



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (19.10.2020.)

2020.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change on **19.Oct.2020**.

**Oct20. 2114UTC** [Electron](#) **F15** **Planet, Canon Electronics**

**??Oct20.** **CZ-6A** **Satellogic (1-13)**  
Launch site: [Taiyuan](#), China

**Oct21. 1636UTC** [Falcon 9](#) **Starlink L14**  
Launch site: [Cape Canaveral](#), USA

**Oct?? 0200UTC** [Delta IV-H](#) **NROL-44**  
Launch site: [Cape Canaveral](#), USA

**Oct25.** [Soyuz-2-1B/Fregat-M](#) **Glonass K1 / 15L**  
Launch site: [Плесецк \(Plesetsk\)](#) Cosmodrome, Russia

**Oct29.** [H-IIA](#) **JDRS-1**

**Oct29.** [CZ-3B/G3](#) **Tiantong-1 (02)**  
Launch site: [Xichang](#), China

**Oct31.** **CZ-6 LC-16 – Qilu-1, Qilu-4**  
Launch site: [Taiyuan](#), China

**Oct?? 0100UTC** [Falcon 9](#) **GPS IIIA-4**  
Launch site: [Cape Canaveral](#), USA

**??** [Soyuz-2 B /Fregat-M](#) **CAS500-1; +**  
**??** [Soyuz-2 1A](#) **[Bars-M](#) 3**

**Nov03.** **CZ-6 (Y5)** **QI-1; QL-4**  
Launch site: [Taiyuan](#), China

**Nov06.** [Falcon 9](#) **SiriusXM SX7**  
Launch site: [Cape Canaveral](#), USA

**Nov08.** [PSLV \(C49\)](#) **RISAT-2BR2 + 4 Kleos + 4 Spiresats**  
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

**Nov10.** **1945UTC** [Falcon 9](#) **Jason – Sentinel 6A Michael Freilich**  
Launch site: [Cape Canaveral](#), USA

**Nov12. 0200UTC** [Falcon 9](#) [Dragon v2 \(USCV-1\)](#)  
Cdr: Michael **Hopkins**, Victor **Glover**, Soichi **Noguchi**, Shannon **Walker**  
Launch site: [Cape Canaveral](#), USA **60**

**Nov14.** [Vega](#) **VV-17 Seosat (Ingenio), TARANIS**  
Launch site: [Kourou](#), French Guiana

**Nov15.** [Falcon 9](#) [Dragon](#) **SpX-21**



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

**Nov16.** [Soyuz-2 1B /Fregat-M](#) [Gonets x 3 \(No 30,31,32\)](#)

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

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

Launch site: [Wenchang](#), China

**Nov24.** [Angara A5](#) **Kosmos**

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

**Nov30.** [Falcon 9](#) **Turksat 5A**

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

Nov?? Firefly Alpha first flight

Launch site: [Vandenberg](#), USA

Nov?? GX-1 Gushenxing-1 (Ceres-1) ??Two small satellites

Launch site: [Jiuquan](#), China

Nov?? [Soyuz-2](#) ST A (VS24) Falcon Eye 2

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

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

Nov?? [Electron](#) F16 STP 27R

Nov?? [Falcon 9](#) [Starlink L15](#)

Nov?? [Atlas 5](#) 531 NROL-101

Nov?? [Falcon 9](#) NROL-108

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

?? [KZ-1A](#) Jilin-1, Gaofen-02F

?? CZ-4C Gaofen-3 (02)

?? CZ-6 2m resolution multispectral satellite

?? [CZ-3B/](#) Yaogan Weixing-30 Group-07

**Dec14.** [Soyuz-2](#) ST / [Fregat](#) (VS25) CSO-2

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

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**Dec15.** [Falcon 9](#) **SpaceX Transporter-1**

