



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (3.12.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **03.Dec.2018**.

Dec03. 1832UTC [Falcon 9](#) [Spaceflight SSO-A](#)

Launch site: [Vandenberg](#), USA

Dec03. 1131UTC [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)

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

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

Dec04. 1838UTC [Falcon 9 FT](#) [Dragon SpX-16](#)

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

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

[Kourou](#), French Guiana

Dec07. 1830UTC [CZ-3B/GIII](#) [Chang'e-4](#) (Moon far side Aitken Basin lander/rover)

Launch site: [Xichang](#), China

Dec08. 04189UTC [Delta 4-H](#) NROL-71 [KH11 17](#) (Cristal 17)

Launch site: [Vandenberg](#), USA

Dec09. [CZ-2D](#) [SaudiSAT 5A](#) ,[SaudiSAT 5B](#)

Launch site: [Jiuquan](#), China

Dec10. [Electron](#) ELaNa XIX

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

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

Launch site: [Taiyuan](#), China

Dec17. 0203UTC [Soyuz ST B/Fregat-MT](#) (VS20) CSO 1 (Composante Spatiale Optique-1)

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

Dec18. 1410UTC [Falcon 9](#) GPS III-1

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

Dec19. [GSLV MK II](#) F12 [GSAT-7A](#)

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Dec25. 2212UTC [Proton-M/Briz-M](#) [Blagovest 13](#)

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

Dec25. [CZ-3C](#) TJS 3

Launch site: [Jiuquan](#), China

Dec27. 0207UTC [Soyuz-2 1A](#) / [Fregat Kanopus V 5](#), [Kanopus V 6](#)

Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia **20**

Dec30. 1638UTC [Falcon 9](#) [Iridium Next](#) Flight 8 (x10)



Blog Gorana Hudeca

Launch site: [Vandenberg](#), USA

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

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

?? [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
?? CZ Hongyan-1
?? [CZ-11](#) Lingque 1,2

18 + 4
97 + 34

2019.

??Jan08. 0457UTC [Falcon 9](#) (SPx-DM1) Dragon v2 unmanned test

Jan17. 0050UTC [Epsilon](#) (4) Inovative Technology Demonstration Satellite – 1, OrigamiSat-1
Launch site: [Tanegashima](#), Japan

Jan23. 2340UTC [Delta IV-M](#) (5,4) WGS 10

Jan23. [Ariane 5](#) ECA VA247 Hellas-Sat-4,SGS1 (SaudiGeoSat1) / GSAT 31

Jan31. [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?? [Falcon 9](#) PSN VI
Jan?? [Falcon H](#) Arabsat 6A
Jan?? [PSLV](#) C44 EMIsat

?? LauncherOne Test Launch



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Launch site: [Spaceport America](#), USA

?? Pegasus-XL ICON ([Helio EX-1](#))

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

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

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

?? [CZ-11](#) Zhuhai-1 Group-3

Feb07. [Soyuz ST B](#)/[Fregat](#)-MT (VS21) **OneWeb smalsat (x10)**

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

Feb18. [Falcon 9](#) **Radarsat C-1, -2, C-3**

Launch site: [Vandenberg](#), USA 140

Feb?? [Vega](#) (VV14) [Prisma](#)

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

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

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

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

?? [Soyuz-2-1B](#)/[Fregat](#) M Meridian 18L

?? [PSLV](#) C45 RISAT-2B

Mar01. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олѐг Ива́нович **Скря́почка**, (Oleg Ivanovich **Skripotscka**), Christina **Hammock Koch**, Tyler N. **Hague**

Mar28. [Soyuz-2](#) [Progress MS 11](#)

Mar?? [PSLV](#) C47 RISAT-2BR1

Mar?? 1900UTC [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test)

?? [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

?? [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

?? [Soyuz ST B](#)/[Fregat](#)-MT [O3b](#) (FM17-20) 120

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



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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](#)
Launch site: [Wallops Island](#), USA

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 Heavy](#) STP-02, FORMOSAT-7 (6 sat)

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

May?? CZ CBERS-4°
May?? [Ariane 5](#) ECA EDRS-C (Hylas 3)
May?? [Proton-M/Briz-M](#) Ямал-601

