



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (7.5.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 07.May.2018.

May08. 1830UTC [CZ-4B](#) **GF-5** [Gaofen-5](#)
Launch site: [Taiyuan](#), China

May19. 2003UTC [Falcon 9](#) [Iridium Next](#) Flight 6 (x5), GRACE FO_1, FO_2 Launch site: [Vandenberg](#), USA

May20. 0904UTC [Antares](#) 230 [Cygnum](#) Orb-9E
Launch site: [Wallops Island](#), USA

May21. [CZ-3B/G2](#) **L2 Chang'e 4 communications relay satellite**
Launch site: [Xichang](#), China

May24. 0429UTC [Falcon 9](#) **SES-12**
Launch site: [Cape Canaveral](#), USA

May?? [Electron](#) Outerspace 1, Lemur
Launch site: [Kaitorete Spit](#), New Zeland

May?? [Falcon 9](#) [Bangabandhu-1](#)
Launch site: [Cape Canaveral](#), USA

June06. 1113UTC [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)
CDR: Сергей Валерьевич **Прокопьев** (Sergei Valerevich **Prokopyev**), Serena **Auñón-Chancellor**, Alexander **Gerst**

June10. [CZ-3A](#) **FY-2H Fengyun-2H**

June11. 0400UTC [H-2A](#) **IGS Radar-6**

June12. [CZ-2D](#) **GF-6 Gaofen-6, LJ-1 Luojia-1**

June13. 1428UTC **Pegasus-XL** **ICON ([Helio EX-1](#))** 120
Launch site: [Kwajalein Atoll](#), USA

June17. [Falcon 9](#) **Telstar 19**

June28. 1003UTC [Falcon 9](#) [Dragon](#) SpX-15
Launch site: [Cape Canaveral](#), USA

June?? [Rokot / Briz KMGeo IK 2](#) 13L
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

June?? [CZ-2C](#) [Pakistani Remote Sensing Satellite \(PRSS\) 1](#)
Launch site: [Taiyuan](#), China

June?? [Falcon 9](#) [Iridium Next](#) Flight 7 (x10)
June?? [GSLV](#) MK III D2 **GSAT-29**
June?? [Soyuz-2-1B/ Fregat-M](#) [Glonass-M](#) 56



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June??	CZ-3B/YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8
??	KZ-11	Xiaoxiang-4
??	Electron	ELaNa, ...
??	KZ-1A	Jilin 1-09
??	KZ-1A	Jilin 1-10
??	KZ-1A	Jilin 1-11
??	KZ-1A	Jilin 1-12
July02.	Falcon 9	Telstar 18
July09. 2151UTC	Soyuz-2 1A	Progress MS 9
July25. 1124UTC	Ariane 5 ES (VA243)	Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC FM21 (Anna), Galileo-FOC FM22 (Ellen)
July31. 0815UTC	Delta 4-H	Parker Solar Probe
July??	Soyuz-2 1A	Bars-M 3
??	CZ-3B/YZ-1	Beidou 3 MEO M9, Beidou 3 MEO M10 100
??	Ariane 5 ECA	GEO-KOMPSAT-2A
Aug16.	H-2B (F7)	HTV7
Aug21.	Vega (VV12)	Aeolus / ADM
Aug??	Ariane 5 ECA	Azerspace 2 (Intelsat 38)
Launch site: Kourou , French Guiana		
Aug??	CZ-3C	Beidou 2 I7
Aug??	CZ-11	OKW-2
Aug??	Falcon 9	Telkom 4
??	PSLV C42	??
??	Rokot / Briz KM Rodnik	
??	Falcon 9	Iridium Next Flight 8 (x10)
??	Falcon 9	Es'hail 2
Sep12. 1246UTC	Delta II 7320-10C	ICESat-II
Sep19. 0047UTC	Soyuz ST B/Fregat-M	MetOp-C
Sep26.	Delta 4-H	NROL-71
Sep30.	Falcon 9	Spaceflight SSO-A
Sep??	Falcon 9	GPS III-1
Sep??	CZ-2C	CFOSAT (China-France Oceanography SATellite)
Sep??	Falcon 9	SAOCAM-1A, ITASAT-1
Sep??	GSLV MK II F12	GSAT-7A
Sep??	Falcon Heavy	STP-02 80
??	Ariane 5 ECA	Eutelsat 7C
??	Falcon 9	OHB SARah satellite (x2)
??	Ariane 5 ECA	Hellas-Sat-4



