

SOUTH ROSS SEA REGION

1 : 25 000 SCALE IMAGE MAPS INDEX

Produced by the U. S. Geological Survey with support from the National Science Foundation, Interagency Agreement OPP 9114787.



Lambert conformal conic projection
Standard parallels 76°40'S and 79°20'S
International Terrestrial Reference Frame 1996

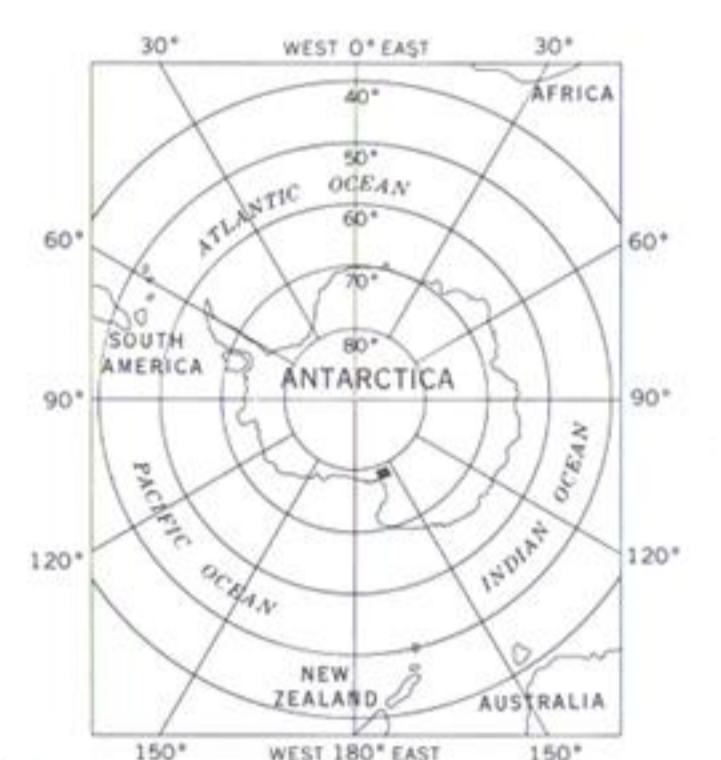
Technical information related to this image map and access to the digital data can be obtained from the Antarctic Resource Center, Mail Stop 515, U.S. Geological Survey National Center, Reston, VA 20192, or www.usarc.usgs.gov.

DATA EXPLANATION

The satellite images were recorded by the Landsat thematic mapper in the multispectral mode and are composed of the following spectral bands:
2 (0.52-0.60 nanometer, green-yellow) shown in blue on the map
4 (0.76-0.80 nanometer, near-infrared) shown in green on the map
7 (2.08-2.35 nanometers, middle-infrared) shown in red on the map.

