



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (3.2.2020.)

2020.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change on **03.Feb 2020**.

**Feb06. 2137UTC** [Soyuz-2B/Fregat](#)-MTOneWeb smalsat (x34)

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

**Feb08. 0415UTC** [Atlas 5](#) [Solar Orbiter \(SOLO\)](#) (ESA)

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

**Feb09. 2239UTC** [Antares 230](#) [Cygnum OA-13](#)

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

**Feb10.** [GSLV](#) **F10** **GISAT 1**

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

**?Feb11.** **Simrogh** **Zafar 1**

Launch site: [Semnan](#), Iran

**Feb14.** [Falcon 9](#) **Starlink v1 Flight 4**

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

**Feb14.** [Soyuz-2-1A/Fregat M](#) **Meridian M 9**

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

**Feb17.** [CZ-2C](#) **Yaogan Weixing – 30 Group 6**

Launch site: [Xichang](#), China

**Feb18. 2214UTC** [Ariane 5 ECA \(VA252\)](#) **GEO-KOMPSAT-2B , JCSat 17**

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

**Feb25.** **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

**Feb28.** [Soyuz-2-1B/Fregat](#) **Glonass M 60**

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

**Feb??** [H-IIA](#) 202 IGS Optical-7

Launch site: [Tanegashima](#), Japan

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

Feb?? [Falcon 9](#) Starlink v1 Flight 5

Feb?? [CZ-11](#) ??CAS 5, 5B **160**

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

Launch site: [Jiuquan](#), China

**Mar01.** [Electron](#) **ElaNa; Andesite**

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

**Mar02. 0645UTC** [Falcon 9](#) [Dragon SpX-20](#)



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

**Mar06. 0133UTC** [Soyuz-2 B \(VS24\)](#) **Falcon Eye 2**

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

**Mar13. Atlas 5 551 (AV-086)** **AEHF-6**

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

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

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

**Mar31. Minotaur IV** **NROL 129**

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

Mar?? Cosmic Girl / LauncherOne Test Launch

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

Mar??	<a href="#">Delta IV-</a>	DMSP-5D3 F20
Mar??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K1 / 15
Mar??	<a href="#">Falcon 9</a>	SAOCOM-1B, SAOCOM-1C
Mar??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> G2Q
Mar??	<a href="#">CZ-7A</a>	TJSW-6
Mar??	<a href="#">Soyuz-2B/Fregat-MT</a>	OneWeb smalsat (x34)
Mar??	<a href="#">GSLV</a>	GSAT - 32

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

Launch site: [Semnan](#), Iran

??	<a href="#">Ariane 5</a>	Galaxy 30 / MEV-2
??	<a href="#">Atlas 5 551</a>	Asteroid Retrieval Spacecraft (ARS)
??	??	EX-3
??	<a href="#">H-IIA</a>	JDRS-1 <span style="float: right;">140</span>

