



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (11.1.2021.)

2021.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change on 11. Jan. 2021.

- Jan17.** [Falcon 9](#) **Starlink L16**
Launch site: [Cape Canaveral](#), USA
- Jan19.** [CZ-3B/G?](#) **??**
- Jan21. 1700UTC** [Falcon 9](#) **SpaceX Transporter-1**
Launch site: [Cape Canaveral](#), USA
- ??** Shuang Quxian-1 SQX-1 (Y2) Fangzhou-2
Launch site: [Jiuquan](#), China
- Jan?? CZ-6 Satellogic sats
Launch site: [Taiyuan](#), China
- Jan?? Firefly Alpha first flight
Launch site: [Vandenberg](#), USA
- Jan?? [CZ-3B/G3](#) Tiantong-1 (03)
Launch site: [Xichang](#), China **200**
- Jan?? [Falcon 9](#) Starlink L16
Launch site: [Cape Canaveral](#), USA
- Jan?? Cosmic Girl / LauncherOne (demo flight 2) ELaNaXX
Launch site: [Spaceport America](#), USA
- Jan?? [CZ-4C](#) Yaogan Weixing -31 Group-2
- ?? [Soyuz-2-1A/Fregat](#) 14F01 (Neutron)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia
- ?? [Safir 1 B](#) Nahid-1
Launch site: [Semnan](#), Iran
- ?? [Electron F17](#) STP 27R
?? [Soyuz-2 1B /Fregat-M](#) Glonass K1 / 16
?? [Delta IV-H](#) NROL-82
- Feb15.** [Soyuz-2](#) [Progress MS 16](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Feb20. 1736UTC** [Antares 230](#) [Cygnus OA-15](#)
- Feb25.** [Soyuz-2 B/Fregat-MT F5](#) **OneWeb smalsat (x36)**
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia
- Feb26.** [Atlas 5 551](#) **STP-03**



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Feb28. [Falcon H](#) AFSPC-44

Feb28. [Soyuz-2-1B](#) / [Fregat](#) **Arktika-M No1**

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Feb?? CZ-6 Satellogic sats

Launch site: [Taiyuan](#), China

Feb?? [Falcon 9](#)

SARah 1

Feb?? [Falcon 9](#)

Starlink L17

Feb?? [PSLV](#)

Amazonia-1

?? [Electron](#)/Photon CAPSTONE (Cislunar Autonomous Positioning System Technology Operations and Navigation Experiment)

Launch site: [Wallops Island](#), USA

?? [Falcon 9](#) SiriusXM SX8

Launch site: [Cape Canaveral](#), USA

180

?? [GSLV](#) F10 GISAT 1

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

?? SSLV D1 Microsat 2A

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

?? [CZ-3B/G3](#) FY-4B Fengyun-4B

?? [H-IIA](#) Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)

?? [H-IIA](#) 204 Inmarsat-6 F1

?? Minotaur 1 NROL 111

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 4

?? [Soyuz-2](#)-1V Nivelir 3

?? [Soyuz-2](#)-1B Pion

?? [Soyuz-2](#)- Razdan 1

?? [Soyuz-2](#) 1A [Bars-M](#) 3

Mar04. [Ariane 5](#) ECA V254 Eutelsat Quantum / Star One D2

Mar29. [Atlas 5](#) 422 (AV082) CST-100 Starliner unmaned test

Mar?? CZ-6 Satellogic sats

Launch site: [Taiyuan](#), China

Mar?? [Atlas 5](#) 411

SBIRS-GEO 5

Mar?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

Mar?? [GSLV](#) MK II Chandrayan-3

Mar?? [Atlas 5](#) 511 (AV-085) AFSPC-8 (GSSAP 5, GSSAP 6)

Mar?? [Vega](#) VV-19 Pleiades Neo 1

160

Mar?? [Soyuz-2](#) B /[Fregat](#)-M CAS500-1; +

?? [GSLV](#)-Mk III. Gaganyaan-1 Dr B N Suresh and Mr Madan Lal, Vikram Sarabhai Space Centre (VSSC) presented the concept for the manned space mission including the development of an autonomous Orbital Vehicle (4,000kg manned capsule).

