



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (14.08.2016.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 14.Aug.2017.

Aug14. 0700UTC [H-2A 204](#) [QZS-3](#)

Launch site: [Tanegashima](#), Japan

Aug14. 1631UTC [Falcon 9 FT](#) [Dragon SpX-12](#)

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

Aug16. 2207UTC [Proton-M/Briz-M](#) [Blagovest \(14Φ149\)](#)

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

Aug18. 1204UTC [Atlas 5 401 \(AV074\)](#) [TDRS-M](#)

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

Aug24. 1850UTC [Falcon 9 FT](#) [Formosat 5](#)

Launch site: [Vandenberg](#), USA

Aug26. 0315UTC [Minotaur-4/Orion 38](#)[ORS-5](#), [SensorSat](#)

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

Aug28. [PSLV-XL \(C39\)](#) [IRNSS-1H](#)

Sep01. [Ariane 5 ECA \(VA239\)](#) [BSat 4a / Intelsat 37e](#)

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

Sep06. [Soyuz-2-1B/Fregat-M](#) [Glonass-M/ 52](#)

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

Sep06. [CZ-2D](#) [VRSS-2 \(Bolivia Remote Sensing Satellite\)](#)

Sep07. [Falcon 9 FT](#) [OTV-5 \(X-37B\)](#)

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

Sep11. 0701UTC [Atlas 5 541](#) [NROL-42 Trumpet Follow On 2](#)

Launch site: [Vandenberg](#), USA

Sep12. 2117UTC [Soyuz-2 1A](#) [Soyuz MS 6 \(S53/54\)](#)

CDR: Александр Александрович [МИСУРКИН](#) (Aleksandr A. Misurkin), Mark T. [Vande Hei](#), Joseph M. [Acaba](#)

Sep15. [CZ-11](#) [TY-2, 3, 4, 5 Tianyi](#)

Sep18. [Proton-M/Briz-M](#) [Amazonas 5](#)

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

Sep21. [Rokot / Briz KM](#) [Sentinel-5 Precursor](#)

Sep25. 1600UTC [Atlas 5 421 \(AV075\)](#) [NROL-52 \(Quasar 21\)](#)

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



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??Sep28.	1850UTC	Proton-M/Briz-M	AsiaSat-9	
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan				
Sep30.	1330UTC	Falcon 9 FT	Iridium Next Flight 3 (x10)	
Launch site: Vandenberg , USA 60				
Sep??	CZ-3B/YZ-1	Beidou 3 M1& M2		
Launch site: Xichang , China				
Sep??	CZ-6	Jilin-1-04 (Lingqiao 1-04), Jilin-1-05 (Lingqiao 1-05), Jilin-1-06 (Lingqiao 1-06), Jilin-1-07 (Lingqiao 1-07)		
Sep??	CZ-2D	ZH-1 Zengheng 1 (ESEM experimental satellite on Electromagnetism Monitoring), Ministar-1, Fengmaniu-1		
Sep??	CZ-2D	GF-5 Gaofen-5		
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-10A		
Sep??	CZ-3B/G2	ZX-6C Zhongxing-6C		
??	Rokot / Briz KM	Geo IK 2		
??	Epsilon (Jap)	ASNARO 2		50
Oct12.	Soyuz-2 1A	Progress MS 7		
Oct12.	Delta II 7920-10C	JPSS-1		
Launch site: Vandenberg , USA				
Oct18.	Minotaur-C XL	SkySat 8/9/10/11/12		
Launch site: Vandenberg , USA				
Oct??	Electron	Outerspace 1		
Launch site: Kaitorete Spit , New Zeland				
Oct??	Falcon 9 FT	SES 11		
Launch site: Cape Canaveral , USA				
Oct??	CZ-3B/YZ-1	Beidou 3 MEO M5, Beidou 3 MEO M6		
??	Falcon 9 FT	KoreaSat 5A		
??	Falcon 9 FT	SES-16		
Nov01.	Falcon 9 FT	Dragon SpX-13		
Nov08.	Vega (VV11)	MN35-13 (Morocco EO Sat 1)		40
Nov10.	Antares 230	Cygnus Orb-8		
Nov14.	1528UTC	Pegasus-XL	ICON (Helio EX-1)	
Nov28.	Soyuz-2-1B/Fregat-M	Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2		
Nov??	Falcon 9 FT	Iridium Next Flight 4 (x10)		
Launch site: Vandenberg , USA				