**Apr09.** **Soyuz 2-1A** **Soyuz MS 16 (S63/64)**

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

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

**Apr18.** **Soyuz-2 B/Fregat-MT** **OneWeb smalsat (x34)**

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

**Apr25.** **Soyuz-2** **Progress MS 14**

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

Apr?? Firefly Alpha first flight

Launch site: [Vandenberg](#), USA

Apr?? SSLV D1 Two defence sats

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

Apr?? [Proton-M/Briz-M](#) Ekspress 80, Ekspress 103

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

Apr?? CZ-5B Y1 New generation manned spacecraft

Apr?? [PSLV](#) C51 HRSAT

Apr?? [Falcon 9](#) GPS IIIA-3



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Apr??	<a href="#">Soyuz-2B/Fregat</a> -MT	OneWeb smalsat (x34)	
??	<a href="#">Falcon 9</a> (SPx-DM2)	<a href="#">Dragon v2</a>	
CDR: Robert <b>Benkhen</b> , Doug <b>Hurley</b>			
??	<a href="#">Astra Space</a>	NLSat-1	
Launch site: Kodiak, USA			
??	<a href="#">Ariane 5</a> ECA	Eutelsat Quantum	
May??	<a href="#">H-2B</a> (F10)	<a href="#">HTV9</a>	
May??	??CZ-8	Taihu -1	
May??	<a href="#">Soyuz-2-/Fregat</a> -MT	OneWeb smalsat (x34)	
May??	<a href="#">Atlas 5</a> 551	AFSPC-7 (X-37B OTV 6)	
?? - inaugural flight - Vega-C – Lares 2			
??	<a href="#">PSLV</a>	IRNSS-1J	
??	<a href="#">Falcon 9</a>	Anasis II	120
June??	<a href="#">Atlas 5</a> 422 (AV082)	CST-100 Starliner	
CDR: Michael <b>Fincke</b> , Chris <b>Ferguson</b> , Nicole Aunapu <b>Mann</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="#">Delta IV</a> -H	NROL-44	
June??	<a href="#">Ariane 5</a> ECA	GSAT-20	
June??	<a href="#">Soyuz-2</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x34)	
June??	<a href="#">Soyuz-2</a> B / <a href="#">Fregat</a> -M	CAS500-1; +	
??	<a href="#">Vega</a>	Seosat (Ingenio)	
??	<a href="#">Soyuz-2</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x34)	
??	??	Xidian -1	
??	<a href="#">Angara</a> A5/ Briz M	Kosmos	
??	<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	Glonass M / 61	
??	SSLV D2	Demo 2	
<b>July16</b>	<b>Ariane 62</b>	<b>OneWeb</b>	
<b>July17. 1300UTC</b>	<b><a href="#">Atlas 5</a> (541)</b>	<b><a href="#">Mars 2020 rover</a></b>	
<b>July23.</b>	<b><a href="#">CZ-5</a> Y4</b>	<b><a href="#">Mars probe</a> (orbiter + lander + rover)</b>	
<b>July25.</b>	<b><a href="#">Proton-M/Briz-M</a></b>	<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.	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
July??	CZ-6A	Satellologic (1-13)	100
July??	<a href="#">GSLV</a> MK II F12	GISAT -2	
July??	<a href="#">Soyuz-2</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x34)	
July??	<a href="#">H-IIA</a>	<a href="#">Hope</a> (UAE mission to Mars)	
July??	<a href="#">PSLV</a> C50	RISAT_1A	
??	Vega-C Pleiades Neo 1, Pleiades Neo 2		



