



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (10.6.2019.)

2019.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in **red**. Last change **10. June 2019**.

June12. 1417UTC Falcon 9 Radarsat C-1, -2, C-3
Launch site: [Vandenberg](#), USA

June20. 2143UTC Ariane 5 ECA VA248 Eutelsat 7C / DirecTV 16
Launch site: [Kourou](#), French Guiana

June21. 1344UTC 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.
Launch site: [Байконур \(Baikonur\)](#) Cosmodrome, Kazakhstan

June23. Jielong-1 JL-1 Tianqi-2, CAS-7B/BP-1P
Launch site: [Jiuquan](#), China

June25. 0330UTC Falcon Heavy STP-02, FORMOSAT-7 (6 sat)
Launch site: [Cape Canaveral](#), USA

June27. 1000UTC Atlas 5 AEHF 5
Launch site: [Cape Canaveral](#), USA

June?? [CZ-4B](#) ZY-2D Ziyuan-2D
Launch site: [Taiyuan](#), China

June?? [CZ-2D](#) SJ-19 Shijian-19
June?? [Electron](#) "Make it rain" Prometheus (x2), ACRUX-1
?? [KZ-11](#) Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Yinhe, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02)

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

?? Cosmic Girl / LauncherOne Test Launch
Launch site: [Spaceport America](#), USA **100**

?? [CZ-3B/G2](#) TCSTAR 1
?? [CZ-11](#) Zhuhai-1 Group-3
?? [Soyuz-2-1V](#) ??
?? [Soyuz-2-1B/Fregat M](#) Meridian 18L

July05. 0541UTC Soyuz-2-1B/Fregat-M Meteor M-2-2, Ionosfera 3, Ionosfera 4
Launch site: Восточный ([Vostochniy](#)) Cosmodrome, Russia

July15. 2137UTC Proton-M/Briz-M Blagovest 4
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

July15. GSLV Mk III D3 Chandrayaan 2



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

July20. 1628UTC Soyuz FG Soyuz MS 13 (S60/61)
CDR: Александр Александрович **Скворцов** (Alexander **Skvortsov**), Luca **Parmitano** (ESA), Andrew **Morgan** (NASA)

July21. 2330UTC Falcon 9 Dragon SpX-18
Launch site: [Cape Canaveral](#), USA

July24. Ariane 5 ECA VA249 Intelsat 39 / EDRS-C (Hylas 3)
Launch site: [Kourou](#), French Guiana

July25. 1500UTC Delta IV GPS IIIA-2
Launch site: [Cape Canaveral](#), USA

July31. 1231UTC Soyuz-2 Progress MS 12

July?? [Vega](#) VV15 Falcon Eye 1
Launch site: [Kourou](#), French Guiana

July?? [KZ-1A](#) ??
Launch site: [Jiuquan](#), China

July?? Hyperbola-1 SQX-1 7 satellites
Launch site: [Jiuquan](#), China

July?? [CZ-3A](#) Beidou 3 I3Q
July?? [PSLV](#) C48 - XL RISAT-2BR1

Aug17. 1300UTC Atlas 5 N22 (AV80) CST-100 Starliner (unmanned test)
Launch site: [Cape Canaveral](#), USA

Aug22. Soyuz-2 1A Soyuz 14 GVK

Aug?? [Zenit 3 SL /Fregat](#)-SB Lybid'
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan 80

Aug?? [Falcon 9](#) Amos 17
Launch site: [Cape Canaveral](#), USA

Aug?? SSLV D1 Two defence sats
Aug?? [PSLV](#) C47 CARTOSAT-3, NEMO-AM
Aug?? [Electron](#) KSM-1,KSM-2,KSM-3 (Kleos Scouting Mission)

?? [CZ-3B/E](#) Apstar-6D

Sep02. Vega SSMS POC (Small Spacecraft Mission Service Proof Of Concept)

