



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (10.12.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 10.Dec.2018.

Dec13. [Electron](#) **ELaNa XIX**

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

Dec15. [CZ-4B](#) **ZY-2D Ziyuan-2D**

Launch site: [Taiyuan](#), China

Dec18. 1424UTC [Falcon 9](#) **GPS III-1**

Launch site: [Cape Canaveral](#), USA 20

Dec18. 1637UTC [Soyuz ST B/Fregat-MT \(VS20\)](#) **CSO 1 (Composante Spatiale Optique-1)**

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

Dec19. [GSLV MK II](#) **F12** **GSAT-7A**

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

Dec21. 2212UTC [Proton-M/Briz-M](#) **Blagovest 13**

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Dec25. **CZ-3C** **TJS 3**

Launch site: [Jiuquan](#), China

Dec26. [KZ-1A](#) **??Jilin 1-09**

Launch site: [Jiuquan](#), China

Dec27. 0207UTC [Soyuz-2 1A / Fregat Kanopus V 5, Kanopus V 6](#)

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

Dec?? [Delta 4-H](#) NROL-71 [KH11](#) 17 (Cristal 17)

Launch site: [Vandenberg](#), USA

Dec?? [CZ-2D](#) GF-7 Gaofen-7

Dec?? [CZ-11](#) CAS-6

?? ?? Taurus-1

Launch site: [Taiyuan](#), China

?? [CZ-11](#) LOVEcho

?? [CZ-11](#) Fengtai Shaonian-02

?? [CZ-2D](#) NuSat 6, 7, 8

?? 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-2D](#) Jilin-2 JL-2

?? [CZ-2D](#) Jilin-3 JL-3

?? CZ Huaizong-1

?? CZ Hongyan-1



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?? [CZ-11](#) Lingque 1,2

20 + 1
103 + 23

2019.

Jan17. 0050UTC [Epsilon](#) (4) **Inovative Technology Demonstration Satellite – 1, OrigamiSat-1**

Launch site: [Tanegashima](#), Japan 160

Jan18. 0100UTC [Falcon 9](#) (SPx-DM1) **Dragon v2 unmanned test**

Jan23. 2340UTC [Delta IV-M](#) (5,4) **WGS 10**

Jan23. [Ariane 5](#) ECA VA247 **Hellas-Sat-4,SGS1 (SaudiGeoSat1) / GSAT 31**

Jan31. [GSLV](#) Mk II D9 **Chandrayaan 2**
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Jan?? [Falcon 9](#) [Iridium Next](#) Flight 8 (x10)
Launch site: [Vandenberg](#), USA

Jan?? [Falcon 9](#) PSN VI
Jan?? [Falcon H](#) Arabsat 6A
Jan?? [PSLV](#) C44 EMIsat

?? Pegasus-XL ICON ([Helio EX-1](#))
??Launch site: [Cape Canaveral](#), USA

?? [Soyuz-2](#) 1B /[Fregat](#)-M Neutron (Kosmos)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

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

Feb07. [Soyuz ST B/Fregat](#)-MT (VS21) **OneWeb smalsat (x10)**

Feb07. 1647UTC [Soyuz-2-1B](#) **EgyptSat A**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Feb17. [Falcon 9](#) [Dragon](#) SpX-17

Feb18. [Falcon 9](#) **Radarsat C-1, -2, C-3**
Launch site: [Vandenberg](#), USA

Feb?? [Vega](#) (VV14) [Prisma](#)
Launch site: [Kourou](#), French Guiana

Feb?? [CZ-3C](#) [Beidou 3](#) I1Q
Feb?? [PSLV](#) C46 Cartosat 3

?? [Soyuz-2](#)-1B Arktika M 1
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

?? LauncherOne Test Launch



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Launch site: [Spaceport America](#), USA

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??	CZ-3B/E	Apstar-6D
??	Ariane 5 ECA	Eutelsat 7C
??	Electron	Outernet 2,3
??	Soyuz-2-1B/Fregat M	Meridian 18L
??	PSLV C45	RISAT-2B

Mar01. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Christina **Hammock Koch**, Tyler N. **Hague**

Mar28. [Soyuz-2](#) [Progress MS 11](#)

Mar??	PSLV C47	RISAT-2BR1
Mar??	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)

?? [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

??	CZ-3C	Beidou 3 G1Q
??	CZ-3B/YZ-1	Beidou 3 MEO M17, Beidou 3 MEO M18
??	CZ-3B/YZ-1	ZX-6C Zhongxing-6C
??	Soyuz ST B/Fregat-MT	O3b (FM17-20)
??	CZ-5 Y3	SJ-18 02 (DFH-5 platform)

Apr04. [Delta IV](#) [GPS IIIA-2](#)

Apr11. [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.

