



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (2.4.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 02.Apr.2018.

**Apr02. 2030UTC** [Falcon 9](#) [Dragon SpX-14](#)

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

**Apr05. 2134UTC** [Ariane 5 ECA \(VA242\)](#) [Hylas 4, DSN 1 \(Superbird-8\)](#)

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

**Apr05. 2200UTC** [Electron](#) [Outerspace 1, Lemur](#)

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

**Apr12. 2200UTC** [Atlas 5 551 \(AV-079\)](#) [AFSPC-11](#)

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

**Apr12. 0730UTC** [PSLV XL \(C41\)](#) [IRNSS I](#)

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

**Apr16. 2232UTC** [Falcon 9](#) [TESS](#)

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

**Apr19.** [Proton-M/Briz-M](#) [Blagovest 12](#)

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 140

**Apr21.** [CZ-3B/G2](#) [APStar-6C](#)

Launch site: [Xichang](#), China

**Apr24.** [Falcon 9](#) [Bangabandhu-1](#)

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

**Apr25. 1757UTC** [Rokot / Briz KM](#) [Sentinel 3B](#)

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

**Apr??** [CZ-11](#) Zhuhai-1

Launch site: [Jiuquan](#), China

**May02.** [CZ-4B](#) [GF-5 Gaofen-5](#)

Launch site: [Taiyuan](#), China

**May05. 1105UTC** [Atlas 5 401 AV-078](#) [InSight](#)

Launch site: [Vandenberg](#), USA

**May09.** [Antares 230](#) [Cygnum Orb-9E](#)

Launch site: [Wallops Island](#), USA

**May10.** [Falcon 9](#) [Iridium Next Flight 6 \(x5\), GRACE FO\\_1, FO\\_2](#)

Launch site: [Vandenberg](#), USA

**May18.** [Ariane 5 ECA \(VA243\)](#) [GSAT-11, Azerspace 2 \(Intelsat 38\)](#)

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



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<b>May30.</b>	<a href="#">Vega</a>	<b>Prisma</b>	
<b>May??</b>	<a href="#">Falcon 9</a>	SES-12	
Launch site:	<a href="#">Cape Canaveral</a> , USA		
<b>May??</b>	<a href="#">Soyuz-2-1B/</a> <a href="#">Fregat</a> -M	Glonass M 59	
<b>May??</b>	<a href="#">CZ-3B/G2</a>	L2 Chang'e 4 communications relay satellite	
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M7, <a href="#">Beidou 3</a> MEO M8	
??	<a href="#">CZ-3B/E</a>	SupremeSAT-II	
??	KZ-1A	Jilin 1-09	
??	KZ-1A	Jilin 1-10	
??	KZ-1A	Jilin 1-11	
??	KZ-1A	Jilin 1-12	
<b>June06.</b>	<a href="#">Soyuz-2 1A</a> <a href="#">Soyuz MS 9 (S56/57)</a>		
<b>CDR:</b>	Сергей Валерьевич <b>Прокопьев</b> (Sergei Valerevich <b>Prokopyev</b> ), Serena <b>Auñón-Chancellor</b> , Alexander <b>Gerst</b>	120	
<b>June09.</b>	<a href="#">Falcon 9</a>	<a href="#">Dragon SpX-15</a>	
<b>June12.</b>	<a href="#">CZ-2D</a>	<b>GF-6 Gaofen-6, LJ-1 Luojia-1</b>	
<b>June13.</b>	<a href="#">Falcon Heavy</a>	<b>STP-02</b>	
<b>June13. 1428UTC</b>	<b>Pegasus-XL</b>	<b>ICON (<a href="#">Helio EX-1</a>)</b>	
Launch site:	<a href="#">Kwajalein Atoll</a> , USA		
June??	<a href="#">Rokot / Briz KMGeo IK 2</a>	13L	
Launch site:	Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia		
<b>June??</b>	<a href="#">CZ-2C</a>	<a href="#">Pakistani Remote Sensing Satellite (PRSS) 1</a>	
Launch site:	<a href="#">Taiyuan</a> , China		
June??	CZ??	Tianzhi-1	
June??	<a href="#">Falcon 9</a>	<a href="#">Iridium Next</a> Flight 7 (x10)	
<b>June??</b>	<a href="#">GSLV</a> MK III D2	GSAT-29	
??	<a href="#">Vega</a>	TARANIS	
??	KZ-11	Xiaoxiang-4	
??	<a href="#">Falcon 9</a>	Telstar 19	
??	<a href="#">Falcon 9</a>	Telstar 18	
??	<a href="#">Angara</a> A5/ <a href="#">Briz-M</a>	Kosmos	
??	<a href="#">Falcon 9</a>	Telkom 4	
<b>July05.</b>	<a href="#">Falcon 9</a>	<b>Spaceflight SSO-A</b>	
<b>July10.</b>	<a href="#">Soyuz-2 1A</a>	<a href="#">Progress MS 9</a>	
<b>July31.</b>	<b>Delta 4-H</b>	<b>Parker Solar Probe</b>	
July??	<a href="#">Ariane 5</a> ES (VA244)	<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)	
July??	<a href="#">Soyuz-2</a> 1A	Bars-M 3	100
<b>July??</b>	<a href="#">Falcon 9</a>	<a href="#">Iridium Next</a> Flight 8 (x10)	



