



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (3.6.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **03. June 2019**.

June05. 0100UTC [CZ-11](#) - wey **Jilin-1 (two sats), CAS-6**
Launch site: [Sea platform, China](#)

June10. 0130UTC **Hyperbola-1** **SQX-1** **7 satellites**
Launch site: [Jiuquan, China](#)

June15. Falcon 9 **Radarsat C-1, -2, C-3**
Launch site: [Vandenberg, USA](#)

June20. 2141UTC [Ariane 5](#) ECA VA248 **Eutelsat 7C / DirecTV 16**

June21. 1344UTC [Proton-M](#) rocket to launch **Spektr-Rentgen-Gamma X-Ray** observatory from Baikonur. 1900 kg Spectr-RG is a joint Russian-German X-ray observatory carrying two telescopes developed and produced by German and Russian partners. The primary instrument is German eRosita, complemented by Russian ART-XC. Main tasks of the project are studies of the sky in X-ray energy range, which can provide clues for the mystery of dark energy.

June23. 0400UTC [Falcon Heavy](#) **STP-02, FORMOSAT-7 (6 sat)**
Launch site: [Cape Canaveral, USA](#)

June23. LD-1 **Jielong-1**
Launch site: [Jiuquan, China](#)

June27. 1000UTC [Atlas 5](#) **AEHF 5**
Launch site: [Cape Canaveral, USA](#)

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

June?? [CZ-2D](#) **SJ-19 Shijan-19**
June?? [Electron](#) "Make it rain" **Prometheus (x2), ACRUX-1**
?? **KZ-11** **Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)**

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

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

?? **Cosmic Girl / LauncherOne** **Test Launch**
Launch site: [Spaceport America, USA](#) **100**

?? [CZ-3B/G2](#) **TCSTAR 1**
?? [CZ-11](#) **Zhuhai-1 Group-3**
?? [Soyuz-2-1V](#) ??
?? [Soyuz-2-1B/Fregat M](#) **Meridian 18L**



Blog Gorana Hudeca

July05. [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-2, Ionosfera 3, Ionosfera 4**

Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

July08. [Falcon 9](#) [Dragon](#) SpX-18

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

July09. [GSLV](#) Mk III D3 **Chandrayaan 2**

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

July15. 2137UTC [Proton-M/Briz-M](#) **Blagovest 14**

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

July20. 1625UTC [Soyuz FG](#) [Soyuz MS 13 \(S60/61\)](#)

CDR: Александр Александрович Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA)

July24. [Ariane 5](#) ECA VA249 **Intelsat 39 / EDRS-C (Hylas 3)**

July25. 1500UTC [Delta IV](#) **GPS IIIA-2**

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

July31. [Soyuz-2](#) [Progress MS 12](#)

July?? [Vega](#) VV15 **Falcon Eye 1**

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

July?? [Falcon 9](#) **Amos 17**

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

July?? [KZ-1A](#) ??

Launch site: [Jiuquan](#), China

July?? [CZ-3A](#) **Beidou 3 I3Q**

July?? [PSLV](#) C48 - XL **RISAT-2BR1**

Aug17. [Atlas 5](#) N22 (AV80) **CST-100 Starliner (unmanned test)**

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

Aug22. [Soyuz-2](#) 1A **Soyuz 14 GVK**

Aug?? [Zenit 3 SL /Fregat](#)-SB **Lybid'**

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan **80**

Aug?? [SSLV](#) D1 **Two defence sats**

Aug?? [PSLV](#) C47 **CARTOSAT-3, NEMO-AM**

Aug?? [Electron](#) **KSM-1,KSM-2,KSM-3 (Kleos Scouting Mission)**

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

Sep02. [Vega](#) **SSMS POC (Small Spacecraft Mission Service Proof Of Concept)**

Sep11. **H-2B (F9)** **HTV8**

Sep25. [Soyuz-2-1A](#) [Soyuz MS 15 \(S61/62\)](#)

CDR : Олэг Ива́нович Скри́почка, (Oleg Ivanovich Skripotscka), ??Christopher J. Cassidy, Hazzaa Al Mansouri

