



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (31.8.2020.)

2020.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change on **31.Aug.2020.**

**Sep01. 1329UTC Falcon 9 Starlink f12**

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

**Sep02. 0151UTC Vega (VV16) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)**

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

**Sep05. 0600UTC Delta IV-H NROL-44**

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

**Sep11. 0200UTC Rocket 3.1 DARPA Launch Challenge 2**

Launch site: [Pacific spaceport complex Alaska](#), USA

**Sep15. CZ-11 CAS-4A, CAS-4B**

Launch site: [Taiyuan](#), China

**Sep22. CZ-4B HY-2C Haiyang-2C**

Launch site: [Jiuquan](#), China

**Sep24. Soyuz-2 1B /Fregat-M Gonets x 3 (No 27,28,29)**

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

**Sep30. Antares 230 Cygnus OA-14**

Launch site: [Wallops Island](#), USA

**Sep30. Falcon 9 GPS IIIA-4**

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

Sep?? [PSLV](#) (C49) RISAT-2BR2 + 4 Kleos + 4 Spiresats

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India **100**

**Sep?? Falcon 9 SAOCOM-1B**

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

**Sep?? CZ-6 (Y5) QI-1; QL-4**

Launch site: [Taiyuan](#), China

Sep??	CZ	CBERS-6
Sep??	??	GOES-T (National Security Space Launch program)
Sep??	<a href="#">Atlas 5</a> 531	NROL-101
Sep??	<a href="#">Soyuz-2</a> B / <a href="#">Fregat</a> -M	CAS500-1; +
Sep??	<a href="#">PSLV</a>	HRSAT
Sep??	<a href="#">Electron</a>	STP 27R
Sep??	<a href="#">KZ-1A</a>	Jilin-1, Gaofen-02C
Sep??	<a href="#">CZ-4C</a>	<a href="#">Gaofen-3 (02)</a>

?? SSLV D1 Microsat 2A  
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India



# Blog Gorana Hudeca

?? [GSLV](#) F10 GISAT 1

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

??	<a href="#">PSLV</a>	Cartosat-3B	
??	<a href="#">PSLV</a>	IRNSS-1J	
??	<a href="#">Falcon 9</a>	<a href="#">Starlink</a> f13	
??	<a href="#">Falcon 9</a>	SiriusXM SX7	
??	<a href="#">GSLV</a> MK II F12	GISAT -2	
??	<a href="#">PSLV</a> (C50)	Oceansat-3A	
??	<a href="#">PSLV</a> C51	RISAT_1A	
??	??	Xidian -1	80
??	CZ-2F/G	?Experimental Spaceplane	
??	SSLV D2	Demo 2	
??	<a href="#">Soyuz-2</a> 1A	<a href="#">Bars-M</a> 3	

?? JL-1 (Y2) Yizheng-1, Yizheng-2 two 0,9 m resolution satelites

?? GX-1 Gushenxing-1 ??

?? [Safir 1 B](#) Nahid-1

Launch site: [Semnan](#), Iran

**Oct02.** [CZ-3B/G3](#) **Tiantong-1 (02)**

**Oct14.** **Soyuz 2-1A** [Soyuz MS 17 \(S63/64\)](#)

CDR: Сергей Николаевич **Рыжиков** (Sergey **Ryzhikov**), Сергей Владимирович **Кудь-Сверчков** (Sergey **Kud-Sverchkov**), Kathleen **Rubins**

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

**Oct17.** [Soyuz-2 ST A \(VS24\)](#) **Falcon Eye 2**

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

**Oct17.** [Soyuz-2-1B/Fregat-M](#) **Glonass K1 / 15L**

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

**Oct21. 2200UTC** **Shuang Quxian-1 (Y2)** **Fangzhou-2**

Launch site: [Jiuquan](#), China

**Oct23. 0947UTC** [Falcon 9](#) [Dragon v2 \(USCV-1\)](#)

Cdr: Victor **Glover**, Mike **Hopkins**, Soichi **Noguchi**, Shannon **Walker**

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

**Oct30.** [Falcon 9 FT](#) [Dragon SpX-21](#)

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

Oct?? [Vega](#) VV-17 Seosat (Ingenio), TARANIS

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

Oct?? Firefly Alpha first flight

Launch site: [Vandenberg](#), USA

Oct?? JL-1 Hainan-1 (4)