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Nov??	Zenit 3-SLB / DM-SLB	AngoSat	
Nov??	PSLV	XL (C40)	IRNSS-1I
Nov??	CZ-11	Jilin(x2), Fengtai	Shaonian 02
??	Rokot / Briz KM	Gonets x 3 (No 24,25,26),	Blits-M
Launch site:	Плесецк (Plesetsk)	Cosmodrome,	Russia
Dec13.	Delta IV-M+(5,2)	NROL-47 (Topaz 5)	
Launch site:	Vandenberg ,	USA	
Dec16.	Falcon 9 FT	Bangabandhu-1	30
Dec22.	Soyuz-2 1A / Fregat Kanopus V 3, Kanopus V 4		
Dec27.	Soyuz-2 1A Soyuz MS 7 (S54/55)		
CDR:	Shkaplerov , Norishige	Kanai , Scott	Tingle
??Dec28.	PSLV	Team Indus	
Dec??	Ariane 5 ES (VA240)	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??	CZ-3B/YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8	
Dec??	CZ-3C	Beidou 3 G8	
Dec??	Falcon H	Demo Flight	
??	Falcon 9 FT	PAZ	20
??	Soyuz-2-1B	Labirint 11	
??	Zenit 3 SL / Fregat-SB	Lybid'	
??	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	10
??	CZ-2D	SaudiSAT 5B	
??	??	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	
??	H-2A	IGS Optical-6	
??	Simorgh	Dosti (Nahid 1??) (Payam-e Amir Kabir??)	



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Launch site: [Semnan](#), Iran

10 + (12)
47 + (78)

2018.

Jan18. [Atlas 5](#) 401 (AV076) **SBIRS-GEO 4**

Jan20. [Vega](#) (VV11) **Aeolus / ADM**

?? [Falcon 9](#) FT [Iridium Next](#) Flight 5 (x10)

Launch site: [Vandenberg](#), USA

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

Feb09. [Soyuz-2 1A](#) **[Progress MS 8](#)**

Feb?? [Falcon 9](#) FT [Iridium Next](#) Flight 6 (x10) 140
 Feb?? [CZ-3B/YZ-1](#) Beidou 3 MEO M9, Beidou 3 MEO M10
 Feb?? H-2B (F7) HTV7

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

Mar01. [Atlas 5](#) (541) **GOES-S**

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

Mar09. [Soyuz-2 1A](#) [Soyuz MS 8](#) (S55/56)
 CDR: **Artemyev**, Andrew **Feustel**, Ricky **Arnold**

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

Mar?? [PSLV](#) Cartosat-3
 Mar?? [CZ-3B/YZ-1](#) Beidou 3 MEO M11, Beidou 3 MEO M12
 Mar?? [Rokot / Briz KM](#) Sentinel 3B
 Mar?? [Falcon 9](#) FT SAOCAM 1A
 Mar?? [Atlas 5](#) (531) (AV073) AEHF-4

?? [GSLV](#) MK III D2 GSAT-20
 ?? SS-520-5 TRICOM 1 R
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? [Ariane 5](#) ECA Hellas-Sat-4 120
 ?? [Falcon 9](#) FT SES-14 / GOLD
 ?? [Ariane 5](#) ECA Hylas 4 / Al Yah 3
 ?? [Ariane 5](#) ECA Azerspace 2 (Intelsat 38) / SES 12
 ?? [Ariane 5](#) ECA GSAT-11
 ?? [Proton-M/](#) DM 3 Kosmos



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?? [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](#)

Apr18. [Atlas 5 551 \(AV81\)](#) **AFSPC-11**

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: Prokopyev, Jeanette J. Epps, Alexander Gerst

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

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

June?? [Falcon 9](#) FT TESS

June?? [Atlas 5](#) 422 (AV80) CST-100 Starliner (unmanned test)

?? [Proton-M](#) PTK NP

?? [Vega](#) TARANIS 100

?? [Soyuz ST](#) CSO 1

?? [Vega](#) Prisma

?? [Proton-M/Briz-M](#) Kosmos

?? [Proton-M/DM-03](#) [Glonass-M/](#) ??

