



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (23.4.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 23.Apr.2018.

Apr25. 1757UTC [Rokot / Briz KM](#) [Sentinel 3B](#)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Apr26. [CZ-11](#) [Zhuhai-1](#)
Launch site: [Jiuquan](#), China

May02. [CZ-4B](#) [GF-5 Gaofen-5](#)
Launch site: [Taiyuan](#), China [CZ-4B](#)

May04. 2000UTC [Falcon 9](#) [Bangabandhu-1](#)
Launch site: [Cape Canaveral](#), USA

May05. 1105UTC [Atlas 5 401 AV-078](#) [InSight](#)
Launch site: [Vandenberg](#), USA

May06. [CZ-3B/G2](#) [APStar-6C](#)
Launch site: [Xichang](#), China

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

May20. [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. [Falcon 9](#) [SES-12](#)
Launch site: [Cape Canaveral](#), USA

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

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

?? [KZ-1A](#) [Jilin 1-09](#)
?? [KZ-1A](#) [Jilin 1-10](#)
?? [KZ-1A](#) [Jilin 1-11](#)
?? [KZ-1A](#) [Jilin 1-12](#)

June06. [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](#)



Blog Gorana Hudeca

June12.	CZ-2D	GF-6 Gaofen-6, LJ-1 Luojia-1	120
June13. 1428UTC	Pegasus-XL	ICON (Helio EX-1)	
Launch site: Kwajalein Atoll , USA			
June28. 0900UTC	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??	Ariane 5 ECA (VA243)	GSAT-11 , Azerspace 2 (Intelsat 38)	
Launch site: Kourou , French Guiana			
June??	Falcon 9	Iridium Next Flight 7 (x10)	
June??	GSLV MK III D2	GSAT-29	
June??	Falcon 9	Telstar 19	
June??	CZ-3B/YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8	
??	KZ-11	Xiaoxiang-4	
??	Electron	ELaNa, ...	
July05.	Falcon 9	Spaceflight SSO-A	
July10.	Soyuz-2 1A	Progress MS 9	
July25. 2041UTC	Ariane 5 ES (VA244)	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	
July??	Falcon 9	Radarsat C-1, -2, C-3	
July??	Falcon Heavy	STP-02	
July??	Falcon 9	Telstar 18	
??	CZ-3B/YZ-1	Beidou 3 MEO M9, Beidou 3 MEO M10	100
??	Ariane 5 ECA	GEO-KOMPSAT-2A	
??	Falcon 9	Telkom 4	
??	Angara A5/ Briz-M	Kosmos	
Aug16.	H-2B (F7)	HTV7	
Aug21.	Vega (VV12)	Aeolus / ADM	
Aug30.	Falcon 9 (SPx-DM1)	Dragon v2 unmanned test	
Aug??	CZ-3C	Beidou 2 I7	
Aug??	CZ-11	OKW-2	
Aug??	Falcon 9	Iridium Next Flight 8 (x10)	
??	PSLV C42	??	
??	Rokot / Briz KM Rodnik		



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Sep12.	1246UTC	Delta II 7320-10C	ICESat-II	
Sep19.	0047UTC	Soyuz ST B/Fregat-M	MetOp-C	
Sep26.		Delta 4-H	NROL-71	
Sep??		Proton-M/ DM-03	Glonass K	
Sep??		Falcon 9	GPS III-1	
Sep??		CZ-2C	CFOSAT (China-France Oceanography SATellite)	
Sep??		Falcon 9	SAOCAM-1A, ITASAT-1	
??		Ariane 5 ECA	Eutelsat 7C	
??		Falcon 9	OHB SARah satellite (x2)	80
??		Ariane 5 ECA	Hellas-Sat-4	
??		Proton-M/Briz-M	EutelSat 5 West B / MEV	
??		H-2A	GOSAT-2	
Oct05.		Ariane 5	BepiColombo ESA and ISAS Mercury Orbiters	
Oct11.		Soyuz-2	Progress MS 10	
Oct18.		Atlas 5 (531) (AV073)	AEHF-4	
Oct22.		Proton-M/Briz-M	Elektro L – 3	
Oct??		Soyuz-2 1A	Soyuz MS 10 (S57/58)	
CDR: Алексей Николаевич Овчинин (Aleksei Nikolaevich Ovchinin), Tyler Hague				
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	
??		Ariane 5	Horizon 3e	
??		Falcon H	Arabsat 6A	
Nov08.		Antares 230	Cygnus Orb-10E	
Nov18.		Falcon 9 FT	Dragon SpX-16	
Nov27.		Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	
Nov??		Vega	Prisma	
Launch site: Kourou , French Guiana				
Nov??		Delta IV -M (5,4)	WGS 10	
Nov??		CZ-5 Y3	SJ-18 02 (DFH-5 platform)	60
Nov??		Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
??		Epsilon (4)	Inovative Technology Demonstration Satellite – 1, OrigamiSat-1	
Launch site: Tanegashima , Japan				



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??	Minotaur 1	NROL 111
??	Falcon 9	Spaceflight GTO.C
??	CZ-2D	GF-7 Gaofen-7
??	CZ-3B/E	Apstar-6D
??	Falcon 9	PSN VI

