



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (24.6.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **24. June 2019**.

June24. 1805UTC CZ-3B/YZ-1 Beidou 3 I3Q
Launch site: Xichang, China

June25. 0330UTC Falcon Heavy **STP-02, FORMOSAT-7 (6 sat)**
Launch site: Cape Canaveral, USA

June27. 0430UTC Electron **"Make it rain" Prometheus (x2), ACRUX-1, BlackSky Global-3, 2xSpaceBEE**
Launch site: Kaitorete Spit, New Zeland

June28. 1227UTC Atlas 5 **AEHF 5**
Launch site: Cape Canaveral, USA

June?? CZ-4B ZY-2D Ziyuan-2D
Launch site: Taiyuan, China

June?? CZ-2D SJ-19 Shijan-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

?? CZ-3B/G2 TCSTAR 1 **100**
?? CZ-11 Zhuhai-1 Group-3
?? Soyuz-2-1V ??
?? Soyuz-2-1B/Fregat M Meridian 18L

July05. 0541UTC Soyuz-2-1B/Fregat-M **Meteor M-2-2, Ionosfera 3, Ionosfera 4**
Launch site: Восточный (Vostochniy) Cosmodrome, Russia

July06. 0153GMT Vega VV15 **Falcon Eye 1**
Launch site: Kourou, French Guiana

July12. 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. Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan

July14. 2121UTC GSLV Mk III D3 **Chandrayaan 2**
Launch site: Satish Dhawan Space Centre, Sriharikota, India

??July15. 2137UTC Proton-M/Briz-M **Blagovest 4**
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan



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July15.	Jielong-1 JL-1	Tianqi-2, CAS-7B/BP-1P	
Launch site: Jiuquan , China			
July20. 1628UTC	Soyuz FG	Soyuz MS 13 (S60/61)	
CDR: Александр Александрович Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA)			
July21. 2332UTC	Falcon 9	Dragon SpX-18	
Launch site: Cape Canaveral , USA			
July24. 1930UTC	Ariane 5 ECA VA249	Intelsat 39 / EDRS-C (Hylas 3)	
Launch site: Kourou , French Guiana			
July25. 1500UTC	Delta IV	GPS IIIA-2	
Launch site: Cape Canaveral , USA			
July31. 1231UTC	Soyuz-2	Progress MS 12	
July??	KZ-1A	??	
Launch site: Jiuquan , China			
July??	Hyperbola-1	SQX-1	7 satellites
Launch site: Jiuquan , China			
July???	CZ-3A	Beidou 3 MEO M19, Beidou 3 MEO M20	
Launch site: Xichang , China			
July???	PSLV C48 - XL	RISAT-2BR1	
Aug22.	Soyuz-2 1A	Soyuz 14 GVK	
Aug??	Falcon 9	Amos 17	
Launch site: Cape Canaveral , USA 80			
Aug??	SSLV D1	Two defence sats	
Aug??	PSLV C47	CARTOSAT-3, NEMO-AM	
Aug??	Electron	KSM-1, KSM-2, KSM-3 (Kleos Scouting Mission)	
??	CZ-3B/E	Apstar-6D	
Sep01.	Cosmic Girl / LauncherOne	Test Launch	
Launch site: Spaceport America , USA			
Sep05.	Vega SSMS POC (Small Spacecraft Mission Service Proof Of Concept)		
Sep11.	H-2B (F9)	HTV8	
Sep17.	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	
Launch site: Cape Canaveral , USA			
Sep25.	Soyuz-2-1A	Soyuz MS 15 (S61/62)	
CDR : Олѐг Ива́нович Скрѝпочка , (Oleg Ivanovich Skripotscka), ??Christopher J. Cassidy , Hazzaa Al Mansouri			
Sep??	GSLV MK II F12	GISAT -1	
Sep???	Falcon 9	JCsat 18	
??	Atlas 5 551 (AV-086)	AEHF-6	



