



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (12.3.2018.)

2018.

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

**Mar12.** [CZ-3B/YZ-1](#) [Beidou 3 MEO M5](#), [Beidou 3 MEO M6](#)

Launch site: [Xichang](#), China

**Mar21. 1742UTC** [Soyuz-2 1A](#) [Soyuz MS 8 \(S55/56\)](#)

CDR: Олег Германович **Артемьев** (Oleg G. **Artemyev**), Andrew J. **Feustel**, Ricky R. **Arnold**

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

**Mar21. 2142UTC** [Ariane 5 ECA \(VA242\)](#) [Hylas 4](#), [DSN 1 \(Superbird-8\)](#)

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

**Mar29. 1419UTC** [Falcon 9](#) [Iridium Next Flight 5 \(x10\)](#)

Launch site: [Vandenberg](#), USA

**Mar29.** [Soyuz-2-1V](#) [Kosmos EMKA](#)

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

**Mar29.** [GSLV Mk II F8](#) [GSAT 6A](#)

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

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

Launch site: [Taiyuan](#), China

Mar?? [CZ-11](#) [Zhuhai-1](#)  
Mar?? [CZ-2D](#) LKW-4 ([LudiKancha Weixing 4](#))

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

**Apr02. 2030UTC** [Falcon 9](#) [Dragon SpX-14](#)

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

**Apr05. 1608UTC** [Falcon 9](#) [Bangabandhu-1](#)

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

**Apr12. 2200UTC** [Atlas 5 551 \(AV-079\)](#) [AFSPC-11](#) 140

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

**Apr16. 2232UTC** [Falcon 9](#) [TESS](#)

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

**Apr19.** [Proton-M/Briz-M](#) [Blagovest 12](#)

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

**Apr21.** [CZ-3B/G2](#) [APStar-6C](#)

Launch site: [Xichang](#), China

**Apr25.** [Rokot / Briz KM](#) [Sentinel 3B](#)



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

**Apr28.** [Falcon 9](#) [Iridium Next Flight 6 \(x5\)](#), GRACE FO\_1, FO\_2

Launch site: [Vandenberg](#), USA

Apr?? [PSLV](#) XL (C41) [IRNSS I](#)

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

Apr?? [H-2A](#) GOSAT-2

Apr?? [CZ-4B](#) GF-5 Gaofen-5

?? KZ-1A [Jilin 1-09](#)

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

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

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

**May01.** [Antares 230](#) [Cygnum Orb-9E](#)

**May05.** 1105UTC [Atlas 5 401 AV-078](#) [InSight](#)

Launch site: [Vandenberg](#), USA

**May18.** [Ariane 5 ECA \(VA243\)](#) [GSAT-11, Azerspace 2 \(Intelsat 38\)](#)

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

May?? [Soyuz-2-1B/ Fregat-M](#) Glonass M 59

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

?? [Falcon 9](#) SES-12

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

?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M7, [Beidou 3](#) MEO M8

?? [CZ-3B/E](#) SupremeSAT-II 120

**June06.** [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)

CDR: Сергей Валерьевич [Прокопьев \(Sergei Valerevich Prokopyev\)](#), Serena [Auíón-Chancellor](#), Alexander Gerst

**June09.** [Falcon 9](#) [Dragon SpX-15](#)

**June12.** [CZ-2D](#) [GF-6 Gaofen-6, LJ-1 Luojia-1](#)

**June13.** [Falcon Heavy](#) [STP-02](#)

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

?? Pegasus-XL ICON ([Helio EX-1](#))

