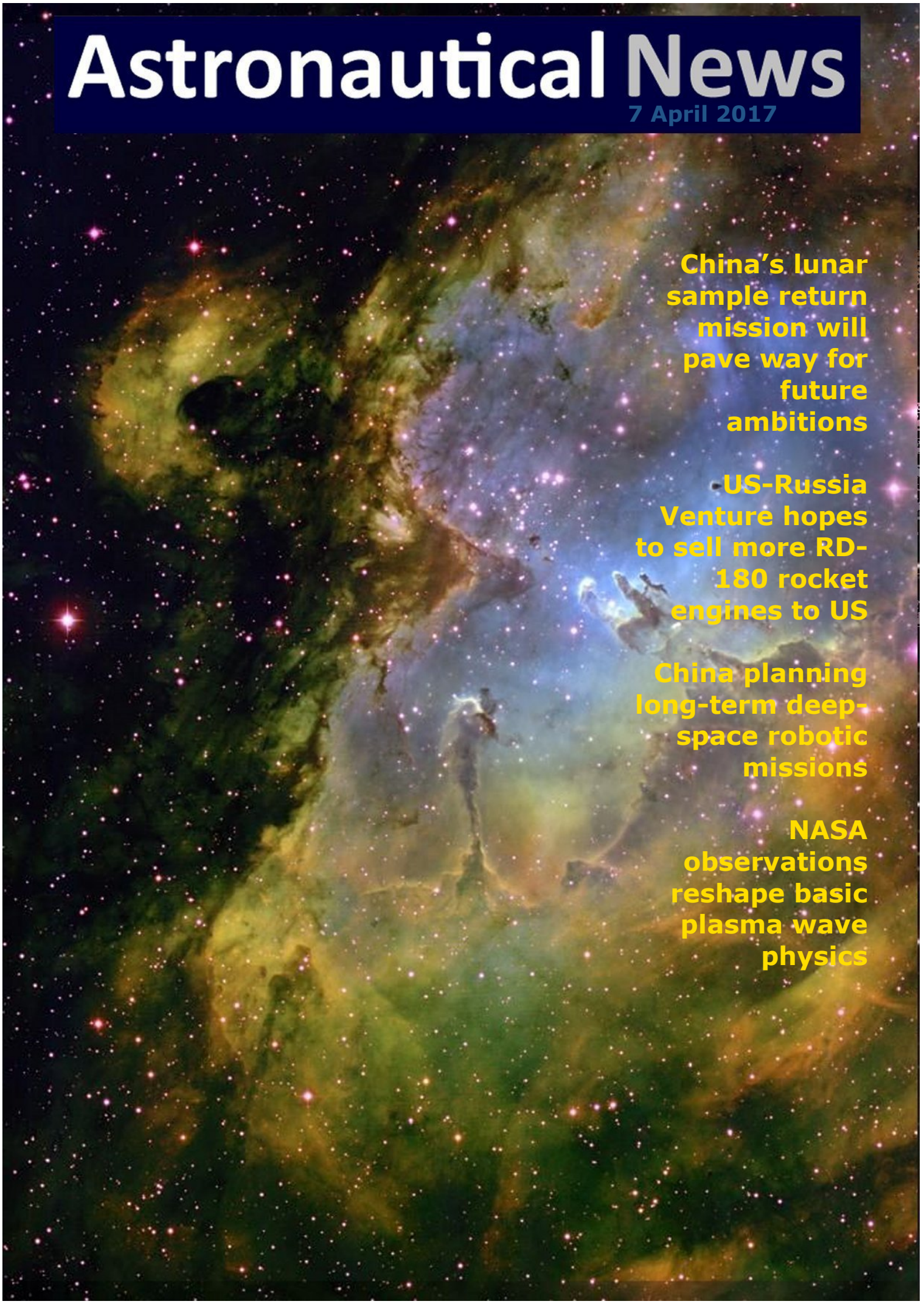
Astronautical News

7 April 2017



China's lunar sample return mission will pave way for future ambitions

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China planning long-term deep-space robotic missions

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In cooperation with
The British Interplanetary Society

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Blue Horizon to enable sustainable life in space OHB Venture Capital and LuxSpace announced the establishment of a company known as Blue Horizon with registered offices in Luxembourg. Blue Horizon will be pursuing the vision of creating the necessary conditions for enabling sustainable life in space and for revitalizing ravaged landscapes on the Earth by applying the technologies and processes of life sciences.

China's lunar sample return mission will pave way for future ambitions Later this year, China is launching the Change'5 spacecraft to return a sample from the Moon. The mission will pave the way for future ambitions, including crewed trips to the lunar surface.

China planning long-term deep-space robotic missions China's space organizations are beginning to plan science missions beyond Mars, even as its engineers prepare to return samples from the Moon to Earth this year, and from Mars by 2030.

Elon Musk plans rapid shift to 'flight-proven' Falcon 9s For SpaceX, 100-flight reuse Falcon 9s, providing a hundredfold in savings, is on the company's active agenda.

ISRO to outsource satellite manufacturing after 30 years Having been unable to keep pace with satellite fabrication, the ISRO is involving private industry to bridge the gap.

