



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (25.05.2016.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **22.May.2017**.

**May21. 2100UTC Electron "It's a Test"**

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

**May25. 0633UTC [Soyuz-2-1B/ Fregat](#) [Tundra 2](#)**

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

**June01. 0020UTC [H-2A 202 \(F34\)](#) [QSZ-2](#)**

Launch site: [Tanegashima](#), Japan

**June01. 2155UTC [Falcon 9](#) [Dragon SpX-11 \(CRS11\)](#)**

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

**June01. 2345UTC [Ariane 5 \(VA237\)](#) [ViaSat-2 / Eutelsat 172B](#)**

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

**June05. [GSLV MK III D1](#) [GSAT-19E](#)**

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

**June13. [CZ-3B/G2](#) [ZX-9A Zhongxing-9A](#) 110**

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

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

**June15. [Falcon 9 FT \(resused B1029\)](#) [BulgariaSat](#)**

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

**June28. 2120UTC [Ariane 5 ECA \(VA238\)](#) [EuropaSat \(HellasSat 3\)/GSAT-17](#) Launch site: [Kourou](#),**

French Guiana

**June29. 2002UTC [Falcon 9 FT](#) [Iridium Next Flight 2 \(x10\)](#)**

Launch site: [Vandenberg](#), USA

June?? [Proton-M/Briz-M](#) [Blagovest \(14Ф149\)](#)

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

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?? [Proton-M/Briz-M](#) [EchoStar 21](#)

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

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

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

June?? [CZ-3B/E](#) [Alcomsat-1](#)

June?? [LS-1](#) [LandSpace-1](#) 100



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June??	CZ-5	SJ-18 (DFH5 bus)	
June??	<a href="#">CZ-2D</a>	Shaoinian Xing	
??	<a href="#">CZ-2C</a>	??	
Launch site: <a href="#">Xichang</a> , China			
<b>July02.</b>	<a href="#">Falcon 9</a> FT	<b>Intelsat 35e</b>	
<b>July14. 0636UTC</b>	<a href="#">Soyuz-2 1A</a> / <a href="#">Fregat M</a>	<a href="#">Kanopus V IK</a>	
Launch site: Байконур ( <a href="#">Baikonur</a> ) Cosmodrome, Kazakhstan			
<b>July15. 0500GMT</b>	<b>Minotaur-4/Orion 38ORS-5: SensorSat</b>		
<b>July15.</b>	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3 M1&amp; M2</a>	
Launch site: <a href="#">Xichang</a> , China			
<b>July22.</b>	<a href="#">Falcon 9</a> FT	<b>Formosat 5</b>	
<b>July25.</b>	<a href="#">Vega</a> (VV10)	<b>Venµs, OPTSAT 3000</b>	
<b>July28. 1541UTC</b>	<a href="#">Soyuz-2 1A</a>	<a href="#">Soyuz MS 5 (S52/53)</a>	
CDR: Сергей Николаевич <b>РЯЗАНСКИЙ</b> (Sergei N. <b>Ryazansky</b> ), Paolo <b>Nespoli</b> (ESA), Randolph J. <b>Bresnik</b> 90			
July??	<a href="#">Proton-M/Briz-M</a>	Amazonas 5	
<b>Aug01. 2100UTC</b>	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-12	
<b>Aug03. 1240UTC</b>	<a href="#">Atlas 5</a> 401 (AV074)	<b>TDRS-M</b>	
<b>Aug14.</b>	<a href="#">Atlas 5</a> 541	<b>NROL-42 Trumpet Follow On 2</b>	
<b>Aug16. Ministar-1</b>	<a href="#">CZ-2D</a>	<b>ZH-1 Zengheng 1</b> (ESEM experimental satellite on Electromagnetism Monitoring),	
<b>Aug24.</b>	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 3 (x10)	
Launch site: <a href="#">Vandenberg</a> , USA			
<b>Aug31.</b>	<a href="#">Atlas 5</a> 421 (AV075)	<b>NROL-52 (Quasar 21)</b>	
Aug??	<a href="#">CZ-2D</a>	Fengmaniu-1	
Aug??	<a href="#">Proton-M/Briz-M</a>	Kosmos	
Aug??	Pegasus-XL	ICON (Helio EX-1)	
Aug??	<a href="#">Falcon 9</a> FT	KoreaSat 5A	80
Aug??	<a href="#">Falcon 9</a> FT	SES 11	
??	Epsilon (Jap)	ASNARO 2	
??	<a href="#">Ariane 5</a> ECA	Al Yah 3	
??	<a href="#">Ariane 5</a> ECA	BSat 4a	
<b>Sep12.</b>	<a href="#">Soyuz-2 1A</a>	<a href="#">Soyuz MS 6 (S53/54)</a>	
CDR: Александр Александрович <b>МИСУРКИН</b> (Aleksandr A. <b>Misurkin</b> ), Mark T. <b>Vande Hei</b> , Joseph M. <b>Acaba</b>			
<b>Sep12.</b>	<a href="#">Antares</a> 230	<a href="#">Cygnum</a> Orb-8	



