



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (10.07.2016.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **10.July.2017**.

July14. 0636UTC [Soyuz-2 1A](#) / [Fregat M](#) [Kanopus V IK - 2](#)

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

July15. [CZ-3B/YZ-1](#) [Beidou 3 M1& M2](#)

Launch site: [Xichang](#), China

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

Aug02. 0158UTC [Vega \(VV10\)](#) [Venüs, OPTSAT 3000](#)

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

Aug03. 1302UTC [Atlas 5 401 \(AV074\)](#) [TDRS-M](#)

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

Aug10. 1807UTC [Falcon 9 FT](#) [Dragon SpX-12](#)

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

Aug10. [Proton-M/Briz-M](#) [Blagovest \(14Ф149\)](#)

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

Aug11. 0500UTC [H-2A 204](#) [QZS-3](#)

Launch site: [Tanegashima](#), Japan

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Aug14. 0701UTC [Atlas 5 541](#) [NROL-42 Trumpet Follow On 2](#)

Launch site: [Vandenberg](#), USA

Aug16. [CZ-2D](#) [ZH-1 Zengheng 1 \(ESEM experimental satellite on Electromagnetism Monitoring\)](#), [Ministar-1](#), Fengmaniu-1

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

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

Aug31. [Atlas 5 421 \(AV075\)](#) [NROL-52 \(Quasar 21\)](#)

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

Aug31. [Ariane 5 ECA \(VA239\)](#) [BSat 4a / Intelsat 37e](#)

Aug31. [Proton-M/Briz-M](#) [Amazonas 5](#)

Aug?? [PSLV-XL \(C39\)IRNSS-1H](#)



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??	Electron	Outerspace 1	
	Launch site:	Kaitorete Spit , New Zeland	70
??	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	
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	
Sep26.	PSLV	ScatSat	
Sep30.	Proton-M/Briz-M	AsiaSat-9	
Sep??	Minotaur-C XL	SkySat 8/9/10/11/12	
	Launch site: Vandenberg , USA		
Sep??	Falcon 9 FT	Iridium Next Flight 3 (x10)	
	Launch site: Vandenberg , USA		
Sep??	Soyuz-2-1B/Fregat-M	Glonass-M/ 56	
	Launch site: Плесецк (Plesetsk) Cosmodrome, Russia		
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-6A	
Sep??	Falcon 9 FT	SES 11	
Sep??	CZ-3B/G2	ZX-6C Zhongxing-6C	
Sep??	Vega (VV11)	MN35-13 (Morocco EO Sat 1)	
??	Falcon 9 FT	SES-16	
??	Rokot / Briz KM	Geo IK 2	50
Oct11.	Atlas 5 (531) (AV073)	AEHF-4	
Oct12.	Soyuz-2 1A	Progress MS 7	
Oct18.	Ariane 5 ECA (VA240)	Hylas 4 / Al Yah 3	
Oct21.	Zenit 3-SLB / DM-SLB	AngoSat	
Oct??	Falcon 9 FT	Iridium Next Flight 4 (x10)	
	Launch site: Vandenberg , USA		
Oct??	Falcon 9 FT	SAOCAM 1A	
Oct??	CZ-3B/YZ-1	Beidou 3 MEO M5, Beidou 3 MEO M6	



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Oct??	Falcon H	Demo Flight	
??	Falcon 9 FT	KoreaSat 5A	
Nov09.	Atlas 5 401 (AV076)	SBIRS-GEO 4	40
Nov14.	Pegasus-XL	ICON (Helio EX-1)	
Nov28.	Soyuz-2 1A / Fregat Kanopus V 3, Kanopus V 4		
??Nov30.	CZ-5	Chang'e-5 (Sample return)	
??	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	
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)	30
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??	CZ-3B /YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8	
Dec??	CZ-3C	Beidou 3 G8	
Dec??	Proton-M / DM 3	Kosmos	
??	Falcon 9 FT	PAZ	
??	Soyuz-2 -1B	Labirint 11	
??	Zenit 3 SL / Fregat -SB	Lybid'	
??	Soyuz-2 -1B	Pion	20
??	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	
??	??	LJ-1 Luojia-1	10



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?? CZ Huaizong-1
 ?? [CZ-4C](#) Hede-1
 ?? [CZ-3B/E](#) Alcomsat-1
 ?? LS-1 LandSpace-1
 ?? [CZ-2D](#) VRSS-2 (Bolivia Remote Sensing Satellite)

?? [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

10 + (15)
 44 + (87)

2018.

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

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

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

Feb09. [Soyuz-2 1A](#) [Progress MS 8](#) 140

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) Azerspace 2 (Intelsat 38) / 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?? [CZ-3B/YZ-1](#) Beidou 3 MEO M11, Beidou 3 MEO M12
 Mar?? [Rokot / Briz KM](#) Sentinel 3B

?? [Soyuz-2-1B/ Fregat-M](#) Glonass M 55
 ?? [Delta IV-M+\(4,2\)](#) GPS III-1



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??	GSLV MK III	D2	GSAT-20	
??	SS-520-5		TRICOM 1 R	
??	KZ-1A		??	
??	KZ-1A		??	120
??	KZ-1A		??	
??	KZ-1A		??	
??	Ariane 5 ECA		Hellas-Sat-4	
??	Falcon 9 FT		SES-14 / GOLD	

?? [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	
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	
??	Soyuz-2 1B /Fregat-M		Glonass K1 / 15	100
??	Soyuz ST		CSO 1	
??	Vega		Prisma	
??	Ariane 5 ECA		GSAT-11	
??	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	

??	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	



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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 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)

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 N°4 **60**
 Dec?? ?? Korean Pathfinder Lunar Orbiter

?? **Falcon 9** (SPx-DM2) Dragon v2 manned test
 ?? **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



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??	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	
??	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	
??	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	
??	??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	



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

Mar?? [Soyuz-2](#) [Progress MS 12](#)

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

May?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B

?? CZ-5 Tian He Space Station Core Module

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

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



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

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

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)**

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 USCVC-1 (US Commercial Vehicles)

?? [Atlas 5](#) 402 USCVC-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

?? ?? 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



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??	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.

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
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June??	Ariane	MTG-S1/Sentinel-4A
June??	CZ-3C	Beidou 3 G3Q



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?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EPS-SG-a/Sentinel-5A
 ?? [Proton-M/Briz-M](#) ExoMars (CM+DM)

July16 Ariane 64 ??

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

?? [Falcon 9](#) v1.1 USCV-3 (US Commercial Vehicles)
 ?? [Atlas 5](#) 402 USCV-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-2

?? Falcon H ViaSat 3

?? [Proton-M](#) HƏM-1

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



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??	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)
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 Vechile)



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??	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 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)



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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)	
??	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.		



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??	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
??	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	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



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