?? [CZ-11](#) CAS-5A, CAS-5B, CAS-7A, CAS-/C

Launch site: [Jiuquan](#), China



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?? CZ-6 LC-16 Qilu-1, Qilu-4
Launch site: [Taiyuan](#), China

??	CZ-11	Fengtai Shaonian-02
??	CZ-2D	CAS 6
??	CZ	CBERS-SAR 1
??	CZ-4C	FY-3E Fengyun-3E
??	CZ	CBERS-6
??	KZ-1A	GeeSat-1A; GeeSat-1B
??	Ariane 5 ECA	GSAT-20
??	??	EX-3
??	JL-1 (Y2)	Yizheng-1, Yizheng-2 two 0,9 m resolution satellites
??	??	Xidian -1
??	CZ-6	HY-3A Haiyang-3A
??	KZ-1A	Jilin-1, Gaofen-02F
??	CZ-4C	Gaofen-3 (02)
??	CZ-6	2m resolution multispectral satellite

Apr08. [Atlas 5](#) **Landsat 9**

Apr09. [Soyuz-2-1A](#) [Soyuz MS 18](#)
CDR: Олѐг Викторович **Новицкий** (Oleg **Novitsky**), Пѐтр Валерьевич **Дубров** (Pyotr **Dubrov**), Сергей Владимирович **Корсаков** (Sergei Vladimirovich **Korsakov**) **140**

Apr?? [Falcon 9](#) [Dragon v2](#) (USCV-2)
Cdr: Shane **Kimbrough**, Megan **McArthur**, Akihiko **Hoshide**, Thomas **Pesquet**

Apr?? [CZ-5B](#) Y2 Tian He Space Station Core Module

?? [Soyuz-2](#) 1B /[Fregat](#)-M Resurs N°4

?? [GSLV](#) MK II F11 GSAT-10A
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

??	PSLV	Oceansat-3A
??	PSLV	RISAT_1A
??	GSLV MK II F12	GISAT -2
??	GSLV	GSAT - 32
??	SSLV D2	Demo 2
??	PSLV	ScatSat, NovaSAR

??	Ariane 5	Arsat 3
??	Ariane 5	ViaSat-3 Asia
??	Ariane 5 ECA	EDRS-D

May12. [Falcon 9](#) FT [Dragon SpX-22](#)

??	Ariane 5	ViaSat 3 EMEA
??	Ariane 62	Galileo-FOC FM23, Galileo-FOC FM24
??	PSLV	HRSAT
??	PSLV	Cartosat-3B
??	PSLV	IRNSS-1J
??	CZ-2D	SJ-19 Shijian-19

June22. [Falcon 9](#) **DART (Double Asteroid Redirection Test)** **120**



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June30. [Soyuz-2](#) [Progress MS 17](#)

June?? [Atlas 5](#) 422 (AV083) CST-100 Starliner
 CDR: Barry **Wilmore**, Michael **Fincke**, Nicole Aunapu **Mann**
 Launch site: [Cape Canaveral](#), USA

June?? [Soyuz ST](#) B/[Fregat](#) MT Euclid
 Euclid will depart Earth on a Soyuz rocket launched from French Guiana and head for the L2 Lagrange point.

June??. - inaugural flight - Vega-C VV-19 Lares 2
 Launch site: [Kourou](#), French Guiana

?? [Soyuz-2 ST](#) Galileo-FOC FM23, Galileo-FOC FM24
 Launch site: [Kourou](#), French Guiana

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 5
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 6
 ?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass M / 61
 ?? [Falcon 9](#) GPS IIIA-6
 ?? [Soyuz-2](#) 1A [Bars-M](#) 4
 ?? [Angara](#) A5/ DM 03(Persei) Kosmos
 ?? [Soyuz-2](#)-1V ??
 ?? [Soyuz-2](#)-1V ??
 ?? [Angara](#) 1.2 Kosmos

July01. [Falcon 9](#) [GPS IIIA-5](#)

July15. [Proton-M](#) [MLM](#)
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

July?? Vulcan/Minotaur 6/[Falcon 9](#) v1.1 JPSS-2
 July?? [Vega](#) C Biomass
 July?? GSLV-Mk III. Gaganyaan-2
 July?? [Antares](#) 230 [Cygnus](#) OA-16 100
 July?? CZ-7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)