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??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	H-2A	GOSAT-2	
Oct05.	Ariane 5	BepiColombo	ESA and ISAS Mercury Orbiters
Oct11.	0840UTC	Soyuz-2 1A	Soyuz MS 10 (S57/58)
		CDR: Алексей Николаевич Овчинин (Aleksei Nikolaevich Ovchinin) , Tyler Hague	
Oct18.	Atlas 5 (531) (AV073)	AEHF-4	
Oct22.	Proton-M/Briz-M	Elektro L – 3	
Oct31.	0053 UTC	Soyuz-2 1A	Progress MS 10
Oct??	Rokot / Briz KM	Gonets x 3 (No 24,25,26),	Blits-M
	Launch site: Плесецк (Plesetsk) Cosmodrome, Russia		
Oct??	GSLV Mk II D9	Chandrayaan 2	
	Launch site: Satish Dhawan Space Centre , Sriharikota, India		
Oct??	CZ-3C	Beidou 3 G1Q	
Oct??	Soyuz-2-1B/Fregat-M	Glonass-M 60	
??	Falcon 9 (SPx-DM1)	Dragon v2	unmanned test
??	Ariane 5	Horizon 3e	
??	Falcon H	Arabsat 6A	
??	Falcon 9	Radarsat C-1, -2, C-3	
Nov08.	Antares 230	Cygnum Orb-10E	
Nov18.	Falcon 9 FT	Dragon SpX-16	60
Nov27.	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	
Nov??	Vega	Prisma	
	Launch site: Kourou , French Guiana		
Nov??	CZ-5 Y3	SJ-18 02 (DFH-5 platform)	
Nov??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
Nov??	Proton-M/Briz-M	Blagovest 13	
??	Epsilon (4)	Inovative Technology Demonstration Satellite – 1,	OrigamiSat-1
	Launch site: Tanegashima , Japan		
??	Minotaur 1	NROL 111	
??	CZ-2D	GF-7 Gaofen-7	
??	CZ-3B/E	Apstar-6D	
??	Falcon 9	PSN VI	
Dec20.	0452UTC	Soyuz-2 1A	Soyuz MS 11 (S58/59)
	CDR: Олэг Дмїтриевич Кононєнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA) , David Saint-Jaques		
Dec31.	Falcon 9 (SPx-DM2)	Dragon v2	
	CDR: Eric Boe , Sunita Williams		



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Dec?? [CZ-3B/GIII](#) Chang'e-4 (Moon far side Aitken Basin lander/rover)
 Dec?? [Soyuz ST B/Fregat-MT](#) CHEOPS (Characterising ExOPlanet Satellite)
 Dec?? [Soyuz ST B/Fregat-MT](#) OneWeb smalsat (x10)
 Dec?? [Soyuz-2-1B/Fregat M](#) Meridian 18L
 Dec?? [Soyuz-2-1B/ Fregat-M](#) Glonass K 15
 Dec?? [Soyuz-2 1A / Fregat](#) Kanopus V 5, Kanopus V 6

?? [Zenit 3 SL /Fregat-SB](#) Lybid'
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

?? [Delta IV-M \(5,4\)](#) WGS 10 40

?? Minotaur-4 FORMOSAT-7 (6 sat)
 ?? [Atlas 5](#) AEHF 5

?? [Soyuz-2 1B /Fregat-M](#) Neutron (Kosmos)
 ?? [Angara A5/ Briz-M](#) Kosmos

?? [Vega](#) MN35-13 B [Morocco EO Sat 1 2](#)

?? [Ariane 5](#) ECA [GSAT-11](#)

