



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (1.12.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change on **01.Dec. 2019**.

Dec02. 0756UTC [Electron](#) **ATL-1, Discovery, FossaSat-1, NOOR-1A, NOOR-1B, SMOG-P, TRSi Sat**

Launch site: [Kaitorete Spit](#), New Zeland

Dec04. 1751UTC [Falcon 9 FT](#) [Dragon](#) SpX-19

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

Dec06. 0934UTC [Soyuz-2-1A](#) [Progress MS 13](#)

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

Dec10. [Soyuz-2-1B/Fregat-M](#) **Glonass M 59**

Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Dec11. 0930UTC [PSLV](#) C48 - XL **RISAT-2BR1 + iQPS + 4 Spieresats**

Dec16. 0010UTC [Falcon 9](#) **JCsat 18**

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

Dec17. 0854UTC [Soyuz ST A/Fregat-M](#) (VS23) **Cosmo-SkyMed Secon Gen 1CSG-1 / CHEOPS**
(Characterising ExOPlanet Satellite)

Launch site: [Kourou](#), French Guiana

Dec17. 1245UTC [Atlas 5 N22 \(AV80\)](#) **CST-100 Starliner (unmanned test)**

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

Dec17. [CZ-3B/YZ-1](#) **Beidou 3 MEO M21, Beidou 3 MEO M22**

Launch site: [Xichang](#), China

Dec20. 0321UTC [CZ-4B](#) **CBERS-4° A**

Launch site: [Taiyuan](#), China

Dec24. [Proton-M/Briz-M](#) **Elektro L – 3**

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 20

Dec25. [Rokot / Briz KM](#) **Gonets x 3 (No 24,25,26), Blits-M**

Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Dec27. [CZ-5 Y3](#) **SJ-20 (DFH-5 platform)**

Launch site: [Wenchang](#), China

Dec?? Cosmic Girl / LauncherOne Test Launch

Launch site: [Spaceport America](#), USA

Dec?? [Soyuz-2-1A/Fregat](#) 14F01 (Neutron)

Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

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



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Dec??	CZ-2D	CAS 6
Dec??	CZ-2D	ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite)
Dec??	CZ-4B	Jilin-1 Gaofen-02B
Dec??	Kuaizhou-1A	(KZ-1A) (Y6) Xingyun – 2 01 & 02
Dec??	Soyuz-2-	Razdan 1
Dec??	Soyuz-2-1B/Fregat M	Meridian 19L

?? [Falcon 9](#) Starlink v1 Flight 2
 Launch site: [Cape Canaveral](#), USA

?? CZ FY-4B Fengyun-4B

?? [CZ-2C](#) HY-1D Haiyang-1D

?? [CZ-4B](#) HY-2C Haiyang-2C

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

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

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

11 + 3
 82 + 27

2020.

Jan15. [Ariane 5 ECA](#) [Eutelsat Konnect](#); [GSAT 30](#)

Launch site: [Kourou](#), French Guiana

Jan??	Falcon 9	GPS IIIA-3
Jan??	H-IIA	IGS Optical-7
Jan??	SSLV D1	Two defence sats

??	PSLV C49	RISAT_1A
??	PSLV	IRNSS-1J
??	PSLV	RISAT-2BR2
??	GSLV	GISAT -2
??	PSLV	HRSAT
??	CZ	CBERS-SAR 1

?? CZ-?? [CAS-4A, CAS-4B](#)

Launch site: [Taiyuan](#), China

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

Launch site: [Xichang](#), China

Feb06. 0415UTC [Atlas 5](#) [Solar Orbiter \(SOLO\)](#) (ESA)

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

Feb15. [Minotaur IV](#) [NROL 129](#)

Feb20. [Soyuz-2 B \(VS24\)](#) [Falcon Eye 2](#) **160**

Feb?? [Soyuz-2-/Fregat](#)-MT OneWeb smalsat (x34)

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



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Feb?? [CZ-3B/YZ-1](#) [Beidou 3 2GQ](#)
 Feb?? [GSLV](#) [GSAT - 32](#)
 Feb?? [Falcon 9](#) [SAOCOM-1B, SAOCOM-1C](#)