?? Vega-C VV-20 Pleiades Neo 2
 Launch site: [Kourou](#), French Guiana

?? [Soyuz ST](#) B/[Fregat](#)-MT EarthCare
 ?? CZ-2F/G SZ-13 Shenzhou-12

Aug?? [Atlas 5](#) 551 AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))

Aug?? [Soyuz-2](#)-1B/[Fregat](#)-M Meteor M No2-3

?? [Proton-M](#)/[Briz-M](#) Luch-5VM 1

Sep01. [Falcon 9](#) FT [Dragon](#) SpX-23

Sep12. [Falcon 9](#) [Dragon v2](#) USCV-3 (US Commercial Vehicles)
 CDR: Thomas **Marshburn**, Raja **Chari**, Kayla **Barron**, Mathias **Maurer** (ESA)

Sep?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EPS-SG-a/Sentinel-5A



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Sep??	Falcon 9	SWOT	
Sep??	Falcon 9	OHB SARah 2/3	
Sep??	CZ-2F/G	SZ-12 Shenzhou-13	
??	Delta IV-H	NROL-91	
Oct01.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)	
Launch site: Восточный (Vostochniy) Cosmodrome, Russia			
Oct05.	Soyuz-2-1A	Soyuz MS 19	
CDR: Антон Николаевич Шкаплеров (Anton Nikolaevich Shkaplerov), Андрей Николаевич Бабкин (Andrei Babkin), Дмитрий Александрович Петелин (Dmitriy Aleksandrovich Petelin)			
Oct16.	Atlas 5 401	Lucy	
Oct28.	Soyuz-2	Progress MS 18	
Oct31.	Ariane 5 ES	JWST (James Webb Space Telescope)	
Oct31.	Angara 1.2	Kompsat-6	80
Oct??	Falcon 9	Dragon v2 Axiom 1 Crew Dragon	
CDR: Michael Lopez-Alegria , Thomas Cruise , Eytan Stibbe , Doug Liman			
Oct??	Atlas 5 401/Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)	
Oct??	Ariane 62	CSO-3	
Nov15.	Falcon 9 FT	Dragon SpX-24	
Nov17.	Soyuz-2	Progress MS 19	
Nov24.	Soyuz-2 1B	Progress M-UM	
Nov??	SLS-1	Artemis-1	Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
Nov??	Falcon 9	IXPE (Imaging X-ray Polarimetry Explorer)	
??	PSLV	EnMAP	
??	Proton-M/Briz-M	Ekspress AMU 3 / Ekspress AMU 7	
??	Vega	Cosmo-SkyMed Secon Gen 2 CSG-2	
Dec07.	Atlas 5 541	GOES-T (National Security Space Launch program)	
Dec08.	Soyuz-2-1A	Soyuz MS 20	
CDR: Александр Александрович Мисуркин (Alexander Alexanderovich Misurkin),			
Dec??	Vega C KOMPSAT 7		
Dec??	GSLV-Mk III.	Gaganyaan-3	
Dec??	Falcon 9	NROL-85 Intruder 13A713B	
Dec??	Falcon 9	NROL-87	
??	Ariane 5	MTG-I1	
??	Atlas 5 552	Dream Chaser Cargo System SNC-2	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	60



