



Blog Gorana Hudeca

Predstojeća lansiranja u Svemir (26.3.2018.)

2018.

This list is compilation of reliable and others sources, chosen by my own criteria. Last week changes are in red. Last change 26.Mar.2018.

Mar29. 1126UTC [GSLV Mk II F8](#) [GSAT 6A](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Mar29. 1419UTC [Falcon 9](#) [Iridium Next Flight 5 \(x10\)](#)
Launch site: [Vandenberg](#), USA

Mar29. Soyuz-2-1V [Kosmos EMKA](#)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Mar29. CZ-3B/YZ-1 [Beidou 3 MEO M5](#), [Beidou 3 MEO M6](#)
Launch site: [Xichang](#), China

Mar?? [CZ-2C](#) [Pakistani Remote Sensing Satellite \(PRSS\) 1](#)
Launch site: [Taiyuan](#), China

Mar?? [CZ-11](#) Zhuhai-1

Apr02. 2030UTC [Falcon 9](#) [Dragon SpX-14](#)
Launch site: [Cape Canaveral](#), USA

Apr05. 2134UTC [Ariane 5 ECA \(VA242\)](#) [Hylas 4](#), [DSN 1 \(Superbird-8\)](#)
Launch site: [Kourou](#), French Guiana

Apr12. 2200UTC [Atlas 5 551 \(AV-079\)](#) [AFSPC-11](#)
Launch site: [Cape Canaveral](#), USA

Apr12. [PSLV XL \(C41\)](#) [IRNSS I](#)
Launch site: [Satish Dhawan Space Centre](#), Sriharikota, India

Apr16. 2232UTC [Falcon 9](#) [TESS](#)
Launch site: [Cape Canaveral](#), USA

Apr19. [Proton-M/Briz-M](#) [Blagovest 12](#)
Launch site: Байконур ([Baikonur](#)) Cosmodrome, Kazakhstan

Apr21. [CZ-3B/G2](#) [APStar-6C](#)
Launch site: [Xichang](#), China 140

Apr25. [Rokot / Briz KM](#) [Sentinel 3B](#)
Launch site: Плесецк ([Plesetsk](#)) Cosmodrome, Russia

Apr28. [Falcon 9](#) [Iridium Next Flight 6 \(x5\)](#), [GRACE FO_1](#), [FO_2](#)
Launch site: [Vandenberg](#), USA

Apr?? [Falcon 9](#) [Bangabandhu-1](#)
Launch site: [Cape Canaveral](#), USA

Apr?? [CZ-4B](#) GF-5 Gaofen-5



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?? [Epsilon](#) ??

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

| | | |
|----|-------|------------|
| ?? | KZ-1A | Jilin 1-09 |
| ?? | KZ-1A | Jilin 1-10 |
| ?? | KZ-1A | Jilin 1-11 |
| ?? | KZ-1A | Jilin 1-12 |

May05. 1105UTC [Atlas 5](#) 401 AV-078 InSight

Launch site: [Vandenberg](#), USA

May09. [Antares](#) 230 [Cygnus](#) Orb-9E

May18. [Ariane 5](#) ECA (VA243) GSAT-11, Azerspace 2 (Intelsat 38)

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

May?? [Soyuz-2-1B/ Fregat](#)-M Glonass M 59

May?? [PSLV](#) XL (C42) ??

?? [Falcon 9](#) SES-12

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

?? [CZ-3B/YZ-1](#) [Beidou 3](#) MEO M7, [Beidou 3](#) MEO M8

?? [CZ-3B/E](#) SupremeSAT-II

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

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

June09. [Falcon 9](#) [Dragon](#) SpX-15

June12. [CZ-2D](#) GF-6 Gaofen-6, LJ-1 Luojia-1 120

June13. [Falcon Heavy](#) STP-02

June13. 1428UTC [Pegasus-XL](#) ICON ([Helio EX-1](#))

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

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

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

June?? [CZ-3B/G2](#) L2 Chang'e 4 communications relay satellite

June?? CZ?? Tianzhi-1

June?? [Falcon 9](#) [Iridium Next](#) Flight 7 (x10)

