



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (2.4.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 02.Apr.2018.

Apr02. 2030UTC [Falcon 9](#) [Dragon SpX-14](#)

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

Apr05. 2134UTC [Ariane 5 ECA \(VA242\)](#) [Hylas 4, DSN 1 \(Superbird-8\)](#)

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

Apr05. 2200UTC [Electron](#) [Outerspace 1, Lemur](#)

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

Apr12. 2200UTC [Atlas 5 551 \(AV-079\)](#) [AFSPC-11](#)

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

Apr12. 0730UTC [PSLV XL \(C41\)](#) [IRNSS I](#)

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

Apr16. 2232UTC [Falcon 9](#) [TESS](#)

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

Apr19. [Proton-M/Briz-M](#) [Blagovest 12](#)

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 140

Apr21. [CZ-3B/G2](#) [APStar-6C](#)

Launch site: [Xichang](#), China

Apr24. [Falcon 9](#) [Bangabandhu-1](#)

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

Apr25. 1757UTC [Rokot / Briz KM](#) [Sentinel 3B](#)

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

Apr?? [CZ-11](#) Zhuhai-1

Launch site: [Jiuquan](#), China

May02. [CZ-4B](#) [GF-5 Gaofen-5](#)

Launch site: [Taiyuan](#), China

May05. 1105UTC [Atlas 5 401 AV-078](#) [InSight](#)

Launch site: [Vandenberg](#), USA

May09. [Antares 230](#) [Cygnum Orb-9E](#)

Launch site: [Wallops Island](#), USA

May10. [Falcon 9](#) [Iridium Next Flight 6 \(x5\), GRACE FO_1, FO_2](#)

Launch site: [Vandenberg](#), USA

May18. [Ariane 5 ECA \(VA243\)](#) [GSAT-11, Azerspace 2 \(Intelsat 38\)](#)

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



Blog Gorana Hudeca

May30.	Vega	Prisma	
May??	Falcon 9	SES-12	
Launch site:	Cape Canaveral , USA		
May??	Soyuz-2-1B/ Fregat -M	Glonass M 59	
May??	CZ-3B/G2	L2 Chang'e 4 communications relay satellite	
??	CZ-3B/YZ-1	Beidou 3 MEO M7, Beidou 3 MEO M8	
??	CZ-3B/E	SupremeSAT-II	
??	KZ-1A	Jilin 1-09	
??	KZ-1A	Jilin 1-10	
??	KZ-1A	Jilin 1-11	
??	KZ-1A	Jilin 1-12	
June06.	Soyuz-2 1A	Soyuz MS 9 (S56/57)	
CDR:	Сергей Валерьевич Прокопьев (Sergei Valerevich Prokopyev), Serena Auñón-Chancellor, Alexander Gerst	120	
June09.	Falcon 9	Dragon SpX-15	
June12.	CZ-2D	GF-6 Gaofen-6, LJ-1 Luojia-1	
June13.	Falcon Heavy	STP-02	
June13. 1428UTC	Pegasus-XL	ICON (Helio EX-1)	
Launch site:	Kwajalein Atoll , USA		
June??	Rokot / Briz KMGeo IK 2	13L	
Launch site:	Плесецк (Plesetsk) Cosmodrome, Russia		
June??	CZ-2C	Pakistani Remote Sensing Satellite (PRSS) 1	
Launch site:	Taiyuan , China		
June??	CZ??	Tianzhi-1	
June??	Falcon 9	Iridium Next Flight 7 (x10)	
June??	GSLV MK III D2	GSAT-29	
??	Vega	TARANIS	
??	KZ-11	Xiaoxiang-4	
??	Falcon 9	Telstar 19	
??	Falcon 9	Telstar 18	
??	Angara A5/ Briz-M	Kosmos	
??	Falcon 9	Telkom 4	
July05.	Falcon 9	Spaceflight SSO-A	
July10.	Soyuz-2 1A	Progress MS 9	
July31.	Delta 4-H	Parker Solar Probe	
July??	Ariane 5 ES (VA244)	Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC	
FM21 (Anna), Galileo-FOC FM22 (Ellen)			
July??	Soyuz-2 1A	Bars-M 3	100
July??	Falcon 9	Iridium Next Flight 8 (x10)	