Launch site: [Kwajalein Atoll](#), USA

?? [Vega](#) TARANIS

?? [Vega](#) Prisma

?? KZ-11 Xiaoxiang-4

?? [Falcon 9](#) Telstar 19



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??	<a href="#">Falcon 9</a>	Telstar 18	
??	<a href="#">Angara A5/ Briz-M</a>	Kosmos	
??	<a href="#">Falcon 9</a>	Telkom 4	
<b>July05.</b>	<b><a href="#">Falcon 9</a></b>	<b>Spaceflight SSO-A</b>	
<b>July10.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Progress MS 9</a></b>	
<b>July31.</b>	<b>Delta 4-H</b>	<b>Parker Solar Probe</b>	
July??	<a href="#">Ariane 5</a> ES (VA244)	<a href="#">Galileo-FOC</a> FM19 (Tara), <a href="#">Galileo-FOC</a> FM20 (Samuel), <a href="#">Galileo-FOC</a> FM21 (Anna), <a href="#">Galileo-FOC</a> FM22 (Ellen)	100
July??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Glonass-M</a> 60	
July??	<a href="#">Soyuz-2 1A</a>	Bars-M 3	
??	<a href="#">Falcon 9</a>	PSN VI	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M9, Beidou 3 MEO M10	
??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2A	
??	<a href="#">Falcon 9</a>	<a href="#">Iridium Next</a> Flight 8 (x10)	
<b>Aug16.</b>	<b>H-2B (F7)</b>	<b>HTV7</b>	
<b>Aug19.</b>	<b><a href="#">Soyuz ST B/Fregat-MT</a></b>	<b>OneWeb smalsat (x32)</b>	
<b>Aug27.</b>	<b><a href="#">Atlas 5</a> N22 (AV80)</b>	<b>CST-100 Starliner (unmanned test)</b>	
<b>Aug27.</b>	<b><a href="#">Falcon 9</a> (SPx-DM1)</b>	<b>Dragon v2 unmanned test</b>	
Aug??	<a href="#">CZ-3C</a>	Beidou 2 I7	
Aug??	<a href="#">CZ-2C</a>	CFOSAT (China-France Oceanography SATellite)	
Aug??	<a href="#">CZ-11</a>	OKW-2	
Aug??	<a href="#">Falcon 9</a>	SAOCAM-1A, ITASAT-1	
<b>Sep12. 1246UTC</b>	<b>Delta II 7320-10C</b>	<b>ICESat-II</b>	
<b>Sep14.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Soyuz MS 10 (S57/58)</a></b>	
<b>CDR:</b> Алексей Николаевич <b>Овчинин</b> (Aleksei Nikolaevich <b>Ovchinin</b> ), Николай Владимирович <b>Тихонов</b> (Nikolai Vladimirovich <b>Tikhonov</b> ), Tyler <b>Hague</b>			
<b>Sep26.</b>	<b>Delta 4-H</b>	<b>NROL-71</b>	
Sep??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass K</a>	
Sep??	<a href="#">Falcon 9</a>	GPS III-1	
??	<a href="#">Ariane 5</a> ECA	Intelsat 7C	80
??	<a href="#">Falcon 9</a>	Radarsat C-1, -2, C-3	
??	<a href="#">Falcon 9</a>	OHB SARah satellite (x2)	
??	CZ-5 Y3	SJ-18 02	
??	<a href="#">Ariane 5</a> ECA	Hellas-Sat-4	
??	<a href="#">Proton-M/Briz-M</a>	EutelSat 5 West B / MEV	
<b>Oct05.</b>	<b><a href="#">Ariane 5</a></b>	<b><a href="#">BepiColombo</a> ESA and ISAS Mercury Orbiters</b>	
<b>Oct11.</b>	<b><a href="#">Soyuz-2</a></b>	<b><a href="#">Progress MS 10</a></b>	
<b>Oct18.</b>	<b><a href="#">Atlas 5</a> (531) (AV073)</b>	<b>AEHF-4</b>	



