



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (11.6.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 11.June.2018.

June12. 0420UTC [H-2A](#) [IGS Radar-6](#)

Launch site: [Tanegashima](#), Japan

June17. [Soyuz-2-1B/ Fregat-M](#) [Glonass-M 59](#)

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

June20. 0400UTC [CZ-3B/YZ-1](#) [Beidou 3 MEO M7](#), [Beidou 3 MEO M8](#)

Launch site: [Xichang](#), China

June23. 0300UTC [Electron](#) [Outerspace 1](#), [Lemur](#)

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

June29. 0941UTC [Falcon 9](#) [Dragon SpX-15](#)

Launch site: [Cape Canaveral](#), 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

?? KZ-11 Xiaoxiang-4

July09. 2151UTC [Soyuz-2 1A](#) [Progress MS 9](#)

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

July25. 1124UTC [Ariane 5 ES \(VA243\)](#) [Galileo-FOC FM19 \(Tara\)](#), [Galileo-FOC FM20 \(Samuel\)](#), [Galileo-FOC FM21 \(Anna\)](#), [Galileo-FOC FM22 \(Ellen\)](#)

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

??July31. 0815UTC [Delta 4-H](#) [Parker Solar Probe](#)

July?? [Soyuz-2 1A](#) Bars-M 3

July?? [Soyuz-2-1B/ Fregat-M](#) [Glonass-M 56](#)

July?? [CZ-3B/YZ-1](#) ZX-6C Zhongxing-6C

July?? [GSLV MK III D2](#) GSAT-29

July?? [Falcon 9](#) [Telstar 19](#)

July?? [Falcon 9](#) Telstar 18

July?? [Falcon 9](#) [Iridium Next](#) Flight 7 (x10)

July?? [CZ-3C](#) Beidou 2 I7

100

?? KZ-1A Jilin 1-09

?? KZ-1A Jilin 1-10

?? KZ-1A Jilin 1-11

?? KZ-1A Jilin 1-12

Aug21. 2120UTC [Vega \(VV12\)](#) [Aeolus / ADM](#)

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



Blog Gorana Hudeca

Aug?? [Ariane 5](#) ECA [Azerspace 2](#) (Intelsat 38)
Launch site: [Kourou](#), French Guiana

Aug?? [CZ-11](#) OKW-2
Aug?? [Falcon 9](#) Telkom 4
Aug?? [Falcon 9](#) Es'hail 2

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

?? [PSLV](#) C42 ??
?? [Rokot / Briz KM](#) Rodnik
?? [Falcon 9](#) [Iridium Next](#) Flight 8 (x10)
?? [Electron](#) ELaNu, ...
?? [CZ-3B/YZ-1](#) Beidou 3 MEO M9, Beidou 3 MEO M10

Sep12. 1246UTC Delta II 7320-10C ICESat-II

Sep19. 0047UTC [Soyuz ST B](#)/Fregat-M MetOp-C

Sep26. Delta 4-H NROL-71 KH11 17 (Cristal 17)
Sep30. [Falcon 9](#) Spaceflight SSO-A

Sep?? [CZ-2C](#) CFOSAT (China-France Oceanography SATellite)
Sep?? [Falcon 9](#) SAOCAM-1A, ITASAT-1 80
Sep?? [GSLV](#) MK II F12 GSAT-7A
Sep?? [CZ-11](#) CAS-6
Sep?? H-2B (F7) HTV7

?? [Ariane 5](#) ECA Eutelsat 7C
?? [Falcon 9](#) OHB SARah satellite (x2)
?? [Ariane 5](#) ECA Hellas-Sat-4
?? [Proton-M/Briz-M](#) EutelSat 5 West B / MEV
?? [Ariane 5](#) ECA GEO-KOMPSAT-2A (GK2A, Cheollian 2A)

Oct05. [Ariane 5](#) [BepiColombo](#) ESA and ISAS Mercury Orbiters
Launch site: [Kourou](#), French Guiana

