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Hyperspectral Remote Sensing in North Africa

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SUMMARY

Hyperspectral remote sensing is a technique that uses reflected solar radiation to determine the spectral response within a determined area (pixel) on the surface of the earth. Airborne hyperspectral techniques can aid in the location of macroseeps by direct detection and may be used indirectly to locate microseeps. The purpose of this presentation is to raise awareness of hyperspectral remote sensing as a direct hydrocarbon exploration tool. I will demonstrate how the technique works and show spectral hydrocarbon signatures, which aid in hydrocarbon detection. Examples of surface seeps North Africa will show how the technique is successful in locating hydrocarbons at the surface.

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