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<b>Oct22.</b>	<b><a href="#">Proton-M/Briz-M</a></b>	<b>Elektro L – 3</b>	
Oct??	<a href="#">Rokot / Briz KM</a>	<a href="#">Gonets</a> x 3 (No 24,25,26), Blits-M	
Launch site: Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia			
Oct??	<a href="#">GSLV</a> Mk II D9	Chandrayaan 2	
Launch site: <a href="#">Satish Dhawan Space Centre</a> , Sriharikota, India			
Oct??	<a href="#">CZ-3C</a>	Beidou 3 G1Q	
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass M 61	
Oct??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Meteor M-2-2, Ionosfera 3, Ionosfera 4	
Oct??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> Orb-10E	
??	<a href="#">Ariane 5</a>	Horizon 3e	
??	<a href="#">Falcon H</a>	Arabsat 6A	
<b>Nov15.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Soyuz MS 11 (S58/59)</a></b>	
<b>CDR:</b> Олэг Дмїтриевич Кононєнко ( <b>Oleg Dmitrievich Kononenko</b> ), Anne McClain ( <b>NASA</b> ), David <b>Saint-Jaques</b>			
<b>Nov16.</b>	<b><a href="#">Falcon 9</a> FT</b>	<b><a href="#">Dragon</a> SpX-16</b>	
Nov??	<a href="#">Atlas 5</a> 422 (AV082)	CST-100 Starliner	
<b>CDR:</b> Douglas <b>Hurley</b> , Robert <b>Behnken</b>			
			<b>60</b>
Nov??	<a href="#">Soyuz-2</a> 1A / <a href="#">Fregat</a>	Kanopus V 5, Kanopus V 6	
Nov??	<a href="#">Delta IV</a> -M (5,4)	WGS 10	
??	<a href="#">Epsilon</a> (4)	Inovative Technology Demonstration Satellite – 1, OrigamiSat-1	
Launch site: <a href="#">Tanegashima</a> , Japan			
??	Minotaur 1	NROL 111	
??	<a href="#">Falcon 9</a>	Spaceflight GTO.C	
??	<a href="#">CZ-2D</a>	GF-7 Gaofen-7	
??	<a href="#">CZ-3B/E</a>	Apstar-6D	
<b>Dec20.</b>	<b><a href="#">Proton-M</a></b>	<b>MLM</b>	
Dec??	<a href="#">CZ-3B</a> /GIII	Chang'e-4 (Moon far side Aitken Basin lander/rover)	
Dec??	??	Korean Pathfinder Lunar Orbiter	
Dec??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	CHEOPS (Characterising ExOPlanet Satellite)	
Dec??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -M	MetOp-C	
Dec??	<a href="#">Proton-M/Briz-M</a>	Ямал-601	
Dec??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x10)	
Dec??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> M	Meridian 18L	
Dec??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K 15	
??	<a href="#">Zenit 3 SL</a> / <a href="#">Fregat</a> -SB	Lybid'	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
??	<a href="#">Falcon 9</a>	Es'hail 2	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Tundra 3	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Tundra 4	<b>40</b>
??	<a href="#">Vega</a> (VV12)	Aeolus / ADM	