Sep11. H-2B (F9) HTV8

Sep21. Falcon 9 (SPx-DM2) Dragon v2
CDR: Robert **Benkhen**, Doug **Hurley**

Sep25. Soyuz-2-1A Soyuz MS 15 (S61/62)
CDR : Олэг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), ??Christopher J. **Cassidy**, Hazzaa **Al Mansouri**

Sep?? [GSLV](#) MK II F12 GISAT -1



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| | | |
|---------------|---|--|
| ?? | Atlas 5 551 (AV-086) | AEHF-6 |
| ?? | Ariane 5 | Inmarsat-5 F5 (GX-5) |
| ?? | Falcon 9 | JCSat 18 |
| ?? | Electron | BlackSky Global 4 |
| ?? | Electron | Dove / Flock-y |
| Oct15. | Soyuz ST B/Fregat-MT | Cosmo-SkyMed Secon Gen 1 |
| | (Characterising ExOPlanet Satellite) | CSG-1 / CHEOPS |
| Oct19. | Antares 230 | Cygnus OA-12 |
| Oct?? | CZ-3B/YZ-1 | Beidou 3 MEO M19, Beidou 3 MEO M20 |
| Oct?? | Falcon 9 | GPS IIIA-3 |
| Oct?? | Atlas 5 551 | STP-03 60 |
| Oct?? | SSLV D2 | Demo 2 |
| Oct?? | PSLV | RISAT-2BR2 |
| Oct?? | Proton-M/Briz-M | EutelSat 5 West B / MEV |
| ?? | CZ-4B | CBERS-4° A |
| Nov01. | Atlas 5 422 (AV082) CST-100 Starliner | |
| | CDR: Michael Fincke , Chris Ferguson , Nicole Aunapu Mann | |
| Nov20. | Proton-M/Briz-M | Elektro L – 3 |
| | Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | |
| Nov20. | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) |
| Nov?? | Vega | Falcon Eye 2 |
| Nov?? | GSLV | GISAT -2 |
| Nov?? | CZ-2D | ETRSS-1 (Ethiopian multi-spectral Remote Sensing Satellite) |
| ?? | Ariane 5 | JCSat 17 |
| ?? | Kuaizhou-1A | Hainan-1 (1), Hainan-1 (2), Hainan-1 (3) |
| ?? | CZ-6A | Satellite (1-13) |
| ?? | Minotaur 1 | NROL 111 |
| ?? | Falcon 9 | SiriusXM SX7 |
| ?? | Minotaur IV | NROL 129 |
| Dec04. | Falcon 9 FT | Dragon SpX-19 |
| Dec05. | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) |
| Dec20. | Soyuz-2 | Progress MS 13 |
| ??Dec?? | Falcon 9 | Dragon v2 (USCV-1) |
| | Cdr: Victor Glover , Mike Hopkins , Soichi Noguchi 40 | |
| Dec?? | Rokot / Briz KM | Gonets x 3 (No 24,25,26), Blits-M |
| | Launch site: Плесецк (Plesetsk) Cosmodrome, Russia | |
| Dec?? | Proton-M/Briz-M | Ekspress 80, Ekspress 103 |
| Dec?? | Soyuz-2 1B / Fregat-M | CAS500-1 |
| Dec?? | Soyuz-2-1B/Fregat | Glonass K2 / 13 |
| Dec?? | Falcon 9 | GPS IIIA-4 |



