



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (23.4.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 23.Apr.2018.

**Apr25. 1757UTC** [Rokot / Briz KM](#) [Sentinel 3B](#)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

**Apr26.** [CZ-11](#) [Zhuhai-1](#)  
Launch site: [Jiuquan](#), China

**May02.** [CZ-4B](#) [GF-5 Gaofen-5](#)  
Launch site: [Taiyuan](#), China [CZ-4B](#)

**May04. 2000UTC** [Falcon 9](#) [Bangabandhu-1](#)  
Launch site: [Cape Canaveral](#), USA

**May05. 1105UTC** [Atlas 5 401 AV-078](#) [InSight](#)  
Launch site: [Vandenberg](#), USA

**May06.** [CZ-3B/G2](#) [APStar-6C](#)  
Launch site: [Xichang](#), China

**May19. 2003UTC** [Falcon 9](#) [Iridium Next Flight 6 \(x5\), GRACE FO\\_1, FO\\_2](#) Launch site: [Vandenberg](#), USA

**May20.** [Antares 230](#) [Cygnum Orb-9E](#)  
Launch site: [Wallops Island](#), USA

**May21.** [CZ-3B/G2](#) [L2 Chang'e 4 communications relay satellite](#)  
Launch site: [Xichang](#), China

**May24.** [Falcon 9](#) [SES-12](#)  
Launch site: [Cape Canaveral](#), USA

**May??** [Electron](#) [Outerspace 1, Lemur](#)  
Launch site: [Kaitorete Spit](#), New Zeland

May?? [Soyuz-2-1B/ Fregat-M](#) [Glonass-M](#) 59

?? [KZ-1A](#) [Jilin 1-09](#)  
?? [KZ-1A](#) [Jilin 1-10](#)  
?? [KZ-1A](#) [Jilin 1-11](#)  
?? [KZ-1A](#) [Jilin 1-12](#)

**June06.** [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)  
**CDR:** Сергей Валерьевич Прокопьев (Sergei Valerevich **Prokopyev**), Serena **Auñón-Chancellor**, Alexander **Gerst**

**June10.** [CZ-3A](#) [FY-2H Fengyun-2H](#)

**June11. 0400UTC** [H-2A](#) [IGS Radar-6](#)



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<b>June12.</b>	<a href="#">CZ-2D</a>	<b>GF-6 Gaofen-6, LJ-1 Luojia-1</b>	<b>120</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			
<b>June28. 0900UTC</b>	<a href="#">Falcon 9</a>	<a href="#">Dragon SpX-15</a>	
Launch site: <a href="#">Cape Canaveral</a> , USA			
June??	<a href="#">Rokot / Briz KMGeo IK 2</a>	13L	
Launch site: Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia			
June??	<a href="#">CZ-2C</a>	<a href="#">Pakistani Remote Sensing Satellite (PRSS) 1</a>	
Launch site: <a href="#">Taiyuan</a> , China			
<b>June??</b>	<a href="#">Ariane 5</a> ECA (VA243)	<a href="#">GSAT-11</a> , <a href="#">Azerspace 2</a> (Intelsat 38)	
Launch site: <a href="#">Kourou</a> , French Guiana			
June??	<a href="#">Falcon 9</a>	<a href="#">Iridium Next</a> Flight 7 (x10)	
June??	<a href="#">GSLV</a> MK III D2	GSAT-29	
June??	<a href="#">Falcon 9</a>	Telstar 19	
<b>June??</b>	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M7, <a href="#">Beidou 3</a> MEO M8	
??	KZ-11	Xiaoxiang-4	
??	<a href="#">Electron</a>	ELaNa, ...	
<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>July25. 2041UTC</b>	<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)	
<b>July31. 0815UTC</b>	<b>Delta 4-H</b>	<b>Parker Solar Probe</b>	
July??	<a href="#">Soyuz-2 1A</a>	Bars-M 3	
July??	<a href="#">Falcon 9</a>	Radarsat C-1, -2, C-3	
July??	<a href="#">Falcon Heavy</a>	STP-02	
<b>July??</b>	<a href="#">Falcon 9</a>	Telstar 18	
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M9, <a href="#">Beidou 3</a> MEO M10	<b>100</b>
??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2A	
??	<a href="#">Falcon 9</a>	Telkom 4	
??	<a href="#">Angara</a> A5/ <a href="#">Briz-M</a>	Kosmos	
<b>Aug16.</b>	<b>H-2B (F7)</b>	<b>HTV7</b>	
<b>Aug21.</b>	<a href="#">Vega</a> (VV12)	<b>Aeolus / ADM</b>	
<b>Aug30.</b>	<a href="#">Falcon 9</a> (SPx-DM1)	<b>Dragon v2 unmanned test</b>	
Aug??	<a href="#">CZ-3C</a>	<a href="#">Beidou 2</a> I7	
Aug??	<a href="#">CZ-11</a>	OKW-2	
Aug??	<a href="#">Falcon 9</a>	<a href="#">Iridium Next</a> Flight 8 (x10)	
??	<a href="#">PSLV</a> C42	??	
??	<a href="#">Rokot / Briz KM</a> Rodnik		



