



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (2.3.2020.)

2020.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change on **02.Mar.2020.**

Mar02. 2030UTC Rocket v3.0 DARPA Launch Challenge 1

Launch site: [Pacific spaceport complex Alaska](#), USA

Mar05. 1213UTC [GSLV](#) F10 GISAT 1

Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India **160**

Mar06. 0133UTC [Soyuz-2 B \(VS24\)](#) Falcon Eye 2

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

Mar07. 0455UTC [Falcon 9](#) [Dragon](#) SpX-20

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

Mar11. 1440UTC [Falcon 9](#) Starlink v1 Flight 5

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

Mar15. 1827UTC [Soyuz-2-1B/Fregat](#) Glonass M 60

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

Mar18. Rocket v3.0 DARPA Launch Challenge 2

Launch site: [Pacific spaceport complex Alaska](#), USA

Mar19. 1922UTC [Atlas 5](#) 551 (AV-086) AEHF-6

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

Mar21. 1707UTC [Soyuz-2B/Fregat](#)-MTOneWeb smalsat (x34)

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

Mar24. 0150UTC [Vega](#) (VV16) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)

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

Mar26. [Electron](#) ElaNa; Andesite

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

Mar30. 2321UTC [Falcon 9](#) SAOCOM-1B, SAOCOM-1C

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

Mar30. [Proton-M/Briz-M](#) Ekspress 80, Ekspress 103

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

Mar?? Cosmic Girl / LauncherOne Test Launch

Launch site: [Spaceport America](#), USA

Mar?? [CZ-2C](#) Yaogan Weixing – 30 Group 6

Launch site: [Xichang](#), China

Mar?? [CZ-11](#) CX-6-1

Launch site: [Xichang](#), China



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| | | | |
|--|-------------------------------------|--|-----|
| Mar?? | Delta IV- | D MSP-5D3 F20 | |
| Mar?? | CZ-3B/YZ-1 | Beidou 3 G2Q | |
| Mar?? | CZ-7A | TJSW-6 | |
| ?? | KZ-1A | Xingyun-2 (01,02) | |
| Launch site: Jiuquan , China | | | |
| ?? | KZ-11 | Xiaoxiang-4 Jilin-1 (2A), gamma ray burst detection micro satellite, Xianrikui-1A, Xianrikui-1B, Yijian Duoxing, Xingyun-1 (01,02) | |
| Launch site: Jiuquan , China | | | |
| ?? | Atlas 5 551 | Asteroid Retrieval Spacecraft (ARS) | 140 |
| ?? | ?? | EX-3 | |
| ?? | H-IIA | JDRS-1 | |
| Apr05. | PSLV (C49) | RISAT-2BR2 + 4 Kleos + 4 Spiresats | |
| Launch site: Satish Dhawan Space Centre , Sriharikota, India | | | |
| Apr09. 0804UTC | Soyuz 2-1A | Soyuz MS 16 (S63/64) | |
| CDR: Анато́лий Алексе́евич Ива́нишин (Ivanishin) , Иван Викторович Вагнер (Vagner) , Christopher John Cassidy | | | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | |
| Apr10. | Soyuz-2 ST (VS25) | CSO-2 | |
| Launch site: Kourou , French Guiana | | | |
| Apr25. | Soyuz-2 | Progress MS 14 | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | |
| Apr29. 1100UTC | Falcon 9 | GPS IIIA-3 | |
| Launch site: Cape Canaveral , USA | | | |
| Apr?? | Firefly Alpha | first flight | |
| Launch site: Vandenberg , USA | | | |
| Apr?? | SSLV D1 | Microsat 2A | |
| Launch site: Satish Dhawan Space Centre , Sriharikota, India | | | |
| Apr?? | Minotaur IV | NROL 129 | |
| Launch site: Wallops Island , USA | | | |
| Apr?? | CZ-5B Y1 | New generation manned spacecraft | |
| Apr?? | CZ-3B/ | Palapa 1N | |
| ?? | Ariane 5 ECA | Eutelsat Quantum | |
| May07. | Falcon 9 (SPx-DM2) | Dragon v2 | |
| CDR: Robert Benkhen , Doug Hurley | | | |
| Launch site: Cape Canaveral , USA | | | |
| May?? | Soyuz-2 B/Fregat-MT | OneWeb smalsat (x36) | |
| Launch site: Восточный (Vostochniy) Cosmodrome, Russia | | | |
| May?? | H-2B (F10) | HTV9 | |
| May?? | ??CZ-8 | Taihu -1 | |
| May?? | Atlas 5 551 | AFSPC-7 (X-37B OTV 6) | |