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|--|--|--|----|
| Dec?? | CZ-3B/YZ-1 | Beidou 3 MEO M21, Beidou 3 MEO M22 | |
| Dec?? | Angara A5/ Briz M | Kosmos | |
| Dec?? | CZ-5 Y3 | SJ-20 (DFH-5 platform) | |
| ?? | Atlas 5 551 | AFSPC-7 (X-37B OTV 6) | |
| ?? | Atlas 5 551 | Asteroid Retrieval Spacecraft (ARS) | |
| ?? | ?? | EX-3 | |
| ?? | Ariane 5 ECA | Eutelsat BB4A (African Broadband Satellite) | |
| ?? | Ariane 5 ECA | Star One D2 | |
| ?? | Vega | OpSis | |
| ?? | Soyuz-2- | Razdan 1 | |
| ?? | Proton-M/Briz-M | Kosmos | |
| ?? | Soyuz-2 1A | Energiya-100 | |
| ?? | Soyuz-2 -1B | Pion | |
| ?? | Soyuz-2 1B / Fregat -M | Tundra 3 | |
| ?? | Soyuz-2 1B / Fregat -M | Tundra 4 | 20 |
| ?? | Rokot / Briz KMGeo IK 2 | 13L | |
| Launch site: Плесецк (Plesetsk) Cosmodrome, Russia | | | |
| ?? | Soyuz-2 -1B/ Fregat -M | Glonass K1 15 | |
| ?? | Soyuz-2 -1B/ Fregat M | Meridian 19L | |
| ?? | CZ-5 | Chang'e-5 (Sample return) | |
| ?? | CZ-7 | New generation manned spacecraft | |
| ?? | CZ | FY-3E Fengyun-3E | |
| ?? | CZ | FY-4B Fengyun-4B | |
| ?? | CZ-2C | HY-1D Haiyang-1D | |
| ?? | CZ-4B | HY-2C Haiyang-2C | |
| ?? | CZ-6A | HY-2D Haiyang-3A | |
| ?? | CZ-3A | Beidou 3 I2Q | |
| ?? | CZ | CBERS-SAR 1 | |
| ?? | CZ-?? | CAS-4A, CAS-4B | |
| Launch site: Taiyuan , China | | | |
| ?? | KZ-1A | Jilin 1-10 | |
| ?? | KZ-1A | Jilin 1-11 | |
| ?? | KZ-1A | Jilin 1-12 | |
| ?? | CZ-2D | GF-7 Gaofen-7 | |
| ?? | CZ-11 | Fengtai Shaonian-02 | |



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?? [CZ-3B/G2](#) ZX-18 Zhongxing-18

6 + 12
32 + 111

2020.

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

?? - inaugural flight - Vega-C - Kourou ZLV
?? [Falcon 9](#) SAOCOM-1B, SAOCOM-1C
?? [Ariane 5](#) ECA GSAT-20

Feb05. [Atlas 5](#) [Solar Orbiter \(SoIO\) \(ESA\)](#)

Feb?? H-2B (F10) HTV9
Feb?? [CZ-3B/YZ-1](#) Beidou 3 2GQ 120
Feb?? [Soyuz-2](#) [Progress MS](#) 14
Feb?? [GSLV](#) GSAT - 32
Feb?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)

?? [Soyuz-2](#) 1A [Bars-M](#) 3
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

?? [Vega](#) SSMS – 2 (Small Spacecraft Mission Service)
?? [Soyuz ST](#) B/[Fregat](#)-MT OneWeb smalsat (x32)
?? [CZ-5](#) B Test flight
?? [Ariane 5](#) ECA Eutelsat Quantum
?? [Ariane 5](#) ECA GSAT 30

Mar20. [Soyuz 2-1A](#) [Soyuz MS 16 \(S62/63\)](#)

CDR: Николай Владимирович **Тихонов** (Nikolai Tikhonov), Андрей Николаевич **Бабкин** (Andrei Babkin), Hoshide

Mar?? [Delta IV](#)-M DMSP-5D3 F20
Mar?? [Soyuz-2-1B](#)/[Fregat](#)-M Glonass K1 / 22
Mar?? [Atlas 5](#) 551 AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite))

?? [CZ-5](#) Tian He Space Station Core Module
?? [Ariane 5](#) Galaxy 30 / MEV-2
?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B
?? [Soyuz-2-1B](#)/[Fregat](#)-M Glonass M 59
?? [Soyuz-2-1B](#)/[Fregat](#)-M Glonass M 60

