



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (11.12.2017.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 11.Dec.2017.

Dec11. 0130UTC [Electron](#) [Still Testing](#)

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

Dec12. 1646UTC [Falcon 9](#) [Dragon](#) SpX-13

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

Dec12. 1836UTC [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

Dec17. 0721UTC [Soyuz-2 1A](#) [Soyuz MS 7 \(S54/55\)](#)

CDR: Антон Николаевич [Шкаплеров](#) (Anton N. [Shkaplerov](#)), Norishige [Kanai](#), Scott D. [Tingle](#)

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 10

Dec23. 0126UTC [H-2A \(F37\)](#) [GCOM-C](#)

Launch site: [Tanegashima](#), Japan

Dec23. 0132UTC [Falcon 9](#) [Iridium Next Flight 4 \(x10\)](#)

Launch site: [Vandenberg](#), USA

Dec23. CZ-2D [LKW-2 Ludikancha Weixing - 2](#)

Launch site: [Jiuquan](#), China

Dec25. 0330UTC [SS-520-4](#) [Tricom-1R](#)

Launch site: [Tanegashima](#), Japan

Dec26. Zenit 3-SLB / DM-SLB [AngoSat](#)

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

Dec28. CZ-2D [GJ-1 GaoJing-1 03/04](#)

Launch site: [Jiuquan](#), China

Dec?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M3, [Beidou 3](#) MEO M4

Launch site: [Xichang](#), China

?? [Simorgh](#) [Dosti](#)

Launch site: [Semnan](#), Iran

?? Unha-3 Kwangmyŏngsŏng-5

16 + (2)

82 + (13)

2018.

Jan04. Falcon 9 [Mission 1390 - Zuma \(no info about!!\)](#)

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



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- Jan07.** [PSLV XL \(C40\)](#) [CartoSat 2E](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India
- Jan10.** [Delta IV-M+\(5,2\)](#) [NROL-47 \(Topaz 5\)](#)
Launch site: [Vandenberg](#), USA
- Jan16. 2100UTC** [Epsilon \(3\)](#) [ASNARO 2](#)
Launch site: [Tanegashima](#), Japan
- Jan17.** [CZ-11](#) [TY-2, 3, 4, 5 Tianyi](#) [Jilin-1-04 \(Lingqiao 1-04\)](#), [Jilin-1-05 \(Lingqiao 1-05\)](#), [Jilin-1-06 \(Lingqiao 1-06\)](#), [Jilin-1-07 \(Deqing-1\)](#), [Jilin-1-08](#), [Quantutong-1 \(QTT-1\)](#), [Kepler \(CubeSat-3U\)](#)
Launch site: [Jiuquan](#), China
- Jan19. 0040UTC** [Atlas 5 401 \(AV076\)](#) [SBIRS-GEO 4](#)
- Jan21.** [CZ-2C](#) [CX-5 Chuangxin-5 \(Yaogan 30-03 \(3 sats\)\)](#)
Launch site: [Xichang](#), China 180
- Jan25.** [Ariane 5 ECA \(VA241\)](#) [Al Yah 3 / SES 14 GOLD](#)
- Jan30.** [Falcon 9 FT](#) [PAZ](#)
- Jan30. 2123UTC** [Falcon 9](#) [SES-16](#)
Launch site: [Cape Canaveral](#), USA
- Jan?? [Falcon H](#) [Demo Flight](#)
Launch site: [Cape Canaveral](#), USA
- Jan?? [Soyuz-2-1V](#) [Kosmos EMKA](#)
Launch site: [Плесецк \(Plesetsk\)](#) Cosmodrome, Russia
- Jan?? [GSLV Mk II F8](#) [GSAT 6A](#)
- ?? [CZ-3B/YZ-1](#) [ZX-6C Zhongxing-6C](#)
?? [CZ-3A](#) [FY-2H Fengyun-2H](#)
?? [CZ-2D](#) [GF-6 Gaofen-6](#)
?? [CZ-2D](#) [SaudiSAT 5B](#)
?? [CZ](#) [YG-32 Yaogan Weixing 32](#)
- Feb01.** [CZ-2D](#) [ZH-1 Zengheng 1 \(ESEM experimental satellite on Electromagnetism Monitoring\)](#), [Ministar-1](#), [Fengmaniu-1](#), [GomX-4B](#), [GomX-4A](#)
- Feb11.** [Soyuz-2 1A](#) [Progress MS 8](#)
- Feb20.** [CZ](#) [Taurus-1](#)
- Feb?? [Soyuz-2 1A / Fregat](#) [Kanopus V 3](#), [Kanopus V 4](#)
Launch site: [Восточный \(Vostochniy\)](#) Cosmodrome, Russia
- Feb?? [Falcon 9 FT](#) [SES-12](#)
- ?? [Falcon 9 FT](#) [Iridium Next Flight 5 \(x10\)](#)
Launch site: [Vandenberg](#), USA
- ?? [Soyuz-2-1B](#) [Pion](#)



