



## Blog Gorana Hudeca

### Predstojeća lansiranja u Svemir (30.10.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 30.Oct.2017.

- Oct30. 1934UTC** [Falcon 9 FT](#) [KoreaSat 5A](#)  
Launch site: [Cape Canaveral](#), USA
- Oct31. 2137UTC** [Minotaur-C XL](#) [SkySat 8/9/10/11/12](#)  
Launch site: [Vandenberg](#), USA
- Nov05.** [CZ-3B/YZ-1](#) [Beidou 3 M1& M2](#)  
Launch site: [Xichang](#), China
- Nov08. 0142UTC** [Vega \(VV11\)](#) [MN35-13 \(Morocco EO Sat 1\)](#)  
Launch site: [Kourou](#), French Guiana
- Nov10. 0947UTC** [Delta II 7920-10C](#) [JPSS-1](#)  
Launch site: [Vandenberg](#), USA
- Nov11. 1237UTC** [Antares 230](#) [Cygnum Orb-8](#)  
Launch site: [Wallops Island](#), USA
- Nov15.** [CZ-4C](#) [FY-3 Fengyun-3 D](#)  
Launch site: [Jiuquan](#), China
- Nov16. 0100UTC** [Falcon 9 FT](#) [Mission 1390 - Zuma \(no info about!!\)](#)  
Launch site: [Cape Canaveral](#), USA
- Nov21. CZ-6** [HY-3A Haiyang-3A](#)  
Launch site: [Taiyuan](#), China
- Nov28.** [Soyuz-2-1B/Fregat-M](#) [Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2](#)  
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia 30
- Nov?? CZ-11 [Jilin\(x2\), Fengtai Shaonian 02](#)
- Dec04. 1952UTC** [Falcon 9 FT](#) [Dragon SpX-13](#)  
Launch site: [Cape Canaveral](#), USA
- Dec07. Zenit 3-SLB / DM-SLB** [AngoSat](#)  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Dec08. 1528UTC** [Pegasus-XL](#) [ICON \(Helio EX-1\)](#)
- Dec12.** [Ariane 5 ES \(VA240\)](#) [Galileo-FOC FM15 \(Nicole\), Galileo-FOC FM16 \(Zofia\), Galileo-FOC FM17 \(Alexandre\), Galileo-FOC FM18 \(Irina\)](#)  
Launch site: [Kourou](#), French Guiana
- Dec13.** [Delta IV-M+\(5,2\)](#) [NROL-47 \(Topaz 5\)](#)  
Launch site: [Vandenberg](#), USA



# Blog Gorana Hudeca

**Dec16.**      [PSLV XL \(C40\)](#)

[CartoSat 2E](#)

**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 Канopus V 3, Канopus V 4](#)

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

**Dec23. 0126UTC**      [H-2A \(F37\)](#)

**GCOM-C**

Launch site: [Tanegashima, Japan](#)

20

**Dec23. 0126UTC**      [Falcon 9](#)

[Iridium Next Flight 4 \(x10\)](#)

Launch site: [Vandenberg, USA](#)

Dec??      [Electron](#)      [Still Testing](#)

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

Dec??      [CZ-2D](#)

GJ-3 GaoJing-3, GJ-4 GaoJing-4

Dec??      Falcon H

Demo Flight

Dec??      [GSLV Mk II F8](#)

GSAT 6A

Dec??      [Falcon 9](#)

Hispasat 30W-6 (1F)

??      [Soyuz-2-1V](#)

??