Apr?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M23, [Beidou 3](#) MEO M24
Apr?? Angara-1.2/AM [Gonets](#) x 3 (No 30,31,32)
Apr?? [Soyuz-2](#) 1B /[Fregat](#)-M CAS500-1 100

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)
?? CZ-2F/G SZ-12 Shenzhou-12
?? [Vega](#) CCERES (x3)



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|----------------|--|---|---|
| May?? | Soyuz-2 1B | Progress M-UM | |
| May?? | Ariane 62 | CSO-2 | |
| June?? | Atlas 5 402 | CST 100 Starliner (USCV-2) | |
| | Cdr: John Cassada , Sunita Williams | | |
| June?? | Ariane 5 | MTG-S1/Sentinel-4A | |
| June?? | CZ-3C | Beidou 3 G3Q | |
| June?? | Vega_C | Space Rider flight 1 | |
| June?? | Atlas 5 551 | AFSPC-8 (GSSAP 5, GSSAP 6) | |
| June?? | Soyuz-2 | Progress MS 15 | |
| ?? | Vega | Seosat (Ingenio) | |
| July16 | Ariane 62 | OneWeb | |
| July17. | Atlas 5 (541) | Mars 2020 rover | |
| July25. | Proton-M/Briz-M | ExoMars (CM+DM) | An ESA exobiology rover equipped with a deep drill developed by Astrium Satellites in the United Kingdom will launch in 2020. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface. |
| July?? | CZ-5 | Mars probe (orbiter + lander + rover) | |
| July?? | Soyuz-2-1B/Fregat-M | Glonass K2 / 14 | |
| ?? | Vega-C Pleiades Neo 1, Pleiades Neo 2 | | |
| ?? | Ariane 5 | ViaSat 3 EMEA | |
| Aug?? | Falcon 9 FT | Dragon SpX-21 | |
| Sep?? | CZ | CBERS-6 | 80 |
| Sep?? | Soyuz-2-1B/Fregat-M | Glonass K2 / 15 | |
| Sep?? | Falcon 9 | GPS IIIA-5 | |
| Sep?? | Atlas 5 552 | Dream Chaser Cargo System SNC-1 | |
| Sep?? | Soyuz-2 | Progress MS 16 | |
| Sep?? | ?? | GOES-T (National Security Space Launch program) | |
| ?? | CZ-2F/G | SZ-13 Shenzhou-13 | |
| ?? | Soyuz-2-1B | Arktika-M | |
| Oct21. | Soyuz 2-1A | Soyuz MS 17 (S63/64) | |
| | CDR: Иванишин (Ivanishin) , Вагнер (Vagner) , Bowen | | |
| Oct?? | Vega | Proba 3 | |
| Oct?? | Soyuz-2 1B / Fregat-M | Gonets x 3 (No 27,28,29) | |
| ?? | Falcon 9 | SARah 1 | |
| ?? | Angara A5/ DM 03(Persei) | Kosmos | |
| Nov?? | Soyuz-2 | Progress MS 15 | |
| Nov?? | Soyuz-2 1B / Fregat-M | Resurs №4 | |
| ?? | SLS-1 | Orion (unmanned trip around the Moon) | Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM) |
| ?? | Proton-M | MLM | |



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Dec15. [Atlas 5](#) **Landsat 9**

Dec?? GSLV-Mk III. Gaganyaan-1 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).

