



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (20.5.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 20. May 2019.

**May21. 2357UTC** [PSLV C46](#) **RISAT-2B**  
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

**May22. 2250UTC** **CZ-4C** **Yaogan Weixing-33 YG-33**  
Launch site: [Taiyuan](#), China

**May24. 0230UTC** [Falcon 9](#) **Starlink 1**  
Launch site: [Cape Canaveral](#), USA

**May27.** [Soyuz-2-1B/Fregat](#) **Glonass M/ 58**  
Launch site: [Плесецк \(Plesetsk\) Cosmodrome](#), Russia

**May30. 1742UTC** [Proton-M/Briz-M](#) **Ямал-601**  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

May?? LD-1 Jielong-1  
Launch site: [Jiuquan](#), China

?? [KZ-1A](#) ??  
Launch site: [Jiuquan](#), China

**June05.** [CZ-11](#) - wey **Jilin-1 (two sats)**

**June11.** [Falcon 9](#) **Radarsat C-1, -2, C-3**  
Launch site: [Vandenberg](#), USA

**June20. 2141UTC** [Ariane 5](#) ECA VA248 **Eutelsat 7C / DirecTV 16**

**June21. 1344UTC** [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.

**June22.** [CZ-4B](#) **ZY-2D Ziyuan-2D**  
Launch site: [Taiyuan](#), China

**June22.** [Falcon Heavy](#) **STP-02, FORMOSAT-7 (6 sat)**  
Launch site: [Cape Canaveral](#), USA

**June24.** [PSLV](#) C47 **CARTOSAT-3, NEMO-AM**

**June27. 1000UTC** [Atlas 5](#) **AEHF 5**

June?? [Electron](#) KSM-1,KSM-2,KSM-3 (Kleos Scouting Mission)

June?? [CZ-2D](#) SJ-19 Shijian-19

June?? Hyperbola-1 SQX-1 ??

June?? [Electron](#) "Make it rain" Prometheus (x2), ACRUX-1



# Blog Gorana Hudeca

?? KZ-11 Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02) **100**

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

?? [Soyuz-2](#) 1A [Bars-M](#) 3  
 Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? Cosmic Girl / LauncherOne Test Launch  
 Launch site: [Spaceport America](#), USA

?? [CZ-3B/G2](#) TCSTAR 1  
 ?? [CZ-11](#) Zhuhai-1 Group-3  
 ?? [Soyuz-2](#)-1V ??  
 ?? [Soyuz-2](#)-1B/[Fregat](#) M Meridian 18L

**July05.** [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-2, Ionosfera 3, Ionosfera 4**  
 Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

**July08.** [Falcon 9](#) [Dragon SpX-18](#)

**July09.** [GSLV](#) Mk III D3 **Chandrayaan 2**  
 Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

**July16.** **0337UTC** [Proton-M/Briz-M](#) **Blagovest 14**  
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

**July20.** **1625UTC** [Soyuz FG](#) [Soyuz MS 13 \(S60/61\)](#)  
 CDR: Александр Александрович **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

