



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (28.8.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 28.Aug.2018.

Sep09. 0323UTC [Falcon 9](#) [Telstar 18](#)

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

Sep10. 2156UTC [Ariane 5 ECA \(VA243\)](#) [Azerspace 2 \(Intelsat 38\) / Horizon 3e](#)

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

Sep10. 2232UTC [H-2B \(F7\)](#) [HTV7](#)

Launch site: [Tanegashima](#), Japan

Sep15. 1246UTC [Delta II 7320-10C](#) [ICESat-II](#)

Launch site: [Vandenberg](#), USA

Sep15. [PSLV C42](#) [SSTL-S1 & NovaSAR-S](#)

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

Sep20. [KZ-1A Y08](#) [CentiSpace-1 S1](#)

Sep26. [Delta 4-H](#) [NROL-71 KH11 17 \(Cristal 17\)](#)

Launch site: [Vandenberg](#), USA

80

Sep30. [CZ-3B/YZ-1](#) [Beidou 3 MEO M11, Beidou 3 MEO M12](#)

Sep?? [CZ-4B](#) [Haiyang-1C](#) HY-1C

Launch site: [Taiyuan](#), China

Sep?? [CZ-11](#) CAS-6

?? [Rokot / Briz KMGeo IK 2](#) 13L

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

Oct06. 0800UTC [Pegasus-XL](#) [ICON \(Helio EX-1\)](#)

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

Oct07. [Falcon 9](#) [SAOCAM-1A](#)

Launch site: [Vandenberg](#), USA

Oct11. 0840UTC [Soyuz-2 1A](#) [Soyuz MS 10 \(S57/58\)](#)

CDR: Алексей Николаевич **Овчинин** (Aleksei Nikolaevich **Ovchinin**), Tyler Hague

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

Oct14. [Zhuque-1 \(ZQ-1\)](#) [CCTV Future 1](#)

Oct18. 0307UTC [Atlas 5 \(551\) \(AV073\)](#) [AEHF-4](#)

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

Oct19. 0145UTC [Ariane 5 ECA \(VA245\)](#) [BepiColombo](#) ESA and ISAS Mercury Orbiters

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



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- Oct22.** [Proton-M/Briz-M](#) **Elektro L – 3**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Oct29. 0408UTC** [H-2A](#) (F40) **GOSAT-2**
Launch site: [Tanegashima](#), Japan
- Oct29.** [CZ-2C](#) **CFOSAT (China-France Oceanography SATellite)**
- 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?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M](#) 60
Oct?? [GSLV](#) MK III D2 GSAT-29
Oct?? [CZ-3B/YZ-1](#) Beidou 3 MEO M13, Beidou 3 MEO M14
Oct?? CZ-4B HY-2B Haiyang-2B
- ?? [Falcon 9](#) [Iridium Next](#) Flight 8 (x10) 60
Launch site: [Vandenberg](#), USA
- Nov07.** **0047UTC** [Soyuz ST B/Fregat-M VS19](#) **MetOp-C**
- Nov21.** [Antares 230](#) [Cygnus Orb-10E](#)
- Nov29.** [Falcon 9 FT](#) [Dragon SpX-16](#)
- Nov30.** [Ariane 5](#) [GSAT-11](#)
- Nov?? [Falcon 9](#) Radarsat C-1, -2, C-3
Launch site: [Vandenberg](#), USA
- Nov?? [Electron](#) Outernet 1, Lemur
Launch site: [Kaitorete Spit](#), New Zeland
- Nov?? [Falcon 9](#) Spaceflight SSO-A
Launch site: [Vandenberg](#), USA
- Nov?? [Soyuz-2-1B](#) EgyptSat A
Nov?? [Ariane 5](#) ECA Hellas-Sat-4
Nov?? [Falcon 9](#) (SPx-DM1) Dragon v2 unmanned test
Nov?? [Falcon 9](#) Es'hail 2
Nov?? [PSLV](#) C43 Cartosat-3
Nov?? [CZ-3B/YZ-1](#) Beidou 3 MEO M15, Beidou 3 MEO M16
- ?? [Epsilon](#) (4) Inovative Technology Demonstration Satellite – 1, OrigamiSat-1
Launch site: [Tanegashima](#), Japan
- ?? [Ariane 5](#) ECA GEO-KOMPSAT-2A (GK2A, Cheollian 2A)
- Dec06.** [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-2, Ionosfera 3, Ionosfera 4**
- Dec14.** [Soyuz ST B/Fregat-MT \(VS20\)](#) **Cosmo-SkyMed Secon Gen 1** **CSG-1**
- Dec15.** [Ariane 5](#) **GSAT-31**