Dec?? [Falcon 9](#) [Dragon v2](#) USCV-3 (US Commercial Vehicles)
 CDR: ??(NASA), ??(NASA), ??(RF)

Dec?? [Soyuz-2](#) [Progress MS](#) 17 **60**

?? ?? PACE
 ?? ?? EX-4
 ?? ?? ACE
 ?? ?? HypIRI
 ?? Antares IMAP/STP-05

?? [Falcon 9](#) FT [Dragon](#) SpX-22

?? [Falcon H](#) ViaSat 3
 ?? [Falcon 9](#) KPLO (Korea Pathfinder Lunar Orbiter)

?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 16
 ?? [Soyuz-2](#) 1B /[Fregat](#)-M Glonass K1 / 17

?? [Soyuz-2](#)-1B/[Fregat](#)-M Meteor M No2-3
 ?? [Angara](#) 1.2 Kompsat-6
 ?? [Soyuz-2](#)-1A/[Fregat](#)-M [Gonets](#) x 6

?? [Proton-M/Briz-M](#) AOneSat-1
 ?? [Proton-M/Briz-M](#) Terrestar-2
 ?? [Proton-M/Briz-M](#) SkyTerra 2
 ?? [Proton-M/Briz-M](#) Ekspress AMU 3 / Ekspress AMU 7
 ?? [Proton-M/Briz-M](#) Yenisey A1
 ?? [Proton-M/Briz-M](#) Ямал-501
 ?? [Proton-M/Briz-M](#) EutelSat **40**
 ?? [Proton-M/Briz-M](#) Ямал-GK-1
 ?? [Proton-M](#) PTK NP

?? [Soyuz-2](#)-1A/[Fregat](#) Resonance 1A, Resonance 1B
 RESONANCE is a project to study Earth's magnetosphere consisting of four similar satellites.

?? [Soyuz-2](#)-1B Lotos S1
 ?? [Soyuz-2](#)-1B Persona
 ?? [Soyuz-2](#)-1A Kobalt M
 ?? [Soyuz-2](#)-1A Foton M

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

?? [Angara](#) 1.2 Kosmos



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|--|---|---|----|
| ?? | Ariane 5 | Arsat 3 | |
| ?? | Ariane 5 | ViaSat-3 Asia | |
| ?? | Ariane 5 ECA | EDRS-D | |
| ?? | ?? | Seosat-Ingenio-2 | |
| ?? | Vega C Cosmo-SkyMed Secon Gen 2 | CSG-2 | |
| ?? | CZ | Two Meter Space Telescope | |
| ?? | CZ | FY-4C Fengyun-4C | 20 |
| ?? | CZ | HY-3B Haiyang-3B | |
| ?? | CZ-3B/ Palapa 1N | | |
| ?? | ?? | Hainan-1 (4) | |
| ?? | ?? | Hainan-1 (5) | |
| ?? | ?? | Hainan-1 (6) | |
| ?? | ?? | Sanya-1 (1) | |
| ?? | ?? | Sanya-1 (2) | |
| ?? | CZ | FY-3F Fengyun-3F (Batch 2) | |
| ?? | CZ | FY-3 Fengyun-3 RM-2 | |
| ?? | GSLV MK II F11 | GSAT-10A | |
| Launch site: Satish Dhawan Space Centre , Sriharikota, India | | | |
| ?? | PSLV | ScatSat, NovaSAR | |
| ?? | GSLV MK III | MOM-2 Follow on Mars Mission | |
| ?? | PSLV | EnMap | |
| ?? | PSLV XL | Aditya' | |
| ?? | H-IIA | Hope (UAE mission to Mars) | |
| ?? | H-IIA | Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon) | |
| ?? | H-IIA | Inmarsat-6 F1 | |
| ?? | Safir 1 B | Tadbir | |
| ?? | Safir 3A | Pars sepher | |

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2021.