?? [CZ-3B/YZ-1](#) Beidou 3 MEO M11, Beidou 3 MEO M12
 ?? [CZ-3B/YZ-1](#) Beidou 3 MEO M13, Beidou 3 MEO M14
 ?? [CZ-3B/YZ-1](#) Beidou 3 MEO M15, Beidou 3 MEO M16
 ?? [CZ-3B/YZ-1](#) Beidou 3 MEO M17, Beidou 3 MEO M18

?? ?? Taurus-1
 Launch site: [Taiyuan](#), China

?? [CZ-2D](#) SJ-12 Shijian-12 (2)
 ?? [CZ-2D](#) TH-2 Tianhui-2
 ?? [CZ-2C](#) CSES-1 Earthquake electromagnetism monitor satellite
 ?? ?? VeneSat-2
 ?? [CZ-3B/E](#) CC-1 [Changcheng-1](#)
 ?? CZ Deep Space Solar Observatory
 ?? CZ-2 CAS-2A1, CAS-2A2

?? [CZ-3B/E](#) CongoSat 1

?? ?? Small Military Meteorological Satellite (x6) 20

?? CZ FY-3E Fengyun-3E
 ?? CZ FY-4B Fengyun-4B

?? [CZ-4B](#) [Haiyang-1C](#) HY-1C
 Launch site: [Taiyuan](#), China

?? CZ-?? [CAS-4A, CAS-4B](#)
 Launch site: [Taiyuan](#), China

?? CZ-4B HY-1D Haiyang-1D
 ?? CZ-4B HY-2B Haiyang-2B

?? [CZ-3C](#) [Beidou 3](#) G8



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?? CZ Orbita-1 1
 ?? CZ Huaizong-1
 ?? [LS-1](#) LandSpace-1 (China)
 ?? [CZ-3B](#)/YZ-1 ZX-6C Zhongxing-6C
 ?? [CZ-2D](#) SaudiSAT 5B
 ?? CZ YG-32 [Yaogan Weixing](#) 32
 ?? CZ?? Tianzhi-1

?? [PSLV](#) Cartosat-3

?? [Simorgh](#) [Dosti](#)
 Launch site: [Semnan](#), Iran

?? [Safir 1 B](#) Tadbir
 ?? Safir 3A Pars sepher

?? [Unha-3](#) Kwangmyŏngsŏng-5

8 + 21
 42 + 131

2019.

Jan?? [Proton-M/Briz-M](#) Ямал-601 120

?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C
 ?? [Soyuz-2-1B/Fregat-M](#) Meteor M-2-2, Ionosfera 3, Ionosfera 4

Feb07. 0920UTC [Soyuz-2](#) [Progress MS 11](#)

Feb?? [CZ-3C](#) Beidou 3 I1Q
 Feb?? [Atlas 5](#) 551 (AV-086) AEHF-6

?? [Soyuz-2-1B](#) Arktika M 1
 Launch site: Восточный (Vostochniy), Cosmodrome, Russia

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

Mar?? [Falcon 9](#) GPS IIIA-2
 Mar?? [Falcon 9](#) [Dragon](#) SpX-17

?? [Atlas 5](#) 422 (AV082) CST-100 Starliner

CDR: Douglas **Hurley**, Robert **Behnken**

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13
 ?? [Soyuz-2-1B](#) EgyptSat A
 ?? [Soyuz ST](#) B/[Fregat](#)-MT Cosmo-SkyMed Secon Gen 1 CSG-1
 ?? [Vega](#) TARANIS

?? [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.



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Apr05. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олэг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Андрéй Никола́евич **Ба́бкин** (Andrei Nikolaevich **Babkin**), Shannon **Walker**

Apr??	??	GOES-T	
Apr??	CZ-3B/E	Nicasat 1	
Apr??	CZ-3C	Beidou 3 I2Q	100
Apr??	Atlas 5 531	Cygnus OA-11	
Apr??	Falcon 9	Dragon v2 (USCV-1) with 2 astronauts	
Apr??	Soyuz-2	Progress MS 12	