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??	CZ-3B/YZ-1	Beidou 3 MEO M5, Beidou 3 MEO M6
??	H-2A	IGS Optical-6 160
??	PSLV XL (C41)	IRNSS I
??	Soyuz-2-1B/Fregat-M	Glonass-M/ 59
??	Falcon 9 FT	Es'hail 2
??	Falcon 9	Hispasat 30W-6 (1F)

Mar01. 2202UTC [Atlas 5](#) (541) **GOES-S**

Mar01. [Soyuz ST B/Fregat-MT](#) (VS18) **O3b**

Mar06. [PSLV](#) C42 **Team Indus Lunar Lander/ Rover, Team Hakuto Rover**

Mar10. [Soyuz-2 1A](#) [Soyuz MS 8](#) (S55/56)

CDR: Олег Германович **Артемьев** (Oleg G. **Artemyev**), Andrew J. **Feustel**, Ricky R. **Arnold**

Mar13. [Falcon 9](#) FT [Dragon](#) SpX-14

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

Mar18. [Falcon 9](#) **TESS**

Mar22. 0146UTC [Falcon 9](#) [Iridium Next](#) Flight 6 (x10)

Mar?? [Proton-M/Briz-M](#) Blagovest 12
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Mar??	GSLV Mk II D9	Chandrayaan 2
Mar??	Rokot / Briz KM	Sentinel 3B
Mar??	CZ-2C	Pakistani Remote Sensing Satellite (PRSS) 1
Mar??	Falcon 9 FT	Bangabandhu-1
Mar??	Ariane 5 ECA (VA242)	Hylas 4, Azerspace 2 (Intelsat 38)

?? [Rokot / Briz KM](#) Geo IK 2
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? Pegasus-XL [ICON](#) ([Helio EX-1](#)) 140
Launch site: [Kwajalein Atoll](#), USA

??	KZ-1A	??
??	KZ-1A	??
??	KZ-1A	??
??	KZ-1A	??
??	Proton-M/ DM 3	Kosmos

Apr01. [Falcon 9](#) (SPx-DM1) **Dragon v2 unmanned test**

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

Apr25. [Soyuz-2 1A](#) [Soyuz MS 9](#) (S56/57)

CDR: Сергей Валерьевич **Прокопьев** (Sergei Valerevich **Prokopyev**), Jeanette J. **Epps**, Alexander **Gerst**

Apr30. **Falcon Heavy **STP-02****

Apr??	H-2A	GOSAT-2
Apr??	Epsilon	OrigamiSat-1



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Apr??	Ariane 5 ECA	DSN 1 (Superbird-8)
??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia		
??	Falcon 9	Telstar 18
??	Falcon 9	Telstar 19
May01.	Antares 230	Cygnum Orb-9E
May01.	Vega (VV12)	Aeolus / ADM
May05.	Atlas 5 401	InSight
Launch site: Vandenberg , USA		
??	Falcon 9 FT	Iridium Next Flight 7 (x10)
??	CZ-3B/YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8 120
June06.	Falcon 9 FT	Dragon SpX-15
June30.	Soyuz-2 1A	Progress MS 9
June??	CZ	L2 Chang'e 4 communications relay satellite
June??	Falcon 9	Iridium Next Flight 8 (x5), GRACE FO_1, FO_2
June??	Falcon 9	SAOCAM 1A
??	Proton-M	PTK NP
??	Vega	TARANIS
??	Soyuz ST	CSO 1
??	Vega	Prisma
??	Proton-M/Briz-M	Kosmos
??	Angara A5/ Briz-M	Kosmos
??	Ariane 5 ECA	GSAT-11
??	Falcon 9	Spaceflight SSO-A
??	GSLV MK III D2	GSAT-29
July31.	Delta 4-H	Parker Solar Probe
July??	PSLV	Cartosat-3
July??	Atlas 5 (531) (AV073)	AEHF-4
July??	Ariane 5 ES	Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC FM21
(Anna), Galileo-FOC FM22 (Ellen)		
??	Falcon H	Arabsat 6A
??	Falcon 9	GPS IIIA-2 100
??	Falcon 9	PSN VI
??	CZ-3B/YZ-1	Beidou 3 MEO M9, Beidou 3 MEO M10
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x10)
??	Ariane 5 ECA	GEO-KOMPSAT-2A
Aug??	Falcon 9 (SPx-DM2)	Dragon v2
CDR: Eric Boe, Sunita Williams		
Aug??	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)
Aug??	CZ-3C	Beidou 2 I7