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

??      [CZ-11](#)

TY-2, 3, 4, 5 [Tianyi](#)

Launch site: [Jiuquan, China](#)

??      CZ-6

Jilin-1-04 (Lingqiao 1-04), Jilin-1-05 (Lingqiao 1-05), Jilin-1-06 (Lingqiao 1-06), Jilin-

1-07 (Lingqiao 1-07)

??      CZ-2

CAS-2A1, CAS-2A2

10

??      CZ      YG-32 Yaogan Weixing 31

??      CZ      YG-32 Yaogan Weixing 32

??      CZ      Orbita-1 1

??      ??      LJ-1 Luojia-1

??      CZ      Huaizong-1

??      [CZ-3B/E](#)      Alcomsat-1

??      LS-1      LandSpace-1

??      ??      CX-5 Chuangxin-5

??      [Simorgh](#)

[Dosti](#)

Launch site: [Semnan, Iran](#)

15 + (6)

69 + (39)

**2018.**

**Jan10.**      [Zenit 3 SL / Fregat-SB](#)

**Lybid'**

**Jan18.**      [Atlas 5 401 \(AV076\)](#)

**SBIRS-GEO 4**

**Jan24.**      [Ariane 5 ECA \(VA241\)](#)

**Al Yah 3 / SES 14 GOLD**



# Blog Gorana Hudeca

<b>Jan30.</b>	<b><a href="#">Falcon 9</a> FT</b>	<b>PAZ</b>
Jan??	<a href="#">Proton-M/Briz-M</a>	Blagovest 12
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan		
Jan??	<a href="#">Falcon 9</a>	SES-16
??	<a href="#">CZ-3B/YZ-1</a>	ZX-6C Zhongxing-6C
Launch site: <a href="#">Xichang</a> , China		
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Glonass-M/</a> 52
??	<a href="#">PSLV</a>	ScatSat, NovaSAR
??	<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</a> FT	Es'hail 2
<b>Feb01.</b>	<b><a href="#">CZ-2D</a></b>	<b>ZH-1 Zengheng 1 (<a href="#">ESEM experimental satellite on Electromagnetism Monitoring</a>), <a href="#">Ministar-1</a>, <a href="#">Fengmaniu-1</a></b>
		<b>160</b>
<b>Feb09.</b>	<b><a href="#">Falcon 9</a> FT</b>	<b><a href="#">Dragon</a> SpX-14</b>
<b>Feb13.</b>	<b><a href="#">Soyuz-2</a> 1A</b>	<b><a href="#">Progress</a> MS 8</b>
<b>Feb20.</b>	<b>CZ</b>	<b>Taurus-1</b>
Feb??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M9, Beidou 3 MEO M10
Feb??	<a href="#">Falcon 9</a> FT	Bangabandhu-1
Feb??	<a href="#">Falcon 9</a> FT	SES-12
??	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 5 (x10)
Launch site: <a href="#">Vandenberg</a> , USA		
??	Epsilon (3)	ASNARO 2
Launch site: <a href="#">Tanegashima</a> , Japan		
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	O3b
??	<a href="#">Soyuz-2-1B</a>	Pion
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M3, <a href="#">Beidou 3</a> MEO M4
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M5, <a href="#">Beidou 3</a> MEO M6
??	<a href="#">H-2A</a>	<a href="#">IGS Optical-6</a>
<b>Mar01.</b>	<b><a href="#">Atlas 5</a> (541)</b>	<b>GOES-S</b>
<b>Mar01.</b>	<b><a href="#">Ariane 5</a> ECA (VA242)</b>	<b>Hylas 4, Azerspace 2 (Intelsat 38)</b>
<b>Mar06.</b>	<b><a href="#">PSLV</a> C41</b>	<b>Team Indus Lunar Lander/ Rover, Team Hakuto Rover</b>
<b>Mar10.</b>	<b><a href="#">Soyuz-2</a> 1A <a href="#">Soyuz MS 8</a> (S55/56)</b>	
CDR: Олег Германович <b>Артемьев</b> (Oleg G. <b>Artemyev</b> ), Andrew J. <b>Feustel</b> , Ricky R. <b>Arnold</b>		
<b>Mar15.</b>	<b><a href="#">CZ-3B/GII</a></b>	<b>APStar-6C</b>
<b>Mar18.</b>	<b><a href="#">Falcon 9</a></b>	<b>TESS</b>



