Geologists' Tools in Space

EOSDIS data show local and regional patterns of geologic structures, rock outcrops, soils, and sediments.

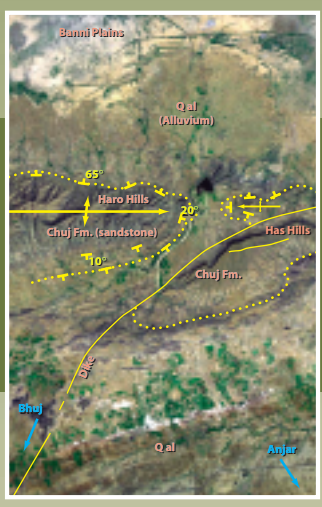
Terra MODIS image gives a synoptic view of a remote part of the Sahara Desert along the southern border between Algeria and Libya.

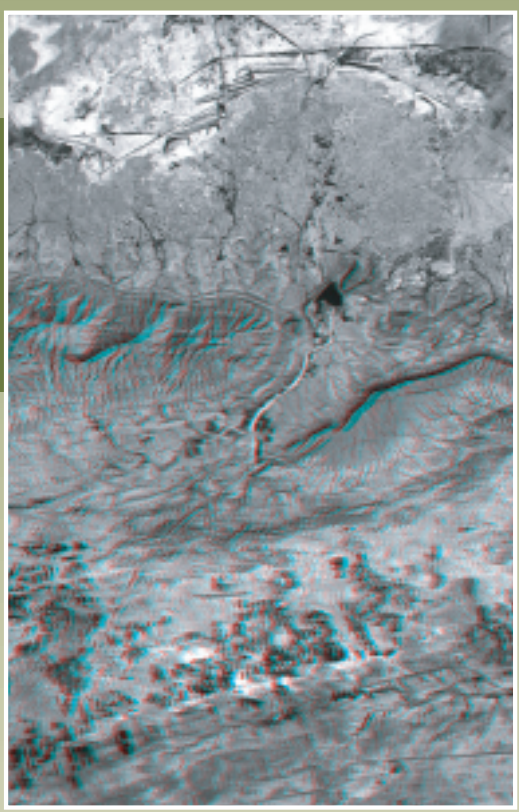
Image courtesy of Luca Pietranera, Telespazio, Rome, Italy

Image annotation after Seeber et al., 2001

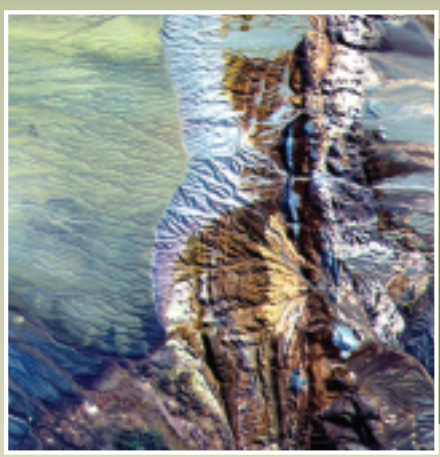
Landsat 7 ETM+ color and anaglyph images show geologic structures of India's Katch region.

Images courtesy of Landsat Science Team





Red–blue glasses required to view 3–D effects.

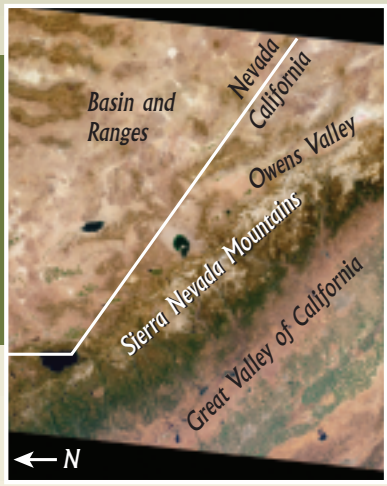


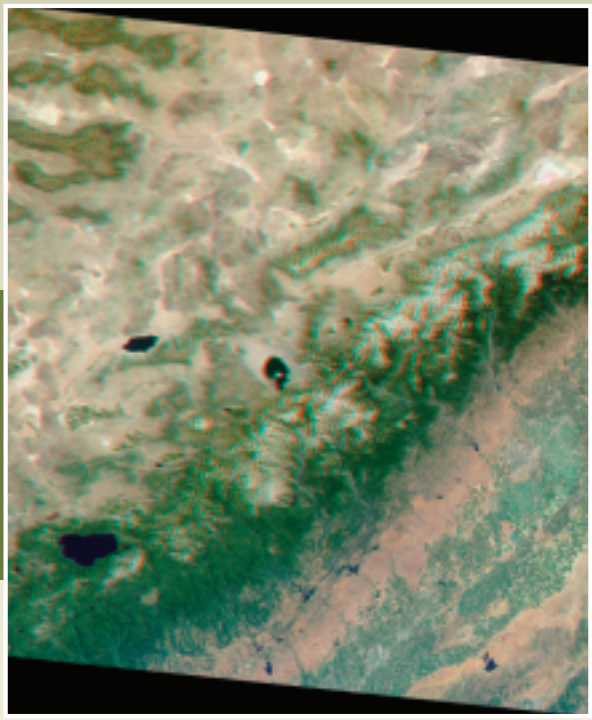
Terra ASTER image of the Altiplane of Chile displays a very clear view of an angular unconformity.

Image courtesy of NASA/GSFC/MITI/ERSDAC/JAROS, and U.S./Japan ASTER Science Team

Terra MISR color and anaglyph images feature two views of the central Sierra Nevada Mountains.

Images courtesy of NASA/GSFC/JPL, MISR Science Team





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National Aeronautics and Space Administration

Ground truth is necessary to identify geologic elements in some images.

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