

Dossier



Foot Meteorite

"Unearth the Extraordinary: The Foot Meteorite – Where Cosmic Mysteries and Earthly Marvels Collide!"

1. Location and Discovery:

The Foot Meteorite was discovered on the Tug Hill Plateau in the forested area near the town of Worth in the Village in Diamond, NY. The finder named it the "Foot Meteorite" due to its distinct shape reminiscent of a human foot. This oriented meteorite was found through careful observation and analysis in the specified location.



2. Orientation and Fusion Crust:

The Foot Meteorite exhibits clear signs of orientation, indicating a preferential alignment during its atmospheric entry. This alignment can be observed through the asymmetrical shaping of the meteorite, particularly resembling the form of a human foot.

The fusion crust is a thin layer on the surface of a meteorite, formed during its passage through the Earth's atmosphere. This crust is typically composed of melted and vaporized material from the outer layer of the meteoroid. The fusion crust on the Foot Meteorite attests to its entry through the Earth's atmosphere.



3. Flow Lines (Regmaglypts):

Regmaglypts are small, thumbprint-like depressions on the surface of a meteorite caused by ablation during atmospheric entry. The Foot Meteorite displays prominent regmaglypts, indicating a dynamic interaction with the Earth's atmosphere. The presence of these flow lines provides valuable insights into the meteorite's journey through space and its encounter with atmospheric forces.



4. Interior Composition:

The interior of the Foot Meteorite is characterized by a distinctive yellow hue, setting it apart from the exterior. This coloration suggests variations in mineral composition or oxidation processes during the meteorite's formation and exposure to space. Further analysis of the internal structure may provide insights into the meteorite's origin and history.



5. Density and Dimensions:

The Foot Meteorite is remarkably dense, weighing 8.5 pounds. Its maximum dimensions measure 9 x 6 inches, making it a substantial and visually striking specimen. The density and size of the meteorite contribute to its rarity, as larger and denser meteorites are less commonly found.



6. Vesicles During Formation: When the meteorite's parent body was in a molten or partially molten state, gases, such as carbon dioxide, water vapor, or other volatile compounds, could become trapped within the molten material. As the material solidified, these trapped gases created small cavities or vesicles within the meteorite.



7. Rarity and Significance:

Several factors contribute to the rarity and significance of the Foot Meteorite:

- **Distinct Shape:** The meteorite's unique foot-like shape is unusual and adds to its scientific and aesthetic value.
- **Orientation:** The clear orientation indicates specific atmospheric conditions during entry, providing valuable data for researchers.
- **Flow Lines and Fusion Crust:** The well-defined regmaglypts and fusion crust point to a significant atmospheric interaction, making the meteorite an intriguing subject for further study.
- **Density and Size:** The combination of high density and substantial size enhances the rarity of the Foot Meteorite, as such specimens are less frequently encountered.



The Foot Meteorite stands out as a rare and scientifically valuable find, offering a glimpse into the dynamic processes of meteoritic interaction with the Earth's atmosphere. Further analysis and research on this specimen could contribute significantly to our understanding of celestial bodies and their evolution.



Currently, the Foot Meteorite has found its exclusive place in a private collection nestled in the vibrant locale of Palm Beach, Florida. This captivating meteorite, with its unique foot-shaped allure and cosmic history, is now available for acquisition. Immerse yourself in the extraordinary by seizing the opportunity to own this celestial marvel, as its owner graciously presents it for sale at \$65,000.00. Enrich your collection with the rare fusion of cosmic artistry and earthly elegance embodied in the Foot Meteorite – a timeless testament to the wonders of the cosmos, now within your reach.

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