



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (25.09.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 25.Sep.2017.

Sep28. 1850UTC [Proton-M/Briz-M](#) [AsiaSat-9](#)

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

Sep29. 2151UTC [Ariane 5 ECA \(VA239\)](#) [BSat 4a](#) / [Intelsat 37e](#)

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

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Sep29. [CZ-3B/YZ-1](#) [ZX-6C Zhongxing-6C](#)

Launch site: [Xichang](#), China

?Sep29. [CZ-2C](#) ??

Launch site: [Xichang](#), China

Oct04. 1306UTC [Falcon 9 FT](#) [Iridium Next Flight 3 \(x10\)](#)

Launch site: [Vandenberg](#), USA

Oct05. [Atlas 5 421 \(AV075\)](#) [NROL-52 \(Quasar 21\)](#)

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

Oct07. 2253UTC [Falcon 9 FT](#) [SES 11](#)

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

Oct09. 2200UTC [H-2A \(F36\)](#) [QZS-4](#)

Launch site: [Tanegashima](#), Japan

Oct09. [CZ-2D](#) [VRSS-2 \(Bolivia Remote Sensing Satellite\)](#)

Launch site: [Jiuquan](#), China

Oct12. 0932UTC [Soyuz-2 1A](#) [Progress MS 7](#)

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

Oct13. 1227UTC [Rokot / Briz KM](#) [Sentinel-5 Precursor](#)

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

Oct14. [Falcon 9 FT](#) [KoreaSat 5A](#)

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

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Oct17. 2137UTC [Minotaur-C XL](#) [SkySat 8/9/10/11/12](#)

Launch site: [Vandenberg](#), USA

Oct25. [Soyuz-2-1B](#) [Labirint 11 \(Elint??\)](#)

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

Oct?? [Electron](#) [Outerspace 1](#)

Launch site: [Kaitorete Spit](#), New Zeland

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



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

Nov08. **0100UTC** [Vega](#) (VV11) **MN35-13 (Morocco EO Sat 1)**
Launch site: [Kourou](#), French Guiana

Nov10. **0947UTC** **Delta II 7920-10C** [JPSS-1](#)
Launch site: [Vandenberg](#), USA

Nov10. [Antares 230](#) [Cygnum Orb-8](#)
Launch site: [Wallops Island](#), USA

Nov11. **2100UTC** **Epsilon (Jap)** **ASNARO 2**
Launch site: [Tanegashima](#), Japan

Nov28. [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2**
40

Nov?? [Falcon 9](#) FT [Iridium Next](#) Flight 4 (x10)
Launch site: [Vandenberg](#), USA

Nov?? [CZ-3B/YZ-1](#) [Beidou 3](#) M1& M2
Launch site: [Xichang](#), China

Nov?? [PSLV](#) XL (C40) ??
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

Dec07. **Zenit 3-SLB / DM-SLB** **AngoSat**

Dec08. **1528UTC** **Pegasus-XL** **ICON (Helio EX-1)**

Dec12. [Ariane 5](#) ES (VA240) [Galileo-FOC](#) FM15 (Nicole), [Galileo-FOC](#) FM16 (Zofia), [Galileo-FOC](#) FM17 (Alexandre), [Galileo-FOC](#) FM18 (Irina)
Launch site: [Kourou](#), French Guiana

Dec13. [Delta IV-M+\(5,2\)](#) **NROL-47 (Topaz 5)**
Launch site: [Vandenberg](#), USA

Dec16. [Falcon 9](#) FT **Bangabandhu-1** 30

Dec17. **0721UTC** [Soyuz-2 1A](#) [Soyuz MS 7 \(S54/55\)](#)
CDR: Шкаплеров (A. N. Shkaplerov), Norishige Kanai, Scott D. Tingle

Dec22. [Soyuz-2 1A / Fregat](#) **Kanopus V 3, Kanopus V 4**

Dec?? [CZ-2D](#) GJ-3 GaoJing-3, GJ-4 GaoJing-4
Dec?? [Falcon H](#) Demo Flight
Dec?? [Falcon 9](#) FT SES-16
Dec?? [GSLV](#) Mk II F8 GSAT 6A
Dec?? [Proton-M/Briz-M](#) Blagovest 12
Dec?? [Falcon 9](#) FT [Dragon](#) SpX-13