Apr17. [Antares 230](#) [Cygnus 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 120

Apr??	??	GOES-T
Apr??	CZ-3B/E	Nicasat 1
Apr??	CZ-3C	Beidou 3 I2Q

?? [Falcon Heavy](#) STP-02, FORMOSAT-7 (6 sat)

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

May??	Ariane 5 ECA	EDRS-C (Hylas 3)
May??	Proton-M/Briz-M	Ямал-601
May??	Ariane 5	GSAT-30
May??	Proton-M/Briz-M	Eutelsat 5 West B / MEV

June?? [Falcon 9](#) (SPx-DM2) Dragon v2

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



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June??	CZ-5 B	Test flight	
June??	Falcon 9	SAOCAM-1B, SAOCAM-1C	
??	CZ-3B/G2	TECSTAR 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	100
??	CZ-4B	CBERS-4° A	

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-3C	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)
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

Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1
Sep??	Ariane 5 ECA	GSAT-20
??	Atlas 5 551 (AV-086)	AEHF-6
??	Soyuz ST B/Fregat -MT	OneWeb smalsat (x32)

Late - inaugural flight - Vega-C - Kourou ZLV

Oct01. Antares 230 Cygnus 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 80

Oct18. Soyuz-2-1A Soyuz MS 15 (S61/62)
 CDR : Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**), Christopher J. **Cassidy**

Oct?? [Proton-M/Briz-M](#) Elektro L – 3
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan



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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)	
Oct??	Falcon 9	GPS IIIA-3	
??	Ariane 5	JCSat 17	
??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B	
??	Ariane 5 ECA	Eutelsat Quantum	
Nov30.	Proton-M	MLM	
??	Falcon 9	GPS IIIA-4	
??	Vega	Seosat (Ingenio)	
??	Vega - C	??	
Dec02.	Soyuz-2	Progress MS 13	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
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	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Falcon 9	Astrium active 3x SARah satellite	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	60
??	??	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	
??	Vega	Falcon Eye 1	
??	Vega	Falcon Eye 2	
??	Proton-M/Briz-M	SkyTerra 2	
??	Proton-M/Briz-M	Yenisey A1	
??	Proton-M/Briz-M	Ямал-501	
??	Proton-M/Briz-M	EutelSat	
??	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	40
??	Proton-M	PTK NP	



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??	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-3F Fengyun-3F (Batch 2)	
??	CZ	FY-3 Fengyun-3 RM-2	
??	CZ-4B	HY-2D Haiyang-2D	
??	CZ-2C	HY-1D Haiyang-1D	
??	CZ	Sun Fixed-Point Observation	
??	CZ-4B	HY-2C Haiyang-2C	
??	CZ	CBERS-SAR 1	
??	??	Hainan-1 (1)	
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	
??	CZ-2D	SJ-12 Shijian-12 (2)	20
??	CZ-2D	TH-2 Tianhui-2	
??	CZ-2C	CSES-1 Earthquake electromagnetism monitor satellite	
??	??	VeneSat-2	
??	CZ-3B/E	CC-1 Changcheng-1	
??	CZ	Deep Space Solar Observatory	
??	CZ-2	CAS-2A1, CAS-2A2	
??	CZ-3B/E	CongoSat 1	
??	CZ	FY-3E Fengyun-3E	
??	CZ	FY-4B Fengyun-4B	
??	CZ-??	CAS-4A, CAS-4B	
Launch site: Taiyuan , China			
??	CZ	Orbita-1 1	
??	KZ-1A	Jilin 1-10	
??	KZ-1A	Jilin 1-11	
??	KZ-1A	Jilin 1-12	
??	GSLV MK II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	PSLV	ScatSat, NovaSAR	
??	Simorgh	Dosti	
Launch site: Semnan , Iran			



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?? [Safir 1 B](#) Tadbir
 ?? Safir 3A Pars sepher

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2020.

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

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

Feb?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2)
 Cdr: John **Cassada**, Sunita **Williams**

Feb?? H-2B (F10) HTV9

?? [Vega](#) SSMS – 2 (Small Spacecraft Mission Service)

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: **Рыжиков** (Sergei Ryshikov), Thomas **Marshburn** (NASA), Soichi **Noguchi** (JAXA)

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)

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

?? [CZ-3B/G2](#) ZX-18 Zhongxing-18

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](#)



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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

?? CZ-2F/G SZ-13 Shenzhou-13
 ?? [Falcon 9](#) GPS IIIA-5

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
 ?? ?? ACE
 ?? ?? HypIRI
 ?? 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

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



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??	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
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)
??	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
??	??	Hainan-1 (4)
??	??	Hainan-1 (5)
??	??	Hainan-1 (6)
??	??	Sanya-1 (1)
??	??	Sanya-1 (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)



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?? H-IIA Inmarsat-6 F1

2021.

Feb?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

Feb?? [Soyuz-2](#) [Progress MS](#) 16

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](#) USCV-5 (US Commercial Vehicles)

Sep30. [Soyuz-2-1A](#) [Soyuz MS 18](#)

Sep?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EP-SG-a/Sentinel-5A

Sep?? [Falcon 9](#) SWOT

Oct?? [Atlas 5](#) 401/[Falcon 9](#) v1.1 JPSS Free Flyer 2 (TSIS-2)

Dec?? [Vega](#) C KOMPSAT 7

?? [Ariane 5](#) MTG-I1

?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-2

?? [Falcon 9](#) GPS IIIA-6

?? [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



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

June04. [SLS Block I](#) [Orion: Exploration Mission 2 \(Crew to Cislunar\) Mission\)](#)

June??	Ariane 5	MTG-I2
??	Sunkar ??	
??	Soyuz-2	Progress MS 20



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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
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)
??	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
Feb??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
Mar30.	Soyuz-2-1A	Soyuz MS 21
??	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
Aug??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)



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- 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.
- ?? [Soyuz-2](#) 1b Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover
- ?? [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

2024

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



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??	Soyuz-2	Progress MS	25
??	Soyuz-2	Progress MS	26
??	Soyuz-2	Progress MS	27
??	Soyuz-2 1b	Luna28 (Luna-Grunt-1)	delivering a new-generation rover for gathering, analysis and uploading of samples
??	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/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
??	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.



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[Interstellar mission](#)