



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (21.1.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change **21.Jan.2019.**

Jan21. 0330UTC [CZ-11](#) **Jilin 1-02**

Launch site: [Jiuquan](#), China

Jan24. 1808UTC [PSLV](#) C44 **MicrosatR**

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India **140**

??Feb03. [Simorgh](#) **Nahid-1**

Launch site: [Semnan](#), Iran

Feb05. 2101UTC [Ariane 5](#) ECA VA247 **Hellas-Sat-4, SGS1 (SaudiGeoSat1) / GSAT 31**

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

Feb09. 1600UTC [Falcon 9](#) (SPx-DM1) **Dragon v2 unmanned test**

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

Feb17. 1600UTC [Falcon 9](#) **PSN VI**

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

Feb19. 2130UTC [Soyuz ST B/Fregat-MT](#) (VS21) **OneWeb smalsat (x6)**

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

Feb21. 1647UTC [Soyuz-2-1B](#) **EgyptSat A**

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

Feb?? Electron/Curie Outernet 1,2,3

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

Feb?? [CZ-3A](#) [Beidou 3](#) I1Q

Feb?? [PSLV](#) C45 EMIsat

Feb?? [PSLV](#) C46 Risat-2B

?? [Soyuz-2-1B](#) Arktika M 1

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

?? LauncherOne Test Launch

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

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

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

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

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

Mar09. 0150UTC [Vega](#) (VV14) [Prisma](#)

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

Mar14. [Soyuz-2 1A](#) [Soyuz MS 12](#) (S59/60)



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CDR: Алексей Николаевич **Овчинин**, (Aleksey Nikolayevich **Ovchinin**), Christina **Hammock Koch**, Tyler N. **Hague**

Mar16. Falcon 9 Dragon SpX-17

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

Mar26. Soyuz ST B/Fregat-MT O3b (FM17-20)

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

Mar28. Atlas 5 N22 (AV80) CST-100 Starliner (unmanned test) 120

Mar?? [Delta IV-M \(5,4\)](#) WGS 10

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

Mar?? [PSLV](#) C48 RISAT-2BR1

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

Mar?? [PSLV](#) C47 CARTOSAT-3

?? [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-M \(Glonass\)](#)

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

?? [Falcon 9](#) Radarsat C-1, -2, C-3

Launch site: [Vandenberg](#), USA

?? [Soyuz-2-1B/Fregat](#) Glonass M/ 58

?? [CZ-3B/G2](#) ZX-18 Zhongxing-18

?? [Electron](#) Outernet 2,3

Apr04. Soyuz-2 Progress MS 11

Apr17. Antares 230 Cygnus 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?? [GSLV](#) Mk II D9 Chandrayaan 2

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

Apr?? ?? GOES-T

Apr?? [CZ-3A](#) [Beidou 3](#) I2Q

Apr?? [CZ-2D](#) SJ-19 Shijian-19

Apr?? [Falcon Heavy](#) STP-02, FORMOSAT-7 (6 sat)

Apr?? [Proton-M/Briz-M](#) Blagovest 14 100

?? [Vega](#) Falcon Eye 1

May?? [Ariane 5](#) GSAT-30

May?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV



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?? [Falcon 9](#) Astrium active 3x SARah satellite

June18. 0100UTC [Falcon 9 \(SPx-DM2\)](#) **Dragon v2**
 CDR: Robert **Benkhen**, Doug **Hurley**

June22. [CZ-4B](#) **ZY-2D Ziyuan-2D**
 Launch site: [Taiyuan](#), China

June27. [Atlas 5](#) **AEHF 5**

June?? [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.