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|-------|--------------------------|--------------------------------|
| Feb?? | Soyuz-2 | Progress MS 18 |
| Feb?? | Falcon 9 | GPS IIIA-6 |
| Feb?? | Falcon H | AFSPC-44 |

Mar30. [Soyuz-2-1A](#) [Soyuz MS](#) 18
 Cdr: xx, Akihiko **Hoshide**, xx

Mar31. [Ariane 5](#) ES **JWST (James Webb Space Telescope)**

Mar?? [Atlas 5](#) 411 SBIRS-GEO 5



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|---------------|--|--|
| Apr?? | Atlas 5 402 | USCV-4 (US Commercial Vehicles) |
| Apr?? | Ariane 62 | Galileo-FOC FM23, Galileo-FOC FM24 |
| ?? | CZ-5 B Wentian Lab module | Space station module |
| June?? | Soyuz ST B/ Fregat MT | Euclid |
| | Euclid will depart Earth on a Soyuz rocket launched from French Guiana and head for the L2 Lagrange point. | |
| June?? | Falcon 9 | DART (Double Asteroid Redirection Test) |
| ?? | CZ7 | TZ 3 Tianzhou 3 (Logistic Cargo Vehicle) |
| ?? | Soyuz-2 | Progress MS 19 |
| ?? | CZ-2F/G | SZ-14 Shenzhou-14 |
| ?? | Ariane 62 | Galileo-FOC FM25, Galileo-FOC FM26 |
| July?? | Vulcan/Minotaur 6/ Falcon 9 v1.1 | JPSS-2 |
| July?? | Vega C | Biomass |
| July?? | Soyuz-2 1a / Fregat | Luna 25 (Luna-Glob-1) |
| July?? | GSLV-Mk III. Gaganyaan-2 | |
| ?? | Soyuz ST B/ Fregat -MT | EarthCare |
| Sep30. | Soyuz-2-1A | Soyuz MS 18 |
| Sep?? | Soyuz ST B/ Fregat -MT | MetOp-SG A1/EPS-SG-a/Sentinel-5A |
| Sep?? | Falcon 9 | SWOT |
| Sep?? | Falcon 9 | OHB SARah 2/3 |
| Oct16. | Atlas 5 401 | Lucy |
| Oct?? | Atlas 5 401/ Falcon 9 v1.1 | JPSS Free Flyer 2 (TSIS-2) |
| Oct?? | Ariane 62 | CSO-3 |
| Oct?? | Atlas 5 402 / Falcon 9 | USCV-5 (US Commercial Vehicles) |
| Dec?? | Vega C | KOMPSAT 7 |
| Dec?? | GSLV-Mk III. Gaganyaan-3 | |
| Dec?? | Falcon 9 | NROL-85 Intruder 13A713B |
| Dec?? | Falcon 9 | NROL-87 |
| ?? | Ariane 5 | MTG-I1 |
| ?? | Atlas 5 552 | Dream Chaser Cargo System SNC-2 |
| ?? | Falcon 9 | GPS IIIA-7 |
| ?? | Falcon 9 | GPS IIIA-8 |
| ?? | Soyuz-2 | Progress MS 20 |
| ?? | Soyuz-2 -1B/ Fregat -M | Transformable Modul TM |
| ?? | Proton-M | HЭM-1 |
| ?? | 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 |



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|----|--------------------------------------|---------------------------------------|
| ?? | Proton-M/Briz-M | IntelSat |
| ?? | Proton-M/Briz-M | Elektro L - 4 |
| ?? | Soyuz-2-1B/Fregat-M | Arktika M 2 |
| ?? | Proton-M/ DM-03 | Glonass-M/K21,K22,K23 |
| ?? | Soyuz-2-1B/Fregat-M | Kondor-FKA n.º 2 |
| ?? | Soyuz-2 1B /Fregat-M | Resurs N°5 |
| ?? | Angara A5/ Briz-M | Luch 5M |
| ?? | Ariane 5 | Heinrich Hertz |
| ?? | Ariane 5 | SES-17 |
| ?? | Ariane 5 | Comsat NG 1 (Syracuse 4A) |
| ?? | Soyuz ST B/Fregat-MT | CSO 2 (Composante Spatiale Optique-2) |
| ?? | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) |
| ?? | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) |
| ?? | Vega C | Space Rider 2 |
| ?? | Vega C | CNES/UAE Mars mission |
| ?? | Vega-C | Pleiades Neo 3, Pleiades Neo 4 |
| ?? | CZ | Venus Global Sensing Probe |
| ?? | CZ | FY-3G Fengyun-3G (Batch 2) |
| ?? | ?? | Sansha-1 (1) |
| ?? | ?? | Sansha-1 (2) |

2022.

