



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (4.12.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 04.Dec.2017.

**Dec07.**      [Electron](#)      [Still Testing](#)

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

**Dec08.**    **1820UTC**    [Falcon 9](#)      [Dragon](#) SpX-13

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

**Dec11.**      [CZ-3B/E](#)      [Alcomsat-1](#)

Launch site: [Xichang](#), China

**Dec12.**    **1836UTC**    [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.**    **0721UTC**    [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.**    **0126UTC**    [H-2A](#) (F37)

[GCOM-C](#)

Launch site: [Tanegashima](#), Japan

10

**Dec23.**    **0132UTC**    [Falcon 9](#)      [Iridium Next](#) Flight 4 (x10)

Launch site: [Vandenberg](#), USA

**Dec25.**    **0100UTC**    SS-520-4

[Tricom-1R](#)

Launch site: [Tanegashima](#), Japan

**Dec25.**      [CZ-2D](#)

GJ-1 [GaoJing-1](#) 03/04

Launch site: [Jiuquan](#), China

**Dec26.**      [Zenit 3-SLB](#) / [DM-SLB](#)      [AngoSat](#)

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

**Dec27.**      [Soyuz-2-1V](#)      [Kosmos EMKA](#)

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

Dec??      [CZ-3B/YZ-1](#)

[Beidou 3](#) MEO M3, [Beidou 3](#) MEO M4

Launch site: [Xichang](#), China

Dec??      CZ-2C

CX-5 Chuangxin-5

Launch site: [Xichang](#), China

??      [Simorgh](#)

[Dosti](#)



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Launch site: [Semnan](#), Iran

?? Unha-3 Kwangmyŏngsŏng-5

16 + (2)  
81 + (17)

## 2018.

**Jan07.** [PSLV XL \(C40\)](#) [CartoSat 2E](#)

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

**Jan15.** [Falcon 9](#) **SES-16**

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

**Jan17.** [CZ-11](#) **TY-2, 3, 4, 5 Tianyi Jilin-1-04 (Lingqiao 1-04), Jilin-1-05 (Lingqiao 1-05), Jilin-1-06 (Lingqiao 1-06), Jilin-1-07 (Deqing-1), Jilin-1-08, Quantutong-1 (QTT-1), Kepler (CubeSat-3U)**

Launch site: [Jiuquan](#), China

**Jan19.** **0040UTC** [Atlas 5 401 \(AV076\)](#) **SBIRS-GEO 4** **180**

**Jan25.** [Ariane 5 ECA \(VA241\)](#) **Al Yah 3 / SES 14 GOLD**

**Jan30.** [Falcon 9 FT](#) **PAZ**

**Jan??** Falcon H Demo Flight

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

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

**??** [Falcon 9](#) Mission 1390 - Zuma (no info about!!)

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

??	<a href="#">CZ-3B/YZ-1</a>	ZX-6C Zhongxing-6C
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Glonass-M/ 59</a>
??	<a href="#">CZ-3A</a>	FY-2H Fengyun-2H
??	<a href="#">CZ-2D</a>	GF-6 Gaofen-6
??	<a href="#">CZ-2D</a>	SaudiSAT 5B
??	<a href="#">Falcon 9 FT</a>	Es'hail 2
??	CZ	YG-32 <a href="#">Yaogan Weixing</a> 32
??	<a href="#">Falcon 9</a>	Hispasat 30W-6 (1F)

**Feb01.** [CZ-2D](#) **ZH-1 Zengheng 1 ([ESEM experimental satellite on Electromagnetism Monitoring](#)), [Ministar-1](#), [Fengmaniu-1](#), [GomX-4B](#), [GomX-4A](#)**

**Feb11.** [Soyuz-2 1A](#) [Progress MS 8](#)

**Feb20.** **CZ Taurus-1**

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

**Feb??** [Falcon 9 FT](#) SES-12

**??** [Falcon 9 FT](#) [Iridium Next](#) Flight 5 (x10)  
Launch site: [Vandenberg](#), USA **160**



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?? Epsilon (3) ASNARO 2  
Launch site: [Tanegashima](#), Japan

?? [Soyuz-2-1B](#) Pion  
?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M5, [Beidou 3](#) MEO M6  
?? [H-2A](#) [IGS Optical-6](#)  
?? [PSLV](#) XL (C41) IRNSS I  
?? CZ-2C Yaogan 30-03 (3 sats)

