronous.

TJS 14, launched by China on Jan 23 to 18.4E in GEO, may be a Huoyan early warning satellite.

Russia's Kosmos-2588, launched on May 23, is thought to be a Nivelir-L satellite that is making remote observations of US satellites.

Kosmos-2589 and Kosmos-2590 in highly elliptical synchronous orbit may be carrying out observations of GEO satellites, but their primary mission appears to have been a technology test related to satellite servicing, and they may have docked during 2025 Sep. They remained close to each other until Nov 14. They then separated to maintain a 3000 km separation.

3.2 Optical Imaging

2025 continued deployment of the US NRO/SpaceX proliferated Starshield constellation. It is not clear whether these satellites carry communications, imaging, or sigint payloads, or a mixture. 89 Starshield satellites were launched in 2025.

China launched three imaging satellites in a new series, codenamed Yaogan 45, 46 and 47. Yaogan 45 and 46 were a new system, presumably for wide area surveillance, launched to a 7500 km, 20 deg inclination MEO. Yaogan 47 is a conventional large LEO imaging spy satellite, as is Gao Fen 14-02, launched by CZ-3B on Oct 26, and the experimental Shi Jian 26, launched on May 29.

The OO-MKA small LEO satellites launched by Russia in Feb and Aug may be imaging satellites, although they also carried out mutual maneuvers. Kosmos-2583 ejected an object that may be a subsatellite.

France launched the CSO-3 imaging satellite on Mar 6.

3.3 Radar Imaging

The six Shiyang 27 sats launched by China on Apr 18 are thought to be an experimental radar imaging constellation.

South Korea's ADD launched two more radar satellites on Apr 22 and Nov 2. Israel launched Ofeq-19 on Sep 2.

3.4 Signals Intelligence

The US NRO launched two INTRUDER class LEO signals intel satellites; USA 498 on Mar 24 and USA 570 on Dec 9.

USA 521/522, two satellites launched on a Minotaur on Apr 16, may also be related to this program.

China launched six small Yaogan-40 LEO satellites as well as several TJS missions, some of which are likely sigint and some technology tests. In particular, I believe the CZ-5 launches of TJS 20 and TJS 23 are likely to be sigint missions. The Molniya orbit satellite TJS-21 may also be a sigint satellite.

The mission of a new series of satellites which eject apogee motors on reaching GEO, TJS 15, TJS 17 and TJS 19, is unclear.

3.5 Mozhaets-6

The Russian satellite Mozhaets-6 (Kosmos-2596) was launched on 2025 Sep 13 as a secondary payload on a Glonass-K1 launch (Kosmos-2595) By 2025 Dec the US Space Force had not released any orbital data for it, although it's likely that some of the early orbital data for Kosmos-2595 are really cross-tagged data that belong to the Mozhaets.

3.6 Summary of the TJS series and other high orbit secret Chinese satellites

The first TJS (Tongxing Jishu Shiyan Weixing, *Experimental Communications Technology Satellite*) satellite was launched in 2015. The series is cover name for several programs. Here is my provisional assessment of the TJS series. Some satellites ejected an apogee kick motor before entering GEO (labelled AKM in the table). However, although an object which separated from the TJS 3 satellite was labelled as as apogee motor by US Space Force, it was acutally a manueverable subsatellite (see the Subsat column) and is unique in that respect within the TJS series. The three separating-apogee-motor satellites include two CZ-3B and one CZ-3C launch; it is not clear if the latter is a separate subseries.

The SJ(Shi Jian Weixing, *Application Satellite*) series name goes back to the early 1970s. It has recently been used for a number of high orbit satellites. The SY (Shiyan Weixing, *Experimental Satellite*) series goes back to the early 2000s and also has been used for some high orbit satellites as well as LEO ones. It appears that SY satellites are fully experimental/R&D, while SJ satellites are more mature projects but still pre-operational. However, it's unclear whether the SY and SJ cover names and the TJS cover name have overlap in the underlying programs, so they are included here. Only GEO and Molniya orbit SJ and SY satellites are included in the following table (not LEO ones).

Launch	Satellite	Launch	LV	AKM?	Subsat?	Program	Location
Qianshao-3 sigint (CZ-3B)							
2015-046	TJS 1	2015 Sep 12	CZ-3B	N	N	Qianshao-3	155.0E
2019-070	TJS 4	2019 Oct 17	CZ-3B	N	N	Qianshao-3	83.5E
2021-135	TJS 9	2021 Dec 29	CZ-3B	N	N	Qianshao-3	137.2E
Huoyan missile warning (CZ-3B)							
2017-001	TJS 2	2017 Jan 5	CZ-3B	N	N	Huoyan	107.5E, 66.5E
2020-002	TJS 5	2020 Jan 7	CZ-3B	N	N	Huoyan	178.5E, 107.5E
2021-010	TJS 6	2021 Feb 4	CZ-3B	N	N	Huoyan	178.5E
2021-077	TJS 7	2021 Aug 24	CZ-3B	N	N	Huoyan ?	146.5E, 99.5W
2024-246	TJS 12	2024 Dec 20	CZ-3B	N	N	Huoyan	146.5E
2025-017	TJS 14	2025 Jan 23	CZ-3B	N	N	Huoyan ?	18.4E
2025-290	TJS 22	2025 Dec 9	CZ-3B	N	N	Huoyan?	66.5E
TJS with ejected apogee motor (CZ-3B, CZ-3C)							
2025-045	TJS 15	2025 Mar 9	CZ-3B	Y	N	TJS-15	90.3E, 94.4E
2025-073	TJS 17	2025 Apr 10	CZ-3B	Y	N	TJS-15	152.8E, 164.5E
2025-097	TJS 19	2025 May 12	CZ-3C	Y	N	TJS-15?	141.2E
CZ-7A launches, possibly Huoyan-2 series?							
2023-169	TJS 10	2023 Nov 3	CZ-7A	N	N	Huoyan-2?	173.0E
2025-064	TJS 16	2025 Mar 29	CZ-7A	N	N	Huoyan-2?	152.5E, 160.6E
2025-277	SJ-28	2025 Nov 30	CZ-7A	N	N	Unknown	116.8E

CZ-5 launches, possibly replacing Qianshao-3?							
2017-F03	SJ-18	2017 Jul 2	CZ-5	N?	N?	?	Failed to orbit
2024-037	TJS 11	2024 Feb 23	CZ-5	N	N	TJS-11	120.3E
2025-238	TJS 20	2025 Oct 23	CZ-5	N	N	TJS-11	62.5E
2025-306	TJS 23	2025 Dec 20	CZ-5	N	N	TJS-11	175.5E
GEO multi-location surveillance (CZ-3C)							
2018-110	TJS 3	2018 Dec 24	CZ-3C	N	Y	TJS-3	59.0E, various
CZ-5 launches of SJ satellites - GEO multilocation surveillance							
2016-065	SJ-17	2016 Nov 3	CZ-5/YZ-2	N	N	SJ-17	Various
2019-097	SJ-20	2019 Dec 27	CZ-5	N	N	SJ-17?	Various
CZ-7A launches of SJ and SY satellites - GEO drift surveillance							
2021-129	SY12-01	2021 Dec 23	CZ-7A	N	N	SY-12	GEO drift
2021-129	SY12-02	2021 Dec 23	CZ-7A	N	N	SY-12	GEO drift
2023-002	SJ-23	2023 Jan 8	CZ-7A	Y	N	SJ-23	GEO drift
SJ servicing satellites							
2021-094	SJ-21	2021 Oct 24	CZ-3B	N	Y	SJ-21	Various
2025-002	SJ-25	2025 Jan 6	CZ-3B	N	N	SJ-21	Various
SY inclined GEO sats							
2020-F02	XJY-6	2020 Mar 16	CZ-7A	-	-	XJY	Failed to orbit
2021-019	SY-9	2021 Mar 11	CZ-7A	N	N	XJY?	146E
2025-196	SY-29	2025 Sep 5	CZ-3C/YZ-1	N	N	SY29	95E, inclined 29 deg
SJ communications satellite tests							
2017-018	SJ-13 (ZX-16)	2017 Apr 12	CZ-3B	N	N	ZX	110.5E
Molniya orbit launches (CZ-3B)							
2021-087	SY10-01	2021 Sep 27	CZ-3B	N	N	SY-Mol	Molniya
2022-178	SY10-02	2022 Dec 29	CZ-3B	N	N	SY-Mol	Molniya
2024-227	TJS 13	2024 Dec 3	CZ-3B	N	N	TJS-Mol	Molniya
2025-269	TJS 21	2025 Nov 21	CZ-3B	N	N	TJS-Mol	Molniya

3.7 USA satellite designations in 2025

The USA satellite designations were introduced in 1984 for US military satellites, to obscure the missions of the secret ones. Here is an index of USA names assigned in 2025, including satellites launched earlier but deployed and cataloged during the year.

The agency abbreviations are:

AFRL	Air Force Research Lab
Del 4	Delta 4, US Space Force
Del 8	Delta 8, US Space Force
Del 9	Delta 9, US Space Force
NRO	US National Reconnaissance Office
SSC	Space Systems Command, LAAFB, US Space Force
USSF	US Space Force
AFRCO	Rapid Capabilities Office, WPAFB, US Sace Force

I note the release of a substantial number of classified subsatellites in near-synchronous orbit by the 2022-144 and 2024-134 missions.

Table 10: USA satellite designations 2025

Cover name	Other name	Piece name	Agency	Orbit	Notes
USA 463-484	Starshield Launch 6?	2025-005	NRO	350 x 351 x 70.0	Unknown
USA 485-486	Starshield Launch B3	2025-058	NRO	309 x 313 x 43.0	Unknown
USA 487-497	Starshield Launch 7?	2025-058	NRO	498 x 505 x 70.0	Unknown
USA 498	INTRUDER 18?	2025-060	NRO	908 x 1306 x 64.0	Sigint
USA 499-520	Starshield Launch 8?	2025-074	NRO	281 x 325 x 70.0	Unknown
USA 521-522	NRO Smallsat 15/16	2025-077	NRO	1097 x 1124 x 63.4	Sigint?
USA 523-544	Starshield Launch 9?	2025-079	NRO	285 x 293 x 70.0	Unknown
USA 545	GPS III SV08	2025-116	USSF	20178 x 20185 x 55.0	Navigation
USA 546-548	ESPASat?	2022-144	USSF	36000 x 36100? x 4?	Unknown
USA 549-550	Starshield Launch B4	2025-165	NRO	312 x 326 x 97.6	Unknown
USA 551-553	ESPASat?	2022-144	USSF	36000 x 36100? x 4?	Unknown
USA 554	ESPASat?	2025-173	USSF	36000 x 36100? x 4?	Unknown
USA 555	X-37B OTV-8	2025-183	AFRCO	327 x 334 x 49.5	Spaceplane
USA 556-557	ESPASat?	2022-144	USSF	36000 x 36100? x 4?	Unknown
USA 558-565	Starshield Launch 10?	2025-213	NRO	464 x 469 x 70.0	Unknown
USA 566-569	ESPASat?	2024-134	USSF	36000 x 36100? x 4?	Unknown
USA 570	INTRUDER 19?	2025-291	NRO	1008 x 1207 x 63.4	Sigint

4 Special Topics

4.1 SpaceX Starship

SpaceX's new Starship launch vehicle had five test flights during the year. The 2024 flights had used the V1 version of the Ship upper stage, while the 2025 flights, flight tests 7 to 11, used the more capable V2 (Block 2) version. The Block 2 booster was substantially the same as for Block 1.

The test flights, launched from the Starbase site in Texas, targeted an approximately 0 x 192 km marginal orbit. Flight tests 7, 8 and 9 suffered failures in the ascent phase while flights 10 and 11 were largely successful with controlled descent to the Indian Ocean.

- Flight 7 was launched at 2237 UTC Jan 16 from Starbase, Texas, but failed to reach orbit. I assign designation 2025-F01 to the launch. Super Heavy Booster 14 reached an apogee of 91 km, performed a boostback burn, and was caught by the launch tower.

Ship 33 separated from Booster 14 at 2m40s. There are three 'center' and three 'outboard' Raptor engines on Ship. At T+7:40 one center engine went out, followed at T+8:02 by a second center one and T+8:04 by the adjacent outboard one.

At T+8:18 Ship lost a second outboard engine. At T+8:24 the final one of the three center engines failed, and loss of signal with the vehicle occurred at T+8:26, at an altitude of 146 km, 27s prior to planned end of propulsion.

At this point, 2245 UTC, the vehicle was in a roughly -3170 x 146 km x 26.4 deg orbit. Either a RUD or an automated destruct now occurred and Ship 33 was destroyed. The debris was observed a couple of minutes later over the Turks and Caicos, with numerous tiles falling on the islands. Denser parts of the ship would have reentered over the ocean north of Puerto Rico and the British Virgin Is around 2249 UTC.

- The eighth Starship test flight was launched on 2025 Mar 6 from Starbase using Booster 15 and Ship 34. The Booster successfully returned for a tower catch. The Ship again failed late in the ascent burn, with loss of signal at T+9m35s, and was destroyed over the Bahamas.

Four Starlink simulators were carried, and would have been used to test the dispenser.

- The ninth Starship test flight was launched on 2025 May 27 from Starbase using Booster 14 and Ship 35. The Booster, the first to be reflown, performed a separation maneuver whose tipoff direction was accurately controlled for the first time. After a descent profile designed to stress the system, it was to attempt a simulated soft landing in the Gulf of Mexico. However, the rocket exploded upon landing burn ignition.

Ship separation, ignition and propulsion were successful, putting Ship on the planned suborbital trajectory.

Eight Starlink simulators were carried, and would have been used to test the dispenser. However the dispenser door did not open fully and was closed again without simulator deployment. Shortly after, propellant leaks caused loss of attitude control, resulting in cancellation of the planned Raptor restart test. The main fuel tank pressurization system diffuser failed, causing the leaks.

With no attitude control on reentry over the Indian Ocean, Ship was destroyed with flap burnthrough at 64 km and loss of signal at around 59 km, 47 min into the flight.

I can't quite get the height and velocity curves from the webcast to yield a consistent orbit solution. The height values are well fit by -15 x 189 km; the velocity values suggest more like +5 x 189 km x 26.5 deg. I suspect the latter is closer to correct.

Target orbit was +1 x 215 km, as for flights 3 to 8.

- The tenth Starship test flight was launched on 2025 Aug 26 from Starbase using Booster 16 and Ship 37 on a marginal orbit trajectory with a near-zero perigee height. The Booster was flown on a test trajectory including a flip separation maneuver and a landing burn using a backup engine and then a two engine touchdown on the Gulf of Mexico; no attempt to return to launch site was made.

Ship carried eight Starlink simulators, which were deployed from the payload bay, and carried out an in-space Raptor restart, which occurred at 145 km on descent. Based on the webcast height and velocity figures, the burn was around 22 m/s posigrade and increased the orbit from around 2 x 192 km to 47 x 220 km. Pre and post burn perigees are uncertain by at most 10 km.

Ship carried test experimental thermal tiles and flew an entry profile designed to stress the flaps. Entry was over the Indian Ocean. The aft skirt suffered a small explosion and partial structural failure during descent, but the Ship carried on to a controlled soft landing on the ocean surface. Postflight reports suggested the landing burn was late and underpowered, resulting in a harder than expected touchdown. As expected, a few seconds after touchdown, the ship toppled and exploded.

- Starship flight 11 was on 2025 Oct 13.

Starship Booster 15, on its second flight, was launched from Starbase, Texas carrying Ship 38. The booster was flown under control to a destructive splashdown in the Gulf. Ship completed a successful burn to an orbit of (-1 plus or minus 5) x 192 km x 26 deg. Near apogee it released eight more dummy Starlink payloads. During descent, one engine was restarted to raise perigee to about +50 km. The vehicle survived reentry and made a successful intact splashdown in the Indian Ocean. As expected, about 13s later it toppled over and exploded, completing a successful flight.

4.2 SpaceX Starlink

The Starlink internet constellation is by far the largest satellite constellation and is now a majority of all active satellites - 66 percent of the 14132 satellites assessed to be active as of 2025 Dec 13.

The constellation currently consists of ten shells of satellites at different altitudes and four inclinations. Most of the older V1.0 satellites have been retired. V1.5 satellites continue in service as well as the larger V2 Mini and V2 Mini Optimized models. 674 V2 Mini Direct-To-Cell (DTC) satellites operate in the two lowest orbital shells. SpaceX continues to rearrange the constellation, with some V2Mini satellites being lowered from the 540-560 km shells to the 450-500 km range during 2025, possibly to ensure rapid reentry in case of failure and/or to provide stronger signal reception.

- 70 deg, 572 km (336 V1.5 Group 2 and 222 V2Mini Group 15)
- 97 deg, 563 km (109 V1.5 Group 3)
- 43 deg, 559 km (652 V1.5 Group 5 and 615 V2Mini Group 6)
- 97 deg, 549 km (99 V1.5 Group 3 and 290 V2Mini Group 13,17)
- 53 deg, 547 km (574 V1.0)
- 53 deg, 540 km (1369 V1.5 Group 4)
- 43 deg, 483 km (1414 V2Mini Group 6,12,13)
- 53 deg, 475 km, (1838 V2Mini Group 7,8,9,10,11)
- 53 deg, 359.7 km (313 V2Mini Group 7, 8, 9 DTC)
- 43 deg, 356.5 km (326 V2Mini Group 12 DTC)

By 2025 Dec 25, 10801 Starlink satellites had been launched. 1391 (13%) had reentered, mostly as a result of deliberate retirement although I assess that 134 (1.2%) had failed prior to reentry, with a further 11 (0.10%) currently failed in orbit undergoing natural orbital decay. One satellite (Starlink-35956) has undergone a debris-generating in-orbit breakup (This recent event is still being assessed). Of the 9399 working Starlinks in orbit, 8163 are assessed to be in the operational orbit shells (including 154 out-of-shell undergoing phasing relocations) with 897 still orbit raising and 339 undergoing orbit lowering for retirement.

4.3 Commercial Secrecy

In recent years it has become more common for launch providers to launch commercial satellites without identifying the owner of the satellite or even the launching state, in contravention of 68-year-long common state practice and of at least the spirit, and perhaps the letter, of UN Res 1721B and the Registration Convention.

In some cases, the identify of the satellites has become public some time after launch, or at least has become possible to infer. In other cases the satellites are still unknown. I strongly deplore this situation - the tradition of sharing launch information on satellites has helped us to avoid concerns that military satellites, and even weapons, are being hidden among the mass of commercial ones. It also raises the issue of who will be liable if one of the unidentified satellites were to collide with someone else’s payload. I hereby call on national launch licensing authorities to require launch providers to identify the owners, or *at least* nationalities, of each satellite on a launch. I’m looking at you here in particular, US OCST and New Zealand Space Agency.

In 2025, the following satellites were launched anonymously:

Launch	Date	Satellite Name	Owner	Space-Track In?	Country	Status Dec 2025
SpaceX Transporter 12	2025 Jan 14	FUSION 1	Seiren Co.	No	(Japan)	Belatedly announced
SpaceX IM-2	2025 Feb 2	Orbit Guard 2	Infinite Orb.	No	(France)	Cubesat attached to failed Chimera tug; never officially confirmed
SpaceX Bandwagon 4	2025 Nov 2	Semi-1, 2, 3 (Baryon-1L,1N,1P)	Unknown	No	UNK	Still unknown
Rocket Lab Elec. 68	2025 Jun 28	Lyra-4	Echostar AU	Yes	Australia	Belatedly in Space-Track
Rocket Lab Elec. 70	2025 Aug 23	Calistus A to E	E-Space?	Yes	Rwanda	Guessed from country
Rocket Lab Elec. 76	2025 Nov 20	Global-33	BlackSky	Yes	USA	Belatedly announced

This issue is separate from, although related to, the problem of operators not telling Space Force which catalog number corresponds to their satellite, leading to large numbers of unidentified satellites in the official US catalog. For example, the NASA-Ames PY4 satellites were launched in Mar 2024 and although announced in press releases, were never identified with specific objects in Space-Track. It’s embarrassing when this happens for US government satellites, and sets a bad example. I suspect the PY4 sats were 59109, 59138, 59139, and 59144, all of which have now reentered.

If anyone has any information about the owners of Semi-1/2/3 (Baryon-1L/1N/1P), I encourage you to share it with me!

4.4 Scientific Programs

Significant scientific launches during 2025 included a trio of spacecraft sent by the USA to Sun-Earth Lagrange 1: NOAA's Space Weather Follow On (SWFO-L1), NASA's IMAP to study neutral atoms in the heliosphere, and NASA's Carruthers Geocorona Observatory to study the hydrogen halo of the Earth. The major astronomy launch was NASA's SphereX, which will carry out an infrared sky survey. Also notable were NASA's PUNCH quartet of heliophysics probes, Japan's Ibuku-GW greenhouse gas monitor, and China's Zhangheng 1-02 seismic monitoring satellite.

Russia launched a second pair of Ionosfera-M satellites to study the ionosphere.

Lunar missions included Firefly Aerospace's Blue Ghost, which successfully landed; Intuitive Machines' IM-2, which made a partially successful landing but tipped over and was unable to deploy its MAPP rover payload; Japanese iSpace's Resilience lander, which crashed at landing; and Lunar Trailblazer, which failed to enter lunar orbit. Other deep space missions including Odin from AstroForge, an asteroid survey mission, and Epic Aerospace's Chimera GEO-1, a space tug which was to head to GEO after a lunar encounter. Both of these missions failed. China's Tianwen-2 asteroid mission and UC Berkeley's ESCAPE Blue and Gold Mars orbiters were launched during the year and are en route to their targets.

4.5 Chinese LEO communications satellites

A bewildering variety of poorly documented Chinese low orbit communications satellite systems launched in the past decade appear to have consolidated into two main internet constellations: the government Xingwang (also sometimes nicknamed Guowang) and the commercial Qianfan.

Xingwang (SatNet) is short for 'WeiXING HuilanWANG' (Satellite Internet) and the operational Xingwang satellites are launched under the name Weixing Hulanwang Digui Weixing (Satellite Internet Low Orbit Satellite, WHDW), with some test satellites called Weixing Hulanwang Jishu Shiyan Weixing (Satellite Internet Technology Test Satellite, WHJSW). The WHDW satellites are in two shells, one at 1168 km and 86.5 deg, and the other at 1149 km and 50.0 deg. The Qianfan satellites are labelled as Qianfan Jigui NN zu weixing (Qianfan Polar Orbit Group NN satellites). They are in a 1069 km, 89.0 deg shell.

Xingwang and Qianfan, 2025									
Desig	Mission	Launch date	LV	Site	No of sats	Manuf.	Deploy ht	Op. ht	Inc
Xingwang test launches									
2023-095	WHJSW-1	2023 Jul 9	CZ-2C/YZ-1S	JQ	2	CAST	1105	1110	86.5
2023-181	WHJSW-2	2023 Nov 23	CZ-2D/YZ-3	XSC	3	SAST,SECM	1100	1104	50.0
2023-190	WHJSW-3	2023 Dec 5	JL-3	YJ	1	SECM	910	1110	86.5
2023-212	WHJSW-4	2023 Dec 30	CZ-2C/YZ-1S	JQ	3	CAST	935	1104	50.0
2024-226	WHJSW-5	2024 Nov 30	CZ-12	HCSSL	1	YINNT	1035	1104	50.0
2025-067	WHJSW-6	2025 Apr 1	CZ-2D	JQ	4	YINNT,CGSTL	450	453	55.0
2025-F07	WHJSW?	2025 Aug 15	ZQ-2E	JQ	4?	CAST?	-	-	50.0
2025-209	WHJSW-7	2025 Sep 16	CZ-2C/YZ-1S	JQ	4	ZHSW, WEINA	810	880	50.0
Xingwang operational launches									
2024-240	WHDW 01	2024 Dec 16	CZ-5B/YZ-2	WEN	10	CAST?	1100	1168	86.5
2025-030	WHDW 02	2025 Feb 11	CZ-8A	WEN	9	CAST	868	1149	50.0
2025-086	WHDW 03	2025 Apr 28	CZ-5B/YZ-2	WEN	10	CAST?	1105	1168	86.5
2025-121	WHDW 04	2025 Jun 5	CZ-6A	TY	5	SECM	1002	1168	86.5
2025-159	WHDW 05	2025 Jul 27	CZ-6A	TY	5	CAST	1002	1168	86.5
2025-162	WHDW 06	2025 Jul 30	CZ-8A	HCSSL	9	SECM	872	1149	50.0
2025-168	WHDW 07	2025 Aug 4	CZ-12	HCSSL	9	YINNT	900	1149	50.0
2025-174	WHDW 08	2025 Aug 13	CZ-5B/YZ-2	WEN	10	CAST	1104	1168	86.5
2025-178	WHDW 09	2025 Aug 17	CZ-6A	TY	5	CAST	1002	1168	86.5
2025-187	WHDW 10	2025 Aug 25	CZ-8A	HCSSL	9	SECM	873	1149	50.0
2025-220	WHDW 11	2025 Sep 27	CZ-6A	TY	5	SECM	1002	1168	86.5
2025-231	WHDW 12	2025 Oct 16	CZ-8A	HCSSL	9	CAST	872	-	50.0
2025-258	WHDW 13	2025 Nov 10	CZ-12	HCSSL	9	SECM	806	-	50.0
2025-285	WHDW 14	2025 Dec 6	CZ-8A	HCSSL	9	CAST	875	-	50.0
2025-287	WHDW 15	2025 Dec 8	CZ-6A	TY	5	CAST	1003	-	86.5
2025-295	WHDW 16	2025 Dec 11	CZ-12	HCSSL	9	SECM	806	-	50.0
2025-311	WHDW 17	2025 Dec 25	CZ-8A	HCSSL	9	CAST	872	-	50.0
Qianfan launches									
2024-140	Qianfan Jigui 01	2024 Aug 6	CZ-6A	TY	18	SECM	800	1069	89.0
2024-185	Qianfan Jigui 02	2024 Oct 15	CZ-6A	TY	18	GESIH	800	1069	89.0
2024-232	Qianfan Jigui 03	2024 Dec 5	CZ-6A	TY	18	SECM	800	1069	89.0
2025-016	Qianfan Jigui 06	2025 Jan 23	CZ-6A	TY	18	SECM	800	1069	89.0
2025-046	Qianfan Jigui 05	2025 Mar 11	CZ-8	HCSSL	18	GESIH	940	1069	89.0
2025-233	Qianfan Jigui 18	2025 Oct 17	CZ-6A	TY	18	SECM	800	1069	89.0

5 Space Stations in 2025

5.1 ISS traffic

Table 11 lists arrivals, departures, deployments and spacewalks at ISS during 2025 [11].

Updated: 2026 Feb 13 16:18:26

ISS event log, 2025

Date	Time	Module/VV	Object	Event	Desc
2025 Jan 11	1745	Progress MS-28	ISS TCM-371	Maneuver	dV = 1.8 m/s dt = 1155.0 s
2025 Jan 16	1253	Quest	Spacewalk ISS US EVA-91	Depress airlock	EV1 Hague, T.Nk. in EMU 3013
2025 Jan 16	1253	Quest	Spacewalk ISS US EVA-91	Depress airlock	EV2 Williams, S. in EMU 3003
2025 Jan 16	1901	Quest	Spacewalk ISS US EVA-91	Repress airlock	EV1 Hague, T.Nk. in EMU 3013
2025 Jan 16	1901	Quest	Spacewalk ISS US EVA-91	Repress airlock	EV2 Williams, S. in EMU 3003
2025 Jan 30	1237?	Quest	Spacewalk ISS US EVA-92	Depress airlock	EV1 Williams, B. in EMU 3013
2025 Jan 30	1237?	Quest	Spacewalk ISS US EVA-92	Depress airlock	EV2 Williams, B. in EMU 3003
2025 Jan 30	1809	Quest	Spacewalk ISS US EVA-92	Repress airlock	EV1 Williams, B. in EMU 3013
2025 Jan 30	1809	Quest	Spacewalk ISS US EVA-92	Repress airlock	EV2 Williams, S. in EMU 3003
2025 Feb 3	0658	Progress MS-28	ISS TCM-372	Maneuver	dV = 1.8 m/s dt = 1227.0 s
2025 Feb 20	0130	Progress MS-28	ISS TCM-373	Maneuver	dV = 1.9 m/s dt = 1341.2 s
2025 Feb 25	2017:33	Zvezda	Progress MS-28	Departed	-
2025 Mar 1	2302:30	Zvezda	Progress MS-30	Arrived	-
2025 Mar 16	0404	PMA-2	Dragon Endurance (Crew-10)	Arrived	+ McClain, A.C., Ayers, N., Onishi T., Peskov, K.A.
2025 Mar 18	0505	PMA-3	Dragon Freedom (Crew-9)	Departed	- Hague, T.Nk., Hague, T.Nk., Gorbunov, A.V., Gorbunov, A.V., Wilmore, B.E., Williams, S.L.
2025 Mar 28	1055	Unity Nadir	S.S. Francis R. Scobee	Departed	-
2025 Apr 2	0952	Progress MS-30	ISS TCM-374	Maneuver	dV = 2.1 m/s dt = 1035.5 s
2025 Apr 8	0857:447	PriChal	Soyuz MS-27	Arrived	+ Ryzhikov, S.N., Zubritskiy, A.V., Kim, J.Y.
2025 Apr 19	2157:33	Rassvet	Soyuz MS-26	Departed	- Ovychinin, A.N., Vagner, I.V., Pettit, D.R.
2025 Apr 19	2157:33	ISS	Expedition 73	Expedition Start	-
2025 Apr 22	1240	PMA-3	Dragon CRS-32	Arrived	-
2025 Apr 24	0008	Progress MS-30	ISS TCM-375	Maneuver	dV = 1.2 m/s dt = 639.7 s
2025 Apr 30	2210	Progress MS-30	ISS TCM-376	Maneuver	dV = 0.3 m/s dt = 212.8 s
2025 May 1	1256	Quest	Spacewalk ISS US EVA-93	Depress airlock	EV1 McClain, A. in EMU 3003
2025 May 1	1256	Quest	Spacewalk ISS US EVA-93	Depress airlock	EV2 Ayers, N. in EMU 3015
2025 May 1	1849	Quest	Spacewalk ISS US EVA-93	Repress airlock	EV1 McClain, A. in EMU 3003
2025 May 1	1849	Quest	Spacewalk ISS US EVA-93	Repress airlock	EV2 Ayers, N. in EMU 3015
2025 May 23	1605	PMA-3	Dragon CRS-32	Departed	-
2025 Jun 19	0234	Progress MS-30	ISS TCM-377	Maneuver	dV = 0.3 m/s dt = 208.4 s
2025 Jun 26	1031:47	PMA-3	Axiom Ax-4	Arrived	+ Whitson, P.A., Shukla, S., Uznanski, S., Kapu T.
2025 Jul 1	1843:28	Poisk	Progress MS-29	Departed	-
2025 Jul 5	2125:45	Poisk	Progress MS-31	Arrived	-
2025 Jul 14	1115	PMA-3	Axiom Ax-4	Departed	-
2025 Jul 16	1445	Progress MS-30	ISS TCM-378	Maneuver	dV = 1.1 m/s dt = 600.0 s
2025 Aug 2	0628:56	PMA-3	Dragon Endeavour (Crew-11)	Arrived	+ Whitson, P.A., Shukla, S., Uznanski, S., Kapu T.
2025 Aug 8	2215	PMA-2	Dragon Endeavour (Crew-10)	Departed	-
2025 Aug 14	0428	Progress MS-30	ISS TCM-379	Maneuver	dV = 1.0 m/s dt = 647.3 s
2025 Sep 9	1545:30	Zvezda	Progress MS-30	Departed	-
2025 Sep 13	1723	Zvezda	Progress MS-32	Arrived	-
2025 Sep 18	1124	Unity Nadir	S.S. William C. McCool	Arrived	-
2025 Sep 19	0850	JEM	Dragonfly (1998-067AH)	Deployed	from J-SSOD No. 32
2025 Sep 19	0850	JEM	Raicho (1998-067XN)	Deployed	from J-SSOD No. 32
2025 Sep 19	1040	JEM	ASC (1998-067XJ)	Deployed	from J-SSOD No. 32
2025 Sep 19	1040	JEM	Horai (1998-067XK)	Deployed	from J-SSOD No. 32
2025 Sep 19	1040	JEM	Hamorui (1998-067XL)	Deployed	from J-SSOD No. 32
2025 Oct 10	0940	JEM	YOTSUBA-KULOVER (1998-067XN)	Deployed	from J-SSOD No. 33
2025 Oct 10	0950	JEM	IMATU (1998-067XP)	Deployed	from J-SSOD No. 33
2025 Oct 10	0950	JEM	BUTAN (1998-067XQ)	Deployed	from J-SSOD No. 33
2025 Oct 16	1649	Poisk	Spacewalk ISS VKD-64	Depress airlock	02 Zubritskiy S. in Orlan-MKS No. 6
2025 Oct 16	1649	Poisk	Spacewalk ISS VKD-64	Depress airlock	01 Ryzhikov S. in Orlan-MKS No. 7
2025 Oct 16	2139:36	Zvezda	UrtheCast HRC (2013-069)	Deployed	from Zvezda
2025 Oct 16	2300?	Poisk	Cleaning towel (1998-067)	Deployed	from Poisk
2025 Oct 16	2300?	Poisk	Cleaning towel (1998-067)	Deployed	from Poisk
2025 Oct 16	2320?	Poisk	Spacewalk ISS VKD-64	Repress airlock	02 Zubritskiy S. in Orlan-MKS No. 6
2025 Oct 16	2320?	Poisk	Spacewalk ISS VKD-64	Repress airlock	01 Ryzhikov S. in Orlan-MKS No. 7
2025 Oct 28	1357	Poisk	Spacewalk ISS VKD-65	Depress airlock	02 Zubritskiy S. in Orlan-MKS No. 6
2025 Oct 28	1357	Poisk	Spacewalk ISS VKD-65	Depress airlock	01 Ryzhikov S. in Orlan-MKS No. 7
2025 Oct 28	2115	Poisk	Spacewalk ISS VKD-65	Repress airlock	02 Zubritskiy S. in Orlan-MKS No. 6
2025 Oct 28	2115	Poisk	Spacewalk ISS VKD-65	Repress airlock	01 Ryzhikov S. in Orlan-MKS No. 7
2025 Oct 29	1658	Harmony Nadir	HTV-X1	Arrived	-
2025 Nov 19	1304	Progress MS-32	ISS TCM-385	Maneuver	dV = 1.6 m/s dt = 847.5 s
2025 Nov 27	1234:35	Rassvet	Soyuz MS-28	Arrived	-
2025 Dec 2	0810	JEM	DUPLEX (1998-067XS)	Deployed	from NRCSD No. 29
2025 Dec 2	0820	JEM	RHOK-SAT (1998-067XT)	Deployed	from NRCSD No. 29

ISS event log, 2025

Date	Time	Module/VV	Object	Event	Desc
2025 Dec 2	0820	JEM	SilverSat (1998-067XV)	Deployed	from NRCSD No. 29
2025 Dec 2	0820	JEM	ContentCube (1998-067XW)	Deployed	from NRCSD No. 29
2025 Dec 2	0820	JEM	CU Alpha (1998-067XX)	Deployed	from NRCSD No. 29
2025 Dec 2	0950	JEM	EagleSat-2 (1998-067XU)	Deployed	from NRCSD No. 29
2025 Dec 2	0950	JEM	Foras Promineo (1998-067XY)	Deployed	from NRCSD No. 29
2025 Dec 9	0141:30	Prichal	Soyuz MS-27	Departed	- Ryzhikov, S.N., Zubritskiy, A.V., Kim, J.Y.
2025 Dec 9	0141:30	ISS	Expedition 74	Expedition Start	-

International Space Station orbital history 2025

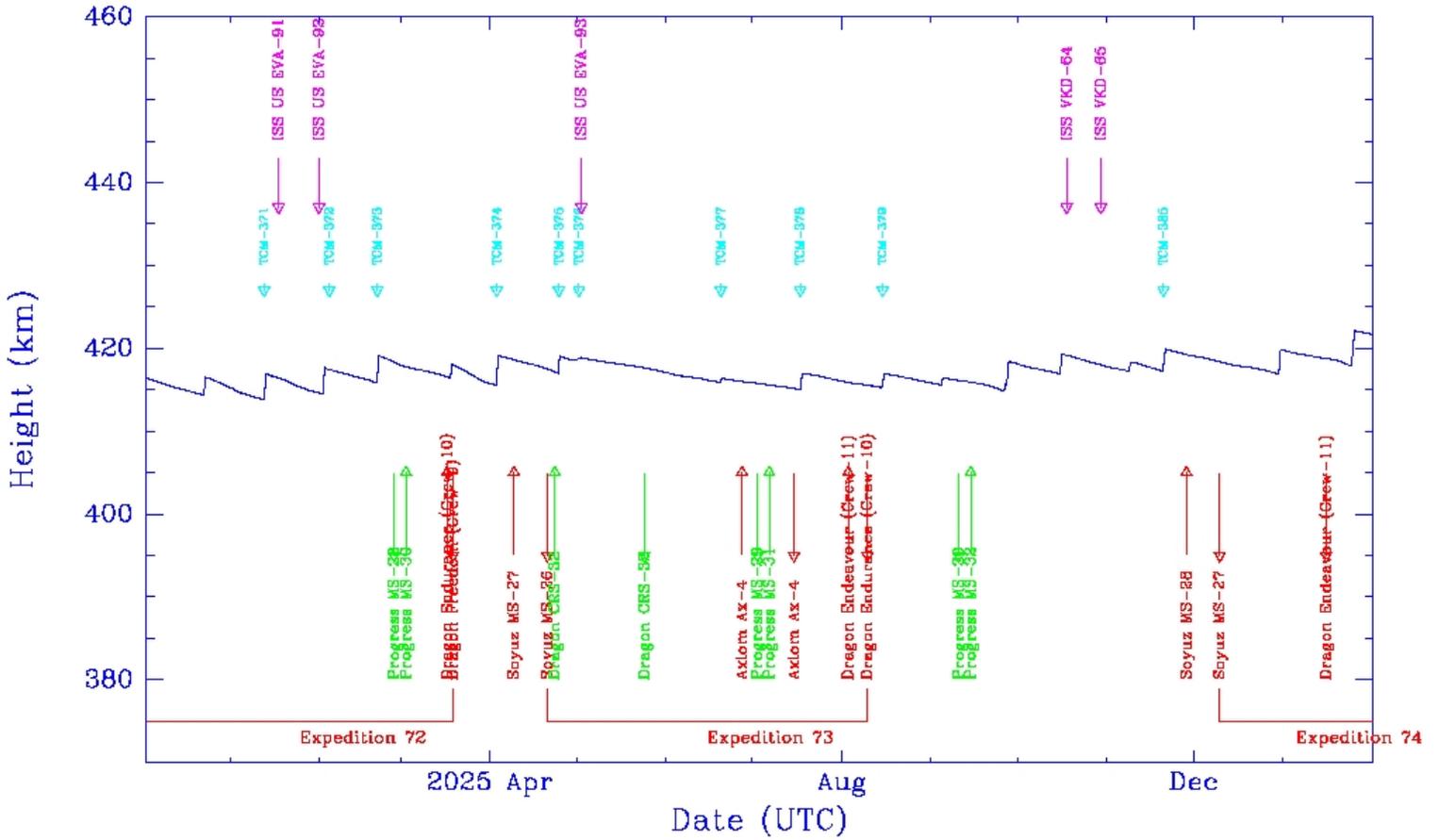


Figure 1: ISS traffic in 2025: Height vs Time plot

5.2 Chinese Space Station

Assembly of the long-awaited Chinese Space Station (CSS) began in 2021 and was completed in 2022 [12],[13],[14],[15].

The overall station is sometimes called the ‘Tiangong station’ (Tiangong Kongjianzhan), which is confusing following the now-completed missions of the simpler Tiangong-1 and Tiangong-2 stations. It is more often just called the ‘Chinese Space Station’ (Zhongguo Kongjianzhan, 中国空间站) and I will refer to it this way (or as CSS).

Expedition 8 (ZaiRen 8) landed on Apr 29, and was replaced by the ZaiRen 9 crew of Chen Dong, Chen Zhongrui and Wang Jie who arrived on Apr 24 aboard Shenzhou-20. The ZR10 crew of Zhang Lu, We Fei and Zhang Hongzhang arrived on Oct 31 aboard Shenzhou 21. The return of the ZR9 crew to Earth aboard Shenzhou 20 was cancelled due to the discovery of a debris strike on the ship’s window. They returned instead on Shenzhou 21 on Nov 14, and on Nov 25 Shenzhou 22 was launched without a crew to provide a new lifeboat for the ZR10 crew.

There were seven spacewalks from the station in 2025, on Jan 20, Mar 21, May 22, Jun 26, Aug 15, Sep 25 and Dec 9, mostly for debris panel installation. The EVA on May 22 was carried out from the Tianhe module as the Wentian airlock was being used to stage equipment. The other spacewalks were from Wentian.

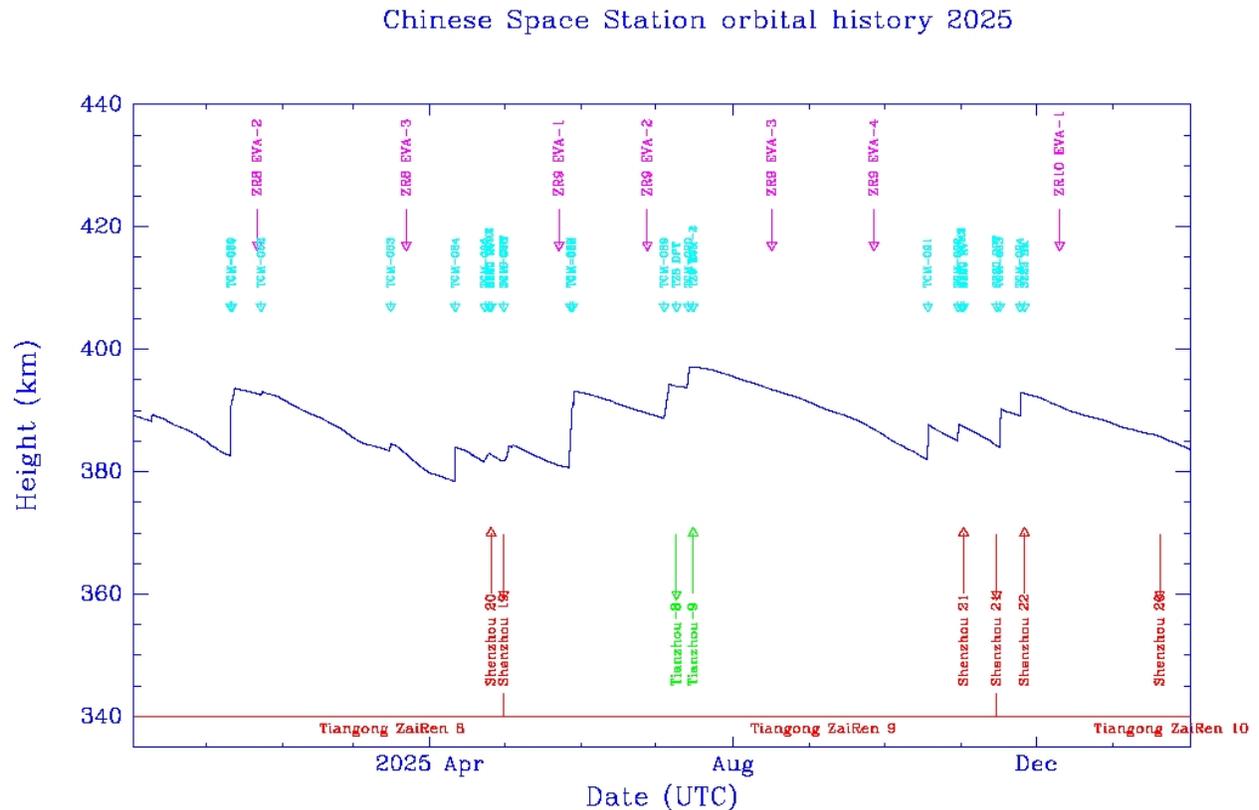


Figure 2: CSS orbital history, showing major events

6 Orbital Traffic, Debris and Decay

At the end of 2025 there were 32207 cataloged objects in orbit or beyond and the total known mass in orbit increased to 16185 tonnes. The breakdown for number of objects is listed in table 12 and for the mass in orbit in table 13. Note that the sum of the individual mass figures falls short of the mass totals by a few tonnes due to complications with spurious catalog entries; but the uncertainties on those totals are probably in any case probably of the order of ten percent due to the uncertainty on masses of individual objects.

I include as active payloads any satellite thought to be still transmitting even occasionally, while other sources may only include those thought to be in full operational service. In either case, distinguishing active from dead payloads is often partly guesswork for those satellites which do not perform regular orbital maintenance maneuvers, and the uncertainty in the total number of active satellites is probably of order 10%.

Many of the active satellites are now members of large LEO constellations, especially Starlink. For details of large constellation activity see the pages at

<https://planet4589.org/space/con/conlist.html>

The category ‘Alt.Pay.’ (alternative payloads) has been added as a bookkeeping convenience to account for objects that are in a marginal category - could arguably be considered payloads but are not counted as such in most lists. They are mostly short lived and so make only a small contribution here.

Figure 3 shows the evolution of the debris population versus time; I mark Starlink satellites as a separate category. In Figure 4 to 7 I show subsets of this data for small and large objects (below/above 100 kg) and for the lower and upper parts of LEO (below/above 600 km), showing the dramatic difference in the population and its evolution for LLEO (Lower LEO, below 600 km) and ULEO (Upper LEO, 600-2000 km).

Prior to the 2023 edition I called out the two biggest debris clouds (the 2007 Chinese antisatellite test and the 2009 Iridium-Strela collision) as separate entries in the tables and plots. I now tabulate ASAT-related debris and collision-related debris from all debris clouds rather than isolating those particular incidents.

Table 12: Cataloged objects in orbit at end of year, 2014-2025

	Active Payloads	Dead Payloads	Alt Pay.	Rocket Bodies	Op. Debris	ASAT debris	Collision debris	Other debris	Spurious	Total
2014 Dec 31	1295	2527	12	1683	1447	3368	1695	5786	0	17814
2015 Dec 31	1406	2560	13	1721	1454	3290	1577	6398	0	18420
2016 Dec 31	1508	2609	12	1754	1466	3263	1539	6452	0	18604
2017 Dec 31	1816	2696	12	1785	1492	3246	1511	6428	0	18987
2018 Dec 31	2042	2790	16	1846	1545	3231	1487	6602	0	19560
2019 Dec 31	2286	2919	16	1874	1570	3246	1478	6915	1	20306
2020 Dec 31	3257	3101	17	1895	1589	3218	1498	7464	0	22040
2021 Dec 31	4748	3239	20	1925	1663	4949	1478	7543	0	25566
2022 Dec 31	6719	3324	28	1964	1626	3497	1355	8169	0	26683
2023 Dec 31	8985	3274	20	1993	1561	3054	1154	7830	1	27873
2024 Dec 31	10616	3338	20	1997	1480	2810	937	8213	5	29417
2025 Dec 31	14245	3102	17	2029	1453	2700	800	7853	7	32207

Table 13: Mass of cataloged objects in orbit at end of year, 2014-2025(tonnes)

	Active Payloads	Dead Payloads	Alt Pay.	Rocket Bodies	Op. Debris	ASAT debris	Collision debris	Other debris	Spurious	Total
2014 Dec 31	2550	1808	1	2918	152	0	0	1	0	7431
2015 Dec 31	2715	1833	1	3026	159	0	0	1	0	7736
2016 Dec 31	2844	1885	1	3112	163	0	0	1	0	8008
2017 Dec 31	3001	1928	1	3221	168	0	0	1	0	8322
2018 Dec 31	3178	1956	1	3376	167	0	0	1	0	8682
2019 Dec 31	3332	2001	1	3419	172	0	0	1	0	8928
2020 Dec 31	3627	2079	1	3472	178	0	0	1	0	9360
2021 Dec 31	4102	2127	1	3523	186	0	0	1	0	9942
2022 Dec 31	4777	2198	2	3613	182	0	0	1	0	10776
2023 Dec 31	5889	2241	1	3722	178	0	0	1	0	12033
2024 Dec 31	7510	2292	1	3749	168	0	0	1	0	13723
2025 Dec 31	9877	2256	1	3884	165	0	0	0	0	16185

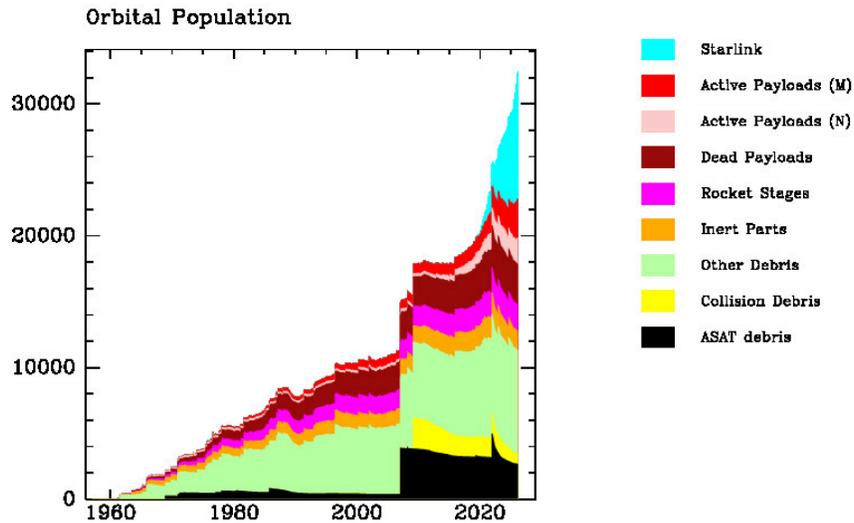


Figure 3: Orbital object population 1957-2025

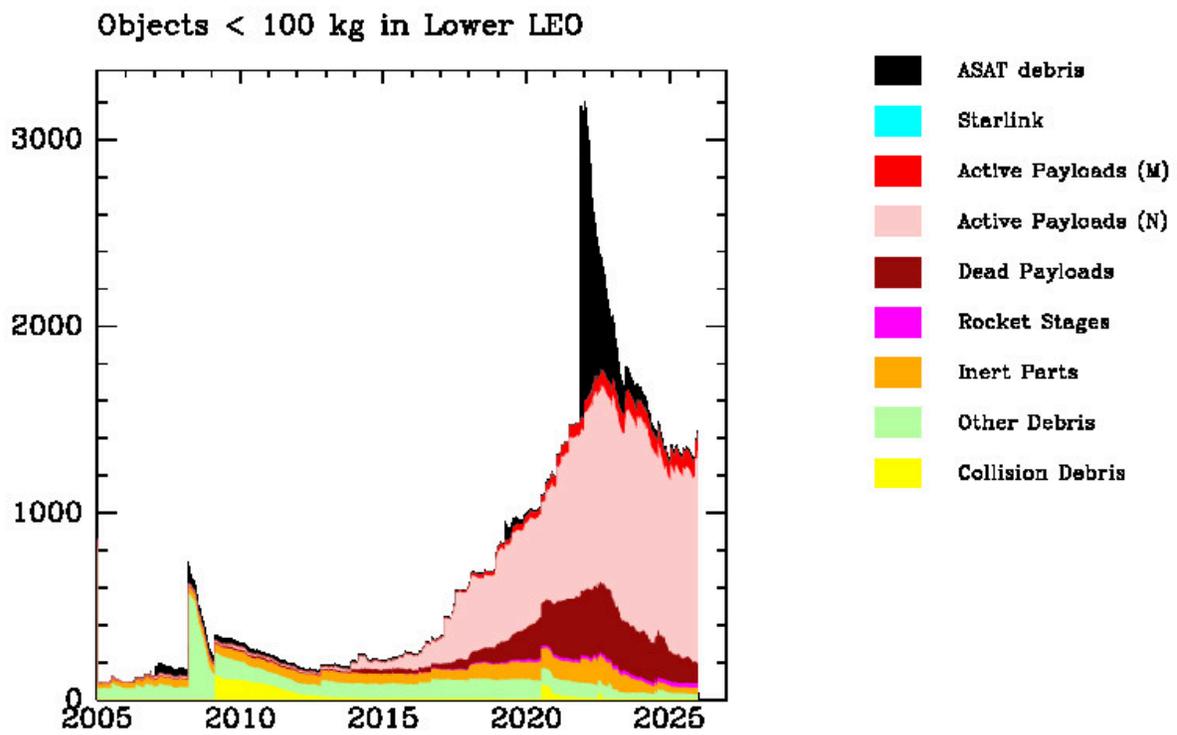


Figure 4: Time evolution of LEO debris and active satellite population (a): Small (<100 kg) objects in lower (< 600 km) LEO

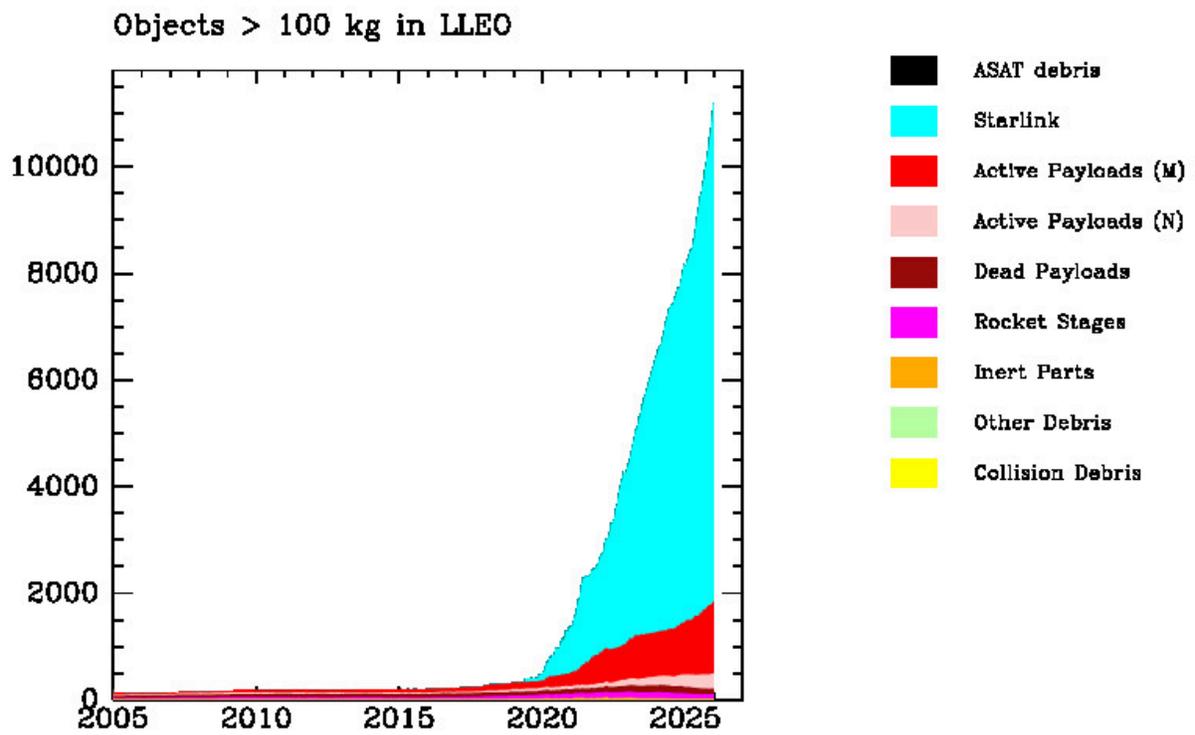


Figure 5: Time evolution of LEO debris and active satellite population (b): Big (>100 kg) objects in lower (< 600 km) LEO

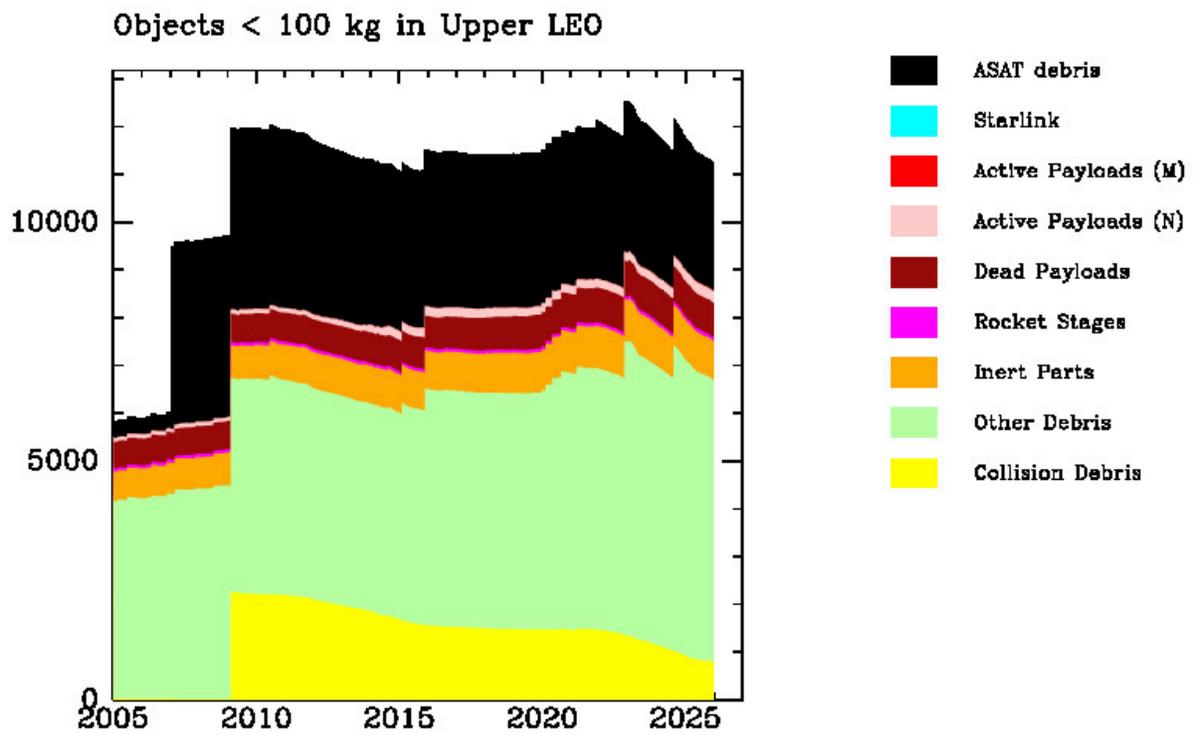


Figure 6: Time evolution of LEO debris and active satellite population (c): Small (<100 kg) objects in upper (> 600 km) LEO

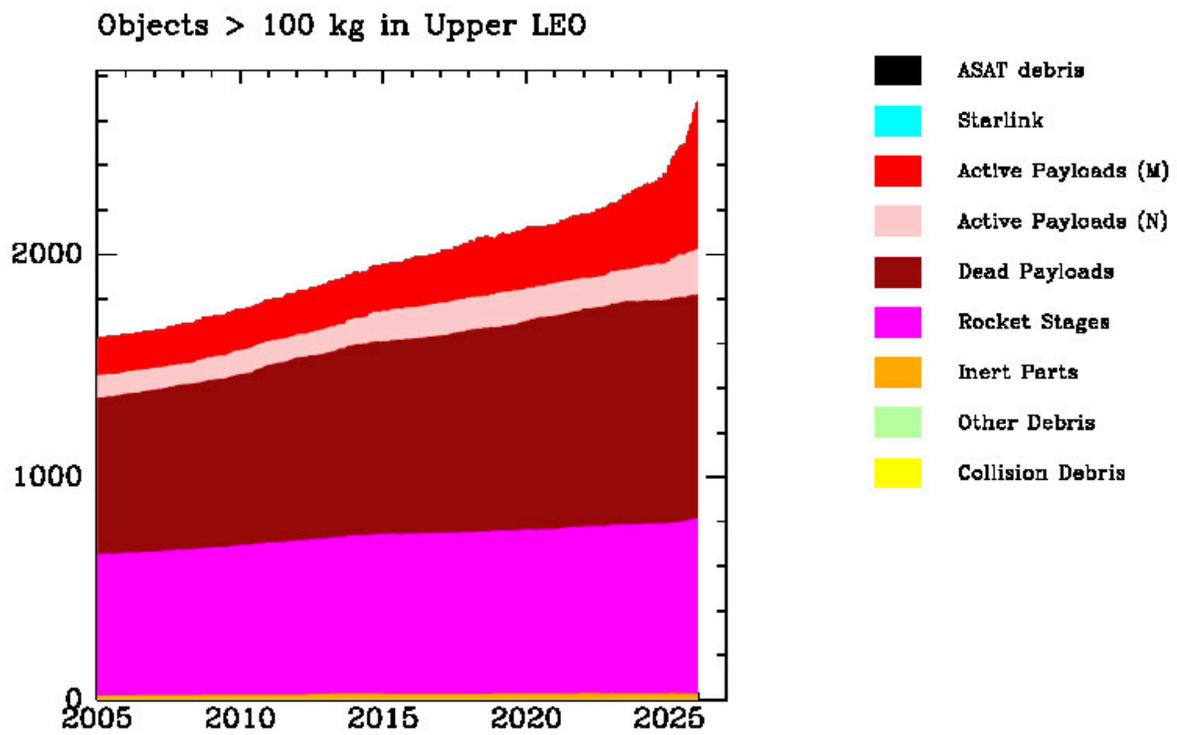


Figure 7: Time evolution of LEO debris and active satellite population (d): Big (>100 kg) objects in upper (> 600 km) LEO

6.1 Disposal of launch vehicle upper stages

For the 321 successful orbital launches I look at which launches went to which type of orbit, and whether rockets disposed of their upper stages in a controlled deorbit or whether they left one or more stages (and possibly associated debris) in orbit to decay naturally. Upper stages that achieve Earth escape are also counted as a controlled disposal.

The main orbit categories are SSO (Sun-synchronous low Earth orbit), ISS (International Space Station launches), LSS (Other low orbit space stations, currently only the Chinese one); Other LEO (Low Earth orbit except for SSO and ISS/LSS); GTO (Geotransfer orbit), Supersync transfer (geotransfer with initial apogee well above GEO); GEO direct (where launch vehicle upper stage deploys payload directly in geostationary orbit), 12-hour circular MEO orbits (as used by GPS), Molniya elliptical orbit, and deep space (beyond about 150,000 km and 'other high orbit').

I will note that some SSO/other LEO launches perform a perigee lowering disposal burn to ensure stage reentry within a few weeks. However, the reentry location is still uncontrolled in these cases. Cases where SSO/LEO perigee lowering is to below 180 km are noted with an asterisk in the table.

Table 14: Launches by orbit and launch-associated Earth orbit debris, 2025

Launch vehicle	Total launches	Launches with up- per stage disposal	Stages left in Earth orbit	Other LV debris
(a) SSO				
AESP Ariane 5/6	3	3	0	0
AESP Vega	3	3	0	0
CALT CZ-11	1	0	1 (1*)	0
CALT CZ-2C	1	0	1	0
CALT CZ-3	1	0	1	0
CASC CZ-2D	1	0	1	0
CASIC KZ-1A	1	0	1	0
CZHZ JL-3	1	0	1	0
DFK Yinli-1	1	0	1	0
ISRO PSLV/GSLV	1	0	1	0
KARIK KSLV2	1	0	1	0
KHRO Angara	1	1	0	0
LANDSP Zhuque-2E	1	0	1	0
LANDSP Zhuque-3	1	0	1	0
MHI H-II	1	0	1	0
MORF Soyuz	1	0	1	0
RLABLB Electron	6	0	12	0
ROSK Soyuz	3	2	1	0
SAST CZ-2D	4	1	3	0
SAST CZ-4	4	0	4	0
SAST CZ-6	8	6	2	0
SPX Falcon 9	16	16	0	0
XIDO Gushenxing-1	5	5	0	0
XJRY SQ-1	1	0	1	0
ZKYT ZK-1	5	0	5	0
Total SSO	72	37	41 (1*)	0
(b) ISS				
ROSK Soyuz	5	0	5	0
SPX Falcon 9	6	6	0	0
Total ISS	11	6	5	0

Table 14 (cont):				
Launch vehicle	Total launches	Launches with up- per stage disposal	Stages left in Earth orbit	Other LV debris
(c) LSS				
CALT CZ-2F	3	0	3	0
CALT CZ-7	1	0	1	0
Total LSS	4	0	4	0
(d) Other LEO				
CALT CZ-2C	2	1	1	0
CALT CZ-5	2	2	0	0
CALT CZ-8	6	0	6	0
CASIC KZ-11	1	1	0	0
CASIC KZ-1A	1	0	1	0
CZMJ JL-3	3	0	3	0
FFLY Alpha	1	0	1	0
ISA Shavit	1	0	1	0
JAXA H3	1	1	0	0
KHRO Angara	2	2	0	0
LM Atlas V	4	4	0	0
MORF Soyuz	2	1	1	0
NGIS Minotaur IV/V	1	0	1	0
NSIL GSLV3	1	0	1	0
RLA BLB Electron	12	0	24	0
SAST CZ-2D	2	1	1	0
SAST CZ-4	2	0	2	0
SAST CZ-6	3	0	3	0
SAST Chang Zheng 12	3	0	3 (3*)	0
SAST Chang Zheng 12A	1	0	1	0
SPX Falcon 9	132	132	0	0
SPX Starship	3	0	0	0
XIDO Gushenxing-1	1	1	0	0
Total Other LEO	187	146	50 (3*)	0
(e) GTO Transfer				
CALT CZ-3	13	0	13	0
CALT CZ-5	2	0	2	0
CALT CZ-7	5	0	5	0
CALT CZ-8	1	0	1	0
ISRO GSLV3	1	0	1	0
ISRO PSLV/GSLV	1	0	1	0
JAXA H3	2	0	2	0
LM Atlas V	1	0	1	0
SAST CZ-4	1	0	1	0
SPX Falcon 9	7	4	3	0
Total GTO Transfer	34	4	30	0

Table 14 (cont):				
Launch vehicle	Total launches	Launches with up- per stage disposal	Stages left in Earth orbit	Other LV debris
(f) SuperSync Transfer				
(g) GEO Direct				
KHRO Angara	1	0	1	1
LM Vulcan	1	0	1	0
Total GEO Direct	2	0	2	1
(h) MEO Transfer				
(i) 12-h MEO Direct				
AESP Ariane 5/6	1	0	1	0
BLOR New Glenn	1	0	1	0
CALT CZ-7	1	0	1	0
MORF Soyuz	1	0	1	0
ROSK Soyuz	1	0	1	0
SPX Falcon 9	1	0	1	0
Total 12-h MEO Direct	6	0	6	0
(j) Molniya				
(k) Deep Space				
BLOR New Glenn	1	0	1	0
CALT CZ-3	1	0	0	0
SPX Falcon 9	3	0	2	0
Total Deep Space	5	0	3	0
Total Overall	321	193	141 (4*)	1

6.2 Orbituaries

Table 15 gives statistics on reentries in 2025, not including deliberate deorbit and landing.
(Acknowledgements to Collin Krum for the revised section name).

