



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (03.04.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **03.Apr.2017**.

Apr 08. 1500UTC [Atlas 5](#) 401 [Cygnum](#) Orb-7 (CRS-7)
Launch site: [Cape Canaveral](#), USA

Apr11. 1447UTC [Soyuz ST](#) B/[Fregat](#)-MT (VS17) [SES 15](#)
Launch site: [Kourou](#), French Guiana

Apr15. [PSLV](#) C38 [Cartosat-2E](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Apr16. **1100UTC** [Falcon 9](#) [NROL 76](#)
Launch site: [Cape Canaveral](#), USA

Apr20. 0713UTC [Soyuz-2](#) 1A [Soyuz MS](#) 4 (S51/52)
CDR: Fyodor Yurichkhin, Jack D. Fischer
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Apr23. 1020UTC CZ7 [Tianzhou 1](#) TZ 1 (Logistic Cargo Vehicle)
Launch site: [Wenchang](#), China

Apr30. 2316UTC [Falcon 9](#) FT [Inmarsat 5 F4](#)
Launch site: [Cape Canaveral](#), USA

Apr?? [CZ-3B/G2](#) SJ-13 Shijian-13A; Shijian-13B (GEO ZX-16 Zhongxing-16 satellite with electric propulsion system based on DFH-3B bus)

Apr?? [Ariane 5](#) ECA (VA236) [SGDC 1](#) / [Koreasat-7](#) (Mugungwa 7)
Launch site: [Kourou](#), French Guiana **120**

May**14. 0430UTC** [Falcon 9](#) [Dragon](#) SpX-11 (CRS11)
Launch site: [Cape Canaveral](#), USA

May?? [GSLV](#) MK II F09 [GSAT-9](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

May?? [Proton-M/Briz-M](#) [EchoStar 21](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

May?? [Ariane 5](#) (VA237) [ViaSat-2](#) / [Eutelsat 172B](#)
Launch site: [Kourou](#), French Guiana

May?? [Falcon 9](#) FT BulgariaSat

June13. [Atlas 5](#) 541 NROL-42 Trumpet Follow On 2

June14. [Soyuz-2](#) 1A [Progress MS](#) 6

June17. [Falcon 9](#) FT [Iridium Next](#) Flight 2 (x10)

June28. [Ariane 5](#) ECA (VA238) EuropaSat (HellasSat 3) / GSAT-17



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June29.	Soyuz-2 1A / Fregat M	Kanopus V I K	
Launch site:	Байконур (Baikonur) Cosmodrome, Kazakhstan		110
June??	Proton-M/Briz-M	Blagovest (14Ф149)	
Launch site:	Байконур (Baikonur) Cosmodrome, Kazakhstan		
June??	CZ-2D	Hard X-ray Modulation Telescope (HXMT)	
	HXMT comprises three to four single telescopes equipped with hard X-ray detectors, instead of optical lenses, and will be used to observe space black holes.		
Launch site:	Jiuquan , China		
June??	GSLV MK III	D1 GSAT-19E	
Launch site:	Satish Dhawan Space Centre , Sriharikota, India		
June??	CZ-3B/E	Alcomsat-1	
June??	LS-1	LandSpace-1	
June??	CZ-5	SJ-18 (DFH5 bus)	
June??	CZ-2D	Shaonian Xing	
June??	Falcon 9 FT	Intelsat 35e	
June??	Falcon 9 FT	SES 11	
July15.	0500GMT	Minotaur-4/Orion 38ORS-5: SensorSat	100
July22.	Falcon 9 FT	Formosat 5	
July25.	Vega (VV10)	Venµs, OPTSAT 3000	
July28.	Soyuz-2 1A	Soyuz MS 5 (S52/53)	
CDR:	Сергей Николаевич РЯЗАНСКИЙ (Sergei N. Ryazansky), Paolo Nespoli (ESA), Randolph J. Bresnik		
July??	CZ-3B/YZ-1	Beidou 3 MEO M1, Beidou 3 MEO M2	
July??	Falcon 9 FT	KoreaSat 5A	
July??	CZ-3B/G2	ZX-9A Zhongxing-9A	
July??	Proton-M/Briz-M	Amazonas 5	
Aug01.	Falcon 9 FT	Dragon SpX-12	
Aug03.	1240UTC	Atlas 5 401 (AV075)	TDRS-M
Aug24.	Falcon 9 FT	Iridium Next Flight 3 (x10)	90
Aug31.	Atlas 5 421 (AV076)	NROL-52 (Quasar 21)	
Aug??	CZ-2D	ZH-1 Zengheng 1 (ESEM experimental satellite on Electromagnetism Monitoring)	
Aug??	CZ-2D	Fengmaniu-1	
Aug??	Rokot / Briz KM	Sentinel-5 Precursor	
Aug??	Pegasus-XL	ICON (Helio EX-1)	
??	Epsilon (Jap)	ASNARO 2	
??	Ariane 5 ECA	Al Yah 3	
??	Ariane 5 ECA	BSat 4a	