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## Sep21. 0948UTC **Delta II 7920-10C** [JPSS-1](#)

Sep??	<a href="#">CZ-2D</a>	VRSS-2 (Bolivia Remote Sensing Satellite)	
Sep??	<a href="#">CZ-3B/G2</a>	ZX-6C Zhongxing-6C	
Sep??	<a href="#">CZ-2D</a>	GF-5 Gaofen-5	70
Sep??	Zenit 3-SLB / DM-SLB	AngoSat	
Sep??	<a href="#">CZ-4B</a>	FY-3D Feng Yun-3D	
Sep??	<a href="#">CZ-3B/YZ-1</a>	<a href="#">Beidou 3</a> MEO M3, <a href="#">Beidou 3</a> MEO M4	
Sep??	<a href="#">GSLV</a> MK II F11	GSAT-6A	
Sep??	Minotaur-C XL	SkySat 8/9/10/11/12	
Sep??	CZ-11	Fengtai Shaonian 02	
Sep??	<a href="#">Rokot / Briz KM</a>	Sentinel-5 Precursor	

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

??	<a href="#">Falcon 9</a> FT	SES-16	
??	<a href="#">Rokot / Briz KM</a>	Geo IK 2	60
??	<a href="#">PSLV</a>	IRNSS-1H	

## Oct11. [Atlas 5 \(531\) \(AV073\)](#) **AEHF-4**

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

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

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

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

## Nov09. [Atlas 5 401 \(AV076\)](#) **SBIRS-GEO 4**

## Nov17. [Antares 230](#) [Cygnum](#) Orb-9

Nov??	<a href="#">Rokot / Briz KM</a>	Sentinel 3B	
Nov??	CZ-5	Chang'e-5 (Sample return)	
Nov??	<a href="#">Vega</a> (VV11)	Aeolus / ADM	

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

??	<a href="#">Falcon 9</a> FT	SES-14 / GOLD	
??	<a href="#">Proton-M/ DM 3</a>	Electro-L N3	40

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

## Dec27. [Soyuz-2 1A](#) [Soyuz MS 7 \(S54/55\)](#) CDR: **Shkaplerov**, Norishige **Kanai**, Scott **Tingle**

## Dec28. [PSLV](#) **Team Indus**



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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	30
Dec??	<a href="#">Proton-M/ DM 3</a>	Kosmos	
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	
??	<a href="#">Soyuz-2-1V</a>	Kosmos 14F150 (geodesy??)	
Launch site: Плесецк ( <a href="#">Plesetsk</a> ) Cosmodrome, Russia			
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	<a href="#">Glonass-M/ 56</a>	
Launch site: Плесецк ( <a href="#">Plesetsk</a> ) 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'	20
??	<a href="#">Soyuz-2-1B</a>	Pion	
??	<a href="#">Angara 1.2</a>	Kosmos	
??	<a href="#">Ariane 5</a> ECA	SES 12	
??	<a href="#">Ariane 5</a> ECA	Azerspace 2 (Intelsat 38)	
??	CZ-??	<a href="#">CAS-4A, CAS-4B</a>	
Launch site: <a href="#">Taiyuan</a> , 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	10
??	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	
??	<a href="#">PSLV</a>	IRNSS-1I	
??	<a href="#">H-2A</a>	<a href="#">IGS Optical-6</a>	
??	<a href="#">Simorgh</a>	<a href="#">Dosti</a>	(Nahid 1??) (Payam-e Amir Kabir??)
Launch site: <a href="#">Semnan</a> , Iran			

6 + (22)



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27 + (116)

