



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (01.05.2016.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 01.May.2017.

**May01.** 1100UTC [Falcon 9](#) [NROL 76](#)

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

**May04.** 2031UTC [Ariane 5](#) ECA (VA236) [SGDC 1](#) / [Koreasat-7](#) (Mugungwa 7)

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

**May05.** 1127UTC [GSLV MK II](#) F09 [GSAT-9](#)

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

**May13.** [CZ-3B/YZ-1](#) [Beidou 3](#)

Launch site: [Xichang](#), China

**May15.** 2320UTC [Falcon 9](#) FT [Inmarsat 5 F4](#)

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

**May18.** 1447UTC [Soyuz ST B/Fregat-MT](#) (VS17) [SES 15](#)

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

**May31.** 2330UTC [Falcon 9](#) [Dragon SpX-11](#) (CRS11)

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

May?? [PSLV](#) C38 [Cartosat-2E](#)

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

May?? [CZ-2C](#) ??

Launch site: [Xichang](#), China

**June01.** 0020UTC [H-2A](#) [QSZ-2](#)

Launch site: [Tanegashima](#), Japan

**June01.** [Ariane 5](#) (VA237) [ViaSat-2](#) / [Eutelsat 172B](#)

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

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**June14.** 0920UTC [Soyuz-2 1A](#) [Progress MS 6](#)

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

**June28.** [Ariane 5](#) ECA (VA238) [EuropaSat \(HellasSat 3\)](#) / [GSAT-17](#)

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

**June29.** [Soyuz-2 1A](#) / [Fregat M](#) [Kanopus V IK](#)

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

**June29.** [Falcon 9](#) FT [Iridium Next Flight 2 \(x10\)](#)

Launch site: [Vandenberg](#), USA

June?? [Proton-M/Briz-M](#) [Blagovest \(14Φ149\)](#)

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



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June?? [CZ-2D](#) Hard X-ray Modulation Telescope (HXMT)  
 HXMT comprises three to four single telescopes equipped with hard X-ray detectors, instead of optical lenses, and will be used to observe space black holes.  
 Launch site: [Jiuquan](#), China

June?? [GSLV](#) MK III D1 GSAT-19E  
 Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

June?? [Proton-M/Briz-M](#) [EchoStar 21](#)  
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

June??	<a href="#">CZ-3B/E</a>	Alcomsat-1	
June??	LS-1	LandSpace-1	100
June??	CZ-5	SJ-18 (DFH5 bus)	
June??	<a href="#">CZ-2D</a>	Shaonian Xing	
June??	<a href="#">Falcon 9</a> FT	Intelsat 35e	
June??	<a href="#">Falcon 9</a> FT	SES 11	
June??	<a href="#">Falcon 9</a> FT	BulgariaSat	

**July15. 0500GMT Minotaur-4/Orion 38ORS-5: SensorSat**

**July22. [Falcon 9](#) FT Formosat 5**

**July25. [Vega](#) (VV10) Venüs, OPTSAT 3000**

**July28. 1541UTC [Soyuz-2 1A](#) [Soyuz MS 5](#) (S52/53)**  
 CDR: Сергей Николаевич РЯЗАНСКИЙ (Sergei N. Ryazansky), Paolo Nespoli (ESA), Randolph J. Bresnik

July??	<a href="#">Falcon 9</a> FT	KoreaSat 5A	90
July??	<a href="#">CZ-3B/G2</a>	ZX-9A Zhongxing-9A	
July??	<a href="#">Proton-M/Briz-M</a>	Amazonas 5	

**Aug01. [Falcon 9](#) FT [Dragon](#) SpX-12**

**Aug03. 1240UTC [Atlas 5](#) 401 (AV075) TDRS-M**

**Aug14. [Atlas 5](#) 541 NROL-42 Trumpet Follow On 2**

**Aug16. [CZ-2D](#) ZH-1 Zengheng 1 (ESEM experimental satellite on Electromagnetism Monitoring), Ministar-1**

**Aug24. [Falcon 9](#) FT [Iridium Next](#) Flight 3 (x10)**  
 Launch site: [Vandenberg](#), USA

**Aug31. [Atlas 5](#) 421 (AV076) NROL-52 (Quasar 21)**

Aug??	<a href="#">CZ-2D</a>	Fengmaniu-1	
Aug??	<a href="#">Rokot / Briz KM</a>	Sentinel-5 Precursor	80
Aug??	Pegasus-XL	ICON (Helio EX-1)	
Aug??	<a href="#">Proton-M/Briz-M</a>	Kosmos	

