



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (9.9.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change on **09.Sep 2019**.

Sep10. 2133UTC **H-2B (F9)** **HTV8**
Launch site: [Tanegashima](#), Japan

Sep23. **Astra Space** **NSLSat-1**
Launch site: Kodiak, USA

Sep24. **CZ-3A** **Beidou 3 MEO M19, Beidou 3 MEO M20**
Launch site: [Xichang](#), China

Sep25. 1357UTC **Soyuz-2-1A** **Soyuz MS 15 (S61/62)**
CDR : Олэг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotcska**), Jessica **Meir**, Hazzaa **Al Mansouri**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Sep30. 1334UTC **Proton-M/Briz-M** **EutelSat 5 West B / MEV**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Sep?? [Soyuz-2-1B/Fregat](#) 14F01 (Neutron)
Launch site: Плесе́цк ([Plesetsk](#)) Cosmodrome, Russia

Sep?? [Electron](#) ATL-1; FossaSat_1, itd
Launch site: [Kaitorete Spit](#), New Zeland

Sep?? [CZ-4B](#) ZY-2D Ziyuan-2D
Launch site: [Taiyuan](#), China

Sep?? CZ-6A Satellogic (1-13)
Sep?? [CZ-11](#) Zhuhai-1 Group-3
Sep?? **[KZ-1A](#) (Y4)** **??**

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

Oct06. **Atlas 5 N22 (AV80)** **CST-100 Starliner (unmanned test)**
Launch site: [Cape Canaveral](#), USA

Oct10. 0805UTC **Pegasus-XL** **ICON ([Helio EX-1](#))**
Launch site: [Cape Canaveral](#), USA

Oct15. **PSLV C47** **CARTOSAT-3, NEMO-AM** , **FUSE**

Oct17. **Falcon 9** **Starlink v1 Flight 1**

Oct21. 1839UTC **Antares 230** **Cygnus OA-12**

?? CZ-4B CBERS-4° A **60**



Blog Gorana Hudeca

?? [Electron](#) Dove / Flock-y
 ?? [Ariane 5](#) Inmarsat-5 F5 (GX-5)
Dec?? [Soyuz ST B/Fregat](#)-MT Cosmo-SkyMed Secon Gen 1 [CSG-1](#) / CHEOPS (Characterising ExOPlanet Satellite)

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

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

Nov?? [CZ-2D](#) ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite)
 Nov?? [Falcon 9](#) Anasis II
 Nov?? [Soyuz-2-1B/Fregat](#)-M Glonass **K1 15**

?? [Ariane 5](#) JCSat 17
 ?? Kuaizhou-1A (**KZ-1A**) Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)
 ?? Minotaur 1 NROL 111
 ?? [Falcon 9](#) SiriusXM SX7
 ?? Minotaur IV NROL 129
 ?? [CZ-5 Y3](#) SJ-20 (DFH-5 platform)
 ?? [Falcon 9](#) JCSat 18
 ?? [PSLV](#) C48 - XL RISAT-2BR1
 ?? [GSLV](#) MK II F12 GISAT -1

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

Dec20. [Soyuz-2](#) [Progress MS 13](#)

Dec30. [Atlas 5 422 \(AV082\)](#) **CST-100 Starliner**
 CDR: Michael **Fincke**, Chris **Ferguson**, Nicole Aunapu **Mann** **40**

Dec30. [Falcon 9 \(SPx-DM2\)](#) [Dragon v2](#)
 CDR: Robert **Benkhen**, Doug **Hurley**

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

?? [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)

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



Blog Gorana Hudeca

??	Proton-M/Briz-M	Kosmos	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2 1B / Fregat -M	Tundra 3	
??	Soyuz-2 1B / Fregat -M	Tundra 4	
??	Soyuz-2 -1B/ Fregat M	Meridian 19L	
??	CZ	FY-3E Fengyun-3E	
??	CZ	FY-4B Fengyun-4B	20
??	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-2D	GF-7 Gaofen-7	
??	CZ-11	Fengtai Shaonian-02	
??	CZ-3B/E	Apstar-6D	
Launch site: Xichang , China			
??	CZ-3A	Beidou 3 I3Q	
??	PSLV	RISAT_1A	
??	PSLV	IRNSS-1J	
??	PSLV	RISAT-2BR2	
??	GSLV	GISAT -2	
??	PSLV	HRSAT	
??	H-IIA	IGS Optical-7	

10 + 7
58 + 77

2020.

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)



Blog Gorana Hudeca

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

140

?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C
 ?? [Ariane 5](#) ECA GSAT-20

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

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

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Ariane 5](#) ECA Eutelsat Quantum
 ?? [Ariane 5](#) ECA GSAT 30
 ?? SSLV D2 Demo 2
 ?? [Proton-M/Briz-M](#) Ekspres 80, Ekspres 103
 ?? [Soyuz-2](#)-1B/ [Fregat](#)-M Glonass **M 59**
 ?? [Vega](#) Falcon Eye 2
 ?? [Angara](#) A5/ Briz M Kosmos

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))
 Mar?? [Atlas 5](#) 551 (AV-086) AEHF-6 **120**

?? [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

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

Apr20. [Antares 230](#) [Cygnum OA-13](#)

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

May?? [Falcon 9](#) [Dragon v2](#) (USCV-1)
 Cdr: Victor **Glover**, Mike **Hopkins**, Soichi **Noguchi**



Blog Gorana Hudeca

May??	Soyuz-2 1B	Progress M-UM	
May??	Ariane 62	CSO-2	
May??	H-2B (F10)	HTV9	
May??	Falcon 9	GPS IIIA-4	
June??	Ariane 5	MTG-S1/Sentinel-4A	100
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	
June??	Delta IV -H	NROL-44	
??	Vega	Seosat (Ingenio)	
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	
??	Vega-C Pleiades Neo 1, Pleiades Neo 2		
??	Ariane 5	ViaSat 3 EMEA	
Aug??	Falcon 9 FT	Dragon SpX-21	
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??	Soyuz-2	Progress MS 16	80
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??	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	



Blog Gorana Hudeca

Nov?? [Soyuz-2](#) 1B / [Fregat](#)-M Resurs №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
 ?? ?? EX-4
 ?? ?? ACE 60
 ?? ?? HypIRI
 ?? 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

?? [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
 ?? [Proton-M](#) PTK NP 40

?? [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



Blog Gorana Hudeca

??	??	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	
??	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	

143

2021.

Feb?? [Soyuz-2](#) [Progress MS](#) 18



Blog Gorana Hudeca

Feb??	Falcon 9	GPS IIIA-6
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
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



Blog Gorana Hudeca

??	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
??	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)

2022.

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



Blog Gorana Hudeca

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](#) 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



Blog Gorana Hudeca

??	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
??	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)



Blog Gorana Hudeca

??	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	



Blog Gorana Hudeca

?? 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](#)