Blog Gorana Hudeca

??	Falcon 9	PSN VI	
??	CZ-3B/YZ-1	Beidou 3 MEO M9, Beidou 3 MEO M10	
??	Ariane 5 ECA	GEO-KOMPSAT-2A	
??	H-2A	IGS Radar-6	
Aug16.	H-2B (F7)	HTV7	
Aug27.	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	
Aug27.	Falcon 9 (SPx-DM1)	Dragon v2 unmanned test	
Aug??	CZ-3C	Beidou 2 I7	
Aug??	CZ-11	OKW-2	
Aug??	Falcon 9	SAOCAM-1A, ITASAT-1	
Sep12. 1246UTC	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??	Proton-M/ DM-03	Glonass K	
Sep??	Falcon 9	GPS III-1	
Sep??	CZ-2C	CFOSAT (China-France Oceanography SATellite)	
??	Ariane 5 ECA	Intelsat 7C	
??	Falcon 9	Radarsat C-1, -2, C-3	
??	Falcon 9	OHB SARah satellite (x2)	80
??	Ariane 5 ECA	Hellas-Sat-4	
??	Proton-M/Briz-M	EutelSat 5 West B / MEV	
??	H-2A	GOSAT-2	
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??	Rokot / Briz KM	Gonets x 3 (No 24,25,26), Blits-M	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
Oct??	GSLV Mk II D9	Chandrayaan 2	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
Oct??	CZ-3C	Beidou 3 G1Q	
Oct??	Soyuz-2-1B/Fregat-M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	Oct?? Antares
230	Cygnus Orb-10E		
Oct??	Soyuz-2-1B/Fregat-M	Glonass-M 60	
??	Ariane 5	Horizon 3e	
??	Falcon H	Arabsat 6A	
Nov15.	Soyuz-2 1A	Soyuz MS 11 (S58/59)	



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CDR: Олѐг Дмїтриевич Кононѐнко (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

Nov?? [Soyuz-2](#) 1A / Fregat Kanopus V 5, Kanopus V 6

Nov?? [Delta IV](#)-M (5,4) WGS 10 60

Nov?? [CZ-5](#) Y3 SJ-18 02 (DFH-5 platform)

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

?? [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?? ?? 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](#) Ямал-601

Dec?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x10)

Dec?? [Soyuz-2-1B/Fregat](#) M Meridian 18L

Dec?? [Soyuz-2-1B/Fregat](#)-M Glonass K 15

?? [Zenit 3 SL](#) /[Fregat](#)-SB Lybid'

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

?? [Falcon 9](#) Es'hail 2

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra 3

?? [Soyuz-2](#) 1B /[Fregat](#)-M Tundra 4 40

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

?? [Vega](#) (VV12) Aeolus / ADM

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

?? [CZ-3B/YZ-1](#) Beidou 3 MEO M17, Beidou 3 MEO M18

?? ?? Taurus-1



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Launch site: [Taiyuan](#), China

??	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	Deep Space Solar Observatory	
??	CZ-2	CAS-2A1, CAS-2A2	
??	CZ-3B/E	CongoSat 1	
??	??	Small Military Meteorological Satellite (x6)	20
??	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	
??	CZ	Huaizong-1	
??	LS-1	LandSpace-1 (China)	
??	CZ-3B /YZ-1	ZX-6C Zhongxing-6C	
??	CZ-3A	FY-2H Fengyun-2H	
??	CZ-2D	SaudiSAT 5B	
??	CZ	YG-32 Yaogan Weixing 32	

?? [GSLV](#) MK II F12 GSAT-7A

?? [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

6 + 23
 31 + 146

2019.



