

a new species of cartographic consciousness:

& Communicate

Using World Maps to Support Global Thinking

Constant-Scale
Natural Boundary

Depict Global Features
Predict Planetary Behavior

Complementary inversion
of Area of Interest

MERCURY RESULTS AND INTERPRETATION:

The right map shows two distinct blue areas (older plains), each centered on a hot pole, and almost entirely surrounded by younger plains (orange). The bluest portions are found in the south, indicating hemispheric asymmetry, and the blue area near zero longitude is clearly larger.

The left map shows two distinct orange areas, with a trail of brighter spots and surrounding quasi-linear rays or tectonic features, primarily at higher latitudes, and associated with cold poles.

These patterns suggest that the thermal environment due to Mercury's 3:2 spin:orbit resonance influenced where early volcanism and internal differentiation occurred.

Area of Interest

Medial Axis of the
Area of Interest

Area of Interest informed by
proportionate relationships
in the large

Area of Interest *cropped*

Local truth
infected with
myopia, or at
least abstract
extrapolation

Area of Interest *reformatted*

Paul Daniel Lowman, Jr.
1931-2011

MERCURY

VENUS

EARTH

MARS

SUN
14 OCTOBER 2012

MOON

JUPITER

SATURN

URANUS

NEPTUNE

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