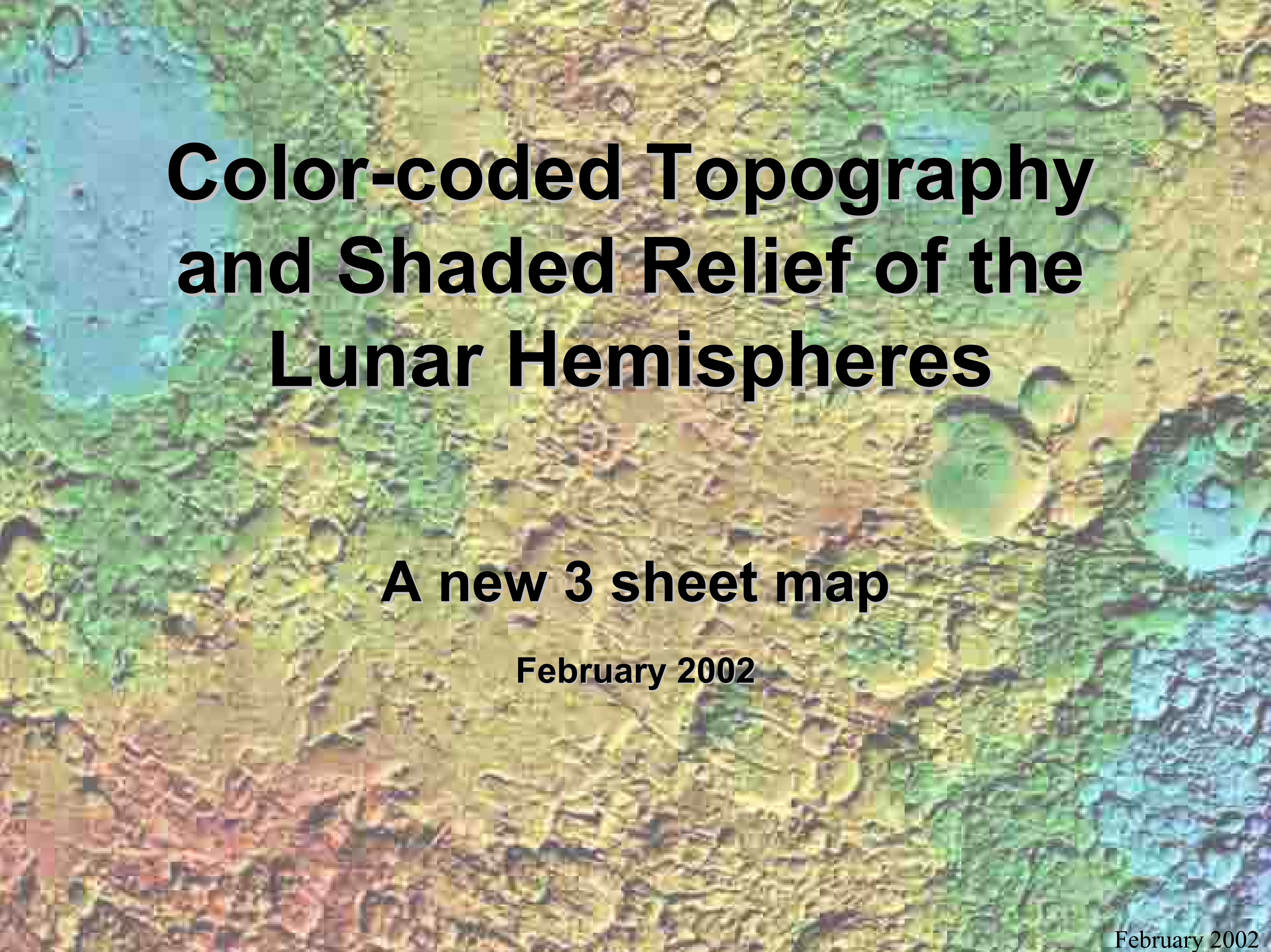
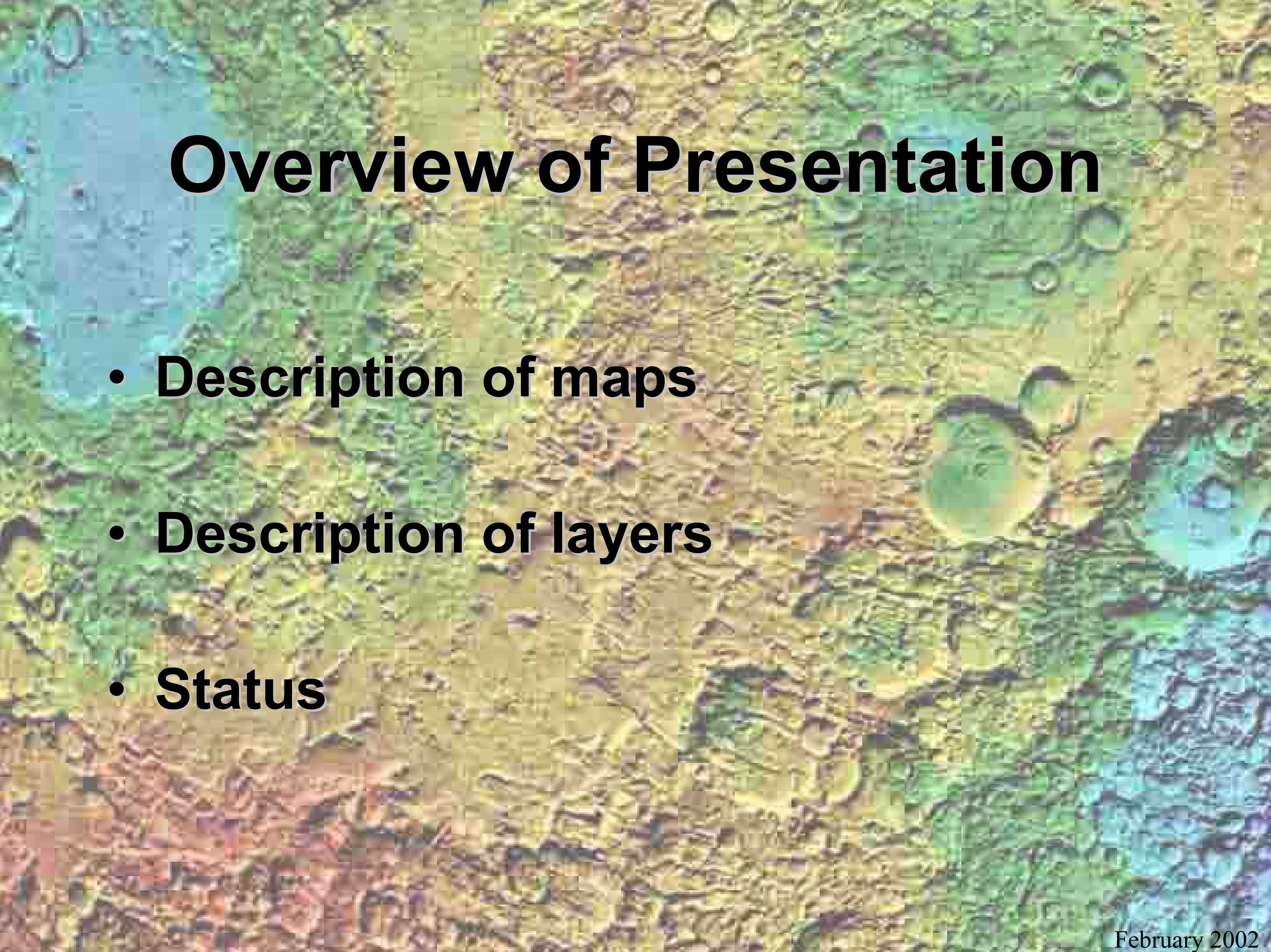