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|--|--|--|----------|
| May?? | PSLV C51 | RISAT_1A | |
| May?? | CZ-3B/YZ-1 | Beidou 3 G3Q | 120 |
| May?? | Soyuz-2-1B/Fregat-M | Glonass K1 / 15 | |
| ?? | Atlas 5 422 (AV082) | CST-100 Starliner unmaned test | |
| ?? | CZ-2F/G | ?Experimental Spaceplane | |
| ?? | Falcon 9 | Anasis II | |
| June3. | Ariane 5 VA253 | Galaxy 30 / MEV-2 | |
| June?? | Delta IV-H | NROL-44 | |
| June?? | Vega | Seosat (Ingenio), TARANIS | |
| June?? | PSLV (C50) | Oceansat-3A | |
| June?? | Soyuz-2B/Fregat-MT | OneWeb smalsat (x36) | |
| June?? | Safir 1 B | Nahid-1 | |
| Launch site: Semnan , Iran | | | |
| ?? | ?? | Xidian -1 | |
| ?? | Angara A5/ Briz M | Kosmos | |
| ?? | Soyuz-2-1B/Fregat-M | Glonass K2 / 13 | |
| ?? | Soyuz-2-1B/Fregat-M | Glonass M / 61 | |
| ?? | SSLV D2 | Demo 2 | |
| July16 | Ariane 62 | OneWeb | |
| July17. 1300UTC | Atlas 5 (541) | Mars 2020 rover | |
| July23. | CZ-5 Y4 | Mars probe (orbiter + lander + 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. | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | |
| July?? | CZ-6A | Satellogic (1-13) | 100 |
| July?? | GSLV MK II | F12 | GISAT -2 |
| July?? | H-IIA | Hope (UAE mission to Mars) | |
| ?? | Falcon 9 | SiriusXM SX7 | |
| ?? | PSLV | Cartosat-3B | |
| ?? | PSLV | IRNSS-1J | |
| ?? | - inaugural flight - Vega-C | Lares 2 | |
| ?? | Ariane 5 | MTG-S1/Sentinel-4A | |
| Aug20. | Soyuz-2 | Progress MS 15 | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | |
| Aug?? | Soyuz-2 B/ Fregat-MT | OneWeb smalsat (x32) | |
| Aug?? | Falcon 9 | GPS IIIA-4 | |
| Aug?? | PSLV | HRSAT | |
| Aug?? | Soyuz-2 B / Fregat-M | CAS500-1; + | |
| ?? | Atlas 5 422 (AV083) | CST-100 Starliner | |
| CDR: Michael Fincke , Chris Ferguson , Nicole Aunapu Mann | | | |



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|-------|--|---|----|
| ?? | Ariane 5 | ViaSat 3 EMEA | |
| Sep?? | CZ | CBERS-6 | |
| Sep?? | Falcon 9 | GPS IIIA-5 | |
| Sep?? | ?? | GOES-T (National Security Space Launch program) | |
| Sep?? | Atlas 5 531 | NROL-101 | |
| Sep?? | Soyuz-2 1B / Fregat -M | Gonets x 3 (No 27,28,29) | |
| Sep?? | PSLV | Amazonia | 80 |
| ?? | Soyuz-2 -1B/ Fregat -M | Glonass K2 / 17 | |
| ?? | Ariane 5 ECA | GSAT-20 | |

