11. References

Bennett, C.L., *et al.* 1994, "Morphology of the Interstellar Cooling Lines Detected by *COBE*", ApJ*,* **434,** 587.

Bevington, P.R. 1969, *Data Reduction and Error Analysis for the Physical Sciences*, (McGraw-Hill, New York), p. 134.

Chan, F.K. and I.M. O'Neill 1975, "Feasibility Study of a Quadrilateralized Spherical Cube Earth Data Base", *Computer Science Corporation EPRF Tech. Rep.*, p. 2.

Dwek, E., *et al.* 1997, "Detection and Characterization of Cold Interstellar Dust and Polycyclic Aromatic Hydrocarbon Emission, from *COBE* Observations", ApJ*,* **475,** 565.

Fixsen, D.J., *et al.* 1994a, "Cosmic Microwave Background Dipole Spectrum Measured by the *COBE FIRAS* Instrument", ApJ*,* **420,** 445.

Fixsen, D.J., *et al.* 1994b, "Calibration of the *COBE FIRAS* Instrument", ApJ*,* **420,** 457.

Fixsen, D.J., *et al.* 1996, "The Cosmic Microwave Background Spectrum from the Full *COBE FIRAS* Data Set", ApJ*,* **473,** 576.

Fixsen, D.J., *et al.* 1997a, "The Spectrum of the Cosmic Microwave Background Anisotropy from the Combined *COBE FIRAS* and *DMR* Observations", ApJ*,* **486,** 623.

Fixsen, D.J., *et al.* 1997b, "Comparison of the *COBE FIRAS* and *DIRBE* Calibrations", ApJ*,* **490,** December 1, 1997.

Isaacman, R.B., S.M. Read, and W.J. Barnes 1992, "Pattern Matching in *COBE* Spectral Analysis", in *Proc. Astronomical Data Analysis Software and Systems (ADASS) I*, Astron. Soc. Pacific Conference Series 25, ed. D.M. Worrall, C. Biemesderfer, and J. Barnes (ASP, San Francisco), p. 403.

Mather, J.C. 1982, "Bolometer Noise: Nonequilibrium Theory", *Applied Optics,* **21,** 1125.

Mather, J.C. 1984a, "Bolometers: Ultimate Sensitivity, Optimization, and Amplifier Coupling", *Applied Optics,* **23,** 584.

Mather, J.C. 1984b, "Electrical Self-Calibration of Nonideal Bolometers" , *Applied Optics,* **23,** 3181.

Mather, J.C., *et al.* 1990, "A Preliminary Measurement of the Cosmic Microwave Background Spectrum by the Cosmic Background Explorer (*COBE*) Satellite", ApJ*,* **354,** L37.

Mather, J.C., D.J. Fixsen, and R.A. Shafer 1993, "Design for the *COBE* Far Infrared Absolute Spectrophotometer (*FIRAS*)", in *Proc. SPIE*, vol. 2019, pp. 168-179, Conf. on Infrared Spaceborne Remote Sensing, in San Diego, CA, 11-16 July 1993 (SPIE: Bellingham, WA).

Mather, J.C., *et al.* 1994, "Measurement of the Cosmic Microwave Background Spectrum by the *COBE FIRAS* Instrument", ApJ, **420,** 439.

Petuchowski, S.J. and C.L. Bennett 1993, "Galactic Fine Structure Lines: Morphologies of the Warm Ionized Medium", ApJ, **405,** 591.

Polavarapu, P., *et al.* 1997, *Principles and Applications of Polarization Division Interferometry*, (John Wiley & Sons, Ltd., Sussex).

Reach, W.T., *et al.* 1995, "Far-Infrared Spectral Observations of the Galaxy by *COBE*", ApJ, **451,** 188.

Read, S.M., *et al.* 1992, "The *COBE FIRAS* Project Pipeline Software System", in *Proc. Astronomical Data Analysis Software and Systems (ADASS) I*, Astron. Soc. Pacific Conference Series 25, ed. D.M. Worrall, C. Biemesderfer, and J. Barnes (ASP, San Francisco), p. 524.

Shafer, R.A., *et al.* 1997, "The Far Infrared Background as Measured by *COBE FIRAS* I: Limits from Dark Sky Measurements", accepted by *The Astrophysical Journal*.

Wright, E.L., *et al.* 1990, "*COBE* Attitude Refinement", in *AIP Conference Proceedings*, vol. 222, pp. 179-182, Conf. After the First Three Minutes, in Greenbelt, MD, 1990 (American Institute of Physics).

Wright, E.L., *et al.* 1991, "Preliminary Spectral Observations of the Galaxy with a 7° Beam by the Cosmic Background Explorer (*COBE*)", ApJ, **381,** 200.

Wright, E.L., *et al.* 1994, "Interpretation of the *COBE FIRAS* CMBR Spectrum", ApJ, **420,** 450.