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Aug??	Delta IV -M+(4,2)	GPS III-1
Aug??	Falcon 9 FT	Telkom 4
Aug??	Falcon 9 FT	Dragon SpX-16
Aug??	H-2B (F7)	HTV7
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Soyuz-2-1B / Fregat -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4

Sep07. [Soyuz-2 1A](#) [Soyuz MS 10 \(S57/58\)](#)

CDR: Алексей Николаевич **Овчинин** (Aleksei Nikolaevich **Ovchinin**), Николай Владимирович **Тихонов** (Nikolai Vladimirovich **Tikhonov**), Tyler **Hague**

Sep12. [Delta II 7320-10C](#) [ICESat-II](#)

Sep15. [Delta 4-H](#) [NROL-71](#)

Sep17. [Soyuz ST](#) B/[Fregat](#)-M [MetOp-C](#)

Sep?? [CZ-3B](#)/YZ-1 Beidou 3 MEO M15, Beidou 3 MEO M16

?? [Zenit 3 SL](#) /[Fregat](#)-SB Lybid'
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

??	Ariane 5 ECA	EDRS-C (Hylas 3)	80
??	Ariane 5 ECA	Intelsat 7C	
??	Falcon 9	Radarsat C-1, -2, C-3	
??	Falcon 9	OHB SARah satellite (x2)	
??	CZ-5 Y3	SJ-18 02	
??	Ariane 5 ECA	Hellas-Sat-4	

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

Oct11. [Soyuz-2](#) [Progress MS 10](#)

Oct?? [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.

Oct??	CZ-3C	Beidou 3 G1Q
Oct??	Proton-M / Briz-M	Elektro L - 3
Oct??	Antares 230	Cygnus Orb-10E
Oct??	Falcon 9	Dragon SpX-17

??	Ariane 5 ECA	Intelsat 39
??	Ariane 5	Horizon 3e
??	Soyuz-2-1B / Fregat -M	Glonass M 60

Nov07. [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)

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

Nov?? [Atlas 5](#) 422 (AV082) CST-100 Starliner

CDR: Douglas **Hurley**, Robert **Behnken**

?? [Epsilon \(4\)](#) [Inovative Technology Demonstration Satellite - 1](#)
Launch site: [Tanegashima](#), Japan



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??	Minotaur 1	NROL 111	
??	Soyuz ST B / Fregat -MT	OneWeb smalsat (x32)	60
??	Falcon 9	Spaceflight GTO.C	
??	Soyuz-2 1A / Fregat	Kanopus V 5, Kanopus V 6	
??	Soyuz-2 -1B/ Fregat -M	Glonass M 61	
??	Proton-M / Briz-M	Blagovest 13	
Dec20.	Proton-M	MLM	
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	
Dec??	Falcon 9 FT	Dragon SpX-18	
??	Ariane 5	Heinrich Hertz	
??	Minotaur-4	FORMOSAT-7 (6 sat)	
??	Delta IV -M (5,4)	WGS 10	
??	Atlas 5	AEHF 5	
??	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	
??	Proton-M / Briz-M	Anik G2V	40
??	Soyuz-2 -1B/ Fregat M	Meridian 18L	
??	Soyuz-2 1A	Bars-M 3	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2 -1B	Obzor R -1	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 15	
??	Angara 1.2	Kosmos	
??	Vega	MN35-13 B Morocco EO Sat 1 2	
??	CZ-3B /YZ-1	Beidou 3 MEO M11, Beidou 3 MEO M12	
??	CZ-3B /YZ-1	Beidou 3 MEO M13, Beidou 3 MEO M14	
??	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	
??	CZ	Deep Space Solar Observatory	
??	CZ	CBERS-4B	
??	CZ-2	CAS-2A1, CAS-2A2	
??	CZ-3B /E	SupremeSAT-II	20
??	CZ-3B /E	CongoSat 1	