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??	<a href="#">Ariane 5</a>	Heinrich Hertz	
??	Minotaur-4	FORMOSAT-7 (6 sat)	
??	<a href="#">Atlas 5</a>	AEHF 5	
??	<a href="#">Vega</a>	MN35-13 B <a href="#">Morocco EO Sat 1 2</a>	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M11, Beidou 3 MEO M12	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M13, Beidou 3 MEO M14	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M15, Beidou 3 MEO M16	
??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M17, Beidou 3 MEO M18	
??	??	Taurus-1	
Launch site: <a href="#">Taiyuan</a> , China			
??	<a href="#">CZ-2D</a>	SJ-12 Shijian-12 (2)	
??	<a href="#">CZ-2D</a>	TH-2 Tianhui-2	
??	<a href="#">CZ-2C</a>	CSES-1 Earthquake electromagnetism monitor satellite	
??	??	VeneSat-2	
??	<a href="#">CZ-3B/E</a>	CC-1 <a href="#">Changcheng-1</a>	
??	CZ	Deep Space Solar Observatory	
??	CZ-2	CAS-2A1, CAS-2A2	
??	<a href="#">CZ-3B/E</a>	CongoSat 1	
??	??	Small Military Meteorological Satellite (x6)	
??	CZ	FY-3E Fengyun-3E	20
??	CZ	FY-4B Fengyun-4B	
??	<a href="#">CZ-4B</a>	<a href="#">Haiyang-1C</a>	HY-1C
Launch site: <a href="#">Taiyuan</a> , China			
??	CZ-??	<a href="#">CAS-4A, CAS-4B</a>	
Launch site: <a href="#">Taiyuan</a> , China			
??	CZ-4B	HY-1D Haiyang-1D	
??	CZ-4B	HY-2B Haiyang-2B	
??	<a href="#">CZ-3C</a>	<a href="#">Beidou 3 G8</a>	
??	CZ	Orbita-1 1	
??	CZ	Huaizong-1	
??	<a href="#">LS-1</a>	LandSpace-1 (China)	
??	<a href="#">CZ-3B/YZ-1</a>	ZX-6C Zhongxing-6C	
??	<a href="#">CZ-3A</a>	FY-2H Fengyun-2H	
??	<a href="#">CZ-2D</a>	SaudiSAT 5B	
??	CZ	YG-32 <a href="#">Yaogan Weixing</a> 32	
??	<a href="#">GSLV MK II</a>	F12 GSAT-7A	
??	<a href="#">PSLV</a>	EnMap	
??	<a href="#">Simorgh</a>	<a href="#">Dosti</a>	





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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

5 + 24  
 24 + 152

## 2019.

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

?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C

**Feb01.** [Falcon 9](#) [Dragon SpX-17](#)

**Feb06.** [Soyuz-2](#) [Progress MS 11](#)

Feb?? [CZ-3C](#) Beidou 3 I1Q  
 Feb?? [Atlas 5](#) [Solar Orbiter](#) (SolO) (ESA)  
 Feb?? [Atlas 5](#) 551 (AV-086) AEHF-6  
 Feb?? [Delta IV](#) GPS IIIA-2

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

**Mar07.** [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

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

?? [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 **100**  
 Apr?? [Falcon 9](#) Dragon v2 (USCV-1) with 2 astronauts  
 Apr?? [Soyuz-2](#) [Progress MS 12](#)

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)



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May??	<a href="#">Atlas 5</a> 402	CST 100 Starliner (USCV-2) with 2 astronauts	
May??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-18	
May??	CZ	CBERS-4A	
June??	Soyuz 2-1A	<a href="#">Soyuz MS</a> 13 (S60/61)	
CDR: <b>Скворцов</b> (Alexander Skvortsov), Luca <b>Parmitano</b> (ESA), Andrew <b>Morgan</b> (NASA)			
June??	<a href="#">Atlas 5</a> 551	STP-03	
June??	<a href="#">Ariane 5</a> ES	JWST (James Webb Space Telescope)	
June??	<a href="#">CZ-5B</a>	<b>Test flight</b>	
??	<a href="#">PSLV</a>	RISAT 1A	
??	<a href="#">CZ-3B/G2</a>	TECSTAR 1	
??	<a href="#">Vega</a>	Cosmo-SkyMed Secon Gen 1	CSG-1
??	SSLV	??	
??	<a href="#">Soyuz ST</a> B/Fregat-MT	<a href="#">O3b</a> (FM17-20)	
??	<a href="#">GSLV</a> MK II F10	GISAT	
??	<a href="#">PSLV</a>	Cartosat-3	
July??	<a href="#">CZ-3C</a>	Beidou 3 I3Q	
July??	H-2B (F9)	HTV8	
??	<a href="#">Ariane 5</a>	Inmarsat-5 F5	
??	<a href="#">Falcon 9</a>	GPS IIIA-3	80
Aug??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	EarthCare	
Aug??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 13	
Sep??	Soyuz 2-1A	<a href="#">Soyuz MS</a> 14 (S61/62)	
CDR: <b>Борисенко</b> (Andrei Borisenko), <b>Чуб</b> , (Nikolai Chub), Christina <b>Koch</b>			
Oct??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M19, Beidou 3 MEO M20	
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	<a href="#">Gonets</a> x 3 (No 27,28,29)	
Oct??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs №5	
Oct??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System SNC-1	
Oct??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-19	
<b>Nov14.</b>	<a href="#">Soyuz-2</a> 1B	<b>Progress M-UM</b>	
<b>Nov29.</b>	<a href="#">Soyuz-2</a> 1a / <a href="#">Fregat</a>	<b>Luna 25 (Luna-Glob-1)</b>	
Nov??	<a href="#">Falcon 9</a>	USCV-3 (US Commercial Vehicles)	
CDR: ??(NASA), ??(NASA), ??(RF)			
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2 / 14	
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Blagovest 14	
??	<a href="#">Falcon 9</a>	GPS IIIA-4	
??	<a href="#">Vega</a>	Seosat (Ingenio)	
Dec??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M21, Beidou 3 MEO M22	
Dec??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>	Ekspress 80, Ekspress 103	
??	<a href="#">Atlas 5</a> 551	AFSPC-7 (X-37B OTV 6)	
??	<a href="#">Falcon 9</a>	Astrium active SARah satellite	



