



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (7.10.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change on **07.Oct 2019**.

Oct09. 1017UTC [Proton-M/Briz-M](#) **EutelSat 5 West B / MEV**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Oct10. 0125UTC **Pegasus-XL** **ICON ([Helio EX-1](#))**
Launch site: [Cape Canaveral](#), USA

Oct12. **[CZ-3B/G2](#)** **TJSW-4**
Launch site: [Xichang](#), China

Oct14. 2300UTC [Electron](#) **ATL-1; FossaSat_1, itd**
Launch site: [Kaitorete Spit](#), New Zeland

Oct15. [PSLV](#) C47 **CARTOSAT-3, NEMO-AM** **, FUSE**
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India **60**

Oct17. [Falcon 9](#) **Starlink v1 Flight 1**
Launch site: [Cape Canaveral](#), USA

Oct?? [Soyuz-2-1A/Fregat](#) 14F01 (Neutron)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Oct?? [Astra Space](#) NSLSat-1
Launch site: Kodiak, USA

Oct?? [KZ-1A](#) (Y11) ??
Launch site: [Jiuquan](#), China

Oct?? [KZ-1A](#) (Y9?) Xingyun-2 1,2
Oct?? [CZ-3A](#) [Beidou 3](#) I3Q
Oct?? [CZ-2C](#) Yaogan Weixing – 30 Group 6

?? [Soyuz-2-1V](#) ??Rodnik S

Nov04. [Falcon 9](#) **Starlink v1 Flight 2**

Nov11. [Falcon 9](#) **JCsat 18**

Nov16. [Soyuz-2-1B/Fregat-M](#) **Glonass M 59**

Nov19. [Electron](#) **ElaNa; Andesite**

Nov22. [Ariane 5](#) **Inmarsat-5 F5** **(GX-5)**
Launch site: [Kourou](#), French Guiana

Nov29. [Rokot / Briz KM](#) [Gonets](#) x 3 (No 24,25,26), **Blits-M**
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia



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Nov??	CZ-2D	ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite)	
Nov??	Falcon 9	Anasis II	
Nov??	CZ-4B	CBERS-4° A	
Nov??	CZ-4B	GF-7 Gaofen-7	
Nov??	Antares 230	Cygnus OA-12	
??	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	
Launch site:	Cape Canaveral , USA		40
??	Kuaizhou-1A (KZ-1A)	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)	
??	Falcon 9	SiriusXM SX7	
??	Minotaur IV	NROL 129	
??	Electron	Dove / Flock-y	
Dec01.	Soyuz-2	Progress MS 13	
Dec04.	Falcon 9 FT	Dragon SpX-19	
Dec17.	Soyuz ST B / Fregat -MT	Cosmo-SkyMed Secon Gen 1	CSG-1 / CHEOPS
(Characterising ExOPlanet Satellite)			
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		
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??	SSLV D1	Two defence sats	
Dec??	CZ-2D	CAS 6	
Dec??	GSLV MK II F12	GISAT -1	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	20
??	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	



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?? [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-11 Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)

?? [KZ-1A](#) Jilin 1-10
 ?? [KZ-1A](#) Jilin 1-11
 ?? [KZ-1A](#) Jilin 1-12

?? [CZ-11](#) Fengtai Shaonian-02

?? [CZ-3B/E](#) Apstar-6D

Launch site: [Xichang](#), China

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

10 + 7
 66 + 64

2020.