Oct?? CZ-6 2m resolution multispectral satellite

Oct?? [CZ-3B/](#) Gaofen-13

Oct?? CZ-6A Satellogic (1-13)

?? [Falcon 9](#) SiriusXM SX8



# Blog Gorana Hudeca

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

60

?? Cosmic Girl / LauncherOne Launch 3 ELaNaXX

Launch site: [Spaceport America](#), USA

?? [Ariane 5](#) ECA Eutelsat Quantum / Star One D2

?? CZ-8 Taihu -1

**Nov03.** [Angara A5](#) **Kosmos**

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

**Nov06.** [Soyuz-2 ST \(VS25\)](#) **CSO-2**

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

**Nov10.** [Falcon 9](#) **Jason – Sentinel 6A**

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

**Nov18.** [Atlas 5 422 \(AV082\)](#) **CST-100 Starliner unmaned test**

**Nov24.** [Ariane 5 VA254](#) **MTG-S1/Sentinel-4A**

**Nov24.** [CZ-5 Y5](#) **Chang'e-5 (Sample return)**

Launch site: [Wenchang](#), China

Nov?? CZ-6 HY-3A Haiyang-3A

?? [Delta IV-H](#) NROL-82

?? [Atlas 5 551](#) AFSPC-8 (GSSAP 5, GSSAP 6)

?? Minotaur 1 NROL 111

?? [CZ-3B/G3](#) Tiantong-1 (03)

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

**Dec09.** [Soyuz-2-1B / Fregat](#) **Arktika-M No1**

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

**Dec11.** [Soyuz-2](#) [Progress MS 16](#)

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

**Dec15.** [Soyuz-2 ST](#) **Galileo-FOC FM23, Galileo-FOC FM24**

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

**Dec16.** [Falcon 9](#) **Sherpa-FX**

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

Dec?? Vega-C VV-18 ??

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

40

Dec?? [Soyuz-2 1B /Fregat-M](#) [Gonets](#) x 3 (No 30,31,32)

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

Dec?? [Soyuz-2 1B /Fregat-M](#) Tundra (Kupol) 4

?? [KZ-1A](#) GeeSat-1A; GeeSat-1B

?? ?? PACE

?? ?? EX-4



# Blog Gorana Hudeca

??	??	ACE
??	??	HyspIRI
??	Antares	IMAP/STP-05
??	<a href="#">Falcon H</a>	ViaSat 3
??	<a href="#">Atlas 5</a> 551	STP-03
??	<a href="#">Atlas 5</a> 551	AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))

?? Rocket v3.1 DARPA Launch Challenge 3  
 Launch site: [Pacific spaceport complex Alaska](#), USA

?? [Soyuz-2-1A/Fregat](#) 14F01 (Neutron)  
 Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

??	<a href="#">Soyuz-2-1V</a>	??
??	<a href="#">Soyuz-2-1B</a>	Pion
??	<a href="#">Soyuz-2-</a>	Razdan 1

?? CZ FY-4C Fengyun-4C

??	??	Hainan-1 (5)	
??	??	Hainan-1 (6)	
??	??	Sanya-1 (1)	20
??	??	Sanya-1 (2)	

?? CZ FY-3F Fengyun-3F (Batch 2)  
 ?? CZ FY-3 Fengyun-3 RM-2

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

?? [CZ-11](#) Fengtai Shaonian-02  
 ?? [CZ-2D](#) CAS 6  
 ?? CZ CBERS-SAR 1  
 ?? CZ-4C FY-3E Fengyun-3E  
 ?? CZ-2C Yaogan Weixing-30 Group-07 'Chuangxin-5 (19/21)

?? ?? EX-3

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

?? [GSLV](#) GSAT - 32

?? [PSLV](#) ScatSat, NovaSAR

?? [PSLV](#) EnMap

?? [H-IIA](#) Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)  
 ?? [H-IIA](#) 204 Inmarsat-6 F1  
 ?? [H-IIA](#) JDRS-1

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



# Blog Gorana Hudeca

59 + 109

2021.

