



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (4.6.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 04.June.2018.

June04. 0429UTC [Falcon 9](#) [SES-12](#)

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

June05. 1310UTC [CZ-3A](#) [FY-2H Fengyun-2H](#)

Launch site: [Xichang](#), China

June06. 1112UTC [Soyuz-2 1A](#) [Soyuz MS 9 \(S56/57\)](#)

CDR: Сергей Валерьевич **Прокопьев** (Sergei Valerevich **Prokopyev**), Serena **Auñón-Chancellor**, Alexander **Gerst**

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

June11. 0400UTC [H-2A](#) [IGS Radar-6](#)

Launch site: [Tanegashima](#), Japan

June14. 1406UTC [Pegasus-XL](#) [ICON \(Helio EX-1\)](#)

Launch site: [Kwajalein Atoll](#), USA

120

June17. [Soyuz-2-1B/ Fregat-M](#) [Glonass-M 59](#)

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

June23. 0300UTC [Electron](#) [Outerspace 1, Lemur](#)

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

June28. 1003UTC [Falcon 9](#) [Dragon SpX-15](#)

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

June?? [Rokot / Briz KMGeo IK 2](#) 13L

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

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

Launch site: [Taiyuan](#), China

[Pakistani Remote Sensing Satellite \(PRSS\) 1](#)

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

Launch site: [Xichang](#), China

[Beidou 3](#) MEO M7, [Beidou 3](#) MEO M8

?? KZ-11

Xiaoxiang-4

July09. 2151UTC [Soyuz-2 1A](#) [Progress MS 9](#)

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

July09. [Falcon 9](#) [Iridium Next Flight 7 \(x10\)](#)

July25. 1124UTC [Ariane 5 ES \(VA243\)](#) [Galileo-FOC FM19 \(Tara\)](#), [Galileo-FOC FM20 \(Samuel\)](#), [Galileo-FOC FM21 \(Anna\)](#), [Galileo-FOC FM22 \(Ellen\)](#)

??July31. 0815UTC [Delta 4-H](#)

[Parker Solar Probe](#)

July?? [Soyuz-2 1A](#)

[Bars-M 3](#)



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| | | | |
|--|--|--|--|
| July?? | Soyuz-2-1B/ Fregat-M | Glonass-M 56 | |
| July?? | CZ-3B/YZ-1 | ZX-6C Zhongxing-6C | |
| July?? | GSLV MK III | D2 | GSAT-29 |
| July?? | Falcon 9 | | Telstar 19 |
| July?? | Falcon 9 | | Telstar 18 |
| ?? | CZ-3B/YZ-1 | Beidou 3 MEO M9, Beidou 3 MEO M10 | |
| ?? | KZ-1A | Jilin 1-09 | |
| ?? | KZ-1A | Jilin 1-10 | 100 |
| ?? | KZ-1A | Jilin 1-11 | |
| ?? | KZ-1A | Jilin 1-12 | |
| Aug16. | H-2B (F7) | | HTV7 |
| Aug21. 2120UTC | Vega (VV12) | | Aeolus / ADM |
| Aug?? | Ariane 5 ECA | Azerspace 2 (Intelsat 38) | |
| Launch site: Kourou , French Guiana | | | |
| Aug?? | CZ-3C | Beidou 2 I7 | |
| Aug?? | CZ-11 | OKW-2 | |
| Aug?? | Falcon 9 | Telkom 4 | |
| Aug?? | Falcon 9 | Es'hail 2 | |
| ?? | PSLV C42 | ?? | |
| ?? | Rokot / Briz KM | Rodnik | |
| ?? | Falcon 9 | Iridium Next Flight 8 (x10) | |
| ?? | Electron | ELaNa, ... | |
| Sep12. 1246UTC | Delta II 7320-10C | | ICESat-II |
| Sep19. 0047UTC | Soyuz ST B/Fregat-M | | MetOp-C |
| Sep26. | Delta 4-H | | NROL-71 KH11 17 (Cristal 17) |
| Sep30. | Falcon 9 | | Spaceflight SSO-A |
| Sep?? | CZ-2C | CFOSAT (China-France Oceanography SATellite) | |
| Sep?? | Falcon 9 | SAOCAM-1A, ITASAT-1 | |
| Sep?? | GSLV MK II | F12 | GSAT-7A |
| Sep?? | CZ-11 | CAS-6 | 80 |
| ?? | Ariane 5 ECA | Eutelsat 7C | |
| ?? | Falcon 9 | OHB SARah satellite (x2) | |
| ?? | Ariane 5 ECA | Hellas-Sat-4 | |
| ?? | Proton-M/Briz-M | EutelSat 5 West B / MEV | |
| ?? | H-2A | GOSAT-2 | |
| ?? | Ariane 5 ECA | GEO-KOMPSAT-2A (GK2A, Cheollian 2A) | |
| Oct05. | Ariane 5 | | BepiColombo ESA and ISAS Mercury Orbiters |
| Oct05. | Atlas 5 (531) (AV073) | | AEHF-4 |
| Oct11. 0840UTC | Soyuz-2 1A | Soyuz MS 10 (S57/58) | |
| CDR: Алексей Николаевич Овчинин (Aleksei Nikolaevich Ovchinin), Tyler Hague | | | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | |



