

GALILEO VIEWS OF THE SOUTH POLAR REGION OF THE MOON

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During the December 8-11, 1990 Galileo flyby of the Earth, many images of the Moon were taken by the Solid State Imaging Camera. Of particular interest were those taken as the spacecraft departed from the Earth-Moon system. In going from Lunar Maps 10 to 12 to 16, the sub-solar longitude moved from 85°W to 90°W to 100°W, the resolution went from 3.8 km/pixel to 5.5 km/pixel to 14 km/pixel, and the sub-spacecraft latitude went from -11° to -19° to -21°. Thus, the better views of the south polar regions had the lowest resolution. This region is of particular interest because areas have not been adequately mapped.