



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (17.10.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **17.Oct.2018**.

- Oct17. 0415UTC [Atlas 5 \(551\) \(AV073\)](#) [AEHF-4](#)**
Launch site: [Cape Canaveral](#), USA
- Oct20. 0145UTC [Ariane 5](#) ECA (VA245) [BepiColombo](#) ESA and ISAS Mercury Orbiters**
Launch site: [Kourou](#), French Guiana **60**
- Oct26. 0700UTC [Pegasus-XL](#) [ICON \(Helio EX-1\)](#)**
Launch site: [Cape Canaveral](#), USA
- Oct27. [Zhuque-1 \(ZQ-1\)](#) [CCTV Weilai-1 \(Future 1\)](#)**
Launch site: [Wenchang](#), China
- Oct29. 0408UTC [H-2A \(F40\)](#) [GOSAT-2](#)**
Launch site: [Tanegashima](#), Japan
- Oct29. [CZ-2C](#) [CFOSAT \(China-France Oceanography SATellite\)](#)**
Launch site: [Jiuquan](#), China
- Oct?? [CZ-4B](#) [HY-2B Haiyang-2B](#)
- ??Nov03. [Soyuz-2-1B/Fregat-M](#) [Glonass-M](#) 57**
Launch site: [Плесецк \(Plesetsk\) Cosmodrome, Russia](#)
- ??Nov07. 0048UTC [Soyuz ST B/Fregat-M VS19](#) [MetOp-C](#)**
Launch site: [Kourou](#), French Guiana
- Nov15. 0949UTC [Antares](#) 230 [Cygnum](#) Orb-10E**
- Nov17. [LauncherOne](#) [Test Launch](#)**
- Nov19. [Falcon 9](#) [Spaceflight SSO-A](#)**
Launch site: [Vandenberg](#), USA
- Nov20. [Vega \(VV13\)](#) [MN35-13 B Morocco EO Sat 1 2](#)**
Launch site: [Kourou](#), French Guiana
- Nov20. [CZ-3B/YZ-1](#) [Beidou 3 G8](#)**
- Nov22. [PSLV](#) C43 [HySIS](#)**
- Nov25. [KZ-1A](#) [Jilin 1-09](#)**
- Nov27. 1119UTC [Falcon 9](#) FT [Dragon](#) SpX-16**
- Nov?? [Electron](#) [Outernet 1, Lemur](#)
Launch site: [Kaitorete Spit, New Zeland](#)
- Nov?? [Soyuz-2](#) 1A [Progress MS](#) 10**



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

Nov?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M17, [Beidou 3](#) MEO M18
Launch site: [Xichang](#), China

Nov?? [CZ-2D](#) Jiading-1
Nov?? [GSLV](#) MK III D2 GSAT-29 40
Nov?? [Falcon 9](#) Es'hail 2
Nov?? [CZ-11](#) Lingque 1,2
Nov?? [CZ-2D](#) SaudiSAT 5B

Dec03. [Delta 4-H](#) **NROL-71 KH11 17 (Cristal 17)**
Launch site: [Vandenberg](#), USA

Dec04. [Ariane 5](#) VA246 **GSAT-11 / GEO-KOMPSAT-2A (GK2A, Cheollian 2A)** Launch site: [Kourou](#), French Guiana

??Dec05. [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)
CDR: Олэг Дмїтриевич Кононєнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques

Dec08. [CZ-3B/GIII](#) **Chang'e-4 (Moon far side Aitken Basin lander/rover)**

Dec15. 0408UTC [Falcon 9](#) **GPS III-1**

Dec15. [CZ-4B](#) **ZY-2D Ziyuan-2D**

Dec17. [Soyuz ST B/Fregat](#)-MT (VS20) **CSO 1 (Composante Spatiale Optique-1)**
Launch site: [Kourou](#), French Guiana

Dec23. 1208UTC [Soyuz-2 1B /Fregat](#)-M **Neutron (Kosmos)**

Dec29. **CZ-4C** ??

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

Dec?? [Falcon 9](#) [Iridium Next](#) Flight 8 (x10)
Launch site: [Vandenberg](#), USA

Dec?? [PSLV](#) C44 EMIsat
Dec?? [CZ-2D](#) GF-7 Gaofen-7
Dec?? [CZ-11](#) CAS-6

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

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

?? [Soyuz-2-1B/Fregat](#)-M Lotos S1
Launch site: Плєсецк ([Plesetsk](#)) Cosmodrome, Russia 20

?? [Soyuz-2-1B/Fregat](#)-M Meteor M-2-2, Ionosfera 3, Ionosfera 4
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia



