

Introduction

Demonstrating the effectiveness of hyperspectral sensors to explore for geothermal resources will be critical to our nation's energy security plans. Discovering new geothermal resources will contribute to established renewable energy capacity and lower our dependence upon fuels that contribute to green house gas emissions.

The use of hyperspectral data and derived imagery products is currently helping exploration managers gain greater efficiencies and drilling success. However, more work is needed as geologists continue to learn about hyperspectral imaging and, conversely, as data processors begin to understand how to apply certain target minerals, mineral assemblages, and temperature data to deliver meaningful

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