

**Contribution of Satellite tracking data in EGM96S  
GEOS-3 SLR vs GEOS-3 SLR+ATS VI**

	<b>Anomaly Comparison</b>	<b>Change</b>
<b>Base model, pgs7270q (NO GEOS-3 data)</b>	<b>10.57 mGal<sup>2</sup></b>	<b>-----</b>
<b>add GEOS-3 SLR only (circa 1980)</b>	<b>9.99 mGal<sup>2</sup></b>	<b>0.58 mGal<sup>2</sup></b>
<b>add GEOS-3 ATS/SLR only (Misc arcs from 1975 to 1979)</b>	<b>10.44 mGal<sup>2</sup></b>	<b>0.13 mGal<sup>2</sup></b>

**CONCLUSION:**

**The GEOS-3 SLR data add considerable strength to the satellite-only solution.**

**This is true even though the “SLR only” data in the solution are from January 1980 through December 1980.**

**Therefore, would not “new” GEOS-3 data from modern SLR tracking systems have stronger sensitivity?**