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??	Ariane 5	Inmarsat-5 F5 (GX-5)	
??	Electron	BlackSky Global 4	
??	Electron	Dove / Flock-y	
Oct15.	Soyuz ST B/Fregat-MT	Cosmo-SkyMed Secon Gen 1	CSG-1 / CHEOPS
	(Characterising ExOPlanet Satellite)		
Oct19.	Antares 230	Cygnus OA-12	
Oct??	Falcon 9	GPS IIIA-3	
Oct??	Atlas 5 551	STP-03	
Oct??	SSLV D2	Demo 2	60
Oct??	PSLV	RISAT-2BR2	
Oct??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	CZ-4B	CBERS-4° A	
Nov15.	Falcon 9 (SPx-DM2)	Dragon v2	
	CDR: Robert Benkhen , Doug Hurley		
Nov20.	Proton-M/Briz-M	Elektro L – 3	
	Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan		
Nov20.	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)	
Nov30.	Atlas 5 422 (AV082) CST-100 Starliner		
	CDR: Michael Fincke , Chris Ferguson , Nicole Aunapu Mann		
Nov??	Vega	Falcon Eye 2	
Nov??	GSLV	GISAT -2	
Nov??	CZ-2D	ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite)	
Nov??	Falcon 9	Anasis II	
??	Ariane 5	JCSat 17	
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)	
??	CZ-6A	Satellogic (1-13)	
??	Minotaur 1	NROL 111	
??	Falcon 9	SiriusXM SX7	
??	Minotaur IV	NROL 129	
Dec04.	Falcon 9 FT	Dragon SpX-19	
Dec05.	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)	
Dec20.	Soyuz-2	Progress MS 13	40
Dec??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M	
	Launch site: Плесецк (Plesetsk) Cosmodrome, Russia		
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/ Briz M	Kosmos	
Dec??	CZ-5 Y3	SJ-20 (DFH-5 platform)	



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??	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	
??	Soyuz-2-1B/ Fregat M	Meridian 19L	
??	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	
??	CZ-2D	GF-7 Gaofen-7	
??	CZ-11	Fengtai Shaonian-02	
??	CZ-3B/G2	ZX-18 Zhongxing-18	



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7 + 11
34 + 108

2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20

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

?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C

?? [Ariane 5](#) ECA GSAT-20

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

Feb?? H-2B (F10) HTV9

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

Feb?? [Soyuz-2](#) [Progress MS](#) 14

Feb?? [GSLV](#) GSAT - 32

Feb?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32) 120

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

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

?? [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

?? [Ariane 5](#) ECA GSAT 30

Mar20. [Soyuz 2-1A](#) [Soyuz MS 16 \(S62/63\)](#)

CDR: Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич

Бабкин (Andrei **Babkin**), Hoshide

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

?? [Soyuz-2-1B/Fregat](#)-M Glonass M 59

?? [Soyuz-2-1B/Fregat](#)-M Glonass M 60

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)

100

May?? [Falcon 9](#) [Dragon v2](#) (USCV-1)

Cdr: Victor **Glover**, Mike **Hopkins**, Soichi **Noguchi**

May?? [Soyuz-2](#) 1B Progress M-UM



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May??	Ariane 62	CSO-2	
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	
??	Vega	Seosat (Ingenio)	
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 / Fregat	Arktika-M	
??	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	80
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	
Oct??	Soyuz-2 1B / Fregat-M	Gonets x 3 (No 27,28,29)	
??	Falcon 9	SARah 1	
??	Angara A5/ DM 03(Persei)	Kosmos	
Nov??	Atlas 5 402	CST 100 Starliner (USCV-2)	
	Cdr: John Cassada , Sunita Williams		
Nov??	Soyuz-2	Progress MS 15	
Nov??	Soyuz-2 1B / Fregat-M	Resurs N°4	
??	SLS-1	Orion (unmanned trip around the Moon)	Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
??	Proton-M	MLM	



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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??	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	
??	Angara 1.2	Kosmos	
??	Zenit 3 SL / Fregat -SB	Lybid'	
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan			
??	Ariane 5	Arsat 3	



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??	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)**

Mar?? [Atlas 5](#) 411 SBIRS-GEO 5

Apr?? Ariane 62 Galileo-FOC FM23, Galileo-FOC FM24



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

?? [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

Nov?? [Atlas 5](#) 402 USCV-4 (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??	CZ-3B/G2	LSTSAT (Nicasat 1)
??	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 \(JUPiter ICy moon Explorer\)](#)

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCv-5 (US Commercial Vehicles)

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
Aug??	Atlas 5 411	SBIRS-GEO 6
Sep30.	Soyuz-2-1A	Soyuz MS 20
Nov??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
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
May??	Atlas 5 402 / Falcon 9	USCV-7 (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](#)
- Nov??** [Atlas 5](#) 402 / [Falcon 9](#) USCVC-8 (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](#)
- May??** [Atlas 5](#) 402 / [Falcon 9](#) USCVC-9 (US Commercial Vehicles)
- ?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
- Sep30.** [Soyuz-2-1A](#) [Soyuz MS 24](#)
- Oct?? EELV GOES-U



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Nov??	Atlas 5 402 / Falcon 9	USCV-10 (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
??	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		
May??	Atlas 5 402 / Falcon 9	USCV-11 (US Commercial Vehicles)
Nov??	Atlas 5 402 / Falcon 9	USCV-12 (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.



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- May?? [Atlas 5](#) 402 / [Falcon 9](#) USCX-13 (US Commercial Vehicles)
- Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCX-14 (US Commercial Vehicles)
- June?? [Angara](#) A5P/KVTK A mission to Venus (*Venera D*) 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](#)