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<b>Sep12.</b>	<b>1246UTC</b>	<b>Delta II 7320-10C</b>	<b>ICESat-II</b>	
<b>Sep19.</b>	<b>0047UTC</b>	<b><a href="#">Soyuz ST B/Fregat-M</a></b>	<b>MetOp-C</b>	
<b>Sep26.</b>		<b>Delta 4-H</b>	<b>NROL-71</b>	
Sep??		<a href="#">Proton-M/ DM-03</a>	<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)	
Sep??		<a href="#">Falcon 9</a>	SAOCAM-1A, ITASAT-1	
??		<a href="#">Ariane 5</a> ECA	Eutelsat 7C	
??		<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 (531) (AV073)</a></b>	<b>AEHF-4</b>	
<b>Oct22.</b>		<b><a href="#">Proton-M/Briz-M</a></b>	<b>Elektro L – 3</b>	
<b>Oct??</b>		<a href="#">Soyuz-2</a> 1A	<a href="#">Soyuz MS 10</a> (S57/58)	
CDR: <b>Алексей Николаевич</b> Овчинин ( <b>Aleksei Nikolaevich</b> Ovchinin), <b>Tyler</b> Hague				
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>	<a href="#">Glonass-M</a> 60	
??		<a href="#">Ariane 5</a>	Horizon 3e	
??		<a href="#">Falcon H</a>	Arabsat 6A	
<b>Nov08.</b>		<b><a href="#">Antares 230</a></b>	<b><a href="#">Cygnum Orb-10E</a></b>	
<b>Nov18.</b>		<b><a href="#">Falcon 9 FT</a></b>	<b><a href="#">Dragon SpX-16</a></b>	
<b>Nov27.</b>		<b><a href="#">Atlas 5 N22 (AV80)</a></b>	<b>CST-100 Starliner (unmanned test)</b>	
<b>Nov??</b>		<a href="#">Vega</a>	<a href="#">Prisma</a>	
Launch site: <a href="#">Kourou</a> , French Guiana				
Nov??		<a href="#">Delta IV-M</a> (5,4)	WGS 10	
Nov??		<a href="#">CZ-5 Y3</a>	SJ-18 02 (DFH-5 platform)	60
Nov??		<a href="#">Soyuz ST B/Fregat-MT</a>	OneWeb smalsat (x32)	
??		<a href="#">Epsilon</a> (4)	Inovative Technology Demonstration Satellite – 1, OrigamiSat-1	
Launch site: <a href="#">Tanegashima</a> , Japan				



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??	Minotaur 1	NROL 111
??	<a href="#">Falcon 9</a>	Spaceflight GTO.C
??	<a href="#">CZ-2D</a>	GF-7 Gaofen-7
??	<a href="#">CZ-3B/E</a>	Apstar-6D
??	<a href="#">Falcon 9</a>	PSN VI

