



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (05.02.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **05.Feb.2018.**

- Feb06. 1830UTC** [Falcon H](#) **Demo Flight**
Launch site: [Cape Canaveral](#), USA
- Feb11. 0858UTC** [Soyuz-2 1A](#) [Progress MS 8](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan
- Feb11. 1200UTC** [CZ-3B/YZ-1](#) [Beidou 3 MEO M3](#), [Beidou 3 MEO M4](#)
Launch site: [Xichang](#), China
- Feb17.** [Falcon 9 FT](#) [PAZ](#)
Launch site: [Vandenberg](#), USA
- Feb20.** **CZ** **Taurus-1**
Launch site: [Taiyuan](#), China
- Feb25. 0400UTC** [H-2A](#) [IGS Optical-6](#)
Launch site: [Tanegashima](#), Japan
- Feb28.1528UTC** **Pegasus-XL** **ICON ([Helio EX-1](#))**
Launch site: [Kwajalein Atoll](#), USA
- Feb28.** [Soyuz-2-1V](#) **Kosmos [EMKA](#)**
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia
- Feb?? [Falcon 9](#) [Hispasat 30W-6 \(1F\)](#)
Launch site: [Cape Canaveral](#), USA
- Feb?? [CZ-2D](#) LKW-4 (LudiKancha Weixing 4)
Feb?? [GSLV](#) Mk II F8 GSAT 6A
- Mar01. 1644UTC** [Soyuz ST B/Fregat-MT \(VS18\)](#) **O3b**
Launch site: [Kourou](#), French Guiana
- Mar01. 2202UTC** [Atlas 5 \(541\)](#) **GOES-S**
Launch site: [Cape Canaveral](#), USA
- Mar15.**[CZ-3B/G2](#) **APStar-6C**
Launch site: [Xichang](#), China 160
- Mar16. 2144UTC** [Ariane 5 ECA \(VA242\)](#) **Hylas 4, DSN 1 (Superbird-8)**
Launch site: [Kourou](#), French Guiana
- Mar18.**[Falcon 9 FT](#) [Iridium Next Flight 5 \(x10\)](#)
Launch site: [Vandenberg](#), USA
- ??Mar20.** [Falcon 9](#) **TESS**
Launch site: [Cape Canaveral](#), USA



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Mar21. 1744UTC [Soyuz-2 1A](#) [Soyuz MS 8 \(S55/56\)](#)

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

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

Mar26. [Falcon 9 FT](#) [Bangabandhu-1](#)

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

Mar?? [CZ-3B/YZ-1](#)

[Beidou 3](#) MEO M5, [Beidou 3](#) MEO M6

Launch site: [Xichang](#), China

Mar?? [CZ-2C](#)

[Pakistani Remote Sensing Satellite \(PRSS\) 1](#)

Launch site: [Taiyuan](#), China

Mar?? LS-1

LandSpace-1 (China)

Mar?? [Soyuz-2](#) 1B /[Fregat](#)-M

Glonass K1 / 16

?? [Epsilon](#) ??

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

?? KZ-1A

??

?? KZ-1A

??

?? KZ-1A

??

?? KZ-1A

??

?? [PSLV](#) XL (C41)

IRNSS I

Apr03. [Falcon 9 FT](#)

[Dragon](#) SpX-14

Apr04. [Proton-M/Briz-M](#) [Blagovest 12](#)

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

Apr12. [Atlas 5](#) 551 (AV81) [AFSPC-11](#)

Apr14. [Falcon 9](#) [Iridium Next](#) Flight 6 (x5), [GRACE FO_1](#), [FO_2](#)

Launch site: [Vandenberg](#), USA

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Apr19. [Ariane 5 ECA](#) (VA243) [GSAT-11](#), [Azerspace 2 \(Intelsat 38\)](#)

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

Apr?? [GSLV](#) Mk II D9

Chandrayaan 2

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

Apr?? [H-2A](#)

GOSAT-2

Apr?? [CZ-4B](#)

GF-5 Gaofen-5

Apr?? [Soyuz-2-1B/Fregat](#)

Glonass K2

Apr?? [Falcon 9 FT](#)

SES-12

Apr?? [Rokot / Briz KM](#)

