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## Article:

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## Modern and Ordovician Fe-Si chemical precipitates A18: F-O type Fe-Si $\bigcirc$ $\odot$ precipitates in this study A17: F-N type Fe-Si precipitates in this study A16: Fe-Si precipitates from the Jan Mayen hydrothermal fields A15: Plum particles from the Rainbow vent of Mid-Atlantic Ridge A14: Fe-oxide precipitates from the Chocolate Pots hot springs A13: Ordovician jasper beds from Norway Ancient IFs A12: Magnetite from the Biwabik IF of Minnesota (1.88 Ga) A11: Fe silicate from the Biwabik Δ IF of Minnesota (1.88 Ga) A10: Brockman IF in western Austrilia (2.45 Ga) A9: Bulk samples from IFs in southwest Greenland (3.8-3.7 Ga) High-temperature hydrothermal fluids A8: Biovent hydrothermal fluid A7: Tica vent hydrothermal fluid A6: Bio9 vent hydrothermal fluid A5: K vent hydrothermal fluid A4: Rainbow vent hydrothermal fluid A3: TAG vent hydrothermal fluid Evolved hot springs or hydrothermal fluids

-0.50

 $\delta^{56}$ Fe(%0, IRMM014)

A2: Evolved hydrothermal fluid at the Jan Mayen hydrothermal vent

0.50

1.00

1.50

A1: Fluid at the Chocolate Pots hot springs in the Yellowstone Park

0.00

-1.50

-1.00

-2.00

-2.50