Table 15: Uncontrolled Reentries 2025

	Number	Mass (t)
Active Payloads	738	170.4
Dead Payloads	369	103.3
Rocket Bodies	110	182.4
Operational debris	55	16.7
ASAT debris	110	-
Collision debris	136	-
Other fragment debris	367	0.7

In this table, ‘active payloads’ represents payloads which were thought to be active at the beginning of the year.

Controlled deorbits and landings

688 Starlink satellites reentered during 2025. The satellites orbits were lowered using thrusters but final reentry was uncontrolled.

There were no 20-tonne-class (CZ-5B) uncontrolled reentries in 2025; two CZ-5B missions with upper stages placed their core stages on suborbital trajectories to reenter in a controlled target zone. This year, Chinese rocket stages made up a smaller fraction of the largest uncontrolled reentries than previously.

In addition to uncontrolled reentries, there were 16 controlled landings and 7 controlled deorbitings of spacecraft during 2025.

The X-37B spaceplane landed at Vandenberg Space Force Base after a 434 day flight. Two Russian Soyuz ships landed in Kazakhstan, four Crew Dragon and one Cargo Dragon splashed down in the Gulf of Mexico and one Crew Dragon off Florida’s Atlantic coast. Shenzhou 19 and 21 landed in the Dongfeng landing area near Jiuquan in Inner Mongolia. Russia’s Bion-M No. 2 spacecraft landed near Orenburg, Russia. Two Starship flights made controlled water splashdowns in the Indian Ocean. Varda’s W-2 and W-3 commercial microgravity missions landed in Koonibba, Australia.

Four ISS cargo ships (one Cygnus, three Progress) and one Tianzhou cargo ships were deorbited destructively, all over the southern Pacific Ocean. The Phoenix 1 capsule was deorbited over the southwest Atlantic with no recovery attempt during the Bandwagon 3 mission, and the JSC R5-S7 experiment was deorbited over the Pacific during the Transporter 15 mission.

Two Dragon trunks were discarded in orbit and had made uncontrolled reentries by the end of the year, with debris found in Algeria from one (the other reentered over the Indian Ocean). With a change of operational design, four further Dragon trunks were discarded after the Dragon deorbit burn for controlled disposal over the Pacific off the coast of California. Six further objects reentered and burned up on controlled trajectories associated with landings of spacecraft (Soyuz orbital and Soyuz/Shenzhou propulsion modules).

Table 16: Most massive uncontrolled reentries, 2025

COSPAR	Spacecraft	Date	Mass/kg	Location	Coords	Life (d)	Type
2023-137E	H-2A F47 Stage 2	2025 Jan 3 1240	4000.0	7E 12S		484.54	Reentry
2020-076E	CZ-2C Y43 Stage 2	2025 Jan 14 1028	3800.0	76W 9S		1540.80	Reentry
2023-193D	Zhuque-2 Y3 Stage 2	2025 Feb 2 1002	5000.0	32W 61N		421.43	Reentry
2013-055G	Falcon 9-006 Stage 2	2025 Feb 8 1946	4023.0	63E 4S		4150.16	Reentry
2014-087A	Resurs-P No. 2	2025 Feb 11 2232	5900.0	55E 77S		3700.15	Reentry
2025-022Y	Falcon 9-435 Stage 2	2025 Feb 19 0343	3000.0	5W 52N		17.20	Reentry
2017-075D	CZ-2C Y33 Stage 2	2025 Apr 10 2212	3800.0	57E 31S		2694.17	Reentry
2024-214B	Falcon 9-402 Stage 2	2025 Apr 14 0140	4000.0	154W 22S		146.30	Reentry
2025-082B	CZ-2F Y20 Stage 2	2025 May 3 0128	5500.0	105W 23S		8.67	Reentry
2014-046B	Falcon 9-011 Stage 2	2025 May 14 2126	4000.0	43W 16S		3935.56	Reentry
2020-048B	Falcon 9-092 Stage 2	2025 May 19 1427	4000.0	16W 1S		1763.71	Reentry
2024-075B	CZ-2D Y103 Stage 2	2025 May 22 2205	4006.0	149W 10S		396.93	Reentry
2024-252E	Falcon 9-414 Stage 2	2025 May 27 0424?	3000.0	28W 3N?		148.97	Reentry
2025-103G	Zhuque-2E Y2 Stage 2	2025 Jun 5 1708	5000.0	73E 37N		19.54	Reentry
2017-082C	H-2A F37 Stage 2	2025 Jun 5 1931	4000.0	13W 9N		2721.75	Reentry
2011-050B	H-2A F19 Stage 2	2025 Jul 11 1321	4000.0	159W 52N		5040.36	Reentry
2019-045D	CZ-2C Y37 Stage 2	2025 Jul 24 1005?	3800.0	70W 23S?		2190.26	Reentry
2025-149B	CZ-7 Y10 Stage 2	2025 Jul 29 0351	6000.0	101E 11S		14.26	Reentry
2020-102C	Xinjishu Yanzheng 7	2025 Oct 16 0157	3000.0	16W 28N?		1758.89	Reentry
2025-246B	CZ-2F Y21 Stage 2	2025 Nov 12 0325	5500.0	86E 7S		11.49	Reentry
2025-272B	CZ-2F Y22 Stage 2	2025 Dec 7 1621	5500.0	160W 37N		12.51	Reentry
2025-308C	CZ-12A Y1 Stage 2	2025 Dec 28 2126	7000.0	29W 37S		5.81	Reentry

Table 17: Landings and deorbits, 2025

COSPAR	Spacecraft	Date	Mass/kg	Location	Coords	Life (d)	Type
2025-009	W-2 Reentry Vehicle	2025 Feb 27 1432	120.0	Koonibba		43.81	Landing
2023-210A	X-37B OTV-7	2025 Mar 7 0722	5000.0	VSFB RW30/12		434.26	Landing
2024-178A	Dragon Freedom (Crew-9)	2025 Mar 18 2157:07	9500.0	84.03W 29.29N		171.19	Landing
2025-066A	Dragon Resliance (Fram-2)	2025 Apr 4 1619:28	9500.0	117.7W 33.0N		3.61	Landing
2024-162A	Soyuz MS-26	2025 Apr 20 0120:35	2900.0	69 33E 47 19N		220.37	Landing
2025-081R	Phoenix 1	2025 Apr 22 0258?	250.0	29W 37S?		0.09	Landing
2024-194A	Shenzhou 19	2025 Apr 30 0508:13	3258.0	100E 41N?		182.36	Landing
2025-052	W-3 Reentry Vehicle	2025 May 14 0207	120.0	Koonibba		59.81	Landing
2025-080A	Dragon CRS-32	2025 May 25 0544	9143.0	117.7W 33.0N		33.89	Landing
2025-136A	Axiom Ax-4	2025 Jul 15 0931:36	9500.0	117.7W 32.6N		20.12	Landing
2025-049A	Dragon Endurance (Crew-10)	2025 Aug 9 1533:40	9500.0	117.7W 32.5N		147.69	Landing
2025-U03	Starship FT-10	2025 Aug 27 0036:38	120000.0	106.93E 19.16S		0.05	Landing
2025-181A	Bion-M No. 2	2025 Sep 19 0700?	2400.0	54.2E 53.0N		29.57	Landing
2025-U04	Starship FT-11	2025 Oct 14 0029:57	120000.0	106.92E 19.16S		0.05	Landing
2025-246A	Shenzhou 21	2025 Nov 14 0840:31	3258.0	100E 41N?		13.71	Landing
2025-072A	Soyuz MS-27	2025 Dec 9 0503:33	2900.0	47 22N 69 43E		244.97	Landing
2024-145A	Progress MS-28	2025 Feb 26 0006?	4325.0	150W 44S?		194.87	Deorbit
2024-139A	S.S. Francis R. Scobee	2025 Mar 30 1015?	7238.0	180W 0N?		237.80	Deorbit
2025-052Q	W-3	2025 May 14 0149?	55.0	134W 36S?		59.80	Deorbit
2024-215A	Progress MS-29	2025 Jul 1 2230?	4325.0	155W 43S?		222.42	Deorbit
2024-211A	Tianzhou-8	2025 Jul 8 2246	6000.0	172W 22S?		235.31	Deorbit
2025-041B	Progress MS-30	2025 Sep 9 1939?	4325.0	156W 48S?		193.93	Deorbit
2025-276DV	R5-S7	2025 Nov 29 2200?	10.0	173W 5N?		1.14	Deorbit

For rocket upper stages deorbited soon after launch, the target impact zones are often many degrees in length along the orbit track, so the locations given below in Table 18 should not be taken too seriously.

Table 18: Vehicles deorbited soon after launch, 2025

COSPAR	Spacecraft	Date	Mass/kg	Location	Coords	Life (d)	Type
2025-003	Falcon 9-421 Stage 2	2025 Jan 6 2301?	3000.0	57E 34S?		0.10	Deorbit
2025-004	Falcon 9-422 Stage 2	2025 Jan 8 1742?	3000.0	48E 37S?		0.09	Deorbit
2025-005	Falcon 9-423 Stage 2	2025 Jan 10 0548?	3000.0	118W 43S?		0.08	Deorbit
2025-006	Falcon 9-424 Stage 2	2025 Jan 10 2133?	3000.0	52E 35S?		0.10	Deorbit
2025-008	Falcon 9-425 Stage 2	2025 Jan 13 1904?	3000.0	53E 35S?		0.10	Deorbit
2025-009	Falcon 9-426 Stage 2	2025 Jan 14 2221?	3500.0	165W 42N?		0.13	Deorbit
2025-013F	Gushenxing-1 Y16 Stage 4	2025 Jan 20 1100?	150.0	88W 50S?		0.03	Deorbit
2025-014	Falcon 9-430 Stage 2	2025 Jan 21 0742?	3000.0	53E 35S?		0.10	Deorbit
2025-015	Falcon 9-429 Stage 2	2025 Jan 21 1738?	3000.0	105W 17S?		0.08	Deorbit
2025-018	Falcon 9-431 Stage 2	2025 Jan 24 1556?	3000.0	110W 10S?		0.08	Deorbit
2025-019	Falcon 9-433 Stage 2	2025 Jan 28 0022?	3000.0	53E 35S?		0.10	Deorbit
2025-024	Falcon 9-437 Stage 2	2025 Feb 4 1231?	3000.0	52E 36S?		0.09	Deorbit
2025-025	Falcon 9-436 Stage 2	2025 Feb 5 0148?	3000.0	92E 42S?		0.11	Deorbit
2025-026D	Volga 14S46 No. 9?	2025 Feb 5 1450?	1120.0	150W 55S?		0.45	Deorbit
2025-027	Falcon 9-438 Stage 2	2025 Feb 8 2135?	3000.0	53E 35S?		0.09	Deorbit
2025-029	Falcon 9-439 Stage 2	2025 Feb 11 0400?	3000.0	106W 15S?		0.08	Deorbit
2025-031	Falcon 9-440 Stage 2	2025 Feb 11 2109?	3000.0	53E 36S?		0.09	Deorbit
2025-032	Falcon 9-441 Stage 2	2025 Feb 15 0831?	3000.0	54E 35S?		0.10	Deorbit
2025-034	Falcon 9-432 Stage 2	2025 Feb 19 0138?	3000.0	55E 38S?		0.09	Deorbit
2025-035	Falcon 9-445 Stage 2	2025 Feb 21 1735?	3000.0	55E 34S?		0.09	Deorbit
2025-037	Falcon 9-443 Stage 2	2025 Feb 23 0335?	3000.0	112W 45S?		0.08	Deorbit
2025-039	Falcon 9-446 Stage 2	2025 Feb 27 0552?	3000.0	58E 34S?		0.10	Deorbit
2025-043	Falcon 9-447 Stage 2	2025 Mar 3 0441?	3000.0	56E 34S?		0.10	Deorbit
2025-044	Ariane 6002 ULPM	2025 Mar 6 1910?	6000.0	90E 33S?		0.12	Deorbit
2025-047	Falcon 9-428 Stage 2 (F445)	2025 Mar 12 0510?	4000.0	172W 32S?		0.08	Deorbit
2025-048	Falcon 9-448 Stage 2 (F446)	2025 Mar 13 0453?	3000.0	55E 34S?		0.10	Deorbit
2025-049	Falcon 9-450 Stage 2 (F447)	2025 Mar 15 0017?	3000.0	157W 36S		0.05	Deorbit
2025-051	CZ-2D Y100 Stage 2	2025 Mar 15 0503?	4006.0	91W 44S?		0.04	Deorbit
2025-052	Falcon 9-449 Stage 2 (F448)	2025 Mar 15 0952?	3500.0	166W 42N		0.13	Deorbit
2025-053	Falcon 9-451 Stage 2 (F449)	2025 Mar 15 1352?	3000.0	55E 34S?		0.10	Deorbit
2025-054	Angara AM No. 4L	2025 Mar 16 1222?	400.0	2E 7S?		0.06	Deorbit
2025-055J	Gushenxing-1 Y10 Stage 4	2025 Mar 17 0901?	150.0	118W 50S?		0.04	Deorbit
2025-057	Falcon 9-452 Stage 2 (F450)	2025 Mar 18 2215?	3000.0	56E 34S?		0.10	Deorbit
2025-058	Falcon 9-442 Stage 2	2025 Mar 21 0846?	3000.0	112W 45S?		0.08	Deorbit
2025-059G	Gushenxing-1 Y17 Stage 4	2025 Mar 21 1201?	150.0	118W 50S?		0.04	Deorbit
2025-060	Falcon 9-454 Stage 2	2025 Mar 24 2039?	3000.0	70E 36S?		0.12	Deorbit
2025-063	Falcon 9-453 Stage 2	2025 Mar 27 0001?	3000.0	111W 9S?		0.08	Deorbit
2025-065	Falcon 9-457 Stage 2	2025 Mar 31 2208?	3000.0	50E 37S?		0.09	Deorbit
2025-066	Falcon 9-455 Stage 2 (F455)	2025 Apr 1 0241?	3000.0	89E 12S?		0.04	Deorbit
2025-067	CZ-2D Y78 Stage 2	2025 Apr 1 0503?	4006.0	91W 44S?		0.04	Deorbit
2025-068	CZ-6 Y14 Stage 3	2025 Apr 3 0300?	1000.0	87W 40S?		0.03	Deorbit
2025-069	Falcon 9-456 Stage 2	2025 Apr 4 0252?	3000.0	110W 10S?		0.08	Deorbit
2025-070	Falcon 9-459 Stage 2	2025 Apr 6 0523?	3000.0	50E 37S?		0.09	Deorbit
2025-071	Falcon 9-458 Stage 2	2025 Apr 8 0056?	3000.0	110W 10S?		0.08	Deorbit
2025-074	Falcon 9-463 Stage 2	2025 Apr 12 1422?	3000.0	112W 45S?		0.08	Deorbit
2025-075	Falcon 9-461 Stage 2	2025 Apr 13 0310?	3000.0	53E 35S?		0.09	Deorbit
2025-076	Falcon 9-462 Stage 2	2025 Apr 14 0617?	3000.0	55E 34S?		0.10	Deorbit
2025-079	Falcon 9-465 Stage 2	2025 Apr 20 1419?	3000.0	123W 25S?		0.08	Deorbit
2025-080	Falcon 9-460 Stage 2	2025 Apr 21 0929?	3000.0	156W 35S?		0.05	Deorbit

Table 18: Vehicles deorbited soon after launch, 2025 (cont)

COSPAR	Spacecraft	Date	Mass/kg	Location	Coords	Life (d)	Type
2025-081	Falcon 9-464 Stage 2	2025 Apr 22 0258?	3500.0	29W 37S?		0.09	Deorbit
2025-083	Falcon 9-465 Stage 2	2025 Apr 25 0408?	3000.0	51E 36S?		0.09	Deorbit
2025-085	Falcon 9-466 Stage 2	2025 Apr 28 0426?	3000.0	52E 36S?		0.09	Deorbit
2025-086L	Yuanzheng-2 Y3	2025 Apr 28 2214?	2000.0	84E 50S?		0.09	Deorbit
2025-087	Falcon 9-467 Stage 2	2025 Apr 28 2232?	3000.0	108W 13S?		0.08	Deorbit
2025-088	Centaur AV-107	2025 Apr 29 0032?	4020.0	125W 3N?		0.06	Deorbit
2025-089	Falcon 9-470 Stage 2	2025 Apr 29 0450?	3000.0	53E 36S?		0.09	Deorbit
2025-090B	Vega AVUM VV26	2025 Apr 29 1101?	660.0	90E 21S?		0.07	Deorbit
2025-091	Falcon 9-471 Stage 2	2025 May 2 0408?	3000.0	56E 34S?		0.10	Deorbit
2025-092	Falcon 9-473 Stage 2	2025 May 4 1112?	3000.0	56E 34S?		0.10	Deorbit
2025-093	Falcon 9-472 Stage 2	2025 May 7 0334?	3000.0	55E 34S?		0.09	Deorbit
2025-094	Falcon 9-469 Stage 2	2025 May 10 0216?	3000.0	112W 45S?		0.08	Deorbit
2025-095	Falcon 9-475 Stage 2	2025 May 10 0844?	3000.0	57E 34S?		0.09	Deorbit
2025-098	Falcon 9-474 Stage 2	2025 May 13 0311?	3000.0	112W 44S?		0.08	Deorbit
2025-099	Falcon 9-476 Stage 2	2025 May 13 0719?	3000.0	55E 34S?		0.09	Deorbit
2025-100	CZ-2D Y107 Stage 2	2025 May 14 0502?	4006.0	89W 50S?		0.03	Deorbit
2025-101	Falcon 9-478 Stage 2	2025 May 14 1855?	3000.0	54E 35S?		0.09	Deorbit
2025-102	Falcon 9-477 Stage 2	2025 May 16 1540?	3000.0	112W 45S?		0.08	Deorbit
2025-105E	Gushenxing-1S Y5 Stage 4	2025 May 19 0827?	150.0	100W 44S?		0.03	Deorbit
2025-107	Falcon 9-479 Stage 2	2025 May 21 0536?	3000.0	55E 35S?		0.10	Deorbit
2025-109	Fregat No. 111-602	2025 May 23 1230?	1000.0	144E 52S?		0.16	Deorbit
2025-110	Falcon 9-480 Stage 2	2025 May 24 0158?	3000.0	112W 35S?		0.14	Deorbit
2025-111	Falcon 9-481 Stage 2	2025 May 24 1936?	3000.0	56E 34S?		0.10	Deorbit
2025-112	Falcon 9-482 Stage 2	2025 May 27 1852?	3000.0	160W 43S?		0.08	Deorbit
2025-U02	Starship FT-9	2025 May 28 0023:43?	125600.0	61E 27S?		0.03	Deorbit
2025-113	Falcon 9-484 Stage 2	2025 May 28 1602?	3000.0	125E 53S?		0.11	Deorbit
2025-116	Falcon 9-483 Stage 2	2025 May 30 2355?	3000.0	30E 50S?		0.26	Deorbit
2025-117	Falcon 9-485 Stage 2	2025 May 31 2200?	3000.0	110W 10S?		0.08	Deorbit
2025-119	Falcon 9-487 Stage 2	2025 Jun 3 0701?	3000.0	55E 35S?		0.10	Deorbit
2025-120	Falcon 9-488 Stage 2	2025 Jun 5 0130?	3000.0	108W 14S?		0.08	Deorbit
2025-122	Falcon 9-489 Stage 2	2025 Jun 7 1120?	4000.0	104W 9N?		0.27	Deorbit
2025-123	Falcon 9-490 Stage 2	2025 Jun 8 1616?	3000.0	112W 44S?		0.08	Deorbit
2025-124	Falcon 9-491 Stage 2	2025 Jun 10 1522?	3000.0	56E 34S?		0.09	Deorbit
2025-126	Falcon 9-493 Stage 2	2025 Jun 13 0351?	3000.0	112W 45S?		0.08	Deorbit
2025-127	Falcon 9-492 Stage 2	2025 Jun 13 1746?	3000.0	56E 34S?		0.10	Deorbit
2025-128	CZ-2D Y42 Stage 2	2025 Jun 14 0838?	4006.0	89W 50S?		0.03	Deorbit
2025-129	Falcon 9-494 Stage 2	2025 Jun 17 0533?	3000.0	112W 45S?		0.08	Deorbit
2025-130	Falcon 9-495 Stage 2	2025 Jun 18 0825?	3000.0	110E 52S?		0.10	Deorbit
2025-133	Falcon 9-497 Stage 2	2025 Jun 23 0827?	3000.0	100E 50S?		0.10	Deorbit
2025-134	Centaur AV-105	2025 Jun 23 1225?	4020.0	126W 2N?		0.06	Deorbit
2025-135	Falcon 9-496 Stage 2	2025 Jun 24 0038?	3500.0	167W 36N?		0.13	Deorbit
2025-135	Mission Possible	2025 Jun 24 0038?	1600.0	167W 36N?		0.13	Deorbit
2025-136	Falcon 9-486 Stage 2	2025 Jun 25 0745?	3000.0	157W 35S?		0.05	Deorbit
2025-137	Falcon 9-488 Stage 2	2025 Jun 25 2225?	3000.0	114E 52S?		0.10	Deorbit
2025-139	Falcon 9-500 Stage 2	2025 Jun 28 0658?	3000.0	119E 53S?		0.11	Deorbit
2025-142	Falcon 9-501 Stage 2	2025 Jun 28 1909?	3000.0	112W 45S?		0.08	Deorbit
2025-144	Falcon 9-499 Stage 2	2025 Jul 2 0858?	3000.0	111E 52S?		0.10	Deorbit
2025-143	Falcon 9-502 Stage 2	2025 Jul 2 1644?	4000.0	63E 5N?		0.82	Deorbit
2025-147	Falcon 9-504 Stage 2	2025 Jul 8 1051?	3000.0	110E 52S		0.10	Deorbit
2025-148B	Falcon 9-505 Stage 2	2025 Jul 14 0005?	4000.0	60E 4N?		0.79	Deorbit

Table 18: Vehicles deorbited soon after launch, 2025 (cont)

COSPAR	Spacecraft	Date	Mass/kg	Location	Coords	Life (d)	Type
2025-150	Falcon 9-506 Stage 2	2025 Jul 16 0402?	3000.0	111W 46S		0.08	Deorbit
2025-151	Falcon 9-507 Stage 2	2025 Jul 16 0823?	3000.0	30W 51N?		0.08	Deorbit
2025-152	Falcon 9-508 Stage 2	2025 Jul 19 0654?	3000.0	160W 45S?		0.13	Deorbit
2025-154	Falcon 9-503 Stage 2	2025 Jul 23 2037?	3250.0	27E 43S?		0.10	Deorbit
2025-155BH	Fregat No. 142-05	2025 Jul 25 0617?	1000.0	145W 3N?		0.02	Deorbit
2025-156	Vega AVUM VV27	2025 Jul 26 0432?	660.0	91E 12S?		0.10	Deorbit
2025-157	Falcon 9-511 Stage 2	2025 Jul 26 1132?	3000.0	114E 52S?		0.10	Deorbit
2025-158	Falcon 9-512 Stage 2	2025 Jul 27 0626?	3000.0	160W 44S?		0.08	Deorbit
2025-161	Falcon 9-513 Stage 2	2025 Jul 30 0608?	3000.0	112E 52S?		0.10	Deorbit
2025-164B	KZ-1A Yxx Stage 4	2025 Jul 31 0253?	50.0	82W 22S?		0.04	Deorbit
2025-165	Falcon 9-514 Stage 2	2025 Jul 31 2030?	3000.0	160W 44S?		0.08	Deorbit
2025-166	Falcon 9-509 Stage 2	2025 Aug 1 1700?	3000.0	148W 27S?		0.05	Deorbit
2025-167	Falcon 9-516 Stage 2	2025 Aug 4 1028?	3000.0	113E 53S?		0.10	Deorbit
2025-171	Falcon 9-517 Stage 2	2025 Aug 11 1649?	3000.0	113E 52S?		0.18	Deorbit
2025-172	Ariane 6003 ULPM	2025 Aug 13 0310?	6000.0	90E 26S?		0.11	Deorbit
2025-174L	Yuanzheng-2 Y4	2025 Aug 13 0835?	2000.0	85W 10S?		0.08	Deorbit
2025-175	Falcon 9-515 Stage 2	2025 Aug 14 0700?	3000.0	160W 44S?		0.08	Deorbit
2025-176	Falcon 9-519 Stage 2	2025 Aug 14 1500?	3000.0	112E 52S?		0.10	Deorbit
2025-179	Falcon 9-521 Stage 2	2025 Aug 18 1821?	3000.0	160W 44S?		0.08	Deorbit
2025-182	Angara AM No. 5L?	2025 Aug 21 1058?	400.0	172W 35N?		0.06	Deorbit
2025-183B	Falcon 9-522 Stage 2	2025 Aug 22 0518?	4000.0	128W 1N?		0.06	Deorbit
2025-184	Falcon 9-524 Stage 2	2025 Aug 22 1859?	3000.0	160W 44S?		0.08	Deorbit
2025-186	Falcon 9-523 Stage 2	2025 Aug 24 0800?	3000.0	156W 34S?		0.05	Deorbit
2025-188	Falcon 9-526 Stage 2	2025 Aug 26 2056?	3500.0	163W 44S?		0.08	Deorbit
2025-189	Falcon 9-525 Stage 2	2025 Aug 27 1341?	3000.0	110E 52S?		0.10	Deorbit
2025-190	Falcon 9-520 Stage 2	2025 Aug 28 1042?	3000.0	111E 52S?		0.10	Deorbit
2025-191	Falcon 9-520 Stage 2	2025 Aug 30 0654?	3000.0	160W 44S?		0.08	Deorbit
2025-192	Falcon 9-527 Stage 2	2025 Aug 31 1419?	3000.0	111E 52S?		0.10	Deorbit
2025-194	Falcon 9-530 Stage 2	2025 Sep 3 0546?	3000.0	160W 44S?		0.08	Deorbit
2025-195	Falcon 9-529 Stage 2	2025 Sep 3 1426?	3000.0	112E 52S?		0.10	Deorbit
2025-198	Falcon 9-531 Stage 2	2025 Sep 5 1501?	3000.0	112E 52S?		0.10	Deorbit
2025-200	Falcon 9-532 Stage 2	2025 Sep 6 2001?	3000.0	160W 44S?		0.08	Deorbit
2025-203	Falcon 9-534 Stage 2	2025 Sep 10 1650?	3000.0	20E 48S?		0.11	Deorbit
2025-205B	Falcon 9-533 Stage 2	2025 Sep 12 0530?	3000.0	94W 10S		0.15	Deorbit
2025-207	Falcon 9-536 Stage 2	2025 Sep 13 1950?	3000.0	160W 44S?		0.08	Deorbit
2025-208B	Falcon 9-535 Stage 2	2025 Sep 14 2324?	3000.0	165W 41S?		0.05	Deorbit
2025-210	Falcon 9-538 Stage 2	2025 Sep 18 1200?	3000.0	110E 52S?		0.10	Deorbit
2025-211	Falcon 9-537 Stage 2	2025 Sep 19 1826?	3000.0	160W 44S?		0.08	Deorbit
2025-212	Falcon 9-539 Stage 2	2025 Sep 21 1323?	3000.0	112E 52S?		0.10	Deorbit
2025-213	Falcon 9-540 Stage 2	2025 Sep 22 1934?	3000.0	115W 41S?		0.08	Deorbit
2025-214N	Jielong-3 Y8 Stage 4	2025 Sep 24 0850?	500.0	59.1W 27.4S		0.04	Deorbit
2025-216	Falcon 9-542 Stage 2	2025 Sep 25 1109?	3000.0	111E 52S?		0.10	Deorbit
2025-217	Centaur AV-108	2025 Sep 25 1340?	4020.0	126W 2N?		0.06	Deorbit
2025-218	Falcon 9-541 Stage 2	2025 Sep 26 0621?	3000.0	161W 44S?		0.08	Deorbit
2025-221	Falcon 9-544 Stage 2	2025 Sep 29 0355?	3000.0	108W 14S?		0.08	Deorbit
2025-223	Falcon 9-546 Stage 2	2025 Oct 3 1557?	3000.0	107W 14S?		0.08	Deorbit
2025-224	Falcon 9-543 Stage 2	2025 Oct 7 0916?	3000.0	110E 52S?		0.10	Deorbit
2025-225	Falcon 9-548 Stage 2	2025 Oct 8 0544?	3000.0	107W 14S?		0.08	Deorbit
2025-228	Falcon 9-545 Stage 2	2025 Oct 14 0431?	3000.0	99E 49S?		0.11	Deorbit
2025-230	Falcon 9-549 Stage 2	2025 Oct 16 0140?	3000.0	19E 50S?		0.11	Deorbit

Table 18: Vehicles deorbited soon after launch, 2025 (cont)

COSPAR	Spacecraft	Date	Mass/kg	Location	Coords	Life (d)	Type
2025-232	Falcon 9-547 Stage 2	2025 Oct 16 1157?	3000.0	109E 52S?		0.10	Deorbit
2025-235	Falcon 9-550 Stage 2	2025 Oct 19 2010?	3000.0	114E 52S?		0.10	Deorbit
2025-236	Falcon 9-552 Stage 2	2025 Oct 19 2114?	3000.0	106W 15S?		0.08	Deorbit
2025-237	Falcon 9-555 Stage 2	2025 Oct 22 1606?	3000.0	106W 15S?		0.08	Deorbit
2025-239B	Falcon 9-553 Stage 2	2025 Oct 24 2119?	4000.0	60E 7N		0.83	Deorbit
2025-240	Falcon 9-556 Stage 2	2025 Oct 25 1611?	3000.0	106W 15S?		0.08	Deorbit
2025-241B	H3 F7 Stage 2	2025 Oct 26 0205?	2500.0	130W 52S?		0.09	Deorbit
2025-243	Falcon 9-551 Stage 2	2025 Oct 26 1731?	3000.0	113E 52S?		0.10	Deorbit
2025-244	Falcon 9-557 Stage 2	2025 Oct 28 0234?	3000.0	106W 15S?		0.08	Deorbit
2025-245	Falcon 9-558 Stage 2	2025 Oct 29 1905?	3000.0	110E 52S?		0.10	Deorbit
2025-247	Falcon 9-559 Stage 2	2025 Oct 31 2231?	3000.0	107W 15S?		0.08	Deorbit
2025-248	Falcon 9-560 Stage 2	2025 Nov 2 0732?	3500.0	32E 44S?		0.10	Deorbit
2025-251	Ariane 6005 ULPM	2025 Nov 4 2347?	6000.0	90E 30S?		0.11	Deorbit
2025-253	Falcon 9-561 Stage 2	2025 Nov 6 0345?	3000.0	45E 38S?		0.09	Deorbit
2025-254	Falcon 9-563 Stage 2	2025 Nov 6 2304?	3000.0	108W 13S?		0.08	Deorbit
2025-257	Falcon 9-562 Stage 2	2025 Nov 9 1040?	3000.0	110E 52S?		0.10	Deorbit
2025-259	Falcon 9-565 Stage 2	2025 Nov 11 0536?	3000.0	44E 39S?		0.09	Deorbit
2025-262	Falcon 9-566 Stage 2	2025 Nov 15 0522?	3000.0	45E 39S?		0.09	Deorbit
2025-263	Falcon 9-567 Stage 2	2025 Nov 15 0858?	3000.0	44E 39S?		0.09	Deorbit
2025-264	Falcon 9-554 Stage 2	2025 Nov 17 0720?	3000.0	136W 12N?		0.08	Deorbit
2025-265	Falcon 9-568 Stage 2	2025 Nov 19 0052?	3000.0	45E 43S?		0.03	Deorbit
2025-268	Falcon 9-570 Stage 2	2025 Nov 21 0555?	3000.0	51E 36S?		0.09	Deorbit
2025-270	Falcon 9-571 Stage 2	2025 Nov 22 1008?	3000.0	46E 38S?		0.09	Deorbit
2025-271	Falcon 9-569 Stage 2	2025 Nov 23 1038?	3000.0	106W 15S?		0.08	Deorbit
2025-273	Angara AM No. xL?	2025 Nov 25 1435?	400.0	2E 7S?		0.04	Deorbit
2025-276	Falcon 9-564 Stage 2	2025 Nov 28 2200?	3500.0	173W 5N?		0.14	Deorbit
2025-278	Falcon 9-573 Stage 2	2025 Dec 1 1000?	3000.0	53E 36S?		0.09	Deorbit
2025-279B	Vega AVUM VV28	2025 Dec 1 1950?	660.0	90E 19S?		0.10	Deorbit
2025-280	Falcon 9-572 Stage 2	2025 Dec 2 0723?	3000.0	115W 41S?		0.08	Deorbit
2025-281	Falcon 9-574 Stage 2	2025 Dec 3 0036?	3000.0	56E 34S?		0.10	Deorbit
2025-283	Falcon 9-575 Stage 2	2025 Dec 4 2233?	3000.0	106W 16S?		0.08	Deorbit
2025-284	KZ-1A Yxx Stage 4	2025 Dec 5 0948?	50.0	94W 51S?		0.03	Deorbit
2025-286	Falcon 9-576 Stage 2	2025 Dec 7 1949?	3000.0	107W 15S?		0.08	Deorbit
2025-288	Falcon 9-577 Stage 2	2025 Dec 9 0042?	3000.0	53E 35S?		0.09	Deorbit
2025-291	Falcon 9-578 Stage 2	2025 Dec 9 2055?	3000.0	118W 4N?		0.07	Deorbit
2025-293	Falcon 9-579 Stage 2	2025 Dec 10 1336?	3000.0	112W 44S?		0.08	Deorbit
2025-294	Falcon 9-580 Stage 2	2025 Dec 12 0015?	3000.0	44E 39S?		0.09	Deorbit
2025-298	Falcon 9-581 Stage 2	2025 Dec 14 0745?	3000.0	112W 45S?		0.08	Deorbit
2025-299	Falcon 9-581 Stage 2	2025 Dec 15 0739?	3000.0	44E 39S?		0.09	Deorbit
2025-301	Centaur AV-111	2025 Dec 16 0957?	4020.0	127W 0N?		0.06	Deorbit
2025-303	Falcon 9-582 Stage 2	2025 Dec 17 1558?	3000.0	52E 36S?		0.09	Deorbit
2025-304	Falcon 9-584 Stage 2	2025 Dec 17 1724?	3000.0	111W 46S?		0.08	Deorbit

Table 19: Vehicles deorbited soon after separation, 2025

COSPAR	Spacecraft	Date	Mass/kg	Location	Coords	Sep Life (d)	Type
2025-066B	Dragon Trunk	2025 Apr 4 1606?	2300.0	118W 17N?		0.02	Deorbit
2024-194	Shenzhou 19 Tuijin Cang	2025 Apr 30 0447?	2000.0	76E 35N?		0.00	Deorbit
2025-080	Dragon Trunk	2025 May 25 0515?	2300.0	130W 42N?		0.00	Deorbit
2025-136B	Dragon Trunk	2025 Jul 15 0918?	2300.0	129W 41N?		0.01	Deorbit
2025-049B	Dragon Trunk	2025 Aug 9 1520?	2300.0	129W 24N?		0.02	Deorbit
2025-246	Shenzhou 21 Tuijin Cang	2025 Nov 14 0818?	2000.0	76E 35N?		0.00	Deorbit
2025-072	Soyuz MS-27 BO	2025 Dec 9 0442?	1300.0	45E 35N?		0.00	Deorbit
2025-072	Soyuz MS-27 PAO	2025 Dec 9 0442?	2125.0	45E 35N?		0.00	Deorbit

6.3 New sun-synchronous satellites in 2025

Table 20 lists satellites launched to sun-synchronous orbit in 2025, ordered by the local time of their orbit's descending node (LTDN, format hhmm or hhmm:ss).

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
1	2025-274F	CAS500-3	KAIST	TECH	598 x 608 x 97.7	00:47:27
2	2025-274A	Bicheon	Space LinTech	TECH	581 x 600 x 97.7	00:48:07
3	2025-274B	E3 TESTER KARI-1	KARI	TECH	580 x 600 x 97.7	00:48:11
4	2025-274D	Sejong-4	Hancom InSpace	IMG	581 x 600 x 97.7	00:48:13
5	2025-274C	COSMIC	Uzuro Tech	TECH	581 x 599 x 97.7	00:48:14
6	2025-274E	JACK-003	Cosmoworks	IMG	579 x 600 x 97.7	00:48:20
7	2025-274G	ETRISat	ETRI	COM	578 x 600 x 97.7	00:48:25
8	2025-274H	SPIRONE	Sejong U.	EOSCI	579 x 598 x 97.7	00:48:30
9	2025-274J	PERSAT01	Quaternion	IMG	577 x 597 x 97.7	00:48:36
10	2025-274K	JACK-004	Cosmoworks	IMG	577 x 598 x 97.7	00:48:40
11	2025-274L	INHA-RoSAT	SNU	TECH	576 x 598 x 97.7	00:48:45
12	2025-274M	Hana	SNU	TECH	575 x 598 x 97.7	00:48:48
13	2025-274N	K-HERO	KAIST	TECH	575 x 598 x 97.7	00:48:50
14	2025-182D	Kosmos-2594	MO RF	IMG	282 x 287 x 96.6	00:58:23
15	2025-182C	Kosmos-2593	MO RF	IMG	282 x 285 x 96.6	00:58:33
16	2025-182B	Kosmos-2592	MO RF	IMG	280 x 288 x 96.6	00:58:37
17	2025-182A	Kosmos-2591	MO RF	IMG	281 x 287 x 96.6	00:58:47
18	2025-141A	Ibuki-GW	JAXA	EOSCI	667 x 669 x 98.0	01:21:26
19	2025-044A	CSO-3	DGA/CNES	IMG*	800 x 804 x 98.6	01:30:02
20	2025-219A	Feng Yun 3H	CNMSC	MET	824 x 826 x 98.7	01:36:52
21	2025-279A	Arirang-7	KARI	IMG	555 x 571 x 97.7	02:03:25
22	2025-155B	Ionosfera-M No.	VNIIEM	SCI	819 x 821 x 98.6	03:04:01
23	2025-155A	Ionosfera-M No.	VNIIEM	SCI	819 x 821 x 98.6	03:04:21
24	2025-155C	Innosat16	Geoskan	IMG	488 x 500 x 97.4	03:14:56
25	2025-155P	FSKL5695-12	Rateks	TECH	486 x 494 x 97.4	03:16:44
26	2025-155D	Geoskan-6	Geoskan	SCI	479 x 487 x 97.4	03:17:31
27	2025-155H	CSTP-4.2	STTs	TECH	481 x 488 x 97.4	03:17:35
28	2025-155V	CSTP-4.4	STTs	TECH	481 x 488 x 97.4	03:17:36
29	2025-155J	CSTP-4.1	STTs	TECH	480 x 488 x 97.4	03:17:36
30	2025-155G	FSKL5695-13	Rateks	TECH	481 x 488 x 97.4	03:17:38
31	2025-155E	Geoskan-1	Geoskan	IMG	478 x 486 x 97.4	03:17:46
32	2025-155Q	Geoskan-2	Geoskan	COM	478 x 485 x 97.4	03:18:10
33	2025-155F	239Alferov	Geoskan	TECH	475 x 482 x 97.4	03:18:38
34	2025-155R	Geoskan-5	Geoskan	COM	475 x 480 x 97.4	03:19:00
35	2025-155S	Geoskan-4	Geoskan	COM	474 x 480 x 97.4	03:19:05
36	2025-155T	Geoskan-3	Geoskan	COM	471 x 476 x 97.4	03:19:40
37	2025-155M	CSTP-4.3	STTs	TECH	466 x 473 x 97.4	03:19:57
38	2025-155K	FSKL5695-14	Rateks	TECH	463 x 470 x 97.4	03:20:27
39	2025-155L	Nahid 2	IRSA/IUST	COM	461 x 467 x 97.4	03:20:39
40	2025-155N	FSKL5695-11	Rateks	TECH	461 x 467 x 97.4	03:20:47
41	2025-155U	Innosat3	Geoskan	COM	460 x 462 x 97.4	03:21:37
42	2025-061A	OTC-P1-1	OroraTech	IMG	516 x 541 x 97.6	03:49:37
43	2025-061B	OTC-P1-2	OroraTech	IMG	516 x 541 x 97.6	03:49:53
44	2025-061E	OTC-P1-5	OroraTech	IMG	515 x 538 x 97.5	03:50:30
45	2025-061H	OTC-P1-8	OroraTech	IMG	515 x 537 x 97.5	03:50:34
46	2025-061G	OTC-P1-7	OroraTech	IMG	513 x 537 x 97.5	03:51:06
47	2025-061F	OTC-P1-6	OroraTech	IMG	513 x 536 x 97.5	03:51:19
48	2025-061C	OTC-P1-3	OroraTech	IMG	514 x 540 x 97.6	03:51:23
49	2025-061D	OTC-P1-4	OroraTech	IMG	514 x 539 x 97.6	03:51:36
50	2025-138A	Hawk 12C	HawkEye 360	SIG	505 x 523 x 97.4	05:42:26
51	2025-138C	Hawk 12A	HawkEye 360	SIG	505 x 524 x 97.4	05:43:19
52	2025-138B	Hawk 12B	HawkEye 360	SIG	506 x 523 x 97.4	05:44:13
53	2025-138D	Kestrel-0A	HawkEye 360	SIG	495 x 513 x 97.4	05:45:37
54	2025-078E	Shiyan 27-05	CAST	IMG-R	1045 x 1046 x 99.7	05:59:51
55	2025-078B	Shiyan 27-02	CAST	IMG-R	1045 x 1046 x 99.7	05:59:58

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
56	2025-078D	Shiyan 27-04	CAST	IMG-R	1045 x 1046 x 99.7	06:00:03
57	2025-078F	Shiyan 27-06	CAST	IMG-R	1045 x 1046 x 99.7	06:00:04
58	2025-078A	Shiyan 27-01	CAST	IMG-R	1045 x 1046 x 99.7	06:00:08
59	2025-310A	Obzor-R No. 1	Roskosmos	IMG-R	640 x 645 x 98.0	06:00:09
60	2025-251A	Sentinel-1D	Copernicus/ESA	IMG-R	694 x 696 x 98.2	06:00:18
61	2025-078C	Shiyan 27-03	CAST	IMG-R	1045 x 1046 x 99.7	06:00:22
62	2025-179M	Starlink 34959	SpaceX/Seattle	COM	549 x 549 x 97.6	08:22:00
63	2025-179E	Starlink 34964	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:01
64	2025-179N	Starlink 34923	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:03
65	2025-179V	Starlink 34979	SpaceX/Seattle	COM	549 x 549 x 97.6	08:22:05
66	2025-179C	Starlink 34958	SpaceX/Seattle	COM	549 x 549 x 97.6	08:22:06
67	2025-179U	Starlink 34933	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:08
68	2025-179J	Starlink 34982	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:09
69	2025-179W	Starlink 34987	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:11
70	2025-179F	Starlink 34953	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:12
71	2025-179L	Starlink 34977	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:14
72	2025-179B	Starlink 34938	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:15
73	2025-179Z	Starlink 34980	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:17
74	2025-179P	Starlink 34962	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:19
75	2025-179G	Starlink 34969	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:20
76	2025-179T	Starlink 34961	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:22
77	2025-179K	Starlink 34990	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:23
78	2025-179X	Starlink 34971	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:25
79	2025-179D	Starlink 34818	SpaceX/Seattle	COM	549 x 549 x 97.6	08:22:26
80	2025-179Y	Starlink 34966	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:28
81	2025-179Q	Starlink 34925	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:30
82	2025-179H	Starlink 34963	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:31
83	2025-179S	Starlink 34989	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:33
84	2025-179R	Starlink 34973	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:34
85	2025-179A	Starlink 34842	SpaceX/Seattle	COM	548 x 550 x 97.6	08:22:35
86	2025-211A	Starlink 35328	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:30
87	2025-211D	Starlink 35240	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:32
88	2025-211B	Starlink 34210	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:33
89	2025-211E	Starlink 35344	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:35
90	2025-211C	Starlink 35227	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:37
91	2025-211F	Starlink 34540	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:38
92	2025-211H	Starlink 35120	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:40
93	2025-211G	Starlink 35282	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:41
94	2025-211J	Starlink 35246	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:43
95	2025-211K	Starlink 35220	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:45
96	2025-211L	Starlink 35176	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:46
97	2025-211M	Starlink 35190	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:48
98	2025-211N	Starlink 35201	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:49
99	2025-211P	Starlink 35115	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:51
100	2025-211Q	Starlink 35181	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:52
101	2025-211R	Starlink 35361	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:54
102	2025-211S	Starlink 35351	SpaceX/Seattle	COM	548 x 550 x 97.6	08:26:55
103	2025-211T	Starlink 35353	SpaceX/Seattle	COM	549 x 549 x 97.6	08:26:57
104	2025-211U	Starlink 35359	SpaceX/Seattle	COM	549 x 549 x 97.6	08:26:59
105	2025-211W	Starlink 35198	SpaceX/Seattle	COM	549 x 549 x 97.6	08:27:00
106	2025-211V	Starlink 35194	SpaceX/Seattle	COM	548 x 550 x 97.6	08:27:02
107	2025-211Z	Starlink 34749	SpaceX/Seattle	COM	548 x 550 x 97.6	08:27:03
108	2025-211X	Starlink 35177	SpaceX/Seattle	COM	548 x 550 x 97.6	08:27:05
109	2025-211Y	Starlink 35254	SpaceX/Seattle	COM	548 x 550 x 97.6	08:27:06
110	2025-009V	ION SCV Amazing	D-ORBIT	TECH	305 x 1175 x 97.5	08:52:12
111	2025-112N	Starlink 34166	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:17
112	2025-112D	Starlink 33924	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:17

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
113	2025-112Z	Starlink 34175	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:20
114	2025-112C	Starlink 34213	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:21
115	2025-112P	Starlink 34344	SpaceX/Seattle	COM	549 x 549 x 97.6	08:56:23
116	2025-112T	Starlink 34340	SpaceX/Seattle	COM	549 x 549 x 97.6	08:56:25
117	2025-112A	Starlink 34314	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:26
118	2025-112L	Starlink 34277	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:26
119	2025-112U	Starlink 34263	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:30
120	2025-112G	Starlink 34348	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:31
121	2025-112Q	Starlink 34339	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:31
122	2025-112V	Starlink 33793	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:34
123	2025-112H	Starlink 34345	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:35
124	2025-112M	Starlink 34343	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:36
125	2025-112W	Starlink 34313	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:39
126	2025-112B	Starlink 33926	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:40
127	2025-112R	Starlink 34341	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:40
128	2025-112X	Starlink 34309	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:44
129	2025-112E	Starlink 34209	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:44
130	2025-112K	Starlink 34346	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:45
131	2025-112F	Starlink 34338	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:49
132	2025-112Y	Starlink 34303	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:49
133	2025-112S	Starlink 34317	SpaceX/Seattle	COM	548 x 550 x 97.6	08:56:49
134	2025-028D	Kineis-2E	Kineis	COM	639 x 640 x 97.9	09:00:40
135	2025-184Y	Starlink 34834	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:46
136	2025-184C	Starlink 34954	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:47
137	2025-184U	Starlink 35002	SpaceX/Seattle	COM	548 x 549 x 97.6	09:00:49
138	2025-184L	Starlink 35015	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:51
139	2025-184Z	Starlink 34872	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:52
140	2025-184F	Starlink 35000	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:54
141	2025-184Q	Starlink 35007	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:55
142	2025-184X	Starlink 34613	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:57
143	2025-184B	Starlink 34904	SpaceX/Seattle	COM	548 x 550 x 97.6	09:00:58
144	2025-184N	Starlink 34995	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:00
145	2025-184G	Starlink 35023	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:01
146	2025-184W	Starlink 34951	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:03
147	2025-184P	Starlink 35048	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:05
148	2025-184D	Starlink 34968	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:06
149	2025-184M	Starlink 35006	SpaceX/Seattle	COM	547 x 551 x 97.6	09:01:08
150	2025-184T	Starlink 34984	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:09
151	2025-184H	Starlink 35001	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:11
152	2025-184R	Starlink 35018	SpaceX/Seattle	COM	549 x 549 x 97.6	09:01:13
153	2025-184A	Starlink 34922	SpaceX/Seattle	COM	549 x 549 x 97.6	09:01:13
154	2025-184J	Starlink 35010	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:15
155	2025-184S	Starlink 34845	SpaceX/Seattle	COM	549 x 549 x 97.6	09:01:17
156	2025-184E	Starlink 34935	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:19
157	2025-184V	Starlink 35017	SpaceX/Seattle	COM	548 x 550 x 97.6	09:01:20
158	2025-184K	Starlink 35021	SpaceX/Seattle	COM	549 x 549 x 97.6	09:01:21
159	2025-028C	Kineis-2D	Kineis	COM	642 x 645 x 97.9	09:02:55
160	2025-028G	Kineis-2B	Kineis	COM	648 x 654 x 98.0	09:04:00
161	2025-028B	Kineis-2C	Kineis	COM	652 x 655 x 98.0	09:05:44
162	2025-028E	Kineis-2A	Kineis	COM	651 x 657 x 98.1	09:06:35
163	2025-112J	Starlink 33945	SpaceX/Seattle	COM	548 x 550 x 97.6	09:30:36
164	2025-172A	METOP-SG A1	EUMETSAT	MET	819 x 820 x 98.7	09:31:19
165	2025-154B	TRACERS 1	NASA/Iowa	SCI	585 x 591 x 97.7	09:50:16
166	2025-154E	TRACERS 2	NASA/Iowa	SCI	585 x 591 x 97.7	09:50:19
167	2025-154A	LIDE	Tyvak Intl/Picosats	TECH	584 x 589 x 97.7	09:50:19
168	2025-154C	EPIC Athena	NASA LaRC/USAF STP	TECH	583 x 590 x 97.7	09:50:34
169	2025-154K	Skykraft 4D	SkyKraft	COM	581 x 585 x 97.7	09:50:47

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
170	2025-154H	Skykraft 4C	SkyKraft	COM	581 x 587 x 97.7	09:51:00
171	2025-154J	Skykraft 4A	SkyKraft	COM	579 x 585 x 97.7	09:51:25
172	2025-154D	Skykraft 4A	SkyKraft	COM	576 x 582 x 97.7	09:51:40
173	2025-154L	Skykraft 4E	SkyKraft	COM	576 x 581 x 97.7	09:52:01
174	2025-154F	Bard	APL/NASA	COM	505 x 509 x 97.4	09:53:07
175	2025-256A	Chutian xingzuo	CASIC	IMG	715 x 734 x 98.3	09:58:19
176	2025-154G	REAL	Dartmouth	SCI	483 x 484 x 97.4	09:58:29
177	2025-256B	Chutian xingzuo	CASIC	IMG	715 x 735 x 98.3	09:58:37
178	2025-234C	Beibuwan-1	Zhongke Weixing	IMG-R	487 x 506 x 97.4	10:02:06
179	2025-289A	Yaogan 47	China Aerospace?	IMG	494 x 496 x 97.5	10:04:24
180	2025-234B	TerraX-01	TerraXpace/Zhongke W	IMG-R	498 x 515 x 97.5	10:04:35
181	2025-207V	Starlink 35186	SpaceX/Seattle	COM	548 x 550 x 97.6	10:04:51
182	2025-207A	Starlink 35267	SpaceX/Seattle	COM	548 x 550 x 97.6	10:04:52
183	2025-207J	Starlink 35229	SpaceX/Seattle	COM	548 x 550 x 97.6	10:04:54
184	2025-207Z	Starlink 35174	SpaceX/Seattle	COM	548 x 550 x 97.6	10:04:54
185	2025-207E	Starlink 35253	SpaceX/Seattle	COM	548 x 550 x 97.6	10:04:57
186	2025-207K	Starlink 35234	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:00
187	2025-207Y	Starlink 35206	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:00
188	2025-234A	PRSC-HS1	SUPARCO	IMG-R	466 x 483 x 97.4	10:05:01
189	2025-207C	Starlink 35191	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:02
190	2025-207U	Starlink 35178	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:03
191	2025-207N	Starlink 35251	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:05
192	2025-207F	Starlink 35263	SpaceX/Seattle	COM	547 x 551 x 97.6	10:05:07
193	2025-207L	Starlink 35255	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:08
194	2025-207S	Starlink 35185	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:10
195	2025-207B	Starlink 35269	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:11
196	2025-207P	Starlink 35171	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:12
197	2025-207X	Starlink 35162	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:14
198	2025-207G	Starlink 35248	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:16
199	2025-207M	Starlink 35250	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:17
200	2025-207T	Starlink 35053	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:19
201	2025-207D	Starlink 35261	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:20
202	2025-207W	Starlink 35154	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:22
203	2025-207R	Starlink 35156	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:24
204	2025-207H	Starlink 35245	SpaceX/Seattle	COM	549 x 549 x 97.6	10:05:25
205	2025-207Q	Starlink 35195	SpaceX/Seattle	COM	548 x 550 x 97.6	10:05:27
206	2025-200F	Starlink 35057	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:22
207	2025-200Q	Starlink 35125	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:22
208	2025-200Y	Starlink 35100	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:25
209	2025-200A	Starlink 35112	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:25
210	2025-200P	Starlink 35172	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:27
211	2025-200H	Starlink 35067	SpaceX/Seattle	COM	546 x 552 x 97.6	10:09:29
212	2025-200T	Starlink 35136	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:31
213	2025-200K	Starlink 35077	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:34
214	2025-200U	Starlink 35144	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:34
215	2025-200D	Starlink 35078	SpaceX/Seattle	COM	547 x 551 x 97.6	10:09:35
216	2025-200M	Starlink 35064	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:37
217	2025-200S	Starlink 35044	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:38
218	2025-200E	Starlink 35055	SpaceX/Seattle	COM	549 x 550 x 97.6	10:09:40
219	2025-200X	Starlink 35087	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:42
220	2025-200L	Starlink 35152	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:44
221	2025-200W	Starlink 35052	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:45
222	2025-200B	Starlink 35187	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:46
223	2025-200Z	Starlink 35105	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:48
224	2025-200R	Starlink 35133	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:49
225	2025-200G	Starlink 34674	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:51
226	2025-200N	Starlink 35170	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:53

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
227	2025-200V	Starlink 35110	SpaceX/Seattle	COM	549 x 549 x 97.6	10:09:54
228	2025-200C	Starlink 35188	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:57
229	2025-200J	Starlink 35063	SpaceX/Seattle	COM	548 x 550 x 97.6	10:09:57
230	2025-103D	Nanchang hangkon	Zhangye Xingzuo/NCHU	IMG-R	513 x 514 x 97.4	10:20:35
231	2025-313B	Marafon No. 1	Resehetnev ISS/MAI M	COM	442 x 858 x 97.5	10:20:40
232	2025-103F	Beiyou-3	BUPT	TECH	510 x 513 x 97.4	10:21:16
233	2025-103C	Nanchang hangkon	NCHU/SpaceTy	IMG	506 x 509 x 97.4	10:21:29
234	2025-103B	Nankeda-1	SUSTech/SpaceTy	IMG	507 x 508 x 97.4	10:22:06
235	2025-103E	Beiyou-2	BUPT	TECH	500 x 503 x 97.4	10:22:31
236	2025-313H	Paya	IRSA/IEI	TECH	497 x 620 x 97.3	10:23:02
237	2025-012A	PRSC-EO1	SUPARCO	IMG	508 x 516 x 97.4	10:23:05
238	2025-012B	Tianlu-1	Jianghui Center/Yinh	IMG	499 x 512 x 97.4	10:23:17
239	2025-103A	Dizhi-1	Zhongguo Dizhida/Zhe	IMG	507 x 509 x 97.4	10:23:21
240	2025-276S	ION Galactic Geo	D-ORBIT	TECH	562 x 574 x 97.5	10:24:08
241	2025-276DT	ION Stellar Step	D-ORBIT	TECH	568 x 583 x 97.5	10:24:30
242	2025-100C	Neijiang	Guoxing/Zhejiang Lab	TECH	486 x 523 x 97.4	10:25:35
243	2025-100A	Zhijiang-1	Guoxing/Zhejiang Lab	TECH	487 x 522 x 97.4	10:25:38
244	2025-276CJ	Phasma-Dirac	LSF/HSC	SIG	495 x 513 x 97.4	10:25:44
245	2025-100K	Miyan Wuliaoyuan	Guoxing/Zhejiang Lab	TECH	496 x 513 x 97.4	10:25:51
246	2025-276P	Lilium 2	NCKU	TECH	509 x 519 x 97.4	10:25:57
247	2025-276J	BRO-20	Unseen Labs	SIG	508 x 519 x 97.4	10:26:01
248	2025-276G	BRO-17	Unseen Labs	SIG	509 x 520 x 97.4	10:26:03
249	2025-276AE	YAM-9	Loft Orbital/EarthDa	TECH	519 x 532 x 97.4	10:26:03
250	2025-313D	FRG-10D1	Fergani Space	NAV	495 x 706 x 97.6	10:26:06
251	2025-276DU	WISESAT-5	WiseKey/Fossa System	COM	509 x 516 x 97.4	10:26:08
252	2025-276L	Sari 2	Saudi Space Ag.	TECH	507 x 518 x 97.4	10:26:09
253	2025-276DS	Foresail-1 Prime	Aalto univ.	TECH	511 x 515 x 97.4	10:26:12
254	2025-276C	Phasma-Lamarr	LSF/HSC	SIG	498 x 509 x 97.4	10:26:12
255	2025-313C	FGN-TUG-S01	Fergani Space	TECH	499 x 723 x 97.6	10:26:14
256	2025-276CQ	MikroSAR	MON/Wojzkowe Z.L.	IMG-R	513 x 520 x 97.4	10:26:14
257	2025-276DV	WISESAT-6	WiseKey/Fossa System	COM	509 x 515 x 97.4	10:26:15
258	2025-100L	Yukongzhe	Guoxing/Zhejiang Lab	TECH	497 x 512 x 97.4	10:26:15
259	2025-276BW	Flock 4h-31	Planet	IMG	508 x 515 x 97.4	10:26:16
260	2025-276Q	Otter SDM	DLR	COM	507 x 517 x 97.4	10:26:16
261	2025-276X	PW-6U	SatRevolution	IMG	505 x 516 x 97.4	10:26:16
262	2025-276BT	Flock 4h-28	Planet	IMG	507 x 516 x 97.4	10:26:17
263	2025-276AA	SPiN 2	Space Prod.Inn.	TECH	508 x 516 x 97.4	10:26:17
264	2025-276BH	Flock 4h-18	Planet	IMG	507 x 515 x 97.4	10:26:17
265	2025-276BU	Flock 4h-29	Planet	IMG	508 x 514 x 97.4	10:26:18
266	2025-276K	Sari 1	Saudi Space Ag.	TECH	505 x 515 x 97.4	10:26:19
267	2025-276E	Hunity	BUTE	TECH	498 x 510 x 97.4	10:26:19
268	2025-276BR	Flock 4h-26	Planet	IMG	507 x 516 x 97.4	10:26:19
269	2025-276D	Beatrice Tinsley	URUGUS S.A.	IMG	498 x 509 x 97.4	10:26:20
270	2025-276N	Lemur-2 DeanAndM	Spire	COM/MET-RO	507 x 517 x 97.4	10:26:21
271	2025-276H	TORO2	TASA/Pyras Tech	IMG	502 x 513 x 97.4	10:26:22
272	2025-276Z	AC1-003	BAE Sys DI/In-Space	SIG/IMG	510 x 516 x 97.4	10:26:23
273	2025-276AJ	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	507 x 515 x 97.4	10:26:23
274	2025-276AZ	Flock 4h-10	Planet	IMG	507 x 515 x 97.4	10:26:24
275	2025-276BM	Flock 4h-22	Planet	IMG	507 x 513 x 97.4	10:26:24
276	2025-276DA	HydroGNSS-1	ESA	EOSCI	509 x 515 x 97.4	10:26:25
277	2025-276R	MICE-1	Prisma Elec./HSC	COM	502 x 511 x 97.4	10:26:25
278	2025-276BE	Flock 4h-15	Planet	IMG	507 x 516 x 97.4	10:26:26
279	2025-276CH	AC1-002	BAE Sys DI/In-Space	SIG/IMG	510 x 515 x 97.4	10:26:26
280	2025-276AG	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	507 x 514 x 97.4	10:26:27
281	2025-276CG	AC1-001	BAE Sys DI/In-Space	SIG/IMG	509 x 515 x 97.4	10:26:27
282	2025-276T	6GStarLab	i2CAT	COM	508 x 518 x 97.4	10:26:27
283	2025-276AW	Flock 4h-7	Planet	IMG	508 x 513 x 97.4	10:26:27

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
284	2025-276Y	WISDOM A	C3S	TECH	507 x 516 x 97.4	10:26:27
285	2025-276CR	ICEYE-X60	ICEYE	IMG-R	509 x 514 x 97.4	10:26:27
286	2025-276AN	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	506 x 514 x 97.4	10:26:28
287	2025-276AK	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	506 x 514 x 97.4	10:26:29
288	2025-100E	Taizhou	Guoxing/Zhejiang Lab	TECH	506 x 514 x 97.4	10:26:29
289	2025-276DB	HydroGNSS-2	ESA	EOSCI	510 x 515 x 97.4	10:26:29
290	2025-276AT	Flock 4h-4	Planet	IMG	507 x 515 x 97.4	10:26:30
291	2025-276BX	Flock 4h-32	Planet	IMG	507 x 515 x 97.4	10:26:30
292	2025-276W	Lemur-2 Stas-Gor	Spire	COM/MET-RO	507 x 516 x 97.4	10:26:31
293	2025-276F	Black Kite 1	TASA/Rapidtek	COM	504 x 514 x 97.4	10:26:31
294	2025-276CF	Melina Furman	URUGUS S.A.	IMG	507 x 511 x 97.4	10:26:32
295	2025-276AM	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	506 x 514 x 97.4	10:26:33
296	2025-276BF	Flock 4h-16	Planet	IMG	507 x 515 x 97.4	10:26:33
297	2025-276BV	Flock 4h-30	Planet	IMG	507 x 515 x 97.4	10:26:33
298	2025-276BN	Flock 4h-23	Planet	IMG	507 x 515 x 97.4	10:26:33
299	2025-276AB	TRYAD 1	Auburn U/UAH	SCI	505 x 514 x 97.4	10:26:34
300	2025-276CT	ICEYE-X62	ICEYE	IMG-R	508 x 513 x 97.4	10:26:34
301	2025-276AC	Yvonne Brill	URUGUS S.A.	IMG	508 x 514 x 97.4	10:26:34
302	2025-276M	ANISCSAT	Azerkosmos	TECH	503 x 512 x 97.4	10:26:34
303	2025-276DC	Nahla	Aerospacelab	IMG	508 x 514 x 97.4	10:26:34
304	2025-276CE	Mercury One	Proteus Space	TECH	508 x 513 x 97.4	10:26:36
305	2025-276AD	TRYAD 2	Auburn U/UAH	SCI	503 x 511 x 97.4	10:26:36
306	2025-276BP	Flock 4h-24	Planet	IMG	507 x 515 x 97.4	10:26:37
307	2025-276B	Pelican 5	Planet	IMG	504 x 508 x 97.4	10:26:38
308	2025-276AX	Flock 4h-8	Planet	IMG	507 x 514 x 97.4	10:26:39
309	2025-276CS	ICEYE-X61	ICEYE	IMG-R	507 x 513 x 97.4	10:26:40
310	2025-276BS	Flock 4h-27	Planet	IMG	507 x 510 x 97.4	10:26:40
311	2025-276AS	Flock 4h-3	Planet	IMG	507 x 514 x 97.4	10:26:41
312	2025-276CP	ICEYE-X58	ICEYE	IMG-R	507 x 513 x 97.4	10:26:41
313	2025-276CM	PIAST-S1	Wojskowa Ak.Tech.	IMG	507 x 511 x 97.4	10:26:41
314	2025-276CC	HCT-SAT2	HCT/Rashid Space Ctr	TECH	506 x 512 x 97.4	10:26:42
315	2025-276CD	WISDOM B	C3S	TECH	508 x 515 x 97.4	10:26:43
316	2025-276AQ	Flock 4h-1	Planet	IMG	506 x 511 x 97.4	10:26:43
317	2025-276V	LEO Express 3	Impulse Space	TECH	503 x 511 x 97.4	10:26:43
318	2025-276U	CTC-1B	SpaceCoin/Arrow Sci	COM	506 x 516 x 97.4	10:26:43
319	2025-276AP	Pelican 6	Planet	IMG	498 x 502 x 97.4	10:26:43
320	2025-276BB	Flock 4h-12	Planet	IMG	506 x 511 x 97.4	10:26:44
321	2025-100F	Haikou	Guoxing/Zhejiang Lab	TECH	506 x 511 x 97.4	10:26:44
322	2025-276AR	Flock 4h-2	Planet	IMG	506 x 510 x 97.4	10:26:44
323	2025-276DF	Accenture-1	Accenture/Open Cosmo	IMG	508 x 509 x 97.4	10:26:45
324	2025-276CW	PIAST-M	Wojskowa Ak.Tech.	IMG	507 x 510 x 97.4	10:26:45
325	2025-276AU	Flock 4h-5	Planet	IMG	507 x 510 x 97.4	10:26:46
326	2025-276CU	MAUVE	Blue Skies Space	AST	507 x 511 x 97.4	10:26:46
327	2025-276AH	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	506 x 510 x 97.4	10:26:46
328	2025-276BA	Flock 4h-11	Planet	IMG	505 x 511 x 97.4	10:26:47
329	2025-276CX	Veery-0G	Care Weather	MET	506 x 509 x 97.4	10:26:47
330	2025-276DE	Bellbird-1	TASA/Tron Future Tec	COM	507 x 508 x 97.4	10:26:48
331	2025-276AY	Flock 4h-9	Planet	IMG	506 x 512 x 97.4	10:26:49
332	2025-276CY	AE5RA	ArkEdge	SIG	507 x 510 x 97.4	10:26:49
333	2025-276DP	PHI-1	Rashid Space Ctr	TECH	506 x 508 x 97.4	10:26:49
334	2025-276DG	Lemur-2 Teodor	Spire	COM/MET-RO	506 x 508 x 97.4	10:26:51
335	2025-276BQ	Flock 4h-25	Planet	IMG	507 x 509 x 97.4	10:26:51
336	2025-276AV	Flock 4h-6	Planet	IMG	506 x 512 x 97.4	10:26:51
337	2025-276BL	Flock 4h-21	Planet	IMG	505 x 510 x 97.4	10:26:52
338	2025-276CA	Flock 4h-35	Planet	IMG	506 x 510 x 97.4	10:26:52
339	2025-276AF	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	506 x 509 x 97.4	10:26:53
340	2025-276CV	PIAST-S2	Wojskowa Ak.Tech.	IMG	507 x 510 x 97.4	10:26:53