Sep?? [GSLV](#) MK II F12 **GISAT -1**



Blog Gorana Hudeca

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

??	Atlas 5 551 (AV-086)	AEHF-6
??	Ariane 5	Inmarsat-5 F5 (GX-5)
??	Falcon 9	JCSat 18
??	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](#) [Cygnus OA-12](#)

Oct??	CZ-3B/YZ-1	Beidou 3 MEO M19, Beidou 3 MEO M20
Oct??	Falcon 9	GPS IIIA-3
Oct??	Atlas 5 551	STP-03
Oct??	SSLV D2	Demo 2 60
Oct??	PSLV	RISAT-2BR2
Oct??	Proton-M/Briz-M	EutelSat 5 West B / MEV
??	CZ-4B	CBERS-4° A

Nov01. [Atlas 5 422 \(AV082\) CST-100 Starliner](#)
CDR: Michael **Fincke**, Chris **Ferguson**, Nicole Aunapu **Mann**

Nov20. [Proton-M/Briz-M](#) **Elektro L – 3**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Nov20. [Soyuz ST B/Fregat-MT](#) **OneWeb smalsat (x32)**

Nov??	Vega	Falcon Eye 2
Nov??	GSLV	GISAT -2
??	Ariane 5	JCSat 17
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)
??	CZ-6A	Satellologic (1-13)
??	Vega	Seosat (Ingenio)
??	Minotaur 1	NROL 111
??	Falcon 9	SiriusXM SX7
??	Minotaur IV	NROL 129

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

Dec05. [Soyuz ST B/Fregat-MT](#) **OneWeb smalsat (x32)**

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

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

Dec?? [Rokot / Briz KM](#) [Gonets](#) x 3 (No 24,25,26), Blits-M
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia **40**

Dec?? [Proton-M/Briz-M](#) Ekspress 80, Ekspress 103



Blog Gorana Hudeca

Dec??		Soyuz-2 1B /Fregat-M CAS500-1	
Dec??		Soyuz-2-1B/Fregat	Glonass K2 / 13
Dec??		Falcon 9	GPS IIIA-4
Dec??		CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22
Dec??		Angara A5/ Briz M	Kosmos
Dec??		CZ-5 Y3	SJ-20 (DFH-5 platform)
??		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)
??		Ariane 5 ECA	Star One D2
??		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
??		Soyuz-2 1B /Fregat-M	Tundra 4
??		Rokot / Briz KMGeo IK 2	13L
Launch site:		Плесецк (Plesetsk) Cosmodrome, Russia	20
??		Soyuz-2-1B/ Fregat-M	Glonass K1 15
??		CZ-5	Chang'e-5 (Sample return)
??		CZ-7	New generation manned spacecraft
??	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-3A	Beidou 3 I2Q
??		CZ	CBERS-SAR 1
??	CZ-??	CAS-4A, CAS-4B	
Launch site:		Taiyuan , China	
??		KZ-1A	Jilin 1-10
??		KZ-1A	Jilin 1-11
??		KZ-1A	Jilin 1-12
??		CZ-2D	GF-7 Gaofen-7



Blog Gorana Hudeca

??	CZ-2D	ETRSS-1
??	CZ-11	Fengtai Shaonian-02
??	CZ-3B/G2	ZX-18 Zhongxing-18

?? CZ?? CAS-7A, CAS-7B
Launch site: [Jiuquan](#), China

6 + 12
31 + 114

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 120
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)

?? [Vega](#) SSMS - 2 (Small Spacecraft Mission Service)
?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
?? [CZ-5](#) B Test flight
?? [Ariane 5](#) ECA Eutelsat Quantum
?? [Ariane 5](#) ECA GSAT 30

Mar20. [Soyuz 2-1A](#) [Soyuz MS 16 \(S62/63\)](#)

CDR: Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**), Hoshide

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))

?? [CZ-5](#) Tian He Space Station Core Module
?? [Ariane 5](#) Galaxy 30 / MEV-2
?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B
?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass M 59
?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass M 60