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| Oct22. | Proton-M/Briz-M | Elektro L – 3 | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | |
| Oct30. | Falcon Heavy | STP-02 | |
| Oct31. 0053 UTC | Soyuz-2 1A | Progress MS 10 | |
| Oct?? | Rokot / Briz KM | Gonets x 3 (No 24,25,26), Blits-M | |
| Launch site: Плесецк (Plesetsk) Cosmodrome, Russia | | | |
| Oct?? | GSLV Mk II D9 | Chandrayaan 2 | |
| Launch site: Satish Dhawan Space Centre , Sriharikota, India | | | |
| Oct?? | Soyuz-2-1B/Fregat-M | Glonass-M 60 | |
| Oct?? | Falcon 9 | GPS III-1 | |
| Oct?? | Falcon 9 | Radarsat C-1, -2, C-3 | |
| ?? | Falcon 9 (SPx-DM1) | Dragon v2 unmanned test | |
| ?? | Ariane 5 | Horizon 3e | 60 |
| Nov18. | Falcon 9 FT | Dragon SpX-16 | |
| Nov21. | Antares 230 | Cygnus Orb-10E | |
| Nov27. | Atlas 5 N22 (AV80) | CST-100 Starliner (unmanned test) | |
| Nov?? | Vega | Prisma | |
| Launch site: Kourou , French Guiana | | | |
| Nov?? | CZ-5 Y3 | SJ-18 02 (DFH-5 platform) | |
| Nov?? | Soyuz ST B/ Fregat -MT | OneWeb smalsat (x10) | |
| Nov?? | Proton-M/Briz-M | Blagovest 13 | |
| ?? | Epsilon (4) | Inovative Technology Demonstration Satellite – 1, OrigamiSat-1 | |
| Launch site: Tanegashima , Japan | | | |
| ?? | Minotaur 1 | NROL 111 | |
| ?? | CZ-2D | GF-7 Gaofen-7 | |
| ?? | CZ-3B/E | Apstar-6D | |
| ?? | Falcon 9 | PSN VI | |
| Dec13. | Delta IV-M (5,4) | WGS 10 | |
| Dec20. 0452UTC | Soyuz-2 1A | Soyuz MS 11 (S58/59) | |
| CDR: Олѐг Дмїтриевич Кононѐнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques | | | |
| Dec31. | Falcon 9 (SPx-DM2) | Dragon v2 | |
| CDR: Eric Boe , Sunita Williams | | | |
| Dec?? | CZ-3B/GIII | Chang'e-4 (Moon far side Aitken Basin lander/rover) | |
| Dec?? | Soyuz ST B/ Fregat -MT | CHEOPS (Characterising EXOPlanet Satellite) | |
| Dec?? | Soyuz-2-1B/Fregat M | Meridian 18L | |
| Dec?? | Soyuz-2-1B/ Fregat -M | Glonass K 15 | |
| Dec?? | Soyuz-2 1A / Fregat | Kanopus V 5, Kanopus V 6 | 40 |