**Mar01. 2202UTC [Atlas 5](#) (541) GOES-S**

**Mar01. [Soyuz ST B](#)/[Fregat-MT](#) O3b**

**Mar06. [PSLV](#) C42 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**

**Mar13. [Falcon 9](#) FT [Dragon](#) SpX-14**

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

**Mar18. [Falcon 9](#) TESS**

**Mar21. [Falcon 9](#) [Iridium Next](#) Flight 6 (x10)**

Mar?? [GSLV](#) Mk II D9 Chandrayaan 2  
Mar?? [Rokot / Briz KM](#) Sentinel 3B  
Mar?? CZ-2C Pakistani Remote Sensing Satellite (PRSS) 1  
Mar?? [Falcon 9](#) FT Bangabandhu-1  
Mar?? [Ariane 5](#) ECA (VA242) Hylas 4, Azerspace 2 (Intelsat 38)

?? [Rokot / Briz KM](#) [Geo IK 2](#)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia 140

?? Pegasus-XL ICON ([Helio EX-1](#))  
Launch site: [Kwajalein Atoll](#), USA

?? KZ-1A ??  
?? KZ-1A ??  
?? KZ-1A ??  
?? KZ-1A ??  
?? [Proton-M](#)/ DM 3 Kosmos

**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: Сергей Валерьевич **Прокопьев** (Sergei Valerevich **Prokopyev**), Jeanette J. **Epps**, Alexander **Gerst**

**Apr30. [Falcon Heavy](#) STP-02**

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



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??	<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			
??	<a href="#">Falcon 9</a>	Telstar 18	
??	<a href="#">Falcon 9</a>	Telstar 19	
<b>May01.</b>	<a href="#">Antares 230</a>	<a href="#">Cygnus Orb-9E</a>	
<b>May05.</b>	<a href="#">Atlas 5 401</a>	<b>InSight</b>	
Launch site: <a href="#">Vandenberg</a> , USA			
??	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 7 (x10)	
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M7, <a href="#">Beidou 3</a> MEO M8	120
<b>June06.</b>	<a href="#">Falcon 9</a> FT	<a href="#">Dragon SpX-15</a>	
<b>June30.</b>	<a href="#">Soyuz-2 1A</a>	<a href="#">Progress MS 9</a>	
June??	CZ	L2 Chang'e 4 communications relay satellite	
June??	<a href="#">Falcon 9</a>	<a href="#">Iridium Next</a> Flight 8 (x5), GRACE FO_1, FO_2	
June??	<a href="#">Falcon 9</a>	SAOCAM 1A	
??	<a href="#">Proton-M</a>	PTK NP	
??	<a href="#">Vega</a>	TARANIS	
??	<a href="#">Soyuz ST</a>	CSO 1	
??	<a href="#">Vega</a>	Prisma	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
??	<a href="#">Angara A5/ Briz-M</a>	Kosmos	
??	<a href="#">Ariane 5</a> ECA	Hellas-Sat-4	
??	<a href="#">Vega</a> (VV11)	Aeolus / ADM	
??	<a href="#">Ariane 5</a> ECA	GSAT-11	
??	<a href="#">Falcon 9</a>	Spaceflight SSO-A	
??	<a href="#">GSLV</a> MK III D2	GSAT-29	
<b>July31.</b>	<b>Delta 4-H</b>	<b>Parker Solar Probe</b>	
July??	<a href="#">PSLV</a>	Cartosat-3	
July??	<a href="#">Atlas 5</a> (531) (AV073)	AEHF-4	
??	Falcon H	Arabsat 6A	100
??	<a href="#">Falcon 9</a>	GPS IIIA-2	
??	<a href="#">Falcon 9</a>	PSN VI	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M9, Beidou 3 MEO M10	
??	<a href="#">Soyuz ST</a> B/Fregat-MT	OneWeb smalsat (x10)	
??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2A	
Aug??	<a href="#">Falcon 9</a> (SPx-DM2)	Dragon v2	
<b>CDR: Eric Boe, Sunita Williams</b>			
Aug??	<a href="#">Atlas 5</a> N22 (AV80)	CST-100 Starliner (unmanned test)	
Aug??	<a href="#">CZ-3C</a>	Beidou 2 I7	
Aug??	<a href="#">Delta IV</a> -M+(4,2)	GPS III-1	
Aug??	<a href="#">Falcon 9</a> FT	Telkom 4	
Aug??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-16	