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Sep12. [Soyuz-2](#) 1A [Soyuz MS](#) 6 (S53/54)
 CDR: Александр Александрович **МИСУРКИН** (Aleksandr A. Misurkin), Mark T. Vande Hei, Joseph M. Acaba

Sep23. Delta II 7920-10C [JPSS-1](#) 80

Sep30. Falcon Heavy STP-02

Sep?? [CZ-2D](#) VRSS-2 (Bolivia Remote Sensing Satellite)

Sep?? [CZ-3B/G2](#) ZX-6C Zhongxing-6C

Sep?? [CZ-2D](#) GF-5 Gaofen-5

Sep?? Zenit 3-SLB / DM-SLB AngoSat

Sep?? [CZ-4B](#) FY-3D Feng Yun-3D

Sep?? [CZ-3B/YZ-1](#) Beidou 3 MEO M3, Beidou 3 MEO M4

Sep?? [GSLV](#) MK II F11 GSAT-6A

Sep?? Minotaur-C XL SkySat 8/9/10/11/12

?? [Rokot / Briz KM](#) [Gonets](#) x 3 (No 24,25,26), Blits-M

Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia 70

?? [Falcon 9](#) FT SES-16

?? [Falcon 9](#) FT ORS-6

?? [Rokot / Briz KM](#) Geo IK 2

?? [Soyuz-2-1V](#) / Volga Гонец-M1

?? [PSLV](#) IRNSS-1H

?? Falcon H Demo Flight

Oct01. [Antares](#) 230 [Cygnus](#) Orb-8

Oct11. [Atlas 5](#) (531) (AV074) AEHF-4

Oct12. [Soyuz-2](#) 1A [Progress MS](#) 7

Oct18. [Delta IV](#)-M+ (5,2) NROL-47 (Topaz 5) 60

Oct?? [Falcon 9](#) FT SAOCAM 1A

Oct?? [Ariane 5](#) Hylas 4

Oct?? CZ Ministar-1

Oct?? [Falcon 9](#) FT [Dragon](#) SpX-13

Oct?? CZ-11 TY-2, 3, 4, 5 Tianyi

Oct?? [Falcon 9](#) FT [Iridium Next](#) Flight 4 (x10)

Oct?? [CZ-3B/YZ-1](#) Beidou 3 MEO M5, Beidou 3 MEO M6

Oct?? [Proton-M/Briz-M](#) AsiaSat-9

Nov09. [Atlas 5](#) 401 (AV078) SBIRS-GEO 4

Nov30. [Soyuz-2](#) 1A [Soyuz MS](#) 7 (S54/55) 50

CDR: Alexander Skvortsov, Norishige Kanai, Scott Tingle

Nov?? [Falcon 9](#) Dragon v2 unmanned test

Nov?? [Rokot / Briz KM](#) Sentinel 3B

Nov?? CZ-5 Chang'e-5 (Sample return)

