

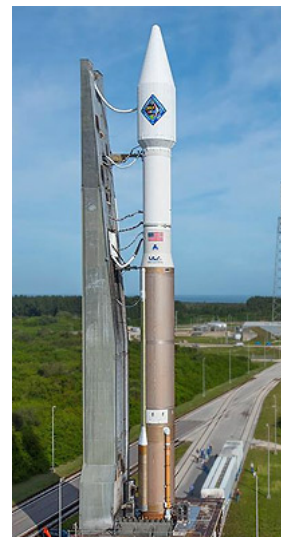
Atlas-5(401)



Atlas-5(401) (Hot Bird 6) [ILS]
(short fairing)



Atlas-5(401) (Intruder 8) [ULA]
(medium fairing)



Atlas-5(401) (Cygnus CRS-4) [ULA]
(long fairing)

→ complete [Atlas-5 launch list](#)

Version	Stage 1	Stage 2
Atlas-5(401)	CCB / RD-180	Centaur-5-SEC / RL10A-4-2 or RL10C-1

Performance (kg)	LEO	LPEO	SSO	GTO	GEO	MolO	IP
Atlas-5(401)	* 9050		7335	6670	4950	-	

Nr:	TNr:	Vehicle:	Serial:	Fair:	LS:	Date:	Payload
1	1	Atlas-5(401)	AV-001	4S	CC SLC-41	21.08.2002	Hot Bird 6
2	2	Atlas-5(401)	AV-002	4S	CC SLC-41	13.05.2003	Hellas-Sat 2
6	3	Atlas-5(401)	AV-007	4S	CC SLC-41	12.08.2005	MRO
9	4	Atlas-5(401)	AV-013	4S	CC SLC-41	09.03.2007	ASTRO / NEXTSat-CSC / STPSat 1 / CFESat / MidSTAR 1 / FalconSat 3
10	5	Atlas-5(401)	AV-009	4M	CC SLC-41	15.06.2007	Intruder 8A (USA 194) / Intruder 8B (USA 194-2, NROL 30)
12	6	Atlas-5(401)	AV-015	4S	CC SLC-41	10.12.2007	Quasar 16 (USA 198, NROL 24)
16	7	Atlas-5(401)	AV-020	4S	CC SLC-41	18.06.2009	LRO / LCROSS
17	8	Atlas-5(401)	AV-018	4S	CC SLC-41	08.09.2009	Nemesis 1 (PAN, USA 207)
18	9	Atlas-5(401)	AV-017	4S	Va SLC-3E	18.10.2009	DMSP-5D3 F18 (USA 210)
20	10	Atlas-5(401)	AV-021	4S	CC SLC-41	11.02.2010	SDO
26	11	Atlas-5(401)	AV-022	4S	CC SLC-41	07.05.2011	SBIRS-GEO 1 (USA 230)
31	12	Atlas-5(401)	AV-023	4S	CC SLC-41	20.06.2012	Quasar 18 (USA 236, NROL 38)
32	13	Atlas-5(401)	AV-032	4S	CC SLC-41	30.08.2012	RBSP A / RBSP B
33	14	Atlas-5(401)	AV-033	4M	Va SLC-3E	13.09.2012	Intruder 10A (USA 238) / Intruder 10B (USA 238-2, NROL 36) / Aeneas / SMDC-ONE 2.1 / SMDC-ONE 2.2 / STARE A / CINEMA 1 / CSSWE / CXBN / AeroCube 4A / AeroCube 4B / AeroCube 4C / CP 5 / OUTSat
35	15	Atlas-5(401)	AV-036	4M	CC SLC-41	31.01.2013	TDRS 11 (K)
36	16	Atlas-5(401)	AV-035	4M	Va SLC-3E	11.02.2013	Landsat 8 (LDCM)
37	17	Atlas-5(401)	AV-037	4S	CC SLC-41	19.03.2013	SBIRS-GEO 2 (USA 241)
38	18	Atlas-5(401)	AV-039	4S	CC SLC-41	15.05.2013	GPS-2F 4 (USA 242)
41	19	Atlas-5(401)	AV-038	4S	CC SLC-41	18.11.2013	MAVEN
43	20	Atlas-5(401)	AV-043	4M	CC SLC-41	24.01.2014	TDRS 12 (L)
45	21	Atlas-5(401)	AV-044	4S	Va SLC-3E	03.04.2014	DMSP-5D3 F19 (USA 249)
46	22	Atlas-5(401)	AV-046	4S	CC SLC-41	22.05.2014	Quasar 19 (USA 252, NROL 33)
47	23	Atlas-5(401)	AV-048	4S	CC SLC-41	02.08.2014	GPS-2F 7 (USA 256)
48	24	Atlas-5(401)	AV-047	4S	Va SLC-3E	13.08.2014	worldview 3
49	25	Atlas-5(401)	AV-049	4S	CC SLC-41	17.09.2014	Nemesis 2 (CLIO, USA 257)
50	26	Atlas-5(401)	AV-050	4S	CC SLC-41	29.10.2014	GPS-2F 8 (USA 258)
55	27	Atlas-5(401)	AV-055	4S	CC SLC-41	15.07.2015	GPS-2F 10 (USA 262)
58	28	Atlas-5(401)	AV-058	4M	Va SLC-3E	08.10.2015	Intruder 11A (USA 264) / Intruder 11B (USA-284-2, NROL 55) / SNaP-3 ALICE / SNaP-3 EDDIE / SNaP-3 JIMI / LMRSTsat / SINOD-D 1 / SINOD-D 3 / AeroCube 5C / OCSA A (AeroCube 7A) / ARC 1 / BisonSat / Fox 1A / PropCube 1 / PropCube 3
59	29	Atlas-5(401)	AV-060	4S	CC SLC-41	31.10.2015	GPS-2F 11 (USA 265)
60	30	Atlas-5(401)	AV-061	4L	CC SLC-41	06.12.2015	Cygnus CRS-4 / SIMPL1 / AggieSat 41 / Bevo 21 / Flock-2e 1, ..., 121 / MinXSS 11 / CADRE1 / Nodes 11 / Nodes 21 / STMSat 11 / SNAPS1
61	31	Atlas-5(401)	AC-057	4S	CC SLC-41	05.02.2016	GPS-2F 12 (USA 266)
62	32	Atlas-5(401)	AV-064	4L	CC SLC-41	23.03.2016	Cygnus CRS-6 / Diwata 11 / Flock-2e' 1, ..., 201 / Lemur-2 5, ..., 131
66	33	Atlas-5(401)	AV-062	4S	Va SLC-3E	11.11.2016	worldview 4 / RAVAN / OptiCube 4 / AeroCube 8C / AeroCube 8D / Prometheus 2.1 / Prometheus 2.3 / CELTEE 1
69	34	Atlas-5(401)	AV-066	4S	CC SLC-41	21.01.2017	SBIRS-GEO 3 (USA 273)
70	35	Atlas-5(401)	AV-068	4M	Va SLC-3E	01.03.2017	Intruder 12A (USA 274) / Intruder 12B (USA 274-2, NROL 79)
71	36	Atlas-5(401)	AV-070	4L	CC SLC-41	18.04.2017	Cygnus CRS-7 / ALTAIR 11 / SUSat1 / UNSW-EC01 / i-INSPIRE 21 / ZA-AeroSat1 / nSIGHT 1 / Ex-Alta 11 / LilacSat 11 / NJUST 11 / Aoxiang 11 / SOMP 21 / QBIT01 / Aalto 21 /