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??	<a href="#">Falcon 9</a>	PSN VI	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M9, Beidou 3 MEO M10	
??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2A	
??	<a href="#">H-2A</a>	IGS Radar-6	
<b>Aug16.</b>	<b>H-2B (F7)</b>	<b>HTV7</b>	
<b>Aug27.</b>	<b><a href="#">Atlas 5</a> N22 (AV80)</b>	<b>CST-100 Starliner (unmanned test)</b>	
<b>Aug27.</b>	<b><a href="#">Falcon 9</a> (SPx-DM1)</b>	<b>Dragon v2 unmanned test</b>	
Aug??	<a href="#">CZ-3C</a>	Beidou 2 I7	
Aug??	<a href="#">CZ-11</a>	OKW-2	
Aug??	<a href="#">Falcon 9</a>	SAOCAM-1A, ITASAT-1	
<b>Sep12. 1246UTC</b>	<b>Delta II 7320-10C</b>	<b>ICESat-II</b>	
<b>Sep14.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Soyuz MS 10 (S57/58)</a></b>	
<b>CDR: Алексей Николаевич <a href="#">Овчинин</a> (Aleksei Nikolaevich <a href="#">Ovchinin</a>), Николай Владимирович <a href="#">Тихонов</a> (Nikolai Vladimirovich <a href="#">Tikhonov</a>), Tyler <a href="#">Hague</a></b>			
<b>Sep26.</b>	<b>Delta 4-H</b>	<b>NROL-71</b>	
Sep??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass K</a>	
Sep??	<a href="#">Falcon 9</a>	GPS III-1	
Sep??	<a href="#">CZ-2C</a>	CFOSAT (China-France Oceanography SATellite)	
??	<a href="#">Ariane 5</a> ECA	Intelsat 7C	
??	<a href="#">Falcon 9</a>	Radarsat C-1, -2, C-3	
??	<a href="#">Falcon 9</a>	OHB SARah satellite (x2)	80
??	<a href="#">Ariane 5</a> ECA	Hellas-Sat-4	
??	<a href="#">Proton-M/Briz-M</a>	EutelSat 5 West B / MEV	
??	<a href="#">H-2A</a>	GOSAT-2	
<b>Oct05.</b>	<b><a href="#">Ariane 5</a></b>	<b><a href="#">BepiColombo</a> ESA and ISAS Mercury Orbiters</b>	
<b>Oct11.</b>	<b><a href="#">Soyuz-2</a></b>	<b><a href="#">Progress MS 10</a></b>	
<b>Oct18.</b>	<b><a href="#">Atlas 5</a> (531) (AV073)</b>	<b>AEHF-4</b>	
<b>Oct22.</b>	<b><a href="#">Proton-M/Briz-M</a></b>	<b>Elektro L – 3</b>	
Oct??	<a href="#">Rokot / Briz KM</a>	<a href="#">Gonets</a> x 3 (No 24,25,26), Blits-M	
Launch site: Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia			
Oct??	<a href="#">GSLV</a> Mk II D9	Chandrayaan 2	
Launch site: <a href="#">Satish Dhawan Space Centre</a> , Sriharikota, India			
Oct??	<a href="#">CZ-3C</a>	Beidou 3 G1Q	
Oct??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M-2-2, Ionosfera 3, Ionosfera 4	Oct?? <a href="#">Antares</a>
230	<a href="#">Cygnus</a> Orb-10E		
Oct??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Glonass-M</a> 60	
??	<a href="#">Ariane 5</a>	Horizon 3e	
??	<a href="#">Falcon H</a>	Arabsat 6A	
<b>Nov15.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Soyuz MS 11 (S58/59)</a></b>	