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??	<a href="#">Atlas 5</a> 551	Asteroid Retrieval Spacecraft (ARS)	60
??	??	EX-3	
??	<a href="#">Falcon 9</a>	GiSat-1	
??	<a href="#">Vega</a>	Jason-CS A	
??	<a href="#">Vega</a>	OpSis	
??	<a href="#">Vega</a>	VNREDSat	
??	<a href="#">Vega</a>	LOTUSat	
??	<a href="#">Ariane 5</a> ECA	Eutelsat Quantum	
??	<a href="#">Ariane 5</a> ECA	African Broadband Satellite	
??	<a href="#">Ariane 5</a> ECA	Intelsat 39	
??	<a href="#">Soyuz ST</a> / <a href="#">Vega</a>	MicroCarb	
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	Sentinel-1C	
??	<a href="#">Ariane 5</a>	ViaSat-3	
??	<a href="#">Ariane 5</a>	JCSat 17	
??	<a href="#">Proton-M/Briz-M</a>	SkyTerra 2	
??	<a href="#">Proton-M/Briz-M</a>	Luch 5M	
??	<a href="#">Proton-M/Briz-M</a>	Yenisey A1	
??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass-M/</a>	56,57,58
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 17	
??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass-M/</a> K18,K19,K20	
??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass-M/</a> K21,K22,K23	
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 16	40
??	<a href="#">Proton-M/Briz-M</a>	Ямал-501	
??	<a href="#">Proton-M/Briz-M</a>	EutelSat	
??	<a href="#">Proton-M/Briz-M</a>	IntelSat	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> M	Meridian 19L	
??	<a href="#">Soyuz-2</a> -	Razdan 1	
??	<a href="#">Angara</a> 1.2	Kosmos	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
??	<a href="#">Proton-M/Briz-M</a>	Blagovest 13	
??	<a href="#">Proton-M/Briz-M</a>	Ямал-GK-1	
??	<a href="#">Proton-M/Briz-M</a>	EgyptSat 3	
??	<a href="#">Proton-M/Briz-M</a>	Anik G2V	
??	<a href="#">Proton-M</a>	PTK NP	
??	<a href="#">Soyuz-2</a> -1B	Obzor R -1	
??	<a href="#">Soyuz-2</a> 1A	Energiya-100	
??	<a href="#">Soyuz-2</a> -1B	Pion	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a>	Glonass K2	
??	<a href="#">Proton-M/</a> DM 3	Kosmos (Repei??)	
??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass-M</a>	
??	<a href="#">Soyuz-2</a> -1B	Arktika	20
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Resurs №4	
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Kondor-FKA n.º 1	





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??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7
??	<a href="#">Soyuz ST</a>	CSO 1
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -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
??	<a href="#">CZ-4B</a>	HY-2D Haiyang-2D
??	CZ	Sun Fixed-Point Observation
??	<a href="#">CZ-4B</a>	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

??	<a href="#">PSLV</a>	XL	<a href="#">Aditya'</a>
??	<a href="#">PSLV</a>		ScatSat, NovaSAR

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## 2020.

