



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (25.10.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **25.Oct.2017**.

- Oct30. 1934UTC** [Falcon 9](#) FT [KoreaSat 5A](#)
Launch site: [Cape Canaveral](#), USA
- Oct31. 2137UTC** [Minotaur-C](#) XL [SkySat 8/9/10/11/12](#)
Launch site: [Vandenberg](#), USA
- Nov03.** [CZ-3B/YZ-1](#) [Beidou 3](#) M1& M2
Launch site: [Xichang](#), China
- Nov08. 0142UTC** [Vega](#) (VV11) MN35-13 ([Morocco EO Sat 1](#))
Launch site: [Kourou](#), French Guiana
- Nov10. 0947UTC** [Delta II 7920-10C](#) [JPSS-1](#) 40
Launch site: [Vandenberg](#), USA
- Nov11. 1237UTC** [Antares](#) 230 [Cygnum](#) Orb-8
Launch site: [Wallops Island](#), USA
- Nov15.** [CZ-4C](#) FY-3 [Fengyun-3 D](#)
Launch site: [Jiuquan](#), China
- Nov16.** [Falcon 9](#) FT [Mission 1390 - Zuma \(no info about!!\)](#)
Launch site: [Cape Canaveral](#), USA
- Nov21.** CZ-6 HY-3A Haiyang-3A
Launch site: [Taiyuan](#), China
- Nov28.** [Soyuz-2-1B/Fregat-M](#) [Meteor M-2-1](#), two MKA N, Ionosfera 1, Ionosfera 2
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia
- Nov?? CZ-11 Jilin(x2), Fengtai Shaonian 02
- ?? [Rokot / Briz KM](#) [Gonets](#) x 3 (No 24,25,26), Blits-M
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia
- ?? Epsilon (3) ASNARO 2
Launch site: [Tanegashima](#), Japan
- ?? [Rokot / Briz KMGeo IK 2](#)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia 30
- Dec04. 1952UTC** [Falcon 9](#) FT [Dragon](#) SpX-13
Launch site: [Cape Canaveral](#), USA
- Dec07. Zenit 3-SLB / DM-SLB** [AngoSat](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan



Blog Gorana Hudeca

Dec08. 1528UTC Pegasus-XL ICON (Helio EX-1)

Dec12. Ariane 5 ES (VA240) Galileo-FOC FM15 (Nicole), Galileo-FOC FM16 (Zofia), Galileo-FOC FM17 (Alexandre), Galileo-FOC FM18 (Irina)

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

Dec13. Delta IV-M+(5,2) NROL-47 (Topaz 5)

Launch site: [Vandenberg](#), USA

Dec16. PSLV XL (C40) CartoSat 2E

Dec17. 0400UTC Soyuz-2 1A Soyuz MS 7 (S54/55)

CDR: АНТОН НИКОЛАЕВИЧ Шкаплеров (Anton N. **Shkaplerov**), Norishige **Kanai**, Scott **D. Tingle**

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

Dec22. Soyuz-2 1A / Fregat Kanopus V 3, Kanopus V 4

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

Dec23. Falcon 9 FT Iridium Next Flight 4 (x10)

Launch site: [Vandenberg](#), USA

Dec?? Electron Still Testing

Launch site: [Kaitorete Spit](#), New Zeland 20

Dec?? CZ-2D GJ-3 GaoJing-3, GJ-4 GaoJing-4

Dec?? Falcon H Demo Flight

Dec?? [GSLV](#) Mk II F8 GSAT 6A

Dec?? [Falcon 9](#) Hispasat 30W-6 (1F)

?? Soyuz-2-1V Labirint 11 (Elint??)

