



## Blog Gorana Hudeca

### Predstojeća lansiranja u Svemir (6.4.2020.)

2020.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change on 06.Apr.2020.

Apr09. 0805UTC Soyuz 2-1A Soyuz MS 16 (S63/64)  
CDR: ????? '???' ?????? '????' ??? (Ivanishin), ??? ?????????? ?????? (Vagner),  
Christopher John Cassidy  
Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan

Apr24. CZ-5B Y1 New generation manned spacecraft  
Launch site: Wenchang, China

Apr25. Soyuz-2 Progress MS 14  
Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan

Apr29. 1100UTC Falcon 9 GPS IIIA-3  
Launch site: Cape Canaveral, USA

Apr?? Minotaur IV NROL 129  
Launch site: Wallops Island, USA

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

Apr?? Falcon 9 SAOCOM-1B, SAOCOM-1C  
Launch site: Cape Canaveral, USA

Apr?? GSLV F10 GISAT 1  
Launch site: Satish Dhawan Space Centre, Sriharikota, India

Apr?? PSLV (C49) RISAT-2BR2 + 4 Kleos + 4 Spireats  
Launch site: Satish Dhawan Space Centre, Sriharikota, India

Apr?? CZ-11 CX-6-1  
Launch site: Xichang, China

?? Vega (VV16) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)  
Launch site: Kourou, French Guiana

?? Electron ElaNa; Andesite  
Launch site: Kaitorete Spit, New Zeland 140

?? Falcon 9 Starlink v1 Flight 7

May20. Falcon 9 (SPx-DM2) Dragon v2  
CDR: Robert Benkhen, Doug Hurley  
Launch site: Cape Canaveral, USA

May20. 1730UTC H-2B (F10) HTV9  
Launch site: Tanegashima, Japan

May24. Proton-M/Briz-M Ekspress 80, Ekspress 103



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Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan

May?? Cosmic Girl / LauncherOne Test Launch  
Launch site: Spaceport America, USA

May?? SSLV D1 Microsat 2A  
Launch site: Satish Dhawan Space Centre, Sriharikota, India

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  
May?? CZ-3B/ Palapa 1N

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

?? Falcon 9 Anasis II

June3. Ariane 5 VA253 Galaxy 30 / MEV-2  
Launch site: Kourou, French Guiana

June16. CZ-3B/E Apstar-6D  
Launch site: Xichang, China

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-44 120  
June?? PSLV (C50) Oceansat-3A  
??June?? Soyuz-2B/Fregat-MT OneWeb smalsat (x36)  
June?? GX-1 ??

?? Rocket v3.0 DARPA Launch Challenge 1  
Launch site: Pacific spaceport complex Alaska, USA

?? ?? Xidian -1  
?? Angara A5/ Briz M Kosmos  
?? SSLV D2 Demo 2  
?? CZ-3B/G3 Tiantong-1 (02)

July16 Ariane 62 OneWeb  
Launch site: Kourou, French Guiana

July17. 1300UTC Atlas 5 (541) Mars 2020 rover  
Launch site: Cape Canaveral, USA

July23. CZ-5 Y4 Mars probe (orbiter + lander + rover)  
Launch site:Wenchang, China

July23. Soyuz-2 Progress MS 15  
Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan



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July??	CZ-6A	Satellogic (1-13)	
July??	H-IIA	Hope (UAE mission to Mars)	
??July??	Soyuz-2B/Fregat	OneWeb smalsat (x36)	
??	Falcon 9	SiriusXM SX7	
??	PSLV	Cartosat-3B	
??	PSLV	IRNSS-1J	
??	Ariane 5	MTG-S1/Sentinel-4A	
Aug31.	Atlas 5 422 (AV083)	CST-100 Starliner	
CDR: Michael Fincke, Chris Ferguson, Nicole Aunapu Mann			
Launch site: Cape Canaveral, USA			100
Aug??	Firefly Alpha	first flight	
Launch site: Vandenberg, USA			
Aug??	Soyuz-2 B/Fregat-MT	OneWeb smalsat (x34)	
Aug??	Falcon 9	GPS IIIA-4	
Aug??	PSLV	HRSAT	
Aug??	GSLV MK II	F12	GISAT -2
Aug??	??CZ-8		Taihu -1
??	KZ-1A	Xingyun-2 (01,02)	
Launch site: Jiuquan, China			
??	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			
??	Ariane 5	ViaSat 3 EMEA	
Sep07.	Antares 230	Cygnus OA-14	
Launch site: Wallops Island, USA			
Sep15.	Soyuz-2 ST A (VS24)	Falcon Eye 2	
Launch site: Kourou, French Guiana			
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	
??	Ariane 5 ECA	GSAT-20	80
Oct14.	Soyuz 2-1A	Soyuz MS 17 (S63/64)	
CDR: ??, ??, Stephen Bowen			
Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan			
Oct15.	Soyuz-2 ST (VS25)	CSO-2	
Launch site: Kourou, French Guiana			



