



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (7.1.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 07.Jan.2019.

Jan08. 1448UTC [Falcon 9](#) [Iridium Next Flight 8 \(x10\)](#)
Launch site: [Vandenberg](#), USA

?Jan09 [CZ-3B/G2](#) [ZX-2D Zhongxing-2D](#)
Launch site: [Xichang](#), China

Jan11. 2047UTC [Delta 4-H](#) [NROL-71 KH11 17 \(Cristal 17\)](#)
Launch site: [Vandenberg](#), USA

Jan17. 0050UTC [Epsilon \(4\)](#) RAPIS-1 (RAPid Innovative payload demonstration Satellite 1), [OrigamiSat-1](#)
Launch site: [Tanegashima](#), Japan

Jan21. [CZ-11](#) ??

Jan?? [Falcon 9](#) (SPx-DM1) Dragon v2 unmanned test
Launch site: [Cape Canaveral](#), USA

Jan?? [PSLV](#) C44 EMIsat
Jan?? Electron/Curie Outernet 1,2,3

?? Pegasus-XL ICON ([Helio EX-1](#))
??Launch site: [Cape Canaveral](#), USA

Feb05. [Ariane 5 ECA VA247](#) [Hellas-Sat-4,SGS1 \(SaudiGeoSat1\) / GSAT 31](#)
Launch site: [Kourou](#), French Guiana

Feb13. 1415UTC [Falcon 9](#) [PSN VI](#)
Launch site: [Cape Canaveral](#), USA

Feb16. [GSLV Mk II D9](#) [Chandrayaan 2](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Feb19. [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?? [Falcon 9](#) Radarsat C-1, -2, C-3
Launch site: [Vandenberg](#), USA

Feb?? [Delta IV-M \(5,4\)](#) WGS 10
Launch site: [Cape Canaveral](#), USA

Feb?? [CZ-3A](#) [Beidou 3 I1Q](#)
Feb?? [PSLV](#) C46 [Risat-2B](#)



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?? [Soyuz-2-1B](#) Arktika M 1
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia 140

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

?? [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. 0242UTC [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

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

Mar26. [Soyuz ST B/Fregat-MT](#) [O3b \(FM17-20\)](#)

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

Mar?? [Falcon 9](#) [Dragon](#) SpX-17
Launch site: [Cape Canaveral](#), USA

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

Mar?? [PSLV](#) C47 RISAT-2BR1
Mar?? [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test)
Mar?? [Falcon H](#) Arabsat 6A

?? [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

?? [Soyuz-2-1B/Fregat](#) Glonass M/ 58
?? [CZ-3B/G2](#) ZX-18 Zhongxing-18

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 120

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-3A](#) [Beidou 3](#) I2Q
Apr?? [CZ-2D](#) SJ-19 Shijian-19



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

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

May??	Ariane 5 ECA	EDRS-C (Hylas 3)
May??	Proton-M/Briz-M	Ямал-601
May??	Ariane 5	GSAT-30
May??	Proton-M/Briz-M	EutelSat 5 West B / MEV

June18. 0100UTC [Falcon 9 \(SPx-DM2\)](#) [Dragon v2](#)

CDR: Robert **Benkhen**, Doug **Hurley**

June??	Delta IV	GPS IIIA-2
June??	CZ-11 - SL	CAS 6
??	CZ-3B/G2	TCSTAR 1
??	SSLV	??
??	GSLV MK II F10	GISAT
??	Ariane 5	Inmarsat-5 F5
??	Ariane 5 ECA	Intelsat 39
??	Minotaur 1	NROL 111
??	Proton-M/Briz-M	Blagovest 14
??	Falcon 9	Amos 17
??	CZ-4B	CBERS-4° A
??	CZ-11	Zhuhai-1 Group-3
??	CZ-5 Y3	SJ-20 (DFH-5 platform)

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-3A	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

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**

Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1
Sep??	Ariane 5 ECA	GSAT-20
??	Atlas 5 551 (AV-086)	AEHF-6



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

Oct01. [Antares 230](#) [Cygnus OA-12](#)

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

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

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)

??	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	??

Nov30. [Proton-M](#) **MLM**

Nov?? [Soyuz ST B/Fregat-MT](#) OneWeb smalsat (x32)

??	Vega	Seosat (Ingenio)
??	Vega - C	??

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)
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??	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

??	Vega	OpSis
??	Vega	Falcon Eye 1
??	Vega	Falcon Eye 2

??	Proton-M/Briz-M	SkyTerra 2
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??	Proton-M/Briz-M	Yenisey A1	
??	Proton-M/Briz-M	Ямал-501	
??	Proton-M/Briz-M	EutelSat	
??	Proton-M/Briz-M	IntelSat	40
??	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 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	
??	CZ-2C	HY-1D Haiyang-1D	
??	CZ-4B	HY-2C Haiyang-2C	20
??	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-4B	ZY-2D Ziyuan-2D	
Launch site: Taiyuan , China			
??	CZ-2D	GF-7 Gaofen-7	



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??	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
??	Simorgh	Nahid-1
Launch site: Semnan , Iran		
??	Safir 1 B	Tadbir
??	Safir 3A	Pars sepher

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2020.

Jan??	Falcon 9	Dragon SpX-20
Jan??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
Feb05.	Atlas 5	Solar Orbiter (SOLO) (ESA)
Feb??	H-2B (F10)	HTV9
Feb??	CZ-3B/YZ-1	Beidou 3 2GQ
??	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
??	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 Vechile)
??	CZ-2F/G	SZ-12 Shenzhou-12



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??	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
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
??	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
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



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??	??	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
??	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
??	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	



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??	??	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'
??	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)

?? [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



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Dec??	Vega C	KOMPSAT 7
??	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
??	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



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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)
Apr??	CZ-3B/G2	LSTSAT (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
??	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
??	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



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?? 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

?? [Angara A5P/DM03](#) Lutch 5 – 2

?? [Soyuz-2-1b](#) Bion-M No. 2

?? [Angara A5P/DM03](#) Lutch 5 – 3

?? ?? Ямал GK 2



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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

?? [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



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??	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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