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

?? CZ-11 TY-2, 3, 4, 5 Tianyi

Launch site: [Jiuquan](#), China

?? CZ-6 Jilin-1-04 (Lingqiao 1-04), Jilin-1-05 (Lingqiao 1-05), Jilin-1-06 (Lingqiao 1-06), Jilin-1-07 (Lingqiao 1-07)

?? CZ-2 CAS-2A1, CAS-2A2

?? CZ YG-32 Yaogan Weixing 31

?? CZ YG-32 Yaogan Weixing 32 10

?? CZ Orbita-1 1

?? ?? LJ-1 Luojia-1

?? CZ Huaizong-1

?? CZ-3B/E Alcomsat-1

?? LS-1 LandSpace-1

?? ?? CX-5 Chuangxin-5

?? H-2A (F37) GCOM-C

?? H-2A IGS Optical-6

?? Simorgh Dosti (Nahid 1??) (Payam-e Amir Kabir??)

Launch site: [Semnan](#), Iran

15 + (7)

69 + (44)



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2018.

Jan10. [Zenit 3 SL](#) / [Fregat-SB](#) Lybid'

Jan18. [Atlas 5](#) 401 (AV076) SBIRS-GEO 4

Jan24. [Ariane 5](#) ECA (VA241) AI Yah 3 / SES 14 GOLD

Jan30. [Falcon 9](#) FT PAZ

Jan?? [Proton-M/Briz-M](#) Blagovest 12
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Jan?? [Falcon 9](#) SES-16

?? [CZ-3B/YZ-1](#) ZX-6C Zhongxing-6C
Launch site: [Xichang](#), China

?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M](#)/ 52
?? [PSLV](#) ScatSat, NovaSAR
?? [CZ-3A](#) FY-2H Fengyun-2H 160
?? [CZ-2D](#) GF-6 Gaofen-6
?? [CZ-2D](#) SaudiSAT 5B

Feb01. [CZ-2D](#) ZH-1 Zengheng 1 ([ESEM experimental satellite on Electromagnetism Monitoring](#)), [Ministar-1](#), [Fengmaniu-1](#)

Feb09. [Falcon 9](#) FT [Dragon](#) SpX-14

Feb13. [Soyuz-2](#) 1A [Progress](#) MS 8

Feb20. CZ Taurus-1

?? [Falcon 9](#) FT [Iridium Next](#) Flight 5 (x10)
Launch site: [Vandenberg](#), USA

Feb?? [CZ-3B/YZ-1](#) Beidou 3 MEO M9, Beidou 3 MEO M10
Feb?? H-2B (F7) HTV7
Feb?? [Falcon 9](#) FT Bangabandhu-1
Feb?? [Falcon 9](#) FT SES-12

?? [Soyuz ST](#) B/[Fregat](#)-MT O3b
?? [Soyuz-2-1B](#) Pion
?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M3, [Beidou 3](#) MEO M4
?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M5, [Beidou 3](#) MEO M6

Mar01. [Atlas 5](#) (541) GOES-S

Mar01. [Ariane 5](#) ECA (VA242) Hylas 4, Azerspace 2 (Intelsat 38)

Mar06. [PSLV](#) C41 Team Indus Lunar Lander/ Rover, Team Hakuto Rover

Mar10. [Soyuz-2](#) 1A [Soyuz MS](#) 8 (S55/56)

CDR: Олег Германович Артемьев ([Oleg G. Artemyev](#)), Andrew J. Feustel, Ricky R. Arnold



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Mar15. [CZ-3B/GII](#)

APStar-6C

140

Mar21. [Falcon 9](#)

[Iridium Next Flight 6 \(x10\)](#)

Mar?? [GSLV](#) Mk II D9 Chandrayaan 2
 Mar?? [Rokot / Briz KM](#) Sentinel 3B
 Mar?? [Soyuz ST](#) B/Fregat-MT OneWeb smalsat (x10)
 Mar?? CZ-2C Pakistani Remote Sensing Satellite (PRSS) 1

?? [GSLV](#) MK III D2 GSAT-20
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? [Proton-M/](#) DM 3 Kosmos
 ?? SS-520-4 Tricom-1R