?? [Falcon 9](#) FT PAZ



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??	CZ-11	TY-2, 3, 4, 5 Tianyi	
Launch site:	Jiuquan , China		20
??	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	
??	??	LJ-1 Luojia-1	
??	CZ	Huaizong-1	
??	CZ-4C	Hede-1	10
??	CZ-3B/E	Alcomsat-1	
??	LS-1	LandSpace-1	
??	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)	
??	CZ-2D	GF-5 Gaofen-5	
??	CZ-4B	FY-3D Feng Yun-3D	
??	CZ-3B/G2	ZX-6C Zhongxing-6C	
??	H-2A (F37)	GCOM-C	
??	H-2A	IGS Optical-6	
??	Simorgh	Dosti (Nahid 1??) (Payam-e Amir Kabir??)	
Launch site:	Semnan , Iran		

13 + (9)
59 + (61)

2018.

Jan10.	Zenit 3 SL / Fregat-SB	Lybid'	
Jan18.	Atlas 5 401 (AV076)	SBIRS-GEO 4	
Jan20.	Vega (VV11)	Aeolus / ADM	
Jan23.	Ariane 5 ECA (VA241)	Al Yah 3	160
Jan26.	Falcon 9 FT	Dragon SpX-14	
??	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	



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Feb20. CZ Taurus-1

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
??	Soyuz-2-1B	Pion
??	CZ-3B/YZ-1	Beidou 3 MEO M3, Beidou 3 MEO M4
??	CZ-3B/YZ-1	Beidou 3 MEO M5, Beidou 3 MEO M6

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

Mar06. [PSLV](#) ??[IRNSS-1I](#) Team Indus

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

Mar09. [Soyuz-2 1A](#) [Soyuz MS 8 \(S55/56\)](#)
 CDR: [Арте́мьев \(O. G. Artemyev\)](#), Andrew [J. Feustel](#), Ricky [R. Arnold](#) 140

Mar14. [Antares](#) 230 [Cygnum](#) Orb-9E

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

Mar?? [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.

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??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x10)
Mar??	Ariane 5 ECA	Hylas 4

??	GSLV MK III D2	GSAT-20
??	KZ-1A	??
??	KZ-1A	??
??	KZ-1A	??
??	KZ-1A	??
??	Falcon 9 FT	SES-12
??	Ariane 5 ECA	Azerspace 2 (Intelsat 38) / SES 14 GOLD
??	Ariane 5 ECA	GSAT-11
??	Proton-M/ DM 3	Kosmos
??	SS-520-4	Tricom-1R

Apr18. [Atlas 5](#) 551 (AV81) AFSPC-11 120

Apr27. [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)
 CDR: [Прокопьев \(S. V. Prokopyev\)](#), Jeanette J. [Epps](#), Alexander [Gerst](#)

Apr??	Falcon 9 FT	Iridium Next Flight 7 (x10)
Apr??	H-2A	GOSAT-2
Apr??	Epsilon	OrigamiSat-1



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May05. [Atlas 5 401](#) **InSight**

Launch site: [Vandenberg](#), USA

May?? [Ariane 5](#) ECA GEO-KOMPSAT-2A
 May?? [CZ-3B](#)/YZ-1 Beidou 3 MEO M13, Beidou 3 MEO M14

June27. [Soyuz-2 1A](#) **Progress MS 9**

June?? CZ L2 Chang'e 4 communications relay satellite
 June?? CZ-2C Pakistani Remote Sensing Satellite (PRSS) 1
 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)

?? [GSLV](#) MK II F11 GSAT-10A
 Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

?? [Proton-M](#) PTK NP
 ?? [Vega](#) TARANIS
 ?? [Soyuz ST](#) CSO 1
 ?? [Vega](#) Prisma
 ?? [Proton-M/Briz-M](#) Kosmos
 ?? [Proton-M/ DM-03](#) [Glonass-M/](#) ?? 100
 ?? [Angara A5/ Briz-M](#) Kosmos
 ?? [Ariane 5](#) ECA Hellas-Sat-4
 ?? [CZ-5 Y3](#) [SJ-18 02](#)

July31. **Delta 4-H** **Parker Solar Probe**

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

?? [Falcon 9](#) (SPx-DM2) Dragon v2
CDR: Robert **Behnken** ,Eric **Boe**

Aug?? [CZ-3C](#) Beidou 2 I7
 Aug?? [Soyuz-2](#) [Progress MS](#) 10
 Aug?? [Delta IV](#)-M+(4,2) GPS III-1
 Aug?? [Falcon 9](#) FT [Dragon](#) SpX-15