**July24.** [Ariane 5](#) ECA VA249 **Intelsat 39 / EDRS-C (Hylas 3)**

**July25.** [Delta IV](#) **GPS IIIA-2**

**July31.** [Soyuz-2](#) [Progress MS 12](#)

July?? [Vega](#) VV15 Falcon Eye 1  
 Launch site: [Kourou](#), French Guiana

July?? [Falcon 9](#) Amos 17  
 Launch site: [Cape Canaveral](#), USA

July?? [CZ-3A](#) [Beidou 3](#) I3Q  
 July?? [PSLV](#) C48 - XL RISAT-2BR1

?? Shuang Quxian-1 ?? **80**

**Aug17.** [Atlas 5](#) N22 (AV80) **CST-100 Starliner (unmanned test)**

**Aug22.** [Soyuz-2](#) 1A **Soyuz 14 GVK**

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

Aug?? SSLV D1 Two defence sats



# Blog Gorana Hudeca

??	<a href="#">CZ-3B/E</a>	Apstar-6D
<b>Sep02.</b>	<a href="#">Vega</a>	<b>SSMS POC (Small Spacecraft Mission Service Proof Of Concept)</b>
<b>Sep11.</b>	<b>H-2B (F9)</b>	<b>HTV8</b>
<b>Sep25.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 15 (S61/62)</a>
CDR : Олэг Ива́нович <b>Скри́почка</b> , (Oleg Ivanovich <b>Skripotscka</b> ), ??Christopher J. <b>Cassidy</b> , Hazzaa <b>Al Mansouri</b>		
Sep??	<a href="#">GSLV</a> MK II	F12 GISAT -1
??	<a href="#">Falcon 9</a> (SPx-DM2)	<a href="#">Dragon v2</a>
CDR: Robert <b>Benkhen</b> , Doug <b>Hurley</b>		
??	<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="#">Atlas 5</a> 551 (AV-086)	AEHF-6
??	<a href="#">Ariane 5</a>	Inmarsat-5 F5
??	<a href="#">Falcon 9</a>	JCSat 18
??	<a href="#">Electron</a>	BlackSky Global 4
??	<a href="#">Electron</a>	Dove / Flock-y
<b>Oct15.</b>	<a href="#">Soyuz ST B/Fregat-MT</a>	<b>Cosmo-SkyMed Secon Gen 1</b> <b>CSG-1 / CHEOPS</b>
<b>(Characterising ExOPlanet Satellite)</b>		
<b>Oct19.</b>	<a href="#">Antares</a> 230	<a href="#">Cygnum</a> OA-12
Oct??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M19, <a href="#">Beidou 3</a> MEO M20
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat-M</a>	<a href="#">Gonets</a> x 3 (No 27,28,29) <b>60</b>
Oct??	<a href="#">Falcon 9</a>	GPS IIIA-3
Oct??	<a href="#">Atlas 5</a> 551	STP-03
Oct??	SSLV D2	Demo 2
Oct??	<a href="#">PSLV</a>	RISAT-2BR2
Oct??	<a href="#">Proton-M/Briz-M</a>	EutelSat 5 West B / MEV
??	CZ-4B	CBERS-4° A
<b>Nov01.</b>	<a href="#">Atlas 5</a> 422 (AV082)	<b>CST-100 Starliner</b>
CDR: Michael <b>Fincke</b> , Chris <b>Ferguson</b> , Nicole Aunapu <b>Mann</b>		
<b>Nov20.</b>	<a href="#">Proton-M/Briz-M</a>	<b>Elektro L – 3</b>
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan		
Nov??	<a href="#">Vega</a>	Falcon Eye 2
Nov??	<a href="#">GSLV</a>	GISAT -2
??	<a href="#">Ariane 5</a>	JCSat 17
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)
??	CZ-6A	Satellologic (1-13)
??	<a href="#">Vega</a>	Seosat (Ingenio)
??	Minotaur 1	NROL 111
??	<a href="#">Falcon 9</a>	SiriusXM SX7
??	Minotaur IV	NROL 129



# Blog Gorana Hudeca

<b>Dec04.</b>	<a href="#">Falcon 9 FT</a>	<a href="#">Dragon SpX-19</a>	
<b>Dec20.</b>	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 13</a>	
??Dec??	<a href="#">Falcon 9</a>	<a href="#">Dragon v2</a> (USCV-1)	
Cdr:	Victor <b>Glover</b> , Mike <b>Hopkins</b> , Soichi <b>Noguchi</b>		40
Dec??	<a href="#">Proton-M/Briz-M</a>	Ekspress 80, Ekspress 103	
Dec??	<a href="#">Soyuz-2 1B /Fregat-M</a>	CAS500-1	
Dec??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass K2 / 13	
Dec??	<a href="#">Falcon 9</a>	GPS IIIA-4	
Dec??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M21, <a href="#">Beidou 3</a> MEO M22	
Dec??	<a href="#">Angara A5/ Briz M</a>	Kosmos	
Dec??	<a href="#">CZ-5 Y3</a>	SJ-20 (DFH-5 platform)	
??	<a href="#">Atlas 5</a> 551	AFSPC-7 (X-37B OTV 6)	
??	<a href="#">Atlas 5</a> 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	<a href="#">Ariane 5</a> ECA	Eutelsat BB4A (African Broadband Satellite)	
??	<a href="#">Ariane 5</a> ECA	Star One D2	
??	<a href="#">Vega</a>	OpSis	
??	<a href="#">Soyuz-2-</a>	Razdan 1	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
??	<a href="#">Soyuz-2</a> 1A	Energiya-100	
??	<a href="#">Soyuz-2-1B</a>	Pion	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat-M</a>	Tundra 3	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat-M</a>	Tundra 4	
??	<a href="#">Rokot / Briz KMGeo IK 2</a>	13L	
Launch site:	Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia		20
??	<a href="#">Soyuz-2-1B/ Fregat-M</a>	Glonass K1 15	
??	<a href="#">CZ-5</a>	Chang'e-5 (Sample return)	
??	CZ-7	New generation manned spacecraft	
??	CZ	FY-3E Fengyun-3E	
??	CZ	FY-4B Fengyun-4B	
??	<a href="#">CZ-2C</a>	HY-1D Haiyang-1D	
??	<a href="#">CZ-4B</a>	HY-2C Haiyang-2C	
??	CZ-6A	HY-2D Haiyang-3A	
??	<a href="#">CZ-3A</a>	<a href="#">Beidou 3</a> I2Q	
??	CZ	CBERS-SAR 1	