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**CDR:** Олѐг Дмїтриевич Кононѐнко (Oleg Dmitrievich **Kononenko**), Anne McClain (**NASA**), David **Saint-Jaques**

**Nov16.** [Falcon 9 FT](#) [Dragon SpX-16](#)

Nov?? [Atlas 5](#) 422 (AV082) CST-100 Starliner

**CDR:** Douglas **Hurley**, Robert **Behnken**

Nov?? [Soyuz-2](#) 1A / Fregat Kanopus V 5, Kanopus V 6

Nov?? [Delta IV](#)-M (5,4) WGS 10 60

Nov?? [CZ-5](#) Y3 SJ-18 02 (DFH-5 platform)

**Nov??** [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

?? [Epsilon](#) (4) Inovative Technology Demonstration Satellite – 1, OrigamiSat-1

Launch site: [Tanegashima](#), Japan

?? Minotaur 1

NROL 111

?? [Falcon 9](#)

Spaceflight GTO.C

?? [CZ-2D](#)

GF-7 Gaofen-7

?? [CZ-3B/E](#)

Apstar-6D

**?Dec20.** [Proton-M](#) **MLM**

Dec?? [CZ-3B/GIII](#) Chang'e-4 (Moon far side Aitken Basin lander/rover)

Dec?? ?? Korean Pathfinder Lunar Orbiter

Dec?? [Soyuz ST](#) B/[Fregat](#)-MT CHEOPS (Characterising ExOPlanet Satellite)

Dec?? [Soyuz ST](#) B/[Fregat](#)-M MetOp-C

Dec?? [Proton-M/Briz-M](#) Ямал-601

Dec?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x10)

Dec?? [Soyuz-2-1B/Fregat](#) M Meridian 18L

Dec?? [Soyuz-2-1B/Fregat](#)-M Glonass K 15

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

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

?? [Falcon 9](#) Es'hail 2

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

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra 4 40

**??** [Soyuz-2](#) 1B /[Fregat](#)-M **Neutron (Kosmos)**

?? [Vega](#) (VV12) Aeolus / ADM

?? [Ariane 5](#) Heinrich Hertz

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

?? [Atlas 5](#) AEHF 5

?? [Vega](#) MN35-13 B [Morocco EO Sat 1 2](#)

?? [CZ-3B/YZ-1](#) Beidou 3 MEO M11, Beidou 3 MEO M12

?? [CZ-3B/YZ-1](#) Beidou 3 MEO M13, Beidou 3 MEO M14

?? [CZ-3B/YZ-1](#) Beidou 3 MEO M15, Beidou 3 MEO M16

?? [CZ-3B/YZ-1](#) Beidou 3 MEO M17, Beidou 3 MEO M18

?? ?? Taurus-1



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Launch site: [Taiyuan](#), China

??	<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	Deep Space Solar Observatory	
??	CZ-2	CAS-2A1, CAS-2A2	
??	<a href="#">CZ-3B/E</a>	CongoSat 1	
??	??	Small Military Meteorological Satellite (x6)	20
??	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	
??	<a href="#">CZ-3C</a>	<a href="#">Beidou 3</a> G8	
??	CZ	Orbita-1 1	
??	CZ	Huaizong-1	
??	<a href="#">LS-1</a>	LandSpace-1 (China)	
??	<a href="#">CZ-3B</a> /YZ-1	ZX-6C Zhongxing-6C	
??	<a href="#">CZ-3A</a>	FY-2H Fengyun-2H	
??	<a href="#">CZ-2D</a>	SaudiSAT 5B	
??	CZ	YG-32 <a href="#">Yaogan Weixing</a> 32	

?? [GSLV](#) MK II F12 GSAT-7A

?? [Simorgh](#) [Dosti](#)

Launch site: [Semnan](#), Iran

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

?? [Unha-3](#) Kwangmyŏngsŏng-5

?? Tronador II/VEX5 TBD (suborbital)