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??	Minotaur-4	FORMOSAT-7 (6 sat)	
??	Soyuz-2 1A / Fregat	Kanopus V 5, Kanopus V 6	
??	Soyuz-2 -1B	EgyptSat A	
??	CZ-??	CAS-5A, CAS-5B	
Launch site: Jiuquan , China			
??	??	Taurus-1	
Launch site: Taiyuan , China			
??	CZ??	Tianzhi-1	
??	CZ-11	LOVEcho	
??	CZ-11	Fengtai Shaonian-02	
??	CZ-2D	NuSat 6, 7, 8	
??	KZ-1A	Jilin 1-10	
??	KZ-1A	Jilin 1-11	
??	KZ-1A	Jilin 1-12	
??	KZ-11	Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing	
??	CZ-3C	Tianlian-2 TL-2	
??	CZ-2D	Jilin-2 JL-2	
??	CZ-2D	Jilin-3 JL-3	
??	CZ	Huaizong-1	
??	Simorgh	Dosti	
Launch site: Semnan , Iran			

17 + 5
78 + 62

2019.

Jan23.	Delta IV-M (5,4)	WGS 10	
Jan30.	GSLV Mk II D9	Chandrayaan 2	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
Jan??	CZ-5 Y3	SJ-18 02 (DFH-5 platform)	
Jan??	PSLV C45	RISAT-2B	160
Jan??	Falcon H	Arabsat 6A	
??	Epsilon (4)	Inovative Technology Demonstration Satellite – 1, OrigamiSat-1	
Launch site: Tanegashima , Japan			
??	Falcon 9	PSN VI	
??	Soyuz ST B/ Fregat -MT	CHEOPS (Characterising ExOPlanet Satellite)	
??	CZ-11	Zhuhai-1 Group-3	
??	Ariane 5 ECA	Hellas-Sat-4	
??	Ariane 5 ECA	GSAT 31	
??	Falcon 9 (SPx-DM1)	Dragon v2 unmanned test	



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Feb08. 0920UTC [Soyuz-2](#) [Progress MS 11](#)

Feb17. [Falcon 9](#) [Dragon SpX-17](#)

Feb?? [Vega](#) (VV14) [Prisma](#)
Launch site: [Kourou](#), French Guiana

Feb?? [CZ-3C](#) [Beidou 3](#) I1Q
Feb?? [Atlas 5](#) 551 (AV-086) AEHF-6
Feb?? [Proton-M/Briz-M](#) Ямал-601
Feb?? [PSLV](#) C46 Cartosat 3
Feb?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x10)

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

?? [Vega](#) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)
?? [CZ-3B/E](#) Apstar-6D
?? [Ariane 5](#) ECA Eutelsat 7C 140
?? [Electron](#) Outernet 2,3
?? [GSLV](#) MK II F12 GSAT-7A
?? [Soyuz-2](#)-1B/[Fregat](#) M Meridian 18L

Mar?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV
Mar?? [PSLV](#) C47 RISAT-2BR1
Mar?? [Falcon Heavy](#) STP-02
Mar?? 1900UTC [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test)

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

?? [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
?? [Proton-M/Briz-M](#) Blagovest 13

Apr04. [Delta IV](#) **GPS IIIA-2**

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

CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Christina **Hammock Koch**, Hazza Al **Mansouri**/Sultan Al **Nayadi**

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?? ?? GOES-T
Apr?? [CZ-3B/E](#) Nicasat 1 120
Apr?? [CZ-3C](#) [Beidou 3](#) I2Q

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



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May??	CZ	CBERS-4A
May??	Ariane 5 ECA	EDRS-C (Hylas 3)
June05.		
	Soyuz-2	Progress MS 12
June??	Falcon 9 (SPx-DM2)	Dragon v2
CDR: Robert Benkhen , Doug Hurley		
June??	CZ-5 B	Test flight
June??	Falcon 9	SAOCAM-1B, SAOCAM-1C
??	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	Cosmo-SkyMed Secon Gen 1 CSG-1
??	Ariane 5 ECA	Intelsat 39
??	Soyuz-2 -1B/ Fregat -M	Glonass K 15
??	Minotaur 1	NROL 111
??	Atlas 5	AEHF 5

July23.		
	Soyuz FG	Soyuz MS 13 (S60/61)
CDR: Александр Александрович Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA) 100		
July??	CZ-3C	Beidou 3 I3Q
July??	H-2B (F9)	HTV8
July??	Atlas 5 551	STP-03

Aug??	Atlas 5 422 (AV082)	CST-100 Starliner
CDR: Eric Boe , Chris Ferguson , Nicole Aunapu Mann		
Aug??	Zenit 3 SL / Fregat -SB	Lybid'
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan		

Aug??	Falcon 9	Dragon v2 (USCV-1)
Cdr: Victor Glover , Mike Hopkins		

Aug??	Soyuz ST B/ Fregat -MT	EarthCare
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Sep04.		
	Soyuz-2 1A	Soyuz 14 GVK
Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1

Late - inaugural flight - Vega-C - Kourou ZLV

Oct08.		
	Soyuz-2-1A	Soyuz MS 15 (S61/62)
CDR : Николай Владимирович Тихонов (Nikolai Tikhonov), Андрей Николаевич Бабкин (Andrei Babkin), Cassidy		