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

**Dec17.** [Soyuz-2](#) B/[Fregat](#)-MT **OneWeb smalsat (x36)**

**Dec20.** **CZ-8** **Taihu -1**

Dec?? SSLV D1 Microsat 2A

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

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

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

Dec?? [PSLV](#) XL (C50) GSAT 12R

?? Cosmic Girl / LauncherOne Launch 3 ELaNaXX

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

?? ?? PACE



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??	??	EX-4	
??	??	ACE	
??	??	HyspIRI	
??	Antares	IMAP/STP-05	
??	<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	20

?? CZ FY-4C Fengyun-4C

?? ?? 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

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

?? [CZ-11](#) Fengtai Shaonian-02  
 ?? [CZ-2D](#) CAS 6  
 ?? CZ CBERS-SAR 1  
 ?? CZ-4C FY-3E Fengyun-3E  
 ?? CZ CBERS-6  
 ?? [KZ-1A](#) GeeSat-1A; GeeSat-1B

?? ?? EX-3  
 ?? JL-1 (Y2) Yizheng-1, Yizheng-2 two 0,9 m resolution satellites  
 ?? ?? Xidian -1

?? CZ-11 CAS-5A, CAS-5B, CAS-7A, CAS-/C  
 Launch site: [Jiuquan](#), China

?? [Safir 1 B](#) Nahid-1  
 Launch site: [Semnan](#), Iran

73 + 75

## 2021.

**Jan04.** [Atlas 5](#) 422 (AV082) CST-100 Starliner unmaned test



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Jan?? Shuang Quxian-1 **SQX-1** (Y2) Fangzhou-2  
Launch site: [Jiuquan](#), China

Jan?? [Vega](#) VV-18 **Pleiades Neo 1**

?? [Soyuz-2](#) [Progress MS 16](#)  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

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

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

**Feb28.** [Falcon H](#) **AFSPC-44**

Feb?? [Soyuz-2](#)-1B / Fregat Arktika-M No1  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Feb?? [Antares](#) 230 [Cygnus](#) OA-15  
Feb?? [Falcon 9](#) SARah 1  
Feb?? [Ariane 5](#) ECA Eutelsat Quantum / Star One D2

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

?? [Falcon 9](#) SiriusXM SX8  
Launch site: [Cape Canaveral](#), USA

?? [Ariane 5](#) Arsat 3 **140**  
?? [Ariane 5](#) ViaSat-3 Asia  
?? [Ariane 5](#) ECA EDRS-D  
?? [CZ-3B/G3](#) FY-4B Fengyun-4B  
?? SSLV D2 Demo 2  
?? [H-IIA](#) Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)  
?? [H-IIA](#) 204 Inmarsat-6 F1  
?? Minotaur 1 NROL 111

**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  
Mar?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
Mar?? [GSLV](#) MK II Chandrayan-3  
Mar?? [CZ-5B](#) Y2 Tian He Space Station Core Module  
**Mar??** [Atlas 5](#) 511 (**AV-085**) AFSPC-8 (GSSAP 5, GSSAP 6)

?? [GSLV](#) F10 GISAT 1  
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

?? [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).



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?? [Soyuz-2 ST](#) Galileo-FOC FM23, Galileo-FOC FM24  
Launch site: [Kourou](#), French Guiana

**Apr01.** [Soyuz-2-1A](#) [Soyuz MS 18](#)  
CDR: Олѐг Вікторович **Новіцкий** (Oleg **Novitsky**), Пѐтр Валерьевич **Дубров** (Pyotr **Dubrov**), Андрей Иванович **Борисенко** (Andrei Ivanovich **Borisenko**), ??Mark **Vande Hei**

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

**Apr20.** [Proton-M](#) **MLM**  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Apr?? [Falcon 9](#) IXPE (Imaging X-ray Polarimetry Explorer) **120**

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

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

?? [PSLV](#) Oceansat-3A  
?? [PSLV](#) RISAT\_1A  
?? [GSLV](#) MK II F12 GISAT -2  
?? [CZ-3B/G3](#) Tiantong-1 (03)  
?? [GSLV](#) GSAT - 32