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
341	2025-276CN	CTC-1C	SpaceCoin/Arrow Sci	COM	507 x 511 x 97.4	10:26:54
342	2025-276BJ	Flock 4h-19	Planet	IMG	505 x 508 x 97.4	10:26:55
343	2025-276CB	Flock 4h-36	Planet	IMG	507 x 511 x 97.4	10:26:57
344	2025-276BG	Flock 4h-17	Planet	IMG	506 x 511 x 97.4	10:26:57
345	2025-276AL	IRIDE-MS1-Eaglet	ASI/OHB-I	TECH	506 x 509 x 97.4	10:26:57
346	2025-276BC	Flock 4h-13	Planet	IMG	507 x 509 x 97.4	10:26:57
347	2025-276BZ	Flock 4h-34	Planet	IMG	507 x 511 x 97.4	10:26:59
348	2025-276BD	Flock 4h-14	Planet	IMG	506 x 509 x 97.4	10:26:59
349	2025-276DH	Speqtre	RAL/SpEqtral	TECH	507 x 508 x 97.4	10:27:00
350	2025-276DQ	Lemur-2 Laila	Spire	COM/MET-RO	506 x 507 x 97.4	10:27:01
351	2025-276BK	Flock 4h-20	Planet	IMG	505 x 510 x 97.4	10:27:01
352	2025-276BY	Flock 4h-33	Planet	IMG	506 x 509 x 97.4	10:27:01
353	2025-276CZ	AE5RB	ArkEdge	SIG	505 x 507 x 97.4	10:27:02
354	2025-276DJ	Lilium 3	NCKU	TECH	508 x 510 x 97.4	10:27:04
355	2025-276DN	Gena-OT-1	OroraTech/U Bundeswe	TECH	507 x 507 x 97.4	10:27:05
356	2025-276DM	CTC-1A	SpaceCoin/Arrow Sci	COM	507 x 508 x 97.4	10:27:06
357	2025-276DK	Gyeonggisat-1	Nara Space	IMG	507 x 508 x 97.4	10:27:08
358	2025-276DL	IHI-SAT-2	IHI Corp	COM	506 x 506 x 97.4	10:27:13
359	2025-276CL	Umbra-11	Umbra Labs	IMG-R	500 x 504 x 97.4	10:27:14
360	2025-276DD	AE5RC	ArkEdge	SIG	503 x 504 x 97.4	10:27:19
361	2025-276DR	Luna-1	Aselsan	COM	504 x 505 x 97.4	10:27:30
362	2025-276A	Formosat-8A	TASA	IMG/SCI	560 x 567 x 97.7	10:28:05
363	2025-012C	Lantan-1	Hangzhou Dianzi	IMG	486 x 496 x 97.4	10:28:46
364	2025-108C	Xingrui-11	Zhongke Xingrui	IMG	514 x 535 x 97.5	10:29:53
365	2025-108A	Taijing-3 04	MinoSpace	IMG	519 x 523 x 97.5	10:30:15
366	2025-242A	Gao Fen 14-02	Yaogan Zongti	IMG	487 x 492 x 97.4	10:30:16
367	2025-313J	SITRO-AIS-57	Sitronics	COM	491 x 515 x 97.4	10:30:22
368	2025-009DQ	Sedna-2	AAC ClydeSpace	COM	528 x 543 x 97.5	10:30:22
369	2025-313L	SITRO-AIS-58	Sitronics	COM	491 x 515 x 97.4	10:30:23
370	2025-313K	SITRO-AIS-59	Sitronics	COM	491 x 515 x 97.4	10:30:23
371	2025-313Z	SCH-619	STTs	TECH	493 x 516 x 97.4	10:30:24
372	2025-313N	SITRO-AIS-60	Sitronics	COM	492 x 515 x 97.4	10:30:25
373	2025-313AE	Argus-312	Kaisant	COM	492 x 514 x 97.4	10:30:26
374	2025-313AB	VM-3.1	STTs	TECH	493 x 516 x 97.4	10:30:26
375	2025-313AD	Vladivostok-2	DVFU	SCI	492 x 514 x 97.4	10:30:26
376	2025-100J	Tiantie Keji	Guoxing/Zhejiang Lab	TECH	464 x 475 x 97.4	10:30:26
377	2025-313AF	Grifon-4	Novosibirsk SU	COM	492 x 513 x 97.4	10:30:26
378	2025-313AG	Khors No. 5	MG TU Bauman	MET-RO	492 x 514 x 97.4	10:30:27
379	2025-313W	Zorkiy-2M No. 7	Sputniks	IMG	491 x 514 x 97.4	10:30:28
380	2025-313AC	Mokha-1	Kaisant	COM	492 x 514 x 97.4	10:30:28
381	2025-313AK	Aist-ST	SNIU	IMG-R	492 x 511 x 97.4	10:30:28
382	2025-313Q	Ansar-1	STTs	TECH	491 x 513 x 97.4	10:30:29
383	2025-313AH	UTE-Galapagos	UTE/SWSU	TECH	492 x 514 x 97.4	10:30:30
384	2025-313T	SITRO-TD-4	Sitronics	COM	491 x 514 x 97.4	10:30:30
385	2025-313V	Grifon-1	Novosibirsk SU	IMG	491 x 513 x 97.4	10:30:31
386	2025-313Y	SITRO-TD-3	Sitronics	COM	491 x 514 x 97.4	10:30:31
387	2025-100G	Maanshan Zhishua	Guoxing/Zhejiang Lab	TECH	480 x 499 x 97.4	10:30:31
388	2025-313AA	Polytech-Univers	Polytech	SCI	490 x 513 x 97.4	10:30:32
389	2025-313R	DCS-1	Telnet Holding?	TECH	491 x 514 x 97.4	10:30:33
390	2025-313U	SITRO-AIS-65	Sitronics	COM	491 x 514 x 97.4	10:30:34
391	2025-313S	Kowsar-1.5	Omid-e-Faza/ISRC	TECH	492 x 515 x 97.4	10:30:36
392	2025-313AN	Lobachevskiy	Lobachevskiy UNN	IMG	492 x 510 x 97.4	10:30:37
393	2025-313M	CSTP-3.10	STTs	TECH	490 x 513 x 97.4	10:30:38
394	2025-313X	Grifon-2	Novosibirsk SU	IMG	490 x 512 x 97.4	10:30:39
395	2025-313AL	Grifon-3	Novosibirsk SU	IMG	492 x 509 x 97.4	10:30:39
396	2025-313AP	NASBSat-2	AN Belarus	IMG	491 x 508 x 97.4	10:30:41
397	2025-313AJ	Zafar-2	IRSA/IUST	TECH	492 x 513 x 97.4	10:30:41

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
398	2025-313P	SM-3.1	STTs	TECH	489 x 511 x 97.4	10:30:43
399	2025-313AS	Yeya-2	Kaisant	COM	491 x 509 x 97.4	10:30:43
400	2025-313AM	MorSat-1	AmGU/MAI Moskva	TECH	491 x 508 x 97.4	10:30:44
401	2025-188G	LEAP-1	Dhruva Space	TECH	593 x 596 x 97.7	10:30:44
402	2025-313AX	Skorpion	MGU	SCI	492 x 509 x 97.4	10:30:46
403	2025-313AQ	Mule-4T	OKB 5 Pok.	TECH	492 x 507 x 97.4	10:30:47
404	2025-313AR	Luca	Montenegro SR	TECH	491 x 507 x 97.4	10:30:49
405	2025-100D	Neijiang Gaoxin	Guoxing/Zhejiang Lab	TECH	464 x 475 x 97.4	10:30:49
406	2025-313AU	SakhaCube-Cholbo	Sakha MAN	TECH	491 x 506 x 97.4	10:30:50
407	2025-313AZ	Zorkiy-2M No. 5	Sputniks	IMG	490 x 507 x 97.4	10:30:51
408	2025-313AW	SITRO-AIS-64	Sitronics	IMG	491 x 505 x 97.4	10:30:53
409	2025-313E	Zorkiy-2M VPE	Sputniks	IMG	490 x 506 x 97.4	10:30:53
410	2025-313AT	NASBSat-1	AN Belarus	SCI	490 x 505 x 97.4	10:30:53
411	2025-313AV	QMR-KWT-2	Orbital Space KW	TECH	490 x 505 x 97.4	10:30:53
412	2025-313AY	SITRO-AIS-63	Sitronics	COM	491 x 505 x 97.4	10:30:54
413	2025-313BA	SITRO-AIS-62	Sitronics	COM	491 x 505 x 97.4	10:30:55
414	2025-313BB	SITRO-AIS-61	Sitronics	COM	491 x 504 x 97.4	10:30:56
415	2025-100M	Dalinghaowan	Guoxing/Zhejiang Lab	TECH	462 x 476 x 97.4	10:30:58
416	2025-314A	Tianhui-7	G. Cehui dili	IMG	486 x 489 x 97.4	10:31:02
417	2025-313BC	TriSat-1	Unknown (RU)	TECH	482 x 495 x 97.4	10:31:05
418	2025-313BD	Trisat-2	RUVDS	TECH	482 x 493 x 97.4	10:31:09
419	2025-313BE	Trisat-3	Jami'at Qatar	TECH	481 x 493 x 97.4	10:31:09
420	2025-009X	ION SCV Eminent	D-ORBIT	TECH	549 x 555 x 97.5	10:31:19
421	2025-100H	Chongzhou	Guoxing/Zhejiang Lab	TECH	461 x 475 x 97.4	10:31:29
422	2025-292D	Jilin-1 GaoFen 0	Chang Guang	IMG	540 x 561 x 97.6	10:31:35
423	2025-292A	Jilin-1 GaoFen 0	Chang Guang	IMG	539 x 562 x 97.6	10:31:35
424	2025-292C	Jilin-1 GaoFen 0	Chang Guang	IMG	539 x 561 x 97.6	10:31:36
425	2025-292B	UAE-813	UAESA/UAE University	EOSCI	539 x 561 x 97.6	10:31:39
426	2025-292J	Slippers2Sat	Antarikhya	TECH	539 x 562 x 97.6	10:31:40
427	2025-292E	Dongpo 15	Meishan Huantian	IMG	539 x 561 x 97.6	10:31:43
428	2025-188D	Capella 16	Capella Space	IMG-R	586 x 590 x 97.7	10:31:49
429	2025-292F	Yuxing-2 09	Xinghu Chuanming	IMG	537 x 560 x 97.6	10:31:52
430	2025-292G	Yixian-A (R)	Zhongda	TECH	538 x 561 x 97.6	10:31:55
431	2025-292H	SPNeX	EgSA	SCI	537 x 559 x 97.6	10:32:00
432	2025-100B	Zhijiang-2	Guoxing/Zhejiang Lab	TECH	463 x 477 x 97.4	10:32:11
433	2025-108D	Xingjiyuan-1	Guoyu Zhilian	IMG	504 x 523 x 97.5	10:32:26
434	2025-108B	Taijing-4 02A	MinoSpace	IMG-R	502 x 520 x 97.5	10:32:34
435	2025-188E	Firefly 6	Pixxel	IMG	583 x 594 x 97.7	10:32:45
436	2025-188F	Firefly 4	Pixxel	IMG	582 x 595 x 97.7	10:32:53
437	2025-188H	Firefly 5	Pixxel	IMG	580 x 598 x 97.7	10:32:56
438	2025-009BH	Lyra-1	Echostar AU	COM	511 x 522 x 97.4	10:33:13
439	2025-188C	NAOS	Dir. Defence/LuxEOPs	IMG	450 x 450 x 97.2	10:33:21
440	2025-160A	Enshi Xidou Shan	Hangsheng	IMG	460 x 470 x 97.4	10:33:48
441	2025-313G	Aist-2T No. 2	Roskosmos	IMG	370 x 378 x 97.1	10:33:57
442	2025-108E	Tada Huyang 1	Weilai Yuhang KK/Tar	MET	493 x 512 x 97.5	10:34:02
443	2025-009DR	PoSAT-2	LusoSpace	COM	533 x 542 x 97.5	10:34:10
444	2025-313F	Aist-2T No. 1	Roskosmos	IMG	369 x 375 x 97.1	10:34:13
445	2025-188A	Pelican 3	Planet	IMG	439 x 449 x 97.2	10:35:08
446	2025-108F	Xiguang 1-02	Xiopm Space	IMG	488 x 506 x 97.5	10:35:22
447	2025-188B	Pelican 4	Planet	IMG	439 x 449 x 97.2	10:35:25
448	2025-009DN	FOSSASAT FO020	Fossa Systems	COM	484 x 490 x 97.3	10:36:00
449	2025-300A	Zi Yuan 3-04	G. Cehui dili/CRESDA	IMG	497 x 507 x 97.5	10:38:55
450	2025-165K	Starlink 34806	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:09
451	2025-165Q	Starlink 34794	SpaceX/Seattle	COM	547 x 551 x 97.6	10:39:10
452	2025-165B	Starlink 34745	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:11
453	2025-165R	Starlink 34805	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:14
454	2025-165N	Starlink 34810	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:14

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
455	2025-165U	Starlink 34780	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:16
456	2025-165P	Starlink 34809	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:18
457	2025-165M	Starlink 34802	SpaceX/Seattle	COM	547 x 551 x 97.6	10:39:19
458	2025-165G	Starlink 34708	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:21
459	2025-165A	Starlink 34788	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:22
460	2025-165C	Starlink 34779	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:24
461	2025-165D	Starlink 34803	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:27
462	2025-165S	Starlink 34735	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:28
463	2025-165J	Starlink 34793	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:32
464	2025-165E	Starlink 34717	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:33
465	2025-226B	Shutianyuxing-01	Shikong Daoyu	IMG	524 x 551 x 97.6	10:39:35
466	2025-165H	Starlink 34798	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:36
467	2025-165L	Starlink 34739	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:38
468	2025-165F	Starlink 34750	SpaceX/Seattle	COM	547 x 551 x 97.6	10:39:40
469	2025-165T	Starlink 34781	SpaceX/Seattle	COM	548 x 550 x 97.6	10:39:43
470	2025-156A	MicroCarb	CNES	SCI	643 x 664 x 98.0	10:41:07
471	2025-115A	Shi Jian 26	China Aerospace?	IMG	484 x 513 x 97.5	10:41:18
472	2025-226C	Shutianyuxing-02	Shikong Daoyu	IMG	513 x 533 x 97.6	10:41:50
473	2025-226A	Jixing Kuanfu-02	Chang Guang	IMG	513 x 532 x 97.7	10:42:31
474	2025-051A	Siwei Gaojing 3-	Siwei	IMG	497 x 498 x 97.5	10:44:01
475	2025-009CQ	Connecta IOT-8	Plan-S	COM	586 x 592 x 97.7	10:45:06
476	2025-156D	CO3D F2	CNES	SCI	504 x 505 x 97.4	10:45:18
477	2025-156E	CO3D F1	CNES	SCI	504 x 505 x 97.4	10:45:19
478	2025-156C	CO3D F4	CNES	SCI	504 x 506 x 97.4	10:45:43
479	2025-156B	CO3D F3	CNES	SCI	504 x 505 x 97.4	10:45:43
480	2025-009A	Buzzer-1	Unseen Labs	SIG	498 x 510 x 97.4	10:45:45
481	2025-009CZ	Firefly 2	Pixxel	IMG	584 x 594 x 97.7	10:45:51
482	2025-009BV	FOSSASAT FO019	Fossa Systems	COM	500 x 509 x 97.4	10:45:53
483	2025-009CT	ICEYE-X42	Space42	IMG-R	591 x 592 x 97.7	10:46:00
484	2025-009CF	FOSSASAT FO018	Fossa Systems	COM	499 x 510 x 97.4	10:46:08
485	2025-009U	Ray 1.0	Inversion Space	TECH	500 x 512 x 97.4	10:46:13
486	2025-009CS	IRIDE-MS2-HEO-1	ASI/ArgoTec	IMG	583 x 588 x 97.7	10:46:16
487	2025-009BJ	Jay D2	DRDC/UTIAS-SFL	IMG	498 x 505 x 97.4	10:46:22
488	2025-009CW	Firefly 1	Pixxel	IMG	586 x 592 x 97.7	10:46:27
489	2025-009CP	Lemur-2 Wilson	Spire	COM/MET-RO	580 x 587 x 97.7	10:46:28
490	2025-009DF	Firefly 3	Pixxel	IMG	586 x 592 x 97.7	10:46:38
491	2025-009DE	Connecta IOT-6	Plan-S	COM	584 x 587 x 97.7	10:46:41
492	2025-009BQ	SkyBee-AO1	ConstellR	IMG	500 x 509 x 97.4	10:47:00
493	2025-009CX	NORSAT-4	NSC	COM/TECH	581 x 585 x 97.7	10:47:22
494	2025-009CY	Connecta IOT-5	Plan-S	COM	581 x 586 x 97.7	10:47:23
495	2025-009C	Balkan-1	Endurosat	IMG	490 x 502 x 97.4	10:47:28
496	2025-009BM	Jay C	DRDC/UTIAS-SFL	IMG	497 x 505 x 97.4	10:47:39
497	2025-009T	MBZSAT	Rashid Space Ctr	IMG	506 x 513 x 97.4	10:47:42
498	2025-009DL	Connecta IOT-7	Plan-S	COM	585 x 586 x 97.7	10:47:57
499	2025-009BR	Skylink-2	Hello Space	COM	496 x 504 x 97.4	10:47:59
500	2025-009DC	ICEYE-X44	Space42	IMG-R	580 x 583 x 97.7	10:48:20
501	2025-009CB	OT-FOREST-3 BJOE	OroraTech	IMG	492 x 500 x 97.4	10:48:36
502	2025-009CD	IRIS-F2	NCKU	TECH	487 x 496 x 97.4	10:48:48
503	2025-009BN	Jay D1	DRDC/UTIAS-SFL	IMG	497 x 506 x 97.4	10:48:57
504	2025-009CV	ICEYE-X41	ICEYE US	IMG-R	577 x 581 x 97.7	10:49:20
505	2025-009CE	Flock 4g-33	Planet	IMG	489 x 499 x 97.4	10:49:27
506	2025-009H	InnoCube	TUB	TECH	487 x 497 x 97.4	10:49:33
507	2025-009G	Veery-0F	Care Weather	MET	488 x 498 x 97.4	10:49:38
508	2025-009AW	PAUSAT-1	Air University	IMG	496 x 500 x 97.4	10:49:42
509	2025-009Z	SIGI 1	MBS/Reflex	COM	493 x 499 x 97.4	10:50:56
510	2025-009DK	Centauri 8	Fleet Space	COM	575 x 577 x 97.7	10:51:00
511	2025-009DD	Centauri 7	Fleet Space	COM	576 x 577 x 97.7	10:51:25

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
512	2025-009L	IRIS-F3	NCKU	TECH	488 x 498 x 97.4	10:51:41
513	2025-009AC	GARAI A	Satlantis	IMG	498 x 502 x 97.4	10:51:58
514	2025-009P	Flock 4g-9	Planet	IMG	484 x 492 x 97.4	10:52:00
515	2025-009AX	BRO-16	Unseen Labs	SIG	495 x 499 x 97.4	10:52:09
516	2025-009BP	Flock 4g-10	Planet	IMG	482 x 490 x 97.4	10:52:13
517	2025-009BY	Flock 4g-30	Planet	IMG	482 x 490 x 97.4	10:52:15
518	2025-009R	Flock 4g-7	Planet	IMG	483 x 488 x 97.4	10:52:47
519	2025-009BC	Flock 4g-4	Planet	IMG	484 x 489 x 97.4	10:52:53
520	2025-009CA	Flock 4g-17	Planet	IMG	481 x 489 x 97.4	10:52:57
521	2025-009BD	Flock 4g-6	Planet	IMG	482 x 488 x 97.4	10:52:58
522	2025-009AJ	Flock 4g-27	Planet	IMG	484 x 488 x 97.4	10:53:07
523	2025-009W	Flock 4g-11	Planet	IMG	483 x 488 x 97.4	10:53:19
524	2025-009AH	UzmaSat-1	Uzma/URUGUS S.A.	IMG	485 x 489 x 97.4	10:53:26
525	2025-009N	Flock 4g-13	Planet	IMG	472 x 478 x 97.4	10:53:29
526	2025-009AQ	Flock 4g-23	Planet	IMG	483 x 487 x 97.4	10:53:35
527	2025-009AT	Flock 4g-34	Planet	IMG	484 x 488 x 97.4	10:53:47
528	2025-009BZ	Flock 4g-18	Planet	IMG	481 x 490 x 97.4	10:53:47
529	2025-009AV	Flock 4g-31	Planet	IMG	485 x 488 x 97.4	10:53:47
530	2025-009DJ	SatGus	CrunchLabs	IMG	566 x 571 x 97.7	10:53:50
531	2025-009CU	Lemur-2 Arianna	Spire	COM/MET-RO	563 x 567 x 97.7	10:53:55
532	2025-009BU	Flock 4g-36	Planet	IMG	482 x 489 x 97.4	10:53:57
533	2025-009BL	Flock 4g-14	Planet	IMG	482 x 489 x 97.4	10:54:15
534	2025-009AD	Flock 4g-20	Planet	IMG	463 x 465 x 97.4	10:54:22
535	2025-009BA	TES-22	ARC	TECH	484 x 487 x 97.4	10:54:24
536	2025-009CR	Lemur-2 Star-Fox	Spire	COM/MET-RO	565 x 565 x 97.7	10:54:25
537	2025-009S	Flock 4g-12	Planet	IMG	483 x 489 x 97.4	10:54:27
538	2025-009BX	Flock 4g-15	Planet	IMG	481 x 489 x 97.4	10:54:27
539	2025-009BB	TROLL	TRL Space	TECH	481 x 484 x 97.4	10:54:32
540	2025-009BE	Flock 4g-2	Planet	IMG	481 x 488 x 97.4	10:54:45
541	2025-009BK	Flock 4g-1	Planet	IMG	482 x 488 x 97.4	10:54:45
542	2025-009E	Flock 4g-8	Planet	IMG	481 x 488 x 97.4	10:54:45
543	2025-009AK	Flock 4g-29	Planet	IMG	484 x 488 x 97.4	10:54:46
544	2025-009AA	Flock 4g-26	Planet	IMG	483 x 488 x 97.4	10:54:54
545	2025-009AG	Flock 4g-3	Planet	IMG	483 x 488 x 97.4	10:54:59
546	2025-009Q	Otter	USN PGS	TECH	480 x 488 x 97.4	10:55:05
547	2025-009AN	Flock 4g-22	Planet	IMG	484 x 487 x 97.4	10:55:08
548	2025-009AP	Flock 4g-25	Planet	IMG	483 x 487 x 97.4	10:55:13
549	2025-009AR	LIME	NOVI	TECH	479 x 483 x 97.4	10:55:25
550	2025-009BG	Flock 4g-5	Planet	IMG	478 x 484 x 97.4	10:55:30
551	2025-009D	GESAT Gen1	Absolut Sensing/Nano	EOSCI	485 x 487 x 97.4	10:55:32
552	2025-009B	Edison-1	Space Inventor/ESA	TECH	476 x 485 x 97.4	10:55:37
553	2025-009AE	Flock 4g-24	Planet	IMG	481 x 486 x 97.4	10:55:38
554	2025-009CC	Flock 4g-35	Planet	IMG	467 x 473 x 97.4	10:55:51
555	2025-009BT	FUSION 1	Seiren	IMG	480 x 488 x 97.4	10:55:57
556	2025-009DG	Lemur-2 RoundTri	Spire	COM/MET-RO	559 x 564 x 97.7	10:55:58
557	2025-009AU	Flock 4g-21	Planet	IMG	481 x 484 x 97.4	10:56:09
558	2025-009DB	Lemur-2 Alisia	Spire	COM/MET-RO	561 x 567 x 97.7	10:56:26
559	2025-009BS	LEO Express 2	Impulse Space	TECH	417 x 527 x 97.5	10:56:37
560	2025-009DH	Lemur-2 MyNameIs	Spire	COM/MET-RO	559 x 564 x 97.7	10:57:11
561	2025-009AZ	PARUS-T1	TASA/Pyras Tech	TECH	475 x 478 x 97.4	10:57:19
562	2025-009CH	BlueBon	SatRevolution/TelePI	IMG	478 x 482 x 97.4	10:58:20
563	2025-009CL	Poquito	U Lux.	TECH	453 x 456 x 97.4	10:59:08
564	2025-051B	Tianyan-23	Tianlian Cekong/Zuiz	IMG	440 x 450 x 97.5	11:00:08
565	2025-009AB	Flock 4g-28	Planet	IMG	466 x 470 x 97.4	11:00:51
566	2025-009BW	Elevation-1	Almagest IOM/XDLINX	COM	457 x 463 x 97.4	11:00:55
567	2025-009AL	Flock 4g-32	Planet	IMG	425 x 427 x 97.4	11:01:05
568	2025-185A	Dresden	E-Space	COM	628 x 650 x 98.0	11:02:45

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No	Piece	Name	Operator	Mission	Orbit	LTDN
569	2025-185C	Stark	E-Space	COM	626 x 645 x 98.0	11:02:50
570	2025-185B	Fourier	E-Space	COM	628 x 650 x 98.0	11:02:52
571	2025-185E	Basil	E-Space	COM	628 x 650 x 98.0	11:02:52
572	2025-185F	Dojo	E-Space	COM	628 x 650 x 98.0	11:02:53
573	2025-009AM	ANSER-L-S	INTA	IMG	456 x 460 x 97.4	11:03:25
574	2025-009DU	Flock 4g-19	Planet	IMG	422 x 426 x 97.4	11:04:14
575	2025-009AY	FGN-100-d1	Fergani Space	NAV	459 x 461 x 97.4	11:04:48
576	2025-009J	SCOT-Digantara	Digantara/OrbAstro	EW	440 x 446 x 97.4	11:04:49
577	2025-009AS	AE1c	ArkEdge	TECH	450 x 452 x 97.4	11:06:44
578	2025-009DA	ICEYE-X45	ICEYE US	IMG-R	563 x 565 x 97.8	11:07:46
579	2025-009K	AE1d	ArkEdge	TECH	433 x 437 x 97.4	11:08:45
580	2025-009M	Saturnin-1	VZ CR/VZLU	IMG	432 x 436 x 97.4	11:09:04
581	2025-009AF	Flock 4g-16	Planet	IMG	431 x 432 x 97.4	11:09:06
582	2025-009CN	Skylink-1	Hello Space	COM	399 x 404 x 97.4	11:19:05
583	2025-009CJ	LOGSATS-2	EOS Space	COM	380 x 384 x 97.4	11:19:10
584	2025-009DM	Prometheus	Minho U	TECH	396 x 400 x 97.4	11:19:12
585	2025-009F	HCT-SAT-1	HCT/Rashid Space Ctr	TECH	379 x 382 x 97.4	11:19:41
586	2025-009Y	Pelican 2	Planet	IMG	442 x 448 x 97.4	11:23:50
587	2025-135BB	Lyra-3	Echostar AU	COM	633 x 663 x 97.8	12:44:19
588	2025-135R	W-4	Varda Space	MGRAV	283 x 853 x 97.5	13:00:46
589	2025-135AH	PADRE	UCB/GSFC	AST	590 x 592 x 97.8	13:05:32
590	2025-135AP	Shaggy	Hubble Network/Spire	COM	587 x 591 x 97.8	13:06:00
591	2025-135BH	Capella 17	Capella Space	IMG-R	591 x 599 x 97.8	13:06:16
592	2025-135AX	VanZyl-2	Hydosat	IMG	585 x 589 x 97.7	13:06:31
593	2025-135AQ	ARVAKER 3	NSC	SIG	587 x 590 x 97.8	13:06:32
594	2025-135AR	ARVAKER 2	NSC	SIG	587 x 590 x 97.8	13:06:37
595	2025-135AL	Lilo	Hubble Network/Endur	COM	588 x 589 x 97.8	13:06:41
596	2025-135BE	EDA-1	Loft Orbital/EarthDa	TECH	591 x 596 x 97.8	13:06:45
597	2025-135AS	IRIDE-MS2-HEO-3	ASI/ArgoTec	IMG	585 x 589 x 97.8	13:06:52
598	2025-135AW	ICEYE-X52	ICEYE	IMG-R	586 x 590 x 97.8	13:06:55
599	2025-135AV	IRIDE-MS2-HEO-5	ASI/ArgoTec	IMG	585 x 589 x 97.8	13:06:55
600	2025-135AT	IRIDE-MS2-HEO-2	ASI/ArgoTec	IMG	586 x 590 x 97.8	13:06:58
601	2025-135BA	IRIDE-MS2-HEO-6	ASI/ArgoTec	IMG	584 x 589 x 97.8	13:07:03
602	2025-135AN	Time Flies	TrustPoint	NAV	584 x 586 x 97.8	13:07:04
603	2025-135AU	ICEYE-X54	ICEYE	IMG-R	584 x 588 x 97.8	13:07:06
604	2025-135J	WISESAT-3	WiseKey	COM	506 x 510 x 97.5	13:07:07
605	2025-135BD	GRUS-3 Alpha	AXELSPACE	IMG	586 x 592 x 97.8	13:07:09
606	2025-135AJ	ADDCUBE	Nara Space	COM	584 x 584 x 97.8	13:07:23
607	2025-135BQ	PARUS-T2	TASA	TECH	582 x 591 x 97.8	13:07:30
608	2025-135BG	IRIDE-MS2-HEO-4	ASI/ArgoTec	IMG	582 x 589 x 97.8	13:07:30
609	2025-135AM	AE3Va	ArkEdge	COM	579 x 582 x 97.8	13:07:34
610	2025-135BP	Satoro-T3	Satoro	TECH	582 x 590 x 97.8	13:07:38
611	2025-135L	Startical IOD-2	Startical	COM	505 x 510 x 97.5	13:07:43
612	2025-135AK	Lemur-2 Krish	Spire/Mission Contro	COM/MET-RO	582 x 583 x 97.8	13:07:43
613	2025-135BT	Scooby	Hubble Network/Spire	COM	582 x 590 x 97.8	13:07:47
614	2025-135P	Pulsar IOV	Xona	NAV	506 x 508 x 97.5	13:07:54
615	2025-135BM	IRIDE-MS2-HEO-8	ASI/ArgoTec	IMG	581 x 588 x 97.8	13:07:55
616	2025-135BN	BIFROST	DALO/FMV	IMG	582 x 589 x 97.8	13:07:55
617	2025-135BK	IRIDE-MS2-HEO-9	ASI/ArgoTec	IMG	582 x 589 x 97.8	13:08:00
618	2025-135BF	ICEYE-X55	ICEYE	IMG-R	582 x 587 x 97.8	13:08:01
619	2025-135BL	Sejong-2	Hancom InSpace	IMG	578 x 584 x 97.8	13:08:13
620	2025-135B	Pierre	GHG	EOSCI	505 x 510 x 97.5	13:08:14
621	2025-135H	UND ROADS 1	UND	TECH	501 x 505 x 97.5	13:08:15
622	2025-135A	Good Ancestor Ki	Solomon KHZ/Good Anc	COM	497 x 503 x 97.4	13:08:17
623	2025-135F	Te Punaha Atea-1	TPA Auckland	TECH	502 x 507 x 97.5	13:08:19
624	2025-135AY	ICEYE-X56	ICEYE	IMG-R	581 x 585 x 97.8	13:08:19
625	2025-135BS	Stitch	Hubble Network/Endur	COM	580 x 589 x 97.8	13:08:20

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
626	2025-135G	Connecta IOT-9	Plan-S	COM	503 x 509 x 97.5	13:08:22
627	2025-135S	SkyBee-AO2	ConstellR	IMG	506 x 508 x 97.5	13:08:31
628	2025-135Y	BRO-18	Unseen Labs	SIG	503 x 504 x 97.4	13:08:43
629	2025-135BR	AE2a	ArkEdge	IMG	576 x 583 x 97.8	13:08:44
630	2025-135T	ION Passionate P	D-ORBIT	TECH	504 x 506 x 97.5	13:08:50
631	2025-135K	Otter Pup 2	Starfish Space	TECH	504 x 505 x 97.5	13:08:51
632	2025-135AZ	ION Charismatic	D-ORBIT	TECH	575 x 593 x 97.8	13:09:08
633	2025-135AD	Connecta IOT-10	Plan-S	COM	503 x 506 x 97.5	13:09:08
634	2025-135C	DUTHSat-2	DUTH	SCI	492 x 498 x 97.4	13:09:20
635	2025-135AA	Hyperfield-1B	Kuva Space	IMG	501 x 503 x 97.5	13:09:21
636	2025-135M	Elara 1	Gilmour Space	EOSCI	499 x 503 x 97.5	13:09:21
637	2025-135BC	ICEYE-X57	ICEYE US	IMG-R	566 x 568 x 97.8	13:09:27
638	2025-135V	JACK-001	Cosmoworks	IMG	497 x 497 x 97.4	13:09:43
639	2025-135Z	SATMAR	Alen Space	COM	496 x 498 x 97.4	13:09:45
640	2025-135W	Valmay	GHG	EOSCI	504 x 507 x 97.5	13:09:47
641	2025-135AF	Connecta IOT-11	Plan-S	COM	501 x 505 x 97.5	13:09:48
642	2025-135U	ForgeStar-1	Space Forge	MGRAV	499 x 499 x 97.5	13:09:58
643	2025-135AB	Connecta IOT-12	Plan-S	COM	501 x 504 x 97.5	13:10:14
644	2025-135D	HORIS-1	ACME AtronOmatic	IMG	493 x 499 x 97.5	13:10:14
645	2025-135E	RIDU-Sat 1	UNHAN	TECH	493 x 499 x 97.5	13:10:17
646	2025-135Q	York TIDES	SDA/York Space Sys	COM	494 x 497 x 97.5	13:10:20
647	2025-135BV	Lemur-2 Lucille-	Spire/Lacuna Space	COM/MET-RO	567 x 580 x 97.8	13:10:23
648	2025-135BU	Lemur-2 KarenDar	Spire/Lacuna Space	COM/MET-RO	568 x 578 x 97.8	13:10:29
649	2025-135AG	Quick3	DLR/NanoAvionics	TECH	491 x 498 x 97.5	13:10:38
650	2025-135X	UND ROADS 2	UND	TECH	498 x 501 x 97.5	13:11:08
651	2025-135AC	HORIS-2	ACME AtronOmatic	IMG	487 x 489 x 97.5	13:11:46
652	2025-135AE	MOBIUS-1	Galaxia	IMG	493 x 497 x 97.5	13:11:49
653	2025-135N	ARCBSTONE	NASA LaRC	AST	481 x 485 x 97.4	13:11:59
654	2025-135BJ	ICEYE-X53	ICEYE	IMG-R	563 x 564 x 97.7	13:12:52
655	2025-040A	Siwei Gaojing 1-	Siwei	IMG	500 x 501 x 97.3	13:13:31
656	2025-040B	Siwei Gaojing 1-	Siwei	IMG	500 x 501 x 97.3	13:13:46
657	2025-056A	Kineis-4E	Kineis	COM	653 x 654 x 98.0	13:50:42
658	2025-056D	Kineis-4A	Kineis	COM	652 x 655 x 98.0	13:50:55
659	2025-056E	Kineis-4B	Kineis	COM	652 x 654 x 98.0	13:51:06
660	2025-056C	Kineis-4D	Kineis	COM	652 x 655 x 98.0	13:51:13
661	2025-056B	Kineis-4C	Kineis	COM	652 x 655 x 98.0	13:51:18
662	2025-180C	DGS 2-02	Junshi Kexue YY	TECH	513 x 533 x 97.5	13:58:12
663	2025-180D	DGS 2-03	Junshi Kexue YY/NUDT	TECH	513 x 534 x 97.5	13:58:20
664	2025-180B	DGS 2-01	Junshi Kexue YY	TECH	513 x 534 x 97.5	13:58:23
665	2025-180E	Tianyan-26	Navi Beidou/Tianlian	IMG	515 x 518 x 97.5	13:59:07
666	2025-180A	AIRSAT-05	Zhongke Weixing	IMG-R	500 x 518 x 97.5	14:00:28
667	2025-128A	Zhangheng 1-02	CAS	SCI	493 x 511 x 97.3	14:02:59
668	2025-055E	Yunyao-1 59	Yunyao yuhang	MET-RO	513 x 533 x 97.6	14:39:40
669	2025-055F	Yunyao-1 60	Yunyao yuhang	MET-RO	514 x 532 x 97.6	14:39:53
670	2025-055D	Yunyao-1 58	Yunyao yuhang	MET-RO	512 x 534 x 97.6	14:39:58
671	2025-055A	Yunyao-1 55	Yunyao yuhang	MET-RO	511 x 534 x 97.6	14:40:18
672	2025-055B	Yunyao-1 56	Yunyao yuhang	MET-RO	504 x 519 x 97.6	14:44:50
673	2025-055C	Yunyao-1 57	Yunyao yuhang	MET-RO	503 x 519 x 97.6	14:45:07
674	2025-055G	AIRSAT-06	Zhongke Weixing/Jiga	IMG	496 x 509 x 97.6	14:47:42
675	2025-055H	AIRSAT-07	Zhongke Weixing/Jiga	IMG	475 x 487 x 97.6	14:53:10
676	2025-297B	RAISE-4	JAXA	TECH	533 x 552 x 97.5	15:27:28
677	2025-140A	Lyra 4	Echostar AU	COM	646 x 661 x 96.0	15:35:19
678	2025-013C	Yunyao-1 39	Yunyao yuhang	MET-RO	524 x 546 x 97.6	16:40:35
679	2025-013B	Yunyao-1 38	Yunyao yuhang	MET-RO	525 x 545 x 97.6	16:41:26
680	2025-013E	Jitianxing A-05	Jitian Xingzhou	IMG	529 x 542 x 97.6	16:41:30
681	2025-013D	Yunyao-1 40	Yunyao yuhang	MET-RO	528 x 542 x 97.6	16:41:38
682	2025-013A	Yunyao-1 37	Yunyao yuhang	MET-RO	475 x 490 x 97.6	17:03:29

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
683	2025-059B	Yunyao-1 44	Yunyao yuhang	MET-RO	524 x 547 x 97.6	17:32:10
684	2025-059A	Yunyao-1 43	Yunyao yuhang	MET-RO	526 x 545 x 97.6	17:32:16
685	2025-059D	Yunyao-1 46	Yunyao yuhang	MET-RO	527 x 543 x 97.6	17:32:21
686	2025-059E	Yunyao-1 47	Yunyao yuhang	MET-RO	524 x 546 x 97.6	17:32:23
687	2025-059C	Yunyao-1 45	Yunyao yuhang	MET-RO	525 x 546 x 97.6	17:32:43
688	2025-059F	Yunyao-1 48	Yunyao yuhang	MET-RO	524 x 545 x 97.6	17:32:44
689	2025-197A	Kaiyun-1	CreatUnion	TECH	527 x 548 x 97.4	17:48:36
690	2025-047E	SPHEREX	JPL	AST	642 x 655 x 98.0	17:52:21
691	2025-047C	PUNCH-WFI-3	SWRI/GSFC	AST	641 x 654 x 98.0	17:53:09
692	2025-047D	PUNCH-WFI-2	SWRI/GSFC	AST	641 x 653 x 98.0	17:53:18
693	2025-047B	PUNCH-WFI-1	SWRI/GSFC	AST	641 x 653 x 98.0	17:54:03
694	2025-047A	PUNCH-NFI	SWRI/GSFC	AST	638 x 654 x 98.0	17:54:27
695	2025-197B	Zhixin-1	Harbin	TECH	489 x 510 x 97.4	17:56:44
696	2025-197C	Yunyao-1 27	Yunyao yuhang	TECH	484 x 507 x 97.4	17:57:42
697	2025-090A	Biomass	ESA	EOSCI	667 x 669 x 98.1	18:00:13
698	2025-163A	NISAR	ISRO/JPL	IMG-R	749 x 751 x 98.4	18:01:39
699	2025-194A	Starlink 35142	SpaceX/Seattle	COM	548 x 550 x 97.6	19:47:45
700	2025-194E	Starlink 35068	SpaceX/Seattle	COM	548 x 550 x 97.6	19:47:46
701	2025-194S	Starlink 34970	SpaceX/Seattle	COM	547 x 551 x 97.6	19:47:47
702	2025-194X	Starlink 34728	SpaceX/Seattle	COM	548 x 550 x 97.6	19:47:51
703	2025-194H	Starlink 35065	SpaceX/Seattle	COM	547 x 551 x 97.6	19:47:52
704	2025-194Z	Starlink 35076	SpaceX/Seattle	COM	548 x 550 x 97.6	19:47:54
705	2025-194K	Starlink 34678	SpaceX/Seattle	COM	548 x 550 x 97.6	19:47:55
706	2025-194U	Starlink 35084	SpaceX/Seattle	COM	548 x 550 x 97.6	19:47:57
707	2025-194Q	Starlink 35030	SpaceX/Seattle	COM	548 x 550 x 97.6	19:47:59
708	2025-194L	Starlink 35049	SpaceX/Seattle	COM	548 x 550 x 97.6	19:48:02
709	2025-194T	Starlink 35039	SpaceX/Seattle	COM	548 x 550 x 97.6	19:48:04
710	2025-194M	Starlink 35029	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:06
711	2025-194F	Starlink 35045	SpaceX/Seattle	COM	548 x 550 x 97.6	19:48:09
712	2025-194N	Starlink 34991	SpaceX/Seattle	COM	548 x 550 x 97.6	19:48:11
713	2025-194D	Starlink 35080	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:12
714	2025-194J	Starlink 34679	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:14
715	2025-194B	Starlink 34978	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:15
716	2025-194P	Starlink 34920	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:16
717	2025-194G	Starlink 35050	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:18
718	2025-194Y	Starlink 35005	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:20
719	2025-194R	Starlink 35009	SpaceX/Seattle	COM	547 x 551 x 97.6	19:48:21
720	2025-194W	Starlink 35059	SpaceX/Seattle	COM	562 x 564 x 97.6	19:51:11
721	2025-194C	Starlink 35043	SpaceX/Seattle	COM	561 x 564 x 97.6	19:51:52
722	2025-152A	Starlink 34723	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:15
723	2025-152D	Starlink 34706	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:17
724	2025-152M	Starlink 34676	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:19
725	2025-152K	Starlink 34722	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:21
726	2025-152U	Starlink 34570	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:21
727	2025-152C	Starlink 34709	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:23
728	2025-152B	Starlink 34725	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:26
729	2025-152J	Starlink 34757	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:27
730	2025-152P	Starlink 34631	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:29
731	2025-152L	Starlink 34564	SpaceX/Seattle	COM	547 x 552 x 97.6	19:52:31
732	2025-152F	Starlink 34746	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:34
733	2025-152E	Starlink 34736	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:35
734	2025-152R	Starlink 34683	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:37
735	2025-152Y	Starlink 34628	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:39
736	2025-152G	Starlink 34748	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:41
737	2025-152W	Starlink 34684	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:42
738	2025-152Z	Starlink 34544	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:42
739	2025-152S	Starlink 34654	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:46

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
740	2025-152X	Starlink 34690	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:46
741	2025-152N	Starlink 34682	SpaceX/Seattle	COM	548 x 550 x 97.6	19:52:47
742	2025-152T	Starlink 34575	SpaceX/Seattle	COM	548 x 551 x 97.6	19:52:51
743	2025-152Q	Starlink 34578	SpaceX/Seattle	COM	547 x 551 x 97.6	19:52:51
744	2025-194V	Starlink 34988	SpaceX/Seattle	COM	561 x 564 x 97.6	19:53:06
745	2025-152H	Starlink 34756	SpaceX/Seattle	COM	561 x 564 x 97.6	19:53:20
746	2025-152V	Starlink 34651	SpaceX/Seattle	COM	561 x 564 x 97.6	19:54:02
747	2025-218A	Starlink 35330	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:02
748	2025-218K	Starlink 35300	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:03
749	2025-218N	Starlink 35286	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:06
750	2025-218D	Starlink 35378	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:06
751	2025-218P	Starlink 35266	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:08
752	2025-218Q	Starlink 35273	SpaceX/Seattle	COM	548 x 551 x 97.6	20:22:09
753	2025-218E	Starlink 35406	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:11
754	2025-218J	Starlink 35357	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:12
755	2025-218S	Starlink 35285	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:14
756	2025-218H	Starlink 35414	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:16
757	2025-218R	Starlink 35047	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:17
758	2025-218T	Starlink 34580	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:19
759	2025-218B	Starlink 35373	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:20
760	2025-218M	Starlink 34919	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:22
761	2025-218U	Starlink 35289	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:23
762	2025-218F	Starlink 35390	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:25
763	2025-218W	Starlink 35224	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:27
764	2025-218V	Starlink 35268	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:28
765	2025-218C	Starlink 35383	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:30
766	2025-218L	Starlink 35296	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:31
767	2025-218X	Starlink 35271	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:33
768	2025-218G	Starlink 35412	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:34
769	2025-218Y	Starlink 35215	SpaceX/Seattle	COM	547 x 551 x 97.6	20:22:36
770	2025-218Z	Starlink 35157	SpaceX/Seattle	COM	548 x 550 x 97.6	20:22:38
771	2025-158W	Starlink 34744	SpaceX/Seattle	COM	548 x 550 x 97.6	20:26:32
772	2025-158Y	Starlink 34761	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:35
773	2025-158A	Starlink 34705	SpaceX/Seattle	COM	548 x 550 x 97.6	20:26:36
774	2025-158T	Starlink 34689	SpaceX/Seattle	COM	548 x 550 x 97.6	20:26:36
775	2025-158E	Starlink 34529	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:40
776	2025-158N	Starlink 34373	SpaceX/Seattle	COM	548 x 550 x 97.6	20:26:41
777	2025-158B	Starlink 34737	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:42
778	2025-158U	Starlink 34586	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:43
779	2025-158C	Starlink 34775	SpaceX/Seattle	COM	548 x 550 x 97.6	20:26:46
780	2025-158F	Starlink 34743	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:47
781	2025-158R	Starlink 34747	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:49
782	2025-158P	Starlink 34758	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:52
783	2025-158Z	Starlink 34732	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:54
784	2025-158Q	Starlink 34753	SpaceX/Seattle	COM	548 x 550 x 97.6	20:26:54
785	2025-158M	Starlink 34719	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:56
786	2025-158D	Starlink 34726	SpaceX/Seattle	COM	547 x 551 x 97.6	20:26:58
787	2025-158K	Starlink 34740	SpaceX/Seattle	COM	548 x 550 x 97.6	20:26:59
788	2025-158L	Starlink 34742	SpaceX/Seattle	COM	547 x 551 x 97.6	20:27:01
789	2025-158V	Starlink 34738	SpaceX/Seattle	COM	548 x 551 x 97.6	20:27:01
790	2025-158X	Starlink 34701	SpaceX/Seattle	COM	547 x 551 x 97.6	20:27:04
791	2025-158S	Starlink 34630	SpaceX/Seattle	COM	547 x 551 x 97.6	20:27:06
792	2025-158G	Starlink 34730	SpaceX/Seattle	COM	548 x 550 x 97.6	20:27:07
793	2025-158H	Starlink 34714	SpaceX/Seattle	COM	547 x 551 x 97.6	20:27:08
794	2025-158J	Starlink 34755	SpaceX/Seattle	COM	560 x 565 x 97.6	20:30:02
795	2025-191E	Starlink 35054	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:18
796	2025-191M	Starlink 35083	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:20

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No	Piece	Name	Operator	Mission	Orbit	LTDN
797	2025-191T	Starlink 34811	SpaceX/Seattle	COM	548 x 551 x 97.6	20:56:22
798	2025-191A	Starlink 34985	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:23
799	2025-191V	Starlink 34931	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:25
800	2025-191L	Starlink 34993	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:26
801	2025-191F	Starlink 35012	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:27
802	2025-191S	Starlink 35094	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:29
803	2025-191R	Starlink 35058	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:31
804	2025-191D	Starlink 35032	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:32
805	2025-191Q	Starlink 35097	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:34
806	2025-191W	Starlink 34836	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:35
807	2025-191G	Starlink 35073	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:37
808	2025-191U	Starlink 34940	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:39
809	2025-191J	Starlink 34703	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:39
810	2025-191Y	Starlink 34909	SpaceX/Seattle	COM	548 x 550 x 97.6	20:56:42
811	2025-191B	Starlink 35051	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:43
812	2025-191Z	Starlink 34848	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:45
813	2025-191N	Starlink 34786	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:46
814	2025-191H	Starlink 35066	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:47
815	2025-191X	Starlink 34876	SpaceX/Seattle	COM	546 x 552 x 97.6	20:56:49
816	2025-191K	Starlink 34957	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:51
817	2025-191C	Starlink 35028	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:52
818	2025-191P	Starlink 35082	SpaceX/Seattle	COM	547 x 551 x 97.6	20:56:54
819	2025-175A	Starlink 34956	SpaceX/Seattle	COM	548 x 550 x 97.6	21:00:48
820	2025-175B	Starlink 34949	SpaceX/Seattle	COM	547 x 551 x 97.6	21:00:50
821	2025-175C	Starlink 34707	SpaceX/Seattle	COM	547 x 551 x 97.6	21:00:51
822	2025-175D	Starlink 34967	SpaceX/Seattle	COM	548 x 550 x 97.6	21:00:53
823	2025-175E	Starlink 34929	SpaceX/Seattle	COM	548 x 550 x 97.6	21:00:55
824	2025-175H	Starlink 34942	SpaceX/Seattle	COM	548 x 550 x 97.6	21:00:56
825	2025-175F	Starlink 34932	SpaceX/Seattle	COM	548 x 550 x 97.6	21:00:58
826	2025-175G	Starlink 34862	SpaceX/Seattle	COM	547 x 550 x 97.6	21:00:59
827	2025-175J	Starlink 34944	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:00
828	2025-175K	Starlink 34939	SpaceX/Seattle	COM	548 x 550 x 97.6	21:01:02
829	2025-175L	Starlink 34947	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:04
830	2025-175M	Starlink 34945	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:05
831	2025-175P	Starlink 34915	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:07
832	2025-175N	Starlink 34965	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:09
833	2025-175Q	Starlink 34972	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:10
834	2025-175R	Starlink 34866	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:12
835	2025-175S	Starlink 34917	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:13
836	2025-175T	Starlink 34948	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:13
837	2025-175U	Starlink 34955	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:16
838	2025-175V	Starlink 34950	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:18
839	2025-175Y	Starlink 34927	SpaceX/Seattle	COM	548 x 550 x 97.6	21:01:19
840	2025-175Z	Starlink 34952	SpaceX/Seattle	COM	546 x 552 x 97.6	21:01:21
841	2025-175X	Starlink 34928	SpaceX/Seattle	COM	547 x 551 x 97.6	21:01:22
842	2025-175W	Starlink 34926	SpaceX/Seattle	COM	547 x 552 x 97.6	21:01:24
843	2025-052AM	Buccaneer-MM	U. NSW/DSTO	TECH	584 x 587 x 97.7	22:17:50
844	2025-052AU	ARVAKER 1	NSC	SIG	584 x 586 x 97.7	22:18:34
845	2025-052AL	PANDORE	U-Space	TECH	582 x 587 x 97.7	22:18:44
846	2025-052AY	FireSat0	Muon Space	IMG	588 x 590 x 97.7	22:19:04
847	2025-052AT	UVSQ-Sat NG	LATMOS	EOSCI	582 x 584 x 97.7	22:19:09
848	2025-052AJ	HERMES Pathfinde	ASI	AST	501 x 508 x 97.4	22:19:16
849	2025-052AC	OrbAstro-TR5	OrbAstro/Liftero	TECH	500 x 508 x 97.4	22:19:19
850	2025-052BC	HYVRID	Yonsei U	TECH	582 x 586 x 97.7	22:19:22
851	2025-052AN	Lemur-2 Leia-Phi	Spire	COM/MET-RO	576 x 580 x 97.7	22:19:49
852	2025-052Z	LizzieSat-3	Sidus Space	TECH	501 x 507 x 97.4	22:19:57
853	2025-052AV	ICEYE-X48	ICEYE US	IMG-R	575 x 575 x 97.7	22:20:01

Table 20: SSO satellites launched in 2025, ordered by local time of descending node

No	Piece	Name	Operator	Mission	Orbit	LTDN
854	2025-052AR	EZIE-C	APL/JPL	SCI	578 x 580 x 97.7	22:20:10
855	2025-052AP	EZIE-A	APL/JPL	SCI	578 x 580 x 97.7	22:20:27
856	2025-052BA	ICEYE-X46	ICEYE	IMG-R	581 x 583 x 97.7	22:20:30
857	2025-052AS	EZIE-B	APL/JPL	SCI	577 x 580 x 97.7	22:20:40
858	2025-052AX	ICEYE-X50	ICEYE	IMG-R	582 x 583 x 97.7	22:20:41
859	2025-052M	Tevel 2-1	Tel Aviv U./ISA	COM	501 x 505 x 97.4	22:21:08
860	2025-052AQ	Lemur-2 Lia-Mart	Spire	COM/MET-RO	576 x 579 x 97.7	22:21:10
861	2025-052AB	OTP-2	Rogue Space	TECH	496 x 503 x 97.4	22:21:11
862	2025-052BK	HERMES Pathfinde	ASI	AST	499 x 505 x 97.4	22:21:12
863	2025-052BG	Lemur-2 TheFalco	Spire	COM/MET-RO	575 x 581 x 97.7	22:21:25
864	2025-052BF	SOAP	U-Space	TECH	576 x 581 x 97.7	22:21:30
865	2025-052V	SpaceEye-T	SatRec Initiative	IMG	499 x 504 x 97.4	22:21:58
866	2025-052S	Etihad-SAT	Rashid Space Ctr	IMG-R	500 x 506 x 97.4	22:22:06
867	2025-052U	RAPSat-1A	NearSpaceLaunch	TECH	497 x 502 x 97.4	22:22:17
868	2025-052AA	Tomorrow-S5	Tomorrow.io	MET	498 x 506 x 97.4	22:22:20
869	2025-052BB	Lemur-2 Deloitte	Spire/Deloitte	COM/MET-RO	576 x 579 x 97.7	22:22:24
870	2025-052P	DROID.002	Turion Space	TECH	498 x 503 x 97.4	22:22:50
871	2025-052Y	Sphinx	Vestigo/Astro Digita	TECH	495 x 502 x 97.4	22:22:51
872	2025-052BP	HERMES Pathfinde	ASI	AST	487 x 489 x 97.4	22:22:55
873	2025-052AH	RAPSat-1B	NearSpaceLaunch	TECH	487 x 495 x 97.4	22:22:56
874	2025-052R	Tomorrow-S6	Tomorrow.io	MET	498 x 505 x 97.4	22:23:02
875	2025-052BD	Lemur-2 EmersonR	Spire	COM/MET-RO	571 x 575 x 97.7	22:23:39
876	2025-052X	M-SEL	MITRE	TECH	491 x 496 x 97.4	22:23:45
877	2025-052N	Aerocube 18B	AERO	TECH	495 x 500 x 97.4	22:24:12
878	2025-052L	Aerocube 18A	AERO	TECH	494 x 500 x 97.4	22:24:15
879	2025-052BH	Lemur-2 Balto	Spire	COM/MET-RO	567 x 574 x 97.7	22:24:19
880	2025-052BE	Lemur-2 Marache-	Spire	COM/MET-RO	568 x 574 x 97.7	22:24:20
881	2025-052G	Botsat-1	BIUST	TECH	489 x 492 x 97.4	22:24:31
882	2025-052BQ	HERMES Pathfinde	ASI	AST	487 x 492 x 97.4	22:25:28
883	2025-052AG	Al Munther	Bahrain NSSA	TECH	479 x 487 x 97.4	22:25:35
884	2025-052AZ	ICEYE-X51	ICEYE US	IMG-R	562 x 565 x 97.7	22:26:05
885	2025-052AK	HERMES Pathfinde	ASI	AST	480 x 486 x 97.4	22:26:47
886	2025-052AF	Tevel 2-3	Tel Aviv U./ISA	COM	479 x 487 x 97.4	22:26:56
887	2025-052BR	HERMES Pathfinde	ASI	AST	475 x 482 x 97.4	22:26:59
888	2025-052AE	ORCA-2b	DARPA?	CAL	479 x 486 x 97.4	22:27:00
889	2025-052AD	Tevel 2-4	Tel Aviv U./ISA	COM	479 x 486 x 97.4	22:27:10
890	2025-052H	Tevel 2-7	Tel Aviv U./ISA	COM	476 x 479 x 97.4	22:28:42
891	2025-052K	RAPSat-1C	NearSpaceLaunch	TECH	476 x 479 x 97.4	22:28:42
892	2025-052J	NILA	Hex20Labs	TECH	476 x 479 x 97.4	22:28:43
893	2025-052W	ION Marvelous Ma	D-ORBIT	TECH	469 x 502 x 97.4	22:28:48
894	2025-052F	Tevel 2-8	Tel Aviv U./ISA	COM	474 x 478 x 97.4	22:29:41
895	2025-052E	Tevel 2-2	Tel Aviv U./ISA	COM	474 x 478 x 97.4	22:29:43
896	2025-052D	Tevel 2-9	Tel Aviv U./ISA	COM	474 x 478 x 97.4	22:29:50
897	2025-052A	JinjuSat-1B	KTL	IMG	475 x 481 x 97.4	22:31:17
898	2025-052B	NUSHSat 1	NUS High School	TECH	470 x 476 x 97.4	22:32:10
899	2025-052C	Startical IOD-1	Startical	COM	440 x 443 x 97.4	22:40:10
900	2025-052BT	Unicorn-2P	Alba Orbital	IMG	346 x 359 x 97.4	22:40:54
901	2025-052BN	HADES-ICM	Hydra Space/Interste	COM	411 x 418 x 97.4	22:42:29
902	2025-052BS	Unicorn-2O	Alba Orbital	IMG	273 x 287 x 97.4	22:43:56
903	2025-052BL	HYDRA-W	Hydra Space	COM	399 x 406 x 97.4	22:44:32
904	2025-052AW	YAM-8	Loft Orbital	TECH	533 x 534 x 97.7	22:46:23
905	2025-052T	Clarity-1	Albedo Space	IMG	335 x 339 x 97.4	23:24:52

6.4 New geosynchronous satellites in 2025

Table 21 lists geosynchronous satellites launched or reaching GEO for the first time during 2025 (some from the immediately preceding December are also included, so there is a little overlap with last year's report). The locations given are their positions at the end of the year.

UtilitySat was stranded in elliptical transfer orbit and likely will never enter service.

Table 21: Geostationary satellites launched in 2025, ordered by longitude

Piece	Name	Operator	Location	Mission
2025-122A	SXM-10	Sirius XM	116.16W	Communications
2024-234A	SXM-9	Sirius XM	85.12W	Communications
2024-252D	NuView Bravo	Astranis UK/Anuvu	83.11W	Communications
2024-252B	NuView Alpha	Astranis UK/Anuvu	83.08W	Communications
2025-148A	Dror 1	ISA	4.01W	Communications
2025-143A	Meteosat 13	EUMETSAT	3.42W	Weather
2025-017A	Tongxin Jishu Shiyan 14	PLA SSF	18.38E	Early Warn?
2025-084A	Tian Lian 2-05	CAST	20.34E	Communications
2025-021A	Spainsat NG-1	Hisdesat	29.04E	Communications
2025-001A	Thuraya 4-NGS	Space42/Thuraya	44.30E	Communications
2025-238A	Tongxin Jishu Shiyan 20	PLA GAD/CAST	62.38E	Sigint
2025-290A	Tongxin Jishu Shiyan 22	PLA GAD/SAST	66.48E	Sigint
2025-062A	Tian Lian 2-04	CAST	79.84E	Communications
2025-132A	Zhongxing 9C	CAST	92.16E	Communications
2025-249B	CMS-03	ISRO	93.56E	Communications
2025-045A	Tongxin Jishu Shiyan 15	PLA SSF	94.31E	Sigint
2025-196A	Shiyan 29	CNSA	98.83E	Technology
2025-036A	Zhongxing 10R	China Satcom	110.53E	Communications
2025-131C	Kosmos-2590	Reshetnev ISS	116.00E	Technology
2025-277A	Shi Jian 28	PLA SSF	116.87E	Technology
2025-002A	Shi Jian 25	SAST	126.59E	Technology
2025-097A	Tongxin Jishu Shiyan 19	SAST	141.23E	Technology
2024-246A	Tongxin Jishu Shiyan 12	PLA SSF	146.53E	Early Warn?
2024-252C	AGILA	Astranis UK/Orbits Corp	152.14E	Communications
2025-064A	Tongxin Jishu Shiyan 16	PLA SSF	160.51E	Technology
2025-073A	Tongxin Jishu Shiyan 17	PLA SSF	164.53E	Sigint
2025-106A	Zhongxing 3B	PLA SSF	167.30E	Communications
2025-306A	Tongxin Jishu Shiyan 23	PLA GAD/CAST	175.50E	Sigint?
2024-252A	UtilitySat	Spacing Guild UK	Drift orbit	Communications
2025-131A	Kosmos-2589	Reshetnev ISS	Orbit raising	Technology
2025-173A	NTS 3	USSF	Drift orbit	Navigation
2025-173B	USA 554	USSF	Drift orbit	Technology
2025-205A	Nusantara Lima	SNT	Orbit raising	Communications
2025-312A	Feng Yun 4C	CNMSC	Orbit raising	Weather
2025-315A	Shi Jian 29A	PLA SSF	Orbit raising	Technology
2025-261A	Viasat-3 EMEA	ViaSat	Orbit raising	Communications

6.5 Retirements in the GEO belt

The GEO graveyard is taken to be 300 km or more above GEO (GEO is at 35786 km height.) Counts of objects in various regimes are shown below. The category 'Below GPZ' is defined to be objects 300 km or more below GEO. That is to say, 'Graveyard' is 36086 km or above, 'Below GPZ' is 35486 km or below.

GEO and the GEO Graveyard

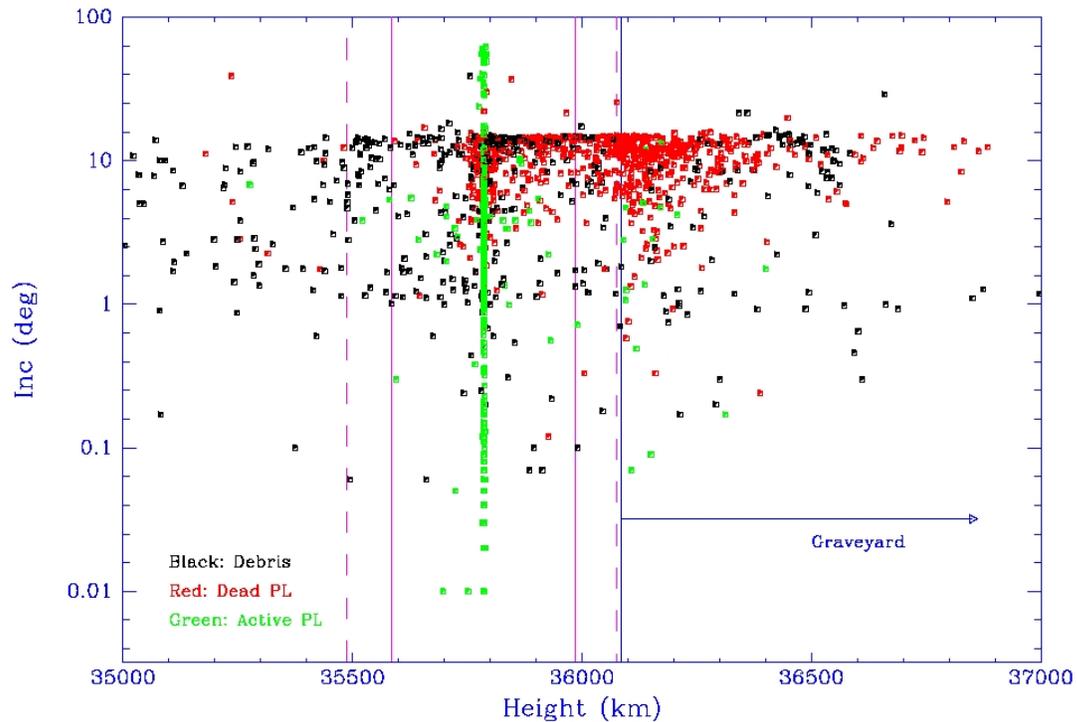


Figure 8: The figure shows log of orbital inclination vs orbital height for objects in the GEO region as of Jan 2021. Eccentricities are neglected. Active satellites (green), dead payloads (red) and debris (black) are indicated. The solid magenta lines are the GEO Protected Zone (GPZ = GEO \pm 200 km). Dashed magenta lines are GPZ \pm 100 km (GEO \pm 300 km) used in the results table. Blue line (GEO+300 km) indicates start of the GEO graveyard.