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Dec20. 0452UTC [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)

CDR: Олѐг Дмїтриевич Кононѐнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques

Dec22. [Proton-M/Briz-M](#) **Blagovest 13** 40

Dec26. [Soyuz-2 1A](#) / [Fregat Kanopus V 5](#), [Kanopus V 6](#)

Dec?? [Vega](#) (VV13) [Prisma](#)
Launch site: [Kourou](#), French Guiana

Dec?? [Electron](#) ELaNa XIX
Launch site: [Kaitorete Spit](#), New Zeland

Dec?? [CZ-3B/GIII](#) Chang'e-4 (Moon far side Aitken Basin lander/rover)
Dec?? [Soyuz-2-1B/Fregat M](#) Meridian 18L
Dec?? [Soyuz-2-1B/ Fregat-M](#) Glonass K 15
Dec?? Minotaur 1 NROL 111
Dec?? [Falcon Heavy](#) STP-02
Dec?? [Falcon 9](#) GPS III-1
Dec?? [PSLV](#) C44 RISAT 1A

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

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

?? Minotaur-4 FORMOSAT-7 (6 sat)
?? [Atlas 5](#) AEHF 5
?? [Falcon 9](#) OHB SARah satellite (x2)

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

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

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

?? [CZ-2D](#) GF-7 Gaofen-7 20
?? CZ?? Tianzhi-1
?? [CZ-11](#) LOVEcho
?? [CZ-11](#) Fengtai Shaonian-02
?? [CZ-2D](#) NuSat 6, 7, 8
?? [CZ-2D](#) SaudiSAT 5B

?? KZ-1A Jilin 1-09
?? KZ-1A Jilin 1-10
?? KZ-1A Jilin 1-11
?? KZ-1A Jilin 1-12

?? KZ-11 Xiaoxiang-4

?? [CZ-3C](#) Tianlian-2 TL-2
?? [CZ-3C](#) [Beidou 3](#) G8



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??	CZ-4B	ZY-3 Ziyuan-3
??	CZ-4B	HY-1D Haiyang-1D
??	CZ-2D	Jilin-2 JL-2
??	CZ-2D	Jilin-3 JL-3
??	CZ	Huaizong-1
??	CZ	YG-32 Yaogan Weixing 32

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

15 + 12
 67 + 86

2019.

Jan??	Falcon H	Arabsat 6A
Jan??	CZ-5 Y3	SJ-18 02 (DFH-5 platform)
Jan??	Delta IV-M (5,4)	WGS 10

?? [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test)

??	Falcon 9	PSN VI
??	Soyuz ST B/ Fregat -MT	CHEOPS (Characterising ExOPlanet Satellite)
??	CZ-11	Zhuhai-1 Group-3

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

Feb??	CZ-3C	Beidou 3 I1Q
Feb??	Atlas 5 551 (AV-086)	AEHF-6
Feb??	Proton-M/Briz-M	Ямал-601

?? [Soyuz-2-1B](#) Arktika M 1
 Launch site: Восточный (Vostochniy), Cosmodrome, Russia 120

?? [GSLV](#) Mk II D9 Chandrayaan 2
 Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

?? [Vega](#) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)

??	CZ-3B/E	Apstar-6D
??	Ariane 5 ECA	Eutelsat 7C
??	Electron	Outernet 2,3
??	GSLV MK II F12	GSAT-7A