?? [PSLV](#) ScatSat, NovaSAR

?? [PSLV](#) EnMap

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

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

?? [Ariane 5](#) ViaSat 3 EMEA  
?? Ariane 62 Galileo-FOC FM23, Galileo-FOC FM24  
?? [PSLV](#) Amazonia  
?? [PSLV](#) HRSAT  
?? [PSLV](#) Cartosat-3B  
?? [PSLV](#) IRNSS-1J

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

June?? [Atlas 5](#) 422 (AV083) CST-100 Starliner  
CDR: Michael **Fincke**, Chris **Ferguson**, Nicole Aunapu **Mann**  
Launch site: [Cape Canaveral](#), USA

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.  
**100**

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

?? Ariane 62 Galileo-FOC FM25, Galileo-FOC FM26  
?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 5





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??	<a href="#">Soyuz-2 1B</a> / <a href="#">Fregat</a> -M	Tundra (Kupol) 6	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Glonass M / 61	
??	<a href="#">Falcon 9</a>	GPS IIIA-6	
??	<a href="#">Soyuz-2 1A</a>	<a href="#">Bars-M</a> 4	
??	<a href="#">Angara</a> A5/ DM 03(Persei)	Kosmos	
??	<a href="#">Soyuz-2-1V</a>	??	
??	<a href="#">Soyuz-2-1V</a>	??	
??	<a href="#">Angara</a> 1.2	Kosmos	
July??	CZ-2F/G	SZ-12 Shenzhou-12	
July??	Vulcan/Minotaur 6/ <a href="#">Falcon 9</a> v1.1	JPSS-2	
July??	<a href="#">Vega</a> C	Biomass	
July??	GSLV-Mk III.	Gaganyaan-2	
??	Vega-C VV-20	Pleiades Neo 2	
Launch site: <a href="#">Kourou</a> , French Guiana			
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	EarthCare	
??	CZ-2F/G	SZ-13 Shenzhou-13	
<b>Aug12.</b>	<a href="#">Falcon 9</a>	<a href="#">Dragon v2</a> USCV-3 (US Commercial Vehicles)	
<b>CDR: Lindgren, ??(NASA), ??(RF)</b>			
Aug??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 18	
<b>Sep14.</b>	<a href="#">Soyuz-2 1B</a>	<b>Progress M-UM</b>	<b>80</b>
<b>Sep16.</b>	<a href="#">Atlas 5</a> 552	<b>Dream Chaser Cargo System SNC-1</b>	
Sep??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	MetOp-SG A1/EPS-SG-a/Sentinel-5A	
Sep??	<a href="#">Falcon 9</a>	SWOT	
Sep??	<a href="#">Falcon 9</a>	OHB SARah 2/3	
??	<a href="#">Delta IV</a> -H	NROL-91	
<b>Oct01.</b>	<a href="#">Soyuz-2 1a</a> / <a href="#">Fregat</a>	<b>Luna 25 (Luna-Glob-1)</b>	
Launch site: Восточный ( <a href="#">Vostochniy</a> ) Cosmodrome, Russia			
<b>Oct05.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 19	
CDR: Антон Николаевич <b>Шкаплеров</b> (Anton Nikolaevich <b>Shkaplerov</b> ), Андрей Николаевич <b>Бабкин</b> (Andrei <b>Babkin</b> ), Сергей Владимирович <b>Корсаков</b> (Sergei Vladimirovich <b>Korsakov</b> )			
<b>Oct16.</b>	<a href="#">Atlas 5</a> 401	<b>Lucy</b>	
<b>Oct31.</b>	<a href="#">Ariane 5</a> ES	<b>JWST (James Webb Space Telescope)</b>	
<b>Oct31.</b>	<a href="#">Angara</a> 1.2	<b>Kompsat-6</b>	
Oct??	<a href="#">Falcon 9</a>	<a href="#">Dragon v2</a> Axiom Crew Dragon	
Cdr: Michael <b>Lopez-Alegria</b> , Thomas <b>Cruise</b>			
Oct??	<a href="#">Atlas 5</a> 401/ <a href="#">Falcon 9</a> v1.1	JPSS Free Flyer 2 (TSIS-2)	
Oct??	Ariane 62	CSO-3	
Oct??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> OA-16	