Color-coded Topography and Shaded Relief of the Lunar Hemispheres

A new 3 sheet map

February 2002

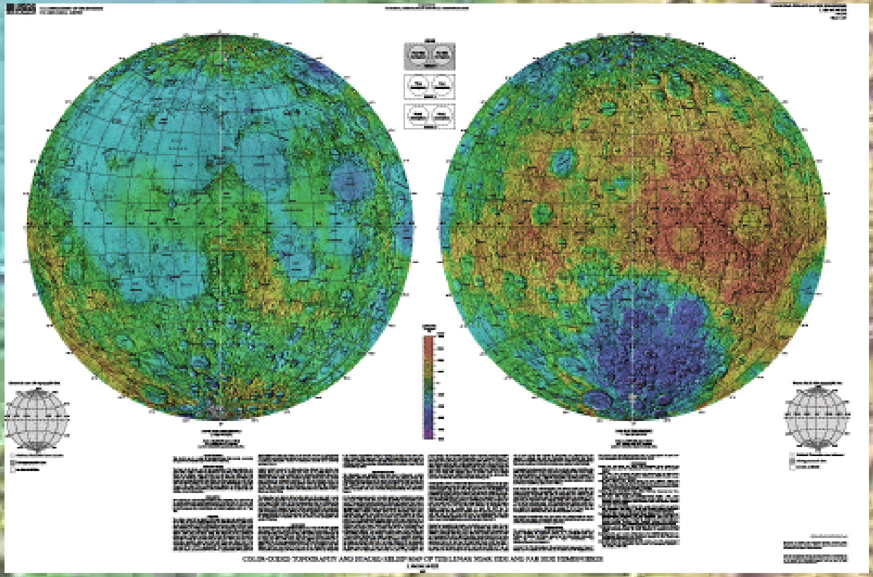


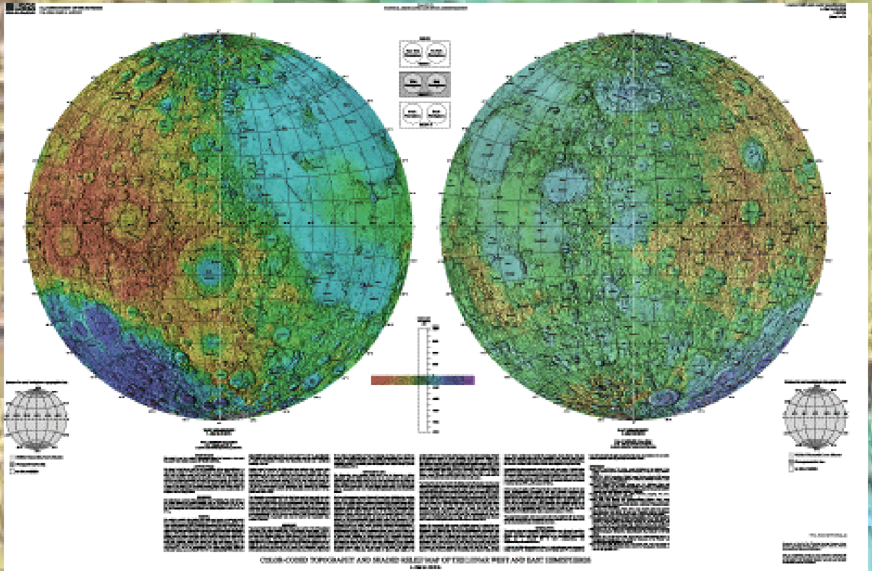
Overview of Presentation

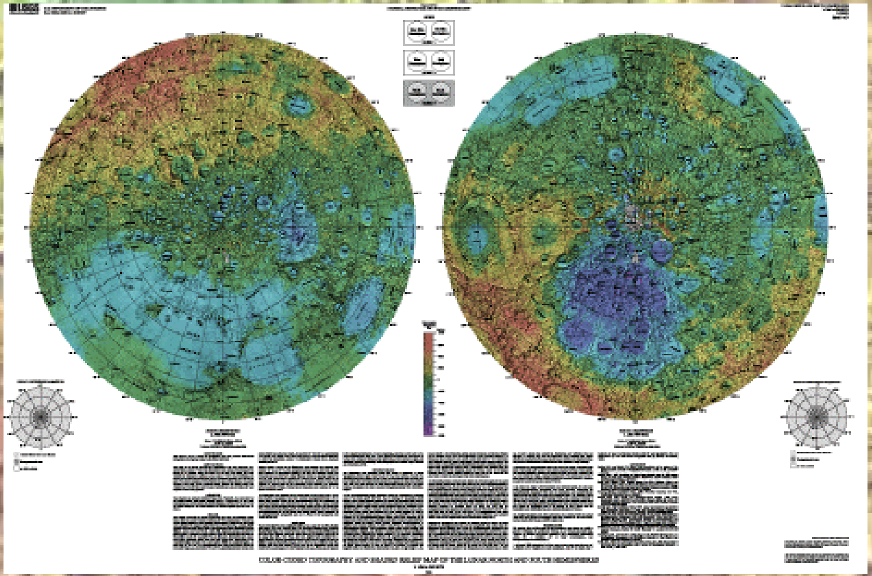
- Description of maps
- Description of layers
- Status