## Dec13. [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)

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

## Dec31. [Falcon 9 \(SPx-DM2\)](#) [Dragon v2](#)

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

Dec??	<a href="#">CZ-3B/GIII</a>	Chang'e-4 (Moon far side Aitken Basin lander/rover)
Dec??	??	Korean Pathfinder Lunar Orbiter
Dec??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	CHEOPS (Characterising ExOPlanet Satellite)
Dec??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x10)
Dec??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> M	Meridian 18L
Dec??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Glonass K 15
Dec??	<a href="#">Soyuz-2</a> 1A / <a href="#">Fregat</a>	Kanopus V 5, Kanopus V 6
Dec??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4

?? [Zenit 3 SL](#) /[Fregat](#)-SB Lybid'  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

??	<a href="#">Falcon 9</a>	Es'hail 2
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Tundra 3 <span style="color: red;">40</span>
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Tundra 4
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Neutron (Kosmos)

??	Minotaur-4	FORMOSAT-7 (6 sat)
??	<a href="#">Atlas 5</a>	AEHF 5

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

??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M11, Beidou 3 MEO M12
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M13, Beidou 3 MEO M14
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M15, Beidou 3 MEO M16
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M17, Beidou 3 MEO M18

?? ?? Taurus-1  
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

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

?? ?? Small Military Meteorological Satellite (x6)



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?? CZ FY-3E Fengyun-3E 20  
 ?? 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-3C](#) [Beidou 3 G8](#)

?? CZ Orbita-1 1  
 ?? CZ Huaizong-1  
 ?? [LS-1](#) LandSpace-1 (China)

?? [CZ-3B/YZ-1](#) ZX-6C Zhongxing-6C  
 ?? [CZ-2D](#) SaudiSAT 5B  
 ?? CZ YG-32 [Yaogan Weixing](#) 32  
 ?? CZ?? Tianzhi-1

?? [GSLV](#) MK II F12 GSAT-7A  
 ?? [PSLV](#) Cartosat-3

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

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

?? [Unha-3](#) Kwangmyŏngsŏng-5

8 + 21  
 38 + 139

## 2019.

Jan?? [Proton-M/Briz-M](#) Ямал-601

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

**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

Mar?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B  
 Mar?? [Falcon 9](#) GPS IIIA-2



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

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
 ?? [Soyuz-2-1B](#)/[Fregat](#) Glonass K2 / 13  
 ?? [Soyuz-2-1B](#) EgyptSat A  
 ?? [Soyuz ST](#) B/[Fregat](#)-MT Cosmo-SkyMed Secon Gen 1 CSG-1  
 ?? [Vega](#) TARANIS

?? **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?? [Soyuz-2](#) 1A [Soyuz MS](#) 12 (S59/60)  
 CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Андрѐй Николаѐвич **Ба́бкин** (Andrei Nikolaevich **Babkin**), Shannon **Walker**

Apr?? ?? GOES-T  
 Apr?? [CZ-3B/E](#) Nicasat 1  
 Apr?? [CZ-3C](#) Beidou 3 I2Q **100**  
 Apr?? [Atlas 5](#) 531 [Cygnus](#) OA-11  
 Apr?? [Falcon 9](#) Dragon v2 (USCV-1) with 2 astronauts  
 Apr?? [Soyuz-2](#) [Progress MS](#) 12

May?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2) with 2 astronauts  
 May?? [Falcon 9](#) FT [Dragon](#) SpX-18  
 May?? CZ CBERS-4A  
 May?? [Ariane 5](#) ECA EDRS-C (Hylas 3)

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

July?? Soyuz 2-1A [Soyuz MS](#) 13 (S60/61)  
 CDR: **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

July?? [CZ-3C](#) Beidou 3 I3Q  
 July?? H-2B (F9) HTV8

?? [Ariane 5](#) Inmarsat-5 F5

Aug?? [Soyuz ST](#) B/[Fregat](#)-MT EarthCare  
 Aug?? [Soyuz-2](#) [Progress MS](#) 13 **80**  
 Aug?? [Proton-M](#) MLM

?? [Delta IV](#) GPS IIIA-3

Oct?? Soyuz 2-1A [Soyuz MS](#) 14 (S61/62)  
 CDR: **Борисенко** (Andrei Borisenko), **Чуб**,(Nikolai Chub), Christina **Koch**