## 2018.

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

**Mar07.** [Atlas 5](#) (541) **GOES-S**

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

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

Mar??	<a href="#">PSLV</a>	Cartosat-3
Mar??	<a href="#">Soyuz ST</a> B/Fregat-MT	OneWeb smalsat (x10)
Mar??	<a href="#">CZ-3B/YZ-1</a>	Beidou 3 MEO M11, Beidou 3 MEO M12
Mar??	<a href="#">Falcon 9</a> (SPx-DM1)	Dragon v2 unmanned test

??	<a href="#">Soyuz-2-1B/ Fregat-M</a>	Glonass M 55	
??	<a href="#">Delta IV</a> -M+(4,2)	GPS III-1	
??	<a href="#">GSLV</a> MK III D2	GSAT-20	
??	SS-520-5	TRICOM 1 R	120
??	KZ-1A	??	
??	KZ-1A	??	
??	KZ-1A	??	
??	KZ-1A	??	

?? [GSLV](#) Mk II D9 Chandrayaan 2  
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??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-15
Apr??	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 7 (x10)
Apr??	<a href="#">Atlas 5</a> 551 (AV81)	AFSPC-11

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

**May30.** [Soyuz-2 1A](#) [Soyuz MS 9](#) (S56/57)





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**CDR: Prokopyev, Jeanette J. Epps, Alexander Gerst**

May??	<a href="#">Falcon 9</a>	GPS IIIA-2
May??	<a href="#">Falcon 9</a> (SPx-DM2)	Dragon v2 manned test
May??	<a href="#">Ariane 5</a> ECA	GEO-KOMPSAT-2A
May??	<a href="#">CZ-3B</a> /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??	<a href="#">Atlas 5</a> 422	CST-100 Starliner (unmanned test)
June??	Delta II 7320-10C	ICESat-II
June??	<a href="#">Falcon 9</a> FT	<a href="#">Iridium Next</a> Flight 8 (x5), GRACE FO_1, FO_2
June??	<a href="#">Soyuz-2</a> 1A	<a href="#">Progress MS</a> 9 <span style="float: right;">100</span>
June??	<a href="#">Falcon 9</a> FT	TESS
??	<a href="#">Proton-M</a>	PTK NP
??	<a href="#">Vega</a>	TARANIS
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 15
??	<a href="#">Soyuz ST</a>	CSO 1
??	<a href="#">Vega</a>	Prisma
??	<a href="#">Vega</a>	Cosmo-SkyMed Secon Gen 1 <span style="float: right;">CSG-1</span>
July??	<a href="#">PSLV</a>	Oceansat-3
July??	<a href="#">Falcon 9</a> FT	Radarsat C-1, -2, C-3
Aug??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	EarthCare
Aug??	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-16
Aug??	<a href="#">Atlas 5</a> 422	CST-100 Starliner (manned test)
Aug??	<a href="#">CZ-3C</a>	Beidou 2 I7
Aug??	Delta 4-H	Solar Probe Plus
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Glonass K1 / 16
??	<a href="#">Soyuz-2</a> 1B / <a href="#">Fregat</a> -M	Ekspress-RV1

**Sep15. Delta 4-H NROL-71**

**Sep30. Soyuz-2 1A Soyuz MS 10 (S57/58)**

**CDR: Ovchinin, Nick Hague**

**Sep?? 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.

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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

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

**Oct16. Soyuz-2 Progress MS 11**



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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
Oct??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 3

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

**Nov25.** [Proton-M](#) **MLM**

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

??	Minotaur 1	NROL 111	60
??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> -MT	OneWeb smalsat (x32)	

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
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</a> 1B / <a href="#">Fregat</a> -M	Resurs №4
Dec??	??	Korean Pathfinder Lunar Orbiter

??	Falcon H	Circumlunar Dragon V2
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Glonass K2 / 14
??	<a href="#">Ariane 5</a>	Heinrich Hertz
??	<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
??	??	AEHF 5
??	<a href="#">Falcon 9</a> FT	Es'hail 2
??	<a href="#">Falcon 9</a> v1.2	Dragon v2
??	Falcon H	Arabsat 6A

??	<a href="#">Soyuz-2</a> 1B	Progress M-UM	
??	<a href="#">Soyuz-2</a> 1A / <a href="#">Fregat</a>	Kanopus V 5, Kanopus V 6	40
??	<a href="#">Proton-M/Briz-M</a>	EutelSat 5 West B / MEV	
??	<a href="#">Proton-M/Briz-M</a>	Kosmos	

??	<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
??	<a href="#">Proton-M/Briz-M</a>	EgyptSat 3

??	<a href="#">Angara</a> A5/ DM03	Kosmos
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??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> -M	Smotr R №1
??	<a href="#">Soyuz-2</a> -1B/ <a href="#">Fregat</a> M	Meridian 18L



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??	<a href="#">Soyuz-2</a> 1A	Bars-M 3
??	<a href="#">Soyuz-2</a> 1A	Energiya-100
??	<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.