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|-------|-------------------------|--------------------------------|
| Jan?? | ?? | Solar Sentinels |
| ?? | Soyuz-2 | Progress MS 21 |

Mar17.CZ3 Asteroid rendezvous and touchdown Rendezvous with the asteroid Apophis on 18 March 2023, entering its orbit. After 220 days, the probe will depart and then proceed toward asteroid 2002EX11. Flyby is expected on 6 October 2025 at a 9.8 km/s speed. Third and final leg of its journey, the probe will make a rendezvous with asteroid 1996FG3 on 1 January 2027 and enter its orbit. After 180 days, the probe will eventually make landing on its surface on 30 June 2027.

Mar30. [Soyuz-2-1A](#) [Soyuz MS 19](#)

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|-------|--|--|
| Mar?? | Atlas 5 | NROL-107 Silentbaker |
| Apr?? | Atlas 5 402 / Falcon 9 | USCV-6 (US Commercial Vehicles) |
| ?? | CZ7 | TZ 4 Tianzhou 4 (Logistic Cargo Vechile) |
| ?? | CZ-5 B | Mengtian Lab module Space station module |
| ?? | CZ-2F/G | SZ-15 Shenzhou-15 |

May20. [Ariane 5ECA](#) **JUICE (JU)piter ICy moon Explorer)**

| | | |
|----------------|--------------------------|---|
| Apr?? | CZ-3B/G2 | LSTSAT (Nicasat 1) |
| June04. | SLS Block I | Orion: Exploration Mission 2 (Crew to Cislunar) Mission) |
| June?? | Ariane 5 | MTG-I2 |



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|---------------|--|--|
| ?? | Sunkar ?? | |
| ?? | Soyuz-2 | Progress MS 20 |
| Aug?? | H2B | Phobos sample return |
| Oct?? | Atlas 5 402 / Falcon 9 | USCV-7 (US Commercial Vehicles) |
| Aug?? | Atlas 5 411 | SBIRS-GEO 6 |
| Sep30. | Soyuz-2-1A | Soyuz MS 20 |
| Dec?? | Soyuz ST B/ Fregat -MT | MetOp-SG B1 |
| Dec?? | Vega C | FLEX (Fluorescence Explorer satellite) |
| ?? | Sunkar Federatsia (unmaned) | |
| ?? | Soyuz-2 | Progress MS 21 |
| ?? | Falcon 9 | GPS IIIA-9/GPS IIIB-1 |
| ?? | Falcon 9 | GPS IIIA-10/GPS IIIB-2 |
| ?? | Proton-M/Briz-M | Ekspress – AMU 5 |
| ?? | Proton-M/Briz-M | Ekspress – AMU 6 |
| ?? | Proton-M/Briz-M | Ekspress – RV 3, Ekspress – RV 4 |
| ?? | Angara 1.2 | Gonets x 3 |
| ?? | Proton-M/Briz-M | Eutelsat |
| ?? | Proton-M/Briz-M | Intelsat |
| ?? | Soyuz-2-1B/Fregat -M | Smotr R №2 |
| ?? | Soyuz-2- | Razdan 2 |
| ?? | Proton-M/Briz-M | Elektro L - 5 |
| ?? | Soyuz-2-1B/Fregat -M | Resurs PM - 1 |
| ?? | Angara A5/ Briz-M | Luch 5M |
| ?? | Ariane 5 | Moon's south pole samples return mission |
| ?? | Ariane 5 | Comsat NG 2 (Syracuse 4B) |
| ?? | Vega C | Space Rider 3 |
| ?? | Vega C | CryoSat FO |
| ?? | CZ | HY-3C Haiyang-3C |
| 2023. | | |
| ?? | Soyuz-2 | Progress MS 22 |
| Mar30. | Soyuz-2-1A | Soyuz MS 21 |
| Apr?? | Atlas 5 402 / Falcon 9 | USCV-8 (US Commercial Vehicles) |
| ?? | CZ7 | TZ 5 Tianzhou 5 (Logistic Cargo Vechile) |
| ?? | CZ-2F/G | SZ-16 Shenzhou-16 |
| ?? | Soyuz-2 | Progress MS 23 |
| ?? | Ariane 5 | MTG-S2/Sentinel-4A |