Launch site: Puerto Belgrano, Argentina

6 + 23  
 31 + 146

**2019.**



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

CDR: Eric **Boe**, Sunita **Williams**

?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C 120

**Feb01.** [Falcon 9](#) [Dragon SpX-17](#)

**Feb06.** [Soyuz-2](#) [Progress MS 11](#)

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

Feb?? [Atlas 5](#) 551 (AV-086) AEHF-6

?? [Soyuz-2-1B](#) Arktika M 1

Launch site: Восточный (Vostochniy), Cosmodrome, Russia

**Mar07.** [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Андрѐй Николаѐвич **Ба́бкин** (Andrei Nikolaevich **Babkin**), Shannon **Walker**

Mar?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B

Mar?? [Falcon 9](#) GPS IIIA-2

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

?? [Soyuz-2-1B](#)/[Fregat](#) Glonass K2 / 13

?? [Ariane 5](#) ECA EDRS-C (Hylas 3)

?? [Soyuz-2-1B](#) [EgyptSat A](#)

?? [Soyuz ST](#) B/[Fregat](#)-MT Cosmo-SkyMed Secon Gen 1 CSG-1

?? [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.

Apr?? ?? GOES-T

Apr?? [CZ-3B/E](#) Nicasat 1

Apr?? [CZ-3C](#) Beidou 3 I2Q

Apr?? [Atlas 5](#) 531 [Cygnus](#) OA-11

Apr?? [Falcon 9](#) Dragon v2 (USCV-1) with 2 astronauts

Apr?? [Soyuz-2](#) [Progress MS 12](#) 100

May?? Soyuz 2-1A [Soyuz MS 13 \(S60/61\)](#)

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

May?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2) with 2 astronauts

May?? [Falcon 9](#) FT [Dragon](#) SpX-18

May?? CZ CBERS-4A

June?? [Atlas 5](#) 551 STP-03

June?? [CZ-5](#) B Test flight

?? [PSLV](#) RISAT 1A

?? [CZ-3B/G2](#) TECSTAR 1

?? SSLV ??

?? [Soyuz ST](#) B/[Fregat](#)-MT [O3b](#) (FM17-20)

?? [GSLV](#) MK II F10 GISAT

?? [PSLV](#) Cartosat-3



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July??	<a href="#">CZ-3C</a>	Beidou 3 I3Q	
July??	H-2B (F9)	HTV8	
??	<a href="#">Ariane 5</a>	Inmarsat-5 F5	
Aug??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	EarthCare	
Aug??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 13	80
??	<a href="#">Delta IV</a>	GPS IIIA-3	
Sep??	Soyuz 2-1A	<a href="#">Soyuz MS</a> 14 (S61/62)	
CDR:	<b>Борисенко</b> (Andrei Borisenko), <b>Чуб</b> , (Nikolai Chub), Christina <b>Koch</b>		
Oct??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M19, Beidou 3 MEO M20	
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	<a href="#">Gonets</a> x 3 (No 27,28,29)	
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs №5	
Oct??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-1	
Oct??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-19	
<b>Nov14.</b>	<b><a href="#">Soyuz-2</a> 1B</b>	<b>Progress M-UM</b>	
<b>Nov29.</b>	<b><a href="#">Soyuz-2</a> 1a / <a href="#">Fregat</a></b>	<b>Luna 25 (Luna-Glob-1)</b>	
Nov??	<a href="#">Falcon 9</a>	USCV-3 (US Commercial Vehicles)	
CDR:	??(NASA), ??(NASA), ??(RF)		
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2 / 14	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Blagovest 14	
??	<a href="#">Falcon 9</a>	GPS IIIA-4	
??	<a href="#">Vega</a>	Seosat (Ingenio)	
Dec??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
Dec??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Ekspress 80, Ekspress 103	
??	<a href="#">Atlas 5</a> 551	AFSPC-7 (X-37B OTV 6)	
??	<a href="#">Falcon 9</a>	Astrium active SARah satellite	
??	<a href="#">Atlas 5</a> 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	60
??	<a href="#">Falcon 9</a>	GiSat-1	
??	<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="#">Ariane 5</a> ECA	Intelsat 39	
??	<a href="#">Soyuz ST</a> / <a href="#">Vega</a>	MicroCarb	
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	Sentinel-1C	
??	<a href="#">Ariane 5</a>	ViaSat-3	
??	<a href="#">Ariane 5</a>	JCSat 17	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	SkyTerra 2	