?? [Soyuz ST](#) B/Fregat-MT OneWeb smalsat (x10)

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

Aug?? [Delta IV](#)-M+(4,2) GPS III-1

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 16

?? [Soyuz-2](#) 1B /[Fregat](#)-M Ekspress-RV1

?? [Falcon 9](#) FT PSN VI

Sep15. **Delta 4-H** **NROL-71**

Sep30. [Soyuz-2 1A](#) [Soyuz MS 10 \(S57/58\)](#)

CDR: Алексей Овчинин (Aleksei Ovchinin), Nick Hague, Ricky Arnold

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



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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??	Ariane 5 ECA	DSN 1 (Superbird-8) 80
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 17
??	Ariane 5 ECA	EDRS-C (Hylas 3)
??	Ariane 5 ECA	Intelsat 7C
Oct05.	Ariane 5	BepiColombo ESA and ISAS Mercury Orbiters
Oct15.	Ariane 5 ES	JWST (James Webb Space Telescope)
Oct16.	Soyuz-2	Progress MS 11
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
Nov25.	Proton-M	MLM
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)
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 15
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 60
Dec??	??	Korean Pathfinder Lunar Orbiter
??	Falcon 9 (SPx-DM2)	Dragon v2 manned test
??	Atlas 5 422 (AV082)	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
??	Falcon 9	GPS IIIA-2
??	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)



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??	Atlas 5 551	AFSPC-7	
??	??	AEHF 5	
??	Falcon 9 FT	Es'hail 2	
??	Falcon H	Arabsat 6A	
??	Falcon Heavy	STP-02	
??	Soyuz-2 1B	Progress M-UM	40
??	Soyuz-2 1A / Fregat	Kanopus V 5, Kanopus V 6	
??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	Proton-M/Briz-M	Kosmos	
??	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	
??	Soyuz-2 -1B/ Fregat -M	Glonass M 55	
??	Dnepr	UniSat-7	
Launch site: (Dombrovskiy), Russia			
??	Ariane 5 ES	Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC FM21 (Anna), Galileo-FOC FM22 (Ellen)	
??	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	
??	CZ-3B/E	CC-1 Changcheng-1	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	



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?? 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: **Vinogradov, Tikhonov**, Shannon **Walker**

Mar?? [Soyuz-2](#) [Progress MS 12](#)
 Mar?? [Vega](#) Seosat (Ingenio)
 Mar?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B

?? CZ-5 Tian He Space Station Core Module
 ?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13

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 Vechile)

June?? [Atlas 5](#) 551 STP-03
 June?? [Ariane 5](#) MTG-I1

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

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

Aug?? [Soyuz ST B/Fregat](#)-MT EarthCare

Sep30. [Soyuz-2 1A](#) [Soyuz MS 13](#)
 CDR: ??, Luca **Parmitano** (ESA) , Anne **McClain** (NASA)



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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 №5
Nov29.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)
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
??	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
??	Vega	Cosmo-SkyMed Secon Gen 1 CSG-1
??	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



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??	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-5	Chang'e-5 (Sample return)
??	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.

Jan??	Falcon 9 v1.1	USCV-3 (US Commercial Vehicles)
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
??	CZ-2F/G	Space station module 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)
July16	Ariane 64	??



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July?? [Atlas 5](#) (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.

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

?? 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
 ?? ?? HypIRI
 ?? Antares IMAP/STP-05

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

?? [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-1

?? Falcon H ViaSat 3

?? [Proton-M](#) HƏM-1

?? [Soyuz-2](#) [Progress MS](#) 14
 ?? [Soyuz-2](#) [Progress MS](#) 15
 ?? [Soyuz-2](#) [Progress MS](#) 16

?? [Soyuz-2-1B/Fregat-M](#) Arktika M 3
 ?? [Soyuz-2-1B/Fregat-M](#) Glonass K2



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??	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)
??	??	Картораф-ОЭ №1
??	Vega	Sentinel-2C
??	Vega	Sentinel-3C
??	??	Biomass
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	CZ5	Chang'e-6
??	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)
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)



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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)
??	Atlas 5 552	Dream Chaser Cargo System SNC-2
??	SLS Block I	Europa Clipper
??	Soyuz-2	Progress MS 19
??	Soyuz-2 -1B/ Fregat -M	Transformable Modul TM
??	Soyuz-2 1a / Fregat	Luna 26 (Luna-Resurs OA)
??	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 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 Vechile)
??	CZ-5B	Xuntian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15
June??	Ariane 5ECA	JUICE (JUperiter ICy moon Explorer)
June??	Ariane 5	MTG-I2
June??	Atlas 5 402 / Falcon 9	USCV-7 (US Commercial Vehicles)



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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)
??	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	Ekspress – AT3, AT4



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?? [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

?? [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

?? [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)



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??	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 (<i>Venera D</i>) would be launched
??	CZ	Jupiter Orbiter
??	CZ	Mars Sample Return
??	CZ	Chang'e-8 (Moon north pole landing)