



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (19.06.2016.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 19.June.2017.

June19. 1810UTC Falcon 9 FT (reused B1029) BulgariaSat

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

June23. Soyuz-2-1V ??Kosmos 14F150 (geodesy??)

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

June25. 2025UTC Falcon 9 FT Iridium Next Flight 2 (x10)

Launch site: [Vandenberg](#), USA

June28. 2055UTC Ariane 5 ECA (VA238) EuropaSat (HellasSat 3)/GSAT-17 Launch site: [Kourou](#),
French Guiana 100

June28. PSLV C38 Cartosat-2E

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

June?? CZ-2D Shaoinian Xing (Junior star)

Launch site: [Jiuquan](#), China

?? Dnepr UniSat-7

Launch site: ([Dombrovskiy](#)), Russia

July01. 2330UTC Falcon 9 Intelsat 35e

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

July02. CZ-5 SJ-18 (DFH5 bus)

Launch site: [Wenchang](#), China

July14. 0636UTC Soyuz-2 1A / Fregat M Kanopus V IK

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

July15. 0500GMT Minotaur-4/Orion 38ORS-5, SensorSat

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

July15. CZ-3B/YZ-1 Beidou 3 M1& M2

Launch site: [Xichang](#), China

July22. Falcon 9 FT Formosat 5

Launch site: [Vandenberg](#), USA

July28. 1541UTC Soyuz-2 1A Soyuz MS 5 (S52/53)

CDR: Сергей Николаевич РЯЗАНСКИЙ (Sergei N. Ryazansky), Paolo Nespoli (ESA), Randolph J. Bresnik

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 90

July?? Proton-M/Briz-M Blagovest (14Φ149)

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



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Aug01.	1600UTC	Falcon 9 FT	Dragon SpX-12	
Aug01.		Vega (VV10)	Venüs, OPTSAT 3000	
Launch site: Kourou , French Guiana				
Aug03.	1240UTC	Atlas 5 401 (AV074)	TDRS-M	
Aug11.	0500UTC	H-2A 204	QZS-3	
Aug14.	0701UTC	Atlas 5 541	NROL-42 Trumpet Follow On 2	
Launch site: Vandenberg , USA				
Aug15.		Falcon 9 FT	OTV-5 (X-37B)	
Aug16.		CZ-2D	ZH-1 Zengheng 1 (ESEM experimental satellite on Electromagnetism Monitoring),	
Ministar-1				
Aug24.		Falcon 9 FT	Iridium Next Flight 3 (x10)	
Launch site: Vandenberg , USA				
Aug31.		Atlas 5 421 (AV075)	NROL-52 (Quasar 21)	80
Aug31.		Ariane 5 ECA (VA239)	BSat 4a / Intelsat 37e	
Aug??		CZ-2D	Fengmaniu-1	
Aug??		Proton-M/Briz-M	Kosmos	
Aug??		Falcon 9 FT	SES 11	
Aug??		Proton-M/Briz-M	Amazonas 5	
Aug??		PSLV-XL (C39)	IRNSS-1H	
??		Electron	Outerspace 1	
Launch site: Kaitorete Spit , New Zeland				
??		Epsilon (Jap)	ASNARO 2	
Sep12.		Soyuz-2 1A	Soyuz MS 6 (S53/54)	
CDR: Александр Александрович МИСУРКИН (Aleksandr A. Misurkin), Mark T. Vande Hei , Joseph M. Acaba				
Sep12.		Antares 230	Cygnum Orb-8	70
Sep15.		CZ-11	TY-2, 3, 4, 5 Tianyi	
Sep21.	0948UTC	Delta II 7920-10C	JPSS-1	
Launch site: Vandenberg , USA				
Sep21.		Rokot / Briz KM	Sentinel-5 Precursor	
Sep25.		CZ-2D	VRSS-2 (Bolivia Remote Sensing Satellite)	
Sep26.		PSLV	ScatSat	
Sep??		Minotaur-C XL	SkySat 8/9/10/11/12	
Launch site: Vandenberg , USA				
Sep??		CZ-3B/G2	ZX-6C Zhongxing-6C	
Sep??		CZ-2D	GF-5 Gaofen-5	



