



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (8.10.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **08.Oct.2018**. Next change on **17.Oct**.

Oct09. 0236UTC [CZ-2C](#) YG-32 [Yaogan Weixing](#) 32 (group of three satellites)
Launch site: [Jiuquan](#), China

Oct11. 0840UTC [Soyuz-2 1A](#) [Soyuz MS 10 \(S57/58\)](#)
CDR: Алексей Николаевич **Овчинин** (Aleksei Nikolaevich **Ovchinin**), Tyler Hague
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Oct14. [CZ-3B/YZ-1](#) [Beidou 3 MEO M15](#), [Beidou 3 MEO M16](#)
Launch site: [Xichang](#), China

Oct17. 0415UTC [Atlas 5 \(551\) \(AV073\)](#) [AEHF-4](#)
Launch site: [Cape Canaveral](#), USA

Oct19. [Soyuz-2-1B/Fregat-M](#) [Lotos S1](#)
Launch site: [Плесецк \(Plesetsk\)](#) Cosmodrome, Russia

Oct20. 0145UTC [Ariane 5](#) ECA (VA245) [BepiColombo](#) ESA and ISAS Mercury Orbiters
Launch site: [Kourou](#), French Guiana 60

Oct25. [CZ-3B/YZ-1](#) [Beidou 3 MEO M17](#), [Beidou 3 MEO M18](#)
Launch site: [Xichang](#), China

Oct26. 0700UTC [Pegasus-XL](#) [ICON \(Helio EX-1\)](#)
Launch site: [Cape Canaveral](#), USA

Oct27. [Zhuque-1 \(ZQ-1\)](#) [CCTV Weilai-1 \(Future 1\)](#)
Launch site: [Wenchang](#), China

Oct29. 0408UTC [H-2A \(F40\)](#) [GOSAT-2](#)
Launch site: [Tanegashima](#), Japan

Oct29. [CZ-2C](#) [CFOSAT \(China-France Oceanography SATellite\)](#)
Launch site: [Jiuquan](#), China

Oct31. 0053 UTC [Soyuz-2 1A](#) [Progress MS 10](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Oct?? CZ-4B HY-2B Haiyang-2B

?? CZ-?? CAS-5A, CAS-5B
Launch site: [Jiuquan](#), China

Nov03. [Soyuz-2-1B/Fregat-M](#) [Glonass-M 57](#)

Nov07. 0048UTC [Soyuz ST B/Fregat-M VS19](#) [MetOp-C](#)
Launch site: [Kourou](#), French Guiana

Nov15. 0949UTC [Antares 230](#) [Cygnus Orb-10E](#)



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Nov17.	LauncherOne	Test Launch	
Nov19.	Falcon 9	Spaceflight SSO-A	
Launch site: Vandenberg , USA			
Nov20.	Vega (VV13)	MN35-13 B Morocco EO Sat 1 2	
Launch site: Kourou , French Guiana			
Nov20.	CZ-3B/YZ-1	Beidou 3 G8	
Nov22.	PSLV C43	HySIS	
Nov25.	KZ-1A	Jilin 1-09	
Nov27.	1119UTC Falcon 9 FT	Dragon SpX-16	
Nov?? Electron	Outernet 1, Lemur		
Launch site: Kaitorete Spit , New Zeland			
Nov??	CZ-2D	Jiading-1	40
Nov??	GSLV MK III D2	GSAT-29	
Nov??	Falcon 9	Es'hail 2	
Nov??	CZ-11	Lingque 1,2	
??	Falcon 9	Iridium Next Flight 8 (x10)	
Launch site: Vandenberg , USA			
Dec03.	Delta 4-H	NROL-71 KH11 17 (Cristal 17)	
Launch site: Vandenberg , USA			
Dec04.	Ariane 5 VA246	GSAT-11 / GEO-KOMPSAT-2A (GK2A, Cheollian 2A)	Launch site: Kourou , French Guiana
Dec06.	Soyuz-2-1B/Fregat-M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	
Launch site: Восточный (Vostochniy) Cosmodrome, Russia			
Dec08.	CZ-3B/GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)	
Dec15. 0408UTC	Falcon 9	GPS III-1	
Dec15.	CZ-4B	ZY-2D Ziyuan-2D	
Dec17.	Soyuz ST B/Fregat-MT (VS20)	CSO 1 (Composante Spatiale Optique-1)	
Launch site: Kourou , French Guiana			
Dec20. 0452UTC	Soyuz-2 1A Soyuz MS 11 (S58/59)		
CDR: Олэг Дмíтриевич Кононёнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques			
Dec23. 1208UTC	Soyuz-2 1B /Fregat-M	Neutron (Kosmos)	
Dec25.	Soyuz-2 1A / Fregat Kanopus V 5, Kanopus V 6		
Dec27.	Soyuz-2-1B	EgyptSat A	



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Dec29. CZ-4C ??

