



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (30.7.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 30.July.2018.

July31. 0305UTC	CZ-4C	Gaofen-11 (?)
Launch site: Taiyuan , China		
July??	Soyuz-2 1A	Bars-M 3
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia		100
Aug04. 0519UTC	Falcon 9	Telkom 4
Launch site: Cape Canaveral , USA		
Aug11. 0748UTC	Delta 4-H	Parker Solar Probe
Launch site: Cape Canaveral , USA		
Aug18. 0335UTC	Falcon 9	Telstar 18
Launch site: Cape Canaveral , USA		
Aug21. 2120UTC	Vega (VV12)	Aeolus / ADM
Launch site: Kourou , French Guiana		
Aug??	CZ-11	OKW-2
??	Rokot / Briz KMGeo IK 2 13L	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia		
??	Electron	Outernet 1, Lemur
Launch site: Kaitorete Spit , New Zeland		
??	KZ-11	Xiaoxiang-4
Sep05. 2120UTC	Ariane 5 ECA (VA243)	Azerspace 2 (Intelsat 38) / Horizon 3e
Launch site: Kourou , French Guiana		
Sep05.	Falcon 9	SAOCAM-1A, ITASAT-1
Launch site: Vandenberg , USA		
Sep10. 2232UTC	H-2B (F7)	HTV7
Sep12. 1246UTC	Delta II 7320-10C	ICESat-II
Launch site: Vandenberg , USA		
??Sep16.	Falcon 9 (SPx-DM1)	Dragon v2 unmanned test
Sep24. 0800UTC	Pegasus-XL	ICON (Helio EX-1)
Launch site: Cape Canaveral , USA		
Sep26.	Delta 4-H	NROL-71 KH11 17 (Cristal 17)
Launch site: Vandenberg , USA		
Sep??	CZ-11	CAS-6
Sep??	Falcon 9	Es'hail 2



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Sep??	PSLV C42	SSTL-S1 & NovaSAR-S	
??	Electron ELaNa XIX		
	Launch site: Kaitorete Spit , New Zeland		
??	CZ-3B /YZ-1	Beidou 3 MEO M9, Beidou 3 MEO M10	80
??	KZ-1A	Jilin 1-09	
??	KZ-1A	Jilin 1-10	
??	KZ-1A	Jilin 1-11	
??	KZ-1A	Jilin 1-12	
Oct01.	H-2A (F40)	GOSAT-2	
Oct04.	Atlas 5 (551) (AV073)	AEHF-4	
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		
Oct19. 0145UTC	Ariane 5 ECA (VA245)	BepiColombo ESA and ISAS Mercury Orbiters	
	Launch site: Kourou , French Guiana		
Oct22.	Proton-M/Briz-M	Elektro L – 3	
	Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan		
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??	Falcon 9	Spaceflight SSO-A	
	Launch site: Vandenberg , USA		
Oct??	Soyuz-2-1B/Fregat-M	Glonass-M 60	
Oct??	Falcon 9	GPS III-1	
Oct??	PSLV	Cartosat-3	
Oct??	GSLV MK III D2	GSAT-29	
Oct??	CZ-2C	CFOSAT (China-France Oceanography SATellite)	
??	Falcon 9	Iridium Next Flight 8 (x10)	
	Launch site: Vandenberg , USA		
??	Electron	Outernet 2,3	
Nov07.	0047UTC	Soyuz ST B/Fregat-M VS19	MetOp-C 60
Nov07.	Falcon 9	Radarsat C-1, -2, C-3	
	Launch site: Vandenberg , USA		
Nov21.	Antares 230	Cygnum Orb-10E	
??Nov27.	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	
Nov29.	Falcon 9 FT	Dragon SpX-16	



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Nov??	CZ-5 Y3	SJ-18 02 (DFH-5 platform)
Nov??	Soyuz-2-1B	EgyptSat A
Nov??	Proton-M/Briz-M	Blagovest 13
Nov??	GSLV MK II F12	GSAT-7A
Nov??	Falcon Heavy	STP-02
Nov??	Ariane 5 ECA	Hellas-Sat-4

?? [Epsilon](#) (4) Inovative Technology Demonstration Satellite – 1, OrigamiSat-1
Launch site: [Tanegashima](#), Japan