Blog Gorana Hudeca

??	Falcon H	ViaSat 3	
??	??	Seosat-Ingenio-2	
??	Vega	OpSis	
??	Vega C	CERES (x3)	
??	Vega	SSMS – 2 (Small Spacecraft Mission Service)	
??	Vega	Proba 3	
??	Falcon 9	GPS IIIA-7	
??	Falcon 9	GPS IIIA-8	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2 -1B/ Fregat -M	Meteor M No2-4	
??	Soyuz-2 -1B/ Fregat -M	Smotr R №1	
??	Soyuz-2 -1B/ Fregat -M	Arktika M 2	
??	Soyuz-2 -1B/ Fregat -M	Kondor-FKA n.º 2	
??	Soyuz-2 1B / Fregat -M	Resurs №5	
??	Angara A5/ Briz-M	Luch 5M	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 17	
??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 13	
??	Soyuz-2 -1A/ Fregat -M	Gonets x 6	
??	Soyuz-2 -1A/ Fregat	Resonance 1A, Resonance 1B	RESONANCE is a project to study Earth's magnetosphere consisting of four similar satellites.
??	Soyuz-2 -1B	Lotos S1	40
??	Soyuz-2 -1B	Persona	
??	Soyuz-2 -1A	Kobalt M	
??	Soyuz-2 -1A	Foton M	
??	Soyuz-2 -1B/ Fregat -M	Kondor-FKA n.º 1	
??	Soyuz-2 -1B	Obzor R -1	
??	??	Zond	
??	??	MKA PN6 (Monika)	
??	??	Картограф-ОЭ №1	
??	Soyuz ST B/ Fregat (VS26)	OneWeb smalsat (x34)	
Launch site: Kourou , French Guiana			
??	Soyuz-2 B/ Fregat	OneWeb smalsat (x36)	
Launch site: Восточный (Vostochniy) Cosmodrome, Russia			
??	Soyuz-2 B/ Fregat	OneWeb smalsat (x34)	
??	Soyuz-2 B/ Fregat	OneWeb smalsat (x36)	
??	Soyuz-2 B/ Fregat	OneWeb smalsat (x36)	
??	Soyuz-2 B/ Fregat	OneWeb smalsat (x36)	
??	Soyuz-2 B/ Fregat	OneWeb smalsat (x34)	
??	Soyuz-2 B/ Fregat	OneWeb smalsat (x34)	
??	Ariane 5	Heinrich Hertz	
??	Ariane 5	SES-17	
??	Ariane 5	Comsat NG 1 (Syracuse 4A)	



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?? [Soyuz ST B/Fregat](#)-MT CSO 2 (Composante Spatiale Optique-2) 20
 ?? [Soyuz-2 B/Fregat](#)-MT OneWeb smalsat (x32)

?? Ariane 62 OneWeb
 Launch site: [Kourou](#), French Guiana

?? [Vega C](#) CNES/UAE Mars mission
 ?? [Vega-C](#) Pleiades Neo 3, Pleiades Neo 4

?? [CZ-3B/G2](#) TCSTAR 1

?? CZ Venus Global Sensing Probe
 ?? CZ FY-3G Fengyun-3G (Batch 2)
 ?? ?? Sansha-1 (1)
 ?? ?? Sansha-1 (2)
 ?? [CZ-4C](#) HY-3B Haiyang-3B

?? CZ FY-4C Fengyun-4C

?? ?? Hainan-1 (5)
 ?? ?? Hainan-1 (6)
 ?? ?? Sanya-1 (1)
 ?? ?? Sanya-1 (2)

?? CZ FY-3F Fengyun-3F (Batch 2)
 ?? CZ FY-3 Fengyun-3 RM-2

?? [Safir 1 B](#) Tadbir
 ?? Safir 3A Pars sepher

205

2022.

Jan?? [Atlas 5](#) 402 CST 100 Starliner 1
 Cdr: Sunita **Williams**, Josh **Cassada**, Jeanette **Epps** , Koichi **Wakata**

Jan?? ?? Solar Sentinels
 Jan?? [PSLV](#) XL [Aditya'](#)

?? [CZ-5 B](#) Wentian Lab module Space station module
 ?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1
 ?? [Proton-M/Briz-M](#) Elektro L - 4

Mar17.CZ3 Asteroid rendezvous and touchdown Rendezvous with the asteroid Apophis on 18 March 2023, entering its orbit. After 220 days, the probe will depart and then proceed toward asteroid 2002EX11. Flyby is expected on 6 October 2025 at a 9.8 km/s speed. Third and final leg of its journey, the probe will make a rendezvous with asteroid 1996FG3 on 1 January 2027 and enter its orbit. After 180 days, the probe will eventually make landing on its surface on 30 June 2027.

Mar18.Soyuz-2-1A [Soyuz MS 21](#)
 CDR: Олег Германович **Артемьев** (Oleg Germanovich **Artemyev**),

Mar?? [Atlas 5](#) NROL-107 Silentbaker
 Mar?? [Soyuz-2](#) [Progress MS 20](#)