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|---|---------------------------------------|--|-------|
| ?? | Zenit 3 SL /Fregat-SB | Lybid' | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | |
| ?? | Minotaur-4 | FORMOSAT-7 (6 sat) | |
| ?? | Atlas 5 | AEHF 5 | |
| ?? | Soyuz-2 1B /Fregat-M | Neutron (Kosmos) | |
| ?? | Angara A5/ Briz-M | Kosmos (Repei) | |
| ?? | Vega | MN35-13 B Morocco EO Sat 1 2 | |
| ?? | Ariane 5 ECA | GSAT-11 | |
| ?? | Soyuz ST B/Fregat-MT | Cosmo-SkyMed Secon Gen 1 | CSG-1 |
| ?? | CZ-3B/YZ-1 | Beidou 3 MEO M11, Beidou 3 MEO M12 | |
| ?? | CZ-3B/YZ-1 | Beidou 3 MEO M13, Beidou 3 MEO M14 | |
| ?? | CZ-3B/YZ-1 | Beidou 3 MEO M15, Beidou 3 MEO M16 | |
| ?? | ?? | Taurus-1 | |
| Launch site: Taiyuan , China | | | |
| ?? | CZ-2D | SJ-12 Shijian-12 (2) | |
| ?? | CZ-2D | TH-2 Tianhui-2 | |
| ?? | CZ-2C | CSES-1 Earthquake electromagnetism monitor satellite | |
| ?? | ?? | VeneSat-2 | |
| ?? | CZ-3B/E | CC-1 Changcheng-1 | |
| ?? | CZ | Deep Space Solar Observatory | |
| ?? | CZ-2 | CAS-2A1, CAS-2A2 | |
| ?? | CZ-3B/E | CongoSat 1 | 20 |
| ?? | ?? | 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-?? | CAS-4A, CAS-4B | |
| Launch site: Taiyuan , China | | | |
| ?? | CZ-4B | HY-1D Haiyang-1D | |
| ?? | CZ-4B | HY-2B Haiyang-2B | |
| ?? | CZ-3C | Beidou 3 G8 | |
| ?? | CZ | Orbita-1 1 | |
| ?? | CZ | Huaizong-1 | |
| ?? | LS-1 | LandSpace-1 (China) | |
| ?? | CZ-2D | SaudiSAT 5B | |
| ?? | CZ | YG-32 Yaogan Weixing 32 | |
| ?? | CZ?? | Tianzhi-1 | |



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?? [PSLV](#) Cartosat-3

?? [Simorgh](#) [Dosti](#)

Launch site: [Semnan](#), Iran

?? [Safir 1 B](#) Tadbir

?? Safir 3A Pars sepher

?? [Unha-3](#) Kwangmyŏngsŏng-5

10 + 19

48 + 124

2019.