Mar??	Falcon 9	GPS IIIA-2
Mar??	Falcon 9	Dragon SpX-17
Mar??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x10)
Mar??	Proton-M/Briz-M	EutelSat 5 West B / MEV

??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Soyuz-2-1B/Fregat	Glonass K2 / 13
??	CZ-3C	Beidou 3 G1Q
??	CZ-3B/YZ-1	Beidou 3 MEO M17, Beidou 3 MEO M18
??	CZ-3B/YZ-1	ZX-6C Zhongxing-6C

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



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CDR: Олѐг Ивáнович **Скрíпочка**, (Oleg Ivanovich **Skripotscka**), Christina Hammock **Koch**, UAE astronaut

Apr11. [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.

Apr17. [Antares 230](#) [Cygnus OA-11](#)

Apr?? [Falcon 9](#) (SPx-DM2) Dragon v2

CDR: Robert **Benkhen**, Doug **Hurley**

Apr??	??	GOES-T	
Apr??	CZ-3B/E	Nicasat 1	
Apr??	CZ-3C	Beidou 3 I2Q	100
Apr??	Soyuz-2	Progress MS 12	

May07. [Falcon 9 FT](#) [Dragon SpX-18](#)

May??	CZ	CBERS-4A
May??	Ariane 5 ECA	EDRS-C (Hylas 3)

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

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

??	CZ-3B/G2	TECSTAR 1
??	SSLV	??
??	Soyuz ST B/Fregat-MT	O3b (FM17-20)
??	GSLV MK II F10	GISAT
??	Ariane 5	Inmarsat-5 F5
??	Ariane 5 ECA	Eutelsat Quantum
??	Soyuz ST B/Fregat-MT	CSO 1 (Composante Spatiale Optique-1)
??	Ariane 5 ECA	Intelsat 39

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

?? [Atlas 5](#) 422 (AV082) CST-100 Starliner
CDR: Eric **Boe**, Chris **Ferguson**, Nicole Aunapu **Mann**

Aug28. [Soyuz-2 1A](#) [Soyuz GVK](#) 80

Aug?? [Soyuz ST](#) B/Fregat-MT EarthCare

?? [Falcon 9](#) Dragon v2 (USCV-1)

Cdr: Victor **Glover**, Mike **Hopkins**

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

Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1



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Late - inaugural flight - Vega-C - Kourou ZLV

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

?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2)
 Cdr: John **Cassada**, Sunita **Williams**

?? [Ariane 5](#) JCSat 17
 ?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B

Nov08.

[Proton-M](#)

MLM

?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass K2 / 14
 ?? [Proton-M](#)/[Briz-M](#) Blagovest 14
 ?? [Falcon 9](#) GPS IIIA-4
 ?? [Vega](#) Seosat (Ingenio)
 ?? [Vega](#) - C ??

Dec?? [CZ-3B](#)/YZ-1 Beidou 3 MEO M21, Beidou 3 MEO M22 60
 Dec?? [Proton-M](#)/[Briz-M](#) Ekspress 80, Ekspress 103
 Dec?? [Soyuz-2](#) 1B /[Fregat](#)-M CAS500-1

?? [Atlas 5](#) 551 AFSPC-7 (X-37B OTV 6)

?? [Falcon 9](#) Astrium active SARah satellite
 ?? [Atlas 5](#) 551 Asteroid Retrieval Spacecraft (ARS)
 ?? ?? EX-3
 ?? [Falcon 9](#) GiSat-1

?? [Ariane 5](#) ECA Eutelsat BB4A (African Broadband Satellite)
 ?? [Ariane 5](#) ECA Star One D2

?? [Vega](#) OpSis
 ?? [Vega](#) Falcon Eye 1
 ?? [Vega](#) Falcon Eye 2

?? [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



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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	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-03	Glonass-M	
??	Soyuz-2-1B	Arktika	20
??	Soyuz-2 1B / Fregat -M	Resurs №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	
??	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)	
??	CZ-2D	SJ-12 Shijian-12 (2)	
??	CZ-2D	TH-2 Tianhui-2	
??	CZ-2C	CSES-1 Earthquake electromagnetism monitor satellite	20
??	??	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	
??	CZ	FY-3E Fengyun-3E	
??	CZ	FY-4B Fengyun-4B	
??	CZ-??	CAS-4A, CAS-4B	

Launch site: [Taiyuan](#), China



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?? CZ Orbita-1 1

?? [GSLV](#) MK II F11 GSAT-10A
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

?? [PSLV](#) ScatSat, NovaSAR

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

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2020.

