An Overview of the Gravity Probe B Program

C.W. Francis Everitt and the Gravity Probe B Team

GP-B Posters at the APS:

- L1.00013: The “Core” of the Quasar 3C445.3 as the Extragalactic Reference for the Proper Motion of the Gravity Probe B Guide Star.
- L1.00017: SQUID Control, Temperature Regulation, and Signal Processing Electronics for Gravity Probe B.
- L1.00019: Polhode Motion of the Gravity Probe-B Gyroscopes.
- L1.00021: Gravity Probe B Orbit Determination.
- L1.00023: Achievement of the Magnetic Environment Requirements for Gravity Probe B.
- L1.00025: Gravity Probe B Gyroscope Electrostatic Suspension System (GSS).
- L1.00027: Gravity Probe B Experiment Error.
- L1.00030: The Gravity Probe B Drag-free and Attitude Control System.
- L1.00032: Classical Torques on Gravity Probe B Gyroscopes.

Frame Dragging Precession:

\[ \omega = \frac{3GM}{2c^2R}(R \times v) + \frac{G\mu}{c^2R}(\omega \cdot R) - \omega \]

Guide Star IM Pegasi HR8703