



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (5.11.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 05.Nov.2018.

Nov07. 0048UTC Soyuz ST B/Fregat-M VS19 MetOp-C
Launch site: [Kourou](#), French Guiana

Nov07. 0805UTC Pegasus-XL ICON (Helio EX-1)
Launch site: [Cape Canaveral](#), USA

Nov11. Electron Outernet 1, Lemur
Launch site: [Kaitorete Spit](#), New Zeland

Nov14. 1046UTC Falcon 9 Es'hail 2
Launch site: [Cape Canaveral](#), USA

Nov15. 0949UTC Antares 230 Cygnus Orb-10E

Nov16. 1814UTC Soyuz-2 1A Progress MS 10
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Nov17. LauncherOne Test Launch

Nov19. 0232UTC 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

Nov25. KZ-1A Jilin 1-09
Launch site: [Jiuquan](#), China 40

Nov27. PSLV C43 HySIS

Nov29. Delta 4-H NROL-71 KH11 17 (Cristal 17)
Launch site: [Vandenberg](#), USA

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

Nov?? [CZ-2D](#) Jiading-1
Nov?? [CZ-11](#) Lingque 1,2
Nov?? [CZ-2D](#) SaudiSAT 5A ,SaudiSAT 5B

Dec03. 1131UTC Soyuz-2 1A Soyuz MS 11 (S58/59)
CDR: Олэг Дмíтриевич Кононёнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques

Dec04. 0838UTC Falcon 9 FT Dragon SpX-16

Dec04. 2134UTC Ariane 5 VA246 GSAT-11 / GEO-KOMPSAT-2A (GK2A, Cheollian 2A) Launch site: [Kourou](#), French Guiana



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Dec08.	CZ-3B/GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)
Nov14.	GSLV MK III D2	GSAT-29
Dec15. 1424UTC	Falcon 9	GPS III-1
Dec15.	CZ-4B	ZY-2D Ziyuan-2D
Dec18.	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)
Dec25. 2212UTC	Proton-M/Briz-M	Blagovest 13
Dec26.	Soyuz-2 1A / Fregat	Kanopus V 5, Kanopus V 6
Dec27.	Soyuz-2-1B	EgyptSat A
Dec29.	CZ-4C	??
Dec30. 0038UTC	Falcon 9	Iridium Next Flight 8 (x10)
Launch site: Vandenberg , USA		20
Dec??	Electron	ELaNa XIX
Launch site: Kaitorete Spit , New Zeland		
Dec??	PSLV C44	EMIsat
Dec??	CZ-2D	GF-7 Gaofen-7
Dec??	CZ-11	CAS-6
??	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, Xingyun-1 (01,02)
??	CZ-3C	Tianlian-2 TL-2
??	CZ-2D	Jilin-2 JL-2
??	CZ-2D	Jilin-3 JL-3
??	CZ	Huaizong-1
??	Simorgh	Dosti



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Launch site: [Semnan](#), Iran

17 + 5
86 + 49

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
Jan?? [Falcon 9 \(SPx-DM1\)](#) Dragon v2 unmanned test

?? [Epsilon \(4\)](#) Inovative Technology Demonstration Satellite – 1, OrigamiSat-1
Launch site: [Tanegashima](#), Japan 160

?? [Rokot / Briz KM](#) Rodnik x 3 (14F132)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? [CZ-11](#) Zhuhai-1 Group-3
?? [Ariane 5 ECA](#) Hellas-Sat-4
?? [Ariane 5 ECA](#) GSAT 31

Feb07. [Soyuz ST B/Fregat-MT](#) **OneWeb smalsat (x10)**

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

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

Feb18. [Falcon 9](#) **Radarsat C-1, -2, C-3**
Launch site: [Vandenberg](#), USA

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

Feb?? [CZ-3C](#) [Beidou 3 I1Q](#)
Feb?? [PSLV C46](#) Cartosat 3

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

?? [CZ-3B/E](#) Apstar-6D
?? [Ariane 5 ECA](#) Eutelsat 7C
?? [Electron](#) Outernet 2,3
?? [GSLV MK II F12](#) GSAT-7A
?? [Soyuz-2-1B/Fregat M](#) Meridian 18L
?? [Falcon 9](#) PSN VI

Mar?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV
Mar?? [PSLV C47](#) RISAT-2BR1
Mar?? 1900UTC [Atlas 5 N22 \(AV80\)](#) CST-100 Starliner (unmanned test) 140
Mar?? [Proton-M/Briz-M](#) Ямал-601



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Mar?? [Antares](#) 230 [Cygnus](#) OA-11

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

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

?? [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
?? [Falcon H](#) Arabsat 6A

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**, **Tyler N. Hague**

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

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

?? [Falcon H](#) heavy STP-02, FORMOSAT-7 (6 sat)

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

May?? CZ CBERS-4° 120
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
?? [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



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July06.	Soyuz FG	Soyuz MS 13 (S60/61)	
CDR: Александр Александрович Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA)			
July??	CZ-3C	Beidou 3 I3Q	
July??	H-2B (F9)	HTV8	
July??	Atlas 5 551	STP-03	
July??	Atlas 5	AEHF 5	
July??	Vega	SSMS POC (Small Spacecraft Mission Service Proof Of Concept)	100
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	
Sep04.	Soyuz-2 1A	Soyuz 14 GVK	
Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1	
Sep??	Soyuz ST B/ Fregat -MT	CHEOPS (Characterising ExOPlanet Satellite)	
??	Atlas 5 551 (AV-086)	AEHF-6	
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), Christopher J. 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)	
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	
??	Ariane 5 ECA	Eutelsat Quantum	
Nov08.	Proton-M	MLM	80
??	Soyuz-2 -1B/ Fregat -M	Glomass K2 / 14	
??	Proton-M/Briz-M	Blagovest 14	
??	Falcon 9	GPS IIIA-4	
??	Vega	Seosat (Ingenio)	
??	Vega - C	??	
Dec04.	Soyuz-2	Progress MS 13	



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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	
??	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	



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??	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	
??	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)



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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
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



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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).
??	??	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	НЭМ-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
??	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



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??	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)
??	H-IIA	Inmarsat-6 F1

2021.

Feb?? [Atlas 5](#) 402 USCv-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.



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??	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	USCV-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
Sep??	Falcon 9	SWOT
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
??	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



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??	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 (JUPiter 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](#)

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
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??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)
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??	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



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??	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 Vehicle)
??	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)
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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 (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

??	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



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??	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	
??	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)	



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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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