



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (9.10.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 09.Oct.2017.

**Oct09. 0406UTC**      [CZ-2D](#)      [VRSS-2 \(Bolivia Remote Sensing Satellite\)](#)  
Launch site: [Jiuquan](#), China

**Oct09. 1237UTC**      [Falcon 9](#)      [Iridium Next Flight 3 \(x10\)](#)  
Launch site: [Vandenberg](#), USA

**Oct09. 2200UTC**      [H-2A \(F36\)](#)      [QZS-4](#)  
Launch site: [Tanegashima](#), Japan

**Oct11. 2253UTC**      [Falcon 9](#)      [SES 11](#)  
Launch site: [Cape Canaveral](#), USA

**Oct12. 0932UTC**      [Soyuz-2 1A](#)      [Progress MS 7](#)  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan      50

**Oct13. 0927UTC**      [Rokot / Briz KM](#)      [Sentinel-5 Precursor](#)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

**Oct17. 2137UTC**      [Minotaur-C XL](#)      [SkySat 8/9/10/11/12](#)  
Launch site: [Vandenberg](#), USA

**Oct20.**      [Electron](#)      [Still Testing](#)  
Launch site: [Kaitorete Spit](#), New Zeland

**Oct25.**      [Soyuz-2-1B](#)      [Labirint 11 \(Elint??\)](#)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

**Oct30. 1934UTC**      [Falcon 9 FT](#)      [KoreaSat 5A](#)  
Launch site: [Cape Canaveral](#), USA

**Oct??**      [Atlas 5 421 \(AV075\)](#)      NROL-52 ([Quasar 21](#))  
Launch site: [Cape Canaveral](#), USA

**??**      [Rokot / Briz KM](#) [Geo IK 2](#)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

**Nov08.**      **0142UTC**      [Vega \(VV11\)](#)      MN35-13 ([Morocco EO Sat 1](#))  
Launch site: [Kourou](#), French Guiana

**Nov10. 0947UTC**      [Delta II 7920-10C](#)      [JPSS-1](#)  
Launch site: [Vandenberg](#), USA

**Nov10.**      [Antares 230](#)      [Cygnum Orb-8](#)  
Launch site: [Wallops Island](#), USA      40

**Nov12.**      [CZ-3B/YZ-1](#)      [Beidou 3 M1& M2](#)  
Launch site: [Xichang](#), China



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**Nov15.** [CZ-4C](#) **FY-3 Fengyun-3 D**

Launch site: [Jiuquan](#), China

**Nov28.** [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2**

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

**Nov28.** **2100UTC** [Falcon 9](#) FT [Dragon](#) SpX-13

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

Nov?? [Falcon 9](#) FT [Iridium Next](#) Flight 4 (x10)

Launch site: [Vandenberg](#), USA

Nov?? [PSLV](#) XL (C40) CartoSat 2E

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

**Dec07.** **Zenit 3-SLB / DM-SLB** **AngoSat**

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 30

**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

**Dec17.** **0400UTC** [Soyuz-2 1A](#) [Soyuz MS 7 \(S54/55\)](#)

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

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

**Dec22.** [Soyuz-2 1A / Fregat](#) **Канопус V 3, Канопус V 4**

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

**Dec24.** [Proton-M/Briz-M](#) **Blagovest 12**

**Dec25.** [Falcon 9](#) FT **PAZ**

Dec?? [CZ-2D](#) GJ-3 GaoJing-3, GJ-4 GaoJing-4

Dec?? Falcon H Demo Flight

Dec?? [Falcon 9](#) FT SES-16 20

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

?? [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)



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- ?? [CZ-3B/YZ-1](#) ZX-6C Zhongxing-6C  
 Launch site: [Xichang](#), China
- ?? [CZ-3A](#) FY-2H Fengyun-2H  
 ?? [CZ-2D](#) GF-6 Gaofen-6
- ?? CZ-2 CAS-2A1, CAS-2A2  
 ?? CZ YG-32 Yaogan Weixing 31  
 ?? CZ YG-32 Yaogan Weixing 32  
 ?? CZ Orbita-1 1 10
- ?? [CZ-2D](#) SaudiSAT 5B  
 ?? ?? LJ-1 Luojia-1  
 ?? CZ Huaizong-1  
 ?? [CZ-4C](#) Hede-1  
 ?? [CZ-3B/E](#) Alcomsat-1  
 ?? LS-1 LandSpace-1
- ?? [H-2A](#) (F37) GCOM-C  
 ?? [H-2A](#) [IGS Optical-6](#)
- ?? [Simorgh](#) [Dosti](#) (Nahid 1??) (Payam-e Amir Kabir??)  
 Launch site: [Semnan](#), Iran

