



## Blog Gorana Hudeca

### Predstojeća lansiranja u Svemir (19.8.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change on 19.Aug 2019.

**Aug22. 0938UTC Soyuz-2 1A Soyuz 14 GVK**  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

**Aug22. 1455UTC Delta IV GPS IIIA-2**  
Launch site: [Cape Canaveral](#), USA

**Aug29. KZ-1A Y03 ??**  
Launch site: [Jiuquan](#), China

Aug?? [Rokot / Briz KMGeo IK 2](#) 13L  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

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

?? [CZ-3A](#) [Beidou 3](#) I3Q

**Sep10. Vega SSMS POC (Small Spacecraft Mission Service Proof Of Concept)**  
Launch site: [Kourou](#), French Guiana

**Sep10. 2133UTC H-2B (F9) HTV8**  
Launch site: [Tanegashima](#), Japan

**Sep17. Atlas 5 N22 (AV80) CST-100 Starliner (unmanned test)**  
Launch site: [Cape Canaveral](#), USA

**Sep20. Astra Space NSLSat-1**  
Launch site: Kodiak, USA 80

**Sep25. 1357UTC Soyuz-2-1A Soyuz MS 15 (S61/62)**  
CDR : Олэг Ива́нович Скри́почка, (Oleg Ivanovich **Skripotcka**), Jessica **Meir**, Hazzaa **Al Mansouri**

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

**Sep30. Proton-M/Briz-M EutelSat 5 West B / MEV**  
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

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

Sep?? CZ-6A Satellogic (1-13)  
Sep?? [CZ-11](#) Zhuhai-1 Group-3

?? [Ariane 5](#) Inmarsat-5 F5 (GX-5)  
?? [Electron](#) KSM-1,KSM-2,KSM-3 (Kleos Scouting Mission)  
?? [Electron](#) Dove / Flock-y  
?? [Soyuz-2-1V](#) ??



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<b>Oct17.</b>	<a href="#">Falcon 9</a>	<b>Starlink v1 Flight 1</b>	
<b>Oct21. 1839UTC</b>	<a href="#">Antares 230</a>	<a href="#">Cygnus OA-12</a>	
Oct??	<a href="#">CZ-3A</a>	<a href="#">Beidou 3</a> MEO M19, <a href="#">Beidou 3</a> MEO M20	
Launch site: <a href="#">Xichang</a> , China			
<b>Oct??</b>	Cosmic Girl / LauncherOne		Test Launch
Launch site: <a href="#">Spaceport America</a> , USA			
Oct??	<a href="#">Atlas 5</a> 551	STP-03	
Oct??	<a href="#">PSLV</a> C47	CARTOSAT-3, NEMO-AM	
Oct??	<a href="#">PSLV</a> C48 - XL	RISAT-2BR1	
Oct??	<a href="#">GSLV</a> MK II F12	GISAT -1	
??	CZ-4B	CBERS-4° A	
<b>Nov01.</b>	<a href="#">Soyuz ST B/Fregat-MT</a>	<b>Cosmo-SkyMed Secon Gen 1</b>	<b>CSG-1 / CHEOPS</b>
<b>(Characterising ExOPlanet Satellite)</b>			
<b>Nov04.</b>	<a href="#">Falcon 9</a>	<b>Starlink v1 Flight 2</b>	<b>60</b>
<b>Nov15.</b>	<a href="#">Falcon 9 (SPx-DM2)</a>	<a href="#">Dragon v2</a>	
CDR: Robert <b>Benkhen</b> , Doug <b>Hurley</b>			
<b>Nov20.</b>	<a href="#">Soyuz ST B/Fregat-MT</a>	<b>OneWeb smalsat (x32)</b>	
<b>Nov30.</b>	<a href="#">Atlas 5 422 (AV082)</a>	<b>CST-100 Starliner</b>	
CDR: Michael <b>Fincke</b> , Chris <b>Ferguson</b> , Nicole Aunapu <b>Mann</b>			
Nov??	<a href="#">Vega</a>	Falcon Eye 2	
Nov??	<a href="#">CZ-2D</a>	ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite)	
Nov??	<a href="#">Falcon 9</a>	Anasis II	
??	<a href="#">Ariane 5</a>	JCSat 17	
??	Kuaizhou-1A	Hainan-1 (1), Hainan-1 (2), Hainan-1 (3)	
??	Minotaur 1	NROL 111	
??	<a href="#">Falcon 9</a>	SiriusXM SX7	
??	Minotaur IV	NROL 129	
??	<a href="#">PSLV</a>	HRSAT	
??	<a href="#">CZ-5</a> Y3	SJ-20 (DFH-5 platform)	
??	<a href="#">Falcon 9</a>	JCSat 18	
<b>Dec04.</b>	<a href="#">Falcon 9</a> FT	<a href="#">Dragon SpX-19</a>	
<b>Dec05.</b>	<a href="#">Soyuz ST B/Fregat-MT</a>	<b>OneWeb smalsat (x32)</b>	
<b>Dec20.</b>	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 13</a>	
Dec??	<a href="#">Rokot / Briz KM</a>	<a href="#">Gonets</a> x 3 (No 24,25,26), Blits-M	
Launch site: Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia			
Dec??	<a href="#">Proton-M/Briz-M</a>	Elektro L – 3	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			



