



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (19.02.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 19.Feb.2018.

Feb21. [Falcon 9 FT](#) [PAZ](#)
Launch site: [Vandenberg](#), USA

Feb25. 0400UTC [H-2A](#) [IGS Optical-6](#) 160
Launch site: [Tanegashima](#), Japan

Feb25. 0535UTC [Falcon 9](#) [Hispasat 30W-6 \(1F\)](#)
Launch site: [Cape Canaveral](#), USA

Feb28. [Soyuz-2-1V](#) [Kosmos EMKA](#)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Mar01. 2202UTC [Atlas 5 \(541\)](#) [AV-077](#) [GOES-S](#)
Launch site: [Cape Canaveral](#), USA

Mar06. 1638UTC [Soyuz ST B/Fregat-MT \(VS18\)](#) [O3b](#)
Launch site: [Kourou](#), French Guiana

Mar15. [CZ-3B/G2](#) [APStar-6C](#)
Launch site: [Xichang](#), China

Mar15. [GSLV Mk II F8](#) [GSAT 6A](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Mar16. 2144UTC [Ariane 5 ECA \(VA242\)](#) [Hylas 4](#), [DSN 1 \(Superbird-8\)](#)
Launch site: [Kourou](#), French Guiana

Mar20. [Falcon 9](#) [Iridium Next Flight 5 \(x10\)](#)
Launch site: [Vandenberg](#), USA

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

??Mar22. [PSLV XL \(C41\)](#) [IRNSS 1](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Mar30. [Falcon 9](#) [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)



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??	Epsilon	??	
Launch site:	Kaitorete Spit ,	New Zeland	
??	KZ-1A	??	
??	KZ-1A	??	
??	KZ-1A	??	
??	KZ-1A	??	140
??	CZ-2D	LKW-4	(LudiKancha Weixing 4)
Apr03.	Falcon 9	Dragon	SpX-14
Apr12.	Atlas 5 551 (AV-079)		AFSPC-11
Apr14.	Falcon 9	Iridium Next	Flight 6 (x5), GRACE FO_1, FO_2
Launch site:	Vandenberg ,	USA	
Apr16.	Falcon 9	TESS	
Launch site:	Cape Canaveral ,	USA	
Apr19.	Ariane 5 ECA (VA243)	GSAT-11 ,	Azerspace 2 (Intelsat 38)
Launch site:	Kourou ,	French Guiana	
Apr22.	Proton-M/Briz-M	Blagovest 12	
Launch site:	Байконур (Baikonur)	Cosmodrome,	Kazakhstan
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??	Falcon 9	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 AV-078	InSight	
Launch site:	Vandenberg ,	USA	
May??	Soyuz-2-1B/ Fregat -M	Glonass M	59
??	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	100
??	Falcon 9	Spaceflight SSO-A	
??	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 FT	Dragon	SpX-15
June12.	CZ-2D	GF-6 Gaofen-6 ,	LJ-1 Luojia-1



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June30. [Falcon 9](#) SAOCAM-1A, ITASAT-1

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

June?? [CZ-3B/G2](#) L2 Chang'e 4 communications relay satellite
 June?? ?? Tianzhi-1
 June?? [GSLV MK III](#) D2 GSAT-29
 June?? [Falcon Heavy](#) STP-02

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

?? [Vega](#) TARANIS
 ?? [Vega](#) Prisma
 ?? KZ-11 Xiaoxiang-4
 ?? [Falcon 9 FT](#) Es'hail 2

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) 80
 July?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M 60](#)
 July?? [Soyuz-2 1A](#) Bars-M 3

?? [Falcon H](#) Arabsat 6A
 ?? [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. [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](#)



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Sep??	Falcon 9	GPS III-1	60
??	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	
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??	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	
??	Ariane 5 ECA	Intelsat 39	
??	Ariane 5	Horizon 3e	
Nov01.	Delta IV-M (5,4)	WGS 10	
Nov08.	Antares 230	Cygnum Orb-10E	
Nov15.	Soyuz-2 1A	Soyuz MS 11 (S58/59)	
CDR: Олѐг Дмїтриевич Кононѐнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques			
Nov16.	Falcon 9 FT	Dragon SpX-16	40
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??	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)	



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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				
??	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	20
??	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	
??	??		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		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	20
??	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	



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?? 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

?? [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

3 + 26
 19 + 161

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-6 100
 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 **Скря́почка**, (Oleg Ivanovich **Skripotcka**), Андрей 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
 ?? [Ariane 5](#) ECA EDRS-C (Hylas 3)



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?? **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

?? 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

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,			80

??	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)

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	
Aug??	Soyuz-2	Progress MS 13	60

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 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	Glouass K2 / 14
??	Proton-M / Briz-M	Blagovest 14



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??	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	
??	Ariane 5	ViaSat-3	40
??	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	
??	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	
??	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	20
??	Proton-M	PTK NP	
??	Soyuz-2 -1B	Obzor R -1	
??	Soyuz-2 1A	Energiya-100	



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??	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
??	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
??	??	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, 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)
??	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).
??	??	SWOT



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??	??	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	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)



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??	??	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
??	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



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?? [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 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 (unmanned)

?? [Soyuz-2](#) [Progress MS 22](#)



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?? [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](#) Ekspres – AMU 5
 ?? [Proton-M/Briz-M](#) Ekspres – AMU 6
 ?? [Proton-M/Briz-M](#) Ekspres – RV 3, Ekspres – RV 4
 ?? [Angara](#) 1.2 [Gonets](#) x 3
 ?? [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](#) 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



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??	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

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



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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)

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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