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Sep30. [Soyuz-2-1A](#) [Soyuz MS 22](#)

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

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

?? SLS Block IA II Orion: Exploration Mission 3 (Crew to Cislunar)

?? Sunkar Federatsia (unmanned flight to ISS)

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

?? [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

?? [Soyuz-2-1B/Fregat-M](#) Meteor M No2-5

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

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

?? [Vega](#) C Space Rider 4

?? [Soyuz ST](#) B/[Fregat](#)-MT Sentinel-1C

?? CZ SPORT (Solar Polar Orbit Radio Telescope)

?? CZ FY-4D Fengyun-4D

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

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

?? [Angara](#) A5P/DM03 Lutch 5 – 2

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

?? [Angara](#) A5P/DM03 Lutch 5 – 3

?? ?? Ямал GK 2

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

2024

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

Apr?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-10 (US Commercial Vehicles)

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

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

Oct?? EELV GOES-U

Oct?? [Atlas 5](#) 402 / [Falcon 9](#) USCVC-11 (US Commercial Vehicles)

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



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| | | |
|--------------|--|--|
| ?? | Sunkar | Federatsia (Light 14t – 2 man to ISS) |
| ?? | Soyuz-2 | Progress MS 25 |
| ?? | Soyuz-2 | Progress MS 26 |
| ?? | Soyuz-2 | Progress MS 27 |
| ?? | Soyuz-2 1b | Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover |
| ?? | 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 |
| ?? | CZ-5 | Chang'e-6 Moon polar area sample return |
| ?? | Lapan | Pengorbitan-1 (RPS-01) (Indonesia) |
| 2025 | | |
| Apr?? | Atlas 5 402 / Falcon 9 | USCV-12 (US Commercial Vehicles) |
| Oct?? | Atlas 5 402 / Falcon 9 | USCV-13 (US Commercial Vehicles) |
| ?? | SLS Block IA II | Orion: Exploration Mission 5 (Crew to Cislunar) |
| ?? | Soyuz-2-1A | Soyuz MS 25 |
| ?? | SLS Block I | Europa Clipper |
| ?? | Soyuz-2 1b | Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples |
| ?? | Soyuz-2-1B/Fregat-M | Resonans 2A, 2B, MKA-PN5 |
| ?? | ?? | Ямал GK VEO 2 |
| ?? | ?? | Ямал GK VEO 3 |
| ?? | Angara 1.2 | Gonets x 3 |
| ?? | Soyuz-2-1B/Fregat-M | Arktika M 5 |
| ?? | Soyuz-2-1B | Obzor O -2 |
| ?? | Soyuz-2-1B | Bion-M No. 3 |
| 2026. | | |
| Apr?? | Atlas 5 402 / Falcon 9 | USCV-14 (US Commercial Vehicles) |
| June?? | Angara A5P/KVTK | A mission to Venus (<i>Venera D</i>) would be launched |



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Oct?? [Atlas 5](#) 402 / [Falcon 9](#) USCX-15 (US Commercial Vehicles)

?? CZ Jupiter Orbiter
?? CZ Mars Sample Return
?? CZ Chang'e-8 (Moon north pole landing)

?? [Angara](#) A5/DM03 Bumerang (FobosGrunt 2)

2069.

?? ?? [Interstellar mission](#)