# Blog Gorana Hudeca

?? CZ-?? [CAS-4A, CAS-4B](#)

Launch site: [Taiyuan](#), China

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

?? [CZ-2D](#) GF-7 Gaofen-7  
 ?? [CZ-2D](#) ETRSS-1

?? [CZ-11](#) Fengtai Shaonian-02

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

?? CZ?? CAS-7A, CAS-7B

Launch site: [Jiuquan](#), China

5 + 13  
 27 + 119

## 2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20  
 Jan?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

?? - inaugural flight - Vega-C - Kourou ZLV  
 ?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C  
 ?? [Ariane 5](#) ECA GSAT-20

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

Feb?? H-2B (F10) HTV9 120  
 Feb?? [CZ-3B/YZ-1](#) [Beidou 3](#) 2GQ  
 Feb?? [Soyuz-2](#) [Progress MS](#) 14  
 Feb?? [GSLV](#) GSAT - 32

?? [Vega](#) SSMS - 2 (Small Spacecraft Mission Service)  
 ?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
 ?? [CZ-5](#) B Test flight  
 ?? [Ariane 5](#) ECA Eutelsat Quantum  
 ?? [Ariane 5](#) ECA GSAT 30

## Mar20. Soyuz 2-1A [Soyuz MS 16 \(S62/63\)](#)

CDR: Николай Владимирович **Тихонов** (Nikolai Tikhonov), Андрей Николаевич **Бабкин** (Andrei Babkin), Hoshide

Mar?? [Delta IV](#)-M DMSP-5D3 F20  
 Mar?? [Soyuz-2-1B/Fregat](#)-M Glonass K1 / 22  
 Mar?? [Atlas 5](#) 551 AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))

?? [CZ-5](#) Tian He Space Station Core Module  
 ?? [Ariane 5](#) Galaxy 30 / MEV-2  
 ?? [Ariane 5](#) ECA GEO-KOMPSAT-2B, Cheollian 2B  
 ?? [Soyuz-2-1B/Fregat](#)-M Glonass M 59



# Blog Gorana Hudeca

??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass M 60	
Apr??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M23, <a href="#">Beidou 3</a> MEO M24	
Apr??	Angara-1.2/AM <a href="#">Gonets</a> x 3 (No 30,31,32)		
Apr??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat-M</a>	CAS500-1	100
??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vechile)	
??	CZ-2F/G	SZ-12 Shenzhou-12	
??	<a href="#">Vega</a> CCERES (x3)		
May??	<a href="#">Soyuz-2</a> 1B	Progress M-UM	
May??	Ariane 62	CSO-2	
??	<a href="#">Proton-M</a>	MLM	
June??	<a href="#">Atlas 5</a> 402	CST 100 Starliner (USCV-2)	
	Cdr: John <b>Cassada</b> , Sunita <b>Williams</b>		
June??	<a href="#">Ariane 5</a>	MTG-S1/Sentinel-4A	
June??	<a href="#">CZ-3C</a>	<a href="#">Beidou 3</a> G3Q	
June??	Vega_C	Space Rider flight 1	
June??	<a href="#">Atlas 5</a> 551	AFSPC-8 (GSSAP 5, GSSAP 6)	
June??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 15	
<b>July16</b>	<b>Ariane 62</b>	<b>OneWeb</b>	
<b>July17.</b>	<a href="#">Atlas 5</a> (541)	<a href="#">Mars 2020 rover</a>	
<b>July25.</b>	<a href="#">Proton-M/Briz-M</a>	<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 2020. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface.	
July??	<a href="#">CZ-5</a>	<a href="#">Mars probe</a> (orbiter + lander + rover)	
July??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 14	
July??	<a href="#">Soyuz-2-1B</a>	Arktika-M	
??	Vega-C Pleiades Neo 1, Pleiades Neo 2		
??	<a href="#">Ariane 5</a>	ViaSat 3 EMEA	80
Aug??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-21	
Sep??	CZ	CBERS-6	
Sep??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 15	
Sep??	<a href="#">Falcon 9</a>	GPS IIIA-5	
Sep??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-1	
Sep??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 16	
Sep??	??	GOES-T (National Security Space Launch program)	
??	CZ-2F/G	SZ-13 Shenzhou-13	
<b>Oct21.</b>	<b>Soyuz 2-1A</b>	<b>Soyuz MS 17 (S63/64)</b>	
	CDR: <b>Иванишин (Ivanishin)</b> , <b>Вагнер (Vagner)</b> , <b>Bowen</b>		
Oct??	Vega	Proba 3	
??	<a href="#">Falcon 9</a>	SARah 1	