Jan??	<a href="#">Falcon 9</a>	<a href="#">Dragon</a> SpX-20
Feb??	H-2B (F10)	HTV9
Feb??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-21
Feb??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 14
<b>Mar30.</b>	<b><a href="#">Soyuz 2-1A</a></b>	<b><a href="#">Soyuz MS 15 (S62/63)</a></b>
	CDR: <b>Рыжиков</b> (Sergei Ryshikov), Jessica <b>Meir</b> (NASA), Soichi <b>Noguchi</b> (JAXA)	
Mar??	<a href="#">Delta IV</a> -M	DMSP-5D3 F20
Mar??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K1 / 22
??	CZ-5	Tian He Space Station Core Module
Apr??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M23, Beidou 3 MEO M24
Apr??	Angara-1.2/AM <a href="#">Gonets</a> x 3 (No 30,31,32)	
??	CZ-5B	Wentian Lab module Space station module
??	CZ-2F/G	SZ-12 Shenzhou-12
May??	<a href="#">Atlas 5</a> 402	USCV-4 (US Commercial Vehicles)
May??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 15



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??	<a href="#">CZ-3B/G2</a>	ZX-18 Zhongxing-18
June??	SLS-1	Orion (unmanned trip around the Moon)
Orbit (DRO)	Tactical DRM	Exploration Mission 1 (Distant Retrograde)
June??	Ariane	MTG-S1/Sentinel-4A
June??	<a href="#">CZ-3C</a>	Beidou 3 G3Q
June??	Vega_C	Space Rider flight 1
<b>July16</b>	<b>Ariane 62</b>	<b>Galileo-FOC FM23, Galileo-FOC FM24</b>
<b>July24.</b>	<b><a href="#">Proton-M/Briz-M</a></b>	<b>ExoMars (CM+DM)</b> 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??	<a href="#">Atlas 5</a> (541)	<a href="#">Mars 2020 rover</a> 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??	<a href="#">CZ-3C</a>	Beidou 3 G2Q
??	CZ 5	<a href="#">Mars probe</a> (orbiter + lander + rover)
??	Vega-C	Pleiades Neo 1, Pleiades Neo 2
<b>Sep30.</b>	<b>Soyuz 2-1A</b>	<b><a href="#">Soyuz MS 16 (S63/64)</a></b>
Sep??	CZ	CBERS-6
Sep??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 15
??	CZ-2F/G	SZ-13 Shenzhou-13
??	<a href="#">Falcon 9</a>	GPS IIIA-5
Oct??	Vega	Proba 3
Nov??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-5 (US Commercial Vehicles)
Nov??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 16</a>
<b>Dec15.</b>	<b><a href="#">Atlas 5</a></b>	<b>Landsat 9</b>
??	GSLV-Mk III.	Dr B N Suresh and Mr Madan Lal, Vikram Sarabhai Space Centre (VSSC) presented the concept for the manned space mission including the development of an autonomous Orbital Vehicle (4,000kg manned capsule).
??	??	SWOT
??	??	PACE
??	??	EX-4
??	??	ACE
??	??	HyspIRI
??	Antares	IMAP/STP-05
??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-22
??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> OA-12