Scientists debate next destination for astronauts in space Nearly a half-century after humans voyaged to the moon, NASA and private U.S. companies are once again setting their sights beyond low Earth orbit

Europa Lander Work Continues Despite Budget Uncertainty The NASA team studying a lander mission to Jupiter's moon Europa says their work is continuing even though the White House is requesting no funding for the mission in its latest budget.

Russia critcal to ExoMars Project says Italian Space Agency Head Russia is a fundamental partner in the joint project between the European Space Agency (ESA) and Russia's Roscosmos space corporation ExoMars, Italian Space Agency (ASI) President Roberto Battiston told Sputnik.

US-Russia Venture hopes to sell more RD-180 rocket engines to US United Launch Alliance (ULA) will receive 11 RD-180 rocket engines in 2017 through US- Russian venture RD Amross, with the latter hoping to sell more in the future, RD Amross CEO Michael Baker told Sputnik on the sidelines of the Space Symposium in Colorado. ULA acquires the engines through RD Amross, which is a joint venture, involving RD-180 manufacturer, Russian company Energomash.

NASA observations reshape basic plasma wave physics When NASA's Magnetospheric Multiscale - or MMS - mission was launched, the scientists knew it would answer questions fundamental to the nature of our universe - and MMS hasn't disappointed. A new finding, presented in a paper in Nature Communications, provides observational proof of a 50-year-old theory and reshapes the basic understanding of a type of wave in space.

Russia offering Brazil to develop Gonets-like satellite system Director General of Russia's Reshetnev Information Satellite Systems company said that Russia is offering Latin American states, in particular Brazil, to develop a satellite communications system similar to Gonets system, which will be capable to completely meet the communication needs of the region.

Space traffic management at Mach 25 Those familiar with air traffic management architectures understand the constraints of aircraft flying in the atmosphere, vehicle dynamics and command and control techniques. Unfortunately, space traffic has many more degrees of freedom and much less control capability.

US, Russia have opportunities for expanding space cooperation despite tensions The Executive Director for manned space flight programs at Roscosmos said that Russia and the United States have opportunities to broaden their collaboration in space, including on flights beyond low-earth orbit, despite the tense relations between the two countries.

Recent Launch Activities

Success for SpaceX 're-usable rocket' SpaceX has successfully re-flown a segment from one of its Falcon 9 rockets. The first- stage booster, which was previously used on a mission 11 months ago, helped send a telecommunications satellite into orbit from Florida's Kennedy Space Center. It marks an important milestone for SpaceX in its quest for re-usability.
(31 March 2017)

Delta IV launches WGS-9 military communications satellite The U.S. military communications satellite WGS-9 has launched into orbit atop a United Launch Alliance Delta IV rocket.
(20 March 2017)

New Japanese spy satellite in orbit Japan launched a new spy satellite into orbit to help keep an eye on the nation's unpredictable, nuclear-armed neighbour, North Korea. The Information Gathering Satellite (IGS) Radar 5 lifted off atop a Japanese H-IIA rocket from Tanegashima Space Centre in southern Japan.
(18 March 2017)

SpaceX launches EchoStar XXIII communications satellite into orbit SpaceX on Thursday successfully launched a communications satellite into space from the Kennedy Space Center in Florida. The company's Falcon 9 rocket blasted off at 2 am (0600 GMT) carrying the EchoStar XXIII, a commercial communications satellite for EchoStar Corporation. The satellite will provide telecommunications.
(17 March 2017)

Development Activities

China's lunar sample return mission will pave way for future ambitions Later this year, China is launching the Change'5 spacecraft to return a sample from the Moon. The mission will pave the way for future ambitions, including crewed trips to the lunar surface.
(7 April 2017)

China planning long-term deep-space robotic missions China's space organizations are beginning to plan science missions beyond Mars, even as its engineers prepare to return samples from the Moon to Earth this year, and from Mars by 2030.
(6 April 2017)

Russia to build first new-generation 'Federation' spacecraft by 2021 The first Russian next-generation manned spacecraft called the Federation, which is 80 percent built of composite materials, will be manufactured by 2021, Russia's Energia space corporation said.
(22 March 2017)

ESA's Jupiter mission moves off the drawing board Demanding electric, magnetic and power requirements, harsh radiation, and strict planetary protection rules are some of the critical issues that had to be tackled in order to move ESA's Jupiter Icy Moons Explorer - Juice - from the drawing board and into construction.
(17 March 2017)

Blue Origin developing 10,000-lb. lunar polar lander A robotic lunar lander capable of delivering as much as 10,000 lb. of cargo to a permanent outpost on the rim of the Moon's polar Shackleton Crater could make its first flight by July 2020, with a little help from NASA. Blue Origin owner Jeff Bezos said that his company has been working on a cargo lander that would support a human base set up in a zone of almost full-time sunlight on the crater's rim.
(4 March 2017)

China hopes to conduct second mission to Mars by 2030 China is likely to conduct its second Mars mission, aimed at collecting soil samples for analysis, by 2030, according to the China Aerospace Science and Technology Corporation (CASC).
(3 March 2017)

Chinese cargo spacecraft set for liftoff in April In April, China will launch a cargo spacecraft into orbit as part of a schedule to develop an international space station as soon as 2020. A Tianzhou-1 cargo spacecraft could be headed into space "as early as mid-April" atop a Long March-7 Y2 rocket, representing a major milestone for China's space programme.
(27 February 2017)

