



# Blog Gorana Hudeca

## Predstojeća lansiranja u Svemir (28.05.2016.)

2017.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **28.May.2017**.

**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](#)

Launch site: [Xichang](#), China

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

Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 110

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

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

**June25. 0825UTC** [Falcon 9 FT](#) [Iridium Next Flight 2 \(x10\)](#)

Launch site: [Vandenberg](#), USA

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

**June30.** [PSLV C38](#) [Cartosat-2E](#)

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

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

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

June?? [CZ-2D](#) Hard X-ray Modulation Telescope ([HXMT](#))

Launch site: [Jiuquan](#), China

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

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

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

?June?? LS-1 LandSpace-1

June?? CZ-5 SJ-18 (DFH5 bus) 100

June?? [CZ-2D](#) Shaonian Xing

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

Launch site: [Xichang](#), China

**July01. 2145UTC** [Falcon 9](#) [Intelsat 35e](#)



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**July14. 0636UTC** [Soyuz-2 1A](#) / [Fregat M](#) [Kanopus V IK](#)

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

**July15. 0500GMT** [Minotaur-4/Orion 38ORS-5: SensorSat](#)

**July15.** [CZ-3B/YZ-1](#) [Beidou 3 M1& M2](#)

Launch site: [Xichang](#), China

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

**July25.** [Vega](#) (VV10) [Venµs, 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?? [Proton-M/Briz-M](#) Amazonas 5 90

**Aug01. 2100UTC** [Falcon 9 FT](#) [Dragon SpX-12](#)

**Aug03. 1240UTC** [Atlas 5 401 \(AV074\)](#) [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 \(AV075\)](#) [NROL-52 \(Quasar 21\)](#)

Aug?? [CZ-2D](#) Fengmaniu-1

Aug?? [Proton-M/Briz-M](#) Kosmos

Aug?? [Falcon 9 FT](#) KoreaSat 5A 80

Aug?? [Falcon 9 FT](#) SES 11

?? [Electron](#) [Outerspace 1](#)  
Launch site: [Kaitorete Spit](#), New Zeland

?? [Epsilon](#) (Jap) ASNARO 2

?? [Ariane 5](#) ECA Al Yah 3

?? [Ariane 5](#) ECA BSat 4a

**Sep12.** [Soyuz-2 1A](#) [Soyuz MS 6 \(S53/54\)](#)

CDR: Александр Александрович **МИСУРКИН** (Aleksandr A. **Misurkin**), Mark T. **Vande Hei**, Joseph M. **Acaba**

**Sep12.** [Antares 230](#) [Cygnum Orb-8](#)

**Sep15.** [CZ-11](#) [TY-2, 3, 4, 5 Tianyi](#)

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

**Sep25.** [CZ-2D](#) [VRSS-2 \(Bolivia Remote Sensing Satellite\)](#) 70



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Sep??	<a href="#">CZ-3B/G2</a>	ZX-6C Zhongxing-6C	
Sep??	<a href="#">CZ-2D</a>	GF-5 Gaofen-5	
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	
??	<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			
??	<a href="#">Falcon 9</a> FT	SES-16	60
??	<a href="#">Rokot / Briz KM</a>	Geo IK 2	
??	<a href="#">PSLV</a>	IRNSS-1H	
<b>Oct11.</b>	<a href="#">Atlas 5</a> (531) (AV073)	<b>AEHF-4</b>	
<b>Oct12.</b>	<a href="#">Soyuz-2</a> 1A	<a href="#">Progress MS</a> 7	
<b>Oct18.</b>	<a href="#">Delta IV-M+(5,2)</a>	<b>NROL-47 (Topaz 5)</b>	
Oct??	<a href="#">Falcon 9</a> FT	SAOCAM 1A	
Oct??	<a href="#">Ariane 5</a>	Hylas 4	
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	
<b>Nov01.</b>	<a href="#">Falcon 9</a> FT	<a href="#">Dragon</a> SpX-13	
<b>Nov09.</b>	<a href="#">Atlas 5</a> 401 (AV076)	<b>SBIRS-GEO 4</b>	
<b>Nov14.</b>	<b>Pegasus-XL</b>	<b>ICON (Helio EX-1)</b>	
<b>Nov17.</b>	<a href="#">Antares</a> 230	<a href="#">Cygnus</a> 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		
??	<a href="#">Ariane 5</a> ES	<a href="#">Galileo-FOC</a> FM15 (Nicole), <a href="#">Galileo-FOC</a> FM16 (Zofia), <a href="#">Galileo-FOC</a> FM17	
(Alexandre), <a href="#">Galileo-FOC</a> FM18 (Irina)			
??	<a href="#">Falcon 9</a> FT	SES-14 / GOLD	
??	<a href="#">Proton-M/</a> DM 3	Electro-L N3	40
<b>Dec16.</b>	<a href="#">Falcon 9</a> FT	<b>Bangabandhu-1</b>	
<b>Dec27.</b>	<a href="#">Soyuz-2</a> 1A <a href="#">Soyuz MS</a> 7 (S54/55)		
CDR: <b>Shkaplerov</b> , Norishige <b>Kanai</b> , Scott <b>Tingle</b>			
<b>Dec28.</b>	<a href="#">PSLV</a>	<b>Team Indus</b>	
Dec??	<a href="#">CZ-2D</a>	GJ-3 GaoJing-3, GJ-4 GaoJing-4	
Dec??	<a href="#">Falcon 9</a> FT	Grace-FO	



