

# CORAL REEF MAPPING

Courtesy of  SPECTRUM  
MAPPING, LLC

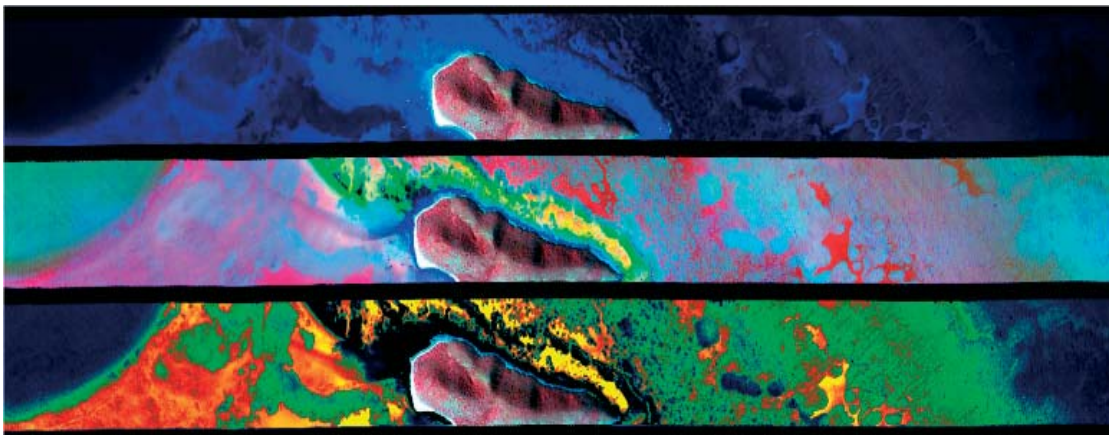


Figure 1. Coral reef imagery.

The top image is a typical imagery product with false colour composite. The limitations of 3 band displays make it difficult to demonstrate the depth of spectral information.

The middle image is a composite of 3 MNF (Minimum Noise Fraction) images that were calculated from all the 29 available spectral bands. The MNF calculation is a data compression/visualization algorithm that compresses the amount of coherent signal found in the complete data set to just a few derived bands.

The bottom image shows the scope of information within the imagery as can be seen by the simple application of a colour ramp to a single MNF band.