

SYNCHROTRON LIGHT RECORDINGS: OBSERVATIONS FROM EGYPT IN ANTIQUITY

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At 27.8°N, 32.6°E, Ancient Egypt was well-positioned to observe synchrotron radiation light from Birkeland currents coming in and out of the polar regions as-well-as those directly overhead. Together with an advanced society capable of recording these events on basalt, diorite, and granite; hieroglyphics carved with molybdenum tools; and lapidary and metallurgy skills, provides us not only the morphology of the archeoplasma sky, but the colors as well. The trueness of antiquity recordings is replicated on a petaflop computer using a fully 3D PIC code and tens of millions of plasma particles. Not expected was the morphing of light-emitting plasma collisions, as interpreted by an observer in the culture. These are seen in the 56 (gaussian peak) ray current patterns flowing past Earth recorded on nearly all finely-carved statues of the Pharaohs (nemes headcloths and nekhbet wing wrappings) and number of feathers on the sacred birds carved on steles, interlaid gold coffins, and a plethora of artifacts.



Left, Golden Mask, Tutankhamun, 56 gold bars and 56 blue lapis lazuli. Right, The patron goddess Nekhbet vulture found in Tutankhamun's tomb. The 56 white lines mark the wings.

1. A. Peratt, F. Yao, P. Bustamante, R. Tuki, The THEMIS magnetospheric Breach Discovery and an Anomaly in Petroglyphs, APS, Conference Record, Denver, Colorado May 2-5, 2009
2. A. L. Peratt and W. F. Yao, *Physica Scripta* **T131**, October 2008.

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