??	Epsilon (Jap)	ASNARO 2
??	<a href="#">Ariane 5</a> ECA	Al Yah 3
??	<a href="#">Ariane 5</a> ECA	BSat 4a



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**Sep12.**      [Soyuz-2 1A](#)    [Soyuz MS 6 \(S53/54\)](#)  
 CDR: Александр Александрович **МИСУРКИН** (Aleksandr A. **Misurkin**), Mark T. **Vande Hei**, Joseph M. **Acaba**

**Sep23.**      **Delta II 7920-10C**    [JPSS-1](#)

Sep??      [CZ-2D](#)                      VRSS-2 (Bolivia Remote Sensing Satellite)  
 Sep??      [CZ-3B/G2](#)                    ZX-6C Zhongxing-6C  
 Sep??      [CZ-2D](#)                      GF-5 Gaofen-5                      70  
 Sep??      Zenit 3-SLB / DM-SLB      AngoSat  
 Sep??      [CZ-4B](#)                      FY-3D Feng Yun-3D  
 Sep??      [CZ-3B](#)/YZ-1                [Beidou 3](#) MEO M3, [Beidou 3](#) MEO M4  
 Sep??      [GSLV](#) MK II F11            GSAT-6A  
 Sep??      Minotaur-C XL SkySat 8/9/10/11/12

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

??            [Falcon 9](#) FT                SES-16  
 ??            [Rokot / Briz KM](#)Geo IK 2  
 ??            [PSLV](#)                        IRNSS-1H

**Oct01.**      [Antares 230](#)                [Cygnus Orb-8](#)                      60

**Oct11.**      [Atlas 5 \(531\) \(AV074\)](#)      **AEHF-4**

**Oct12.**      [Soyuz-2 1A](#)                [Progress MS 7](#)

**Oct18.**      [Delta IV-M+\(5,2\)](#)        **NROL-47 (Topaz 5)**

Oct??      [Falcon 9](#) FT                SAOCAM 1A  
 Oct??      [Ariane 5](#)                    Hylas 4  
 Oct??      CZ-11                        TY-2, 3, 4, 5 Tianyi  
 Oct??      [Falcon 9](#) FT                [Iridium Next](#) Flight 4 (x10)  
 Oct??      [CZ-3B](#)/YZ-1                [Beidou 3](#) MEO M5, [Beidou 3](#) MEO M6  
 Oct??      [Proton-M/Briz-M](#)            AsiaSat-9  
 Oct??      Falcon H                    Demo Flight                      50

**Nov01.**      [Falcon 9](#) FT                [Dragon SpX-13](#)

**Nov09.**      [Atlas 5 401 \(AV078\)](#)      **SBIRS-GEO 4**

Nov??      [Falcon 9](#)                    Dragon v2 unmanned test  
 Nov??      [Rokot / Briz KM](#)            Sentinel 3B  
 Nov??      CZ-5                        Chang'e-5 (Sample return)  
 Nov??      [Vega](#) (VV11) Aeolus / ADM

??            [Ariane 5](#) ES                [Galileo-FOC](#) FM15 (Nicole), [Galileo-FOC](#) FM16 (Zofia), [Galileo-FOC](#) FM17  
 (Alexandre), [Galileo-FOC](#) FM18 (Irina)

??            [Falcon 9](#) FT                SES-14 / GOLD  
 ??            [Proton-M](#)/ DM 3            Electro-L N3

**Dec16.**      [Falcon 9](#) FT                **Bangabandhu-1**                      40



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## ¿?Dec27. [Soyuz-2 1A](#) [Soyuz MS 7 \(S54/55\)](#)

