

APPENDIX C

REFERENCES

- Anspaugh, B.E., 1991. *Proton and electron damage coefficients for GaAs/Ge solar cells*, Proceedings IEEE, PVSC, Las Vegas.
- Anspaugh, B.E., Downing, R.G., 1984. *Radiation effects in Silicon and Gallium Arsenide solar cells using isotropic and normally incident radiation*, JPL Publication 84-61.
- Auburn, J.H.C., Batten, A.J., McDonald, A.J.C., 1991. *Hipparcos attitude determination with two gyros and a star mapper*, Proc. 3rd International Symp. Spacecraft Flight Dynamics, Darmstadt, Germany, ESA SP-326, 213.
- Batten, A.J., McDonald, A.J.C., 1989. *Hipparcos precise attitude determination: methods and results*, Int. Symp. Space Dynamics, Toulouse, France.
- Beech, M., Brown, P., Jones, J., 1995. *The potential danger to space platforms from meteor storm activity*, Quarterly Journal of the Royal Astronomical Society, 36, 127.
- Bernard, J., Reulet, R., Crabb, R.L., 1984. Proc. 4th European Symp. Photovoltaic Generators in Space, ESA SP-210, 407.
- Blake, J.B., Gussenhoven, M.S., Mullen, E.G., Fillius, R.W., 1992. *Identification of an unexpected space radiation hazard*, IEEE Trans. Nucl. Sci. NS-39, 6, 1761.
- Brautigam, D.H., Gussenhoven, M. S., Mullen E.G., 1992. *Quasi-static model of outer zone electrons*, IEEE Trans. Nucl. Sci. NS-39, 6, 1797.
- Buacher, J., 1967. *Les combinaisons optiques: pratique des calculs*, Editions de la Revue d'Optique Theorique et Instrumentale.
- Cheng, C. *et al.*, 1991. *Improved MOCVD technology in high-throughput high-efficiency GaAs/Ge solar cell manufacture*, Proceedings IEEE, PVSC, Las Vegas.
- Crabb, R.L., 1994. *Solar cell radiation damage*, Radiat. Phys. Chem. 43, 93-103.
- Crabb, R.L., Robben, A.P., 1993. *In-flight Hipparcos solar array performance degradation after three and a half years in GTO*, Proc. European Space Power Conference, Graz, ESTEC/XPG-WPP-054.
- Cr ez e, M., Chareton, M., 1991. *Accuracy uniformity of Hipparcos parallaxes and proper motions: strategy and current status*, Highlights of Astronomy, Vol 9, Bergeron J. (ed).
- Daly, E.J., *et al.*, 1994. *Radiation-belt and transient solar-magnetospheric effects on Hipparcos radiation background*, IEEE Trans. Nucl. Sci. NS-41, 6, 2376.
- Davies, P.E., McDonald, A.J.C., 1991. *Results of the Hipparcos In-Orbit Payload Calibration*, Journal of the British Interplanetary Society, 44, 37.
- Feynman, J., Armstrong, T.P., Dao-Gibner, L., Silverman, S., 1992. *New interplanetary proton and fluence model*, J. Spacecraft, 27, 403.

- Gussenhoven, M.S., Mullen, E.G., Sperry, M., Kerns, K.J., Blake, J.B., 1992. *The effect of the March 1991 storm on accumulated dose from selected satellite orbits: CRRES dose models*, IEEE Trans. Nucl. Sci. NS-39, 6, 1765.
- Gussenhoven, M.S., Mullen, E.G., Violet, M.D., 1994. *Solar particle events as seen on CRRES*, Adv. Space Res., 14, (10)619.
- Howell, L.W., Kennel, H.F., 1984. *A stochastic model for photon noise induced by charged particles in multiplier phototubes of the Space Telescope Fine Guidance Sensors*, NASA TP-2337.
- Høg, E. *et al.*, 1992. *Tycho data analysis: overview of adopted reduction software and first results*, Astron. Astrophys., 258, 177.
- Lindgren, L. *et al.*, 1992. *Geometrical stability and evolution of the Hipparcos telescope*, Astron. Astrophys., 258, 35.
- McDonnell, J.A.M., 1978. *Cosmic Dust*, John Wiley & Sons.
- Mullen, E.G., Gussenhoven, M.S., Ray, K., Violet, M., 1991. *A double-peaked inner radiation belt: Cause and Effect as Seen on CRRES*, IEEE Trans. Nucl. Sci. NS-38, 6, 1713.
- Naumann, R.J., 1966. *The near-Earth meteoroid environment*, NASA TN D-3717.
- Nieminen, P.J., 1995. *Standard radiation environment monitor detector design and simulations*, ESTEC Working Paper 1829.
- Olsen, W.P., Pfitzer, K.A., 1974. *A quantitative model of the magnetospheric magnetic field*, J. Geophys. Res., 79, 3739.
- Rädlein, E., 1991. *Simulation der Wechselwirkung von Weltraumstrahlung mit Glas und Glaskeramik*, Dissertation zur Erlangung des Grades eines Doktor (publication in English issued from the Conference of Physics of Non-Crystalline Solids, 4–9 August 1991, Cambridge).
- Ray, K.P., Mullen, E.G., Trumble, T.M., 1993. *Results from the high-efficiency solar panel experiment flown on CRRES, (Phillips Laboratory USAF)*, IEEE Trans. Nucl. Science, 40, 6, 1505.
- Sauer, H.H., 1987. *A personal computer-based GOES data archive*, NOAA Technical Memorandum ERL-SEL-74.
- Sawyer, D.M., Vette, J.I., 1976. *AP-8 trapped proton environment for solar maximum and solar minimum*, NSSDC 76-06.
- Soo, D., Schuyer, M., 1994. *Preparing for the Future*, ESA Publication, Vol. 4, No. 2.
- Tada, J., *et al.*, 1982. In *Solar Cell Radiation Handbook, 3rd Edition*, NASA JPL Publication 82-69 and Addendum 1 JPL Publication 82-69.
- Tranquille, C., Daly, E.J., 1992. *An evaluation of solar proton event models for ESA missions*, ESTEC Working Paper 1647.
- Vette, J.I., 1989. *Trapped radiation models: development of improved models of the Earth's radiation environment*, Technical Note 1, Chapter 4.
- Vette, J.I., 1991. *The AE8 trapped electron model environment*, NSSDC Report 91-24, NASA/GSFC.
- Viehmann, W., Eubanks, A.G., 1976. *Noise limitations in multiplier phototubes in the radiation environment of space*, NASA TN-8147.