?? [Ariane 5](#) ECA GSAT-20  
 ?? [Falcon 9](#) GPS IIIA-5

**Feb25.** [Falcon 9](#) FT [Dragon SpX-22](#)

Feb?? [Falcon 9](#) GPS IIIA-6  
 Feb?? [Falcon H](#) AFSPC-44  
 Feb?? [Soyuz-2 B/Fregat](#)-MT OneWeb smalsat (x34)  
 Feb?? [Antares](#) 230 [Cygnus](#) OA-15  
 Feb?? [Falcon 9](#) SARah 1  
 Feb?? [PSLV](#) Amazonia

?? [Electron](#)/Photon CAPSTONE (Cislunar Autonomous Positioning System Technology Operations and Navigation Experiment  
 Launch site: [Wallops Island](#), USA

?? - inaugural flight - Vega-C VV-19 Lares 2  
 Launch site: [Kourou](#), French Guiana

?? [Ariane 5](#) Arsat 3  
 ?? [Ariane 5](#) ViaSat-3 Asia  
 ?? [Ariane 5](#) ECA EDRS-D  
 ?? [CZ-3B/G3](#) FY-4B Fengyun-4B

**Mar19.** [Soyuz-2](#) [Progress MS 17](#)

**Mar30.** [Falcon 9](#) [Dragon v2 \(USCV-2\)](#)  
 Cdr: Shane **Kimbrough**, Megan **McArthur**, Akihiko **Hoshide**, Thomas **Pesquet**

Mar?? [Atlas 5](#) 411 SBIRS-GEO 5 120  
 Mar?? [Soyuz-2 B/Fregat](#)-MT OneWeb smalsat (x32)  
 Mar?? [GSLV](#) MK II Chandrayan-3

?? [Atlas 5](#) 402 CST 100 Starliner  
 Cdr: John **Cassada**, Sunita **Williams**

?? Vega-C VV-20 Pleiades Neo 1, Pleiades Neo 2  
 Launch site: [Kourou](#), French Guiana

?? 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).

**Apr08.** [Atlas 5](#) **Landsat 9**

**Apr10.** [Soyuz-2-1A](#) [Soyuz MS 18](#)  
 CDR: Олѐг Викторович **Новицкий** (Oleg **Novitsky**), Пѐтр Валерьевич **Дубров** (Pyotr **Dubrov**), Андрей Иванович **Борисенко** (Andrei Ivanovich **Borisenko**)

Apr?? [Atlas 5](#) 422 (AV083) CST-100 Starliner



# Blog Gorana Hudeca

CDR: Michael **Fincke**, Chris **Ferguson**, Nicole Aunapu **Mann**

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

Apr?? [Falcon 9](#) IXPE (Imaging X-ray Polarimetry Explorer)

?? [Soyuz-2](#) 1B /[Fregat](#)-M Resurs N°4

May?? [Proton-M](#) MLM

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

?? [CZ-5B](#) Y2 Tian He Space Station Core Module

?? [Ariane 5](#) ViaSat 3 EMEA

?? Ariane 62 Galileo-FOC FM23, Galileo-FOC FM24

**June22.** [Falcon 9](#) **DART (Double Asteroid Redirection Test)**

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?? [Angara](#) 1.2 Kompsat-6

June?? [Falcon 9](#) FT [Dragon](#) SpX-23

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)

?? CZ-2F/G SZ-12 Shenzhou-12 100

?? Ariane 62 Galileo-FOC FM25, Galileo-FOC FM26

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 5

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 6

?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass M / 61

?? [Soyuz-2](#) 1A [Bars-M](#) 4

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

?? [Soyuz-2](#)-1V ??

?? [Soyuz-2](#)-1V ??

?? [Angara](#) 1.2 Kosmos

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

July?? [Vega](#) C Biomass

July?? GSLV-Mk III. Gaganyaan-2

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

?? CZ-2F/G SZ-13 Shenzhou-13

**Aug12.** [Falcon 9](#) [Dragon v2](#) USCV-3 (US Commercial Vehicles)

CDR: Lindgren, ??(NASA), ??(RF)

Aug?? [Soyuz-2](#) [Progress MS](#) 18

Sep?? [Soyuz-2](#)-1A [Soyuz MS](#) 19

CDR: Антон Николаевич **Шкаплеров** (Anton Nikolaevich **Shkaplerov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**), xx