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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 <span style="float: right;">30</span>
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

?? [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

??	<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'
??	<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-?? [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 <span style="float: right;">10</span>
??	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

?? [PSLV](#) IRNSS-1I

?? [H-2A](#) [IGS Optical-6](#)

?? [Simorgh](#) [Dosti](#) (Nahid 1??) (Payam-e Amir Kabir??)  
 Launch site: [Semnan](#), Iran

6 + (22)  
 29 + (115)

**2018.**



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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
<b>Feb09.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Progress MS 8</a></b>	
Feb??	<a href="#">Falcon 9</a>	FT	<a href="#">Dragon</a> SpX-14 140
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)
<b>Mar07.</b>	<b><a href="#">Atlas 5 (541)</a></b>	<b>GOES-S</b>	
<b>Mar09.</b>	<b><a href="#">Falcon 9 (SPx-DM1)</a></b>	<b>Dragon v2 unmanned test</b>	
<b>Mar15.</b>	<b><a href="#">CZ-3B/GII</a></b>	<b>APStar-6C</b>	
<b>Mar14.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Soyuz MS 8 (S55/56)</a></b>	
CDR: <b>Artemyev</b> , Andrew <b>Feustel</b> , Ricky <b>Arnold</b>			
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
??	<a href="#">Soyuz-2-1B/</a>	<a href="#">Fregat-M</a>	Glonass M 55
??	<a href="#">Delta IV-M+(4,2)</a>		GPS III-1
??	<a href="#">GSLV</a>	Mk III D2	GSAT-20
??	SS-520-5		TRICOM 1 R
??	KZ-1A		??
??	KZ-1A		??
??	KZ-1A		??
??	KZ-1A		??
??	<a href="#">GSLV</a>	Mk II D9	Chandrayaan 2
India's second mission to the moon called <i>Chandrayaan - II</i> 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.			
<b>Apr15.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Progress MS 9</a></b>	
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
<b>May05.</b>	<b><a href="#">Atlas 5 401</a></b>	<b>InSight</b>	
Launch site: <a href="#">Vandenberg</a> , USA			
<b>May30.</b>	<b><a href="#">Soyuz-2 1A</a></b>	<b><a href="#">Soyuz MS 9 (S56/57)</a></b>	





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

May??	<a href="#">Falcon 9</a>	GPS IIIA-2	
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="#">Falcon 9</a> FT	TESS	

??	<a href="#">Proton-M</a>	PTK NP	
??	<a href="#">Vega</a>	TARANIS	100
??	<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	CSG-1

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="#">CZ-3C</a>	Beidou 2 I7	
Aug??	Delta 4-H	Solar Probe Plus	
Aug??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 10	
Aug??	<a href="#">Falcon 9</a> (SPx-DM2)	Dragon v2 manned test	

??	<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/A58)**

**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.

Sep??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a> v1.1	USCV-1 (US Commercial Vehicles)	
Sep??	<a href="#">CZ-3B</a> /YZ-1	Beidou 3 MEO M15, Beidou 3 MEO M16	80
Sep??	Zenit 3-SLB / DM-SLB	AngoSat	

??	<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 / 17	

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

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

Oct?? [Falcon 9](#) FT [Dragon](#) SpX-17



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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="#">Proton-M/Briz-M</a>	Elektro L - 3
Oct??	<a href="#">Atlas 5</a> 422	CST-100 Starliner (manned test)

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

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-2-1B/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	<b>40</b>
??	<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>	EgyptSat 3

