



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (9.3.2020.)

2020.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change on **09.Mar.2020**.

**Mar09. 1148UTC** [CZ-3B/YZ-1](#) [Beidou 3 G2Q](#)

Launch site: [Xichang](#), China

**Mar14. 1335UTC** [Falcon 9](#) **Starlink v1 Flight 5**

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

**Mar16. 0945UTC** [GSLV F10](#) **GISAT 1**

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India **160**

**Mar16. 1828UTC** [Soyuz-2-1B/Fregat](#) **Glonass M 60**

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

**Mar19. 1922UTC** [Atlas 5 551 \(AV-086\)](#) **AEHF-6**

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

**Mar21. 1707UTC** [Soyuz-2B/Fregat-MT](#) **OneWeb smalsat (x34)**

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

**Mar24. 0150UTC** [Vega \(VV16\)](#) **SSMS POC (Small Spacecraft Mission Service Proof Of Concept)**

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

**Mar26. [Electron](#)** **ElaNa; Andesite**

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

**Mar30. 2321UTC** [Falcon 9](#) **SAOCOM-1B, SAOCOM-1C**

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

**Mar31. [Proton-M/Briz-M](#)** **Ekspress 80, Ekspress 103**

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

Mar?? **Cosmic Girl / LauncherOne** **Test Launch**

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

Mar?? [CZ-2C](#) **Yaogan Weixing – 30 Group 6**

Launch site: [Xichang](#), China

Mar?? [CZ-11](#) **CX-6-1**

Launch site: [Xichang](#), China

**Mar??** **Rocket v3.0** **DARPA Launch Challenge 1**

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

Mar?? [Delta IV-](#) **DMSP-5D3 F20**

Mar?? [CZ-7A](#) **TJSW-6**

?? [KZ-1A](#) **Xingyun-2 (01,02)**

Launch site: [Jiuquan](#), China



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?? KZ-11 Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)  
Launch site: [Jiuquan](#), China

?? ?? EX-3  
?? [H-IIA](#) JDRS-1

**Apr05.** [PSLV \(C49\)](#) **RISAT-2BR2 + 4 Kleos + 4 Spiresats**  
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

**Apr09. 0804UTC Soyuz 2-1A [Soyuz MS 16 \(S63/64\)](#)**  
CDR: Анатолій Алексеевич **Иванішин (Ivanishin)**, Иван Викторович **Вагнер (Vagner)**, Christopher John **Cassidy**  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

**Apr10.** [Soyuz-2 ST \(VS25\)](#) **CSO-2**  
Launch site: [Kourou](#), French Guiana 140

**Apr25.** [Soyuz-2](#) [Progress MS 14](#)  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

**Apr29. 1100UTC [Falcon 9](#) **GPS IIIA-3****  
Launch site: [Cape Canaveral](#), USA

Apr?? Firefly Alpha first flight  
Launch site: [Vandenberg](#), USA

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

Apr?? Minotaur IV NROL 129  
Launch site: [Wallops Island](#), USA

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

Apr?? [Soyuz-2 B \(VS24\)](#) Falcon Eye 2  
Launch site: [Kourou](#), French Guiana

Apr?? CZ-5B Y1 New generation manned spacecraft  
Apr?? [CZ-3B/](#) Palapa 1N

?? [Falcon 9](#) **Starlink v1 Flight 6**

**May07.** [Falcon 9 \(SPx-DM2\)](#) [Dragon v2](#)  
CDR: Robert **Benkhen**, Doug **Hurley**  
Launch site: [Cape Canaveral](#), USA

May?? [H-2B \(F10\)](#) [HTV9](#)  
May?? ??CZ-8 Taihu -1  
May?? [Atlas 5](#) 551 AFSPC-7 (X-37B OTV 6)  
May?? [PSLV](#) C51 RISAT\_1A  
May?? [CZ-3B/YZ-1](#) [Beidou 3](#) G3Q  
May?? [Soyuz-2-1B/Fregat-M](#) Glonass K1 / 15L  
May?? [Electron](#) **Capella Whitney**