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

Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1 80



# Blog Gorana Hudeca

??	<a href="#">Delta IV-H</a>	NROL-91	
<b>Oct01.</b>	<b><a href="#">Soyuz-2 1a / Fregat</a></b>	<b>Luna 25 (Luna-Glob-1)</b>	
Launch site: Восточный ( <a href="#">Vostochniy</a> ) Cosmodrome, Russia			
<b>Oct16.</b>	<b><a href="#">Atlas 5 401</a></b>	<b>Lucy</b>	
<b>Oct31.</b>	<b><a href="#">Ariane 5 ES</a></b>	<b>JWST (James Webb Space Telescope)</b>	
Oct??	<a href="#">Atlas 5 401</a> / <a href="#">Falcon 9</a> v1.1	JPSS Free Flyer 2 (TSIS-2)	
Oct??	Ariane 62	CSO-3	
Oct??	<a href="#">Antares 230</a>	<a href="#">Cygnus</a> OA-16	
??	<a href="#">Soyuz-2 1B</a>	Progress M-UM	
??	<a href="#">Falcon 9</a>	PACE	
Nov??	SLS-1	Artemis-1	Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
Nov??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 19</a>	
Dec??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 20</a>	
CDR: Александр Александрович <b>Мисуркин</b> (Alexander Alexanderovich <b>Misurkin</b> ), <b>xx,yy</b>			
Dec??	<a href="#">Vega C</a>	KOMPSAT 7	
Dec??	GSLV-Mk III.	Gaganyaan-3	
Dec??	<a href="#">Falcon 9</a>	NROL-85	Intruder 13A713B
Dec??	<a href="#">Falcon 9</a>	NROL-87	
??	<a href="#">Ariane 5</a>	MTG-I1	
??	<a href="#">Atlas 5 552</a>	Dream Chaser Cargo System SNC-2	
??	<a href="#">Atlas 5 551</a>	Asteroid Retrieval Spacecraft (ARS)	60
??	??	Seosat-Ingenio-2	
??	<a href="#">Vega</a>	OpSis	
??	<a href="#">Vega C</a>	CERES (x3)	
??	<a href="#">Vega</a>	SSMS – 2 (Small Spacecraft Mission Service)	
??	<a href="#">Vega</a>	Proba 3	
??	<a href="#">Vega C</a>	Cosmo-SkyMed Secon Gen 2	CSG-2
??	<a href="#">Falcon 9</a>	GPS IIIA-7	
??	<a href="#">Falcon 9</a>	GPS IIIA-8	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Transformable Modul	TM
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	
??	<a href="#">Proton-M/Briz-M</a>	Elektro L – 4	
??	<a href="#">Proton-M/Briz-M</a>	Space Drone x2	
??	<a href="#">Proton-M/Briz-M</a>	Inmarsat-6 F2	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
??	<a href="#">Soyuz-2 1A</a>	Energiya-100	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-4	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Smotr R №1	



# Blog Gorana Hudeca

??	<a href="#">Proton-M/Briz-M</a>	IntelSat	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 2	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Kondor-FKA n.º 2	40
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Resurs N°5	
??	<a href="#">Angara A5/ Briz-M</a>	Luch 5M	
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Glonass K1 / 17	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 13	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-3	
??	<a href="#">Soyuz-2-1A/Fregat-M</a>	<a href="#">Gonets</a> x 6	
??	<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	
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Kondor-FKA n.º 1	
??	<a href="#">Soyuz-2-1B</a>	Obzor R -1	
??	??	Zond	
??	??	MKA PN6 (Monika)	
??	??	Картограф-ОЭ N°1	
??	<a href="#">Zenit 3 SL /Fregat-SB</a>	Lybid'	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
??	<a href="#">Soyuz ST B/Fregat</a> (VS26)	OneWeb smalsat (x34)	
Launch site: <a href="#">Kourou</a> , French Guiana			
??	<a href="#">Soyuz-2 B/Fregat</a>	OneWeb smalsat (x36)	
Launch site: Восточный ( <a href="#">Vostochniy</a> ) Cosmodrome, Russia			
??	<a href="#">Soyuz-2 B/Fregat</a>	OneWeb smalsat (x34)	20
??	<a href="#">Soyuz-2 B/Fregat</a>	OneWeb smalsat (x36)	
??	<a href="#">Soyuz-2B/Fregat</a>	OneWeb smalsat (x36)	
??	<a href="#">Soyuz-2 B/Fregat</a>	OneWeb smalsat (x36)	
??	<a href="#">Soyuz-2 B/Fregat</a>	OneWeb smalsat (x34)	
??	<a href="#">Soyuz-2 B/Fregat</a>	OneWeb smalsat (x34)	
??	<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-2 B/Fregat-MT</a>	OneWeb smalsat (x32)	
??	Ariane 62	OneWeb	
Launch site: <a href="#">Kourou</a> , French Guiana			
??	<a href="#">Vega C</a> CNES/UAE Mars mission		
??	<a href="#">Vega-C</a> Pleiades Neo 3, Pleiades Neo 4		





