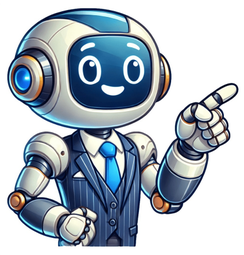
I'm not a bot



========== The Vermeer BorePlan manual provides essential guidance on utilizing the Vermeer BorePlan application. Before using this product, it is crucial to thoroughly study and comprehend these instructions. If uncertainty arises or additional information is required, consult with your Vermeer dealer. Notably, the manual's content may have evolved since its publication date, as the manufacturer, Vermeer Corporation, may have introduced new features and improvements not contained within the manual. The company reserves the right to modify the product at any time without prior notice. For users seeking detailed technical information on various Vermeer equipment models, such as horizontal directional drills, skid steer loaders, drill machines, excavators, and vacuum excavators, the provided list of downloadable PDF manuals offers comprehensive resources. These manuals cover a wide range of products, including the D16x20A Navigator, D33x44, D36x50, RT450 Tractor, RTX250, S450TX Mini Skid Steer, and S925TX Mini Skid Steer models. Vermeer Corporation, based in Pella, Iowa, is a leading global manufacturer of industrial and agricultural equipment. Founded in 1948 by Gary Vermeer, the company has expanded to become a prominent player in various industries, including construction, mining, landscaping, and agriculture. Its products include horizontal directional drilling machines, among others. Looking for Vermeer products manuals, safety resources or any other assistance? The company offers a range of care equipment, mini skid steers, brush chippers, stump cutters, compost turners, trenchers, and vacuum excavators. Vermeer Corporation is committed to customer needs and innovation, introducing new technologies and features to its products. With a global presence in North and South America, Europe, Asia, Africa, and Australia, the company prioritizes sustainability and responsible business practices. The new RTX1250i2 tractor attachment features a Vermeer Fleet-ready system for efficient management of engine hours, downtime, fuel consumption, location, and fault codes. Additionally, this model is equipped with the Deutz TCD Tier 4 (Stage IV) Engine, which provides a volume of 3.6 L, a power output of 127 h.p. (94.7 kW), maximum torque of 500.3 Nm, and a maximum speed of 16.3 km / h. The minimum travel speed for working is 1.3 m / min, with a base weight of tracks at 7330.1 kg, length of 3.8 m, width of 222.3 cm, and ground clearance of 34.3 cm. The manufacturer has granted a permissive license to use, share, adapt, remix, transform, and build upon the material for any purpose, including commercially. However, attribution must be given, and any modifications should be linked back to the original source.Imogen was descrbied as "puns-and-needles"? ... that Chad McCharles, before becoming a bishop, moonlighted as a skool bus driver? ========== The Vera C. Rubin Observatory in Chile released the first light images from its new 8.4-metre (28 ft) telescope. Oklahoma City Thunder defeat Indiana Pacers to win the NBA Finals. 3I/ATLAS is a recently discovered interstellar comet, detected by the Asteroid Terrestrial-impact Last Alert System (ATLAS) on July 1st, 2025. The comet was found to be approximately 4.5 astronomical units (AU) away from the Sun at the time of its discovery. It's moving with incredible speed - a whopping 61 kilometers per second. ========== Its orbit is quite unique; it follows an unbound hyperbolic trajectory around our solar system, which means it won't return anytime soon. This comet has made headlines as the third confirmed interstellar object to pass through our cosmic neighborhood after 'Oumuamua and Borisov. It could be on a highly eccentric path that might come close to Earth's orbit. This prompted the MPC to list the object in the Near-Earth Object Confirmation Page. Follow-up observations from other observatories, involving both professional and amateur astronomers, began to reveal that the object's trajectory would not come near Earth. Instead, it could be interstellar with a hyperbolic trajectory. Pre-discovery observations of 3I/ATLAS confirmed its interstellar trajectory; these include Zwicky Transient Facility observations from 14 to 21 June 2025, and ATLAS observations from 25 to 29 June 2025. Amateur astronomer Sam Deen noted additional ATLAS pre-discovery observations from 5 to 25 June 2025. He suspected that 3I/ATLAS wasn't discovered earlier because it was passing in front of the Galactic Center's dense star fields, where the comet would be hard to discern. Initial observations of 3I/ATLAS were unclear on whether it is an asteroid or a comet. Various astronomers, including Alan Hale, reported no cometary features. However, observations on 2 July 2025 by the Deep Random Survey, Lowell Discovery Telescope, and Canada–France–Hawaii Telescope showed a marginal coma and a short tail 3 arcseconds in angular length, indicating the object is a comet. On 2 July 2025, the MPC announced the discovery of 3I/ATLAS and gave it the interstellar object designation "3I," signifying it being the third interstellar object confirmed. The MPC also gave 3I/ATLAS the non-periodic comet designation C/2025 N1 (ATLAS). By the time 3I/ATLAS was announced, the MPC had collected observations from David Jewitt and Jane Luu using the Nordic Optical Telescope on 2 July 2025, confirming it was "clearly active" with a diffuse tail. Miguel R. Alarcón and a team of researchers from the IAC using Teide Observatory's Two-meter Twin Telescope also found cometary activity on the same date, with a tail at least 25,000 km long. Faulkes Telescope North measurements