# Blog Gorana Hudeca

<b>Mar21.</b>	<a href="#">Falcon 9</a>	<a href="#">Iridium Next Flight 6 (x10)</a>	<b>140</b>
Mar??	<a href="#">GSLV</a> Mk II D9	Chandrayaan 2	
Mar??	<a href="#">Rokot / Briz KM</a>	Sentinel 3B	
Mar??	CZ-2C	Pakistani Remote Sensing Satellite (PRSS) 1	
??	<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="#">Rokot / Briz KM</a>	<a href="#">Geo IK 2</a>	
Launch site: Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia			
??	<a href="#">GSLV</a> MK III	D2	GSAT-20
??	KZ-1A		??
??	KZ-1A		??
??	KZ-1A		??
??	KZ-1A		??
??	<a href="#">Proton-M/</a>	DM 3	Kosmos
??	SS-520-4		Tricom-1R
<b>Apr01.</b>	<a href="#">Falcon 9 (SPx-DM1)</a>	<b>Dragon v2 unmanned test</b>	
<b>Apr18.</b>	<a href="#">Atlas 5 551 (AV81)</a>	<b>AFSPC-11</b>	
<b>Apr25.</b>	<a href="#">Soyuz-2 1A</a>	<a href="#">Soyuz MS 9 (S56/57)</a>	
<b>CDR: Прокопьев (Sergei V. Prokopyev), Jeanette J. Epps, Alexander Gerst</b>			
<b>Apr30.</b>	<b>Falcon Heavy</b>	<b>STP-02</b>	
Apr??	<a href="#">H-2A</a>	GOSAT-2	
Apr??	Epsilon	OrigamiSat-1	
Apr??	<a href="#">Ariane 5</a> ECA	DSN 1 (Superbird-8)	
??	<a href="#">Falcon 9</a>	Telstar 18	<b>120</b>
??	<a href="#">Falcon 9</a>	Telstar 19	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M11, Beidou 3 MEO M12	
<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			
May??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2A	
May??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M13, Beidou 3 MEO M14	
May??	<a href="#">Soyuz ST</a> B/Fregat-MT	OneWeb smalsat (x10)	
??	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 7 (x10)	
<b>June06.</b>	<a href="#">Falcon 9</a> FT	<a href="#">Dragon SpX-15</a>	
<b>June13.</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> FT	<a href="#">Iridium Next</a> Flight 8 (x5), GRACE FO_1, FO_2	June??
<a href="#">9</a> FT	SAOCAM 1A		<a href="#">Falcon</a>



# Blog Gorana Hudeca

??	<a href="#">GSLV</a> MK II F11	GSAT-10A	
Launch site: <a href="#">Satish Dhawan Space Centre</a> , Sriharikota, India			
??	<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="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/</a> ??	100
??	<a href="#">Angara A5/ Briz-M</a>	Kosmos	
??	<a href="#">Ariane 5</a> ECA	Hellas-Sat-4	
??	CZ-5 Y3	SJ-18 02	
??	<a href="#">Vega</a> (VV11)	Aeolus / ADM	
??	<a href="#">Ariane 5</a> ECA	GSAT-11	
??	<a href="#">Falcon 9</a>	<a href="#">Spaceflight SSO-A</a>	
<b>July31.</b>	<b>Delta 4-H</b>	<b>Parker Solar Probe</b>	
July??	<a href="#">PSLV</a>	Oceansat-3	
??	Falcon H	Arabsat 6A	
??	<a href="#">Falcon 9</a>	GPS IIIA-2	
??	<a href="#">Falcon 9</a>	PSN VI	
Aug??	<a href="#">Falcon 9</a> (SPx-DM2)	Dragon v2	
<b>CDR: Eric Boe, Sunita Williams</b>			
Aug??	<a href="#">Atlas 5</a> 422 (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	
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 16	
??	<a href="#">Atlas 5</a> (531) (AV073)	AEHF-4	80
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	
<b>Sep08.</b>	<a href="#">Soyuz-2</a> 1A <a href="#">Soyuz MS</a> 10 (S57/58)		
<b>CDR: Алексей Н. Овчинин (Aleksei N. Ovchinin), Н. Тихонов (Nikolai Tikhonov), Tyler 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="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 17	
??	<a href="#">Ariane 5</a> ECA	EDRS-C (Hylas 3)	
??	<a href="#">Ariane 5</a> ECA	Intelsat 7C	
??	<a href="#">Falcon 9</a> FT	Radarsat C-1, -2, C-3	
??	<a href="#">Falcon 9</a> v1.2	OHB SARah satellite (x2)	
<b>Oct05.</b>	<a href="#">Ariane 5</a>	<a href="#">BepiColombo</a> ESA and ISAS Mercury Orbiters	