# Blog Gorana Hudeca

?? [Angara](#) A5/ DM 03(Persei) Kosmos

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

Nov?? [Soyuz-2](#) 1B /[Fregat](#)-M Resurs №4

?? SLS-1 Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM

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

Dec?? GSLV-Mk III. Gaganyaan-1 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).

Dec?? [Falcon 9](#) [Dragon v2](#) USCV-3 (US Commercial Vehicles)  
CDR: ??(NASA), ??(NASA), ??(RF)

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

??	??	PACE	60
??	??	EX-4	
??	??	ACE	
??	??	HyspIRI	
??	Antares	IMAP/STP-05	

?? [Falcon 9](#) FT [Dragon](#) SpX-22

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

?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 16  
?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 17

?? [Soyuz-2-1B](#)/[Fregat](#)-M Meteor M No2-3  
?? [Angara](#) 1.2 Kompsat-6  
?? [Soyuz-2-1A](#)/[Fregat](#)-M [Gonets](#) 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="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	
??	<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>	Ямал-GK-1	40
??	<a href="#">Proton-M</a>	PTK NP	

?? [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

?? [Soyuz-2-1B](#)/[Fregat](#)-M Kondor-FKA n.º 1



# Blog Gorana Hudeca

??	<a href="#">Soyuz-2-1B</a>	Obzor R -1	
??	??	Zond	
??	??	MKA PN6 (Monika)	
??	??	Картораф-ОЭ №1	
??	<a href="#">Soyuz-2-1B/Fregat M</a>	Meridian 19L	
??	<a href="#">Angara 1.2</a>	Kosmos	
??	<a href="#">Ariane 5</a>	Arsat 3	
??	<a href="#">Ariane 5</a>	ViaSat-3 Asia	
??	<a href="#">Ariane 5</a> ECA	EDRS-D	
??	??	Seosat-Ingenio-2	
??	<a href="#">Vega C</a> Cosmo-SkyMed Secon Gen 2	CSG-2	
??	CZ	Two Meter Space Telescope	
??	CZ	FY-4C Fengyun-4C	20
??	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)	
??	CZ	FY-3F Fengyun-3F (Batch 2)	
??	CZ	FY-3 Fengyun-3 RM-2	
??	<a href="#">GSLV</a> MK II F11	GSAT-10A	
Launch site: <a href="#">Satish Dhawan Space Centre</a> , Sriharikota, India			
??	<a href="#">PSLV</a>	ScatSat, NovaSAR	
??	<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	
??	<a href="#">Safir 1 B</a>	Tadbir	
??	Safir 3A	Pars sepher	

126

## 2021.

Feb??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 18
Feb??	<a href="#">Falcon 9</a>	GPS IIIA-6
Feb??	<a href="#">Falcon H</a>	AFSPC-44





# Blog Gorana Hudeca

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

Cdr: xx, Akihiko **Hoshide**, xx

**Mar31.** [Ariane 5 ES](#)      **JWST (James Webb Space Telescope)**

Mar??      [Atlas 5](#) 411      SBIRS-GEO 5  
 Apr??      [Atlas 5](#) 402      USCV-4 (US Commercial Vehicles)  
 Apr??      Ariane 62      Galileo-FOC FM23, Galileo-FOC FM24  
 ??      [CZ-5](#) B Wentian Lab module      Space station module

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.