??                      [Angara](#) A5/ DM03                      Kosmos

??	<a href="#">Soyuz-2-1B/Fregat</a> -M	Smotr R №1
??	<a href="#">Soyuz-2-1B/Fregat</a> M	Meridian 18L
??	<a href="#">Soyuz-2</a> 1A	Bars-M 3
??	<a href="#">Soyuz-2</a> 1A	Energiya-100



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?? [Ariane 5](#) ES [Galileo-FOC](#) FM19 (Tara), [Galileo-FOC](#) FM20 (Samuel), [Galileo-FOC](#) FM21 (Anna),  
[Galileo-FOC](#) FM22 (Ellen)

?? [Ariane 5](#) ECA Intelsat 37e  
 ?? [Ariane 5](#) ECA Hellas-Sat-4  
 ?? [Ariane 5](#) ECA DSN 1 (Superbird-8)

?? [CZ-2D](#) SJ-12 Shijian-12 (2)  
 ?? [CZ-2D](#) TH-2 Tianhui-2  
 ?? [CZ-2C](#) CSES-1 Earthquake electromagnetism monitor satellite  
 ?? ?? FY-3 Fengyun-3 RM-1  
 ?? ?? VeneSat-2 20  
 ?? [CZ-3B/E](#) CC-1 [Changcheng-1](#)

?? CZ-2D GF-7 Gaofen-7  
 ?? CZ CBERS-SAR 1  
 ?? CZ Deep Space Solar Observatory  
 ?? CZ CBERS-4B

?? [CZ-3B/E](#) SupremeSAT-II  
 ?? [CZ-3B/E](#) CongoSat 1  
 ?? [CZ-3B/E](#) Apstar-6D

?? ?? Small Military Meteorological Satellite (x6)

?? CZ FY-3E Fengyun-3E  
 ?? CZ FY-4B Fengyun-4B

?? [CZ-4B](#) [Haiyang-1C](#) HY-1C  
 Launch site: [Taiyuan](#), China

?? CZ-4B HY-1D Haiyang-1D  
 ?? CZ-4B HY-2B Haiyang-2B

?? [GSLV](#) MK II F12 GSAT-7A  
 ?? [GSLV](#) MK II F10 GISAT  
 ?? [PSLV](#) EnMap

?? [Safir 1 B](#) Tadbir  
 ?? Safir 3A Pars sepher

?? Tronador II/VEX5 TBD (suborbital)  
 Launch site: Puerto Belgrano, Argentina

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## 2019.

Feb?? [CZ-3C](#) Beidou 3 I1Q  
 Feb?? [Falcon 9](#) GPS IIIA-3  
 Feb?? H-2B (F9) HTV8  
 Feb?? [Atlas 5](#) [Solar Orbiter](#) (SolO) (ESA)

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





# Blog Gorana Hudeca

## Mar30. Soyuz-2 1A Soyuz MS 12

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

Mar?? [Soyuz-2](#) [Progress MS 12](#)

?? 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 USCV-3 (US Commercial Vehicles)

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

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

?? [PSLV](#) RISAT 1A

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

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

## Sep30. Soyuz-2 1A Soyuz MS 13

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 USCV-4 (US Commercial Vehicles)

Dec?? [CZ-3B/YZ-1](#) Beidou 3 MEO M21, Beidou 3 MEO M22

Dec?? [Proton-M/Briz-M](#) Ekspress 80, Ekspress 103

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

?? [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

?? [Atlas 5](#) 551 Asteroid Retrieval Spacecraft (ARS)