The recommended GEO graveyard orbit begins at an altitude of 36086 km, 300 km above GEO. The table gives perigee and apogee altitude minus the GEO height of 35786 km, and is ordered by perigee.

During 2025, 18 satellites were retired from GEO; however 3 failed to reach the recommended 300 km ‘graveyard’ clearance above GEO.

Table 22: GEO Population

	Active payloads	Dead payloads	Debris
Below GPZ	3	19	97
GPZ+-100	613	381	291
Graveyard	19	383	122
Total	635	783	510

Table 23: GEO retirements

ID	Satellite	Retired	Height above GEO in Jan 2026	Notes Notes
2000-043A	Intelsat IS-9	2025 Jul 1	223 x 266	
2007-044A	Optus D2	2025 Aug 27	248 x 279	
2007-031A	Zhongxing 6B	2025 Dec 2	298 x 387	
2001-019A	Intelsat IS-10	2025 Jul 27	304 x 376	
2007-036B	BSAT-3A	2025 Feb 13	305 x 335	
1999-071A	Galaxy 11	2025 Feb 28	306 x 400	
2000-001A	DSCS III B-8	2025 Jun 9	308 x 348	
2014-058A	Luch	2025 Oct 22	314 x 342	
2008-038B	AMC 21	2025 Dec 20	319 x 393	
2007-044B	Intelsat IS-11	2025 Mar 31	319 x 372	
2002-055A	TDRS 10	2025 Aug 15	331 x 468	
2010-002A	Raduga-1M	2025 Feb 21	333 x 405	
2005-005A	XTAR-EUR	2025 Aug 19	340 x 383	
2003-034A	Echostar IX	2025 Jul 21	351 x 397	
2005-008A	XM-3	2025 Nov 12	353 x 393	
1998-050A	Astra 2A	2025 May 14	374 x 540	
2001-024A	INTELSAT 901	2025 Apr 3	400 x 424	
2015-018A	IRNSS-R1D	2025 Jul 14	624 x 699	
Newly cataloged near-GEO debris				
2025-045C	TJS 15 apogee motor?	2025 Mar 12?	326 x 468	
2025-073C	TJS 17 apogee motor?	2025 Apr 14?	360 x 442	
2025-097C	TJS 19 apogee motor?	2025 May 14?	348 x 466	
2023-140E	deb Centaur AV-102	2025 Jun?	414 x 614	
2023-140F	deb Centaur AV-102	2025 Jun?	414 x 614	
2025-131B	Briz-M No. 88803	2025 Jun 19	-17034 x 14776	
2025-173C	Centaur V-003	2025 Aug 13?	-86 x 114	
2025-173D	USSF-106 adapter	2025 Aug 13?	-86 x 114	
2024-134E	USSF-51 adapter?	2025 Sep?	365 x 485	
2024-134F	USSF-51 adapter?	2025 Sep?	309 x 541	
2024-134G	USSF-51 adapter?	2025 Sep?	6 x 849	
2025-002C	Shi Jian 25 adapter?	2025 Dec 22	-156 x 212	

6.6 Debris events

There was only one new significant breakup during 2025: the loss of Starlink-35956 due to a poorly understood internal event. No objects have yet been cataloged from the event.

The table indicates the number of objects cataloged so far from each, but note that often more objects are cataloged in later years following an event.

Table 24: Breakups and debris events 2025

Event date	Source object		Cataloged debris	Event orbit	
2025 Dec 18 0140?	S66629	Starlink-35956	0	418 x 419 x 53.16	Unknown

In addition, more fragments were cataloged from the earlier breakups. See the debris catalog [16] at

<https://planet4589.org/space/debris/debriscat/debris.html>

7 Acknowledgements

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The author is an employee of the Smithsonian Institution, but the work reported here was performed independently and does not represent the views of the Smithsonian.

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Appendix 1: 2025 Orbital Launch Attempts

LAUNCH ID	Launch date UTC	Launch vehicle	LV Flight ID	Site	Agency
2025-001	2025 Jan 4 0127	Falcon 9	415/B1073.20 F419	CC LC40	SPX
2025-002	2025 Jan 6 2000	Chang Zheng 3B	Y104	XSC LC3	CALT
2025-003	2025 Jan 6 2043:59	Falcon 9	421/B1077.17 F420	CC LC40	SPX
2025-004	2025 Jan 8 1527:00	Falcon 9	422/B1086.3 F421	KSC LC39A	SPX
2025-005	2025 Jan 10 0353	Falcon 9	423/B1071.22 F422	VSFBS SLC4E	SPX
2025-006	2025 Jan 10 1911:20	Falcon 9	424/B1067.25 F423	CC LC40	SPX
2025-007	2025 Jan 13 0300	Jielong-3	Y5	DFHT HHAI LP4	CZHI
2025-008	2025 Jan 13 1647:09	Falcon 9	425/B1080.15 F424	CC LC40	SPX
2025-009	2025 Jan 14 1909:00	Falcon 9	426/B1088.2 F425	VSFBS SLC4E	SPX
2025-010	2025 Jan 15 0611	Falcon 9	427/B1085.5 F426	KSC LC39A	SPX
2025-011	2025 Jan 16 0703	New Glenn 7x2	NG1	CC LC36	BLOR
2025-F01	2025 Jan 16 2237	Starship V2	B14/S33	STB OLP1	SPX
2025-012	2025 Jan 17 0407	Chang Zheng 2D	Y101	JQ LC43/94	SAST
2025-013	2025 Jan 20 1011	Gushenxing 1	Y16	JQ LC43/95A	XIDO
2025-014	2025 Jan 21 0524:50	Falcon 9	430/B1083.8 F427	KSC LC39A	SPX
2025-015	2025 Jan 21 1545:50	Falcon 9	429/B1082.10 F428	VSFBS SLC4E	SPX
2025-016	2025 Jan 23 0515	Chang Zheng 6A	Y6	TYSC LC9A	SAST
2025-017	2025 Jan 23 1532	Chang Zheng 3B	Y105	XSC LC2	CALT
2025-018	2025 Jan 24 1407	Falcon 9	431/B1063.23 F429	VSFBS SLC4E	SPX
2025-019	2025 Jan 27 2205:00	Falcon 9	433/B1076.20 F430	CC LC40	SPX
2025-020	2025 Jan 29 0053	GSLV Mk II	GSLV-F15	SHAR SLP	ISRO/NSIL
2025-021	2025 Jan 30 0134	Falcon 9	434/B1073.21 F431	KSC LC39A	SPX
2025-022	2025 Feb 1 2302:10	Falcon 9	435/B1075.17 F432	VSFBS SLC4E	SPX
2025-023	2025 Feb 2 0830:00	H3-22S	H3-F5	TNSC Y2	JAXA
2025-024	2025 Feb 4 1015:00	Falcon 9	437/B1069.21 F433	CC LC40	SPX
2025-025	2025 Feb 4 2313	Falcon 9	436/B1086.4 F434	KSC LC39A	SPX
2025-026	2025 Feb 5 0359	Soyuz-2-1V	-	GIK-1 LC43/4	VVKO
2025-027	2025 Feb 8 1918:30	Falcon 9	438/B1078.17 F435	CC LC40	SPX
2025-028	2025 Feb 8 2043	Electron	59	MAHIA LC1B	RLABN
2025-029	2025 Feb 11 0209:00	Falcon 9	439/B1071.23 F436	VSFBS SLC4E	SPX
2025-030	2025 Feb 11 0930	Chang Zheng 8A	Y1	WEN LC201	CALT
2025-031	2025 Feb 11 1853:20	Falcon 9	440/B1077.18 F437	CC LC40	SPX
2025-032	2025 Feb 15 0614:10	Falcon 9	441/B1067.26 F438	CC LC40	SPX
2025-033	2025 Feb 18 2317	Electron	60	MAHIA LC1B	RLABN
2025-034	2025 Feb 18 2321:50	Falcon 9	432/B1080.16 F439	CC LC40	SPX
2025-035	2025 Feb 21 1519:00	Falcon 9	445/B1076.21 F440	CC LC40	SPX
2025-036	2025 Feb 22 1211	Chang Zheng 3B	Y101	XSC LC2	CALT
2025-037	2025 Feb 23 0138:20	Falcon 9	443/B1082.11 F441	VSFBS SLC4E	SPX
2025-038	2025 Feb 27 0016:30	Falcon 9	444/B1083.9 F442	KSC LC39A	SPX
2025-039	2025 Feb 27 0334:20	Falcon 9	446/B1092.1? F443	CC LC40	SPX
2025-040	2025 Feb 27 0708	Chang Zheng 2C	Y78	JQ LC43/94	CALT
2025-041	2025 Feb 27 2124:27	Soyuz-2-1A	K 15000-078	GIK-5 LC31	FKA
2025-042	2025 Mar 2 2222:16	Soyuz-2-1B	V 15000-060/ 112-17	GIK-1 LC43/3	VVKO
2025-043	2025 Mar 3 0224:00	Falcon 9	447/B1086.5 F444	CC LC40	SPX
2025-044	2025 Mar 6 1624	Ariane 62	VA263 (L6002)	CSG ELA4	AE
2025-F03	2025 Mar 6 2330:31?	Starship V2	B15/S34	STB OLP1	SPX
2025-045	2025 Mar 9 1717	Chang Zheng 3B	Y102	XSC LC3	CALT
2025-046	2025 Mar 11 1638	Chang Zheng 8	Y6	HCSSL LC1	CALT
2025-047	2025 Mar 12 0310:12	Falcon 9	428/B1088.3 F445	VSFBS SLC4E	SPX
2025-048	2025 Mar 13 0235:30	Falcon 9	448/B1069.22 F446	CC LC40	SPX
2025-049	2025 Mar 14 2303:48	Falcon 9	450/B1090.2 F447	KSC LC39A	SPX
2025-050	2025 Mar 15 0000	Electron	61	MAHIA LC1B	RLABN
2025-051	2025 Mar 15 0411	Chang Zheng 2D	Y100	JQ LC43/94	SAST
2025-052	2025 Mar 15 0643:00	Falcon 9	449/B1081.13 F448	VSFBS SLC4E	SPX
2025-053	2025 Mar 15 1135:10	Falcon 9	451/B1078.18 F449	CC LC40	SPX
2025-054	2025 Mar 16 1050	Angara-1.2	71605/4L	GIK-1 LC35/1	KHRU

2025-055	2025 Mar 17 0807	Gushenxing 1	Y10	JQ LC43/95B	XIDO
2025-056	2025 Mar 18 0131	Electron	62	MAHIA LC1A	RLABN
2025-057	2025 Mar 18 1957:50	Falcon 9	452/B1077.19 F450	CC LC40	SPX
2025-058	2025 Mar 21 0649	Falcon 9	442/B1088.4 F451	VSFBS SLC4E	SPX
2025-059	2025 Mar 21 1107	Gushenxing 1	Y17	JQ LC43/95B	XIDO
2025-060	2025 Mar 24 1748	Falcon 9	454/B1092.2 F452	CC LC40	SPX
2025-061	2025 Mar 26 1530	Electron	63	MAHIA LC1B	RLABN
2025-062	2025 Mar 26 1555	Chang Zheng 3B	Y108	XSC LC2	CALT
2025-063	2025 Mar 26 2211:40	Falcon 9	453/B1063.24 F453	VSFBS SLC4E	SPX
2025-064	2025 Mar 29 1605	Chang Zheng 7A	Y11	WEN LC201	CALT
2025-F04	2025 Mar 30 1030	Spectrum	1	AND ISAR	ISAR
2025-065	2025 Mar 31 1952:50	Falcon 9	457/B1080.17 F454	CC LC40	SPX
2025-066	2025 Apr 1 0146	Falcon 9	455/B1085.6 F455	KSC LC39A	SPX
2025-067	2025 Apr 1 0400	Chang Zheng 2D	Y78	JQ LC43/94	SAST
2025-068	2025 Apr 3 0212	Chang Zheng 6	Y14	TYSC LC16	SAST
2025-069	2025 Apr 4 0102:50	Falcon 9	456/B1088.5 F456	VSFBS SLC4E	SPX
2025-070	2025 Apr 6 0307:20	Falcon 9	459/B1078.19 F457	CC LC40	SPX
2025-071	2025 Apr 7 2306:10	Falcon 9	458/B1093.1 F458	VSFBS SLC4E	SPX
2025-072	2025 Apr 8 0547:15	Soyuz-2-1A	K 15000-075	GIK-5 LC31	FKA
2025-073	2025 Apr 10 1647	Chang Zheng 3B	Y107	XSC LC3	CALT
2025-074	2025 Apr 12 1225	Falcon 9	463/B1071.24 F459	VSFBS SLC4E	SPX
2025-075	2025 Apr 13 0053:30	Falcon 9	461/B1083.10 F460	KSC LC39A	SPX
2025-076	2025 Apr 14 0400:10	Falcon 9	462/B1067.27 F461	CC LC40	SPX
2025-077	2025 Apr 16 1933	Minotaur IV	8	VS SLC8	NGIS
2025-078	2025 Apr 18 2251	Chang Zheng 6A	Y11	TYSC LC9A	SAST
2025-079	2025 Apr 20 1229	Falcon 9	465/B1082.12 F462	VSFBS SLC4E	SPX
2025-080	2025 Apr 21 0815:45	Falcon 9	460/B1092.3 F463	KSC LC39A	SPX
2025-081	2025 Apr 22 0048:34	Falcon 9	466/B1090.3 F464	CC LC40	SPX
2025-082	2025 Apr 24 0917:31	Chang Zheng 2F	Y20	JQ LC43/91	CALT
2025-083	2025 Apr 25 0152:40	Falcon 9	464/B1069.23 F465	CC LC40	SPX
2025-084	2025 Apr 27 1554	Chang Zheng 3B	Y109	XSC LC2	CALT
2025-085	2025 Apr 28 0209:40	Falcon 9	468/B1077.20 F466	CC LC40	SPX
2025-086	2025 Apr 28 2010	Chang Zheng 5B/YZ-2	Y7/Y3	WEN LC101	CALT
2025-087	2025 Apr 28 2042:20	Falcon 9	467/B1063.25 F467	VSFBS SLC4E	SPX
2025-088	2025 Apr 28 2301	Atlas V 551	AV-107	CC SLC41	ULAL
2025-089	2025 Apr 29 0234:10	Falcon 9	470/B1094.1 F468	KSC LC39A	SPX
2025-090	2025 Apr 29 0915	Vega C	VV26	CSG ZLV	AE
2025-U01	2025 Apr 29 1337:47?	Firefly Alpha	FLTA006	VSFBS SLC2W	FFLY
2025-091	2025 May 2 0151:10	Falcon 9	471/B1080.18 F469	CC LC40	SPX
2025-092	2025 May 4 0854:40	Falcon 9	473/B1078.20 F470	KSC LC39A	SPX
2025-093	2025 May 7 0117:20	Falcon 9	472/B1085.7 F471	CC LC40	SPX
2025-094	2025 May 10 0019:50	Falcon 9	469/B1081.14 F472	VSFBS SLC4E	SPX
2025-095	2025 May 10 0628:00	Falcon 9	475/B1083.11 F473	CC LC40	SPX
2025-096	2025 May 11 1327	Chang Zheng 6A	Y9	TYSC LC9A	SAST
2025-097	2025 May 12 1809	Chang Zheng 3C	Y19	XSC LC3	CALT
2025-098	2025 May 13 0115:10	Falcon 9	474/B1088.6 F474	VSFBS SLC4E	SPX
2025-099	2025 May 13 0502:20	Falcon 9	476/B1067.28 F475	KSC LC39A	SPX
2025-100	2025 May 14 0412	Chang Zheng 2D	Y107	JQ LC43/94	ZHSH/SAST
2025-101	2025 May 14 1638:50	Falcon 9	478/B1090.4 F476	CC LC40	SPX
2025-102	2025 May 16 1343:50	Falcon 9	477/B1093.2 F477	VSFBS SLC4E	SPX
2025-103	2025 May 17 0412	Zhuque-2E	Y2	JQ LC43/96A	LANDSP
2025-104	2025 May 17 0817	Electron	64	MAHIA LC1A	RLABN
2025-F05	2025 May 18 0029	PSLV-XL	PSLV-C61	SHAR FLP	ISRO
2025-105	2025 May 19 0738	Gushenxing 1	Y5	DFHT HHAI LP6	XIDO
2025-106	2025 May 20 1150	Chang Zheng 7A	Y15	WEN LC201	CALT
2025-107	2025 May 21 0319:10	Falcon 9	479/B1095.1 F478	CC LC40	SPX
2025-108	2025 May 21 0405	Lijian-1	Y7	JQ LC130	ZKYT
2025-109	2025 May 23 0836	Soyuz-2-1B	780-42-528 / 111-602	GIK-1 LC43/4	VVKO
2025-110	2025 May 23 2232:20	Falcon 9	480/B1075.18 F479	VSFBS SLC4E	SPX
2025-111	2025 May 24 1719:00	Falcon 9	481/B1069.24 F480	CC LC40	SPX

2025-112	2025 May 27 1657:15	Falcon 9	482/B1082.13 F481	VSFBS SLC4E	SPX
2025-U02	2025 May 27 2336:29?	Starship V2	B14.2/S35	STB OLP1	SPX
2025-113	2025 May 28 1330:00	Falcon 9	484/B1080.19 F482	KSC LC39A	SPX
2025-114	2025 May 28 1731	Chang Zheng 3B	Y110	XSC LC2	CALT
2025-115	2025 May 29 0412	Chang Zheng 4B	Y62	JQ LC43/94	SAST
2025-116	2025 May 30 1737:59	Falcon 9	483/B1092.4 F483	CC LC40	SPX
2025-117	2025 May 31 2010:00	Falcon 9	485/B1071.25 F484	VSFBS SLC4E	SPX
2025-118	2025 Jun 2 2357	Electron	65	MAHIA LC1B	RLABN
2025-119	2025 Jun 3 0443:40	Falcon 9	487/B1077.21 F485	CC LC40	SPX
2025-120	2025 Jun 4 2340:30	Falcon 9	488/B1063.26 F486	VSFBS SLC4E	SPX
2025-121	2025 Jun 5 2045	Chang Zheng 6A	Y8	TYSC IC9A	SAST
2025-122	2025 Jun 7 0454	Falcon 9	489/B1085.8 F487	CC LC40	SPX
2025-123	2025 Jun 8 1420:10	Falcon 9	490/B1088.7 F488	VSFBS SLC4E	SPX
2025-124	2025 Jun 10 1305:40	Falcon 9	491/B1083.12 F489	CC LC40	SPX
2025-125	2025 Jun 11 1531	Electron	66	MAHIA LC1A	RLABN
2025-126	2025 Jun 13 0154:50	Falcon 9	493/B1081.15 F490	VSFBS SLC4E	SPX
2025-127	2025 Jun 13 1529:00	Falcon 9	492/B1078.21 F491	CC LC40	SPX
2025-128	2025 Jun 14 0756	Chang Zheng 2D	Y42	JQ LC43/94	SAST
2025-129	2025 Jun 17 0736:50	Falcon 9	494/B1093.3 F492	VSFBS SLC4E	SPX
2025-130	2025 Jun 18 0555:10	Falcon 9	495/B1090.5 F493	CC LC40	SPX
2025-131	2025 Jun 19 0301:20?	Angara A5	71754 (4L)/88803?	GIK-1 LC35/1	KHRU
2025-132	2025 Jun 20 1237	Chang Zheng 3B	Y112	XSC LC2	CALT
2025-133	2025 Jun 23 0558:30	Falcon 9	497/B1069.25 F494	CC LC40	SPX
2025-134	2025 Jun 23 1054:30	Atlas V 551	AV-105	CC SLC41	ULAL
2025-135	2025 Jun 23 2125:00	Falcon 9	496/B1071.26 F495	VSFBS SLC4E	SPX
2025-136	2025 Jun 25 0631:53	Falcon 9	486/B1094.2 F496	KSC LC39A	SPX
2025-137	2025 Jun 25 1954:50	Falcon 9	498/B1080.20 F497	CC LC40	SPX
2025-138	2025 Jun 26 1728	Electron	67	MAHIA LC1A	RLABN
2025-139	2025 Jun 28 0426:00	Falcon 9	500/B1092.5 F498	CC LC40	SPX
2025-140	2025 Jun 28 0708	Electron	68	MAHIA LC1B	RLABN
2025-141	2025 Jun 28 1633:04	H-IIA 202	H-IIA-50	TNSC Y	MHI
2025-142	2025 Jun 28 1713:00	Falcon 9	501/B1088.8 F499	VSFBS SLC4E	SPX
2025-143	2025 Jul 1 2104	Falcon 9	502/B1085.9 F500	KSC LC39A	SPX
2025-144	2025 Jul 2 0628:10	Falcon 9	499/B1067.29 F501	CC LC40	SPX
2025-145	2025 Jul 3 0935	Chang Zheng 4C	Y63	XSC LC3	SAST
2025-146	2025 Jul 3 1932:40	Soyuz-2-1A	Kh15000-048	GIK-5 LC31	FKA
2025-147	2025 Jul 8 0821:00	Falcon 9	504/B1077.22 F502	CC LC40	SPX
2025-148	2025 Jul 13 0504	Falcon 9	505/B1083.13 F503	CC LC40	SPX
2025-149	2025 Jul 14 2134:23	Chang Zheng 7	Y10	WEN LC201	CALT
2025-150	2025 Jul 16 0205:20	Falcon 9	506/B1093.4 F504	VSFBS SLC4E	SPX
2025-151	2025 Jul 16 0630	Falcon 9	507/B1096.1 F505	CC LC40	SPX
2025-152	2025 Jul 19 0352	Falcon 9	508/B1082.14 F506	VSFBS SLC4E	SPX
2025-153	2025 Jul 22 2112	Falcon 9	510/B1090.6 F507	CC LC40	SPX
2025-154	2025 Jul 23 1813	Falcon 9	503/B1081.16 F508	VSFBS SLC4E	SPX
2025-155	2025 Jul 25 0554:04	Soyuz-2-1B	K 15000-015	VOST PU1S	FKA
2025-156	2025 Jul 26 0203:48	Vega C	VV27	CSG ZLV	AE
2025-157	2025 Jul 26 0901:40	Falcon 9	511/B1078.22 F509	CC LC40	SPX
2025-158	2025 Jul 27 0430:50	Falcon 9	512/B1075.19 F510	VSFBS SLC4E	SPX
2025-159	2025 Jul 27 1003	Chang Zheng 6A	Y14	TYSC LC9A	SAST
2025-160	2025 Jul 29 0411	Shuang Quxian 1	Y10	JQ LC43/95A	XJRY
2025-F06	2025 Jul 29 2235?	Eris Block 1	1	BOWEN	GILM
2025-161	2025 Jul 30 0337:50	Falcon 9	513/B1069.26 F511	CC LC40	SPX
2025-162	2025 Jul 30 0749	Chang Zheng 8A	Y3	HCSLS LC1	CALT
2025-163	2025 Jul 30 1210:25	GSLV Mk II	GSLV-F16	SHAR SLP	ISRO/NSIL
2025-164	2025 Jul 31 0200	Kuaizhou-1A	-	XSC LC4	EXPACE
2025-165	2025 Jul 31 1835:09	Falcon 9	514/B1071.27 F512	VSFBS SLC4E	SPX
2025-166	2025 Aug 1 1543:42	Falcon 9	509/B1094.3 F513	KSC LC39A	SPX
2025-167	2025 Aug 4 0757:50	Falcon 9	516/B1080.21 F514	CC LC40	SPX
2025-168	2025 Aug 4 1021:23	Chang Zheng 12	Y2	HCSLS LC2	SAST
2025-169	2025 Aug 5 0410	Electron	69	MAHIA LC1B	RLABN

2025-170	2025 Aug 8 1631	Jielong-3	Y6	DFHT HHAI LP6	CZHJ
2025-171	2025 Aug 11 1235	Falcon 9	517/B1091.1 F515	CC LC40	SPX
2025-172	2025 Aug 13 0037:50	Ariane 62	VA264 (L6003)	CSG ELA4	AE
2025-173	2025 Aug 13 0056	Vulcan Centaur VC4S	V-003	CC SLC41	ULAD
2025-174	2025 Aug 13 0643	Chang Zheng 5B/YZ-2	Y8/Y4	WEN LC101	CALT
2025-175	2025 Aug 14 0505:37	Falcon 9	515/B1093.5 F516	VSFBS SLC4E	SPX
2025-176	2025 Aug 14 1229:30	Falcon 9	519/B1085.10 F517	CC LC40	SPX
2025-F07	2025 Aug 15 0117	Zhuque-2E	Y3	JQ LC43/96A	LANDSP
2025-177	2025 Aug 17 0855	Chang Zheng 4C	Y64	XSC LC3	SAST
2025-178	2025 Aug 17 1415	Chang Zheng 6A	Y10	TYSC LC9A	SAST
2025-179	2025 Aug 18 1626:49	Falcon 9	521/B1088.9 F518	VSFBS SLC4E	SPX
2025-180	2025 Aug 19 0733:07	Lijian-1	Y10	JQ LC130	ZKYT
2025-181	2025 Aug 20 1713:30	Soyuz-2-1B	Ya15000-059	GIK-5 LC31	FKA
2025-182	2025 Aug 21 0932	Angara-1.2	71606/5?	GIK-1 LC35/1	KHRU
2025-183	2025 Aug 22 0350	Falcon 9	522/B1092.6 F519	KSC LC39A	SPX
2025-184	2025 Aug 22 1704:49	Falcon 9	524/B1081.17 F520	VSFBS SLC4E	SPX
2025-185	2025 Aug 23 2242	Electron	70	MAHIA LC1A	RLABN
2025-186	2025 Aug 24 0645:36	Falcon 9	523/B1090.7 F521	CC LC40	SPX
2025-187	2025 Aug 25 1908	Chang Zheng 8A	Y2	HCSLS LC1	CALT
2025-188	2025 Aug 26 1853:41	Falcon 9	526/B1063.27 F522	VSFBS SLC4E	SPX
2025-U03	2025 Aug 26 2330:03?	Starship V2	B16/S37	STB OLP1	SPX
2025-189	2025 Aug 27 1110:40	Falcon 9	525/B1095.2 F523	CC LC40	SPX
2025-190	2025 Aug 28 0812:00	Falcon 9	520/B1067.30 F524	KSC LC39A	SPX
2025-191	2025 Aug 30 0459:30	Falcon 9	528/B1082.15 F525	VSFBS SLC4E	SPX
2025-192	2025 Aug 31 1149:00	Falcon 9	527/B1077.23 F526	CC LC40	SPX
2025-193	2025 Sep 2 1930	Shavit 2	13	PALB	ISA
2025-194	2025 Sep 3 0351:26	Falcon 9	530/B1097.1 F527	VSFBS SLC4E	SPX
2025-195	2025 Sep 3 1156:10	Falcon 9	529/B1083.14 F528	CC LC40	SPX
2025-196	2025 Sep 5 0234	Chang Zheng 3C/YZ-1	Y20/Y18	XSC LC2	CALT
2025-197	2025 Sep 5 1139	Gushenxing 1	Y15	JQ LC43/95B	XIDO
2025-198	2025 Sep 5 1232:30	Falcon 9	531/B1069.27 F529	KSC LC39A	SPX
2025-199	2025 Sep 6 1634	Chang Zheng 6A	Y12	TYSC LC9A	SAST
2025-200	2025 Sep 6 1806:40	Falcon 9	532/B1075.20 F530	VSFBS SLC4E	SPX
2025-201	2025 Sep 8 1948	Jielong-3	Y7	DFHT HHAI LP6	CZHJ
2025-202	2025 Sep 9 0200	Chang Zheng 7A	Y14	WEN LC201	CALT
2025-203	2025 Sep 10 1412:10	Falcon 9	534/B1093.6 F531	VSFBS SLC4E	SPX
2025-204	2025 Sep 11 1554:06	Soyuz-2-1A	K 15000-079	GIK-5 LC31	FKA
2025-205	2025 Sep 12 0156	Falcon 9	533/B1078.23 F532	CC LC40	SPX
2025-206	2025 Sep 13 0210	Soyuz-2-1B	V 15000-061/ 112-22	GIK-1 LC43/3	FKA
2025-207	2025 Sep 13 1755:49	Falcon 9	536/B1071.28 F533	VSFBS SLC4E	SPX
2025-208	2025 Sep 14 2211:49	Falcon 9	535/B1094.4 F534	CC LC40	SPX
2025-209	2025 Sep 16 0106	Chang Zheng 2C/YZ-1S	Y87?/Y19?	JQ LC43/94	CALT
2025-210	2025 Sep 18 0930:00	Falcon 9	538/B1092.7 F535	CC LC40	SPX
2025-F08	2025 Sep 18 1500?	Zoljanah	-	SEM	IRGC
2025-211	2025 Sep 19 1631:39	Falcon 9	537/B1088.10 F536	VSFBS SLC4E	SPX
2025-212	2025 Sep 21 1053:00	Falcon 9	539/B1085.11 F537	CC LC40	SPX
2025-213	2025 Sep 22 1738	Falcon 9	540/B1081.18 F538	VSFBS SLC4E	SPX
2025-214	2025 Sep 24 0756	Jielong-3	Y8	DFHT HHAI LP6	CZHJ
2025-215	2025 Sep 24 1130:50	Falcon 9	518/B1096.2 F539	KSC LC39A	SPX
2025-216	2025 Sep 25 0839:00	Falcon 9	542/B1080.22 F540	CC LC40	SPX
2025-217	2025 Sep 25 1209	Atlas V 551	AV-108	CC SLC41	ULAL
2025-218	2025 Sep 26 0426:29	Falcon 9	541/B1082.16 F541	VSFBS SLC4E	SPX
2025-219	2025 Sep 26 1928	Chang Zheng 4C	Y45	JQ LC43/94	SAST
2025-220	2025 Sep 27 1240	Chang Zheng 6A	Y16	TYSC LC9A	SAST
2025-221	2025 Sep 29 0204:50	Falcon 9	544/B1063.28 F542	VSFBS SLC4E	SPX
2025-222	2025 Sep 29 0300	Chang Zheng 2D	Y94	XSC LC3	SAST
2025-223	2025 Oct 3 1406:50	Falcon 9	546/B1097.2 F543	VSFBS SLC4E	SPX
2025-224	2025 Oct 7 0646:10	Falcon 9	543/B1090.8 F544	CC LC40	SPX
2025-225	2025 Oct 8 0354:00	Falcon 9	548/B1071.29 F545	VSFBS SLC4E	SPX
2025-226	2025 Oct 11 0220	Yinli-1	Y2	DFHT HHAI LP4A	DFK

2025-227	2025 Oct 13 1000	Chang Zheng 2D	Y92	JQ LC43/94	SAST
2025-U04	2025 Oct 13 2323:45	Starship V2	B15.2/S38	STB OLP1	SPX
2025-228	2025 Oct 14 0158:00	Falcon 9	545/B1091.2 F546	CC LC40	SPX
2025-229	2025 Oct 14 1633	Electron	73	MAHIA LC1A	RLABN
2025-230	2025 Oct 15 2306:06	Falcon 9	549/B1093.7 F547	VSFBS SLC4E	SPX
2025-231	2025 Oct 16 0133:09?	Chang Zheng 8A	Y4	HCCLS LC1	CALT
2025-232	2025 Oct 16 0927:10	Falcon 9	547/B1095.3 F548	CC LC40	SPX
2025-233	2025 Oct 17 0708	Chang Zheng 6A	Y24	TYSC LC9A	SAST
2025-234	2025 Oct 19 0333	Lijian-1	Y8	JQ LC130	ZKYT
2025-235	2025 Oct 19 1739:40	Falcon 9	550/B1067.31 F549	CC LC40	SPX
2025-236	2025 Oct 19 1924:00	Falcon 9	552/B1088.11 F550	VSFBS SLC4E	SPX
2025-237	2025 Oct 22 1416:20	Falcon 9	555/B1075.21 F551	VSFBS SLC4E	SPX
2025-238	2025 Oct 23 1430	Chang Zheng 5	Y9	WEN LC101	CALT
2025-239	2025 Oct 24 0130:00	Falcon 9	553/B1076.22 F552	CC LC40	SPX
2025-240	2025 Oct 25 1420:50	Falcon 9	556/B1081.19 F553	VSFBS SLC4E	SPX
2025-241	2025 Oct 26 0000:15	H3-24W	H3-F7	TNSC Y2	JAXA
2025-242	2025 Oct 26 0355	Chang Zheng 3B	Y111	XSC	CALT
2025-243	2025 Oct 26 1500:40	Falcon 9	551/B1077.24 F554	CC LC40	SPX
2025-244	2025 Oct 28 0043:49	Falcon 9	557/B1082.17 F555	VSFBS SLC4E	SPX
2025-245	2025 Oct 29 1635:20	Falcon 9	558/B1083.15 F556	CC LC40	SPX
2025-246	2025 Oct 31 1544:46	Chang Zheng 2F	Y21	JQ LC43/91	CALT
2025-247	2025 Oct 31 2041:10	Falcon 9	559/B1063.29 F557	VSFBS SLC4E	SPX
2025-248	2025 Nov 2 0509:59	Falcon 9	560/B1091.3 F558	CC LC40	SPX
2025-249	2025 Nov 2 1156	LVM3	LVM3-M5	SHAR SLP	ISRO
2025-250	2025 Nov 3 0347	Chang Zheng 7A	Y13	WEN LC201	CALT
2025-251	2025 Nov 4 2102	Ariane 62	VA265 (L6005)	CSG ELA4	AE
2025-252	2025 Nov 5 1951	Electron	74	MAHIA LC1B	RLABN
2025-253	2025 Nov 6 0131:10	Falcon 9	561/B1094.5 F559	CC LC40	SPX
2025-254	2025 Nov 6 2113:50	Falcon 9	563/B1093.8 F560	VSFBS SLC4E	SPX
2025-255	2025 Nov 8 2101	Chang Zheng 11	Y6	DFHT HHAI LP2	CALT
2025-256	2025 Nov 9 0332	Lijian-1	Y9	JQ LC130	ZKYT
2025-257	2025 Nov 9 0810:10	Falcon 9	562/B1069.28 F561	KSC LC39A	SPX
2025-258	2025 Nov 10 0241:56	Chang Zheng 12	Y3	HCCLS LC2	SAST
2025-U05	2025 Nov 10 0402:43	Gushenxing 1	Y19	JQ LC43/95B	XIDO
2025-259	2025 Nov 11 0321:30	Falcon 9	565/B1096.3 F562	CC LC40	SPX
2025-260	2025 Nov 13 2055	New Glenn 7x2	NG2	CC LC36	BLOR
2025-261	2025 Nov 14 0304	Atlas V 551	AV-100	CC SLC41	ULAL
2025-262	2025 Nov 15 0308:10	Falcon 9	566/B1092.8 F563	KSC LC39A	SPX
2025-263	2025 Nov 15 0644:20	Falcon 9	567/B1078.24 F564	CC LC40	SPX
2025-264	2025 Nov 17 0521:32	Falcon 9	554/B1097.3 F565	VSFBS SLC4E	SPX
2025-265	2025 Nov 19 0012:20	Falcon 9	568/B1085.12 F566	CC LC40	SPX
2025-266	2025 Nov 19 0401	Chang Zheng 2C	Y88?	JQ LC43/94	CALT
2025-267	2025 Nov 20 1243	Electron	76	MAHIA LC1A	RLABN
2025-268	2025 Nov 21 0339:30	Falcon 9	570/B1080.23 F567	KSC LC39A	SPX
2025-269	2025 Nov 21 1055	Chang Zheng 3B	Y118?	XSC LC2	CALT
2025-270	2025 Nov 22 0753:50	Falcon 9	571/B1090.9 F568	CC LC40	SPX
2025-271	2025 Nov 23 0848:00	Falcon 9	569/B1100.1 F569	VSFBS SLC4E	SPX
2025-272	2025 Nov 25 0411:45	Chang Zheng 2F	Y22	JQ LC43/91	CALT
2025-273	2025 Nov 25 1342	Angara-1.2	71607?/6L?	GIK-1 LC35/1	KHRU
2025-274	2025 Nov 26 1613:00	Nuri	4	NARO LC2	KARI
2025-275	2025 Nov 27 0927:57	Soyuz-2-1A	M 15000-071	GIK-5 LC31	FKA
2025-276	2025 Nov 28 1844:30	Falcon 9	564/B1071.30 F570	VSFBS SLC4E	SPX
2025-277	2025 Nov 30 1220	Chang Zheng 7A	Y10	WEN LC201	CALT
2025-278	2025 Dec 1 0744:10	Falcon 9	573/B1095.4 F571	KSC LC39A	SPX
2025-279	2025 Dec 1 1721	Vega C	VV28	CSG ZLV	AE
2025-280	2025 Dec 2 0528:20	Falcon 9	572/B1081.20 F572	VSFBS SLC4E	SPX
2025-281	2025 Dec 2 2218:50	Falcon 9	574/B1077.25 F573	CC LC40	SPX
2025-282	2025 Dec 3 0400	Zhuque-3	Y1	JQ LC43/96B	LANDSP
2025-283	2025 Dec 4 2042:20	Falcon 9	575/B1097.4 F574	VSFBS SLC4E	SPX
2025-284	2025 Dec 5 0900	Kuaizhou-1A	-	JQ LC43/95A	EXPACE

2025-285	2025 Dec 6 0753	Chang Zheng 8A	Y5	HCSLS LC1	CALT
2025-286	2025 Dec 7 1758:30	Falcon 9	576/B1088.12 F575	VSFBS SLC4E	SPX
2025-287	2025 Dec 8 2211	Chang Zheng 6A	Y15	TYSC LC9A	SAST
2025-288	2025 Dec 8 2226:10	Falcon 9	577/B1067.32 F576	KSC LC39A	SPX
2025-289	2025 Dec 9 0341	Chang Zheng 4B	Y64	JQ	SAST
2025-290	2025 Dec 9 1508	Chang Zheng 3B	Y119	XSC LC3	CALT
2025-291	2025 Dec 9 1916	Falcon 9	578/B1096.4 F577	CC LC40	SPX
2025-292	2025 Dec 10 0403:45	Lijian-1	Y11	JQ LC130	ZKYT
2025-293	2025 Dec 10 1140:30	Falcon 9	579/B1082.18 F578	VSFBS SLC4E	SPX
2025-294	2025 Dec 11 2201:20	Falcon 9	580/B1083.16 F579	CC LC40	SPX
2025-295	2025 Dec 11 2300	Chang Zheng 12	Y4	HCSLS LC2	SAST
2025-296	2025 Dec 13 0108	Kuaizhou-11	Y8	JQ LC43/95?	EXPACE
2025-297	2025 Dec 14 0309	Electron	77	MAHIA LC1B	RLABN
2025-298	2025 Dec 14 0549:00	Falcon 9	581/B1093.9 F580	VSFBS SLC4E	SPX
2025-299	2025 Dec 15 0525:10	Falcon 9	583/B1092.9 F581	CC LC40	SPX
2025-300	2025 Dec 16 0317	Chang Zheng 4B	Y61	TYSC	SAST
2025-301	2025 Dec 16 0828	Atlas V 551	AV-111	CC SLC41	ULAL
2025-302	2025 Dec 17 0501:58	Ariane 62	VA266 (L6004)	CSG ELA4	AE
2025-303	2025 Dec 17 1342:10	Falcon 9	582/B1094.6 F582	KSC LC39A	SPX
2025-304	2025 Dec 17 1527:50	Falcon 9	584/B1063.30 F583	VSFBS SLC4E	SPX
2025-305	2025 Dec 18 0503:00	Electron	78	MARS Pad 0C	RLABU
2025-306	2025 Dec 20 1230	Chang Zheng 5	Y10	WEN LC101	CALT
2025-307	2025 Dec 21 0636	Electron	79	MAHIA LC1B	RLABN
2025-U06	2025 Dec 22 0151:30	H3-22S	H3-F8	TNSC Y2	JAXA
2025-F09	2025 Dec 23 0113	HANBIT-NANO	1	ALCA HAN	INNOSP
2025-308	2025 Dec 23 0200	Chang Zheng 12A	Y1	JQ LC-CZ12A	SAST
2025-309	2025 Dec 24 0325:30	LVM3	LVM3-M6	SHAR SLP	NSIL
2025-310	2025 Dec 25 1411	Soyuz-2-1A	-	GIK-1 LC43/4?	VVKO
2025-311	2025 Dec 25 2326	Chang Zheng 8A	Y6	HCSLS LC1	CALT
2025-312	2025 Dec 26 1607	Chang Zheng 3B	Y113	XSC	CALT
2025-313	2025 Dec 28 1318:05	Soyuz-2-1B	-	VOST PU1S	FKA
2025-314	2025 Dec 30 0412	Chang Zheng 4B	Y69	JQ	SAST
2025-315	2025 Dec 30 2240:07	Chang Zheng 7A	Y7	WEN LC201	CALT

Note: Owner, Agency and Country codes in the tables are defined in <http://planet4589.org/space/lvdb/sdb/Orgs>.
Launch Sites are defined in <http://planet4589.org/space/lvdb/sdb/Sites>.

Appendix 2: Satellite payloads launched or deployed in 2025

LaunchNo	DeployNo	CATID	LAUNCH ID	Name	Launch Date UTC	Appendix 2(a): Payloads included in annual statistics	Deploy date UTC	Owner	Country	Perigee	Apogee	Inc	Status
-	1	S64627	2022-089C	Kosmos-2558 subsatellite	2022 Aug 1 2025	2025 Jun 26 1400?	2025 Jun 26 1400?	TSKHM	RU	454	456	97.24	In Earth orbit
-	2	S64289	2022-144L	USA 546	2022 Nov 1 1341	2025 Jun?	2025 Jun?	AFRL	US	36090	36100	4.70	In Earth orbit
-	3	S64466	2022-144M	USA 547	2022 Nov 1 1341	2025 Jun?	2025 Jun?	AFRL	US	35700	35710	4.80	In Earth orbit
-	4	S64722	2022-144N	USA 548	2022 Nov 1 1341	2025 Jun 30?	2025 Jun 30?	AFRL	US	35700	35710	4.08	In Earth orbit
-	5	S65156	2022-144P	USA 551	2022 Nov 1 1341	2025 Jun 30?	2025 Jun 30?	AFRL	US	35700	35710	4.08	In Earth orbit
-	6	S65157	2022-144Q	USA 552	2022 Nov 1 1341	2025 Jun 30?	2025 Jun 30?	AFRL	US	35700	35710	4.08	In Earth orbit
-	7	S65158	2022-144R	USA 553	2022 Nov 1 1341	2025 Jun 30?	2025 Jun 30?	AFRL	US	35700	35710	4.08	In Earth orbit
-	8	S65650	2022-144S	USA 556	2022 Nov 1 1341	2025 Sep 17?	2025 Sep 17?	AFRL	US	35700	35900	4.08	In Earth orbit
-	9	S65651	2022-144T	USA 557	2022 Nov 1 1341	2025 Sep 17?	2025 Sep 17?	AFRL	US	35700	35900	4.08	In Earth orbit
-	10	S65724	2024-134H	USA 566	2024 Jul 30 1045	2025 Oct 20?	2025 Oct 20?	SFSSC	US	35990	36635	0.17	In Earth orbit
-	11	S66145	2024-134J	USA 567	2024 Jul 30 1045	2025 Nov 30?	2025 Nov 30?	SFSSC	US	35987	35995	0.72	In Earth orbit
-	12	S66551	2024-134K	USA 568	2024 Jul 30 1045	2025 Nov 30?	2025 Nov 30?	SFSSC	US	35800	36100	0.00	In Earth orbit
-	13	S66552	2024-134L	USA 569	2024 Jul 30 1045	2025 Nov 30?	2025 Nov 30?	SFSSC	US	35800	36100	0.00	In Earth orbit
-	14	S63523	2021-035E	NAXING-4B	2024 Dec 15 1513:18	2025 Apr 7 1000	2025 Apr 7 1000	TSHUA	US	370	382	41.46	In Earth orbit
-	15	S62258	2024-233C	PROBA-3 OSC	2024 Dec 5 1034	2025 Jan 14 2300	2025 Jan 14 2300	ESA	ESA	644	60563	59.28	In Earth orbit
-	16	S62483	2025-001A	Thuraya 4-NGS	2025 Jan 4 0127	2025 Jan 4 0202	2025 Jan 4 0202	SP42/THUR	UAE	4651	60388	14.64	In Earth orbit
-	17	S62485	2025-002A	Shi Jian 25	2025 Jan 6 2000	2025 Jan 6 2028?	2025 Jan 6 2028?	SAST	CN	8078	34498	22.25	Attached to CZ-3B Y104 Stage 3
-	18	S62487	2025-003A	Starlink 32713	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	273	279	43.01	In Earth orbit
-	19	S62488	2025-003B	Starlink 32732	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	20	S62489	2025-003C	Starlink 32328	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	6	S62490	2025-003D	Starlink 32332	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	7	S62491	2025-003E	Starlink 32717	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	8	S62492	2025-003F	Starlink 32757	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	9	S62493	2025-003G	Starlink 32731	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	10	S62494	2025-003H	Starlink 32694	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	26	S62495	2025-003J	Starlink 32708	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	11	S62496	2025-003K	Starlink 32718	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	12	S62497	2025-003L	Starlink 32729	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	13	S62498	2025-003M	Starlink 32729	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	14	S62499	2025-003N	Starlink 32714	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	15	S62500	2025-003O	Starlink 32714	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	31	S62501	2025-003P	Starlink 32685	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	17	S62502	2025-003Q	Starlink 32691	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	32	S62503	2025-003R	Starlink 32788	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	18	S62504	2025-003S	Starlink 32768	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	34	S62505	2025-003T	Starlink 32792	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	20	S62506	2025-003U	Starlink 32725	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	21	S62507	2025-003V	Starlink 32681	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	22	S62508	2025-003W	Starlink 32679	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	23	S62509	2025-003X	Starlink 32749	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	24	S62510	2025-003Y	Starlink 32744	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	25	S62511	2025-003Z	Starlink 32701	2025 Jan 6 2043:59	2025 Jan 6 2149:20	2025 Jan 6 2149:20	SPXS	US	272	279	43.01	In Earth orbit
-	26	S62512	2025-004A	Starlink 11452	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	273	282	43.01	In Earth orbit
-	27	S62513	2025-004B	Starlink 11443	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	273	282	43.01	In Earth orbit
-	28	S62514	2025-004C	Starlink 11440	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	273	282	43.01	In Earth orbit
-	29	S62515	2025-004D	Starlink 11514	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	30	S62516	2025-004E	Starlink 11508	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	31	S62517	2025-004F	Starlink 11510	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	32	S62518	2025-004G	Starlink 11512	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	33	S62519	2025-004H	Starlink 11450	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	34	S62520	2025-004I	Starlink 11482	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	35	S62521	2025-004J	Starlink 11528	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	36	S62522	2025-004K	Starlink 11516	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	37	S62523	2025-004L	Starlink 11527	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	38	S62524	2025-004M	Starlink 11527	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	39	S62525	2025-004N	Starlink 32788	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	40	S62526	2025-004P	Starlink 32777	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	41	S62527	2025-004Q	Starlink 32741	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	42	S62528	2025-004R	Starlink 32754	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	43	S62529	2025-004S	Starlink 32786	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	44	S62530	2025-004T	Starlink 32789	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
-	45	S62531	2025-004U	Starlink 32789	2025 Jan 8 1527:00	2025 Jan 8 1632:15	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit

46	61	862530	2025-004V	Starlink 32791	2025 Jan 8 1527:00	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
47	62	862531	2025-004W	Starlink 32785	2025 Jan 8 1527:00	2025 Jan 8 1632:15	SPXS	US	272	281	43.01	In Earth orbit
48	63	862532	2025-005A	USA 463	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	520	521	70.00	In Earth orbit
49	64	862533	2025-005B	USA 464	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	520	521	70.00	In Earth orbit
50	65	862534	2025-005C	USA 465	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	350	351	70.00	In Earth orbit
51	66	862535	2025-005D	USA 466	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	350	351	70.00	In Earth orbit
52	67	862536	2025-005E	USA 467	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	350	351	70.00	In Earth orbit
53	68	862537	2025-005F	USA 468	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	575	578	70.00	In Earth orbit
54	69	862538	2025-005G	USA 469	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	575	578	70.00	In Earth orbit
55	70	862539	2025-005H	USA 470	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	456	456	70.00	In Earth orbit
56	71	862540	2025-005I	USA 471	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	576	577	70.00	In Earth orbit
57	72	862541	2025-005J	USA 472	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	435	437	70.00	In Earth orbit
58	73	862542	2025-005K	USA 473	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	435	437	70.00	In Earth orbit
59	74	862543	2025-005L	USA 474	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	575	578	70.00	In Earth orbit
60	75	862544	2025-005M	USA 475	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	575	578	70.00	In Earth orbit
61	76	862545	2025-005N	USA 476	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	575	578	70.00	In Earth orbit
62	77	862546	2025-005P	USA 477	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	575	578	70.00	In Earth orbit
63	78	862547	2025-005Q	USA 478	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	575	578	70.00	In Earth orbit
64	79	862548	2025-005R	USA 479	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	282	291	70.00	In Earth orbit
65	80	862549	2025-005S	USA 480	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	282	292	70.00	In Earth orbit
66	81	862550	2025-005T	USA 481	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	282	289	70.00	In Earth orbit
67	82	862551	2025-005U	USA 482	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	281	291	70.00	In Earth orbit
68	83	862552	2025-005V	USA 483	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	284	290	70.00	In Earth orbit
69	84	862553	2025-005W	USA 484	2025 Jan 10 0353	2025 Jan 10 0453:37	NROC	US	281	290	70.00	In Earth orbit
70	85	862554	2025-005X	Starlink 11538	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	291	43.01	In Earth orbit
71	86	862555	2025-006A	Starlink 11534	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	291	43.01	In Earth orbit
72	87	862556	2025-006B	Starlink 11515	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	291	43.01	In Earth orbit
73	88	862557	2025-006C	Starlink 11478	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	291	43.01	In Earth orbit
74	89	862558	2025-006D	Starlink 11358	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	290	43.01	In Earth orbit
75	90	862559	2025-006E	Starlink 11517	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	291	43.01	In Earth orbit
76	91	862560	2025-006F	Starlink 11519	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	291	43.01	In Earth orbit
77	92	862561	2025-006G	Starlink 11451	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	283	291	43.01	In Earth orbit
78	93	862562	2025-006H	Starlink 11530	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	282	290	43.01	In Earth orbit
79	94	862563	2025-006I	Starlink 11536	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	282	290	43.01	In Earth orbit
80	95	862564	2025-006J	Starlink 11540	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	282	290	43.01	In Earth orbit
81	96	862565	2025-006K	Starlink 11523	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	282	290	43.01	In Earth orbit
82	97	862566	2025-006L	Starlink 11525	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	282	290	43.01	In Earth orbit
83	98	862567	2025-006M	Starlink 32752	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
84	99	862568	2025-006N	Starlink 32766	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
85	100	862569	2025-006O	Starlink 32760	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
86	101	862570	2025-006P	Starlink 32715	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
87	102	862571	2025-006Q	Starlink 32764	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
88	103	862572	2025-006R	Starlink 32773	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
89	104	862573	2025-006S	Starlink 32750	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
90	105	862574	2025-006T	Starlink 32771	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
91	106	862575	2025-006U	Starlink 32766	2025 Jan 10 1911:20	2025 Jan 10 2016:40	SPXS	US	284	292	43.01	In Earth orbit
92	107	862576	2025-006V	Weili Kongjian 01-01	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	634	652	54.98	In Earth orbit
93	108	862577	2025-007A	Weili Kongjian 01-02	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	634	652	54.98	In Earth orbit
94	109	862578	2025-007B	Weili Kongjian 01-03	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	634	652	54.99	In Earth orbit
95	110	862579	2025-007C	Weili Kongjian 01-04	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	635	652	54.99	In Earth orbit
96	111	862580	2025-007D	Weili Kongjian 01-05	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	635	652	54.98	In Earth orbit
97	112	862581	2025-007E	Weili Kongjian 01-06	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	635	652	54.98	In Earth orbit
98	113	862582	2025-007F	Weili Kongjian 01-07	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	636	651	54.98	In Earth orbit
99	114	862583	2025-007G	Weili Kongjian 01-08	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	636	652	54.98	In Earth orbit
100	115	862584	2025-007H	Weili Kongjian 01-09	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	641	655	54.98	In Earth orbit
101	116	862585	2025-007I	Weili Kongjian 01-10	2025 Jan 13 0300	2025 Jan 13 0315:57	CENTI	CN	641	655	54.98	In Earth orbit
102	117	862587	2025-008A	Starlink 11547	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	288	291	43.01	In Earth orbit
103	118	862588	2025-008B	Starlink 11885	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	288	291	43.01	In Earth orbit
104	119	862589	2025-008C	Starlink 11513	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	288	290	43.01	In Earth orbit
105	120	862590	2025-008D	Starlink 11397	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	288	290	43.01	In Earth orbit
106	121	862591	2025-008E	Starlink 11420	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	287	290	43.01	In Earth orbit
107	122	862592	2025-008F	Starlink 11415	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	287	290	43.01	In Earth orbit
108	123	862593	2025-008G	Starlink 11413	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	287	289	43.01	In Earth orbit
109	124	862594	2025-008H	Starlink 11416	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	287	289	43.01	In Earth orbit
110	125	862595	2025-008I	Starlink 11532	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	286	289	43.01	In Earth orbit
111	126	862597	2025-008L	Starlink 11521	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	286	289	43.01	In Earth orbit

112	862598	2025-008M	Starlink 11258	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	286	288	43.01	In Earth orbit
113	862599	2025-008N	Starlink 11529	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	286	288	43.01	In Earth orbit
114	862600	2025-008P	Starlink 32767	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	285	288	43.01	In Earth orbit
115	862601	2025-008Q	Starlink 32767	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	285	288	43.01	In Earth orbit
116	862602	2025-008R	Starlink 32769	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	285	287	43.01	In Earth orbit
117	862603	2025-008S	Starlink 32778	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	284	287	43.01	In Earth orbit
118	862604	2025-008T	Starlink 32710	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	284	287	43.01	In Earth orbit
119	862605	2025-008U	Starlink 32742	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	284	287	43.01	In Earth orbit
120	862606	2025-008V	Starlink 32783	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	284	287	43.01	In Earth orbit
121	862607	2025-008W	Starlink 32784	2025 Jan 13 1647:09	2025 Jan 13 1752:25	SPXS	US	284	286	43.01	In Earth orbit
122	862609	2025-009A	Buzzzer-1	2025 Jan 14 1909:00	2025 Jan 14 2003:41	UNSEEN	F	512	523	97.45	In Earth orbit
123	862610	2025-009B	Edison-1	2025 Jan 14 1909:00	2025 Jan 14 2003:12	SP1NV/ESA	DK	512	522	97.45	In Earth orbit
124	862611	2025-009C	Balkan-1	2025 Jan 14 1909:00	2025 Jan 14 2004:19	ENDUR	BGN	512	522	97.44	In Earth orbit
125	862612	2025-009D	GESAT Gen1	2025 Jan 14 1909:00	2025 Jan 14 2003:07	ABSEN/NANAV	F	512	522	97.45	In Earth orbit
126	862613	2025-009E	Flock 4g-8	2025 Jan 14 1909:00	2025 Jan 14 2024:18	PLAN	UAE	511	516	97.44	In Earth orbit
127	862614	2025-009F	HCT-SAT-1	2025 Jan 14 1909:00	2025 Jan 14 2003:51	HCT/MBRSC	UAE	512	522	97.44	In Earth orbit
128	862615	2025-009G	Veery-0F	2025 Jan 14 1909:00	2025 Jan 14 2005:54	CAREWX	US	512	513	97.45	In Earth orbit
129	862616	2025-009H	InnoCube	2025 Jan 14 1909:00	2025 Jan 14 2005:09	TUB	D	512	522	97.44	In Earth orbit
130	862617	2025-009J	SCOFIDigantara	2025 Jan 14 1909:00	2025 Jan 14 2004:02	DIGAN/ORBAS	IN	512	521	97.44	In Earth orbit
131	862618	2025-009K	AE1d	2025 Jan 14 1909:00	2025 Jan 14 2012:58	ARKE	J	512	521	97.44	In Earth orbit
132	862619	2025-009L	IRIS-F3	2025 Jan 14 1909:00	2025 Jan 14 2008:00	NCKU	TW	512	521	97.45	In Earth orbit
133	862620	2025-009M	Saturnin-1	2025 Jan 14 1909:00	2025 Jan 14 2004:58	VZCR/VZLU	CZ	512	522	97.44	In Earth orbit
134	862621	2025-009N	Flock 4g-13	2025 Jan 14 1909:00	2025 Jan 14 2007:54	PLAN	US	512	519	97.44	In Earth orbit
135	862622	2025-009P	Flock 4g-9	2025 Jan 14 1909:00	2025 Jan 14 2005:30	PLAN	US	512	520	97.44	In Earth orbit
136	862623	2025-009Q	Otter	2025 Jan 14 1909:00	2025 Jan 14 2003:25	USNPS	US	512	521	97.45	In Earth orbit
137	862624	2025-009R	Flock 4g-7	2025 Jan 14 1909:00	2025 Jan 14 2022:31	PLAN	US	512	516	97.44	In Earth orbit
138	862625	2025-009S	Flock 4g-12	2025 Jan 14 1909:00	2025 Jan 14 2020:09	PLAN	US	511	516	97.44	In Earth orbit
139	862626	2025-009T	MBZ/SAT	2025 Jan 14 1909:00	2025 Jan 14 2031:07	MBRSC	UAE	511	517	97.44	In Earth orbit
140	862627	2025-009U	Ray 1.0	2025 Jan 14 1909:00	2025 Jan 14 2018:51	INVER	US	511	517	97.45	In Earth orbit
141	862628	2025-009V	ION SCV Amazing Antonius	2025 Jan 14 1909:00	2025 Jan 14 2017:39	DORBIT	I	512	516	97.44	In Earth orbit
142	862629	2025-009W	Flock 4g-11	2025 Jan 14 1909:00	2025 Jan 14 2018:30	PLAN	US	512	515	97.44	In Earth orbit
143	862630	2025-009X	ION SCV Eminent Emmanuel	2025 Jan 14 1909:00	2025 Jan 14 2019:25	DORBIT	I	512	516	97.44	In Earth orbit
144	862631	2025-009Y	Pelican 2	2025 Jan 14 1909:00	2025 Jan 14 2011:18	PLAN	US	512	516	97.44	In Earth orbit
145	862632	2025-009Z	STG1	2025 Jan 14 1909:00	2025 Jan 14 2014:40	MBS/REFLEX	D	511	516	97.45	In Earth orbit
146	862633	2025-009AA	Flock 4g-26	2025 Jan 14 1909:00	2025 Jan 14 2013:32	PLAN	US	512	515	97.45	In Earth orbit
147	862634	2025-009AB	Flock 4g-28	2025 Jan 14 1909:00	2025 Jan 14 2017:33	PLAN	US	511	515	97.44	In Earth orbit
148	862635	2025-009AC	GARAI A	2025 Jan 14 1909:00	2025 Jan 14 2009:47	SATLAN	E	512	516	97.45	In Earth orbit
149	862636	2025-009AD	Flock 4g-20	2025 Jan 14 1909:00	2025 Jan 14 2013:24	PLAN	US	512	515	97.44	In Earth orbit
150	862637	2025-009AE	Flock 4g-24	2025 Jan 14 1909:00	2025 Jan 14 2010:37	PLAN	US	511	515	97.45	In Earth orbit
151	862638	2025-009AF	Flock 4g-16	2025 Jan 14 1909:00	2025 Jan 14 2009:32	PLAN	US	512	514	97.44	In Earth orbit
152	862639	2025-009AG	Flock 4g-3	2025 Jan 14 1909:00	2025 Jan 14 2008:05	PLAN	US	511	515	97.45	In Earth orbit
153	862640	2025-009AH	UzmaSat-1	2025 Jan 14 1909:00	2025 Jan 14 2007:29	UZMAURUGUS	MY	512	515	97.44	In Earth orbit
154	862641	2025-009AJ	Flock 4g-27	2025 Jan 14 1909:00	2025 Jan 14 2016:16	PLAN	US	512	514	97.44	In Earth orbit
155	862642	2025-009AK	Flock 4g-29	2025 Jan 14 1909:00	2025 Jan 14 2013:15	PLAN	US	511	515	97.45	In Earth orbit
156	862643	2025-009AL	Flock 4g-32	2025 Jan 14 1909:00	2025 Jan 14 2012:14	PLAN	US	511	514	97.44	In Earth orbit
157	862644	2025-009AM	ANSER-L-S	2025 Jan 14 1909:00	2025 Jan 14 2007:22	INTA	E	512	515	97.45	In Earth orbit
158	862645	2025-009AN	Flock 4g-22	2025 Jan 14 1909:00	2025 Jan 14 2010:25	PLAN	US	511	514	97.44	In Earth orbit
159	862646	2025-009AP	Flock 4g-25	2025 Jan 14 1909:00	2025 Jan 14 2005:14	PLAN	US	511	514	97.44	In Earth orbit
160	862647	2025-009AQ	Flock 4g-23	2025 Jan 14 1909:00	2025 Jan 14 2005:37	PLAN	US	510	514	97.44	In Earth orbit
161	862648	2025-009AR	LIME	2025 Jan 14 1909:00	2025 Jan 14 2004:08	NOVI	US	511	514	97.44	In Earth orbit
162	862649	2025-009AS	AE1c	2025 Jan 14 1909:00	2025 Jan 14 2007:11	ARKE	J	512	514	97.45	In Earth orbit
163	862650	2025-009AT	Flock 4g-34	2025 Jan 14 1909:00	2025 Jan 14 2008:24	PLAN	US	511	513	97.44	In Earth orbit
164	862651	2025-009AU	Flock 4g-21	2025 Jan 14 1909:00	2025 Jan 14 2006:10	PLAN	US	511	513	97.44	In Earth orbit
165	862652	2025-009AV	Flock 4g-31	2025 Jan 14 1909:00	2025 Jan 14 2004:37	PLAN	US	511	513	97.44	In Earth orbit
166	862653	2025-009AW	PAUSAT-1	2025 Jan 14 1909:00	2025 Jan 14 2004:48	PAU	PK	512	514	97.44	In Earth orbit
167	862654	2025-009AX	BRO-16	2025 Jan 14 1909:00	2025 Jan 14 2003:18	UNSEEN	F	512	513	97.45	In Earth orbit
168	862655	2025-009AY	FGN-100-d1	2025 Jan 14 1909:00	2025 Jan 14 2011:11	FERG	TR	512	519	97.44	In Earth orbit
169	862656	2025-009AZ	PARUS-T1	2025 Jan 14 1909:00	2025 Jan 14 2006:25	TASAPYRAS	J	512	522	97.44	In Earth orbit
170	862657	2025-009BA	TES-22	2025 Jan 14 1909:00	2025 Jan 14 2004:25	ARC	US	511	513	97.44	In Earth orbit
171	862658	2025-009BB	TROLL	2025 Jan 14 1909:00	2025 Jan 14 2006:04	TRLS	CZ	511	514	97.44	In Earth orbit
172	862659	2025-009BC	Flock 4g-4	2025 Jan 14 1909:00	2025 Jan 14 2026:25	PLAN	US	512	517	97.44	In Earth orbit
173	862660	2025-009BD	Flock 4g-6	2025 Jan 14 1909:00	2025 Jan 14 2022:17	PLAN	US	512	517	97.44	In Earth orbit
174	862661	2025-009BE	Flock 4g-2	2025 Jan 14 1909:00	2025 Jan 14 2024:35	PLAN	US	511	518	97.44	In Earth orbit
175	862662	2025-009BF	W-2	2025 Jan 14 1909:00	2025 Jan 14 2018:35	VARDA	US	512	518	97.44	Reentered
176	862663	2025-009BG	Flock 4g-5	2025 Jan 14 1909:00	2025 Jan 14 2020:32	PLAN	US	511	518	97.44	In Earth orbit
177	862664	2025-009BH	Lyra-1	2025 Jan 14 1909:00	2025 Jan 14 2017:43	ECHOAU	AU	512	518	97.44	In Earth orbit

