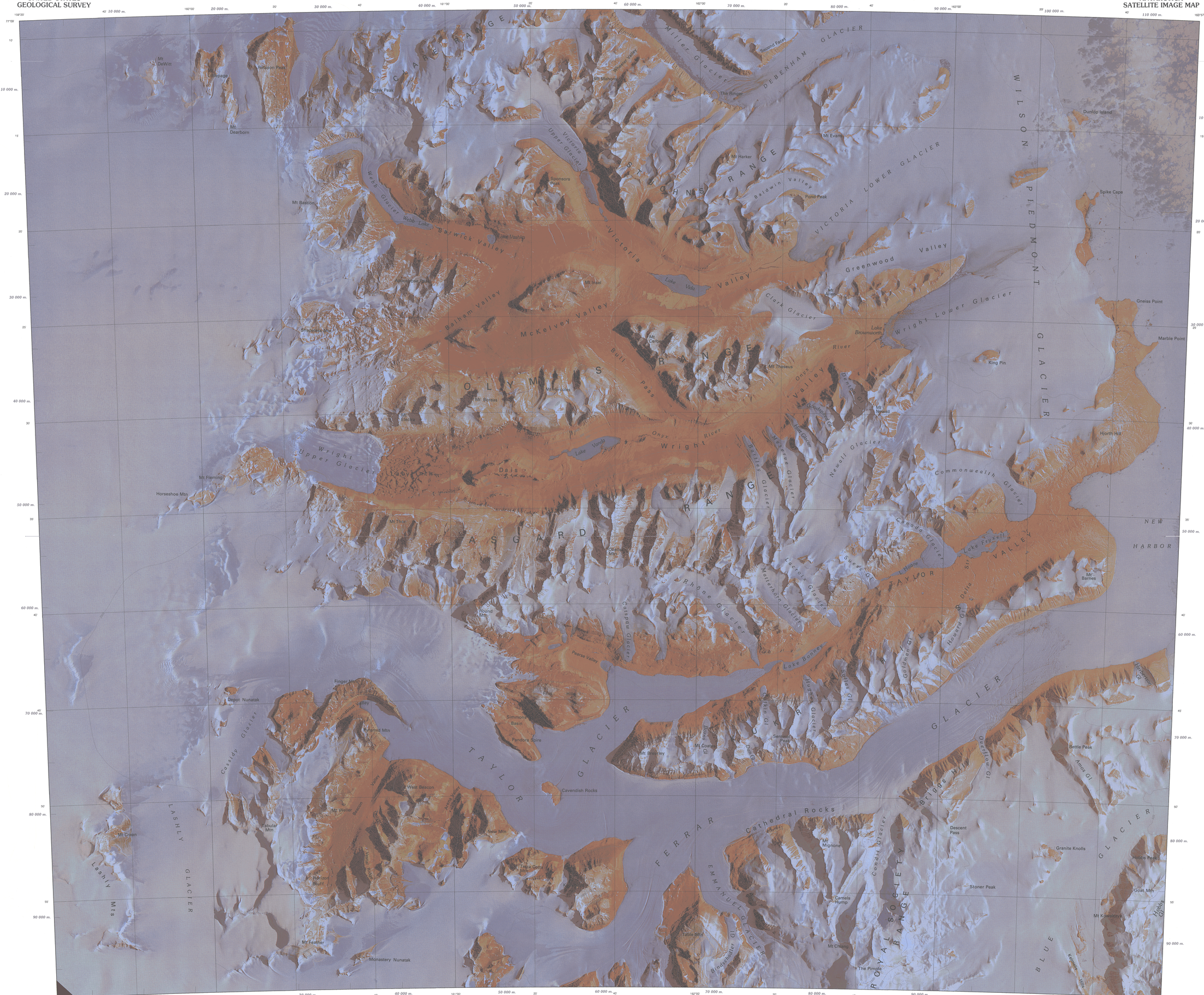
MC MURDO DRY VALLEYS

UNITED STATES
GEOLOGICAL SURVEY

ANTARCTICA
SATELLITE IMAGE MAP



SCALE 1:100 000

DATA EXPLANATION

The image was recorded on January 6, 1993, by the Landsat 4 Thematic Mapper, shifted Path 57, Row 115 scene. The image combines spectral bands:
2 (0.52–0.60 µm, green-yellow) printed in yellow
4 (0.76–0.90 µm, near-infrared) printed in process-red (magenta)
7 (2.08–2.35 µm, middle-infrared) printed in blue (cyan)

The imagery was controlled using geodetic control points from aerial photographs. It was geometrically corrected using the nearest-neighbor resampling algorithm with 15-meter cells and filtered with a 9×9 filter to which 85% of the unfiltered data was added back. The root mean square error in position of topographic features is estimated at 16.5 meters. At the time of the recording, the elevation of the sun was 23° and its azimuth was 86°.

Each picture element (pixel) is 15 × 15 meters. The rectilinear grid ticks along the neatline indicate the distance in meters on the ground of pixels in the geometrically corrected digital data set.

Lambert conformal conic projection
Standard parallels at 76°40'S and 70°20'S
World Geodetic System 1984

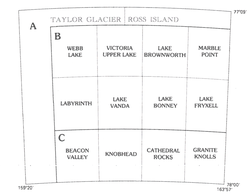
Produced by the United States Geological Survey with support from the National Science Foundation, Interagency Agreement DPP 91-14787.

Technical information related to this image map, and access to the digital data may be obtained from the Branch of International Activities, Mail Stop 515, U.S. Geological Survey National Center, Reston, VA 22092.

LAND SURFACE INDICATORS

- Sedimentary rocks
- Intrusive volcanics
- Glacial moraine
- Glacial moraine with developed periglacial landforms
- Scree
- Bare Ice
- Snows
- Lake
- Shadows

SOURCE OF CONTOURS



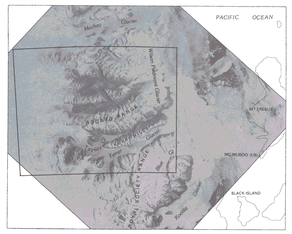
The sources of 500 meter interval contours and 250 meter supplemental contours are:

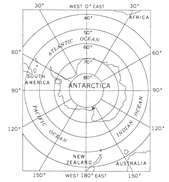
A. U.S. Geological Survey 1:250,000-scale reconnaissance quadrangles, 1965.

B. U.S. Geological Survey 1:50,000-scale topographic quadrangles, 1977.

C. Digital data from the joint U.S. Geological Survey and New Zealand Department of Survey and Land Information 1:50,000-scale topographic quadrangles, 1993.

LOCATION DIAGRAMS





At the image map longitude, the above diagram and the image map are oriented in opposite directions

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INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1995