# Blog Gorana Hudeca

## Oct11. [Soyuz-2](#) [Progress MS 10](#)

Oct?? [Proton-M](#) rocket to launch **Spektr-Rentgen-Gamma X-Ray** observatory from Baikonur. 1900 kg Spectr-RG is a joint Russian-German X-ray observatory carrying two telescopes developed and produced by German and Russian partners. The primary instrument is German eRosita, complemented by Russian ART-XC. Main tasks of the project are studies of the sky in X-ray energy range, which can provide clues for the mystery of dark energy.

Oct??	<a href="#">Soyuz ST</a> B/Fregat-M	MetOp-C	
Oct??	<a href="#">CZ-3C</a>	Beidou 3 G1Q	
Oct??	<a href="#">Proton-M/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="#">Proton-M/</a> DM-03	<a href="#">Glonass-M/K18,K19,K20</a>	
??	<a href="#">Ariane 5</a> ECA	Intelsat 39	60
??	<a href="#">Ariane 5</a>	Horizon 3e	
??	H-2B (F7)	HTV7	

## Nov07. [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)

**CDR:** Олег ДМИТРИЕВИЧ **Конonenko** (Oleg D. **Kononenko**), Serena **Auñón-Chancellor**, David **Saint-Jaques**

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="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 15	
??	<a href="#">Falcon 9</a> FT	<a href="#">Spaceflight GTO.C</a>	
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="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2 / 14	
??	<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> 551	AFSPC-7	
??	<a href="#">Atlas 5</a>	AEHF 5	
??	<a href="#">Soyuz-2</a> 1A / <a href="#">Fregat</a>	Kanopus V 5, Kanopus V 6	40
??	<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="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> M	Meridian 18L	



# Blog Gorana Hudeca

??	<a href="#">Soyuz-2</a> 1A	Bars-M 3
??	<a href="#">Soyuz-2</a> 1A	Energiya-100
??	<a href="#">Soyuz-2-1B/</a> <a href="#">Fregat</a> -M	Glonass M 55
??	<a href="#">Soyuz-2-1B</a>	Obzor R -1
??	Dnepr	<a href="#">UniSat-7</a>
Launch site: ( <a href="#">Dombrovskiy</a> ), Russia		
??	<a href="#">Angara</a> 1.2	Kosmos
??	<a href="#">Ariane 5</a> ES	<a href="#">Galileo-FOC</a> FM19 (Tara), <a href="#">Galileo-FOC</a> FM20 (Samuel), <a href="#">Galileo-FOC</a> FM21 (Anna), <a href="#">Galileo-FOC</a> FM22 (Ellen)
??	<a href="#">CZ-2D</a>	SJ-12 Shijian-12 (2)
??	<a href="#">CZ-2D</a>	TH-2 Tianhui-2
??	<a href="#">CZ-2C</a>	CSES-1 Earthquake electromagnetism monitor satellite
??	??	VeneSat-2
??	<a href="#">CZ-3B/E</a>	CC-1 <a href="#">Changcheng-1</a>
??	CZ-2D	GF-7 Gaofen-7
??	CZ	CBERS-SAR 1
??	CZ	Deep Space Solar Observatory
??	CZ	CBERS-4B
??	<a href="#">CZ-3B/E</a>	SupremeSAT-II
??	<a href="#">CZ-3B/E</a>	CongoSat 1
??	<a href="#">CZ-3B/E</a>	Apstar-6D
??	??	Small Military Meteorological Satellite (x6)
??	CZ	FY-3E Fengyun-3E
??	CZ	FY-4B Fengyun-4B
??	<a href="#">CZ-4B</a>	<a href="#">Haiyang-1C</a> HY-1C
Launch site: <a href="#">Taiyuan</a> , China		
??	CZ-??	<a href="#">CAS-4A, CAS-4B</a>
Launch site: <a href="#">Taiyuan</a> , China		
??	CZ-4B	HY-1D Haiyang-1D
??	CZ-4B	HY-2B Haiyang-2B
??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M7, <a href="#">Beidou 3</a> MEO M8
??	<a href="#">CZ-3C</a>	<a href="#">Beidou 3</a> G8
??	<a href="#">GSLV</a> MK II F12	GSAT-7A
??	<a href="#">GSLV</a> MK II F10	GISAT
??	<a href="#">PSLV</a>	EnMap
??	<a href="#">Safir 1 B</a>	Tadbir
??	Safir 3A	Pars sepher
??	Tronador II/VEX5	TBD (suborbital)
Launch site: Puerto Belgrano, Argentina		