Oct05. [Atlas 5](#) (531) (AV073) AEHF-4

Oct11. 0840UTC [Soyuz-2 1A](#) [Soyuz MS 10](#) (S57/58)
CDR: Алексей Николаевич Овчинин (Aleksei Nikolaevich Ovchinin), Tyler Hague
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Oct22. [Proton-M/Briz-M](#) Elektro L – 3
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Oct30. [Falcon Heavy](#) STP-02

Oct31. 0053 UTC [Soyuz-2 1A](#) [Progress MS 10](#)

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



Blog Gorana Hudeca

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

Oct??	Soyuz-2-1B/Fregat-M	Glonass-M 60	
Oct??	Falcon 9		GPS III-1
??	Falcon 9 (SPx-DM1)	Dragon v2 unmanned test	60
??	Ariane 5	Horizon 3e	
??	H-2A (F40)	GOSAT-2	
Nov07.	Falcon 9	Radarsat C-1, -2, C-3	
Nov18.	Falcon 9 FT	Dragon SpX-16	
Nov21.	Antares 230	Cygnum Orb-10E	
Nov27.	Atlas 5 N22 (AV80)	CST-100 Starliner (unmanned test)	

Nov?? [Vega](#) [Prisma](#)
Launch site: [Kourou](#), French Guiana

Nov??	CZ-5 Y3		SJ-18 02 (DFH-5 platform)
Nov??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x10)	
Nov??	Proton-M/Briz-M	Blagovest 13	
??	Epsilon (4)	Inovative Technology Demonstration Satellite – 1, OrigamiSat-1	
Launch site: Tanegashima , Japan			

??	Minotaur 1	NROL 111	
??	CZ-2D	GF-7 Gaofen-7	
??	CZ-3B/E	Apstar-6D	

Dec06. [Soyuz-2-1B/Fregat-M](#) **Meteor M-2-2, Ionosfera 3, Ionosfera 4**

Dec13. [Delta IV-M](#) (5,4) **WGS 10**

Dec20. 0452UTC [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)
CDR: Олэг Дмїтриевич Кононєнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques

Dec26. [Soyuz-2 1A / Fregat](#) **Kanopus V 5, Kanopus V 6**

Dec31. [Falcon 9](#) (SPx-DM2) **Dragon v2**
CDR: Eric Boe, Sunita Williams

Dec??	CZ-3B/GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)	
Dec??	Soyuz ST B/ Fregat -MT	CHEOPS (Characterising ExOPlanet Satellite)	40
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

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



Blog Gorana Hudeca

??	Soyuz-2 1B / Fregat -M	Neutron (Kosmos)	
??	Angara A5 / Briz-M	Kosmos (Repei)	
??	Vega	MN35-13 B	Morocco EO Sat 1 2
??	Ariane 5 ECA	GSAT-11	
??	Soyuz ST B / Fregat -MT	Cosmo-SkyMed Secon Gen 1	CSG-1
??	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	
??	??	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	20
??	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	
??	LS-1	LandSpace-1 (China)	
??	CZ-2D	SaudiSAT 5B	
??	CZ	YG-32 Yaogan Weixing 32	
??	CZ??	Tianzhi-1	
??	PSLV	Cartosat-3	
??	Simorgh	Dosti	
Launch site: Semnan , Iran			
??	Unha-3	Kwangmyŏngsŏng-5	



Blog Gorana Hudeca

11 + 16
51 + 119

2019.

Jan?? [Proton-M/Briz-M](#) Ямал-601
 ?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C
 ?? [Falcon 9](#) PSN VI 120

Feb07. 0920UTC [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

?? [Vega](#) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)

Mar?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B
 Mar?? [Falcon 9](#) GPS IIIA-2
 Mar?? [Falcon 9](#) [Dragon](#) SpX-17

?? [Atlas 5](#) 422 (AV082) CST-100 Starliner
CDR: Douglas **Hurley**, Robert **Behnken**

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Soyuz-2](#)-1B/[Fregat](#) Glonass K2 / 13
 ?? [Soyuz-2](#)-1B EgyptSat A
 ?? [CZ-3C](#) Beidou 3 G1Q
 ?? [CZ-3B](#)/YZ-1 Beidou 3 MEO M17, Beidou 3 MEO M18

?? [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.