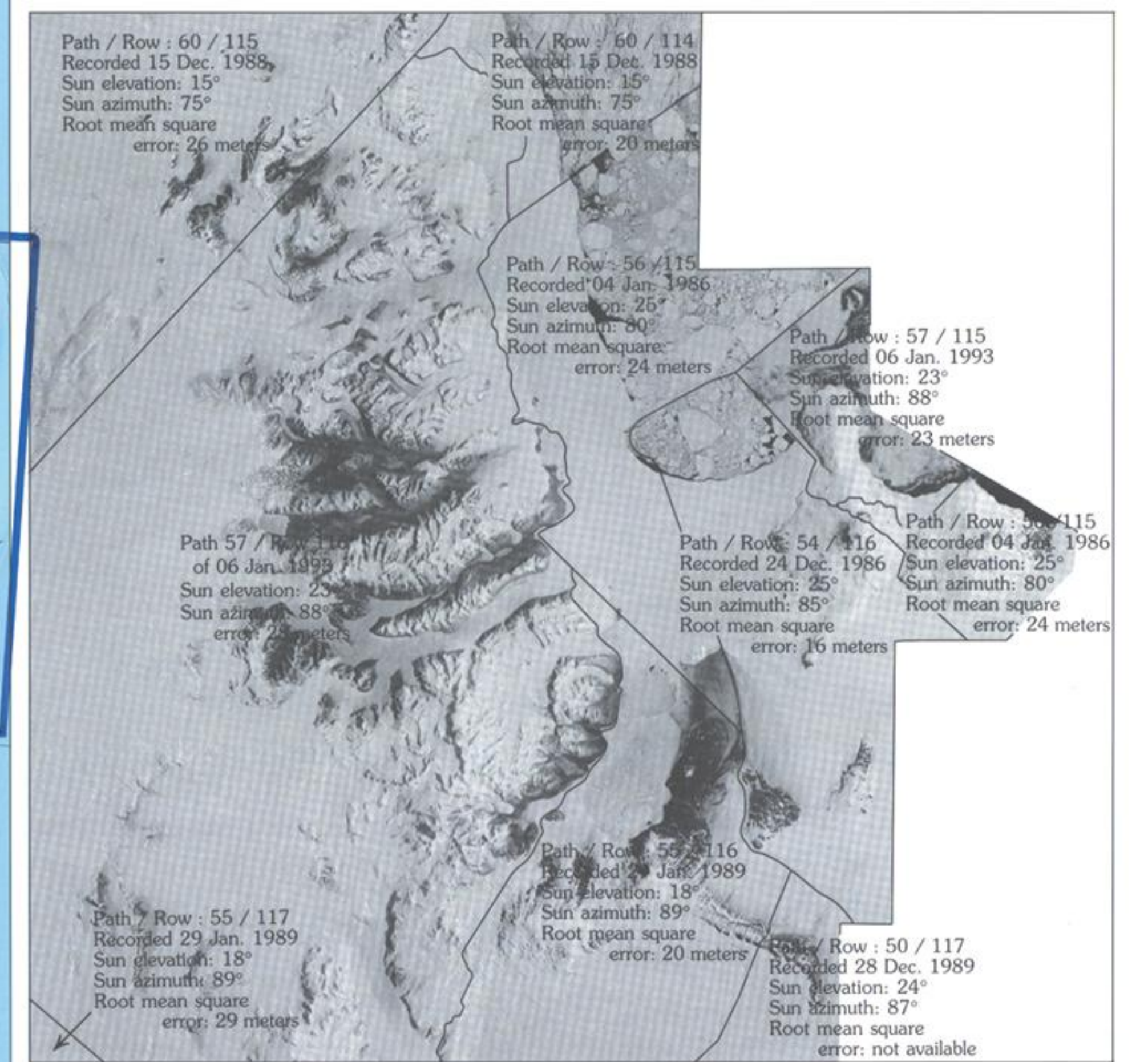
The imagery was controlled using geodetic control points identified on aerial photographs held in the U.S. Antarctic Resource Center and supplemented by the field collection of coordinates for clearly identifiable topographic or geologic features. Satellite platform modeling was used during the georectifications of the satellite data to ensure uniform error distribution through the scenes. The imagery was resampled in 15-meter cells, and the scenes were mosaicked and tone matched. The digital data were then subsampled in 30-meter cells, filtered using an 11x11 adaptive filter to which 85 percent of the unfiltered data were added back, and the resulting image was tone enhanced.

LOCATION DIAGRAM

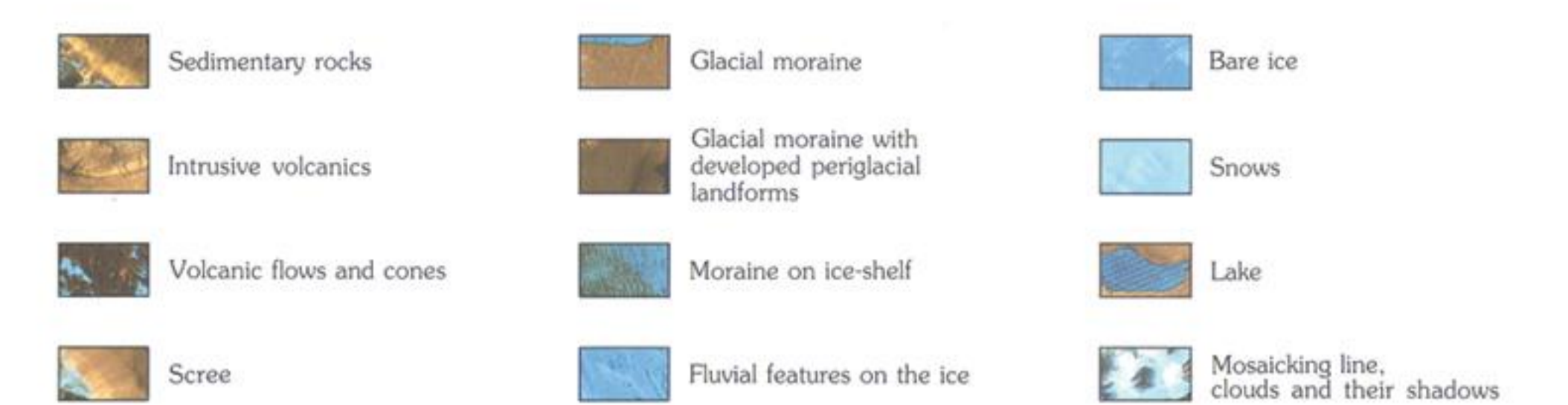


At the image map location, this diagram and the image map are oriented in opposite directions.

SATELLITE IMAGE INDEX



SURFACE COVER INDICATORS



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SOUTH ROSS SEA REGION, ANTARCTICA
SATELLITE IMAGE MAP