# Blog Gorana Hudeca

## 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)

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

**Mar07.** [Soyuz-2 1A](#) [Soyuz MS 12](#)  
 ???CDR: ?? Павел Владимирович **ВИНОГРАДОВ** ( Pavel Vladimirovich **Vinogradov**), ?? Sergei **Kud-Sverchkov**, Shannon **Walker**

**Mar21.** [Proton-M](#) **MLM**  
 Mar?? [Vega](#) Seosat (Ingenio)  
 Mar?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B  
 ?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)  
 ?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13

Apr?? ?? GOES-T  
 Apr?? [CZ-3B/E](#) Nicasat 1  
 Apr?? [CZ-3C](#) Beidou 3 I2Q  
 ?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vechile)

May?? [Falcon 9](#) FT [Dragon](#) SpX-19  
 May?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2) with 2 astronauts  
 May?? [Soyuz-2](#) [Progress MS 12](#)

June?? [Atlas 5](#) 551 STP-03  
 June?? [Ariane 5](#) MTG-I1  
 June?? [Ariane 5](#) ES JWST (James Webb Space Telescope)

?? [PSLV](#) RISAT 1A  
 ?? [CZ-3B/G2](#) TECSTAR 1  
 ?? [Vega](#) Cosmo-SkyMed Secon Gen 1 CSG-1

July?? [CZ-3C](#) Beidou 3 I3Q

Aug?? [Soyuz ST B/Fregat](#)-MT EarthCare

**Sep30.** [Soyuz-2 1A](#) [Soyuz MS 13](#)  
 CDR: ??, Luca **Parmitano** (ESA) , Anne **McClain** (NASA)





# Blog Gorana Hudeca

Sep??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K1 / 22
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="#">Falcon 9 FT</a>	<a href="#">Dragon</a> SpX-20
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>
<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>
<b>Dec15.</b>	<b>SLS-1</b>	<b>Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)</b>
Dec??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M21, Beidou 3 MEO M22
Dec??	<a href="#">Proton-M/Briz-M</a>	Ekspress 80, Ekspress 103
Dec??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 4
??	Falcon H	Circumlunar Dragon V2
??	<a href="#">Falcon 9</a> v1.1	Astrium active SARah satellite
??	<a href="#">Falcon 9</a>	GPS IIIA-6
??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-7
??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-8
??	<a href="#">Delta IV-M+(4,2)/ Atlas 5 421</a>	GPS IIIA-9/GPS IIIB-1
??	<a href="#">Delta IV-M+(4,2)/ Atlas 5 421</a>	GPS IIIA-10/GPS IIIB-2
??	<a href="#">Atlas 5 551</a>	Asteroid Retrieval Spacecraft (ARS)
??	??	EX-3
??	??	AEHF-6
??	<a href="#">Vega</a>	Jason-CS A
??	<a href="#">Vega</a>	OpSis
??	<a href="#">Vega</a>	VNREDSat
??	<a href="#">Vega</a>	LOTUSat
??	<a href="#">Ariane 5 ECA</a>	Eutelsat Quantum
??	<a href="#">Ariane 5 ECA</a>	African Broadband Satellite
??	<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="#">Soyuz-2-1A/Fregat-M</a>	Kondor-FKA n.º 1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 2
??	<a href="#">Proton-M/Briz-M</a>	SkyTerra 2
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7
??	<a href="#">Proton-M/Briz-M</a>	Luch 5M
??	<a href="#">Proton-M/Briz-M</a>	Yenisey A1
??	<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



