



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (19.01.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **19.Jan.2018.**

**Jan19. 0052UTC** [Atlas 5 401 \(AV076\)](#) [SBIRS-GEO 4](#)  
Launch site: [Cape Canaveral](#), USA

**Jan19.** [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 180

**Jan20. 0130UTC** [Electron](#) [Still Testing](#)  
Launch site: [Kaitorete Spit](#), New Zeland

**Jan25. 2220UTC** [Ariane 5 ECA \(VA241\)](#) [Al Yah 3 / SES 14 GOLD](#)  
Launch site: [Kourou](#), French Guiana

**Jan25.** [Falcon H](#) **Demo Flight**  
Launch site: [Cape Canaveral](#), USA

**Jan26.** [CZ-2C](#) YG-30 - 4 [Yaogan Weixing 30 - 4](#)  
Launch site: [Xichang](#), China

**Jan30. 2123UTC** [Falcon 9](#) [SES-16](#)  
Launch site: [Cape Canaveral](#), USA

**Jan31. 0330UTC** [SS-520-4](#) [Tricom-1R](#)  
Launch site: [Tanegashima](#), Japan

**Feb01. 0207UTC** [Soyuz-2 1A / Fregat Kanopus V 3, Kanopus V 4](#)  
Launch site: [Восточный \(Vostochniy\)](#) Cosmodrome, Russia

**Feb02.** [CZ-2D](#) ZH-1 Zengheng 1 ([ESEM experimental satellite on Electromagnetism Monitoring](#)), [Ministar-1](#), [Fengmaniu-1](#), GomX-4B, GomX-4A

**Feb10. 1422UTC** [Falcon 9 FT](#) [PAZ](#)  
Launch site: [Vandenberg](#), USA

**Feb11. 0858UTC** [Soyuz-2 1A](#) [Progress MS 8](#)  
Launch site: [Байконур \(Baikonur\)](#) Cosmodrome, Kazakhstan

**Feb14.** [Falcon 9](#) **Hispasat 30W-6 (1F)**  
Launch site: [Cape Canaveral](#), USA

**Feb15.** [CZ-3B/YZ-1](#) [Beidou 3 MEO M5, Beidou 3 MEO M6](#)  
Launch site: [Xichang](#), China

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

**Feb25. 0400UTC** [H-2A](#) [IGS Optical-6](#)  
Launch site: [Tanegashima](#), Japan



# Blog Gorana Hudeca

**Feb28. 1528UTC Pegasus-XL ICON ([Helio EX-1](#))**

Launch site: [Kwajalein Atoll](#), USA

**Feb28. [Soyuz-2-1V](#) Kosmos EMKA**

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

**Feb?? [CZ-2D](#) LKW-4 ([LudiKancha Weixing 4](#))**

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

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

**Mar01. [Soyuz ST B/Fregat-MT \(VS18\)](#) O3b**

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

**Mar15. [Soyuz-2 1A](#) [Soyuz MS 8 \(S55/56\)](#)**

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

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 160

**Mar15. [CZ-3B/G2](#) APStar-6C**

**Mar15. [Proton-M/Briz-M](#) Blagovest 12**

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

**Mar16. [Ariane 5 ECA \(VA242\)](#) Hylas 4, DSN 1 ([Superbird-8](#))**

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

**??Mar20. [Falcon 9](#) TESS**

Mar?? [CZ-2C](#) Pakistani Remote Sensing Satellite (PRSS) 1

Mar?? [Falcon 9](#) FT Bangabandhu-1

Mar?? LS-1 LandSpace-1 (China)

Mar?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 16

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

?? [Falcon 9](#) FT [Iridium Next](#) Flight 5 (x10)

Launch site: [Vandenberg](#), USA

?? KZ-1A ??

?? KZ-1A ??

?? KZ-1A ??

?? KZ-1A ??