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 16
 ?? [Falcon 9](#) FT PSN VI
 ?? [Atlas 5](#) (531) (AV073) AEHF-4

Sep12. **Delta II 7320-10C** **ICESat-II**

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

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

CDR: Алексей **Овчинин** (Aleksei N. **Ovchinin**), Н. **Тихонов** (N. **Tikhonov**), Nick T. **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



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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	80
Sep??	Ariane 5 ECA	DSN 1 (Superbird-8)	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 17	
??	Ariane 5 ECA	EDRS-C (Hylas 3)	
??	Ariane 5 ECA	Intelsat 7C	
??	Falcon 9	GPS IIIA-2	
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	
Oct??	Antares 230	Cygnus Orb-10E	
??	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			
??	Minotaur 1	NROL 111	
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	60
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 15	
Dec??	Atlas 5 422 (AV082)	CST-100 Starliner	
CDR: Hurley, Behnken			
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 H	Circumlunar Dragon V2	
??	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	



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??	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	40
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/Briz-M	Ямал-601	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	EgyptSat 3	
??	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	
??	Soyuz-2 -1B	Obzor R -1	
??	Dnepr	UniSat-7	
Launch site: (Dombrovskiy), Russia			
??	Angara 1.2	Kosmos	
??	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	CSSES-1 Earthquake electromagnetism monitor satellite	
??	??	FY-3 Fengyun-3 RM-1	
??	??	VeneSat-2	
??	CZ-3B/E	CC-1 Changcheng-1	
??	CZ-2D	GF-7 Gaofen-7	
??	CZ	CBERS-SAR 1	20
??	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	
??	CZ-3B /YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8	
??	CZ-3C	Beidou 3 G8	



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??	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.

Jan??	Atlas 5 531	Cygnum OA-11
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
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Soyuz-2-1B / Fregat	Glonass K2 / 13
Apr??	??	GOES-T
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
??	Vega	Cosmo-SkyMed Secon Gen 1 <input type="checkbox"/> CSG-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)

Sep??	Soyuz-2-1B / Fregat -M	Glonass K1 / 22
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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)**

Dec15. **SLS-1 Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)**

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

?? [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](#) OpSis
 ?? [Vega](#) VNREDSat
 ?? [Vega](#) LOTUSat

?? [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 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



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??	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
??	CZ-5	Tian He Space Station Core Module
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/EPS-SG-a/Sentinel-5A
??	Proton-M/Briz-M	ExoMars (CM+DM)
July16	Ariane 62	Galileo-FOC FM23, Galileo-FOC FM24
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



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?? 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
 ?? Vega Proba 3

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
??	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
??	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
??	Soyuz-2-1A/Fregat-M	Gonets x 6
??	Proton-M/Briz-M	AOneSat-1
??	Proton-M/Briz-M	Terrestar-2



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??	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
??	Ariane 5	Arsat 3
??	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)
??	H-IIA	Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)
??	H-IIA	Inmarsat-6 F1

2021.

Jan ??	Ariane 62	Galileo-FOC FM25, Galileo-FOC FM26
??	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
Sep30.	Soyuz-2-1A	Sojuz MS-18
Oct??	Atlas 5 401/Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)



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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	Resurs PM - 2
??	Soyuz-2 -1B/ Fregat -M	Meteor M No2-4
??	Soyuz-2 -1B/ Fregat -M	Meteor M No3
??	Angara 1.2	Gonets x 3
??	Proton-M/Briz-M	Elektro L - 5
??	Proton-M/Briz-M	Ekspress-RV1, Ekspress-RV2
??	Proton-M/Briz-M	Ekspress AMU 4
??	Soyuz-2 -1B/ Fregat -M	Smotr R №1
??	Proton-M/Briz-M	IntelSat
??	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

?? [Soyuz-2](#) [Progress MS](#) 20

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 Vehicle)
 ?? CZ-5B Xuntian Lab module Space station module
 ?? CZ-2F/G SZ-15 Shenzhou-15

June01. SLS Block I Orion: Exploration Mission 2 (Crew to Cislunar) Mission)

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)