June?? [GSLV](#) MK III D2 GSAT-29

?? [Vega](#) TARANIS

?? [Vega](#) Prisma

?? KZ-11 Xiaoxiang-4

?? [Falcon 9](#) Telstar 19

?? [Falcon 9](#) Telstar 18

?? [Angara](#) A5/ [Briz-M](#) Kosmos

?? [Falcon 9](#) Telkom 4

July05. [Falcon 9](#) Spaceflight SSO-A



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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| July10. | Soyuz-2 1A | Progress MS 9 | |
| July31. | Delta 4-H | Parker Solar Probe | |
| July?? | Ariane 5 ES (VA244) | Galileo-FOC FM19 (Tara), Galileo-FOC FM20 (Samuel), Galileo-FOC FM21 (Anna), Galileo-FOC FM22 (Ellen) | |
| July?? | Soyuz-2-1B/Fregat-M | Glonass-M 60 | |
| July?? | Soyuz-2 1A | Bars-M 3 | 100 |
| ?? | Falcon 9 | PSN VI | |
| ?? | CZ-3B/YZ-1 | Beidou 3 MEO M9, Beidou 3 MEO M10 | |
| ?? | Ariane 5 ECA | GEO-KOMPSAT-2A | |
| ?? | Falcon 9 | Iridium Next Flight 8 (x10) | |
| ?? | H-2A | IGS Radar-6 | |
| Aug16. | H-2B (F7) | HTV7 | |
| Aug19. | Soyuz ST B/Fregat-MT | OneWeb smalsat (x32) | |
| Aug27. | Atlas 5 N22 (AV80) | CST-100 Starliner (unmanned test) | |
| Aug27. | Falcon 9 (SPx-DM1) | Dragon v2 unmanned test | |
| Aug?? | CZ-3C | Beidou 2 I7 | |
| Aug?? | CZ-2C | CFOSAT (China-France Oceanography SATellite) | |
| Aug?? | CZ-11 | OKW-2 | |
| Aug?? | Falcon 9 | SAOCAM-1A, ITASAT-1 | |
| Sep12. 1246UTC | Delta II 7320-10C | ICESat-II | |
| Sep14. | Soyuz-2 1A | Soyuz MS 10 (S57/58) | |
| CDR: Алексей Николаевич Овчинин (Aleksei Nikolaevich Ovchinin), Николай Владимирович Тихонов (Nikolai Vladimirovich Tikhonov), Tyler Hague | | | |
| Sep26. | Delta 4-H | NROL-71 | |
| Sep?? | Proton-M/ DM-03 | Glonass K | |
| Sep?? | Falcon 9 | GPS III-1 | |
| ?? | Ariane 5 ECA | Intelsat 7C | |
| ?? | Falcon 9 | Radarsat C-1, -2, C-3 | 80 |
| ?? | 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 | |
| Oct05. | Ariane 5 | BepiColombo ESA and ISAS Mercury Orbiters | |
| Oct11. | Soyuz-2 | Progress MS 10 | |
| Oct18. | Atlas 5 (531) (AV073) | AEHF-4 | |
| Oct22. | Proton-M/Briz-M | Elektro L – 3 | |
| Oct?? | Rokot / Briz KM | Gonets x 3 (No 24,25,26), Blits-M | |
| Launch site: Плесецк (Plesetsk) Cosmodrome, Russia | | | |