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??	<a href="#">Falcon H</a>	ViaSat 3
??	<a href="#">Falcon 9</a>	KPLO (Korea Pathfinder Lunar Orbiter)
??	<a href="#">Proton-M</a>	HƏM-1
??	<a href="#">Soyuz-2-1B/ Fregat-M</a>	Glonass M 55
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Glonass-M/</a> 53
??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass M/ 58
??	<a href="#">Soyuz-2-1B/Fregat</a>	Glonass M / 59
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Resurs PM - 1</a>
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-3
??	<a href="#">Angara 1.2</a>	Kompsat-6
??	<a href="#">Soyuz-2-1A/Fregat-M</a>	<a href="#">Gonets</a> x 6
??	<a href="#">Proton-M/Briz-M</a>	AOneSat-1
??	<a href="#">Proton-M/Briz-M</a>	Terrestar-2
??	<a href="#">Proton-M/Briz-M</a>	SkyTerra 2
??	<a href="#">Soyuz-2-1A/Fregat</a>	Resonance 1A, Resonance 1B
RESONANCE is a project to study Earth's magnetosphere consisting of four similar satellites.		
??	<a href="#">Soyuz-2-1B</a>	Lotos S1
??	<a href="#">Soyuz-2-1B</a>	Persona
??	<a href="#">Soyuz-2-1A</a>	Kobalt M
??	<a href="#">Soyuz-2-1A</a>	Foton M
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картограф-ОЭ №1
??	<a href="#">Vega</a>	Sentinel-2C
??	<a href="#">Vega</a>	Sentinel-3C
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b
??	<a href="#">Ariane 5</a>	Arsat 3
??	CZ5	Chang'e-6
??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	<a href="#">CZ-3B/</a> Palapa 1N	
??	??	Hainan-1 (4)
??	??	Hainan-1 (5)
??	??	Hainan-1 (6)
??	??	Sanya-1 (1)
??	??	Sanya-1 (2)
??	<a href="#">GSLV</a> MK III	MOM-2 Follow on Mars Mission
??	H-IIA	<a href="#">Hope</a> (UAE mission to Mars)
??	H-IIA	Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon)
??	H-IIA	Inmarsat-6 F1



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## 2021.

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

?? [Soyuz-2](#) [Progress MS 17](#)

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

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

Apr?? [Soyuz ST](#) B/[Fregat](#) M MarcoPolo-R

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

June?? [Soyuz ST](#) B/[Fregat](#) MT Euclid

Euclid will depart Earth on a Soyuz rocket launched from French Guiana and head for the L2 Lagrange point.

?? CZ7 TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)

?? [Soyuz-2](#) [Progress MS 18](#)

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

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

July?? [Vega](#) Biomass

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

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

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

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

?? [Ariane 5](#) MTG-I1

?? [Atlas 5](#) 552 Dream Chaser Cargo System SNC-2

?? [Falcon 9](#) GPS IIIA-6

?? [Falcon 9](#) GPS IIIA-7

?? [Falcon 9](#) GPS IIIA-8

?? [Soyuz-2](#) [Progress MS 19](#)

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

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

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

?? [Soyuz-2-1B](#)/[Fregat](#)-M Meteor M No2-4

?? [Angara](#) 1.2 [Gonets](#) x 3

?? [Proton-M](#)/[Briz-M](#) Ekspress-RV1, Ekspress-RV2

?? [Proton-M](#)/[Briz-M](#) Ekspress AMU 4

?? [Soyuz-2-1B](#)/[Fregat](#)-M Smotr R №1

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

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

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



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?? [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. CZ 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 Cis lunar) 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 (unmaned)

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

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

?? [Falcon 9](#) GPS IIIA-9/GPS IIIB-1  
 ?? [Falcon 9](#) GPS IIIA-10/GPS IIIB-2

?? [Proton-M/Briz-M](#) Ekspress – AMU 5





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??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AMU 6
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – RV 3, Ekspress – RV 4
??	<a href="#">Angara 1.2</a>	<a href="#">Gonets</a> x 3
??	<a href="#">Proton-M/Briz-M</a>	Eutelsat
??	<a href="#">Proton-M/Briz-M</a>	Intelsat
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Smotr R №2
??	<a href="#">Soyuz-2-</a>	Razdan 2
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 5

??	<a href="#">Ariane 5</a>	Moon's south pole samples return mission
??	<a href="#">Vega</a>	Jason-CS B
??	Ariane 5	ATHENA

??	CZ	HY-3C Haiyang-3C
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## 2023.