Dec?? [Electron](#) ELaNa XIX
Launch site: [Kaitorete Spit](#), New Zeland

Dec?? [Soyuz-2-1B/Fregat](#) M Meridian 18L
Dec?? [PSLV](#) C44 EMIsat
Dec?? [CZ-2D](#) GF-7 Gaofen-7 **20**
Dec?? [CZ-11](#) CAS-6

?? [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

?? Minotaur-4 FORMOSAT-7 (6 sat)

?? ?? Taurus-1
Launch site: [Taiyuan](#), China

?? CZ?? Tianzhi-1
?? [CZ-11](#) LOVEcho
?? [CZ-11](#) Fengtai Shaonian-02
?? [CZ-2D](#) NuSat 6, 7, 8
?? [CZ-2D](#) SaudiSAT 5B

?? [KZ-1A](#) Jilin 1-10
?? [KZ-1A](#) Jilin 1-11
?? [KZ-1A](#) Jilin 1-12

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

?? [CZ-3C](#) Tianlian-2 TL-2
?? [CZ-2D](#) Jilin-2 JL-2
?? [CZ-2D](#) Jilin-3 JL-3
?? CZ Huaizong-1

?? [Simorgh](#) [Dosti](#)
Launch site: [Semnan](#), Iran

17 + 5
76 + 65

2019.

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

Jan30. [GSLV](#) Mk II D9 Chandrayaan 2
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Jan?? [CZ-5](#) Y3 SJ-18 02 (DFH-5 platform) **160**
Jan?? [PSLV](#) C45 RISAT-2B
Jan?? [Falcon H](#) Arabsat 6A



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?? [Epsilon](#) (4) Inovative Technology Demonstration Satellite – 1, OrigamiSat-1
Launch site: [Tanegashima](#), Japan

??	Falcon 9	PSN VI
??	Soyuz ST B/Fregat -MT	CHEOPS (Characterising ExOPlanet Satellite)
??	CZ-11	Zhuhai-1 Group-3
??	Ariane 5 ECA	Hellas-Sat-4
??	Ariane 5 ECA	GSAT 31
??	Falcon 9 (SPx-DM1)	Dragon v2 unmanned test

Feb08. 0920UTC [Soyuz-2](#) [Progress MS 11](#)

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

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

Feb??	CZ-3C	Beidou 3 I1Q
Feb??	Atlas 5 551 (AV-086)	AEHF-6
Feb??	Proton-M/Briz-M	Ямал-601
Feb??	PSLV C46	Cartosat 3
Feb??	Soyuz ST B/Fregat -MT	OneWeb smalsat (x10)

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

??	Vega	SSMS POC (Small Spacecraft Mission Service Proof Of Concept)	
??	CZ-3B/E	Apstar-6D	140
??	Ariane 5 ECA	Eutelsat 7C	
??	Electron	Outernet 2,3	
??	GSLV MK II F12	GSAT-7A	

Mar??	Proton-M/Briz-M	EutelSat 5 West B / MEV
Mar??	PSLV C47	RISAT-2BR1
Mar??	Falcon Heavy	STP-02
Mar??	1900UTC Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)

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

??	Soyuz ST B/Fregat -MT	OneWeb smalsat (x32)
??	Soyuz-2-1B/Fregat	Glonass K2 / 13
??	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
??	Proton-M/Briz-M	Blagovest 13

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

Apr05. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)
CDR: Олѐг Ива́нович Скри́почка, (Oleg Ivanovich Skripotscka), Christina Hammock Koch, Hazza Al Mansouri/Sultan Al Nayadi

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



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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](#)

Apr?? ?? GOES-T
 Apr?? [CZ-3B/E](#) Nicasat 1 120
 Apr?? [CZ-3C](#) [Beidou 3](#) I2Q

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

May?? CZ CBERS-4A
 May?? [Ariane 5](#) ECA EDRS-C (Hylas 3)

June05. [Soyuz-2](#) [Progress MS 12](#)

June?? [Falcon 9](#) (SPx-DM2) Dragon v2
CDR: Robert **Benkhen**, Doug **Hurley**

June?? [CZ-5 B](#) Test flight
 June?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C

?? [CZ-3B/G2](#) TECSTAR 1
 ?? SSLV ??
 ?? [Soyuz ST](#) B/Fregat-MT [O3b](#) (FM17-20)
 ?? [GSLV](#) MK II F10 GISAT
 ?? [Ariane 5](#) Inmarsat-5 F5
 ?? [Ariane 5](#) ECA Eutelsat Quantum
 ?? [Soyuz ST](#) B/Fregat-MT Cosmo-SkyMed Secon Gen 1 CSG-1
 ?? [Ariane 5](#) ECA Intelsat 39
 ?? [Soyuz-2-1B/ Fregat-M](#) Glonass K 15
 ?? Minotaur 1 NROL 111
 ?? [Atlas 5](#) AEHF 5

July23. [Soyuz FG](#) [Soyuz MS 13 \(S60/61\)](#)