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??	<a href="#">Ariane 5</a>	ViaSat 3 EMEA	
??	<a href="#">Vega</a>	OpSis	
??	<a href="#">Falcon 9</a>	SiriusXM SX7	
<b>Aug05.</b>	<b><a href="#">Falcon 9</a> FT</b>	<b><a href="#">Dragon SpX-21</a></b>	
<b>Aug20.</b>	<b><a href="#">Soyuz-2</a></b>	<b><a href="#">Progress MS 15</a></b>	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
Aug??	<a href="#">Soyuz-2</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)	
Aug??	<a href="#">Falcon 9</a>	GPS IIIA-4	
??	<a href="#">Vega_C</a>	CERES (x3)	
??	<a href="#">Vega</a>	SSMS – 2 (Small Spacecraft Mission Service)	
Sep??	CZ	CBERS-6	
Sep??	<a href="#">Falcon 9</a>	GPS IIIA-5	
Sep??	??	GOES-T (National Security Space Launch program)	
Sep??	<a href="#">Soyuz-2</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)	
Sep??	<a href="#">Atlas 5</a> 531	NROL-101	80
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2 / 17	
??	<a href="#">Soyuz-2</a> -1B / <a href="#">Fregat</a>	Arktika-M	
<b>Oct14.</b>	<b><a href="#">Soyuz 2-1A</a></b>	<b><a href="#">Soyuz MS 17 (S63/64)</a></b>	
CDR: Анато́лий Алексе́евич <b>Ивани́шин (Ivanishin)</b> , Иван Викторович <b>Вагнер (Vagner)</b> , Stephen <b>Bowen</b>			
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
Oct??	Vega	Proba 3	
Oct??	<a href="#">Soyuz-2</a> ST (VS25)	CSO-2	
Oct??	<a href="#">Vega</a> C Cosmo-SkyMed Secon Gen 2	CSG-2	
Oct??	JL-1	Hainan-1 (4)	
Oct??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> OA-14	
??	<a href="#">Falcon 9</a>	SARah 1	
??	<a href="#">Falcon 9</a>	SiriusXM SX8	
<b>Nov30.</b>	<b><a href="#">Proton-M</a></b>	<b>MLM</b>	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
Nov??	<a href="#">Atlas 5</a> 402	CST 100 Starliner	
Cdr: John <b>Cassada</b> , Sunita <b>Williams</b> ,			
Nov??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT (VS26)	OneWeb smalsat (x34)	
Launch site: <a href="#">Kourou</a> , French Guiana			
Nov??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs №4	
Nov??	<a href="#">Soyuz-2</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x34)	
??	<a href="#">Delta IV</a> -H	NROL-82	
??	<a href="#">Atlas 5</a> 551	AFSPC-8 (GSSAP 5, GSSAP 6)	
??	Minotaur 1	NROL 111	
<b>Dec04.</b>	<b><a href="#">CZ-5</a> Y5</b>	<b>Chang'e-5 (Sample return)</b>	
<b>Dec11.</b>	<b><a href="#">Soyuz-2</a></b>	<b><a href="#">Progress MS 16</a></b>	



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Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 60

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?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra (Kupol) 4
- Dec?? [Soyuz-2](#) 1B /[Fregat](#)-M [Gonets](#) x 3 (No 27,28,29)
- Dec?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
- ?? [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))

?? [Soyuz-2](#)-1A/[Fregat](#) 14F01 (Neitron)  
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 40
- ?? [Soyuz-2](#)-1B Pion
- ?? [Soyuz-2](#)- Razdan 1
- ?? [Soyuz-2](#)-1V ??
- ?? [Soyuz-2](#)-1V ??
- ?? [Soyuz-2](#)-1V ??
- ?? [Angara](#) 1.2 Kosmos
- ?? [Ariane 5](#) Arsat 3
- ?? [Ariane 5](#) ViaSat-3 Asia
- ?? [Ariane 5](#) ECA EDRS-D
- ?? [Ariane 5](#) ECA Star One D2
- ?? ?? Seosat-Ingenio-2
- ?? CZ Two Meter Space Telescope
- ?? CZ FY-4C Fengyun-4C
- ?? CZ HY-3B Haiyang-3B
- ?? [CZ-3B](#)/ Palapa 1N



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??	??	Hainan-1 (5)	
??	??	Hainan-1 (6)	
??	??	Sanya-1 (1)	
??	??	Sanya-1 (2)	
??	CZ	FY-3F Fengyun-3F (Batch 2)	20
??	CZ	FY-3 Fengyun-3 RM-2	

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

?? CZ-11 [CAS-4A](#), [CAS-4B](#)  
Launch site: [Taiyuan](#), China

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

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

?? [PSLV](#) ScatSat, NovaSAR

?? [PSLV](#) EnMap

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

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

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

7 + 174

## 2021.

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

Jan?? [Falcon 9](#) [Dragon v2](#) (USCV-1)  
Cdr: Victor **Glover**, Mike **Hopkins**, Soichi **Noguchi** 60

Feb?? [Falcon 9](#) GPS IIIA-6  
Feb?? [Falcon H](#) AFSPC-44

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



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## Mar31. [Ariane 5](#) ES

## JWST (James Webb Space Telescope)

Mar?? [Atlas 5](#) 411

SBIRS-GEO 5

Mar?? [Soyuz-2](#)