June?? [CZ-11](#) - SL CAS 6
 June?? [Proton-M/Briz-M](#) Ямал-601

??	CZ-3B/G2	TCSTAR 1
??	SSLV	??
??	GSLV MK II F10	GISAT
??	Ariane 5 ECA	Intelsat 39
??	Falcon 9	Amos 17
??	CZ-4B	CBERS-4° A
??	CZ-11	Zhuhai-1 Group-3
??	CZ-5 Y3	SJ-20 (DFH-5 platform)
??	Ariane 5 ECA	Eutelsat 7C

July06. **Soyuz FG** [Soyuz MS 13 \(S60/61\)](#)
 CDR: Александр Александрович **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA) ⁸⁰

July08. [Falcon 9](#) [Dragon SpX-18](#)

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

July??	CZ-3A	Beidou 3 I3Q
July??	H-2B (F9)	HTV8
July??	Atlas 5 551	STP-03
July??	Vega SSMS POC (Small Spacecraft Mission Service Proof Of Concept)	
July??	Ariane 5 ECA	EDRS-C (Hylas 3)
July??	Delta IV	GPS IIIA-2

Aug27. [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**

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

Sep23. [Soyuz-2-1A](#) [Soyuz MS 15 \(S61/62\)](#)
 CDR : Олэг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Christopher J. **Cassidy**, **Al Mansouri**



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Sep??	Ariane 5 ECA	GSAT-20	
??	Atlas 5 551 (AV-086)	AEHF-6	
??	Ariane 5	Inmarsat-5 F5	
Oct01.	Antares 230	Cygnus OA-12	
Oct15.	Soyuz ST B/Fregat-MT (Characterising ExOPlanet Satellite)	Cosmo-SkyMed Secon Gen 1	CSG-1 / CHEOPS
Oct15.	Falcon 9 FT	Dragon SpX-19	
Oct??	CZ-3B/YZ-1	Beidou 3 MEO M19, Beidou 3 MEO M20	60
Oct??	Soyuz-2 1B / Fregat-M	Gonets x 3 (No 27,28,29)	
Nov??	Soyuz-2 1B / Fregat-M	Resurs N ^o 4	
??	Ariane 5	JCSat 17	
??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B	
??	Ariane 5 ECA	Eutelsat Quantum	
??	Falcon 9	SAOCAM-1B, SAOCAM-1C	
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)	
??	CZ-6A	Satellogic (1-13)	
??	Vega	Seosat (Ingenio)	
??	Minotaur 1	NROL 111	
??	Proton-M/Briz-M	Anik G2V	
Dec02.	Soyuz-2	Progress MS 13	
Dec??	Atlas 5 402	CST 100 Starliner (USCV-2)	
Cdr: John Cassada , Sunita Williams			
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	
Dec??	Falcon 9	GPS IIIA-3	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	40
??	Falcon 9	GiSat-1	
??	Falcon 9	OHB SARah satellite (x2)	
??	Ariane 5 ECA	Eutelsat BB4A (African Broadband Satellite)	
??	Ariane 5 ECA	Star One D2	
??	Vega	OpSis	
??	Soyuz-2-1B/Fregat M	Meridian 19L	
??	Soyuz-2-	Razdan 1	
??	Angara 1.2	Kosmos	
??	Angara A5/ Briz-M	Kosmos (Repei)	



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??	Proton-M/Briz-M	Kosmos	
??	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-3E Fengyun-3E	
??	CZ	FY-4B Fengyun-4B	20
??	CZ-2C	HY-1D Haiyang-1D	
??	CZ-4B	HY-2C Haiyang-2C	
??	CZ-6A	HY-2D Haiyang-3A	
??	CZ	CBERS-SAR 1	
??	CZ-??	CAS-4A, CAS-4B	
Launch site: Taiyuan , China			
??	KZ-1A	Jilin 1-09	
Launch site: Jiuquan , China			
??	KZ-1A	Jilin 1-10	
??	KZ-1A	Jilin 1-11	
??	KZ-1A	Jilin 1-12	
??	CZ-2D	GF-7 Gaofen-7	
??	CZ-11	Fengtai Shaonian-02	
??	CZ-11	Lingque 1,2	
??	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-3B/YZ-1	ZX-6C Zhongxing-6C	
??	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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1 + 16
4 + 141

2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20
Jan?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)

?? - inaugural flight - Vega-C - Kourou ZLV

Feb05. [Atlas 5](#) [Solar Orbiter \(SoI0\) \(ESA\)](#)

Feb?? H-2B (F10) HTV9
Feb?? [CZ-3B/YZ-1](#) [Beidou 3](#) 2GQ

?? [Vega](#) SSMS – 2 (Small Spacecraft Mission Service)
?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)
?? [Vega](#) Falcon Eye 2
?? [Proton-M](#) MLM

