HISTORICAL ANALYSIS · 2024 → 2025

Vehicle-Level Growth Decomposition: 2024 vs 2025

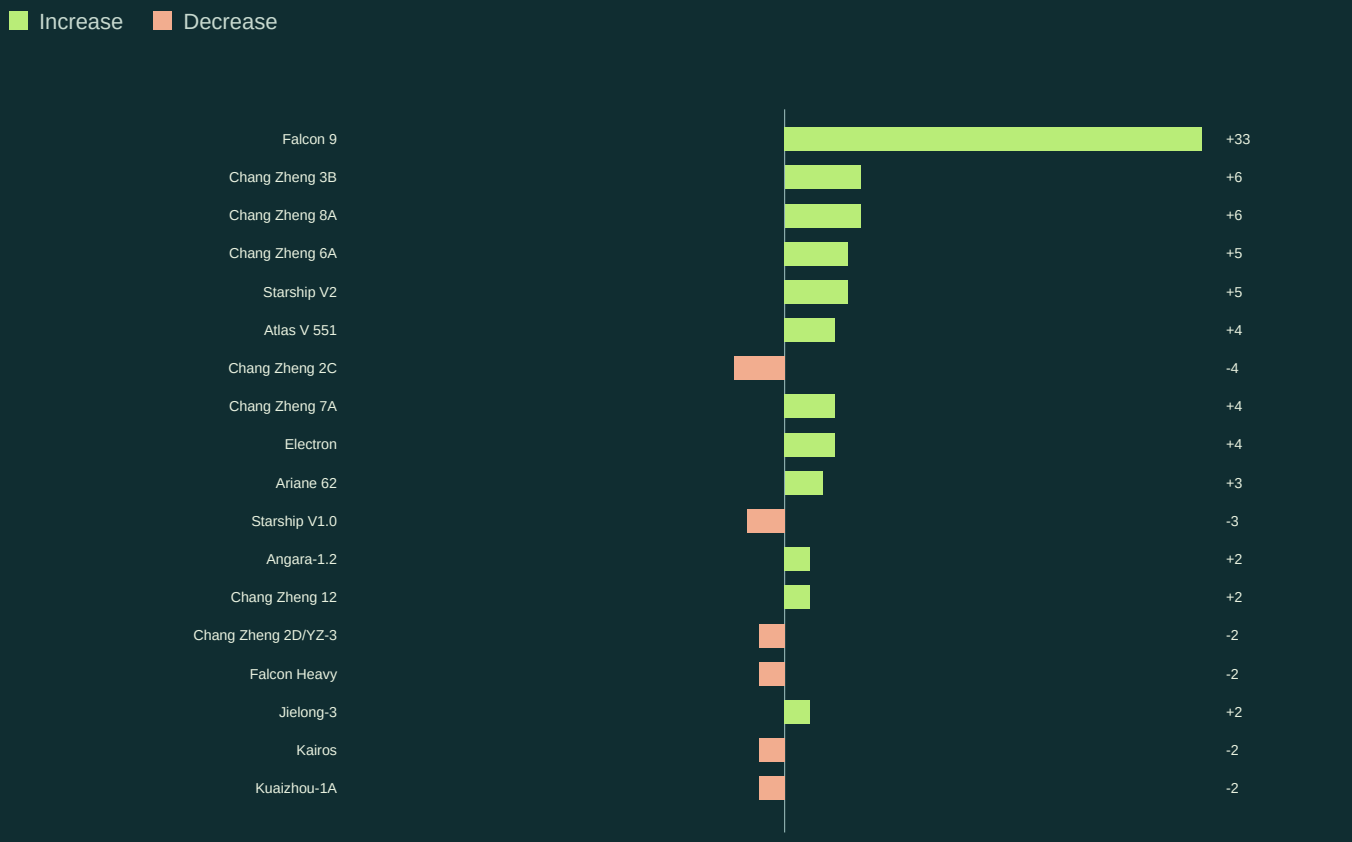
Identify the arithmetic contributions behind a change in launch volume, without attributing economic causes.

Source snapshot · 29 October 2026 GCAT / Jonathan McDowell Scope · O + D

BASELINE	COMPARISON	NET CHANGE	GROWTH
262	329	+67	25.57%
2024	2025	Launches	Relative to baseline total

Contributions to the net change

Largest absolute changes shown; the table contains all groups. Positive and negative contributions share a zero axis.



Source: GCAT · Unique launch identifiers

Descriptive historical analysis · no causal inference

> 2026 is incomplete. Its 254 snapshot launches are excluded from these full-period calculations.

READING THE DATA

What the record shows

01

Contributions reconcile

Positive contributions total 104 launches; negative contributions total -37. Their sum is the net change of +67.

02

A common denominator

The comparison moves from 262 to 329 launches. Growth is 25.57%; contributions use the same baseline denominator.

03

Largest absolute movement

Falcon 9 changes from 132 to 165 launches (+33). This identifies a numerical contribution, not its cause.

THE UNDERLYING NUMBERS

Every vehicle contribution

Contribution in percentage points uses the total baseline as denominator. Contributions sum to overall growth.

