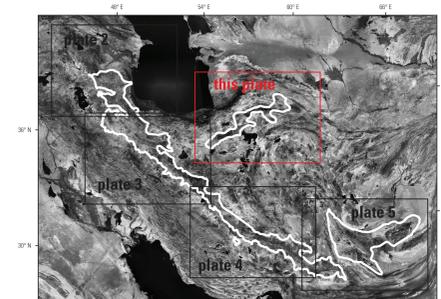
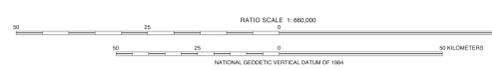


Base is Landsat Thematic Mapper band 7 grayscale image (http://landsat.usgs.gov). Universal Transverse Mercator projection.

Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) data was used to map hydrothermal alterations, including phyllic- and argillic-altered rocks.



Index map showing location of this ASTER hydrothermal alteration map area (red outline), bordering map areas (black outlines), and volcanic belt boundaries (white outlines).

EXPLANATION

[NOTE FOR PLOT USERS: Small, isolated data areas may be difficult to see on plots; see files for detail (http://pubs.usgs.gov/sir/2010/5090/0/)]

Alteration units, mapped using ASTER data

- Phyllic-altered rocks
- Argillic-altered rocks
- Volcanic belt boundary

ASTER Hydrothermal Alteration Map of the Alborz Magmatic Belt, North-Central Iran

By
 John C. Mars
 2014

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This map was prepared as an electronic platefile directly from digital files. Chromatic calibration may vary between electronic platefiles and printed versions of this map. Accuracy of data points and lines is not guaranteed. Conditions, locations, scale, and projection are those of the original data.

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Significant updates to this map are available at <http://pubs.usgs.gov/sir/2010/5090/>

Support contact: John C. Mars, ASTER hydrothermal alteration map of the Alborz magmatic belt, north-central Iran, plate 6 of 10, SIR 2010-5090-0. For more information, contact the U.S. Geological Survey, Open-File Report 2010-5090-0. Also visit www.usgs.gov for the most current and complete information on ASTER data and the National Geospatial Data Archive (NGDA) program. For more information on the U.S. Geological Survey's Open-File Report program, visit <http://pubs.usgs.gov/sir/>.

SIR 2010-5090-0
 http://pubs.usgs.gov/sir/2010/5090-0/