



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (21.07.2016.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 21.July.2017. next one on 08.Aug.2017.

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

July?? CZ-3B/YZ-1 Beidou 3 M1& M2

Launch site: Xichang, China

Aug02. 0158UTC Vega (VV10) Venus, 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

Aug11. 0500UTC H-2A 204 QZS-3

Launch site: Tanegashima, Japan

Aug14. 0701UTC Atlas 5 541 NROL-42 Trumpet Follow On 2

Launch site: Vandenberg, USA 80

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

Aug17. Proton-M/Briz-M Blagovest (14Φ149)

Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan

Aug24. 1850UTC Falcon 9 FT Formosat 5

Launch site: Vandenberg, USA

Aug26. 0315UTC Minotaur-4/Orion 38ORS-5, SensorSat

Launch site: Cape Canaveral, USA

Aug28. Falcon 9 FT OTV-5 (X-37B)

Launch site: Cape Canaveral, USA

Aug31. 1600UTC Atlas 5 421 (AV075) NROL-52 (Quasar 21)

Launch site: Cape Canaveral, USA

Aug?? PSLV-XL (C39)IRNSS-1H

?? Electron Outerspace 1

Launch site: Kaitorete Spit, New Zeland

?? Epsilon (Jap) ASNARO 2 70



Blog Gorana Hudeca

- Sep01.** [Ariane 5 ECA \(VA239\)](#) **BSat 4a / Intelsat 37e**
Launch site: [Kourou](#), French Guiana
- Sep09.** [Falcon 9 FT](#) **SES 11**
- Sep12.** [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**
- Sep21.** [Rokot / Briz KM](#) **Sentinel-5 Precursor**
- Sep26.** [PSLV](#) **ScatSat**
- 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??** [Proton-M/Briz-M](#) **Amazonas 5**
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Sep?? [CZ-2D](#) GF-5 Gaofen-5 **60**
- 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?? [CZ-3B/G2](#) ZX-6C Zhongxing-6C
- Sep?? [Vega](#) (VV11) MN35-13 (Morocco EO Sat 1)
- ?? [Rokot / Briz KM](#)Geo IK 2
- Oct11.** [Atlas 5 \(531\) \(AV073\)](#) **AEHF-4**
- Oct11.** [Antares 230](#) [Cygnus Orb-8](#)
- Oct12.** [Soyuz-2 1A](#) [Progress MS 7](#)
- Oct12.** **Delta II 7920-10C** [JPSS-1](#) **50**
Launch site: [Vandenberg](#), USA
- Oct21.** **Zenit 3-SLB / DM-SLB** **AngoSat**
- Oct?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M5, [Beidou 3](#) MEO M6
- Oct?? Falcon H Demo Flight
- Oct??** [Proton-M/Briz-M](#) AsiaSat-9
- ?? [Falcon 9 FT](#) KoreaSat 5A
- ?? [Falcon 9 FT](#) SES-16
- Nov01.** [Falcon 9 FT](#) [Dragon SpX-13](#)



Blog Gorana Hudeca

Nov09.	Atlas 5 401 (AV076)	SBIRS-GEO 4	
Nov14.	1528UTC	Pegasus-XL	ICON (Helio EX-1) 40
??Nov30.	CZ-5	Chang'e-5 (Sample return)	
Nov??	Falcon 9 FT	Iridium Next Flight 4 (x10)	
	Launch site: Vandenberg , USA		
Nov??	Soyuz-2 -1B/Fregat-M	Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2	
??	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: Shkablerov , 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)	30
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??	Proton-M/ DM 3	Kosmos	
Dec??	Soyuz-2 1A / Fregat	Kanopus V 3, Kanopus V 4	
??	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
??	CZ	Huaizong-1	
??	CZ-4C	Hede-1	
??	CZ-3B/E	Alcomsat-1	
??	LS-1	LandSpace-1	



Blog Gorana Hudeca

?? [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 + (14)
 45 + (85)

2018.

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

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

?? [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

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



Blog Gorana Hudeca

??	KZ-1A	??
??	Ariane 5 ECA	Hellas-Sat-4
??	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

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

??	Proton-M	PTK NP
??	Vega	TARANIS
??	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](#)
 July?? [Falcon 9](#) FT Oceansat-3
 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

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



Blog Gorana Hudeca

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)
 ?? [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

?? [Soyuz-2](#)-1B/[Fregat](#)-M Glonass K2 / 14
 ?? [Ariane 5](#) Heinrich Hertz



Blog Gorana Hudeca

??	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	
??	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	
??	??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



Blog Gorana Hudeca

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

145

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 Vehicle)

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



Blog Gorana Hudeca

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 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



Blog Gorana Hudeca

??	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.

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



Blog Gorana Hudeca

?? [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
??	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-1
??	Falcon H	ViaSat 3
??	Proton-M	H3M-1
??	Soyuz-2	Progress MS 14
??	Soyuz-2	Progress MS 15



Blog Gorana Hudeca

??	Soyuz-2	Progress MS 16	
??	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)	
??	Soyuz-2	Progress MS 18	
??	CZ-2F/G	SZ-14 Shenzhou-14	



Blog Gorana Hudeca

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)
??	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



Blog Gorana Hudeca

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)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
??	Sunkar Federatsia (unmaned 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



Blog Gorana Hudeca

?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.

- ?? [Proton-M/Briz-M](#) Ekspress – AT3, AT4
- ?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 3
- ?? [Angara 1.2](#) [Gonets](#) x 3
- ?? [Soyuz-2-1B](#) Obzor R -2
- ?? [Soyuz-2-1B](#) Obzor O -1
- ?? [Soyuz-2-1B/Fregat-M](#) Ellips - 1
- ?? [Angara A5P/DM03](#) Dopler 1, 2

- ?? [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



Blog Gorana Hudeca

?? 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 N°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)