Blog Gorana Hudeca

??	Falcon 9 (SPx-DM2)	Dragon v2	
CDR:	Eric Boe , Sunita Williams		
??	Falcon 9	SAOCAM-1B, SAOCAM-1C	120
Feb01.	Falcon 9	Dragon SpX-17	
Feb06.	Soyuz-2	Progress MS 11	
Feb??	CZ-3C	Beidou 3 I1Q	
Feb??	Atlas 5 551 (AV-086)	AEHF-6	
??	Soyuz-2-1B	Arktika M 1	
Launch site: Восточный (Vostochniy), Cosmodrome, Russia			
Mar07.	Soyuz-2 1A	Soyuz MS 12 (S59/60)	
CDR: Олѐг Ива́нович Скри́почка , (Oleg Ivanovich Skripotscka), Андрѐй Николаѐвич Ба́бкин (Andrei Nikolaevich Babkin), Shannon Walker			
Mar??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B	
Mar??	Falcon 9	GPS IIIA-2	
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)	
??	Soyuz-2-1B / Fregat	Glonass K2 / 13	
??	Ariane 5 ECA	EDRS-C (Hylas 3)	
??	Soyuz-2-1B	EgyptSat A	
??	Soyuz ST B/ Fregat -MT	Cosmo-SkyMed Secon Gen 1	CSG-1
??	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	
Apr??	Soyuz-2	Progress MS 12	100
May??	Soyuz 2-1A	Soyuz MS 13 (S60/61)	
CDR: Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA)			
May??	Atlas 5 402	CST 100 Starliner (USCV-2) with 2 astronauts	
May??	Falcon 9 FT	Dragon SpX-18	
May??	CZ	CBERS-4A	
June??	Atlas 5 551	STP-03	
June??	CZ-5 B	Test flight	
??	PSLV	RISAT 1A	
??	CZ-3B/G2	TECSTAR 1	
??	SSLV	??	
??	Soyuz ST B/ Fregat -MT	O3b (FM17-20)	
??	GSLV MK II F10	GISAT	
??	PSLV	Cartosat-3	



Blog Gorana Hudeca

July??	CZ-3C	Beidou 3 I3Q	
July??	H-2B (F9)	HTV8	
??	Ariane 5	Inmarsat-5 F5	
Aug??	Soyuz ST B/ Fregat -MT	EarthCare	
Aug??	Soyuz-2	Progress MS 13	80
??	Delta IV	GPS IIIA-3	
Sep??	Soyuz 2-1A	Soyuz MS 14 (S61/62)	
CDR: Борисенко (Andrei Borisenko), Чуб ,(Nikolai Chub), 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	
Nov14.	Soyuz-2 1B	Progress M-UM	
Nov29.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)	
Nov??	Falcon 9	USCV-3 (US Commercial Vehicles)	
CDR: ??(NASA), ??(NASA), ??(RF)			
??	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	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Falcon 9	Astrium active SARah satellite	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	60
??	Falcon 9	GiSat-1	
??	Vega	Jason-CS A	
??	Vega	OpSis	
??	Vega	VNREDSat	
??	Vega	LOTUSat	
??	Ariane 5 ECA	Eutelsat Quantum	
??	Ariane 5 ECA	African Broadband Satellite	
??	Ariane 5 ECA	Intelsat 39	
??	Soyuz ST / Vega	MicroCarb	
??	Soyuz ST B/ Fregat -MT	Sentinel-1C	
??	Ariane 5	ViaSat-3	
??	Ariane 5	JCSat 17	
??	Proton-M / Briz-M	SkyTerra 2	