178	193	862665	2025-009BJ	Jay D2	2025 Jan 14 1909:00	2025 Jan 14 2016:49	DRDC/UTIAS	CA	512	518	97.44	In Earth orbit
179	194	862666	2025-009BK	Flock 4g-1	2025 Jan 14 1909:00	2025 Jan 14 2016:42	PLAN	US	511	518	97.45	In Earth orbit
180	195	862667	2025-009BL	Flock 4g-14	2025 Jan 14 1909:00	2025 Jan 14 2011:33	DRDC/UTIAS	CA	512	519	97.44	In Earth orbit
181	196	862668	2025-009BM	Jay C	2025 Jan 14 1909:00	2025 Jan 14 2016:16	DRDC/UTIAS	CA	512	519	97.45	In Earth orbit
182	197	862669	2025-009BN	Jay D1	2025 Jan 14 1909:00	2025 Jan 14 2011:37	DRDC/UTIAS	CA	512	519	97.45	In Earth orbit
183	198	862670	2025-009BP	Flock 4g-10	2025 Jan 14 1909:00	2025 Jan 14 2009:57	PLAN	US	512	518	97.44	In Earth orbit
184	199	862671	2025-009BQ	SkyBee-AO1	2025 Jan 14 1909:00	2025 Jan 14 2010:53	CNSTR	D	512	519	97.45	In Earth orbit
185	200	862672	2025-009BR	Skylink-2	2025 Jan 14 1909:00	2025 Jan 22?	HELLO	TR	512	520	97.44	In Earth orbit
186	201	862673	2025-009BS	LFO Express 2	2025 Jan 14 1909:00	2025 Jan 14 2009:41	IMPUL	US	512	520	97.45	In Earth orbit
187	202	862674	2025-009BT	FUSION 1	2025 Jan 14 1909:00	2025 Jan 14 2014:27	SEIREN	J	512	513	97.44	In Earth orbit
188	203	862675	2025-009BU	Flock 4g-36	2025 Jan 14 1909:00	2025 Jan 14 2010:03	PLAN	US	512	519	97.45	In Earth orbit
189	204	862676	2025-009BV	FOSSASAT F0019	2025 Jan 14 1909:00	2025 Jan 14 2009:06	FOSSA	E	512	520	97.44	In Earth orbit
190	205	862677	2025-009BW	Elevation-1	2025 Jan 14 1909:00	2025 Jan 14 2005:20	ALMAG/XDLINX	UK	512	520	97.44	In Earth orbit
191	206	862678	2025-009BX	Flock 4g-15	2025 Jan 14 1909:00	2025 Jan 14 2007:35	PLAN	US	511	518	97.45	In Earth orbit
192	207	862679	2025-009BY	Flock 4g-30	2025 Jan 14 1909:00	2025 Jan 14 2015:15	PLAN	US	512	519	97.44	In Earth orbit
193	208	862680	2025-009BZ	Flock 4g-18	2025 Jan 14 1909:00	2025 Jan 14 2015:31	PLAN	US	511	519	97.45	In Earth orbit
194	209	862681	2025-009CA	Flock 4g-17	2025 Jan 14 1909:00	2025 Jan 14 2012:34	PLAN	US	511	519	97.44	In Earth orbit
195	210	862682	2025-009CB	OT-FORREST-3 BIOERNTBW	2025 Jan 14 1909:00	2025 Jan 14 2009:25	ORORA	D	512	520	97.44	In Earth orbit
196	211	862683	2025-009CC	Flock 4g-35	2025 Jan 14 1909:00	2025 Jan 14 2006:15	PLAN	US	512	519	97.44	In Earth orbit
197	212	862684	2025-009CD	IRIS-F2	2025 Jan 14 1909:00	2025 Jan 14 2006:43	NCKU	TW	512	520	97.44	In Earth orbit
198	213	862685	2025-009CE	Flock 4g-33	2025 Jan 14 1909:00	2025 Jan 14 2007:01	PLAN	US	511	520	97.44	In Earth orbit
199	214	862686	2025-009CF	FOSSASAT F0018	2025 Jan 14 1909:00	2025 Jan 14 2009:06	FOSSA	E	512	521	97.44	In Earth orbit
200	215	862687	2025-009CG	Hypp AGH	2025 Jan 14 1909:00	2025 Jan 22?	AGHU	PL	507	510	97.45	Reentered
201	216	862688	2025-009CH	BlueBon	2025 Jan 14 1909:00	2025 Jan 14 2009:00	SATRV/TPHX	PL	510	514	97.45	In Earth orbit
202	217	862689	2025-009CI	LOGSATS-2	2025 Jan 14 1909:00	2025 Jan 22?	PATIN	T	510	511	97.44	In Earth orbit
203	218	862690	2025-009CK	HADS-R	2025 Jan 14 1909:00	2025 Jan 22?	AMEA/HYDRA	E	510	514	97.42	Reentered
204	219	862691	2025-009CL	Poquito	2025 Jan 14 1909:00	2025 Jan 22?	ULUX	L	511	517	97.42	In Earth orbit
205	220	862692	2025-009CM	HYDRA-T	2025 Jan 14 1909:00	2025 Jan 22?	AMEA/HYDRA	E	510	514	97.42	Reentered
206	221	862693	2025-009CN	Skylink-1	2025 Jan 14 1909:00	2025 Jan 22?	HELLO	TR	511	514	97.46	In Earth orbit
207	222	862694	2025-009CP	Lemur-2 Wilson	2025 Jan 14 1909:00	2025 Jan 14 2127:21	SPIRE	US	591	595	97.75	In Earth orbit
208	223	862695	2025-009CQ	Connecta IOT-8	2025 Jan 14 1909:00	2025 Jan 14 2129:58	PLNSSI	TR	592	594	97.75	In Earth orbit
209	224	862696	2025-009CR	Lemur-2 Star-Fox	2025 Jan 14 1909:00	2025 Jan 14 2127:42	SPIRE	US	592	594	97.75	In Earth orbit
210	225	862697	2025-009CS	IRIDE-MS2-HEO-1	2025 Jan 14 1909:00	2025 Jan 14 2128:21	ASI/ARGOT	I	592	594	97.75	In Earth orbit
211	226	862698	2025-009CT	ICEYE-X42	2025 Jan 14 1909:00	2025 Jan 14 2128:43	SP42	UAE	590	592	97.75	In Earth orbit
212	227	862699	2025-009CU	Lemur-2 Arianna	2025 Jan 14 1909:00	2025 Jan 14 2128:57	SPIRE	US	591	594	97.75	In Earth orbit
213	228	862700	2025-009CV	ICEYE-X41	2025 Jan 14 1909:00	2025 Jan 14 2129:06	ICEUS	US	589	592	97.75	In Earth orbit
214	229	862701	2025-009CW	Firefly 1	2025 Jan 14 1909:00	2025 Jan 14 2129:19	PIXX	IN	592	593	97.75	In Earth orbit
215	230	862702	2025-009CX	NORSAT-4	2025 Jan 14 1909:00	2025 Jan 14 2127:49	NSC	N	591	593	97.75	In Earth orbit
216	231	862703	2025-009CY	Connecta IOT-5	2025 Jan 14 1909:00	2025 Jan 14 2126:22	PLNSSI	TR	590	593	97.75	In Earth orbit
217	232	862704	2025-009CZ	Firefly 2	2025 Jan 14 1909:00	2025 Jan 14 2131:02	PIXX	IN	591	593	97.75	In Earth orbit
218	233	862705	2025-009DA	ICEYE-X45	2025 Jan 14 1909:00	2025 Jan 14 2128:30	ICEUS	US	592	593	97.75	In Earth orbit
219	234	862706	2025-009DB	Lemur-2 Alisia	2025 Jan 14 1909:00	2025 Jan 14 2130:05	SPIRE	US	590	592	97.76	In Earth orbit
220	235	862707	2025-009DC	ICEYE-X44	2025 Jan 14 1909:00	2025 Jan 14 2128:36	SP42	UAE	592	593	97.75	In Earth orbit
221	236	862708	2025-009DD	Centauri 7	2025 Jan 14 1909:00	2025 Jan 14 2128:21	FLEET	AU	589	592	97.75	In Earth orbit
222	237	862709	2025-009DE	Connecta IOT-6	2025 Jan 14 1909:00	2025 Jan 14 2127:30	PLNSSI	TR	588	592	97.75	In Earth orbit
223	238	862710	2025-009DF	Firefly 3	2025 Jan 14 1909:00	2025 Jan 14 2126:49	PIXX	IN	589	592	97.75	In Earth orbit
224	239	862711	2025-009DG	Lemur-2 RoundTripper	2025 Jan 14 1909:00	2025 Jan 14 2128:13	SPIRE	US	588	593	97.75	In Earth orbit
225	240	862712	2025-009DH	Lemur-2 MyNameIsIeff	2025 Jan 14 1909:00	2025 Jan 14 2126:36	SPIRE	US	589	592	97.75	In Earth orbit
226	241	862713	2025-009DI	SatGus	2025 Jan 14 1909:00	2025 Jan 14 2126:44	CRUNCH	US	588	592	97.75	In Earth orbit
227	242	862714	2025-009DK	Centauri 8	2025 Jan 14 1909:00	2025 Jan 14 2127:01	FLEET	AU	587	592	97.75	In Earth orbit
228	243	862715	2025-009DL	Connecta IOT-7	2025 Jan 14 1909:00	2025 Jan 14 2129:25	PLNSSI	TR	588	592	97.75	In Earth orbit
229	244	863002	2025-009DM	Prometheus	2025 Jan 14 1909:00	2025 Jan 22?	MINHO	P	507	517	97.44	In Earth orbit
230	245	863003	2025-009DN	FOSSASAT F0020	2025 Jan 14 1909:00	2025 Feb 27	FOSSA	E	510	513	97.36	In Earth orbit
231	246	863004	2025-009DP	AlAinSat-1	2025 Jan 14 1909:00	2025 Jan 14 2010:31	UAEU	UAE	512	520	97.45	Reentered
232	247	863153	2025-009DQ	Sedna-2	2025 Jan 14 1909:00	2025 Feb 26 1030?	CLAAC	UK	552	567	97.50	In Earth orbit
233	248	863488	2025-009DR	POSAT-2	2025 Jan 14 1909:00	2025 Mar 25	LUSO	P	553	565	97.52	In Earth orbit
234	249	A116443	2025-009DU	Flock 4g-19	2025 Jan 14 1909:00	2025 Jan 14 2003:57	PLAN	US	512	520	97.44	In Earth orbit
235	250	862716	2025-010A	Blue Ghost	2025 Jan 15 07:16:44	2025 Jan 15 07:16:44	FFLY	US	179	322453	35.04	Luna
236	251	862717	2025-010B	Resilience	2025 Jan 15 06:11	2025 Jan 15 06:11	ISPACE	J	186	362529	35.17	Luna
237	252	862720	2025-011A	Blue Ring Pathfinder	2025 Jan 16 07:03	2025 Jan 15 07:43:49	BLOR	PK	2409	19224	30.00	Attached to New Glenn GS2 F1
238	253	862725	2025-012A	PRSC-E01	2025 Jan 17 04:07	2025 Jan 17 04:17?	SUPA	PK	516	528	97.48	In Earth orbit
239	254	862726	2025-012B	Tianlu-1	2025 Jan 17 04:07	2025 Jan 17 04:17?	JHQJXINHE	CN	516	528	97.48	In Earth orbit
240	255	862727	2025-012C	Lantian-1	2025 Jan 17 04:07	2025 Jan 17 04:17?	HANGZ	CN	516	529	97.49	In Earth orbit
241	256	862729	2025-013A	Yunyao-1 37	2025 Jan 20 10:11	2025 Jan 20 10:28?	YYAO	CN	528	547	97.61	In Earth orbit
242	257	862730	2025-013B	Yunyao-1 38	2025 Jan 20 10:11	2025 Jan 20 10:28?	YYAO	CN	528	548	97.61	In Earth orbit
243	258	862731	2025-013C	Yunyao-1 39	2025 Jan 20 10:11	2025 Jan 20 10:28?	YYAO	CN	527	547	97.61	In Earth orbit

244	244	259	862732	2025-013D	?	Yunyao-1 40	2025 Jan 20 1011	2025 Jan 20 1028?	YYAO	CN	527	97.61	In Earth orbit
245	245	260	862733	2025-013E	?	Jitanxing A-05 xing	2025 Jan 20 1011	2025 Jan 20 1028?	JTXZ	CN	527	97.61	In Earth orbit
246	246	261	862734	2025-014A		Starlink 32806	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	310	43.01	In Earth orbit
247	247	262	862735	2025-014B		Starlink 32807	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	310	43.01	In Earth orbit
248	248	263	862736	2025-014C		Starlink 32774	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	309	43.01	In Earth orbit
249	249	264	862737	2025-014D		Starlink 32802	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	310	43.01	In Earth orbit
250	250	265	862738	2025-014E		Starlink 32796	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	309	43.01	In Earth orbit
251	251	266	862739	2025-014F		Starlink 32805	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	309	43.01	In Earth orbit
252	252	267	862740	2025-014G		Starlink 32808	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	308	43.01	In Earth orbit
253	253	268	862741	2025-014H		Starlink 32770	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	310	43.01	In Earth orbit
254	254	269	862742	2025-014I		Starlink 32775	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	308	43.01	In Earth orbit
255	255	270	862743	2025-014J		Starlink 32800	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	307	43.01	In Earth orbit
256	256	271	862744	2025-014K		Starlink 32758	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	307	43.01	In Earth orbit
257	257	272	862745	2025-014L		Starlink 32746	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	309	43.01	In Earth orbit
258	258	273	862746	2025-014M		Starlink 32780	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	306	43.01	In Earth orbit
259	259	274	862747	2025-014N		Starlink 32765	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	306	43.01	In Earth orbit
260	260	275	862748	2025-014P		Starlink 32762	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	305	43.01	In Earth orbit
261	261	276	862749	2025-014Q		Starlink 32761	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	305	43.01	In Earth orbit
262	262	277	862750	2025-014R		Starlink 32763	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	304	43.01	In Earth orbit
263	263	278	862751	2025-014S		Starlink 32759	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	304	43.01	In Earth orbit
264	264	279	862752	2025-014T		Starlink 32756	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	303	43.01	In Earth orbit
265	265	280	862753	2025-014U		Starlink 32751	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	303	43.01	In Earth orbit
266	266	281	862754	2025-014V		Starlink 32740	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	303	43.01	In Earth orbit
267	267	282	862755	2025-014W		Starlink 32745	2025 Jan 21 0524:50	2025 Jan 21 0630:15	SPXS	US	303	43.01	In Earth orbit
268	268	283	862756	2025-014X		USA 485	2025 Jan 21 0524:50	2025 Jan 21 0630:15	NROC	US	309	43.01	In Earth orbit
269	269	284	862757	2025-014Y		USA 486	2025 Jan 21 0524:50	2025 Jan 21 0630:15	NROC	US	309	43.01	In Earth orbit
270	270	285	862758	2025-015A		Starlink 33596	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	264	53.16	In Earth orbit
271	271	286	862759	2025-015B		Starlink 33589	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	279	53.16	In Earth orbit
272	272	287	862760	2025-015C		Starlink 33575	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	280	53.16	In Earth orbit
273	273	288	862761	2025-015D		Starlink 33584	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	278	53.16	In Earth orbit
274	274	289	862762	2025-015E		Starlink 33577	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	278	53.16	In Earth orbit
275	275	290	862763	2025-015F		Starlink 33597	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	278	53.16	In Earth orbit
276	276	291	862764	2025-015G		Starlink 33579	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	277	53.16	In Earth orbit
277	277	292	862765	2025-015H		Starlink 33592	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	277	53.16	In Earth orbit
278	278	293	862766	2025-015I		Starlink 33595	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	277	53.16	In Earth orbit
279	279	294	862767	2025-015J		Starlink 33572	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	278	53.16	In Earth orbit
280	280	295	862768	2025-015L		Starlink 33601	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	276	53.16	In Earth orbit
281	281	296	862769	2025-015M		Starlink 33569	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	276	53.16	In Earth orbit
282	282	297	862770	2025-015N		Starlink 33594	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	276	53.16	In Earth orbit
283	283	298	862771	2025-015P		Starlink 33598	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	276	53.16	In Earth orbit
284	284	299	862772	2025-015Q		Starlink 33600	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	275	53.16	In Earth orbit
285	285	300	862773	2025-015R		Starlink 33567	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	275	53.16	In Earth orbit
286	286	301	862774	2025-015S		Starlink 33574	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	275	53.16	In Earth orbit
287	287	302	862775	2025-015T		Starlink 33576	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	275	53.16	In Earth orbit
288	288	303	862776	2025-015U		Starlink 33570	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	274	53.16	In Earth orbit
289	289	304	862777	2025-015V		Starlink 33591	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	275	53.16	In Earth orbit
290	290	305	862778	2025-015W		Starlink 33573	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	275	53.16	In Earth orbit
291	291	306	862779	2025-015X		Starlink 33568	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	273	53.16	In Earth orbit
292	292	307	862780	2025-015Y		Starlink 33593	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	273	53.16	In Earth orbit
293	293	308	862781	2025-015Z		Starlink 33588	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	273	53.16	In Earth orbit
294	294	309	862782	2025-015AA		Starlink 33585	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	273	53.16	In Earth orbit
295	295	310	862783	2025-015AB		Starlink 33582	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	272	53.16	In Earth orbit
296	296	311	862784	2025-015AC		Starlink 33581	2025 Jan 21 1545:50	2025 Jan 21 1647:32	SPXS	US	272	53.16	In Earth orbit
297	297	312	862785	2025-016A		Quantian Jigui 06-01	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	816	88.99	In Earth orbit
298	298	313	862786	2025-016B		Quantian Jigui 06-02	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	792	81.5	In Earth orbit
299	299	314	862787	2025-016C		Quantian Jigui 06-03	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	815	88.99	In Earth orbit
300	300	315	862788	2025-016D		Quantian Jigui 06-04	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	815	88.99	In Earth orbit
301	301	316	862789	2025-016E		Quantian Jigui 06-05	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	820	88.99	In Earth orbit
302	302	317	862790	2025-016F		Quantian Jigui 06-06	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	815	88.99	In Earth orbit
303	303	318	862791	2025-016G		Quantian Jigui 06-07	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	816	88.99	In Earth orbit
304	304	319	862792	2025-016H		Quantian Jigui 06-08	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	816	88.99	In Earth orbit
305	305	320	862793	2025-016I		Quantian Jigui 06-09	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	792	81.4	In Earth orbit
306	306	321	862794	2025-016K		Quantian Jigui 06-10	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	825	88.99	In Earth orbit
307	307	322	862795	2025-016L		Quantian Jigui 06-11	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	791	81.4	In Earth orbit
308	308	323	862796	2025-016M		Quantian Jigui 06-12	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	814	88.99	In Earth orbit
309	309	324	862797	2025-016N		Quantian Jigui 06-13	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	792	81.4	In Earth orbit
			862798	2025-016P		Quantian Jigui 06-14	2025 Jan 23 0515	2025 Jan 23 0549?	YUANX	CN	814	88.99	In Earth orbit

310	310	562799	2025-016Q	Quantan Jigui 06-15	2025 Jan 23 0515	2025 Jan 23 0549P	YUANX	CN	784	816	88.99	In Earth orbit
311	311	562800	2025-016R	Quantan Jigui 06-16	2025 Jan 23 0515	2025 Jan 23 0549P	YUANX	CN	791	813	88.99	In Earth orbit
312	312	562801	2025-016S	Quantan Jigui 06-17	2025 Jan 23 0515	2025 Jan 23 0549P	YUANX	CN	793	818	88.99	In Earth orbit
313	313	562802	2025-016T	Quantan Jigui 06-18	2025 Jan 23 0515	2025 Jan 23 0549P	YUANX	CN	645	791	89.03	In Earth orbit
314	329	562804	2025-017A	Tongxin Jishu Shiyuan 14	2025 Jan 23 1532	2025 Jan 23 1557P	ZLZB	CN	35790	35790	1.88	In Earth orbit
315	330	562806	2025-018A	Starlink 32883	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
316	331	562807	2025-018B	Starlink 32886	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
317	332	562808	2025-018C	Starlink 32848	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
318	333	562809	2025-018D	Starlink 32787	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
319	334	562810	2025-018E	Starlink 32851	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
320	335	562811	2025-018F	Starlink 32847	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
321	336	562812	2025-018G	Starlink 32837	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
322	337	562813	2025-018H	Starlink 32855	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
323	338	562814	2025-018J	Starlink 32843	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
324	339	562815	2025-018K	Starlink 32845	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
325	340	562816	2025-018L	Starlink 32854	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	281	53.15	In Earth orbit
326	341	562817	2025-018M	Starlink 32824	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
327	342	562818	2025-018N	Starlink 32853	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
328	343	562819	2025-018P	Starlink 32856	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
329	344	562820	2025-018Q	Starlink 32844	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
330	345	562821	2025-018R	Starlink 32782	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
331	346	562822	2025-018S	Starlink 32842	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
332	347	562823	2025-018T	Starlink 32823	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
333	348	562824	2025-018U	Starlink 32852	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
334	349	562825	2025-018V	Starlink 32825	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
335	350	562826	2025-018W	Starlink 32704	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
336	351	562827	2025-018X	Starlink 32838	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	267	280	53.15	In Earth orbit
337	352	562828	2025-018Y	Starlink 32727	2025 Jan 24 1407	2025 Jan 24 1511:04	SPXS	US	266	280	53.15	In Earth orbit
338	353	562829	2025-019A	Starlink 11548	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
339	354	562830	2025-019B	Starlink 11480	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.01	In Earth orbit
340	355	562831	2025-019C	Starlink 11559	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
341	356	562832	2025-019D	Starlink 11554	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
342	357	562833	2025-019E	Starlink 11549	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
343	358	562834	2025-019F	Starlink 11520	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
344	359	562835	2025-019G	Starlink 11546	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	284	292	43.00	In Earth orbit
345	360	562836	2025-019H	Starlink 11533	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	284	292	43.00	In Earth orbit
346	361	562837	2025-019J	Starlink 11557	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	284	292	43.00	In Earth orbit
347	362	562838	2025-019K	Starlink 11556	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	284	292	43.00	In Earth orbit
348	363	562839	2025-019L	Starlink 11524	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	284	292	43.00	In Earth orbit
349	364	562840	2025-019M	Starlink 11524	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	284	292	43.00	In Earth orbit
350	365	562841	2025-019N	Starlink 11531	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	284	291	43.00	In Earth orbit
351	366	562842	2025-019P	Starlink 32755	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
352	367	562843	2025-019Q	Starlink 32797	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
353	368	562844	2025-019R	Starlink 32794	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
354	369	562845	2025-019S	Starlink 32807	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
355	370	562846	2025-019T	Starlink 32804	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
356	371	562847	2025-019U	Starlink 32799	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
357	372	562848	2025-019V	Starlink 32781	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
358	373	562849	2025-019W	Starlink 32809	2025 Jan 27 2205:00	2025 Jan 27 2310:22	SPXS	US	285	292	43.00	In Earth orbit
359	374	562850	2025-020A	NVS-02	2025 Jan 29 0053	2025 Jan 29 0112	ISRO	IN	190	37409	21.02	In Earth orbit
360	375	562852	2025-021A	Spansat NG-1	2025 Jan 30 0205	2025 Jan 30 0205	HISD	E	471	68525	26.82	In Earth orbit
361	376	562854	2025-022A	Starlink 32868	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
362	377	562855	2025-022B	Starlink 32867	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
363	378	562856	2025-022C	Starlink 32860	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
364	379	562857	2025-022D	Starlink 32873	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	279	293	53.15	In Earth orbit
365	380	562858	2025-022E	Starlink 32866	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	279	293	53.15	In Earth orbit
366	381	562859	2025-022F	Starlink 32869	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
367	382	562860	2025-022G	Starlink 32831	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
368	383	562861	2025-022H	Starlink 32859	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
369	384	562862	2025-022I	Starlink 32864	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
370	385	562863	2025-022J	Starlink 32808	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
371	386	562864	2025-022L	Starlink 32862	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	279	293	53.15	In Earth orbit
372	387	562865	2025-022M	Starlink 32861	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	279	293	53.15	In Earth orbit
373	388	562866	2025-022N	Starlink 32845	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	279	293	53.15	In Earth orbit
374	389	562867	2025-022P	Starlink 32826	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	278	293	53.15	In Earth orbit
375	390	562868	2025-022Q	Starlink 32842	2025 Feb 1 2302:10	2025 Feb 2 0003:23	SPXS	US	279	293	53.15	In Earth orbit

442	442	562954	2025-029G	Starlink 32874	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	275	288	53.15	In Earth orbit
443	458	562955	2025-029H	Starlink 32880	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	275	288	53.15	In Earth orbit
444	459	562956	2025-029J	Starlink 32815	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	275	288	53.15	In Earth orbit
445	460	562957	2025-029K	Starlink 32879	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	275	288	53.15	In Earth orbit
446	461	562958	2025-029L	Starlink 32885	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
447	462	562959	2025-029M	Starlink 32886	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	275	288	53.15	In Earth orbit
448	463	562960	2025-029N	Starlink 32877	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
449	464	562961	2025-029P	Starlink 32889	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
450	465	562962	2025-029Q	Starlink 32858	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
451	466	562963	2025-029R	Starlink 32882	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
452	467	562964	2025-029S	Starlink 32887	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
453	468	562965	2025-029T	Starlink 32836	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
454	469	562966	2025-029U	Starlink 32888	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
455	470	562967	2025-029V	Starlink 32897	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
456	471	562968	2025-029W	Starlink 32863	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
457	472	562969	2025-029X	Starlink 32894	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
458	473	562970	2025-029Y	Starlink 32826	2025 Feb 11 02:09:00	2025 Feb 11 03:10:57	SPXS	US	274	288	53.15	In Earth orbit
459	474	562971	2025-030A	WHDW 02-01	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	862	874	50.00	In Earth orbit
460	475	562972	2025-030B	WHDW 02-02	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	861	874	49.99	In Earth orbit
461	476	562973	2025-030C	WHDW 02-03	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	862	872	50.00	In Earth orbit
462	477	562974	2025-030D	WHDW 02-04	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	861	872	50.00	In Earth orbit
463	478	562975	2025-030E	WHDW 02-05	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	863	872	50.00	In Earth orbit
464	479	562976	2025-030F	WHDW 02-06	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	860	871	50.00	In Earth orbit
465	480	562977	2025-030G	WHDW 02-07	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	861	870	50.01	In Earth orbit
466	481	562978	2025-030H	WHDW 02-08	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	860	871	50.00	In Earth orbit
467	482	562979	2025-030J	WHDW 02-09	2025 Feb 11 09:30	2025 Feb 11 09:50	ZXW	CN	861	869	50.00	In Earth orbit
468	483	562981	2025-031A	Starlink 11543	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	285	292	43.01	In Earth orbit
469	484	562982	2025-031B	Starlink 11458	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
470	485	562983	2025-031C	Starlink 11417	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	285	292	43.01	In Earth orbit
471	486	562984	2025-031D	Starlink 11544	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
472	487	562985	2025-031E	Starlink 11582	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
473	488	562986	2025-031F	Starlink 11571	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
474	489	562987	2025-031G	Starlink 11539	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
475	490	562988	2025-031H	Starlink 11573	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
476	491	562989	2025-031J	Starlink 11572	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
477	492	562990	2025-031K	Starlink 11572	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
478	493	562991	2025-031L	Starlink 11583	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
479	494	562992	2025-031M	Starlink 11570	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
480	495	562993	2025-031N	Starlink 11576	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
481	496	562994	2025-031P	Starlink 32899	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
482	497	562995	2025-031Q	Starlink 32819	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
483	498	562996	2025-031R	Starlink 32703	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
484	499	562997	2025-031S	Starlink 32881	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
485	500	562998	2025-031T	Starlink 32898	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
486	501	562999	2025-031U	Starlink 32658	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
487	502	563000	2025-031V	Starlink 32673	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
488	503	563001	2025-031W	Starlink 32437	2025 Feb 11 18:53:20	2025 Feb 11 19:58:42	SPXS	US	284	292	43.01	In Earth orbit
489	504	563002	2025-032A	Starlink 11448	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	286	291	43.01	In Earth orbit
490	505	563003	2025-032B	Starlink 11553	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
491	506	563004	2025-032C	Starlink 11526	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
492	507	563005	2025-032D	Starlink 11405	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
493	508	563006	2025-032E	Starlink 11586	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
494	509	563007	2025-032F	Starlink 11574	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
495	510	563008	2025-032G	Starlink 11580	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
496	511	563009	2025-032H	Starlink 11449	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
497	512	563010	2025-032I	Starlink 11577	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
498	513	563011	2025-032J	Starlink 11578	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
499	514	563012	2025-032K	Starlink 11541	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
500	515	563013	2025-032L	Starlink 11545	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
501	516	563014	2025-032M	Starlink 11400	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
502	517	563015	2025-032N	Starlink 11400	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
503	518	563016	2025-032P	Starlink 32870	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
504	519	563017	2025-032Q	Starlink 32872	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
505	520	563018	2025-032R	Starlink 32677	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
506	521	563019	2025-032S	Starlink 32929	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
507	522	563020	2025-032T	Starlink 32944	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit
508		563021	2025-032U	Starlink 32944	2025 Feb 15 06:14:10	2025 Feb 15 07:19:37	SPXS	US	285	291	43.01	In Earth orbit

574	574	2025-0375	Starlink 32900	2025 Feb 23 01:38:20	2025 Feb 23 02:39:52	SPXS	US	265	280	70.00	In Earth orbit
575	590	2025-037T	Starlink 32927	2025 Feb 23 01:38:20	2025 Feb 23 02:39:52	SPXS	US	265	280	70.00	In Earth orbit
576	591	2025-037U	Starlink 32907	2025 Feb 23 01:38:20	2025 Feb 23 02:39:52	SPXS	US	265	280	70.00	In Earth orbit
577	592	2025-037V	Starlink 32911	2025 Feb 23 01:38:20	2025 Feb 23 02:39:52	SPXS	US	265	280	70.00	In Earth orbit
578	593	2025-037W	Starlink 32923	2025 Feb 23 01:38:20	2025 Feb 23 02:39:52	SPXS	US	264	280	70.00	In Earth orbit
579	594	2025-037X	Starlink 32913	2025 Feb 23 01:38:20	2025 Feb 23 02:39:52	SPXS	US	265	280	70.00	In Earth orbit
580	595	2025-038A	IM-2 Athena	2025 Feb 27 00:16:30	2025 Feb 27 01:00:15	INTMA	US	211	367501	28.52	Luna
581	596	2025-038B	Chimera GEO 1	2025 Feb 27 00:16:30	2025 Feb 27 01:04:45	CTI/JPL	UY	211	367501	28.52	In Earth orbit
582	597	2025-038C	Lunar Trailblazer	2025 Feb 27 00:16:30	2025 Feb 27 01:04:25	CITY/JPL	UY	215	361591	28.50	Sun
583	598	2025-038D	Odin	2025 Feb 27 01:04:25	2025 Feb 27 01:04:04	AFORGE	US	212	364700	28.51	Sun
584	-	2025-038E	Orbit Guard 2	2025 Feb 27 00:16:30	-	INFORB	F	211	367501	28.52	Attached to Chimera GEO 1
585	599	2025-039A	Starlink 11629	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
586	600	2025-039B	Starlink 11624	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
587	601	2025-039C	Starlink 11584	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
588	602	2025-039D	Starlink 11627	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
589	603	2025-039E	Starlink 11632	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
590	604	2025-039F	Starlink 11625	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
591	605	2025-039G	Starlink 11601	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
592	606	2025-039H	Starlink 11630	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
593	607	2025-039J	Starlink 11590	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
594	608	2025-039K	Starlink 11598	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
595	609	2025-039L	Starlink 11600	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
596	610	2025-039M	Starlink 11597	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
597	611	2025-039N	Starlink 11591	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
598	612	2025-039P	Starlink 32955	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
599	613	2025-039Q	Starlink 32945	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
600	614	2025-039R	Starlink 32941	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
601	615	2025-039S	Starlink 32942	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
602	616	2025-039T	Starlink 32947	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
603	617	2025-039U	Starlink 32961	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
604	618	2025-039V	Starlink 32948	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
605	619	2025-039W	Starlink 32957	2025 Feb 27 03:34:20	2025 Feb 27 04:39:42	SPXS	US	283	292	43.01	In Earth orbit
606	620	2025-040A	Sweet Gaoping 1-03	2025 Feb 27 07:08	2025 Feb 27 07:20	SIWEI	CN	489	505	97.31	In Earth orbit
607	621	2025-040B	Sweet Gaoping 1-04	2025 Feb 27 07:08	2025 Feb 27 07:20	SIWEI	CN	489	506	97.31	In Earth orbit
608	622	2025-041B	Progress MS-30	2025 Feb 27 21:33:16	2025 Feb 27 21:33:16	RKKE	RU	309	317	51.63	Deorbited
609	623	2025-042A	Kosmos-2584	2025 Mar 3 02:22:16	2025 Mar 3 02:29:16	VVKOV/IACG	RU	19118	64.85	19148	In Earth orbit
610	624	2025-043A	Starlink 11609	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
611	625	2025-043B	Starlink 11604	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
612	626	2025-043C	Starlink 11605	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
613	627	2025-043D	Starlink 11613	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
614	628	2025-043E	Starlink 11613	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
615	629	2025-043F	Starlink 11616	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
616	630	2025-043G	Starlink 11611	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
617	631	2025-043H	Starlink 11628	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
618	632	2025-043J	Starlink 11607	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
619	633	2025-043K	Starlink 11522	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
620	634	2025-043L	Starlink 11503	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	285	292	43.01	In Earth orbit
621	635	2025-043M	Starlink 11579	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	292	43.01	In Earth orbit
622	636	2025-043N	Starlink 11581	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	292	43.01	In Earth orbit
623	637	2025-043P	Starlink 32949	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	291	43.00	In Earth orbit
624	638	2025-043Q	Starlink 32952	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	292	43.00	In Earth orbit
625	639	2025-043R	Starlink 32956	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	292	43.00	In Earth orbit
626	640	2025-043S	Starlink 32937	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	291	43.00	In Earth orbit
627	641	2025-043T	Starlink 32939	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	291	43.01	In Earth orbit
628	642	2025-043U	Starlink 32919	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	292	43.01	In Earth orbit
629	643	2025-043V	Starlink 32876	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	291	43.01	In Earth orbit
630	644	2025-043W	Starlink 32915	2025 Mar 3 02:24:00	2025 Mar 3 03:29:16	SPXS	US	284	291	43.01	In Earth orbit
631	645	2025-044A	CSO-3	2025 Mar 6 16:24	2025 Mar 6 17:30	DGA/CNSES	F	801	804	98.61	In Earth orbit
632	646	2025-045A	Tongxin Jishu Shiyuan 15	2025 Mar 9 17:17	2025 Mar 9 17:42	ZLZB	CN	35775	0.15	35775	In Earth orbit
633	647	2025-045A	Qianfan 05-01	2025 Mar 11 16:38	2025 Mar 11 17:30	YUANX	CN	903	923	88.99	In Earth orbit
634	648	2025-046B	Qianfan 05-02	2025 Mar 11 16:38	2025 Mar 11 17:30	YUANX	CN	917	933	88.99	In Earth orbit
635	649	2025-046C	Qianfan 05-03	2025 Mar 11 16:38	2025 Mar 11 17:30	YUANX	CN	908	928	88.99	In Earth orbit
636	650	2025-046D	Qianfan 05-04	2025 Mar 11 16:38	2025 Mar 11 17:30	YUANX	CN	922	942	88.99	In Earth orbit
637	651	2025-046E	Qianfan 05-05	2025 Mar 11 16:38	2025 Mar 11 17:30	YUANX	CN	897	918	88.99	In Earth orbit
638	652	2025-046F	Qianfan 05-06	2025 Mar 11 16:38	2025 Mar 11 17:30	YUANX	CN	900	920	88.99	In Earth orbit
639	653	2025-046G	Qianfan 05-07	2025 Mar 11 16:38	2025 Mar 11 17:30	YUANX	CN	914	934	88.99	In Earth orbit

640	640	2025-046H	Quantian 05-08	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	896	917	88.99	In Earth orbit
641	655	2025-046J	Quantian 05-09	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	904	925	88.99	In Earth orbit
642	656	2025-046K	Quantian 05-10	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	904	924	88.99	In Earth orbit
643	657	2025-046L	Quantian 05-11	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	914	936	89.00	In Earth orbit
644	658	2025-046M	Quantian 05-12	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	917	937	88.99	In Earth orbit
645	659	2025-046N	Quantian 05-13	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	909	929	88.99	In Earth orbit
646	660	2025-046P	Quantian 05-14	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	895	916	88.99	In Earth orbit
647	661	2025-046Q	Quantian 05-15	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	893	914	88.99	In Earth orbit
648	662	2025-046R	Quantian 05-16	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	896	916	88.99	In Earth orbit
649	663	2025-046S	Quantian 05-17	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	893	913	88.99	In Earth orbit
650	664	2025-046T	Quantian 05-18	2025 Mar 11 1638	2025 Mar 11 1730?	YUANX	CN	894	915	88.99	In Earth orbit
651	665	2025-047A	PUNCH-NFI	2025 Mar 12 0310:12	2025 Mar 12 0402:28	SWR/GSFC	US	637	661	97.96	In Earth orbit
652	666	2025-047B	PUNCH-WF1-1	2025 Mar 12 0310:12	2025 Mar 12 0402:28	SWR/GSFC	US	638	662	97.96	In Earth orbit
653	667	2025-047C	PUNCH-WF1-3	2025 Mar 12 0310:12	2025 Mar 12 0403:19	SWR/GSFC	US	638	663	97.96	In Earth orbit
654	668	2025-047D	PUNCH-WF1-2	2025 Mar 12 0310:12	2025 Mar 12 0403:19	SWR/GSFC	US	644	661	97.98	In Earth orbit
655	669	2025-047E	SPHEREX	2025 Mar 12 0310:12	2025 Mar 12 0352:08	JPL	US	638	658	97.95	In Earth orbit
656	670	2025-048A	Starlink 11602	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	282	289	43.01	In Earth orbit
657	671	2025-048B	Starlink 11617	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	282	289	43.01	In Earth orbit
658	672	2025-048C	Starlink 11618	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	282	289	43.01	In Earth orbit
659	673	2025-048D	Starlink 11644	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
660	674	2025-048E	Starlink 11622	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
661	675	2025-048F	Starlink 11646	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
662	676	2025-048G	Starlink 11629	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
663	677	2025-048H	Starlink 11637	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
664	678	2025-048J	Starlink 11647	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
665	679	2025-048K	Starlink 11645	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
666	680	2025-048L	Starlink 11635	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
667	681	2025-048M	Starlink 11636	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
668	682	2025-048N	Starlink 11631	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
669	683	2025-048P	Starlink 32946	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
670	684	2025-048Q	Starlink 32960	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
671	685	2025-048R	Starlink 32904	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
672	686	2025-048S	Starlink 32931	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
673	687	2025-048T	Starlink 32938	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
674	688	2025-048U	Starlink 32938	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
675	689	2025-048V	Starlink 32935	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
676	690	2025-048W	Starlink 32930	2025 Mar 13 0235:30	2025 Mar 13 0340:46	SPXS	US	281	289	43.01	In Earth orbit
677	691	2025-049A	Dragon Endurance (Crew-10)	2025 Mar 14 2303:48	2025 Mar 14 2358:55	SPX	US	210	242	51.65	Landed
678	692	2025-050A	Susano-1	2025 Mar 15 0000	2025 Mar 15 0055	QPS	J	572	573	42.00	In Earth orbit
679	693	2025-051A	Shwe Gaoping 3-02	2025 Mar 15 0411	2025 Mar 15 0425?	SIWEI	CN	489	502	97.49	In Earth orbit
680	694	2025-051B	Tianyan-23	2025 Mar 15 0411	2025 Mar 15 0425?	TLGJ/ZZQY	CN	489	501	97.49	In Earth orbit
681	695	2025-052A	JinjuSat-1B	2025 Mar 15 0643:00	2025 Mar 15 0737	KTL	KR	511	513	97.44	In Earth orbit
682	696	2025-052B	NUSHSat-1	2025 Mar 15 0643:00	2025 Mar 15 0737	NUSHS	SG	511	513	97.44	In Earth orbit
683	697	2025-052C	Starlink IOD-1	2025 Mar 15 0643:00	2025 Mar 15 0737	STCAL	E	510	513	97.44	In Earth orbit
684	698	2025-052D	? Level 2-9	2025 Mar 15 0643:00	2025 Mar 15 0737	TAU/ISA	IL	510	512	97.44	In Earth orbit
685	699	2025-052E	? Level 2-2	2025 Mar 15 0643:00	2025 Mar 15 0738	TAU/ISA	IL	511	515	97.44	In Earth orbit
686	700	2025-052F	? Level 2-8	2025 Mar 15 0643:00	2025 Mar 15 0737	TAU/ISA	IL	511	511	97.44	In Earth orbit
687	701	2025-052G	Bosat-1	2025 Mar 15 0643:00	2025 Mar 15 0738	BIUST	BW	511	513	97.44	In Earth orbit
688	702	2025-052H	? Level 2-7	2025 Mar 15 0643:00	2025 Mar 15 0737	TAU/ISA	IL	508	513	97.45	In Earth orbit
689	703	2025-052J	? NILA	2025 Mar 15 0643:00	2025 Mar 15 0736	HEX20	IN	508	513	97.45	In Earth orbit
690	704	2025-052K	? RAPSat-1C	2025 Mar 15 0643:00	2025 Mar 15 0739	NSL	US	513	518	97.44	In Earth orbit
691	705	2025-052L	Aerocube 18A	2025 Mar 15 0643:00	2025 Mar 15 0739	AERO	US	512	517	97.44	In Earth orbit
692	706	2025-052M	? Level 2-1	2025 Mar 15 0643:00	2025 Mar 15 0738	TAU/ISA	IL	511	516	97.45	In Earth orbit
693	707	2025-052N	Aerocube 18B	2025 Mar 15 0643:00	2025 Mar 15 0739	AERO	US	512	518	97.45	In Earth orbit
694	708	2025-052P	DRUID.002	2025 Mar 15 0643:00	2025 Mar 15 0740?	TURION	US	512	521	97.44	In Earth orbit
695	709	2025-052Q	W-3	2025 Mar 15 0643:00	2025 Mar 15 0742?	YARDA	US	511	520	97.45	Deorbited
696	710	2025-052R	Tomorrow-S6	2025 Mar 15 0643:00	2025 Mar 15 0741?	TOMIO	US	511	520	97.45	In Earth orbit
697	711	2025-052S	Etihad-SAT	2025 Mar 15 0643:00	2025 Mar 15 0743?	UAE	UAE	511	521	97.44	In Earth orbit
698	712	2025-052T	Clarity-1	2025 Mar 15 0643:00	2025 Mar 15 0748	MBRSC	US	509	515	97.44	In Earth orbit
699	713	2025-052U	RAPSat-1A	2025 Mar 15 0643:00	2025 Mar 15 0739	NSL	US	512	517	97.44	In Earth orbit
700	714	2025-052V	SpaceEye-2	2025 Mar 15 0643:00	2025 Mar 15 0748	SATREC	KR	513	522	97.44	In Earth orbit
701	715	2025-052W	ION Marvelous Mathias	2025 Mar 15 0643:00	2025 Mar 15 0742?	DORBIT	I	511	520	97.44	In Earth orbit
702	716	2025-052X	M-SEL	2025 Mar 15 0643:00	2025 Mar 15 0741?	MITRE	US	511	520	97.45	In Earth orbit
703	717	2025-052Y	Sphinx	2025 Mar 15 0643:00	2025 Mar 15 0740?	VESTIGO/ADIG	US	512	519	97.44	In Earth orbit
704	718	2025-052Z	LizzieSat-3	2025 Mar 15 0643:00	2025 Mar 15 0740?	SIDUS	US	512	520	97.45	In Earth orbit
705	719	2025-052AA	Tomorrow-S5	2025 Mar 15 0643:00	2025 Mar 15 0738	TOMIO	US	511	515	97.45	In Earth orbit

706	2025-052AB	OTP-2	2025 Mar 15 0643:00	2025 Mar 15 0738	ROGUE	US	512	515	97.44	In Earth orbit
707	2025-052AC	OrbAstro-TR5	2025 Mar 15 0643:00	2025 Mar 15 0737	ORBAS/LIFTE	UK	510	512	97.44	In Earth orbit
708	2025-052AD	Level 2-4	2025 Mar 15 0643:00	2025 Mar 15 0739	TAU/ISA	IL	511	517	97.45	In Earth orbit
709	2025-052AE	ORCA-2b	2025 Mar 15 0643:00	2025 Mar 15 0739	DARPA2?	US	512	519	97.44	In Earth orbit
710	2025-052AF	Level 2-3	2025 Mar 15 0643:00	2025 Mar 15 0738	TAU/ISA	IL	511	516	97.45	In Earth orbit
711	2025-052AG	Al Munthar	2025 Mar 15 0643:00	2025 Mar 15 0737	BNSA	BH	511	512	97.44	In Earth orbit
712	2025-052AH	RAP8a1-B	2025 Mar 15 0643:00	2025 Mar 15 0739	NSL	US	512	517	97.45	In Earth orbit
713	2025-052AJ	HERMES Pathfinder H1	2025 Mar 15 0643:00	2025 Mar 24 0704:21	ASI	I	513	520	97.45	In Earth orbit
714	2025-052AK	HERMES Pathfinder H2	2025 Mar 15 0643:00	2025 Mar 25 0649:25	ASI	I	498	514	97.44	In Earth orbit
715	2025-052AL	PANDORE	2025 Mar 15 0643:00	2025 Mar 15 0900	USPACE	F	591	594	97.74	In Earth orbit
716	2025-052AM	Buccaneer-MM	2025 Mar 15 0643:00	2025 Mar 15 0901	NSW/DSTO	AU	591	592	97.74	In Earth orbit
717	2025-052AN	Lemur-2 Letia-Philip	2025 Mar 15 0643:00	2025 Mar 15 0903	SPIRE	US	588	592	97.74	In Earth orbit
718	2025-052AP	EZIE-A	2025 Mar 15 0643:00	2025 Mar 15 0901	APL/JPL	US	591	593	97.74	In Earth orbit
719	2025-052AQ	Lemur-2 Lia-Martin	2025 Mar 15 0643:00	2025 Mar 15 0901	SPIRE	US	591	591	97.74	In Earth orbit
720	2025-052AR	EZIE-B	2025 Mar 15 0643:00	2025 Mar 15 0901	APL/JPL	US	589	591	97.74	In Earth orbit
721	2025-052AS	EZIE-C	2025 Mar 15 0643:00	2025 Mar 15 0901	APL/JPL	US	591	592	97.74	In Earth orbit
722	2025-052AT	UV-Sat NG	2025 Mar 15 0643:00	2025 Mar 15 0901	LATMOS	F	591	593	97.74	In Earth orbit
723	2025-052AU	ARVAKER 1	2025 Mar 15 0643:00	2025 Mar 15 0903	NSC	N	588	591	97.74	In Earth orbit
724	2025-052AV	ICEYE-X48	2025 Mar 15 0643:00	2025 Mar 15 0904	ICEUS	US	586	591	97.74	In Earth orbit
725	2025-052AW	YAM-8	2025 Mar 15 0643:00	2025 Mar 15 0905	LOFT	US	586	591	97.74	In Earth orbit
726	2025-052AX	ICEYE-X50	2025 Mar 15 0643:00	2025 Mar 15 0905	ICEYE	FI	585	591	97.74	In Earth orbit
727	2025-052AY	FireSat0	2025 Mar 15 0643:00	2025 Mar 15 0904	MUON	US	586	591	97.74	In Earth orbit
728	2025-052AZ	ICEYE-X51	2025 Mar 15 0643:00	2025 Mar 15 0905	ICEUS	US	589	591	97.74	In Earth orbit
729	2025-052BA	ICEYE-X46	2025 Mar 15 0643:00	2025 Mar 15 0902	ICEYE	FI	585	591	97.74	In Earth orbit
730	2025-052BB	Lemur-2 Deloitte-1	2025 Mar 15 0643:00	2025 Mar 15 0902	SPIRE/DELCS	US	589	591	97.74	In Earth orbit
731	2025-052BC	HYVRID	2025 Mar 15 0643:00	2025 Mar 15 0901	YONS	KR	591	593	97.74	In Earth orbit
732	2025-052BD	Lemur-2 EmersonRose	2025 Mar 15 0643:00	2025 Mar 15 0901	SPIRE	US	591	594	97.74	In Earth orbit
733	2025-052BE	Lemur-2 Marathe-Fran	2025 Mar 15 0643:00	2025 Mar 15 0900	SPIRE	US	591	593	97.74	In Earth orbit
734	2025-052BF	SOAP	2025 Mar 15 0643:00	2025 Mar 15 0901	USPACE	F	591	595	97.74	In Earth orbit
735	2025-052BG	Lemur-2 TheFalconer	2025 Mar 15 0643:00	2025 Mar 15 0901	SPIRE	US	591	593	97.74	In Earth orbit
736	2025-052BH	Lemur-2 Balto	2025 Mar 15 0643:00	2025 Mar 15 0900	SPIRE	US	591	596	97.74	In Earth orbit
737	2025-052BK	HERMES Pathfinder H6	2025 Mar 15 0643:00	2025 Apr 3 0905:00	ASI	I	512	520	97.45	In Earth orbit
738	2025-052BL	HYDRA-W	2025 Mar 15 0643:00	2025 Mar 31?	HYDRA	E	500	515	97.44	In Earth orbit
739	2025-052BM	Unicom-2P	2025 Mar 15 0643:00	2025 Mar 31	ALBAD	E	502	517	97.44	In Earth orbit
740	2025-052BN	HADES-ICM	2025 Mar 15 0643:00	2025 Mar 31 0737	HYDRA/ICH	D	501	516	97.44	Reentered
741	2025-052BP	HERMES Pathfinder H4	2025 Mar 15 0643:00	2025 Apr 10 0552:00	ASI	I	513	518	97.45	In Earth orbit
742	2025-052BQ	HERMES Pathfinder H5	2025 Mar 15 0643:00	2025 Apr 9 1847:00	ASI	I	507	517	97.45	In Earth orbit
743	2025-052BR	HERMES Pathfinder H3	2025 Mar 15 0643:00	2025 Apr 11 0537:00	ASI	I	503	516	97.44	In Earth orbit
744	2025-052BS	Unicom-2O	2025 Mar 15 0643:00	2025 May 6 0536:00	ALBAD	D	513	521	97.44	In Earth orbit
745	2025-052BT	Level 2-6	2025 Mar 15 0643:00	2025 May 6 0536:00	ALBAD	D	513	520	97.44	In Earth orbit
746	2025-052	Level 2-5	2025 Mar 15 0643:00	2025 Mar 15 0739	TAU/ISA	IL	511	517	97.45	In Earth orbit
747	2025-052	Level 2-6	2025 Mar 15 0643:00	2025 Mar 15 0739	TAU/ISA	IL	511	517	97.45	In Earth orbit
748	2025-053A	Starlink 11654	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
749	2025-053B	Starlink 11659	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
750	2025-053C	Starlink 11653	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
751	2025-053D	Starlink 11641	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
752	2025-053E	Starlink 11638	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
753	2025-053F	Starlink 11614	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
754	2025-053G	Starlink 11620	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
755	2025-053H	Starlink 11619	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
756	2025-053I	Starlink 11621	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
757	2025-053K	Starlink 11615	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	293	43.00	In Earth orbit
758	2025-053L	Starlink 11603	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
759	2025-053M	Starlink 11623	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	293	43.00	In Earth orbit
760	2025-053N	Starlink 11612	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	Reentered
761	2025-053P	Starlink 33660	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	283	291	43.00	In Earth orbit
762	2025-053Q	Starlink 33611	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	291	43.00	In Earth orbit
763	2025-053R	Starlink 33646	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
764	2025-053S	Starlink 33665	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
765	2025-053T	Starlink 33603	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
766	2025-053U	Starlink 33669	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
767	2025-053V	Starlink 33673	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
768	2025-053W	Starlink 33662	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
769	2025-053X	Starlink 33613	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
770	2025-053Y	Starlink 33680	2025 Mar 15 1135:10	2025 Mar 15 1240:26	SPXS	US	284	292	43.00	In Earth orbit
771	2025-054A	Kosmos-2585	2025 Mar 16 1050	2025 Mar 16 1135?	VVKOV	RU	1492	1517	82.50	In Earth orbit

1102	1116	563649	2025-083R	Starlink 33684	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	266	276	43.00	In Earth orbit
1103	1117	563650	2025-083S	Starlink 33704	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	268	272	43.00	In Earth orbit
1104	1118	563651	2025-083T	Starlink 33705	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	268	272	43.00	In Earth orbit
1105	1119	563652	2025-083U	Starlink 33663	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	265	276	43.00	In Earth orbit
1106	1120	563653	2025-083V	Starlink 33866	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	268	272	43.00	In Earth orbit
1107	1121	563654	2025-083W	Starlink 33849	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	265	276	43.00	In Earth orbit
1108	1122	563655	2025-083X	Starlink 33873	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	265	276	43.00	In Earth orbit
1109	1123	563656	2025-083Y	Starlink 33789	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	265	276	43.00	In Earth orbit
1110	1124	563657	2025-083Z	Starlink 33789	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	265	276	43.00	In Earth orbit
1111	1125	563658	2025-083AA	Starlink 33822	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	267	272	43.00	In Earth orbit
1112	1126	563659	2025-083AB	Starlink 33771	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	263	268	43.00	In Earth orbit
1113	1127	563660	2025-083AC	Starlink 33810	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	265	276	43.00	In Earth orbit
1114	1128	563661	2025-083AD	Starlink 33823	2025 Apr 25 0152:40	2025 Apr 25 0257:55	SPXS	US	268	272	43.00	In Earth orbit
1115	1129	563662	2025-084A	Tian Lian 2-05	2025 Apr 27 16:09	2025 Apr 27 16:09	CAS1	CN	35792	35792	5.35	In Earth orbit
1116	1130	563663	2025-085A	Starlink 11651	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1117	1131	563664	2025-085B	Starlink 11672	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1118	1132	563665	2025-085C	Starlink 11664	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1119	1133	563667	2025-085D	Starlink 11666	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1120	1134	563668	2025-085E	Starlink 11663	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1121	1135	563669	2025-085F	Starlink 11599	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1122	1136	563670	2025-085G	Starlink 11599	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1123	1137	563671	2025-085H	Starlink 11644	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	283	292	43.01	In Earth orbit
1124	1138	563672	2025-085I	Starlink 11644	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1125	1139	563673	2025-085K	Starlink 11634	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1126	1140	563674	2025-085L	Starlink 11656	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1127	1141	563675	2025-085M	Starlink 11655	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1128	1142	563676	2025-085N	Starlink 11661	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1129	1143	563677	2025-085P	Starlink 33816	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1130	1144	563678	2025-085Q	Starlink 33861	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1131	1145	563679	2025-085R	Starlink 33850	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1132	1146	563680	2025-085S	Starlink 33887	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1133	1147	563681	2025-085T	Starlink 33886	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1134	1148	563682	2025-085U	Starlink 33840	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1135	1149	563683	2025-085V	Starlink 33851	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1136	1150	563684	2025-085W	Starlink 33853	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1137	1151	563685	2025-085X	Starlink 33847	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1138	1152	563686	2025-085Y	Starlink 33880	2025 Apr 28 0209:40	2025 Apr 28 0314:56	SPXS	US	282	291	43.01	In Earth orbit
1139	1153	563687	2025-086A	WHDW 03-01	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1111	86.50	In Earth orbit
1140	1154	563688	2025-086B	WHDW 03-02	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1110	86.51	In Earth orbit
1141	1155	563689	2025-086C	WHDW 03-03	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1111	86.50	In Earth orbit
1142	1156	563690	2025-086D	WHDW 03-04	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1110	86.51	In Earth orbit
1143	1157	563691	2025-086E	WHDW 03-05	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1111	86.51	In Earth orbit
1144	1158	563692	2025-086F	WHDW 03-06	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1111	86.50	In Earth orbit
1145	1159	563693	2025-086G	WHDW 03-07	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1111	86.50	In Earth orbit
1146	1160	563694	2025-086H	WHDW 03-08	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1111	86.50	In Earth orbit
1147	1161	563695	2025-086J	WHDW 03-09	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1097	1112	86.50	In Earth orbit
1148	1162	563696	2025-086K	WHDW 03-10	2025 Apr 28 20:10	2025 Apr 28 20:30	ZXW	CN	1096	1113	86.50	In Earth orbit
1149	1163	563697	2025-087A	Starlink 33894	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1150	1164	563698	2025-087B	Starlink 33922	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1151	1165	563699	2025-087C	Starlink 33919	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1152	1166	563700	2025-087D	Starlink 33908	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1153	1167	563701	2025-087E	Starlink 33950	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1154	1168	563702	2025-087F	Starlink 33939	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1155	1169	563703	2025-087G	Starlink 33868	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1156	1170	563704	2025-087H	Starlink 33937	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	269	281	53.16	In Earth orbit
1157	1171	563705	2025-087J	Starlink 33848	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1158	1172	563706	2025-087K	Starlink 33995	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1159	1173	563707	2025-087L	Starlink 33982	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1160	1174	563708	2025-087M	Starlink 33915	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1161	1175	563709	2025-087N	Starlink 33862	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1162	1176	563710	2025-087P	Starlink 33920	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1163	1177	563711	2025-087Q	Starlink 33580	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1164	1178	563712	2025-087R	Starlink 33783	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1165	1179	563713	2025-087S	Starlink 33773	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	281	53.16	In Earth orbit
1166	1180	563714	2025-087T	Starlink 33745	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	280	53.16	In Earth orbit
1167	1181	563715	2025-087U	Starlink 33728	2025 Apr 28 2042:20	2025 Apr 28 2142:24	SPXS	US	268	280	53.16	In Earth orbit

1432	1446	563989	2025-100H	?	Chongzhou	2025 May 14 0412	2025 May 14 0431?	GUOX/ZJLAB	CN	490	504	97.41	In Earth orbit
1433	1447	563990	2025-100J	?	Tiantie Kaji	2025 May 14 0412	2025 May 14 0431?	GUOX/ZJLAB	CN	489	503	97.42	In Earth orbit
1434	1448	563991	2025-100K	?	Miyuan Wuliuyouyuan	2025 May 14 0412	2025 May 14 0431?	GUOX/ZJLAB	CN	489	503	97.41	In Earth orbit
1435	1449	563992	2025-100L	?	Yukongzhe	2025 May 14 0412	2025 May 14 0431?	GUOX/ZJLAB	CN	488	504	97.42	In Earth orbit
1436	1450	563993	2025-100M	?	Dalinghaowan	2025 May 14 0412	2025 May 14 0431?	GUOX/ZJLAB	CN	488	504	97.42	In Earth orbit
1437	1451	563994	2025-101A		Starlink 33871	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1438	1452	563995	2025-101B		Starlink 34154	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1439	1453	563996	2025-101C		Starlink 34158	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	266	277	43.00	In Earth orbit
1440	1454	563997	2025-101D		Starlink 34165	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1441	1455	563998	2025-101E		Starlink 34150	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1442	1456	563999	2025-101F		Starlink 34169	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1443	1457	564000	2025-101G		Starlink 34152	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1444	1458	564001	2025-101H		Starlink 33927	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1445	1459	564002	2025-101J		Starlink 33898	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	278	43.00	In Earth orbit
1446	1460	564003	2025-101K		Starlink 33928	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	277	43.00	In Earth orbit
1447	1461	564004	2025-101L		Starlink 33758	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	277	43.00	In Earth orbit
1448	1462	564005	2025-101M		Starlink 33936	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	277	43.00	In Earth orbit
1449	1463	564006	2025-101N		Starlink 33931	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	277	43.00	In Earth orbit
1450	1464	564007	2025-101P		Starlink 33759	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	277	43.00	In Earth orbit
1451	1465	564008	2025-101Q		Starlink 34167	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	277	43.00	In Earth orbit
1452	1466	564009	2025-101R		Starlink 34077	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	268	277	43.00	In Earth orbit
1453	1467	564010	2025-101S		Starlink 34113	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1454	1468	564011	2025-101T		Starlink 34193	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1455	1469	564012	2025-101U		Starlink 34078	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1456	1470	564013	2025-101V		Starlink 34182	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1457	1471	564014	2025-101W		Starlink 34192	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1458	1472	564015	2025-101X		Starlink 34093	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1459	1473	564016	2025-101Y		Starlink 34016	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1460	1474	564017	2025-101Z		Starlink 34161	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1461	1475	564018	2025-101AA		Starlink 34162	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1462	1476	564019	2025-101AB		Starlink 34155	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1463	1477	564020	2025-101AC		Starlink 34141	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1464	1478	564021	2025-101AD		Starlink 34062	2025 May 14 1638:50	2025 May 14 1744:16	SPXS	US	267	277	43.00	In Earth orbit
1465	1479	564022	2025-102A		Starlink 34051	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1466	1480	564023	2025-102B		Starlink 34184	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1467	1481	564024	2025-102C		Starlink 34087	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1468	1482	564025	2025-102D		Starlink 34088	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1469	1483	564026	2025-102E		Starlink 33992	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1470	1484	564027	2025-102F		Starlink 33967	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1471	1485	564028	2025-102G		Starlink 33953	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1472	1486	564029	2025-102H		Starlink 33790	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1473	1487	564030	2025-102I		Starlink 34030	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1474	1488	564031	2025-102K		Starlink 34024	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1475	1489	564032	2025-102L		Starlink 34019	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1476	1490	564033	2025-102M		Starlink 33860	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1477	1491	564034	2025-102N		Starlink 33946	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1478	1492	564035	2025-102P		Starlink 34046	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1479	1493	564036	2025-102Q		Starlink 34085	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1480	1494	564037	2025-102R		Starlink 34008	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1481	1495	564038	2025-102S		Starlink 34079	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1482	1496	564039	2025-102T		Starlink 34089	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1483	1497	564040	2025-102U		Starlink 34117	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1484	1498	564041	2025-102V		Starlink 34111	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1485	1499	564042	2025-102W		Starlink 34049	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1486	1500	564043	2025-102X		Starlink 34096	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1487	1501	564044	2025-102Y		Starlink 34083	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1488	1502	564045	2025-102Z		Starlink 34033	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1489	1503	564046	2025-102AA		Starlink 33952	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1490	1504	564047	2025-102AB		Starlink 33961	2025 May 16 1343:50	2025 May 16 1446:33	SPXS	US	264	279	69.99	In Earth orbit
1491	1505	564048	2025-103A		Drzhi-1	2025 May 17 0412	2025 May 17 0430?	CUGW/ZHEDI	CN	518	526	97.41	In Earth orbit
1492	1506	564049	2025-103B		Nankode-1	2025 May 17 0412	2025 May 17 0430?	SUSTC/TYK	CN	518	524	97.42	In Earth orbit
1493	1507	564050	2025-103C		Nanchang hangkong 1	2025 May 17 0412	2025 May 17 0430?	NCHU/CTYK	CN	518	523	97.41	In Earth orbit
1494	1508	564051	2025-103D		Nanchang hangkong 2	2025 May 17 0412	2025 May 17 0430?	ZHYN/CHU	CN	517	524	97.42	In Earth orbit
1495	1509	564052	2025-103E		Beiyou-2	2025 May 17 0412	2025 May 17 0430?	YOUUD	CN	517	524	97.42	In Earth orbit
1496	1510	564053	2025-103F		Beiyou-3	2025 May 17 0412	2025 May 17 0430?	YOUUD	CN	517	524	97.42	In Earth orbit
1497	1511	564055	2025-104A		Wadatsumi-1	2025 May 17 0817	2025 May 17 0907	QPS	J	569	582	42.01	In Earth orbit

1498	1512	864058	2025-105A	Tianqi Xingzuo 1-34	2025 May 19 0738	2025 May 19 0750?	GUOG	CN	836	853	44.99	In Earth orbit
1499	1513	864059	2025-105B	Tianqi Xingzuo 1-35	2025 May 19 0738	2025 May 19 0750?	GUOG	CN	835	853	44.98	In Earth orbit
1500	1514	864060	2025-105C	Tianqi Xingzuo 1-36	2025 May 19 0738	2025 May 19 0750?	GUOG	CN	835	853	44.98	In Earth orbit
1501	1515	864061	2025-105D	Tianqi Xingzuo 1-37	2025 May 19 0738	2025 May 19 0750?	GUOG	CN	835	852	44.98	In Earth orbit
1502	1516	864062	2025-106A	Zhongxing 3B	2025 May 20 1150	2025 May 20 1214?	ZLZB	CN	35772	35801	0.04	In Earth orbit
1503	1517	864064	2025-107A	Starlink 11709	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1504	1518	864065	2025-107B	Starlink 11709	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1505	1519	864066	2025-107C	Starlink 11737	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1506	1520	864067	2025-107D	Starlink 11737	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1507	1521	864068	2025-107E	Starlink 11700	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1508	1522	864069	2025-107F	Starlink 11649	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1509	1523	864070	2025-107G	Starlink 11713	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1510	1524	864071	2025-107H	Starlink 11719	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1511	1525	864072	2025-107J	Starlink 11733	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1512	1526	864073	2025-107K	Starlink 11729	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1513	1527	864074	2025-107L	Starlink 11720	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	284	292	43.01	In Earth orbit
1514	1528	864075	2025-107M	Starlink 11723	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1515	1529	864076	2025-107N	Starlink 11715	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1516	1530	864077	2025-107P	Starlink 34201	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	292	43.01	In Earth orbit
1517	1531	864078	2025-107Q	Starlink 34190	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	292	43.01	In Earth orbit
1518	1532	864079	2025-107R	Starlink 34168	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1519	1533	864080	2025-107S	Starlink 34098	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1520	1534	864081	2025-107T	Starlink 34180	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1521	1535	864082	2025-107U	Starlink 34171	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1522	1536	864083	2025-107V	Starlink 34126	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1523	1537	864084	2025-107W	Starlink 34157	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1524	1538	864085	2025-107X	Starlink 34140	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1525	1539	864086	2025-107Y	Starlink 34132	2025 May 21 0319:10	2025 May 21 0424:34	SPXS	US	283	291	43.01	In Earth orbit
1526	1540	864087	2025-108A	? Taijing-3 04	2025 May 21 0405	2025 May 21 0415?	WEINA	CN	515	536	97.51	In Earth orbit
1527	1541	864088	2025-108B	? Taijing-4 02A	2025 May 21 0405	2025 May 21 0415?	WEINA	CN	517	537	97.50	In Earth orbit
1528	1542	864089	2025-108C	? Xingru-11	2025 May 21 0405	2025 May 21 0415?	ZKXR	CN	517	538	97.50	In Earth orbit
1529	1543	864090	2025-108D	? Xingyuan-1	2025 May 21 0405	2025 May 21 0415?	GUOZH	CN	517	536	97.50	In Earth orbit
1530	1544	864091	2025-108E	? Tada Huyang 1	2025 May 21 0405	2025 May 21 0415?	WYKKTADA	CN	517	537	97.50	In Earth orbit
1531	1545	864092	2025-108F	? Xiguang 1-02	2025 May 21 0405	2025 May 21 0415?	ZXHK	CN	517	536	97.50	In Earth orbit
1532	1546	864095	2025-109A	Kosmos-2588	2025 May 23 0836	2025 May 23	TSVS	RU	464	481	72.98	In Earth orbit
1533	1547	864096	2025-110A	Starlink 34178	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	264	275	53.16	In Earth orbit
1534	1548	864097	2025-110B	Starlink 34174	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	264	275	53.16	In Earth orbit
1535	1549	864098	2025-110C	Starlink 34146	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	264	275	53.16	In Earth orbit
1536	1550	864099	2025-110D	Starlink 34074	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1537	1551	864100	2025-110E	Starlink 34082	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1538	1552	864101	2025-110F	Starlink 34072	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1539	1553	864102	2025-110G	Starlink 34104	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1540	1554	864103	2025-110H	Starlink 34179	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1541	1555	864104	2025-110J	Starlink 34176	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1542	1556	864105	2025-110K	Starlink 33949	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1543	1557	864106	2025-110L	Starlink 33970	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1544	1558	864107	2025-110M	Starlink 33912	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1545	1559	864108	2025-110N	Starlink 34156	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1546	1560	864109	2025-110P	Starlink 34124	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1547	1561	864110	2025-110Q	Starlink 34145	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1548	1562	864111	2025-110R	Starlink 34148	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1549	1563	864112	2025-110S	Starlink 34136	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1550	1564	864113	2025-110T	Starlink 33839	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1551	1565	864114	2025-110U	Starlink 34064	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1552	1566	864115	2025-110V	Starlink 34067	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1553	1567	864116	2025-110W	Starlink 34080	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1554	1568	864117	2025-110X	Starlink 34122	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1555	1569	864118	2025-110Y	Starlink 33964	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1556	1570	864119	2025-110Z	Starlink 34160	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1557	1571	864120	2025-110AA	Starlink 34151	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1558	1572	864121	2025-110AB	Starlink 34189	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1559	1573	864122	2025-110AC	Starlink 33991	2025 May 23 2232:20	2025 May 23 2333:12	SPXS	US	263	275	53.16	In Earth orbit
1560	1574	864123	2025-111A	Starlink 11727	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	288	290	43.01	In Earth orbit
1561	1575	864124	2025-111B	Starlink 11724	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	288	290	43.01	In Earth orbit
1562	1576	864125	2025-111C	Starlink 11725	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	287	290	43.01	In Earth orbit
1563	1577	864126	2025-111D	Starlink 11717	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	287	289	43.01	In Earth orbit