13 + (8)  
 62 + (54)

## 2018.

- Jan10.** [Zenit 3 SL](#) / [Fregat-SB](#) Lybid'
- Jan18.** [Atlas 5](#) 401 (AV076) SBIRS-GEO 4 160
- Jan20.** [Vega](#) (VV11) Aeolus / ADM
- Jan23.** [Ariane 5](#) ECA (VA241) AI Yah 3 / SES 14 GOLD
- ?? [Falcon 9](#) FT [Iridium Next](#) Flight 5 (x10)  
 Launch site: [Vandenberg](#), USA
- ?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M](#)/ 52  
 ?? [Falcon 9](#) FT Telstar 18  
 ?? [Falcon 9](#) FT Telstar 19  
 ?? [PSLV](#) ScatSat, NovaSAR
- 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
- Feb?? [Falcon 9](#) FT [Iridium Next](#) Flight 6 (x10)



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Feb??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M9, Beidou 3 MEO M10
Feb??	H-2B (F7)	HTV7
Feb??	<a href="#">Falcon 9</a> FT	Bangabandhu-1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M-2-2, Ionosfera 3, Ionosfera 4
??	<a href="#">Soyuz ST B/Fregat-MT</a>	O3b
??	<a href="#">Soyuz-2-1B</a>	Pion
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M3, <a href="#">Beidou 3</a> MEO M4
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M5, <a href="#">Beidou 3</a> MEO M6 140

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

**Mar06.** [PSLV](#) **??IRNSS-1I Team Indus**

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

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

**Mar15.** [CZ-3B/GII](#) **APStar-6C**

Mar?? [GSLV](#) Mk II D9 Chandrayaan 2

India's second mission to the moon called *Chandrayaan - II* is likely to be launched by GSLV MkII. The project will include a robotic vehicle that will move around on after achieving a soft landing on the moon.

Mar??	<a href="#">PSLV</a>	Cartosat-3
Mar??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M11, Beidou 3 MEO M12
Mar??	<a href="#">Rokot / Briz KM</a>	Sentinel 3B
Mar??	<a href="#">Falcon 9</a> FT	SAOCAM 1A
Mar??	<a href="#">Soyuz ST B/Fregat-MT</a>	OneWeb smalsat (x10)
Mar??	<a href="#">Ariane 5</a> ECA	Hylas 4
Mar??	CZ-2C	Pakistani Remote Sensing Satellite (PRSS) 1

??	<a href="#">GSLV</a> MK III D2	GSAT-20
??	KZ-1A	??
??	KZ-1A	??
??	KZ-1A	??
??	KZ-1A	??
??	<a href="#">Falcon 9</a> FT	SES-12
??	<a href="#">Ariane 5</a> ECA	Azerspace 2 (Intelsat 38)
??	<a href="#">Ariane 5</a> ECA	GSAT-11 120
??	<a href="#">Proton-M/ DM 3</a>	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 \(S. V. Prokopyev\)](#), Jeanette J. **Epps**, Alexander **Gerst**

Apr??	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 7 (x10)
Apr??	<a href="#">H-2A</a>	GOSAT-2
Apr??	Epsilon	OrigamiSat-1

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

**May05.** [Atlas 5](#) 401 **InSight**



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Launch site: [Vandenberg](#), USA

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

**June27. [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 TESS

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

?? [Proton-M](#) PTK NP  
 ?? [Vega](#) TARANIS  
 ?? [Soyuz ST](#) CSO 1 100  
 ?? [Vega](#) Prisma  
 ?? [Proton-M/Briz-M](#) Kosmos  
 ?? [Proton-M/ DM-03](#) [Glonass-M/](#) ??  
 ?? [Angara A5/ Briz-M](#) Kosmos  
 ?? [Ariane 5](#) ECA Hellas-Sat-4  
 ?? CZ-5 Y3 SJ-18 02

