



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (19.11.2018.)

2018.

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

Nov19. **2340UTC** [CZ-2D](#) **SaudiSAT 5A ,SaudiSAT 5B, Jiading-1, Tianzhi-1** Launch site: [Jiuquan, China](#)

Nov21. **0142UTC** [Vega](#) (VV13) **MN35-13 B** [Morocco EO Sat 1 2](#)
Launch site: [Kourou](#), French Guiana

Nov24. **1832UTC** [Falcon 9](#) [Spaceflight SSO-A](#)
Launch site: [Vandenberg](#), USA

?Nov25. [KZ-1A](#) **Jilin 1-09**
Launch site: [Jiuquan](#), China

Nov29. **0400UTC** [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?? [CZ-11](#) **Lingque 1,2**

Dec03. **1131UTC** [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)
CDR: Олэг Дмїтриевич Кононєнко (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

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

Dec07. **1830UTC** [CZ-3B/GIII](#) **Chang'e-4 (Moon far side Aitken Basin lander/rover)**

Dec10. [Electron](#) **ELaNa XIX**
Launch site: [Kaitorete Spit](#), New Zeland

Dec14. [GSLV](#) MK II **F12** **GSAT-7A**
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

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)**



Blog Gorana Hudeca

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

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 **20**

Dec29. **CZ-4C** **??**

Dec30. 1638UTC [Falcon 9](#) **Iridium Next Flight 8 (x10)**

Launch site: [Vandenberg](#), USA

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-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

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

?? CZ Huaizong-1

?? CZ Hongyan-1

18 + 4

93 + 39

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 **160**



Blog Gorana Hudeca

Jan?? [PSLV](#) C45

RISAT-2B

Jan?? [Falcon 9](#)

PSN VI

Jan?? [Falcon H](#)

Arabsat 6A

?? [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

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

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

?? [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 140
?? [Electron](#) Outernet 2,3
?? [Soyuz-2-1B/Fregat M](#) Meridian 18L

Mar01. [Antares 230](#) [Cygnum OA-11](#)
Launch site: [Wallops Island](#), USA

Mar?? [PSLV](#) C47 RISAT-2BR1
Mar?? 1900UTC [Atlas 5](#) N22 (AV80) CST-100 Starliner (unmanned test)
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



Blog Gorana Hudeca

??	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
??	Soyuz ST B/Fregat-MT	O3b (FM17-20)
??	Soyuz ST B/Fregat-MT	Cosmo-SkyMed Secon Gen 1 CSG-1 / CHEOPS (Characterising ExOPlanet Satellite)

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

Apr05. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)
 CDR: Олѐг 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	120
Apr??	CZ-3C	Beidou 3 I2Q	

?? [Falcon 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)

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

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

June30. [Soyuz FG](#) [Soyuz MS 13 \(S60/61\)](#)
 CDR: Александр Александрович **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

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		??
??	GSLV MK II	F10	GISAT
??	Ariane 5		Inmarsat-5 F5
??	Ariane 5 ECA		Intelsat 39
??	Soyuz-2-1B/ Fregat-M		Glonass K 15
??	Minotaur 1		NROL 111
??	Proton-M/Briz-M		EutelSat 5 West B / MEV

July?? [CZ-3C](#) [Beidou 3](#) I3Q style="color: red;">100

July?? H-2B (F9) HTV8



Blog Gorana Hudeca

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

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**

Sep04. [Soyuz-2 1A](#) **Soyuz 14 GVK**

Sep?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-1

?? [Atlas 5](#) 551 (AV-086) AEHF-6
 ?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)

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?? [Falcon 9](#) FT [Dragon](#) SpX-19
 Oct?? [Falcon 9](#) GPS IIIA-3

?? [Ariane 5](#) JCSat 17
 ?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B **80**
 ?? [Ariane 5](#) ECA Eutelsat Quantum

Nov08. [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 ??

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



Blog Gorana Hudeca

??	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	60
??	Vega	OpSis	
??	Vega	Falcon Eye 1	
??	Vega	Falcon Eye 2	
??	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	40
??	Proton-M	PTK NP	
??	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	
??	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	



Blog Gorana Hudeca

??	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	

162

2020.

Jan??	Falcon 9	Dragon SpX-20
Feb05.	Atlas 5	Solar Orbiter (SoI0) (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



Blog Gorana Hudeca

Mar?? satellite))	Atlas 5 551	AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning
??	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?? Orbit (DRO) Tactical DRM	SLS-1	Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde
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)
??	Vega-C Pleiades Neo 1, Pleiades Neo 2	
??	Ariane 5	ViaSat 3 EMEA
Aug?? CDR: ??(NASA), ??(NASA), ??(RF)	Falcon 9	USCV-3 (US Commercial Vehicles)
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)



Blog Gorana Hudeca

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](#) 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

?? [Soyuz-2-1B/Fregat-M](#) Kondor-FKA n.º 1
 ?? [Soyuz-2-1B](#) Obzor R -1
 ?? [Soyuz-2](#) 1B /[Fregat-M](#) Resurs №4
 ?? ?? Zond
 ?? ?? MKA PN6 (Monika)
 ?? ?? Картограф-ОЭ №1



Blog Gorana Hudeca

??	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 USCVC-4 (US Commercial Vehicles)

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

Mar30. [Soyuz-2-1A](#) [Soyuz MS 18](#)

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



Blog Gorana Hudeca

July??	Vulcan/Minotaur 6/ Falcon 9 v1.1	JPSS-2
July??	Vega C	Biomass
July??	Soyuz-2 1a / Fregat	Luna 25 (Luna-Glob-1)
??	Soyuz ST B/ Fregat -MT	EarthCare
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 №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
??	Soyuz-2 -1B/ Fregat -M	Kondor-FKA n.º 2
??	Soyuz-2 1B / Fregat -M	Resurs №5
??	Angara A5/ Briz-M	Luch 5M
??	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)



Blog Gorana Hudeca

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 (JU**pter **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 (unmaned)

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

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

?? [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



Blog Gorana Hudeca

??	Soyuz-2-	Razdan 2
??	Proton-M/Briz-M	Elektro L - 5
??	Soyuz-2-1B/Fregat-M	Resurs PM - 1
??	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)
-------	--	---------------------------------

Sep30.

	Soyuz-2-1A	Soyuz MS 22
??	Soyuz-2	Progress MS 24
??	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.

?? [Soyuz-2](#) 1b Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover

??	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 C Space Rider 4	



Blog Gorana Hudeca

??	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
??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)

2025



Blog Gorana Hudeca

??	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
----	----	--------------------------------------