Oct14. [Soyuz 2-1A](#) [Soyuz MS 17 \(S63/64\)](#)
 CDR: ??, ??, Stephen **Bowen**
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Oct20. [Falcon 9](#) FT [Dragon SpX-21](#)
 Launch site: [Cape Canaveral](#), USA

Oct30. [Antares 230](#) [Cygnus OA-14](#)
 Launch site: [Wallops Island](#), USA

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|-------|-----------------------------|-------------------|--|
| Oct?? | JL-1 | Hainan-1 (4) | |
| ?? | Falcon 9 | SARah 1 | |
| ?? | Falcon 9 | SiriusXM SX8 | |
| Nov?? | Atlas 5 402 | CST 100 Starliner | |

Cdr: John **Cassada**, Sunita **Williams**,

Nov?? [Soyuz ST](#) B/[Fregat](#)-MT (VS26) OneWeb smalsat (x34)
 Launch site: [Kourou](#), French Guiana

?? [CZ-3B/E](#) Apstar-6D
 Launch site: [Xichang](#), China

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|----|---------------------------------------|----------------------------|--|
| ?? | Delta IV -H | NROL-82 | |
| ?? | Atlas 5 551 | AFSPC-8 (GSSAP 5, GSSAP 6) | |
| ?? | Minotaur 1 | NROL 111 | |
| ?? | Vega-C Pleiades Neo 1, Pleiades Neo 2 | | |

Dec04. [CZ-5](#) Y5 [Chang'e-5 \(Sample return\)](#)

Dec09. [Soyuz-2-1B](#) / [Fregat](#) [Arktika-M](#)
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Dec11. [Soyuz-2](#) [Progress MS 16](#)
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Dec?? [Proton-M](#) MLM
 Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

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). 60



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| Dec?? | Soyuz-2 1B / Fregat -M | Tundra (Kupol) 4 | |
| ?? | Angara A5/ DM 03(Persei) | Kosmos | |
| ?? | Falcon 9 FT | Dragon SpX-22 | |
| ?? | ?? | PACE | |
| ?? | ?? | EX-4 | |
| ?? | ?? | ACE | |
| ?? | ?? | HyspIRI | |
| ?? | Antares | IMAP/STP-05 | |
| ?? | Falcon H | ViaSat 3 | |
| ?? | Falcon 9 | KPLO (Korea Pathfinder Lunar Orbiter) | |
| ?? | Atlas 5 551 | STP-03 | |
| ?? | Atlas 5 551 | AFSPC-12 (WFOV (Wide Field of View Testbed missile-warning satellite)) | |
| ?? | Soyuz-2 -1A/ Fregat | 14F01 (Neutron) | |
| Launch site: Плесецк (Plesetsk) Cosmodrome, Russia | | | |
| ?? | Soyuz-2 1A | Bars-M 3 | |
| Launch site: Плесецк (Plesetsk) Cosmodrome, Russia | | | |
| ?? | Soyuz-2 1B / Fregat -M | Tundra (Kupol) 5 | |
| ?? | Soyuz-2 1B / Fregat -M | Tundra (Kupol) 6 | |
| ?? | Soyuz-2 1A | Bars-M 4 | |
| ?? | Soyuz-2 -1B | Pion | |
| ?? | Soyuz-2 - | Razdan 1 | |
| ?? | Soyuz-2 -1V | ?? | 40 |
| ?? | Soyuz-2 -1V | ?? | |
| ?? | Soyuz-2 -1V | ?? | |
| ?? | Angara 1.2 | Kosmos | |
| ?? | Soyuz-2 -/ Fregat -MT | OneWeb smalsat (x34) | |
| ?? | Soyuz-2 B/ Fregat -MT | OneWeb smalsat (x34) | |
| ?? | Soyuz-2 B/ Fregat -MT | OneWeb smalsat (x34) | |
| ?? | Soyuz-2 B/ Fregat -MT | OneWeb smalsat (x34) | |
| ?? | Soyuz-2 B/ Fregat -MT | OneWeb smalsat (x32) | |
| ?? | Ariane 5 | Arsat 3 | |
| ?? | Ariane 5 | ViaSat-3 Asia | |
| ?? | Ariane 5 ECA | EDRS-D | |
| ?? | Ariane 5 ECA | Star One D2 | |
| ?? | CZ | FY-4C Fengyun-4C | |
| ?? | CZ | HY-3B Haiyang-3B | |
| ?? | ?? | Hainan-1 (5) | |
| ?? | ?? | Hainan-1 (6) | |
| ?? | ?? | Sanya-1 (1) | |
| ?? | ?? | Sanya-1 (2) | |
| ?? | ?? | Gaofen-5 (2) | |