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

?? [PSLV](#) XL (C41) IRNSS I

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

**Apr06. [Rokot / Briz KM](#) Sentinel 3B**

**Apr12. [Atlas 5](#) 551 (AV81) AFSPC-11 140**

**Apr14. [Falcon 9](#) [Iridium Next](#) Flight 6 (x5), GRACE FO\_1, FO\_2**

Launch site: [Vandenberg](#), USA

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

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



# Blog Gorana Hudeca

**Apr??** [Ariane 5](#) ECA (VA243) GSAT-11, Azerspace 2 (Intelsat 38)  
Launch site: [Kourou](#), French Guiana

Apr?? [H-2A](#) GOSAT-2  
Apr?? [CZ-4B](#) GF-5 Gaofen-5  
Apr?? [Soyuz-2-1B/Fregat](#) Glonass K2

?? [Falcon 9](#) Telstar 18  
?? [Falcon 9](#) Telstar 19

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

**May01.** [Vega \(VV12\)](#) **Aeolus / ADM**

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

May?? [Falcon 9](#) GPS III-1  
May?? [Soyuz-2-1B/ Fregat-M](#) Glonass M

?? [Falcon 9](#) FT [Iridium Next](#) Flight 7 (x10)  
?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M7, [Beidou 3](#) MEO M8  
?? [CZ-3B/E](#) SupremeSAT-II  
?? [Falcon 9](#) Spaceflight SSO-A  
?? [Falcon 9](#) FT Telkom 4

**June06.** [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)  
**CDR:** Сергей Валерьевич **Прокопьев** (Sergei Valerevich **Prokopyev**), Jeanette J. **Epps**, Alexander **Gerst**  
**120**

**June09.** [Falcon 9](#) FT [Dragon SpX-15](#)

**June30.** [Falcon 9](#) **SAOCAM-1A, ITASAT-1**

June?? [Rokot / Briz KM](#) [Gonets](#) x 3 (No 24,25,26), Blits-M  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

June?? [Rokot / Briz KMGeo IK 2](#)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

June?? [CZ-3B/G2](#) L2 Chang'e 4 communications relay satellite  
June?? ?? Tianzhi-1  
June?? CZ-7 New generation manned spacecraft  
June?? [Soyuz-2 1B /Fregat-M](#) Glonass K1

?? [Vega](#) TARANIS  
?? [Vega](#) Prisma  
?? [GSLV](#) MK III D2 GSAT-29  
?? KZ-11 Xiaoxiang-4  
?? [Falcon 9](#) FT Es'hail 2  
?? [Falcon Heavy](#) STP-02

**July10.** [Soyuz-2 1A](#) [Progress MS 9](#)

**July31.** **Delta 4-H** **Parker Solar Probe**



# Blog Gorana Hudeca

July??	<a href="#">PSLV</a>	Cartosat-3	
July??	<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)		
July??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	<a href="#">Glonass-M</a>	
July??	<a href="#">Soyuz-2</a> 1A	Bars-M 3	
??	<a href="#">Falcon H</a>	Arabsat 6A	100
??	<a href="#">Falcon 9</a>	PSN VI	
??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M9, Beidou 3 MEO M10	
??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2A	
??	<a href="#">Falcon 9</a>	<a href="#">Iridium Next</a> Flight 8 (x10)	
<b>Aug16.</b>	<b>H-2B (F7)</b>	<b>HTV7</b>	
<b>Aug19.</b>	<a href="#">Soyuz ST B</a> / <a href="#">Fregat</a> -MT	<b>OneWeb smalsat (x32)</b>	
<b>Aug27.</b>	<a href="#">Atlas 5</a> N22 (AV80)	<b>CST-100 Starliner (unmanned test)</b>	
<b>Aug27.</b>	<a href="#">Falcon 9</a> (SPx-DM1)	<b>Dragon v2 unmanned test</b>	
Aug??	<a href="#">CZ-3C</a>	Beidou 2 I7	
Aug??	<a href="#">CZ-2C</a>	CFOSAT (China-France Oceanography SATellite)	
Aug??	<a href="#">CZ-11</a>	OKW-2	
Aug??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass M	
Aug??	<a href="#">Soyuz-2</a> 1A	Energiya-100	
Aug??	<a href="#">Proton-M</a> / DM-03	<a href="#">Glonass-M</a>	
<b>Sep12.</b>	<b>Delta II 7320-10C</b>	<b>ICESat-II</b>	
<b>Sep14.</b>	<a href="#">Soyuz-2</a> 1A <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>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	
Sep??	<a href="#">Proton-M</a> / DM-03	<a href="#">Glonass K</a>	
Sep??	<a href="#">Soyuz-2</a> -1B	Arktika	80
??	<a href="#">Ariane 5</a> ECA	EDRS-C (Hylas 3)	
??	<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	
??	<a href="#">Ariane 5</a> ECA	Hellas-Sat-4	
<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>	
<b>Oct18.</b>	<a href="#">Atlas 5</a> (531) (AV073)	<b>AEHF-4</b>	
Oct??	<a href="#">CZ-3C</a>	Beidou 3 G1Q	
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass M	
Oct??	<a href="#">Soyuz-2</a> 1A / <a href="#">Fregat</a>	Kanopus V 5, Kanopus V 6	