Sentinel 3B

?? [Falcon 9](#)

Telstar 18

?? [Falcon 9](#)

Telstar 19

May01. [Antares](#) 230

[Cygnum](#) Orb-9E

May05. [Atlas 5](#) 401

InSight

Launch site: [Vandenberg](#), USA



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May??	Falcon 9	GPS III-1	
May??	Soyuz-2-1B/ Fregat -M	Glonass M	
??	Falcon 9 FT	Iridium Next Flight 7 (x10)	
??	CZ-3B/YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8	
??	CZ-3B/E	SupremeSAT-II	
??	Falcon 9	Spaceflight SSO-A	
??	Falcon 9 FT	Telkom 4	
??	Proton-M/ DM 3	Kosmos (Repei??)	
June06.	Soyuz-2 1A	Soyuz MS 9 (S56/57)	
CDR:	Сергей Валерьевич Прокопьев (Sergei Valerevich Prokopyev), Serena Auñón-Chancellor , Alexander Gerst		
June09.	Falcon 9 FT	Dragon SpX-15	120
June30.	Falcon 9	SAOCAM-1A, ITASAT-1	
June??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M	
Launch site:	Плесецк (Plesetsk) Cosmodrome, Russia		
June??	Rokot / Briz KM Geo IK 2		
Launch site:	Плесецк (Plesetsk) Cosmodrome, Russia		
June??	CZ-3B/G2	L2 Chang'e 4 communications relay satellite	
June??	??	Tianzhi-1	
June??	CZ-7	New generation manned spacecraft	
June??	Soyuz-2 1B / Fregat -M	Glonass K1	
June??	GSLV MK III D2	GSAT-29	
??	Vega	TARANIS	
??	Vega	Prisma	
??	KZ-11	Xiaoxiang-4	
??	Falcon 9 FT	Es'hail 2	
??	Falcon H heavy	STP-02	
July10.	Soyuz-2 1A	Progress MS 9	
July31.	Delta 4-H	Parker Solar Probe	
July??	PSLV	Cartosat-3	
July??	Ariane 5 ES	Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC FM21	
(Anna),	Galileo-FOC FM22 (Ellen)		
July??	Soyuz-2-1B/ Fregat -M	Glonass-M	
July??	Soyuz-2 1A	Bars-M 3	
??	Falcon H	Arabsat 6A	100
??	Falcon 9	PSN VI	
??	CZ-3B/YZ-1	Beidou 3 MEO M9, Beidou 3 MEO M10	
??	Ariane 5 ECA	GEO-KOMPSAT-2A	
??	Falcon 9	Iridium Next Flight 8 (x10)	
Aug16.	H-2B (F7)	HTV7	
Aug19.	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
Aug27.	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	



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Aug27. [Falcon 9](#) (SPx-DM1) [Dragon v2](#) unmanned test

Aug??	CZ-3C	Beidou 2 I7
Aug??	CZ-2C	CFOSAT (China-France Oceanography SATellite)
Aug??	CZ-11	OKW-2
Aug??	Soyuz-2 1B / Fregat -M	Glonass M
Aug??	Soyuz-2 1A	Energiya-100
Aug??	Proton-M / DM-03	Glonass-M

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

Sep14. [Soyuz-2 1A](#) [Soyuz MS 10](#) (S57/58)

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

Sep26. [Delta 4-H](#) [NROL-71](#)

Sep??	CZ-3B /YZ-1	Beidou 3 MEO M15, Beidou 3 MEO M16
Sep??	Proton-M / DM-03	Glonass K
Sep??	Soyuz-2 -1B	Arktika 80
Sep??	Vega (VV12)	Aeolus / ADM

??	Ariane 5 ECA	EDRS-C (Hylas 3)
??	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](#)

Oct18. [Atlas 5](#) (531) (AV073) [AEHF-4](#)

Oct22. [Proton-M/Briz-M](#) [Elektro L - 3](#)

Oct??	CZ-3C	Beidou 3 G1Q
Oct??	Soyuz-2 1B / Fregat -M	Glonass M
Oct??	Soyuz-2 -1B/ Fregat -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4

??	Ariane 5 ECA	Intelsat 39
??	Ariane 5	Horizon 3e

Nov01. [Delta IV-M](#) (5,4) [WGS 10](#)