showed the comet's coma had a reddish color indicative of dust, similar to 2I/Borisov. Immediate observations couldn't determine a rotation period. Instead, they found minimal brightness variation, possibly due to the dust coma obscuring the nucleus. On 6 July, additional observations were published, including Zwicky Transient Facility precoveries from several nights between 22 May and 21 June 2025. The comet follows an unbound hyperbolic trajectory around the Sun. Its orbital eccentricity of 6.14±0.02 is the highest among known interstellar objects. The comet will come closest to the Sun at perihelion on 29 October 2025. At perihelion, the comet will move at a maximum velocity of 68 km/s with respect to the Sun. When far away from the Sun, the comet's hyperbolic excess velocity will be 58 km/s. The comet's trajectory is inclined 175°, retrograde and inclined 5°, with respect to the ecliptic.3I/ATLAS: Interstellar Comet Approaches Mars, Earth, and Jupiter ========== 3I/ATLAS appears to originate from the thin galactic disk.[11] As 3I/ATLAS approaches perihelion, it will pass near Mars on October 3, 2025, at a distance of approximately 29 million km or 18 million miles. After passing Mars, 3I/ATLAS will approach Earth on December 19, 2025, and then Jupiter in March 2026. The comet may become visible to Martian orbiters due to its proximity to the planet. However, it will not be observable from Earth at perihelion because we will be on opposite sides of the Sun. 3I/ATLAS is expected to make a close approach to Mars and potentially reach an apparent magnitude of 11, allowing for its observation by Martian orbiters.[11] The comet's absolute magnitude suggests a maximum diameter of approximately 24 km if it were a dark asteroid. However, due to its active nature, the actual size of its nucleus is expected to be smaller. Comparing 3I/ATLAS with another interstellar comet, 2I/Borisov, suggests that 3I/ATLAS may have a larger nucleus diameter, potentially up to 4-5 km. The comet's estimated maximum brightness will not exceed an apparent magnitude of 11.5, making it difficult for observers with 50 mm binoculars to see it.3I/ATLAS is a small object present around the nucleus, indicating it is significantly smaller.[10] ^ In the Minor Planet Center discovery announcement, the discovery observation time ("2025 07 01.218880"[1]) translates to 1 July 2025 05:15:11 UT.[13] While earlier observations were later found, this was the first reported to the Minor Planet Center, received on 1 July 2025 at 07:48 UT.[14] ^ The escape velocity from the Solar System depends mostly on how close you are to the Sun. Mars at 1.5 AU from the Sun has an orbital speed of only 24 km/s. At Mercury's orbit at 0.4 AU from the Sun, the escape velocity is about 68 km/s, which matches 3I/ATLAS's velocity at 1.35 AU from the Sun. The escape velocity from the surface of the Sun is 618 km/s. ^ Near Jupiter on 16 March 2026, the 3-sigma uncertainty in the object's position is 2.3 million km (0.015 AU). ^ "MPEC 2025-N12 : 3I/ATLAS = C/2025 N1 (ATLAS)". Minor Planet Electronic Circulars. Minor Planet Center. 2 July 2025. Retrieved 2 July 2025. ^ Deen, Sam (2 July 2025). "Groups.io MPML: Re: What is going on with A11pl3Z? #40734". ^ a b c d "3I/ATLAS: vinf 1600 + perihelion + vinf 2450 (stepsize 425 years)". JPL Horizons. Archived from the original on 4 July 2025. Retrieved 7 July 2025. ^ Lissauer, Jack J.; de Pater, Imke (2013). Fundamental Planetary Sciences: Physics, Chemistry, and Habitability. New York: Cambridge University Press. pp. 29–31. ISBN 9781108411981. ^ a b c Deen, Sam (2 July 2025). "Groups.io MPML: Re: What is going on with A11pl3Z? #40719". ^ "Perihelion on 29 Oct 2025". JPL Horizons. Archived from the original on 7 July 2025. Retrieved 7 July 2025. 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Retrieved 2 July 2025. ^ a b c Jewitt, David; Luu, Jane (3 July 2025). "Interstellar Interloper C/2025 N1 is Active". The Astronomer's Telegram (17263). Retrieved 3 July 2025.it is ofifical ^ that ^ an ^ interstellar ^ object ^ is ^ visiting ^ our ^ solar ^ system As a pioneering force in agricultural and industrial equipment manufacturing, Vermeer relies on its diverse team of over 3,500 dedicated individuals making a tangible difference. Globally, Vermeer's team members are actively involved in designing, building, and supporting robust machinery that caters to the needs of communities worldwide, facilitating food production, resource management, and essential services delivery. Headquartered in Pella, Iowa, USA, Vermeer operates with regional offices in Brazil, the Netherlands, and Singapore; manufacturing facilities in South Dakota and Tianjin; and over 600 dealers across the globe. Embracing a strong legacy of innovation and perseverance, Vermeer has been meeting customer demands worldwide for more than seven decades. Guided by its 4P Philosophy – Principles, People, Product, and Profit – Vermeer's core values drive its culture, dictate how it interacts with others, and shape its business strategy. As a family-owned company since 1948, Vermeer exemplifies successful family businesses, built on solid foundations of values and led by individuals striving for progress and community welfare. Vermeer's influence is palpable worldwide, with machines designed to empower customers across various sectors such as underground construction, surface mining, tree care, environmental protection, and agriculture. These machines not only make the world function but are also driven forward by Vermeer's people, who actively contribute to moving their communities, industries, and causes forward. 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