

BASICS OF GEOLOGICAL REMOTE SENSING

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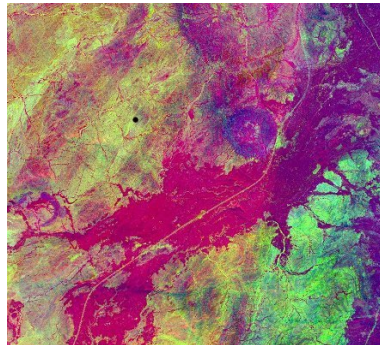
A NEW LOW-COST E-BOOK ON GEOLOGICAL REMOTE SENSING

Aimed at all geologists who are not already remote sensing specialists, but particularly at students and geologists in the developing world.

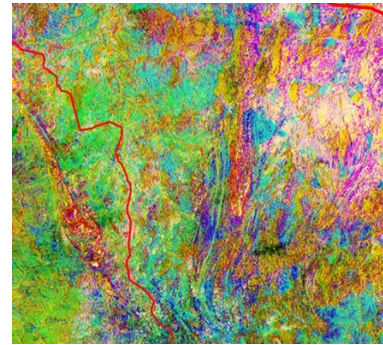
The emphasis is on free and low-cost data, and on free or open-source software

Based on the author's long experience of geological remote sensing in Africa, the Middle East, Europe and Australia, the book includes -

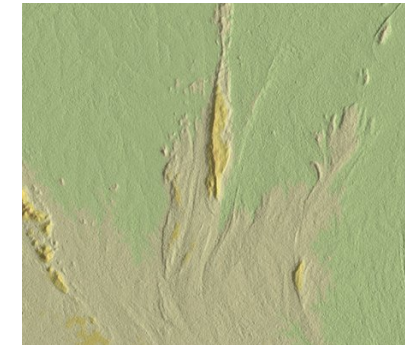
- principles of remote sensing
- main archive and operational sensor systems
- basics of image processing applied to geology
- integration of remote sensing into geological mapping and mineral exploration
- uses of remote sensing in environmental monitoring and reporting
- remote sensing for production and exploration intelligence
- sources of imagery and other data
- numerous links to other publications and free sources of information



Landsat 8 thermal composite



ASTER SWIR decorrelation stretch



Hillshaded ASTER DEM

The book uses examples from Africa, the Middle East and Australia, and is linked to online courses in geological remote sensing with sample data-sets

The e-book will be published in all major formats, suitable for e-readers, tablets and laptops, in early December 2013. The initial pricing is planned to be US\$5 or UK£3