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

Jan?? [Falcon 9](#) [Dragon](#) SpX-20
 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](#) RISAT_1A
 ?? [PSLV](#) IRNSS-1J
 ?? [PSLV](#) RISAT-2BR2
 ?? [GSLV](#) GISAT -2
 ?? [PSLV](#) HRSAT

Feb05. [Atlas 5](#) [Solar Orbiter \(Solo\)](#) (ESA)

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

Feb?? [CZ-3B/YZ-1](#) [Beidou 3](#) 2GQ 140
 Feb?? [GSLV](#) GSAT - 32
 Feb?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 Feb?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C



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

?? [Atlas 5 422 \(AV082\)](#) CST-100 Starliner
CDR: Michael **Fincke**, Chris **Ferguson**, Nicole Aunapu **Mann**

?? [Falcon 9 \(SPx-DM2\)](#) [Dragon v2](#)
CDR: Robert **Benkhen**, Doug **Hurley**

?? [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

Mar20.Soyuz 2-1A [Soyuz MS 16 \(S62/63\)](#)
CDR: Николай Владимирович **Тихонов (Nikolai Tikhonov)**, Андрей Николаевич **Бабкин (Andrei Babkin)**, Hoshide

Mar?? [Delta IV-](#) DMSP-5D3 F20
Mar?? [Soyuz-2-1B/Fregat-M](#) Glonass K1 / 22
Mar?? [Atlas 5 551](#) AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite)) **120**
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
?? - inaugural flight - Vega-C - Kourou ZLV
?? [Vega](#) OpSis
?? [Proton-M/Briz-M](#) Inmarsat-6 F2

Apr16. [Soyuz-2](#) [Progress MS 14](#)

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

June?? [Ariane 5](#) MTG-S1/Sentinel-4A
June?? [CZ-3C](#) [Beidou 3](#) G3Q **100**



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June??	Vega_C	Space Rider flight 1	
June??	Atlas 5 551	AFSPC-8 (GSSAP 5, GSSAP 6)	
June??	Delta IV -H	NROL-44	
June??	Ariane 5 ECA	GSAT-20	
??	Vega	Seosat (Ingenio)	
July15.	Soyuz-2	Progress MS 15	
July16	Ariane 62	OneWeb	
July17. 1300UTC	Atlas 5 (541)	Mars 2020 rover	
July23.	CZ-5 Y4	Mars probe (orbiter + lander + rover)	
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	Satellologic (1-13)	
??	Vega-C Pleiades Neo 1, Pleiades Neo 2		
??	Ariane 5	ViaSat 3 EMEA	
Aug??	Falcon 9 FT	Dragon SpX-21	
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	80
Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1	
Sep??	Soyuz-2	Progress MS 16	
Sep??	??	GOES-T (National Security Space Launch program)	
Sep??	Delta IV -H	NROL-82	
Oct21.	Soyuz 2-1A	Soyuz MS 17 (S63/64)	
	CDR: Иванишин (Ivanishin), Вагнер (Vagner), Christopher J. Cassidy		
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 №4	



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

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 60
 ?? ?? EX-4
 ?? ?? ACE
 ?? ?? HypsIRI
 ?? 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

?? [Soyuz-2](#) 1B Progress M-UM

?? [Soyuz-2](#) 1B / [Fregat](#)-M Glonass K1 / 16
 ?? [Soyuz-2](#) 1B / [Fregat](#)-M Glonass K1 / 17

?? [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. 40

?? [Soyuz-2](#)-1B Lotos S1
 ?? [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

?? [Angara](#) 1.2 Kosmos



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- ?? 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
- ?? CZ Two Meter Space Telescope
?? CZ FY-4C Fengyun-4C
?? CZ HY-3B Haiyang-3B 20
?? [CZ-3B/](#) Palapa 1N
- ?? [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
- ?? [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



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Feb??	Falcon H	AFSPC-44
Mar30.	Soyuz-2-1A	Soyuz MS 18
	Cdr: Рыжиков, Кудь-Сверчков	
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)
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)
??	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
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



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??	Ariane 5	MTG-I1
??	Atlas 5 552	Dream Chaser Cargo System SNC-2
??	Falcon 9	GPS IIIA-7
??	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
??	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



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

?? [CZ-5 B](#) Wentian Lab module Space station module

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 (IC)y 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](#)

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



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?? [Proton-M/Briz-M](#) Eutelsat
 ?? [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



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?? [CZ-5](#) Chang'e-6 Moon polar area sample return

?? 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](#)