1564	1578	1564127	2025-111E	Starlink 11721	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	287	290	43.01	In Earth orbit
1565	1579	864128	2025-111F	Starlink 11722	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	287	289	43.01	In Earth orbit
1566	1580	864129	2025-111G	Starlink 11679	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	287	289	43.01	In Earth orbit
1567	1581	864130	2025-111H	Starlink 11735	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	286	289	43.01	In Earth orbit
1568	1582	864131	2025-111J	Starlink 11720	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	286	289	43.01	In Earth orbit
1569	1583	864132	2025-111K	Starlink 11718	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	278	289	43.01	In Earth orbit
1570	1584	864133	2025-111L	Starlink 11716	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	278	289	43.01	In Earth orbit
1571	1585	864134	2025-111M	Starlink 11714	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	286	289	43.01	In Earth orbit
1572	1586	864135	2025-111N	Starlink 11712	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	286	289	43.01	In Earth orbit
1573	1587	864136	2025-111P	Starlink 34254	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	286	288	43.01	In Earth orbit
1574	1588	864137	2025-111Q	Starlink 34230	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	285	288	43.01	In Earth orbit
1575	1589	864138	2025-111R	Starlink 34129	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	285	288	43.01	In Earth orbit
1576	1590	864139	2025-111S	Starlink 34212	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	285	288	43.01	In Earth orbit
1577	1591	864140	2025-111T	Starlink 34149	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	285	288	43.01	In Earth orbit
1578	1592	864141	2025-111U	Starlink 34054	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	284	288	43.01	In Earth orbit
1579	1593	864142	2025-111V	Starlink 34195	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	284	288	43.01	In Earth orbit
1580	1594	864143	2025-111W	Starlink 34133	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	283	288	43.01	In Earth orbit
1581	1595	864144	2025-111X	Starlink 34181	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	284	288	43.01	In Earth orbit
1582	1596	864145	2025-111Y	Starlink 34186	2025 May 24 1719:00	2025 May 24 1824:12	SPXS	US	283	288	43.01	In Earth orbit
1583	1597	864146	2025-112A	Starlink 34314	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	269	273	97.60	In Earth orbit
1584	1598	864147	2025-112B	Starlink 33926	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	268	273	97.60	In Earth orbit
1585	1599	864148	2025-112C	Starlink 34213	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	268	273	97.60	In Earth orbit
1586	1600	864149	2025-112D	Starlink 33924	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	268	273	97.60	In Earth orbit
1587	1601	864150	2025-112E	Starlink 34209	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	268	273	97.60	In Earth orbit
1588	1602	864151	2025-112F	Starlink 34338	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	268	273	97.60	In Earth orbit
1589	1603	864152	2025-112G	Starlink 34348	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	268	273	97.60	In Earth orbit
1590	1604	864153	2025-112H	Starlink 34345	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	267	273	97.60	In Earth orbit
1591	1605	864154	2025-112J	Starlink 33945	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1592	1606	864155	2025-112K	Starlink 34346	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1593	1607	864156	2025-112L	Starlink 34277	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1594	1608	864157	2025-112M	Starlink 34343	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1595	1609	864158	2025-112N	Starlink 34166	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1596	1610	864159	2025-112P	Starlink 34344	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1597	1611	864160	2025-112Q	Starlink 34339	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1598	1612	864161	2025-112R	Starlink 34341	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	276	97.60	In Earth orbit
1599	1613	864162	2025-112S	Starlink 34317	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1600	1614	864163	2025-112T	Starlink 34340	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	277	97.60	In Earth orbit
1601	1615	864164	2025-112U	Starlink 34263	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	276	97.60	In Earth orbit
1602	1616	864165	2025-112V	Starlink 33793	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	262	276	97.60	In Earth orbit
1603	1617	864166	2025-112W	Starlink 34313	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	261	276	97.60	In Earth orbit
1604	1618	864167	2025-112X	Starlink 34309	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	261	276	97.60	In Earth orbit
1605	1619	864168	2025-112Y	Starlink 34175	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	261	276	97.60	In Earth orbit
1606	1620	864169	2025-112Z	Starlink 34175	2025 May 27 1657:15	2025 May 27 1800:53	SPXS	US	261	276	97.60	In Earth orbit
1607	1621	A11508	2025-U02	Starship FT-9	2025 May 27 2336:29?	2025 May 27 2339	SPX	US	5	189	26.50	Orbit insertion
1608	1622	864170	2025-113A	Starlink 34177	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	274	53.16	In Earth orbit
1609	1623	864171	2025-113B	Starlink 34228	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	274	53.16	In Earth orbit
1610	1624	864172	2025-113C	Starlink 34233	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1611	1625	864173	2025-113D	Starlink 34172	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1612	1626	864174	2025-113E	Starlink 34202	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1613	1627	864175	2025-113F	Starlink 34231	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1614	1628	864176	2025-113G	Starlink 34194	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1615	1629	864177	2025-113H	Starlink 34161	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1616	1630	864178	2025-113J	Starlink 34227	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1617	1631	864179	2025-113K	Starlink 34194	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1618	1632	864180	2025-113L	Starlink 34000	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1619	1633	864181	2025-113M	Starlink 33917	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1620	1634	864182	2025-113N	Starlink 34131	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1621	1635	864183	2025-113P	Starlink 34188	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1622	1636	864184	2025-113Q	Starlink 34197	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1623	1637	864185	2025-113R	Starlink 34063	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1624	1638	864186	2025-113S	Starlink 34200	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1625	1639	864187	2025-113T	Starlink 33934	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1626	1640	864188	2025-113U	Starlink 33929	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1627	1641	864189	2025-113V	Starlink 33872	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1628	1642	864190	2025-113W	Starlink 34214	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit
1629	1643	864191	2025-113X	Starlink 34222	2025 May 28 1330:00	2025 May 28 1434:27	SPXS	US	262	273	53.16	In Earth orbit

1630	1644	1630	2025-113Y	Starlink 34265	2025 May 28 1330:00	SPXS	US	262	273	53.16	In Earth orbit
1631	1645	1631	2025-113Z	Starlink 34245	2025 May 28 1330:00	SPXS	US	262	273	53.16	In Earth orbit
1632	1646	1632	2025-113AA	Starlink 34257	2025 May 28 1434:27	SPXS	US	262	272	53.16	In Earth orbit
1633	1647	1633	2025-113AB	Starlink 33857	2025 May 28 1434:27	SPXS	US	262	272	53.16	In Earth orbit
1634	1648	1634	2025-113AC	Starlink 34173	2025 May 28 1434:27	SPXS	US	262	272	53.16	In Earth orbit
1635	1649	1635	2025-114A	Tianwen-2	2025 May 28 1750:07	CASC	CN	170	-75000	28.00	Sun
1636	1650	1636	2025-115A	Shi Jian 26	2025 May 29 0425:07	CASC?	CN	490	503	97.49	In Earth orbit
1637	1651	1637	2025-116A	GPS III SV08	2025 May 30 1907:19	SFSSC	US	20178	20185	55.00	In Earth orbit
1638	1652	1638	2025-117A	Starlink 33966	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1639	1653	1639	2025-117B	Starlink 34331	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1640	1654	1640	2025-117C	Starlink 34251	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1641	1655	1641	2025-117D	Starlink 34311	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1642	1656	1642	2025-117E	Starlink 34324	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1643	1657	1643	2025-117F	Starlink 34327	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1644	1658	1644	2025-117G	Starlink 33944	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1645	1659	1645	2025-117H	Starlink 34310	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1646	1660	1646	2025-117I	Starlink 34258	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1647	1661	1647	2025-117K	Starlink 34284	2025 May 31 2101:00	SPXS	US	265	267	53.16	In Earth orbit
1648	1662	1648	2025-117L	Starlink 34332	2025 May 31 2101:00	SPXS	US	265	267	53.16	In Earth orbit
1649	1663	1649	2025-117M	Starlink 34283	2025 May 31 2101:00	SPXS	US	265	267	53.16	In Earth orbit
1650	1664	1650	2025-117N	Starlink 34349	2025 May 31 2101:00	SPXS	US	265	267	53.16	In Earth orbit
1651	1665	1651	2025-117P	Starlink 34296	2025 May 31 2101:00	SPXS	US	265	267	53.16	In Earth orbit
1652	1666	1652	2025-117Q	Starlink 34320	2025 May 31 2101:00	SPXS	US	264	268	53.16	In Earth orbit
1653	1667	1653	2025-117R	Starlink 34300	2025 May 31 2101:00	SPXS	US	265	268	53.16	In Earth orbit
1654	1668	1654	2025-117S	Starlink 34323	2025 May 31 2101:00	SPXS	US	265	268	53.16	In Earth orbit
1655	1669	1655	2025-117T	Starlink 34328	2025 May 31 2101:00	SPXS	US	264	268	53.16	In Earth orbit
1656	1670	1656	2025-117U	Starlink 34326	2025 May 31 2101:00	SPXS	US	264	268	53.16	In Earth orbit
1657	1671	1657	2025-117V	Starlink 34318	2025 May 31 2101:00	SPXS	US	264	268	53.16	In Earth orbit
1658	1672	1658	2025-117W	Starlink 34337	2025 May 31 2101:00	SPXS	US	264	268	53.16	In Earth orbit
1659	1673	1659	2025-117X	Starlink 34304	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1660	1674	1660	2025-117Y	Starlink 34289	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1661	1675	1661	2025-117Z	Starlink 34347	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1662	1676	1662	2025-117AA	Starlink 34330	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1663	1677	1663	2025-117AB	Starlink 34167	2025 May 31 2101:00	SPXS	US	263	268	53.16	In Earth orbit
1664	1678	1664	2025-117AC	Starlink 34241	2025 May 31 2101:00	SPXS	US	258	270	53.16	In Earth orbit
1665	1679	1665	2025-118B	Global-32	2025 Jun 3 0049:03	BKSG	US	455	491	59.02	In Earth orbit
1666	1680	1666	2025-119A	Starlink 11686	2025 Jun 3 0549:03	SPXS	US	284	292	43.01	In Earth orbit
1667	1681	1667	2025-119B	Starlink 11682	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1668	1682	1668	2025-119C	Starlink 11675	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1669	1683	1669	2025-119D	Starlink 11693	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1670	1684	1670	2025-119E	Starlink 11708	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1671	1685	1671	2025-119F	Starlink 11708	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1672	1686	1672	2025-119G	Starlink 11683	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1673	1687	1673	2025-119H	Starlink 11684	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1674	1688	1674	2025-119I	Starlink 11689	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1675	1689	1675	2025-119K	Starlink 11690	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1676	1690	1676	2025-119L	Starlink 11710	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1677	1691	1677	2025-119M	Starlink 11704	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1678	1692	1678	2025-119N	Starlink 11704	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1679	1693	1679	2025-119P	Starlink 34203	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1680	1694	1680	2025-119Q	Starlink 33865	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1681	1695	1681	2025-119R	Starlink 34234	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1682	1696	1682	2025-119S	Starlink 34256	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1683	1697	1683	2025-119T	Starlink 34229	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1684	1698	1684	2025-119U	Starlink 34251	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1685	1699	1685	2025-119V	Starlink 34214	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1686	1700	1686	2025-119W	Starlink 33893	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1687	1701	1687	2025-119X	Starlink 34183	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1688	1702	1688	2025-119Y	Starlink 34211	2025 Jun 3 0549:03	SPXS	US	283	292	43.01	In Earth orbit
1689	1703	1689	2025-120A	Starlink 34329	2025 Jun 4 2340:30	SPXS	US	263	275	53.16	In Earth orbit
1690	1704	1690	2025-120B	Starlink 34352	2025 Jun 4 2340:30	SPXS	US	263	275	53.16	In Earth orbit
1691	1705	1691	2025-120C	Starlink 34308	2025 Jun 4 2340:30	SPXS	US	263	274	53.16	In Earth orbit
1692	1706	1692	2025-120D	Starlink 34306	2025 Jun 4 2340:30	SPXS	US	263	274	53.16	In Earth orbit
1693	1707	1693	2025-120E	Starlink 34281	2025 Jun 4 2340:30	SPXS	US	263	274	53.16	In Earth orbit
1694	1708	1694	2025-120F	Starlink 34257	2025 Jun 4 2340:30	SPXS	US	263	274	53.16	In Earth orbit
1695	1709	1695	2025-120G	Starlink 34329	2025 Jun 4 2340:30	SPXS	US	262	274	53.16	In Earth orbit

1696	1710	864263	2025-120H	Starlink 34276	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1697	1711	864264	2025-120J	Starlink 34333	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1698	1712	864265	2025-120K	Starlink 34240	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1699	1713	864266	2025-120L	Starlink 34315	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1700	1714	864267	2025-120M	Starlink 34321	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1701	1715	864268	2025-120N	Starlink 34319	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1702	1716	864269	2025-120P	Starlink 34298	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1703	1717	864270	2025-120Q	Starlink 34219	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1704	1718	864271	2025-120R	Starlink 34342	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1705	1719	864272	2025-120S	Starlink 34001	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1706	1720	864273	2025-120T	Starlink 34334	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1707	1721	864274	2025-120U	Starlink 34272	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1708	1722	864275	2025-120V	Starlink 34293	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1709	1723	864276	2025-120W	Starlink 34350	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1710	1724	864277	2025-120X	Starlink 34264	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1711	1725	864278	2025-120Y	Starlink 34353	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1712	1726	864279	2025-120Z	Starlink 34377	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1713	1727	864280	2025-120AA	Starlink 34359	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1714	1728	864281	2025-120AB	Starlink 34366	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1715	1729	864282	2025-120AC	Starlink 34381	2025 Jun 4 23:40:30	2025 Jun 5 00:41:00	SPXS	US	262	274	53.16	In Earth orbit
1716	1730	864283	2025-121A	WHDW 04-01	2025 Jun 5 20:45	2025 Jun 5 21:35?	ZXW	CN	996	1009	86.50	In Earth orbit
1717	1731	864284	2025-121B	WHDW 04-02	2025 Jun 5 20:45	2025 Jun 5 21:35?	ZXW	CN	996	1008	86.50	In Earth orbit
1718	1732	864285	2025-121C	WHDW 04-03	2025 Jun 5 20:45	2025 Jun 5 21:35?	ZXW	CN	996	1008	86.49	In Earth orbit
1719	1733	864286	2025-121D	WHDW 04-04	2025 Jun 5 20:45	2025 Jun 5 21:35?	ZXW	CN	996	1007	86.50	In Earth orbit
1720	1734	864287	2025-121E	WHDW 04-05	2025 Jun 5 20:45	2025 Jun 5 21:35?	ZXW	CN	995	1006	86.50	In Earth orbit
1721	1735	864290	2025-122A	SXM-10	2025 Jun 7 04:54	2025 Jun 7 05:27	SIRX	US	35774	35800	0.02	In Earth orbit
1722	1736	864291	2025-123A	Starlink 34448	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	267	280	70.00	In Earth orbit
1723	1737	864292	2025-123B	Starlink 34362	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	267	280	70.00	In Earth orbit
1724	1738	864293	2025-123C	Starlink 34428	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	267	280	70.00	In Earth orbit
1725	1739	864294	2025-123D	Starlink 34388	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	267	280	70.00	In Earth orbit
1726	1740	864295	2025-123E	Starlink 34424	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	267	280	70.00	In Earth orbit
1727	1741	864296	2025-123F	Starlink 34443	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	267	279	70.00	In Earth orbit
1728	1742	864297	2025-123G	Starlink 34369	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	267	279	70.00	In Earth orbit
1729	1743	864298	2025-123H	Starlink 34391	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1730	1744	864299	2025-123J	Starlink 34378	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1731	1745	864300	2025-123K	Starlink 34376	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1732	1746	864301	2025-123L	Starlink 34372	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1733	1747	864302	2025-123M	Starlink 34379	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1734	1748	864303	2025-123N	Starlink 34356	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1735	1749	864304	2025-123P	Starlink 34367	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1736	1750	864305	2025-123Q	Starlink 34383	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1737	1751	864306	2025-123R	Starlink 34355	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1738	1752	864307	2025-123S	Starlink 34380	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1739	1753	864308	2025-123T	Starlink 34374	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1740	1754	864309	2025-123U	Starlink 34370	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1741	1755	864310	2025-123V	Starlink 34357	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1742	1756	864311	2025-123W	Starlink 34368	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1743	1757	864312	2025-123X	Starlink 34384	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1744	1758	864313	2025-123Y	Starlink 34358	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1745	1759	864314	2025-123Z	Starlink 34354	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1746	1760	864315	2025-123AA	Starlink 34387	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1747	1761	864316	2025-123AB	Starlink 33590	2025 Jun 8 14:20:10	2025 Jun 8 15:21:43	SPXS	US	266	279	70.00	In Earth orbit
1748	1762	864317	2025-124A	Starlink 11736	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	285	289	43.00	In Earth orbit
1749	1763	864318	2025-124B	Starlink 11673	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	285	289	43.00	In Earth orbit
1750	1764	864319	2025-124C	Starlink 11671	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	285	289	43.00	In Earth orbit
1751	1765	864320	2025-124D	Starlink 11594	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	285	289	43.00	In Earth orbit
1752	1766	864321	2025-124E	Starlink 11596	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1753	1767	864322	2025-124F	Starlink 11747	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1754	1768	864323	2025-124G	Starlink 11728	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1755	1769	864324	2025-124H	Starlink 11696	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1756	1770	864325	2025-124J	Starlink 11698	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1757	1771	864326	2025-124K	Starlink 11678	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1758	1772	864327	2025-124L	Starlink 11674	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1759	1773	864328	2025-124M	Starlink 11707	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1760	1774	864329	2025-124N	Starlink 11734	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	284	289	43.00	In Earth orbit
1761	1775	864330	2025-124P	Starlink 34252	2025 Jun 10 13:05:40	2025 Jun 10 14:11:01	SPXS	US	283	293	43.01	In Earth orbit

1762	1776	864331	2025-124Q	Starlink 34050	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1763	1777	864332	2025-124R	Starlink 33782	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1764	1778	864333	2025-124S	Starlink 34207	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1765	1779	864334	2025-124T	Starlink 34260	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1766	1780	864335	2025-124U	Starlink 33855	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1767	1781	864336	2025-124V	Starlink 34223	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1768	1782	864337	2025-124W	Starlink 34216	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1769	1783	864338	2025-124X	Starlink 34218	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1770	1784	864339	2025-124Y	Starlink 34017	2025 Jun 10 1305:40	2025 Jun 10 1411:01	SPXS	US	283	293	43.01	In Earth orbit
1771	1785	864340	2025-125A	Yamatsumi-1	2025 Jun 11 1531	2025 Jun 11 1621	QPS	J	569	582	42.01	In Earth orbit
1772	1786	864344	2025-126A	Starlink 33977	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	265	279	70.00	In Earth orbit
1773	1787	864345	2025-126B	Starlink 34426	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	265	278	70.00	In Earth orbit
1774	1788	864346	2025-126C	Starlink 34437	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	265	278	70.00	In Earth orbit
1775	1789	864347	2025-126D	Starlink 34407	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1776	1790	864348	2025-126E	Starlink 34274	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1777	1791	864349	2025-126F	Starlink 34301	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1778	1792	864350	2025-126G	Starlink 34425	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1779	1793	864351	2025-126H	Starlink 34389	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1780	1794	864352	2025-126I	Starlink 34385	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1781	1795	864353	2025-126K	Starlink 34431	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1782	1796	864354	2025-126L	Starlink 34473	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1783	1797	864355	2025-126M	Starlink 34270	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1784	1798	864356	2025-126N	Starlink 34397	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1785	1799	864357	2025-126P	Starlink 34454	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1786	1800	864358	2025-126Q	Starlink 34436	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1787	1801	864359	2025-126R	Starlink 34291	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1788	1802	864360	2025-126S	Starlink 34458	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1789	1803	864361	2025-126T	Starlink 34243	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1790	1804	864362	2025-126U	Starlink 34335	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1791	1805	864363	2025-126V	Starlink 34408	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1792	1806	864364	2025-126W	Starlink 34476	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1793	1807	864365	2025-126X	Starlink 34479	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1794	1808	864366	2025-126Y	Starlink 34484	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1795	1809	864367	2025-126Z	Starlink 34483	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1796	1810	864368	2025-126AA	Starlink 34457	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1797	1811	864369	2025-126AB	Starlink 34444	2025 Jun 13 0154:50	2025 Jun 13 0256:20	SPXS	US	264	278	70.00	In Earth orbit
1798	1812	864370	2025-127A	Starlink 11732	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1799	1813	864371	2025-127B	Starlink 11731	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1800	1814	864372	2025-127C	Starlink 11746	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1801	1815	864373	2025-127D	Starlink 11748	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1802	1816	864374	2025-127E	Starlink 11739	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1803	1817	864375	2025-127F	Starlink 11738	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1804	1818	864376	2025-127G	Starlink 11745	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1805	1819	864377	2025-127H	Starlink 11742	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	282	290	43.00	In Earth orbit
1806	1820	864378	2025-127I	Starlink 11711	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.00	In Earth orbit
1807	1821	864379	2025-127K	Starlink 11743	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	281	290	43.00	In Earth orbit
1808	1822	864380	2025-127L	Starlink 11744	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	281	290	43.00	In Earth orbit
1809	1823	864381	2025-127M	Starlink 11692	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.00	In Earth orbit
1810	1824	864382	2025-127N	Starlink 11740	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	281	290	43.01	In Earth orbit
1811	1825	864383	2025-127P	Starlink 34299	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.01	In Earth orbit
1812	1826	864384	2025-127Q	Starlink 34271	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.01	In Earth orbit
1813	1827	864385	2025-127R	Starlink 34100	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.01	In Earth orbit
1814	1828	864386	2025-127S	Starlink 34269	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.01	In Earth orbit
1815	1829	864387	2025-127T	Starlink 34351	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.01	In Earth orbit
1816	1830	864388	2025-127U	Starlink 34198	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.01	In Earth orbit
1817	1831	864389	2025-127V	Starlink 34279	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.00	In Earth orbit
1818	1832	864390	2025-127W	Starlink 34292	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.00	In Earth orbit
1819	1833	864391	2025-127X	Starlink 34278	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.00	In Earth orbit
1820	1834	864392	2025-127Y	Starlink 33802	2025 Jun 13 1529:00	2025 Jun 13 1634:16	SPXS	US	284	292	43.00	In Earth orbit
1821	1835	864393	2025-128A	Zhangheng 1-02	2025 Jun 14 0756	2025 Jun 14 0801?	CAS	CN	491	504	97.32	In Earth orbit
1822	1836	864412	2025-129A	Starlink 34419	2025 Jun 17 0438:50	2025 Jun 17 0438:19	SPXS	US	266	279	70.00	In Earth orbit
1823	1837	864413	2025-129B	Starlink 34225	2025 Jun 17 0336:50	2025 Jun 17 0438:19	SPXS	US	266	279	70.00	In Earth orbit
1824	1838	864414	2025-129C	Starlink 34422	2025 Jun 17 0336:50	2025 Jun 17 0438:19	SPXS	US	266	279	70.00	In Earth orbit
1825	1839	864415	2025-129D	Starlink 34425	2025 Jun 17 0336:50	2025 Jun 17 0438:19	SPXS	US	266	279	70.00	In Earth orbit
1826	1840	864416	2025-129E	Starlink 34451	2025 Jun 17 0336:50	2025 Jun 17 0438:19	SPXS	US	266	279	70.00	In Earth orbit
1827	1841	864417	2025-129F	Starlink 34487	2025 Jun 17 0336:50	2025 Jun 17 0438:19	SPXS	US	266	279	70.00	In Earth orbit

2026	2026-137AA	Starlink 34415	2025 Jun 25 1954:50	2025 Jun 25 2059:17	SPXS	US	266	274	53.16	In Earth orbit
2027	2025-137AB	Starlink 34416	2025 Jun 25 1954:50	2025 Jun 25 2059:17	SPXS	US	266	274	53.16	In Earth orbit
2028	2025-137AC	Starlink 34414	2025 Jun 25 1954:50	2025 Jun 25 2059:17	SPXS	US	266	274	53.16	In Earth orbit
2029	2025-138A	Hawk 12C	2025 Jun 26 1728	2025 Jun 26 1818*	HE360	US	514	532	97.44	In Earth orbit
2030	2025-138B	Hawk 12B	2025 Jun 26 1728	2025 Jun 26 1818*	HE360	US	513	531	97.44	In Earth orbit
2031	2025-138C	Hawk 12A	2025 Jun 26 1728	2025 Jun 26 1818*	HE360	US	512	531	97.44	In Earth orbit
2032	2025-138D	Kestrel-0A	2025 Jun 26 1728	2025 Jun 26 1818*	HE360	US	510	530	97.44	In Earth orbit
2033	2025-139A	Starlink 34464	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	275	53.16	In Earth orbit
2034	2025-139B	Starlink 34555	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	275	53.16	In Earth orbit
2035	2025-139C	Starlink 34382	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	275	53.16	In Earth orbit
2036	2025-139D	Starlink 34382	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2037	2025-139E	Starlink 34395	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2038	2025-139F	Starlink 34394	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2039	2025-139G	Starlink 34287	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2040	2025-139H	Starlink 34365	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2041	2025-139I	Starlink 34442	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2042	2025-139K	Starlink 34288	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2043	2025-139L	Starlink 34539	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2044	2025-139M	Starlink 34590	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2045	2025-139N	Starlink 34573	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2046	2025-139P	Starlink 34605	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2047	2025-139Q	Starlink 34485	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2048	2025-139R	Starlink 34489	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2049	2025-139S	Starlink 34502	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2050	2025-139T	Starlink 34553	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2051	2025-139U	Starlink 34551	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2052	2025-139V	Starlink 34550	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2053	2025-139W	Starlink 34488	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2054	2025-139X	Starlink 34253	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2055	2025-139Y	Starlink 34565	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2056	2025-139Z	Starlink 34554	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2057	2025-139AA	Starlink 34262	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2058	2025-139AB	Starlink 34538	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	274	53.16	In Earth orbit
2059	2025-139AC	Starlink 34250	2025 Jun 28 0426:00	2025 Jun 28 0530:19	SPXS	US	265	273	53.16	In Earth orbit
2060	2025-140A	Lyra 4	2025 Jun 28 0708	2025 Jun 28 0802*	ECHOAU	AU	649	662	95.98	In Earth orbit
2061	2025-141A	Ibuki-GW	2025 Jun 28 1633:04	2025 Jun 28 1649*	JAXA	J	666	668	98.06	In Earth orbit
2062	2025-142A	Starlink 34497	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	265	278	70.00	In Earth orbit
2063	2025-142B	Starlink 34584	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	265	278	70.00	In Earth orbit
2064	2025-142C	Starlink 34535	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	265	278	70.00	In Earth orbit
2065	2025-142D	Starlink 34600	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	265	278	70.00	In Earth orbit
2066	2025-142E	Starlink 34560	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	265	278	70.00	In Earth orbit
2067	2025-142F	Starlink 34576	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2068	2025-142G	Starlink 34322	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2069	2025-142H	Starlink 34470	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2070	2025-142J	Starlink 34405	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2071	2025-142K	Starlink 34406	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2072	2025-142L	Starlink 34559	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2073	2025-142M	Starlink 34316	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2074	2025-142N	Starlink 34563	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2075	2025-142P	Starlink 34499	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2076	2025-142Q	Starlink 34447	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2077	2025-142R	Starlink 34312	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2078	2025-142S	Starlink 34515	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2079	2025-142T	Starlink 34583	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2080	2025-142U	Starlink 34574	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2081	2025-142V	Starlink 34533	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2082	2025-142W	Starlink 34548	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2083	2025-142X	Starlink 34568	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2084	2025-142Y	Starlink 34546	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2085	2025-142Z	Starlink 34577	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2086	2025-142AA	Starlink 34572	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2087	2025-142AB	Starlink 34558	2025 Jun 28 1713:00	2025 Jun 28 1814:35	SPXS	US	264	278	70.00	In Earth orbit
2088	2025-143A	Meteosat 13	2025 Jul 1 2104	2025 Jul 1 2139	EUMET	EU	334	65207	21.22	In Earth orbit
2089	2025-144A	Starlink 34393	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	270	270	53.16	In Earth orbit
2090	2025-144B	Starlink 34562	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	270	270	53.16	In Earth orbit
2091	2025-144C	Starlink 34557	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	270	270	53.16	In Earth orbit

2092	2106	2092	2025-144D	Starlink 34242	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	269	270	53.16	In Earth orbit
2093	2107	2093	2025-144E	Starlink 34239	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	269	270	53.16	In Earth orbit
2094	2108	2094	2025-144F	Starlink 34588	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	269	270	53.16	In Earth orbit
2095	2109	2095	2025-144G	Starlink 34606	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	269	270	53.16	In Earth orbit
2096	2110	2096	2025-144H	Starlink 34532	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	269	270	53.16	In Earth orbit
2097	2111	2097	2025-144I	Starlink 34596	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	268	269	53.16	In Earth orbit
2098	2112	2098	2025-144K	Starlink 34556	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	268	269	53.16	In Earth orbit
2099	2113	2099	2025-144L	Starlink 34591	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	268	269	53.16	In Earth orbit
2100	2114	2100	2025-144M	Starlink 34587	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	268	269	53.16	In Earth orbit
2101	2115	2101	2025-144N	Starlink 34130	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	268	269	53.16	In Earth orbit
2102	2116	2102	2025-144P	Starlink 34619	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	268	269	53.16	In Earth orbit
2103	2117	2103	2025-144Q	Starlink 34597	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	267	268	53.16	In Earth orbit
2104	2118	2104	2025-144R	Starlink 34471	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	267	268	53.16	In Earth orbit
2105	2119	2105	2025-144S	Starlink 34208	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	267	268	53.16	In Earth orbit
2106	2120	2106	2025-144T	Starlink 34205	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	267	268	53.16	In Earth orbit
2107	2121	2107	2025-144U	Starlink 34607	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	267	268	53.16	In Earth orbit
2108	2122	2108	2025-144V	Starlink 34236	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	266	267	53.16	In Earth orbit
2109	2123	2109	2025-144W	Starlink 34185	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	266	267	53.16	In Earth orbit
2110	2124	2110	2025-144X	Starlink 34581	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	266	267	53.16	In Earth orbit
2111	2125	2111	2025-144Y	Starlink 34592	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	266	267	53.16	In Earth orbit
2112	2126	2112	2025-144Z	Starlink 34589	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	266	267	53.16	In Earth orbit
2113	2127	2113	2025-144AA	Starlink 34536	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	266	267	53.16	In Earth orbit
2114	2128	2114	2025-144AB	Starlink 34595	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	265	266	53.16	In Earth orbit
2115	2129	2115	2025-144AC	Starlink 34531	2025 Jul 2 0628:10	2025 Jul 2 0732:27	SPXS	US	266	267	53.16	In Earth orbit
2116	2130	2116	2025-144A	Shiyun 28B-01	2025 Jul 3 0935	2025 Jul 3 0950?	ZZB	CN	792	796	53.16	In Earth orbit
2117	2131	2117	2025-146A	Progress MS-31	2025 Jul 3 1932:40	2025 Jul 3 1941	RKKE	RU	394	400	51.59	Attached to Soyuz-2-1a No. 048 Blok-1
2118	2132	2118	2025-147A	Starlink 33965	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2119	2133	2119	2025-147B	Starlink 34371	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	265	274	53.16	In Earth orbit
2120	2134	2120	2025-147C	Starlink 34401	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2121	2135	2121	2025-147D	Starlink 34593	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2122	2136	2122	2025-147E	Starlink 34598	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2123	2137	2123	2025-147F	Starlink 34235	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	265	274	53.16	In Earth orbit
2124	2138	2124	2025-147G	Starlink 34635	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2125	2139	2125	2025-147H	Starlink 34638	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2126	2140	2126	2025-147I	Starlink 34534	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2127	2141	2127	2025-147K	Starlink 34261	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2128	2142	2128	2025-147L	Starlink 34566	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2129	2143	2129	2025-147M	Starlink 34645	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2130	2144	2130	2025-147N	Starlink 34639	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	274	53.16	In Earth orbit
2131	2145	2131	2025-147P	Starlink 34609	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2132	2146	2132	2025-147Q	Starlink 34246	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	265	273	53.16	In Earth orbit
2133	2147	2133	2025-147R	Starlink 34618	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2134	2148	2134	2025-147S	Starlink 34541	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2135	2149	2135	2025-147T	Starlink 34652	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2136	2150	2136	2025-147U	Starlink 34612	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2137	2151	2137	2025-147V	Starlink 34621	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2138	2152	2138	2025-147W	Starlink 34657	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2139	2153	2139	2025-147X	Starlink 34637	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2140	2154	2140	2025-147Y	Starlink 34547	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2141	2155	2141	2025-147Z	Starlink 34537	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2142	2156	2142	2025-147A	Starlink 34585	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2143	2157	2143	2025-147AB	Starlink 34491	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2144	2158	2144	2025-147AC	Starlink 34582	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2145	2159	2145	2025-147AD	Starlink 34482	2025 Jul 8 0821:00	2025 Jul 8 0925:11	SPXS	US	264	273	53.16	In Earth orbit
2146	2160	2146	2025-148A	Door 1	2025 Jul 13 0504	2025 Jul 13 0536?	USA	IL	30138	62079	1.98	In Earth orbit
2147	2161	2147	2025-149A	Tianzhou-9	2025 Jul 14 2134:23	2025 Jul 14 2144	CMSEO	CN	202	340	41.47	Attached to CZ-7 Y 10 Stage 2
2148	2162	2148	2025-150A	Starlink 34629	2025 Jul 16 0306:47	2025 Jul 16 0306:47	SPXS	US	266	280	70.00	In Earth orbit
2149	2163	2149	2025-150B	Starlink 34697	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	280	70.00	In Earth orbit
2150	2164	2150	2025-150C	Starlink 34632	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	280	70.00	In Earth orbit
2151	2165	2151	2025-150D	Starlink 34693	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	280	70.00	In Earth orbit
2152	2166	2152	2025-150E	Starlink 34666	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	280	70.00	In Earth orbit
2153	2167	2153	2025-150F	Starlink 34587	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	279	70.00	In Earth orbit
2154	2168	2154	2025-150G	Starlink 34646	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	279	70.00	In Earth orbit
2155	2169	2155	2025-150H	Starlink 34641	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	279	70.00	In Earth orbit
2156	2170	2156	2025-150I	Starlink 34649	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	279	70.00	In Earth orbit
2157	2171	2157	2025-150K	Starlink 34669	2025 Jul 16 0205:20	2025 Jul 16 0306:47	SPXS	US	266	279	70.00	In Earth orbit

2158	2172	564800	2025-150L	Starlink 34660	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	266	279	70.00	In Earth orbit
2159	2173	564801	2025-150M	Starlink 34660	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	266	279	70.00	In Earth orbit
2160	2174	564802	2025-150N	Starlink 34660	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	266	279	70.00	In Earth orbit
2161	2175	564803	2025-150P	Starlink 34660	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	266	279	70.00	In Earth orbit
2162	2176	564804	2025-150Q	Starlink 34633	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	266	279	70.00	In Earth orbit
2163	2177	564805	2025-150R	Starlink 34624	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2164	2178	564806	2025-150S	Starlink 34664	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2165	2179	564807	2025-150T	Starlink 34663	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2166	2180	564808	2025-150U	Starlink 34696	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2167	2181	564809	2025-150V	Starlink 34675	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2168	2182	564810	2025-150W	Starlink 34608	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2169	2183	564811	2025-150X	Starlink 34669	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2170	2184	564812	2025-150Y	Starlink 34644	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2171	2185	564813	2025-150Z	Starlink 34685	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2172	2186	564814	2025-150AA	Starlink 34668	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2173	2187	564815	2025-150AB	Starlink 34667	2025 Jul 16 02:05:20	2025 Jul 16 03:06:47	SPXS	US	265	279	70.00	In Earth orbit
2174	2188	564816	2025-151A	Kuiper-00069	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	454	463	51.88	In Earth orbit
2175	2189	564817	2025-151B	Kuiper-00070	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	465	51.88	In Earth orbit
2176	2190	564818	2025-151C	Kuiper-00071	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	455	463	51.88	In Earth orbit
2177	2191	564819	2025-151D	Kuiper-00072	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2178	2192	564820	2025-151E	Kuiper-00073	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2179	2193	564821	2025-151F	Kuiper-00074	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	463	51.88	In Earth orbit
2180	2194	564822	2025-151G	Kuiper-00075	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	455	463	51.88	In Earth orbit
2181	2195	564823	2025-151H	Kuiper-00076	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2182	2196	564824	2025-151I	Kuiper-00077	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2183	2197	564825	2025-151K	Kuiper-00078	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2184	2198	564826	2025-151L	Kuiper-00079	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	454	463	51.88	In Earth orbit
2185	2199	564827	2025-151M	Kuiper-00080	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	455	463	51.88	In Earth orbit
2186	2200	564828	2025-151N	Kuiper-00082	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	455	463	51.88	In Earth orbit
2187	2201	564829	2025-151P	Kuiper-00083	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2188	2202	564830	2025-151Q	Kuiper-00084	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	465	51.88	In Earth orbit
2189	2203	564831	2025-151R	Kuiper-00085	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	454	463	51.88	In Earth orbit
2190	2204	564832	2025-151S	Kuiper-00086	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	465	51.88	In Earth orbit
2191	2205	564833	2025-151T	Kuiper-00087	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	455	463	51.88	In Earth orbit
2192	2206	564834	2025-151U	Kuiper-00089	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2193	2207	564835	2025-151V	Kuiper-00090	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	455	465	51.88	In Earth orbit
2194	2208	564836	2025-151W	Kuiper-00091	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	454	463	51.88	In Earth orbit
2195	2209	564837	2025-151X	Kuiper-00092	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	455	463	51.88	In Earth orbit
2196	2210	564838	2025-151Y	Kuiper-00093	2025 Jul 16 06:30	2025 Jul 16 07:26:7	KUIP	US	456	464	51.88	In Earth orbit
2197	2211	564839	2025-151Z	Kuiper-00094	2025 Jul 16 06:30	2025 Jul 16 07:33:7	KUIP	US	455	463	51.88	In Earth orbit
2198	2212	564842	2025-152A	Starlink 34723	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	281	97.60	In Earth orbit
2199	2213	564843	2025-152B	Starlink 34725	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	281	97.60	In Earth orbit
2200	2214	564844	2025-152C	Starlink 34709	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	281	97.60	In Earth orbit
2201	2215	564845	2025-152D	Starlink 34706	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	281	97.60	In Earth orbit
2202	2216	564846	2025-152E	Starlink 34736	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	281	97.60	In Earth orbit
2203	2217	564847	2025-152F	Starlink 34746	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	281	97.60	In Earth orbit
2204	2218	564848	2025-152G	Starlink 34748	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	281	97.60	In Earth orbit
2205	2219	564849	2025-152H	Starlink 34756	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2206	2220	564850	2025-152I	Starlink 34757	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2207	2221	564851	2025-152K	Starlink 34722	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2208	2222	564852	2025-152L	Starlink 34564	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2209	2223	564853	2025-152M	Starlink 34676	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2210	2224	564854	2025-152N	Starlink 34682	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2211	2225	564855	2025-152P	Starlink 34631	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2212	2226	564856	2025-152Q	Starlink 34578	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2213	2227	564857	2025-152R	Starlink 34683	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2214	2228	564858	2025-152S	Starlink 34654	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2215	2229	564859	2025-152T	Starlink 34570	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2216	2230	564860	2025-152U	Starlink 34575	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2217	2231	564861	2025-152V	Starlink 34651	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2218	2232	564862	2025-152W	Starlink 34684	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2219	2233	564863	2025-152X	Starlink 34690	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2220	2234	564864	2025-152Y	Starlink 34628	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2221	2235	564865	2025-152Z	Starlink 34544	2025 Jul 19 03:52	2025 Jul 19 04:54	SPXS	US	267	280	97.60	In Earth orbit
2222	2236	564866	2025-153A	O3b mPOWER F9	2025 Jul 22 23:05	2025 Jul 22 23:05	O3BS	UK	4860	7380	5.09	In Earth orbit
2223	2237	564867	2025-153B	O3b mPOWER F10	2025 Jul 22 21:12	2025 Jul 22 23:12	O3BS	UK	2718	7033	9.34	In Earth orbit

2290	2304	2290-158C	Starlink 34775	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2291	2305	2025-158D	Starlink 34726	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2292	2306	2025-158E	Starlink 34529	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2293	2307	2025-158F	Starlink 34743	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2294	2308	2025-158G	Starlink 34730	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2295	2309	2025-158H	Starlink 34714	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2296	2310	2025-158J	Starlink 34755	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2297	2311	2025-158K	Starlink 34740	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2298	2312	2025-158L	Starlink 34742	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2299	2313	2025-158M	Starlink 34719	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2300	2314	2025-158N	Starlink 34373	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2301	2315	2025-158P	Starlink 34758	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2302	2316	2025-158Q	Starlink 34737	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2303	2317	2025-158R	Starlink 34747	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2304	2318	2025-158S	Starlink 34630	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2305	2319	2025-158T	Starlink 34689	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2306	2320	2025-158U	Starlink 34586	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2307	2321	2025-158V	Starlink 34738	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2308	2322	2025-158W	Starlink 34744	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2309	2323	2025-158X	Starlink 34701	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2310	2324	2025-158Y	Starlink 34761	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2311	2325	2025-158Z	Starlink 34732	2025 Jul 27 04:30:50	2025 Jul 27 05:33:50	SPXS	US	267	280	97.60	In Earth orbit
2312	2326	2025-159A	WHDW 05-01	2025 Jul 27 10:03	2025 Jul 27 10:57	ZXW	CN	997	1009	86.49	In Earth orbit
2313	2327	2025-159B	WHDW 05-02	2025 Jul 27 10:03	2025 Jul 27 10:57	ZXW	CN	996	1008	86.50	In Earth orbit
2314	2328	2025-159C	WHDW 05-03	2025 Jul 27 10:03	2025 Jul 27 10:57	ZXW	CN	996	1007	86.49	In Earth orbit
2315	2329	2025-159D	WHDW 05-04	2025 Jul 27 10:03	2025 Jul 27 10:57	ZXW	CN	996	1006	86.50	In Earth orbit
2316	2330	2025-159E	WHDW 05-05	2025 Jul 27 10:03	2025 Jul 27 10:57	ZXW	CN	996	1006	86.50	In Earth orbit
2317	2331	2025-160A	Enshi Xidou Shanquan	2025 Jul 29 04:11	2025 Jul 29 04:25	HANGSH	CN	495	510	97.40	In Earth orbit
2318	2332	2025-161A	Starlink 34617	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2319	2333	2025-161B	Starlink 34627	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2320	2334	2025-161C	Starlink 34549	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2321	2335	2025-161D	Starlink 34623	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2322	2336	2025-161E	Starlink 34252	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2323	2337	2025-161F	Starlink 34778	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2324	2338	2025-161G	Starlink 34772	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2325	2339	2025-161H	Starlink 34789	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2326	2340	2025-161I	Starlink 34858	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2327	2341	2025-161J	Starlink 34773	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2328	2342	2025-161K	Starlink 34727	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2329	2343	2025-161L	Starlink 34804	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	274	53.16	In Earth orbit
2330	2344	2025-161M	Starlink 34656	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2331	2345	2025-161N	Starlink 34671	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2332	2346	2025-161P	Starlink 34807	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2333	2347	2025-161Q	Starlink 34731	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2334	2348	2025-161R	Starlink 34614	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2335	2349	2025-161S	Starlink 34677	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2336	2350	2025-161T	Starlink 34656	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2337	2351	2025-161V	Starlink 34610	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2338	2352	2025-161W	Starlink 34286	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2339	2353	2025-161X	Starlink 34770	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2340	2354	2025-161Y	Starlink 34776	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2341	2355	2025-161Z	Starlink 34827	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2342	2356	2025-161AA	Starlink 34721	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2343	2357	2025-161AB	Starlink 34819	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2344	2358	2025-161AC	Starlink 34820	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2345	2359	2025-161AD	Starlink 34824	2025 Jul 30 03:37:50	2025 Jul 30 04:41:49	SPXS	US	266	273	53.16	In Earth orbit
2346	2360	2025-162A	WHDW 06-01	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	867	877	50.00	In Earth orbit
2347	2361	2025-162B	WHDW 06-02	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	866	879	50.00	In Earth orbit
2348	2362	2025-162C	WHDW 06-03	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	863	877	50.02	In Earth orbit
2349	2363	2025-162D	WHDW 06-04	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	868	875	50.01	In Earth orbit
2350	2364	2025-162E	WHDW 06-05	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	866	876	50.01	In Earth orbit
2351	2365	2025-162F	WHDW 06-06	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	867	876	50.01	In Earth orbit
2352	2366	2025-162G	WHDW 06-07	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	865	877	50.00	In Earth orbit
2353	2367	2025-162H	WHDW 06-08	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	868	876	50.00	In Earth orbit
2354	2368	2025-162J	WHDW 06-09	2025 Jul 30 07:49	2025 Jul 30 08:10	ZXW	CN	866	877	49.99	In Earth orbit
2355	2369	2025-163A	NISAR	2025 Jul 30 12:10:25	2025 Jul 30 12:28	ISRO/JPL	IN	734	749	98.43	In Earth orbit

2356	2370	865055	2025-164A	PRSC-S1	2025 Jul 31 02:00	2025 Jul 31 02:15?	SUPA	PK	544	555	41.13	In Earth orbit
2357	2371	865056	2025-165A	Starlink 34788	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2358	2372	865057	2025-165B	Starlink 34778	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2359	2373	865058	2025-165C	Starlink 34749	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2360	2374	865059	2025-165D	Starlink 34803	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2361	2375	865060	2025-165E	Starlink 34717	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2362	2376	865061	2025-165F	Starlink 34750	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2363	2377	865062	2025-165G	Starlink 34708	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2364	2378	865063	2025-165H	Starlink 34788	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2365	2379	865064	2025-165J	Starlink 34793	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2366	2380	865065	2025-165K	Starlink 34806	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2367	2381	865066	2025-165L	Starlink 34739	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2368	2382	865067	2025-165M	Starlink 34802	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2369	2383	865068	2025-165N	Starlink 34810	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2370	2384	865069	2025-165P	Starlink 34809	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2371	2385	865070	2025-165Q	Starlink 34794	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2372	2386	865071	2025-165R	Starlink 34805	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2373	2387	865072	2025-165S	Starlink 34735	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2374	2388	865073	2025-165T	Starlink 34781	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2375	2389	865074	2025-165U	Starlink 34780	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57	SPXS	US	312	326	97.61	In Earth orbit
2376	2390	865075	2025-165V	USA 549	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57?	NROC	US	312	326	97.61	In Earth orbit
2377	2391	865076	2025-166A	USA 550	2025 Jul 31 18:35:09	2025 Jul 31 19:37:57?	NROC	US	312	326	97.61	In Earth orbit
2378	2392	865077	2025-166A	Dragon Endeavour (Crew-11)	2025 Aug 1 15:43:42	2025 Aug 1 15:53:19	SPX	US	192	214	51.65	Landed
2379	2393	865078	2025-167A	Starlink 34771	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2380	2394	865079	2025-167B	Starlink 34634	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2381	2395	865080	2025-167C	Starlink 34267	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2382	2396	865081	2025-167D	Starlink 34561	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2383	2397	865082	2025-167E	Starlink 34626	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2384	2398	865083	2025-167F	Starlink 34247	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2385	2399	865084	2025-167G	Starlink 34601	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2386	2400	865085	2025-167H	Starlink 34792	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2387	2401	865086	2025-167J	Starlink 34822	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2388	2402	865087	2025-167K	Starlink 34886	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2389	2403	865088	2025-167L	Starlink 34594	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2390	2404	865089	2025-167M	Starlink 34665	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2391	2405	865090	2025-167N	Starlink 34673	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2392	2406	865091	2025-167P	Starlink 34648	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2393	2407	865092	2025-167Q	Starlink 34640	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2394	2408	865093	2025-167R	Starlink 34266	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2395	2409	865094	2025-167S	Starlink 34769	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2396	2410	865095	2025-167T	Starlink 34768	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2397	2411	865096	2025-167U	Starlink 34759	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2398	2412	865097	2025-167V	Starlink 34741	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	275	53.16	In Earth orbit
2399	2413	865098	2025-167W	Starlink 34764	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	274	53.16	In Earth orbit
2400	2414	865099	2025-167X	Starlink 34815	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	274	53.16	In Earth orbit
2401	2415	865100	2025-167Y	Starlink 34814	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	274	53.16	In Earth orbit
2402	2416	865101	2025-167Z	Starlink 34814	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	274	53.16	In Earth orbit
2403	2417	865102	2025-167AA	Starlink 34857	2025 Aug 4 07:57:50	2025 Aug 4 10:45:7	SPXS	US	265	274	53.16	In Earth orbit
2404	2418	865103	2025-167AB	Starlink 34887	2025 Aug 4 07:57:50	2025 Aug 4 10:45:7	SPXS	US	265	275	53.16	In Earth orbit
2405	2419	865104	2025-167AC	Starlink 34481	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	274	53.16	In Earth orbit
2406	2420	865105	2025-167AD	Starlink 34545	2025 Aug 4 07:57:50	2025 Aug 4 09:02:10	SPXS	US	265	274	53.16	In Earth orbit
2407	2421	865106	2025-168A	WHDW 07-01	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	864	904	50.02	In Earth orbit
2408	2422	865107	2025-168B	WHDW 07-02	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	893	907	50.00	In Earth orbit
2409	2423	865108	2025-168C	WHDW 07-03	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	891	909	50.01	In Earth orbit
2410	2424	865109	2025-168D	WHDW 07-04	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	893	906	50.00	In Earth orbit
2411	2425	865110	2025-168E	WHDW 07-05	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	889	911	50.00	In Earth orbit
2412	2426	865111	2025-168F	WHDW 07-06	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	890	909	50.00	In Earth orbit
2413	2427	865112	2025-168G	WHDW 07-07	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	891	907	50.00	In Earth orbit
2414	2428	865113	2025-168H	WHDW 07-08	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	893	904	50.00	In Earth orbit
2415	2429	865114	2025-168J	WHDW 07-09	2025 Aug 4 10:21:23	2025 Aug 4 10:45:7	ZXW	CN	893	904	50.00	In Earth orbit
2416	2430	865116	2025-169A	Kushinada-1	2025 Aug 5 04:10	2025 Aug 5 05:03	QPS	J	572	581	42.01	In Earth orbit
2417	2431	865119	2025-170A	Geely Xingzao 04 zu 01 xing	2025 Aug 8 16:31	2025 Aug 8 16:45:7	GEESP	CN	586	602	49.98	In Earth orbit
2418	2432	865120	2025-170B	Geely Xingzao 04 zu 02 xing	2025 Aug 8 16:31	2025 Aug 8 16:45:7	GEESP	CN	585	602	49.99	In Earth orbit
2419	2433	865121	2025-170C	Geely Xingzao 04 zu 03 xing	2025 Aug 8 16:31	2025 Aug 8 16:45:7	GEESP	CN	585	602	49.99	In Earth orbit
2420	2434	865122	2025-170D	Geely Xingzao 04 zu 04 xing	2025 Aug 8 16:31	2025 Aug 8 16:45:7	GEESP	CN	585	602	49.98	In Earth orbit
2421	2435	865123	2025-170E	Geely Xingzao 04 zu 05 xing	2025 Aug 8 16:31	2025 Aug 8 16:45:7	GEESP	CN	585	602	49.99	In Earth orbit

2488	2502	865196	2025-175Y	Starlink 34927	2025 Aug 14 0505:37	2025 Aug 14 0608:07	SPXS	US	265	278	97.60	In Earth orbit
2489	2503	865197	2025-175Z	Starlink 34952	2025 Aug 14 0505:37	2025 Aug 14 0608:07	SPXS	US	265	278	97.60	In Earth orbit
2490	2504	865198	2025-176A	Starlink 34981	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	263	276	53.16	In Earth orbit
2491	2505	865199	2025-176B	Starlink 34821	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2492	2506	865200	2025-176C	Starlink 34865	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2493	2507	865201	2025-176D	Starlink 34843	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2494	2508	865202	2025-176E	Starlink 34905	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2495	2509	865203	2025-176F	Starlink 34914	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2496	2510	865204	2025-176G	Starlink 34787	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2497	2511	865205	2025-176H	Starlink 34796	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2498	2512	865206	2025-176I	Starlink 34763	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2499	2513	865207	2025-176K	Starlink 34901	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2500	2514	865208	2025-176L	Starlink 34841	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	276	53.16	In Earth orbit
2501	2515	865209	2025-176M	Starlink 34976	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2502	2516	865210	2025-176N	Starlink 34941	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2503	2517	865211	2025-176P	Starlink 34847	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2504	2518	865212	2025-176Q	Starlink 34897	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2505	2519	865213	2025-176R	Starlink 34907	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2506	2520	865214	2025-176S	Starlink 34511	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2507	2521	865215	2025-176T	Starlink 33913	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2508	2522	865216	2025-176U	Starlink 34302	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2509	2523	865217	2025-176V	Starlink 34871	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2510	2524	865218	2025-176W	Starlink 34833	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2511	2525	865219	2025-176X	Starlink 34960	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2512	2526	865220	2025-176Y	Starlink 34603	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2513	2527	865221	2025-176Z	Starlink 34974	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2514	2528	865222	2025-176A A	Starlink 34999	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2515	2529	865223	2025-176A B	Starlink 34996	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2516	2530	865224	2025-176A C	Starlink 34975	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2517	2531	865225	2025-176A D	Starlink 34257	2025 Aug 14 1229:30	2025 Aug 14 1333:37	SPXS	US	264	275	53.16	In Earth orbit
2518	2532	865226	2025-177A	Shiyao_28B-02	2025 Aug 17 0855	2025 Aug 17 0925:9	ZXB	CN	791	796	11.00	In Earth orbit
2519	2533	865228	2025-178A	WHDW 09-01	2025 Aug 17 1415	2025 Aug 17 1507:7	ZXW	CN	996	1009	86.50	In Earth orbit
2520	2534	865229	2025-178B	WHDW 09-02	2025 Aug 17 1415	2025 Aug 17 1507:7	ZXW	CN	996	1008	86.50	In Earth orbit
2521	2535	865230	2025-178C	WHDW 09-03	2025 Aug 17 1415	2025 Aug 17 1507:7	ZXW	CN	996	1007	86.49	In Earth orbit
2522	2536	865231	2025-178D	WHDW 09-04	2025 Aug 17 1415	2025 Aug 17 1507:7	ZXW	CN	996	1007	86.49	In Earth orbit
2523	2537	865232	2025-178E	WHDW 09-05	2025 Aug 17 1415	2025 Aug 17 1507:7	ZXW	CN	996	1006	86.50	In Earth orbit
2524	2538	865235	2025-179A	Starlink 34842	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	267	281	97.60	In Earth orbit
2525	2539	865236	2025-179B	Starlink 34938	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	267	281	97.60	In Earth orbit
2526	2540	865237	2025-179C	Starlink 34958	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	267	281	97.60	In Earth orbit
2527	2541	865238	2025-179D	Starlink 34818	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	267	281	97.60	In Earth orbit
2528	2542	865239	2025-179E	Starlink 34964	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	267	280	97.60	In Earth orbit
2529	2543	865240	2025-179F	Starlink 34953	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	267	280	97.60	In Earth orbit
2530	2544	865241	2025-179G	Starlink 34969	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2541	2545	865242	2025-179H	Starlink 34963	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2542	2546	865243	2025-179J	Starlink 34982	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2543	2547	865244	2025-179K	Starlink 34990	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2544	2548	865245	2025-179L	Starlink 34973	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2545	2549	865246	2025-179M	Starlink 34959	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2546	2550	865247	2025-179N	Starlink 34923	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2547	2551	865248	2025-179P	Starlink 34962	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2548	2552	865249	2025-179Q	Starlink 34925	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2549	2553	865250	2025-179R	Starlink 34973	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2550	2554	865251	2025-179S	Starlink 34989	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2551	2555	865252	2025-179T	Starlink 34961	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2552	2556	865253	2025-179U	Starlink 34933	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2553	2557	865254	2025-179V	Starlink 34979	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2554	2558	865255	2025-179W	Starlink 34987	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2555	2559	865256	2025-179X	Starlink 34971	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2556	2560	865257	2025-179Y	Starlink 34966	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2557	2561	865258	2025-179Z	Starlink 34980	2025 Aug 18 1626:49	2025 Aug 18 1729:22	SPXS	US	266	280	97.60	In Earth orbit
2548	2562	865259	2025-180A	AIRSAT-05	2025 Aug 19 0733:07	2025 Aug 19 0755:7	ZHWK	CN	520	540	97.49	In Earth orbit
2549	2563	865260	2025-180B	?	2025 Aug 19 0733:07	2025 Aug 19 0755:7	JKY	CN	520	540	97.49	In Earth orbit
2550	2564	865261	2025-180C	?	2025 Aug 19 0733:07	2025 Aug 19 0755:7	JKY	CN	520	540	97.49	In Earth orbit
2551	2565	865262	2025-180D	?	2025 Aug 19 0733:07	2025 Aug 19 0755:7	JKY/NUDTC	CN	521	540	97.49	In Earth orbit
2552	2566	865263	2025-180E	?	2025 Aug 19 0733:07	2025 Aug 19 0755:7	NAVIBD/TLCJ	CN	521	540	97.49	In Earth orbit
2553	2567	A11621	2025-180G	?	2025 Aug 19 0733:07	2025 Aug 19 0755:7	THUMB/HAIWS	MX	521	540	97.40	In Earth orbit

2686	2700	265394	2025-191R	Starlink 35058	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2687	2701	265395	2025-191S	Starlink 35094	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2688	2702	265396	2025-191T	Starlink 34811	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2689	2703	265397	2025-191U	Starlink 34940	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2690	2704	265398	2025-191V	Starlink 34931	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2691	2705	265399	2025-191W	Starlink 34836	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2692	2706	265400	2025-191X	Starlink 34876	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2693	2707	265401	2025-191Y	Starlink 34909	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2694	2708	265402	2025-191Z	Starlink 34848	2025 Aug 30 04:59:30	2025 Aug 30 06:01:57	SPXS	US	266	279	97.60	In Earth orbit
2695	2709	265403	2025-192A	Starlink 35031	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2696	2710	265404	2025-192B	Starlink 34830	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2697	2711	265406	2025-192C	Starlink 35036	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2698	2712	265407	2025-192D	Starlink 35035	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2699	2713	265408	2025-192E	Starlink 35008	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2700	2714	265409	2025-192F	Starlink 35022	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2701	2715	265410	2025-192G	Starlink 35024	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2702	2716	265411	2025-192H	Starlink 34983	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2703	2717	265412	2025-192J	Starlink 34992	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2704	2718	265413	2025-192K	Starlink 35003	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2705	2719	265414	2025-192L	Starlink 34411	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	275	53.16	In Earth orbit
2706	2720	265415	2025-192M	Starlink 34238	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2707	2721	265416	2025-192N	Starlink 34855	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2708	2722	265417	2025-192P	Starlink 34255	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2709	2723	265418	2025-192Q	Starlink 34997	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2710	2724	265419	2025-192R	Starlink 35065	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2711	2725	265420	2025-192S	Starlink 35138	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2712	2726	265421	2025-192T	Starlink 35146	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2713	2727	265422	2025-192U	Starlink 35074	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2714	2728	265423	2025-192V	Starlink 34837	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2715	2729	265424	2025-192W	Starlink 34670	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2716	2730	265425	2025-192X	Starlink 35095	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2717	2731	265426	2025-192Y	Starlink 34883	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2718	2732	265427	2025-192Z	Starlink 34916	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2719	2733	265428	2025-192AAA	Starlink 35014	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2720	2734	265429	2025-192AB	Starlink 35044	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2721	2735	265430	2025-192AC	Starlink 35025	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2722	2736	265431	2025-192AD	Starlink 35034	2025 Aug 31 11:49:00	2025 Aug 31 12:53:11	SPXS	US	265	274	53.16	In Earth orbit
2723	2737	265432	2025-193A	'Ofreq-19	2025 Sep 2 19:30	2025 Sep 2 19:39?	DDRD\U0900	IL	616	619	139.28	In Earth orbit
2724	2738	265434	2025-194A	Starlink 35142	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	275	277	97.60	In Earth orbit
2725	2739	265435	2025-194B	Starlink 34978	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	267	279	97.60	In Earth orbit
2726	2740	265436	2025-194C	Starlink 35043	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	267	279	97.60	In Earth orbit
2727	2741	265437	2025-194D	Starlink 35080	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	267	279	97.60	In Earth orbit
2728	2742	265438	2025-194E	Starlink 35068	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	267	279	97.60	In Earth orbit
2729	2743	265439	2025-194F	Starlink 35045	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	267	279	97.60	In Earth orbit
2730	2744	265440	2025-194G	Starlink 35050	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	267	279	97.60	In Earth orbit
2731	2745	265441	2025-194H	Starlink 35065	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	267	279	97.60	In Earth orbit
2732	2746	265442	2025-194J	Starlink 34679	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2733	2747	265443	2025-194K	Starlink 34678	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2734	2748	265444	2025-194L	Starlink 35049	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2735	2749	265445	2025-194M	Starlink 35029	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2736	2750	265446	2025-194N	Starlink 34991	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2737	2751	265447	2025-194P	Starlink 34920	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2738	2752	265448	2025-194Q	Starlink 35030	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2739	2753	265449	2025-194R	Starlink 35009	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2740	2754	265450	2025-194S	Starlink 34970	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2741	2755	265451	2025-194T	Starlink 35039	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2742	2756	265452	2025-194U	Starlink 35084	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2743	2757	265453	2025-194V	Starlink 34988	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2744	2758	265454	2025-194W	Starlink 35059	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2745	2759	265455	2025-194X	Starlink 34728	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2746	2760	265456	2025-194Y	Starlink 35005	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2747	2761	265457	2025-194Z	Starlink 35076	2025 Sep 3 03:51:26	2025 Sep 3 04:54:00	SPXS	US	266	279	97.60	In Earth orbit
2748	2762	265458	2025-195A	Starlink 34874	2025 Sep 3 11:56:10	2025 Sep 3 13:00:20	SPXS	US	259	270	53.16	In Earth orbit
2749	2763	265459	2025-195B	Starlink 34867	2025 Sep 3 11:56:10	2025 Sep 3 13:00:20	SPXS	US	259	270	53.16	In Earth orbit
2750	2764	265460	2025-195C	Starlink 34850	2025 Sep 3 11:56:10	2025 Sep 3 13:00:20	SPXS	US	259	270	53.16	In Earth orbit
2751	2765	265461	2025-195D	Starlink 35159	2025 Sep 3 11:56:10	2025 Sep 3 13:00:20	SPXS	US	259	270	53.16	In Earth orbit