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Dec??	<a href="#">Proton-M/Briz-M</a>	Ekspress 80, Ekspress 103	40
Dec??	<a href="#">Soyuz-2-1B/Fregat-M</a>	CAS500-1	
Dec??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass K2 / 13	
Dec??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M21, <a href="#">Beidou 3</a> MEO M22	
Dec??	<a href="#">Angara</a> A5/ Briz M	Kosmos	
Dec??	<a href="#">Falcon 9</a>	GPS IIIA-3	
Dec??	<a href="#">Soyuz-2-1B</a>	Pion	
Dec??	SSLV D1	Two defence sats	
??	<a href="#">Atlas 5</a> 551	AFSPC-7 (X-37B OTV 6)	
??	<a href="#">Atlas 5</a> 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	<a href="#">Ariane 5</a> ECA	Eutelsat BB4A (African Broadband Satellite)	
??	<a href="#">Vega</a>	OpSis	
??	<a href="#">Soyuz-2-</a>	Razdan 1	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
??	<a href="#">Soyuz-2</a> 1A	Energiya-100	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Tundra 3	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Tundra 4	
??	<a href="#">Soyuz-2-1B/</a> <a href="#">Fregat</a> -M	Glonass K1 15	
??	<a href="#">Soyuz-2-1B/</a> <a href="#">Fregat</a> M	Meridian 19L	
??	CZ	FY-3E Fengyun-3E	20
??	CZ	FY-4B Fengyun-4B	
??	<a href="#">CZ-2C</a>	HY-1D Haiyang-1D	
??	<a href="#">CZ-4B</a>	HY-2C Haiyang-2C	
??	CZ-6A	HY-2D Haiyang-3A	
??	CZ	CBERS-SAR 1	
??	CZ-??	<a href="#">CAS-4A, CAS-4B</a>	
Launch site: <a href="#">Taiyuan</a> , China			
??	KZ-11	Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)	
??	<a href="#">KZ-1A</a>	Jilin 1-10	
??	<a href="#">KZ-1A</a>	Jilin 1-11	
??	<a href="#">KZ-1A</a>	Jilin 1-12	
??	<a href="#">CZ-2D</a>	GF-7 Gaofen-7	
??	<a href="#">CZ-11</a>	Fengtai Shaonian-02	
??	<a href="#">CZ-3B/E</a>	Apstar-6D	
Launch site: <a href="#">Xichang</a> , China			



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

?? [PSLV](#) RISAT\_1A  
?? [PSLV](#) IRNSS-1J  
?? [PSLV](#) RISAT-2BR2  
?? [GSLV](#) GISAT -2

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

10 + 8  
54 + 89

## 2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20

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

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

Feb?? [CZ-3B/YZ-1](#) [Beidou 3](#) 2GQ  
Feb?? [GSLV](#) GSAT - 32  
Feb?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

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

?? [Vega](#) SSMS – 2 (Small Spacecraft Mission Service)  
?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
?? [Ariane 5](#) ECA Eutelsat Quantum  
?? [Ariane 5](#) ECA GSAT 30  
?? [Falcon 9](#) GPS IIIA-4 120  
?? [SSLV](#) D2 Demo 2

**Mar20.** [Soyuz 2-1A](#) [Soyuz MS 16 \(S62/63\)](#)  
CDR: Николай Владимирович **Тихонов** (Nikolai Tikhonov), Андрей Николаевич **Бабкин** (Andrei Babkin), Hoshide