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|--|---------------------------|--------------------------------|---|
| ?? | CZ | FY-3F Fengyun-3F (Batch 2) | 20 |
| ?? | CZ | FY-3 Fengyun-3 RM-2 | |
| ?? | CZ-2D | SJ-19 Shijan-19 | |
| ?? | CZ-11 | CAS-4A, CAS-4B | |
| Launch site: Taiyuan , China | | | |
| ?? | CZ | FY-4B Fengyun-4B | |
| ?? | CZ-2C | HY-1D Haiyang-1D | |
| ?? | CZ-4B | HY-2C Haiyang-2C | |
| ?? | CZ-11 | Fengtai Shaonian-02 | |
| ?? | CZ-2D | CAS 6 | |
| ?? | CZ | CBERS-SAR 1 | |
| ?? | CZ-4C | FY-3E Fengyun-3E | |
| ?? | GSLV | MK II F11 | GSAT-10A |
| Launch site: Satish Dhawan Space Centre , Sriharikota, India | | | |
| ?? | GSLV | | GSAT - 32 |
| ?? | PSLV | | ScatSat, NovaSAR |
| ?? | PSLV | | EnMap |
| ?? | PSLV | XL | Aditya' |
| ?? | H-IIA | | Astro H2 (Hitomi-2), SLIM (Smart Lander for Investigating Moon) |
| ?? | H-IIA | 204 | Inmarsat-6 F1 |
| ?? | Safir 1 B | | Tadbir |
| ?? | Safir 3A | | Pars sepher |

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2021.

Jan14. [Atlas 5](#) **Landsat 9**

Jan?? [Falcon 9](#) [Dragon v2](#) (USCV-1)
 Cdr: Victor **Glover**, Mike **Hopkins**, Soichi **Noguchi**

Feb?? [Falcon 9](#) GPS IIIA-6
 Feb?? [Falcon H](#) AFSPC-44
 Feb?? [Soyuz-2](#) B/[Fregat](#)-MT OneWeb smalsat (x34) **100**

?? [GSLV](#) MK II Chandrayan-3

?? [Electron](#)/Photon CAPSTONE (Cislunar Autonomous Positioning System Technology Operations and Navigation Experiment)
 Launch site: [Wallops Island](#), USA