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Mar??	Proton-M/Briz-M	Angosat - 2
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-14 Shenzhou-14
Apr??	CZ-3B/G2	LSTSAT (Nicasat 1)
??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	CZ-5 B Mengtian Lab module	Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15
??	Ariane 62	Galileo-FOC FM25, Galileo-FOC FM26
May20.	Ariane 5ECA	JUICE (JUperiter ICy moon Explorer)
June04.	SLS Block I	Orion: Exploration Mission 2 (Crew to Cislunar) Mission)
June??	Ariane 5	MTG-I2
June??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
??	SLS-1	Artemis-2 Orion (manned trip around the Moon)
July??	Soyuz-2	Progress MS 21
??	Sunkar ??	
Aug??	H2B	Phobos sample return
Aug??	Atlas 5 411	SBIRS-GEO 6
Sep20.	Proton-M/Briz-M	ExoMars (CM+DM) An ESA exobiology rover equipped with a deep drill developed by Astrium Satellites in the United Kingdom will launch in 2020. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface. Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan
Oct??	Soyuz-2 -1A	Soyuz MS 22
Cdr: Олег Кононенко (Oleg Kononenko), Анна Кикина (Anna Kikina), Николай Чуб (Nikolai Aleksandrovich Chub)		
Oct??	Vega C Biomass	
??	Soyuz-2 -1A	Soyuz MS 23
Cdr: Прокопьев,		
Nov??	Soyuz-2	Progress MS 22
Dec15.	Falcon 9	PACE (Plankton, Aerosol, Cloud, ocean Ecosystem)
Dec??	Soyuz ST B/ Fregat -MT	MetOp-SG B1
Dec??	Vega C	FLEX (Fluorescence Explorer satellite)
Dec??	Delta IV -H	NROL-68
Dec??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)
Dec ??	Soyuz 5 / DM	??
??	Sunkar Federatsia (unmaned)	
??	Falcon 9	GPS IIIA-9/GPS IIIB-1
??	Falcon 9	GPS IIIA-10/GPS IIIB-2



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??	??	ACE (Aerosol-Cloud-Ecosystems)
??	Soyuz-2-1B/Fregat-M	Smotr R №2
??	Soyuz-2-	Razdan 2
??	Soyuz-2-1B/Fregat-M	Resurs PM - 1
??	Proton-M/Briz-M	Space Drone x2
??	Ariane 5	Moon's south pole samples return mission
??	Ariane 5	Comsat NG 2 (Syracuse 4B)
??	Vega_CSpace Rider	flight 1
??	Vega_CSpace Rider	flight 2
??	Vega C	CryoSat FO
??	CZ	HY-3C Haiyang-3C
2023.		
Jan??	Soyuz-2	Progress MS 23
??	Proton-M/Briz-M	Elektro L - 5
Apr??	Soyuz-2-1A	Soyuz MS 24
	Cdr: Oleg Artmeyer , Mukhtar Aymakhanov	
??	CZ-7	TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-16 Shenzhou-16
June??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
July??	Soyuz-2	Progress MS 24
??	Ariane 5	MTG-S2/Sentinel-4A
Oct??	Soyuz-2-1A	Soyuz MS 25
Nov??	Soyuz-2	Progress MS 25
Dec??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
??	Angara	Federatsia (unmanned flight to ISS)
??	Proton-M/Briz-M	Ekspress – AT3, AT4
??	Soyuz-2-1B/Fregat-M	Resurs PM - 3
??	Angara 1.2	Gonets x 3
??	Soyuz-2-1B	Obzor R -2
??	Soyuz-2-1B	Obzor O -1
??	Soyuz-2-1B/Fregat-M	Ellips - 1
??	Angara A5P/DM03	Dopler 1, 2
??	Soyuz-2-1B/Fregat-M	Meteor M No2-5
??	Soyuz-2-1B/Fregat-M	Arktika M 3
??	Soyuz-2-1B/Fregat-M	Resurs PM - 2



Blog Gorana Hudeca

??	Proton-M/Briz-M	Ekspress AMU 4
??	Proton-M/Briz-M	??
??	Proton-M/Briz-M	??
??	Ariane 5 VA254	MTG-S1/Sentinel-4A
Launch site: Kourou , French Guiana		
??	Vega C Space Rider 3	
??	Vega C Space Rider 4	
??	Soyuz ST B/ Fregat -MT	Sentinel-1C
??	CZ	SPORT (Solar Polar Orbit Radio Telescope)
??	CZ	FY-4D Fengyun-4D
??	CZ	Chang'e-7 (Moon south pole landing)
??	CZ-3B/G3	Palapa N1R
??	Angara A5P/DM03	Lutch 5 – 2
??	Soyuz-2 -1b	Bion-M No. 2
??	Angara A5P/DM03	Lutch 5 – 3
??	??	Ямал GK 2
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)