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Oct30.	Falcon 9 FT	Dragon SpX-21
Launch site: Cape Canaveral, USA		
Oct??	JL-1	Hainan-1 (4)
??	Falcon 9	SARah 1
??	Falcon 9	SiriusXM SX8
??	Ariane 5 ECA	Eutelsat Quantum / Star One D2
Nov10.	Falcon 9	Jason – Sentinel 6A
Launch site: Cape Canaveral, USA		
Nov??	Atlas 5 402	CST 100 Starliner
Cdr: John Cassada, Sunita Williams,		
??	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)
??	Soyuz-2 1B /Fregat-M	Glonass K1 / 16
Dec04.	CZ-5 Y5	Chang'e-5 (Sample return)
Launch site:Wenchang, China		
Dec09.	Soyuz-2-1B / Fregat	Arktika-M
Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan		
Dec11.	Soyuz-2	Progress MS 16
Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan		
Dec15.	Soyuz-2 ST	Galileo-FOC FM23, Galileo-FOC FM24
Launch site: Kourou, French Guiana		
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
Dec??	Soyuz-2 B/Fregat	OneWeb smalsat (x34)
??	Angara A5/ DM 03(Persei)	Kosmos
??	Falcon 9 FT	Dragon SpX-22
??	??	PACE
??	??	EX-4
??	??	ACE
??	??	HyspIRI
??	Antares	IMAP/STP-05
??	Falcon H	ViaSat 3
??	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



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Launch site: Pacific spaceport complex Alaska, USA

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

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

?? Soyuz-2 1B /Fregat-M Tundra (Kupol) 5  
?? Soyuz-2 1B /Fregat-M Tundra (Kupol) 6  
?? Soyuz-2-1B/Fregat-M Glonass M / 61

?? Soyuz-2 1A Bars-M 4  
?? Soyuz-2-1B Pion 40  
?? Soyuz-2- Razdan 1  
?? Soyuz-2-1V ??  
?? Soyuz-2-1V ??  
?? Soyuz-2-1V ??  
?? Angara 1.2 Kosmos

?? Soyuz-2 B/Fregat OneWeb smalsat (x34)  
?? Soyuz-2 B/Fregat OneWeb smalsat (x36)

?? Ariane 5 Arsat 3  
?? Ariane 5 ViaSat-3 Asia  
?? Ariane 5 ECA EDRS-D

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

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

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

?? CZ-2D SJ-19 Shijan-19 20

?? CZ-11 CAS-4A, CAS-4B  
Launch site: Taiyuan, China

?? CZ FY-4B Fengyun-4B  
?? ?? CZ-2C HY-1D Haiyang-1D  
?? CZ-4B HY-2C Haiyang-2C  
?? ?? CZ-11 Fengtai Shaonian-02  
?? ?? CZ-2D CAS 6  
?? CZ CBERS-SAR 1  
?? CZ-4C FY-3E Fengyun-3E  
?? ?? EX-3

?? GSLV MK II F11 GSAT-10A  
Launch site: Satish Dhawan Space Centre, Sriharikota, India



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??		GSLV	GSAT - 32
??	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
??	H-IIA		JDRS-1
??	Safir 1 B		Tadbir
??	Safir 3A		Pars sepher

22 + 151

2021.