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VEHICLE	2024	2025	CHANGE	CONTRIBUTION PP
Falcon 9	132	165	+33	12.60
Chang Zheng 3B	7	13	+6	2.29
Chang Zheng 8A	0	6	+6	2.29
Chang Zheng 6A	5	10	+5	1.91
Starship V2	0	5	+5	1.91
Atlas V 551	1	5	+4	1.53
Chang Zheng 7A	2	6	+4	1.53
Electron	14	18	+4	1.53
Ariane 62	1	4	+3	1.15

VEHICLE	2024	2025	CHANGE	CONTRIBUTION PP
Angara-1.2	1	3	+2	0.76
Chang Zheng 12	1	3	+2	0.76
Jielong-3	2	4	+2	0.76
LVM3	0	2	+2	0.76
New Glenn 7x2	0	2	+2	0.76
Vega C	1	3	+2	0.76
Angara A5	0	1	+1	0.38
Chang Zheng 11	0	1	+1	0.38
Chang Zheng 12A	0	1	+1	0.38
Chang Zheng 2F	2	3	+1	0.38
Chang Zheng 3C	0	1	+1	0.38
Chang Zheng 3C/YZ-1	0	1	+1	0.38
Chang Zheng 4C	2	3	+1	0.38
Chang Zheng 5B/YZ-2	1	2	+1	0.38
Eris Block 1	0	1	+1	0.38
GSLV Mk II	1	2	+1	0.38
Gushenxing 1	5	6	+1	0.38
H3-24W	0	1	+1	0.38
HANBIT-NANO	0	1	+1	0.38
Lijian-1	4	5	+1	0.38
Minotaur IV	0	1	+1	0.38
Nuri	0	1	+1	0.38
Shavit 2	0	1	+1	0.38
Spectrum	0	1	+1	0.38
Vulcan Centaur VC4S	0	1	+1	0.38
Zhuque-2E	1	2	+1	0.38
Zhuque-3	0	1	+1	0.38
Zoljanah	0	1	+1	0.38
Chang Zheng 2C/YZ-1S	1	1	+0	0.00
Chang Zheng 2D	7	7	+0	0.00
Chang Zheng 4B	4	4	+0	0.00
Chang Zheng 5	2	2	+0	0.00
Chang Zheng 8	1	1	+0	0.00

VEHICLE	2024	2025	CHANGE	CONTRIBUTION PP
Firefly Alpha	1	1	+0	0.00
Kuaizhou-11	1	1	+0	0.00
PSLV-XL	1	1	+0	0.00
Shuang Quxian 1	1	1	+0	0.00
Soyuz-2-1B	6	6	+0	0.00
Soyuz-2-1V	1	1	+0	0.00
Yinli-1	1	1	+0	0.00
Angara A5/Orion	1	0	-1	-0.38
Atlas V N22	1	0	-1	-0.38
Chang Zheng 3B/YZ-1	1	0	-1	-0.38
Chang Zheng 6	2	1	-1	-0.38
Chang Zheng 6C	1	0	-1	-0.38
Chang Zheng 7	2	1	-1	-0.38
Delta 4H	1	0	-1	-0.38
H-IIA 202	2	1	-1	-0.38
H3-22S	3	2	-1	-0.38
NK Kerolox LV	1	0	-1	-0.38
PSLV	1	0	-1	-0.38
PSLV-DL	1	0	-1	-0.38
SSLV	1	0	-1	-0.38
Vega	1	0	-1	-0.38
Chang Zheng 2D/YZ-3	2	0	-2	-0.76
Falcon Heavy	2	0	-2	-0.76
Kairos	2	0	-2	-0.76
Kuaizhou-1A	4	2	-2	-0.76
Qaem-100	2	0	-2	-0.76
Simorgh	2	0	-2	-0.76
Soyuz-2-1A	8	6	-2	-0.76
Vulcan Centaur VC2S	2	0	-2	-0.76
Starship V1.0	3	0	-3	-1.15
Chang Zheng 2C	6	2	-4	-1.53

TRANSPARENT BY DESIGN

Methodology & sources

Scope and identity

Grouping uses exact vehicle labels, without inferred family or ownership mergers. Filters: none. Unknown labels remain explicit. Counts include successful and failed O+D launches.

Time coverage

The source was retrieved on 29 October 2026. Only requested years before the snapshot year are used. Complete calendar periods do not guarantee that the source is error-free.

Decomposition

For group i: delta_i = comparison_i − baseline_i. Contribution_pp = 100 × delta_i / baseline_total. Periods must contain equal numbers of calendar years, be non-overlapping and precede the snapshot year. A group absent from a covered period has zero launches; a missing source year causes an error.

Scope and limitations

Unique O (orbital) and D (deep-space) launches are included, including failures. N flights and events without liftoff are excluded. The source classification is retained. These results describe the snapshot; they do not establish causes or forecast future activity.

Attribution

Data from GCAT — Jonathan C. McDowell, CC BY 4.0. Compatisto aggregates and visualizes the records. · Field documentation.

Source SHA-256
ee70d1d8b7cb72a239f60a996c061cd1ddf4fed493686f2d8e8333a83a91d5c3