2024

Jan??	Soyuz-2	Progress MS 26
Feb??	Delta IV -H	NROL-70
Mar??	Soyuz-2	Progress MS 27
Apr??	Soyuz-2 -1A	Soyuz MS 26
June??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
??	CZ-7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
Sep??	GSLV MK III	Mangalyaan – 2 Mars Orbiter
Oct01.	Falcon-9	IMAP/STP-05 (Interstellar Mapping and Acceleration Probe) [STP-05 - Solar-Terrestrial Probes-05]
Oct??	Soyuz-2 -1A	Soyuz MS 27
Oct??	EELV	GOES-U
??	Proton-M	НЭМ-1
Dec??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
??	SLS-1	Artemis-3 Orion (EM-3 Crew to Gateway with landing on Moon)
??	Sunkar	Federatsia (Light 14t – 2 man to ISS)



Blog Gorana Hudeca

??	Soyuz-2-1B/Fregat-M	Resurs PM - 4	
??	Angara 1.2		Gonets x 2, Gonets M
??	Soyuz-2-1B/Fregat-M	Arktika M 4	
??	??	Ямал GK VEO 1	
??	Soyuz-2-1A	Obzor P -1	
??	Soyuz-2-1B/Fregat-M	Razdan - 3	
??	Soyuz-2-1B/Fregat-M	Meteor M No2-6	
??	Proton-M/Briz-M	Ямал-501	
??	Proton-M/Briz-M	Luch-5VM 2	
??	Proton-M/Briz-M	??	
??	Proton-M/Briz-M	??	
??	??	DYNAMIC/STP-06	
??	CZ	Asteroid (Ceres) Sample Return Mission	
??	CZ-5	Chang'e-6 Moon polar area sample return	
??	CZ	Xuntian (Two Meter Space Telescope)	
??	GSLV MK III	Shukrayaan (Venus orbiter)	
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)	
2025			
June??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)	
??	SLS-1B Artemis-4	Orion (EM-4 Crew to Gateway with landing on Moon)	
Aug??	Soyuz-2 1b	Luna 27 (Luna-Resurs PA)	Testing an adaptive landing mode with a radio-beacon; delivering a rover
Dec??	Atlas 5 402 / Falcon 9	USCV-11 (US Commercial Vehicles)	
??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)	
??	Soyuz-2-1A	Soyuz MS 28	
??	SLS Block I	Europa Clipper	
??	Soyuz-2 1b	Luna28 (Luna-Grunt-1)	delivering a new-generation rover for gathering, analysis and uploading of samples
??	Soyuz-2-1B/Fregat-M	Resonans 2A, 2B, MKA-PN5	
??	??	Ямал GK VEO 2	
??	??	Ямал GK VEO 3	
??	Angara 1.2	Gonets x 3	
??	Soyuz-2-1B/Fregat-M	Arktika M 5	
??	Soyuz-2-1B	Obzor O -2	
??	Soyuz-2-1B	Bion-M No. 3	
??	Proton-M/Briz-M	Ямал-502	
??	Proton-M/Briz-M	Anik G2V	

2026.



Blog Gorana Hudeca

- June?? [Atlas 5](#) 402 / [Falcon 9](#) USCX-12 (US Commercial Vehicles)
- Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCX-13 (US Commercial Vehicles)
- ??June?? [Angara](#) A5P/KVTK A mission to Venus (*Venera D*) would be launched
- ?? SLS-1B Artemis-5 Orion (EM-5 Crew to Gateway with landing on Moon)
- ?? SLS-1B Artemis-6 Orion (EM-6 Crew to Gateway with landing on Moon)
- ?? CZ Jupiter Orbiter
- ?? CZ Mars Sample Return
- ?? CZ Chang'e-8 (Moon north pole landing)
- ?? [Angara](#) A5/DM03 Bumerang (FobosGrunt 2)
- ?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.

2027.

- June?? [Atlas 5](#) 402 / [Falcon 9](#) USCX-14 (US Commercial Vehicles)

2069.

- ?? ?? [Interstellar mission](#)