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??	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-3C	Beidou 3	G8
??	CZ	Orbita-1	1
??	??	LJ-1	Luojia-1
??	CZ	Huaizong-1	
??	LS-1	LandSpace-1	
??	GSLV MK II	F12	GSAT-7A
??	GSLV MK II	F10	GISAT
??	PSLV	EnMap	
??	Safir 1 B	Tadbir	
??	Safir 3A	Pars sepheer	
??	Tronador II/VEX5	TBD	(suborbital)
Launch site: Puerto Belgrano, Argentina			

30
186

2019.

??	Falcon 9		GiSat-1
Jan??	Atlas 5	531	Cygnus OA-11
Jan??	Falcon 9		Dragon v2 (USCV-1) with 2 astronauts
Feb06.	Soyuz-2		Progress MS 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??	Atlas 5	551 (AV-086)	AEHF-6
??	Soyuz-2 -1B	Arktika M 1	
Launch site: Восточный (Vostochniy), Cosmodrome, Russia			



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Mar07. **Soyuz-2 1A Soyuz MS 12 (S59/60)**

CDR: Олѐг Ива́нович **Скри́почка**, (**Oleg Ivanovich Skripotscka**), Андрѐй Николаѐвич **Ба́бкин** (**Andrei Nikolaevich Babkin**), Shannon **Walker** 80

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)
May??	Falcon 9 FT	Dragon SpX-19
May??	Atlas 5 402	CST 100 Starliner (USCV-2) with 2 astronauts
May??	Soyuz-2	Progress MS 12
June??	Atlas 5 551	STP-03
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
??	Ariane 5	Inmarsat-5 F5
Aug??	Soyuz ST B/Fregat -MT	EarthCare
Aug??	CZ-2C	CFOSAT (China-France Oceanography SATellite) 60

Sep30. **Soyuz-2 1A Soyuz MS 13 (S60/61)**

CDR: Александр Александрович **Скворцо́в** (**Aleksandr Aleksandrovich Skvortsov**), Luca **Parmitano** (ESA), Anne **McClain** (NASA)

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
Oct??	Falcon 9 FT	Dragon SpX-20
Oct??	Atlas 5 552	Dream Chaser Cargo System SNC-1
Oct??	Soyuz-2	Progress MS 13

Nov14. Soyuz-2 1B Progress M-UM

Nov29. Soyuz-2 1a / Fregat Luna 25 (Luna-Glob-1)

??	Soyuz-2-1B/Fregat -M	Glonass K2 / 14
??	Proton-M/Briz-M	Blagovest 14
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



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??	Falcon H	Circumlunar Dragon V2	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	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	40
??	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	
??	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-2-1A/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	20
??	Proton-M/ DM-03	Glonass-M/ 56,57,58	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 16	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 17	
??	Proton-M/ DM-03	Glonass-M/ K18,K19,K20	
??	Proton-M/ DM-03	Glonass-M/ K21,K22,K23	
??	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	
??	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-4B	HY-2C Haiyang-2C	
??	GSLV MK II F11	GSAT-10A	

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India



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?? [PSLV](#) XL [Aditya'](#)

?? [PSLV](#) ScatSat, NovaSAR

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2020.

Jan?? [Falcon 9](#) v1.1 USCVC-3 (US Commercial Vehicles)

Mar30. **Soyuz 2-1A** [Soyuz MS 14 \(S61/62\)](#)
Soichi **Noguchi**

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 Space station module
?? CZ-2F/G SZ-12 Shenzhou-12

?? [CZ-3B/G2](#) ZX-18 Zhongxing-18

June?? SLS-1 Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)

June?? Ariane MTG-S1/Sentinel-4A
June?? [CZ-3C](#) Beidou 3 G3Q
June?? [Vega_C](#) [Space Rider flight 1](#)

July16 **Ariane 62** **Galileo-FOC FM23, Galileo-FOC FM24**

July24. [Proton-M/Briz-M](#) **ExoMars (CM+DM)** 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.