Mar?? [Delta IV](#)-M DMSP-5D3 F20  
Mar?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass K1 / 22  
Mar?? [Atlas 5](#) 551 AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))  
Mar?? [Atlas 5](#) 551 (AV-086) AEHF-6

?? [Ariane 5](#) Galaxy 30 / MEV-2  
?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B  
?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass M 59  
?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass M 60

**Apr16.** [Soyuz-2](#) [Progress MS 14](#)

**Apr20.** [Antares 230](#) [Cygnum OA-13](#)



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Apr??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M23, <a href="#">Beidou 3</a> MEO M24	
Apr??	Angara-1.2/AM	<a href="#">Gonets</a> x 3 (No 30,31,32)	
Apr??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	CAS500-1	
Apr??	<a href="#">CZ-5</a> B	Test flight	
??	<a href="#">Vega</a>	CCERES (x3)	
May??	<a href="#">Falcon 9</a>	<a href="#">Dragon v2</a> (USCV-1)	
Cdr: Victor <b>Glover</b> , Mike <b>Hopkins</b> , Soichi <b>Noguchi</b> , <b>Ryzhkow??</b>			
May??	<a href="#">Soyuz-2</a> 1B	Progress M-UM	
May??	Ariane 62	CSO-2	
May??	H-2B (F10)	HTV9	100
June??	<a href="#">Ariane 5</a>	MTG-S1/Sentinel-4A	
June??	<a href="#">CZ-3C</a>	<a href="#">Beidou 3</a> G3Q	
June??	Vega_C	Space Rider flight 1	
June??	<a href="#">Atlas 5</a> 551	AFSPC-8 (GSSAP 5, GSSAP 6)	
June??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 15	
??	<a href="#">Vega</a>	Seosat (Ingenio)	
<b>July16</b>	<b>Ariane 62</b>	<b>OneWeb</b>	
<b>July17.</b>	<b>1300UTC</b>	<a href="#">Atlas 5</a> (541)	<a href="#">Mars 2020 rover</a>
<b>July23.</b>	<a href="#">CZ-5</a>	Y4	<a href="#">Mars probe</a> (orbiter + lander + rover)
<b>July25.</b>	<a href="#">Proton-M/Briz-M</a>	<b>ExoMars (CM+DM)</b>	An ESA exobiology rover equipped with a deep drill developed by Astrium Satellites in the United Kingdom will launch in 2020. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface.
July??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glomass K2 / 14	
July??	<a href="#">Soyuz-2</a> -1B / Fregat	Arktika-M	
??	Vega-C	Pleiades Neo 1, Pleiades Neo 2	
??	<a href="#">Ariane 5</a>	ViaSat 3 EMEA	
Aug??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-21	
Sep??	CZ	CBERS-6	
Sep??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glomass K2 / 15	
Sep??	<a href="#">Falcon 9</a>	GPS IIIA-5	
Sep??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-1	
Sep??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 16	80
Sep??	??	GOES-T (National Security Space Launch program)	
??	CZ-2F/G	SZ-13 Shenzhou-13	
<b>Oct21.</b>	<b>Soyuz 2-1A</b>	<a href="#">Soyuz MS 17 (S63/64)</a>	
CDR: <b>Иванишин (Ivanishin)</b> , <b>Вагнер (Vagner)</b> , Christopher J. <b>Cassidy</b>			
Oct??	Vega	Proba 3	
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	<a href="#">Gonets</a> x 3 (No 27,28,29)	
Oct??	<a href="#">Proton-M</a>	MLM	