Jan?? [Proton-M/Briz-M](#) Ямал-601

?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C

?? [Soyuz-2-1B/Fregat-M](#) Meteor M-2-2, Ionosfera 3, Ionosfera 4

Feb07. 0920UTC [Soyuz-2](#) [Progress MS 11](#)

Feb?? [CZ-3C](#) Beidou 3 I1Q

Feb?? [Atlas 5](#) 551 (AV-086) AEHF-6

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

Launch site: Восточный (Vostochniy), Cosmodrome, Russia

?? [Vega](#) SSMS POC (Small Spacecraft Mission Service Proof Of Concept)

Mar?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B

Mar?? [Falcon 9](#) GPS IIIA-2

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

?? [Atlas 5](#) 422 (AV082) CST-100 Starliner

CDR: Douglas **Hurley**, Robert **Behnken**

?? [Soyuz ST B/Fregat-MT](#) OneWeb smalsat (x32)

?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13

?? [Soyuz-2-1B](#) EgyptSat A

?? [CZ-3C](#) Beidou 3 G1Q

?? [CZ-3B/YZ-1](#) Beidou 3 MEO M17, Beidou 3 MEO M18

?? [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.

Apr05. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Christina Hammock **Koch**

Apr?? ?? GOES-T **100**

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

Apr?? [CZ-3C](#) Beidou 3 I2Q

Apr?? [Atlas 5](#) 531 [Cygnus](#) OA-11



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|--|--|--|----|
| Apr?? | Falcon 9 | Dragon v2 (USCV-1) with 2 astronauts | |
| Apr?? | Soyuz-2 | Progress MS 12 | |
| May?? | Atlas 5 402 | CST 100 Starliner (USCV-2) with 2 astronauts | |
| May?? | Falcon 9 FT | Dragon SpX-18 | |
| May?? | CZ | CBERS-4A | |
| May?? | Ariane 5 ECA | EDRS-C (Hylas 3) | |
| June?? | Atlas 5 551 | STP-03 | |
| June?? | CZ-5 B | Test flight | |
| ?? | PSLV | RISAT 1A | |
| ?? | CZ-3B/G2 | TECSTAR 1 | |
| ?? | SSLV | ?? | |
| ?? | Soyuz ST B/Fregat-MT | O3b (FM17-20) | |
| ?? | GSLV MK II F10 | GISAT | |
| ?? | Ariane 5 | Inmarsat-5 F5 | |
| ?? | Ariane 5 ECA | Eutelsat Quantum | |
| July?? | Soyuz 2-1A | Soyuz MS 13 (S60/61) | |
| CDR: Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA) | | | |
| July?? | CZ-3C | Beidou 3 I3Q | |
| July?? | H-2B (F9) | HTV8 | 80 |
| Aug28. | Soyuz-2 1A | Soyuz GVK | |
| Aug?? | Soyuz ST B/ Fregat -MT | EarthCare | |
| ?? | Delta IV | GPS IIIA-3 | |
| Sep?? | Atlas 5 552 | Dream Chaser Cargo System SNC-1 | |
| Late - inaugural flight - Vega-C - Kourou ZLV | | | |
| Oct?? | Soyuz 2-1A | Soyuz MS 14 (S61/62) | |
| ??CDR: Борисенко (Andrei Borisenko), Чуб , (Nikolai Chub), Christina Koch | | | |
| Oct?? | CZ-3B /YZ-1 | Beidou 3 MEO M19, Beidou 3 MEO M20 | |
| Oct?? | Soyuz-2 1B / Fregat -M | Gonets x 3 (No 27,28,29) | |
| Oct?? | Soyuz-2 1B / Fregat -M | Resurs №5 | |
| Oct?? | Falcon 9 FT | Dragon SpX-19 | |
| ?? | Ariane 5 | JCSat 17 | |
| Nov29. | Soyuz-2 1a / Fregat | Luna 25 (Luna-Glob-1) | |
| Nov?? | Falcon 9 | USCV-3 (US Commercial Vehicles) | |
| CDR: ??(NASA), ??(NASA), ??(RF) | | | |
| Nov?? | Proton-M | MLM | |
| ?? | Soyuz-2 -1B/ Fregat -M | Glonass K2 / 14 | |
| ?? | Proton-M / Briz-M | Blagovest 14 | |
| ?? | Falcon 9 | GPS IIIA-4 | |
| ?? | Vega | Seosat (Ingenio) | |
| ?? | Vega - C | ?? | |