Nov?? [Soyuz-2](#) 1A / Fregat Kanopus V 3, Kanopus V 4

Nov?? [Vega](#) (VV11) Aeolus / ADM



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??	Ariane 5 ES	Galileo-FOC FM15 (Nicole), Galileo-FOC FM16 (Zofia), Galileo-FOC FM17 (Alexandre), Galileo-FOC FM18 (Irina)	
??	Falcon 9 FT	SES-14 / GOLD	
??	Proton-M / DM 3	Electro-L N3	
Dec16.	Falcon 9 FT	Bangabandhu-1	
Dec28.	PSLV	Team Indus	40
Dec??	CZ-2D	GJ-3 GaoJing-3, GJ-4 GaoJing-4	
Dec??	Falcon 9 FT	Grace-FO	
Dec??	Soyuz-2-1B /Fregat-M	Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2	
Dec??	Falcon 9 FT	Iridium Next Flight 5 (x10)	
Dec??	CZ-3B /YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8	
Dec??	CZ-3C	Beidou 2 G8	
Dec??	Ariane 5 ECA	GSAT-11	
??	Falcon 9 FT	PSN VI	
??	Falcon 9 FT	PAZ	
??	Ariane 5 ECA	EDRS-C (Hylas 3)	30
??	Proton-M /Briz-M	Kosmos	
??	Soyuz-2-1V	Kosmos 14F150 (geodesy??)	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	Soyuz-2-1B / Fregat Tundra 2		
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	Soyuz-2-1B /Fregat-M Glonass-M / 56		
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	Angara 1.2	Kosmos	
??	Soyuz-2-1B	Persona – 3	
??	Angara A5/ DM03	Kosmos	
??	Zenit 3 SL /Fregat-SB	Lybid'	
??	Proton-M / DM-03	Glonass-M / ??	
??	Soyuz-2-1B	Pion	20
??	Soyuz-2-1B	Labirint 11	
??	Ariane 5 ECA	SES 12	
??	Ariane 5 ECA	Azerspace 2 (Intelsat 38)	
??	CZ-?? CAS-4A , CAS-4B		
Launch site: Taiyuan , China			
??	CZ-3A	FY-2H Fengyun-2H	
??	CZ-2D	GF-6 Gaofen-6	
??	CZ-2	CAS-2A1, CAS-2A2	
??	CZ	YG-32 Yaogan Weixing 31	
??	CZ	YG-32 Yaogan Weixing 32	
??	CZ	Orbita-1 1	10
??	CZ-2D	SaudiSAT 5B	
??	CZ-2D	JL-3 Jilin-3	



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?? ?? LJ-1 Luojia-1
 ?? CZ Tianyi
 ?? [CZ-4C](#) Hede-1

?? [PSLV](#) IRNSS-1I

?? [H-2A](#) [IGS Optical-6](#)
 ?? [H-2A](#) QSZ-3

?? Tronador II/VEX5 TBD (suborbital)
 Launch site: Puerto Belgrano, Argentina

?? [Simorgh](#) [Dosti](#)
 Launch site: [Semnan](#), Iran

4 + (24)
 18 + (128)

2018.

Jan?? [Vega](#) Seosat (Ingenio)

?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M/](#) 52 140

Feb?? [Falcon 9](#) FT [Dragon](#) SpX-14
 Feb?? [Soyuz-2](#) 1A [Progress MS](#) 8
 Feb?? [Falcon 9](#) FT [Iridium Next](#) Flight 6 (x10)
 Feb?? [CZ-3B/YZ-1](#) Beidou 3 MEO M9, Beidou 3 MEO M10

?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13
 ?? [Soyuz-2-1B/Fregat-M](#) Meteor M-2-2, Ionosfera 3, Ionosfera 4
 ?? [Soyuz ST](#) B/Fregat-MT O3b

Mar15. [CZ-3B/GII](#) APStar-6C

Mar30. [Soyuz-2](#) 1A [Soyuz MS](#) 8 (S55/56)
 CDR: ??, Andrew Feustel, [Ricky Arnold](#)

Mar20. [Falcon 9](#) FT TESS

Mar?? [Proton-M](#) rocket to launch Spektr-Rentgen-Gamma X-Ray observatory from Baikonur. 1900 kg Spectr-RG is a joint Russian-German X-ray observatory carrying two telescopes developed and produced by German and Russian partners. The primary instrument is German eRosita, complemented by Russian ART-XC. Main tasks of the project are studies of the sky in X-ray energy range, which can provide clues for the mystery of dark energy.