??	CZ-2D	GF-7 Gaofen-7
??	Ariane 5 ECA	Eutelsat 7C
??	Ariane 5 ECA	GEO-KOMPSAT-2A (GK2A, Cheollian 2A)
??	Ariane 5	GSAT-11

Dec06. [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-2, Ionosfera 3, Ionosfera 4**

Dec13. [Delta IV-M \(5,4\)](#) **WGS 10**

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

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

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

Dec?? [Vega](#) (VV13) [Prisma](#)
Launch site: [Kourou](#), French Guiana 40

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??	Soyuz ST B/Fregat -MT (VS20)	Cosmo-SkyMed Secon Gen 1 CSG-1
??	Zenit 3 SL /Fregat -SB	Lybid'

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

??	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](#)

??	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

?? ?? 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 20



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??	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)	
??	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	
??	CZ	Orbita-1 1	
??	CZ	Huaizong-1	
??	LS-1	LandSpace-1	(China)
??	CZ-2D	SaudiSAT 5B	
??	CZ	YG-32 Yaogan Weixing 32	
??	CZ??	Tianzhi-1	
??	Simorgh	Dosti	
Launch site: Semnan , Iran			

14 + 13
62 + 101

2019.

Jan??	Proton-M/Briz-M	Ямал-601
Jan??	Falcon H	Arabsat 6A
??	Falcon 9	PSN VI
??	Soyuz ST B/ Fregat -MT	CHEOPS (Characterising ExOPlanet Satellite)

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

Feb22. [Atlas 5](#) 422 (AV082) CST-100 Starliner
CDR: Douglas Hurley, Robert Behnken, XX YY (Nasa)

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 120



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

?? [Vega](#) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)
 ?? [Proton-M/Briz-M](#) Eutelsat 5 West B / MEV
 ?? [CZ-3B/E](#) Apstar-6D

Mar?? [Falcon 9](#) GPS IIIA-2
 Mar?? [Falcon 9](#) [Dragon](#) SpX-17
 Mar?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x10)

?? [Falcon 9](#) (SPx-DM2) Dragon v2
CDR: Eric **Boe**, Sunita **Williams**

?? [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 \(S59/60\)](#)
 CDR: Олѐг Ива́нович **Скри́почка**, (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](#) [Cygnum OA-11](#)

Apr?? ?? GOES-T
 Apr?? [CZ-3B/E](#) Nicasat 1
 Apr?? [CZ-3C](#) Beidou 3 I2Q
 Apr?? [Falcon 9](#) Dragon v2 (USCV-1) with 2 astronauts **100**
 Apr?? [Soyuz-2](#) [Progress MS 12](#)

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

May?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2) with 2 astronauts
 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

?? [PSLV](#) RISAT 1A
 ?? [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)



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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

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

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

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

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

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 N°5
 Oct?? [Falcon 9](#) FT [Dragon](#) SpX-19

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

Nov08. [Proton-M](#) **MLM**

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)
 ?? [Vega](#) - C ??

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 60

?? [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 Intelsat 39
 ?? [Ariane 5](#) ECA Star One D2

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



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??	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	
??	Proton-M/ DM-03	Glonass-M/K21,K22,K23	40
??	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	
??	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	20
??	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)	



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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

?? [Unha-3](#) Kwangmyŏngsŏng-5

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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

?? [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

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)
?? 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?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)
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)



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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
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**

?? 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 1a / Fregat	Luna 25 (Luna-Glob-1)



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??	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)
??	??	Картораф-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'



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?? 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](#) USCVC-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

?? 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](#) USCVC-7 (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

?? [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



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??	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-8 (US Commercial Vehicles)

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

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-9 (US Commercial Vehicles)

Dec??	Soyuz ST B/Fregat-MT	MetOp-SG B1
Dec??	Vega C	FLEX (Fluorescence Explorer satellite)

?? Sunkar Federatsia (unmanned)



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??	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 Vehicle)	
??	CZ-2F/G	SZ-16 Shenzhou-16	
May??	Atlas 5 402 / Falcon 9	USCV-10 (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-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.

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



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??	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 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-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

?? [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



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??	??	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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