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



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|--|--|---|----|
| Mar?? | Atlas 5 411 | SBIRS-GEO 5 | |
| Mar?? | Soyuz-2 | Progress MS 17 | |
| Mar?? | Soyuz-2 B/ Fregat -MT | OneWeb smalsat (x32) | |
| Apr?? | Soyuz-2 -1A | Soyuz MS 18 | |
| Cdr: Сергей Николаевич Рыжиков , Сергей Владимирович Кудь-Сверчков | | | |
| Apr?? | Ariane 62 | Galileo-FOC FM23, Galileo-FOC FM24 | |
| Apr?? | Falcon 9 | IXPE (Imaging X-ray Polarimetry Explorer) | |
| ?? | Soyuz-2 1B / Fregat -M | Resurs №4 | |
| May?? | Soyuz-2 | Progress MS 18 | |
| May?? | Antares 230 | Cygnum OA-15 | |
| ?? | CZ-5B Y2 | Tian He Space Station Core Module | |
| ?? | CZ-2F/G | SZ-13 Shenzhou-13 | |
| 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) | |
| June?? | Angara 1.2 | Kompsat-6 | |
| June?? | Falcon 9 FT | Dragon SpX-23 | |
| June?? | Atlas 5 402 | USCV-2 (US Commercial Vehicles) | |
| ?? | CZ7 | TZ 2 Tianzhou 2 (Logistic Cargo Vehicle) | 80 |
| ?? | CZ-2F/G | SZ-12 Shenzhou-12 | |
| ?? | Soyuz-2 | Progress MS 19 | |
| ?? | 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 | |
| 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 | |
| Sep?? | Atlas 5 552 | Dream Chaser Cargo System SNC-1 | |
| ?? | Delta IV -H | NROL-91 | |
| Oct16. | Atlas 5 401 | Lucy | |
| Oct?? | Soyuz-2 -1A | Soyuz MS 19 | |
| CDR: Олэг Вікторовіч Новіцкі , Пётр Валерьевіч Дубров | | | |
| Oct?? | Atlas 5 401/ Falcon 9 v1.1 | JPSS Free Flyer 2 (TSIS-2) | |
| Oct?? | Ariane 62 | CSO-3 | |
| Oct?? | Antares 230 | Cygnum OA-16 | |



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|---|---|---|---|
| ?? | Soyuz-2-1A | Soyuz MS 20 | |
| ?? | Soyuz-2 1B | Progress M-UM | 60 |
| ?? | Falcon 9 | PACE | |
| Dec?? | Falcon 9 | Dragon v2 USCV-3 (US Commercial Vehicles) | |
| CDR: Lindgren , ??(NASA), ??(RF) | | | |
| Dec?? | Vega C KOMPSAT 7 | | |
| Dec?? | GSLV-Mk III. | Gaganyaan-3 | |
| Dec?? | Falcon 9 | NROL-85 Intruder 13A713B | |
| Dec?? | Falcon 9 | NROL-87 | |
| ?? | SLS-1 | Artemis-1 | Orion (unmanned trip around the Moon) Exploration Mission 1 |
| (Distant Retrograde Orbit (DRO) Tactical DRM) | | | |
| ?? | Ariane 5 | MTG-I1 | |
| ?? | Atlas 5 552 | Dream Chaser Cargo System SNC-2 | |
| ?? | ?? | Seosat-Ingenio-2 | |
| ?? | Vega | OpSis | |
| ?? | Vega_C | CERES (x3) | |
| ?? | Vega | SSMS – 2 (Small Spacecraft Mission Service) | |
| ?? | Vega | Proba 3 | |
| ?? | Vega C Cosmo-SkyMed Secon Gen 2 | CSG-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/Briz-M | Ekspress AMU 3 / Ekspress AMU 7 | 40 |
| ?? | Proton-M/Briz-M | Elektro L – 4 | |
| ?? | Proton-M/Briz-M | Space Drone x2 | |
| ?? | Proton-M/Briz-M | Inmarsat-6 F2 | |
| ?? | Proton-M/Briz-M | Kosmos | |
| ?? | Soyuz-2 1A | Energiya-100 | |
| ?? | Soyuz-2-1B/Fregat-M | Meteor M No2-4 | |
| ?? | Soyuz-2-1B/Fregat-M | Smotr R №1 | |
| ?? | Proton-M/Briz-M | IntelSat | |
| ?? | Soyuz-2-1B/Fregat-M | Arktika M 2 | |
| ?? | Soyuz-2-1B/Fregat-M | Kondor-FKA n.º 2 | |
| ?? | Soyuz-2 1B /Fregat-M | Resurs №5 | |
| ?? | Angara A5/ Briz-M | Luch 5M | |
| ?? | 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 | |
| ?? | Soyuz-2-1A/Fregat-M | Gonets x 6 | |