June??      [Falcon 9](#)      DART (Double Asteroid Redirection Test)

??      CZ7      TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)  
 ??      [Soyuz-2](#)      [Progress MS 19](#)  
 ??      CZ-2F/G      SZ-14 Shenzhou-14  
 ??      Ariane 62      Galileo-FOC FM25, Galileo-FOC FM26

July??      Vulcan/Minotaur 6/[Falcon 9](#) v1.1      JPSS-2  
 July??      [Vega](#) C      Biomass  
 July??      [Soyuz-2](#) 1a / [Fregat](#)      Luna 25 (Luna-Glob-1)  
 July??      GSLV-Mk III.      Gaganyaan-2

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

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

Sep??      [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EPS-SG-a/Sentinel-5A  
 Sep??      [Falcon 9](#)      SWOT  
 Sep??      [Falcon 9](#)      OHB SARah 2/3

**Oct16.**      [Atlas 5](#) 401      **Lucy**

Oct??      [Atlas 5](#) 401/[Falcon 9](#) v1.1      JPSS Free Flyer 2 (TSIS-2)  
 Oct??      Ariane 62      CSO-3  
 Oct??      [Atlas 5](#) 402 / [Falcon 9](#)      USCV-5 (US Commercial Vehicles)

Dec??      [Vega](#) C KOMPSAT 7  
 Dec??      GSLV-Mk III.      Gaganyaan-3  
 Dec??      [Falcon 9](#)      NROL-85 Intruder 13A713B  
 Dec??      [Falcon 9](#)      NROL-87

??      [Ariane 5](#)      MTG-I1

??      [Atlas 5](#) 552      Dream Chaser Cargo System SNC-2

??      [Falcon 9](#)      GPS IIIA-7  
 ??      [Falcon 9](#)      GPS IIIA-8

??      [Soyuz-2](#)      [Progress MS 20](#)  
 ??      [Soyuz-2](#)-1B/[Fregat](#)-M Transformable Modul      TM



# Blog Gorana Hudeca

??	<a href="#">Proton-M</a>	HƏM-1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-4
??	<a href="#">Angara 1.2</a>	<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="#">Proton-M/DM-03</a>	<a href="#">Glonass-M/K21,K22,K23</a>
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Kondor-FKA n.º 2
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Resurs №5
??	<a href="#">Angara A5/ Briz-M</a>	Luch 5M
??	<a href="#">Ariane 5</a>	Heinrich Hertz
??	<a href="#">Ariane 5</a>	SES-17
??	<a href="#">Ariane 5</a>	Comsat NG 1 (Syracuse 4A)
??	<a href="#">Soyuz ST B/Fregat-MT</a>	CSO 2 (Composante Spatiale Optique-2)
??	<a href="#">Soyuz ST B/Fregat-MT</a>	OneWeb smalsat (x32)
??	<a href="#">Soyuz ST B/Fregat-MT</a>	OneWeb smalsat (x32)
??	<a href="#">Vega C</a>	Space Rider 2
??	<a href="#">Vega C</a>	CNES/UAE Mars mission
??	<a href="#">Vega-C</a>	Pleiades Neo 3, Pleiades Neo 4
??	CZ	Venus Global Sensing Probe
??	CZ	FY-3G Fengyun-3G (Batch 2)
??	??	Sansha-1 (1)
??	??	Sansha-1 (2)

## 2022.

Jan??	??	Solar Sentinels
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 21</a>

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

## Mar30. [Soyuz-2-1A](#) [Soyuz MS 19](#)

Mar??	<a href="#">Atlas 5</a>	NROL-107 Silentbaker
Apr??	<a href="#">Atlas 5 402 / Falcon 9</a>	USCV-6 (US Commercial Vehicles)
??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vechile)
??	<a href="#">CZ-5 B</a>	Mengtian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15