Mar?? [PSLV](#) Cartosat-3
 Mar?? [Atlas 5](#) (541) GOES-S
 Mar?? [Atlas 5](#) 551 AFSPC-11
 Mar?? [Antares](#) 230 [Cygnus](#) Orb-9
 Mar?? [Soyuz ST](#) B/Fregat-MT OneWeb smalsat (x10)
 Mar?? [CZ-3B/YZ-1](#) Beidou 3 MEO M11, Beidou 3 MEO M12

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



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??	Delta IV-M+(4,2)	GPS III-1	
??	GSLV MK III D2	GSAT-20	120
??	GSLV Mk II D9	Chandrayaan 2	
India's second mission to the moon called Chandrayaan - II is likely to be launched by GSLV MkII. The project will include a robotic vehicle that will move around on after achieving a soft landing on the moon.			
Apr??	Falcon 9 FT	Dragon SpX-15	
Apr??	Soyuz-2 1A	Progress MS 9	
Apr??	Falcon 9 FT	Iridium Next Flight 7 (x10)	
May05.	Atlas 5 401	InSight	
Launch site: Vandenberg , USA			
May30.	Soyuz-2 1A	Soyuz MS 9 (S56/57)	
CDR: Александр Михайлович Самокутнев (Aleksander M. Samokutyev), Jeanette J. Epps, Alexander Gerst			
May??	Falcon 9	GPS IIIA-2	
May??	Falcon 9	Dragon v2 manned test	
May??	Ariane 5 ECA	GEO-KOMPSAT-2A	
May??	CZ-3B/YZ-1	Beidou 3 MEO M13, Beidou 3 MEO M14	
June??	CZ	L2 Chang'e 4 communications relay satellite	
June??	CZ-2C	Pakistani Remote Sensing Satellite (PRSS) 1	
?June??	Atlas 5 422	CST-100 Starliner (unmanned test)	
June??	Delta II 7320-10C	ICESat-II	
June??	Proton-M	MLM	
??	Proton-M	PTK NP	
??	Vega	TARANIS	
??	Soyuz-2 1B / Fregat-M	Glonass K1 / 15	
??	Soyuz ST	CSO 1	
??	Vega	Prisma	100
??	Vega	Cosmo-SkyMed Secon Gen 1	CSG-1
July01.	Soyuz-2	Progress MS 10	
July??	PSLV	Oceansat-3	
July??	Delta 4-H	Solar Probe Plus	
Aug??	Soyuz ST B/ Fregat-MT	EarthCare	
Aug??	Falcon 9 FT	Dragon SpX-16	
Aug??	Atlas 5 422	CST-100 Starliner (manned test)	
Aug??	CZ-3C	Beidou 2 I7	
??	Soyuz ST B/ Fregat-MT	OneWeb smalsat (x32)	
Sep30.	Soyuz-2 1A	Soyuz MS 10 (S57/58)	
CDR: Геннадий Иванович Падалка (Padalka), Бабкин (Andrei Babkin), Nick Hague			
Sep??	Atlas 5 402 / Falcon 9	v1.1 USCv-1 (US Commercial Vehicles)	
Sep??	CZ-3B/YZ-1	Beidou 3 MEO M15, Beidou 3 MEO M16	
??	Soyuz ST B/ Fregat-MT	OneWeb smalsat (x32)	



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Oct15.	Ariane 5 ES	JWST (James Webb Space Telescope)	
Oct16.	Soyuz-2	Progress MS 11	
Oct31.	Atlas 5	Solar Orbiter (SoIO) (ESA)	
Oct??	Falcon 9 FT	Dragon SpX-17	
Oct??	Ariane 5	BepiColombo ESA and ISAS Mercury Orbiters	
Oct??	Antares 230	Cygnus Orb-10	
Oct??	Soyuz ST B/Fregat-M	MetOp-C	80
Oct??	CZ-3C	Beidou 3 G1Q	
??	Proton-M/ DM-03	Glonass-M/ K16,K17,K18	
??	Ariane 5 ECA	Intelsat 39	
??	CZ-5	Tian He Space Station Core Module	
Nov30.	Soyuz-2 1A	Soyuz MS 11 (S58/59)	
CDR:	Конonenko (Oleg Kononenko), Serena Auñón-Chancellor , David Saint-Jaques (Can)		
??	Minotaur 1	NROL 111	
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)	
Nov??	SLS-1	Orion (unmanned trip around the Moon)	Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
Dec??	CZ-3B/GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)	
Dec??	Falcon 9 FT	Dragon SpX-18	
Dec??	Vega	CHEOPS	
Dec??	Antares 230	Cygnus OA-11	
Dec??	Atlas 5 402 / Falcon 9	v1.1 USCv-2 (US Commercial Vehicles)	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M17, Beidou 3 MEO M18	
??	CZ-2F/G	SZ-12 Shenzhou-12	
??	Falcon H	Circumlunar Dragon V2	
??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 14	
??	Ariane 5	Heinrich Hertz	
??	Falcon 9 v1.2	Radarsat Constellation Mission (x3)	60
??	Falcon 9 v1.2	OHB SARah satellite (x2)	
??	Falcon 9 v1.2	WGS 10	
??	Minotaur-4	FORMOSAT-7 (6 sat)	
??	Atlas 5 551	AFSPC-7	
??	??	Landsat 9	
??	??	AEHF 5	
??	Falcon 9 FT	Es'hail 2	
??	Soyuz-2 1B	Progress M-UM	
??	Proton-M	НЭМ-1	
??	Proton-M/Briz-M	Ямал-501	
??	Soyuz-2 -1B/ Fregat -M	Метеор-М №3	
??	Soyuz-2-1V / Volga	Обзор-О №2	
??	Soyuz-2 -1A/ Fregat	Resonance 1A, Resonance 1B	