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|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------------------|-------------------------------|
| Oct?? | GSLV | Mk II D9 | Chandrayaan 2 | |
| Launch site: Satish Dhawan Space Centre , Sriharikota, India | | | | |
| Oct?? | CZ-3C | | Beidou 3 G1Q | |
| Oct?? | Soyuz-2 | 1B / Fregat -M | Glonass M 61 | |
| Oct?? | Soyuz-2-1B / Fregat -M | | Meteor M-2-2, Ionosfera 3, Ionosfera 4 | Oct?? Antares |
| 230 | | Cygnum | Orb-10E | |
| ?? | Ariane 5 | | Horizon 3e | |
| ?? | Falcon H | | Arabsat 6A | |
| Nov15. | Soyuz-2 1A | Soyuz MS 11 (S58/59) | | |
| CDR: Олэг Дмíтриевич Кононёнко (Oleg Dmitrievich Kononenko), Anne McClain (NASA), David Saint-Jaques | | | | |
| Nov16. | Falcon 9 FT | Dragon SpX-16 | | |
| Nov?? | Atlas 5 | 422 (AV082) | CST-100 Starliner | |
| CDR: Douglas Hurley, Robert Behnken | | | | |
| Nov?? | Soyuz-2 | 1A / Fregat | Kanopus V 5, Kanopus V 6 | 60 |
| Nov?? | Delta IV | -M (5,4) | WGS 10 | |
| Nov?? | CZ-5 | Y3 | SJ-18 02 (DFH-5 platform) | |
| ?? | Epsilon | (4) | Inovative Technology Demonstration Satellite – 1, OrigamiSat-1 | |
| Launch site: Tanegashima , Japan | | | | |
| ?? | | Minotaur 1 | NROL 111 | |
| ?? | | Falcon 9 | Spaceflight GTO.C | |
| ?? | | CZ-2D | GF-7 Gaofen-7 | |
| ?? | | CZ-3B/E | Apstar-6D | |
| Dec20. | Proton-M | | MLM | |
| Dec?? | CZ-3B / GIII | | Chang'e-4 (Moon far side Aitken Basin lander/rover) | |
| Dec?? | ?? | | Korean Pathfinder Lunar Orbiter | |
| Dec?? | Soyuz ST | B/ Fregat -MT | CHEOPS (Characterising ExOPlanet Satellite) | |
| Dec?? | Soyuz ST | B/ Fregat -M | MetOp-C | |
| Dec?? | Proton-M / Briz-M | | Ямал-601 | |
| Dec?? | Soyuz ST | B/ Fregat -MT | OneWeb smalsat (x10) | |
| Dec?? | Soyuz-2-1B / Fregat | M | Meridian 18L | |
| Dec?? | Soyuz-2-1B / Fregat | -M | Glonass K 15 | |
| ?? | Zenit 3 SL / Fregat | -SB | Lybid' | |
| Launch site: Байконур (Baikonur) Cosmodrome, Kazakhstan | | | | |
| ?? | Falcon 9 | | Es'hail 2 | |
| ?? | Soyuz-2 | 1B / Fregat -M | Tundra 3 | |
| ?? | Soyuz-2 | 1B / Fregat -M | Tundra 4 | 40 |
| ?? | Vega | (VV12) | Aeolus / ADM | |
| ?? | Ariane 5 | | Heinrich Hertz | |
| ?? | | Minotaur-4 | FORMOSAT-7 (6 sat) | |



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|----------------------------------------------|----------------------------|------------------------------------------------------|-----------------------------------------|----|
| ?? | Atlas 5 | | AEHF 5 | |
| ?? | Vega | MN35-13 B | Morocco EO Sat 1 2 | |
| ?? | 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 | |
| ?? | CZ-3B/YZ-1 | | Beidou 3 MEO M17, Beidou 3 MEO M18 | |
| ?? | ?? | 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 | | |
| ?? | ?? | Small Military Meteorological Satellite (x6) | | |
| ?? | CZ | FY-3E Fengyun-3E | | 20 |
| ?? | 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-3B/YZ-1 | ZX-6C Zhongxing-6C | |
| ?? | | CZ-3A | FY-2H Fengyun-2H | |
| ?? | | CZ-2D | SaudiSAT 5B | |
| ?? | | CZ | YG-32 Yaogan Weixing 32 | |
| ?? | GSLV MK II | F12 | GSAT-7A | |
| ?? | PSLV | | EnMap | |
| ?? | | Simorgh | Dosti | |
| Launch site: Semnan , Iran | | | | |
| ?? | Safir 1 B | Tadbir | | |
| ?? | Safir 3A | Pars sepher | | |



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?? [Unha-3](#) Kwangmyŏngsŏng-5

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

5 + 24
26 + 152

2019.

