



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (4.11.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change on **04.Nov 2019**.

Nov04. 0925UTC	KZ-1A (Y7)	KL-Alpha
Launch site: Jiuquan , China		
Nov07.	CZ-3A	Beidou 3 IGSO-3
Launch site: Xichang , China		
Nov11.	1500UTC Falcon 9	Starlink v1 Flight 2
Launch site: Cape Canaveral , USA		
Nov20.	PSLV C47	CARTOSAT-3, NEMO-AM , FUSE
Launch site: Satish Dhawan Space Centre , Sriharikota, India		
Nov22.	Ariane 5	Inmarsat-5 F5 (GX-5), TIBA 1
Launch site: Kourou , French Guiana		
Nov24. 0100UTC	CZ-3B/YZ-1	Beidou 3 MEO M19, Beidou 3 MEO M20
Launch site: Xichang , China		
Nov??	Kuaizhou-1A KZ-1A (Y11)	Jilin 1 Gaofen-02A
Launch site: Jiuquan , China		
Nov??	Soyuz-2-1A/Fregat 14F01 (Neutron)	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia 40		
??	Electron	ATL-1, Discovery, FossaSat-1, NOOR-1A, NOOR-1B, SMOG-P, TRSi Sat
Dec02.	Soyuz-2-1B/Fregat-M	Glionass M 59
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia		
Dec04. 1748UTC	Falcon 9 FT	Dragon SpX-19
Launch site: Cape Canaveral , USA		
Dec06.	Soyuz-2-1A	Progress MS 13
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan		
Dec16. 0010UTC	Falcon 9	JCsat 18
Launch site: Cape Canaveral , USA		
Dec17. 0321UTC	CZ-4B	CBERS-4° A
Launch site: Taiyuan , China		
Dec17. 0854UTC	Soyuz ST B/Fregat-MT	Cosmo-SkyMed Secon Gen 1CSG-1 / CHEOPS
(Characterising ExOPlanet Satellite)		
Dec17. 1245UTC	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)
Launch site: Cape Canaveral , USA		



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- Dec19.** [Soyuz-2-/Fregat-MT](#) **OneWeb smalsat (x34)**
Launch site: [Kourou](#), French Guiana
- Dec20.** [CZ-5 Y3](#) **SJ-20 (DFH-5 platform)**
Launch site: [Wenchang](#), China
- Dec24.** [Proton-M/Briz-M](#) **Elektro L – 3**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Dec25.** [Rokot / Briz KM](#) **Gonets x 3 (No 24,25,26), Blits-M**
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia
- Dec?? Cosmic Girl / LauncherOne Test Launch
Launch site: [Spaceport America](#), USA
- Dec?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13
Dec?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M21, [Beidou 3](#) MEO M22
Dec?? [Soyuz-2-1B](#) Pion
Dec?? [CZ-2D](#) CAS 6
Dec?? [GSLV](#) MK II F12 GISAT -1
Dec?? [CZ-2D](#) ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite)
- ?? [Astra Space](#) NSLSat-1
Launch site: Kodiak, USA 20
- ?? [Falcon 9](#) Starlink v1 Flight 3
Launch site: [Cape Canaveral](#), USA
- ?? [Soyuz-2-](#) Razdan 1
- ?? [Proton-M/Briz-M](#) Kosmos
- ?? [Soyuz-2](#) 1A Energiya-100
- ?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra 4
- ?? [Soyuz-2-1B/Fregat](#) M Meridian 19L
- ?? CZ FY-4B Fengyun-4B
- ?? [CZ-2C](#) HY-1D Haiyang-1D
?? [CZ-4B](#) HY-2C Haiyang-2C
?? CZ-6A HY-2D Haiyang-3A
- ?? CZ CBERS-SAR 1
- ?? CZ-?? [CAS-4A, CAS-4B](#)
Launch site: [Taiyuan](#), China
- ?? [KZ-1A](#) Jilin 1-11
?? [KZ-1A](#) Jilin 1-12
?? Kuaizhou-1A ([KZ-1A](#)) Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)
- ?? [CZ-11](#) Fengtai Shaonian-02



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?? [CZ-3B/E](#) Apstar-6D
Launch site: [Xichang](#), China

?? [H-IIA](#) IGS Optical-7
?? [H-IIA](#) JDRS-1

10 + 5
72 + 47

2020.