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|-------|--------------------------------------|---|----|
| Dec?? | CZ-3B/YZ-1 | Beidou 3 MEO M21, Beidou 3 MEO M22 | 60 |
| Dec?? | Proton-M/Briz-M | Ekspress 80, Ekspress 103 | |
| Dec?? | Soyuz-2 1B /Fregat-M | CAS500-1 | |
| Dec?? | Falcon H | Arabsat 6A | |
| ?? | Atlas 5 551 | AFSPC-7 (X-37B OTV 6) | |
| ?? | Falcon 9 | Astrium active SARah satellite | |
| ?? | Atlas 5 551 | Asteroid Retrieval Spacecraft (ARS) | |
| ?? | ?? | EX-3 | |
| ?? | Falcon 9 | GiSat-1 | |
| ?? | Ariane 5 ECA | Eutelsat BB4A (African Broadband Satellite) | |
| ?? | Ariane 5 ECA | Intelsat 39 | |
| ?? | Ariane 5 ECA | Star One D2 | |
| ?? | Soyuz ST B/Fregat-MT | CSO 1 (Composante Spatiale Optique-1) | |
| ?? | Vega | OpSis | |
| ?? | Vega | Falcon Eye 1 | |
| ?? | Vega | Falcon Eye 2 | |
| ?? | Proton-M/Briz-M | SkyTerra 2 | |
| ?? | Proton-M/Briz-M | Luch 5M | |
| ?? | Proton-M/Briz-M | Yenisey A1 | |
| ?? | Soyuz-2 1B /Fregat-M | Glonass-M 61 | |
| ?? | Proton-M/ DM-03 | Glonass-M/ 56,57,58 | 40 |
| ?? | Soyuz-2 1B /Fregat-M | Glonass K1 / 17 | |
| ?? | Proton-M/ DM-03 | Glonass-M/K18,K19,K20 | |
| ?? | Proton-M/ DM-03 | Glonass-M/K21,K22,K23 | |
| ?? | Soyuz-2 1B /Fregat-M | Glonass K1 / 16 | |
| ?? | Proton-M/ DM-03 | Glonass K | |
| ?? | Proton-M/Briz-M | Ямал-501 | |
| ?? | Proton-M/Briz-M | EutelSat | |
| ?? | Proton-M/Briz-M | IntelSat | |
| ?? | Soyuz-2-1B/Fregat M | Meridian 19L | |
| ?? | Soyuz-2- | Razdan 1 | |
| ?? | Angara 1.2 | Kosmos | |
| ?? | Proton-M/Briz-M | Kosmos | |
| ?? | Proton-M/Briz-M | Ямал-GK-1 | |
| ?? | Proton-M/Briz-M | Anik G2V | |
| ?? | Proton-M | PTK NP | |
| ?? | Soyuz-2-1B | Obzor R -1 | |
| ?? | Soyuz-2 1A | Energiya-100 | |
| ?? | Soyuz-2-1B | Pion | |
| ?? | Soyuz-2-1B/ Fregat-M | Glonass K2 | |
| ?? | Soyuz-2-1B/Fregat | Glonass K2 | 20 |