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Oct??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M19, Beidou 3 MEO M20
Oct??	<a href="#">Soyuz-2 1B /Fregat-M</a>	<a href="#">Gonets</a> x 3 (No 27,28,29)
Oct??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Resurs №5
Oct??	<a href="#">Atlas 5 552</a>	Dream Chaser Cargo System SNC-1
Oct??	<a href="#">Falcon 9 FT</a>	<a href="#">Dragon</a> SpX-19

**Nov14.**                      [Soyuz-2 1B](#)                      **Progress M-UM**

**Nov29.**                      [Soyuz-2 1a / Fregat](#)                      **Luna 25 (Luna-Glob-1)**

Nov??	<a href="#">Falcon 9</a>	USCV-3 (US Commercial Vehicles)
CDR: ??(NASA), ??(NASA), ??(RF)		

??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 14
??	<a href="#">Proton-M/Briz-M</a>	Blagovest 14
??	<a href="#">Falcon 9</a>	GPS IIIA-4
??	<a href="#">Vega</a>	Seosat (Ingenio)
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

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

??	<a href="#">Falcon 9</a>	Astrium active SARah satellite	
??	<a href="#">Atlas 5 551</a>	Asteroid Retrieval Spacecraft (ARS)	60
??	??	EX-3	
??	<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 ECA</a>	Eutelsat Quantum
??	<a href="#">Ariane 5 ECA</a>	African Broadband Satellite
??	<a href="#">Ariane 5 ECA</a>	Intelsat 39

??	<a href="#">Soyuz ST / Vega</a>	MicroCarb
??	<a href="#">Soyuz ST B/Fregat-MT</a>	Sentinel-1C
??	<a href="#">Ariane 5</a>	ViaSat-3
??	<a href="#">Ariane 5</a>	JCSat 17

??	<a href="#">Proton-M/Briz-M</a>	SkyTerra 2
??	<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>	<a href="#">Glonass-M 61</a>
??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/ 56,57,58</a>
??	<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



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??	<a href="#">Soyuz-2-1B/Fregat</a> M	Meridian 19L	
??	<a href="#">Soyuz-2-</a>	Razdan 1	
??	<a href="#">Angara</a> 1.2	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</a> 1A	Energiya-100	
??	<a href="#">Soyuz-2-1B</a>	Pion	
??	<a href="#">Soyuz-2-1B/ Fregat</a> -M	Glonass K2	
??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass K2	
??	<a href="#">Proton-M/</a> DM 3	Kosmos (Repei??)	
??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass-M</a>	20
??	<a href="#">Soyuz-2-1B</a>	Arktika	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs №4	
??	<a href="#">Soyuz-2-1B/Fregat</a> -M	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</a> B/ <a href="#">Fregat</a> -MT	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)	