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Aug??	H-2B (F7)	HTV7	
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	
<b>Sep07.</b>	<a href="#">Soyuz-2 1A</a> <a href="#">Soyuz MS 10 (S57/58)</a>		
<b>CDR:</b> Алексей Николаевич <b>Овчинин</b> (Aleksei Nikolaevich <b>Ovchinin</b> ), Николай Владимирович <b>Тихонов</b> (Nikolai Vladimirovich <b>Tikhonov</b> ), Tyler <b>Hague</b>			
<b>Sep12.</b>	<b>Delta II 7320-10C</b>	<b>ICESat-II</b>	
<b>Sep15.</b>	<b>Delta 4-H</b>	<b>NROL-71</b>	
Sep??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M15, Beidou 3 MEO M16	
??	<a href="#">Zenit 3 SL</a> / <a href="#">Fregat</a> -SB	Lybid'	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
??	<a href="#">Ariane 5</a> ECA	EDRS-C (Hylas 3)	80
??	<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)	
??	CZ-5 Y3	SJ-18 02	
<b>Oct05.</b>	<a href="#">Ariane 5</a>	<a href="#">BepiColombo</a> ESA and ISAS Mercury Orbiters	
<b>Oct11.</b>	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 10</a>	
Oct??	<a href="#">Proton-M</a> rocket to launch <b>Spektr-Rentgen-Gamma X-Ray</b> 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??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -M	MetOp-C	
Oct??	<a href="#">CZ-3C</a>	Beidou 3 G1Q	
Oct??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Elektro L - 3	
Oct??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> Orb-10E	
Oct??	<a href="#">Falcon 9</a>	<a href="#">Dragon</a> SpX-17	
??	<a href="#">Ariane 5</a> ECA	Intelsat 39	
??	<a href="#">Ariane 5</a>	Horizon 3e	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Glonass M 60	
<b>Nov07.</b>	<a href="#">Soyuz-2 1A</a> <a href="#">Soyuz MS 11 (S58/59)</a>		
<b>CDR:</b> Олэг Дмїтриевич <b>Кононенко</b> (Oleg Dmitrievich <b>Kononenko</b> ), Serena <b>Auñón-Chancellor</b> , David <b>Saint-Jaques</b>			
Nov??	<a href="#">Atlas 5</a> 422 (AV082)	CST-100 Starliner	
<b>CDR:</b> Douglas <b>Hurley</b> , Robert <b>Behnken</b>			
??	Minotaur 1	NROL 111	
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)	
??	<a href="#">Falcon 9</a>	Spaceflight GTO.C	60
??	<a href="#">Soyuz-2</a> 1A / <a href="#">Fregat</a>	Kanopus V 5, Kanopus V 6	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Glonass M 61	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Blagovest 13	



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Dec20.	<a href="#">Proton-M</a>	MLM	
Dec??	<a href="#">CZ-3B/GIII</a>	Chang'e-4 (Moon far side Aitken Basin lander/rover)	
Dec??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M17, Beidou 3 MEO M18	
Dec??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs №4	
Dec??	??	Korean Pathfinder Lunar Orbiter	
Dec??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-18	
??	<a href="#">Ariane 5</a>	Heinrich Hertz	
??	Minotaur-4	FORMOSAT-7 (6 sat)	
??	<a href="#">Delta IV</a> -M (5,4)	WGS 10	
??	<a href="#">Atlas 5</a>	AEHF 5	
??	<a href="#">Proton-M/Briz-M</a>	EutelSat 5 West B / MEV	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
??	<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="#">Proton-M/Briz-M</a>	Anik G2V	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> M	Meridian 18L	40
??	<a href="#">Soyuz-2</a> 1A	Bars-M 3	
??	<a href="#">Soyuz-2</a> 1A	Energiya-100	
??	<a href="#">Soyuz-2</a> -1B	Obzor R -1	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 15	
??	<a href="#">Angara</a> 1.2	Kosmos	
??	<a href="#">Ariane 5</a> ES <a href="#">Galileo-FOC</a> FM22 (Ellen)	<a href="#">Galileo-FOC</a> FM19 (Tara), <a href="#">Galileo-FOC</a> FM20 (Samuel), <a href="#">Galileo-FOC</a> FM21 (Anna),	
??	<a href="#">Vega</a>	MN35-13 B <a href="#">Morocco EO Sat 1 2</a>	
??	<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-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	
??	CZ-2	CAS-2A1, CAS-2A2	
??	<a href="#">CZ-3B/E</a>	SupremeSAT-II	20
??	<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	