RESONANCE is a project to study Earth's magnetosphere consisting of four similar satellites.



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??	Rokot / Briz KM	Gonets x 3 (No 27,28,29)	
??	Proton-M/Briz-M	AOneSat-1	
??	Falcon 9 v1.2	Dragon v2	
??	Soyuz-2-1B	Arktika M 1	
Launch site:	Восточный (Vostochniy), Cosmodrome, Russia		
??	Soyuz-2-1B/Fregat-M	Arktika M	
??	Soyuz-2-1B/Fregat-M	Arktika M 2	
??	Proton-M/Briz-M	Ямал-601	
??	Proton-M/Briz-M	Terrestar-2	40
??	Proton-M/Briz-M	SkyTerra 2	
??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	Proton-M/Briz-M	Elektro L - 3	
??	Soyuz-2-1B	Lotos S1	
??	Soyuz-2-1B	Persona	
??	Soyuz-2-1A	Kobalt M	
??	Soyuz-2-1A	Foton M	
??	Soyuz-2-1B/Fregat M	Meridian	
??	Soyuz-2-1B/Fregat-M	Smotr R №1	
??	??	Zond	
??	??	MKA PN6 (Monika)	
??	??	Картограф-ОЭ №1	
??	Ariane 5 ES	Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC FM21 (Anna), Galileo-FOC FM22 (Ellen)	
??	Ariane 5 ECA	Intelsat 37e	
??	Ariane 5 ECA	Hellas-Sat-4	
??	Ariane 5 ECA	DSN 1 (Superbird-8)	
??	CZ-2D	SJ-12 Shijian-12 (2)	
??	CZ-2D	TH-2 Tianhui-2	
??	CZ-2C	CSES-1 Earthquake electromagnetism monitor satellite	
??	??	FY-3 Fengyun-3 RM-1	
??	??	VeneSat-2	20
??	CZ-3B/E	CC-1 Changcheng-1	
??	CZ-2D	GF-7 Gaofen-7	
??	CZ	CBERS-SAR 1	
??	CZ	Deep Space Solar Observatory	
??	CZ	CBERS-4B	
??	CZ-3B/E	SupremeSAT-II	
??	CZ-3B/E	CongoSat 1	
??	CZ-3B/E	Apstar-6D	
??	??	Small Military Meteorological Satellite (x6)	
??	CZ	FY-3E Fengyun-3E	
??	CZ	FY-4B Fengyun-4B	
??	CZ-4B	Haiyang-1C	HY-1C



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Launch site: [Taiyuan](#), China

?? CZ-4B HY-1D Haiyang-1D
 ?? CZ-4B HY-2B Haiyang-2B

?? [GSLV](#) MK II F12 GSAT-7A
 ?? [GSLV](#) MK II F10 GISAT
 ?? [PSLV](#) EnMap

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

2019.