# Blog Gorana Hudeca

<b>May20.</b>	<b>Ariane 5ECA</b>	<b>JUICE (JUPiter ICy moon Explorer)</b>
Apr??	<a href="#">CZ-3B/G2</a>	LSTSAT (Nicasat 1)
<b>June04.</b>	<b>SLS Block I</b>	<b>Orion: Exploration Mission 2 (Crew to Cislunar) Mission)</b>
June??	Ariane 5	MTG-I2
??	Sunkar ??	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 20</a>
Aug??	H2B	Phobos sample return
Oct??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-7 (US Commercial Vehicles)
Aug??	<a href="#">Atlas 5</a> 411	SBIRS-GEO 6
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 20</a></b>
Dec??	<a href="#">Soyuz ST B</a> / <a href="#">Fregat</a> -MT	MetOp-SG B1
Dec??	<a href="#">Vega</a> C	FLEX (Fluorescence Explorer satellite)
??	Sunkar Federatsia (unmaned)	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 21</a>
??	<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="#">Soyuz-2-1B/Fregat</a> -M	Resurs PM - 1
??	<a href="#">Angara</a> A5/ <a href="#">Briz-M</a>	Luch 5M
??	<a href="#">Ariane 5</a>	Moon's south pole samples return mission
??	<a href="#">Ariane 5</a>	Comsat NG 2 (Syracuse 4B)
??	<a href="#">Vega</a> C	Space Rider 3
??	<a href="#">Vega</a> C	CryoSat FO
??	CZ	HY-3C Haiyang-3C
<b>2023.</b>		
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 22</a>
<b>Mar30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 21</a></b>



# Blog Gorana Hudeca

Apr?? [Atlas 5](#) 402 / [Falcon 9](#) USC8V-8 (US Commercial Vehicles)

?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)  
 ?? CZ-2F/G SZ-16 Shenzhou-16

?? [Soyuz-2](#) [Progress MS](#) 23  
 ?? [Ariane 5](#) MTG-S2/Sentinel-4A

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

Oct?? [Atlas 5](#) 402 / [Falcon 9](#) USC8V-9 (US Commercial Vehicles)

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

?? SLS Block IA II Orion: Exploration Mission 3 (Crew to Cislunar)

?? Sunkar Federatsia (unmanned flight to ISS)

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

?? [Proton-M/Briz-M](#) Ekspres – AT3, AT4

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

?? [Angara](#) 1.2 [Gonets](#) x 3

?? [Soyuz-2-1B](#) Obzor R - 2

?? [Soyuz-2-1B](#) Obzor O - 1

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

?? [Angara](#) A5P/DM03 Dopler 1, 2

?? [Soyuz-2-1B/Fregat-M](#) Meteor M No2-5

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

?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 2

?? [Vega](#) C Space Rider 4

?? [Soyuz ST](#) B/[Fregat](#)-MT Sentinel-1C

?? CZ SPORT (Solar Polar Orbit Radio Telescope)

?? CZ FY-4D Fengyun-4D

?? CZ Chang'e-7 (Moon south pole landing)

?? [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

?? [Soyuz-2](#) 1a / [Fregat](#) [Luna 26](#) (Luna-Resurs OA)

## 2024

**Mar30.** [Soyuz-2-1A](#) [Soyuz MS 23](#)

Apr?? [Atlas 5](#) 402 / [Falcon 9](#) USC8V-10 (US Commercial Vehicles)



# Blog Gorana Hudeca

??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b><a href="#">Soyuz MS 24</a></b>
Oct??	EELV	GOES-U
Oct??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-11 (US Commercial Vehicles)
??	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> 25
??	<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> 1b	Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	<a href="#">Proton-M</a> / DM-03	Spektr - UF
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 4
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 2, Gonets M
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 4
??	??	Ямал GK VEO 1
??	<a href="#">Soyuz-2-1A</a>	Obzor P -1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Razdan - 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-6
??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission
??	<a href="#">CZ-5</a>	Chang'e-6 Moon polar area sample return
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)
<b>2025</b>		
Apr??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-12 (US Commercial Vehicles)
Oct??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-13 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 25
??	SLS Block I	Europa Clipper
??	<a href="#">Soyuz-2</a> 1b	Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resonans 2A, 2B, MKA-PN5
??	??	Ямал GK VEO 2
??	??	Ямал GK VEO 3
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 5
??	<a href="#">Soyuz-2-1B</a>	Obzor O -2



# Blog Gorana Hudeca

?? [Soyuz-2-1B](#) Bion-M No. 3

## 2026.

Apr?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-14 (US Commercial Vehicles)

June?? [Angara](#) A5P/KVTK A mission to Venus (*Venera D*) would be launched

Oct?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-15 (US Commercial Vehicles)

?? CZ Jupiter Orbiter

?? CZ Mars Sample Return

?? CZ Chang'e-8 (Moon north pole landing)

?? [Angara](#) A5/DM03 Bumerang (FobosGrunt 2)

## 2069.

?? ?? [Interstellar mission](#)