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Sep??	CZ-4B	FY-3D Feng Yun-3D	
Sep??	CZ-3B/YZ-1	Beidou 3 MEO M3, Beidou 3 MEO M4	60
Sep??	GSLV MK II F11	GSAT-6A	
Sep??	Falcon 9 FT	KoreaSat 5A	
??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	Falcon 9 FT	SES-16	
??	Rokot / Briz KM	Geo IK 2	
Oct11.	Atlas 5 (531) (AV073)	AEHF-4	
Oct12.	Soyuz-2 1A	Progress MS 7	
Oct18.	Ariane 5 ECA (VA240)	Hylas 4 / Al Yah 3	
Oct??	Falcon 9 FT	Iridium Next Flight 4 (x10)	
Launch site: Vandenberg , USA			
Oct??	Falcon 9 FT	SAOCAM 1A	50
Oct??	CZ-3B/YZ-1	Beidou 3 MEO M5, Beidou 3 MEO M6	
Oct??	Proton-M/Briz-M	AsiaSat-9	
Oct??	Falcon H	Demo Flight	
Nov09.	Atlas 5 401 (AV076)	SBIRS-GEO 4	
Nov14.	Pegasus-XL	ICON (Helio EX-1)	
Nov30.	CZ-5	Chang'e-5 (Sample return)	
Nov??	Rokot / Briz KM	Sentinel 3B	
Nov??	Vega (VV11)	Aeolus / ADM	
??	Falcon 9 FT	SES-14 / GOLD	
??	Proton-M/ DM 3	Electro-L N3	40
Dec13.	Delta IV-M+(5,2)	NROL-47 (Topaz 5)	
Launch site: Vandenberg , USA			
Dec16.	Falcon 9 FT	Bangabandhu-1	
Dec27.	Soyuz-2 1A Soyuz MS 7 (S54/55)		
CDR: Shkaplerov , Norishige Kanai , Scott Tingle			
Dec28.	PSLV	Team Indus	
Dec??	Falcon 9 FT	Iridium Next Flight 5 (x10)	
Launch site: Vandenberg , USA			
Dec??	Ariane 5 ES (VA241)	Galileo-FOC FM15 (Nicole), Galileo-FOC FM16 (Zofia), Galileo-FOC FM17 (Alexandre), Galileo-FOC FM18 (Irina)	
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	



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Dec?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M7, [Beidou 3](#) MEO M8 30
 Dec?? [CZ-3C](#) [Beidou 3](#) G8
 Dec?? [Proton-M/](#) DM 3 Kosmos
 Dec?? [Soyuz-2](#) 1A / Fregat Kanopus V 3, Kanopus V 4

?? [Falcon 9](#) FT PSN VI
 ?? [Falcon 9](#) FT PAZ
 ?? Falcon Heavy STP-02

?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M/](#) 56
 Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? [Proton-M/](#) DM-03 [Glonass-M/](#) ??
 ?? [Soyuz-2-1B](#) Labirint 11
 ?? [Zenit 3 SL /Fregat-SB](#) Lybid' 20
 ?? [Soyuz-2-1B](#) Pion
 ?? [Angara](#) 1.2 Kosmos

?? [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

?? [CZ-2D](#) SaudiSAT 5B
 ?? [CZ-2D](#) JL-3 Jilin-3 10
 ?? ?? LJ-1 Luojia-1
 ?? CZ [Huaizong-1](#)
 ?? [CZ-4C](#) Hede-1
 ?? [CZ-3B/E](#) Alcomsat-1
 ?? LS-1 LandSpace-1

?? [CZ-2C](#) ??
 Launch site: [Xichang](#), China

?? [PSLV](#) IRNSS-1I
 ?? [H-2A](#) [IGS Optical-6](#)

?? [Simorgh](#) [Dosti](#) (Nahid 1??) (Payam-e Amir Kabir??)
 Launch site: [Semnan](#), Iran

7 + (22)
 37 + (103)

2018.

Jan?? [Vega](#) Seosat (Ingenio)
 Jan?? [Falcon 9](#) FT [Dragon](#) SpX-13

?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M/](#) 52
 ?? [Falcon 9](#) FT Telstar 18 140
 ?? [Falcon 9](#) FT Telstar 19



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Feb09. [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
 Feb?? H-2B (F7) HTV7
 Feb?? [Ariane 5](#) ECA (VA242) EDRS-C (Hylas 3) / SES 12

?? [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

Mar07. [Atlas 5 \(541\)](#) **GOES-S**

Mar09. [Falcon 9 \(SPx-DM1\)](#) **Dragon v2 unmanned test**

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

Mar14. [Soyuz-2 1A](#) [Soyuz MS 8 \(S55/56\)](#)
 CDR: **Artemyev**, Andrew **Feustel**, Ricky **Arnold**

Mar?? [PSLV](#) Cartosat-3
 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 55
 ?? [Delta IV-M+\(4,2\)](#) GPS III-1
 ?? [GSLV MK III D2](#) GSAT-20
 ?? SS-520-5 TRICOM 1 R 120
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? KZ-1A ??

