Advanced Attribute Library

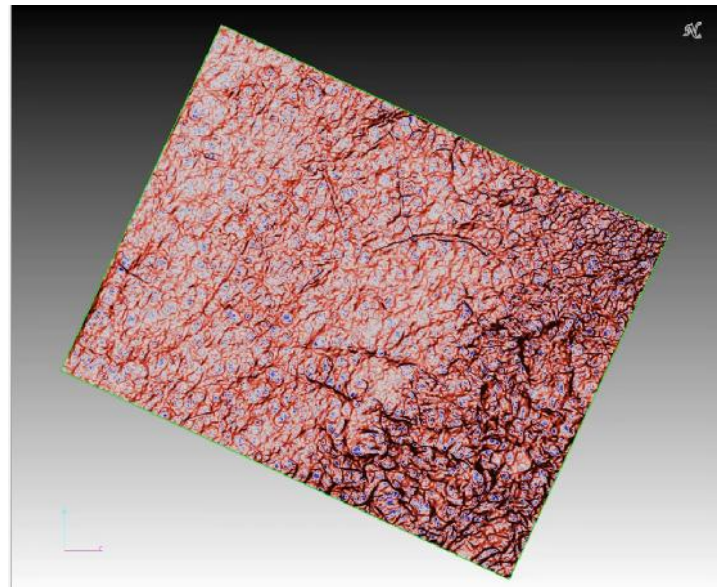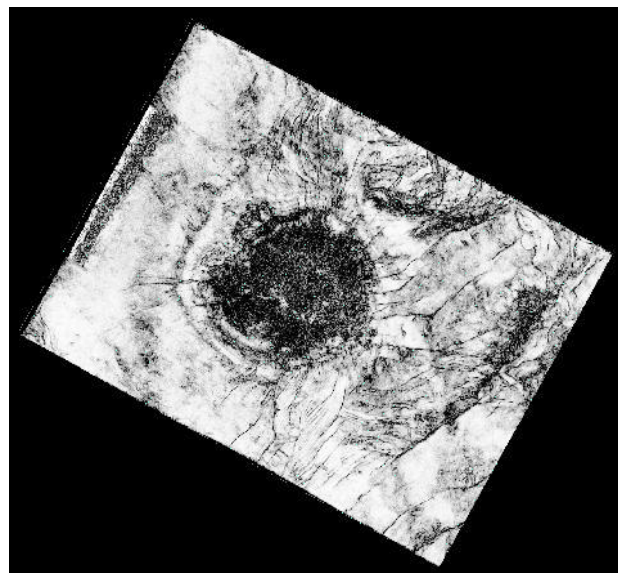*Licensed through the AASPI Consortium, The University of Oklahoma*

Overview

The evaluation of seismic attributes is a powerful tool in the interpretation of different geologic environments of deposition. Seismic attributes, especially geometric and spectral decomposition attributes, provide a framework for interpreting geologic features that define depositional environments. Using the Advanced Attribute Library interpreters can systematically incorporate seismic attribute evaluations in a comprehensive interpretation of the environment of deposition, employing an array of instantaneous, geometric, and spectral decomposition attributes.

The Advanced Attribute Library dramatically expands the library of available attributes in Paradise to over 100, covering:

- Dip
- Similarity
- Curvatures
- Texture
- Structure-Oriented Filter 3D
- Spectral Decomposition
- Spectral Attributes

Structural Curvature Attribute

Volcano with Radiation Faults

Overview

The Advanced Attribute library is based on routines developed by the world-class Attribute Assisted Seismic Processing & Interpretation (AASPI) Consortium at The University of Oklahoma and licensed to Geophysical Insights. The Paradise Attribute Generator presents these powerful routines in straightforward Thought-Flows, making them available for all interpreters who use Paradise for attribute generation and analysis.

Where once complicated processes existed and advanced knowledge of attributes was required to generate geometric and spectral decomposition attributes, they are now readily available in a robust but easy-to-use interface. Geoscientists may select the built-in default parameters or adjust adv-anced parameters as desired to fit the geologic setting and goals of an analysis.