Jan15. [Ariane 5 ECA](#) **Eutelsat BB4A (African Broadband Satellite); GSAT 30**

Jan?? [Falcon 9](#) GPS IIIA-3
Jan?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)

?? [Vega](#) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)
Launch site: [Kourou](#), French Guiana

?? [PSLV](#) C48 - XL RISAT-2BR1
?? [PSLV](#) C49 RISAT_1A
?? [PSLV](#) IRNSS-1J
?? [PSLV](#) RISAT-2BR2
?? [GSLV](#) GISAT -2
?? [PSLV](#) HRSAT
?? [SSLV](#) D1 Two defence sats

Feb06. [Atlas 5](#) [Solar Orbiter \(SolO\) \(ESA\)](#)

Feb07. [Antares 230](#) [Cygnus OA-13](#)

Feb15. **Minotaur IV** **NROL 129**

Feb?? [CZ-3B/YZ-1](#) [Beidou 3](#) 2GQ
Feb?? [GSLV](#) GSAT - 32
Feb?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)
Feb?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C

?? [Soyuz-2](#) 1A [Bars-M](#) 3
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia 140

?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)
?? [Ariane 5](#) ECA Eutelsat Quantum
?? [SSLV](#) D2 Demo 2
?? [Proton-M/Briz-M](#) Ekspress 80, Ekspress 103
?? [Soyuz-2-1B/ Fregat](#)-M Glonass M 59
?? [Vega](#) Falcon Eye 2
?? [Angara](#) A5/ Briz M Kosmos
?? CZ-4C FY-3E Fengyun-3E
?? [Ariane 5](#) JCSat 17
?? [Falcon 9](#) Anasis II
?? [Falcon 9](#) SiriusXM SX7
?? [Electron](#) ElaNa; Andesite

Mar01. [Falcon 9](#) [Dragon SpX-20](#)



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Mar??	Falcon 9 (SPx-DM2)	Dragon v2	
CDR: Robert Benkhen , Doug Hurley			
Mar??	Delta IV-	DMSP-5D3 F20	
Mar??	Soyuz-2-1B/Fregat-M	Glonass K1 / 22	
Mar??	Atlas 5 551 (AV-086)	AEHF-6	
??	Safir 1 B	Nahid-1	
Launch site: Semnan , Iran			
??	Ariane 5	Galaxy 30 / MEV-2	
??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B	
??	Soyuz-2-1B/Fregat-M	Glonass M 60	120
?? - inaugural flight - Vega-C - Kourou ZLV			
??	Vega	OpSis	
??	Proton-M/Briz-M	Inmarsat-6 F2	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
Apr16.	Soyuz-2	Progress MS 14	
Apr17.	Soyuz 2-1A	Soyuz MS 16 (S63/64)	
CDR: Николай Владимирович Тихонов (Nikolai Tikhonov), Андрей Николаевич Бабкин (Andrei Babkin), Christopher John Cassidy			
Apr??	CZ-3B/YZ-1	Beidou 3 MEO M23, Beidou 3 MEO M24	
Apr??	CZ-5 B	Test flight	
??	Vega CCERES (x3)		
??	Vega	SSMS – 2 (Small Spacecraft Mission Service)	
May??	Falcon 9	Dragon v2 (USCV-1)	
Cdr: Victor Glover , Mike Hopkins , Soichi Noguchi			
May??	Ariane 62	CSO-2	
May??	H-2B (F10)	HTV9	
May??	Falcon 9	GPS IIIA-4	
??	Atlas 5 422 (AV082)	CST-100 Starliner	
CDR: Michael Fincke , Chris Ferguson , Nicole Aunapu Mann			
June??	Ariane 5	MTG-S1/Sentinel-4A	
June??	CZ-3C	Beidou 3 G3Q	
June??	Vega_C	Space Rider flight 1	
June??	Atlas 5 551	AFSPC-8 (GSSAP 5, GSSAP 6)	100
June??	Delta IV-H	NROL-44	
June??	Ariane 5 ECA	GSAT-20	
??	Vega	Seosat (Ingenio)	
??	CZ-2C	Yaogan Weixing – 30 Group 6	
July16	Ariane 62	OneWeb	
July17. 1300UTC	Atlas 5 (541)	Mars 2020 rover	
July23.	CZ-5 Y4	Mars probe (orbiter + lander + rover)	



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July25. [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.