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| ?? | Proton-M/ DM-03 | Glonass-M |
| ?? | Soyuz-2-1B | Arktika |
| ?? | Soyuz-2 1B / Fregat -M | Resurs №4 |
| ?? | Soyuz-2-1B / Fregat -M | Kondor-FKA n.º 1 |
| ?? | Soyuz-2 1B / Fregat -M | Tundra 3 |
| ?? | Soyuz-2 1B / Fregat -M | Tundra 4 |
| ?? | CZ-5 | Chang'e-5 (Sample return) |
| ?? | CZ-7 | New generation manned spacecraft |
| ?? | CZ | FY-3F Fengyun-3F (Batch 2) |
| ?? | CZ | FY-3 Fengyun-3 RM-2 |
| ?? | CZ-4B | HY-2D Haiyang-2D |
| ?? | CZ | Sun Fixed-Point Observation |
| ?? | CZ-4B | HY-2C Haiyang-2C |
| ?? | CZ | CBERS-SAR 1 |
| ?? | ?? | Hainan-1 (1) |
| ?? | ?? | Hainan-1 (2) |
| ?? | ?? | Hainan-1 (3) |
| ?? | GSLV MK II F11 | GSAT-10A |
| Launch site: Satish Dhawan Space Centre , Sriharikota, India | | |
| ?? | PSLV | ScatSat, NovaSAR |
| 119 | | |
| 2020. | | |
| Jan?? | Falcon 9 | Dragon SpX-20 |
| Feb05. | Atlas 5 | Solar Orbiter (Solo) (ESA) |
| Feb?? | H-2B (F10) | HTV9 |
| Feb?? | Soyuz-2 | Progress MS 13 |
| ?? | Vega | SSMS – 2 (Small Spacecraft Mission Service) |
| 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 |
| ?? | Soyuz-2 1B | Progress M-UM |
| 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 |
| ?? | CZ7 | TZ 2 Tianzhou 2 (Logistic Cargo Vehicle) |



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| ?? | CZ-2F/G | SZ-12 Shenzhou-12 |
| ?? | Vega | CCERES (x3) |
| May?? | Soyuz 2-1A | Soyuz MS 15 (S62/63) |
| CDR: Рыжиков (Sergei Ryshikov), Jessica Meir (NASA), Soichi Noguchi (JAXA) | | |
| May?? | Atlas 5 402 | USCV-4 (US Commercial Vehicles) |
| May?? | Ariane 5 ES | JWST (James Webb Space Telescope) |
| ?? | CZ-3B/G2 | ZX-18 Zhongxing-18 |
| June?? | SLS-1 | Orion (unmanned trip around the Moon) Exploration Mission 1 (Distant Retrograde Orbit (DRO) Tactical DRM) |
| 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) |
| July16 | Ariane 62 | Galileo-FOC FM23, Galileo-FOC FM24 |
| July17. | Atlas 5 (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. |
| July24. | 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 2018. A Russian-built entry, descent and landing package will shepherd the rover to the red planet's surface. |
| July?? | CZ-3C | Beidou 3 G2Q |
| July?? | CZ-5 | Mars probe (orbiter + lander + rover) |
| ?? | Vega-C | Pleiades Neo 1, Pleiades Neo 2 |
| ?? | Ariane 5 | ViaSat 3 EMEA |
| Aug?? | Falcon 9 FT | Dragon SpX-21 |
| Aug?? | Soyuz-2 | Progress MS 14 |
| Sep?? | CZ | CBERS-6 |
| Sep?? | Soyuz-2-1B/Fregat-M | Glonass K2 / 15 |
| ?? | CZ-2F/G | SZ-13 Shenzhou-13 |
| ?? | Falcon 9 | GPS IIIA-5 |
| Oct?? | Vega | Proba 3 |
| Nov?? | Atlas 5 402 / Falcon 9 | USCV-5 (US Commercial Vehicles) |
| Nov?? | Soyuz-2 | Progress MS 15 |
| Nov?? | Soyuz 2-1A | Soyuz MS 16 (S63/64) |
| Dec15. | Atlas 5 | Landsat 9 |



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?? 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).