[X-CubeSat↑](#) / [SpaceCube↑](#) / [DUTHSat↑](#) / [UPSat↑](#) / [Hoopoe↑](#) / [LINK↑](#) / [SNUSAT 1↑](#) / [SNUSAT 1↑](#)
[qbee50-LTU-OC↑](#) / [BeEagleSat↑](#) / [HAVELSAT↑](#) / [Phoenix↑](#) / [PolyITAN-2-SAU↑](#) / [QBUS 1↑](#) /
[QBUS 2↑](#) / [QBUS 4↑](#) / [IceCube↑](#) / [CSUNSat 1↑](#) / [CXBN 2↑](#) / [Kysat 3↑](#) / [SHARC↑](#) /
[Lemur-2 30, ..., 33↑](#)
[TDRS 13 \(M\)](#)

72 37 Atlas-5(401) AV-074 4M CC SLC-41 18.08.2017

Planned:

x	x	Atlas-5(401)	x	4S	Va	SLC-3E	xx.05.2018	Insight (Discovery 12) / Marco 1 / Marco 2
x	x	Atlas-5(401)	x	4M	Va	SLC-3E	xx.xx.2021	JPSS 2
x	x	Atlas-5(401)	x	4M	Va	SLC-3E	xx.xx.2020	Landsat 9
x	x	Atlas-5(401)	x	4	?		xx.xx.xxxx	(NRO)

Failures:

Flight 10: Centaur shut down 4 sec too early during second burn due to a leaking oxygen valve
 Flight 62: Stage 1 shut down too early, fully compensated by upper stage.

Fairing types:

4S = 4 m diameter, 9.4 m inner height (LPF)
 4M = 4 m diameter, 10.3 m inner height (EPF)
 4L = 4 m diameter, 11.2 m inner height (XEPF)

Launch sites:

CC = Cape Canaveral Air Force Station, Eastern Test Range, Cape Canaveral, Florida, USA
 Va = Vandenberg AFB, California, USA