May??	Atlas 5 402	CST 100 Starliner (USCV-2) with 2 astronauts
May??	Falcon 9 FT	Dragon SpX-18
May??	CZ	CBERS-4A
May??	Ariane 5 ECA	EDRS-C (Hylas 3)

June??	Atlas 5 551	STP-03
June??	CZ-5 B	Test flight

??	PSLV	RISAT 1A
??	CZ-3B/G2	TECSTAR 1
??	SSLV	??
??	Soyuz ST B/Fregat-MT	O3b (FM17-20)
??	GSLV MK II F10	GISAT

July?? [Soyuz 2-1A](#) [Soyuz MS 13 \(S60/61\)](#)
 CDR: **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

July??	CZ-3C	Beidou 3 I3Q
July??	H-2B (F9)	HTV8

??	Ariane 5	Inmarsat-5 F5
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Aug28. [Soyuz-2 1A](#) [Soyuz GVK](#)

Aug??	Soyuz ST B/ Fregat -MT	EarthCare	80
Aug??	Proton-M	MLM	

??	Delta IV	GPS IIIA-3
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Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1
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Oct?? [Soyuz 2-1A](#) [Soyuz MS 14 \(S61/62\)](#)
 ? CDR: **Борисенко** (Andrei Borisenko), **Чуб**,(Nikolai Chub), Christina **Koch**

Oct??	CZ-3B/YZ-1	Beidou 3 MEO M19, Beidou 3 MEO M20
Oct??	Soyuz-2 1B / Fregat -M	Gonets x 3 (No 27,28,29)
Oct??	Soyuz-2 1B / Fregat -M	Resurs №5
Oct??	Falcon 9 FT	Dragon SpX-19

Nov14. [Soyuz-2 1B](#) [Progress M-UM](#)

Nov29. [Soyuz-2 1a](#) / [Fregat](#) [Luna 25 \(Luna-Glob-1\)](#)

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



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??	Soyuz-2-1B/Fregat-M	Glonass K2 / 14	
??	Proton-M/Briz-M	Blagovest 14	
??	Falcon 9	GPS IIIA-4	
??	Vega	Seosat (Ingenio)	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
Dec??	Proton-M/Briz-M	Ekspress 80, Ekspress 103	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Falcon 9	Astrium active SARah satellite	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	60
??	??	EX-3	
??	Falcon 9	GiSat-1	
??	Vega	Jason-CS A	
??	Vega	OpSis	
??	Vega	VNREDSat	
??	Vega	LOTUSat	
??	Ariane 5 ECA	Eutelsat Quantum	
??	Ariane 5 ECA	African Broadband Satellite	
??	Ariane 5 ECA	Intelsat 39	
??	Soyuz ST / Vega	MicroCarb	
??	Soyuz ST B/ Fregat -MT	Sentinel-1C	
??	Ariane 5	ViaSat-3	
??	Ariane 5	JCSat 17	
??	Proton-M/Briz-M	SkyTerra 2	
??	Proton-M/Briz-M	Luch 5M	
??	Proton-M/Briz-M	Yenisey A1	
??	Soyuz-2 1B / Fregat -M	Glonass-M 61	
??	Proton-M/ DM-03	Glonass-M/ 56,57,58	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 17	
??	Proton-M/ DM-03	Glonass-M/ K18,K19,K20	40
??	Proton-M/ DM-03	Glonass-M/ K21,K22,K23	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 16	
??	Proton-M/ DM-03	Glonass K	
??	Proton-M/Briz-M	Ямал-501	
??	Proton-M/Briz-M	EutelSat	
??	Proton-M/Briz-M	IntelSat	
??	Soyuz-2-1B/Fregat M	Meridian 19L	
??	Soyuz-2-	Razdan 1	
??	Angara 1.2	Kosmos	
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M	PTK NP	
??	Soyuz-2-1B	Obzor R -1	