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|--|--------------------------------------|---------------------------------------|
| ?? | ?? | SWOT |
| ?? | ?? | PACE |
| ?? | ?? | EX-4 |
| ?? | ?? | ACE |
| ?? | ?? | HyspIRI |
| ?? | Antares | IMAP/STP-05 |
| ?? | Falcon 9 FT | Dragon SpX-22 |
| ?? | Antares 230 | Cygnus OA-12 |
| ?? | Falcon H | ViaSat 3 |
| ?? | Falcon 9 | KPLO (Korea Pathfinder Lunar Orbiter) |
| ?? | Proton-M | HЭM-1 |
| ?? | Soyuz-2-1B/ Fregat-M | Glonass M 55 |
| ?? | Soyuz-2-1B/Fregat-M | Glonass-M/ 53 |
| ?? | Soyuz-2-1B/Fregat | Glonass M/ 58 |
| ?? | Soyuz-2-1B/Fregat | Glonass M / 59 |
| ?? | Soyuz-2-1B/Fregat-M | Resurs PM - 1 |
| ?? | 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 |
| ?? | 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 |
| ?? | ?? | Zond |
| ?? | ?? | MKA PN6 (Monika) |
| ?? | ?? | Картограф-ОЭ №1 |
| ?? | Ariane 5 | Arsat 3 |
| ?? | Ariane 5 | ViaSat-3 Asia |
| ?? | Ariane 5 ECA | EDRS-D |
| ?? | ?? | Seosat-Ingenio-2 |
| ?? | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) |
| ?? | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) |
| ?? | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) |



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| | | | |
|----|------------------------|----------------------------|---------------------------------------|
| ?? | Vega | C Cosmo-SkyMed Secon Gen 2 | CSG-2 |
| ?? | CZ-5 | Chang'e-6 | |
| ?? | CZ | Two Meter Space Telescope | |
| ?? | CZ | FY-4C Fengyun-4C | |
| ?? | CZ | HY-3B Haiyang-3B | |
| ?? | CZ-3B/ | Palapa 1N | |
| ?? | ?? | Hainan-1 (4) | |
| ?? | ?? | Hainan-1 (5) | |
| ?? | ?? | Hainan-1 (6) | |
| ?? | ?? | Sanya-1 (1) | |
| ?? | ?? | Sanya-1 (2) | |
| ?? | 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 | |

2021.

| | | | |
|---------------|--|------------------------------------|----------------------------------|
| Feb?? | Soyuz-2 | Progress MS | 16 |
| Mar30. | Soyuz-2-1A | Soyuz MS | 17 |
| | Cdr: xx, Akihiko Hoshide , xx | | |
| ?? | CZ-5 | B Wentian Lab module | Space station module |
| May?? | Atlas 5 | 402 / Falcon 9 | USCV-6 (US Commercial Vehicles) |
| 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. | | |
| ?? | CZ7 | TZ 3 Tianzhou 3 | (Logistic Cargo Vechile) |
| ?? | Soyuz-2 | Progress MS | 17 |
| ?? | 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 |
| Sep30. | Soyuz-2-1A | Soyuz MS | 18 |
| Sep?? | Soyuz ST | B/ Fregat -MT | MetOp-SG A1/EPS-SG-a/Sentinel-5A |
| Oct?? | Atlas 5 | 401/ Falcon 9 | v1.1 JPSS Free Flyer 2 (TSIS-2) |
| Nov?? | Atlas 5 | 402 / Falcon 9 | USCV-7 (US Commercial Vehicles) |
| ?? | Ariane 5 | | MTG-I1 |



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|----|---|--|
| ?? | Atlas 5 552 | Dream Chaser Cargo System SNC-2 |
| ?? | Falcon 9 | GPS IIIA-6 |
| ?? | Falcon 9 | GPS IIIA-7 |
| ?? | Falcon 9 | GPS IIIA-8 |
| ?? | Soyuz-2 | Progress MS 18 |
| ?? | Soyuz-2-1B/Fregat-M | Transformable Modul TM |
| ?? | Soyuz-2 1a / Fregat | Luna 26 (Luna-Resurs OA) |
| ?? | Soyuz-2-1B/Fregat-M | Resurs PM - 2 |
| ?? | 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 |
| ?? | Proton-M/Briz-M | IntelSat |
| ?? | Proton-M/Briz-M | Elektro L - 4 |
| ?? | Soyuz-2-1B/Fregat-M | Arktika M 2 |
| ?? | 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) |
| ?? | 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.