NASA's audacious Europa missions are getting closer to reality NASA announced progress on a spacecraft that would assess whether Jupiter's Moon Europa is habitable, and earlier this month, an agency-sponsored science team released a report on a separate lander mission that would directly search for signs of life.
(27 February 2017)

ISS Activities

Spacewalks to advance Space Station commercial crew dockings NASA is prepped to lay the groundwork for the installation of the second of two U.S. International Space Station commercial docking ports with a series of spacewalks.
(24 March 2017)

SpaceX Dragon returns to Earth After carrying nearly 5,500 pounds of supplies and experiments to the International Space Station on Feb. 23, the SpaceX Dragon capsule officially detached and began its descent to Earth.
(19 March 2017)

NASA developing contingency plan for commercial crew delays NASA plans to complete by the middle of March a contingency plan for ensuring access to the International Space Station should its two commercial crew partners suffer additional delays.
(25 February 2017)

Progress underway for first commercial airlock on Space Station Deployment of cubesats and other small satellite payloads from the orbiting laboratory by commercial customers and NASA has increased in recent years. To support demand, NASA has accepted a proposal from NanoRacks to develop the first commercially funded airlock on the space station.
(9 February 2017)

Japanese craft leaves Space Station to conduct space-junk experiment A Japanese cargo ship undocked from the International Space Station and will spend the next week doing a science experiment in orbit before burning up in Earth's atmosphere on Super Bowl Sunday (Feb. 5).
(29 January 2017)

Space Tourism

Space tourism and business looking up Why are wealthy business people sending their money into space? Some of them dreamed of space travel as children, and now they have the money to chase those dreams. So there is adventure and there is money.
(10 March 2017)

China's BeiDou system to expand cooperation to SE Asia China's home-grown BeiDou Navigation Satellite System (BDS) will expand its cooperation to Thailand and Sri Lanka, and then to the entire Southeast Asia, in a bid to go global, the system's operator has said.
(1 April 2017)

Decommissioned Earth Science satellite to remain in orbit for decades A NASA Earth science satellite whose mission is ending this week will remain in orbit through the middle of the century, far longer than the limit set by orbital debris mitigation guidelines.
(30 March 2017)

Satellites shed new light on earthquakes Satellite radar scans of last year's earthquake in New Zealand are changing the way we are thinking about earthquake hazards in regions where our planet's tectonic plates meet.
(25 March 2017)

ICESat-2 to provide more depth to sea ice forecasts In March, the Arctic sea ice pack is supposed to reach its greatest extent - but this year it's far below average, off by an area about the size of Texas and New Mexico combined. Satellite observations currently reveal how much of the ocean surface is covered by ice, but there is another critical measurement to make.
(23 March 2017)

30 years of deforestation While the world marks the International Day of Forests, satellites continue to monitor the long-term effects of human activities on our planet's precious resources
(22 March 2017)

Copernicus Sentinel-2B delivers its first images Just over a week after being lofted into orbit, the European Union's Sentinel-2B satellite delivered its first images of Earth, offering a glimpse of the 'colour vision' it will provide for the Copernicus environmental monitoring programme.
(16 March 2017)

NASA studies growing Louisiana deltas The Louisiana coastline is sinking under the Gulf of Mexico at the rate of about one football field of land every hour (about 18 square miles of land lost in a year). But within this sinking region, two river deltas are growing. The Atchafalaya River and its diversion channel, Wax Lake Outlet, are gaining about one football field of new land every 11 and 8 hours, respectively.
(28 February 2017)

Using high-resolution satellites to measure African farm yields Stanford researchers have developed a new way to estimate crop yields from space, using high-res photos snapped by a new wave of compact satellites. The approach, detailed in the February 13 issue of the journal of the Proceedings of the National Academy of Sciences, could be used to estimate agricultural productivity and test intervention strategies in poor regions of the world.
(25 February 2017)

Turn satellites into sparkling fireworks to burn up space junk Satellite debris that falls to Earth could be deadly, but pellets made of a heat-generating mixture could help them burn up safely in the atmosphere
(19 February 2017)

100 Earth-shattering remote-sensing applications and uses This list may change the way you feel about how this industry is changing our world and the way we think.
(13 February 2017)

CryoSat reveals lake outbursts beneath Antarctic ice A novel way of using ESA's CryoSat mission has revealed how lakes beneath Thwaites Glacier drained into the Amundsen Sea - potentially the largest such outflow ever reported in this region of West Antarctica.
(11 February 2017)

Keeping space communications reliable for an "always on" world So many of the services we all depend on today are powered by space communications. Without space the world economy, in many ways, turns back half a century in time. For some time now, we have been hearing from the Pentagon that space is no longer the sanctuary it once was.
(7 February 2017)

Sea ice cover in 2016 is lowest ever recorded Latest data from ISRO's weather monitoring satellite SCATSAT-1 has revealed changes in the sea ice cover over the Arctic and the Antarctic. According to ISRO, the changes in the Arctic summer minimum sea ice cover were observed using SCATSAT-1 data collected on October 02, 2016, and compared it with OSCAT data collected on October 02, 2011. It was observed that sea ice cover during 2016 is lower than that observed in 2011, which was earlier lowest sea ice record.
(6 February 2017)