# Blog Gorana Hudeca

?? [Soyuz-2-1B/Fregat](#) M Meridian 19L  
 ?? [Soyuz-2-](#) Razdan 1

?? [Soyuz-2-1B/Fregat](#)-M [Glonass-M/](#) 53  
 ?? [Soyuz-2-1B/Fregat](#) Glonass M/ 58  
 ?? [Soyuz-2-1B/Fregat](#) Glonass M / 59  
 ?? [Soyuz-2-1B/Fregat](#) Glonass M / 60

?? CZ-5 Chang'e-5 (Sample return)

?? CZ FY-3F Fengyun-3F (Batch 2)  
 ?? CZ FY-3 Fengyun-3 RM-2  
 ?? [CZ-4B](#) HY-2D Haiyang-2D  
 ?? CZ Sun Fixed-Point Observation  
 ?? [CZ-4B](#) HY-2C Haiyang-2C

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

## 2020.

Jan?? [Falcon 9](#) v1.1 USCV-3 (US Commercial Vehicles)

**Mar30.** **Soyuz 2-1A** **[Soyuz MS 14](#)**

Mar?? [Delta IV](#)-M DMSP-5D3 F20  
 Mar?? [Soyuz-2-1B/Fregat](#)-M Glonass K1 / 22

?? CZ-5 Tian He Space Station Core Module

Apr?? [CZ-3B](#)/YZ-1 Beidou 3 MEO M23, Beidou 3 MEO M24  
 Apr?? Angara-1.2/AM [Gonets](#) x 3 (No 30,31,32)

?? CZ-5B Wentian Lab module Space station module  
 ?? CZ-2F/G SZ-12 Shenzhou-12

?? [CZ-3B/G2](#) ZX-18 Zhongxing-18

June?? Ariane MTG-S1/Sentinel-4A  
 June?? [CZ-3C](#) Beidou 3 G3Q

?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EPS-SG-a/Sentinel-5A

**July16** **Ariane 62** **Galileo-FOC FM23, Galileo-FOC FM24**

**July24.** **[Proton-M/Briz-M](#)** **ExoMars (CM+DM)**

July?? [Atlas 5](#) (541) [Mars 2020 rover](#) NASA's exit from a joint sample-collection campaign with Europe aims to send a \$700 million mission to the red planet in 2018 or 2020. The replanned Mars mission, referred to in budget documents as Mars Next Generation, will carry a price tag that falls somewhere between that of the 2013 Maven Scout mission and the 2005 Mars Reconnaissance Orbiter, which cost \$485 million, and more than \$720 million, respectively.

July?? [CZ-3C](#) Beidou 3 G2Q



# Blog Gorana Hudeca

?? CZ 5 [Mars probe](#) (orbiter + lander + rover)

**Aug05.** [Proton-M/Briz-M](#) **ExoMars** An ESA exobiology rover equipped with a deep drill developed by Astrium Satellites in the United Kingdom will launch in 2018. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface.

**Sep30.** **Soyuz 2-1A** [Soyuz MS 15](#)

Sep?? CZ CBERS-6  
 Sep?? [Soyuz-2-1B/Fregat-M](#) Glonass K2 / 15

?? CZ-2F/G SZ-13 Shenzhou-13  
 ?? Vega Proba 3

Dec?? [Soyuz ST](#) B/[Fregat](#) MT Euclid  
 Euclid will depart Earth on a Soyuz rocket launched from French Guiana and head for the L2 Lagrange point.