?? [Falcon 9](#) (SPx-DM2) Dragon v2
CDR: Eric **Boe**, Sunita **Williams**

?? [Falcon 9](#) SAOCAM-1B, SAOCAM-1C 120

Feb01. [Falcon 9](#) [Dragon SpX-17](#)

Feb06. [Soyuz-2](#) [Progress MS 11](#)

Feb?? [CZ-3C](#) Beidou 3 I1Q
Feb?? [Atlas 5](#) [Solar Orbiter](#) (SolO) (ESA)
Feb?? [Atlas 5](#) 551 (AV-086) AEHF-6

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

Mar07. [Soyuz-2 1A](#) [Soyuz MS 12 \(S59/60\)](#)

CDR: Олѐг Ива́нович **Скри́почка**, (Oleg Ivanovich **Skripotscka**), Андрѐй Николаѐвич **Ба́бкин** (Andrei Nikolaevich **Babkin**), Shannon **Walker**

Mar?? [Ariane 5](#) ECA GEO-KOMPSAT-2B , Cheollian 2B
Mar?? [Falcon 9](#) GPS IIIA-2

?? [Soyuz ST B/Fregat](#)-MT OneWeb smalsat (x32)
?? [Soyuz-2-1B/Fregat](#) Glonass K2 / 13
?? [Ariane 5](#) ECA EDRS-C (Hylas 3)
?? [Soyuz-2-1B](#) [EgyptSat A](#)

?? [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.

Apr?? ?? GOES-T
Apr?? [CZ-3B/E](#) Nicasat 1
Apr?? [CZ-3C](#) Beidou 3 I2Q
Apr?? [Atlas 5](#) 531 [Cygnus](#) OA-11
Apr?? [Falcon 9](#) Dragon v2 (USCV-1) with 2 astronauts
Apr?? [Soyuz-2](#) [Progress MS 12](#) 100

May?? [Atlas 5](#) 402 CST 100 Starliner (USCV-2) with 2 astronauts
May?? [Falcon 9](#) FT [Dragon](#) SpX-18
May?? CZ CBERS-4A



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|---------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------|-------|
| June?? | Soyuz 2-1A | Soyuz MS 13 (S60/61) | |
| | CDR: Скворцов (Alexander Skvortsov), Luca Parmitano (ESA), Andrew Morgan (NASA) | | |
| June?? | Atlas 5 551 | STP-03 | |
| June?? | Ariane 5 ES | JWST (James Webb Space Telescope) | |
| June?? | CZ-5 B | Test flight | |
| ?? | PSLV | RISAT 1A | |
| ?? | CZ-3B/G2 | TECSTAR 1 | |
| ?? | Vega | Cosmo-SkyMed Secon Gen 1 | CSG-1 |
| ?? | SSLV | ?? | |
| ?? | Soyuz ST B/Fregat-MT | O3b (FM17-20) | |
| ?? | GSLV MK II F10 | GISAT | |
| ?? | PSLV | Cartosat-3 | |
| July?? | CZ-3C | Beidou 3 I3Q | |
| July?? | H-2B (F9) | HTV8 | |
| ?? | Ariane 5 | Inmarsat-5 F5 | |
| Aug?? | Soyuz ST B/ Fregat -MT | EarthCare | |
| Aug?? | Soyuz-2 | Progress MS 13 | 80 |
| ?? | Delta IV | GPS IIIA-3 | |
| Sep?? | 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?? | Atlas 5 552 | Dream Chaser Cargo System SNC-1 | |
| Oct?? | Falcon 9 FT | Dragon SpX-19 | |
| Nov14. | Soyuz-2 1B | Progress M-UM | |
| Nov29. | Soyuz-2 1a / Fregat | Luna 25 (Luna-Glob-1) | |
| Nov?? | Falcon 9 | USCV-3 (US Commercial Vehicles) | |
| | CDR: ??(NASA), ??(NASA), ??(RF) | | |
| ?? | Soyuz-2-1B / Fregat -M | Glonass K2 / 14 | |
| ?? | Proton-M / Briz-M | Blagovest 14 | |
| ?? | Falcon 9 | GPS IIIA-4 | |
| ?? | Vega | Seosat (Ingenio) | |
| Dec?? | CZ-3B /YZ-1 | Beidou 3 MEO M21, Beidou 3 MEO M22 | |
| Dec?? | Proton-M / Briz-M | Ekspress 80, Ekspress 103 | |
| ?? | Atlas 5 551 | AFSPC-7 (X-37B OTV 6) | |
| ?? | Falcon 9 | Astrium active SARah satellite | |
| ?? | Atlas 5 551 | Asteroid Retrieval Spacecraft (ARS) | |
| ?? | ?? | EX-3 | 60 |
| ?? | Falcon 9 | GiSat-1 | |
| ?? | Vega | Jason-CS A | |