Nov08. [Antares 230](#) [Cygnus Orb-10E](#)

Nov15. [Soyuz-2 1A](#) [Soyuz MS 11](#) (S58/59)

CDR: Олэг Дмїтриевич **Кононенко** (Oleg Dmitrievich **Kononenko**), **Anne McClain** (NASA), David **Saint-Jaques**

Nov16. [Falcon 9](#) FT [Dragon](#) SpX-16

Nov??	Atlas 5 422 (AV082)	CST-100 Starliner
CDR:	Douglas Hurley , Robert Behnken	60



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Nov?? [Soyuz-2 1B /Fregat](#)-M Resurs №4
 Nov?? [Soyuz-2-1B/Fregat](#)-M Kondor-FKA n.º 1
 Nov?? [Proton-M/Briz-M](#) Ekspres AMU 3 / Ekspres AMU 7
 Nov?? [Soyuz-2 1A / Fregat](#) Kanopus V 5, Kanopus V 6

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

?? Minotaur 1 NROL 111
 ?? [Falcon 9](#) Spaceflight GTO.C
 ?? [CZ-2D](#) GF-7 Gaofen-7
 ?? [CZ-3B/E](#) Apstar-6D

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?? ?? Korean Pathfinder Lunar Orbiter
 Dec?? [Soyuz ST B/Fregat](#)-MT CHEOPS (Characterising ExOPlanet Satellite)
 Dec?? [Soyuz ST B/Fregat](#)-M MetOp-C
 Dec?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV
 Dec?? [Proton-M/Briz-M](#) Ямал-601
 Dec?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x10)
 Dec?? [Soyuz-2-1B/ Fregat](#)-M Glonass K
 Dec?? [Soyuz-2-1B/ Fregat](#)-M Glonass K2 40

?? [Ariane 5](#) Heinrich Hertz

?? Minotaur-4 FORMOSAT-7 (6 sat)
 ?? [Atlas 5](#) AEHF 5

?? [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 CBERS-SAR 1
 ?? CZ Deep Space Solar Observatory
 ?? CZ CBERS-4B
 ?? CZ-2 CAS-2A1, CAS-2A2

?? [CZ-3B/E](#) CongoSat 1

?? ?? 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 20



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??	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	
??	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
??	GSLV MK II	F12	GSAT-7A
??	GSLV MK II	F10	GISAT
??	PSLV		EnMap
??	Simorgh	Dosti	
Launch site: Semnan , Iran			
??	Safir 1 B	Tadbir	
??	Safir 3A	Pars sepher	
??	Unha-3		Kwangmyŏngsŏng-5
??	Tronador II/VEX5	TBD	(suborbital)
Launch site: Puerto Belgrano, Argentina			

2 + 27
16 + 174

2019.

??	Falcon 9		GiSat-1
??	Falcon 9 (SPx-DM2)		Dragon v2
CDR: Eric Boe, Sunita Williams			
Feb01.	Falcon 9		Dragon SpX-17
Feb06.	Soyuz-2		Progress MS 11 100
Feb??	CZ-3C		Beidou 3 I1Q
Feb??	Atlas 5		Solar Orbiter (SolO) (ESA)
Feb??	Atlas 5 551 (AV-086)		AEHF-6
Feb??	Delta IV		GPS IIIA-2
??	Soyuz-2-1B	Arktika M 1	



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Launch site: Восточный (Vostochniy), Cosmodrome, Russia

Mar07. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олѐг Ива́нович **Скрі́почка**, (Oleg Ivanovich **Skripotscka**), Андрѐй Никола́евич **Ба́бкин** (Andrei Nikolaevich **Babkin**), Shannon **Walker**

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

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

?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13

?? [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.

