



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (15.4.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 15.Apr.2019.

Apr17. 2045UTC [Antares 230](#) [Cygnum OA-11](#)
Launch site: [Wallops Island](#), USA

Apr20. [CZ-3A](#) [Beidou 3 1G](#)
Launch site: [Xichang](#), China

Apr26. 0955UTC [Falcon 9](#) [Dragon SpX-17](#) 120
Launch site: [Cape Canaveral](#), USA

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

Apr?? [CZ-2D](#) SJ-19 Shijan-19
Apr?? [Electron](#) "That's a Funny Looking Cactus"

May13. [Soyuz-2-1B/Fregat](#) [Glonass M/ 58](#)

May16. [Falcon 9](#) [Radarsat C-1, -2, C-3](#)
Launch site: [Vandenberg](#), USA

May17. [Cosmic Girl / LauncherOne](#) [Test Launch](#)
Launch site: [Spaceport America](#), USA

May23. [Proton-M/Briz-M](#) [Blagovest 14](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

May27. [Falcon 9](#) [Amos 17](#)
Launch site: [Cape Canaveral](#), USA

May31. [Proton-M/Briz-M](#) [Ямал-601](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

May?? [Falcon 9](#) Starlink 1
May?? [Electron](#) BlackSky Global 4
May?? [PSLV](#) C46 RISAT-2B
May?? [Electron](#) Dove / Flock-y

?? [CZ-3C](#) [Beidou 3 2G8](#)

June05. [Ariane 5 ECA VA248](#) [Eutelsat 7C / DirectTV 16](#)

June21. 1344UTC [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.

June22. [CZ-4B](#) [ZY-2D Ziyuan-2D](#)



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Launch site: [Taiyuan](#), China

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

June27. [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-2, Ionosfera 3, Ionosfera 4**

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

June?? [Rokot / Briz KM](#) [Gonets](#) x 3 (No 24,25,26), Blits-M

Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia 100

June?? [CZ-11](#) - SL CAS 6

June?? [Falcon H](#) heavy STP-02, FORMOSAT-7 (6 sat)

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

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

June?? [Electron](#) KSM-1,KSM-2,KSM-3 (Kleos Scouting Mission)

?? KZ-11 Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)

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

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

?? [Soyuz-2](#) 1A [Bars-M](#) 3

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

?? [CZ-3B/G2](#) TCSTAR 1

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

?? [Soyuz-2-1V](#) ??

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

July06. **Soyuz FG** [Soyuz MS 13 \(S60/61\)](#)

CDR: Александр Александрович **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

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

July19. [Vega](#) **VV15** **Falcon Eye 1**

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

July25. [Delta IV](#) **GPS IIIA-2**

July25. [Falcon 9 \(SPx-DM2\)](#) [Dragon v2](#)

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

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

July?? [GSLV](#) Mk II D9 Chandrayaan 2

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

July?? [CZ-3A](#) [Beidou 3](#) I3Q 80

July?? [CZ-5](#) Y3 SJ-20 (DFH-5 platform)

July?? [PSLV](#) RISAT-2BR1

July?? [Ariane 5](#) ECA VA249 Intelsat 39 / GSAT 30

July?? [Ariane 5](#) ECA EDRS-C (Hylas 3)

?? Shuang Quxian-1 ??