?? [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.

Apr15. [Soyuz-2 1A](#) [Progress MS 9](#)

Apr?? [Falcon 9](#) FT [Iridium Next](#) Flight 7 (x10)
 Apr?? [Atlas 5](#) 551 (AV81) AFSPC-11

May05. [Atlas 5 401](#) **InSight**
 Launch site: [Vandenberg](#), USA

May30. [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)
 CDR: **Prokopyev**, Jeanette J. **Epps**, Alexander **Gerst**

May?? [Falcon 9](#) GPS IIIA-2
 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?? Delta II 7320-10C ICESat-II



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June?? [Falcon 9](#) FT [Iridium Next](#) Flight 8 (x5), GRACE FO_1, FO_2
 June?? [Falcon 9](#) FT TESS

?? [Proton-M](#) PTK NP
 ?? [Vega](#) TARANIS 100
 ?? [Soyuz-2](#) 1B / [Fregat](#)-M Glonass K1 / 15
 ?? [Soyuz ST](#) CSO 1
 ?? [Vega](#) Prisma
 ?? [Vega](#) Cosmo-SkyMed Secon Gen 1 CSG-1
 ?? [Ariane 5](#) ECA GSAT-11

July31. Delta 4-H Parker Solar Probe

July?? [PSLV](#) Oceansat-3
 July?? [Falcon 9](#) FT Radarsat C-1, -2, C-3

Aug?? [CZ-3C](#) Beidou 2 I7
 Aug?? [Soyuz-2](#) [Progress MS](#) 10

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Soyuz-2](#) 1B / [Fregat](#)-M Glonass K1 / 16
 ?? [Soyuz-2](#) 1B / [Fregat](#)-M Ekspress-RV1

Sep15. Delta 4-H NROL-71

Sep30. Soyuz-2 1A Soyuz MS 10 (S57/58)
CDR: Алексей Овчинин (Aleksei Ovchinin), Nick Hague

Sep?? [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.

Sep?? [CZ-3B/YZ-1](#) Beidou 3 MEO M15, Beidou 3 MEO M16
 Sep?? Zenit 3-SLB / DM-SLB AngoSat

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Soyuz-2](#) 1B / [Fregat](#)-M Glonass K1 / 17 80

Oct15. Ariane 5 ES JWST (James Webb Space Telescope)

Oct16. Soyuz-2 Progress MS 11

Oct?? [Ariane 5](#) [BepiColombo](#) ESA and ISAS Mercury Orbiters
 Oct?? [Soyuz ST](#) B/[Fregat](#)-M MetOp-C
 Oct?? [CZ-3C](#) Beidou 3 G1Q
 Oct?? [Proton-M/Briz-M](#) Elektro L - 3

?? [Proton-M/](#) DM-03 [Glonass-M/K18,K19,K20](#)
 ?? [Ariane 5](#) ECA Intelsat 39
 ?? [Ariane 5](#) Horizon 3e
 ?? [Falcon 9](#) FT ORS-6
 ?? [Soyuz ST](#) B/[Fregat](#)-MT EarthCare

Nov25. Proton-M MLM



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Nov30. [Soyuz-2 1A](#) Soyuz MS 11 (S58/59)

CDR: Кононенко (Oleg Kononenko), Serena Auñón-Chancellor, David Saint-Jaques (Can)

