Frequency Electronics Marks Voyager 1's Arrival at One Light-Day From Earth

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FEI built the timing references that flew aboard Voyager 1 and Voyager 2 in 1977, part of a precision-timing heritage dating to 1961 that now serves space, air, land and sea

MITCHEL FIELD, N.Y., Nov. 19, 2026 (GLOBE NEWSWIRE) -- Frequency Electronics, Inc. ("FEI" or the "Company") (NASDAQ: FEIM), a leading provider of precision timing and frequency control products, today marked a milestone for NASA's Voyager 1 spacecraft. Voyager 1 reached one light-day from Earth on Nov. 18, 2026, at 5:16:07 a.m. EST: about 16.094 billion miles (25.902 billion kilometers). According to NASA, it is the first human-made object to travel that far.

Voyager 1 launched on Sept. 5, 1977, and has been traveling for 49 years, 2 months and 11 days. At this distance, a radio signal takes 24 hours to reach the spacecraft and another 24 hours to return. A command sent on the day of the milestone cannot be confirmed until the following day, Nov. 19.

FEI manufactured the basic timing references for the Voyager 1 and Voyager 2 missions. In 1973, NASA's Jet Propulsion Laboratory (JPL) asked FEI to develop a compact, low-power, oven-controlled quartz crystal oscillator that could survive deep space. The resulting design became known as the ultra-stable oscillator, or USO. It gave the spacecraft a highly stable frequency reference for radio science, which let scientists study planetary atmospheres and rings by measuring how Voyager's radio signal changed as it passed through them. The oscillator on Voyager 2 operated for decades. FEI carried that work into later deep-space oscillators, including JPL's Deep Space Atomic Clock, Mars Reconnaissance Probe, and Magellan spacecraft.

Tom McClelland, President and CEO of FEI said, "FEI has been building precision timing products since 1961, and Voyager is one of the proudest chapters in that history. Our engineers solved a hard problem with very little power or mass to spare, and that same discipline goes into everything we build today.

"Because we start from the quartz itself, we can control performance from the material up; through product design and qualification. The lessons from Voyager about stability and long life still shape how we design products today."

Founded on Long Island in 1961, FEI is a vertically integrated designer and manufacturer of precision timing solutions. From raw quartz to high-purity quartz crystal resonators, oscillators, and rubidium atomic frequency standards, FEI’s in-house manufacturing ensures quality, traceability, and long-term reliability. Its ruggedized and space-qualified timing products support satellite, aerospace, defense, naval, GPS, and secure communications applications.

"Whether the platform is a satellite, an aircraft, a ground system or a ship at sea, our customers need timing that keeps working for the life of the mission," said Jerry Cogen, Sr. Vice President of Program Operations. " The Voyager USO leads by example, the commitment we have to our customers."

NASA marked the milestone with a public "Shine Bright for Voyager's Light-Day" event on Nov. 17 and will have a discussion at JPL on Nov. 19 at 12 p.m. EST. Mission information is available at science.nasa.gov/mission/voyager.

FEI supplied hardware to the Voyager program. This release does not imply endorsement by NASA or JPL.

About Frequency Electronics

Frequency Electronics, Inc. (FEI) is a world leader in the design, development and manufacture of high precision timing, frequency generation and RF control products for space and terrestrial applications. FEI’s products are used in satellite payloads and in other commercial, government and military systems including C4ISR and electronic warfare, missiles, UAVs, aircraft, GPS, secure communications, energy exploration and wireline and wireless networks. FEI-Zyfer provides GPS and secure timing capabilities for critical military and commercial applications; FEI-Elcom Tech provides Electronic Warfare (“EW”) sub-systems and state-of-the-art RF and microwave products. FEI has received over 100 awards of excellence for achievements in providing high performance electronic assemblies for over 150 space and DOD programs. The Company invests significant resources in research and development to expand its capabilities and markets.
www.freqelec.com

FEI’s Mission Statement: “Our mission is to transform discoveries and demonstrations made in research laboratories into practical, real-world products. We are proud of a legacy which has delivered precision time and frequency generation products, for space and other world-changing applications that are unavailable from any other source. We aim to continue that legacy while adapting our products and expertise to the needs of the future. With a relentless emphasis on excellence in everything we do, we aim, in

these ways, to create value for our customers, employees, and stockholders."

Forward-Looking Statements

The statements in this press release regarding future earnings and operations and other statements relating to the future constitute "forward-looking" statements pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements inherently involve risks and uncertainties that could cause actual results to differ materially from the forward-looking statements. Factors that would cause or contribute to such differences include, but are not limited to, our inability to integrate operations and personnel, actions by significant customers or competitors, general domestic and international economic conditions, reliance on key customers, continued acceptance of the Company's products in the marketplace, competitive factors, new products and technological changes, product prices and raw material costs, dependence upon third-party vendors, other supply chain related issues, increasing costs for materials, operating related expenses, competitive developments, changes in manufacturing and transportation costs, the availability of capital, the outcome of any litigation and arbitration proceedings, and failure to maintain an effective system of internal controls over financial reporting. The factors listed above are not exhaustive and should be read in conjunction with the other cautionary statements that are included in this release and in our filings with the Securities and Exchange Commission. The Company's Annual Report on Form 10-K for the fiscal year ended April 30, 2024, filed on August 2, 2024 with the Securities and Exchange Commission includes additional factors that could materially and adversely impact the Company's business, financial condition and results of operations, as such factors are updated from time to time in our periodic filings with the Securities and Exchange Commission, which are accessible on the Securities and Exchange Commission's website at www.sec.gov. Moreover, the Company operates in a very competitive and rapidly changing environment. New factors emerge from time to time and it is not possible for management to predict the impact of all these factors on the Company's business, financial condition or results of operations or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. Given these risks and uncertainties, investors should not rely on forward-looking statements as a prediction of actual results. Any or all of the forward-looking statements contained in this press release and any other public statement made by the Company or its management may turn out to be incorrect. The Company expressly disclaims any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

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