**July31. [Delta 4-H](#) [Parker Solar Probe](#)**

July?? [PSLV](#) Oceansat-3  
 July?? [Falcon 9](#) FT Radarsat C-1, -2, C-3

Aug?? [Falcon 9](#) (SPx-DM2) Dragon v2  
**CDR:** Robert **Behnken** ,Eric **Boe**

Aug?? [Atlas 5](#) 422 (AV80) CST-100 Starliner (unmanned test)

Aug?? [CZ-3C](#) Beidou 2 I7  
 Aug?? [Soyuz-2](#) [Progress MS](#) 10  
 Aug?? [Delta IV](#)-M+(4,2) GPS III-1  
 Aug?? [Falcon 9](#) FT [Dragon](#) SpX-15  
 ?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 16  
 ?? [Falcon 9](#) FT PSN VI  
 ?? [Atlas 5](#) (531) (AV073) AEHF-4

**Sep12. [Delta II 7320-10C](#) [ICESat-II](#) 80**

**Sep15. [Delta 4-H](#) [NROL-71](#)**

**Sep30. [Soyuz-2 1A](#) [Soyuz MS 10 \(S57/58\)](#)**  
**CDR:** Алексей **Н. Овчинин** (Aleksei N. **Ovchinin**), Н. **Тихонов** (N. **Tikhonov**), Nick T. **Hague**,

Sep?? [CZ-3B/YZ-1](#) Beidou 3 MEO M15, Beidou 3 MEO M16  
 Sep?? [Ariane 5](#) ECA DSN 1 (Superbird-8)

?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 17



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?? [Ariane 5](#) ECA EDRS-C (Hylas 3)  
 ?? [Ariane 5](#) ECA Intelsat 7C  
 ?? [Falcon 9](#) GPS IIIA-2

**Oct05.** [Ariane 5](#) [BepiColombo](#) ESA and ISAS Mercury Orbiters

**Oct16.** [Soyuz-2](#) [Progress MS 11](#)

**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 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

?? [Proton-M/](#) DM-03 [Glonass-M/K18,K19,K20](#)  
 ?? [Ariane 5](#) ECA Intelsat 39  
 ?? [Ariane 5](#) Horizon 3e  
 ?? [Falcon 9](#) FT ORS-6

**Nov30.** [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)

**CDR:** ОЛЕГ ДМИТРИЕВИЧ Кононенко (Oleg D. Kononenko), Serena **Auñón-Chancellor**, David **Saint-Jaques**  
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**Nov??** [Atlas 5](#) 422 (AV082) CST-100 Starliner  
**CDR:** Hurley, 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

?? Falcon H Circumlunar Dragon V2  
 ?? [Soyuz-2-1B/Fregat](#)-M Glonass K2 / 14  
 ?? [Ariane 5](#) Heinrich Hertz

?? [Falcon 9](#) v1.2 OHB SARah satellite (x2)  
 ?? [Falcon 9](#) v1.2 WGS 10  
 ?? Minotaur-4 FORMOSAT-7 (6 sat)  
 ?? [Atlas 5](#) 551 AFSPC-7  
 ?? ?? AEHF 5  
 ?? [Falcon 9](#) FT Es'hail 2  
 ?? Falcon H Arabsat 6A  
 ?? Falcon Heavy STP-02