CDR: Alexander **Skvortsov**, Norishige **Kanai**, Scott **Tingle**

### Dec28.

#### [PSLV](#)

#### Team Indus

Dec??	<a href="#">CZ-2D</a>	GJ-3 GaoJing-3, GJ-4 GaoJing-4
Dec??	<a href="#">Falcon 9</a> FT	Grace-FO
Dec??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M-2-1, two MKA N, Ionosfera 1, Ionosfera 2
Dec??	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 5 (x10)
Dec??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M7, <a href="#">Beidou 3</a> MEO M8
Dec??	<a href="#">CZ-3C</a>	<a href="#">Beidou 3</a> G8
Dec??	<a href="#">Ariane 5</a> ECA	GSAT-11
Dec??	<a href="#">Proton-M/ DM 3</a>	Kosmos <b>30</b>
Dec??	<a href="#">Soyuz-2</a> 1A / Fregat	Kanopus V 3, Kanopus V 4

??	<a href="#">Falcon 9</a> FT	PSN VI
??	<a href="#">Falcon 9</a> FT	PAZ
??	Falcon Heavy	STP-02

?? [Soyuz-2-1V](#) Kosmos 14F150 (geodesy??)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M/](#) 56  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? [Soyuz-2-1B/ Fregat](#) [Tundra 2](#)  
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

??	<a href="#">Proton-M/ DM-03</a>	<a href="#">Glonass-M/</a> ??
??	<a href="#">Soyuz-2-1B</a>	Labirint 11
??	<a href="#">Zenit 3 SL /Fregat-SB</a>	Lybid' <b>20</b>
??	<a href="#">Soyuz-2-1B</a>	Pion
??	<a href="#">Angara</a> 1.2	Kosmos

??	<a href="#">Ariane 5</a> ECA	SES 12
??	<a href="#">Ariane 5</a> ECA	Azerspace 2 (Intelsat 38)

?? CZ-?? [CAS-4A, CAS-4B](#)  
Launch site: [Taiyuan](#), China

??	<a href="#">CZ-3A</a>	FY-2H Fengyun-2H
??	<a href="#">CZ-2D</a>	GF-6 Gaofen-6

??	CZ-2	CAS-2A1, CAS-2A2
??	CZ	YG-32 Yaogan Weixing 31
??	CZ	YG-32 Yaogan Weixing 32 <b>10</b>
??	CZ	Orbita-1 1

??	<a href="#">CZ-2D</a>	SaudiSAT 5B
??	<a href="#">CZ-2D</a>	JL-3 Jilin-3

??	??	LJ-1 Luojia-1
??	CZ	Tianyi
??	<a href="#">CZ-4C</a>	Hede-1



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?? [PSLV](#) IRNSS-1I  
 ?? [H-2A](#) [IGS Optical-6](#)  
 ?? [Simorgh](#) [Dosti](#)  
 Launch site: [Semnan](#), Iran

4 + (24)  
 22 + (120)

## 2018.

Jan?? [Vega](#) Seosat (Ingenio) 140  
 ?? [Soyuz-2-1B/Fregat-M](#) [Glonass-M](#)/ 52  
 ?? [Falcon 9](#) FT Telstar 18  
 ?? [Falcon 9](#) FT Telstar 19  
 Feb?? [Falcon 9](#) FT [Dragon](#) SpX-14  
 Feb?? [Soyuz-2](#) 1A [Progress MS](#) 8  
 Feb?? [Falcon 9](#) FT [Iridium Next](#) Flight 6 (x10)  
 Feb?? [CZ-3B/YZ-1](#) Beidou 3 MEO M9, Beidou 3 MEO M10  
 Feb?? H-2B (F7) HTV7  
 ?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13  
 ?? [Soyuz-2-1B/Fregat-M](#) Meteor M-2-2, Ionosfera 3, Ionosfera 4  
 ?? [Soyuz ST](#) B/Fregat-MT O3b  
 ?? [Ariane 5](#) ECA EDRS-C (Hylas 3)

**Mar15.** [CZ-3B/GII](#) **APStar-6C**

**Mar20.** [Falcon 9](#) FT **TESS**

**Mar30.** [Soyuz-2 1A](#) [Soyuz MS 8 \(S55/56\)](#)  
 CDR: ??, Andrew **Feustel**, Ricky **Arnold**

Mar?? [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.

