

Charged Particle Telescope (CPT)

Phase-A Study

ESTEC/Contract No. 13997/99/NL/PB

Technical Data Package

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FOREWORD

This Technical Data Package contains the final versions of all technical documents prepared by Aboa Space Research Oy during the project "Charged Particle Telescope (CPT) Phase-A Study" under the contract ESTEC/Contract No 13997/99/NL/PB.

The following documents are included:

Vainio, R. and Valtonen E., "CPT User Requirements Document", ASRO/CPT/WP1000-URD, Issue 1, February 10, 2000.

Valtonen, E. and Vainio, R., "CPT Strategy and Mission Review Document", ASRO/CPT/WP2000-SMRD, Issue 1, February 22, 2000.

Valtonen, E., Eronen, T., and Peltonen, J., "CPT Technology Review Report", ASRO/CPT/WP3000-TRR, Issue 1, March 7, 2000.

Valtonen, E., Peltonen, J., and Vainio, R., "Basic Architectural Design of CPT: The Sensor System", ASRO/CPT/WP4100-TN, Issue 1, May 17, 2000.

Peltonen, J., Eronen, T., and Valtonen, E., "Basic Architectural Design of CPT: Analog and Digital Electronics", ASRO/CPT/WP4200-TN, Issue 1, June 21, 2000.

Valtonen, E. "Basic Architectural design of CPT: Mechanical Design", ASRO/CPT/WP4300-TN, Issue 1, June 16, 2000.

Valtonen, E. "CPT Basic Hardware and Software Components: Detectors", ASRO/CPT/WP5000-DET, Issue 1, July 28, 2000.

Eronen, T., Peltonen, J., Riihonen, E., and Vainio, R., "CPT Basic Hardware and Software Components: Electronics and Software", ASRO/CPT/WP5000-ELE, Issue 1, September 12, 2000.

Kuusela, J. "Simulation Plan for CPT", ASRO/CPT/ WP6100-TN, Issue 1, July 24, 2000.

Valtonen, E. "CPT Calibration Guidelines", ASRO/CPT/ WP6200-TN, Issue 1, July 6, 2000.

Riihonen, E. and Vainio, R., "CPT On-ground Data Analysis Requirements", ASRO/CPT/WP7000-TN, Issue 1, August 2, 2000.

Valtonen, E. and Eronen, T., "CPT Spacecraft Resources Requirements", ASRO/CPT/WP8000-TN, Issue 1, November 1, 2000.

Valtonen, E. and Eronen, T., "CPT Ground Segment Requirements", ASRO/CPT/WP9000-TN, Issue 1, September 22, 2000.

Valtonen, E., "CPT Requirements Specification Document", ASRO/CPT/WP10000-RSD, Issue 1, November 9, 2000.