??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 23</a>
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<b>Mar30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 21</a>
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??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-16 Shenzhou-16

May??	<a href="#">Atlas 5 402</a> / <a href="#">Falcon 9</a>	USCV-10 (US Commercial Vehicles)
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??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 24</a>
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<b>Sep30.</b>	<a href="#">Soyuz-2-1A</a>	<a href="#">Soyuz MS 22</a>
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??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 25</a>
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Nov??	<a href="#">Atlas 5 402</a> / <a href="#">Falcon 9</a>	USCV-11 (US Commercial Vehicles)
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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.

??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AT3, AT4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 3
??	<a href="#">Angara 1.2</a>	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2-1B</a>	Obzor R -2
??	<a href="#">Soyuz-2-1B</a>	Obzor O -1
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Ellips - 1
??	<a href="#">Angara A5P/DM03</a>	Dopler 1, 2
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-5
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 3

??	<a href="#">Vega</a>	Sentinel-2A 2nd Gen
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??	CZ	SPORT (Solar Polar Orbit Radio Telescope)
??	CZ	FY-4D Fengyun-4D



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??	<a href="#">GSLV</a> MK III	Mission to Venus
??	<a href="#">Angara</a> A5P/DM03	Lutch 5 – 2
??	<a href="#">Soyuz-2</a> -1b	Bion-M No. 2
??	<a href="#">Angara</a> A5P/DM03	Lutch 5 – 3
??	??	Ямал GK 2

## 2024

**Mar30.**      [Soyuz-2-1A](#)                      [Soyuz MS 23](#)

??              CZ7                      TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)

May??        [Atlas 5](#) 402 / [Falcon 9](#)                      USCV-12 (US Commercial Vehicles)

**Sep30.**      [Soyuz-2-1A](#)                      [Soyuz MS 24](#)

Oct??        EELV                      GOES-U

??              SLS Block IA II                      Orion: Exploration Mission 4 (Crew to Cislunar)

??              Sunkar                      Federatsia (Light 14t – 2 man to ISS)

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

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

??              [Soyuz-2](#)                      [Progress MS](#) 28

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

??              [Proton-M](#) / DM-03                      Spektr - UF

??              [Soyuz-2-1B/Fregat](#)-M      Resurs PM - 4

??              [Angara](#) 1.2                      [Gonets](#) x 2, Gonets M

??              [Soyuz-2-1B/Fregat](#)-M      Arktika M 4

??              ??                      Ямал GK VEO 1

??              [Soyuz-2-1A](#)                      Obzor P -1

??              [Soyuz-2-1B/Fregat](#)-M      Razdan - 3

??              [Soyuz-2-1B/Fregat](#)-M      Meteor M No2-6

??              ??                      DYNAMIC/STP-06

??              CZ                      Asteroid (Ceres) Sample Return Mission

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

## 2025

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

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

??              [Soyuz-2](#)                      [Progress MS](#) 29



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??	SLS Block I	Europa Clipper
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resonans 2A, 2B, MKA-PN5
??	??	Ямал GK VEO 2
??	??	Ямал GK VEO 3
??	<a href="#">Angara 1.2</a>	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 5
??	<a href="#">Soyuz-2-1B</a>	Obzor O -2
??	<a href="#">Soyuz-2-1b</a>	Bion-M No. 3
??	CZ	Chang'e-7 (Moon south pole landing)

### 2026.

June??	<a href="#">Angara</a> 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)
??	<a href="#">Angara</a> A5P/DM03	Bumerang (FobosGrunt 2)

### 2069.

??	??	<a href="#">Interstellar mission</a>
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