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??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2 -1B	Pion	
??	Soyuz-2 -1B/ Fregat -M	Glonass K2	
??	Soyuz-2 -1B/ Fregat	Glonass K2	
??	Proton-M / DM 3	Kosmos (Repei??)	
??	Proton-M / DM-03	Glonass-M	20
??	Soyuz-2 -1B	Arktika	
??	Soyuz-2 1B / Fregat -M	Resurs N ^o 4	
??	Soyuz-2 -1B/ Fregat -M	Kondor-FKA n. ^o 1	
??	Soyuz-2 1B / Fregat -M	Tundra 3	
??	Soyuz-2 1B / Fregat -M	Tundra 4	
??	Soyuz ST	CSO 1	
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
??	CZ-5	Chang'e-5 (Sample return)	
??	CZ-7	New generation manned spacecraft	
??	CZ	FY-3F Fengyun-3F (Batch 2)	
??	CZ	FY-3 Fengyun-3 RM-2	
??	CZ-4B	HY-2D Haiyang-2D	
??	CZ	Sun Fixed-Point Observation	
??	CZ-4B	HY-2C Haiyang-2C	
??	CZ	CBERS-SAR 1	
??	??	Hainan-1 (1)	
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	
??	GSLV MK II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	PSLV	ScatSat, NovaSAR	
119			
2020.			
Jan??	Falcon 9	Dragon SpX-20	
Feb05.	Atlas 5	Solar Orbiter (SOLO) (ESA)	
Feb??	H-2B (F10)	HTV9	
Feb??	Soyuz-2	Progress MS 13	
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	



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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)
??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-12 Shenzhou-12
May??	Soyuz 2-1A	Soyuz MS 15 (S62/63)
CDR:	Рыжиков (Sergei Ryshikov), Jessica Meir (NASA), Soichi Noguchi (JAXA)	
May??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
May??	Ariane 5 ES	JWST (James Webb Space Telescope)
??	CZ-3B/G2	ZX-18 Zhongxing-18
June??	SLS-1	Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
June??	Ariane	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)
July16	Ariane 62	Galileo-FOC FM23, Galileo-FOC FM24
July17.	Atlas 5 (541)	Mars 2020 rover NASA's exit from a joint sample-collection campaign with Europe aims to send a \$700 million mission to the red planet in 2018 or 2020. The replanned Mars mission, referred to in budget documents as Mars Next Generation, will carry a price tag that falls somewhere between that of the 2013 Maven Scout mission and the 2005 Mars Reconnaissance Orbiter, which cost \$485 million, and more than \$720 million, respectively.
July24.	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 2018. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface.
July??	CZ-3C	Beidou 3 G2Q
July??	CZ-5	Mars probe (orbiter + lander + rover)
??	Vega-C Pleiades Neo 1, Pleiades Neo 2	
Aug??	Falcon 9 FT	Dragon SpX-21
Aug??	Soyuz-2	Progress MS 14
Sep??	CZ	CBERS-6
Sep??	Soyuz-2-1B/Fregat-M	Glonass K2 / 15
??	CZ-2F/G	SZ-13 Shenzhou-13
??	Falcon 9	GPS IIIA-5
Oct??	Vega	Proba 3
Nov??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)
Nov??	Soyuz-2	Progress MS 15
Nov??	Soyuz 2-1A	Soyuz MS 16 (S63/64)
Dec15.	Atlas 5	Landsat 9



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?? GSLV-Mk III. 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).

??	??	SWOT
??	??	PACE
??	??	EX-4
??	??	ACE
??	??	HyspIRI
??	Antares	IMAP/STP-05
??	Falcon 9 FT	Dragon SpX-22
??	Antares 230	Cygnus OA-12
??	Falcon H	ViaSat 3
??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)
??	Proton-M	HЭM-1
??	Soyuz-2-1B/ Fregat -M	Glonass M 55
??	Soyuz-2-1B/ Fregat -M	Glonass-M/ 53
??	Soyuz-2-1B/ Fregat	Glonass M/ 58
??	Soyuz-2-1B/ Fregat	Glonass M / 59
??	Soyuz-2-1B/ Fregat -M	Resurs PM - 1
??	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
??	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
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картограф-ОЭ №1
??	Vega	Sentinel-2C
??	Vega	Sentinel-3C
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	Ariane 5	Arsat 3
??	CZ-5	Chang'e-6



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??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	CZ-3B/	Palapa 1N
??	??	Hainan-1 (4)
??	??	Hainan-1 (5)
??	??	Hainan-1 (6)
??	??	Sanya-1 (1)
??	??	Sanya-1 (2)
??	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

2021.