# Blog Gorana Hudeca

??	<a href="#">Ariane 5</a> ECA	Intelsat 39	
??	<a href="#">Ariane 5</a>	Horizon 3e	
<b>Nov01.</b>	<b><a href="#">Delta IV-M (5,4)</a></b>	<b>WGS 10</b>	
<b>Nov08.</b>	<b><a href="#">Antares 230</a></b>	<b><a href="#">Cygnum Orb-10E</a></b>	
<b>Nov15.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Soyuz MS 11 (S58/59)</a></b>	
<b>CDR:</b>	Олэг Дмíтриевич Кононѐнко (Oleg Dmitrievich Kononenko), Serena <b>Auñón-Chancellor</b> , David <b>Saint-Jaques</b>		
<b>Nov16.</b>	<b><a href="#">Falcon 9 FT</a></b>	<b><a href="#">Dragon SpX-16</a></b>	
Nov??	<a href="#">Atlas 5</a> 422 (AV082)	CST-100 Starliner	
<b>CDR:</b>	Douglas <b>Hurley</b> , Robert <b>Behnken</b>		
Nov??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs N°4	<b>60</b>
Nov??	<a href="#">Soyuz-2-1B/Fregat</a> -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	
Nov??	<a href="#">Soyuz-2-1B/Fregat</a> -M	Kondor-FKA n.º 1	
Nov??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	
??	<a href="#">Epsilon</a> (4)	Inovative Technology Demonstration Satellite – 1, OrigamiSat-1	
Launch site: <a href="#">Tanegashima</a> , Japan			
??	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	
<b>Dec20.</b>	<b><a href="#">Proton-M</a></b>	<b>MLM</b>	
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??	??	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> -M	MetOp-C	
Dec??	<a href="#">Proton-M/Briz-M</a>	Elektro L – 3	
Dec??	<a href="#">Proton-M/Briz-M</a>	EutelSat 5 West B / MEV	
Dec??	<a href="#">Proton-M/Briz-M</a>	Ямал-601	
Dec??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x10)	
Dec??	<a href="#">Soyuz-2-1B/ Fregat</a> -M	Glonass K	
Dec??	<a href="#">Soyuz-2-1B/ Fregat</a> -M	Glonass K2	<b>40</b>
??	<a href="#">Ariane 5</a>	Heinrich Hertz	
??	Minotaur-4	FORMOSAT-7 (6 sat)	
??	<a href="#">Atlas 5</a>	AEHF 5	
??	<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	



# Blog Gorana Hudeca

??	??	VeneSat-2	
??	<a href="#">CZ-3B/E</a>	CC-1 <a href="#">Changcheng-1</a>	
??	CZ	CBERS-SAR 1	
??	CZ	Deep Space Solar Observatory	
??	CZ	CBERS-4B	
??	CZ-2	CAS-2A1, CAS-2A2	
??	<a href="#">CZ-3B/E</a>	CongoSat 1	
??	??	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		20
??	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-3C</a>	<a href="#">Beidou 3</a> G8	
??	CZ	Orbita-1 1	
??	??	LJ-1 Luojia-1	
??	CZ	Huaizong-1	
??	<a href="#">CZ-3B/YZ-1</a>	ZX-6C Zhongxing-6C	
??	<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	
??	CZ	YG-32 <a href="#">Yaogan Weixing</a> 32	
??	<a href="#">GSLV</a> MK II	F12	GSAT-7A
??	<a href="#">GSLV</a> MK II	F10	GISAT
??	<a href="#">PSLV</a>		EnMap
??	<a href="#">Simorgh</a>	<a href="#">Dosti</a>	
Launch site:	<a href="#">Semnan</a> , Iran		
??	<a href="#">Safir 1 B</a>	Tadbir	
??	Safir 3A	Pars sepher	
??	<a href="#">Unha-3</a>	Kwangmyŏngsŏng-5	
??	Tronador II/VEX5	TBD (suborbital)	
Launch site:	Puerto Belgrano, Argentina		

1 + 28  
7 + 181

2019.