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

Feb05. [Atlas 5](#) [Solar Orbiter \(SoI0\) \(ESA\)](#)

Feb?? H-2B (F10) HTV9
Feb?? [Soyuz-2](#) [Progress MS](#) 13

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

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

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

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

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vechile)
?? CZ-2F/G SZ-12 Shenzhou-12
?? [Vega](#) CCERES (x3)

May?? Soyuz 2-1A [Soyuz MS](#) 15 (S62/63)
CDR: **Рыжиков** (Sergei Ryshikov), Jessica **Meir** (NASA), Soichi **Noguchi** (JAXA)

May?? [Soyuz-2](#) 1B Progress M-UM

?? [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 5](#) MTG-S1/Sentinel-4A
June?? [CZ-3C](#) Beidou 3 G3Q



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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.

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 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
 ?? [Ariane 5](#) ViaSat 3 EMEA

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
 ?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

Nov?? [Soyuz-2](#) [Progress MS](#) 15
 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
 ?? ?? HypsIRI
 ?? 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)



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??	Proton-M	НЭМ-1
??	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-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
??	Ariane 5	Arsat 3
??	Ariane 5	ViaSat-3 Asia
??	Ariane 5 ECA	EDRS-D
??	??	Seosat-Ingenio-2
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Vega C Cosmo-SkyMed Secon Gen 2	CSG-2
??	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



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- ?? [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.

Feb?? [Soyuz-2](#) [Progress MS 16](#)

Mar30. [Soyuz-2-1A](#) [Soyuz MS 17](#)
 Cdr: xx, Akihiko **Hoshide**, xx

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

?? [CZ-5 B](#) Wentian Lab module Space station module

May?? [Atlas 5 402 / Falcon 9](#) USCV-5 (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
- ?? Ariane 62 Galileo-FOC FM25, Galileo-FOC FM26

July?? Vulcan/Minotaur 6/[Falcon 9](#) v1.1 JPSS-2

July?? [Vega C](#) Biomass

Sep30. [Soyuz-2-1A](#) [Soyuz MS 18](#)

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-6 (US Commercial Vehicles)

?? [Ariane 5](#) MTG-I1

?? [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-2-1B/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



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??	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
??	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)
??	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 19

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)
??	CZ-5 B	Mengtian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15

May?? [Atlas 5 402 / Falcon 9](#) USCVC-7 (US Commercial Vehicles)

May20. [Ariane 5ECA](#) **JUICE (JU)piter (IC)y moon Explorer)**

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

Sep30. [Soyuz-2-1A](#) [Soyuz MS 20](#)

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



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Dec??	Soyuz ST B/ Fregat -MT MetOp-SG B1	
Dec??	Vega C	FLEX (Fluorescence Explorer satellite)
??	Sunkar Federatsia (unmaned)	
??	Soyuz-2	Progress MS 21
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)
??	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
??	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
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16
May??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
??	Soyuz-2	Progress MS 23
??	Ariane 5	MTG-S2/Sentinel-4A
Sep30.	Soyuz-2-1A	Soyuz MS 22
??	Soyuz-2	Progress MS 24
Nov??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
??	Sunkar Federatsia (unmaned flight to ISS)	



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?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.

?? [Soyuz-2](#) 1b Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover

?? [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

?? [Vega](#) C Space Rider 4

?? [Soyuz ST](#) B/[Fregat](#)-MT Sentinel-1C

?? 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-11 (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

?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 4

?? [Angara](#) 1.2 [Gonets](#) x 2, Gonara M



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??	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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