



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (14.1.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 14.Jan.2019.

Jan15. 1956UTC [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. 0330UTC [CZ-11](#) **Jilin 1-02**

Launch site: [Jiuquan](#), China

Jan24. 1730UTC [PSLV](#) C44 **MicrosatR**

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

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

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

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

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

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

Launch site: [Semnan](#), Iran

Feb05. 2101UTC [Ariane 5](#) ECAVA247 Hellas-Sat-4,SGS1 (SaudiGeoSat1) / GSAT 31

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

Feb13. 1415UTC [Falcon 9](#) **PSN VI**

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

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

Launch site: [Vandenberg](#), 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 140

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

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

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

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

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

Feb?? [PSLV](#) C45 EMIsat

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

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



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

?? LauncherOne Test Launch
Launch site: [Spaceport America](#), USA
?? [CZ-3B/E](#) Apstar-6D
?? [Electron](#) Outernet 2,3
?? [Soyuz-2-1B/Fregat M](#) Meridian 18L

Mar01. 0042UTC [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)
CDR: Алексей Николаевич **Овчинин**, (Aleksey Nikolayevich **Ovchinin**), Christina **Hammock Koch**, Tyler N. **Hague**

Mar09. [Vega \(VV14\)](#) [Prisma](#)
Launch site: [Kourou](#), French Guiana

Mar26. [Soyuz ST B/Fregat-MT](#) [O3b \(FM17-20\)](#)
Launch site: [Kourou](#), French Guiana

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

Mar?? [PSLV](#) C48 RISAT-2BR1
Mar?? [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test)
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 **120**

?? [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

Apr04. [Soyuz-2](#) [Progress MS 11](#)

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?? [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)

?? [Ariane 5](#) ECA Eutelsat 7C



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?? [Vega](#) Falcon Eye 1

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

May?? [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.

May?? [Ariane 5](#) GSAT-30
 May?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV

?? [Proton-M/Briz-M](#) Ямал-601

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

June?? [Delta IV](#) GPS IIIA-2 100
 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)
July?? [Ariane 5](#) ECA EDRS-C (Hylas 3) 80

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 \(S61/62\)](#)



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CDR : Олѐг Ива́нович **Скρίпочка**, (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

Oct01. [Antares 230](#) [Cygnum 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 ?? **60**
 ?? [Vega](#) Seosat (Ingenio)

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)

?? [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

?? [Proton-M/Briz-M](#) SkyTerra 2
 ?? [Proton-M/Briz-M](#) Yenisey A1

?? [Proton-M/Briz-M](#) Ямал-501



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??	Proton-M/Briz-M	EutelSat	40
??	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 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	20
??	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-4B	ZY-2D Ziyuan-2D	
Launch site: Taiyuan , China			
??	CZ-2D	GF-7 Gaofen-7	
??	CZ-11	Fengtai Shaonian-02	
??	CZ-11	Lingque 1,2	



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?? 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

1 + 16
2 + 152

2020.

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

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

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

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



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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 (JUpter 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
??	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



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2023.

?? [Soyuz-2](#) [Progress MS 22](#)

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

?? [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)



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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 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

?? 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



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??	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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