# Blog Gorana Hudeca

??	<a href="#">Falcon 9</a>	GiSat-1	
??	<a href="#">Falcon 9</a> (SPx-DM2)	Dragon v2	
<b>CDR: Eric Boe, Sunita Williams</b>			
<b>Feb01.</b>	<a href="#">Falcon 9</a>	<a href="#">Dragon SpX-17</a>	
<b>Feb06.</b>	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 11</a>	100
Feb??	<a href="#">CZ-3C</a>	Beidou 3 I1Q	
Feb??	<a href="#">Atlas 5</a>	<a href="#">Solar Orbiter</a> (Solo) (ESA)	
Feb??	<a href="#">Atlas 5</a> 551 (AV-086)	AEHF-6	
Feb??	<a href="#">Delta IV</a>	GPS IIIA-2	
??	<a href="#">Soyuz-2-1B</a>	Arktika M 1	
Launch site: Восточный (Vostochniy), Cosmodrome, Russia			
<b>Mar07.</b>	<a href="#">Soyuz-2 1A</a>	<a href="#">Soyuz MS 12 (S59/60)</a>	
CDR: Олѐг Ива́нович <b>Скри́почка</b> , (Oleg Ivanovich <b>Skripotscka</b> ), Андрей Никола́евич <b>Ба́бкин</b> (Andrei Nikolaevich <b>Babkin</b> ), Shannon <b>Walker</b>			
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??	<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.	
Apr??	??	GOES-T	
Apr??	<a href="#">CZ-3B/E</a>	Nicasat 1	
Apr??	<a href="#">CZ-3C</a>	Beidou 3 I2Q	
Apr??	<a href="#">Atlas 5</a> 531	<a href="#">Cygnus</a> OA-11	
??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vechile)	
??	<a href="#">Falcon 9</a>	Dragon v2 (USCV-1) with 2 astronauts	
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 12</a>	
May??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-18	80
June??	<a href="#">Atlas 5</a> 551	STP-03	
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
??	SSLV	??	
July??	<a href="#">CZ-3C</a>	Beidou 3 I3Q	
July??	H-2B (F9)	HTV8	
??	<a href="#">Ariane 5</a>	Inmarsat-5 F5	



# Blog Gorana Hudeca

??	<a href="#">Falcon 9</a>	GPS IIIA-3	
Aug??	<a href="#">Soyuz ST B/Fregat</a> -MT	EarthCare	
<b>Sep30.</b>	<a href="#">Soyuz-2 1A</a> <a href="#">Soyuz MS 13 (S60/61)</a>		
CDR: Александр Александрович <b>Скворцов</b> (Aleksandr Aleksandrovich <b>Skvortsov</b> ), 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 №5	
Oct??	<a href="#">Atlas 5 552</a>	Dream Chaser Cargo System SNC-1	
Oct??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 13</a>	
Oct??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-19	
<b>Nov14.</b>	<a href="#">Soyuz-2 1B</a>	<b>Progress M-UM</b>	
<b>Nov29.</b>	<a href="#">Soyuz-2 1a / Fregat</a>	<b>Luna 25 (Luna-Glob-1)</b>	60
Nov??	<a href="#">Falcon 9</a>	USCV-3 (US Commercial Vehicles)	
??	<a href="#">Soyuz-2-1B/Fregat</a> -M	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	
??	<a href="#">Falcon H</a>	Circumlunar Dragon V2	
??	<a href="#">Atlas 5 551</a>	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)	
??	??	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 / Vega</a>	MicroCarb	
??	<a href="#">Soyuz ST B/Fregat</a> -MT	Sentinel-1C	40
??	<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="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/</a> 56,57,58	
??	<a href="#">Soyuz-2 1B /Fregat</a> -M	Glonass K1 / 17	
??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/K18,K19,K20</a>	





# Blog Gorana Hudeca

??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass-M/</a> K21,K22,K23	
??	<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</a> M	Meridian 19L	
??	<a href="#">Soyuz-2-</a>	Razdan 1	
??	<a href="#">Angara</a> A5/ <a href="#">Briz-M</a>	Kosmos	
??	<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>	EgyptSat 3	20
??	<a href="#">Proton-M/Briz-M</a>	Anik G2V	
??	<a href="#">Proton-M</a>	PTK NP	
??	<a href="#">Soyuz-2-1B/Fregat</a> M	Meridian 18L	
??	<a href="#">Soyuz-2-1B</a>	Obzor R -1	
??	<a href="#">Soyuz-2-1B</a>	Pion	
??	<a href="#">Soyuz ST</a>	CSO 1	
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)	
??	<a href="#">Zenit 3 SL</a> / <a href="#">Fregat</a> -SB	Lybid'	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
??	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	
??	??	Hainan-1 (1)	
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	
??	<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	

103

2020.