# Blog Gorana Hudeca

??	<a href="#">CZ-3B/G2</a>	TCSTAR 1
??	CZ	Venus Global Sensing Probe
??	CZ	FY-3G Fengyun-3G (Batch 2)
??	??	Sansha-1 (1)
??	??	Sansha-1 (2)
??	CZ-4B	HY-3B Haiyang-3B

137

## 2022.

Jan??	??	Solar Sentinels
Jan??	<a href="#">PSLV</a> XL	<a href="#">Aditya'</a>
??	<a href="#">CZ-5</a> B	Wentian Lab module Space station module

**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.

Mar??	<a href="#">Atlas 5</a>	NROL-107 Silentbaker
Mar??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 20</a>
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-14 Shenzhou-14

Apr?? [Soyuz-2-1A](#) [Soyuz MS 21](#)  
CDR: Николай **Чуб** (Nikolai Aleksandrovich **Chub**),

Apr??	<a href="#">CZ-3B/G2</a>	LTSAT (Nicasat 1)
??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	<a href="#">CZ-5</a> B	Mengtian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15

## May20. [Ariane 5ECA](#) **JUICE (JUper ICy moon Explorer)**

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

June??	Ariane 5	MTG-I2
June??	<a href="#">Atlas 5</a> 402	USCV-4 (US Commercial Vehicles)
??	SLS-1	Artemis-2 Orion (manned trip around the Moon)
July??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 21</a>
??	Sunkar ??	

Aug?? [Proton-M/Briz-M](#) ExoMars (CM+DM) 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.  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan



# Blog Gorana Hudeca

Aug??	H2B	Phobos sample return
Aug??	<a href="#">Atlas 5</a> 411	SBIRS-GEO 6
Oct??	<a href="#">Soyuz-2</a> -1A	<a href="#">Soyuz MS</a> 22
Cdr: Олег <b>Конonenko</b> (Oleg <b>Копonenko</b> ), Анна <b>Кикина</b> (Anna <b>Kikina</b> ),		
Oct??	<a href="#">Vega</a> C Biomass	
??	<a href="#">Soyuz-2</a> -1A	<a href="#">Soyuz MS</a> 23
Cdr: <b>Прокопьев</b> ,		
Nov??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 22
Dec??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	MetOp-SG B1
Dec??	<a href="#">Vega</a> C	FLEX (Fluorescence Explorer satellite)
Dec??	<a href="#">Delta IV</a> -H	NROL-68
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-5 (US Commercial Vehicles)
Dec ??	Soyuz 5 / DM	??
??	Sunkar Federatsia (unmaned)	
??	<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</a>	НЭМ-1
??	<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="#">Proton-M/Briz-M</a>	Yenisey A1
??	<a href="#">Proton-M/Briz-M</a>	Ямал-501
??	<a href="#">Proton-M/Briz-M</a>	Ямал-GK-1
??	<a href="#">Proton-M</a>	РТК NP
??	<a href="#">Proton-M/Briz-M</a>	Ekspress-RV1, Ekspress-RV2
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 4
??	<a href="#">Proton-M/Briz-M</a>	Anik G2V
??	<a href="#">Proton-M/Briz-M</a>	Luch-5VM 1
??	<a href="#">Proton-M/Briz-M</a>	Luch-5VM 2
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">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</a> -1B/ <a href="#">Fregat</a> -M	Resurs PM - 1
??	<a href="#">Ariane 5</a>	Moon's south pole samples return mission
??	<a href="#">Ariane 5</a>	Comsat NG 2 (Syracuse 4B)
??	Vega_CSpace Rider flight 1	
??	Vega_CSpace Rider flight 2	
??	<a href="#">Vega</a> C CryoSat FO	
??	CZ	Xuntian (Two Meter Space Telescope)
??	CZ	HY-3C Haiyang-3C