??	Minotaur 1	NROL 111	
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
Dec??	CZ-3B/GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M17, Beidou 3 MEO M18	
Dec??	Soyuz-2 1B / Fregat -M	Resurs №4	
Dec??	??	Korean Pathfinder Lunar Orbiter	
??	Falcon 9 (SPx-DM2)	Dragon v2 manned test	60
??	Atlas 5 422	CST-100 Starliner (unmanned test)	
??	Atlas 5 422	CST-100 Starliner (manned test)	
??	Falcon H	Circumlunar Dragon V2	
??	Falcon 9 FT	Dragon SpX-14	
??	Falcon 9 FT	Dragon SpX-15	
??	Antares 230	Cygnus Orb-9E	
??	Antares 230	Cygnus Orb-10E	
??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 14	
??	Ariane 5	Heinrich Hertz	
??	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	
??	??	AEHF 5	
??	Falcon 9 FT	Es'hail 2	
??	Falcon H	Arabsat 6A	
??	Soyuz-2 1B	Progress M-UM	
??	Soyuz-2 1A / Fregat	Kanopus V 5, Kanopus V 6	
??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	Proton-M/Briz-M	Kosmos	40
??	Proton-M/Briz-M	Ямал-601	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	EgyptSat 3	
??	Angara A5/ DM03	Kosmos	
??	Soyuz-2 -1B/ Fregat -M	Smotr R №1	
??	Soyuz-2 -1B/ Fregat M	Meridian 18L	
??	Soyuz-2 1A	Bars-M 3	
??	Soyuz-2 1A	Energiya-100	
??	Ariane 5 ES	Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC FM21 (Anna),	
??	Galileo-FOC FM22 (Ellen)		
??	Ariane 5 ECA	Hellas-Sat-4	
??	Ariane 5 ECA	DSN 1 (Superbird-8)	
??	Ariane 5 ECA	Azerspace 2 (Intelsat 38)	
??	Ariane 5 ECA	Intelsat 7C	
??	CZ-2D	SJ-12 Shijian-12 (2)	



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??	CZ-2D	TH-2 Tianhui-2	
??	CZ-2C	CSES-1 Earthquake electromagnetism monitor satellite	
??	??	FY-3 Fengyun-3 RM-1	
??	??	VeneSat-2	
??	CZ-3B/E	CC-1 Changcheng-1	
??	CZ-11	Fengtai Shaonian 02	20

??	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
Launch site: [Taiyuan](#), China

?? CZ-?? [CAS-4A, CAS-4B](#)
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	

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

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2019.

Feb??	CZ-3C	Beidou 3 I1Q	
Feb??	Falcon 9	GPS IIIA-3	
Feb??	H-2B (F9)	HTV8	
Feb??	Atlas 5	Solar Orbiter (SolO) (ESA)	

?? [Soyuz-2-1B](#) Arktika M 1
Launch site: Восточный (Vostochniy), Cosmodrome, Russia

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



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Mar??	Soyuz-2	Progress MS 12
??	CZ-5	Tian He Space Station Core Module
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 2 Tianzhou 2 (Logistic Cargo Vehicle)
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 13
Sep??	Soyuz-2-1B/Fregat-M	Glonass K1 / 22
Oct??	CZ-3B/YZ-1	Beidou 3 MEO M19, Beidou 3 MEO M20
Oct??	Soyuz-2-1B/Fregat-M	Gonets x 3 (No 27,28,29)
Oct??	Soyuz-2 1B /Fregat-M	Resurs N°5
Nov29.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)
	CDR: ??, Luca Parmitano , Ann McClain	
Nov??	SLS-1	Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)
??	Vega	Proba 3
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22
Dec??	Proton-M/Briz-M	Ekspress 80, Ekspress 103
Dec??	Proton-M/Briz-M	Elektro L - 4
??	Falcon 9 v1.1	USCV-1 (US Commercial Vehicles)
??	Atlas 5 402	USCV-2 (US Commercial Vehicles)
??	Falcon 9 FT	Dragon SpX-16
??	Falcon 9 FT	Dragon SpX-17
??	Falcon 9 FT	Dragon SpX-18
??	Antares 230	Cygnus OA-11
??	Atlas 5 552	Dream Chaser Cargo System SNC-1
??	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



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??	??	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
??	Ariane 5 ECA	Eutelsat Quantum
??	Ariane 5 ECA	African Broadband Satellite
??	Soyuz ST / Vega	MicroCarb
??	Soyuz ST B/ Fregat -MT	Sentinel-1C
??	Ariane 5	ViaSat-3
??	Ariane 5	JCSat 17
??	Soyuz-2	Progress MS 13
??	Soyuz-2-1A / Fregat -M	Kondor-FKA n.º 1
??	Soyuz-2-1B / Fregat -M	Arktika M 2
??	Proton-M / Briz-M	SkyTerra 2
??	Proton-M / Briz-M	Ekspress AMU 4
??	Proton-M / Briz-M	Ekspress AMU 3 / Ekspress AMU 7
??	Proton-M / Briz-M	Luch 5M
??	Proton-M / Briz-M	Yenisey A1
??	Proton-M / Briz-M	Ямал-501
??	Proton-M / Briz-M	EutelSat
??	Proton-M / Briz-M	IntelSat
??	Soyuz-2-1B / Fregat M	Meridian 19L
??	Soyuz-2-	Razdan 1
??	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