Satellites counting whales from space revolutionising monitoring techniques for researchers A research team in Perth is becoming familiar with what whales look like from space. They have commissioned two satellite images to be taken from 600 kilometres above Earth in order to do an accurate headcount of humpbacks migrating up the WA coast.
(5 February 2017)

Time to make sure Europe's troubled satnav system really flies Europe's costly Galileo satnav network has been branded a vanity project. In an isolationist world, it now seems a wise insurance policy, says Paul Marks
(4 February 2017)

ISRO to launch backup satellite to replace IRNSS-1A India will launch one of its back up navigation satellites this year as a replacement to IRNSS-1A satellite, whose three atomic clocks have failed, ISRO said. The agency denied the existence of similar problems with the rubidium atomic clocks in another navigation satellite.
(4 February 2017)

African villagers use satellite data to help save wild chimpanzees Given that chimpanzees are a keystone species and the closest extant relative to humans, their rapid decline in the wild has sparked widespread concern. In response, NASA and the Jane Goodall Institute partnered on a project that aims to use space-down views of chimpanzee habitats to guide local activists involved in conservation.
(31 January 2017)

Tiny satellites to make big contributions to science CubeSats were designed as educational tools and technological proofs-of-concept, demonstrating their ability to fly and perform needed operations in the harsh space environment. As the capabilities of these nanosatellites increase and their possible contributions grow, they've earned their own place in space.
(30 January 2017)

Europe's new geostationary satellite platform for the telecommunications market The Hispasat 36W-1 telecommunications satellite, the first in a new satellite platform called SmallGEO, developed and built in Germany, was launched to space on 28 January 2017 at 02:03 CET (27 January, 22:03 local time).
(29 January 2017)

NOAA's GOES-16 satellite sends first images to Earth GOES-16, the first spacecraft in NOAA's next-generation of geostationary satellites, has sent the first high-resolution images from its Advanced Baseline Imager (ABI) instrument. Included among them are a composite color full-disk visible image of the Western Hemisphere captured on January 15, 2017.
(25 January 2017)

NASA's Earth Observatory reveals Cambodia's incredibly shrinking forests Scientists from the University of Maryland and the World Resources Institute's Global Forest Watch have been using Landsat satellite data to track the rate of forest loss on a global scale. Though other countries have lost more acres in recent years, Cambodia stands out for how rapidly its forests are being cleared.
(23 January 2017)

NASA observations reshape basic plasma wave physics When NASA's Magnetospheric Multiscale - or MMS - mission was launched, the scientists knew it would answer questions fundamental to the nature of our universe - and MMS hasn't disappointed. A new finding, presented in a paper in Nature Communications, provides observational proof of a 50-year-old theory and reshapes the basic understanding of a type of wave in space.
(6 April 2017)

Prolific Mars Orbiter Completes 50,000 Orbits The most data-productive spacecraft yet at Mars swept past its 50,000th orbit this week, continuing to compile the most sharp-eyed global coverage ever accomplished by a camera at the Red Planet. In addition, the spacecraft - NASA's Mars Reconnaissance Orbiter (MRO) - recently aided preparations for NASA's next mission to Mars, the InSight lander.
(3 April 2017)

NASA orbiter shows Mars lost 90 per cent of its CO2 to space The MAVEN spacecraft has completed the key part of its mission: to track down how much argon Mars's atmosphere is giving up as a proxy for carbon dioxide loss
(2 April 2017)

ExoMars: Rover scientists to study Mawrth Vallis option Scientists are going to investigate a second site on Mars as a possible destination to send ESA's 2021 rover. Scientists spent two days considering the options and plumped in the end for Mawrth Vallis - an area rich in clay minerals that must have formed during prolonged rock interactions with water. Mawrth joins Oxia Planum, which was selected for study in 2015.
(29 March 2017)

New treasures from Juno: Jupiter dazzles during fourth close approach Image processor Bj[illegible]rn Jónsson shares some of his latest stunning images of Jupiter, created using data from NASA's Juno spacecraft.
(28 March 2017)

NASA's SDO sees a stretch of spotless Sun For 15 days starting on March 7, 2017, NASA's Solar Dynamics Observatory, or SDO, returned visible light images of a yolk-like spotless sun. This is the longest stretch of spotlessness since the last solar minimum in April 2010, indicating the solar cycle is marching on toward the next minimum, which scientists predict will occur between 2019- 2020.
(26 March 2017)

China's first cargo spacecraft to make three rendezvous with Tiangong-2 China's first cargo spacecraft Tianzhou-1 is expected to dock with the orbiting Tiangong-2 space lab three times after its planned launch in April, sources said. Tianzhou-1 will be sent into space from the Wenchang Space Launch Center in south China's Hainan Province aboard a Long March-7 Y2 carrier rocket.
(9 March 2017)

Orbiter steers clear of Mars moon Phobos NASA's MAVEN spacecraft performed a previously unscheduled manoeuvre to avoid a collision in the near future with Mars' moon Phobos. The Mars Atmosphere and Volatile EvolutioN (MAVEN) spacecraft has been orbiting Mars for just over two years, studying the Red Planet's upper atmosphere, ionosphere and interactions with the sun and solar wind.
(4 March 2017)