?? [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



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??	<a href="#">Proton-M/Briz-M</a>	Ямал-601
??	<a href="#">Proton-M/Briz-M</a>	Ямал-GK-1
??	<a href="#">Proton-M/Briz-M</a>	EgyptSat 3
??	<a href="#">Soyuz-2-1B/Fregat</a> M	Meridian 18L
??	<a href="#">Soyuz-2</a> 1A	Bars-M 3
??	<a href="#">Soyuz-2</a> 1A	Energiya-100
??	<a href="#">Soyuz-2-1B/ Fregat</a> -M	Glonass M 55
??	<a href="#">Soyuz-2-1B</a>	Obzor R -1
??	Dnepr	<a href="#">UniSat-7</a>
Launch site: ( <a href="#">Dombrovskiy</a> ), Russia		
??	<a href="#">Angara</a> 1.2	Kosmos
??	<a href="#">Ariane 5</a> ES	<a href="#">Galileo-FOC</a> FM19 (Tara), <a href="#">Galileo-FOC</a> FM20 (Samuel), <a href="#">Galileo-FOC</a> FM21 (Anna),
	<a href="#">Galileo-FOC</a> FM22 (Ellen)	
??	<a href="#">CZ-2D</a>	SJ-12 Shijian-12 (2)
??	<a href="#">CZ-2D</a>	TH-2 Tianhui-2
??	<a href="#">CZ-2C</a>	CSES-1 Earthquake electromagnetism monitor satellite
??	??	VeneSat-2
??	<a href="#">CZ-3B/E</a>	CC-1 <a href="#">Changcheng-1</a>
??	CZ-2D	GF-7 Gaofen-7
??	CZ	CBERS-SAR 1
??	CZ	Deep Space Solar Observatory
??	CZ	CBERS-4B
??	<a href="#">CZ-3B/E</a>	SupremeSAT-II
??	<a href="#">CZ-3B/E</a>	CongoSat 1
??	<a href="#">CZ-3B/E</a>	Apstar-6D
??	??	Small Military Meteorological Satellite (x6)
??	CZ	FY-3E Fengyun-3E
??	CZ	FY-4B Fengyun-4B
??	<a href="#">CZ-4B</a>	<a href="#">Haiyang-1C</a> HY-1C
Launch site: <a href="#">Taiyuan</a> , China		
??	CZ-??	<a href="#">CAS-4A, CAS-4B</a>
Launch site: <a href="#">Taiyuan</a> , China		
??	CZ-4B	HY-1D Haiyang-1D
??	CZ-4B	HY-2B Haiyang-2B
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M7, <a href="#">Beidou 3</a> MEO M8
??	<a href="#">CZ-3C</a>	<a href="#">Beidou 3</a> G8
??	<a href="#">GSLV</a> MK II F12	GSAT-7A
??	<a href="#">GSLV</a> MK II F10	GISAT
??	<a href="#">PSLV</a>	EnMap
??	<a href="#">Safir 1 B</a>	Tadbir
??	Safir 3A	Pars sepher



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?? Tronador II/VEX5 TBD (suborbital)  
Launch site: Puerto Belgrano, Argentina

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## 2019.

Jan?? [Atlas 5](#) 531 [Cygnus](#) OA-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)  
Feb?? [Proton-M](#) MLM

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

### Mar30. [Soyuz-2 1A](#) [Soyuz MS 12](#)

CDR: Павел Владимирович **ВИНОГРАДОВ** ( Pavel Vladimirovich **Vinogradov**), Tikhonov, Shannon **Walker**

Mar?? [Soyuz-2](#) [Progress MS 12](#)  
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 Vechile)

