



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (8.4.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **08.Apr.2019**.

Apr09. 2236UTC [Falcon H](#) Arabsat 6A
Launch site: [Cape Canaveral](#), USA

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

Apr20. [CZ-3A](#) [Beidou 3 1G](#)

Apr25. 1020UTC [Falcon 9](#) [Dragon SpX-17](#)
Launch site: [Cape Canaveral](#), USA

Apr27. [Shuang Quxian-1](#) ??

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

Apr?? ?? GOES-T 120

Apr?? [CZ-2D](#) SJ-19 Shijan-19

Apr?? [Electron](#) "That's a Funny Looking Cactus"

?? [Soyuz-2-1B/Fregat](#) M Meridian 18L
?? [CZ-3C](#) [Beidou 3 2G8](#) 120

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
May?? [Soyuz-2-1B/Fregat](#) Glonass M/ 58
May?? [Falcon 9](#) Starlink 1
May?? [Electron](#) BlackSky Global 4
May?? [PSLV](#) C46 RISAT-2B
May?? [Electron](#) Dove / Flock-y

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



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- June22.** [CZ-4B](#) **ZY-2D Ziyuan-2D**
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?? [Soyuz-2-1B](#) Arktika M 1
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?? [Proton-M/Briz-M](#) Ямал-601
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- June?? [CZ-11](#) - SL CAS 6
June?? [Falcon 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](#) ??
- 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)



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July??	PSLV	RISAT-2BR1	
July??	Ariane 5 ECA VA249	Intelsat 39 / GSAT 30	
July??	Ariane 5 ECA	EDRS-C (Hylas 3)	
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 Skripotcka), Christopher J. Cassidy , 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	GEO-KOMPSAT-2B , Cheollian 2B	
??	Ariane 5 ECA	Eutelsat Quantum	



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??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)	
??	CZ-6A	Satelllogic (1-13)	
??	Vega	Seosat (Ingenio)	
??	Minotaur 1	NROL 111	
??	Falcon 9	SiriusXM SX7	
??	Minotaur IV	NROL 129	40

Dec04. [Falcon 9 FT](#) [Dragon SpX-19](#)

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 20

?? [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

?? CZ-6A HY-2D Haiyang-3A



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??	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

?? CZ?? CAS-7A, CAS-7B
Launch site: [Jiuquan](#), China

3 + 15
20 + 123

2020.

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

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



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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 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
??	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



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Nov?? [Soyuz-2](#) [Progress MS](#) 15
 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	
??	??	EX-4	60
??	??	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 15
 ?? [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



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??	Soyuz-2-1B/Fregat M	Meridian 19L	
??	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



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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)
??	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 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	HЭM-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



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??	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 \(JUper ICy moon Explorer\)](#)

Apr??	CZ-3B/G2	LSTSAT (Nicasat 1)
June04.	SLS Block I	Orion: Exploration Mission 2 (Crew to Cislunar) Mission
June??	Ariane 5	MTG-I2



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??	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
??	Soyuz-2	Progress MS 23



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- ?? [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](#) 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
- ?? [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 (*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)

2069.

?? ?? [Interstellar mission](#)