July?? [Soyuz-2-1B/Fregat-M](#) Glonass K2 / 14
 July?? [Soyuz-2-1B / Fregat](#) Arktika-M
 July?? CZ-6A Satellogic (1-13)

?? Vega-C Pleiades Neo 1, Pleiades Neo 2
 ?? [Ariane 5](#) ViaSat 3 EMEA

Aug05. [Falcon 9 FT](#) [Dragon SpX-21](#)

Aug20. [Soyuz-2](#) [Progress MS 15](#)

Aug?? [Atlas 5](#) 551 NROL-111
 Sep?? CZ CBERS-6
 Sep?? [Soyuz-2-1B/Fregat-M](#) Glonass K2 / 15
 Sep?? [Falcon 9](#) GPS IIIA-5
 Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1 **80**
 Sep?? [Soyuz-2](#) [Progress MS 16](#)
 Sep?? ?? GOES-T (National Security Space Launch program)
 Sep?? [Delta IV-H](#) NROL-82

Oct14. [Soyuz 2-1A](#) [Soyuz MS 17 \(S63/64\)](#)

CDR: Анато́лий Алексе́евич **Ивани́шин (Ivanishin)**, Иван Викторович **Вагнер (Vagner)**, Stephen **Bowen**

Oct?? Vega Proba 3
 Oct?? [Soyuz-2](#) 1B / [Fregat-M](#) [Gonets](#) x 3 (No 27,28,29)
 Oct?? CZ-5B Y1 New generation manned spacecraft
 ?? [Falcon 9](#) SARah 1
 ?? [Angara](#) A5/ DM 03(Persei) Kosmos

Nov06. [Proton-M](#) **MLM**

Nov?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2)
 Cdr: John **Cassada**, Sunita **Williams**,

Nov?? [Soyuz-2](#) [Progress MS 15](#)
 Nov?? [Soyuz-2](#) 1B / [Fregat-M](#) Resurs N°4

Dec04. [CZ-5](#) Y5 **Chang'e-5 (Sample return)**

Dec15. [Atlas 5](#) **Landsat 9**

Dec?? 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).

Dec?? [Soyuz-2](#) [Progress MS 17](#)
 ?? ?? PACE
 ?? ?? EX-4



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??	??	ACE	60
??	??	HyspIRI	
??	Antares	IMAP/STP-05	
??	Falcon 9 FT	Dragon SpX-22	
??	Falcon H	ViaSat 3	
??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)	
??	Atlas 5 551	STP-03	
??	Minotaur 1	NROL 111	
??	Atlas 5 551	AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Soyuz-2 1B	Progress M-UM	
??	Soyuz-2-1B/Fregat-M	Meteor M No2-3	
??	Angara 1.2	Kompsat-6	
??	Soyuz-2-1A/Fregat-M	Gonets x 6	
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M/Briz-M	Space Drone x2	
??	Proton-M/Briz-M	Luch-5VM 1	
??	Proton-M/Briz-M	Luch-5VM 2	
??	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	
??	Soyuz-2-1B	Persona	40
??	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	
??	Angara 1.2	Kosmos	
??	Angara-1.2/AM Gonets x 3 (No 30,31,32)		
??	Zenit 3 SL / Fregat -SB	Lybid'	
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan			
??	Ariane 5	Arsat 3	
??	Ariane 5	ViaSat-3 Asia	
??	Ariane 5 ECA	EDRS-D	
??	Ariane 5 ECA	Star One D2	
??	??	Seosat-Ingenio-2	
??	Vega C Cosmo-SkyMed Secon Gen 2	CSG-2	



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??	CZ	Two Meter Space Telescope	
??	CZ	FY-4C Fengyun-4C	
??	CZ	HY-3B Haiyang-3B	
??	CZ-3B/	Palapa 1N	20
??	CZ-11	CAS 5, 5B	
??	??	Hainan-1 (4)	
??	??	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	
??	CZ-2D	SJ-19 Shijan-19	
??	KZ-11	Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)	
??	GSLV MK II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	PSLV	ScatSat, NovaSAR	
??	PSLV	EnMap	
??	PSLV XL	Aditya'	
??	H-IIA	Hope (UAE mission to Mars)	
??	H-IIA	Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)	
??	H-IIA	Inmarsat-6 F1	
??	Safir 1 B	Tadbir	
??	Safir 3A	Pars sepher	

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2021.