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 N°5





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<b>Nov29.</b>	<a href="#">Soyuz-2 1a / Fregat</a>	<b>Luna 25 (Luna-Glob-1)</b>
<b>Dec15.</b>	<b>SLS-1 Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)</b>	
Dec??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M21, Beidou 3 MEO M22
Dec??	<a href="#">Proton-M/Briz-M</a>	Ekspress 80, Ekspress 103
Dec??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 4
??	<a href="#">Falcon 9</a> v1.1	USCV-1 (US Commercial Vehicles)
??	<a href="#">Atlas 5</a> 402	USCV-2 (US Commercial Vehicles)
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-16
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-17
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-18
??	<a href="#">Falcon 9</a> v1.1	Astrium active SARah satellite
??	<a href="#">Falcon 9</a>	GPS IIIA-6
??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-7
??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-8
??	<a href="#">Delta IV-M+(4,2)/ <a href="#">Atlas 5</a> 421</a>	GPS IIIA-9/GPS IIIB-1
??	<a href="#">Delta IV-M+(4,2)/ <a href="#">Atlas 5</a> 421</a>	GPS IIIA-10/GPS IIIB-2
??	<a href="#">Atlas 5</a> 551	Asteroid Retrieval Spacecraft (ARS)
??	??	EX-3
??	??	AEHF-6
??	<a href="#">Vega</a>	Jason-CS A
??	<a href="#">Vega</a>	OpSis
??	<a href="#">Vega</a>	VNREDSat
??	<a href="#">Vega</a>	LOTUSat
??	<a href="#">Ariane 5</a> ECA	Eutelsat Quantum
??	<a href="#">Ariane 5</a> ECA	African Broadband Satellite
??	<a href="#">Soyuz ST / <a href="#">Vega</a></a>	MicroCarb
??	<a href="#">Soyuz ST B/<a href="#">Fregat</a>-MT</a>	Sentinel-1C
??	<a href="#">Ariane 5</a>	ViaSat-3
??	<a href="#">Ariane 5</a>	JCSat 17
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 13
??	<a href="#">Soyuz-2-1A/<a href="#">Fregat</a>-M</a>	Kondor-FKA n.º 1
??	<a href="#">Soyuz-2-1B/<a href="#">Fregat</a>-M</a>	Arktika M 2
??	<a href="#">Proton-M/<a href="#">Briz-M</a></a>	SkyTerra 2
??	<a href="#">Proton-M/<a href="#">Briz-M</a></a>	Ekspress AMU 3 / Ekspress AMU 7
??	<a href="#">Proton-M/<a href="#">Briz-M</a></a>	Luch 5M
??	<a href="#">Proton-M/<a href="#">Briz-M</a></a>	Yenisey A1
??	<a href="#">Proton-M/<a href="#">Briz-M</a></a>	Ямал-501
??	<a href="#">Proton-M/<a href="#">Briz-M</a></a>	EutelSat
??	<a href="#">Proton-M/<a href="#">Briz-M</a></a>	IntelSat
??	<a href="#">Soyuz-2-1B/<a href="#">Fregat</a> M</a>	Meridian 19L
??	<a href="#">Soyuz-2-</a>	Razdan 1



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?? [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)

?? 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 HY-3A Haiyang-3A  
 ?? [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)



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**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

??      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
??	<a href="#">Atlas 5</a> 402	USCV-4 (US Commercial Vehicles)
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-19
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-20
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-21
??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> OA-12
??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-1
??	Falcon H	ViaSat 3
??	<a href="#">Proton-M</a>	H3M-1
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 14
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 15
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 16
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Resurs PM - 1</a>
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-3
??	<a href="#">Angara</a> 1.2	Kompsat-6
??	<a href="#">Soyuz-2-1A/Fregat-M</a>	<a href="#">Gonets</a> x 6
??	<a href="#">Proton-M/Briz-M</a>	AOneSat-1
??	<a href="#">Proton-M/Briz-M</a>	Terrestar-2
??	<a href="#">Proton-M/Briz-M</a>	SkyTerra 2
??	<a href="#">Soyuz-2-1A/Fregat</a>	Resonance 1A, Resonance 1B



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RESONANCE is a project to study Earth's magnetosphere consisting of four similar satellites.

??	<a href="#">Soyuz-2-1B</a>	Lotos S1
??	<a href="#">Soyuz-2-1B</a>	Persona
??	<a href="#">Soyuz-2-1A</a>	Kobalt M
??	<a href="#">Soyuz-2-1A</a>	Foton M
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картораф-ОЭ №1
??	<a href="#">Vega</a>	Sentinel-2C
??	<a href="#">Vega</a>	Sentinel-3C
??	??	Biomass
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	<a href="#">Ariane 5</a>	Arsat 3
??	CZ5	Chang'e-6
??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	<a href="#">CZ-3B/ Palapa 1N</a>	
??	<a href="#">GSLV</a> MK III	MOM-2 Follow on Mars Mission
??	H-IIA	<a href="#">Hope</a> (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
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 17</a>
<b>Mar30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 16</a>
Apr??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> M	MarcoPolo-R
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-5 (US Commercial Vehicles)
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 18</a>
??	CZ-2F/G	SZ-14 Shenzhou-14
July??	Vulcan/Minotaur 6/ <a href="#">Falcon 9</a> v1.1	JPSS-2
<b>Sep30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 17</a>
Oct??	<a href="#">Atlas 5</a> 401/ <a href="#">Falcon 9</a> v1.1	JPSS Free Flyer 2 (TSIS-2)
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-6 (US Commercial Vehicles)



