

1984a

“Magnetometer Bias Determination and Spin-Axis Attitude Estimation for the AMPTE Mission” (Engineering Note), R. A. Thompson, G. F. Neal, and M. D. Shuster, *Journal of Guidance, Control and Dynamics*, Vol. 7, No. 4, July–August 1984, pp. 505–507.

This is the only slightly shortened publication of 1981b. I was responsible for the material on spin-axis attitude determination, Thompson and Neal for the material on magnetometer bias determination and the simulations. The approach presented here on magnetometer bias estimation was examined in detail in 2002b. After committing to this work, I later decided to make a more complete presentation of the spin-axis estimation algorithm (1981b and 1983a). One defect of 1981b and 1984a, I learned later, was that the simulations had all been performed for noise-free data. Thus, the convergence results for the magnetometer-bias-determination algorithm was much better than those reported two decades later in 2002b in more realistic simulations.

Superseded 1981b