



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (22.4.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 22.Apr.2019.

Apr30.	0800UTC	Falcon 9	Dragon SpX-17	120
Launch site: Cape Canaveral, USA				
Apr??		KZ-1A	??	
Launch site: Jiuquan, China				
May04.		Electron	"That's a Funny Looking Cactus"/ STP-27RD	
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				
May29.	1700UTC	Proton-M/Briz-M	????-601	
Launch site: ???????? (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	
June12.		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	
Launch site: Taiyuan, China				
June22.		Falcon Heavy	STP-02, FORMOSAT-7 (6 sat)	
June27.		Atlas 5	AEHF 5	
June27.		Soyuz-2-1B/Fregat-M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	
Launch site: ???????? (Vostochniy) Cosmodrome, Russia				
June??		Falcon 9	Amos 17	
Launch site: Cape Canaveral, USA				
June??		CZ-11 - SL	CAS 6	



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June??	PSLV C47	CARTOSAT-3	100
June??	Electron	KSM-1,KSM-2,KSM-3 (Kleos Scouting Mission)	
June??	CZ-2D	SJ-19 Shijian-19	
??	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: ??????? (Plesetsk) Cosmodrome, Russia		
??	CZ-3B/G2	TCSTAR 1	
??	CZ-11	Zhuhai-1 Group-3	
??	Soyuz-2-1V	??	
??	Soyuz-2-1B/Fregat M	Meridian 18L	
July08.	Falcon 9	Dragon SpX-18	
July20.	1625UTC Soyuz FG	Soyuz MS 13 (S60/61)	
CDR:	????????? ?????????????? ?????????? (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA)		
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??	Proton-M/Briz-M	Blagovest 14	
Launch site:	????????? (Baikonur) Cosmodrome, Kazakhstan		
July??	Vega VV15	Falcon Eye 1	
Launch site:	Kourou, French Guiana		
July??	CZ-3A	Beidou 3 I3Q	
July??	CZ-5 Y3	SJ-20 (DFH-5 platform)	
July??	PSLV	RISAT-2BR1	80
July??	Ariane 5 ECA VA249	Intelsat 39 / GSAT 30	
July??	Ariane 5 ECA	EDRS-C (Hylas 3)	
??	Shuang Quxian-1	??	
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:	????????? (Baikonur) Cosmodrome, Kazakhstan		
Aug??	SSLV D1	Two defence sats	
Aug??	Vega SSMS POC (Small Spacecraft Mission Service Proof Of Concept)		



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??	CZ-3B/E	Apstar-6D	
Sep11.	H-2B (F9)	HTV8	
Sep25.	Soyuz-2-1A	Soyuz MS 15 (S61/62)	
CDR : ??? ' ? ??? '????? ???? '?????, (Oleg Ivanovich Skripotscka), ??Christopher J. Cassidy, Hazzaa Al Mansouri			
Sep??	GSLV MK II	F10	GISAT -1
Sep??	GSLV MK III		GSAT -20
??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M	
Launch site: ??????? (Plesetsk) Cosmodrome, Russia			
??	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	
Oct??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	CZ-4B	CBERS-4° A	
Nov01.	Atlas 5 422 (AV082)	CST-100 Starliner	
CDR: Michael Fincke, Chris Ferguson, Nicole Aunapu Mann			
Nov20.	Proton-M/Briz-M	Elektro L – 3	
Launch site: ??????? (Baikonur) Cosmodrome, Kazakhstan			
Nov??	Vega	Falcon Eye 2	
Nov??	GSLV	GISAT -2	
??	Ariane 5	JCSat 17	
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)	
??	CZ-6A	Satellogic (1-13)	
??	Vega	Seosat (Ingenio)	
??	Minotaur 1	NROL 111	
??	Falcon 9	SiriusXM SX7	
??	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)	



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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
??	Rokot / Briz KMGeo IK 2 13L	
Launch site: ????????	(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
??	CZ-??	CAS-4A, CAS-4B
Launch site: Taiyuan, China		
??	KZ-1A	Jilin 1-10
??	KZ-1A	Jilin 1-11
??	KZ-1A	Jilin 1-12



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?? 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
 23 + 119

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 (Solo) (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
 ?? Ariane 5 ECA Eutelsat Quantum

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: ??????? ?????????????? ???????? (Nikolai Tikhonov), ??????? ??????????????
 ??????? (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

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vechile)
 ?? CZ-2F/G SZ-12 Shenzhou-12
 ?? Vega_CCERES (x3)

May?? Soyuz-2 1B Progress M-UM



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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: ???????? (Ivanishin), ?????? (Vagner), Bowen		
Oct??	Vega	Proba 3
??	Falcon 9	SARah 1
Nov??	Soyuz-2	Progress MS 15
Nov??	Soyuz-2 1B /Fregat-M	Resurs ?4
Dec15.	Atlas 5	Landsat 9



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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
 ?? ?? 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 / 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 Ekspres AMU 3 / Ekspres AMU 7
 ?? Proton-M/Briz-M Yenisey A1
 ?? Proton-M/Briz-M ????-501
 ?? Proton-M/Briz-M EutelSat
 ?? Proton-M/Briz-M ????-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)
 ?? ?? ??????????-?? ?1
 ?? Soyuz-2-1B/Fregat M Meridian 19L

?? Angara 1.2 Kosmos

?? Ariane 5 Arsat 3
 ?? Ariane 5 ViaSat-3 Asia



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??	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)

Mar?? Atlas 5 411 SBIRS-GEO 5

Apr?? Atlas 5 402 USCV-4 (US Commercial Vehicles)
Apr?? Ariane 62 Galileo-FOC FM23, Galileo-FOC FM24

?? 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.



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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/EPSS-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	???-1
??	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



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??	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 (Jupiter 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
Oct??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)



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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
??	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



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??	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	
??	??	???? 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 Vechile)	
Sep30.	Soyuz-2-1A	Soyuz MS 24	
Oct??	EELV	GOES-U	
Oct??	Atlas 5 402 / Falcon 9	USCV-11 (US Commercial Vehicles)	
??	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



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??	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
??	??	???? 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
??	??	???? GK VEO 2
??	??	???? 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)
June??	Angara A5P/KVTK	A mission to Venus (Venera D) 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)



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2069.

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Interstellar mission