Apr?? ?? GOES-T

Apr?? [CZ-3B/E](#) Nicasat 1

Apr?? [CZ-3C](#) Beidou 3 I2Q

Apr?? [Atlas 5](#) 531 [Cygnus](#) OA-11

Apr?? [Falcon 9](#) Dragon v2 (USCV-1) with 2 astronauts

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)

May?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2) with 2 astronauts

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

May?? [Falcon 9](#) FT [Dragon](#) SpX-18 80

June?? [Atlas 5](#) 551 STP-03

June?? [Ariane 5](#) ES JWST (James Webb Space Telescope)

June?? Soyuz 2-1A [Soyuz MS 13 \(S60/61\)](#)

CDR: Скворцов, Пармитано, Andrew **Morgan**,

?? [PSLV](#) RISAT 1A

?? [CZ-3B/G2](#) TECSTAR 1

?? [Vega](#) Cosmo-SkyMed Secon Gen 1 CSG-1

?? SSLV ??

July?? [CZ-3C](#) Beidou 3 I3Q

July?? H-2B (F9) HTV8

?? [Ariane 5](#) Inmarsat-5 F5

?? [Falcon 9](#) GPS IIIA-3

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

Sep?? Soyuz 2-1A [Soyuz MS 14 \(S61/62\)](#)

CDR: Борисенко, Чуб, Christina **Koch**,

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?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1

Oct?? [Falcon 9](#) FT [Dragon](#) SpX-19



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Nov14.	Soyuz-2 1B	Progress M-UM	
Nov29.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)	60
Nov??	Falcon 9	USCV-3 (US Commercial Vehicles)	
	CDR: ??(NASA), ??(NASA), ??(RF)		
Nov??	Soyuz-2	Progress MS 13	
??	Soyuz-2-1B/Fregat-M	Glonass K2 / 14	
??	Proton-M/Briz-M	Blagovest 14	
??	Falcon 9	GPS IIIA-4	
??	Vega	Seosat (Ingenio)	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
Dec??	Proton-M/Briz-M	Ekspress 80, Ekspress 103	
??	Falcon H	Circumlunar Dragon V2	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Falcon 9	Astrium active SARah satellite	
??	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	40
??	Ariane 5	ViaSat-3	
??	Ariane 5	JCSat 17	
??	Proton-M/Briz-M	SkyTerra 2	
??	Proton-M/Briz-M	Luch 5M	
??	Proton-M/Briz-M	Yenisey A1	
??	Proton-M/ DM-03	Glonass-M/	56,57,58
??	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	
??	Angara A5/ Briz-M	Kosmos	
??	Angara 1.2	Kosmos	



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??	Proton-M/Briz-M	Kosmos	
??	Proton-M/Briz-M	Blagovest 13	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	EgyptSat 3	20
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M	PTK NP	
??	Soyuz-2-1B/Fregat M	Meridian 18L	
??	Soyuz-2-1B	Obzor R -1	
??	Soyuz-2-1B	Pion	
??	Soyuz ST	CSO 1	
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)	
??	Zenit 3 SL /Fregat-SB	Lybid'	
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan			
??	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	
??	??	Hainan-1 (1)	
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	
??	GSLV MK II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	PSLV XL	Aditya'	
??	PSLV	ScatSat, NovaSAR	

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2020.

Jan??	Falcon 9	Dragon SpX-20
Feb??	H-2B (F10)	HTV9
Feb??	Falcon 9 FT	Dragon SpX-21
Mar30.	Soyuz 2-1A	Soyuz MS 15 (S62/63)
CDR: Рыжиков, Meir (NASA), 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



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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)
Apr??	Soyuz-2	Progress MS 14
??	CZ-5B	Wentian Lab module Space station module
??	CZ-2F/G	SZ-12 Shenzhou-12
May??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
May??	Soyuz-2	Progress MS 15
??	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 16 (S63/64)
Sep??	CZ	CBERS-6
Sep??	Soyuz-2-1B/Fregat-M	Glonass K2 / 15
??	CZ-2F/G	SZ-13 Shenzhou-13
??	Falcon 9	GPS IIIA-5
Oct??	Vega	Proba 3
Nov??	Atlas 5 402 / Falcon 9	USCV-5 (US Commercial Vehicles)
Nov??	Soyuz-2	Progress MS 16
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).