Jan14. Atlas 5 Landsat 9

Jan?? Falcon 9 Dragon v2 (USCV-1)  
 Cdr: Victor Glover, Mike Hopkins, Soichi Noguchi, Shannon Walker

Feb?? Falcon 9 GPS IIIA-6

Feb?? Falcon H AFSPC-44

Feb?? Soyuz-2 B/Fregat-MT OneWeb smalsat (x34) 100

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

Mar12. Antares 230 Cygnus OA-15

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)

?? Proton-M MLM

Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan

Apr?? Soyuz-2-1A Soyuz MS 18

Cdr: ?????? ?????????? ????????, ??????' ?????' ??????? ?????-????????', 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

?? CZ-5B Y2 Tian He Space Station Core Module

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

June?? Soyuz ST B/Fregat MT Euclid



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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	
??	GSLV MK II	Chandrayan-3	
July??	Vulcan/Minotaur 6/Falcon 9 v1.1	JPSS-2	
July??	Vega C	Biomass	
July??	GSLV-Mk III.	Gaganyaan-2	
??	Soyuz ST B/Fregat-MT	EarthCare	
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	
Oct01.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)	
Launch site: ????????? (Vostochniy) Cosmodrome, Russia			
Oct16.	Atlas 5 401	Lucy	
Oct??	Soyuz-2-1A	Soyuz MS 19	
CDR: ???' ? ??' ????????? ????'????, ??? ? ????????? ? ??????			
Oct??	Atlas 5 401/Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)	
Oct??	Ariane 62	CSO-3	
Oct??	Antares 230	Cygnus OA-16	
??	Soyuz-2-1A	Soyuz MS 20	
??	Soyuz-2 1B	Progress M-UM	60
??	Falcon 9	PACE	
Dec??	Falcon 9	Dragon v2 USCV-3 (US Commercial Vehicles)	
CDR: Lindgren, ??(NASA), ??(RF)			
Dec??	Vega C	KOMPSAT 7	
Dec??	GSLV-Mk III.	Gaganyaan-3	
Dec??	Falcon 9	NROL-85 Intruder 13A713B	
Dec??	Falcon 9	NROL-87	
??	SLS-1	Artemis-1	Orion (unmanned trip around the Moon) Exploration Mission 1
(Distant Retrograde Orbit (DRO) Tactical DRM)			
??	Ariane 5	MTG-I1	



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??	Atlas 5 552	Dream Chaser Cargo System SNC-2	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	Seosat-Ingenio-2	
??	Vega	OpSis	
??	Vega_C	CERES (x3)	
??	Vega	SSMS – 2 (Small Spacecraft Mission Service)	
??	Vega	Proba 3	
??	??	Vega C Cosmo-SkyMed Secon Gen 2	CSG-2
??	Falcon 9	GPS IIIA-7	
??	Falcon 9	GPS IIIA-8	
??	Soyuz-2	Progress MS 20	
??	Soyuz-2-1B/Fregat-M	Transformable Modul	TM
??	Proton-M/Briz-M	Ekspress AMU 3 / Ekspress AMU 7	40
??	Proton-M/Briz-M	Elektro L – 4	
??	Proton-M/Briz-M	Space Drone x2	
??	Proton-M/Briz-M	Inmarsat-6 F2	
??	Proton-M/Briz-M	Kosmos	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2-1B/Fregat-M	Meteor M No2-4	
??	Soyuz-2-1B/Fregat-M	Smotr R ?1	
??	Proton-M/Briz-M	IntelSat	
??	Soyuz-2-1B/Fregat-M	Arktika M 2	
??	Soyuz-2-1B/Fregat-M	Kondor-FKA n.o 2	
??	Soyuz-2 1B /Fregat-M	Resurs ?5	
??	Angara A5/ Briz-M	Luch 5M	
??	Soyuz-2 1B /Fregat-M	Glonass K1 / 17	
??	Soyuz-2-1B/Fregat-M	Glonass K2 / 13	
??	Soyuz-2-1B/Fregat-M	Meteor M No2-3	
??	Soyuz-2-1A/Fregat-M	Gonets x 6	
??	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	20
??	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)	
??	??	?????????-?? ?1	
??	Zenit 3 SL /Fregat-SB	Lybid'	
Launch site: ???????? (Baikonur) Cosmodrome, Kazakhstan			





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

?? 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)

?? 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)

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2022.

Jan?? ?? Solar Sentinels

?? 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.