Apr01. [Falcon 9 \(SPx-DM1\)](#) **Dragon v2 unmanned test**

Apr18. [Atlas 5 551 \(AV81\)](#) **AFSPC-11**

Apr25. [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)
CDR: Прокопьев (Sergei V. Prokopyev), Jeanette J. Epps, Alexander Gerst

Apr?? [H-2A](#) GOSAT-2
 Apr?? Epsilon OrigamiSat-1
 Apr?? [Ariane 5](#) ECA DSN 1 (Superbird-8)

?? [Falcon 9](#) Telstar 18
 ?? [Falcon 9](#) Telstar 19 120
 ?? Falcon Heavy STP-02
 ?? [CZ-3B/YZ-1](#) Beidou 3 MEO M11, Beidou 3 MEO M12

May01. [Antares 230](#) [Cygnus Orb-9E](#)

May05. [Atlas 5 401](#) **InSight**
 Launch site: [Vandenberg](#), USA

May?? [Ariane 5](#) ECA GEO-KOMPSAT-2A
 May?? [CZ-3B/YZ-1](#) Beidou 3 MEO M13, Beidou 3 MEO M14

June06. [Falcon 9 FT](#) [Dragon SpX-15](#)

June13. [Soyuz-2 1A](#) [Progress MS 9](#)

June?? CZ L2 Chang'e 4 communications relay satellite
 June?? [Falcon 9 FT](#) [Iridium Next](#) Flight 8 (x5), GRACE FO_1, FO_2 June?? [Falcon](#)
 9 FT SAOCAM 1A
 June?? [Falcon 9](#) **TESS**

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

?? [Proton-M](#) PTK NP
 ?? [Vega](#) TARANIS



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??	Soyuz ST	CSO 1	
??	Vega	Prisma	
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/ DM-03	Glonass-M/	??
??	Angara A5/ Briz-M	Kosmos	100
??	Ariane 5 ECA	Hellas-Sat-4	
??	CZ-5 Y3	SJ-18 02	
??	Vega (VV11)	Aeolus / ADM	
??	Falcon 9 FT	ORS-6	
??	Falcon 9 FT	Iridium Next Flight 7 (x10)	
??	Ariane 5 ECA	GSAT-11	
July31.	Delta 4-H	Parker Solar Probe	
July??	PSLV	Oceansat-3	
July??	Falcon 9 FT	Radarsat C-1, -2, C-3	
??	Falcon H	Arabsat 6A	
Aug??	Falcon 9 (SPx-DM2)	Dragon v2	
CDR: Eric Boe , Sunita Williams			
Aug??	Atlas 5 422 (AV80)	CST-100 Starliner (unmanned test)	
Aug??	CZ-3C	Beidou 2 I7	
Aug??	Delta IV -M+(4,2)	GPS III-1	
Aug??	Falcon 9 FT	Telkom 4	
Aug??	Falcon 9 FT	Dragon SpX-16	
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 16	
??	Atlas 5 (531) (AV073)	AEHF-4	
??	Soyuz-2 -1B/ Fregat -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	80
Sep08.	Soyuz-2 1A Soyuz MS 10 (S57/58)		
CDR: Алексей Н. Овчинин (Aleksei N. Ovchinin), Н. Тихонов (Nikolai Tikhonov), Tyler Hague			
Sep12.	Delta II 7320-10C	ICESat-II	
Sep15.	Delta 4-H	NROL-71	
Sep??	CZ-3B /YZ-1	Beidou 3 MEO M15, Beidou 3 MEO M16	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 17	
??	Ariane 5 ECA	EDRS-C (Hylas 3)	
??	Ariane 5 ECA	Intelsat 7C	
??	Falcon 9	GPS IIIA-2	
??	Falcon 9	PSN VI	
Oct05.	Ariane 5	BepiColombo ESA and ISAS Mercury Orbiters	
Oct11.	Soyuz-2	Progress MS 10	
Oct??	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		



Blog Gorana Hudeca

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.