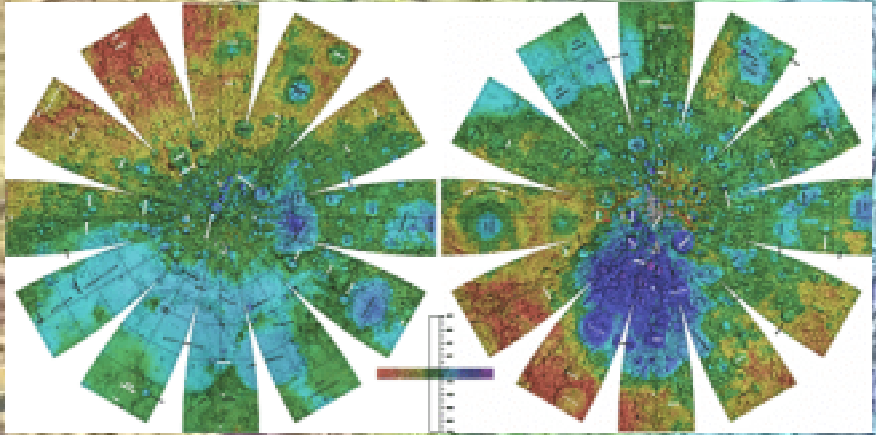
Description of maps

- 3 sheets with 2 hemispheres per sheet
- Set of lunar gores for globes







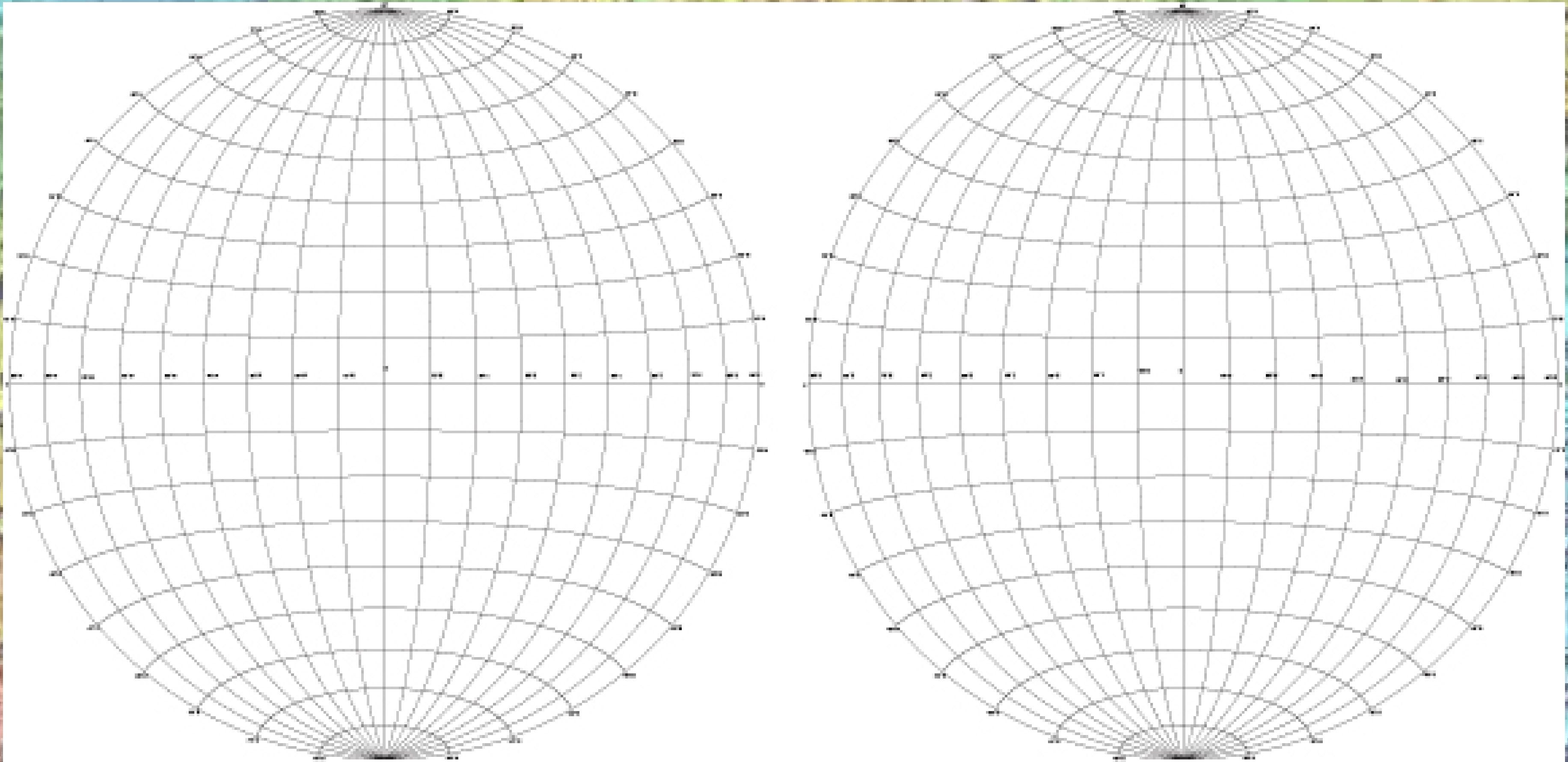


Grid and Coordinates Layers

1 Layer

Bonnie Redding, Mark Rosiek

PICS, Illustrator

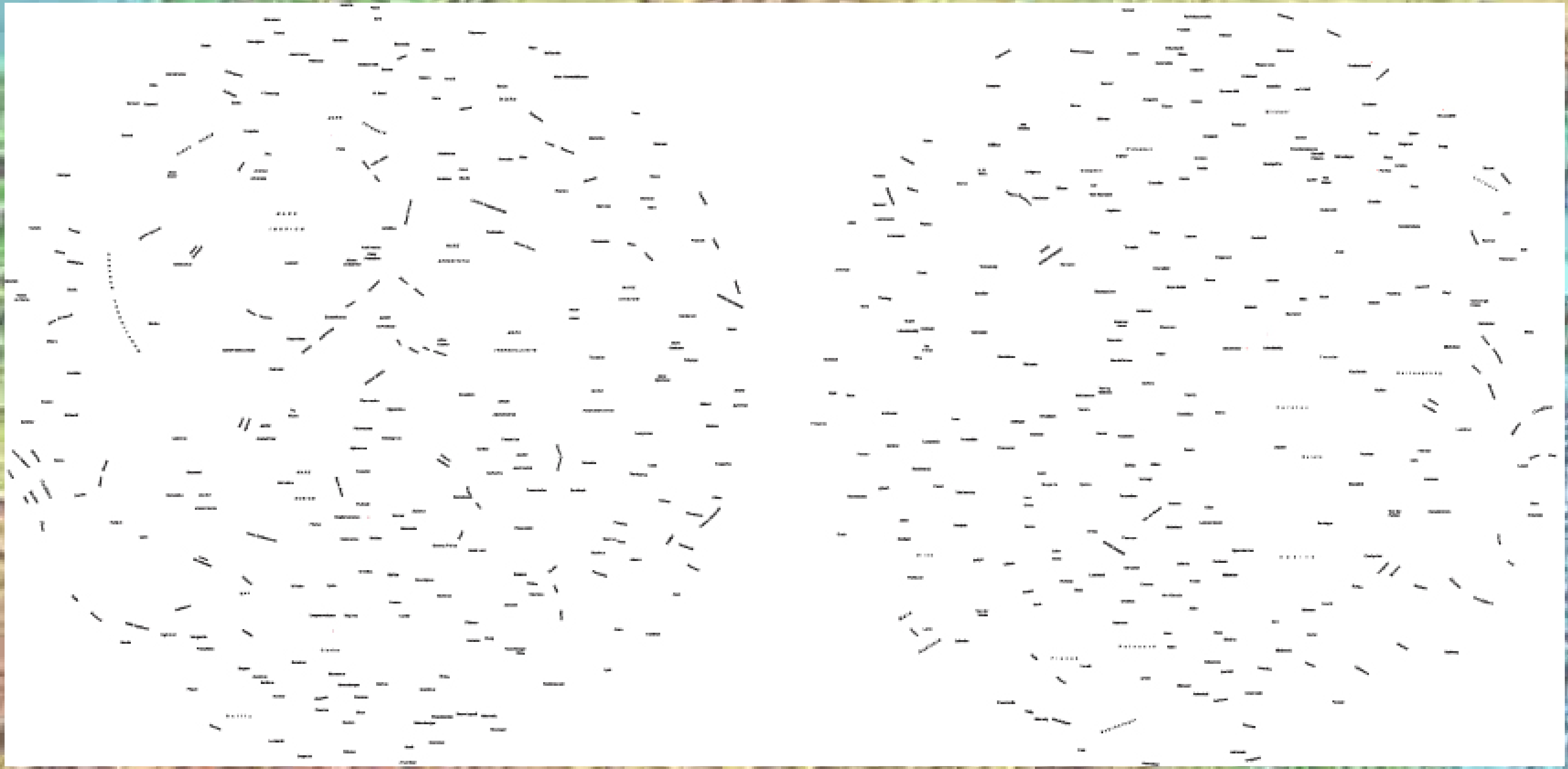


Nomenclature

2 layers – one for each hemisphere

Jennifer Blue

Illustrator Program

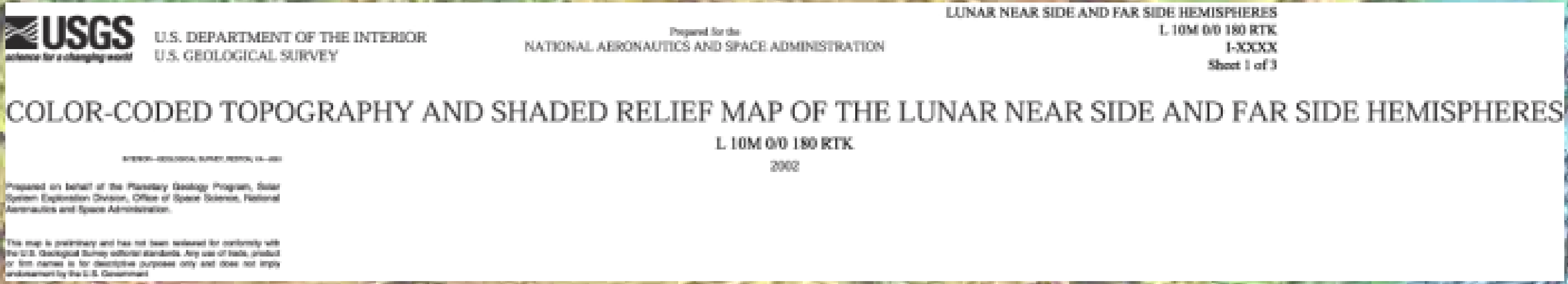


Standard Text

1 Layer

Bonnie Redding

Illustrator



USGS
science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared for the
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

LUNAR NEAR SIDE AND FAR SIDE HEMISPHERES
L 10M 0/0 180 RTK
I-XXXX
Sheet 1 of 3

COLOR-CODED TOPOGRAPHY AND SHADED RELIEF MAP OF THE LUNAR NEAR SIDE AND FAR SIDE HEMISPHERES
L 10M 0/0 180 RTK
2002

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—2002

Prepared on behalf of the Planetary Geology Program, Solar System Exploration Division, Office of Space Science, National Aeronautics and Space Administration.

