



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (12.11.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **12.Nov.2018**.

Nov14. **1138UTC** **GSLV MK III D2** **GSAT-29**

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

Nov15. **0949UTC** **Antares 230** **Cygnus Orb-10E**

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

Nov15. **2046UTC** **Falcon 9** **Es'hail 2**

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

Nov16. **1814UTC** **Soyuz-2 1A** **Progress MS 10**

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

Nov17. **LauncherOne** **Test Launch**

Launch site: [Spaceport America](#), USA

Nov19. **1832UTC** **Falcon 9** **Spaceflight SSO-A**

Launch site: [Vandenberg](#), USA

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Nov19. **CZ-3B/YZ-1** **Beidou 3 MEO M17, Beidou 3 MEO M18**

Launch site: [Xichang](#), China

Nov21. **0142UTC** **Vega (VV13)** **MN35-13 B Morocco EO Sat 1 2**

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

Nov25. **KZ-1A** **Jilin 1-09**

Launch site: [Jiuquan](#), China

Nov27. **0730UTC** **PSLV C43** **HysIS**

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

Nov29. **Delta 4-H** **NROL-71 KH11 17 (Cristal 17)**

Launch site: [Vandenberg](#), USA

??Nov?? **0805UTC** **Pegasus-XL** **ICON ([Helio EX-1](#))**

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

Nov?? **CZ-2D** Jiading-1
Nov?? **CZ-11** Lingque 1,2
Nov?? **CZ-2D** SaudiSAT 5A ,SaudiSAT 5B

Dec03. **1131UTC** **Soyuz-2 1A** **Soyuz MS 11 (S58/59)**

CDR: Олэг Дмíтриевич Кононёнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques

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

Dec04. **1838UTC** **Falcon 9 FT** **Dragon SpX-16**

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



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Dec04. 2134UTC [Ariane 5](#) VA246 GSAT-11 / GEO-KOMPSAT-2A (GK2A, Cheollian 2A) Launch site: [Kourou](#), French Guiana

Dec08. [CZ-3B/GIII](#) Chang'e-4 (Moon far side Aitken Basin lander/rover)

Dec15. 1424UTC [Falcon 9](#) GPS III-1
Launch site: [Cape Canaveral](#), USA

Dec15. [CZ-4B](#) ZY-2D Ziyuan-2D

Dec17. 0203UTC [Soyuz ST B/Fregat-MT](#) (VS20) CSO 1 (Composante Spatiale Optique-1)
Launch site: [Kourou](#), French Guiana

Dec23. 1208UTC [Soyuz-2 1B /Fregat-M](#) Neutron (Kosmos)

Dec25. 0207UTC [Soyuz-2 1A / Fregat Kanopus V 5, Kanopus V 6](#)
Launch site: [Восточный \(Vostochniy\) Cosmodrome](#), Russia

Dec25. 2212UTC [Proton-M/Briz-M](#) Blagovest 13
Launch site: [Байконур \(Baikonur\) Cosmodrome](#), Kazakhstan

Dec27. [Soyuz-2-1B](#) EgyptSat A
Launch site: [Байконур \(Baikonur\) Cosmodrome](#), Kazakhstan

Dec29. CZ-4C ?? 20

Dec30. 1638UTC [Falcon 9](#) [Iridium Next Flight 8 \(x10\)](#)
Launch site: [Vandenberg](#), USA

Dec?? [Electron](#) ELaNa XIX
Launch site: [Kaitorete Spit](#), New Zeland

Dec?? [PSLV](#) C44 EMIsat
Dec?? [CZ-2D](#) GF-7 Gaofen-7
Dec?? [CZ-11](#) CAS-6

?? CZ-?? CAS-5A, CAS-5B
Launch site: [Jiuquan](#), China

?? ?? Taurus-1
Launch site: [Taiyuan](#), China

?? CZ?? Tianzhi-1
?? [CZ-11](#) LOVEcho
?? [CZ-11](#) Fengtai Shaonian-02
?? [CZ-2D](#) NuSat 6, 7, 8

?? [KZ-1A](#) Jilin 1-10
?? [KZ-1A](#) Jilin 1-11
?? [KZ-1A](#) Jilin 1-12

?? KZ-11 Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)

?? [CZ-3C](#) Tianlian-2 TL-2
?? [CZ-2D](#) Jilin-2 JL-2



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?? [CZ-2D](#) Jilin-3 JL-3
 ?? [CZ](#) Huaizong-1
 ?? [CZ](#) **Hongyan-1**

17 + 5
 88 + 47

2019.