Oct??	Soyuz ST B/Fregat-M	MetOp-C	
Oct??	CZ-3C	Beidou 3 G1Q	
Oct??	Proton-M/Briz-M	Elektro L – 3	
Oct??	Antares 230	Cygnus Orb-10E	
Oct??	Falcon 9	Dragon SpX-17	
??	Proton-M/ DM-03	Glonass-M /K18,K19,K20	
??	Ariane 5 ECA	Intelsat 39	
??	Ariane 5	Horizon 3e	60
??	Falcon 9	GiSat-1	

Nov07. [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)
CDR: Олег ДМИТРИЕВИЧ **Конonenko** (Oleg D. **Kononenko**), Serena **Auñón-Chancellor**, David **Saint-Jaques**

Nov?? [Atlas 5](#) 422 (AV082) CST-100 Starliner
CDR: Douglas **Hurley**, Robert **Behnken**

??	Minotaur 1	NROL 111	
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 15	
Dec??	CZ-3B /GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)	
Dec??	CZ-3B /YZ-1	Beidou 3 MEO M17, Beidou 3 MEO M18	
Dec??	Soyuz-2 1B / Fregat -M	Resurs №4	
Dec??	??	Korean Pathfinder Lunar Orbiter	
Dec??	Falcon 9 FT	Dragon SpX-18	

??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 14	
??	Ariane 5	Heinrich Hertz	
??	Minotaur-4	FORMOSAT-7 (6 sat)	
??	Falcon 9 FT	Es'hail 2	
??	Falcon 9 v1.2	OHB SARah satellite (x2)	
??	Delta IV -M (5,4)	WGS 10	
??	Atlas 5 551	AFSPC-7	
??	Atlas 5	AEHF 5	
??	Soyuz-2 1A / Fregat	Kanopus V 5, Kanopus V 6	40
??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/Briz-M	Ямал-601	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	EgyptSat 3	
??	Soyuz-2 -1B/ Fregat M	Meridian 18L	
??	Soyuz-2 1A	Bars-M 3	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2 -1B/ Fregat -M	Glonass M 55	
??	Soyuz-2 -1B	Obzor R -1	

?? Dnepr [UniSat-7](#)



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Launch site: ([Dombrovskiy](#)), Russia

- ?? [Angara 1.2](#) Kosmos
- ?? [Ariane 5](#) ES [Galileo-FOC](#) FM19 (Tara), [Galileo-FOC](#) FM20 (Samuel), [Galileo-FOC](#) FM21 (Anna), [Galileo-FOC](#) FM22 (Ellen)
- ?? [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-2D GF-7 Gaofen-7
- ?? CZ CBERS-SAR 1 20
- ?? CZ Deep Space Solar Observatory
- ?? CZ CBERS-4B
- ?? [CZ-3B/E](#) SupremeSAT-II
- ?? [CZ-3B/E](#) CongoSat 1
- ?? [CZ-3B/E](#) Apstar-6D
- ?? ?? Small Military Meteorological Satellite (x6)
- ?? CZ FY-3E Fengyun-3E
- ?? CZ FY-4B Fengyun-4B

?? [CZ-4B](#) [Haiyang-1C](#) HY-1C

Launch site: [Taiyuan](#), China

?? CZ-?? [CAS-4A, CAS-4B](#)

Launch site: [Taiyuan](#), China

- ?? CZ-4B HY-1D Haiyang-1D
- ?? CZ-4B HY-2B Haiyang-2B
- ?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M7, [Beidou 3](#) MEO M8
- ?? [CZ-3C](#) [Beidou 3](#) G8
- ?? [GSLV](#) MK II F12 GSAT-7A
- ?? [GSLV](#) MK II F10 GISAT
- ?? [PSLV](#) EnMap
- ?? [Safir 1 B](#) Tadbir
- ?? Safir 3A Pars sepher
- ?? Tronador II/VEX5 TBD (suborbital)

Launch site: Puerto Belgrano, Argentina

169

2019.

- Jan?? [Atlas 5](#) 531 [Cygnus](#) OA-11
- Jan?? [Falcon 9](#) [Dragon v2](#) (USCV-1) with 2 astronauts



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Feb06.