This map is preliminary and has not been reviewed for conformity with the U.S. Geological Survey editorial standards. Any use of trade, product or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

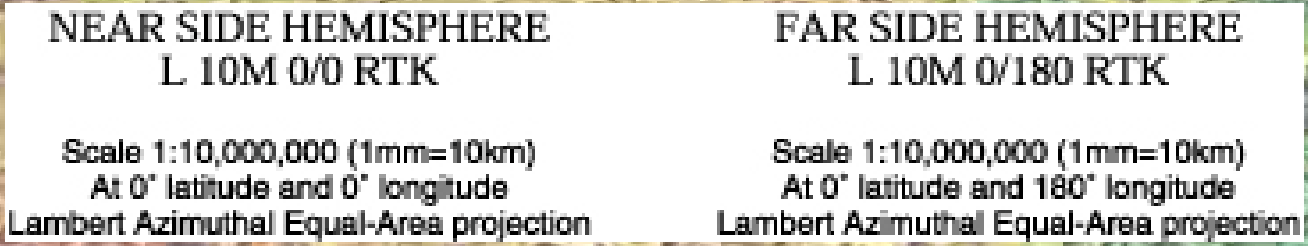
February 2002

Titles

1 layer

Mark Rosiek

Illustrator



NEAR SIDE HEMISPHERE
L 10M 0/0 RTK

Scale 1:10,000,000 (1mm=10km)
At 0° latitude and 0° longitude
Lambert Azimuthal Equal-Area projection

FAR SIDE HEMISPHERE
L 10M 0/180 RTK

Scale 1:10,000,000 (1mm=10km)
At 0° latitude and 180° longitude
Lambert Azimuthal Equal-Area projection