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??	<a href="#">Proton-M/Briz-M</a>	Luch 5M	
??	<a href="#">Proton-M/Briz-M</a>	Yenisey A1	
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Glonass M 61	
??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/</a>	56,57,58
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Glonass K1 / 17	
??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/K18,K19,K20</a>	
??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/K21,K22,K23</a>	
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Glonass K1 / 16	40
??	<a href="#">Proton-M/Briz-M</a>	Ямал-501	
??	<a href="#">Proton-M/Briz-M</a>	EutelSat	
??	<a href="#">Proton-M/Briz-M</a>	IntelSat	
??	<a href="#">Soyuz-2-1B/Fregat M</a>	Meridian 19L	
??	<a href="#">Soyuz-2-</a>	Razdan 1	
??	<a href="#">Angara 1.2</a>	Kosmos	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
??	<a href="#">Proton-M/Briz-M</a>	Blagovest 13	
??	<a href="#">Proton-M/Briz-M</a>	Ямал-GK-1	
??	<a href="#">Proton-M/Briz-M</a>	Anik G2V	
??	<a href="#">Proton-M</a>	PTK NP	
??	<a href="#">Soyuz-2-1B</a>	Obzor R -1	
??	<a href="#">Soyuz-2 1A</a>	Energiya-100	
??	<a href="#">Soyuz-2-1B</a>	Pion	
??	<a href="#">Soyuz-2-1B/ Fregat-M</a>	Glonass K2	
??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass K2	
??	<a href="#">Proton-M/ DM 3</a>	Kosmos (Repei??)	
??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M</a>	
??	<a href="#">Soyuz-2-1B</a>	Arktika	20
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Resurs №4	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Kondor-FKA n.º 1	
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	
??	<a href="#">Soyuz ST</a>	CSO 1	
??	<a href="#">Soyuz ST B/Fregat-MT</a>	OneWeb smalsat (x32)	
??	<a href="#">CZ-5</a>	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	
??	<a href="#">CZ-4B</a>	HY-2D Haiyang-2D	
??	CZ	Sun Fixed-Point Observation	
??	<a href="#">CZ-4B</a>	HY-2C Haiyang-2C	
??	CZ	CBERS-SAR 1	
??	??	Hainan-1 (1)	
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	





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

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

?? [PSLV](#) ScatSat, NovaSAR

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## 2020.

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

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

Feb?? H-2B (F10)

HTV9

Feb?? [Falcon 9](#) FT

[Dragon](#) SpX-21

Feb?? [Soyuz-2](#)

[Progress MS](#) 14

**Mar30.** [Soyuz 2-1A](#) [Soyuz MS 15 \(S62/63\)](#)

CDR: **Рыжиков** (Sergei Ryshikov), Jessica **Meir** (NASA), Soichi **Noguchi** (JAXA)

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))

satellite))

?? [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)

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

?? CZ-2F/G SZ-12 Shenzhou-12

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

May?? [Soyuz-2](#) [Progress MS](#) 15

May?? [Ariane 5](#) ES JWST (James Webb Space Telescope)

?? [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 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](#) 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,



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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.

**July24. [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 2018. 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

**Sep30. [Soyuz 2-1A](#) [Soyuz MS 16 \(S63/64\)](#)**

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

Oct?? Vega Proba 3

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-5 (US Commercial Vehicles)  
 Nov?? [Soyuz-2](#) [Progress MS 16](#)

**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  
 ?? ?? HypIRI  
 ?? Antares IMAP/STP-05

?? [Falcon 9](#) FT [Dragon](#) SpX-22  
 ?? [Antares](#) 230 [Cygnus](#) OA-12

?? [Falcon H](#) ViaSat 3  
 ?? [Falcon 9](#) KPLO (Korea Pathfinder Lunar Orbiter)

?? [Proton-M](#) HЭM-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

?? [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



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??	<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
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)
??	??	Картограф-ОЭ №1
??	<a href="#">Vega</a>	Sentinel-2C
??	<a href="#">Vega</a>	Sentinel-3C
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	<a href="#">Ariane 5</a>	Arsat 3
??	<a href="#">CZ-5</a>	Chang'e-6
??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	<a href="#">CZ-3B/</a> Palapa 1N	
??	??	Hainan-1 (4)
??	??	Hainan-1 (5)
??	??	Hainan-1 (6)
??	??	Sanya-1 (1)
??	??	Sanya-1 (2)
??	<a href="#">GSLV</a> MK III	MOM-2 Follow on Mars Mission
??	<a href="#">PSLV</a>	EnMap
??	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