Increasing the sensitivity of next-generation gravitational wave detectors Nearly one year ago the LIGO Collaboration announced the detection of gravitational waves, once again confirming Einstein's theory of General Relativity. This important discovery by the Advanced Laser Interferometer Gravitational-Wave Observatory (aLIGO) has spurred great interest in improving these advanced optical detectors.
(27 February 2017)

Kepler's 'second life' - DLR researchers find six planets In 2009, NASA's Kepler space probe was launched, embarking on a mission to hunt for exoplanets. In 2013, due to the failure of two of its reaction wheels, the mission had to be modified. Mission control managed to change the operational modus and manoeuvre the telescope orbiter into a different position in its orbit around the Sun that enabled the mission to continue.
(24 February 2017)

Wonderful potentially habitable worlds around TRAPPIST-1 Scientists have found seven, Earth-size planets orbiting a star just 40 light years away. Three lie in the habitable zone and could have water on their surfaces.
(23 February 2017)

NASA's Kepler mission could detect exomoons formed by giant impacts The hunt is on for moons orbiting distant exoplanets - but only the most massive "exomoons" may be detectable.
(21 February 2017)

Juno Jupiter probe won't move into shorter orbit NASA's Juno spacecraft won't move into a closer orbit around Jupiter as originally planned, agency officials announced.
(20 February 2017)

Big data for the universe Astronomers at Lomonosov Moscow State University in cooperation with their French colleagues and with the help of citizen scientists have released "The Reference Catalog of galaxy SEDs" (RCSED), which contains value-added information about 800,000 galaxies.
(13 February 2017)

Who will get first dibs on the powerful James Webb Space Telescope? NASA has issued solicitation for science projects using the long-awaited and incredibly powerful successor to Hubble, which is scheduled to launch next year.
(10 February 2017)

Angling up for Mars science ESA's latest Mars orbiter has moved itself into a new path on its way to achieving the final orbit for probing the Red Planet.
(9 February 2017)

Gravitational wave detector prepares to peer into bizarre stars It has already made the discovery of the decade ?? next LIGO aims to model weird events so we can recognise them when they arrive
(8 February 2017)

WorldView-4, DigitalGlobe's newest satellite, enters service DigitalGlobe's WorldView-4 high-resolution-imaging satellite entered service this week, following nearly three months of in-orbit testing and calibration.
(7 February 2017)

NASA spacecraft to hunt for Earth's asteroid 'ghosts' NASA's asteroid-sampling Osiris-Rex mission will search for possible Trojan asteroids that could be travelling along with Earth around the sun.
(5 February 2017)

Galactic X-rays could point way to dark matter A small but distinctive signal in X-rays from the Milky Way could be key to proving the existence of dark matter. That is the claim of US scientists who analysed the energy spectrum of X-rays gathered by NASA's Chandra satellite. They found more X-ray photons with a particular energy than would be expected if they were produced only by familiar processes. Those photons could in fact have been generated by the decay of dark matter particles, say the researchers.
(2 February 2017)

Fermi sees gamma rays from 'hidden' solar flares An international science team says NASA's Fermi Gamma-ray Space Telescope has observed high-energy light from solar eruptions located on the far side of the sun, which should block direct light from these events.
(1 February 2017)

Close views show Saturn's Rings in unprecedented detail Newly released images showcase the incredible closeness with which NASA's Cassini spacecraft, now in its "Ring-Grazing" orbits phase, is observing Saturn's dazzling rings of icy debris. The views are some of the closest-ever images of the outer parts of the main rings, giving scientists an eagerly awaited opportunity to observe features with names like "straw" and "propellers."
(31 January 2017)

Spacecraft sees water at Rosetta's comet while stranded in solar orbit The Japanese PROCYON spacecraft may have gotten stuck in orbit after launch, but it's been able to do some impressive observations of 67P/Churyumov-Gerasimenko from afar.
(30 January 2017)

China's hi-res SAR imaging satellite put into use China's first high-resolution Synthetic Aperture Radar (SAR) satellite has passed all its in- orbit tests and is now operational, according to the State Administration of Science, Technology and Industry for National Defense. The Gaofen-3 satellite, which is accurate to one meter in distance, was launched in August 2016.
(27 January 2017)

Gaia turns its eyes to asteroid hunting Whilst best known for its surveys of the stars and mapping the Milky Way in three dimensions, ESA's Gaia has many more strings to its bow. Among them, its contribution to our understanding of the asteroids that litter the Solar System. Now, for the first time, Gaia is not only providing information crucial to understanding known asteroids, it has also started to look for new ones.
(26 January 2017)

ISRO realigns orbit of Mars mission spacecraft 'Mangalyaan Indian Space Research Organization has successfully realigned the orbit of its Mars Orbiter Mission 'Mangalyaan' so it is not affected by a long-duration eclipse, ISRO chairman A S Kiran Kumar said.
(23 January 2017)

China's quantum science satellite begins experiments The world's first quantum science and communications satellite has been handed over to Chinese scientists for the official start of experiments to test the phenomena of quantum entanglement and 'unhackable' quantum communication.
(19 January 2017)

Russia offering Brazil to develop Gonets-like satellite system Director General of Russia's Reshetnev Information Satellite Systems company said that Russia is offering Latin American states, in particular Brazil, to develop a satellite communications system similar to Gonets system, which will be capable to completely meet the communication needs of the region.
(6 April 2017)