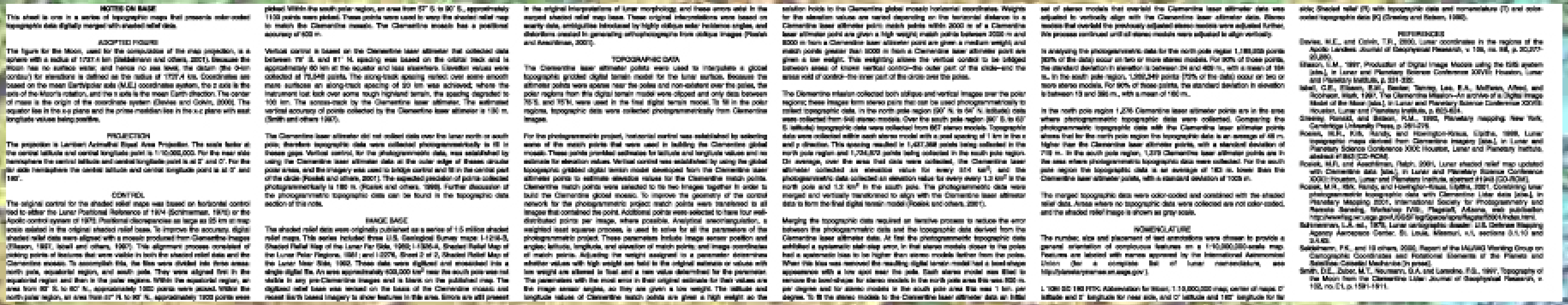
February 2002

Notes on base

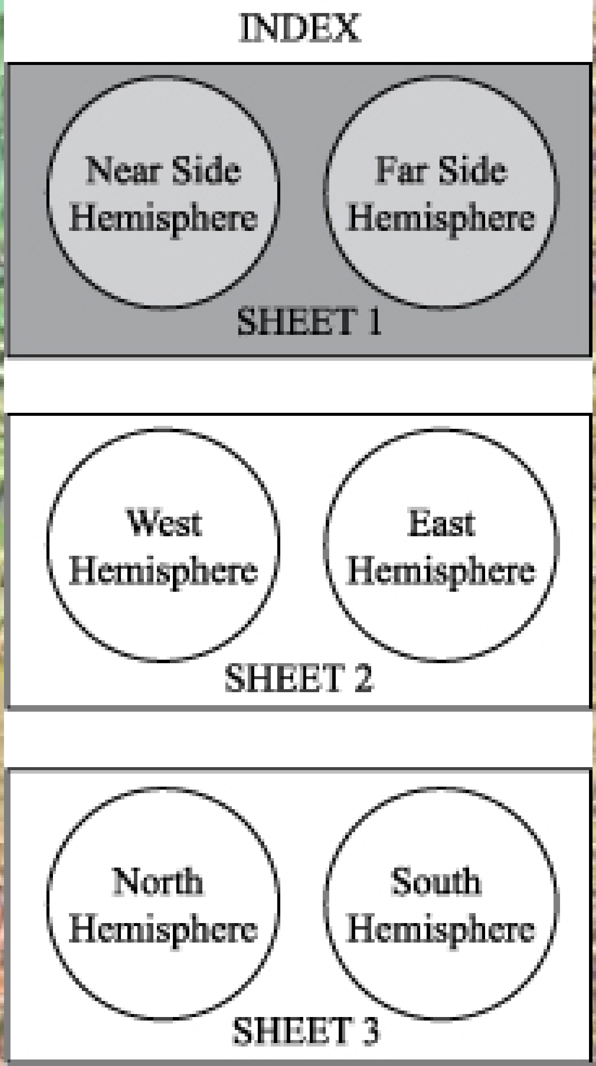
1 layer

Mark Rosiek

Microsoft Word



Index Layer



1 Layer

Mark Rosiek

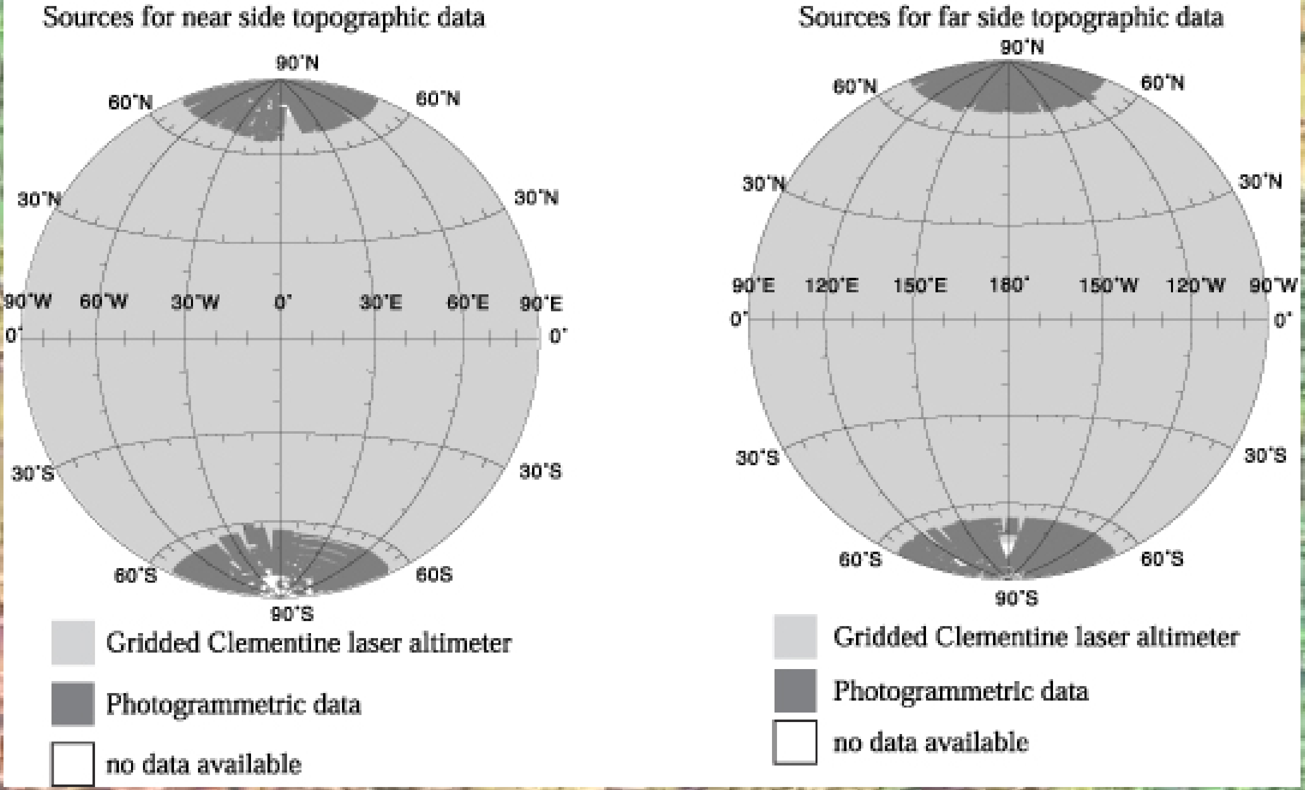
Illustrator

Topographic Data Sources

3 layers – text, grid, and coordinates

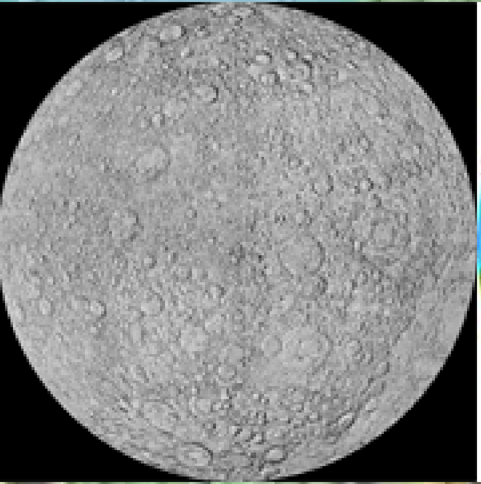
Mark Rosiek

ArcView, Photoshop, Illustrator

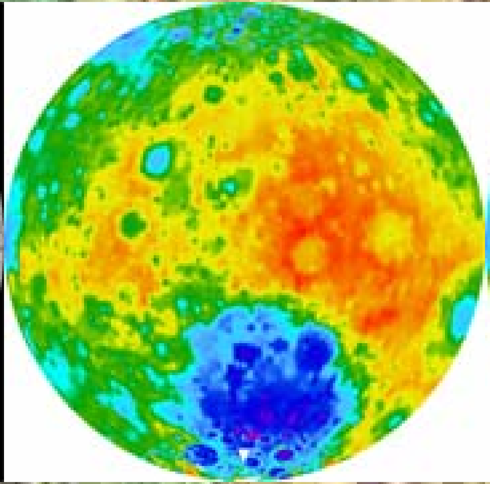