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
?? [CZ-5 B](#) Test flight

Apr15. [Soyuz 2-1A](#) [Soyuz MS 16 \(S62/63\)](#) CDR: Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**),

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
May?? Ariane 62 CSO-2
May?? [Falcon 9](#) GPS IIIA-4

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](#)
- 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
 Sep?? [Falcon 9](#) GPS IIIA-5
 Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1
- ?? CZ-2F/G SZ-13 Shenzhou-13
- Oct21.** **Soyuz 2-1A** [Soyuz MS 17 \(S63/64\)](#)
 CDR: **Иванишин (Ivanishin), Вагнер (Vagner), Bowen**
- Oct?? Vega Proba 3
- ?? [Proton-M/Briz-M](#) Elektro L – 3
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Nov?? [Soyuz-2](#) [Progress MS](#) 15
- Dec15.** [Atlas 5](#) **Landsat 9**
- Dec??** GSLV-Mk III. **Gaganyaan-1** 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
 ?? ?? HypIRI
 ?? Antares IMAP/STP-05
- ?? [Falcon 9](#) FT [Dragon](#) SpX-22
- ?? [Falcon H](#) ViaSat 3
 ?? [Falcon 9](#) KPLO (Korea Pathfinder Lunar Orbiter)
- ?? [Soyuz-2-1B/ Fregat-M](#) Glonass K1 15
 ?? [Soyuz-2](#) 1B /[Fregat-M](#) Glonass K1 / 16
 ?? [Soyuz-2](#) 1B /[Fregat-M](#) Glonass K1 / 17



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??	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
??	Proton-M/Briz-M	Yenisey A1
??	Proton-M/Briz-M	Ямал-501
??	Proton-M/Briz-M	EutelSat
??	Proton-M/Briz-M	Ямал-GK-1
??	Proton-M	РТК NP

?? [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
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картограф-ОЭ №1

??	Ariane 5	Arsat 3
??	Ariane 5	ViaSat-3 Asia
??	Ariane 5 ECA	EDRS-D
??	??	Seosat-Ingenio-2

?? [Vega](#) C Cosmo-SkyMed Secon Gen 2 CSG-2

??	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)

??	CZ	FY-3F Fengyun-3F (Batch 2)
??	CZ	FY-3 Fengyun-3 RM-2

??	GSLV MK III	MOM-2 Follow on Mars Mission
??	PSLV	EnMap

??	PSLV XL	Aditya'
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?? 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.

Jan?? [Atlas 5](#) 402 USCVC-4 (US Commercial Vehicles)

Feb?? [Soyuz-2](#) [Progress MS](#) 16
 Feb?? [Falcon 9](#) GPS IIIA-6

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 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)
 July?? **GSLV-Mk III.** **Gaganyaan-2**

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

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)
 Oct?? Ariane 62 CSO-3

Dec?? [Vega](#) C KOMPSAT 7
 Dec?? **GSLV-Mk III.** **Gaganyaan-3**

?? [Ariane 5](#) MTG-I1

?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-2

?? [Falcon 9](#) GPS IIIA-7
 ?? [Falcon 9](#) GPS IIIA-8

?? [Soyuz-2](#) [Progress MS](#) 18
 ?? [Soyuz-2-1B](#)/[Fregat](#)-M Transformable Modul TM



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??	Proton-M	HƏM-1
??	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)
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
??	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)
??	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 Vechile)
??	CZ-5 B	Mengtian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15



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May20.	Ariane 5ECA	JUICE (JUperiter ICy moon Explorer)
Apr??	CZ-3B/G2	LTSAT (Nicasat 1)
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
??	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
??	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



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??	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.	
??	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
??	CZ	Chang'e-7 (Moon south pole landing)
??	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
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)

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)



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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	Luna 27 (Luna-Resurs PA)	Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	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	
??	CZ-5	Chang'e-6 Moon polar area sample return	
??	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	Luna28 (Luna-Grunt-1)	delivering a new-generation rover for gathering, analysis and uploading of samples
??	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	
2026.			
June??	Angara A5P/KVTK		A mission to Venus (<i>Venera D</i>) would be launched



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??	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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