Mar?? [PSLV](#) Cartosat-3  
 Mar?? [Atlas 5](#) (541) GOES-S  
 Mar?? [Atlas 5](#) 551 AFSPC-11  
 Mar?? [Antares](#) 230 [Cygnus](#) Orb-9 120  
 Mar?? [Soyuz ST](#) B/Fregat-MT OneWeb smalsat (x10)  
 Mar?? [CZ-3B/YZ-1](#) Beidou 3 MEO M11, Beidou 3 MEO M12  
 ?? [Soyuz-2-1B/ Fregat-M](#) Glonass M 55  
 ?? [Delta IV-M+\(4,2\)](#) GPS III-1  
 ?? [GSLV](#) MK III D2 GSAT-20  
 ?? SS-520-5 TRICOM 1 R  
 ?? [GSLV](#) Mk II D9 Chandrayaan 2



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India's second mission to the moon called *Chandrayaan - II* is likely to be launched by GSLV MkII. The project will include a robotic vehicle that will move around on after achieving a soft landing on the moon.

Apr?? [Falcon 9](#) FT [Dragon](#) SpX-15  
 Apr?? [Soyuz-2](#) 1A [Progress MS](#) 9  
 Apr?? [Falcon 9](#) FT [Iridium Next](#) Flight 7 (x10)

**May05.** [Atlas 5](#) 401 **InSight**  
 Launch site: [Vandenberg](#), USA

**May30.** [Soyuz-2](#) 1A [Soyuz MS 9 \(S56/57\)](#)  
**CDR:** Александр Михайлович **Самокутяев** (Aleksander M. **Samokutyev**), Jeanette J. **Epps**, Alexander **Gerst**

May?? [Falcon 9](#) GPS IIIA-2  
 May?? [Falcon 9](#) Dragon v2 manned test  
 May?? [Ariane 5](#) ECA GEO-KOMPSAT-2A  
 May?? [CZ-3B/YZ-1](#) Beidou 3 MEO M13, Beidou 3 MEO M14

June?? CZ L2 Chang'e 4 communications relay satellite  
 June?? CZ-2C Pakistani Remote Sensing Satellite (PRSS) 1  
 ?June?? [Atlas 5](#) 422 CST-100 Starliner (unmanned test)  
 June?? Delta II 7320-10C ICESat-II 100  
 June?? [Proton-M](#) MLM

?? [Proton-M](#) PTK NP  
 ?? [Vega](#) TARANIS  
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 15  
 ?? [Soyuz ST](#) CSO 1  
 ?? [Vega](#) Prisma  
 ?? [Vega](#) Cosmo-SkyMed Secon Gen 1 CSG-1

July?? [PSLV](#) Oceansat-3

Aug?? [Soyuz ST](#) B/[Fregat](#)-MT EarthCare  
 Aug?? [Falcon 9](#) FT [Dragon](#) SpX-16  
 Aug?? [Atlas 5](#) 422 CST-100 Starliner (manned test)  
 Aug?? [CZ-3C](#) Beidou 2 I7

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 16  
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M **Ekspress-RV1**

**Sep30.** [Soyuz-2](#) 1A [Soyuz MS 10 \(S57/58\)](#)  
**CDR:** Геннадий Иванович **Падалка** (**Padalka**), **Бабкин** (Andrei **Babkin**), Nick **Hague**

Sep?? [Atlas 5](#) 402 / [Falcon 9](#) v1.1 USCV-1 (US Commercial Vehicles)  
 Sep?? [CZ-3B/YZ-1](#) Beidou 3 MEO M15, Beidou 3 MEO M16

?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)  
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 17 80

**Oct15.** [Ariane 5](#) ES **JWST (James Webb Space Telescope)**

**Oct16.** [Soyuz-2](#) [Progress MS](#) 11

**Oct31.** [Atlas 5](#) [Solar Orbiter](#) (SoIo) (ESA)



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Oct??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-17
Oct??	<a href="#">Ariane 5</a>	<a href="#">BepiColombo</a> ESA and ISAS Mercury Orbiters
Oct??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> Orb-10
Oct??	<a href="#">Soyuz ST</a> B/Fregat-M	MetOp-C
Oct??	<a href="#">CZ-3C</a>	Beidou 3 G1Q
Oct??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 11