[Progress MS](#) 17

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

[Soyuz MS](#) 18

Cdr: Сергей Николаевич **Рыжиков**, Сергей Владимирович **Кудь-Сверчков**

Apr?? Ariane 62

Galileo-FOC FM23, Galileo-FOC FM24

Apr?? [Falcon 9](#)

IXPE (Imaging X-ray Polarimetry Explorer)

May?? [Soyuz-2](#)

[Progress MS](#) 18

May?? [Antares](#) 230

[Cygnum](#) 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)

?? SLS-1

Artemis-1

Orion (unmanned trip around the Moon) Exploration Mission 1

(Distant Retrograde Orbit (DRO) Tactical DRM)

?? CZ7

TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)

?? 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

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

CDR: Олэг Вікторович **Новіцкий**, Пётр Валерьевич **Дубров**

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

Oct?? Ariane 62 CSO-3

Oct?? [Antares](#) 230 [Cygnum](#) OA-16



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??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 20</a>
??	<a href="#">Soyuz-2 1B</a>	Progress M-UM
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
??	<a href="#">Ariane 5</a>	MTG-I1
??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-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/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
??	<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
??	<a href="#">Soyuz-2 1B /Fregat-M</a>	Resurs №5
??	<a href="#">Angara A5/ Briz-M</a>	Luch 5M
??	<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
??	<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)





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??	??	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> Space Rider 2	
??	<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)

## 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.

Mar??	<a href="#">Atlas 5</a>	NROL-107 Silentbaker
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-14 Shenzhou-14
Apr??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 21</a>
Apr??	<a href="#">CZ-3B/G2</a>	LSTSAT (Nicasat 1)
??	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

<b>May20.</b>	<b><a href="#">Ariane 5ECA</a></b>	<b>JUICE (JU)piter (JU)piter 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



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June??	<a href="#">Atlas 5</a> 402	USCV-4 (US Commercial Vehicles)
??	Sunkar ??	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 20
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
Oct??	<a href="#">Vega</a> C Biomass	
??	<a href="#">Soyuz-2</a> -1A	<a href="#">Soyuz MS</a> 23
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)
??	Sunkar Federatsia (unmaned)	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 21
??	<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>	PTK 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)
??	<a href="#">Vega</a> C Space Rider 3	
??	<a href="#">Vega</a> C CryoSat FO	
??	CZ	HY-3C Haiyang-3C



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## 2023.

??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 22</a>	
Apr??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 24</a>	
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)	
??	CZ-2F/G	SZ-16 Shenzhou-16	
June??	<a href="#">Atlas 5 402</a> / <a href="#">Falcon 9</a>	USCV-6 (US Commercial Vehicles)	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 23</a>	
??	<a href="#">Ariane 5</a>	MTG-S2/Sentinel-4A	
Oct??	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 25</a>	
Dec??	<a href="#">Atlas 5 402</a> / <a href="#">Falcon 9</a>	USCV-7 (US Commercial Vehicles)	
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 24</a>	
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)	
??	Sunkar Federatsia (unmanned 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 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="#">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</a> / <a href="#">Fregat</a>	<a href="#">Luna 26</a> (Luna-Resurs OA)	



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## 2024

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</a> MK III	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 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 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
??	<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 5 402 / Falcon 9</a>	USCV-10 (US Commercial Vehicles)
Dec??	<a href="#">Atlas 5 402 / 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 28</a>



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??	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</a> -1B/ <a href="#">Fregat</a> -M	Resonans 2A, 2B, MKA-PN5
??	??	Ямал GK VEO 2
??	??	Ямал GK VEO 3
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Arktika M 5
??	<a href="#">Soyuz-2</a> -1B	Obzor O -2
??	<a href="#">Soyuz-2</a> -1B	Bion-M No. 3

## 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
??	CZ	Jupiter Orbiter
??	CZ	Mars Sample Return
??	CZ	Chang'e-8 (Moon north pole landing)
??	<a href="#">Angara</a> A5/DM03	Bumerang (FobosGrunt 2)

## 2027.

June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-14 (US Commercial Vehicles)
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## 2069.

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