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??	<a href="#">Falcon 9</a>	PACE	
<b>Nov17.</b>	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 19</a>	
Nov??	SLS-1	Artemis-1	Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
<b>Dec07.</b>	<a href="#">Atlas 5 541</a>	<b>GOES-T (National Security Space Launch program)</b>	
<b>Dec08.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 20</a>	
CDR: Александр Александрович <b>Мисуркин</b> (Alexander Alexanderovich <b>Misurkin</b> ), xx,yy			
Dec??	<a href="#">Atlas 5</a> 402	CST 100 Starliner	<b>1</b>
Cdr: Sunita <b>Williams</b> , Josh <b>Cassada</b> , Jeanette <b>Epps</b>			
Dec??	<a href="#">Vega</a> C KOMPSAT 7		
Dec??	GSLV-Mk III.	Gaganyaan-3	<b>60</b>
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</a> 552	Dream Chaser Cargo System SNC-2	
??	<a href="#">Atlas 5</a> 551	Asteroid Retrieval Spacecraft (ARS)	
??	<a href="#">Falcon H</a>	ViaSat 3	
??	??	Seosat-Ingenio-2	
??	<a href="#">Vega</a>	OpSis	
??	<a href="#">Vega</a> C	CERES (x3)	
??	<a href="#">Vega</a>	SSMS – 2 (Small Spacecraft Mission Service)	
??	<a href="#">Vega</a>	Proba 3	
??	<a href="#">Vega</a> C	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="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 4	
??	<a href="#">Soyuz-2</a> 1A	Energiya-100	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Meteor M No2-4	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Smotr R №1	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Arktika M 2	<b>40</b>
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Kondor-FKA n.º 2	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs №5	
??	<a href="#">Angara</a> A5/ <a href="#">Briz-M</a>	Luch 5M	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 17	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2 / 13	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Meteor M No2-3	
??	<a href="#">Soyuz-2</a> -1A/ <a href="#">Fregat</a> -M	<a href="#">Gonets</a> x 6	



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?? [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

?? [Soyuz-2-1B/Fregat-M](#) Kondor-FKA n.º 1  
 ?? [Soyuz-2-1B](#) Obzor R -1  
 ?? ?? Zond  
 ?? ?? MKA PN6 (Monika)  
 ?? ?? Картограф-ОЭ №1

?? [Soyuz ST B/Fregat](#) (VS26) OneWeb smalsat (x34)  
 Launch site: [Kourou](#), French Guiana

?? [Soyuz-2 B/Fregat](#) OneWeb smalsat (x36)  
 Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

?? [Soyuz-2 B/Fregat](#) OneWeb smalsat (x34) **20**  
 ?? [Soyuz-2 B/Fregat](#) OneWeb smalsat (x36)  
 ?? [Soyuz-2B/Fregat](#) OneWeb smalsat (x36)  
 ?? [Soyuz-2 B/Fregat](#) OneWeb smalsat (x36)  
 ?? [Soyuz-2 B/Fregat](#) OneWeb smalsat (x34)  
 ?? [Soyuz-2 B/Fregat](#) OneWeb smalsat (x34)

?? [Ariane 5](#) Heinrich Hertz  
 ?? [Ariane 5](#) SES-17  
 ?? [Ariane 5](#) Comsat NG 1 (Syracuse 4A)  
 ?? [Soyuz ST B/Fregat](#)-MT CSO 2 (Composante Spatiale Optique-2)

?? [Soyuz-2 B/Fregat](#)-MT OneWeb smalsat (x32)

?? Ariane 62 OneWeb  
 Launch site: [Kourou](#), French Guiana

?? [Vega C](#) CNES/UAE Mars mission  
 ?? [Vega-C](#) Pleiades Neo 3, Pleiades Neo 4

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

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

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2022.





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Jan?? ?? Solar Sentinels  
 Jan?? [PSLV](#) XL [Aditya'](#)

?? [CZ-5](#) 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.