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?? 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  
 ?? ?? LJ-1 Luojia-1  
 ?? CZ Huaizong-1  
 ?? LS-1 LandSpace-1

?? [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

30  
 183

## 2019.

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

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

Mar?? [Vega](#) Seosat (Ingenio) 80



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Mar??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2B , Cheollian 2B
??	<a href="#">Soyuz ST B/Fregat</a> -MT	OneWeb smalsat (x32)
??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass K2 / 13
Apr??	??	GOES-T
Apr??	<a href="#">CZ-3B/E</a>	Nicasat 1
Apr??	<a href="#">CZ-3C</a>	Beidou 3 I2Q
??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vechile)
May??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-19
May??	<a href="#">Atlas 5</a> 402	CST 100 Starliner (USCV-2) with 2 astronauts
May??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 12
June??	<a href="#">Atlas 5</a> 551	STP-03
June??	<a href="#">Ariane 5</a>	MTG-I1
June??	<a href="#">Ariane 5</a> ES	JWST (James Webb Space Telescope)
??	<a href="#">PSLV</a>	RISAT 1A
??	<a href="#">CZ-3B/G2</a>	TECSTAR 1
??	<a href="#">Vega</a>	Cosmo-SkyMed Secon Gen 1 CSG-1
??	<a href="#">Ariane 5</a>	Inmarsat-5 F5
July??	<a href="#">CZ-3C</a>	Beidou 3 I3Q
Aug??	<a href="#">Soyuz ST B/Fregat</a> -MT	EarthCare
Aug??	<a href="#">CZ-2C</a>	CFOSAT (China-France Oceanography SATellite) 60
<b>Sep30.</b>	<b><a href="#">Soyuz-2 1A</a> <a href="#">Soyuz MS 13 (S60/61)</a></b>	
	CDR: ??, Luca <b>Parmitano</b> (ESA) , Anne <b>McClain</b> (NASA)	
Oct??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M19, Beidou 3 MEO M20
Oct??	<a href="#">Soyuz-2 1B /Fregat</a> -M	<a href="#">Gonets</a> x 3 (No 27,28,29)
Oct??	<a href="#">Soyuz-2 1B /Fregat</a> -M	Resurs N°5
Oct??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-20
Oct??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-1
Oct??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 13
<b>Nov14.</b>	<b><a href="#">Soyuz-2 1B</a></b>	<b>Progress M-UM</b>
<b>Nov29.</b>	<b><a href="#">Soyuz-2 1a / Fregat</a></b>	<b>Luna 25 (Luna-Glob-1)</b>
??	<a href="#">Soyuz-2-1B/Fregat</a> -M	Glonass K2 / 14
??	<a href="#">Proton-M/Briz-M</a>	Blagovest 14
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
??	Falcon H	Circumlunar Dragon V2
??	<a href="#">Atlas 5</a> 551	AFSPC-7 (X-37B OTV 6)
??	<a href="#">Falcon 9</a> v1.1	Astrium active SARah satellite
??	<a href="#">Falcon 9</a>	GPS IIIA-6