Jan?? ?? Solar Sentinels

?? [Soyuz-2](#) [Progress MS](#) 19

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

?? CZ7 TZ 4 Tianzhou 4 (Logistic Cargo Vehicle)

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

?? CZ-2F/G SZ-15 Shenzhou-15

May?? [Atlas 5](#) 402 / [Falcon 9](#) USCV-8 (US Commercial Vehicles)



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|----------------|--|---|
| 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 |
| ?? | Sunkar ?? | |
| ?? | Soyuz-2 | Progress MS 20 |
| Aug?? | H2B | Phobos sample return |
| Sep30. | Soyuz-2-1A | Soyuz MS 20 |
| Nov?? | Atlas 5 402 / Falcon 9 | USCV-9 (US Commercial Vehicles) |
| Dec?? | Soyuz ST B/ Fregat -MT | MetOp-SG B1 |
| Dec?? | Vega C | FLEX (Fluorescence Explorer satellite) |
| ?? | Sunkar Federatsia (unmaned) | |
| ?? | Soyuz-2 | Progress MS 21 |
| ?? | Soyuz-2 1b | Luna 27 (Luna-Resurs PA) Testing an adaptive landing mode with a radio-beacon; delivering a rover |
| ?? | 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 |
| ?? | 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 |
| ?? | CZ7 | TZ 5 Tianzhou 5 (Logistic Cargo Vechile) |
| ?? | CZ-2F/G | SZ-16 Shenzhou-16 |



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|---------------|--|---|
| May?? | Atlas 5 402 / Falcon 9 | USCV-10 (US Commercial Vehicles) |
| ?? | Soyuz-2 | Progress MS 23 |
| ?? | Ariane 5 | MTG-S2/Sentinel-4A |
| Sep30. | Soyuz-2-1A | Soyuz MS 22 |
| ?? | Soyuz-2 | Progress MS 24 |
| Nov?? | Atlas 5 402 / Falcon 9 | USCV-11 (US Commercial Vehicles) |
| ?? | SLS Block IA II | Orion: Exploration Mission 3 (Crew to Cislunar) |
| ?? | Sunkar Federatsia (unmaned 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 |
| ?? | Vega C Space Rider 4 | |
| ?? | Soyuz ST B/ Fregat -MT | Sentinel-1C |
| ?? | CZ | SPORT (Solar Polar Orbit Radio Telescope) |
| ?? | CZ | FY-4D Fengyun-4D |
| ?? | 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 |

2024

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|---------------|--|---|
| Mar30. | Soyuz-2-1A | Soyuz MS 23 |
| ?? | CZ7 | TZ 6 Tianzhou 6 (Logistic Cargo Vechile) |
| May?? | Atlas 5 402 / Falcon 9 | USCV-12 (US Commercial Vehicles) |
| Sep30. | Soyuz-2-1A | Soyuz MS 24 |
| Oct?? | EELV | GOES-U |
| ?? | SLS Block IA II | Orion: Exploration Mission 4 (Crew to Cislunar) |



Blog Gorana Hudeca

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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 | Luna28 (Luna-Grunt-1) delivering a new-generation rover for gathering, analysis and uploading of samples |
| ?? | 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 |
| ?? | Lapan | Pengorbitan-1 (RPS-01) (Indonesia) |

2025

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

2026.

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|--------|---------------------------------|--|
| June?? | Angara A5P/KVTK | A mission to Venus (<i>Venera D</i>) would be launched |
| ?? | CZ | Jupiter Orbiter |
| ?? | CZ | Mars Sample Return |
| ?? | CZ | Chang'e-8 (Moon north pole landing) |
| ?? | Angara A5/DM03 | Bumerang (FobosGrunt 2) |



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2069.

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[Interstellar mission](#)