??	<a href="#">Proton-M/</a> DM-03	<a href="#">Glonass-M/K18,K19,K20</a>
??	<a href="#">Ariane 5</a> ECA	Intelsat 39
??	<a href="#">Ariane 5</a>	Horizon 3e
??	<a href="#">Falcon 9</a> FT	ORS-6

**Nov30. [Soyuz-2 1A](#) [Soyuz MS 11 \(S58/59\)](#)  
**CDR: Кононенко (Oleg Kononenko)**, Serena **Auñón-Chancellor**, David **Saint-Jaques** (Can)**

??	Minotaur 1	NROL 111
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)

??Nov?? SLS-1 Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM)

Dec??	<a href="#">CZ-3B/GIII</a>	Chang'e-4 (Moon far side Aitken Basin lander/rover)
Dec??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-18
Dec??	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> OA-11 <span style="float: right;">60</span>
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	v1.1 USCv-2 (US Commercial Vehicles)
Dec??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M17, Beidou 3 MEO M18
Dec??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Resurs N°4</a>
Dec??	??	<a href="#">Korean Pathfinder Lunar Orbiter</a>

??	Falcon H	Circumlunar Dragon V2
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2 / 14
??	<a href="#">Ariane 5</a>	Heinrich Hertz
??	<a href="#">Falcon 9</a> v1.2	Radarsat Constellation Mission (x3)
??	<a href="#">Falcon 9</a> v1.2	OHB SARah satellite (x2)
??	<a href="#">Falcon 9</a> v1.2	WGS 10
??	Minotaur-4	FORMOSAT-7 (6 sat)
??	<a href="#">Atlas 5</a> 551	AFSPC-7
??	??	Landsat 9
??	??	AEHF 5
??	<a href="#">Falcon 9</a> FT	Es'hail 2
??	<a href="#">Falcon 9</a> v1.2	Dragon v2

??	<a href="#">Soyuz-2</a> 1B	Progress M-UM
??	<a href="#">Soyuz-2</a> 1A / Fregat	Kanopus V 5, Kanopus V 6
??	<a href="#">Proton-M/Briz-M</a>	EutelSat 5 West B / MEV
??	<a href="#">Proton-M/Briz-M</a>	Kosmos <span style="float: right;">40</span>
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 3

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

??	<a href="#">Proton-M/Briz-M</a>	Ямал-601
??	<a href="#">Proton-M/Briz-M</a>	Ямал-GK-1
??	<a href="#">Proton-M/Briz-M</a>	Ekspress 80, Ekspress 100



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??	<a href="#">Proton-M/Briz-M</a>	<a href="#">EgyptSat 3</a>
??	<a href="#">Angara A5/ DM03</a>	Kosmos
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Smotr R №1
??	<a href="#">Soyuz-2-1B/Fregat M</a>	Meridian <a href="#">18L</a>
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Bars-M 3</a>
??	<a href="#">Soyuz-2-1A</a>	<a href="#">Energiya-100</a>
??	<a href="#">Ariane 5</a> ES	<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)	
??	<a href="#">Ariane 5</a> ECA	Intelsat 37e
??	<a href="#">Ariane 5</a> ECA	Hellas-Sat-4
??	<a href="#">Ariane 5</a> ECA	DSN 1 (Superbird-8)
??	<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
??	??	FY-3 Fengyun-3 RM-1
??	??	VeneSat-2
??	<a href="#">CZ-3B/E</a>	CC-1 <a href="#">Changcheng-1</a>
??	CZ-2D	GF-7 Gaofen-7
??	CZ	CBERS-SAR 1
??	CZ	Deep Space Solar Observatory
??	CZ	CBERS-4B
??	<a href="#">CZ-3B/E</a>	SupremeSAT-II
??	<a href="#">CZ-3B/E</a>	CongoSat 1
??	<a href="#">CZ-3B/E</a>	Apstar-6D
??	??	Small Military Meteorological Satellite (x6)
??	CZ	FY-3E Fengyun-3E
??	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-4B	HY-1D Haiyang-1D
??	CZ-4B	HY-2B Haiyang-2B
??	<a href="#">GSLV</a> MK II F12	GSAT-7A
??	<a href="#">GSLV</a> MK II F10	GISAT
??	<a href="#">PSLV</a>	EnMap
??	<a href="#">Safir 1 B</a>	Tadbir
??	Safir 3A	Pars sepher
??	Tronador II/VEX5	TBD (suborbital)
Launch site: Puerto Belgrano, Argentina		

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2019.