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Oct??	CZ-5B Y1	New generation manned spacecraft	
??	<a href="#">Falcon 9</a>	SARah 1	
??	<a href="#">Angara</a> A5/ DM 03(Persei)	Kosmos	
Nov??	<a href="#">Atlas 5</a> 402	CST 100 Starliner (USCV-2)	
	Cdr: John <b>Cassada</b> , Sunita <b>Williams</b> ,		
Nov??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 15	
Nov??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs N <sup>o</sup> 4	
??	SLS-1	Orion (unmanned trip around the Moon)	Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
<b>Dec04.</b>	<b><a href="#">CZ-5</a> Y5</b>	<b>Chang'e-5 (Sample return)</b>	
<b>Dec15.</b>	<b><a href="#">Atlas 5</a></b>	<b>Landsat 9</b>	
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??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 17	
??	??	PACE	
??	??	EX-4	
??	??	ACE	60
??	??	HyspIRI	
??	Antares	IMAP/STP-05	
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-22	
??	<a href="#">Falcon H</a>	ViaSat 3	
??	<a href="#">Falcon 9</a>	KPLO (Korea Pathfinder Lunar Orbiter)	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 16	
??	<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	Meteor M No2-3	
??	<a href="#">Angara</a> 1.2	Kompsat-6	
??	<a href="#">Soyuz-2</a> -1A/ <a href="#">Fregat</a> -M	<a href="#">Gonets</a> x 6	
??	<a href="#">Proton-M/Briz-M</a>	AOneSat-1	
??	<a href="#">Proton-M/Briz-M</a>	Terrestar-2	
??	<a href="#">Proton-M/Briz-M</a>	SkyTerra 2	
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7	
??	<a href="#">Proton-M/Briz-M</a>	Yenisey A1	
??	<a href="#">Proton-M/Briz-M</a>	Ямал-501	
??	<a href="#">Proton-M/Briz-M</a>	EutelSat	
??	<a href="#">Proton-M/Briz-M</a>	Ямал-GK-1	
??	<a href="#">Proton-M</a>	PTK NP	
??	<a href="#">Soyuz-2</a> -1A/ <a href="#">Fregat</a>	Resonance 1A, Resonance 1B	RESONANCE is a project to study Earth's magnetosphere consisting of four similar satellites. 40
??	<a href="#">Soyuz-2</a> -1B	Lotos S1	



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??	<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 №1	
??	<a href="#">Angara 1.2</a>	Kosmos	
??	<a href="#">Zenit 3 SL /Fregat-SB</a>	Lybid'	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
??	<a href="#">Ariane 5</a>	Arsat 3	
??	<a href="#">Ariane 5</a>	ViaSat-3 Asia	
??	<a href="#">Ariane 5</a> ECA	EDRS-D	
??	<a href="#">Ariane 5</a> ECA	Star One D2	
??	??	Seosat-Ingenio-2	
??	<a href="#">Vega C</a> Cosmo-SkyMed Secon Gen 2	CSG-2	
??	CZ	Two Meter Space Telescope	
??	CZ	FY-4C Fengyun-4C	
??	CZ	HY-3B Haiyang-3B	20
??	<a href="#">CZ-3B/</a> Palapa 1N		
??	??	Hainan-1 (4)	
??	??	Hainan-1 (5)	
??	??	Hainan-1 (6)	
??	??	Sanya-1 (1)	
??	??	Sanya-1 (2)	
??	CZ	FY-3F Fengyun-3F (Batch 2)	
??	CZ	FY-3 Fengyun-3 RM-2	
??	<a href="#">CZ-2D</a>	SJ-19 Shijan-19	
??	<a href="#">GSLV</a> MK II F11	GSAT-10A	
Launch site: <a href="#">Satish Dhawan Space Centre</a> , Sriharikota, India			
??	<a href="#">PSLV</a>	ScatSat, NovaSAR	
??	<a href="#">GSLV</a> MK III	MOM-2 Follow on Mars Mission	
??	<a href="#">PSLV</a>	EnMap	
??	<a href="#">PSLV</a> XL	<a href="#">Aditya'</a>	
??	H-IIA	<a href="#">Hope</a> (UAE mission to Mars)	
??	H-IIA	Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)	
??	H-IIA	Inmarsat-6 F1	
??	<a href="#">Safir 1 B</a>	Tadbir	



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?? Safir 3A Pars sepher

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## 2021.

Feb?? [Soyuz-2](#) [Progress MS](#) 18  
 Feb?? [Falcon 9](#) GPS IIIA-6  
 Feb?? [Falcon H](#) AFSPC-44

**Mar30.** [Soyuz-2-1A](#) [Soyuz MS 18](#)  
 Cdr: **Borisenko, Chub, Bowen**

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

Mar?? [Atlas 5](#) 411 SBIRS-GEO 5

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

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

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

June?? [Soyuz ST](#) B/[Fregat](#) MT Euclid  
 Euclid will depart Earth on a Soyuz rocket launched from French Guiana and head for the L2 Lagrange point.

