



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (26.11.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **26.Nov.2018**.

Nov28. **1832UTC** **[Falcon 9](#)** **[Spaceflight SSO-A](#)**
Launch site: [Vandenberg](#), USA

Nov29. **0530UTC** **[PSLV](#)** **C43** **[HysIS](#)**
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Nov30. **[Rokot / Briz KM](#)** **[Rodnik](#) x 3 (14F132)**
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

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)

Dec07. **[Delta 4-H](#)** **NROL-71 [KH11](#) 17 (Cristal 17)**
Launch site: [Vandenberg](#), USA

Dec08. **[CZ-2D](#)** **[SaudiSAT 5A](#) ,[SaudiSAT 5B](#)**

Dec10. **[Electron](#)** **ELaNa XIX**
Launch site: [Kaitorete Spit](#), New Zeland

Dec14. **[GSLV MK II](#)** **F12** **GSAT-7A**
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

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

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

Dec21. **0015UTC** **[Proton-M/Briz-M](#)** **Blagovest 13**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Dec25. **0207UTC** **[Soyuz-2 1A / Fregat Kanopus V 5, Kanopus V 6](#)**
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

Dec29. **CZ-4C** **??**



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Dec30. 1638UTC [Falcon 9](#)

Launch site: [Vandenberg](#), USA

[Iridium Next Flight 8 \(x10\)](#)

20

Dec?? [PSLV](#) C44
 Dec?? [CZ-2D](#)
 Dec?? [CZ-11](#)

EMIsat
 GF-7 Gaofen-7
 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
 95 + 37

2019.

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

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 160

??Jan??[CZ-5](#) Y3 SJ-18 02 (DFH-5 platform)
 Jan?? [Falcon 9](#) PSN VI
 Jan?? [Falcon H](#) Arabsat 6A

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



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?? LauncherOne Test Launch
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

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 **140**

Mar01. [Antares 230](#) [Cygnus OA-11](#)
Launch site: [Wallops Island](#), USA

Mar01. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)
CDR: Олѐг Ива́нович Скри́почка, (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)
Mar?? [Proton-M/Briz-M](#) Ямал-601

?? [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-2-1B/Fregat](#) Glonass K2 / 13



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?? [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)

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

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 120

?? [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)

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
 ?? [Soyuz-2-1B/ Fregat-M](#) Glonass K 15
 ?? Minotaur 1 NROL 111
 ?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV

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-03 100
 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

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](#) FT [Dragon](#) SpX-19

Oct?? [Falcon 9](#) GPS IIIA-3

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

?? [Ariane 5](#) JCSat 17

?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B **80**

?? [Ariane 5](#) ECA Eutelsat Quantum

Nov08. [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 ??

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

?? [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



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??	Ariane 5	GSAT-30	60
??	Vega	OpSis	
??	Vega	Falcon Eye 1	
??	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	40
??	Proton-M	PTK NP	
??	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	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	



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?? ?? 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
 ?? [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

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2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20

Feb05. [Atlas 5](#) [Solar Orbiter \(SoI\)](#) (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



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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

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



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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	HƏM-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	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



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- ?? [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 USCVC-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



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Aug?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-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](#) Ekspres-RV1, Ekspres-RV2

?? [Proton-M/Briz-M](#) Ekspres 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



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Feb?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-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

?? Sunkar ??

?? [Soyuz-2](#) [Progress MS](#) 20

Aug?? H2B Phobos sample return

Aug?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-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](#) 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

?? [Soyuz-2-1B/Fregat](#)-M [Resurs PM - 1](#)

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



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?? [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)

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

?? [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



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??	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](#) USCVC-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](#) USCVC-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



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??	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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