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?? [Atlas 5](#) 422 (AV082) CST-100 Starliner unmaned test  
 ?? CZ-2F/G ?Experimental Spaceplane 120

?? [Falcon 9](#) Anasis II

**June3.** [Ariane 5](#) VA253 **Galaxy 30 / MEV-2**  
 Launch site: [Kourou](#), French Guiana

**June20.** [Vega](#) **Seosat (Ingenio), TARANIS**  
 Launch site: [Kourou](#), French Guiana

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

June?? [Delta IV-H](#) NROL-44  
 June?? [PSLV](#) (C50) Oceansat-3A  
 June?? [Soyuz-2B/Fregat](#)-MT OneWeb smalsat (x36)

?? ?? Xidian -1  
 ?? [Angara](#) A5/ Briz M Kosmos  
 ?? [Soyuz-2-1B/Fregat](#)-M Glonass K2 / 13  
 ?? [Soyuz-2-1B/Fregat](#)-M Glonass M / 61  
 ?? SSLV D2 Demo 2  
 ?? [CZ-3B/G3](#) [Tiantong-1 \(02\)](#)

**July16** **Ariane 62** **OneWeb**

**July17. 1300UTC** [Atlas 5](#) (541) [Mars 2020 rover](#)

**July23.** [CZ-5](#) Y4 [Mars probe](#) (orbiter + lander + rover)

**July25.** [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

July?? CZ-6A Satellogic (1-13)  
 July?? [GSLV](#) MK II F12 GISAT -2  
 July?? [H-IIA](#) [Hope](#) (UAE mission to Mars) 100

?? [Falcon 9](#) SiriusXM SX7  
 ?? [PSLV](#) Cartosat-3B  
 ?? [PSLV](#) IRNSS-1J  
 ?? [Ariane 5](#) MTG-S1/Sentinel-4A

**Aug20.** [Soyuz-2](#) **Progress MS 15**  
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Aug?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
 Aug?? [Falcon 9](#) GPS IIIA-4  
 Aug?? [PSLV](#) HRSAT

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

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



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Sep?? CZ CBERS-6  
 Sep?? [Falcon 9](#) GPS IIIA-5  
 Sep?? ?? GOES-T (National Security Space Launch program)  
 Sep?? [Atlas 5](#) 531 NROL-101  
 Sep?? [Soyuz-2](#) 1B / [Fregat](#)-M [Gonets](#) x 3 (No 27,28,29)  
 Sep?? [PSLV](#) Amazonia  
 Sep?? [Soyuz-2](#) B / [Fregat](#)-M CAS500-1; +  
 Sep?? - inaugural flight - Vega-C Lares 2

?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass K2 / 17  
 ?? [Ariane 5](#) ECA GSAT-20 80

**Oct14. Soyuz 2-1A Soyuz MS 17 (S63/64)**  
 CDR: ??, ??, Stephen **Bowen**  
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

**Oct20. Falcon 9 FT Dragon SpX-21**  
 Launch site: [Cape Canaveral](#), USA

**Oct30. Antares 230 Cygnus OA-14**  
 Launch site: [Wallops Island](#), USA

Oct?? JL-1 Hainan-1 (4)  
 ?? [Falcon 9](#) SARah 1  
 ?? [Falcon 9](#) SiriusXM SX8  
 ?? [Ariane 5](#) ECA Eutelsat Quantum / Star One D2

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

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

?? [CZ-3B/E](#) Apstar-6D  
 Launch site: [Xichang](#), China

?? [Delta IV](#)-H NROL-82  
 ?? [Atlas 5](#) 551 AFSPC-8 (GSSAP 5, GSSAP 6)  
 ?? Minotaur 1 NROL 111  
 ?? Vega-C Pleiades Neo 1, Pleiades Neo 2  
 ?? [CZ-3B/G3](#) [Tiantong-1 \(03\)](#)