Apr05. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Christina Hammock **Koch**

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

May?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2) with 2 astronauts
 May?? [Falcon 9](#) FT [Dragon](#) SpX-18
 May?? CZ CBERS-4A
 May?? [Ariane 5](#) ECA EDRS-C (Hylas 3)

June?? [Atlas 5](#) 551 STP-03
 June?? [CZ-5](#) B Test flight



Blog Gorana Hudeca

??	PSLV	RISAT 1A	
??	CZ-3B/G2	TECSTAR 1	
??	SSLV	??	
??	Soyuz ST B/Fregat-MT	O3b (FM17-20)	
??	GSLV MK II F10	GISAT	
??	Ariane 5	Inmarsat-5 F5	
??	Ariane 5 ECA	Eutelsat Quantum	
July??	Soyuz 2-1A	Soyuz MS 13 (S60/61)	
CDR:	Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA)		
July??	CZ-3C	Beidou 3 I3Q	
July??	H-2B (F9)	HTV8	
Aug28.	Soyuz-2 1A	Soyuz GVK	
Aug??	Soyuz ST B/ Fregat -MT	EarthCare	80
??	Delta IV	GPS IIIA-3	
Sep??	Atlas 5 552	Dream Chaser Cargo System SNC-1	
Late - inaugural flight - Vega-C - Kourou ZLV			
Oct??	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??	Falcon 9 FT	Dragon SpX-19	
??	Ariane 5	JCSat 17	
Nov29.	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)	
Nov??	Falcon 9	USCV-3 (US Commercial Vehicles)	
CDR:	??(NASA), ??(NASA), ??(RF)		
Nov??	Proton-M	MLM	
??	Soyuz-2 -1B/ Fregat -M	Glonass K2 / 14	
??	Proton-M / Briz-M	Blagovest 14	
??	Falcon 9	GPS IIIA-4	
??	Vega	Seosat (Ingenio)	
??	Vega - C	??	
Dec??	CZ-3B/YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
Dec??	Proton-M / Briz-M	Ekspress 80, Ekspress 103	
Dec??	Soyuz-2 1B / Fregat -M	CAS500-1	60
Dec??	Falcon H	Arabsat 6A	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Falcon 9	Astrium active SARah satellite	



Blog Gorana Hudeca

??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	Falcon 9	GiSat-1	
??	Ariane 5 ECA	Eutelsat BB4A (African Broadband Satellite)	
??	Ariane 5 ECA	Intelsat 39	
??	Ariane 5 ECA	Star One D2	
??	Soyuz ST B/ Fregat -MT	CSO 1 (Composante Spatiale Optique-1)	
??	Vega	OpSis	
??	Vega	Falcon Eye 1	
??	Vega	Falcon Eye 2	
??	Proton-M/Briz-M	SkyTerra 2	
??	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	40
??	Proton-M/ DM-03	Glonass-M/ K21,K22,K23	
??	Soyuz-2 1B / Fregat -M	Glonass K1 / 16	
??	Proton-M/ DM-03	Glonass K	
??	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	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-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	
??	Soyuz-2 1B / Fregat -M	Tundra 3	
??	Soyuz-2 1B / Fregat -M	Tundra 4	
??	CZ-5	Chang'e-5 (Sample return)	



Blog Gorana Hudeca

??	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](#) ScatSat, NovaSAR

?? [Safir 1 B](#) Tadbir
 ?? Safir 3A Pars sepher

122

2020.

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

Feb05. [Atlas 5](#) [Solar Orbiter \(SoI0\) \(ESA\)](#)

Feb?? H-2B (F10) HTV9
 Feb?? [Soyuz-2](#) [Progress MS](#) 13

?? [Vega](#) SSMS – 2 (Small Spacecraft Mission Service)

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))

?? [CZ-5](#) Tian He Space Station Core Module
 ?? [Ariane 5](#) Galaxy 30 / MEV-2
 ?? [Soyuz-2](#) 1B Progress M-UM

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](#) 1B /[Fregat](#)-M CAS500-1

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)
 ?? CZ-2F/G SZ-12 Shenzhou-12
 ?? [Vega](#) CCERES (x3)