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 CAS500-1 100

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



Blog Gorana Hudeca

??	Vega CCERES (x3)		
May??	Soyuz-2 1B	Progress M-UM	
May??	Ariane 62	CSO-2	
June??	Atlas 5 402	CST 100 Starliner (USCV-2)	
	Cdr: John Cassada , Sunita Williams		
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	
July16	Ariane 62	OneWeb	
July17.	Atlas 5 (541)	Mars 2020 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??	CZ-5	Mars probe (orbiter + lander + rover)	
July??	Soyuz-2-1B/Fregat-M	Glonass K2 / 14	
??	Vega-C Pleiades Neo 1, Pleiades Neo 2		
??	Ariane 5	ViaSat 3 EMEA	80
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	
Sep??	??	GOES-T (National Security Space Launch program)	
??	CZ-2F/G	SZ-13 Shenzhou-13	
??	Soyuz-2-1B	Arktika-M	
Oct21.	Soyuz 2-1A	Soyuz MS 17 (S63/64)	
	CDR: Иванишин (Ivanishin) , Вагнер (Vagner) , Bowen		
Oct??	Vega	Proba 3	
Oct??	Soyuz-2 1B / Fregat-M	Gonets x 3 (No 27,28,29)	
??	Falcon 9	SARah 1	
??	Angara A5/ DM 03(Persei)	Kosmos	
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)
??	Proton-M	MLM	



Blog Gorana Hudeca

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

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	

?? [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
??	Soyuz-2 -1B/ Fregat M	Meridian 19L

?? [Angara](#) 1.2 Kosmos



Blog Gorana Hudeca

??	Ariane 5	Arsat 3	
??	Ariane 5	ViaSat-3 Asia	
??	Ariane 5 ECA	EDRS-D	
??	??	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	
??	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)	
??	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	

126

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: xx, Akihiko **Hoshide**, xx

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

Mar?? [Atlas 5](#) 411 SBIRS-GEO 5



Blog Gorana Hudeca

Apr??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
Apr??	Ariane 62	Galileo-FOC FM23, Galileo-FOC FM24
??	CZ-5 B Wentian Lab module	Space station 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 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	Soyuz-2	Progress MS 19
??	CZ-2F/G	SZ-14 Shenzhou-14
??	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
Oct??	Atlas 5 401/ Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)
Oct??	Ariane 62	CSO-3
Oct??	Atlas 5 402 / Falcon 9	USCV-5 (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
??	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



Blog Gorana Hudeca

??	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	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

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
Apr??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
??	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 \(JUper ICy moon Explorer\)](#)

Apr??	CZ-3B/G2	LSTSAT (Nicasat 1)
June04.	SLS Block I	Orion: Exploration Mission 2 (Crew to Cislunar) Mission)
June??	Ariane 5	MTG-I2



Blog Gorana Hudeca

??	Sunkar ??	
??	Soyuz-2	Progress MS 20
Aug??	H2B	Phobos sample return
Oct??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)
Aug??	Atlas 5 411	SBIRS-GEO 6
Sep30.	Soyuz-2-1A	Soyuz MS 20
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
??	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
Apr??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16
??	Soyuz-2	Progress MS 23



Blog Gorana Hudeca

- ?? [Ariane 5](#) MTG-S2/Sentinel-4A
- Sep30.** [Soyuz-2-1A](#) [Soyuz MS 22](#)
- Oct?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-9 (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 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](#)
- Apr?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-10 (US Commercial Vehicles)
- ?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
- Sep30.** [Soyuz-2-1A](#) [Soyuz MS 24](#)
- Oct?? EELV GOES-U
- Oct?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-11 (US Commercial Vehicles)



Blog Gorana Hudeca

??	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		
Apr??	Atlas 5 402 / Falcon 9	USCV-12 (US Commercial Vehicles)
Oct??	Atlas 5 402 / Falcon 9	USCV-13 (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.		
Apr??	Atlas 5 402 / Falcon 9	USCV-14 (US Commercial Vehicles)



Blog Gorana Hudeca

June??	Angara A5P/KVTK	A mission to Venus (<i>Venera D</i>) would be launched
Oct??	Atlas 5 402 / Falcon 9	USCV-15 (US Commercial Vehicles)
??	CZ	Jupiter Orbiter
??	CZ	Mars Sample Return
??	CZ	Chang'e-8 (Moon north pole landing)
??	Angara A5/DM03	Bumerang (FobosGrunt 2)

2069.

??	??	Interstellar mission
----	----	--------------------------------------