**Dec04. CZ-5 Y5 Chang'e-5 (Sample return)**

**Dec09. Soyuz-2-1B / Fregat Arktika-M**  
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

**Dec11. Soyuz-2 Progress MS 16**  
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Dec?? [Proton-M](#) MLM  
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan



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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). **60**

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

?? [Angara](#) A5/ DM 03(Persei) Kosmos  
 ?? [Falcon 9](#) FT [Dragon](#) SpX-22

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

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

?? [Atlas 5](#) 551 STP-03  
 ?? [Atlas 5](#) 551 AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))

?? Rocket v3.0 DARPA Launch Challenge 2  
 Launch site: [Pacific spaceport complex Alaska](#), USA

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

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

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 5  
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 6

?? [Soyuz-2](#) 1A [Bars-M](#) 4  
 ?? [Soyuz-2](#)-1B Pion  
 ?? [Soyuz-2](#)- Razdan 1 **40**  
 ?? [Soyuz-2](#)-1V ??  
 ?? [Soyuz-2](#)-1V ??  
 ?? [Soyuz-2](#)-1V ??  
 ?? [Angara](#) 1.2 Kosmos

?? [Soyuz-2](#)-/[Fregat](#)-MT OneWeb smalsat (x34)  
 ?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x34)  
 ?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x34)  
 ?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x34)  
 ?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

?? [Ariane 5](#) Arsat 3  
 ?? [Ariane 5](#) ViaSat-3 Asia  
 ?? [Ariane 5](#) ECA EDRS-D

?? CZ FY-4C Fengyun-4C  
 ?? CZ HY-3B Haiyang-3B



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??	??	Hainan-1 (5)	
??	??	Hainan-1 (6)	
??	??	Sanya-1 (1)	
??	??	Sanya-1 (2)	
??	??	Gaofen-5 (2)	
??	CZ	FY-3F Fengyun-3F (Batch 2)	20
??	CZ	FY-3 Fengyun-3 RM-2	
??	<a href="#">CZ-2D</a>	SJ-19 Shijan-19	
??	CZ-11	<a href="#">CAS-4A, CAS-4B</a>	
Launch site: <a href="#">Taiyuan</a> , China			
??	CZ	FY-4B Fengyun-4B	
??	<a href="#">CZ-2C</a>	HY-1D Haiyang-1D	
??	<a href="#">CZ-4B</a>	HY-2C Haiyang-2C	
??	<a href="#">CZ-11</a>	Fengtai Shaonian-02	
??	<a href="#">CZ-2D</a>	CAS 6	
??	CZ	CBERS-SAR 1	
??	CZ-4C	FY-3E Fengyun-3E	
??	<a href="#">GSLV</a> MK II F11	GSAT-10A	
Launch site: <a href="#">Satish Dhawan Space Centre</a> , Sriharikota, India			
??	<a href="#">GSLV</a>	GSAT - 32	
??	<a href="#">PSLV</a>	ScatSat, NovaSAR	
??	<a href="#">PSLV</a>	EnMap	
??	<a href="#">PSLV</a> XL	<a href="#">Aditya'</a>	
??	<a href="#">H-IIA</a>	Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)	
??	<a href="#">H-IIA</a> 204	Inmarsat-6 F1	
??	<a href="#">Safir 1 B</a>	Tadbir	
??	Safir 3A	Pars sepher	

16 + 162

## 2021.

**Jan14.**      [Atlas 5](#)      **Landsat 9**

Jan??      [Falcon 9](#)      [Dragon v2](#) (USCV-1)  
 Cdr: Victor **Glover**, Mike **Hopkins**, Soichi **Noguchi**

Feb??      [Falcon 9](#)      GPS IIIA-6  
 Feb??      [Falcon H](#)      AFSPC-44  
 Feb??      [Soyuz-2](#) B/[Fregat](#)-MT      OneWeb smalsat (x34) **100**

??      [GSLV](#) MK II      Chandrayan-3



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

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

Mar?? [Atlas 5](#) 411 SBIRS-GEO 5  
Mar?? [Soyuz-2](#) [Progress MS](#) 17  
Mar?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