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 ??
?? [GSLV MK II](#) F10 GISAT
?? [Ariane 5](#) Inmarsat-5 F5
?? [Ariane 5](#) ECA Intelsat 39 100
?? Minotaur 1 NROL 111
?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV
?? [Proton-M/Briz-M](#) Blagovest 14
?? [Falcon 9](#) **Amos 17**

July06. [Soyuz FG](#) [Soyuz MS 13 \(S60/61\)](#)
CDR: Александр Александрович **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

July31. [Soyuz-2](#) [Progress MS 12](#)

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)
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



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

Sep12. [Soyuz-2 1A](#) **Soyuz 14 GVK**

Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1
 Sep?? [Ariane 5](#) ECA GSAT-20

?? [Atlas 5](#) 551 (AV-086) AEHF-6
 ?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)

Late - inaugural flight - Vega-C - Kourou ZLV 80

Oct15. [Soyuz ST B/Fregat](#)-MT **Cosmo-SkyMed Secon Gen 1** **CSG-1 / CHEOPS**
 (Characterising ExOPlanet Satellite)

Oct15. [Falcon 9](#) FT [Dragon](#) SpX-19

Oct18. [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?? [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**

?? [Falcon 9](#) GPS IIIA-4
 ?? [Vega](#) Seosat (Ingenio)
 ?? [Vega](#) - C ??

Dec02. [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
 Dec?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13

?? [Atlas 5](#) 551 AFSPC-7 (X-37B OTV 6) 60

?? [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



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??	Ariane 5	GSAT-30	
??	Vega	OpSis	
??	Vega	Falcon Eye 1	
??	Vega	Falcon Eye 2	
??	Proton-M/Briz-M	SkyTerra 2	
??	Proton-M/Briz-M	Yenisey A1	
??	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)	40
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M	PTK NP	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2-1B	Pion	
??	Soyuz-2-1B	Arktika	
??	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	
??	??	Hainan-1 (1)	20
??	??	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	



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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
- ?? 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
- ?? [Simorgh](#) [Dosti](#)
 Launch site: [Semnan](#), Iran
- ?? [Safir 1 B](#) Tadbir
 ?? Safir 3A Pars sepher

155

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



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??	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)
July??	Soyuz-2-1B/Fregat-M	Glonass K2 / 14
??	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
Oct01.	Antares 230	Cygnum OA-12
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



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?? 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
??	Falcon H	ViaSat 3
??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)
??	Proton-M	HЭM-1
??	Soyuz-2-1B/Fregat	Glonass M/ 58
??	Proton-M/ DM-03	Glonass-M/59,60,61
??	Soyuz-2-1B/ Fregat-M	Glonass K1 15
??	Soyuz-2 1B /Fregat-M	Glonass K1 / 16
??	Soyuz-2 1B /Fregat-M	Glonass K1 / 17
??	Proton-M/ DM-03	Glonass-M/K118,K119,K120
??	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
??	Soyuz-2-1B/Fregat-M	Kondor-FKA n.º 1
??	Soyuz-2-1B	Obzor R -1
??	Soyuz-2 1B /Fregat-M	Resurs N°4
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картограф-ОЭ N°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)



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- ?? [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.

?? CZ7 TZ 3 Tianzhou 3 (Logistic Cargo Vechile)

?? [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)

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

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



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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
??	Soyuz-2 -1B/ Fregat -M	Kondor-FKA n.º 2
??	Soyuz-2 1B / Fregat -M	Resurs №5
??	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)



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?? [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 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

Aug?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (US Commercial Vehicles)

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 (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](#) Ekspres – AMU 5
 ?? [Proton-M/Briz-M](#) Ekspres – AMU 6
 ?? [Proton-M/Briz-M](#) Ekspres – RV 3, Ekspres – 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
 ?? [Soyuz-2-1B/Fregat-M](#) [Resurs PM - 1](#)

?? [Angara](#) A5/ [Briz-M](#) Luch 5M

?? [Ariane 5](#) Moon's south pole samples return mission
 ?? [Ariane 5](#) Comsat NG 2 (Syracuse 4B)



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?? [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)

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](#) 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



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?? [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)

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



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??	??	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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