Dec13. [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)
CDR: Олѣг Дмїтриевич Кононѣнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques

Dec31. [Falcon 9 \(SPx-DM2\)](#) [Dragon v2](#)
CDR: Eric Boe, Sunita Williams

Dec??	CZ-3B/GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)
Dec??	??	Korean Pathfinder Lunar Orbiter
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
Dec??	Soyuz-2-1B / Fregat -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4

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

??	Falcon 9	Es'hail 2
??	Soyuz-2 1B / Fregat -M	Tundra 3 40
??	Soyuz-2 1B / Fregat -M	Tundra 4
??	Soyuz-2 1B / Fregat -M	Neutron (Kosmos)

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

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

??	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)



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?? CZ FY-3E Fengyun-3E 20
 ?? 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](#)

?? 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

?? [GSLV](#) MK II F12 GSAT-7A
 ?? [PSLV](#) Cartosat-3

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

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

?? [Unha-3](#) Kwangmyŏngsŏng-5

8 + 21
 38 + 139

2019.

Jan?? [Proton-M/Briz-M](#) Ямал-601

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

Feb01. [Falcon 9](#) [Dragon SpX-17](#)

Feb06. [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



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?? [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.

Apr?? [Soyuz-2](#) 1A [Soyuz MS](#) 12 (S59/60)
 CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Андрѐй Николаѐвич **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

Aug?? [Soyuz ST](#) B/[Fregat](#)-MT EarthCare
 Aug?? [Soyuz-2](#) [Progress MS](#) 13 **80**
 Aug?? [Proton-M](#) MLM

?? [Delta IV](#) GPS IIIA-3

Oct?? Soyuz 2-1A [Soyuz MS](#) 14 (S61/62)
 CDR: **Борисенко** (Andrei Borisenko), **Чуб**,(Nikolai Chub), Christina **Koch**



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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??	Atlas 5 552	Dream Chaser Cargo System SNC-1
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)

??	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/Briz-M](#) Ямал-501
 ?? [Proton-M/Briz-M](#) EutelSat
 ?? [Proton-M/Briz-M](#) IntelSat



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??	Soyuz-2-1B/Fregat M	Meridian 19L	
??	Soyuz-2-	Razdan 1	
??	Angara 1.2	Kosmos	
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/Briz-M	Blagovest 13	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M	PTK NP	
??	Soyuz-2-1B	Obzor R -1	
??	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 №4	
??	Soyuz-2-1B/Fregat -M	Kondor-FKA n.º 1	
??	Proton-M/Briz-M	Ekspress AMU 3 / Ekspress AMU 7	
??	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



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Feb05.	Atlas 5	Solar Orbiter (SoI0) (ESA)
Feb??	H-2B (F10)	HTV9
Feb??	Soyuz-2	Progress MS 14
Mar??	Delta IV-M	DMSP-5D3 F20
Mar??	Soyuz-2-1B/Fregat-M	Glonass K1 / 22
Mar?? satellite))	Atlas 5 551	AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))
??	CZ-5	Tian He Space Station Core Module
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??	Falcon 9 FT	Dragon SpX-21
??	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??	Soyuz-2	Progress MS 15
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	
Sep??	CZ	CBERS-6
Sep??	Soyuz-2-1B/Fregat-M	Glonass K2 / 15



Blog Gorana Hudeca

??	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 16
Nov??	Soyuz 2-1A	Soyuz MS 16 (S63/64)

Dec15. [Atlas 5](#) **Landsat 9**

?? 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
??	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



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??	Vega	Sentinel-2C
??	Vega	Sentinel-3C
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	Ariane 5	Arsat 3
??	CZ-5	Chang'e-6
??	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

?? [Soyuz-2](#) [Progress MS 17](#)

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 18](#)

?? 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](#)



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Sep??	Soyuz ST B/ Fregat -MT	MetOp-SG A1/EPS-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
??	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 19	
??	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](#) 20

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

?? CZ7 TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)



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??	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 Cis lunar) Mission)	
June??	Ariane 5	ECA	JUICE (JUperiter ICy moon Explorer)
June??	Ariane 5		MTG-I2
??	Sunkar	??	
??	Soyuz-2	Progress MS	21
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	22
??	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	23
Mar30.	Soyuz-2-1A	Soyuz MS	21
??	CZ7		TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G		SZ-16 Shenzhou-16



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- May?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-10 (US Commercial Vehicles)
- ?? [Soyuz-2](#) [Progress MS](#) 24
- Sep30.** [Soyuz-2-1A](#) [Soyuz MS](#) 22
- ?? [Soyuz-2](#) [Progress MS](#) 25
- Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-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](#) USCVC-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)



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?? [Soyuz-2](#) [Progress MS](#) 26
 ?? [Soyuz-2](#) [Progress MS](#) 27
 ?? [Soyuz-2](#) [Progress MS](#) 28

?? [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
 ?? [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

?? [Soyuz-2](#) [Progress MS](#) 29

?? 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 (*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)



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2069.

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[Interstellar mission](#)