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|----|--------------------------------------------------------|----------------------------------------|----------|
| ?? | Vega | OpSis | |
| ?? | Vega | VNREDSat | |
| ?? | Vega | LOTUSat | |
| ?? | Ariane 5 ECA | Eutelsat Quantum | |
| ?? | Ariane 5 ECA | African Broadband Satellite | |
| ?? | Ariane 5 ECA | Intelsat 39 | |
| ?? | Soyuz ST / Vega | MicroCarb | |
| ?? | Soyuz ST B/ Fregat -MT | Sentinel-1C | |
| ?? | Ariane 5 | ViaSat-3 | |
| ?? | Ariane 5 | JCSat 17 | |
| ?? | Proton-M/Briz-M | SkyTerra 2 | |
| ?? | Proton-M/Briz-M | Luch 5M | |
| ?? | Proton-M/Briz-M | Yenisey A1 | |
| ?? | Proton-M/ DM-03 | Glonass-M/ | 56,57,58 |
| ?? | 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 | 40 |
| ?? | 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 | Blagovest 13 | |
| ?? | 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 | |
| ?? | Proton-M/ DM 3 | Kosmos (Repei??) | |
| ?? | Proton-M/ DM-03 | Glonass-M | |
| ?? | Soyuz-2 -1B | Arktika | 20 |
| ?? | Soyuz-2 1B / Fregat -M | Resurs №4 | |
| ?? | Soyuz-2 -1B/ Fregat -M | Kondor-FKA n.º 1 | |
| ?? | Proton-M/Briz-M | Ekspress AMU 3 / Ekspress AMU 7 | |
| ?? | Soyuz ST | CSO 1 | |
| ?? | Soyuz ST B/ Fregat -MT | OneWeb smalsat (x32) | |
| ?? | CZ-5 | Chang'e-5 (Sample return) | |



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?? 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](#) XL [Aditya'](#)

?? [PSLV](#) ScatSat, NovaSAR

121

2020.

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

Feb?? H-2B (F10) HTV9

Feb?? [Falcon 9](#) FT [Dragon](#) SpX-21

Feb?? [Soyuz-2](#) [Progress MS](#) 14

Mar30. **Soyuz 2-1A** **Soyuz MS 15 (S62/63)**

CDR: **Рыжиков** (Sergei Ryshikov), Jessica **Meir** (NASA), Soichi **Noguchi** (JAXA)

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

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)

?? CZ7 TZ 2 Tianzhou 2 (Logistic Cargo Vehicle)

?? CZ-2F/G SZ-12 Shenzhou-12

May?? [Atlas 5](#) 402 USCV-4 (US Commercial Vehicles)

May?? [Soyuz-2](#) [Progress MS](#) 15

?? [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



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June?? Ariane 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

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?? [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.

July?? [CZ-3C](#) Beidou 3 G2Q
 July?? [CZ-5](#) [Mars probe](#) (orbiter + lander + rover)

?? Vega-C Pleiades Neo 1, Pleiades Neo 2

Sep30. Soyuz 2-1A [Soyuz MS 16 \(S63/64\)](#)

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 16](#)

Dec15. [Atlas 5](#) Landsat 9

?? GSLV-Mk III. Dr B N Suresh and Mr Madan Lal, Vikram Sarabhai Space Centre (VSSC) presented the concept for the manned space mission including the development of an autonomous Orbital Vehicle (4,000kg manned capsule).