2884	865603	2025-207M	Starlink 35250	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2885	865604	2025-207N	Starlink 35251	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2886	865605	2025-207P	Starlink 35171	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2887	865606	2025-207Q	Starlink 35195	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2888	865607	2025-207R	Starlink 35156	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2889	865608	2025-207S	Starlink 35185	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2890	865609	2025-207T	Starlink 35053	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2891	865610	2025-207U	Starlink 35178	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2892	865611	2025-207V	Starlink 35186	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2893	865612	2025-207W	Starlink 35154	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2894	865613	2025-207X	Starlink 35162	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2895	865614	2025-207Y	Starlink 35206	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2896	865615	2025-207Z	Starlink 35174	2025 Sep 13 17:55:49	2025 Sep 13 18:58:23	SPXS	US	255	269	97.60	In Earth orbit
2897	865616	2025-208A	S.S. William C. McCool	2025 Sep 14 22:11:49	2025 Sep 14 22:26:26	NGIS	US	242	245	51.65	Attached to Falcon 9-535 Stage 2
2898	865941	1998-067XXN	YOTSUBA-KULOVER	2025 Sep 14 22:11:49	2025 Oct 10 09:50	KYUT/KYUD	J	412	416	51.63	In Earth orbit
2899	865942	1998-067XP	IWATU	2025 Sep 14 22:11:49	2025 Oct 10 09:50	EKAG	J	412	416	51.63	In Earth orbit
2900	865943	1998-067XQ	BOTAN	2025 Sep 14 22:11:49	2025 Oct 10 09:50	CHIBA	J	412	417	51.63	In Earth orbit
2901	865944	1998-067XS	DUPLEXX	2025 Sep 14 22:11:49	2025 Dec 2 08:20	CUA	US	410	418	51.63	In Earth orbit
2902	866907	1998-067XT	RHOK-SAT	2025 Sep 14 22:11:49	2025 Dec 2 08:20	RHODES	US	411	418	51.63	In Earth orbit
2903	866908	1998-067XU	EagleSat-2	2025 Sep 14 22:11:49	2025 Dec 2 08:20	ERAU	US	411	418	51.63	In Earth orbit
2904	866909	1998-067XV	SilverSat	2025 Sep 14 22:11:49	2025 Dec 2 08:20	SILVER	US	411	418	51.63	In Earth orbit
2905	866910	1998-067XW	ContentCube	2025 Sep 14 22:11:49	2025 Dec 2 08:20	VAP	US	413	419	51.63	In Earth orbit
2906	866911	1998-067XX	CU Alpha	2025 Sep 14 22:11:49	2025 Dec 2 08:20	CORN	US	410	418	51.63	In Earth orbit
2907	866912	1998-067XY	Foras Promisnoe	2025 Sep 14 22:11:49	2025 Dec 2 09:50	PERKHS	US	412	419	51.63	In Earth orbit
2908	A11628	1998-067	CU Alpha LightSail	2025 Sep 14 22:11:49	2025 Dec 4 01:47?	CORN	US	410	418	51.63	In Earth orbit
2909	865617	2025-209A	Huilanwang Jishu Shiyuan W.	2025 Sep 16 01:06	2025 Sep 16 02:00?	ZXW	CN	807	811	50.00	Reentered
2910	865618	2025-209B	Huilanwang Jishu Shiyuan W.	2025 Sep 16 01:06	2025 Sep 16 02:00?	ZXW	CN	807	810	50.00	In Earth orbit
2911	865619	2025-209C	Huilanwang Jishu Shiyuan W.	2025 Sep 16 01:06	2025 Sep 16 02:00?	ZXW	CN	808	810	50.00	In Earth orbit
2912	865620	2025-209D	Huilanwang Jishu Shiyuan W.	2025 Sep 16 01:06	2025 Sep 16 02:00?	ZXW	CN	807	810	50.00	In Earth orbit
2913	865621	2025-210A	Starlink 35247	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2914	865623	2025-210B	Starlink 35229	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2915	865624	2025-210C	Starlink 35151	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2916	865625	2025-210D	Starlink 35153	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2917	865626	2025-210E	Starlink 35225	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2918	865627	2025-210F	Starlink 35217	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2919	865628	2025-210G	Starlink 35128	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2920	865629	2025-210H	Starlink 35155	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2921	865630	2025-210I	Starlink 34877	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2922	865631	2025-210K	Starlink 35104	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2923	865632	2025-210L	Starlink 35117	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2924	865633	2025-210M	Starlink 35103	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2925	865634	2025-210N	Starlink 35123	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	275	53.16	In Earth orbit
2926	865635	2025-210P	Starlink 35150	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2927	865636	2025-210Q	Starlink 35209	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2928	865637	2025-210R	Starlink 35147	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2929	865638	2025-210S	Starlink 35213	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2930	865639	2025-210T	Starlink 35127	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2931	865640	2025-210U	Starlink 35091	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2932	865641	2025-210V	Starlink 35134	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2933	865642	2025-210W	Starlink 35109	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2934	865643	2025-210X	Starlink 35062	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2935	865644	2025-210Y	Starlink 35141	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2936	865645	2025-210Z	Starlink 35237	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2937	865646	2025-210AA	Starlink 35183	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2938	865647	2025-210AB	Starlink 35202	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2939	865648	2025-210AC	Starlink 34868	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2940	865649	2025-210AD	Starlink 35079	2025 Sep 18 09:30:00	2025 Sep 18 10:34:14	SPXS	US	263	274	53.16	In Earth orbit
2941	865650	2025-210B	Starlink 35228	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	270	97.60	In Earth orbit
2942	865651	2025-210C	Starlink 34210	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	270	97.60	In Earth orbit
2943	865652	2025-210D	Starlink 35227	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2944	865653	2025-210E	Starlink 35240	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2945	865654	2025-210F	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2946	865655	2025-210G	Starlink 35344	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2947	865656	2025-210H	Starlink 34540	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2948	865657	2025-210I	Starlink 35282	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2949	865658	2025-210J	Starlink 35120	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2950	865659	2025-210K	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2951	865660	2025-210L	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2952	865661	2025-210M	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2953	865662	2025-210N	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2954	865663	2025-210O	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2955	865664	2025-210P	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2956	865665	2025-210Q	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2957	865666	2025-210R	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2958	865667	2025-210S	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2959	865668	2025-210T	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2960	865669	2025-210U	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2961	865670	2025-210V	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2962	865671	2025-210W	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2963	865672	2025-210X	Starlink 35246	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit

2950	2956661	2025-211K	Starlink 35220	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2951	8656662	2025-211L	Starlink 35176	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2952	8656663	2025-211M	Starlink 35190	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2953	8656664	2025-211N	Starlink 35201	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2954	8656665	2025-211P	Starlink 35185	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2955	8656666	2025-211Q	Starlink 35181	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2956	8656667	2025-211R	Starlink 35361	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2957	8656668	2025-211S	Starlink 35351	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2958	8656669	2025-211T	Starlink 35353	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2959	8656701	2025-211U	Starlink 35359	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2960	8656710	2025-211V	Starlink 35194	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2961	8656722	2025-211W	Starlink 35198	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2962	865673	2025-211X	Starlink 35177	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2963	865674	2025-211Y	Starlink 35254	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2964	865675	2025-211Z	Starlink 34749	2025 Sep 19 16:31:39	2025 Sep 19 17:34:11	SPXS	US	256	269	97.60	In Earth orbit
2965	865677	2025-212A	Starlink 35189	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2966	865677	2025-212B	Starlink 35222	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2967	865678	2025-212C	Starlink 35233	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2968	865679	2025-212D	Starlink 35205	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2969	865680	2025-212E	Starlink 35070	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2970	865681	2025-212F	Starlink 35230	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2971	865682	2025-212G	Starlink 35235	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2972	865683	2025-212H	Starlink 34886	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2973	865684	2025-212I	Starlink 34795	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2974	865685	2025-212J	Starlink 35145	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2975	865686	2025-212L	Starlink 35137	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2976	865687	2025-212M	Starlink 34856	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2977	865688	2025-212N	Starlink 34930	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2978	865689	2025-212P	Starlink 34875	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2979	865690	2025-212Q	Starlink 34790	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2980	865691	2025-212R	Starlink 34691	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2981	865692	2025-212S	Starlink 34825	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2982	865693	2025-212T	Starlink 35060	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2983	865694	2025-212U	Starlink 35204	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2984	865695	2025-212V	Starlink 35221	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2985	865696	2025-212W	Starlink 34734	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2986	865697	2025-212X	Starlink 35113	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2987	865698	2025-212Y	Starlink 35090	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2988	865699	2025-212Z	Starlink 35086	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2989	865700	2025-212AA	Starlink 35101	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	271	53.16	In Earth orbit
2990	865701	2025-212AB	Starlink 35046	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	272	53.16	In Earth orbit
2991	865702	2025-212AC	Starlink 35075	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	271	53.16	In Earth orbit
2992	865703	2025-212AD	Starlink 34839	2025 Sep 21 10:53:00	2025 Sep 21 11:57:14	SPXS	US	261	271	53.16	In Earth orbit
2993	865704	2025-213A	USA 558	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	469	474	69.96	In Earth orbit
2994	865705	2025-213B	USA 559	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	464	469	69.98	In Earth orbit
2995	865706	2025-213C	USA 560	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	464	469	69.98	In Earth orbit
2996	865707	2025-213D	USA 561	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	466	470	69.98	In Earth orbit
2997	865708	2025-213E	USA 562	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	465	470	69.98	In Earth orbit
2998	865709	2025-213F	USA 563	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	464	468	69.98	In Earth orbit
2999	865710	2025-213G	USA 564	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	464	470	69.97	In Earth orbit
3000	865711	2025-213H	USA 565	2025 Sep 22 17:38	2025 Sep 22 18:40?	NROC	US	463	468	69.98	In Earth orbit
3001	865712	2025-214A	Shikongxing 01	2025 Sep 24 07:56	2025 Sep 24 08:06?	PKU	CN	582	604	49.98	In Earth orbit
3002	865713	2025-214B	Geely Xingzao 06 zu 01 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	585	604	49.99	In Earth orbit
3003	865714	2025-214C	Geely Xingzao 06 zu 02 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	584	604	49.99	In Earth orbit
3004	865715	2025-214D	Geely Xingzao 06 zu 03 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	584	604	49.98	In Earth orbit
3005	865716	2025-214E	Geely Xingzao 06 zu 04 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	584	604	49.98	In Earth orbit
3006	865717	2025-214F	Geely Xingzao 06 zu 05 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	584	604	49.99	In Earth orbit
3007	865718	2025-214G	Geely Xingzao 06 zu 06 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	585	602	49.98	In Earth orbit
3008	865719	2025-214H	Geely Xingzao 06 zu 07 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	583	604	49.99	In Earth orbit
3009	865720	2025-214I	Geely Xingzao 06 zu 08 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	583	604	49.99	In Earth orbit
3024	865721	2025-214K	Geely Xingzao 06 zu 09 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	584	604	49.98	In Earth orbit
3025	865722	2025-214L	Geely Xingzao 06 zu 10 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	584	602	49.98	In Earth orbit
3012	865723	2025-214M	Geely Xingzao 06 zu 11 xing	2025 Sep 24 07:56	2025 Sep 24 08:06?	GEESP	CN	583	604	49.99	In Earth orbit
3026	IMAP			2025 Sep 24 13:00:50	2025 Sep 24 12:54:41	APL/GSFC	US	188	188	1164400	28.37 SEL1
3013	865725	2025-215A	SWFO-L1	2025 Sep 24 11:30:50	2025 Sep 24 13:01:16	NOAA/NESD	US	188	1164400	28.37	SEL1
3014	865726	2025-215B		2025 Sep 24 11:30:50	2025 Sep 24 13:06:36	GSFC	US	188	1164400	28.37	SEL1
3015	865727	2025-215C	Carruthers Geocorona Obs.								

3082	3086	3096	3082	2025-218M	Starlink 34919	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3083	3097	3097	3083	2025-218N	Starlink 35286	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3084	3098	3098	3084	2025-218P	Starlink 35266	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3085	3099	3099	3085	2025-218Q	Starlink 35273	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3086	3100	3100	3086	2025-218R	Starlink 35047	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3087	3101	3101	3087	2025-218S	Starlink 35285	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3088	3102	3102	3088	2025-218T	Starlink 34580	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3089	3103	3103	3089	2025-218U	Starlink 35289	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3090	3104	3104	3090	2025-218V	Starlink 35268	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3091	3105	3105	3091	2025-218W	Starlink 35274	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3092	3106	3106	3092	2025-218X	Starlink 35271	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3093	3107	3107	3093	2025-218Y	Starlink 35215	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3094	3108	3108	3094	2025-218Z	Starlink 35157	2025 Sep 26 04:26:29	2025 Sep 26 05:28:36	SPXS	US	254	267	97.60	In Earth orbit
3095	3109	3109	3095	2025-219A	Feng Yun 3H	2025 Sep 26 19:50	2025 Sep 26 19:50	NSMC	CN	798	814	98.64	In Earth orbit
3096	3110	3110	3096	2025-220A	WHDW 11-01	2025 Sep 27 12:40	2025 Sep 27 13:31	ZXW	CN	996	1009	86.50	In Earth orbit
3097	3111	3111	3097	2025-220B	WHDW 11-02	2025 Sep 27 12:40	2025 Sep 27 13:31	ZXW	CN	996	1008	86.50	In Earth orbit
3098	3112	3112	3098	2025-220C	WHDW 11-03	2025 Sep 27 12:40	2025 Sep 27 13:31	ZXW	CN	996	1007	86.49	In Earth orbit
3099	3113	3113	3099	2025-220D	WHDW 11-04	2025 Sep 27 12:40	2025 Sep 27 13:31	ZXW	CN	996	1006	86.50	In Earth orbit
3100	3114	3114	3100	2025-220E	WHDW 11-05	2025 Sep 27 12:40	2025 Sep 27 13:31	ZXW	CN	996	1006	86.50	In Earth orbit
3101	3115	3115	3101	2025-221A	Starlink 35392	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	272	53.16	In Earth orbit
3102	3116	3116	3102	2025-221B	Starlink 35281	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	272	53.16	In Earth orbit
3103	3117	3117	3103	2025-221C	Starlink 35397	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3104	3118	3118	3104	2025-221D	Starlink 35381	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3105	3119	3119	3105	2025-221E	Starlink 35393	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3106	3120	3120	3106	2025-221F	Starlink 35396	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3107	3121	3121	3107	2025-221G	Starlink 35244	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	255	270	53.16	In Earth orbit
3108	3122	3122	3108	2025-221H	Starlink 35368	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3109	3123	3123	3109	2025-221I	Starlink 35337	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3110	3124	3124	3110	2025-221J	Starlink 35277	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3111	3125	3125	3111	2025-221K	Starlink 35345	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3112	3126	3126	3112	2025-221L	Starlink 35320	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3113	3127	3127	3113	2025-221M	Starlink 35349	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3114	3128	3128	3114	2025-221N	Starlink 35356	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3115	3129	3129	3115	2025-221Q	Starlink 35314	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3116	3130	3130	3116	2025-221R	Starlink 35324	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3117	3131	3131	3117	2025-221S	Starlink 35102	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3118	3132	3132	3118	2025-221T	Starlink 35364	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3119	3133	3133	3119	2025-221U	Starlink 35238	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3120	3134	3134	3120	2025-221V	Starlink 35298	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3121	3135	3135	3121	2025-221W	Starlink 35301	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3122	3136	3136	3122	2025-221X	Starlink 35148	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3123	3137	3137	3123	2025-221Y	Starlink 35302	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3124	3138	3138	3124	2025-221Z	Starlink 35290	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3125	3139	3139	3125	2025-221AA	Starlink 35262	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	Reentered
3126	3140	3140	3126	2025-221AB	Starlink 35308	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3127	3141	3141	3127	2025-221AC	Starlink 35231	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	258	271	53.16	In Earth orbit
3128	3142	3142	3128	2025-221AD	Starlink 35252	2025 Sep 29 02:04:50	2025 Sep 29 03:05:00	SPXS	US	257	271	53.16	In Earth orbit
3129	3143	3143	3129	2025-222A	Shiyao 30-01	2025 Sep 29 03:00	2025 Sep 29 03:10	SAST	CN	584	590	34.99	In Earth orbit
3130	3144	3144	3130	2025-222B	Shiyao 30-02	2025 Sep 29 03:00	2025 Sep 29 03:10	SAST	CN	583	590	35.00	In Earth orbit
3131	3145	3145	3131	2025-223A	Starlink 35208	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3132	3146	3146	3132	2025-223B	Starlink 35200	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3133	3147	3147	3133	2025-223C	Starlink 35459	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3134	3148	3148	3134	2025-223D	Starlink 35489	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3135	3149	3149	3135	2025-223E	Starlink 35199	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3136	3150	3150	3136	2025-223F	Starlink 35408	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3137	3151	3151	3137	2025-223G	Starlink 35303	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3138	3152	3152	3138	2025-223H	Starlink 35258	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3139	3153	3153	3139	2025-223J	Starlink 35386	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3140	3154	3154	3140	2025-223K	Starlink 35469	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	262	274	53.16	In Earth orbit
3141	3155	3155	3141	2025-223L	Starlink 35471	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	261	274	53.16	In Earth orbit
3142	3156	3156	3142	2025-223M	Starlink 35475	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	261	274	53.16	In Earth orbit
3143	3157	3157	3143	2025-223N	Starlink 35312	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	261	274	53.16	In Earth orbit
3144	3158	3158	3144	2025-223P	Starlink 35456	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	261	274	53.16	In Earth orbit
3145	3159	3159	3145	2025-223Q	Starlink 35450	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	261	274	53.16	In Earth orbit
3146	3160	3160	3146	2025-223R	Starlink 35441	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	261	274	53.16	In Earth orbit
3147	3161	3161	3147	2025-223S	Starlink 35433	2025 Oct 3 14:06:50	2025 Oct 3 15:07:44	SPXS	US	261	274	53.16	In Earth orbit

3214	3214	3214	Starlink 35473	2025-225AD	2025 Oct 8 03:54:00	2025 Oct 8 04:54:31	SPXS	US	258	265	53.16	In Earth orbit
3215	3215	3215	Jixing Kuanfu-02B 07	2025-226A	2025 Oct 11 02:20	2025 Oct 11 02:32	CGSTL	CN	529	546	97.59	In Earth orbit
3216	3216	3216	Shutianyuqing-01 shiyan xing	2025-226B	2025 Oct 11 02:20	2025 Oct 11 02:32	SDK	CN	522	542	97.66	In Earth orbit
3217	3217	3217	Shutianyuqing-02 shiyan xing	2025-226C	2025 Oct 11 02:20	2025 Oct 11 02:32	SDK	CN	522	541	97.66	In Earth orbit
3218	3218	3218	Shiyan 31	2025-227A	2025 Oct 13 10:00	2025 Oct 13 10:07	CASST	CN	497	513	80.00	In Earth orbit
3219	3219	3219	Starship FT-11	2025-227A	2025 Oct 13 23:32:45	2025 Oct 13 23:32:43	SPX	US	-1	192	26.40	Orbit insertion
3220	3220	3220	Kuiper-00101	2025-228A	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3221	3221	3221	Kuiper-00113	2025-228B	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	457	466	51.88	In Earth orbit
3222	3222	3222	Kuiper-00117	2025-228C	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	458	466	51.88	In Earth orbit
3223	3223	3223	Kuiper-00122	2025-228E	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	460	468	51.88	In Earth orbit
3224	3224	3224	Kuiper-00123	2025-228F	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3225	3225	3225	Kuiper-00124	2025-228G	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	460	468	51.88	In Earth orbit
3226	3226	3226	Kuiper-00125	2025-228H	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3227	3227	3227	Kuiper-00126	2025-228I	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	460	468	51.88	In Earth orbit
3228	3228	3228	Kuiper-00127	2025-228K	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	458	466	51.88	In Earth orbit
3229	3229	3229	Kuiper-00128	2025-228L	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3230	3230	3230	Kuiper-00129	2025-228M	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3231	3231	3231	Kuiper-00130	2025-228N	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3232	3232	3232	Kuiper-00134	2025-228P	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	460	468	51.88	In Earth orbit
3233	3233	3233	Kuiper-00135	2025-228Q	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3234	3234	3234	Kuiper-00137	2025-228R	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	458	467	51.88	In Earth orbit
3235	3235	3235	Kuiper-00138	2025-228S	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3236	3236	3236	Kuiper-00137	2025-228S	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	458	467	51.88	In Earth orbit
3237	3237	3237	Kuiper-00138	2025-228T	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	460	468	51.88	In Earth orbit
3238	3238	3238	Kuiper-00140	2025-228U	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	460	468	51.88	In Earth orbit
3239	3239	3239	Kuiper-00141	2025-228V	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3240	3240	3240	Kuiper-00146	2025-228W	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	458	466	51.88	In Earth orbit
3241	3241	3241	Kuiper-00149	2025-228X	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	459	467	51.88	In Earth orbit
3242	3242	3242	Kuiper-00154	2025-228Y	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	458	466	51.88	In Earth orbit
3243	3243	3243	Kuiper-00157	2025-228Z	2025 Oct 14 01:58:00	2025 Oct 14 03:00?	KUIP	US	460	468	51.88	In Earth orbit
3244	3244	3244	StarX-5	2025-229A	2025 Oct 14 16:33	2025 Oct 14 17:33:03	SYNSP	J	530	588	41.98	In Earth orbit
3245	3245	3245	SDA-1664	2025-230A	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3246	3246	3246	SDA-1665	2025-230B	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3247	3247	3247	SDA-1666	2025-230C	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	945	949	81.30	In Earth orbit
3248	3248	3248	SDA-1667	2025-230D	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	943	949	81.30	In Earth orbit
3249	3249	3249	SDA-1668	2025-230E	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	940	948	81.30	In Earth orbit
3250	3250	3250	SDA-1669	2025-230F	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	949	949	81.30	In Earth orbit
3251	3251	3251	SDA-1670	2025-230G	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3252	3252	3252	SDA-1671	2025-230H	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3253	3253	3253	SDA-1672	2025-230I	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	941	948	81.30	In Earth orbit
3254	3254	3254	SDA-1673	2025-230K	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	943	949	81.30	In Earth orbit
3255	3255	3255	SDA-1674	2025-230L	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	940	947	81.30	In Earth orbit
3256	3256	3256	SDA-1675	2025-230M	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	948	81.30	In Earth orbit
3257	3257	3257	SDA-1676	2025-230N	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	945	949	81.30	In Earth orbit
3258	3258	3258	SDA-1677	2025-230P	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3259	3259	3259	SDA-1678	2025-230Q	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3260	3260	3260	SDA-1679	2025-230R	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	943	948	81.30	In Earth orbit
3261	3261	3261	SDA-1680	2025-230S	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	941	949	81.30	In Earth orbit
3262	3262	3262	SDA-1681	2025-230T	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	941	949	81.30	In Earth orbit
3263	3263	3263	SDA-1682	2025-230U	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	943	949	81.30	In Earth orbit
3264	3264	3264	SDA-1683	2025-230V	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3265	3265	3265	SDA-1684	2025-230W	2025 Oct 15 23:06:06	2025 Oct 16 00:30?	SDA	US	944	949	81.30	In Earth orbit
3266	3266	3266	WHDW 12-01	2025-231A	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	868	878	50.00	In Earth orbit
3267	3267	3267	WHDW 12-02	2025-231B	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	866	879	50.00	In Earth orbit
3268	3268	3268	WHDW 12-03	2025-231C	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	868	877	50.00	In Earth orbit
3269	3269	3269	WHDW 12-04	2025-231D	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	867	878	50.00	In Earth orbit
3270	3270	3270	WHDW 12-05	2025-231E	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	866	878	50.00	In Earth orbit
3271	3271	3271	WHDW 12-06	2025-231F	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	867	876	50.01	In Earth orbit
3272	3272	3272	WHDW 12-07	2025-231G	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	866	877	50.01	In Earth orbit
3273	3273	3273	WHDW 12-08	2025-231H	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	866	876	50.00	In Earth orbit
3274	3274	3274	WHDW 12-09	2025-231I	2025 Oct 16 01:33:09?	2025 Oct 16 02:15?	ZXX	CN	868	876	50.01	In Earth orbit
3275	3275	3275	Starlink 34849	2025-232A	2025 Oct 16 09:27:10	2025 Oct 16 10:31:22	SPXS	US	260	271	53.16	In Earth orbit
3276	3276	3276	Starlink 35336	2025-232B	2025 Oct 16 09:27:10	2025 Oct 16 10:31:22	SPXS	US	260	271	53.16	In Earth orbit
3277	3277	3277	Starlink 35196	2025-232C	2025 Oct 16 09:27:10	2025 Oct 16 10:31:22	SPXS	US	260	271	53.16	In Earth orbit
3278	3278	3278	Starlink 35236	2025-232D	2025 Oct 16 09:27:10	2025 Oct 16 10:31:22	SPXS	US	260	271	53.16	In Earth orbit
3279	3279	3279	Starlink 35276	2025-232E	2025 Oct 16 09:27:10	2025 Oct 16 10:31:22	SPXS	US	260	271	53.16	In Earth orbit

3346	366080	2025-235Y	Starlink 35325	2025 Oct 19 1739:40	2025 Oct 19 1843:55	SPXS	US	260	267	53.16	In Earth orbit
3347	366081	2025-235Z	Starlink 35403	2025 Oct 19 1739:40	2025 Oct 19 1843:55	SPXS	US	260	267	53.16	In Earth orbit
3348	366082	2025-235AA	Starlink 35011	2025 Oct 19 1739:40	2025 Oct 19 1843:55	SPXS	US	260	267	53.16	In Earth orbit
3349	366083	2025-235AB	Starlink 35291	2025 Oct 19 1739:40	2025 Oct 19 1843:55	SPXS	US	260	267	53.16	In Earth orbit
3350	366084	2025-235AC	Starlink 35379	2025 Oct 19 1739:40	2025 Oct 19 1843:55	SPXS	US	260	267	53.16	In Earth orbit
3351	366085	2025-235AD	Starlink 35370	2025 Oct 19 1739:40	2025 Oct 19 1843:55	SPXS	US	260	267	53.16	In Earth orbit
3352	366086	2025-236A	Starlink 35596	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3353	366087	2025-236B	Starlink 35563	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3354	366088	2025-236C	Starlink 35461	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3355	366089	2025-236D	Starlink 35571	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3356	366090	2025-236E	Starlink 35570	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3357	366091	2025-236F	Starlink 35532	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3358	366092	2025-236G	Starlink 35527	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3359	366093	2025-236H	Starlink 35590	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3360	366094	2025-236I	Starlink 35528	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3361	366095	2025-236K	Starlink 35559	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3362	366096	2025-236L	Starlink 34386	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3363	366097	2025-236M	Starlink 35613	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3364	366098	2025-236N	Starlink 34206	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3365	366099	2025-236P	Starlink 34460	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3366	366100	2025-236Q	Starlink 35609	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3367	366101	2025-236R	Starlink 35595	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3368	366102	2025-236S	Starlink 35599	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3369	366103	2025-236T	Starlink 35622	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3370	366104	2025-236U	Starlink 35452	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3371	366105	2025-236V	Starlink 35561	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	259	271	53.16	In Earth orbit
3372	366106	2025-236W	Starlink 35584	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	259	271	53.16	In Earth orbit
3373	366107	2025-236X	Starlink 35593	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	259	271	53.16	In Earth orbit
3374	366108	2025-236Y	Starlink 35590	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3375	366109	2025-236Z	Starlink 35545	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	260	271	53.16	In Earth orbit
3376	366110	2025-236AA	Starlink 35427	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	259	271	53.16	In Earth orbit
3377	366111	2025-236AB	Starlink 35574	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	259	271	53.16	In Earth orbit
3378	366112	2025-236AC	Starlink 35531	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	259	271	53.16	In Earth orbit
3379	366113	2025-236AD	Starlink 35491	2025 Oct 19 1924:00	2025 Oct 19 2024:16	SPXS	US	259	271	53.16	In Earth orbit
3380	366114	2025-237A	Starlink 35496	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3381	366115	2025-237B	Starlink 35428	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3382	366116	2025-237C	Starlink 35573	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3383	366117	2025-237D	Starlink 35572	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3384	366118	2025-237E	Starlink 35468	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3385	366119	2025-237F	Starlink 35547	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3386	366120	2025-237G	Starlink 35553	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3387	366121	2025-237H	Starlink 35631	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3388	366122	2025-237I	Starlink 35653	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3389	366123	2025-237K	Starlink 35628	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3390	366124	2025-237L	Starlink 35645	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3391	366125	2025-237M	Starlink 35637	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3392	366126	2025-237N	Starlink 35658	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3393	366127	2025-237P	Starlink 35629	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3394	366128	2025-237Q	Starlink 35612	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3395	366129	2025-237R	Starlink 35632	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3396	366130	2025-237S	Starlink 35637	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3397	366131	2025-237T	Starlink 35630	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3398	366132	2025-237U	Starlink 34412	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3399	366133	2025-237V	Starlink 35520	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3400	366134	2025-237W	Starlink 35525	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3401	366135	2025-237X	Starlink 34852	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	271	53.16	In Earth orbit
3402	366136	2025-237Y	Starlink 35592	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	270	53.16	In Earth orbit
3403	366137	2025-237Z	Starlink 35576	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	270	53.16	In Earth orbit
3404	366138	2025-237AA	Starlink 35623	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	270	53.16	In Earth orbit
3405	366139	2025-237AB	Starlink 35549	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	270	53.16	In Earth orbit
3406	366140	2025-237AC	Starlink 35625	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	270	53.16	In Earth orbit
3407	366141	2025-237AD	Starlink 35603	2025 Oct 22 1416:20	2025 Oct 22 1516:39	SPXS	US	258	270	53.16	In Earth orbit
3408	366142	2025-238A	Tongxin Jisu Shiyun 20	2025 Oct 23 1430	2025 Oct 23 1508*7	ZZB/CAST	CN	35780	35793	5.93	In Earth orbit
3409	366144	2025-239A	Spainsat NG-2	2025 Oct 24 0130:00	2025 Oct 24 0204:10*7	HISD	E	409	62984	26.78	In Earth orbit
3410	366146	2025-240A	Starlink 35318	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3411	366147	2025-240B	Starlink 33948	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit

3412	2025-240C	Starlink 35081	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3413	2025-240D	Starlink 35601	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3414	2025-240E	Starlink 35605	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3415	2025-240F	Starlink 35540	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3416	2025-240G	Starlink 35455	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3417	2025-240H	Starlink 34752	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3418	2025-240J	Starlink 34625	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3419	2025-240K	Starlink 35580	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3420	2025-240L	Starlink 35621	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3421	2025-240M	Starlink 35594	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3422	2025-240N	Starlink 35587	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3423	2025-240P	Starlink 35586	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3424	2025-240Q	Starlink 35636	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3425	2025-240R	Starlink 35635	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	263	275	53.16	In Earth orbit
3426	2025-240S	Starlink 35632	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3427	2025-240T	Starlink 35607	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3428	2025-240U	Starlink 35614	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3429	2025-240V	Starlink 35575	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3430	2025-240W	Starlink 35624	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3431	2025-240X	Starlink 35641	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3432	2025-240Y	Starlink 35578	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3433	2025-240Z	Starlink 35638	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3434	2025-240AA	Starlink 35585	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3435	2025-240AB	Starlink 35606	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3436	2025-240AC	Starlink 35627	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3437	2025-240AD	Starlink 35634	2025 Oct 25 1420:50	2025 Oct 25 1520:58	SPXS	US	262	274	53.16	In Earth orbit
3438	2025-240AE	HTV-X1	2025 Oct 26 0000:15	2025 Oct 26 0014:18	JAXA	J	347	389	51.63	Attached to H3 F7 Stage 2
3439	1998-067XZ	KNACKSAT-2	2025 Oct 26 0000:15	2026 Feb 3 0855	KMUTNBKXYUT	T	413	423	51.63	In Earth orbit
3440	1998-067YA	Gxtiba-1	2025 Oct 26 0000:15	2026 Feb 3 0845	UPAUEP	MX	411	426	51.63	In Earth orbit
3441	1998-067YB	LEOPARD	2025 Oct 26 0000:15	2026 Feb 3 1055	KYUT	J	413	423	51.63	In Earth orbit
3442	1998-067YC	Teturu	2025 Oct 26 0000:15	2026 Feb 3 1055	HUS	J	413	423	51.63	In Earth orbit
3443	1998-067YD	ROSAP	2025 Oct 26 0000:15	2026 Feb 3 0845	ROSAP	J	408	426	51.63	In Earth orbit
3444	1998-067YE	UTIMSAT-2	2025 Oct 26 0000:15	2026 Feb 3 1055	UTIM	MY	412	423	51.63	In Earth orbit
3445	1998-067	Tenkoh-2	2025 Oct 26 0000:15	-	NIHON	J	0	0	0.00	Attached to H-SSOD No. 1
3446	2025-242A	Gao Fen 14-02	2025 Oct 26 0355	2025 Oct 26 0450	YWZB	CN	476	491	97.44	In Earth orbit
3447	2025-243A	Starlink 35332	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3448	2025-243B	Starlink 35363	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3449	2025-243C	Starlink 35346	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3450	2025-243D	Starlink 35335	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3451	2025-243E	Starlink 35342	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3452	2025-243F	Starlink 35333	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3453	2025-243G	Starlink 35310	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3454	2025-243H	Starlink 35317	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3455	2025-243I	Starlink 35377	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3456	2025-243K	Starlink 35365	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3457	2025-243L	Starlink 35350	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3458	2025-243M	Starlink 35041	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3459	2025-243N	Starlink 34694	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3460	2025-243O	Starlink 34863	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3461	2025-243P	Starlink 35409	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3462	2025-243Q	Starlink 35061	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3463	2025-243R	Starlink 34937	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3464	2025-243L	Starlink 35350	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3465	2025-243M	Starlink 35041	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3466	2025-243N	Starlink 34694	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3467	2025-243O	Starlink 34863	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3468	2025-243P	Starlink 35409	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3469	2025-243Q	Starlink 35259	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3470	2025-243R	Starlink 35197	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3471	2025-243S	Starlink 35374	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3472	2025-243T	Starlink 34813	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3473	2025-243U	Starlink 35409	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3474	2025-243X	Starlink 35259	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3475	2025-243Y	Starlink 35197	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3476	2025-243Z	Starlink 35509	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3477	2025-243A	Starlink 35551	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3478	2025-243AA	Starlink 35543	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3479	2025-243AB	Starlink 35534	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3480	2025-243AC	Starlink 35548	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3474	2025-243AD	Starlink 35490	2025 Oct 26 1500:40	2025 Oct 26 1604:55	SPXS	US	263	274	53.16	In Earth orbit
3482	2025-244A	Starlink 35748	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53.16	In Earth orbit
3483	2025-244B	Starlink 35747	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53.16	In Earth orbit
3484	2025-244C	Starlink 35751	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53.16	In Earth orbit

3478	3485	S66209	2025-244D	Starlink 35750	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3479	3486	S66210	2025-244E	Starlink 35740	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3480	3487	S66211	2025-244F	Starlink 35730	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3481	3488	S66212	2025-244G	Starlink 35720	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3482	3489	S66213	2025-244H	Starlink 34204	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3483	3490	S66214	2025-244I	Starlink 35714	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3484	3491	S66215	2025-244K	Starlink 35712	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3485	3492	S66216	2025-244L	Starlink 35709	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3486	3493	S66217	2025-244M	Starlink 35700	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3487	3494	S66218	2025-244N	Starlink 35722	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3488	3495	S66219	2025-244P	Starlink 35737	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	270	53:16	In Earth orbit
3489	3496	S66220	2025-244Q	Starlink 35677	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	271	53:16	In Earth orbit
3490	3497	S66221	2025-244R	Starlink 35704	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	271	53:16	In Earth orbit
3491	3498	S66222	2025-244S	Starlink 35666	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3492	3499	S66223	2025-244T	Starlink 35664	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	262	271	53:16	In Earth orbit
3493	3500	S66224	2025-244U	Starlink 35733	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3494	3501	S66225	2025-244V	Starlink 35734	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3495	3502	S66226	2025-244W	Starlink 34466	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3496	3503	S66227	2025-244X	Starlink 34882	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3497	3504	S66228	2025-244Y	Starlink 35731	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3498	3505	S66229	2025-244Z	Starlink 35738	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3499	3506	S66230	2025-244AA	Starlink 35736	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3500	3507	S66231	2025-244AB	Starlink 35735	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3501	3508	S66232	2025-244AC	Starlink 35753	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3502	3509	S66233	2025-244AD	Starlink 35626	2025 Oct 28 0043:49	2025 Oct 28 0144:11	SPXS	US	261	271	53:16	In Earth orbit
3503	3510	S66234	2025-244A	Starlink 35537	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3504	3511	S66235	2025-244B	Starlink 35541	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3505	3512	S66236	2025-244C	Starlink 35454	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3506	3513	S66237	2025-244D	Starlink 35557	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3507	3514	S66238	2025-244E	Starlink 35556	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3508	3515	S66239	2025-244F	Starlink 35554	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3509	3516	S66240	2025-244G	Starlink 35546	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3510	3517	S66241	2025-244H	Starlink 35497	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3511	3518	S66242	2025-244I	Starlink 35480	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3512	3519	S66243	2025-244J	Starlink 35486	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3513	3520	S66244	2025-244K	Starlink 35495	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3514	3521	S66245	2025-244L	Starlink 35517	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3515	3522	S66246	2025-244M	Starlink 35503	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3516	3523	S66247	2025-244N	Starlink 35434	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3517	3524	S66248	2025-244P	Starlink 35481	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3518	3525	S66249	2025-244R	Starlink 35304	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3519	3526	S66250	2025-244S	Starlink 35338	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3520	3527	S66251	2025-244T	Starlink 35485	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3521	3528	S66252	2025-244U	Starlink 35483	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3522	3529	S66253	2025-244V	Starlink 35486	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3523	3530	S66254	2025-244W	Starlink 35488	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3524	3531	S66255	2025-244X	Starlink 35616	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3525	3532	S66256	2025-244Y	Starlink 35619	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3526	3533	S66257	2025-244Z	Starlink 35615	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3527	3534	S66258	2025-244AA	Starlink 34650	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3528	3535	S66259	2025-244AB	Starlink 35529	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3529	3536	S66260	2025-244AC	Starlink 35420	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3530	3537	S66261	2025-244AD	Starlink 35536	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3531	3538	S66262	2025-244AE	Starlink 35487	2025 Oct 29 1635:20	2025 Oct 29 1739:21	SPXS	US	264	270	53:16	In Earth orbit
3532	3539	S66263	2025-244G	Shenzhou 21	2025 Oct 31 1544:46	2025 Oct 31 1554:26	CMSEFO	CN	383	392	41:47	Landed
3533	3540	S66265	2025-247A	Starlink 35801	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	271	53:16	In Earth orbit
3534	3541	S66266	2025-247B	Starlink 35056	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	271	53:16	In Earth orbit
3535	3542	S66267	2025-247C	Starlink 35550	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	271	53:16	In Earth orbit
3536	3543	S66268	2025-247D	Starlink 35069	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	271	53:16	In Earth orbit
3537	3544	S66269	2025-247E	Starlink 34910	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	270	53:16	In Earth orbit
3538	3545	S66270	2025-247F	Starlink 35757	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	271	53:16	In Earth orbit
3539	3546	S66271	2025-247G	Starlink 35745	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	270	53:16	In Earth orbit
3540	3547	S66272	2025-247H	Starlink 35740	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	270	53:16	In Earth orbit
3541	3548	S66273	2025-247J	Starlink 35731	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	270	53:16	In Earth orbit
3542	3549	S66274	2025-247K	Starlink 35760	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	270	53:16	In Earth orbit
3543	3550	S66275	2025-247L	Starlink 35752	2025 Oct 31 2041:10	2025 Oct 31 2141:37	SPXS	US	259	270	53:16	In Earth orbit

3544	3551	3544	Starlink 35742	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3545	3552	3545	Starlink 35708	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3546	3553	3546	Starlink 35713	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3547	3554	3547	Starlink 35724	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3548	3555	3548	Starlink 35726	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3549	3556	3549	Starlink 35727	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3550	3557	3550	Starlink 35776	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3551	3558	3551	Starlink 35774	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	259	270	53.16	In Earth orbit
3552	3559	3552	Starlink 35870	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3553	3560	3553	Starlink 35819	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3554	3561	3554	Starlink 35783	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3555	3562	3555	Starlink 34884	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3556	3563	3556	Starlink 34896	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3557	3564	3557	Starlink 35802	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3558	3565	3558	Starlink 35799	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3559	3566	3559	Starlink 35800	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3560	3567	3560	Starlink 35798	2025 Oct 31 2041:10	2025 Oct 31 21:41:37	SPXS	US	258	270	53.16	In Earth orbit
3561	3568	3561	ADD-425-5	2025 Nov 2 0509:59	2025 Nov 2 0522	DAPA	KR	570	573	42.41	In Earth orbit
3562	3569	3562	Semi-1L	2025 Nov 2 0509:59	2025 Nov 2 0621	UNKTR	TR	509	512	45.40	In Earth orbit
3563	3570	3563	Lemur-2 Affix-Warwie	2025 Nov 2 0509:59	2025 Nov 2 0620	SPIRE	US	508	512	45.40	In Earth orbit
3564	3571	3564	TAURUS 3	2025 Nov 2 0509:59	2025 Nov 2 0619	TURKS	TR	491	513	45.41	In Earth orbit
3565	3572	3565	Semi-1N	2025 Nov 2 0509:59	2025 Nov 2 0619	UNKTR	TR	502	511	45.41	In Earth orbit
3566	3573	3566	Semi-1P	2025 Nov 2 0509:59	2025 Nov 2 0619	UNKTR	TR	508	512	45.40	In Earth orbit
3567	3574	3567	FCN-100-02	2025 Nov 2 0509:59	2025 Nov 2 0622	FERG	TR	498	510	45.40	In Earth orbit
3568	3575	3568	Foresight-3	2025 Nov 2 0509:59	2025 Nov 2 0621	SP42	UAE	497	509	45.40	In Earth orbit
3569	3576	3569	Foresight-4	2025 Nov 2 0509:59	2025 Nov 2 0622	SP42	UAE	498	509	45.40	In Earth orbit
3570	3577	3570	Foresight-5	2025 Nov 2 0509:59	2025 Nov 2 0623	SP42	UAE	510	512	45.41	In Earth orbit
3571	3578	3571	Starcloud-1	2025 Nov 2 0509:59	2025 Nov 2 0623	STARCL	UAE	508	512	45.40	In Earth orbit
3572	3579	3572	CEVROSAT	2025 Nov 2 0509:59	2025 Nov 2 0619	CEVRO	CZ	508	510	45.40	In Earth orbit
3573	3580	3573	TAURUS 1	2025 Nov 2 0509:59	2025 Nov 2 0619	TURKS	TR	511	512	45.40	In Earth orbit
3574	3581	3574	TAURUS 2	2025 Nov 2 0509:59	2025 Nov 2 0619	TURKS	TR	505	509	45.41	In Earth orbit
3575	3582	3575	TAURUS 4	2025 Nov 2 0509:59	2025 Nov 2 0619	TURKS	TR	501	511	45.41	In Earth orbit
3576	3583	3576	Tomorrow-S8	2025 Nov 2 0509:59	2025 Nov 2 0620	TOMIO	US	507	512	45.40	In Earth orbit
3577	3584	3577	Tomorrow-S8	2025 Nov 2 0509:59	2025 Nov 2 0621	TOMIO	US	497	509	45.40	In Earth orbit
3578	3585	3578	Tomorrow-Demo	2025 Nov 2 0509:59	2025 Nov 2 0620	VASTSP	US	506	512	45.41	In Earth orbit
3579	3586	3579	CMS-03	2025 Nov 2 1156	2025 Nov 2 1212	ISRO	IN	35770	35804	0.17	In Earth orbit
3580	3587	3580	Yanggan-46	2025 Nov 3 0347	2025 Nov 3 0400?	ZLZB	CN	7494	7498	20.04	In Earth orbit
3581	3588	3581	Sentinel-1D	2025 Nov 4 2102	2025 Nov 4 2135:37	COPERN/ESA	1-EU	693	696	98.19	In Earth orbit
3582	3589	3582	Yachihoko-1	2025 Nov 5 1951	2025 Nov 5 2041	QPS	J	568	582	42.00	In Earth orbit
3583	3590	3583	Starlink 35442	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3584	3591	3584	Starlink 34616	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3585	3592	3585	Starlink 34615	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3586	3593	3586	Starlink 35292	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3587	3594	3587	Starlink 35309	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3588	3595	3588	Starlink 35506	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3589	3596	3589	Starlink 35504	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3590	3597	3590	Starlink 35527	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3591	3598	3591	Starlink 35507	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3592	3599	3592	Starlink 35460	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3593	3600	3593	Starlink 35505	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3594	3601	3594	Starlink 35512	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3595	3602	3595	Starlink 35527	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3596	3603	3596	Starlink 35322	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3597	3604	3597	Starlink 35400	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3598	3605	3598	Starlink 35407	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3599	3606	3599	Starlink 35417	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3600	3607	3600	Starlink 35404	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3601	3608	3601	Starlink 34783	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3602	3609	3602	Starlink 35477	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3603	3610	3603	Starlink 35443	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	259	270	43.00	In Earth orbit
3604	3611	3604	Starlink 35218	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3605	3612	3605	Starlink 35522	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	260	270	43.00	In Earth orbit
3606	3613	3606	Starlink 35535	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	259	270	43.00	In Earth orbit
3607	3614	3607	Starlink 35467	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	259	270	43.00	In Earth orbit
3608	3615	3608	Starlink 35511	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	259	270	43.00	In Earth orbit
3609	3616	3609	Starlink 35440	2025 Nov 6 0131:10	2025 Nov 6 0236:20	SPXS	US	259	270	43.00	In Earth orbit

3610	866346	2025-253AD	Starlink 35482	2025 Nov 6 0131:10	SPXS	US	259	270	43.00	In Earth orbit
3611	866347	2025-253AE	Starlink 35438	2025 Nov 6 0131:10	SPXS	US	259	270	43.00	In Earth orbit
3612	866348	2025-254A	Starlink 35849	2025 Nov 6 2113:50	SPXS	US	261	262	53.16	In Earth orbit
3613	866349	2025-254B	Starlink 35848	2025 Nov 6 2113:50	SPXS	US	261	262	53.16	In Earth orbit
3614	866350	2025-254C	Starlink 35829	2025 Nov 6 2113:50	SPXS	US	261	262	53.16	In Earth orbit
3615	866351	2025-254D	Starlink 35828	2025 Nov 6 2113:50	SPXS	US	261	262	53.16	In Earth orbit
3616	866352	2025-254E	Starlink 35850	2025 Nov 6 2113:50	SPXS	US	260	262	53.16	In Earth orbit
3617	866353	2025-254F	Starlink 35869	2025 Nov 6 2113:50	SPXS	US	260	262	53.16	In Earth orbit
3618	866354	2025-254G	Starlink 35895	2025 Nov 6 2113:50	SPXS	US	262	262	53.16	In Earth orbit
3619	866355	2025-254H	Starlink 35861	2025 Nov 6 2113:50	SPXS	US	260	261	53.16	In Earth orbit
3620	866356	2025-254J	Starlink 35851	2025 Nov 6 2113:50	SPXS	US	260	261	53.16	In Earth orbit
3621	866357	2025-254K	Starlink 35817	2025 Nov 6 2113:50	SPXS	US	260	261	53.16	In Earth orbit
3622	866358	2025-254L	Starlink 35807	2025 Nov 6 2113:50	SPXS	US	260	261	53.16	In Earth orbit
3623	866359	2025-254M	Starlink 35805	2025 Nov 6 2113:50	SPXS	US	260	261	53.16	In Earth orbit
3624	866360	2025-254N	Starlink 35823	2025 Nov 6 2113:50	SPXS	US	259	261	53.16	In Earth orbit
3625	866361	2025-254P	Starlink 35813	2025 Nov 6 2113:50	SPXS	US	260	261	53.16	In Earth orbit
3626	866362	2025-254Q	Starlink 35822	2025 Nov 6 2113:50	SPXS	US	259	261	53.16	In Earth orbit
3627	866363	2025-254R	Starlink 35806	2025 Nov 6 2113:50	SPXS	US	259	261	53.16	In Earth orbit
3628	866364	2025-254S	Starlink 35797	2025 Nov 6 2113:50	SPXS	US	259	261	53.16	In Earth orbit
3629	866365	2025-254T	Starlink 35827	2025 Nov 6 2113:50	SPXS	US	259	261	53.16	In Earth orbit
3630	866366	2025-254U	Starlink 35845	2025 Nov 6 2113:50	SPXS	US	259	261	53.16	In Earth orbit
3631	866367	2025-254V	Starlink 35846	2025 Nov 6 2113:50	SPXS	US	259	261	53.16	In Earth orbit
3632	866368	2025-254W	Starlink 34861	2025 Nov 6 2113:50	SPXS	US	258	261	53.16	In Earth orbit
3633	866369	2025-254X	Starlink 35795	2025 Nov 6 2113:50	SPXS	US	258	261	53.16	In Earth orbit
3634	866370	2025-254Y	Starlink 35824	2025 Nov 6 2113:50	SPXS	US	258	261	53.16	In Earth orbit
3635	866371	2025-254Z	Starlink 35804	2025 Nov 6 2113:50	SPXS	US	258	261	53.16	In Earth orbit
3636	866372	2025-254AA	Starlink 35821	2025 Nov 6 2113:50	SPXS	US	258	261	53.16	In Earth orbit
3637	866373	2025-254AB	Starlink 35809	2025 Nov 6 2113:50	SPXS	US	257	261	53.16	In Earth orbit
3638	866374	2025-254AC	Starlink 35831	2025 Nov 6 2113:50	SPXS	US	257	261	53.16	In Earth orbit
3639	866375	2025-254AD	Starlink 35826	2025 Nov 6 2113:50	SPXS	US	257	261	53.16	In Earth orbit
3640	866376	2025-255A	Shiyao 32-01	2025 Nov 8 2101	CASC	CN	433	451	53.00	In Earth orbit
3641	866378	2025-255C	Shiyao 32-02	2025 Nov 8 2101	CASC	CN	431	451	53.00	In Earth orbit
3642	866379	2025-255D	Shiyao 32-03	2025 Nov 8 2120?	CASC	CN	430	450	53.00	In Earth orbit
3643	866409	2025-256A	Chutian xingzuo 2-01 xing	2025 Nov 9 0332	CASIC	CN	713	731	98.28	In Earth orbit
3644	866410	2025-256B	Chutian xingzuo 2-02 xing	2025 Nov 9 0345?	CASIC	CN	713	731	98.28	In Earth orbit
3645	866380	2025-257A	Starlink 35139	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3646	866381	2025-257B	Starlink 35158	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3647	866382	2025-257C	Starlink 35639	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3648	866383	2025-257D	Starlink 35690	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3649	866384	2025-257E	Starlink 35662	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3650	866385	2025-257F	Starlink 35659	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3651	866386	2025-257G	Starlink 35651	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3652	866387	2025-257H	Starlink 35661	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3653	866388	2025-257I	Starlink 35647	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3654	866389	2025-257K	Starlink 35694	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3655	866390	2025-257L	Starlink 35665	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3656	866391	2025-257M	Starlink 35656	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3657	866392	2025-257N	Starlink 35671	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3658	866393	2025-257P	Starlink 35652	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3659	866394	2025-257Q	Starlink 35672	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3660	866395	2025-257R	Starlink 35681	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3661	866396	2025-257S	Starlink 35669	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3662	866397	2025-257T	Starlink 35510	2025 Nov 9 0810:10	SPXS	US	259	269	53.16	In Earth orbit
3663	866398	2025-257U	Starlink 35642	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3664	866399	2025-257V	Starlink 35657	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3665	866400	2025-257W	Starlink 35667	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3666	866401	2025-257X	Starlink 35668	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3667	866402	2025-257Y	Starlink 35640	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3668	866403	2025-257Z	Starlink 35602	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3669	866404	2025-257AA	Starlink 35691	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3670	866405	2025-257AB	Starlink 35683	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3671	866406	2025-257AC	Starlink 34840	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3672	866407	2025-257AD	Starlink 35686	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3673	866408	2025-257AE	Starlink 35679	2025 Nov 9 0810:10	SPXS	US	259	268	53.16	In Earth orbit
3674	866412	2025-258A	WHDW 13-01	2025 Nov 10 0241:56	ZXW	US	795	815	50.00	In Earth orbit
3675	866413	2025-258B	WHDW 13-02	2025 Nov 10 0241:56	ZXW	CN	795	814	50.00	In Earth orbit

3874	S66624	2025-271H	Starlink 35927	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3875	S66625	2025-271J	Starlink 35929	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3876	S66626	2025-271K	Starlink 35902	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3877	S66627	2025-271L	Starlink 35904	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3878	S66628	2025-271M	Starlink 35862	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3879	S66629	2025-271N	Starlink 35956	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	Reentered
3880	S66630	2025-271P	Starlink 35949	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3881	S66631	2025-271Q	Starlink 35965	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3882	S66632	2025-271R	Starlink 35963	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3883	S66633	2025-271S	Starlink 35948	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3884	S66634	2025-271T	Starlink 35967	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3885	S66635	2025-271U	Starlink 35955	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3886	S66636	2025-271V	Starlink 35968	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3887	S66637	2025-271W	Starlink 35953	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3888	S66638	2025-271X	Starlink 35958	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3889	S66639	2025-271Y	Starlink 35908	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3890	S66640	2025-271Z	Starlink 35921	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3891	S66641	2025-271AA	Starlink 35923	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3892	S66642	2025-271AB	Starlink 35926	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3893	S66643	2025-271AC	Starlink 35938	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3894	S66644	2025-271AD	Starlink 35938	2025 Nov 23 0848:00	2025 Nov 23 0948:19	SPXS	US	256	268	53.16	In Earth orbit
3895	S66645	2025-272A	Shenzhou 22	2025 Nov 25 0411:45	2025 Nov 25 0421:25	CMSEO	CN	374	385	41.47	Attached to CZ-2F Y22 Stage 2
3896	S66647	2025-273A	Kosmos-2597	2025 Nov 25 1342	2025 Nov 25 1345?	VVKOV	RU	1491	1504	82.50	In Earth orbit
3897	S66648	2025-273B	Kosmos-2598	2025 Nov 25 1342	2025 Nov 25 1345?	VVKOV	RU	1490	1503	82.50	In Earth orbit
3898	S66649	2025-273C	Kosmos-2599	2025 Nov 25 1342	2025 Nov 25 1345?	VVKOV	RU	1492	1506	82.50	In Earth orbit
3899	S66650	2025-274A	Bicheon	2025 Nov 26 1613:00	2025 Nov 26 1628:07	SPLINT	KR	584	599	97.74	In Earth orbit
3900	S66651	2025-274B	E3 TESTER KARI-1	2025 Nov 26 1613:00	2025 Nov 26 1628:27	KARI	KR	585	600	97.74	In Earth orbit
3901	S66652	2025-274C	COSMIC	2025 Nov 26 1613:00	2025 Nov 26 1627:07	UZURO	KR	583	600	97.74	In Earth orbit
3902	S66653	2025-274D	Sejong-4	2025 Nov 26 1613:00	2025 Nov 26 1627:49	HANCOM	KR	584	598	97.73	In Earth orbit
3903	S66654	2025-274E	JACK-003	2025 Nov 26 1613:00	2025 Nov 26 1627:07	COSMW	KR	582	600	97.74	In Earth orbit
3904	S66655	2025-274F	CASS000-3	2025 Nov 26 1613:00	2025 Nov 26 1626:27	KAIST	KR	585	600	97.74	In Earth orbit
3905	S66656	2025-274G	ETRSat	2025 Nov 26 1613:00	2025 Nov 26 1628:27	ETRI	KR	583	600	97.74	In Earth orbit
3906	S66657	2025-274H	SPRONE	2025 Nov 26 1613:00	2025 Nov 26 1626:47	SEJU	KR	578	598	97.74	In Earth orbit
3907	S66658	2025-274J	PERSAT01	2025 Nov 26 1613:00	2025 Nov 26 1626:47	QUAT	KR	581	598	97.74	In Earth orbit
3908	S66659	2025-274K	JACK-004	2025 Nov 26 1613:00	2025 Nov 26 1627:30	COSMW	KR	582	598	97.74	In Earth orbit
3909	S66660	2025-274L	INHA-ROSAT	2025 Nov 26 1613:00	2025 Nov 26 1627:30	SNU	KR	579	598	97.74	In Earth orbit
3910	S66661	2025-274M	Hana	2025 Nov 26 1613:00	2025 Nov 26 1628:07	SNU	KR	580	598	97.74	In Earth orbit
3911	S66662	2025-274N	K-HERO	2025 Nov 26 1613:00	2025 Nov 26 1627:49	KAIST	KR	578	598	97.74	In Earth orbit
3912	T00017	2025-274Q	Duri	2025 Nov 26 1613:00	-	SNU	KR	0	0	0.00	Attached to Hana
3913	S66664	2025-275A	Soyuz MS-28	2025 Nov 27 0927:57	2025 Nov 27 0936:46	RKKE	RU	173	193	51.66	Attached to Soyuz-2-1a No. 071 Blok-I
3914	S66666	2025-276A	Formosat-8A	2025 Nov 28 1844:30	2025 Nov 28 2104:26	TASA	TW	563	568	97.66	In Earth orbit
3915	S66667	2025-276B	Pelican 5	2025 Nov 28 1844:30	2025 Nov 28 2005:00	PLAN	US	512	515	97.44	In Earth orbit
3916	S66668	2025-276C	Phasma-Lamarr	2025 Nov 28 1844:30	2025 Nov 28 1942:14	LIBRE/ELKED	GR	512	516	97.45	In Earth orbit
3917	S66669	2025-276D	Beatrice Tinsley	2025 Nov 28 1844:30	2025 Nov 28 2008:14	URUGUS	UY	508	512	97.44	In Earth orbit
3918	S66670	2025-276E	Hunty	2025 Nov 28 1844:30	2025 Nov 28 1939:48	BME	HU	512	519	97.44	In Earth orbit
3919	S66671	2025-276F	Black Kite 1	2025 Nov 28 1844:30	2025 Nov 28 1939:30	TASA/RAPTEK	TW	511	518	97.44	In Earth orbit
3920	S66672	2025-276G	BRO-17	2025 Nov 28 1844:30	2025 Nov 28 1939:12	UNSEEN	F	512	514	97.44	In Earth orbit
3921	S66673	2025-276H	TORO2	2025 Nov 28 1844:30	2025 Nov 28 1939:09	TASA/PYRAS	TW	566	578	97.55	In Earth orbit
3922	S66674	2025-276I	BRO-20	2025 Nov 28 1844:30	2025 Nov 28 1939:23	UNSEEN	F	509	519	97.43	In Earth orbit
3923	S66675	2025-276K	Sari 1	2025 Nov 28 1844:30	2025 Nov 28 1939:48	SAUDSA	SA	511	518	97.44	In Earth orbit
3924	S66676	2025-276L	Sari 2	2025 Nov 28 1844:30	2025 Nov 28 1939:48	SAUDSA	SA	512	518	97.44	In Earth orbit
3925	S66677	2025-276M	ANISCSAT	2025 Nov 28 1844:30	2025 Nov 28 1939:48	AZER	AZ	511	516	97.44	In Earth orbit
3926	S66678	2025-276N	Lemur-2	2025 Nov 28 1844:30	2025 Nov 28 1939:50	SPRE	US	512	518	97.44	In Earth orbit
3927	S66679	2025-276P	Lilium 2	2025 Nov 28 1844:30	2025 Nov 28 1940:12	NCKU	TW	510	517	97.43	In Earth orbit
3928	S66680	2025-276Q	OtherSDM	2025 Nov 28 1844:30	2025 Nov 28 1940:51	DLR	D	510	521	97.44	In Earth orbit
3929	S66681	2025-276R	MICE-1	2025 Nov 28 1844:30	2025 Nov 28 1941:24	PRISMA/ELKED	GR	510	517	97.43	In Earth orbit
3930	S66682	2025-276S	ION Galactic	2025 Nov 28 1844:30	2025 Nov 28 2006:23	DORBIT	I	508	511	97.44	In Earth orbit
3931	S66683	2025-276T	6GSatLab	2025 Nov 28 1844:30	2025 Nov 28 1940:28	IZCAT	E	511	518	97.45	In Earth orbit
3932	S66684	2025-276U	CTC-1B	2025 Nov 28 1844:30	2025 Nov 28 1943:35	SPCOIN/ARROW	US	511	514	97.45	In Earth orbit
3933	S66685	2025-276V	LEO Express 3	2025 Nov 28 1844:30	2025 Nov 28 2003:45	IMPUL	US	508	512	97.44	In Earth orbit
3934	S66686	2025-276W	Lemur-2 Stas-Gorbuk	2025 Nov 28 1844:30	2025 Nov 28 1943:13	SPRE	US	511	512	97.45	In Earth orbit
3935	S66687	2025-276X	PW-6U	2025 Nov 28 1844:30	2025 Nov 28 1941:21	SATRV	PL	512	515	97.44	In Earth orbit
3936	S66688	2025-276Y	WISDOM A	2025 Nov 28 1844:30	2025 Nov 28 1942:55	C3S	HU	512	516	97.44	In Earth orbit
3937	S66689	2025-276Z	ACI-003	2025 Nov 28 1844:30	2025 Nov 28 2003:47	BAEG/INBAE	UK	510	512	97.44	In Earth orbit
3938	S66690	2025-276AA	SPIN 2	2025 Nov 28 1844:30	2025 Nov 28 1941:08	SPINL	L	512	517	97.44	In Earth orbit
3939	S66691	2025-276AB	TRYAD 1	2025 Nov 28 1844:30	2025 Nov 28 1941:10	AUBU/UAH	US	511	516	97.44	In Earth orbit