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

?? GSLV-Mk III. Dr B N Suresh and Mr Madan Lal, Vikram Sarabhai Space Centre (VSSC) presented the concept for the manned space mission including the development of an autonomous Orbital Vehicle (4,000kg manned capsule).

?? ?? SWOT  
 ?? ?? PACE  
 ?? ?? EX-4  
 ?? ?? ACE  
 ?? ?? HypIRI  
 ?? Antares IMAP/STP-05

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

?? [Falcon 9](#) FT [Dragon](#) SpX-19  
 ?? [Falcon 9](#) FT [Dragon](#) SpX-21  
 ?? [Falcon 9](#) FT [Dragon](#) SpX-22  
 ?? [Antares](#) 230 [Cygnus](#) OA-12

?? Falcon H ViaSat 3

?? [Proton-M](#) HЭM-1

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

?? [Soyuz-2-1B/Fregat-M](#) Arktika M 3  
 ?? [Soyuz-2-1B/Fregat-M](#) Glonass K2  
 ?? [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



# Blog Gorana Hudeca

?? [Soyuz-2-1A/Fregat](#) 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
??	??	Biomass
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b

?? [Ariane 5](#) 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

?? [GSLV](#) 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

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

**Mar30.** [Soyuz-2-1A](#) [Soyuz MS](#) 16

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

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

?? 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

**Sep30.** [Soyuz-2-1A](#) [Soyuz MS](#) 17

Oct?? [Atlas 5](#) 401/[Falcon 9](#) v1.1 JPSS Free Flyer 2 (TSIS-2)

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



# Blog Gorana Hudeca

??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-2
??	SLS Block I	Europa Clipper
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 19
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Transformable Modul TM
??	<a href="#">Soyuz-2</a> 1a / <a href="#">Fregat</a>	<a href="#">Luna 26</a> (Luna-Resurs OA)
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 2
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No3
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 5
??	<a href="#">Proton-M/Briz-M</a>	Ekspress-RV1, Ekspress-RV2
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Smotr R №1
??	<a href="#">Proton-M/Briz-M</a>	IntelSat
??	<a href="#">Vega</a>	Sentinel-1A 2nd Gen
??	<a href="#">Vega</a>	Space Rider
??	<a href="#">Soyuz ST</a> / <a href="#">Vega</a>	Merlin
??	CZ	Venus Global Sensing Probe
??	CZ	FY-3G Fengyun-3G (Batch 2)

## 2022.

Jan?? ?? Solar Sentinels

?? [Soyuz-2](#) [Progress MS](#) 20

Mar17. CZ3 Asteroid rendezvous and touchdown Rendezvous with the asteroid Apophis on 18 March 2023, entering its orbit. After 220 days, the probe will depart and then proceed toward asteroid 2002EX11. Flyby is expected on 6 October 2025 at a 9.8 km/s speed. Third and final leg of its journey, the probe will make a rendezvous with asteroid 1996FG3 on 1 January 2027 and enter its orbit. After 180 days, the probe will eventually make landing on its surface on 30 June 2027.

**Mar30. [Soyuz-2-1A](#) [Soyuz MS](#) 18**

Apr?? [Angara](#) A5/ DM 03 Elektro M – 1-2

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

**June01. SLS Block I Orion: Exploration Mission 2 (Crew to Cislunar) Mission)**

June?? [Ariane](#) 5ECA JUICE (JUperiter ICy moon Explorer)  
 June?? Ariane 5 MTG-I2  
 June?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (US Commercial Vehicles)

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



# Blog Gorana Hudeca

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



# Blog Gorana Hudeca

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

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

## 2024

**Mar30.** [Soyuz-2-1A](#) [Soyuz MS 22](#)

??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-11 (US Commercial Vehicles)

**Sep30.** [Soyuz-2-1A](#) [Soyuz MS 23](#)

Oct??	EELV	GOES-U
??	SLS Block IA II	Orion: Exploration Mission 4 (Crew to Cislunar)
??	Sunkar	Federatsia (Light 14t – 2 man to ISS)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 26
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 27
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 28

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

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



# Blog Gorana Hudeca

??	??	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</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)