Feb??	Soyuz-2	Progress MS 18
Feb??	Falcon 9	GPS IIIA-6
Feb??	Falcon H	AFSPC-44

Mar30. [Soyuz-2-1A](#) [Soyuz MS 18](#)
 Cdr: Сергей Николаевич **Рыжиков**, Сергей Влади́мирович **Кудь-Сверчко́в**

Mar31. [Ariane 5](#) ES **JWST (James Webb Space Telescope)**

Mar??	Atlas 5 411	SBIRS-GEO 5
Apr??	Ariane 62	Galileo-FOC FM23, Galileo-FOC FM24
Apr??	Falcon 9	IXPE (Imaging X-ray Polarimetry Explorer)



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May?? [Falcon 9](#) [Dragon v2](#) USCV-3 (US Commercial Vehicles)
 CDR: **Lindgren**, ??(NASA), ??(RF)

?? [CZ-5B](#) Y2 Tian He Space Station Core Module
 ?? CZ-2F/G SZ-13 Shenzhou-13
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M CAS500-1

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?? [Falcon 9](#) DART (Double Asteroid Redirection Test)

?? SLS-1 Artemis-1 Orion (unmanned trip around the Moon) Exploration Mission 1
 (Distant Retrograde Orbit (DRO) Tactical DRM)

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)
 ?? CZ-2F/G SZ-12 Shenzhou-12

?? [Soyuz-2](#) [Progress MS](#) 19
 ?? Ariane 62 Galileo-FOC FM25, Galileo-FOC FM26

July?? Vulcan/Minotaur 6/[Falcon 9](#) v1.1 JPSS-2
 July?? [Vega](#) C Biomass
 July?? [Soyuz-2](#) 1a / [Fregat](#) Luna 25 (Luna-Glob-1)
 July?? GSLV-Mk III. Gaganyaan-2

?? [Soyuz ST](#) B/[Fregat](#)-MT EarthCare

Sep30. [Soyuz-2-1A](#) [Soyuz MS 18](#)
 CDR: Олѐг Вікторович **Новіцкий**, Пѐтр Валерьевич **Дубров**

Sep?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EPS-SG-a/Sentinel-5A
 Sep?? [Falcon 9](#) SWOT
 Sep?? [Falcon 9](#) OHB SARah 2/3

?? [Delta IV](#)-H NROL-91

Oct16. [Atlas 5 401](#) **Lucy**

Oct?? [Atlas 5](#) 401/[Falcon 9](#) v1.1 JPSS Free Flyer 2 (TSIS-2)
 Oct?? Ariane 62 CSO-3

Nov?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

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

?? [Falcon 9](#) GPS IIIA-7



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??	Falcon 9	GPS IIIA-8
??	Soyuz-2	Progress MS 20
??	Soyuz-2-1B/Fregat-M	Transformable Modul TM
??	Proton-M	НЭМ-1
??	Proton-M/Briz-M	Ekspress AMU 3 / Ekspress AMU 7
??	Proton-M/Briz-M	Yenisey A1
??	Proton-M/Briz-M	Ямал-501
??	Proton-M/Briz-M	EutelSat
??	Proton-M/Briz-M	Ямал-GK-1
??	Proton-M	РТК NP
??	Soyuz-2-1B/Fregat-M	Meteor M No2-4
??	Angara 1.2	Gonets x 3
??	Proton-M/Briz-M	Ekspress-RV1, Ekspress-RV2
??	Proton-M/Briz-M	Ekspress AMU 4
??	Soyuz-2-1B/Fregat-M	Smotr R №1
??	Proton-M/Briz-M	IntelSat
??	Proton-M/Briz-M	Elektro L - 4
??	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 / 16
??	Soyuz-2 1B /Fregat-M	Glonass K1 / 17
??	Ariane 5	Heinrich Hertz
??	Ariane 5	SES-17
??	Ariane 5	Comsat NG 1 (Syracuse 4A)
??	Soyuz ST B/Fregat-MT	CSO 2 (Composante Spatiale Optique-2)
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
??	Vega C	Space Rider 2
??	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)

2022.

Jan??	??	Solar Sentinels
??	Soyuz-2	Progress MS 21
??	CZ-5 B	Wentian Lab module Space station module



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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.

Mar30. [Soyuz-2-1A](#) [Soyuz MS 19](#)

Mar?? [Atlas 5](#) NROL-107 Silentbaker

?? 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

May20. [Ariane 5ECA](#) **JUICE (JU)piter (ICy moon Explorer)**

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-5 (US Commercial Vehicles)

June04. **SLS Block I Orion: Exploration Mission 2 (Crew to Cislunar) Mission)**

June?? Ariane 5 MTG-I2

?? Sunkar ??
 ?? [Soyuz-2](#) [Progress MS 20](#)

Aug?? H2B Phobos sample return
 Aug?? [Atlas 5](#) 411 SBIRS-GEO 6

Sep30. [Soyuz-2-1A](#) [Soyuz MS 20](#)

Oct?? [Vega C](#) Biomass

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-6 (US Commercial Vehicles)