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

?? [PSLV](#) ScatSat, NovaSAR

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**2020.**

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





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<b>Feb05.</b>	<b><a href="#">Atlas 5</a></b>	<b><a href="#">Solar Orbiter (SoI0) (ESA)</a></b>
Feb??	H-2B (F10)	HTV9
Feb??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 14</a>
Mar??	<a href="#">Delta IV-M</a>	DMSP-5D3 F20
Mar??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K1 / 22
Mar?? satellite))	<a href="#">Atlas 5 551</a>	AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))
??	<a href="#">CZ-5</a>	Tian He Space Station Core Module
Apr??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M23, Beidou 3 MEO M24
Apr??	Angara-1.2/AM <a href="#">Gonets</a>	x 3 (No 30,31,32)
Apr??	<a href="#">Falcon 9 FT</a>	<a href="#">Dragon</a> SpX-21
??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-12 Shenzhou-12
<b>May??</b>	Soyuz 2-1A	<a href="#">Soyuz MS 15 (S62/63)</a>
	CDR: <b>Рыжиков</b> (Sergei Ryshikov), Jessica <b>Meir</b> (NASA), Soichi <b>Noguchi</b> (JAXA)	
May??	<a href="#">Atlas 5 402</a>	USCV-4 (US Commercial Vehicles)
May??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 15</a>
May??	<a href="#">Ariane 5 ES</a>	JWST (James Webb Space Telescope)
??	<a href="#">CZ-3B/G2</a>	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??	<a href="#">CZ-3C</a>	Beidou 3 G3Q
June??	Vega_C	Space Rider flight 1
June??	<a href="#">Atlas 5 551</a>	AFSPC-8 (GSSAP 5, GSSAP 6)
<b>July16</b>	<b><a href="#">Ariane 62</a></b>	<b><a href="#">Galileo-FOC FM23, Galileo-FOC FM24</a></b>
<b>July17.</b>	<b><a href="#">Atlas 5</a> (541)</b>	<b><a href="#">Mars 2020 rover</a></b> 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.
<b>July24.</b>	<b><a href="#">Proton-M/Briz-M</a></b>	<b><a href="#">ExoMars (CM+DM)</a></b> 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??	<a href="#">CZ-3C</a>	Beidou 3 G2Q
July??	<a href="#">CZ-5</a>	<a href="#">Mars probe</a> (orbiter + lander + rover)
??	Vega-C Pleiades Neo 1, Pleiades Neo 2	
Sep??	CZ	CBERS-6
Sep??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 15



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??	CZ-2F/G	SZ-13 Shenzhou-13
??	<a href="#">Falcon 9</a>	GPS IIIA-5
Oct??	Vega	Proba 3
Nov??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-5 (US Commercial Vehicles)
Nov??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 16
Nov??	Soyuz 2-1A	<a href="#">Soyuz MS</a> 16 (S63/64)

## 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="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-22
??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> OA-12
??	<a href="#">Falcon H</a>	ViaSat 3
??	<a href="#">Falcon 9</a>	KPLO (Korea Pathfinder Lunar Orbiter)
??	<a href="#">Proton-M</a>	H3M-1
??	<a href="#">Soyuz-2-1B/ Fregat-M</a>	Glonass M 55
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Glonass-M/</a> 53
??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass M/ 58
??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass M / 59
??	<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
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



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??	<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/ Palapa 1N</a>	
??	??	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
??	<a href="#">PSLV</a> XL	<a href="#">Aditya'</a>
??	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

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-6 (US Commercial Vehicles)

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 18](#)

?? CZ-2F/G SZ-14 Shenzhou-14

July?? Vulcan/Minotaur 6/[Falcon 9](#) v1.1 JPSS-2

July?? [Vega](#) Biomass

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



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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="#">Ariane 5</a>	Heinrich Hertz
??	<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</a> -1B/ <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</a> -1B/ <a href="#">Fregat</a> -M	Resurs PM - 2
??	<a href="#">Soyuz-2</a> -1B/ <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/Briz-M</a>	Ekspress-RV1, Ekspress-RV2
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 4
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Smotr R №1
??	<a href="#">Proton-M/Briz-M</a>	IntelSat
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 4
??	<a href="#">Soyuz-2</a> -1B/ <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.

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](#) 19

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



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??	<a href="#">CZ-5 B</a> 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 Cislunar) Mission)</b>
June??	<a href="#">Ariane 5</a> ECA	JUICE (JUperiter ICy moon Explorer)
June??	Ariane 5	MTG-I2
??	Sunkar ??	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 21
Aug??	H2B	Phobos sample return
<b>Sep30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 20
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</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="#">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
??	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>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 21
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16



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- May?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-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](#) USCVC-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](#) 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](#) 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](#) 23
- ?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
- May?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-12 (US Commercial Vehicles)
- Sep30.** [Soyuz-2-1A](#) [Soyuz MS](#) 24
- Oct?? EELV GOES-U
- ?? SLS Block IA II Orion: Exploration Mission 4 (Crew to Cislunar)
- ?? Sunkar Federatsia (Light 14t – 2 man to ISS)



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?? [Soyuz-2](#) [Progress MS](#) 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](#)-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  
 ?? [Soyuz-2](#) [Progress MS](#) 29  
 ?? 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 (*Venera D*) 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](#)