Oct??	Proton-M/Briz-M	Elektro L – 3
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan		

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)



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Oct??	Soyuz-2 1B / Fregat -M	Resurs №5	
Oct??	Falcon 9 FT	Dragon SpX-19	
Oct??	Falcon 9	GPS IIIA-3	
??	Ariane 5	JCSat 17	
??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B	
Nov08.	Proton-M	MLM	80
??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 14	
??	Proton-M / Briz-M	Blagovest 14	
??	Falcon 9	GPS IIIA-4	
??	Vega	Seosat (Ingenio)	
??	Vega - C	??	
Dec04.	Soyuz-2	Progress MS 13	
Dec??	CZ-3B /YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
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 3x SARah satellite	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	Falcon 9	GiSat-1	
??	Falcon 9	OHB SARah satellite (x2)	
??	Ariane 5 ECA	Eutelsat BB4A (African Broadband Satellite)	
??	Ariane 5 ECA	Star One D2	
??	Ariane 5	GSAT-30	
??	Vega	OpSis	
??	Vega	Falcon Eye 1	60
??	Vega	Falcon Eye 2	
??	Proton-M / Briz-M	SkyTerra 2	
??	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	
??	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	
??	Angara A5/ Briz-M	Kosmos (Repei)	
??	Proton-M / Briz-M	Kosmos	



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??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M	PTK NP	
??	Soyuz-2-1B	Obzor R -1	40
??	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	
??	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	
??	Rokot / Briz KMGeo IK 2	13L	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	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-2C	HY-1D Haiyang-1D	
??	CZ	Sun Fixed-Point Observation	
??	CZ-4B	HY-2C Haiyang-2C	
??	CZ	CBERS-SAR 1	20
??	??	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	
??	??	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			
??	CZ	Orbita-1 1	



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?? [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 \(Solo\)](#) (ESA)

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

Feb?? H-2B (F10) HTV9

?? [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

Apr15. **Soyuz 2-1A** [Soyuz MS 16 \(S62/63\)](#)
CDR: **Рыжиков** (Sergei Ryshikov), Thomas **Marshburn** (NASA), Soichi **Noguchi** (JAXA)

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

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

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
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**



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- 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-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](#) USCV-3 (US Commercial Vehicles)
 CDR: ??(NASA), ??(NASA), ??(RF)
- 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
- Oct21.** **Soyuz 2-1A** [Soyuz MS 17 \(S63/64\)](#)
 CDR: **Иванишин (Ivanishin), Вагнер (Vagner), Bowen**
- Oct?? Vega Proba 3
- Nov?? [Soyuz-2](#) [Progress MS](#) 15
- 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)
- ?? [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



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??	Soyuz-2-1B/Fregat	Glonass M / 59
??	Proton-M/ DM-03	Glonass-M/K18,K19,K20
??	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
??	PSLV	EnMap
??	PSLV XL	Aditya'
??	H-IIA	Hope (UAE mission to Mars)
??	H-IIA	Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)



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?? H-IIA Inmarsat-6 F1

2021.

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

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

Mar30. [Soyuz-2-1A](#) [Soyuz MS 18](#)

Cdr: xx, Akihiko **Hoshide**, xx

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

?? [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.

?? 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

July?? [Soyuz-2](#) 1a / [Fregat](#) Luna 25 (Luna-Glob-1)

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

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)

Dec?? [Vega](#) C KOMPSAT 7

?? [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

?? [Proton-M/Briz-M](#) Ekspress AMU 4

?? [Soyuz-2](#)-1B/[Fregat](#)-M Smotr R №1

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



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??	Proton-M/Briz-M	Elektro L - 4
??	Soyuz-2-1B/Fregat-M	Arktika M 2
??	Proton-M/ DM-03	Glonass-M/K21,K22,K23
??	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)
??	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
Feb??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
??	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

May20. [Ariane 5ECA](#) [JUICE \(JU\)piter \(JU\)piter ICy moon Explorer\)](#)

June04. [SLS Block I](#) [Orion: Exploration Mission 2 \(Crew to Cislunar\) Mission\)](#)

June??	Ariane 5	MTG-I2
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??	Sunkar ??	
??	Soyuz-2	Progress MS 20

Aug??	H2B	Phobos sample return
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Aug??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)
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Sep30. [Soyuz-2-1A](#) [Soyuz MS 20](#)



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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
??	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
Feb??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
Mar30.	Soyuz-2-1A	Soyuz MS 21
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16
??	Soyuz-2	Progress MS 23
??	Ariane 5	MTG-S2/Sentinel-4A
Aug??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
Sep30.	Soyuz-2-1A	Soyuz MS 22
??	Soyuz-2	Progress MS 24
??	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**
- Feb?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-10 (US Commercial Vehicles)
- Mar30.** [Soyuz-2-1A](#) [Soyuz MS 23](#)
- ?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
- Aug?? [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



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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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