

EarthCare – PF/PL architecture and interfaces

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The EarthCARE Mission is the third Earth Explorer Core Mission and is implemented in collaboration with Japanese Aerospace Exploration Agency (JAXA) who will provide one of the core Instruments. EarthCARE has been specifically defined with the basic objective of improving the understanding of cloud-aerosol-radiation interactions so as to include them correctly and reliably in climate and numerical weather prediction models.

The EarthCARE payload consists of four instruments, each of them with a dedicated Instrument Control Unit (ICU). The presentation will briefly introduce the EarthCARE mission followed by an overview of the S/C architecture and the Platform/Payload Interfaces. Some feedback from the development and integration phase will also be provided.