Jan08. [Falcon 9](#) (SPx-DM1) **Dragon v2 unmanned test**

Jan23. **2340UTC** [Delta IV-M \(5,4\)](#) **WGS 10**

Jan30. [GSLV Mk II D9](#) **Chandrayaan 2**
 Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Jan?? [CZ-5 Y3](#) SJ-18 02 (DFH-5 platform)
 Jan?? [PSLV C45](#) RISAT-2B
 Jan?? [Falcon 9](#) PSN VI

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

?? [Rokot / Briz KM](#) Rodnik x 3 (14F132)
 Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia **160**

?? [CZ-11](#) Zhuhai-1 Group-3
 ?? [Ariane 5 ECA](#) Hellas-Sat-4, **SGS1**
 ?? [Ariane 5 ECA](#) GSAT 31

Feb07. [Soyuz ST B/Fregat-MT](#) **OneWeb smalsat (x10)**

Feb08. **0920UTC** [Soyuz-2](#) [Progress MS 11](#)

Feb17. [Falcon 9](#) [Dragon SpX-17](#)

Feb18. [Falcon 9](#) **Radarsat C-1, -2, C-3**
 Launch site: [Vandenberg](#), USA

Feb?? [Vega](#) (VV14) [Prisma](#)
 Launch site: [Kourou](#), French Guiana

Feb?? [CZ-3C](#) [Beidou 3 I1Q](#)
 Feb?? [PSLV C46](#) Cartosat 3

?? [Soyuz-2-1B](#) Arktika M 1
 Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

?? [CZ-3B/E](#) Apstar-6D
 ?? [Ariane 5 ECA](#) Eutelsat 7C
 ?? [Electron](#) Outernet 2,3
 ?? [GSLV MK II F12](#) GSAT-7A
 ?? [Soyuz-2-1B/Fregat M](#) Meridian 18L

Mar01. [Antares 230](#) [Cygnum OA-11](#)



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

Mar?? [Proton-M/Briz-M](#) Eutelsat 5 West B / MEV
 Mar?? [PSLV](#) C47 RISAT-2BR1
 Mar?? 1900UTC [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test) **140**
 Mar?? [Proton-M/Briz-M](#) Ямал-601

?? [Soyuz-2](#) 1A [Bars-M](#) 3
 Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? [Rokot / Briz KM](#) [Gonets](#) x 3 (No 24,25,26), Blits-M
 Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
 ?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13
 ?? [CZ-3C](#) [Beidou 3](#) G1Q
 ?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M17, [Beidou 3](#) MEO M18
 ?? [CZ-3B/YZ-1](#) ZX-6C Zhongxing-6C
 ?? [Falcon H](#) Arabsat 6A

Apr04. [Delta IV](#) **GPS IIIA-2**

Apr05. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)
 CDR: Олэг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Christina **Hammock Koch**, Tyler N. **Hague**

Apr11. [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?? [Soyuz-2-1B/Fregat](#)-M Meteor M-2-2, Ionosfera 3, Ionosfera 4
 Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

Apr?? ?? GOES-T
 Apr?? [CZ-3B/E](#) Nicasat 1
 Apr?? [CZ-3C](#) [Beidou 3](#) I2Q

?? [Falcon H](#)heavy STP-02, FORMOSAT-7 (6 sat)

May07. [Falcon 9](#) **Dragon SpX-18**

May?? CZ CBERS-4°
 May?? [Ariane 5](#) ECA EDRS-C (Hylas 3) **120**

June05. [Soyuz-2](#) **Progress MS 12**

June?? [Falcon 9](#) (SPx-DM2) Dragon v2
CDR: Robert **Benkhen**, Doug **Hurley**

June?? [CZ-5](#) B Test flight
 June?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C

?? [CZ-3B/G2](#) TECSTAR 1
 ?? SSLV ??
 ?? [Soyuz ST](#) B/[Fregat](#)-MT [O3b](#) (FM17-20)
 ?? [GSLV](#) MK II F10 GISAT



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??	Ariane 5	Inmarsat-5 F5
??	Soyuz ST B/Fregat-MT	Cosmo-SkyMed Secon Gen 1 CSG-1
??	Ariane 5 ECA	Intelsat 39
??	Soyuz-2-1B/ Fregat-M	Glonass K 15
??	Minotaur 1	NROL 111

