Venus 60th Degree and Order Gravity Field With Cycle 5 Magellan Data

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Cycle 5 data collection began on August 6, 1993 when the Magellan spacecraft completed the aerobraking phase. This adjustment in apoapse altitude from 8500 km to 550 km has added substantial information to the gravity field especially in the previously neglected high latitude bands. These results present the latest reductions of the data into a 60th degree and order spherical harmonic gravity field. The determination of the harmonic rms spectrum, correlation with topography, and associated errors will be discussed. The gravity improvement over Ishtar Terra will also be presented.

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