[Soyuz-2](#)

[Progress MS 11](#)

Feb??	CZ-3C	Beidou 3 I1Q
Feb??	Falcon 9	GPS IIIA-3
Feb??	H-2B (F9)	HTV8
Feb??	Atlas 5	Solar Orbiter (SolO) (ESA)

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

Mar07. [Soyuz-2 1A](#) [Soyuz MS 12](#)

?? CDR: ?? Павел Владимирович **ВИНОГРАДОВ** (Pavel Vladimirovich **Vinogradov**), ?? Sergei **Kud-Sverchkov**, Shannon **Walker**

Mar21. [Proton-M](#)

MLM

Mar??	Vega	Seosat (Ingenio)
Mar??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B
Mar??	Soyuz-2 1B	Progress M-UM

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
?? [Soyuz-2-1B](#)/[Fregat](#) Glonass K2 / 13

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

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)

May??	Falcon 9 FT	Dragon SpX-19
May??	Atlas 5 402	CST 100 Starliner (USCV-2) with 2 astronauts
May??	Soyuz-2	Progress MS 12

June??	Atlas 5 551	STP-03
June??	Ariane 5	MTG-I1
June??	Ariane 5 ES	JWST (James Webb Space Telescope)

??	PSLV	RISAT 1A
??	CZ-3B/G2	TECSTAR 1
??	Vega	Cosmo-SkyMed Secon Gen 1 CSG-1

July?? [CZ-3C](#) Beidou 3 I3Q

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

Sep30. [Soyuz-2 1A](#) [Soyuz MS 13](#)

CDR: ??, Luca **Parmitano** (ESA) , Anne **McClain** (NASA)

Sep?? [Soyuz-2-1B](#)/[Fregat](#)-M Glonass K1 / 22

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 №5
Oct??	Falcon 9 FT	Dragon SpX-20
Oct??	Atlas 5 552	Dream Chaser Cargo System SNC-1



Blog Gorana Hudeca

Nov29.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)
Dec15.	SLS-1	Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22
Dec??	Proton-M/Briz-M	Ekspress 80, Ekspress 103
Dec??	Proton-M/Briz-M	Elektro L - 4
??	Falcon H	Circumlunar Dragon V2
??	Falcon 9 v1.1	Astrium active SARah satellite
??	Falcon 9	GPS IIIA-6
??	Falcon 9 v1.2	GPS IIIA-7
??	Falcon 9 v1.2	GPS IIIA-8
??	Delta IV-M+(4,2)/ Atlas 5 421	GPS IIIA-9/GPS IIIB-1
??	Delta IV-M+(4,2)/ Atlas 5 421	GPS IIIA-10/GPS IIIB-2
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)
??	??	EX-3
??	??	AEHF-6
??	Vega	Jason-CS A
??	Vega	OpSis
??	Vega	VNREDSat
??	Vega	LOTUSat
??	Ariane 5 ECA	Eutelsat Quantum
??	Ariane 5 ECA	African Broadband Satellite
??	Soyuz ST / Vega	MicroCarb
??	Soyuz ST B/Fregat-MT	Sentinel-1C
??	Ariane 5	ViaSat-3
??	Ariane 5	JCSat 17
??	Soyuz-2-1A/Fregat-M	Kondor-FKA n.º 1
??	Soyuz-2-1B/Fregat-M	Arktika M 2
??	Proton-M/Briz-M	SkyTerra 2
??	Proton-M/Briz-M	Ekspress AMU 3 / Ekspress AMU 7
??	Proton-M/Briz-M	Luch 5M
??	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
??	Soyuz-2-1B/Fregat-M	Glonass-M/ 53
??	Soyuz-2-1B/Fregat	Glonass M/ 58
??	Soyuz-2-1B/Fregat	Glonass M / 59
??	Soyuz-2-1B/Fregat	Glonass M / 60
??	CZ-5	Chang'e-5 (Sample return)



Blog Gorana Hudeca

??	CZ	FY-3F Fengyun-3F (Batch 2)
??	CZ	FY-3 Fengyun-3 RM-2
??	CZ-4B	HY-2D Haiyang-2D
??	CZ	Sun Fixed-Point Observation
??	CZ-4B	HY-2C Haiyang-2C

?? [PSLV](#) XL [Aditya'](#)

2020.

