



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (05.03.2018.)

2018.

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

Mar06. 0533UTC Falcon 9 Hispasat 30W-6 (1F)

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

Mar06. 1638UTC Soyuz ST B/Fregat-MT (VS18) O3b

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

Mar12. CZ-3B/YZ-1 Beidou 3 MEO M5, Beidou 3 MEO M6

Launch site: [Xichang](#), China

Mar15. CZ-3B/G2 APStar-6C

Launch site: [Xichang](#), China

Mar21. 1742UTC 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

Mar21. 2142UTC Ariane 5 ECA (VA242) Hylas 4, DSN 1 (Superbird-8)

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

Mar24. GSLV Mk II F8 GSAT 6A

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

Mar29. 1508UTC Falcon 9 Iridium Next Flight 5 (x10)

Launch site: [Vandenberg](#), USA

Mar29. Soyuz-2-1V Kosmos EMKA

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

Mar?? [CZ-2C](#) [Pakistani Remote Sensing Satellite \(PRSS\) 1](#)

Launch site: [Taiyuan](#), China

Mar?? [LS-1](#) LandSpace-1 (China)

?? [Epsilon](#) ??

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

?? KZ-1A ??
 ?? KZ-1A ?? 140
 ?? KZ-1A ??
 ?? KZ-1A ??
 ?? [CZ-2D](#) LKW-4 (LudiKancha Weixing 4)

Apr02. 2330UTC Falcon 9 Dragon SpX-14

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

Apr05. 1608UTC Falcon 9 Bangabandhu-1

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



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Apr12. 2200UTC Atlas 5 551 (AV-079) AFSPC-11
Launch site: [Cape Canaveral](#), USA

Apr16. 2332UTC Falcon 9 TESS
Launch site: [Cape Canaveral](#), USA

Apr22. Proton-M/Briz-M Blagovest 12
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Apr25. Rokot / Briz KM Sentinel 3B
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Apr28. Falcon 9 Iridium Next Flight 6 (x5), GRACE FO_1, FO_2
Launch site: [Vandenberg](#), USA

Apr30. Falcon 9 SES-12
Launch site: [Cape Canaveral](#), USA

Apr?? PSLV XL (C41) IRNSS I
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Apr?? H-2A GOSAT-2
Apr?? CZ-4B GF-5 Gaofen-5

May01. Antares 230 Cygnus Orb-9E

May05. 1105UTC Atlas 5 401 AV-078 InSight
Launch site: [Vandenberg](#), USA

May18. Ariane 5 ECA (VA243) GSAT-11, Azerspace 2 (Intelsat 38)
Launch site: [Kourou](#), French Guiana

May?? Soyuz-2-1B/ Fregat-M Glonass M 59
May?? GSLV MK III D2 GSAT-29

?? CZ-3B/YZ-1 Beidou 3 MEO M7, Beidou 3 MEO M8 120
?? CZ-3B/E SupremeSAT-II
?? Falcon 9 Telkom 4

June06. Soyuz-2 1A Soyuz MS 9 (S56/57)
CDR: Сергей Валерьевич Прокопьев (Sergei Valerevich Prokopyev), Serena Auñón-Chancellor, Alexander Gerst

June09. Falcon 9 Dragon SpX-15

June12. CZ-2D GF-6 Gaofen-6, LJ-1 Luojia-1

June30. Falcon 9 SAOCAM-1A, ITASAT-1

June?? Rokot / Briz KM Geo IK 2 13L
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

June?? CZ-3B/G2 L2 Chang'e 4 communications relay satellite
June?? ?? Tianzhi-1
June?? Falcon Heavy STP-02
June?? Falcon 9 Iridium Next Flight 7 (x10)