?? [Soyuz-2](#) [Progress MS 17](#)

**Mar30.** [Soyuz-2-1A](#) [Soyuz MS 17](#)

Cdr: xx, Akihiko Hoshide, xx

Apr?? [Soyuz ST B/Fregat](#) M MarcoPolo-R

?? [CZ-5](#) B Wentian Lab module Space station module



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May??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-6 (US Commercial Vehicles)
June??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> 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)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 18
??	CZ-2F/G	SZ-14 Shenzhou-14
July??	Vulcan/Minotaur 6/ <a href="#">Falcon 9</a> v1.1	JPSS-2
July??	<a href="#">Vega</a>	Biomass
<b>Sep30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 18</a>
Sep??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	MetOp-SG A1/EPS-SG-a/Sentinel-5A
Oct??	<a href="#">Atlas 5</a> 401/ <a href="#">Falcon 9</a> v1.1	JPSS Free Flyer 2 (TSIS-2)
Nov??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-7 (US Commercial Vehicles)
??	<a href="#">Ariane 5</a>	MTG-I1
??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-2
??	<a href="#">Falcon 9</a>	GPS IIIA-6
??	<a href="#">Falcon 9</a>	GPS IIIA-7
??	<a href="#">Falcon 9</a>	GPS IIIA-8
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 19
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	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</a> / <a href="#">Fregat</a> -M	Resurs PM - 2
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Meteor M No2-4
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Ekspress-RV1, Ekspress-RV2
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Ekspress AMU 4
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Smotr R №1
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	IntelSat
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Elektro L - 4
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Arktika M 2
??	<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)
??	??	Sansha-1 (1)
??	??	Sansha-1 (2)

## 2022.



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Jan??	??	Solar Sentinels
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 20</a>
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.
<b>Mar30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 19</a></b>
??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	<a href="#">CZ-5</a> B	Xuntian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15
May??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-8 (US Commercial Vehicles)
<b>June04.</b>	<b>SLS Block I</b>	<b>Orion: Exploration Mission 2 (Crew to Cis lunar Mission)</b>
June??	<a href="#">Ariane 5</a> ECA	JUICE (JU piter ICy moon Explorer)
June??	Ariane 5	MTG-I2
??	Sunkar ??	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 21</a>
Aug??	H2B	Phobos sample return
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 20</a></b>
Sep??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	MetOp-SG B1
Nov??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-9 (US Commercial Vehicles)
??	Sunkar Federatsia (unmaned)	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 22</a>
??	<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="#">Falcon 9</a>	GPS IIIA-9/GPS IIIB-1
??	<a href="#">Falcon 9</a>	GPS IIIA-10/GPS IIIB-2
??	<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="#">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="#">Proton-M/Briz-M</a>	Elektro L - 5
??	<a href="#">Ariane 5</a>	Moon's south pole samples return mission
??	<a href="#">Vega</a>	Jason-CS B



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?? Ariane 5 ATHENA

?? CZ HY-3C Haiyang-3C

## 2023.

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

**Mar30.** [Soyuz-2-1A](#) [Soyuz MS 21](#)

?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)

?? CZ-2F/G SZ-16 Shenzhou-16

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

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

**Sep30.** [Soyuz-2-1A](#) [Soyuz MS 22](#)

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

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-11 (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](#) 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](#) 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



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<b>Mar30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 23</a>	
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)	
May??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-12 (US Commercial Vehicles)	
<b>Sep30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 24</a>	
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	
??	<a href="#">Soyuz-2</a> 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-2-1A</a>	Obzor P -1	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Razdan - 3	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-6	
??	??	DYNAMIC/STP-06	
??	CZ	Asteroid (Ceres) Sample Return Mission	
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)	
<b>2025</b>			
??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)	
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 25	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 29	
??	SLS Block I	Europa Clipper	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resonans 2A, 2B, MKA-PN5	
??	??	Ямал GK VEO 2	
??	??	Ямал GK VEO 3	
??	<a href="#">Angara</a> 1.2	<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	
??	CZ	Chang'e-7 (Moon south pole landing)	



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### 2026.

June??	<a href="#">Angara</a> 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)
??	<a href="#">Angara</a> A5/DM03	Bumerang (FobosGrunt 2)

### 2069.

??	??	<a href="#">Interstellar mission</a>
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