Mar?? Atlas 5 NROL-107 Silentbaker

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

Apr?? Soyuz-2-1A Soyuz MS 21  
 CDR: ?????????? ?????????????? ????????? (Nikolai Tikhonov), ????????? ??????????????  
 ????????? (Andrei Babkin),

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 (Jupiter ICy moon Explorer)

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



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June??	Ariane 5	MTG-I2	
June??	Atlas 5 402	USCV-4 (US Commercial Vehicles)	
??	SLS-1	Artemis-2	Orion (manned trip around the Moon)
??	Sunkar ??		
??	Soyuz-2	Progress MS 20	
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: ???????? (Baikonur) Cosmodrome, Kazakhstan
Aug??	H2B	Phobos sample return	
Aug??	Atlas 5 411	SBIRS-GEO 6	
Oct??	Soyuz-2-1A	Soyuz MS 22	
Oct??	Vega C	Biomass	
??	Soyuz-2-1A	Soyuz MS 23	
Dec??	Soyuz ST B/Fregat-MT	MetOp-SG B1	
Dec??	Vega C	FLEX (Fluorescence Explorer satellite)	
Dec??	Delta IV-H	NROL-68	
Dec??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)	
Dec ??	Soyuz 5 / DM	??	
??	Sunkar	Federatsia (unmanned)	
??	Soyuz-2	Progress MS 21	
??	Falcon 9	GPS IIIA-9/GPS IIIB-1	
??	Falcon 9	GPS IIIA-10/GPS IIIB-2	
??	Proton-M	???-1	
??	Proton-M/Briz-M	Ekspress – AMU 5	
??	Proton-M/Briz-M	Ekspress – AMU 6	
??	Proton-M/Briz-M	Ekspress – RV 3, Ekspress – RV 4	
??	Proton-M/Briz-M	Yenisey A1	
??	Proton-M/Briz-M	????-501	
??	Proton-M/Briz-M	????-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	



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??	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
??	Soyuz-2-1B	Obzor R -2
??	Soyuz-2-1B	Obzor O -1
??	Soyuz-2-1B/Fregat-M	Ellips - 1
??	Angara A5P/DM03	Dopler 1, 2
??	Soyuz-2-1B/Fregat-M	Meteor M No2-5
??	Soyuz-2-1B/Fregat-M	Arktika M 3
??	Soyuz-2-1B/Fregat-M	Resurs PM - 2
??	Vega C Space Rider 3	
??	Vega C Space Rider 4	
??	Soyuz ST B/Fregat-MT	Sentinel-1C
??	CZ	SPORT (Solar Polar Orbit Radio Telescope)
??	CZ	FY-4D Fengyun-4D
??	CZ	Chang'e-7 (Moon south pole landing)
??	GSLV MK III	Shukrayaan (Venus orbiter)



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??	Angara A5P/DM03	Lutch 5 – 2
??	Soyuz-2-1b	Bion-M No. 2
??	Angara A5P/DM03	Lutch 5 – 3
??	??	???? GK 2
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)
2024		
Feb??	Delta IV-H	NROL-70
Apr??	Soyuz-2-1A	Soyuz MS 26
June??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
Sep??	GSLV MK III	Mangalyaan – 2 Mars Orbiter
Oct??	Soyuz-2-1A	Soyuz MS 27
Oct??	EELV	GOES-U
Dec??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
??	SLS-1	Artemis-3 Orion (EM-3 Crew to Gateway with landing on Moon)
??	Sunkar	Federatsia (Light 14t – 2 man to ISS)
??	Soyuz-2	Progress MS 25
??	Soyuz-2	Progress MS 26
??	Soyuz-2	Progress MS 27
??	Soyuz-2 1b	Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	Proton-M / DM-03	Spektr - UF
??	Soyuz-2-1B/Fregat-M	Resurs PM - 4
??	Angara 1.2	Gonets x 2, Gonets M
??	Soyuz-2-1B/Fregat-M	Arktika M 4
??	??	???? GK VEO 1
??	Soyuz-2-1A	Obzor P -1
??	Soyuz-2-1B/Fregat-M	Razdan - 3
??	Soyuz-2-1B/Fregat-M	Meteor M No2-6
??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission
??	CZ-5	Chang'e-6 Moon polar area sample return
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)

2025



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June??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)
??	SLS-1B Artemis-4	Orion (EM-4 Crew to Gateway with landing on Moon)
Dec??	Atlas 5 402 / Falcon 9	USCV-11 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)
??	Soyuz-2-1A	Soyuz MS 28
??	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
??	??	???? GK VEO 2
??	??	???? 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.

June??	Atlas 5 402 / Falcon 9	USCV-12 (US Commercial Vehicles)
Dec??	Atlas 5 402 / Falcon 9	USCV-13 (US Commercial Vehicles)
??June??	Angara A5P/KVTK	A mission to Venus (Venera D) 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)
??	Angara A5/DM03	Bumerang (FobosGrunt 2)

2027.

June??	Atlas 5 402 / Falcon 9	USCV-14 (US Commercial Vehicles)
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2069.

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