Feb?? [CZ-3C](#) Beidou 3 I1Q
 Feb?? [Falcon 9](#) GPS IIIA-3

Mar30. [Soyuz-2](#) 1A [Soyuz MS](#) 12
 CDR: ??, **Кудь-Сверчков/Матвеев** (Serguei Kud'-Sverchkov/Denis Matveev), NASA

?? [Proton-M](#)/ DM3 3xGlonass K2 / K19, K20, K21

Apr?? ?? GOES-T
 Apr?? Epsilon SLIM (Smart Lander for Investigating Moon)
 Apr?? [CZ-3B/E](#) Nicasat 1
 Apr?? [CZ-3C](#) Beidou 3 I2Q

?? CZ7 TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)

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

May?? [Falcon 9](#) FT [Dragon](#) SpX-19
 May?? [Atlas 5](#) 402 / [Falcon 9](#) v1.1 USCV-3 (US Commercial Vehicles)

June30. [Soyuz-2](#) 1A Soyuz MS 13

June?? [Atlas 5](#) 401 STP-03
 June?? [Ariane 5](#) MTG-I1

?? [PSLV](#) RISAT 1A
 ?? [CZ-3B/G2](#) TECSTAR 1

July?? [CZ-3C](#) Beidou 3 I3Q

Sep30. [Soyuz-2](#) 1A Soyuz MS 14

Sep?? [Soyuz-2-1B/Fregat-M](#) Glonass K1 / 22

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

Oct?? [Atlas 5](#) 552 Dream Chaser Cargo System
 Oct?? [CZ-3B/YZ-1](#) Beidou 3 MEO M19, Beidou 3 MEO M20

Nov29. [Soyuz-2](#) 1a / [Fregat](#) Luna 25 (Luna-Glob-1)



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??	Vega	Proba 3	
Dec??	Atlas 5 402 / Falcon 9 v1.1	USCV-4 (US Commercial Vehicles)	
Dec??	CZ-3B /YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
??	Falcon 9 v1.1	Astrium active SARah satellite	
??	Falcon 9	GPS IIIA-6	
??	Falcon 9 v1.2	GPS IIIA-7	
??	Falcon 9 v1.2	GPS IIIA-8	
??	Delta IV -M+(4,2)/ Atlas 5 421	GPS IIIA-9/GPS IIIB-1	
??	Delta IV -M+(4,2)/ Atlas 5 421	GPS IIIA-10/GPS IIIB-2	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	??	AEHF-6	
??	Vega	Jason-CS A	
??	Vega	EarthCare	
??	Vega	OpSis	
??	Vega	VNREDSat	
??	Vega	LOTUSat	
??	Ariane 5 ECA	Jabiru 2	
??	Ariane 5	Arsat 3	
??	Ariane 5 ECA	Jabiru-1	
??	Soyuz-2	Progress MS 12	
??	Soyuz-2	Progress MS 13	
??	Proton-M / Briz-M	Elektro L - 5	
??	Soyuz ST / Vega	MicroCarb	
??	Soyuz ST B/ Fregat -MT	Sentinel-1C	
??	Ariane 5	ViaSat-3	
??	Ariane 5	JCSat 17	
??	Soyuz-2-1B / Fregat -M	Glonass-M / 53	
??	Soyuz-2-1B / Fregat	Glonass M/ 58	
??	Soyuz-2-1B / Fregat	Glonass M / 59	
??	Soyuz-2-1B / Fregat	Glonass M / 60	
??	CZ	FY-3F Fengyun-3F (Batch 2)	
??	CZ	FY-3 Fengyun-3 RM-2	
??	CZ-4B	HY-2D Haiyang-2D	
??	CZ	Sun Fixed-Point Observation	
??	CZ	HY-3A Haiyang-3A	
??	CZ-4B	HY-2C Haiyang-2C	
??	PSLV XL	Aditya'	

2020.