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??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-2
??	SLS Block I	Europa Clipper
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 19
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Transformable Modul TM
??	<a href="#">Soyuz-2</a> 1a / <a href="#">Fregat</a>	<a href="#">Luna 26</a> (Luna-Resurs OA)
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 2
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No3
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 5
??	<a href="#">Proton-M/Briz-M</a>	Ekspress-RV1, Ekspress-RV2
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Smotr R №1
??	<a href="#">Proton-M/Briz-M</a>	IntelSat
??	<a href="#">Vega</a>	Sentinel-1A 2nd Gen
??	<a href="#">Vega</a>	Space Rider
??	<a href="#">Soyuz ST</a> / <a href="#">Vega</a>	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](#) 5ECA JUICE (JUperiter ICy moon Explorer)  
 June?? Ariane 5 MTG-I2  
 June?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (US Commercial Vehicles)

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



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Aug??	H2B	Phobos sample return
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 19</a></b>
Sep??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	MetOp-SG B1
??	Sunkar Federatsia (unmaned)	
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-8 (US Commercial Vehicles)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 22
??	<a href="#">Soyuz-2</a> 1b	Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AMU 5
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AMU 6
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – RV 3, Ekspress – RV 4
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2-1B/Fregat</a> -M	Meteor M No2-5
??	<a href="#">Proton-M/Briz-M</a>	Eutelsat
??	<a href="#">Proton-M/Briz-M</a>	Intelsat
??	<a href="#">Soyuz-2-1B/Fregat</a> -M	Smotr R №2
??	<a href="#">Soyuz-2-</a>	Razdan 2
??	<a href="#">Ariane 5</a>	Moon's south pole samples return mission
??	<a href="#">Vega</a>	Jason-CS B
??	Ariane 5	ATHENA
??	CZ	HY-3C Haiyang-3C
<b>2023.</b>		
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 23
<b>Mar30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 20</a></b>
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-9 (US Commercial Vehicles)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 24
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 21</a></b>
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 25
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-10 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
??	Sunkar Federatsia (unmaned flight to ISS)	



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?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.

??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AT3, AT4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 3
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2-1B</a>	Obzor R -2
??	<a href="#">Soyuz-2-1B</a>	Obzor O -1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Ellips - 1
??	<a href="#">Angara</a> A5P/DM03	Dopler 1, 2
??	<a href="#">Vega</a>	Sentinel-2A 2nd Gen
??	CZ	SPORT (Solar Polar Orbit Radio Telescope)
??	CZ	FY-4D Fengyun-4D
??	<a href="#">GSLV</a> MK III	Mission to Venus
??	<a href="#">Angara</a> A5P/DM03	Lutch 5 – 2
??	<a href="#">Soyuz-2-1b</a>	Bion-M No. 2
??	<a href="#">Angara</a> 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??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	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)

??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 26
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 27
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 28

?? [Soyuz-2](#) 1b Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples

??	<a href="#">Proton-M</a> / DM-03	Spektr - UF
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 4
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 2, Gonets M
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 4
??	??	Ямал GK VEO 1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor MP No1
??	<a href="#">Soyuz-2-1A</a>	Obzor P -1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Razdan - 3



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??	??	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)
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 24
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 29
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resonans 2A, 2B, MKA-PN5
??	??	Ямал GK VEO 2
??	??	Ямал GK VEO 3
??	<a href="#">Angara 1.2</a>	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 5
??	<a href="#">Soyuz-2-1B</a>	Obzor O -2
??	<a href="#">Soyuz-2-1b</a>	Bion-M No. 3
??	<a href="#">Angara A5P/DM-03</a>	Elektro M -1
??	CZ	Chang'e-7 (Moon south pole landing)

## 2026.

June??	<a href="#">Angara A5P/KVTK</a>	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)
??	<a href="#">Angara A5P/DM03</a>	Bumerang (FobosGrunt 2)