



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (2.10.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 02.Oct.2017.

- Oct05.** [Atlas 5 421 \(AV075\)](#) [NROL-52 \(Quasar 21\)](#)
Launch site: [Cape Canaveral](#), USA
- Oct07.** **2253UTC** [Falcon 9](#) [SES 11](#)
Launch site: [Cape Canaveral](#), USA
- Oct09.** **1250UTC** [Falcon 9](#) [Iridium Next Flight 3 \(x10\)](#)
Launch site: [Vandenberg](#), USA
- Oct09.** **2200UTC** [H-2A \(F36\)](#) [QZS-4](#)
Launch site: [Tanegashima](#), Japan
- Oct09.** **0406UTC** [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.** **0927UTC** [Rokot / Briz KM](#) [Sentinel-5 Precursor](#)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia 50
- 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](#) [Still Testing](#)
Launch site: [Kaitorete Spit](#), New Zeland
- Oct?? [Falcon 9 FT](#) [KoreaSat 5A](#)
Launch site: [Cape Canaveral](#), USA
- ?? [Rokot / Briz KM](#) Geo IK 2
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia
- 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
- Nov12.** [CZ-3B/YZ-1](#) [Beidou 3 M1& M2](#)
Launch site: [Xichang](#), China



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- Nov15.** [CZ-4C](#) **FY-3 Fengyun-3 D**
Launch site: [Jiuquan](#), China 40
- Nov28.** [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2**
Launch site: [Восточный \(Vostochniy\) Cosmodrome, Russia](#)
- Nov?? [Falcon 9](#) FT [Iridium Next](#) Flight 4 (x10)
Launch site: [Vandenberg](#), USA
- Nov?? [PSLV](#) XL (C40) **CartoSat 2E**
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](#)
- ?? **Epsilon (3)** **ASNARO 2**
Launch site: [Tanegashima](#), Japan
- Dec07.** **Zenit 3-SLB / DM-SLB** **AngoSat**
Launch site: [Байконур \(Baikonur\) Cosmodrome, Kazakhstan](#)
- 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 30
- Dec13.** [Delta IV-M+\(5,2\)](#) **NROL-47 (Topaz 5)**
Launch site: [Vandenberg](#), USA
- Dec16.** [Falcon 9](#) FT **Bangabandhu-1**
- Dec17. 0721UTC** [Soyuz-2 1A](#) [Soyuz MS 7 \(S54/55\)](#)
CDR: **Шкаплеров (A. N. Shkaplerov)**, Norishige **Kanai**, Scott **D. Tingle**
Launch site: [Байконур \(Baikonur\) Cosmodrome, Kazakhstan](#)
- Dec22.** [Soyuz-2 1A / Fregat](#) **Kanopus V 3, Kanopus V 4**
Launch site: [Восточный \(Vostochniy\) Cosmodrome, Russia](#)
- 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 20
- ?? [Falcon 9](#) FT PAZ
- ?? [CZ-11](#) TY-2, 3, 4, 5 [Tianyi](#)
Launch site: [Jiuquan](#), China
- ?? 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-3B/YZ-1](#) ZX-6C Zhongxing-6C



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Launch site: [Xichang](#), China

??	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	
??	H-2A (F37)	GCOM-C	
??	H-2A	IGS Optical-6	
??	Simorgh	Dosti (Nahid 1??) (Payam-e Amir Kabir??)	

Launch site: [Semnan](#), Iran

13 + (9)
62 + (56)

2018.

Jan10.	Zenit 3 SL / Fregat-SB	Lybid'	160
Jan18.	Atlas 5 401 (AV076)	SBIRS-GEO 4	
Jan20.	Vega (VV11)	Aeolus / ADM	
Jan23.	Ariane 5 ECA (VA241)	Al Yah 3 / SES 14 GOLD	
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, NovaSAR	
Feb01.	CZ-2D	ZH-1 Zengheng 1 (ESEM experimental satellite on Electromagnetism Monitoring), Ministar-1, Fengmaniu-1	
Feb09.	Soyuz-2 1A	Progress MS 8	
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	



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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	140

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: **Артемьев (O. G. Artemyev)**, Andrew **J. Feustel**, Ricky **R. Arnold**

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)
??	Ariane 5 ECA	GSAT-11
??	Proton-M/ DM 3	Kosmos
??	SS-520-4	Tricom-1R

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

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

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

May?? [Ariane 5 ECA](#) GEO-KOMPSAT-2A



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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	
??	GSLV MK II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	Proton-M	PTK NP	
??	Vega	TARANIS	
??	Soyuz ST	CSO 1	100
??	Vega	Prisma	
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/DM-03	Glonass-M/ ??	
??	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	80
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 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)	



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

Oct05. [Ariane 5](#) [BepiColombo](#) ESA and ISAS Mercury Orbiters

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

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

CDR: Кононенко (Oleg Kononenko), Serena **Auñón-Chancellor,** David **Saint-Jaques** 60

??	Minotaur 1	NROL 111
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	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

??	Soyuz-2 1A / Fregat	Kanopus V 5, Kanopus V 6	40
??	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



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??	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		CSES-1 Earthquake electromagnetism monitor satellite
??	??		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
??	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 [Cygnus](#) 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)
 Feb?? [Proton-M](#) MLM

?? [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
 Mar?? [Soyuz-2](#) 1B Progress M-UM

?? [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 Vehicle)

June?? [Atlas 5](#) 551 STP-03
 June?? [Ariane 5](#) MTG-I1
 June?? [Ariane 5](#) ES JWST (James Webb Space Telescope)

?? [PSLV](#) RISAT 1A
 ?? [CZ-3B/G2](#) TECSTAR 1
 ?? [Vega](#) Cosmo-SkyMed Secon Gen 1 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

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)



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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	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
??	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
??	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



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??	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/EP-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
??	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.		



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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	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
??	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
??	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



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??	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)
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



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??	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)

?? Sunkar ??
 ?? [Soyuz-2](#) [Progress MS 21](#)

Aug?? H2B Phobos sample return

Sep30. [Soyuz-2-1A](#) [Sojuz MS-20](#)



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- Sep?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG B1
- ?? Sunkar Federatsia (unmaned)
- Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-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](#) Ekspres – AMU 5
- ?? [Proton-M/Briz-M](#) Ekspres – AMU 6
- ?? [Proton-M/Briz-M](#) Ekspres – RV 3, Ekspres – 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](#) USCVC-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](#) USCVC-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)
- ?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.
- ?? [Proton-M/Briz-M](#) Ekspres – AT3, AT4



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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	
??	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
??	Soyuz-2-1B/Fregat-M	Arktika M 4	
??	Angara A5P/DM03	Bumerang (FobosGrunt 2)	
??	??	DYNAMIC/STP-06	
??	CZ	Asteroid (Ceres) Sample Return Mission	



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?? 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

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)



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