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

?? [Falcon 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



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| | | |
|----------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------|
| ?? | 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 |
| ?? | 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-0Э №1 |
| ?? | Vega | Sentinel-2C |
| ?? | Vega | Sentinel-3C |
| ?? | ?? | Seosat-Ingenio-2 |
| ?? | ?? | EPS-SG-b |
| ?? | Ariane 5 | Arsat 3 |
| ?? | 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 |
| ?? | 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.

Jan ?? Ariane 62 Galileo-FOC FM25, Galileo-FOC FM26



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| | | | |
|---------------|------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| ?? | Soyuz-2 | Progress MS 17 | |
| Mar30. | Soyuz-2-1A | Soyuz MS 17 | |
| | Cdr: xx, Akihiko Hoshide , xx | | |
| Apr?? | Soyuz ST | B/ Fregat M | MarcoPolo-R |
| ?? | 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 Vehicle) | |
| ?? | Soyuz-2 | Progress MS 18 | |
| ?? | CZ-2F/G | SZ-14 Shenzhou-14 | |
| July?? | Vulcan/Minotaur 6/ Falcon 9 | v1.1 | JPSS-2 |
| July?? | Vega | | 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 |
| ?? | 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 19 | |
| ?? | 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 |
| ?? | Vega | | Sentinel-1A 2nd Gen |
| ?? | Vega | | Space Rider |
| ?? | Soyuz ST / Vega | | Merlin |



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| | | |
|----|----|----------------------------|
| ?? | 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 20](#)

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)

June04. **SLS Block I** **Orion: Exploration Mission 2 (Crew to Cis lunar Mission)**

| | | |
|--------|-----------------------------|-------------------------------------|
| June?? | Ariane 5ECA | JUICE (JUperiter ICy moon Explorer) |
| June?? | Ariane 5 | MTG-12 |

| | | |
|----|-------------------------|--------------------------------|
| ?? | Sunkar ?? | |
| ?? | Soyuz-2 | Progress MS 21 |

Aug?? H2B Phobos sample return

Sep30. [Soyuz-2-1A](#) [Soyuz MS 20](#)

Sep?? [Soyuz ST B/Fregat](#)-MT MetOp-SG B1

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

?? Sunkar Federatsia (unmanned)

?? [Soyuz-2](#) [Progress MS 22](#)

?? [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 | Ekspres – AMU 5 |
| ?? | Proton-M/Briz-M | Ekspres – AMU 6 |
| ?? | Proton-M/Briz-M | Ekspres – RV 3, Ekspres – RV 4 |



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| | | |
|----|-------------------------------------|------------------------------------------|
| ?? | 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 |
| ?? | Vega | Jason-CS B |
| ?? | Ariane 5 | ATHENA |
| ?? | CZ | HY-3C Haiyang-3C |

2023.

?? [Soyuz-2](#) [Progress MS 23](#)

Mar30. [Soyuz-2-1A](#) [Soyuz MS 21](#)

?? CZ7 TZ 5 Tianzhou 5 (Logistic Cargo Vehicle)
 ?? CZ-2F/G SZ-16 Shenzhou-16

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

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

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

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

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

?? 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

?? [Vega](#) Sentinel-2A 2nd Gen

?? CZ SPORT (Solar Polar Orbit Radio Telescope)

?? CZ FY-4D Fengyun-4D

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



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| | | |
|----|---------------------------------|--------------|
| ?? | Angara A5P/DM03 | Lutch 5 – 2 |
| ?? | Soyuz-2 -1b | Bion-M No. 2 |
| ?? | Angara A5P/DM03 | Lutch 5 – 3 |
| ?? | ?? | Ямал GK 2 |

2024

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

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

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)

?? Sunkar Federatsia (Light 14t – 2 man to ISS)

?? [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

?? [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

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

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

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

?? SLS Block I Europa Clipper



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| | | |
|----|-------------------------------------|-------------------------------------|
| ?? | 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.

| | | |
|--------|---------------------------------|----------------------------------------------------------|
| 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) |

2069.

| | | |
|----|----|--------------------------------------|
| ?? | ?? | Interstellar mission |
|----|----|--------------------------------------|