Feb??	<a href="#">CZ-3C</a>	Beidou 3 I1Q
Feb??	<a href="#">Falcon 9</a>	GPS IIIA-3
Feb??	H-2B (F9)	HTV8
Feb??	<a href="#">Atlas 5</a>	<a href="#">Solar Orbiter</a> (Solo) (ESA)





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

**Mar30. [Soyuz-2 1A](#) [Soyuz MS 12](#)  
CDR: ??, [Кудь-Сверчков/Матвеев](#) (Serguei [Kud'-Sverchkov](#)/Denis [Matveev](#)), NASA**

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

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

May?? [Falcon 9](#) FT [Dragon](#) SpX-19  
May?? [Atlas 5](#) 402 / [Falcon 9](#) v1.1 USCVC-3 (US Commercial Vehicles)

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

June?? [Atlas 5](#) 401 STP-03  
June?? [Ariane 5](#) MTG-11

?? [PSLV](#) RISAT 1A  
?? [CZ-3B/G2](#) TECSTAR 1

July?? [CZ-3C](#) Beidou 3 I3Q

**Sep30. [Soyuz-2 1A](#) [Soyuz MS 14](#)**

Sep?? [Soyuz-2-1B](#)/[Fregat](#)-M Glonass K1 / 22

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

Oct?? [Atlas 5](#) 552 Dream Chaser Cargo System  
Oct?? [CZ-3B](#)/YZ-1 Beidou 3 MEO M19, Beidou 3 MEO M20

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

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

?? Vega Proba 3

Dec?? [Atlas 5](#) 402 / [Falcon 9](#) v1.1 USCVC-4 (US Commercial Vehicles)  
Dec?? [CZ-3B](#)/YZ-1 Beidou 3 MEO M21, Beidou 3 MEO M22

?? [Falcon 9](#) v1.1 Astrium active SARah satellite  
?? [Falcon 9](#) GPS IIIA-6  
?? [Falcon 9](#) v1.2 GPS IIIA-7  
?? [Falcon 9](#) v1.2 GPS IIIA-8  
?? [Delta IV](#)-M+(4,2)/ [Atlas 5](#) 421 GPS IIIA-9/GPS IIIB-1  
?? [Delta IV](#)-M+(4,2)/ [Atlas 5](#) 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-ОЭ №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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## Dec15. [Atlas 5](#) **Landsat 9**

Dec?? [Atlas 5](#) 402 / [Falcon 9](#) v1.1 USCVC-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  
 ?? [CZ-3B/ Palapa 1N](#)

## 2021.

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

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

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

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



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??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS 18</a>
??	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 19</a>
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Transformable Modul TM
??	<a href="#">Proton-M/Briz-M</a>	Ekspress – RV1, RV2
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Resurs PM - 2
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-4
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Meteor M No2-5
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	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  
 ?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)  
 ?? CZ-2F/G SZ-15 Shenzhou-15





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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="#">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/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</a> / DM-03	Spektr - UF
??	<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



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

## 2025

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

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

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

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

?? [Soyuz-2-1B](#) Obzor O -2

?? [Soyuz-2-1b](#) Bion-M No. 3

?? [Soyuz-2-1B/Fregat-M](#) Arktika M 5

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

?? [Angara A5P/KVTK](#) Enisei A-2

?? [Soyuz-2-1B/Fregat-M](#) Resonans 2A, 2B, MKA-PN5

?? [Soyuz-2-1B/Fregat-M](#) Smotr R N°2

?? CZ Chang'e-7 (Moon south pole landing)

## 2026.

June?? [Angara A5P/KVTK](#) A mission to Venus (*Venera D*) would be launched

?? CZ Jupiter Orbiter

?? CZ Mars Sample Return

?? CZ Chang'e-8 (Moon north pole landing)