Dec?? [Soyuz ST B/Fregat](#)-MT MetOp-SG B1
 Dec?? [Vega C](#) FLEX (Fluorescence Explorer satellite)
 Dec?? [Delta IV](#)-H NROL-68

?? Sunkar Federatsia (unmaned)

?? [Soyuz-2](#) [Progress MS 21](#)

?? [Falcon 9](#) GPS IIIA-9/GPS IIIB-1
 ?? [Falcon 9](#) GPS IIIA-10/GPS IIIB-2

?? [Proton-M/Briz-M](#) Ekspress – AMU 5
 ?? [Proton-M/Briz-M](#) Ekspress – AMU 6
 ?? [Proton-M/Briz-M](#) Ekspress – RV 3, Ekspress – RV 4
 ?? [Angara 1.2](#) [Gonets](#) x 3
 ?? [Proton-M/Briz-M](#) Eutelsat



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?? [Proton-M/Briz-M](#) Intelsat
 ?? [Soyuz-2-1B/Fregat-M](#) Smotr R №2
 ?? [Soyuz-2-](#) Razdan 2
 ?? [Proton-M/Briz-M](#) Elektro L - 5
 ?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 1

?? [Ariane 5](#) Moon's south pole samples return mission
 ?? [Ariane 5](#) Comsat NG 2 (Syracuse 4B)

?? [Vega](#) C Space Rider 3
 ?? [Vega](#) C CryoSat FO

?? CZ HY-3C Haiyang-3C

2023.

?? [Soyuz-2](#) [Progress MS 22](#)

Mar30. [Soyuz-2-1A](#) [Soyuz MS 21](#)

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (US Commercial Vehicles)

?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
 ?? CZ-2F/G SZ-16 Shenzhou-16

?? [Soyuz-2](#) [Progress MS 23](#)
 ?? [Ariane 5](#) MTG-S2/Sentinel-4A

Sep30. [Soyuz-2-1A](#) [Soyuz MS 22](#)

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-8 (US Commercial Vehicles)

?? [Soyuz-2](#) [Progress MS 24](#)

?? SLS Block IA II Orion: Exploration Mission 3 (Crew to Cislunar)

?? Sunkar Federatsia (unmanned flight to ISS)

?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.

?? [Proton-M/Briz-M](#) Ekspres – 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

?? [Vega](#) C Space Rider 4
 ?? [Soyuz ST](#) B/[Fregat](#)-MT Sentinel-1C



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?? CZ SPORT (Solar Polar Orbit Radio Telescope)
 ?? CZ FY-4D Fengyun-4D
 ?? CZ Chang'e-7 (Moon south pole landing)

?? [GSLV](#) MK III Shukrayaan (Venus orbiter)

?? [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?? [Delta IV](#)-H NROL-70

Mar30. [Soyuz-2-1A](#) [Soyuz MS 23](#)

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-9 (US Commercial Vehicles)

?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)

Sep30. [Soyuz-2-1A](#) [Soyuz MS 24](#)

Sep?? [GSLV](#) MK III Mangalyaan – 2 Mars Orbiter

Oct?? EELV GOES-U

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-10 (US Commercial Vehicles)

?? SLS Block IA II Orion: Exploration Mission 4 (Crew to Cislunar)

?? Sunkar Federatsia (Light 14t – 2 man to ISS)

?? [Soyuz-2](#) [Progress MS](#) 25
 ?? [Soyuz-2](#) [Progress MS](#) 26
 ?? [Soyuz-2](#) [Progress MS](#) 27

?? [Soyuz-2](#) 1b Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover

?? [Proton-M](#) / DM-03 Spektr - UF
 ?? [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

?? ?? DYNAMIC/STP-06

?? CZ Asteroid (Ceres) Sample Return Mission
 ?? [CZ-5](#) Chang'e-6 Moon polar area sample return



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?? Lapan Pengorbitan-1 (RPS-01) (Indonesia)

2025

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-11 (US Commercial Vehicles)

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-12 (US Commercial Vehicles)

?? SLS Block IA II Orion: Exploration Mission 5 (Crew to Cislunar)

?? [Soyuz-2-1A](#) [Soyuz MS](#) 25

?? 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

2026.

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-13 (US Commercial Vehicles)

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

June?? [Angara](#) A5P/KVTK A mission to Venus (*Venera D*) would be launched

?? CZ Jupiter Orbiter

?? CZ Mars Sample Return

?? CZ Chang'e-8 (Moon north pole landing)

?? [Angara](#) A5/DM03 Bumerang (FobosGrunt 2)

2069.

?? ?? [Interstellar mission](#)