July?? [CZ-3C](#) Beidou 3 G2Q

Mar30. Soyuz 2-1A Sojuz MS-15



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Mar??	Delta IV-M	DMSP-5D3 F20
Mar??	Soyuz-2-1B/Fregat-M	Glonass K1 / 22
Apr??	CZ-3B/YZ-1	Beidou 3 MEO M23, Beidou 3 MEO M24
??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-14 Shenzhou-14
??	CZ-3B/G2	ZX-18 Zhongxing-18
June??	Atlas 5 402 / Falcon 9 v1.1	USCV-5 (US Commercial Vehicles)
June??	Ariane	MTG-S1/Sentinel-4A
June??	CZ-3C	Beidou 3 G3Q
??	Soyuz ST B/Fregat -MT	MetOp-SG A1/EP-SG-a/Sentinel-5A
??	Proton-M/Briz-M	ExoMars (CM+DM)
July??	Atlas V (541)	Mars 2020 rover NASA's exit from a joint sample-collection campaign with Europe aims to send a \$700 million mission to the red planet in 2018 or 2020. The replanned Mars mission, referred to in budget documents as Mars Next Generation, will carry a price tag that falls somewhere between that of the 2013 Maven Scout mission and the 2005 Mars Reconnaissance Orbiter, which cost \$485 million, and more than \$720 million, respectively.
??	CZ 5	Mars probe (orbiter + lander + rover)
Aug05.	Proton-M/Briz-M	ExoMars An ESA exobiology rover equipped with a deep drill developed by Astrium Satellites in the United Kingdom will launch in 2018. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface.
??	CZ-5B	Wentian Lab module Space station module
Sep30.	Soyuz 2-1A	Sojuz MS-16
Sep??	CZ	CBERS-6
Sep??	Soyuz-2-1B/Fregat-M	Glonass K2 / 15
Dec??	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.	
Dec??	Atlas V Landsat 9	
Dec??	Atlas 5 402 / Falcon 9 v1.1	USCV-6 (US Commercial Vehicles)
??	GSLV-Mk III.	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).
??	??	SWOT
??	??	PACE
??	??	EX-4
??	??	ACE
??	??	HypIRI
??	Antares	IMAP/STP-05
??	Falcon H	ViaSat 3



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??	Soyuz-2	Progress MS 14
??	Soyuz-2	Progress MS 15
??	Soyuz-2	Progress MS 16
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)
??	Proton-M/Briz-M	Ekspress - 103
??	Soyuz-2-1B/Fregat-M	Arktika M 3
??	Soyuz-2-1B/Fregat-M	Glonass K2
??	Soyuz-2-1B/Fregat-M	Resurs PM - 1
??	Soyuz-2-1B/Fregat-M	Meteor M No2-3
??	Angara 1.2	Kompsat-6
??	Vega	Sentinel-2C
??	Vega	Sentinel-3C
??	??	Biomass
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	CZ	Recoverable Moon Probes
??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	GSLV MK III	MOM-2 Follow on Mars Mission
??	H-IIA	Hope (UAE mission to Mars)
??	CZ	HY-3B Haiyang-3B
2021.		
??	Soyuz-2	Progress MS 17
Mar30.	Soyuz-2 -1A	Sojuz MS-17
Apr??	Soyuz ST B/ Fregat M	MarcoPolo-R
May??	Proton-M / DM-03	Spektr - UF
June??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	Soyuz-2	Progress MS 18
??	CZ-2F/G	SZ-15 Shenzhou-15
July??	Vulcan/Minotaur 6/ Falcon 9 v1.1	JPSS-2
Aug??	SLS Block I	Orion: Exploration Mission 2 (Crew to Cislunar) Mission)
Sep30.	Soyuz-2 -1A	Sojuz MS-18
Oct??	Atlas 5 401/ Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)
Oct??	Angara A5P	Federatsia (unmaned)
Dec??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
??	SLS Block I	Europa Clipper



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??	Soyuz-2	Progress MS 19	
??	Soyuz-2-1B/Fregat-M	Transformable Modul	TM
??	Soyuz-2 1b	Luna 27 (Luna-Resurs PA)	Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	Proton-M/Briz-M		Ekspress – RV1, RV2
??	Soyuz-2-1B/Fregat-M	Resurs PM - 2	
??	Soyuz-2-1B/Fregat-M	Meteor M No2-4	
??	Soyuz-2-1B/Fregat-M	Meteor M No2-5	
??	Soyuz-2-1B/Fregat-M	Meteor M No3	
??	Angara 1.2		Gonets x 3
??	Soyuz-2-1B		Obzor R -1
??	Angara A5P/DM03		Lutch 5 – 2
??	??		Ямал GK 1
??	Soyuz-2-1b		Bion-M No. 2
??	Angara A5P/DM03		Enisei A-1
??	Vega	Sentinel-1A 2nd Gen	
??	Soyuz ST / Vega	Merlin	
??	CZ	Venus Global Sensing Probe	
??	CZ	FY-3G Fengyun-3G (Batch 2)	
2022.			
Jan??	??	Solar Sentinals	
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	Sojuz MS-19	
Apr??	Angara A5/ DM 03	Elektro M – 1-2	
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vechile)	
??	CZ-2F/G	SZ-16 Shenzhou-16	
June??	Ariane 5ECA	JUICE (JUperiter ICy moon Explorer)	
June??	Ariane 5	MTG-I2	
June??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)	
??	CZ-5B	Xuntian Lab module	Space station module
Aug??	H2B	Phobos sample return	
Sep30.	Soyuz-2-1A	Sojuz MS-20	
Sep??	Soyuz ST B/Fregat-MT	MetOp-SG B1	
Dec??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)	