Jan ??	Ariane 62	Galileo-FOC FM25, Galileo-FOC FM26
Feb??	Soyuz-2	Progress MS 16
Mar30.	Soyuz-2-1A	Soyuz MS 17
	Cdr: xx, Akihiko Hoshide , xx	
Apr??	Soyuz ST B/ Fregat M	MarcoPolo-R
??	CZ-5 B	Wentian Lab module Space station module
May??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
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.	
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	Soyuz-2	Progress MS 17
??	CZ-2F/G	SZ-14 Shenzhou-14
July??	Vulcan/Minotaur 6/ Falcon 9 v1.1	JPSS-2
July??	Vega	Biomass
Sep30.	Soyuz-2-1A	Soyuz MS 18
Sep??	Soyuz ST B/ Fregat -MT	MetOp-SG A1/EP-SG-a/Sentinel-5A
Oct??	Atlas 5 401/ Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)
Nov??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)
??	Ariane 5	MTG-I1
??	Ariane 5	Heinrich Hertz



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?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-2

?? [Falcon 9](#) GPS IIIA-6
 ?? [Falcon 9](#) GPS IIIA-7
 ?? [Falcon 9](#) GPS IIIA-8

?? [Soyuz-2](#) [Progress MS](#) 18
 ?? [Soyuz-2-1B/Fregat-M](#) Transformable Modul TM

?? [Soyuz-2](#) 1a / [Fregat](#) [Luna 26](#) (Luna-Resurs OA)

?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 2
 ?? [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

?? [Vega](#) Sentinel-1A 2nd Gen
 ?? [Vega](#) Space Rider
 ?? [Soyuz ST](#) / [Vega](#) Merlin

?? 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](#) 19

Mar17. CZ 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

?? CZ TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
 ?? [CZ-5](#) B Xuntian Lab module Space station module
 ?? CZ-2F/G SZ-15 Shenzhou-15

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-8 (US Commercial Vehicles)

June04. **SLS Block I Orion: Exploration Mission 2 (Crew to Cislunar Mission)**

June?? [Ariane 5](#)ECA JUICE (JUperiter ICy moon Explorer)
 June?? Ariane 5 MTG-I2



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??	Sunkar ??	
??	Soyuz-2	Progress MS 20
Aug??	H2B	Phobos sample return
Sep30.	Soyuz-2-1A	Soyuz MS 20
Sep??	Soyuz ST B/Fregat -MT	MetOp-SG B1
Nov??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
??	Sunkar Federatsia (unmaned)	
??	Soyuz-2	Progress MS 21
??	Soyuz-2 1b	Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	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
??	Ariane 5	Moon's south pole samples return mission
??	Vega	Jason-CS B
??	Ariane 5	ATHENA
??	CZ	HY-3C Haiyang-3C
2023.		
??	Soyuz-2	Progress MS 22
Mar30.	Soyuz-2-1A	Soyuz MS 21
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16
May??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)
??	Soyuz-2	Progress MS 23
Sep30.	Soyuz-2-1A	Soyuz MS 22
??	Soyuz-2	Progress MS 24



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Nov??	Atlas 5 402 / Falcon 9	USCV-11 (US Commercial Vehicles)
??	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
??	Vega	Sentinel-2A 2nd Gen
??	CZ	SPORT (Solar Polar Orbit Radio Telescope)
??	CZ	FY-4D Fengyun-4D
??	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

2024

Mar30.

[Soyuz-2-1A](#) [Soyuz MS 23](#)

?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-12 (US Commercial Vehicles)

Sep30.

[Soyuz-2-1A](#) [Soyuz MS 24](#)

Oct?? EELV GOES-U

?? 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 Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples

?? [Proton-M](#) / DM-03 Spektr - UF



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??	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
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)

2025

??	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/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
??	CZ	Chang'e-7 (Moon south pole landing)

2026.

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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