



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (13.5.2019.)

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.Aug 2019**. Next one on **11.Aug 2019**.

- Aug03. 2250UTC [Falcon 9](#) Amos 17**
Launch site: [Cape Canaveral](#), USA
- Aug05. 2137UTC [Proton-M/Briz-M](#) Blagovest 4**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Aug06. 1930UTC [Ariane 5 ECA](#) VA249 Intelsat 39 / EDRS-C (Hylas 3)**
Launch site: [Kourou](#), French Guiana
- Aug08. 0950UTC [Atlas 5 551](#) AEHF 5**
Launch site: [Cape Canaveral](#), USA
- Aug16. [CZ-3B/E](#) Apstar-6D**
Launch site: [Xichang](#), China
- Aug22. 1455UTC [Delta IV](#) GPS IIIA-2**
Launch site: [Cape Canaveral](#), USA
- Aug22. [Soyuz-2 1A](#) Soyuz 14 GVK**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Aug22. [CZ-4B](#) ZY-2D Ziyuan-2D**
Launch site: [Taiyuan](#), China
- Aug?? [Rokot / Briz KMGeo IK 2](#) 13L
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia
- Aug?? SSLV D1 Two defence sats
Aug?? [PSLV](#) C47 CARTOSAT-3, NEMO-AM
Aug?? [Electron](#) KSM-1,KSM-2,KSM-3 (Kleos Scouting Mission)
- ?? [PSLV](#) C48 - XL RISAT-2BR1
?? [CZ-3A](#) [Beidou 3](#) I3Q
?? [Soyuz-2-1V](#) ??
?? [Soyuz-2-1B/Fregat](#) 14F01 (Neutron) **80**
- Sep01. Cosmic Girl / LauncherOne Test Launch**
Launch site: [Spaceport America](#), USA
- Sep10. [Vega](#) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)**
Launch site: [Kourou](#), French Guiana
- Sep11. H-2B (F9) HTV8**
- Sep20. Astra Space NSLSat-1**
Launch site: Kodiak, USA



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Sep20.	Proton-M/Briz-M	EutelSat 5 West B / MEV
Sep25.	Soyuz-2-1A	Soyuz MS 15 (S61/62)
CDR : Олѣг Ива́нович Скри́почка , (Oleg Ivanovich Skripotcka), Jessica Meir , Hazzaa Al Mansouri		
Sep30.	Falcon 9	Starlink v1 Flight 1
Sep??	Pegasus-XL	ICON (Helio EX-1)
??Launch site:	Cape Canaveral , USA	
Sep??	GSLV MK II	F12 GISAT -1
Sep??	CZ-6A	Satellogic (1-13)
Sep??	CZ-11	Zhuhai-1 Group-3
??	Atlas 5 551 (AV-086)	AEHF-6
??	Ariane 5	Inmarsat-5 F5 (GX-5)
??	Electron	BlackSky Global 4
??	Electron	Dove / Flock-y
Oct15.	Soyuz ST B/Fregat-MT	Cosmo-SkyMed Secon Gen 1 CSG-1 / CHEOPS
(Characterising ExOPlanet Satellite)		
Oct19.	Antares 230	Cygnum OA-12
Oct??	CZ-3A	Beidou 3 MEO M19, Beidou 3 MEO M20
Launch site:	Xichang , China	
Oct??	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)
Launch site:	Cape Canaveral , USA	
Oct??	KZ-1A	??
Launch site:	Jiuquan , China	60
Oct??	Atlas 5 551	STP-03
Oct??	SSLV D2	Demo 2
Oct??	PSLV	RISAT-2BR2
??	CZ-4B	CBERS-4° A
??	Falcon 9	JCsat 18
Nov15.	Falcon 9 (SPx-DM2)	Dragon v2
CDR: Robert Benkhen , Doug Hurley		
Nov20.	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
Nov30.	Atlas 5 422 (AV082)	CST-100 Starliner
CDR: Michael Fincke , Chris Ferguson , Nicole Aunapu Mann		
Nov??	Vega	Falcon Eye 2
Nov??	GSLV	GISAT -2
Nov??	CZ-2D	ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite)
Nov??	Falcon 9	Anasis II
??	Ariane 5	JCSat 17
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)
??	Minotaur 1	NROL 111



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??	Falcon 9	SiriusXM SX7	
??	Minotaur IV	NROL 129	
??	PSLV	HRSAT	
??	CZ-5 Y3	SJ-20 (DFH-5 platform)	
Dec04.	Falcon 9 FT	Dragon SpX-19	40
Dec05.	Soyuz ST B / Fregat -MT	OneWeb smalsat (x32)	
Dec20.	Soyuz-2	Progress MS 13	
Dec??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
Dec??	Proton-M/Briz-M	Elektro L – 3	
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan			
Dec??	Proton-M/Briz-M	Ekspress 80, Ekspress 103	
Dec??	Soyuz-2-1B/Fregat -M	CAS500-1	
Dec??	Soyuz-2-1B/Fregat	Glonass K2 / 13	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
Dec??	Angara A5/ Briz M	Kosmos	
Dec??	Falcon 9	GPS IIIA-3	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	Ariane 5 ECA	Eutelsat BB4A (African Broadband Satellite)	
??	Vega	OpSis	
??	Soyuz-2-	Razdan 1	
??	Proton-M/Briz-M	Kosmos	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2-1B	Pion	
??	Soyuz-2 1B / Fregat -M	Tundra 3	20
??	Soyuz-2 1B / Fregat -M	Tundra 4	
??	Soyuz-2-1B/ Fregat -M	Glonass K1 15	
??	Soyuz-2-1B/Fregat M	Meridian 19L	
??	CZ	FY-3E Fengyun-3E	
??	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	