Russian plant to overhaul nearly all Proton rocket engines in 2017 Russia's Voronezh Mechanical Plant will overhaul nearly all the recalled engines for the Proton launch vehicles this and next year, the head of Russia's Energomash space and rocket engine manufacturer told Sputnik. Energomash Director General Igor Arbuzov said the 71 engines constitute "almost all of the second and third stage reserves."
(4 April 2017)

ISRO to outsource satellite manufacturing after 30 years Having been unable to keep pace with satellite fabrication, the ISRO is involving private industry to bridge the gap.
(3 April 2017)

Ukraine firms to supply rockets for spaceport Ukraine's aerospace giants Yuzhmash and Yuzhnoye Design Office have agreed to supply rockets to launch satellites into space from a new spaceport to be built in eastern Canada. This tracks with a trend of Ukraine industry of replacing traditional Russian partners with new Western ones.
(1 April 2017)

Russia hopes India will join initiative on non-deploying weapons in space Russia hopes India will join the Russian initiative on non-deployment of weapons in outer space, Russian Foreign Ministry's Non-Proliferation and Arms Control Department Director Mikhail Ulyanov said. Ulyanov reminded that in 2004, Russia took a unilateral decision not to be the first to place weapons in outer space, setting a good example for other countries to follow suit.
(29 March 2017)

Vietnam set to produce satellites by 2022 Vietnam targets to self-develop Lotusat-2 by 2022 when its technical facilities for satellite research, assembly, integration and testing are ready to operate, according to the Vietnam National Satellite Center (VNSC).
(27 March 2017)

Bangladesh to join India's South Asia Satellite initiative Bangladesh has signed an agreement with India to formally join New Delhi's 'South Asia Satellite' initiative, through which the Indian Space Research Organisation (ISRO) will launch a communication satellite for serving the South Asia region.
(27 March 2017)

Russian Aerospace Forces to launch over 20 spacecraft Russia's Aerospace Forces in 2017 are planning to launch 15 carrier rockets into space, during which over 20 spacecraft will be placed into orbit," the forces' commander, Col. Gen. Viktor Bondarev, said
(20 March 2017)

NASA studying shared Venus science objectives with Russia A team of NASA-sponsored scientists are meeting with the Russian Academy of Sciences' Space Research Institute (IKI) to continue work on a Joint Science Definition Team study focused on identifying shared science objectives for Venus exploration.
(14 March 2017)

UK funding space entrepreneurs The UK Space Agency has awarded just under 150,000 pounds to three business incubation centres across the UK which will support entrepreneurs and small companies in the space industry. The Agency is working with UK industry to deliver world-class science innovation support, in line with the Government's Industrial Strategy, which emphasises the importance of science, innovation and skills.
(14 March 2017)

Potential NOAA cut would be devastating On the surface, it may appear that the administration is actually prioritizing NOAA's weather prediction and warning apparatus, given the smaller 5 percent cuts to the National Weather Service and National Marine Fisheries Service. That's in contrast to the 22 percent and 26 percent spending reductions for NOAA satellites and NOAA weather and climate research, respectively.
(13 March 2017)

ISRO makes more space for private sector participation in satellite making The Indian Space Research Organisation (ISRO) is thinking of ways to enhance involvement of the private sector in its future satellite launches and include local firms in making integrated systems and sub-systems. It is part of the larger efforts of the Indian agency to augment capabilities and tap the growing commercial market for space-based surveillance and communication.
(12 March 2017)

NASA Transition Authorization Act passes House On March 7 the House passed the 'NASA Transition Authorization Act of 2017' which authorizes appropriations of $19.5 billion for the space agency in fiscal year 2017.
(11 March 2017)

Kuwait Space Agency - a pipedream or reality A number of Kuwaitis have started to wonder whether it was feasible to have a national space programme.
(11 March 2017)

India has capability to develop space station, says top official India has the capability to develop a space station, a top official of the state-owned space agency has said. "We have all the capabilities to set up a space station. The day the country takes the decision, we will okay the project. Just draw a policy and provide us necessary funds and time," Indian Space Research Organisation (ISRO) chief A.S. Kiran Kumar told media.
(7 March 2017)

Turkey moves closer to launching own space agency A draft bill for legislation to create a Turkish Space Agency is finalised and readied for review by the Turkish parliament. Finalising this long-envisioned dream will determine the country's space policies and help develop a national space industry.
(6 March 2017)

India's Moon mission on 2018 target, says ISRO chief ISRO boss AS Kiran Kumar says the second lunar mission Chandrayaan 2 is making good progress; it is scheduled for launch next year. But critics question why should India get into the manned spaceflight race when the US and Russia have scaled back.
(4 March 2017)

Space Wars: U.S. Air Force defends its turf As the nation's space mission grows, does the service have enough clout to manage it all?
(2 March 2017)

Italy, Russia working closely on Mars exploration, Earth monitoring satellites There are neither sanctions nor politics in space and cooperation there between Russia, the US and Europe is absolutely vital. In an interview with Sputnik, the head of the Italian Space Agency (ASI), Roberto Battiston, spoke about the joint projects being implemented by ASI and Russia's Roscosmos space agency.
(23 February 2017)