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??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-7	
??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-8	40
??	<a href="#">Delta IV</a> -M+(4,2)/ <a href="#">Atlas 5</a> 421	GPS IIIA-9/GPS IIIB-1	
??	<a href="#">Delta IV</a> -M+(4,2)/ <a href="#">Atlas 5</a> 421	GPS IIIA-10/GPS IIIB-2	
??	<a href="#">Atlas 5</a> 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	<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> / <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="#">Soyuz-2-1A</a> / <a href="#">Fregat</a> -M	Kondor-FKA n.º 1	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Arktika M 2	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	SkyTerra 2	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Luch 5M	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Yenisey A1	20
??	<a href="#">Proton-M</a> / DM-03	<a href="#">Glonass-M</a> /	56,57,58
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 16	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 17	
??	<a href="#">Proton-M</a> / DM-03	<a href="#">Glonass-M</a> /K18,K19,K20	
??	<a href="#">Proton-M</a> / DM-03	<a href="#">Glonass-M</a> /K21,K22,K23	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Ямал-501	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	EutelSat	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	IntelSat	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> M	Meridian 19L	
??	<a href="#">Soyuz-2-</a>	Razdan 1	
??	CZ-5	Chang'e-5 (Sample return)	
??	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	
??	<a href="#">GSLV</a> MK II F11	GSAT-10A	
Launch site: <a href="#">Satish Dhawan Space Centre</a> , Sriharikota, India			
??	<a href="#">PSLV</a> XL	<a href="#">Aditya'</a>	
??	<a href="#">PSLV</a>	ScatSat, NovaSAR	



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91

## 2020.

Jan??	<a href="#">Falcon 9</a> v1.1	USCV-3 (US Commercial Vehicles)
<b>Mar30.</b>	<b>Soyuz 2-1A</b>	<b><a href="#">Soyuz MS 14 (S61/62)</a></b>
Mar??	<a href="#">Delta IV-M</a>	DMSP-5D3 F20
Mar??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K1 / 22
??	CZ-5	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)	
??	CZ-5B	Wentian Lab module    Space station module
??	CZ-2F/G	SZ-12 Shenzhou-12
??	<a href="#">CZ-3B/G2</a>	ZX-18 Zhongxing-18
<b>June??</b>	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
??	<a href="#">Soyuz ST B/Fregat-MT</a>	MetOp-SG A1/EPS-SG-a/Sentinel-5A
<b>July16</b>	<b>Ariane 62</b>	<b>Galileo-FOC FM23, Galileo-FOC FM24</b>
<b>July24.</b>	<b><a href="#">Proton-M/Briz-M</a></b>	<b>ExoMars (CM+DM)</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="#">Atlas 5</a> (541)	<a href="#">Mars 2020 rover</a> 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??	<a href="#">CZ-3C</a>	Beidou 3 G2Q
??	CZ 5	<a href="#">Mars probe</a> (orbiter + lander + rover)
<b>Sep30.</b>	<b>Soyuz 2-1A</b>	<b><a href="#">Soyuz MS 15 (S62/63)</a></b>
	<b>Soichi Noguchi</b>	
Sep??	CZ	CBERS-6
Sep??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 15
??	CZ-2F/G	SZ-13 Shenzhou-13
??	Vega	Proba 3
Dec??	<a href="#">Soyuz ST B/Fregat</a> MT	Euclid



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Euclid will depart Earth on a Soyuz rocket launched from French Guiana and head for the L2 Lagrange point.

## Dec15. [Atlas 5](#) [Landsat 9](#)

?? GSVL-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-21
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-22
??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> OA-12
??	Falcon H	ViaSat 3
??	<a href="#">Proton-M</a>	HƏM-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>	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>	Arktika M 3
??	<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
??	??	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</a>	1N
??	<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</a> 17
<b>Mar30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 16
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</a> 18
??	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</a> 17
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)
??	<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</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/Fregat</a> -M	Resurs PM - 2



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?? [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](#) Ekspres-RV1, Ekspres-RV2  
 ?? [Proton-M/Briz-M](#) Ekspres 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 4-25 - Europa Clipper (Orbiter) - ~~EELV Heavy~~ SLS Block IB - ~~Canaveral~~ Kennedy LC-39B (or [January 1-17, 2023](#) 2025)

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](#)

Aug?? H2B Phobos sample return

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

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

?? Sunkar Federatsia (unmaned)



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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-M</a>	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-M</a>	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

## 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



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??	<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?? [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



## Blog Gorana Hudeca

??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)
??	<a href="#">Soyuz-2</a> -1A	<a href="#">Soyuz MS</a> 24
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 29
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	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</a> -1B/ <a href="#">Fregat</a> -M	Arktika M 5
??	<a href="#">Soyuz-2</a> -1B	Obzor O -2
??	<a href="#">Soyuz-2</a> -1b	Bion-M No. 3
??	<a href="#">Angara</a> A%/DM-03	Elektro M -1
??	CZ	Chang'e-7 (Moon south pole landing)

### 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> A5P/DM03	Bumerang (FobosGrunt 2)