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

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|----|----------------------------|----------|----|
| ?? | Soyuz-2-1B | Lotos S1 | |
| ?? | Soyuz-2-1B | Persona | |
| ?? | Soyuz-2-1A | Kobalt M | 20 |
| ?? | Soyuz-2-1A | Foton M | |

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

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

| | | |
|----|--------------------------------------|---------------------------------------|
| ?? | 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-2 B/Fregat-MT](#) OneWeb smalsat (x32)

?? [Vega C](#) CNES/UAE Mars mission
?? [Vega-C](#) Pleiades Neo 3, Pleiades Neo 4

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

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|----|----|----------------------------|
| ?? | CZ | Venus Global Sensing Probe |
| ?? | CZ | FY-3G Fengyun-3G (Batch 2) |
| ?? | ?? | Sansha-1 (1) |
| ?? | ?? | Sansha-1 (2) |

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2022.

Jan?? ?? Solar Sentinels

?? [Soyuz-2](#) [Progress MS 21](#)

?? [CZ-5 B](#) Wentian Lab module Space station module

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.

Mar?? [Atlas 5](#) NROL-107 Silentbaker

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|----|---------|--|
| ?? | CZ7 | TZ 3 Tianzhou 3 (Logistic Cargo Vehicle) |
| ?? | CZ-2F/G | SZ-14 Shenzhou-14 |



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Apr?? [Soyuz-2-1A](#) [Soyuz MS 21](#)
 CDR: ??Николай Владимирович **Тихонов** (Nikolai **Tikhonov**), Андрей Николаевич **Бабкин** (Andrei **Babkin**),

Apr?? [CZ-3B/G2](#) LSTSAT (Nicasat 1)

?? CZ7 TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)
 ?? [CZ-5 B](#) Mengtian Lab module Space station module
 ?? CZ-2F/G SZ-15 Shenzhou-15

May20. [Ariane 5ECA](#) [JUICE \(JUperiter ICy moon Explorer\)](#)

June04. [SLS Block I](#) [Orion: Exploration Mission 2 \(Crew to Cislunar\) Mission\)](#)

June?? Ariane 5 MTG-I2
 June?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

?? SLS-1 Artemis-2 Orion (manned trip around the Moon)

?? Sunkar ??
 ?? [Soyuz-2](#) [Progress MS 20](#)

Aug?? H2B Phobos sample return
 Aug?? [Atlas 5](#) 411 SBIRS-GEO 6

Oct?? [Soyuz-2-1A](#) [Soyuz MS 22](#)

Oct?? [Vega](#) C Biomass

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

Dec?? [Soyuz ST B/Fregat](#)-MT MetOp-SG B1
 Dec?? [Vega](#) C FLEX (Fluorescence Explorer satellite)
 Dec?? [Delta IV-H](#) NROL-68
 Dec?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-5 (US Commercial Vehicles)
 Dec ?? [Soyuz 5 / DM](#) ??

?? 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](#) HЭM-1
 ?? [Proton-M/Briz-M](#) Ekspres – AMU 5
 ?? [Proton-M/Briz-M](#) Ekspres – AMU 6
 ?? [Proton-M/Briz-M](#) Ekspres – RV 3, Ekspres – RV 4

?? [Proton-M/Briz-M](#) Yenisey A1
 ?? [Proton-M/Briz-M](#) Ямал-501
 ?? [Proton-M/Briz-M](#) Ямал-GK-1
 ?? [Proton-M](#) PTK NP
 ?? [Proton-M/Briz-M](#) Ekspres-RV1, Ekspres-RV2
 ?? [Proton-M/Briz-M](#) Ekspres AMU 4