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Mar30.	Soyuz 2-1A	Sojuz MS-15
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
Apr??	Angara-1.2/AM Gonets	x 3 (No 30,31,32)
??	CZ-5B	Wentian Lab module Space station module
??	CZ-2F/G	SZ-12 Shenzhou-12
??	CZ-3B/G2	ZX-18 Zhongxing-18
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.
Sep30.	Soyuz 2-1A	Sojuz MS-16
Sep??	CZ	CBERS-6
Sep??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 15
??	CZ-2F/G	SZ-13 Shenzhou-13
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.	
Dec15.	Atlas 5	Landsat 9
??	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
??	??	HyspIRI
??	Antares	IMAP/STP-05
??	Falcon 9 v1.1	USCV-3 (US Commercial Vehicles)
??	Atlas 5 402	USCV-4 (US Commercial Vehicles)



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??	Falcon 9 FT	Dragon SpX-19
??	Falcon 9 FT	Dragon SpX-20
??	Falcon 9 FT	Dragon SpX-21
??	Antares 230	Cygnus OA-12
??	Atlas 5 552	Dream Chaser Cargo System SNC-2
??	Falcon H	ViaSat 3
??	Proton-M	HƏM-1
??	Soyuz-2	Progress MS 14
??	Soyuz-2	Progress MS 15
??	Soyuz-2	Progress MS 16
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)
??	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
??	Proton-M/Briz-M	Elektro L - 5
??	Soyuz-2-1A/Fregat-M	Gonets x 6
??	Proton-M/Briz-M	AOneSat-1
??	Proton-M/Briz-M	Terrestar-2
??	Proton-M/Briz-M	SkyTerra 2
??	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
??	Soyuz-2-1A	Foton M
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картограф-ОЭ №1
??	Vega	Sentinel-2C
??	Vega	Sentinel-3C
??	??	Biomass
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	CZ-3B/ Palapa 1N	
??	GSLV MK III	MOM-2 Follow on Mars Mission
??	H-IIA	Hope (UAE mission to Mars)



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2021.

??	Soyuz-2	Progress MS 17
Mar30.	Soyuz-2-1A	Sojuz MS-17
Apr??	Soyuz ST B/ Fregat M	MarcoPolo-R
June??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	Soyuz-2	Progress MS 18
??	CZ-2F/G	SZ-14 Shenzhou-14
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??	Sunkar	Federatsia (unmaned)
Dec??	Atlas 5 402 / Falcon 9	USCV-6 (US Commercial Vehicles)
??	SLS Block I	Europa Clipper
??	Soyuz-2	Progress MS 19
??	Soyuz-2-1B / Fregat -M	Transformable Modul TM
??	Soyuz-2 1B / Fregat -M	Ekspress-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
??	Soyuz-2-1b	Bion-M No. 2
??	Vega	Sentinel-1A 2nd Gen
??	Vega	Space Rider
??	Soyuz ST / Vega	Merlin
??	CZ	Venus Global Sensing Probe
??	CZ	FY-3G Fengyun-3G (Batch 2)

2022.

Jan??	??	Solar Sentinels
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



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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 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	CZ-5B	Xuntian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15
June??	Ariane 5 ECA	JUICE (JUperiter ICy moon Explorer)
June??	Ariane 5	MTG-I2
June??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)
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-8 (US Commercial Vehicles)
??	Soyuz-2	Progress MS 20
??	Soyuz-2	Progress MS 21
??	Soyuz-2	Progress MS 22
??	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 – 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
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-16 Shenzhou-16
June??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
Sep30.	Soyuz-2-1A	Sojuz MS-22
Dec??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)



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- ?? SLS Block IA II Orion: Exploration Mission 3 (Crew to Cislunar)
- ?? Sunkar Federatsia (unmanned flight to ISS)
 ?? Sunkar 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.
- ?? [Proton-M/Briz-M](#) Ekspres – 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
 ?? CZ5 Chang'e-6 (Moon far side sample return)
- ?? [GSLV](#) MK III Mission to Venus
- 2024**
- Mar30.** [Soyuz-2-1A](#) **Sojuz MS-23**
- ?? CZ7 TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
- June?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-11 (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](#) / DM-03 Spektr - UF
- ?? [Proton-M/Briz-M](#) Ekspres – AMU 9
 ?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 4
 ?? [Soyuz-2-1B/Fregat-M](#) Meteor MP No1



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?? [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
 ?? 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)