CDR: **Александр Александрович Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA) 100

July?? [CZ-3C](#) [Beidou 3](#) I3Q
 July?? H-2B (F9) HTV8
 July?? [Atlas 5](#) 551 STP-03

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**

Aug?? [Soyuz ST](#) B/Fregat-MT EarthCare

Sep04. [Soyuz-2 1A](#) [Soyuz 14 GVK](#)

Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1



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Late - inaugural flight - Vega-C - Kourou ZLV

Oct08. Soyuz 2-1A Soyuz MS 15 (S61/62)

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

Oct?? Proton-M/Briz-M Elektro L – 3

Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan

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?? Soyuz-2 1B /Fregat-M Resurs N°5

Oct?? Falcon 9 FT Dragon SpX-19

Oct?? Falcon 9 GPS IIIA-3

?? Ariane 5 JCSat 17

?? Ariane 5 ECA GEO-KOMPSAT-2B , Cheollian 2B

Nov08. Proton-M MLM 80

?? Soyuz-2-1B/Fregat-M Glonass K2 / 14

?? Proton-M/Briz-M Blagovest 14

?? Falcon 9 GPS IIIA-4

?? Vega Seosat (Ingenio)

?? Vega - C ??

Dec04. 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

?? Atlas 5 551 AFSPC-7 (X-37B OTV 6)

?? Falcon 9 Astrium active 3x SARah satellite

?? Atlas 5 551 Asteroid Retrieval Spacecraft (ARS)

?? ?? 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

?? Ariane 5 GSAT-30

?? Vega OpSis

?? Vega Falcon Eye 1 60

?? Vega Falcon Eye 2

?? Proton-M/Briz-M SkyTerra 2

?? Proton-M/Briz-M Yenisey A1

?? Soyuz-2 1B /Fregat-M Glonass-M 61

?? Proton-M/ DM-03 Glonass-M/ 56,57,58

?? Soyuz-2 1B /Fregat-M Glonass K1 / 17

?? Soyuz-2 1B /Fregat-M Glonass K1 / 16

?? Proton-M/ DM-03 Glonass K



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??	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	
??	Proton-M	PTK NP	
??	Soyuz-2-1B	Obzor R -1	40
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2-1B	Pion	
??	Soyuz-2-1B/ Fregat -M	Glonass K2	
??	Soyuz-2-1B/Fregat	Glonass K2	
??	Proton-M/ DM-03	Glonass-M	
??	Soyuz-2-1B	Arktika	
??	Soyuz-2 1B / Fregat -M	Resurs №4	
??	Soyuz-2-1B/Fregat -M	Kondor-FKA n.º 1	
??	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	20
??	??	Hainan-1 (1)	
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	
??	CZ-2D	SJ-12 Shijian-12 (2)	
??	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	



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?? [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

?? [GSLV](#) MK II F11 GSAT-10A
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

?? [PSLV](#) ScatSat, NovaSAR

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

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2020.

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

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

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



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??	CZ-3B/G2	ZX-18 Zhongxing-18
June??	SLS-1	Orion (unmanned trip around the Moon)
Orbit (DRO)	Tactical DRM	Exploration Mission 1 (Distant Retrograde)
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
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)
??	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).
??	??	SWOT
??	??	PACE
??	??	EX-4
??	??	ACE
??	??	HyspIRI
??	Antares	IMAP/STP-05



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??	Falcon 9 FT	Dragon SpX-22
??	Antares 230	Cygnus OA-12
??	Falcon H	ViaSat 3
??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)
??	Proton-M	H3M-1
??	Soyuz-2-1B/Fregat-M	Glonass M 55
??	Soyuz-2-1B/Fregat-M	Glonass-M/ 53
??	Soyuz-2-1B/Fregat	Glonass M/ 58
??	Soyuz-2-1B/Fregat	Glonass M / 59
??	Proton-M/ DM-03	Glonass-M/ K18,K19,K20
??	Soyuz-2-1B/Fregat-M	Resurs PM - 1
??	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
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картограф-ОЭ №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)



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??	??	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)
??	H-IIA	Inmarsat-6 F1

2021.

Feb?? [Atlas 5](#) 402 USCVC-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)

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

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

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

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



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??	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	
??	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
??	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 USCVC-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 \(JU\)piter \(JU\)piter ICy moon Explorer\)](#)

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 5 402 / 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 (unmanned)	
??	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
??	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



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- ?? [Ariane 5](#) MTG-S2/Sentinel-4A
- Aug??** [Atlas 5](#) 402 / [Falcon 9](#) USCV-9 (US Commercial Vehicles)
- 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 (unmaned 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](#) 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
- ?? [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 Vechile)
- Aug??** [Atlas 5](#) 402 / [Falcon 9](#) USCV-11 (US Commercial Vehicles)
- Sep30.** [Soyuz-2-1A](#) [Soyuz MS 24](#)
- Oct?? EELV GOES-U



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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	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)



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2069.

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[Interstellar mission](#)