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??	??	SWOT
??	??	PACE
??	??	EX-4
??	??	ACE
??	??	HyspIRI
??	Antares	IMAP/STP-05
??	Falcon 9 FT	Dragon SpX-22
??	Antares 230	Cygnus OA-12
??	Falcon H	ViaSat 3
??	Falcon 9	KPLO (Korea Pathfinder Lunar Orbiter)
??	Proton-M	HƏM-1
??	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	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
??	??	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	
??	??	Hainan-1 (4)
??	??	Hainan-1 (5)



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??	??	Hainan-1 (6)
??	??	Sanya-1 (1)
??	??	Sanya-1 (2)
??	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](#) 17

Apr?? [Soyuz ST](#) B/[Fregat](#) M MarcoPolo-R

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-6 (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](#) 18

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)

Nov?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-7 (US Commercial Vehicles)

?? [Ariane 5](#) MTG-I1

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

?? SLS Block I Europa Clipper

?? [Falcon 9](#) GPS IIIA-6
?? [Falcon 9](#) GPS IIIA-7
?? [Falcon 9](#) GPS IIIA-8

?? [Soyuz-2](#) [Progress MS](#) 19
?? [Soyuz-2](#)-1B/[Fregat](#)-M Transformable Modul TM

?? [Soyuz-2](#) 1a / [Fregat](#) [Luna 26](#) (Luna-Resurs OA)



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??	Soyuz-2-1B/Fregat-M	Resurs PM - 2
??	Soyuz-2-1B/Fregat-M	Meteor M No2-4
??	Angara 1.2	Gonets x 3
??	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
??	Proton-M/Briz-M	Elektro L - 4
??	Soyuz-2-1B/Fregat-M	Arktika M 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)
??	??	Sansha-1 (1)
??	??	Sansha-1 (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 19](#)

??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	CZ-5B	Xuntian Lab module Space station module
??	CZ-2F/G	SZ-15 Shenzhou-15

May?? [Atlas 5 402 / Falcon 9](#) USCV-8 (US Commercial Vehicles)

June04. **SLS Block I** **Orion: Exploration Mission 2 (Crew to Cislunar) Mission)**

June??	Ariane 5ECA	JUICE (JUperiter ICy moon Explorer)
June??	Ariane 5	MTG-I2

??	Sunkar ??	
??	Soyuz-2	Progress MS 21

Aug?? H2B Phobos sample return

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

Sep?? [Soyuz ST B/Fregat-MT](#) MetOp-SG B1

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



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??		Sunkar Federatsia (unmaned)	
??	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
??	Falcon 9	GPS IIIA-9/GPS IIIB-1	
??	Falcon 9	GPS IIIA-10/GPS IIIB-2	
??	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	
??	Proton-M/Briz-M	Eutelsat	
??	Proton-M/Briz-M	Intelsat	
??	Soyuz-2-1B/Fregat-M	Smotr R №2	
??	Soyuz-2-	Razdan 2	
??	Proton-M/Briz-M	Elektro L - 5	
??	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 21](#)

?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
 ?? CZ-2F/G SZ-16 Shenzhou-16

May?? [Atlas 5 402](#) / [Falcon 9](#) USCVC-10 (US Commercial Vehicles)

?? [Soyuz-2](#) [Progress MS 24](#)

Sep30. [Soyuz-2-1A](#) [Soyuz MS 22](#)

?? [Soyuz-2](#) [Progress MS 25](#)

Nov?? [Atlas 5 402](#) / [Falcon 9](#) USCVC-11 (US Commercial Vehicles)

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

?? Sunkar Federatsia (unmaned flight 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



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??	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
??	Soyuz-2-1B/Fregat-M	Meteor M No2-5
??	Soyuz-2-1B/Fregat-M	Arktika M 3
??	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 23
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
May??	Atlas 5 402 / Falcon 9	USCV-12 (US Commercial Vehicles)
Sep30.	Soyuz-2-1A	Soyuz MS 24
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-2-1A	Obzor P -1
??	Soyuz-2-1B/Fregat-M	Razdan - 3
??	Soyuz-2-1B/Fregat-M	Meteor M No2-6
??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission



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?? Lapan Pengorbitan-1 (RPS-01) (Indonesia)

2025

?? SLS Block IA II Orion: Exploration Mission 5 (Crew to Cislunar)

?? [Soyuz-2-1A](#) [Soyuz MS](#) 25

?? [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

?? 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)

?? [Angara](#) A5P/DM03 Bumerang (FobosGrunt 2)

2069.

?? ?? [Interstellar mission](#)