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Aug17.	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	
Aug22.	Soyuz-2 1A	Soyuz 14 GVK	
Aug??	Zenit 3 SL / Fregat -SB	Lybid'	
Launch site:	Байконур (Baikonur) Cosmodrome, Kazakhstan		
Aug??	SSLV D1	Two defence sats	
Aug??	Vega	SSMS POC (Small Spacecraft Mission Service Proof Of Concept)	
??	CZ-3B/E	Apstar-6D	
Sep11.	H-2B (F9)	HTV8	
Sep25.	Soyuz-2-1A	Soyuz MS 15 (S61/62)	
CDR :	Олэг Ива́нович Скри́почка , (Oleg Ivanovich Skripotcska), Christopher J. Cassidy , Hazzaa Al Mansouri		
Sep??	GSLV MK II F10	GISAT -1	
Sep??	GSLV MK III	GSAT -20	
??	Atlas 5 551 (AV-086)	AEHF-6	
??	Ariane 5	Inmarsat-5 F5	
??	Falcon 9	JCsat 18	
Oct15.	Soyuz ST B / Fregat -MT	Cosmo-SkyMed Secon Gen 1	CSG-1 / CHEOPS
(Characterising ExOPlanet Satellite)			
Oct19.	Antares 230	Cygnus OA-12	
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)	
Oct??	Falcon 9	GPS IIIA-3	
Oct??	Ariane 5 ECA	GSAT-20	
Oct??	Atlas 5 551	STP-03	
Oct??	SSLV D2	Demo 2	
Oct??	PSLV	RISAT-2BR2	
??	CZ-4B	CBERS-4° A	
Nov20.	Proton-M / Briz-M	Elektro L - 3	
Launch site:	Байконур (Baikonur) Cosmodrome, Kazakhstan		
Nov??	Atlas 5 422 (AV082)	CST-100 Starliner	
CDR:	Michael Fincke , Chris Ferguson , Nicole Aunapu Mann		
Nov??	Vega	Falcon Eye 2	
Nov??	GSLV	GISAT -2	
??	Ariane 5	JCSat 17	
??	Ariane 5 ECA	Eutelsat Quantum	
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)	
??	CZ-6A	Satellologic (1-13)	
??	Vega	Seosat (Ingenio)	
??	Minotaur 1	NROL 111	
??	Falcon 9	SiriusXM SX7	



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??	Minotaur IV	NROL 129	
Dec04.	Falcon 9 FT	Dragon SpX-19	40
Dec20.	Soyuz-2	Progress MS 13	
??Dec??	Falcon 9	Dragon v2 (USCV-1)	
Cdr: Victor Glover , Mike Hopkins , Soichi Noguchi			
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-4	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
Dec??	Angara A5/ DM3	Kosmos (Persei)	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	Ariane 5 ECA	Eutelsat BB4A (African Broadband Satellite)	
??	Ariane 5 ECA	Star One D2	
??	Vega	OpSis	
??	Soyuz-2 -	Razdan 1	
??	Proton-M/Briz-M	Kosmos	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2 -1B	Pion	
??	Soyuz-2 1B / Fregat -M	Tundra 3	
??	Soyuz-2 1B / Fregat -M	Tundra 4	20
??	Rokot / Briz KMGeo IK 2	13L	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	Soyuz-2 -1B/ Fregat -M	Glonass K1 15	
??	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	
??	CZ-6A	HY-2D Haiyang-3A	
??	CZ-3A	Beidou 3 I2Q	
??	CZ	CBERS-SAR 1	



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?? CZ-?? [CAS-4A, CAS-4B](#)

Launch site: [Taiyuan](#), 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-3B/G2](#) ZX-18 Zhongxing-18

?? CZ?? CAS-7A, CAS-7B

Launch site: [Jiuquan](#), China

4 + 14
 21 + 122

2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20 120
 Jan?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)

?? - inaugural flight - Vega-C - Kourou ZLV
 ?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C

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

Feb?? H-2B (F10) HTV9
 Feb?? [CZ-3B/YZ-1](#) [Beidou 3](#) 2GQ
 Feb?? [Soyuz-2](#) [Progress MS](#) 14
 Feb?? [GSLV](#) GSAT - 32

?? [Vega](#) SSMS - 2 (Small Spacecraft Mission Service)
 ?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)
 ?? [CZ-5 B](#) Test flight

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

Apr15. [Soyuz 2-1A](#) [Soyuz MS 16 \(S62/63\)](#)

CDR: Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**), Hoshide

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) 100
 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
May??	Ariane 62	CSO-2
??	Proton-M	MLM
June??	Atlas 5 402	CST 100 Starliner (USCV-2)
	Cdr: John Cassada , Sunita Williams	
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)
June??	Soyuz-2	Progress MS 15
July16	Ariane 62	OneWeb
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-5	Mars probe (orbiter + lander + rover)
July??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 14
July??	Soyuz-2 -1B	Arktika-M 80
??	Vega-C Pleiades Neo 1, Pleiades Neo 2	
??	Ariane 5	ViaSat 3 EMEA
Aug??	Falcon 9 FT	Dragon SpX-21
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
Sep??	Soyuz-2	Progress MS 16
Sep??	??	GOES-T (National Security Space Launch program)
??	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
??	Falcon 9	SARah 1
Nov??	Soyuz-2	Progress MS 15



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Nov?? [Soyuz-2](#) 1B / [Fregat](#)-M Resurs №4

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).