**Mar18.** [Soyuz-2-1A](#) [Soyuz MS 21](#)  
 CDR: Николай **Чуб** (Nikolai Aleksandrovich **Chub**),

Mar?? [Atlas 5](#) NROL-107 Silentbaker  
 Mar?? [Soyuz-2](#) [Progress MS 20](#)  
 Mar?? [Proton-M/Briz-M](#) Angosat - 2

?? CZ7 TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)  
 ?? CZ-2F/G SZ-14 Shenzhou-14

Apr?? [CZ-3B/G2](#) LSTSAT (Nicasat 1)

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

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

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

June?? Ariane 5 MTG-I2  
 June?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

?? SLS-1 Artemis-2 Orion (manned trip around the Moon)

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

?? 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

Aug?? H2B Phobos sample return  
 Aug?? [Atlas 5](#) 411 SBIRS-GEO 6

Oct?? [Soyuz-2-1A](#) [Soyuz MS 22](#)  
 Cdr: Олег **Конonenko** (Oleg **Копonenko**), Анна **Кикина** (Anna **Kikina**),

Oct?? [Vega](#) C Biomass

?? [Soyuz-2-1A](#) [Soyuz MS 23](#)  
 Cdr: **Прокопьев**,



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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/Briz-M</a>	Elektro L - 4
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 5
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Smotr R №2
??	<a href="#">Soyuz-2</a> -	Razdan 2
??	<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
<b>2023.</b>		
Jan??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 23
Apr??	<a href="#">Soyuz-2</a> -1A	<a href="#">Soyuz MS</a> 24
	Cdr: Oleg <b>Artmeyev</b> , Mukhtar <b>Aymakhanov</b>	
??	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-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</a> -1A	<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)	



## 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 1.2</a>	<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 A5P/DM03</a>	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="#">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="#">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>	PTK NP
??	<a href="#">Proton-M/Briz-M</a>	Ekspress-RV1, Ekspress-RV2
??	<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="#">Ariane 5</a> VA254	MTG-S1/Sentinel-4A
Launch site: <a href="#">Kourou</a> , French Guiana		
??	<a href="#">Vega C</a> Space Rider 3	
??	<a href="#">Vega C</a> Space Rider 4	
??	<a href="#">Soyuz ST B/Fregat-MT</a>	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 A5P/DM03</a>	Luch 5 – 2
??	<a href="#">Soyuz-2-1b</a>	Bion-M No. 2
??	<a href="#">Angara A5P/DM03</a>	Luch 5 – 3
??	??	Ямал GK 2
??	<a href="#">Soyuz-2 1a / Fregat</a>	<a href="#">Luna 26</a> (Luna-Resurs OA)



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## 2024

Jan??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 26	
Feb??	<a href="#">Delta IV</a> -H		NROL-70
Mar??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 27	
Apr??	<a href="#">Soyuz-2</a> -1A	<a href="#">Soyuz MS</a> 26	
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>		USCV-8 (US Commercial Vehicles)
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)	
Sep??	<a href="#">GSLV</a> MK III		Mangalyaan – 2 Mars Orbiter
Oct??	<a href="#">Soyuz-2</a> -1A	<a href="#">Soyuz MS</a> 27	
Oct??	EELV	GOES-U	
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>		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)	
??	<a href="#">Proton-M</a> / DM-03		Spektr - UF
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Resurs PM - 4	
??	<a href="#">Angara</a> 1.2		<a href="#">Gonets</a> x 2, Gonets M
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Arktika M 4	
??	??		Ямал GK VEO 1
??	<a href="#">Soyuz-2</a> -1A		Obzor P -1
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Razdan - 3	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	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)	

## 2025

June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>		USCV-10 (US Commercial Vehicles)
??	SLS-1B Artemis-4	Orion (EM-4 Crew to Gateway with landing on Moon)	
Aug??	<a href="#">Soyuz-2</a> 1b	Luna 27 (Luna-Resurs PA)	Testing an adaptive landing mode with a radio-beacon; delivering a rover
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>		USCV-11 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)	



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??	<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)
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## 2069.

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