Mystery surrounds return of Pentagon's secretive X-37B spaceplane After nearly two years in space, one of the US Air Force's biggest mysteries may be returning to Earth.
(22 February 2017)

India takes Russian help to analyze chemical composition of lunar surface ISRO has started a series of ground tests for testing the performance of sensors and actuators for soft landing of the Lander on the lunar surface. India Space Research Organization (ISRO) has selected Russian company JSC Isotope for supply of Radionuclide curium-244 (Cm-244) that enables sources to determine chemical composition of any rocks and soils.
(21 February 2017)

Could Glasgow Prestwick airport host UK's first spaceport? Detailed plans to create the UK's first spaceports are set to be unveiled.
(20 February 2017)

Opportunities

NASA AFRC Internship - NASA (United States)
previous work. Students are given an opportunity to interact with NASA researchers, engineers, and technicians in design, construction, implementation, verification

NASA Ames SPHERES/Astrobee Facility - NASA (United States)
NASA Ames SPHERES/Astrobee Facility Brief description of duties: The successful applicant would be involved with software development and general support of the

NASA Journalism and Multimedia Fall Internship - NASA (United States)
INTRODUCTION: NASA invites students working towards degrees in journalism, communications, media relations, science writing, interactive journalism, or broadcast

NASA LaRC Autonomy Incubator - NASA (United States)
This is a multidisciplinary team consisting of engineering from a variety of disciplines including aeronautic, electrical, computer, and mechanical. Other disciplines

NASA LaRC: Crew Systems and Aviation Operations - NASA (United States)
NASA is conducting research in the areas of intelligent flight systems, autonomous systems, aviation operations, flight deck systems, and crew

NASA LaRC: Flight Deck Technologies - NASA (United States)
NASA is conducting research into Increasingly Autonomous Systems (IAS) for the flight deck. This work involves computer programming, machine learning, and human in

Business Analyst for FCI
Serco is a specialist at delivering vital services on behalf of European, National and Local Governments. Serco Europe employs a large workforce in Belgium, Luxembourg, France, Switzerland, Germany, Holland, Spain, Italy and the UK. Our European operations have ca. 2,000 employees delivering critical services to public institutions throughout Europe. Package description Full details on application. Relocation assistance provided if applicable. Main responsibilities Support to the processes related to the main resources of the organizational entity i.e. budgets, manpower, staffing, including planning, execution and followup of the activities and resources budgets, manpower, missions, recharges of the Business Unit Support to the planning, preparation, execution and followup of activities and related procurement actions as relevant managed by the Business Unit and of associated progress in terms of output schedule resources Assessment and monitoring of the status of the procurement ac...

Communication Officer
Serco is a specialist at delivering vital services on behalf of European, National and Local Governments. Serco Europe employs a large workforce in Belgium, Luxembourg, France, Switzerland, Germany, Holland, Spain, Italy and the UK. Our European operations have ca. 2,000 employees delivering critical services to public institutions throughout Europe. Package description Full details on application. Relocation assistance provided if applicable. Main responsibilities The candidate will perform the following tasks and responsibilities Preparing and coordinating internal communications at ESOC Intranet, push mailings Writing, editing or translating information to be added to the ESA web portal covering activities of ESAs Directorate of Operations context www.esa.intops www.esa.intesocde Coordinating web articles for www.esa.de as well as the Austrian and Swiss web sections Supporting or coordinating local ESA multimedia video productions Doing occasional social media promotion and classic...

Copernicus Marine and Ocean Training Officer
Serco is a specialist at delivering vital services on behalf of European, National and Local Governments. Serco Europe employs a large workforce in Belgium, Luxembourg, France, Switzerland, Germany, Holland, Spain, Italy and the UK. Our European operations have ca. 2,000 employees delivering critical services to public institutions throughout Europe. Package description Full details on application. Relocation assistance provided if applicable. Main responsibilities The candidate should be able to perform the following tasks or responsibilities Kick off and briefing covering The nature of EUMETSATs training work The training processes that are in place The roles and responsibilities in training Training infrastructure including Moodle, WebEx Data access and visualisation The initial training planning shall cover A synthesis of the training requirements currently identified and that the provider is aware of An analysis of existing training activities and how EUMETSAT can integrate with ...

Development of Advanced Optical Diagnostics for NASA Ground Test Facilities - NASA (United States)
of several non-intrusive, advanced optical measurement techniques for use in NASA wind tunnel facilities in support of several strategic thrusts identified

Engineering Student Trainee - NASA Pathways Intern - Goddard Space Flight Center (United States)
Tuesday 4/11/2017 (6 day(s) away) ## Job Overview Summary About the Agency The NASA Pathways Intern Program provides students with the opportunity to explore NASA

Facilities Management Process Improvement - NASA Independent Verification and Validation (IV&V) Program Support Office (PSO) - NASA (United States)
Activities for which internship efforts within the NASA Independent Verification and Validation (IV&V) Program Support Office (PSO) consist of basic facilities

Field Support Technician
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Galileo Ground Segment Support Engineer mf
Galileo Ground Segment Support Engineer mf Ref. No. 1713489 Terma The hightech and innovative Terma Group develops products and systems for defense, nondefense and security applications, including command and control systems, radar systems, selfprotection systems for aircraft and vessels, space technology, and aerostructures for the aircraft industry. Terma is headquartered at Aarhus, Denmark. Internationally, Terma has subsidiaries and operations in The Netherlands, Germany, United Kingdom, United Arab Emirates, India, Singapore and the U.S. The Space Business Area contributes with missioncustomized software and hardware products including power systems and star trackers as well as services to support a number of inorbit pioneering European scientific and Earth observation satellite missions. Additionally, Terma is contracted for the development and delivery of software and hardware systems and services for numerous ongoing and future European, and international missions. Terma Space...

