



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (16.7.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **16.July.2018**.

July22. 0550UTC [Falcon 9](#) [Telstar 19](#)

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

July25. 1124UTC [Ariane 5 ES \(VA244\)](#) [Galileo-FOC FM19 \(Tara\)](#), [Galileo-FOC FM20 \(Samuel\)](#), [Galileo-FOC FM21 \(Anna\)](#), [Galileo-FOC FM22 \(Ellen\)](#)

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

July25. 1139UTC [Falcon 9](#) [Iridium Next Flight 7 \(x10\)](#)

Launch site: [Vandenberg](#), USA

July?? [Electron](#) Outerspace 1, Lemur

Launch site: [Kaitorete Spit](#), New Zeland

July?? [Soyuz-2](#) 1A [Bars-M](#) 3 **100**

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

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

?? KZ-11 Xiaoxiang-4

Aug02. 0519UTC [Falcon 9](#) [Telkom 4](#)

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

Aug04. 0817UTC [Delta 4-H](#) [Parker Solar Probe](#)

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

Aug17. [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

?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M7, [Beidou 3](#) MEO M8

Launch site: [Xichang](#), China

?? [Electron](#) ELaNa, ...

?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M9, [Beidou 3](#) MEO M10

?? KZ-1A Jilin 1-09

?? KZ-1A Jilin 1-10

?? KZ-1A Jilin 1-11

?? KZ-1A Jilin 1-12

Sep05. 2120UTC [Ariane 5 ECA \(VA243\)](#) [Azerspace 2 \(Intelsat 38\)](#) / [Horizon 3e](#)

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



Blog Gorana Hudeca

Sep05.	Falcon 9	SAOCAM-1A, ITASAT-1	
Launch site: Vandenberg , USA			
Sep10.	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	80
Sep26.	Delta 4-H	NROL-71 KH11 17 (Cristal 17)	
Launch site: Vandenberg , USA			
Sep30.	Falcon 9	Spaceflight SSO-A	
Launch site: Vandenberg , USA			
Sep??	CZ-2C	CFOSAT (China-France Oceanography SATellite)	
Sep??	GSLV MK II F12	GSAT-7A	
Sep??	CZ-11	CAS-6	
Sep??	Falcon 9	Es'hail 2	
Sep??	PSLV C42	??	
??	Falcon 9	OHB SARah satellite (x2)	
??	GSLV MK III D2	GSAT-29	
Oct01.	H-2A (F40)	GOSAT-2	60
Oct05.	Atlas 5 (531) (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			
Oct30.	Falcon Heavy	STP-02	
Oct31. 0053 UTC	Soyuz-2 1A	Progress MS 10	
Oct??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
Oct??	GSLV Mk II D9	Chandrayaan 2	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
Oct??	Soyuz-2-1B/Fregat-M	Glonass-M 60	
Oct??	Falcon 9	GPS III-1	
??	Pegasus-XL	ICON (Helio EX-1)	
Launch site: Kwajalein Atoll , USA			
??	Falcon 9	Iridium Next Flight 8 (x10)	



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Launch site: [Vandenberg](#), USA

Nov07. **0047UTC** **[Soyuz ST B/Fregat-M VS19](#)** **MetOp-C**

Nov07. **[Falcon 9](#)** **Radarsat C-1, -2, C-3**

Launch site: [Vandenberg](#), USA

Nov21. **[Antares 230](#)** **[Cygnus Orb-10E](#)**

Nov27. **[Atlas 5 N22 \(AV80\)](#)** **CST-100 Starliner (unmanned test)**

Nov29. **[Falcon 9 FT](#)** **[Dragon SpX-16](#)**

Nov?? [CZ-5 Y3](#) SJ-18 02 (DFH-5 platform)

Nov?? [Soyuz-2-1B](#) EgyptSat A

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

?? [Epsilon](#) (4) Inovative Technology Demonstration Satellite – 1, OrigamiSat-1

Launch site: [Tanegashima](#), Japan

?? [CZ-2D](#) GF-7 Gaofen-7

?? [CZ-3B/E](#) Apstar-6D

?? [Ariane 5](#) ECA Eutelsat 7C

?? [Ariane 5](#) ECA Hellas-Sat-4

?? [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: Олѐг Дмїтриевич Кононѐнко (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](#) 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

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

?? [Angara A5/ Briz-M](#) Kosmos (Repei)

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



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??	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	
??	CZ-3B/E	CC-1 Changcheng-1	20
??	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	
??	PSLV	Cartosat-3	
??	Simorgh	Dosti	
Launch site: Semnan , Iran			

12 + 15
58 + 104

2019.

Jan??	Proton-M/Briz-M	Ямал-601
??	Falcon 9	SAOCAM-1B, SAOCAM-1C



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?? [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**

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

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

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



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??	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)	
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 №5	
Oct??	Falcon 9 FT	Dragon SpX-19	
??	Ariane 5	JCSat 17	
Nov??	Falcon 9	USCV-3 (US Commercial Vehicles)	
CDR:	??(NASA), ??(NASA), ??(RF)		
Nov??	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	
Dec??	Proton-M / Briz-M	Ekspress 80, Ekspress 103	
Dec??	Soyuz-2 1B / Fregat-M	CAS500-1	60
Dec??	Falcon H	Arabsat 6A	
??	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)	



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??	Ariane 5 ECA	Intelsat 39	
??	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	
??	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	



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??	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
??	Safir 1 B	Tadbir
??	Safir 3A	Pars sepher
??	Unha-3	Kwangmyŏngsŏng-5
127		
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
??	Soyuz-2 1B	Progress M-UM
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 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??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
??	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



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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

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
 ?? [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
 ?? ?? HypIRI
 ?? Antares IMAP/STP-05

?? [Falcon 9](#) FT [Dragon](#) SpX-22
 ?? [Antares](#) 230 [Cygnus](#) OA-12

?? [Falcon H](#) ViaSat 3



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??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)
??	Proton-M	HƏM-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)
??	??	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)



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- ?? [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.

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



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??	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
??	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](#) USCV-8 (US Commercial Vehicles)

May20. [Ariane 5ECA](#) **JUICE (JUpter 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](#)



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Nov??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
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-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 (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-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, 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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