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Feb??	<a href="#">CZ-3C</a>	Beidou 3 I1Q
Feb??	<a href="#">Falcon 9</a>	GPS IIIA-3
Feb??	H-2B (F9)	HTV8
Feb??	Delta 4-H	Solar Probe Plus

## Mar30. [Soyuz-2 1A](#) [Soyuz MS 12](#)

CDR: ??, [Кудь-Сверчков/Матвеев](#) (Serguei [Kud'-Sverchkov](#)/Denis [Matveev](#)), NASA

??	<a href="#">Proton-M</a>	DM3 3xGlonass K2 / K19, K20, K21
??	CZ-5	Tian He Space Station Core Module

Apr??	??	GOES-T
Apr??	Epsilon SLIM (Smart Lander for Investigating Moon)	
Apr??	<a href="#">CZ-3B/E</a>	Nicasat 1
Apr??	<a href="#">CZ-3C</a>	Beidou 3 I2Q

??	CZ7	TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-12 Shenzhou-12

May??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-19
May??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a> v1.1	USCV-3 (US Commercial Vehicles)

## June30. [Soyuz-2 1A](#) [Soyuz MS 13](#)

June??	<a href="#">Atlas 5</a> 401	STP-03
June??	<a href="#">Ariane 5</a>	MTG-I1

??	<a href="#">PSLV</a>	RISAT 1A
??	<a href="#">CZ-3B/G2</a>	TECSTAR 1

July??	<a href="#">CZ-3C</a>	Beidou 3 I3Q
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## Sep30. [Soyuz-2 1A](#) [Soyuz MS 14](#)

Sep??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K1 / 22
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??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-20
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Oct??	<a href="#">Atlas 5</a> 552	Dream Chaser Cargo System
Oct??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M19, Beidou 3 MEO M20

## Nov29. [Soyuz-2 1a](#) / [Fregat](#) [Luna 25 \(Luna-Glob-1\)](#)

??	Vega	Proba 3
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Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a> v1.1	USCV-4 (US Commercial Vehicles)
Dec??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M21, Beidou 3 MEO M22

??	<a href="#">Falcon 9</a> v1.1	Astrium active SARah satellite
??	<a href="#">Falcon 9</a>	GPS IIIA-6
??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-7
??	<a href="#">Falcon 9</a> v1.2	GPS IIIA-8
??	<a href="#">Delta IV</a> -M+(4,2)/ <a href="#">Atlas 5</a> 421	GPS IIIA-9/GPS IIIB-1
??	<a href="#">Delta IV</a> -M+(4,2)/ <a href="#">Atlas 5</a> 421	GPS IIIA-10/GPS IIIB-2





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??	<a href="#">Soyuz-2-1B</a>	Persona
??	<a href="#">Soyuz-2-1A</a>	Kobalt M
??	<a href="#">Soyuz-2-1A</a>	Foton M
??	<a href="#">Soyuz-2-1B</a>	Persona – 3
??	??	Zond
??	??	MKA PN6 (Monika)
??	??	Картограф-0Э №1
??	<a href="#">Proton-M</a>	НЭМ-1
<b>2020.</b>		
July??	<a href="#">CZ-3C</a>	Beidou 3 G2Q
<b>Mar30.</b>	<b>Soyuz 2-1A</b>	<b>Sojuz MS-15</b>
Mar??	<a href="#">Delta IV-M</a>	DMSP-5D3 F20
Mar??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K1 / 22
Apr??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M23, Beidou 3 MEO M24
??	CZ-5B	Wentian Lab module    Space station module
??	CZ7	TZ 3 Tianzhou 3 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-13 Shenzhou-13
??	<a href="#">CZ-3B/G2</a>	ZX-18 Zhongxing-18
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a> v1.1	USCV-5 (US Commercial Vehicles)
June??	Ariane	MTG-S1/Sentinel-4A
June??	<a href="#">CZ-3C</a>	Beidou 3 G3Q
??	<a href="#">Soyuz ST B/Fregat-MT</a>	MetOp-SG A1/EPS-SG-a/Sentinel-5A
??	<a href="#">Proton-M/Briz-M</a>	ExoMars (CM+DM)

July??    Atlas V (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.