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)
?? [Vega-C Pleiades Neo 1, Pleiades Neo 2](#)

Sep30. **Soyuz 2-1A** [Soyuz MS 15 \(S62/63\)](#)

Sep?? CZ CBERS-6
Sep?? [Soyuz-2-1B/Fregat-M](#) Glonass K2 / 15



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?? CZ-2F/G SZ-13 Shenzhou-13

Oct?? Vega Proba 3

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-21
 ?? [Falcon 9](#) FT [Dragon](#) SpX-22
 ?? [Antares](#) 230 [Cygnus](#) OA-12

?? 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](#) Glonass M 55
 ?? [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-M](#) Arktika M 3
 ?? [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
 ?? [Soyuz-2-1A](#) Kobalt M
 ?? [Soyuz-2-1A](#) Foton M

?? ?? Zond



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??	??	MKA PN6 (Monika)
??	??	Картограф-ОЭ №1
??	Vega	Sentinel-2C
??	Vega	Sentinel-3C
??	??	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	Soyuz MS 16
Apr??	Soyuz ST B/ Fregat M	MarcoPolo-R
June??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)

June?? [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.

??	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
July??	Vega	Biomass

Sep30. [Soyuz-2-1A](#) [Soyuz MS](#) 17

Sep?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EPS-SG-a/Sentinel-5A

Oct??	Atlas 5 401/ Falcon 9 v1.1	JPSS Free Flyer 2 (TSIS-2)
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?? [Ariane 5](#) MTG-I1

Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-6 (US Commercial Vehicles)

?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-2



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??	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](#) [Soyuz MS 18](#)

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 4-25 - Europa Clipper (Orbiter) - ~~EELV Heavy~~ SLS Block IB - ~~Canaveral~~ Kennedy LC-39B (or [January 1-17, 2023](#) ~~2025~~)

June?? [Ariane 5](#)ECA JUICE (JUperiter ICy moon Explorer)
 June?? Ariane 5 MTG-12
 June?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (US Commercial Vehicles)

?? Sunkar ??



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??	Soyuz-2	Progress MS 21	
Aug??	H2B	Phobos sample return	
Sep30.	Soyuz-2-1A	Soyuz MS 19	
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	Soyuz MS 20	
??	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	Soyuz MS 21	
??	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)	
??	Sunkar Federatsia (unmaned flight to ISS)		



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?? 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](#) [Soyuz MS 22](#)

??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
June??	Atlas 5 402 / Falcon 9	USCV-11 (US Commercial Vehicles)

Sep30. [Soyuz-2-1A](#) [Soyuz MS 23](#)

Oct??	EELV	GOES-U
??	SLS Block IA II	Orion: Exploration Mission 4 (Crew to Cislunar)
??	Sunkar	Federatsia (Light 14t – 2 man to ISS)
??	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
??	Soyuz-2-1B/Fregat-M	Resurs PM - 4
??	Angara 1.2	Gonets x 2, Gonets M
??	Soyuz-2-1B/Fregat-M	Arktika M 4
??	??	Ямал GK VEO 1
??	Soyuz-2-1B/Fregat-M	Meteor MP No1
??	Soyuz-2-1A	Obzor P -1
??	Soyuz-2-1B/Fregat-M	Razdan - 3



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??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)

2025

??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)
??	Soyuz-2-1A	Soyuz MS 24
??	Soyuz-2	Progress MS 29
??	Soyuz-2-1B/Fregat-M	Resonans 2A, 2B, MKA-PN5
??	??	Ямал GK VEO 2
??	??	Ямал GK VEO 3
??	Angara 1.2	Gonets x 3
??	Soyuz-2-1B/Fregat-M	Arktika M 5
??	Soyuz-2-1B	Obzor O -2
??	Soyuz-2-1b	Bion-M No. 3
??	Angara A%/DM-03	Elektro M -1
??	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)
??	Angara A5P/DM03	Bumerang (FobosGrunt 2)