May?? Soyuz 2-1A [Soyuz MS](#) 15 (S62/63)
 CDR: **Рыжиков** (Sergei Ryshikov), Jessica **Meir** (NASA), Soichi **Noguchi** (JAXA)



Blog Gorana Hudeca

May??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
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 5	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, 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	
??	Ariane 5	ViaSat 3 EMEA
Aug??	Falcon 9 FT	Dragon SpX-21
Aug??	Soyuz-2	Progress MS 14
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 15
Nov??	Soyuz 2-1A	Soyuz MS 16 (S63/64)
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



Blog Gorana Hudeca

??	??	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
??	Proton-M/Briz-M	Ekspress AMU 3 / Ekspress AMU 7
??	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)
??	??	Картграф-ОЭ №1
??	Ariane 5	Arsat 3
??	Ariane 5	ViaSat-3 Asia
??	Ariane 5 ECA	EDRS-D
??	??	Seosat-Ingenio-2
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Soyuz ST B/ Fregat -MT	OneWeb smalsat (x32)
??	Vega C Cosmo-SkyMed Secon Gen 2	CSG-2
??	CZ-5	Chang'e-6
??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	CZ-3B/ Palapa 1N	



Blog Gorana Hudeca

??	??	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
??	PSLV XL	Aditya'
??	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.

Feb?? [Soyuz-2](#) [Progress MS 16](#)

Mar30. [Soyuz-2-1A](#) [Soyuz MS 17](#)

Cdr: xx, Akihiko **Hoshide**, xx

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

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 17](#)

?? CZ-2F/G SZ-14 Shenzhou-14

?? Ariane 62 Galileo-FOC FM25, Galileo-FOC FM26

July?? Vulcan/Minotaur 6/[Falcon 9](#) v1.1 JPSS-2

July?? [Vega](#) C 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 18](#)

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



Blog Gorana Hudeca

??	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
??	Ariane 5	Heinrich Hertz
??	Ariane 5	SES-17
??	Ariane 5	Comsat NG 1 (Syracuse 4A)
??	Soyuz ST B/ Fregat -MT	CSO 2 (Composante Spatiale Optique-2)
??	Vega C	Space Rider 2
??	Vega C	CNES/UAE Mars mission
??	Vega-C	Pleiades Neo 3, Pleiades Neo 4
??	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 19

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)

May20. [Ariane 5](#) [JUICE \(JU](#) [piter ICy moon Explorer\)](#)

June04. [SLS Block I](#) [Orion: Exploration Mission 2 \(Crew to Cislunar\) Mission\)](#)

June?? Ariane 5 MTG-12

??	Sunkar ??	
??	Soyuz-2	Progress MS 20



Blog Gorana Hudeca

Aug??	H2B	Phobos sample return
Sep30.	Soyuz-2-1A	Soyuz MS 20
Nov??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
Dec??	Soyuz ST B / Fregat -MT	MetOp-SG B1
Dec??	Vega C	FLEX (Fluorescence Explorer satellite)
??	Sunkar Federatsia (unmaned)	
??	Soyuz-2	Progress MS 21
??	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
??	Ariane 5	Comsat NG 2 (Syracuse 4B)
??	Vega C	Space Rider 3
??	Vega C	CryoSat FO
??	CZ	HY-3C Haiyang-3C
2023.		
??	Soyuz-2	Progress MS 22
Mar30.	Soyuz-2-1A	Soyuz MS 21
??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vechile)
??	CZ-2F/G	SZ-16 Shenzhou-16
May??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)
??	Soyuz-2	Progress MS 23
??	Ariane 5	MTG-S2/Sentinel-4A
Sep30.	Soyuz-2-1A	Soyuz MS 22
??	Soyuz-2	Progress MS 24



Blog Gorana Hudeca

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](#) 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](#) C Space Rider 4
 ?? [Soyuz ST](#) B/[Fregat](#)-MT Sentinel-1C

?? 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](#) USCVC-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](#) 25
 ?? [Soyuz-2](#) [Progress MS](#) 26
 ?? [Soyuz-2](#) [Progress MS](#) 27

?? [Soyuz-2](#) 1b Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples



Blog Gorana Hudeca

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

2069.

??	??	Interstellar mission
----	----	--------------------------------------