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?? 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-2D](#) GF-7 Gaofen-7

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

?? [CZ-3B/G2](#) ZX-18 Zhongxing-18

?? [PSLV](#) RISAT_1A

?? [PSLV](#) IRNSS-1J

9 + 8

47 + 95

2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20

?? - inaugural flight - Vega-C - Kourou ZLV

?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C

?? [Ariane 5](#) ECA GSAT-20

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

Feb?? H-2B (F10) HTV9

Feb?? [CZ-3B/YZ-1](#) [Beidou 3](#) 2GQ

Feb?? [Soyuz-2](#) [Progress MS](#) 14

Feb?? [GSLV](#) GSAT - 32

Feb?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

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

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

120

?? [Vega](#) SSMS - 2 (Small Spacecraft Mission Service)

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

?? [Ariane 5](#) ECA Eutelsat Quantum

?? [Ariane 5](#) ECA GSAT 30

?? [Falcon 9](#) GPS IIIA-4

Mar?? [Delta IV](#)-M 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))

?? [Ariane 5](#) Galaxy 30 / MEV-2

?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B

?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass M 59



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??	Soyuz-2-1B/Fregat-M	Glonass M 60
Apr15.	Soyuz 2-1A	Soyuz MS 16 (S62/63)
CDR: Николай Владимирович Тихонов (Nikolai Tikhonov), Андрей Николаевич Бабкин (Andrei Babkin), Hoshide		
Apr??	CZ-3B/YZ-1	Beidou 3 MEO M23, Beidou 3 MEO M24
Apr??	Angara-1.2/AM Gonets	x 3 (No 30,31,32)
Apr??	Soyuz-2 1B / Fregat-M	CAS500-1
Apr??	CZ-5 B	Test flight
??	Vega	CCERES (x3)
May??	Falcon 9	Dragon v2 (USCV-1)
Cdr: Victor Glover , Mike Hopkins , Soichi Noguchi , Ryzhkov??		
May??	Soyuz-2 1B	Progress M-UM
May??	Ariane 62	CSO-2
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??	Soyuz-2	Progress MS 15
??	Vega	Seosat (Ingenio)
July16	Ariane 62	OneWeb
July17.	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
??	Vega-C Pleiades Neo 1, Pleiades Neo 2	
??	Ariane 5	ViaSat 3 EMEA
Aug??	Falcon 9 FT	Dragon SpX-21
Sep??	CZ	CBERS-6 80
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??	Soyuz-2	Progress MS 16
Sep??	??	GOES-T (National Security Space Launch program)
??	CZ-2F/G	SZ-13 Shenzhou-13
Oct21.	Soyuz 2-1A	Soyuz MS 17 (S63/64)
CDR: Иванишин (Ivanishin), Вагнер (Vagner), Christopher J. Cassidy		



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Oct??	Vega	Proba 3	
Oct??	Soyuz-2 1B / Fregat -M	Gonets x 3 (No 27,28,29)	
Oct??	Proton-M	MLM	
Oct??	CZ-5B Y1	New generation manned spacecraft	
??	Falcon 9	SARah 1	
??	Angara A5/ DM 03(Persei)	Kosmos	
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	
??	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	
??	??	HyspIRI	
??	Antares	IMAP/STP-05	
??	Falcon 9 FT	Dragon SpX-22	
??	Falcon H	ViaSat 3	
??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)	
??	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	AOneSat-1	
??	Proton-M/Briz-M	Terrestar-2	
??	Proton-M/Briz-M	SkyTerra 2	
??	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	40
??	Proton-M	PTK NP	



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?? [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
??	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

?? [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	20
??	CZ	HY-3B Haiyang-3B	
??	CZ-3B/	Palapa 1N	

??	??	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

??	GSLV MK III	MOM-2 Follow on Mars Mission
??	PSLV	EnMap

?? [PSLV](#) XL [Aditya'](#)

?? H-IIA [Hope](#) (UAE mission to Mars)



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??	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: **Borisenko, Chub, Bowen**

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

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

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



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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	HƏM-1
??	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
??	Proton-M/DM-03	Glonass-M/K21,K22,K23
??	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)



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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
 ?? 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](#)

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)

?? 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



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??	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
??	Angara A5/ Briz-M	Luch 5M
??	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](#) USCVC-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](#) USCVC-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](#) 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



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??	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	Mission to Venus
??	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			
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
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



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??	??	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)
??	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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