Apr?? [Soyuz-2](#)-1A [Soyuz MS](#) 18  
Cdr: Сергей Николаевич **Рыжиков**, Сергей Владимирович **Кудь-Сверчков**, **Kathleen Rubins**

Apr?? Ariane 62 Galileo-FOC FM23, Galileo-FOC FM24  
Apr?? [Falcon 9](#) IXPE (Imaging X-ray Polarimetry Explorer)

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

May?? [Soyuz-2](#) [Progress MS](#) 18  
May?? [Antares](#) 230 [Cygnus](#) OA-15

?? [CZ-5B](#) Y2 Tian He Space Station Core Module  
?? CZ-2F/G SZ-13 Shenzhou-13

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)  
June?? [Angara](#) 1.2 Kompsat-6  
June?? [Falcon 9](#) FT [Dragon](#) SpX-23  
June?? [Atlas 5](#) 402 USCV-2 (US Commercial Vehicles)

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle) **80**  
?? CZ-2F/G SZ-12 Shenzhou-12

?? [Soyuz-2](#) [Progress MS](#) 19  
?? 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

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

?? [Delta IV](#)-H NROL-91

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



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Oct??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 19</a>	
CDR: Олэг Вікторович <b>Новіцкий</b> , Пётр Валерьевич <b>Дубров</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	
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 20</a>	
??	<a href="#">Soyuz-2</a> 1B	Progress M-UM	60
??	<a href="#">Falcon 9</a>	PACE	
Dec??	<a href="#">Falcon 9</a>	<a href="#">Dragon v2</a> USCV-3 (US Commercial Vehicles)	
CDR: <b>Lindgren</b> , ??(NASA), ??(RF)			
Dec??	<a href="#">Vega</a> C 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	
??	SLS-1	Artemis-1	Orion (unmanned trip around the Moon) Exploration Mission 1
(Distant Retrograde Orbit (DRO) Tactical DRM)			
??	<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)	
??	??	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="#">Soyuz-2</a>	<a href="#">Progress MS 20</a>	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat-M</a>	Transformable Modul	TM
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	40
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Elektro L – 4	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Space Drone x2	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Inmarsat-6 F2	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Kosmos	
??	<a href="#">Soyuz-2</a> 1A	Energiya-100	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat-M</a>	Meteor M No2-4	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat-M</a>	Smotr R №1	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	IntelSat	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat-M</a>	Arktika M 2	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat-M</a>	Kondor-FKA n.º 2	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat-M</a>	Resurs №5	
??	<a href="#">Angara</a> A5/ <a href="#">Briz-M</a>	Luch 5M	





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??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Glonass K1 / 16	
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Glonass K1 / 17	
??	<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	20
??	<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 №1	
??	<a href="#">Zenit 3 SL /Fregat-SB</a>	Lybid'	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
??	<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)	
??	<a href="#">Vega C</a>	CNES/UAE Mars mission	
??	<a href="#">Vega-C</a>	Pleiades Neo 3, Pleiades Neo 4	
??	<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)	

105

## 2022.

Jan??	??	Solar Sentinels
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 21</a>
??	<a href="#">CZ-5 B</a>	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.



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Mar??	<a href="#">Atlas 5</a>	NROL-107 Silentbaker
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-14 Shenzhou-14
Apr??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 21</a>
CDR: ??Николай Владимирович <b>Тихонов (Nikolai Tikhonov)</b> , Андрей Николаевич <b>Бабкин (Andrei Babkin)</b> ,		
Apr??	<a href="#">CZ-3B/G2</a>	LSTSAT (Nicasat 1)
??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	<a href="#">CZ-5 B</a>	Mengtian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15
<b>May20.</b>	<b><a href="#">Ariane 5ECA</a></b>	<b>JUICE (JU)piter (ICy moon Explorer)</b>
<b>June04.</b>	<b>SLS Block I</b>	<b>Orion: Exploration Mission 2 (Crew to Cislunar) Mission)</b>
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)
??	Sunkar ??	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 20</a>
Aug??	H2B	Phobos sample return
Aug??	<a href="#">Atlas 5</a> 411	SBIRS-GEO 6
Oct??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 22</a>
Oct??	<a href="#">Vega</a> C Biomass	
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 23</a>
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)
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="#">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</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