July06. Soyuz FG Soyuz MS 13 (S60/61)

CDR: Александр Александрович **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

July??	CZ-3C	Beidou 3 I3Q
July??	H-2B (F9)	HTV8
July??	Atlas 5 551	STP-03
July??	Atlas 5	AEHF 5
July??	Vega	SSMS POC (Small Spacecraft Mission Service Proof Of Concept)
Aug??	Atlas 5 422 (AV082)	CST-100 Starliner

CDR: Eric **Boe**, Chris **Ferguson**, Nicole Aunapu **Mann** 100

Aug?? [Zenit 3 SL /Fregat-SB](#) Lybid'
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Aug?? [Falcon 9](#) Dragon v2 (USCV-1)
Cdr: Victor **Glover**, Mike **Hopkins**

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

Sep04. Soyuz-2 1A Soyuz 14 GVK

Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1
Sep?? [Soyuz ST B/Fregat-MT](#) CHEOPS (Characterising ExOPlanet Satellite)

?? [Atlas 5](#) 551 (AV-086) AEHF-6

Late - inaugural flight - Vega-C - Kourou ZLV

Oct08. Soyuz-2-1A Soyuz MS 15 (S61/62)

CDR : Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**), Christopher J. **Cassidy**

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

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
Oct??	Falcon 9	GPS IIIA-3

??	Ariane 5	JCSat 17
??	Ariane 5 ECA	GEO-KOMPSAT-2B , Cheollian 2B
??	Ariane 5 ECA	Eutelsat Quantum

Nov08. Proton-M MLM

??	Soyuz-2-1B/Fregat-M	Glonass K2 / 14	80
??	Proton-M/Briz-M	Blagovest 14	
??	Falcon 9	GPS IIIA-4	



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??	Vega	Seosat (Ingenio)	
??	Vega - C	??	
Dec04.	Soyuz-2	Progress MS 13	
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	
??	Atlas 5 551	AFSPC-7 (X-37B OTV 6)	
??	Falcon 9	Astrium active 3x SARah satellite	
??	Atlas 5 551	Asteroid Retrieval Spacecraft (ARS)	
??	??	EX-3	
??	Falcon 9	GiSat-1	
??	Falcon 9	OHB SARah satellite (x2)	
??	Ariane 5 ECA	Eutelsat BB4A (African Broadband Satellite)	
??	Ariane 5 ECA	Star One D2	
??	Ariane 5	GSAT-30	
??	Vega	OpSis	
??	Vega	Falcon Eye 1	
??	Vega	Falcon Eye 2	60
??	Proton-M/Briz-M	SkyTerra 2	
??	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	
??	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	
??	Angara A5/ Briz-M	Kosmos (Repei)	
??	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	40
??	Soyuz-2 -1B	Pion	
??	Soyuz-2 -1B/ Fregat -M	Glonass K2	
??	Soyuz-2 -1B/ Fregat	Glonass K2	



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??	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	
??	Soyuz-2 1B / Fregat -M	Tundra 3	
??	Soyuz-2 1B / Fregat -M	Tundra 4	
??	Rokot / Briz KMGeo IK 2	13L	
Launch site: Плесецк (Plesetsk) Cosmodrome, Russia			
??	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-2C	HY-1D Haiyang-1D	
??	CZ	Sun Fixed-Point Observation	
??	CZ-4B	HY-2C Haiyang-2C	
??	CZ	CBERS-SAR 1	
??	??	Hainan-1 (1)	20
??	??	Hainan-1 (2)	
??	??	Hainan-1 (3)	
??	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	
??	CZ	FY-3E Fengyun-3E	
??	CZ	FY-4B Fengyun-4B	
??	CZ-??	CAS-4A, CAS-4B	
Launch site: Taiyuan , China			
??	CZ	Orbita-1 1	
??	GSLV MK II F11	GSAT-10A	
Launch site: Satish Dhawan Space Centre , Sriharikota, India			
??	PSLV	ScatSat, NovaSAR	
??	Simorgh	Dosti	
Launch site: Semnan , Iran			
??	Safir 1 B	Tadbir	
??	Safir 3A	Pars sepher	



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2020.

