"Man, Like These Attitudes Are Totally Random! I. Quaternions," M. D. Shuster, Paper AAS 01-125, *11th AAS/AIAA Space Flight Mechanics Meeting*, Santa Barbara, California, February 11–14, 2001; Proceedings: *Advances in the Astronautical Sciences*, Vol. 108, 2001, pp. 383–396.

See the comment to 2000b for a fuller description of this work. The only material in this work not reproduced there are some numerical methods due to Robert Bauer or others. Bauer suggested I include them in 2001a.

Superseded by 2003i.