# Blog Gorana Hudeca

Jan??	<a href="#">Falcon 9</a>	<a href="#">Dragon</a> SpX-20
Feb??	H-2B (F10)	HTV9
Feb??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-21
<b>Mar30.</b>	<b>Soyuz 2-1A</b>	<b><a href="#">Soyuz MS 14 (S61/62)</a></b>
Soichi <b>Noguchi</b>		
Mar??	<a href="#">Delta IV</a> -M	DMSP-5D3 F20
Mar??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K1 / 22
??	CZ-5	Tian He Space Station Core Module
Apr??	<a href="#">CZ-3B</a> /YZ-1	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
May??	<a href="#">Atlas 5</a> 402	USCV-4 (US Commercial Vehicles)
??	<a href="#">CZ-3B</a> / <a href="#">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
<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)
??	Vega-C	Pleiades Neo 1, Pleiades Neo 2
<b>Sep30.</b>	<b>Soyuz 2-1A</b>	<b><a href="#">Soyuz MS 15 (S62/63)</a></b>
Sep??	CZ	CBERS-6
Sep??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2 / 15
??	CZ-2F/G	SZ-13 Shenzhou-13
??	<a href="#">Falcon 9</a>	GPS IIIA-5
Oct??	Vega	Proba 3



# Blog Gorana Hudeca

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

**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 [Cygnum](#) OA-12

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

?? [Proton-M](#) HЭM-1

?? [Soyuz-2](#) [Progress MS](#) 14  
 ?? [Soyuz-2](#) [Progress MS](#) 15  
 ?? [Soyuz-2](#) [Progress MS](#) 16

?? [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

?? [Proton-M/Briz-M](#) AOneSat-1  
 ?? [Proton-M/Briz-M](#) Terrestar-2  
 ?? [Proton-M/Briz-M](#) SkyTerra 2

?? [Soyuz-2-1A/Fregat](#) Resonance 1A, Resonance 1B  
 RESONANCE is a project to study Earth's magnetosphere consisting of four similar satellites.

?? [Soyuz-2-1B](#) Lotos S1  
 ?? [Soyuz-2-1B](#) Persona  
 ?? [Soyuz-2-1A](#) Kobalt M  
 ?? [Soyuz-2-1A](#) Foton M

?? ?? Zond  
 ?? ?? MKA PN6 (Monika)  
 ?? ?? Картограф-0Э N°1

?? [Vega](#) Sentinel-2C  
 ?? [Vega](#) Sentinel-3C



# Blog Gorana Hudeca

??	??	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/</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
??	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
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</a> 17
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



# Blog Gorana Hudeca

??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-2
??	SLS Block I	Europa Clipper
??	<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/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="#">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-2-1B/Fregat-M</a>	Smotr R №1
??	<a href="#">Proton-M/Briz-M</a>	IntelSat
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	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](#) 18

?? CZ7 TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)  
 ?? CZ-5B Xuntian Lab module Space station module  
 ?? CZ-2F/G SZ-15 Shenzhou-15

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

**June04.** **SLS Block I Orion: Exploration Mission 2 (Crew to Cislunar) Mission)**

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



# Blog Gorana Hudeca

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 19</a></b>
Sep??	<a href="#">Soyuz ST B</a> / <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
??	Ariane 5	ATHENA
??	CZ	HY-3C Haiyang-3C
<b>2023.</b>		
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 23</a>
<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
May??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-10 (US Commercial Vehicles)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 24</a>
<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 25</a>



# Blog Gorana Hudeca

Nov??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-11 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
??	Sunkar Federatsia (unmanned flight to ISS)	
??	A Russian <a href="#">Proton/Briz-M</a> (or Angara) rocket to launch the <a href="#">Laplas-P</a> 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="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-5
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 3
??	<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)

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-12 (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



# Blog Gorana Hudeca

??	<a href="#">Proton-M</a> / DM-03	Spektr - UF
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 4
??	<a href="#">Angara 1.2</a>	<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)

## 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
??	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)

## 2069.

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