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

?? CZ7 TZ 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

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

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

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

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

Nov?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)





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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</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</a> 20
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Transformable Modul TM
??	<a href="#">Proton-M</a>	H3M-1
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Meteor M No2-4
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Proton-M/Briz-M</a>	Ekspress-RV1, Ekspress-RV2
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 4
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Smotr R №1
??	<a href="#">Proton-M/Briz-M</a>	IntelSat
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 4
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Arktika M 2
??	<a href="#">Proton-M/DM-03</a>	<a href="#">Glonass-M</a> /K21,K22,K23
??	<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="#">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</a> B/ <a href="#">Fregat</a> -MT	CSO 2 (Composante Spatiale Optique-2)
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	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)
<b>2022.</b>		
Jan??	??	Solar Sentinels



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

?? [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.

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

Mar?? [Atlas 5](#) NROL-107 Silentbaker

?? 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 (IC)y moon Explorer)**

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

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

June?? Ariane 5 MTG-I2

?? Sunkar ??  
 ?? [Soyuz-2](#) [Progress MS 20](#)

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

**Sep30.** [Soyuz-2-1A](#) [Soyuz MS 20](#)

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

Dec?? [Soyuz ST B](#)/[Fregat](#)-MT MetOp-SG B1  
 Dec?? [Vega](#) C FLEX (Fluorescence Explorer satellite)

?? Sunkar Federatsia (unmaned)

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

?? [Falcon 9](#) GPS IIIA-9/GPS IIIB-1  
 ?? [Falcon 9](#) GPS IIIA-10/GPS IIIB-2

?? [Proton-M/Briz-M](#) Ekspres – AMU 5  
 ?? [Proton-M/Briz-M](#) Ekspres – AMU 6  
 ?? [Proton-M/Briz-M](#) Ekspres – RV 3, Ekspres – RV 4  
 ?? [Angara](#) 1.2 [Gonets](#) x 3  
 ?? [Proton-M/Briz-M](#) Eutelsat



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??	<a href="#">Proton-M/Briz-M</a>	Intelsat
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Smotr R №2
??	<a href="#">Soyuz-2-</a>	Razdan 2
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 5
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 1
??	<a href="#">Angara A5/ Briz-M</a>	Luch 5M
??	<a href="#">Ariane 5</a>	Moon's south pole samples return mission
??	<a href="#">Ariane 5</a>	Comsat NG 2 (Syracuse 4B)
??	<a href="#">Vega C</a>	Space Rider 3
??	<a href="#">Vega C</a>	CryoSat FO
??	CZ	HY-3C Haiyang-3C

## 2023.

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

**Mar30.** [Soyuz-2-1A](#) [Soyuz MS 21](#)

May?? [Atlas 5 402 / Falcon 9](#) USCVC-7 (US Commercial Vehicles)

?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)

?? CZ-2F/G SZ-16 Shenzhou-16

?? [Soyuz-2](#) [Progress MS 23](#)

?? [Ariane 5](#) MTG-S2/Sentinel-4A

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

Nov?? [Atlas 5 402 / Falcon 9](#) USCVC-8 (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.

??	<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



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??	<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)
??	<a href="#">GSLV</a> MK III	Mission to Venus
??	<a href="#">Angara</a> A5P/DM03	Lutch 5 – 2
??	<a href="#">Soyuz-2</a> -1b	Bion-M No. 2
??	<a href="#">Angara</a> A5P/DM03	Lutch 5 – 3
??	??	Ямал GK 2
??	<a href="#">Soyuz-2</a> 1a / <a href="#">Fregat</a>	<a href="#">Luna 26</a> (Luna-Resurs OA)
<b>2024</b>		
<b>Mar30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 23</a>
May??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-9 (US Commercial Vehicles)
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
<b>Sep30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 24</a>
Oct??	EELV	GOES-U
Nov??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-10 (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</a> 1b	Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	<a href="#">Proton-M</a> / DM-03	Spektr - UF
??	<a href="#">Soyuz-2</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



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

## 2025

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

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-12 (US Commercial Vehicles)

?? SLS Block IA II Orion: Exploration Mission 5 (Crew to Cislunar)

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

?? SLS Block I Europa Clipper

?? [Soyuz-2](#) 1b Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples

?? [Soyuz-2](#)-1B/[Fregat](#)-M Resonans 2A, 2B, MKA-PN5

?? ?? Ямал GK VEO 2

?? ?? Ямал GK VEO 3

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

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

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

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

## 2026.

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-13 (US Commercial Vehicles)

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

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

?? CZ Jupiter Orbiter

?? CZ Mars Sample Return

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

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

## 2069.

?? ?? [Interstellar mission](#)