Sources for near side topographic data

Sources for far side topographic data

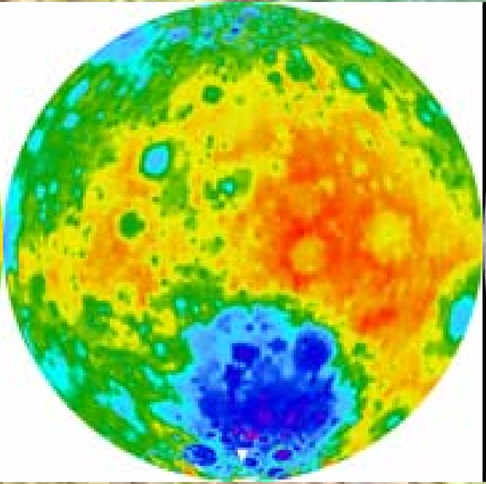
Shaded Relief and Topographic Data



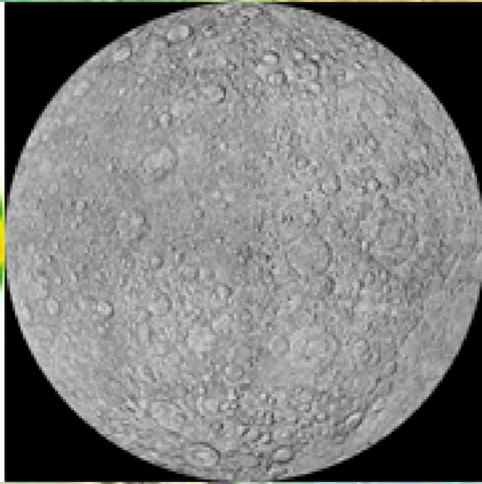
Base



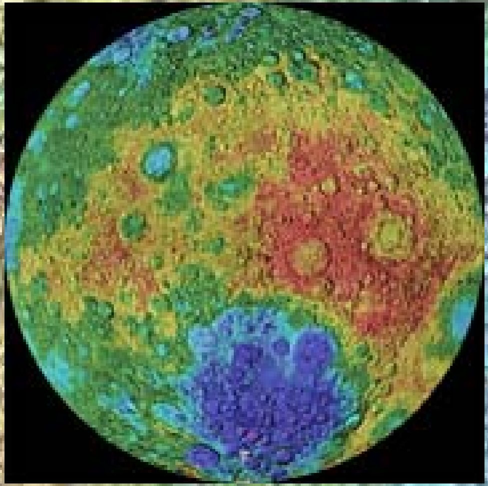
Multiply



Color Burn



Soft Light



1 Layer

Ralph Aeschliman, Ella Lee, Janet Richie, Mark Rosiek, Bonnie Redding, Donna Galuszka, Annie Howington-Kraus, Randy Kirk