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|--------------|--|---|
| ?? | Proton-M/Briz-M | Anik G2V |
| ?? | Proton-M/Briz-M | Luch-5VM 1 |
| ?? | Proton-M/Briz-M | Luch-5VM 2 |
| ?? | 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 |
| ?? | Ariane 5 | Moon's south pole samples return mission |
| ?? | Ariane 5 | Comsat NG 2 (Syracuse 4B) |
| ?? | Vega_CSpace Rider flight 1 | |
| ?? | Vega_CSpace Rider flight 2 | |
| ?? | Vega C CryoSat FO | |
| ?? | CZ | Xuntian (Two Meter Space Telescope) |
| ?? | CZ | HY-3C Haiyang-3C |
| 2023. | | |
| ?? | Soyuz-2 | Progress MS 22 |
| Apr?? | Soyuz-2-1A | Soyuz MS 24 |
| ?? | CZ7 | TZ 5 Tianzhou 5 (Logistic Cargo Vehicle) |
| ?? | CZ-2F/G | SZ-16 Shenzhou-16 |
| June?? | Atlas 5 402 / Falcon 9 | USCV-6 (US Commercial Vehicles) |
| ?? | Soyuz-2 | Progress MS 23 |
| ?? | Ariane 5 | MTG-S2/Sentinel-4A |
| Oct?? | Soyuz-2-1A | Soyuz MS 25 |
| Dec?? | Atlas 5 402 / Falcon 9 | USCV-7 (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 | Ekspress – 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 |



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|-------------|--|---|--|
| ?? | Soyuz-2-1B/Fregat-M | Resurs PM - 2 | |
| ?? | Vega | C Space Rider 3 | |
| ?? | 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 | Shukrayaan (Venus orbiter) | |
| ?? | 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 | | | |
| Jan?? | Delta IV-H | | NROL-70 |
| Apr?? | Soyuz-2-1A | Soyuz MS 26 | |
| June?? | Atlas 5 402 / Falcon 9 | | USCV-8 (US Commercial Vehicles) |
| ?? | CZ7 | TZ 6 Tianzhou 6 (Logistic Cargo Vehicle) | |
| Sep?? | GSLV MK III | Mangalyaan - 2 Mars Orbiter | |
| Oct?? | Soyuz-2-1A | Soyuz MS 27 | |
| Oct?? | EELV | GOES-U | |
| Dec?? | Atlas 5 402 / Falcon 9 | | USCV-9 (US Commercial Vehicles) |
| ?? | SLS-1 | Artemis-3 | Orion (EM-3 Crew to Gateway with landing on Moon) |
| ?? | 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 | |



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|----|-------------------------------------|---|
| ?? | 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

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|--------|--|--|
| June?? | Atlas 5 402 / Falcon 9 | USCV-10 (US Commercial Vehicles) |
| ?? | SLS-1B Artemis-4 | Orion (EM-4 Crew to Gateway with landing on Moon) |
| Dec?? | Atlas 5 402 / Falcon 9 | USCV-11 (US Commercial Vehicles) |
| ?? | SLS Block IA II | Orion: Exploration Mission 5 (Crew to Cislunar) |
| ?? | Soyuz-2-1A | Soyuz MS 28 |
| ?? | 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.

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|----------|--|--|
| June?? | Atlas 5 402 / Falcon 9 | USCV-12 (US Commercial Vehicles) |
| Dec?? | Atlas 5 402 / Falcon 9 | USCV-13 (US Commercial Vehicles) |
| ??June?? | Angara A5P/KVTK | A mission to Venus (<i>Venera D</i>) would be launched |
| ?? | SLS-1B Artemis-5 | Orion (EM-5 Crew to Gateway with landing on Moon) |
| ?? | SLS-1B Artemis-6 | Orion (EM-6 Crew to Gateway with landing on Moon) |
| ?? | CZ | Jupiter Orbiter |
| ?? | CZ | Mars Sample Return |
| ?? | CZ | Chang'e-8 (Moon north pole landing) |
| ?? | Angara A5/DM03 | Bumerang (FobosGrunt 2) |

2027.



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June?? [Atlas 5](#) 402 / [Falcon 9](#) USC-14 (US Commercial Vehicles)

2069.

?? ?? [Interstellar mission](#)