3940	3940	2025-276AC	Yvonne Brill	2025 Nov 28 1844:30	2025 Nov 28 2003:35	URUGUS	UY	510	512	97.44	In Earth orbit
3941	3947	2025-276AD	TRYAD 2	2025 Nov 28 1844:30	2025 Nov 28 1939:34	AUBU/UJAH	US	512	519	97.44	In Earth orbit
3942	3948	2025-276AE	YAM-9	2025 Nov 28 1844:30	2025 Nov 28 2004:45	LOFF/UDA	US	512	514	97.44	In Earth orbit
3943	3949	2025-276AF	IRIDE-MSI-Eaglet-2-1	2025 Nov 28 1844:30	2025 Nov 28 1944:42	ASU/OHBI	I	512	517	97.44	In Earth orbit
3944	3950	2025-276AG	IRIDE-MSI-Eaglet-2-2	2025 Nov 28 1844:30	2025 Nov 28 1947:39	ASU/OHBI	I	512	515	97.44	In Earth orbit
3945	3951	2025-276AH	IRIDE-MSI-Eaglet-2-3	2025 Nov 28 1844:30	2025 Nov 28 1945:27	ASU/OHBI	I	511	512	97.44	In Earth orbit
3946	3952	2025-276AJ	IRIDE-MSI-Eaglet-2-4	2025 Nov 28 1844:30	2025 Nov 28 1945:22	ASU/OHBI	I	512	515	97.44	In Earth orbit
3947	3953	2025-276AK	IRIDE-MSI-Eaglet-2-5	2025 Nov 28 1844:30	2025 Nov 28 1944:52	ASU/OHBI	I	511	516	97.44	In Earth orbit
3948	3954	2025-276AL	IRIDE-MSI-Eaglet-2-6	2025 Nov 28 1844:30	2025 Nov 28 1945:37	ASU/OHBI	I	510	512	97.44	In Earth orbit
3949	3955	2025-276AM	IRIDE-MSI-Eaglet-2-7	2025 Nov 28 1844:30	2025 Nov 28 1947:24	ASU/OHBI	I	511	511	97.44	In Earth orbit
3950	3956	2025-276AN	IRIDE-MSI-Eaglet-2-8	2025 Nov 28 1844:30	2025 Nov 28 1946:51	ASU/OHBI	I	511	512	97.45	In Earth orbit
3951	3957	2025-276AP	Pelican 6	2025 Nov 28 1844:30	2025 Nov 28 2004:56	PLAN	US	513	516	97.44	In Earth orbit
3952	3958	2025-276AQ	Flock 4h-1	2025 Nov 28 1844:30	2025 Nov 28 1947:27	PLAN	US	512	513	97.44	In Earth orbit
3953	3959	2025-276AR	Flock 4h-2	2025 Nov 28 1844:30	2025 Nov 28 1949:59	PLAN	US	512	513	97.44	In Earth orbit
3954	3960	2025-276AS	Flock 4h-3	2025 Nov 28 1844:30	2025 Nov 28 1948:04	PLAN	US	512	517	97.45	In Earth orbit
3955	3961	2025-276AT	Flock 4h-4	2025 Nov 28 1844:30	2025 Nov 28 1944:37	PLAN	US	512	518	97.44	In Earth orbit
3956	3962	2025-276AU	Flock 4h-5	2025 Nov 28 1844:30	2025 Nov 28 1942:47	PLAN	US	511	513	97.44	In Earth orbit
3957	3963	2025-276AV	Flock 4h-6	2025 Nov 28 1844:30	2025 Nov 28 1958:41	PLAN	US	511	514	97.45	In Earth orbit
3958	3964	2025-276AW	Flock 4h-7	2025 Nov 28 1844:30	2025 Nov 28 2000:35	PLAN	US	513	516	97.44	In Earth orbit
3959	3965	2025-276AX	Flock 4h-8	2025 Nov 28 1844:30	2025 Nov 28 1959:22	PLAN	US	512	517	97.45	In Earth orbit
3960	3966	2025-276AY	Flock 4h-9	2025 Nov 28 1844:30	2025 Nov 28 2002:33	PLAN	US	511	515	97.45	In Earth orbit
3961	3967	2025-276AZ	Flock 4h-10	2025 Nov 28 1844:30	2025 Nov 28 1941:26	PLAN	US	512	518	97.44	In Earth orbit
3962	3968	2025-276BA	Flock 4h-11	2025 Nov 28 1844:30	2025 Nov 28 2003:11	PLAN	US	512	517	97.45	In Earth orbit
3963	3969	2025-276BB	Flock 4h-12	2025 Nov 28 1844:30	2025 Nov 28 2001:12	PLAN	US	512	513	97.44	In Earth orbit
3964	3970	2025-276BC	Flock 4h-13	2025 Nov 28 1844:30	2025 Nov 28 1942:38	PLAN	US	512	512	97.45	In Earth orbit
3965	3971	2025-276BD	Flock 4h-14	2025 Nov 28 1844:30	2025 Nov 28 1942:28	PLAN	US	512	512	97.45	In Earth orbit
3966	3972	2025-276BE	Flock 4h-15	2025 Nov 28 1844:30	2025 Nov 28 1951:34	PLAN	US	512	518	97.44	In Earth orbit
3967	3973	2025-276BF	Flock 4h-16	2025 Nov 28 1844:30	2025 Nov 28 1947:37	PLAN	US	512	517	97.45	In Earth orbit
3968	3974	2025-276BG	Flock 4h-17	2025 Nov 28 1844:30	2025 Nov 28 1954:26	PLAN	US	514	518	97.45	In Earth orbit
3969	3975	2025-276BH	Flock 4h-18	2025 Nov 28 1844:30	2025 Nov 28 1952:12	PLAN	US	512	514	97.44	In Earth orbit
3970	3976	2025-276BI	Flock 4h-19	2025 Nov 28 1844:30	2025 Nov 28 1953:26	PLAN	US	511	513	97.44	In Earth orbit
3971	3977	2025-276BK	Flock 4h-20	2025 Nov 28 1844:30	2025 Nov 28 1953:57	PLAN	US	511	513	97.45	In Earth orbit
3972	3978	2025-276BL	Flock 4h-21	2025 Nov 28 1844:30	2025 Nov 28 1957:11	PLAN	US	511	513	97.44	In Earth orbit
3973	3979	2025-276BM	Flock 4h-22	2025 Nov 28 1844:30	2025 Nov 28 1956:15	PLAN	US	512	517	97.44	In Earth orbit
3974	3980	2025-276BN	Flock 4h-23	2025 Nov 28 1844:30	2025 Nov 28 1944:00	PLAN	US	512	518	97.45	In Earth orbit
3975	3981	2025-276BP	Flock 4h-24	2025 Nov 28 1844:30	2025 Nov 28 1955:07	PLAN	US	512	517	97.45	In Earth orbit
3976	3982	2025-276BQ	Flock 4h-25	2025 Nov 28 1844:30	2025 Nov 28 1941:37	PLAN	US	511	512	97.44	In Earth orbit
3977	3983	2025-276BR	Flock 4h-26	2025 Nov 28 1844:30	2025 Nov 28 1943:46	PLAN	US	512	518	97.44	In Earth orbit
3978	3984	2025-276BS	Flock 4h-27	2025 Nov 28 1844:30	2025 Nov 28 1945:06	PLAN	US	512	513	97.44	In Earth orbit
3979	3985	2025-276BT	Flock 4h-28	2025 Nov 28 1844:30	2025 Nov 28 1943:58	PLAN	US	512	518	97.44	In Earth orbit
3980	3986	2025-276BU	Flock 4h-29	2025 Nov 28 1844:30	2025 Nov 28 1951:44	PLAN	US	512	517	97.44	In Earth orbit
3981	3987	2025-276BV	Flock 4h-30	2025 Nov 28 1844:30	2025 Nov 28 1950:50	PLAN	US	512	518	97.45	In Earth orbit
3982	3988	2025-276BW	Flock 4h-31	2025 Nov 28 1844:30	2025 Nov 28 1947:58	PLAN	US	512	517	97.44	In Earth orbit
3983	3989	2025-276BX	Flock 4h-32	2025 Nov 28 1844:30	2025 Nov 28 1947:14	PLAN	US	512	518	97.45	In Earth orbit
3984	3990	2025-276BY	Flock 4h-33	2025 Nov 28 1844:30	2025 Nov 28 1949:38	PLAN	US	511	513	97.45	In Earth orbit
3985	3991	2025-276BZ	Flock 4h-34	2025 Nov 28 1844:30	2025 Nov 28 1949:29	PLAN	US	511	513	97.45	In Earth orbit
3986	3992	2025-276CA	Flock 4h-35	2025 Nov 28 1844:30	2025 Nov 28 1949:22	PLAN	US	511	512	97.45	In Earth orbit
3987	3993	2025-276CB	Flock 4h-36	2025 Nov 28 1844:30	2025 Nov 28 1950:00	PLAN	US	511	514	97.45	In Earth orbit
3988	3994	2025-276CC	HCT-SAT2	2025 Nov 28 1844:30	2025 Nov 28 1940:51	HCT/MBRSC	UAE	512	517	97.44	In Earth orbit
3989	3995	2025-276CD	WISDOM B	2025 Nov 28 1844:30	2025 Nov 28 1942:55	C3S	HU	512	517	97.44	In Earth orbit
3990	3996	2025-276CE	Mercury One	2025 Nov 28 1844:30	2025 Nov 28 2005:36	PROTE	US	509	512	97.44	In Earth orbit
3991	3997	2025-276CF	Melina Furman	2025 Nov 28 1844:30	2025 Nov 28 2005:14	URUGUS	UY	509	512	97.44	In Earth orbit
3992	3998	2025-276CG	ACI-001	2025 Nov 28 1844:30	2025 Nov 28 2005:22	BAEG/INSBAE	UK	508	512	97.44	In Earth orbit
3993	3999	2025-276CH	ACI-002	2025 Nov 28 1844:30	2025 Nov 28 2008:11	BAEG/INSBAE	UK	508	512	97.44	In Earth orbit
3994	4000	2025-276CI	Phasma-Direct	2025 Nov 28 1844:30	2025 Nov 28 1942:25	LIBRE/ELKED	GR	512	516	97.44	In Earth orbit
3995	4001	2025-276CK	W-5	2025 Nov 28 1844:30	2025 Nov 28 2009:05	VARDA	US	510	512	97.44	Deorbited
3996	4002	2025-276CL	Umbra-11	2025 Nov 28 1844:30	2025 Nov 28 2004:53	UMBRA	US	511	514	97.44	In Earth orbit
3997	4003	2025-276CM	PIAST-S1	2025 Nov 28 1844:30	2025 Nov 28 2004:10	WAT	PL	510	512	97.44	In Earth orbit
3998	4004	2025-276CN	CTC-1C	2025 Nov 28 1844:30	2025 Nov 28 1944:12	SPOIN/ARROW	PL	512	516	97.45	In Earth orbit
3999	4005	2025-276CO	ICEYE-X58	2025 Nov 28 1844:30	2025 Nov 28 2010:05	ICEYE	FI	512	515	97.44	In Earth orbit
4000	4006	2025-276CQ	MikroSAR	2025 Nov 28 1844:30	2025 Nov 28 2004:00	MON/WKL	PL	511	513	97.44	In Earth orbit
4001	4007	2025-276CR	ICEYE-X60	2025 Nov 28 1844:30	2025 Nov 28 2003:25	ICEYE	FI	511	514	97.44	In Earth orbit
4002	4008	2025-276CS	ICEYE-X61	2025 Nov 28 1844:30	2025 Nov 28 2005:13	ICEYE	FI	512	516	97.44	In Earth orbit
4003	4009	2025-276CT	ICEYE-X62	2025 Nov 28 1844:30	2025 Nov 28 2005:10	ICEYE	FI	512	513	97.44	In Earth orbit
4004	4010	2025-276CU	MAUIE	2025 Nov 28 1844:30	2025 Nov 28 1944:57	BLSKSP	UK	508	512	97.44	In Earth orbit
4005	4011	2025-276CV	PIAST-S2	2025 Nov 28 1844:30	2025 Nov 28 1944:44	WAT	PL	511	513	97.45	In Earth orbit

4006	4012	566758	2025-276CW	PIAST-M	2025 Nov 28 1844:30	2025 Nov 28 1944:15	WAT	PL	511	512	97.44	In Earth orbit
4007	4013	566759	2025-276CX	Veery-0G	2025 Nov 28 1844:30	2025 Nov 28 1941:08	CAREWX	US	513	515	97.44	In Earth orbit
4008	4014	566760	2025-276CY	AE5RA	2025 Nov 28 1844:30	2025 Nov 28 1946:12	ARKE	J	510	512	97.44	In Earth orbit
4009	4015	566761	2025-276CZ	AE5RB	2025 Nov 28 1844:30	2025 Nov 28 1946:43	ARKE	J	509	511	97.44	In Earth orbit
4010	4016	566762	2025-276DA	HydroGNSS-1	2025 Nov 28 1844:30	2025 Nov 28 2004:02	ESA	I-ESA	513	514	97.44	In Earth orbit
4011	4017	566763	2025-276DB	HydroGNSS-2	2025 Nov 28 1844:30	2025 Nov 28 2007:32	ESA	I-ESA	512	514	97.44	In Earth orbit
4012	4018	566764	2025-276DC	Nahla	2025 Nov 28 1844:30	2025 Nov 28 2004:37	ASPLB	B	511	513	97.44	In Earth orbit
4013	4019	566765	2025-276DD	AE5RC	2025 Nov 28 1844:30	2025 Nov 28 1942:46	ARKE	J	513	515	97.44	In Earth orbit
4014	4020	566766	2025-276DE	Bellbird-1	2025 Nov 28 1844:30	2025 Nov 28 1941:22	TASA/TRON	TW	511	515	97.44	In Earth orbit
4015	4021	566767	2025-276DF	Accenture-1	2025 Nov 28 1844:30	2025 Nov 28 1940:29	ACCRE/OCOS	IE	511	517	97.45	In Earth orbit
4016	4022	566768	2025-276DG	Lemur-2 Teodor	2025 Nov 28 1844:30	2025 Nov 28 1940:07	SPIRE	US	512	518	97.44	In Earth orbit
4017	4023	566769	2025-276DH	Spreire	2025 Nov 28 1844:30	2025 Nov 28 1940:36	RAU/SPEQ	UK	511	516	97.44	In Earth orbit
4018	4024	566770	2025-276DI	Lithium 3	2025 Nov 28 1844:30	2025 Nov 28 1942:05	NARAST	TW	507	511	97.45	In Earth orbit
4019	4025	566771	2025-276DK	Gyoeignsat-1	2025 Nov 28 1844:30	2025 Nov 28 1940:46	NARAST	KR	512	517	97.45	In Earth orbit
4020	4026	566772	2025-276DL	IHI-SAT-2	2025 Nov 28 1844:30	2025 Nov 28 1939:19	SPIRO/ARROW	J	507	511	97.45	In Earth orbit
4021	4027	566773	2025-276DM	CTC-1A	2025 Nov 28 1844:30	2025 Nov 28 1941:36	SPHCIN/ARROW	US	512	512	97.44	In Earth orbit
4022	4028	566774	2025-276DN	Genas-0F-1	2025 Nov 28 1844:30	2025 Nov 28 1939:57	ORORA/UBWM	D	512	519	97.44	In Earth orbit
4023	4029	566775	2025-276DO	PHI-1	2025 Nov 28 1844:30	2025 Nov 28 1939:28	MBRSC	UAE	509	519	97.43	In Earth orbit
4024	4030	566776	2025-276DP	Lemur-2 Laila	2025 Nov 28 1844:30	2025 Nov 28 1939:41	SPIRE	US	510	518	97.44	In Earth orbit
4025	4031	566777	2025-276DR	Luna-1	2025 Nov 28 1844:30	2025 Nov 28 1940:26	ASELSN	FR	511	517	97.45	In Earth orbit
4026	4032	566778	2025-276DS	Foresail-1 Prime	2025 Nov 28 1844:30	2025 Dec	AALTO	FI	514	518	97.44	In Earth orbit
4027	4033	566779	2025-276DU	WISESAT-5	2025 Nov 28 1844:30	2025 Dec?	WISEK/FOSSA	CH	510	516	97.43	In Earth orbit
4028	4034	566780	2025-276DV	WISESAT-6	2025 Nov 28 1844:30	2025 Dec?	WISEK/FOSSA	CH	510	514	97.43	In Earth orbit
4029	4035	567250	2025-313C	FGN-TUG-501	2025 Nov 28 1844:30	2025 Nov 28 2005:43	FERG	TR	500	729	97.64	In Earth orbit
4030	4036	567251	2025-313D	FRG-I0D1	2025 Nov 28 1844:30	2025 Dec 6 08:45	FERG	TR	495	708	97.59	In Earth orbit
4031	4037	567483	2025-276DT	ION Stellar Stephanus	2025 Nov 28 1844:30	2025 Nov 28 2008:23	DORBIT	I	507	511	97.44	In Earth orbit
4032	4038	A11697	2025-276DV	RS-S7	2025 Nov 28 1844:30	2025 Nov 28 2127:40	WISEK/FOSSA	US	-79	568	97.60	Deorbited
4033	4039	T00022	2025-276DY	WISESAT-7	2025 Nov 28 1844:30	-	WISEK/FOSSA	CH	0	0	0.00	Attached to Mira dispenser
4034	4040	T00023	2025-276DZ	3UCUBED-A	2025 Nov 28 1844:30	-	UNH	US	514	518	97.44	In Earth orbit
4035	4041	T00024	2025-276EA	Lacuna-3	2025 Nov 28 1844:30	-	SPIRE/LACU	US	0	0.00	Attached to ION SCV-021 dispenser	
4036	4042	T00025	2025-276EB	Lacuna-4	2025 Nov 28 1844:30	-	SPIRE/LACU	US	0	0.00	Attached to ION SCV-021 dispenser	
4037	4043	T00026	2025-276EC	Lacuna-5	2025 Nov 28 1844:30	-	SPIRE/LACU	US	0	0.00	Attached to ION SCV-022 dispenser	
4038	4044	T00027	2025-276ED	Lacuna-6	2025 Nov 28 1844:30	-	SPIRE	US	0	0.00	Attached to ION SCV-022 dispenser	
4039	4045	T00028	2025-276EE	Lemur-2 Starflight	2025 Nov 28 1844:30	-	SPIRE	US	0	0.00	Attached to ION SCV-021 dispenser	
4040	4046	T00029	2025-276EF	Lemur-2 Tartiflette	2025 Nov 28 1844:30	-	SPIRE	US	0	0.00	Attached to ION SCV-021 dispenser	
4041	4047	T00030	2025-276EG	Lemur-2 Hoespur-Tom	2025 Nov 28 1844:30	-	SPIRE	US	0	0.00	Attached to ION SCV-021 dispenser	
4042	4048	566549	2025-277A	Shi Jian 28	2025 Nov 30 12:20	2025 Nov 30 12:42?	ZLZB	CN	35784	35788	4.97	In Earth orbit
4043	4049	566798	2025-278A	Starlink 35867	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	260	262	43.00	In Earth orbit
4044	4048	566792	2025-278B	Starlink 35990	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	259	262	43.00	In Earth orbit
4045	4043	566793	2025-278C	Starlink 36051	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	259	261	43.00	In Earth orbit
4046	4044	566794	2025-278D	Starlink 36062	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	259	262	43.00	In Earth orbit
4047	4045	566795	2025-278E	Starlink 36047	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	259	261	43.00	In Earth orbit
4048	4046	566796	2025-278F	Starlink 35964	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	259	261	43.00	In Earth orbit
4049	4047	566797	2025-278G	Starlink 36099	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	259	261	43.00	In Earth orbit
4050	4048	566798	2025-278H	Starlink 36041	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	258	261	43.00	In Earth orbit
4051	4049	566799	2025-278J	Starlink 36044	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	258	261	43.00	In Earth orbit
4052	4050	566800	2025-278K	Starlink 35996	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	258	260	43.00	In Earth orbit
4053	4051	566801	2025-278L	Starlink 36080	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	257	260	43.00	In Earth orbit
4054	4052	566802	2025-278M	Starlink 35604	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	258	261	43.00	In Earth orbit
4055	4053	566803	2025-278N	Starlink 35565	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	258	260	43.00	In Earth orbit
4056	4054	566804	2025-278P	Starlink 36038	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	257	260	43.00	In Earth orbit
4057	4055	566805	2025-278Q	Starlink 36049	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	257	260	43.00	In Earth orbit
4058	4056	566806	2025-278R	Starlink 36069	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	257	260	43.00	In Earth orbit
4059	4057	566807	2025-278S	Starlink 36000	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	257	259	43.00	In Earth orbit
4060	4058	566808	2025-278T	Starlink 36071	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	257	259	43.00	In Earth orbit
4061	4059	566809	2025-278U	Starlink 35979	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	256	259	43.00	In Earth orbit
4062	4060	566810	2025-278V	Starlink 36046	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	257	259	43.00	In Earth orbit
4063	4061	566811	2025-278W	Starlink 36045	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	256	259	43.00	In Earth orbit
4064	4062	566812	2025-278X	Starlink 36054	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	256	258	43.00	In Earth orbit
4065	4063	566813	2025-278Y	Starlink 36042	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	256	258	43.00	In Earth orbit
4066	4064	566814	2025-278Z	Starlink 35984	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	255	257	43.00	In Earth orbit
4067	4065	566815	2025-278AA	Starlink 35985	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	255	257	43.00	In Earth orbit
4068	4066	566816	2025-278AB	Starlink 36098	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	256	258	43.00	In Earth orbit
4069	4067	566817	2025-278AC	Starlink 35995	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	255	258	43.00	In Earth orbit
4070	4068	566818	2025-278AD	Starlink 35994	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	256	258	43.00	In Earth orbit
4071	4069	566819	2025-278AE	Starlink 35989	2025 Dec 1 07:44:10	2025 Dec 1 08:49:12	SPXS	US	255	258	43.00	In Earth orbit

4138	4136	566886	2025-283J	Starlink 35900	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	261	262	53.16	In Earth orbit
4139	4137	566887	2025-283K	Starlink 35925	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	261	262	53.16	In Earth orbit
4140	4138	566888	2025-283L	Starlink 35919	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	260	262	53.16	In Earth orbit
4141	4139	566889	2025-283M	Starlink 35852	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	260	261	53.16	In Earth orbit
4142	4140	566890	2025-283N	Starlink 33885	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	260	261	53.16	In Earth orbit
4143	4141	566891	2025-283P	Starlink 33885	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	259	261	53.16	In Earth orbit
4144	4142	566892	2025-283Q	Starlink 33883	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	259	260	53.16	In Earth orbit
4145	4143	566893	2025-283R	Starlink 36033	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	259	260	53.16	In Earth orbit
4146	4144	566894	2025-283S	Starlink 35718	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	258	260	53.16	In Earth orbit
4147	4145	566895	2025-283T	Starlink 35971	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	258	259	53.16	In Earth orbit
4148	4146	566896	2025-283U	Starlink 35791	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	258	259	53.16	In Earth orbit
4149	4147	566897	2025-283V	Starlink 36079	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	257	259	53.16	In Earth orbit
4150	4148	566898	2025-283W	Starlink 36065	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	257	258	53.16	In Earth orbit
4151	4149	566899	2025-283X	Starlink 36064	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	257	258	53.16	In Earth orbit
4152	4150	566900	2025-283Y	Starlink 36074	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	257	258	53.16	In Earth orbit
4153	4151	566901	2025-283Z	Starlink 36043	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	256	257	53.16	In Earth orbit
4154	4152	566902	2025-283AA	Starlink 35983	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	256	257	53.16	In Earth orbit
4155	4153	566903	2025-283AB	Starlink 36077	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	256	257	53.16	In Earth orbit
4156	4154	566904	2025-283AC	Starlink 36059	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	255	257	53.16	In Earth orbit
4157	4155	566905	2025-283AD	Starlink 36075	2025 Dec 4 2042:20	2025 Dec 4 2142:50	SPXS	US	255	256	53.16	In Earth orbit
4158	4156	566913	2025-284A	Jiaotong YDES A	2025 Dec 5 0900	2025 Dec 5 0925:57	XYUN	CN	503	514	80.41	In Earth orbit
4159	4157	566914	2025-284B	Jiaotong YDES B	2025 Dec 5 0900	2025 Dec 5 0925:57	XYUN	CN	496	514	80.40	In Earth orbit
4160	4158	566915	2025-285A	WHDW 1401	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	868	878	50.00	In Earth orbit
4161	4159	566916	2025-285B	WHDW 1402	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	866	879	50.00	In Earth orbit
4162	4160	566917	2025-285C	WHDW 1403	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	868	877	50.00	In Earth orbit
4163	4161	566918	2025-285D	WHDW 1404	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	867	878	50.00	In Earth orbit
4164	4162	566919	2025-285E	WHDW 1405	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	866	878	50.00	In Earth orbit
4165	4163	566920	2025-285F	WHDW 1406	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	867	876	50.01	In Earth orbit
4166	4164	566921	2025-285G	WHDW 1407	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	866	877	50.01	In Earth orbit
4167	4165	566922	2025-285H	WHDW 1408	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	866	876	50.01	In Earth orbit
4168	4166	566923	2025-285J	WHDW 1409	2025 Dec 6 0753	2025 Dec 6 0830:07	ZXW	CN	868	876	50.01	In Earth orbit
4169	4167	566925	2025-286A	Starlink 35945	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4170	4168	566926	2025-286B	Starlink 35942	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4171	4169	566927	2025-286C	Starlink 35943	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4172	4170	566928	2025-286D	Starlink 35944	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4173	4171	566929	2025-286E	Starlink 36169	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4174	4172	566930	2025-286F	Starlink 36206	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4175	4173	566931	2025-286G	Starlink 36130	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4176	4174	566932	2025-286H	Starlink 36177	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4177	4175	566933	2025-286I	Starlink 36157	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4178	4176	566934	2025-286K	Starlink 36153	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4179	4177	566935	2025-286L	Starlink 36127	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4180	4178	566936	2025-286M	Starlink 36160	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4181	4179	566937	2025-286N	Starlink 36165	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	266	53.16	In Earth orbit
4182	4180	566938	2025-286P	Starlink 36155	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	264	265	53.16	In Earth orbit
4183	4181	566939	2025-286Q	Starlink 36154	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	263	265	53.16	In Earth orbit
4184	4182	566940	2025-286R	Starlink 36121	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	263	265	53.16	In Earth orbit
4185	4183	566941	2025-286S	Starlink 36088	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	263	265	53.16	In Earth orbit
4186	4184	566942	2025-286T	Starlink 36100	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	263	265	53.16	In Earth orbit
4187	4185	566943	2025-286U	Starlink 36109	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	263	264	53.16	In Earth orbit
4188	4186	566944	2025-286V	Starlink 36115	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	263	264	53.16	In Earth orbit
4189	4187	566945	2025-286W	Starlink 36112	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	262	264	53.16	In Earth orbit
4190	4188	566946	2025-286X	Starlink 36115	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	262	264	53.16	In Earth orbit
4191	4189	566947	2025-286Y	Starlink 36089	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	262	263	53.16	In Earth orbit
4192	4190	566948	2025-286Z	Starlink 36116	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	262	264	53.16	In Earth orbit
4193	4191	566949	2025-286AA	Starlink 36096	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	262	263	53.16	In Earth orbit
4194	4192	566950	2025-286AB	Starlink 36111	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	262	263	53.16	In Earth orbit
4195	4193	566951	2025-286AC	Starlink 35999	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	261	263	53.16	In Earth orbit
4196	4194	566952	2025-286AD	Starlink 36122	2025 Dec 7 1758:30	2025 Dec 7 1858:55	SPXS	US	261	263	53.16	In Earth orbit
4197	4195	566953	2025-287A	WHDW 15-01	2025 Dec 8 2211	2025 Dec 8 2301:17	ZXW	CN	997	1010	86.50	In Earth orbit
4198	4196	566954	2025-287B	WHDW 15-02	2025 Dec 8 2211	2025 Dec 8 2301:17	ZXW	CN	997	1009	86.49	In Earth orbit
4199	4197	566955	2025-287C	WHDW 15-03	2025 Dec 8 2211	2025 Dec 8 2301:17	ZXW	CN	997	1008	86.50	In Earth orbit
4200	4198	566956	2025-287D	WHDW 15-04	2025 Dec 8 2211	2025 Dec 8 2301:17	ZXW	CN	997	1008	86.49	In Earth orbit
4201	4199	566957	2025-287E	WHDW 15-05	2025 Dec 8 2211	2025 Dec 8 2301:17	ZXW	CN	997	1008	86.49	In Earth orbit
4202	4200	566959	2025-288A	Starlink 35877	2025 Dec 8 2226:10	2025 Dec 8 2331:12	SPXS	US	265	268	43.00	In Earth orbit
4203	4201	566960	2025-288B	Starlink 35879	2025 Dec 8 2226:10	2025 Dec 8 2331:12	SPXS	US	265	268	43.00	In Earth orbit

4204	566961	2025-288C	Starlink 35761	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	265	267	43.00	In Earth orbit
4205	566962	2025-288D	Starlink 33874	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	265	267	43.00	In Earth orbit
4206	566963	2025-288E	Starlink 36133	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4207	566964	2025-288F	Starlink 36104	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4208	566965	2025-288G	Starlink 36067	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	264	267	43.00	In Earth orbit
4209	566966	2025-288H	Starlink 36139	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4210	566967	2025-288J	Starlink 36136	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4211	566968	2025-288K	Starlink 36152	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4212	566969	2025-288L	Starlink 36149	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4213	566970	2025-288M	Starlink 35703	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4214	566971	2025-288N	Starlink 35678	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	264	267	43.00	In Earth orbit
4215	566972	2025-288P	Starlink 34846	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	264	266	43.00	In Earth orbit
4216	566973	2025-288Q	Starlink 35778	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	264	266	43.00	In Earth orbit
4217	566974	2025-288R	Starlink 35780	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4218	566975	2025-288S	Starlink 35772	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4219	566976	2025-288T	Starlink 35777	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4220	566977	2025-288U	Starlink 35770	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	263	266	43.00	In Earth orbit
4221	566978	2025-288V	Starlink 35787	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	262	265	43.00	In Earth orbit
4222	566979	2025-288W	Starlink 36107	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	262	265	43.00	In Earth orbit
4223	566980	2025-288X	Starlink 36086	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	262	265	43.00	In Earth orbit
4224	566981	2025-288Y	Starlink 36142	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	262	265	43.00	In Earth orbit
4225	566982	2025-288Z	Starlink 36113	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	262	265	43.00	In Earth orbit
4226	566983	2025-288AA	Starlink 36145	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	261	264	43.00	In Earth orbit
4227	566984	2025-288AB	Starlink 35591	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	262	265	43.00	In Earth orbit
4228	566985	2025-288AC	Starlink 36103	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	261	264	43.00	In Earth orbit
4229	566986	2025-288AD	Starlink 36135	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	261	264	43.00	In Earth orbit
4230	566987	2025-288AE	Starlink 36147	2025 Dec 8 22:26:10	2025 Dec 8 23:31:12	SPXS	US	261	264	43.00	In Earth orbit
4231	566988	2025-288A	Yaogan 47	2025 Dec 9 03:41	2025 Dec 9 03:55	CASC7	US	492	496	97.52	In Earth orbit
4232	566989	2025-290A	Tongxin Jishu Shiyuan 22	2025 Dec 9 15:37	2025 Dec 9 15:37	ZB/SASST	CN	492	496	35772	In Earth orbit
4233	566990	2025-291A	USA 570	2025 Dec 9 19:16	2025 Dec 9 19:00	NROC/USN	CN	1008	1207	63.44	In Earth orbit
4234	566991	2025-292A	? Jilin-1 GaoFen 07B 01 xing	2025 Dec 10 04:03:45	2025 Dec 10 04:18	CGSTL	CN	543	562	97.65	In Earth orbit
4235	566992	2025-292B	? UAE-813	2025 Dec 10 04:03:45	2025 Dec 10 04:18	UAESA/UAEU	UAE	543	562	97.65	In Earth orbit
4236	566993	2025-292C	? Jilin-1 GaoFen 07C 01 xing	2025 Dec 10 04:03:45	2025 Dec 10 04:18	CGSTL	CN	543	562	97.65	In Earth orbit
4237	566994	2025-292D	? Jilin-1 GaoFen 07D 01 xing	2025 Dec 10 04:03:45	2025 Dec 10 04:18	CGSTL	CN	543	562	97.65	In Earth orbit
4238	566995	2025-292E	? Dongpo 15	2025 Dec 10 04:03:45	2025 Dec 10 04:18	MEIHUA	CN	543	562	97.65	In Earth orbit
4239	566996	2025-292F	? Yuxing-2 09	2025 Dec 10 04:03:45	2025 Dec 10 04:18	XGCM	CN	541	562	97.66	In Earth orbit
4240	566997	2025-292G	? Yixian-A (R)	2025 Dec 10 04:03:45	2025 Dec 10 04:18	ZHONG	CN	541	561	97.66	In Earth orbit
4241	566998	2025-292H	? SPNEX	2025 Dec 10 04:03:45	2025 Dec 10 04:18	EGYSA	EG	541	561	97.66	In Earth orbit
4242	567000	2025-292I	? Slippers2Sat	2025 Dec 10 04:03:45	2025 Dec 10 04:18	APN	NP	543	563	97.66	In Earth orbit
4243	567001	2025-292J	Starlink 35660	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	254	266	70.00	In Earth orbit
4244	567002	2025-293A	Starlink 35913	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4245	567003	2025-293B	Starlink 36148	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4246	567004	2025-293C	Starlink 36156	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4247	567005	2025-293D	Starlink 36123	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4248	567006	2025-293E	Starlink 36163	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4249	567007	2025-293F	Starlink 36168	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4250	567008	2025-293G	Starlink 36189	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4251	567009	2025-293H	Starlink 36167	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4252	567010	2025-293I	Starlink 36175	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4253	567011	2025-293J	Starlink 36106	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4254	567012	2025-293K	Starlink 35856	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4255	567013	2025-293L	Starlink 35688	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4256	567014	2025-293M	Starlink 36207	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4257	567015	2025-293N	Starlink 36093	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4258	567016	2025-293P	Starlink 36120	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4259	567017	2025-293Q	Starlink 36120	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4260	567018	2025-293R	Starlink 36106	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4261	567019	2025-293S	Starlink 35688	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4262	567020	2025-293T	Starlink 36178	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4263	567021	2025-293U	Starlink 36184	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4264	567022	2025-293V	Starlink 36209	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4265	567023	2025-293W	Starlink 36191	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4266	567024	2025-293X	Starlink 36192	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4267	567025	2025-293Y	Starlink 36178	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4268	567026	2025-293Z	Starlink 36176	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4269	567027	2025-293AA	Starlink 36171	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4270	567028	2025-293AB	Starlink 36132	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit
4271	567029	2025-293AC	Starlink 36190	2025 Dec 10 14:40:30	2025 Dec 10 12:41:55	SPXS	US	253	266	70.00	In Earth orbit

4270	4270	2025-294A	Starlink 36138	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	274	43.00	In Earth orbit
4271	4269	2025-294B	Starlink 36150	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	274	43.00	In Earth orbit
4272	4270	2025-294C	Starlink 36131	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	274	43.00	In Earth orbit
4273	4271	2025-294D	Starlink 36137	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	274	43.00	In Earth orbit
4274	4272	2025-294E	Starlink 36140	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	274	43.00	In Earth orbit
4275	4273	2025-294F	Starlink 36085	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	274	43.00	In Earth orbit
4276	4274	2025-294G	Starlink 36125	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	274	43.00	In Earth orbit
4277	4275	2025-294H	Starlink 35732	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	273	43.00	In Earth orbit
4278	4276	2025-294J	Starlink 35775	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	263	273	43.00	In Earth orbit
4279	4277	2025-294K	Starlink 35705	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4280	4278	2025-294L	Starlink 35786	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4281	4279	2025-294M	Starlink 35765	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4282	4280	2025-294N	Starlink 35773	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4283	4281	2025-294P	Starlink 35901	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4284	4282	2025-294Q	Starlink 35884	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4285	4283	2025-294R	Starlink 35891	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4286	4284	2025-294S	Starlink 35721	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4287	4285	2025-294T	Starlink 35779	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4288	4286	2025-294U	Starlink 35905	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4289	4287	2025-294V	Starlink 35877	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4290	4288	2025-294W	Starlink 36078	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4291	4289	2025-294X	Starlink 35706	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4292	4290	2025-294Y	Starlink 35786	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4293	4291	2025-294Z	Starlink 35739	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4294	4292	2025-294A	Starlink 35754	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4295	4293	2025-294AB	Starlink 35790	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4296	4294	2025-294AC	Starlink 36143	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4297	4295	2025-294AD	Starlink 36144	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4298	4296	2025-294AE	Starlink 35767	2025 Dec 11 22:01:20	2025 Dec 11 23:06:22	SPXS	US	262	273	43.00	In Earth orbit
4299	4297	2025-295A	WHDW 16-01	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	795	815	50.00	In Earth orbit
4300	4298	2025-295B	WHDW 16-02	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	795	814	50.00	In Earth orbit
4301	4299	2025-295C	WHDW 16-03	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	796	815	50.00	In Earth orbit
4302	4300	2025-295D	WHDW 16-04	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	796	814	50.01	In Earth orbit
4303	4301	2025-295E	WHDW 16-05	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	796	814	50.01	In Earth orbit
4304	4302	2025-295F	WHDW 16-06	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	791	812	50.00	In Earth orbit
4305	4303	2025-295G	WHDW 16-07	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	796	814	50.00	In Earth orbit
4306	4304	2025-295H	WHDW 16-08	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	795	811	50.00	In Earth orbit
4307	4305	2025-295J	WHDW 16-09	2025 Dec 11 23:00	2025 Dec 11 23:25	ZXW	CN	796	811	50.00	In Earth orbit
4308	4306	2025-296A	Xi Wang S-2	2025 Dec 13 01:08	2025 Dec 13 01:23	CASI	CN	503	525	41.35	In Earth orbit
4309	4307	2025-296B	Dier-5	2025 Dec 13 01:08	2025 Dec 13 01:23	ZYK	CN	503	525	41.35	In Earth orbit
4310	4308	2025-297A	RAISE-4	2025 Dec 14 03:09	2025 Dec 14 04:03	JAXA	J	179	529	97.48	In Earth orbit
4311	4309	2025-298A	Starlink 36230	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4312	4310	2025-298B	Starlink 36240	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4313	4311	2025-298C	Starlink 36243	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4314	4312	2025-298D	Starlink 36236	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4315	4313	2025-298E	Starlink 36159	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4316	4314	2025-298F	Starlink 36158	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4317	4315	2025-298G	Starlink 35864	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4318	4316	2025-298H	Starlink 36035	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4319	4317	2025-298J	Starlink 36170	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4320	4318	2025-298K	Starlink 36166	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4321	4319	2025-298L	Starlink 35794	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4322	4320	2025-298M	Starlink 35841	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4323	4321	2025-298N	Starlink 35842	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4324	4322	2025-298P	Starlink 35882	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4325	4323	2025-298Q	Starlink 35763	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4326	4324	2025-298R	Starlink 36060	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4327	4325	2025-298S	Starlink 36097	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4328	4326	2025-298T	Starlink 35792	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	255	269	70.00	In Earth orbit
4329	4327	2025-298U	Starlink 35784	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	254	269	70.00	In Earth orbit
4330	4328	2025-298V	Starlink 36202	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	254	269	70.00	In Earth orbit
4331	4329	2025-298W	Starlink 36227	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	254	269	70.00	In Earth orbit
4332	4330	2025-298X	Starlink 36228	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	254	269	70.00	In Earth orbit
4333	4331	2025-298Y	Starlink 36222	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	254	269	70.00	In Earth orbit
4334	4332	2025-298Z	Starlink 36205	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	254	269	70.00	In Earth orbit
4335	4333	2025-298AA	Starlink 36193	2025 Dec 14 05:49:00	2025 Dec 14 06:50:43	SPXS	US	254	269	70.00	In Earth orbit

4336	4334	867100	2025-298AB	Starlink 36215	2025 Dec 14 0549:00	2025 Dec 14 0650:43	SPXS	US	254	269	70.00	In Earth orbit
4337	4335	867101	2025-298AC	Starlink 36200	2025 Dec 14 0549:00	2025 Dec 14 0650:43	SPXS	US	254	269	70.00	In Earth orbit
4338	4336	867102	2025-299A	Starlink 36255	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	263	272	43.00	In Earth orbit
4339	4337	867103	2025-299B	Starlink 36256	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4340	4338	867104	2025-299C	Starlink 36258	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4341	4339	867105	2025-299D	Starlink 36261	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4342	4340	867106	2025-299E	Starlink 36259	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4343	4341	867107	2025-299F	Starlink 36196	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4344	4342	867108	2025-299G	Starlink 36208	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4345	4343	867109	2025-299H	Starlink 35764	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4346	4344	867110	2025-299I	Starlink 35781	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4347	4345	867111	2025-299K	Starlink 35875	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4348	4346	867112	2025-299L	Starlink 35906	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4349	4347	867113	2025-299M	Starlink 35789	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4350	4348	867114	2025-299N	Starlink 36180	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4351	4349	867115	2025-299P	Starlink 35892	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4352	4350	867116	2025-299Q	Starlink 35738	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4353	4351	867117	2025-299R	Starlink 35674	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4354	4352	867118	2025-299S	Starlink 35701	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4355	4353	867119	2025-299T	Starlink 36179	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4356	4354	867120	2025-299U	Starlink 36217	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4357	4355	867121	2025-299V	Starlink 36124	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4358	4356	867122	2025-299W	Starlink 36188	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4359	4357	867123	2025-299X	Starlink 36151	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4360	4358	867124	2025-299Y	Starlink 36195	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4361	4359	867125	2025-299Z	Starlink 36219	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4362	4360	867126	2025-299AA	Starlink 36223	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4363	4361	867127	2025-299AB	Starlink 36164	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4364	4362	867128	2025-299AC	Starlink 35685	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	261	271	43.00	In Earth orbit
4365	4363	867129	2025-299AD	Starlink 36214	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	262	272	43.00	In Earth orbit
4366	4364	867130	2025-299AE	Starlink 36194	2025 Dec 15 0525:10	2025 Dec 15 0630:12	SPXS	US	261	272	43.00	In Earth orbit
4367	4365	867131	2025-300A	Zi Yuan 3-04	2025 Dec 16 0317	2025 Dec 16 0335:7	GCDXZZWVZ	CN	484	499	97.50	In Earth orbit
4368	4366	867133	2025-301A	Kuiper-00144	2025 Dec 16 0828	2025 Dec 16 0848	KUIP	US	455	464	51.87	In Earth orbit
4369	4367	867134	2025-301B	Kuiper-00164	2025 Dec 16 0828	2025 Dec 16 0848	KUIP	US	455	464	51.87	In Earth orbit
4370	4368	867135	2025-301C	Kuiper-00175	2025 Dec 16 0828	2025 Dec 16 0848	KUIP	US	455	464	51.87	In Earth orbit
4371	4369	867136	2025-301D	Kuiper-00179	2025 Dec 16 0828	2025 Dec 16 0848	KUIP	US	456	469	51.87	In Earth orbit
4372	4370	867137	2025-301E	Kuiper-00181	2025 Dec 16 0828	2025 Dec 16 0850	KUIP	US	456	469	51.86	In Earth orbit
4373	4371	867138	2025-301F	Kuiper-00183	2025 Dec 16 0828	2025 Dec 16 0850	KUIP	US	456	471	51.86	In Earth orbit
4374	4372	867139	2025-301G	Kuiper-00184	2025 Dec 16 0828	2025 Dec 16 0851	KUIP	US	456	469	51.86	In Earth orbit
4375	4373	867140	2025-301H	Kuiper-00187	2025 Dec 16 0828	2025 Dec 16 0851	KUIP	US	455	466	51.87	In Earth orbit
4376	4374	867141	2025-301J	Kuiper-00187	2025 Dec 16 0828	2025 Dec 16 0852	KUIP	US	455	461	51.87	In Earth orbit
4377	4375	867142	2025-301K	Kuiper-00188	2025 Dec 16 0828	2025 Dec 16 0852	KUIP	US	456	466	51.87	In Earth orbit
4378	4376	867143	2025-301L	Kuiper-00191	2025 Dec 16 0828	2025 Dec 16 0853	KUIP	US	456	465	51.87	In Earth orbit
4379	4377	867144	2025-301M	Kuiper-00196	2025 Dec 16 0828	2025 Dec 16 0853	KUIP	US	455	460	51.87	In Earth orbit
4380	4378	867145	2025-301N	Kuiper-00204	2025 Dec 16 0828	2025 Dec 16 0854	KUIP	US	455	457	51.87	In Earth orbit
4381	4379	867146	2025-301P	Kuiper-00210	2025 Dec 16 0828	2025 Dec 16 0854	KUIP	US	456	470	51.86	In Earth orbit
4382	4380	867147	2025-301Q	Kuiper-00221	2025 Dec 16 0828	2025 Dec 16 0855	KUIP	US	455	462	51.87	In Earth orbit
4383	4381	867148	2025-301R	Kuiper-00232	2025 Dec 16 0828	2025 Dec 16 0855	KUIP	US	455	456	51.87	In Earth orbit
4384	4382	867149	2025-301S	Kuiper-00241	2025 Dec 16 0828	2025 Dec 16 0856	KUIP	US	455	459	51.87	In Earth orbit
4385	4383	867150	2025-301T	Kuiper-00245	2025 Dec 16 0828	2025 Dec 16 0857	KUIP	US	455	462	51.87	In Earth orbit
4386	4384	867151	2025-301U	Kuiper-00246	2025 Dec 16 0828	2025 Dec 16 0858	KUIP	US	455	461	51.87	In Earth orbit
4387	4385	867152	2025-301V	Kuiper-00247	2025 Dec 16 0828	2025 Dec 16 0858	KUIP	US	456	472	51.86	In Earth orbit
4388	4386	867153	2025-301W	Kuiper-00248	2025 Dec 16 0828	2025 Dec 16 0855	KUIP	US	455	468	51.87	In Earth orbit
4389	4387	867154	2025-301X	Kuiper-00249	2025 Dec 16 0828	2025 Dec 16 0900	KUIP	US	456	467	51.87	In Earth orbit
4390	4388	867155	2025-301Y	Kuiper-00250	2025 Dec 16 0828	2025 Dec 16 0901	KUIP	US	456	464	51.87	In Earth orbit
4391	4389	867156	2025-301Z	Kuiper-00251	2025 Dec 16 0828	2025 Dec 16 0901	KUIP	US	456	467	51.87	In Earth orbit
4392	4390	867157	2025-301AA	Kuiper-00252	2025 Dec 16 0828	2025 Dec 16 0858	KUIP	US	455	461	51.87	In Earth orbit
4393	4391	867158	2025-301AB	Kuiper-00261	2025 Dec 16 0828	2025 Dec 16 0902	KUIP	US	455	463	51.87	In Earth orbit
4394	4392	867159	2025-301AC	Kuiper-00265	2025 Dec 16 0828	2025 Dec 16 0903	KUIP	US	455	458	51.87	In Earth orbit
4395	4393	867160	2025-302A	GalileoSat-33	2025 Dec 17 0501:58	2025 Dec 17 0857:30	EUSPA	I-EU	22920	22968	54.24	In Earth orbit
4396	4394	867162	2025-302C	GalileoSat-34	2025 Dec 17 0501:58	2025 Dec 17 0857:30	EUSPA	I-EU	22917	22919	54.24	In Earth orbit
4397	4395	867163	2025-303A	Starlink 35755	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4398	4396	867164	2025-303B	Starlink 36201	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	263	273	43.00	In Earth orbit
4399	4397	867165	2025-303C	Starlink 36186	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	263	273	43.00	In Earth orbit
4400	4398	867166	2025-303D	Starlink 36174	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	263	273	43.00	In Earth orbit
4401	4399	867167	2025-303E	Starlink 36198	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	263	273	43.00	In Earth orbit

4402	4400	867168	2025-303F	Starlink 35903	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4403	4401	867169	2025-303G	Starlink 35839	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4404	4402	867170	2025-303H	Starlink 35863	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4405	4403	867171	2025-303J	Starlink 35771	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4406	4404	867172	2025-303K	Starlink 35762	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4407	4405	867173	2025-303L	Starlink 36183	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	263	273	43.00	In Earth orbit
4408	4406	867174	2025-303M	Starlink 36210	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	263	273	43.00	In Earth orbit
4409	4407	867175	2025-303N	Starlink 35736	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4410	4408	867176	2025-303P	Starlink 35785	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4411	4409	867177	2025-303Q	Starlink 35853	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.00	In Earth orbit
4412	4410	867178	2025-303R	Starlink 35878	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4413	4411	867179	2025-303S	Starlink 35793	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4414	4412	867180	2025-303T	Starlink 35876	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4415	4413	867181	2025-303U	Starlink 35766	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4416	4414	867182	2025-303V	Starlink 35782	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4417	4415	867183	2025-303W	Starlink 35719	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4418	4416	867184	2025-303X	Starlink 35910	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4419	4417	867185	2025-303Y	Starlink 35859	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4420	4418	867186	2025-303Z	Starlink 35857	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4421	4419	867187	2025-303AA	Starlink 35880	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4422	4420	867188	2025-303AB	Starlink 35675	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4423	4421	867189	2025-303AC	Starlink 35889	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4424	4422	867190	2025-303AD	Starlink 35888	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4425	4423	867191	2025-303AE	Starlink 35716	2025 Dec 17 1342:10	2025 Dec 17 1447:21	SPXS	US	261	271	43.01	In Earth orbit
4426	4424	867192	2025-304A	Starlink 36182	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	257	269	70.00	In Earth orbit
4427	4425	867193	2025-304B	Starlink 36279	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	257	269	70.00	In Earth orbit
4428	4426	867194	2025-304C	Starlink 36284	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	257	269	70.00	In Earth orbit
4429	4427	867195	2025-304D	Starlink 36291	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	257	269	70.00	In Earth orbit
4430	4428	867196	2025-304E	Starlink 36239	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	257	269	70.00	In Earth orbit
4431	4429	867197	2025-304F	Starlink 36283	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4432	4430	867198	2025-304G	Starlink 36267	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4433	4431	867199	2025-304H	Starlink 36268	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4434	4432	867200	2025-304J	Starlink 36270	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4435	4433	867201	2025-304K	Starlink 36262	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4436	4434	867202	2025-304L	Starlink 36263	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4437	4435	867203	2025-304M	Starlink 36224	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4438	4436	867204	2025-304N	Starlink 36185	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4439	4437	867205	2025-304P	Starlink 36197	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4440	4438	867206	2025-304Q	Starlink 36056	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4441	4439	867207	2025-304R	Starlink 36225	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4442	4440	867208	2025-304S	Starlink 36265	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4443	4441	867209	2025-304T	Starlink 36226	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4444	4442	867210	2025-304U	Starlink 36173	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4445	4443	867211	2025-304V	Starlink 36280	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4446	4444	867212	2025-304W	Starlink 36213	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4447	4445	867213	2025-304X	Starlink 36199	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4448	4446	867214	2025-304Y	Starlink 36203	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4449	4447	867215	2025-304Z	Starlink 36221	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4450	4448	867216	2025-304AA	Starlink 36212	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4451	4449	867217	2025-304AB	Starlink 36216	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4452	4450	867218	2025-304AC	Starlink 36211	2025 Dec 17 1527:50	2025 Dec 17 1629:21	SPXS	US	256	269	70.00	In Earth orbit
4453	4451	867219	2025-305A	DiskSat C	2025 Dec 18 0503:00	2025 Dec 18 0602:34	STP	US	545	551	45.01	In Earth orbit
4454	4452	867220	2025-305B	DiskSat B	2025 Dec 18 0503:00	2025 Dec 18 0605:10	STP	US	547	552	45.01	In Earth orbit
4455	4453	867221	2025-305C	DiskSat D	2025 Dec 18 0503:00	2025 Dec 18 0608:10	STP	US	471	558	45.02	In Earth orbit
4456	4454	867222	2025-305D	DiskSat A	2025 Dec 18 0503:00	2025 Dec 18 0610:57	STP	US	541	553	45.05	In Earth orbit
4457	4455	867226	2025-306A	Tongxin Jishu Shiyuan 23	2025 Dec 20 1230	2025 Dec 20 1308?	ZJB/CAST	CN	35779	35792	5.97	In Earth orbit
4458	4456	867228	2025-307A	Stukunami-I	2025 Dec 21 0636	2025 Dec 21 0726	QPS	J	569	583	42.01	In Earth orbit
4459	4457	867231	2025-308A	Dummy CZ-12A payload	2025 Dec 23 0200	-	SAST	CN	204	241	69.71	Reentered Alt to CZ-12A Y1 Stage 2
4460	4458	867232	2025-309A	SpaceMobile-006	2025 Dec 24 0325:30	2025 Dec 24 0341:00	ASIS	US	506	520	53.00	In Earth orbit
4461	4459	867234	2025-310A	Obzor-R No. 1	2025 Dec 25 1411	2025 Dec 25 1421?	ROSK	RU	217	633	97.97	In Earth orbit
4462	4460	867236	2025-311A	WHDW 17-01	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	915	924	50.01	In Earth orbit
4463	4461	867237	2025-311B	WHDW 17-02	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	915	926	50.01	In Earth orbit
4464	4462	867238	2025-311C	WHDW 17-03	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	916	927	50.01	In Earth orbit
4465	4463	867239	2025-311D	WHDW 17-04	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	915	929	50.01	In Earth orbit
4466	4464	867240	2025-311E	WHDW 17-05	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	916	926	50.01	In Earth orbit
4467	4465	867241	2025-311F	WHDW 17-06	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	915	926	50.01	In Earth orbit

4468	867242	2025-311G	WHDW 17-07	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	915	928	50.01	In Earth orbit
4469	867243	2025-311H	WHDW 17-08	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	915	927	50.01	In Earth orbit
4470	867244	2025-311J	WHDW 17-09	2025 Dec 25 2326	2025 Dec 26 0002?	ZXW	CN	916	925	50.01	In Earth orbit
4471	867246	2025-312A	Feng Yun 4C	2025 Dec 26 1607	2025 Dec 26 1632?	NSMC	CN	35772	35799	0.09	In Earth orbit
4472	867249	2025-313B	Manafon No. 1	2025 Dec 28 1318:05	2025 Dec 28 1800?	NPOPM/MAIO	RU	441	860	97.53	In Earth orbit
4473	867250	2025-313E	Zorkiy-2M VPE	2025 Dec 28 1318:05	2025 Dec 28 1550?	SPUT	RU	495	515	97.41	In Earth orbit
4474	867253	2025-313F	Aist-2T No. 1	2025 Dec 28 1318:05	2025 Dec 28 1422:23	ROSK	RU	368	381	97.10	In Earth orbit
4475	867254	2025-313G	Aist-2T No. 2	2025 Dec 28 1318:05	2025 Dec 28 1422:23	ROSK	RU	368	381	97.10	In Earth orbit
4476	867255	2025-313H	Paya	2025 Dec 28 1318:05	2025 Dec 28 1550?	IRSA/IEI	IR	497	623	97.31	In Earth orbit
4477	867256	2025-313J	SITRO-AIS-57	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	516	97.41	In Earth orbit
4478	867257	2025-313K	SITRO-AIS-59	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	494	515	97.41	In Earth orbit
4479	867258	2025-313L	SITRO-AIS-58	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	516	97.41	In Earth orbit
4480	867259	2025-313M	SITRO-AIS-60	2025 Dec 28 1318:05	2025 Dec 28 1548:15	SITRO	RU	495	516	97.42	In Earth orbit
4481	867260	2025-313N	SITRO-AIS-60	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	496	515	97.41	In Earth orbit
4482	867261	2025-313P	SM-3-1	2025 Dec 28 1318:05	2025 Dec 28 1556:55	STTS	RU	494	516	97.42	In Earth orbit
4483	867262	2025-313Q	Ansat-1	2025 Dec 28 1318:05	2025 Dec 28 1556:25	STTS	RU	495	515	97.41	In Earth orbit
4484	867263	2025-313R	DCS-1	2025 Dec 28 1318:05	2025 Dec 28 1550?	TELTN?	TN	495	512	97.41	In Earth orbit
4485	867264	2025-313S	Kowsar-1.5	2025 Dec 28 1318:05	2025 Dec 28 1550?	OMID/ISRC	IR	495	508	97.41	In Earth orbit
4486	867265	2025-313T	SITRO-ID-4	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	513	97.42	In Earth orbit
4487	867266	2025-313U	SITRO-AIS-65	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	514	97.41	In Earth orbit
4488	867267	2025-313V	Griфон-1	2025 Dec 28 1318:05	2025 Dec 28 1550?	NOVSU	RU	493	508	97.41	In Earth orbit
4489	867268	2025-313W	Zorkiy-2M No. 7	2025 Dec 28 1318:05	2025 Dec 28 1550?	NOVSU	RU	495	515	97.41	In Earth orbit
4490	867269	2025-313X	Griфон-2	2025 Dec 28 1318:05	2025 Dec 28 1550?	NOVSU	RU	495	509	97.41	In Earth orbit
4491	867270	2025-313Y	SITRO-ID-3	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	507	97.41	In Earth orbit
4492	867271	2025-313Z	SGH-619	2025 Dec 28 1318:05	2025 Dec 28 1555:55	STTS	RU	495	517	97.41	In Earth orbit
4493	867272	2025-313AA	Polytech-Univers-6	2025 Dec 28 1318:05	2025 Dec 28 1551:55	SPBU	RU	495	517	97.41	In Earth orbit
4494	867273	2025-313AB	VM-3-1	2025 Dec 28 1318:05	2025 Dec 28 1555:25	STTS	RU	495	516	97.41	In Earth orbit
4495	867274	2025-313AC	Mokha-1	2025 Dec 28 1318:05	2025 Dec 28 1550?	KAIS	RU	495	507	97.41	In Earth orbit
4496	867275	2025-313AD	Vladivostok-2	2025 Dec 28 1318:05	2025 Dec 28 1552:25	DVPU	RU	495	516	97.41	In Earth orbit
4497	867276	2025-313AE	Argus-312	2025 Dec 28 1318:05	2025 Dec 28 1550?	KAIS	RU	494	508	97.41	In Earth orbit
4498	867277	2025-313AF	Griфон-4	2025 Dec 28 1318:05	2025 Dec 28 1550?	NOVSU	RU	495	508	97.41	In Earth orbit
4499	867278	2025-313AG	Khlor No. 5	2025 Dec 28 1318:05	2025 Dec 28 1550?	BAUM	RU	495	515	97.41	In Earth orbit
4500	867279	2025-313AH	UTE-Galapagos	2025 Dec 28 1318:05	2025 Dec 28 1553:28	UTE/YUZGU	EC	495	515	97.41	In Earth orbit
4501	867280	2025-313AJ	Zair-2	2025 Dec 28 1318:05	2025 Dec 28 1550?	IRSA/AUST	IR	494	509	97.41	In Earth orbit
4502	867281	2025-313AK	Aist-ST	2025 Dec 28 1318:05	2025 Dec 28 1557:25	SNU	RU	495	517	97.41	In Earth orbit
4503	867282	2025-313AL	Griфон-3	2025 Dec 28 1318:05	2025 Dec 28 1550?	NOVSU	RU	495	509	97.41	In Earth orbit
4504	867283	2025-313AM	MonSat-1	2025 Dec 28 1318:05	2025 Dec 28 1550?	AMGU/MAIO	RU	495	510	97.41	In Earth orbit
4505	867284	2025-313AN	Lobachevskiy	2025 Dec 28 1318:05	2025 Dec 28 1550?	LOBU	RU	495	516	97.42	In Earth orbit
4506	867285	2025-313AP	NASBSat-2	2025 Dec 28 1318:05	2025 Dec 28 1550?	ANBEL	BY	494	508	97.41	In Earth orbit
4507	867286	2025-313AQ	Mule-4T	2025 Dec 28 1318:05	2025 Dec 28 1550?	OKBSP	RU	495	510	97.41	In Earth orbit
4508	867287	2025-313AR	Luca	2025 Dec 28 1318:05	2025 Dec 28 1550?	MSR	ME	495	508	97.41	In Earth orbit
4509	867288	2025-313AS	Yeva-2	2025 Dec 28 1318:05	2025 Dec 28 1550?	KAIS	RU	494	510	97.41	In Earth orbit
4510	867289	2025-313AT	NASBSat-1	2025 Dec 28 1318:05	2025 Dec 28 1550?	ANBEL	BY	495	507	97.41	In Earth orbit
4511	867290	2025-313AU	SakhaCube-Cholbon	2025 Dec 28 1318:05	2025 Dec 28 1550?	MANVA	RU	495	508	97.41	In Earth orbit
4512	867291	2025-313AV	QMR-KW7-2	2025 Dec 28 1318:05	2025 Dec 28 1550?	ORBSKW	KW	495	510	97.41	In Earth orbit
4513	867292	2025-313AW	SITRO-AIS-64	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	515	97.41	In Earth orbit
4514	867293	2025-313AX	Skorpion	2025 Dec 28 1318:05	2025 Dec 28 1550?	MGU	RU	495	515	97.41	In Earth orbit
4515	867294	2025-313AY	SITRO-AIS-63	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	514	97.41	In Earth orbit
4516	867295	2025-313AZ	Zorkiy-2M No. 5	2025 Dec 28 1318:05	2025 Dec 28 1550?	SPUT	RU	495	516	97.41	In Earth orbit
4517	867296	2025-313BA	SITRO-AIS-62	2025 Dec 28 1318:05	2025 Dec 28 1550?	SITRO	RU	495	515	97.41	In Earth orbit
4518	867297	2025-313BB	SITRO-AIS-61	2025 Dec 28 1318:05	2025 Dec 28 1550?	UNKRU	RU	495	515	97.41	In Earth orbit
4519	867298	2025-313BC	Trisat-1	2025 Dec 28 1318:05	2025 Dec 28	UNKRU	RU	495	509	97.41	In Earth orbit
4520	867299	2025-313BD	Trisat-2	2025 Dec 28 1318:05	2025 Dec 28	RUVDS	RU	495	509	97.41	In Earth orbit
4521	867482	2025-313BE	Trisat-3	2025 Dec 28 1318:05	2025 Dec 28	QAU	QA	494	508	97.41	In Earth orbit
4522	A11746	2025-313	Manafon No. 2 GMM?	2025 Dec 28 1318:05	-	NPOPM/MAIO	RU	473	869	97.56	Attached to Freгат adapter
4523	T00005	2025-313	Trisat-4	2025 Dec 28 1318:05	2025 Dec 28	OKBSP	RU	494	510	97.41	In Earth orbit
4524	867300	2025-314A	Tianhui-7	2025 Dec 30 0412	2025 Dec 30 0427?	GCDX	CN	480	489	97.42	In Earth orbit
4525	867302	2025-315A	Shi Jian 29A	2025 Dec 30 2240:07	2025 Dec 30 2306?	ZLZB	CN	35781	35791	3.00	In Earth orbit
4526	867403	2025-315C	Shi Jian 29B	2025 Dec 30 2240:07	-	ZLZB	CN	164	33998	19.54	Attached to CZ-7A Y7 Stage 3
Appendix 2(D): Payloads not included in annual statistics											
1	A11398	2025-009	Transporter-12	2025 Jan 14 1909:00	-	SPX	US	592	595	97.75	Reentered AT to Falcon 9-426 Stage 2
2	A11403	2025-009	W-2 Reentry Vehicle	2025 Jan 14 1909:00	2025 Feb 27 1416	VARDA	US	325	893	97.20	Landed
3	A11404	2025-009	Ray Reentry Vehicle	2025 Jan 14 1909:00	-	INVER	US	518	518	97.44	Attached to Ray 1.0
4	A11402	2025-010	Tenacious	2025 Jan 15 0611	-	INVER	L	176	362529	35.17	Luna to Resilience
5	A11401	2025-011A	Payload Mass Simulator	2025 Jan 16 0703	-	BLOK	US	2409	19224	30.00	Attached to New Glenn GS2 F1
6	S63330	2025-026F	Kosmos-2583 subsatellite	2025 Feb 5 0359	2025 Mar 18 1800?	MORF	RU	577	597	82.01	In Earth orbit

7	A11422	2025-038	Grace	2025 Feb 27 0016:30	-	INTMA	US	211	367501	28.52	Lunar failed to IM-2, Athena
8	A11423	2025-038	MAPP	2025 Feb 27 0016:30	-	LUOUT	US	211	367501	28.52	Lunar failed to IM-2, Athena
9	A11424	2025-038	Yaoki	2025 Feb 27 0016:30	-	DYMON	J	211	367501	28.52	Lunar failed to IM-2, Athena
10	A11437	2025-052	Transporter-13	2025 Mar 15 0643:00	-	SPX	US	592	594	97.75	Reentered Att to Falcon 9-449 Stage 2 (F448)
11	A11439	2025-052	W-3 Reentry Vehicle	2025 Mar 15 0643:00	2025 May 14 01:37?	VARDA	US	513	513	97.45	Landed
12	A11471	2025-081	Bandwagon-3	2025 Apr 22 0048:34	-	SPX	US	567	607	45.41	Reentered Att to Falcon 9-464 Stage 2
13	A11473	2025-081R	Phoenix 1	2025 Apr 22 0048:34	2025 Apr 22 0227:35	ATMOS	D	-35	584	45.41	Landed
14	A11510	2025-002	Starlink Simulator 15	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
15	A11511	2025-002	Starlink Simulator 16	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
16	A11512	2025-002	Starlink Simulator 17	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
17	A11513	2025-002	Starlink Simulator 18	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
18	A11514	2025-002	Starlink Simulator 19	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
19	A11515	2025-002	Starlink Simulator 20	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
20	A11516	2025-002	Starlink Simulator 21	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
21	A11517	2025-002	Starlink Simulator 22	2025 May 27 2336:29?	-	SPXS	US	5	189	26.40	Reentered Att to Starship FT-9
22	A11518	2025-114A	Tianwen-2 Reentry Capsule	2025 May 28 1731	-	CASC	CN	170	-75000	28.00	Sun to Tianwen-2
23	A11534	2025-135	Transporter-14	2025 Jun 23 2125:00	-	SPX	US	592	593	97.75	Reentered Att to Falcon 9-496 Stage 2
24	A11536	2025-135	Mission Possible	2025 Jun 23 2125:00	2025 Jun 24 0008	EXCO	D	-50	593	97.75	Deorbited
25	A11537	2025-135	W-4 Reentry Vehicle	2025 Jun 23 2125:00	-	VARDA	US	592	593	97.75	Attached to W-4
26	A11590	2025-U03	Starlink Simulator 23	2025 Aug 26 2330:03?	2025 Aug 26 2349:20	SPXS	US	2	192	26.40	Reentered
27	A11591	2025-U03	Starlink Simulator 24	2025 Aug 26 2330:03?	2025 Aug 26 2349:50	SPXS	US	2	192	26.40	Reentered
28	A11592	2025-U03	Starlink Simulator 25	2025 Aug 26 2330:03?	2025 Aug 26 2351:00	SPXS	US	2	192	26.40	Reentered
29	A11593	2025-U03	Starlink Simulator 26	2025 Aug 26 2330:03?	2025 Aug 26 2351:35	SPXS	US	2	192	26.40	Reentered
30	A11594	2025-U03	Starlink Simulator 27	2025 Aug 26 2330:03?	2025 Aug 26 2352:42	SPXS	US	2	192	26.40	Reentered
31	A11595	2025-U03	Starlink Simulator 28	2025 Aug 26 2330:03?	2025 Aug 26 2353:18	SPXS	US	2	192	26.40	Reentered
32	A11596	2025-U03	Starlink Simulator 29	2025 Aug 26 2330:03?	2025 Aug 26 2354:24	SPXS	US	2	192	26.40	Reentered
33	A11597	2025-U03	Starlink Simulator 30	2025 Aug 26 2330:03?	2025 Aug 26 2355:00	SPXS	US	2	192	26.40	Reentered
34	A11646	2025-U04	Starlink Simulator 31	2025 Oct 13 2323:45	2025 Oct 13 2343:17	SPXS	US	-1	192	26.40	Reentered
35	A11647	2025-U04	Starlink Simulator 32	2025 Oct 13 2323:45	2025 Oct 13 2343:37	SPXS	US	-1	192	26.40	Reentered
36	A11648	2025-U04	Starlink Simulator 33	2025 Oct 13 2323:45	2025 Oct 13 2344:52	SPXS	US	-1	192	26.40	Reentered
37	A11649	2025-U04	Starlink Simulator 34	2025 Oct 13 2323:45	2025 Oct 13 2345:23	SPXS	US	-1	192	26.40	Reentered
38	A11650	2025-U04	Starlink Simulator 35	2025 Oct 13 2323:45	2025 Oct 13 2346:30	SPXS	US	-1	192	26.40	Reentered
39	A11651	2025-U04	Starlink Simulator 36	2025 Oct 13 2323:45	2025 Oct 13 2346:57	SPXS	US	-1	192	26.40	Reentered
40	A11652	2025-U04	Starlink Simulator 37	2025 Oct 13 2323:45	2025 Oct 13 2348:11	SPXS	US	-1	192	26.40	Reentered
41	A11653	2025-U04	Starlink Simulator 38	2025 Oct 13 2323:45	2025 Oct 13 2348:41	SPXS	US	-1	192	26.40	Reentered
42	A11675	2025-248	Bandwagon-4	2025 Nov 2 0509:59	-	SPX	US	509	514	45.41	Reentered Att to Falcon 9-560 Stage 2
43	A11695	2025-276	Transporter-15	2025 Nov 28 1844:30	-	SPX	US	563	563	97.60	Reentered Att to Falcon 9-564 Stage 2
44	A11739	2025-276	W-5 Reentry Vehicle	2025 Nov 28 1844:30	2026 Jan 29 1339	VARDA	US	510	512	97.44	Landed
45	A11715	2025-296	Dier-5 RV	2025 Dec 13 0108	-	ZYK	CN	503	525	41.35	Attached to Xi Wang 5-2
46	A11722	2025-U06	Michibiki-5	2025 Dec 22 0151:30	2025 Dec 22 0156?	NUSS/JAXA	J	-4400	400	30.00	Reentered