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?? [Proton-M/Briz-M](#) Ямал-501  
 ?? [Proton-M/Briz-M](#) Ямал-GK-1  
 ?? [Proton-M](#) PTK NP  
 ?? [Proton-M/Briz-M](#) Ekspress-RV1, Ekspress-RV2  
 ?? [Proton-M/Briz-M](#) Ekspress AMU 4

?? [Proton-M/Briz-M](#) Anik G2V  
 ?? [Proton-M/Briz-M](#) Luch-5VM 1  
 ?? [Proton-M/Briz-M](#) Luch-5VM 2

?? [Soyuz-2-1B/Fregat-M](#) Smotr R №2  
 ?? [Soyuz-2-](#) Razdan 2  
 ?? [Proton-M/Briz-M](#) Elektro L - 5  
 ?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 1

?? [Ariane 5](#) Moon's south pole samples return mission  
 ?? [Ariane 5](#) Comsat NG 2 (Syracuse 4B)

?? Vega\_CSpace Rider flight 1  
 ?? Vega\_CSpace Rider flight 2  
 ?? [Vega](#) C CryoSat FO

?? CZ Xuntian (Two Meter Space Telescope)  
 ?? CZ HY-3C Haiyang-3C

## 2023.

?? [Soyuz-2](#) [Progress MS](#) 22

Apr?? [Soyuz-2-1A](#) [Soyuz MS](#) 24

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

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

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

Oct?? [Soyuz-2-1A](#) [Soyuz MS](#) 25

Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (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](#) Ekspress – AT3, AT4  
 ?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 3  
 ?? [Angara](#) 1.2 [Gonets](#) x 3



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??	<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="#">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)
??	<a href="#">GSLV MK III</a>	Shukrayaan (Venus orbiter)
??	<a href="#">Angara A5P/DM03</a>	Lutch 5 – 2
??	<a href="#">Soyuz-2-1b</a>	Bion-M No. 2
??	<a href="#">Angara A5P/DM03</a>	Lutch 5 – 3
??	??	Ямал GK 2
??	<a href="#">Soyuz-2 1a / Fregat</a>	<a href="#">Luna 26</a> (Luna-Resurs OA)
<b>2024</b>		
Jan??	<a href="#">Delta IV-H</a>	NROL-70
Apr??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 26</a>
June??	<a href="#">Atlas 5 402 / Falcon 9</a>	USCV-8 (US Commercial Vehicles)
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
Sep??	<a href="#">GSLV MK III</a>	Mangalyaan – 2 Mars Orbiter
Oct??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 27</a>
Oct??	EELV	GOES-U
Dec??	<a href="#">Atlas 5 402 / 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="#">Soyuz-2</a>	<a href="#">Progress MS 25</a>
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 26</a>
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 27</a>
??	<a href="#">Soyuz-2 1b</a>	Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	<a href="#">Proton-M / DM-03</a>	Spektr - UF



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??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 4
??	<a href="#">Angara 1.2</a>	<a href="#">Gonets</a> x 2, Gonets M
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 4
??	??	Ямал GK VEO 1
??	<a href="#">Soyuz-2-1A</a>	Obzor P -1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Razdan - 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-6
??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission
??	<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)
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)
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS</a> 28
??	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 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</a> 402 / <a href="#">Falcon 9</a>	USCV-12 (US Commercial Vehicles)
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-13 (US Commercial Vehicles)
??June??	<a href="#">Angara</a> A5P/KVTK	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



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??	CZ	Chang'e-8 (Moon north pole landing)
??	<a href="#">Angara</a> A5/DM03	Bumerang (FobosGrunt 2)
<b>2027.</b>		
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-14 (US Commercial Vehicles)
<b>2069.</b>		
??	??	<a href="#">Interstellar mission</a>