Dec?? [Falcon 9](#) [Dragon v2](#) USCV-3 (US Commercial Vehicles)
CDR: ??(NASA), ??(NASA), ??(RF)

Dec?? [Soyuz-2](#) [Progress MS](#) 17

??	??	PACE	60
??	??	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)

?? [Soyuz-2](#) 1B / [Fregat](#)-M Glonass K1 / 16
?? [Soyuz-2](#) 1B / [Fregat](#)-M Glonass K1 / 17

?? [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	40
??	Proton-M	PTK 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
??	Soyuz-2 -1B/ Fregat M	Meridian 19L



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??	Angara 1.2	Kosmos	
??	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	20
??	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 II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	PSLV	ScatSat, NovaSAR	
??	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	
??	Safir 1 B	Tadbir	
??	Safir 3A	Pars sepher	

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2021.

Feb??	Soyuz-2	Progress MS 18
Feb??	Falcon 9	GPS IIIA-6
Feb??	Falcon H	AFSPC-44

Mar30. [Soyuz-2-1A](#) [Soyuz MS 18](#)
 Cdr: xx, Akihiko Hoshide, xx

Mar31. [Ariane 5](#) ES **JWST (James Webb Space Telescope)**



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Mar??	Atlas 5 411	SBIRS-GEO 5
Apr??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
??	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.		
June??	Falcon 9	DART (Double Asteroid Redirection Test)
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	Soyuz-2	Progress MS 19
??	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
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
Sep??	Falcon 9	OHB SARah 2/3
Oct16.	Atlas 5 401	Lucy
Oct??	Atlas 5 401/ Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)
Oct??	Ariane 62	CSO-3
Oct??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)
Dec??	Vega C	KOMPSAT 7
Dec??	GSLV-Mk III. Gaganyaan-3	
Dec??	Falcon 9	NROL-85 Intruder 13A713B
Dec??	Falcon 9	NROL-87
??	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 20
??	Soyuz-2 -1B/ Fregat -M	Transformable Modul TM
??	Proton-M	HƏM-1
??	Soyuz-2 -1B/ Fregat -M	Meteor M No2-4
??	Angara 1.2	Gonets x 3
??	Proton-M / Briz-M	Ekspress-RV1, Ekspress-RV2



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??	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
??	Soyuz-2	Progress MS 21

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](#)

Mar??	Atlas 5	NROL-107 Silentbaker
Apr??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
??	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 \(JU\)piter moon Explorer\)](#)

Apr??	CZ-3B/G2	LSTSAT (Nicasat 1)
June04.	SLS Block I	Orion: Exploration Mission 2 (Crew to Cislunar) Mission)



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June??	Ariane 5	MTG-I2
??	Sunkar ??	
??	Soyuz-2	Progress MS 20
Aug??	H2B	Phobos sample return
Oct??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)
Aug??	Atlas 5 411	SBIRS-GEO 6
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
Mar30.	Soyuz-2-1A	Soyuz MS 21
Apr??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16



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??	Soyuz-2	Progress MS 23	
??	Ariane 5	MTG-S2/Sentinel-4A	
Sep30.	Soyuz-2-1A	Soyuz MS 22	
Oct??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)	
??	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	
??	Soyuz-2-1B/Fregat-M	Resurs PM - 2	
??	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

Mar30.	Soyuz-2-1A	Soyuz MS 23	
Apr??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)	
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)	
Sep30.	Soyuz-2-1A	Soyuz MS 24	
Oct??	EELV	GOES-U	
Oct??	Atlas 5 402 / Falcon 9	USCV-11 (US Commercial Vehicles)	



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??	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		
Apr??	Atlas 5 402 / Falcon 9	USCV-12 (US Commercial Vehicles)
Oct??	Atlas 5 402 / Falcon 9	USCV-13 (US Commercial Vehicles)
??	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.		
Apr??	Atlas 5 402 / Falcon 9	USCV-14 (US Commercial Vehicles)



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June??	Angara A5P/KVTK	A mission to Venus (<i>Venera D</i>) would be launched
Oct??	Atlas 5 402 / Falcon 9	USCV-15 (US Commercial Vehicles)
??	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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