# Blog Gorana Hudeca

## 2023.

Jan??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 23
Apr??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 24
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-16 Shenzhou-16
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-6 (US Commercial Vehicles)
July??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 24
??	<a href="#">Ariane 5</a>	MTG-S2/Sentinel-4A
Oct??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 25
Nov??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 25
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-7 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
??	Sunkar Federatsia (unmaned 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="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 2
??	<a href="#">Vega</a> C Space Rider 3	
??	<a href="#">Vega</a> C Space Rider 4	
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	Sentinel-1C
??	CZ	SPORT (Solar Polar Orbit Radio Telescope)
??	CZ	FY-4D Fengyun-4D
??	CZ	Chang'e-7 (Moon south pole landing)
??	CZ-3B/G2	Palapa N1R
??	<a href="#">GSLV</a> MK III	Shukrayaan (Venus orbiter)
??	<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



# Blog Gorana Hudeca

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

## 2024

Jan?? [Soyuz-2](#) [Progress MS](#) 26

Feb?? [Delta IV-H](#) NROL-70

Mar?? [Soyuz-2](#) [Progress MS](#) 27

Apr?? [Soyuz-2](#)-1A [Soyuz MS](#) 26

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

?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)

Sep?? [GSLV](#) MK III Mangalyaan – 2 Mars Orbiter

Oct?? [Soyuz-2](#)-1A [Soyuz MS](#) 27

Oct?? EELV GOES-U

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

?? SLS-1 Artemis-3 Orion (EM-3 Crew to Gateway with landing on Moon)

?? Sunkar Federatsia (Light 14t – 2 man to ISS)

?? [Proton-M](#) / DM-03 Spektr - UF

?? [Soyuz-2](#)-1B/[Fregat](#)-M Resurs PM - 4

?? [Angara](#) 1.2 [Gonets](#) x 2, Gonets M

?? [Soyuz-2](#)-1B/[Fregat](#)-M Arktika M 4

?? Ямал GK VEO 1

?? [Soyuz-2](#)-1A Obzor P -1

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

?? [Soyuz-2](#)-1B/[Fregat](#)-M Meteor M No2-6

?? ?? DYNAMIC/STP-06

?? CZ Asteroid (Ceres) Sample Return Mission

?? [CZ-5](#) Chang'e-6 Moon polar area sample return

?? Lapan Pengorbitan-1 (RPS-01) (Indonesia)

## 2025

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

?? SLS-1B Artemis-4 Orion (EM-4 Crew to Gateway with landing on Moon)

Aug?? [Soyuz-2](#) 1b Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover

Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-11 (US Commercial Vehicles)



# Blog Gorana Hudeca

??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 28</a>
??	SLS Block I	Europa Clipper
??	<a href="#">Soyuz-2 1b</a>	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 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

## 2026.

June??	<a href="#">Atlas 5 402 / Falcon 9</a>	USCV-12 (US Commercial Vehicles)
Dec??	<a href="#">Atlas 5 402 / Falcon 9</a>	USCV-13 (US Commercial Vehicles)
??June??	<a href="#">Angara A5P/KVTK</a>	A mission to Venus ( <i>Venera D</i> ) would be launched
??	SLS-1B Artemis-5	Orion (EM-5 Crew to Gateway with landing on Moon)
??	SLS-1B Artemis-6	Orion (EM-6 Crew to Gateway with landing on Moon)
??	CZ	Jupiter Orbiter
??	CZ	Mars Sample Return
??	CZ	Chang'e-8 (Moon north pole landing)
??	<a href="#">Angara A5/DM03</a>	Bumerang (FobosGrunt 2)

## 2027.

June??	<a href="#">Atlas 5 402 / Falcon 9</a>	USCV-14 (US Commercial Vehicles)
--------	--	----------------------------------

## 2069.

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