??    CZ 5    [Mars probe](#) (orbiter + lander + rover)

Aug05.    [Proton-M/Briz-M](#)    ExoMars    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.

**Sep30.**    **Soyuz 2-1A**    **Sojuz MS-16**

Sep??    CZ    CBERS-6  
 Sep??    [Soyuz-2-1B/Fregat-M](#)    Glonass K2 / 15

Dec??    [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.



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Dec?? Atlas V Landsat 9  
 Dec?? [Atlas 5](#) 402 / [Falcon 9](#) v1.1 USCV-6 (US Commercial Vehicles)

?? 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  
 ?? ?? HypIRI  
 ?? Antares IMAP/STP-05

?? Falcon H ViaSat 3

?? [Soyuz-2](#) [Progress MS](#) 14  
 ?? [Soyuz-2](#) [Progress MS](#) 15  
 ?? [Soyuz-2](#) [Progress MS](#) 16

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

?? [Proton-M/Briz-M](#) Ekspress - 103

?? [Soyuz-2-1B/Fregat-M](#) Arktika M 3  
 ?? [Soyuz-2-1B/Fregat-M](#) Glonass K2  
 ?? [Soyuz-2-1B/Fregat-M](#) [Resurs PM - 1](#)  
 ?? [Soyuz-2-1B/Fregat-M](#) Meteor M No2-3  
 ?? [Angara](#) 1.2 Kompsat-6

?? [Vega](#) Sentinel-2C  
 ?? [Vega](#) Sentinel-3C  
 ?? ?? Biomass  
 ?? ?? Seosat-Ingenio-2  
 ?? ?? EPS-SG-b

?? CZ Recoverable Moon Probes  
 ?? CZ Two Meter Space Telescope  
 ?? CZ FY-4C Fengyun-4C  
 ?? [GSLV](#) MK III MOM-2 Follow on Mars Mission  
 ?? H-IIA [Hope](#) (UAE mission to Mars)  
 ?? CZ HY-3B Haiyang-3B

## 2021.

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

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

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

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

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

?? CZ TZ 4 Tianzhou 4 (Logistic Cargo Vechile)



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??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 18	
??	CZ-2F/G	SZ-14	Shenzhou-14
July??	Vulcan/Minotaur 6/ <a href="#">Falcon 9</a> v1.1		JPSS-2
Aug??	SLS Block I	Orion: Exploration Mission 2 (Crew to Cislunar) Mission)	
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b>Sojuz MS-18</b>	
Oct??	<a href="#">Atlas 5</a> 401/ <a href="#">Falcon 9</a> v1.1		JPSS Free Flyer 2 (TSIS-2)
Oct??	<a href="#">Angara</a> A5P		Federatsia (unmanned)
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>		USCV-8 (US Commercial Vehicles)
??	SLS Block I		Europa Clipper
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 19	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Transformable Modul	TM
??	<a href="#">Soyuz-2</a> 1b	Luna 27 (Luna-Resurs PA)	Testing an adaptive landing mode with a radio-beacon; delivering a rover
??	<a href="#">Proton-M</a> / <a href="#">Briz-M</a>		Ekspress – RV1, RV2
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Resurs PM - 2	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Meteor M No2-4	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Meteor M No2-5	
??	<a href="#">Soyuz-2-1B</a> / <a href="#">Fregat</a> -M	Meteor M No3	
??	<a href="#">Angara</a> 1.2		<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2-1B</a>		Obzor R -1
??	<a href="#">Angara</a> A5P/DM03		Lutch 5 – 2
??	??		Ямал GK 1
??	<a href="#">Soyuz-2-1b</a>		Bion-M No. 2
??	<a href="#">Angara</a> A5P/DM03		Enisei A-1
??	<a href="#">Vega</a>	Sentinel-1A 2nd Gen	
??	<a href="#">Soyuz ST</a> / <a href="#">Vega</a>	Merlin	
??	CZ	Venus Global Sensing Probe	
??	CZ	FY-3G Fengyun-3G (Batch 2)	