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??	Sunkar ??	
??	Soyuz-2	Progress MS 21
Aug??	H2B	Phobos sample return
Sep30.	Soyuz-2-1A	Sojuz MS-20
Sep??	Soyuz ST B/Fregat -MT	MetOp-SG B1
??	Sunkar Federatsia (unmaned)	
Dec??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)
??	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 3, Ekspress – RV 4
??	Angara 1.2	Gonets x 3
??	Soyuz-2-1B/Fregat -M	Meteor M No2-5
??	Proton-M/Briz-M	Eutelsat
??	Proton-M/Briz-M	Intelsat
??	Soyuz-2-1B/Fregat -M	Smotr R №2
??	Soyuz-2-	Razdan 2
??	Ariane 5	Moon's south pole samples return mission
??	Vega	Jason-CS B
??	Ariane 5	ATHENA
??	CZ	HY-3C Haiyang-3C
2023.		
??	Soyuz-2	Progress MS 23
Mar30.	Soyuz-2-1A	Sojuz MS-21
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16
June??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
??	Soyuz-2	Progress MS 24
Sep30.	Soyuz-2-1A	Sojuz MS-22
??	Soyuz-2	Progress MS 25
Dec??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)



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?? Sunkar Federatsia (unmanned flight to ISS)
 ?? Sunkar Federatsia (Light 14t – 2 man to ISS)

?? 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

?? [GSLV](#) MK III Mission to Venus

?? [Angara](#) A5P/DM03 Lutch 5 – 2
 ?? [Soyuz-2-1b](#) Bion-M No. 2
 ?? [Angara](#) A5P/DM03 Lutch 5 – 3
 ?? ?? Ямал GK 2

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



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??	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)

начало года - Прогресс МС-26 (№456) - Союз-2-1А - Байконур 31/6
 30 марта - Союз МС-22 (№752) - Союз-2-1А - Байконур 1/5
 середина года - Прогресс МС-27 (№457) - Союз-2-1А - Байконур 31/6
 30 сентября - Союз МС-23 (№753) - Союз-2-1А - Байконур 1/5
 конец года - Прогресс МС-28 (№458) - Союз-2-1А - Байконур 31/6
 конец года - ПТК НП "Федерация" (лёгкий 14 т - полёт к МКС с экипажем из 2-х человек) - Союз-5 (Сункар) - Байконур 45/1
 ПО - Спектр-УФ - Протон-М/ДМ-03 - Байконур
 ПО - Полярная звезда №1 (Ямал-ГК ВЭО №1) - ПО - ПО
 ПО - три Гонца-М (№41,42,43) [блок №21] - Ангара-1.2/АМ - Плесецк 35/1
 ПО - Метеор-МП №1, Зонд-М - Союз-2-1Б/Фрегат-М - Восточный 1С
 ПО - Арктика-М №4 - Союз-2-1Б/Фрегат-М - Байконур или Восточный 1С
 ПО - Обзор-Р №3 - Союз-2-1А - Восточный 1С
 ПО - Ресурс-ПМ №4 - Союз-2-1Б - Восточный 1С
 ПО - Космос (Раздан №3) - Союз-2 - Плесецк
 ПО - Луна-28 (Луна-Грунт) - Ангара-А5М/КВТК (ПО) - Восточный 1А
 ПО - первый пуск - Сункар/ДМ-SLB - Байконур 45/1
 ПО - ПО - Ангара-А5М/КВТК - Восточный 1А

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, МКА-PN5

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

начало года - Резонанс №3,4 - Союз-2-1Б/Фрегат-М - Восточный 1С
 начало года - Союз МС-24 (№754) - Союз-2-1А - Байконур
 начало года - Прогресс МС-29 (№459) - Союз-2-1А - Байконур
 ПО - Полярная звезда №2 (Ямал-ГК ВЭО №2) - ПО - ПО
 ПО - Полярная звезда №3 (Ямал-ГК ВЭО №3) - ПО - ПО
 ПО - три Гонца-М (№44,45,46) [блок №22] - Ангара-1.2/АМ - Плесецк 35/1
 ПО - Электро-М №1-1 - Ангара-А5М/ДМ-03 - Восточный 1А
 ПО - Арктика-М №5 - Союз-2-1Б/Фрегат-М - Байконур или Восточный 1С
 ПО - Обзор-О №2 - Союз-2-1А/Фрегат - Восточный 1С
 ПО - БИОН-М №3 - Союз-2-1Б - Байконур



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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)