



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (24.9.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 24.Sep.2018.

Sep25. 2156UTC [Ariane 5 ECA \(VA243\)](#) [Azerspace 2 \(Intelsat 38\)](#) / [Horizon 3e](#)
Launch site: [Kourou](#), French Guiana

Sep29. 0200UTC [KZ-1A](#) Y08 [CentiSpace-1 S1](#)
Launch site: [Jiuquan](#), China

?? CZ-?? CAS-5A, CAS-5B
Launch site: [Jiuquan](#), China

Oct05. [CZ-3B/YZ-1](#) [Beidou 3 MEO M15](#), [Beidou 3 MEO M16](#)
Launch site: [Xichang](#), China

Oct07. 0222UTC [Falcon 9](#) [SAOCAM-1A](#)
Launch site: [Vandenberg](#), USA

Oct11. 0819UTC [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 Weilai-1 \(Future 1\)](#)
Launch site: [Wenchang](#), China

Oct17. 0415UTC [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

Oct25. [CZ-3B/YZ-1](#) [Beidou 3 MEO M17](#), [Beidou 3 MEO M18](#)
Launch site: [Xichang](#), China 60

Oct26. 0700UTC [Pegasus-XL](#) [ICON \(Helio EX-1\)](#)
Launch site: [Cape Canaveral](#), USA

Oct29. 0408UTC [H-2A \(F40\)](#) [GOSAT-2](#)
Launch site: [Tanegashima](#), Japan

Oct29. [CZ-2C](#) [CFOSAT \(China-France Oceanography SATellite\)](#)
Launch site: [Jiuquan](#), China

Oct31. 0053 UTC [Soyuz-2 1A](#) [Progress MS 10](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

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

Oct?? [GSLV](#) MK III D2 GSAT-29
Oct?? CZ-4B HY-2B Haiyang-2B



Blog Gorana Hudeca

Nov07. **0047UTC** **[Soyuz ST B/Fregat-M VS19](#)** **MetOp-C**
Launch site: [Kourou](#), French Guiana

Nov15. **[Antares 230](#)** **[Cygnum Orb-10E](#)**

Nov27. **[Falcon 9 FT](#)** **[Dragon SpX-16](#)**

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

Nov?? [Falcon 9](#) Spaceflight SSO-A
Launch site: [Vandenberg](#), USA

Nov?? [Ariane 5](#) ECA Hellas-Sat-4
Nov?? [PSLV](#) C43 HySIS
Nov?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M](#) 57
Nov?? [CZ-2D](#) Jiading-1

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

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

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 40

Dec06. **[Soyuz-2-1B/Fregat-M](#)** **Meteor M-2-2, Ionosfera 3, Ionosfera 4**
Launch site: [Восточный \(Vostochniy\)](#) Cosmodrome, Russia

Dec14. **[Soyuz ST B/Fregat-MT \(VS20\)](#)** **CSO 1 (Composante Spatiale Optique-1)**
Launch site: [Kourou](#), French Guiana

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

Dec20. **0452UTC** **[Soyuz-2 1A](#)** **[Soyuz MS 11 \(S58/59\)](#)**
CDR: Олэг Дмíтриевич Кононёнко (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

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



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Dec??	Soyuz-2-1B	EgyptSat A	
Dec??	Falcon H	Arabsat 6A	
Dec??	CZ-3C	Beidou 3 G8	
Dec??	Falcon 9	Es'hail 2	
Dec??	Falcon 9 (SPx-DM1)	Dragon v2 unmanned test	
??	Soyuz-2 1A	Bars-M 3	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	Minotaur-4	FORMOSAT-7 (6 sat)	20
??	Soyuz-2 1B / Fregat -M	Neutron (Kosmos)	
??	??	Taurus-1	
Launch site: Taiyuan , China			
??	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 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe,	
Xianrikui-1A, Xianrikui-1B, Yijian Duoxing			
??	CZ-3C	Tianlian-2 TL-2	
??	CZ-4B	ZY-3 Ziyuan-3	
??	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			
16 + 9			
73 + 69			

2019.

Jan03. [GSLV Mk II D9](#) **Chandrayaan 2**
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Jan23. [Delta IV-M \(5,4\)](#) **WGS 10**

Jan?? [CZ-5](#) Y3 SJ-18 02 (DFH-5 platform)
Jan?? [PSLV](#) C45 RISAT-2B
Jan?? 1900UTC [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test)

?? [Falcon 9](#) PSN VI
?? [Soyuz ST](#) B/[Fregat](#)-MT CHEOPS (Characterising ExOPlanet Satellite)



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??	CZ-11	Zhuhai-1 Group-3	
Feb07.	0920UTC	Soyuz-2	Progress MS 11
Feb17.	Falcon 9	Dragon SpX-17	
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			
??	Proton-M/Briz-M	Elektro L – 3	
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan			140
??	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??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
Mar??	PSLV C47	RISAT-2BR1	
Mar??	Falcon Heavy	STP-02	
??	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??	Falcon 9 (SPx-DM2)	Dragon v2	
CDR: Robert Benkhen , Doug Hurley			120
Apr??	??	GOES-T	
Apr??	CZ-3B/E	Nicasat 1	
Apr??	CZ-3C	Beidou 3 I2Q	



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Apr??	Soyuz-2	Progress MS 12
May07.	Falcon 9	Dragon SpX-18
May??	CZ	CBERS-4A
May??	Ariane 5 ECA	EDRS-C (Hylas 3)
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
July10.	Soyuz 2-1A	Soyuz MS 13 (S60/61)
CDR: 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
??	Atlas 5 422 (AV082)	CST-100 Starliner
CDR: Eric Boe , Chris Ferguson , Nicole Aunapu Mann		
Aug23.	Soyuz-2 1A	Soyuz 14 GVK
Aug??	Zenit 3 SL / Fregat -SB	Lybid'
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan		
Aug??	Soyuz ST B/ Fregat -MT	EarthCare
??	Falcon 9	Dragon v2 (USCV-1)
Cdr: Victor Glover , Mike Hopkins		
Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1
Late - inaugural flight - Vega-C - Kourou ZLV		
Oct11.	Soyuz 2-1A	Soyuz MS 15 (S61/62)
CDR : Тихонов (Tikhonov), Бабкин (Babkin), Cassidy		
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
Oct??	Falcon 9	GPS IIIA-3



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??	Ariane 5	JCSat 17	
??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B	
Nov08.	Proton-M	MLM	
??	Soyuz-2-1B/Fregat-M	Glonass K2 / 14	80
??	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	
??	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	
??	Vega	Falcon Eye 2	
??	Vega	MN35-13 B Morocco EO Sat 1 2	60
??	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	
??	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	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M	PTK NP	



Blog Gorana Hudeca

??	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	
??	GSLV MK II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	PSLV	ScatSat, NovaSAR	



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

156

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

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

?? [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

?? [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](#) 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](#) 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

Oct21. **Soyuz 2-1A** [Soyuz MS 17 \(S63/64\)](#)
CDR: Иванишин (Ivanishin), Вагнер (Vagner), Bowen

Oct?? Vega Proba 3
 ?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

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

?? [Falcon 9](#) FT [Dragon](#) SpX-22
 ?? [Antares](#) 230 [Cygnum](#) 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
??	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



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??	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 18](#)

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-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](#) USCVC-6 (US Commercial Vehicles)

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



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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
??	Proton-M/ DM-03	Glonass-M/K21,K22,K23
??	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 (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](#)

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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