?? ?? EX-3



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??	??	AEHF-6
??	<a href="#">Vega</a>	Jason-CS A
??	<a href="#">Vega</a>	EarthCare
??	<a href="#">Vega</a>	OpSis
??	<a href="#">Vega</a>	VNREDSat
??	<a href="#">Vega</a>	LOTUSat
??	<a href="#">Ariane 5</a> ECA	Jabiru 2
??	<a href="#">Ariane 5</a>	Arsat 3
??	<a href="#">Ariane 5</a> ECA	Jabiru-1
??	<a href="#">Soyuz ST / Vega</a>	MicroCarb
??	<a href="#">Soyuz ST B/Fregat</a> -MT	Sentinel-1C
??	<a href="#">Ariane 5</a>	ViaSat-3
??	<a href="#">Ariane 5</a>	JCSat 17
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 13
??	<a href="#">Soyuz-2-1A/Fregat</a> -M	Kondor-FKA n.º 1
??	<a href="#">Soyuz-2 1B /Fregat</a> -M	Resurs Nº5
??	<a href="#">Soyuz-2-1B/Fregat</a> -M	Arktika M 2
??	<a href="#">Proton-M/Briz-M</a>	SkyTerra 2
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 4
??	<a href="#">Proton-M/Briz-M</a>	Ekspress AMU 3 / Ekspress AMU 7
??	<a href="#">Proton-M/Briz-M</a>	Luch 5M
??	<a href="#">Proton-M/Briz-M</a>	Yenisey A1
??	<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-2-1B/Fregat</a> M	Meridian 19L
??	<a href="#">Soyuz-2-</a>	Razdan 1
??	Angara-1.2/AM	<a href="#">Gonets</a> x 3 (No 27,28,29)
??	Angara-1.2/AM	<a href="#">Gonets</a> x 3 (No 30,31,32)
??	<a href="#">Soyuz-2-1B/Fregat</a> -M	<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</a>	Glonass M / 60
??	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
??	CZ	HY-3A Haiyang-3A
??	<a href="#">CZ-4B</a>	HY-2C Haiyang-2C
??	<a href="#">PSLV</a> XL	<a href="#">Aditya'</a>

**2020.**



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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.

<b>Sep30.</b>	<b>Soyuz 2-1A</b>	<b>Sojuz MS-16</b>
Sep??	CZ	CBERS-6
Sep??	<a href="#">Soyuz-2-1B/Fregat-M</a>	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.

<b>Dec15.</b>	<a href="#">Atlas 5</a>	<b>Landsat 9</b>
Dec??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a> 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
??	??	HyspIRI
??	Antares	IMAP/STP-05



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??	Falcon H	ViaSat 3
??	<a href="#">Proton-M</a>	HƏM-1
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 14
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 15
??	<a href="#">Soyuz-2</a>	<a href="#">Progress MS</a> 16
??	<a href="#">Soyuz-2</a> 1a / <a href="#">Fregat</a>	<a href="#">Luna 26</a> (Luna-Resurs OA)
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Arktika M 3
??	<a href="#">Soyuz-2-1B/Fregat-M</a>	Glonass K2
??	<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</a> 1.2	Kompsat-6
??	<a href="#">Proton-M/Briz-M</a>	Elektro L - 5
??	<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

?? [Soyuz-2-1A/Fregat](#) 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
??	??	Biomass
??	??	Seosat-Ingenio-2
??	??	EPS-SG-b

??	CZ	Two Meter Space Telescope
??	CZ	FY-4C Fengyun-4C
??	CZ	HY-3B Haiyang-3B
??	<a href="#">CZ-3B/</a> Palapa 1N	

?? [GSLV](#) MK III MOM-2 Follow on Mars Mission

?? H-IIA [Hope](#) (UAE mission to Mars)

## 2021.

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

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



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Apr??	<a href="#">Soyuz ST</a> B/ <a href="#">Fregat</a> M	MarcoPolo-R
June??	<a href="#">Atlas 5</a> 402 / <a href="#">Falcon 9</a>	USCV-7 (US Commercial Vehicles)
??	CZ7	TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
??	<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 (unmaned)
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 / <a href="#">Fregat</a> -M	Ekspress-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
??	<a href="#">Soyuz-2-1b</a>	Bion-M No. 2
??	<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 Sentinels

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





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??	CZ-5B	Xuntian Lab module	Space station module
??	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="#">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 (unmaned 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	



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?? [Soyuz-2](#) [Progress MS](#) 24  
 ?? [Soyuz-2](#) [Progress MS](#) 25

?? A Russian [Proton/Briz-M](#) (or Angara) rocket to launch the [Laplas-P](#) mission to orbit the moon of Jupiter Ganymede.

?? [Proton-M/Briz-M](#) Ekspres – 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

?? [Vega](#) 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)

?? [GSLV](#) MK III Mission to Venus

## 2024

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

June?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-13 (US Commercial Vehicles)

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

Oct?? EELV GOES-U

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

?? [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

?? [Proton-M/Briz-M](#) Ekspres – AMU 9  
 ?? [Soyuz-2-1B/Fregat-M](#) Resurs PM - 4  
 ?? [Soyuz-2-1B/Fregat-M](#) Meteor MP No1  
 ?? [Angara](#) 1.2 [Gonets](#) x 2, Gonets M  
 ?? [Angara](#) A5P/DM03 Lutch 5 – 4  
 ?? Ямал GK 3  
 ?? [Soyuz-2-1B/Fregat-M](#) Arktika M 4  
 ?? [Angara](#) 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 №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)