

## Contribution of Satellite tracking data in EGM96S

- Remove each set of data, for calibration:
- Compare the variance of the differences at degree 70 of  $5^\circ \times 5^\circ$  gravity anomalies from the satellite-only geopotential model to independent  $5^\circ \times 5^\circ$  altimeter derived anomalies from the GEOSAT Geodetic Mission ....

The change (increase) reflects the strength of the satellite in the satellite-only geopotential solution. By this criterion, GEOS-3 makes the list of the top five satellites in the EGM96S (satellite-only) geopotential model.

	Anomaly Comparison	Change
Base model, pgs7200:	10.44 mGal <sup>2</sup>	-----
without all EUVE	13.13 mGal <sup>2</sup>	+2.69 mGal <sup>2</sup>
without SPOT-2 & STELLA	11.97 mGal <sup>2</sup>	+1.53 mGal <sup>2</sup>
without GPS/MET	11.39 mGal <sup>2</sup>	+0.95 mGal <sup>2</sup>
without Starlette	11.54 mGal <sup>2</sup>	+1.10 mGal <sup>2</sup>
without GEOS-3	10.99 mGal <sup>2</sup>	+0.55 mGal <sup>2</sup>