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

?? [Soyuz ST B/Fregat-MT](#) OneWeb smalsat (x32)
 Launch site: [Kourou](#), French Guiana

??	Ariane 5 ECA	Eutelsat Quantum
??	SSLV D2	Demo 2
??	Proton-M/Briz-M	Ekspress 80, Ekspress 103
??	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
??	Soyuz-2-1B/Fregat	Glonass K2 / 13
??	GSLV MK II F12	GISAT -1
??	H-IIA	JDRS-1

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

Mar?? [Falcon 9](#) (SPx-DM2) [Dragon v2](#)
 CDR: Robert **Benkhen**, Doug **Hurley** 140

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

Mar??	Delta IV-	DMSP-5D3 F20
Mar??	Soyuz-2-1B/Fregat-M	Glonass K1 / 22
Mar??	Atlas 5 551 (AV-086)	AEHF-6
Mar??	Soyuz-2 B/Fregat-MT	(VS25) OneWeb smalsat (x34)

?? [Safir 1 B](#) Nahid-1
 Launch site: [Semnan](#), Iran

?? [Falcon 9](#) Starlink v1 Flight 3
 Launch site: [Cape Canaveral](#), USA

??	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
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)
??	??	EX-3
??	Proton-M/Briz-M	Kosmos
??	Soyuz-2 1A	Energiya-100
??	Soyuz-2 1B / Fregat-M	Tundra 4

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



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- Apr17. Soyuz 2-1A Soyuz MS 16 (S63/64)**
 CDR: Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**), Christopher John **Cassidy** 120
 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)
 ?? [Soyuz-2 B/Fregat](#)-MT OneWeb smalsat (x32)
- May?? [Falcon 9](#) [Dragon v2](#) (USCV-1)
 Cdr: Victor **Glover**, Mike **Hopkins**, Soichi **Noguchi**
- May?? [Astra Space](#) NSLSat-1
 Launch site: Kodiak, USA
- May?? [Soyuz-2](#) ST (VS25) CSO-2
 May?? [H-2B](#) (F10) [HTV9](#)
 May?? [Falcon 9](#) GPS IIIA-4
 May?? ??CZ-8 Taihu -1
- June?? [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)
 June?? [Delta IV](#)-H NROL-44
 June?? [Ariane 5](#) ECA GSAT-20
- ?? [Vega](#) Seosat (Ingenio)
 ?? [CZ-2C](#) Yaogan Weixing – 30 Group 6 100
 ?? [Soyuz-2 B/Fregat](#)-MT OneWeb smalsat (x32)
- 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 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**



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Aug??	Atlas 5 551	NROL-111	
??	Soyuz-2 B/Fregat -MT	OneWeb smalsat (x32)	
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	
Sep??	??	GOES-T (National Security Space Launch program)	
Sep??	Delta IV -H	NROL-82	80

Oct14. Soyuz 2-1A Soyuz MS 17 (S63/64)
 CDR: Анатолій Алексеевич **Иванішин (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	
??	Soyuz-2 B/ Fregat -MT	OneWeb smalsat (x32)	

Nov06. Proton-M MLM

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

Nov??	Soyuz-2 1B / Fregat -M	Resurs №4	
Nov??	GSLV MK II	Chandrayan-3	

Dec04. CZ-5 Y5 Chang'e-5 (Sample return)

Dec11. Soyuz-2 Progress MS 16

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	
??	Soyuz-2 B/ Fregat -MT	OneWeb smalsat (x32)	
??	??	PACE	
??	??	EX-4	
??	??	ACE	60
??	??	HyspIRI	
??	Antares	IMAP/STP-05	
??	Falcon 9 FT	Dragon SpX-22	
??	Falcon H	ViaSat 3	
??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)	



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??	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	
??	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)	



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??	??	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 Shijian-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 Владимирович **Кудь-Сверчок**

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



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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
?? [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



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??	Proton-M/Briz-M	Ямал-GK-1
??	Proton-M	PTK 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-2 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

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
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??	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
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
??	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	



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?? 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

?? 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



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?? [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

?? 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)



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??	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 (<i>Venera D</i>) 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
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