



SpaceLab Kiruna – New facilities for space instrumentation testing and development in Europe

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Development, testing and calibration of new technologies and sensors for space missions requires accessibility of the appropriate high quality testing facilities. Additionally to the SpaceLab facilities that exist at the Swedish Institute of Space Physics (IRF) in Kiruna, Sweden, a new test centre is in the planning phase. The projected facilities include mechanical and electrical testing, a radiation facility, a calibration facility (ion and neutral beam), solar balance testing and various smaller facilities, e.g., outgassing tests, Lyman- α , CEM/MCP lifetime tests and others. Furthermore, a large facility for atmospheric testing of experiments for sounding rockets and balloons is considered. We will present the planned infrastructures and the correlated services, the preliminary technical specifications of the facilities as well as accessibility and utilisation of SpaceLab Kiruna for international teams.