Jan?? [Falcon 9](#) v1.1 USCVC-3 (US Commercial Vehicles)

Mar30. **Soyuz 2-1A** **[Soyuz MS 14](#)**

Mar?? [Delta IV-M](#) DMSP-5D3 F20
 Mar?? [Soyuz-2-1B/Fregat-M](#) Glonass K1 / 22

?? CZ-5 Tian He Space Station Core Module

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)

?? CZ-5B Wentian Lab module Space station module
 ?? CZ-2F/G SZ-12 Shenzhou-12

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

June?? Ariane MTG-S1/Sentinel-4A
 June?? [CZ-3C](#) Beidou 3 G3Q

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

July16 **Ariane 62** **Galileo-FOC FM23, Galileo-FOC FM24**

July24. **[Proton-M/Briz-M](#)** **ExoMars (CM+DM)**

July?? [Atlas 5](#) (541) [Mars 2020 rover](#) NASA's exit from a joint sample-collection campaign with Europe aims to send a \$700 million mission to the red planet in 2018 or 2020. The replanned Mars mission, referred to in budget documents as Mars Next Generation, will carry a price tag that falls somewhere between that of the 2013 Maven Scout mission and the 2005 Mars Reconnaissance Orbiter, which cost \$485 million, and more than \$720 million, respectively.

July?? [CZ-3C](#) Beidou 3 G2Q

?? CZ 5 [Mars probe](#) (orbiter + lander + rover)

Aug05. **[Proton-M/Briz-M](#)** **ExoMars** An ESA exobiology rover equipped with a deep drill developed by Astrium Satellites in the United Kingdom will launch in 2018. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface.

Sep30. **Soyuz 2-1A** **[Soyuz MS 15](#)**

Sep?? CZ CBERS-6
 Sep?? [Soyuz-2-1B/Fregat-M](#) Glonass K2 / 15



Blog Gorana Hudeca

?? CZ-2F/G SZ-13 Shenzhou-13
 ?? Vega Proba 3

Dec?? [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.

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
??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
??	Falcon 9 FT	Dragon SpX-19
??	Falcon 9 FT	Dragon SpX-21
??	Falcon 9 FT	Dragon SpX-22
??	Antares 230	Cygnus OA-12
??	Falcon H	ViaSat 3
??	Proton-M	H3M-1
??	Soyuz-2	Progress MS 13
??	Soyuz-2	Progress MS 14
??	Soyuz-2	Progress MS 15
??	Soyuz-2	Progress MS 16
??	Soyuz-2-1B/Fregat-M	Arktika M 3
??	Soyuz-2-1B/Fregat-M	Glonass K2
??	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
??	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)



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??	??	Картограф-0Э №1
??	Vega	Sentinel-2C
??	Vega	Sentinel-3C
??	??	Biomass
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	Ariane 5	Arsat 3
??	CZ5	Chang'e-6
??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	CZ-3B/ Palapa	1N
??	GSLV MK III	MOM-2 Follow on Mars Mission
??	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.

Jan ??	Ariane 62	Galileo-FOC FM25, Galileo-FOC FM26
??	Soyuz-2	Progress MS 17
Mar30.	Soyuz-2-1A	Soyuz MS 16
Apr??	Soyuz ST B/ Fregat M	MarcoPolo-R
June??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	Soyuz-2	Progress MS 18
??	CZ-2F/G	SZ-14 Shenzhou-14
July??	Vulcan/Minotaur 6/ Falcon 9 v1.1	JPSS-2
Sep30.	Soyuz-2-1A	Soyuz MS 17
Oct??	Atlas 5 401/ Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)
Dec??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
??	Atlas 5 552	Dream Chaser Cargo System SNC-2
??	SLS Block I	Europa Clipper
??	Soyuz-2	Progress MS 19
??	Soyuz-2-1B/Fregat -M	Transformable Modul TM
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)