## 2022.

Jan??      ??      Solar Sentinals

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](#)**      **Sojuz MS-19**

Apr??      [Angara](#) A5/ DM 03      Elektro M – 1-2

??      CZ-5B      Xuntian Lab module      Space station module



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??	CZ7	TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-15 Shenzhou-15
June??	<a href="#">Ariane 5</a> ECA	JUICE (JUperiter ICy moon Explorer)
June??	Ariane 5	MTG-I2
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-9 (US Commercial Vehicles)
Aug??	H2B	Phobos sample return
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b>Sojuz MS-20</b>
Sep??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	MetOp-SG B1
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-10 (US Commercial Vehicles)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 20
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 21
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 22
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AMU 5
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AMU 6
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – RV 4
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Angara</a> A5P/DM03	Lutch 5 – 3
??	??	Ямал GK 2
??	<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
<b>2023.</b>		
<b>Mar30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b>Sojuz MS-21</b>
??	CZ7	TZ 6 Tianzhou 6 (Logistic Cargo Vehicle)
??	CZ-2F/G	SZ-16 Shenzhou-16
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-11 (US Commercial Vehicles)
<b>Sep30.</b>	<b><a href="#">Soyuz-2-1A</a></b>	<b>Sojuz MS-22</b>
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-12 (US Commercial Vehicles)
??	SLS Block IA II	Orion: Exploration Mission 3 (Crew to Cislunar)
??	<a href="#">Angara</a> A5P	Federatsia (unmanned flight to ISS)
??	<a href="#">Angara</a> A5P	Federatsia (Light 14t – 2 man to ISS)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 23
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 24
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 25



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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</a> 1.2	<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</a> A5P/DM03	Dopler 1, 2
??	<a href="#">Vega</a>	Sentinel-2A 2nd Gen
??	CZ	SPORT (Solar Polar Orbit Radio Telescope)
??	CZ	FY-4D Fengyun-4D
??	CZ5	Chang'e-6 (Moon far side sample return)
??	<a href="#">GSLV</a> MK III	Mission to Venus

## 2024

<b>Mar30.</b>	<a href="#">Soyuz-2-1A</a>	<b>Sojuz MS-23</b>
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-13 (US Commercial Vehicles)
<b>Sep30.</b>	<a href="#">Soyuz-2-1A</a>	<b>Sojuz MS-24</b>
Oct??	EELV	GOES-U
??	SLS Block IA II	Orion: Exploration Mission 4 (Crew to Cislunar)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 26
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 27
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 28
??	<a href="#">Soyuz-2</a> 1b	Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples

??	<a href="#">Proton-M/Briz-M</a>	Ekspress – AMU 9
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor MP No1
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 2, Gonets M
??	<a href="#">Angara</a> A5P/DM03	Lutch 5 – 4
??	??	Ямал GK 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 4
??	<a href="#">Angara</a> A5P/DM03	Bumerang (FobosGrunt 2)
??	??	DYNAMIC/STP-06
??	CZ	Asteroid (Ceres) Sample Return Mission
??	Lapan	Pengorbitan-1 (RPS-01) (Indonesia)

## 2025



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??	SLS Block IA II	Orion: Exploration Mission 5 (Crew to Cislunar)
??	<a href="#">Soyuz-2</a> -1A	Sojuz MS-25
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 29
??	<a href="#">Angara</a> 1.2	<a href="#">Gonets</a> x 3
??	<a href="#">Soyuz-2</a> -1B	Obzor O -2
??	<a href="#">Soyuz-2</a> -1b	Bion-M No. 3
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Arktika M 5
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Ellips - 2
??	<a href="#">Angara</a> A5P/KVTK	Enisei A-2
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Resonans 2A, 2B, MKA-PN5
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Smotr R №2
??	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)