GRC Operations Engineer
WHO ARE WE? GMV www.gmv.comis a privately owned technological enterprise group with an international presence employing more than 1.200 staff. Founded in 1984, GMV mainly operates in eight large sectors for both public and private organizations Aeronautics, Space, Defense, Health, Security, Transportation, Telecommunications and Information Technologies. GMV currently runs 8 work centers in Spain and offices in France, Germany, India, Malaysia, Poland, Portugal, Romania, USA, Colombia and United Kingdom. We recruit and hire excellent engineers, and encourage innovation, technical excellence and continuing education. Our engineers regularly present papers at technical conferences, continue their education more than 85 have a masters degree, and we reinvest more than 12 of budget in IRD projects. This striving for excellence, innovation and flexibility is a major part of our culture. We provide very competitive compensation, attractive benefits, and a great work environment with lots of...

GRC Operations Manager
WHO ARE WE? GMV www.gmv.comis a privately owned technological enterprise group with an international presence employing more than 1.200 staff. Founded in 1984, GMV mainly operates in eight large sectors for both public and private organizations Aeronautics, Space, Defense, Health, Security, Transportation, Telecommunications and Information Technologies. GMV currently runs 8 work centers in Spain and offices in France, Germany, India, Malaysia, Poland, Portugal, Romania, USA, Colombia and United Kingdom. We recruit and hire excellent engineers, and encourage innovation, technical excellence and continuing education. Our engineers regularly present papers at technical conferences, continue their education more than 85 have a masters degree, and we reinvest more than 12 of budget in IRD projects. This striving for excellence, innovation and flexibility is a major part of our culture. We provide very competitive compensation, attractive benefits, and a great work environment with lots of...

Network Infrastructure Engineer
Serco is a specialist at delivering vital services on behalf of European, National and Local Governments. Serco Europe employs a large workforce in Belgium, Luxembourg, France, Switzerland, Germany, Holland, Spain, Italy and the UK. Our European operations have ca. 2,000 employees delivering critical services to public institutions throughout Europe. Package description Full details on application. Relocation assistance provided if applicable. Main responsibilities In providing engineering support to developing and deploying network infrastructure and solutions for current and emerging operational networks, the candidate should be required to carry out the following tasks Network infrastructure and solutions design From networking customer, user, or business needs, identification, extractioncollection, analysis consolidation of network use cases e.g. extraction of required data flows and specification of their characteristics Specification of network design andor solution Specificatio...

Payload Integration & Test Lead - NASA Surface Water Ocean Topography (SWOT) Mission - NASA’s Jet Propulsion Laboratory (United States)
universe of opportunities waiting for you! The Jet Propulsion Laboratory (JPL) is NASA ’s lead center for robotic exploration of the solar system. Our core competency

Procurement and Contracts Grants Legal Officer Administrator

The Procurement and Contracts Grants Legal OfficerAdministrator depending on hisher main areas of competence and on priorities will be in charge of supporting the Agency in substantially all the tasks of the Legal and Procurement Department as identified above in particular contributing to andor handling a broad range of legal tasks pertaining to both administrativesupport and operationaltechnical activities of the Agency andor handling procurements, contract management and grants, under the coordination of the relevant Team Leader The Procurement and Contracts Grants Legal OfficerAdministrators tasks and responsibilities shall in principle include without limitation and as may be adjusted by the Head of Department relevant Team Leader 1. Contribution to the provision of legal advice In support of human resources, finance, IT and logistics, communications activities, as well as on operations of the Agency including Galileo and EGNOS exploitation, security, market development On t...

Senior Infrastructure Engineering Consultant fm

For our customer Eumetsat we are looking for a suitable candidate on the base fulltime unlimited contract for the location Darmstadt, Germany starting in July 2017 for the position Senior Infrastructure Engineering Consultantfm Ref. 2017244 Your responsibilities Taking charge and full responsibility of infrastructure projects assigned to the Contractor by the Technical Infrastructure Manager from the infrastructure project portfolio Conducting communication of technical nature with contractors, suppliers and project stakeholders. Supporting the IME CA Manager in project scheduling. Supporting IME CA Manager in project related procurements by sourcing different materials and equipment and collecting price offers for these. This does not imply budget responsibility for the incumbent. Responsible for warehousing and logistics of consumable materials for operations including the maintenance Responsible for preparing obsolete material for disposal complete with appropriate documentation Pr...

Senior/Senior Advanced Quality Engineer (NASA) - KBRwyle (United States)

Title: Senior/Senior Advanced Quality Engineer (NASA) Location: US-US-MD-GREENBELT Job Number: 00336429 KBRwyle seeks an experienced Quality Engineer to provide

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