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??	Soyuz-2	Progress MS 20	
??	Soyuz-2	Progress MS 21	
??	Soyuz-2	Progress MS 22	
??	Proton-M/Briz-M		Ekspress – AMU 5
??	Proton-M/Briz-M		Ekspress – AMU 6
??	Proton-M/Briz-M		Ekspress – RV 4
??	Angara 1.2		Gonets x 3
??	Angara A5P/DM03		Lutch 5 – 3
??	??		Ямал GK 2
??	Ariane 5		Moon's south pole samples return mission
??	Vega		Jason-CS B
??	Ariane 5		ATHENA
??	CZ	HY-3C Haiyang-3C	
2023.			
Mar30.	Soyuz-2 -1A	Sojuz MS-21	
June??	Atlas 5 402 / Falcon 9		USCV-11 (US Commercial Vehicles)
Sep30.	Soyuz-2 -1A	Sojuz MS-22	
Dec??	Atlas 5 402 / Falcon 9		USCV-12 (US Commercial Vehicles)
??	SLS Block IA II		Orion: Exploration Mission 3 (Crew to Cislunar)
??	Angara A5P		Federatsia (unmaned flight to ISS)
??	Angara A5P		Federatsia (Light 14t – 2 man to ISS)
??	Soyuz-2	Progress MS 23	
??	Soyuz-2	Progress MS 24	
??	Soyuz-2	Progress MS 25	
??	A Russian Proton/Briz-M (or Angara) rocket to launch the Laplas-P mission to orbit the moon of Jupiter Ganymede.		
regions of the Moon back to Earth.			
??	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
??	Vega		Sentinel-2A 2nd Gen
??	CZ		SPORT (Solar Polar Orbit Radio Telescope)
??	CZ		FY-4D Fengyun-4D



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??	CZ5	Chang'e-6 (Moon far side sample return)
??	GSLV MK III	Mission to Venus
2024		
Mar30.	Soyuz-2 -1A	Sojuz MS-23
June??	Atlas 5 402 / Falcon 9	USCV-13 (US Commercial Vehicles)
Sep30.	Soyuz-2 -1A	Sojuz MS-24
Oct??	EELV	GOES-U
??	SLS Block IA II	Orion: Exploration Mission 4 (Crew to Cislunar)
??	Soyuz-2	Progress MS 26
??	Soyuz-2	Progress MS 27
??	Soyuz-2	Progress MS 28
??	Soyuz-2 1b	Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples
??	Proton-M/Briz-M	Ekspress – AMU 9
??	Soyuz-2 -1B/ Fregat -M	Resurs PM - 4
??	Soyuz-2 -1B/ Fregat -M	Meteor MP No1
??	Angara 1.2	Gonets x 2, Gonets M
??	Angara A5P/DM03	Lutch 5 – 4
??	??	Ямал GK 3
??	Soyuz-2 -1B/ Fregat -M	Arktika M 4
??	Angara A5P/DM03	Bumerang (FobosGrunt 2)
??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)
2025		
??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)
??	Soyuz-2 -1A	Sojuz MS-25
??	Soyuz-2	Progress MS 29
??	Angara 1.2	Gonets x 3
??	Soyuz-2 -1B	Obzor O -2
??	Soyuz-2 -1b	Bion-M No. 3
??	Soyuz-2 -1B/ Fregat -M	Arktika M 5
??	Soyuz-2 -1B/ Fregat -M	Ellips - 2
??	Angara A5P/KVTK	Enisei A-2
??	Soyuz-2 -1B/ Fregat -M	Resonans 2A, 2B, MKA-PN5
??	Soyuz-2 -1B/ Fregat -M	Smotr R №2



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- ?? CZ Chang'e-7 (Moon south pole landing)
- 2026.
- 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)