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??	Pegasus-XL	ICON (Helio EX-1)	
Launch site:	Kwajalein Atoll , USA		
??	Vega	TARANIS	
??	Vega	Prisma	
??	KZ-11	Xiaoxiang-4	
??	Falcon 9	Telstar 19	
??	Falcon 9	Telstar 18	
??	Angara A5/ Briz-M	Kosmos	
July05.	Falcon 9	Spaceflight SSO-A	
July10.	Soyuz-2 1A	Progress MS 9	100
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-2-1B/Fregat-M	Glonass-M 60	
July??	Soyuz-2 1A	Bars-M 3	
??	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)	
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	
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	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	
??	Proton-M/Briz-M	Eutelsat 5 West B / MEV	



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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	Glonass M 61
Oct??	Soyuz-2 -1B/ Fregat -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4
Oct??	Antares 230	Cygnus Orb-10E
??	Ariane 5	Horizon 3e
??	Falcon H	Arabsat 6A
Nov01.	Delta IV-M (5,4)	WGS 10
Nov15.	Soyuz-2 1A	Soyuz MS 11 (S58/59)
CDR: Олэг Дмíтриевич Кононёнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques 60		
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
??	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)
??	Zenit 3 SL /Fregat -SB	Lybid'
Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan		
??	Falcon 9	Es'hail 2



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??	Soyuz-2-1B/ Fregat -M	Glonass K 15	
??	Soyuz-2-1B/ Fregat	M	Meridian 18L
??	Soyuz-2	1B / Fregat -M	Tundra 3
??	Soyuz-2	1B / Fregat -M	Tundra 4
??	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	
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)
??	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
??	CZ-3B/YZ-1		ZX-6C Zhongxing-6C
??	CZ-3A		FY-2H Fengyun-2H
??	CZ-2D		SaudiSAT 5B
??	CZ		YG-32 Yaogan Weixing 32



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

?? [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

4 + 25

22 + 153

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](#)

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

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

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

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

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

?? [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



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Apr??	CZ-3C	Beidou 3 I2Q	
Apr??	Atlas 5 531	Cygnus OA-11	100
Apr??	Falcon 9	Dragon v2 (USCV-1) with 2 astronauts	
Apr??	Soyuz-2	Progress MS 12	
??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)	
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??	Ariane 5 ES	JWST (James Webb Space Telescope)	
June??	Soyuz 2-1A	Soyuz MS 13 (S60/61)	
CDR:	Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA)		
??	PSLV	RISAT 1A	
??	CZ-3B/G2	TECSTAR 1	
??	Vega	Cosmo-SkyMed Secon Gen 1	CSG-1
??	SSLV	??	
??	Soyuz ST B/Fregat-MT	O3b (FM17-20)	
??	GSLV MK II F10	GISAT	
??	PSLV	Cartosat-3	
July??	CZ-3C	Beidou 3 I3Q	
July??	H-2B (F9)	HTV8	
??	Ariane 5	Inmarsat-5 F5	
??	Falcon 9	GPS IIIA-3	80
Aug??	Soyuz ST B/Fregat-MT	EarthCare	
Aug??	Soyuz-2	Progress MS 13	
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 N°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	



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??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Falcon 9	Astrium active SARah satellite	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	60
??	??	EX-3	
??	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	
??	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	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 16	
??	Proton-M/Briz-M	Ямал-501	40
??	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	EgyptSat 3	
??	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	



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??	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)	
??	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
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
??	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	SZ-12 Shenzhou-12
		Space station module



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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).
??	??	SWOT
??	??	PACE
??	??	EX-4
??	??	ACE
??	??	HyspIRI
??	Antares	IMAP/STP-05



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??	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
??	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)
??	??	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)



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?? 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

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

?? [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



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?? [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)

?? 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



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??	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 (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	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
??	Soyuz-2-1B/Fregat-M	Meteor M No2-5
??	Soyuz-2-1B/Fregat-M	Arktika M 3
??	Vega	Sentinel-2A 2nd Gen



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?? 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

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

2025

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

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



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??	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)

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)

2069.

??	??	Interstellar mission
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