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??	Proton-M/Briz-M	Luch 5M	
??	Proton-M/Briz-M	Yenisey A1	
??	Soyuz-2 1B /Fregat-M	Glonass M 61	
??	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	
??	Soyuz-2 1B /Fregat-M	Glonass K1 / 16	40
??	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 1.2	Kosmos	
??	Proton-M/Briz-M	Kosmos	
??	Proton-M/Briz-M	Blagovest 13	
??	Proton-M/Briz-M	Ямал-GK-1	
??	Proton-M/Briz-M	Anik G2V	
??	Proton-M	PTK NP	
??	Soyuz-2-1B	Obzor R -1	
??	Soyuz-2 1A	Energiya-100	
??	Soyuz-2-1B	Pion	
??	Soyuz-2-1B/ Fregat-M	Glonass K2	
??	Soyuz-2-1B/Fregat	Glonass K2	
??	Proton-M/ DM 3	Kosmos (Repei??)	
??	Proton-M/ DM-03	Glonass-M	
??	Soyuz-2-1B	Arktika	20
??	Soyuz-2 1B /Fregat-M	Resurs №4	
??	Soyuz-2-1B/Fregat-M	Kondor-FKA n.º 1	
??	Proton-M/Briz-M	Ekspress AMU 3 / Ekspress AMU 7	
??	Soyuz ST	CSO 1	
??	Soyuz ST B/Fregat-MT	OneWeb smalsat (x32)	
??	CZ-5	Chang'e-5 (Sample return)	
??	CZ-7	New generation manned spacecraft	
??	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	
??	CZ	CBERS-SAR 1	
??	??	Hainan-1 (1)	
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	



Blog Gorana Hudeca

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

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

?? [PSLV](#) ScatSat, NovaSAR

121

2020.

Jan?? [Falcon 9](#) [Dragon](#) SpX-20

Feb05. [Atlas 5](#) [Solar Orbiter \(Solo\)](#) (ESA)

Feb?? H-2B (F10)

HTV9

Feb?? [Falcon 9](#) FT

[Dragon](#) SpX-21

Feb?? [Soyuz-2](#)

[Progress MS](#) 14

Mar30. [Soyuz 2-1A](#) [Soyuz MS 15 \(S62/63\)](#)

CDR: **Рыжиков** (Sergei Ryshikov), Jessica **Meir** (NASA), Soichi **Noguchi** (JAXA)

Mar?? [Delta IV](#)-M

DMSP-5D3 F20

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

Glonass K1 / 22

Mar?? [Atlas 5](#) 551

AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))

satellite))

?? [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)

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

?? CZ-2F/G SZ-12 Shenzhou-12

May?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

May?? [Soyuz-2](#) [Progress MS](#) 15

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

?? [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

June?? [Atlas 5](#) 551 AFSPC-8 (GSSAP 5, GSSAP 6)

July16 [Ariane 62](#) [Galileo-FOC FM23](#), [Galileo-FOC FM24](#)

July17. [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,



Blog Gorana Hudeca

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.

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?? [CZ-3C](#) Beidou 3 G2Q
 July?? [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).

?? ?? SWOT
 ?? ?? PACE
 ?? ?? EX-4
 ?? ?? ACE
 ?? ?? HypsIRI
 ?? 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](#) HЭM-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



Blog Gorana Hudeca

??	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
??	CZ-5	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)
??	??	Hainan-1 (6)
??	??	Sanya-1 (1)
??	??	Sanya-1 (2)
??	GSLV MK III	MOM-2 Follow on Mars Mission
??	PSLV	EnMap
??	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](#)

Cdr: xx, Akihiko Hoshide, xx

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

?? [CZ-5 B](#) Wentian Lab module Space station module



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May?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-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/EP-SG-a/Sentinel-5A

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

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

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

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

?? [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)

?? [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.



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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-5 B	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 Cis lunar Mission)
June??	Ariane 5 ECA	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)
??	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



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?? 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](#) USCV-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](#) USCV-11 (US Commercial Vehicles)

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

?? Sunkar Federatsia (unmanned 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](#) Ekspres – 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

?? [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



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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	
??	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	
??	SLS Block I	Europa Clipper	
??	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)	



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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)
??	Angara A5/DM03	Bumerang (FobosGrunt 2)

2069.

??	??	Interstellar mission
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