Photoshop, Isis, Socet Set, ArcView

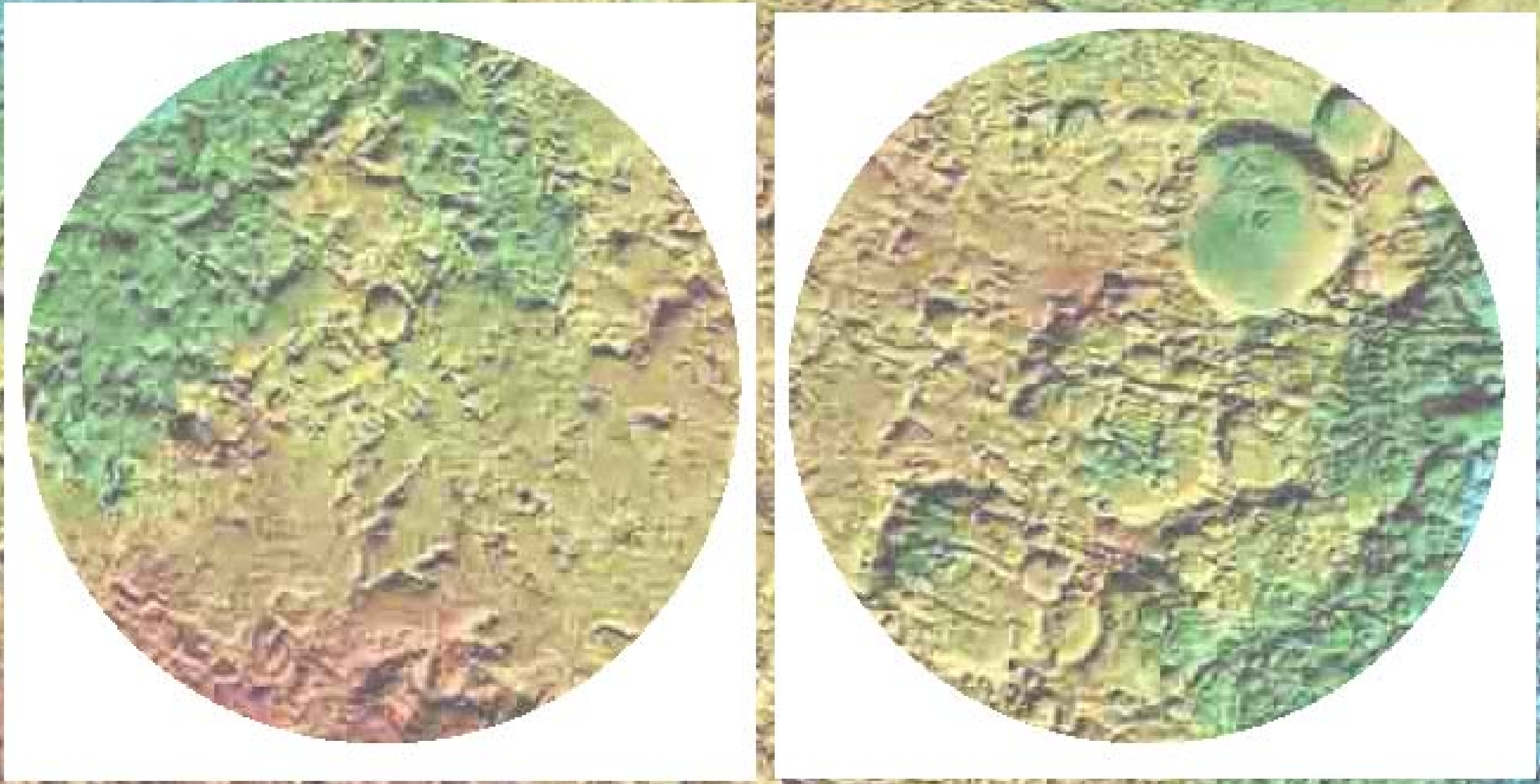
February 2002

Mask Layer

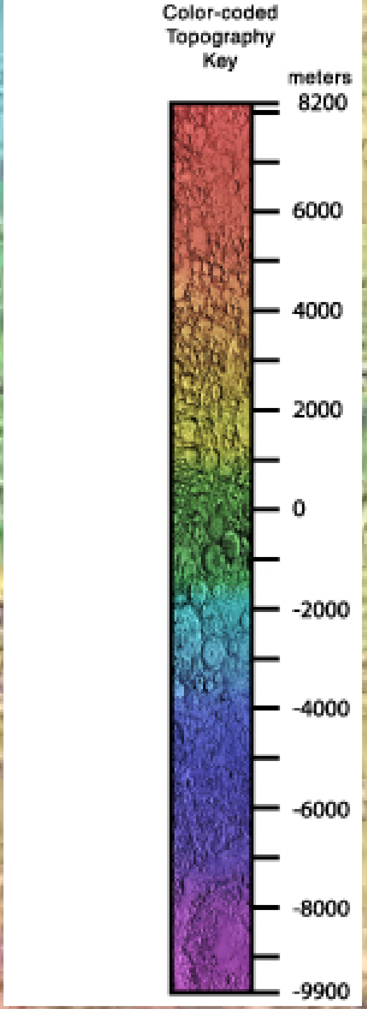
1 Layer

Jenny Blue

Illustrator



Scale Bar



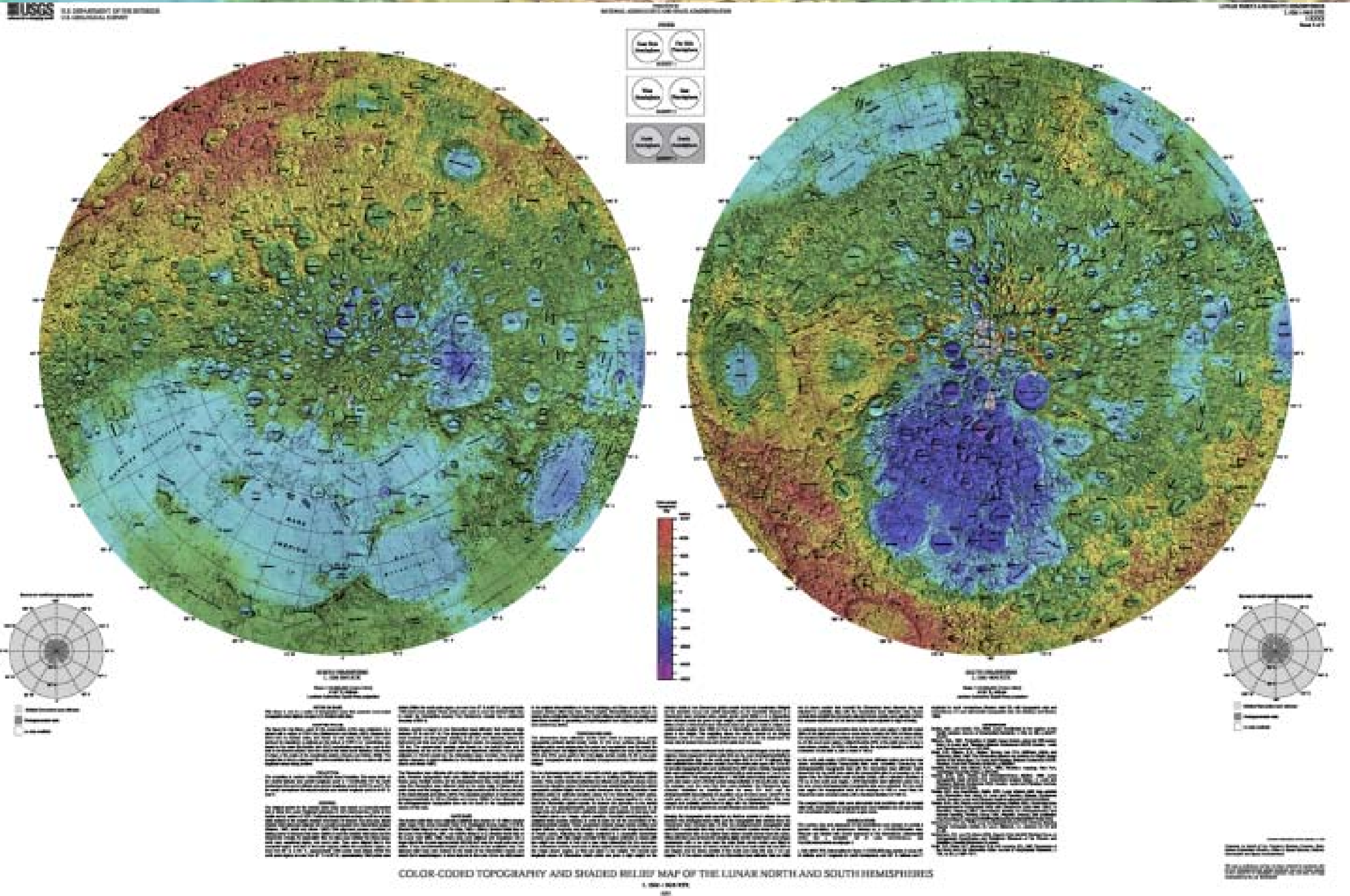
1 layer

Mark Rosiek

Color bar created in ArcView, edited and layered in Photoshop

Text and scale added in Illustrator

Final Map


USGS
COLOR-CODED TOPOGRAPHY AND SHADED RELIEF MAP OF THE LUNAR NORTH AND SOUTH HEMISPHERES

Status

- Out for Review
  - Paul Spudis
  - Lisa Gaddis
- Derrick Hirsch, Technical Editor
- Darlene Ryan, Western Publications Group
- Send Out For Printing