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??	Soyuz-2-1B/Fregat-M	Resurs PM - 2
??	Soyuz-2-1B/Fregat-M	Meteor M No2-4
??	Soyuz-2-1B/Fregat-M	Meteor M No3
??	Angara 1.2	Gonets x 3
??	Proton-M/Briz-M	Elektro L - 5
??	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
??	Vega	Sentinel-1A 2nd Gen
??	Vega	Space Rider
??	Soyuz ST / Vega	Merlin
??	CZ	Venus Global Sensing Probe
??	CZ	FY-3G Fengyun-3G (Batch 2)

2022.

Jan?? ?? Solar Sentinels

?? [Soyuz-2](#) [Progress MS 20](#)

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 18](#)

Apr?? [Angara](#) A5/ DM 03 Elektro M – 1-2

?? CZ7 TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)

?? CZ-5B Xuntian Lab module Space station module

?? CZ-2F/G SZ-15 Shenzhou-15

June01. **SLS Block I** **Orion: Exploration Mission 2 (Crew to Cislunar) Mission)**

June?? [Ariane 5](#)ECA JUICE (JUperiter ICy moon Explorer)

June?? Ariane 5 MTG-12

June?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (US Commercial Vehicles)

?? Sunkar ??

?? [Soyuz-2](#) [Progress MS 21](#)

Aug?? H2B Phobos sample return

Sep30. [Soyuz-2-1A](#) [Soyuz MS 19](#)

Sep?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG B1

?? Sunkar Federatsia (unmaned)

Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-8 (US Commercial Vehicles)



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??	Soyuz-2	Progress MS 22	
??	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 – 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
??	Soyuz-2 -1B/ Fregat -M	Meteor M No2-5	
??	Proton-M/Briz-M		Eutelsat
??	Proton-M/Briz-M		Intelsat
??	Soyuz-2 -1B/ Fregat -M	Smotr R №2	
??	Soyuz-2 -		Razdan 2
??	Ariane 5		Moon's south pole samples return mission
??	Vega		Jason-CS B
??	Ariane 5		ATHENA
??	CZ	HY-3C Haiyang-3C	

2023.

?? [Soyuz-2](#) [Progress MS](#) 23

Mar30. [Soyuz-2-1A](#) [Soyuz MS](#) 20

?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
 ?? CZ-2F/G SZ-16 Shenzhou-16

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

?? [Soyuz-2](#) [Progress MS](#) 24

Sep30. [Soyuz-2-1A](#) [Soyuz MS](#) 21

?? [Soyuz-2](#) [Progress MS](#) 25

Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-10 (US Commercial Vehicles)

?? 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



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??	Vega	Sentinel-2A 2nd Gen
??	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

Mar30. [Soyuz-2-1A](#) [Soyuz MS 22](#)

?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)

June?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-11 (US Commercial Vehicles)

Sep30. [Soyuz-2-1A](#) [Soyuz MS 23](#)

Oct?? EELV GOES-U

?? SLS Block IA II Orion: Exploration Mission 4 (Crew to Cislunar)

?? Sunkar Federatsia (Light 14t – 2 man to ISS)

?? [Soyuz-2](#) [Progress MS](#) 26

?? [Soyuz-2](#) [Progress MS](#) 27

?? [Soyuz-2](#) [Progress MS](#) 28

?? [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](#)-1B/[Fregat](#)-M Meteor MP No1

?? [Soyuz-2](#)-1A Obzor P -1

?? [Soyuz-2](#)-1B/[Fregat](#)-M Razdan - 3

?? ?? 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)



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??	Soyuz-2-1A	Soyuz MS 24
??	Soyuz-2	Progress MS 29
??	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
??	Angara A5P/DM-03	Elektro M -1
??	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 A5P/DM03	Bumerang (FobosGrunt 2)