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

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

Feb?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2)
Cdr: John **Cassada**, Sunita **Williams**

Feb?? H-2B (F10) HTV9

?? [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

Apr15. [Soyuz 2-1A](#) [Soyuz MS 16 \(S62/63\)](#)

CDR: **Рыжиков** (Sergei Ryshikov), Thomas **Marshburn** (NASA), Soichi **Noguchi** (JAXA)

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](#) 1B Progress M-UM

?? [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](#)

July25. [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 2020. 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)



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?? Vega-C Pleiades Neo 1, Pleiades Neo 2
 ?? [Ariane 5](#) ViaSat 3 EMEA

Aug?? [Falcon 9](#) USCV-3 (US Commercial Vehicles)
 CDR: ??(NASA), ??(NASA), ??(RF)

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

Oct21. Soyuz 2-1A [Soyuz MS 17 \(S63/64\)](#)
 CDR: **Иванишин (Ivanishin), Вагнер (Vagner), Bowen**

Oct?? Vega Proba 3

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

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).

?? ?? PACE
 ?? ?? EX-4
 ?? ?? ACE
 ?? ?? HypIRI
 ?? 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
 ?? [Proton-M/ DM-03](#) [Glonass-M/K18,K19,K20](#)

?? [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



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??	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)
??	??	Картограф-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	
??	??	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??	Atlas 5 402	USCV-4 (US Commercial Vehicles)
Feb??	Soyuz-2	Progress MS 16
Mar30.	Soyuz-2-1A	Soyuz MS 18



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

Mar31. [Ariane 5](#) ES **JWST (James Webb Space Telescope)**

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

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

July?? [Soyuz-2](#) 1a / [Fregat](#) Luna 25 (Luna-Glob-1)

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

Sep30. [Soyuz-2-1A](#) [Soyuz MS](#) 18

Sep?? [Soyuz ST](#) B/[Fregat](#)-MT MetOp-SG A1/EPS-SG-a/Sentinel-5A

Sep?? [Falcon 9](#) SWOT

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

Dec?? [Vega](#) C KOMPSAT 7

?? [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

?? [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 N°1

?? [Proton-M](#)/[Briz-M](#) IntelSat

?? [Proton-M](#)/[Briz-M](#) Elektro L - 4

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

?? [Proton-M](#)/ DM-03 [Glonass-M](#)/K21,K22,K23

?? [Angara](#) A5/ [Briz-M](#) Luch 5M

?? [Ariane 5](#) Heinrich Hertz

?? [Ariane 5](#) SES-17

?? [Ariane 5](#) Comsat NG 1 (Syracuse 4A)



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?? [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

Feb?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-6 (US Commercial Vehicles)

?? [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](#) Mengtian Lab module Space station module
 ?? CZ-2F/G SZ-15 Shenzhou-15

May20. [Ariane 5ECA](#) **JUICE (JUperiter ICy moon Explorer)**

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

June?? Ariane 5 MTG-I2

?? Sunkar ??
 ?? [Soyuz-2](#) [Progress MS](#) 20

Aug?? H2B Phobos sample return

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

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

Dec?? [Soyuz ST B/Fregat](#)-MT MetOp-SG B1
 Dec?? [Vega C](#) FLEX (Fluorescence Explorer satellite)

?? Sunkar Federatsia (unmanned)

?? [Soyuz-2](#) [Progress MS](#) 21

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



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??	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
??	Angara A5/ Briz-M	Luch 5M
??	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
Feb??	Atlas 5 402 / Falcon 9	USCV-8 (US Commercial Vehicles)

Mar30. [Soyuz-2-1A](#) [Soyuz MS 21](#)

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

??	Soyuz-2	Progress MS 23
??	Ariane 5	MTG-S2/Sentinel-4A

Aug??	Atlas 5 402 / Falcon 9	USCV-9 (US Commercial Vehicles)
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Sep30. [Soyuz-2-1A](#) [Soyuz MS 22](#)

??	Soyuz-2	Progress MS 24
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??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
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??	Sunkar Federatsia (unmanned flight to ISS)	
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?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.

??	Soyuz-2 1b	Luna 27 (Luna-Resurs PA)	Testing an adaptive landing mode with a radio-beacon; delivering a rover
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??	Proton-M/Briz-M	Ekspress – AT3, AT4
??	Soyuz-2-1B/Fregat-M	Resurs PM - 3



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??	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		
Feb??	Atlas 5 402 / Falcon 9	USCV-10 (US Commercial Vehicles)
Mar30.	Soyuz-2-1A	Soyuz MS 23
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
Aug??	Atlas 5 402 / Falcon 9	USCV-11 (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
??	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



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??	??	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
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