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Daiquiri - Python based framework for the publication of astrophysical data

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Over the years, the AIP has developed significant expertise in long-term operation and the curation of astronomical data archives. This experience is a major reason why the AIP is now one of the partner data centers for the ESA Gaia mission. The institute publishes not only its own telescope observations but also data from various international missions in which the AIP is involved. The range of data is huge, spanning from digitized photographic plates to spectroscopic and photometric data, solar data, to pure cosmological simulation data. This diversity is made possible by Daiquiri, a web-based platform developed at the institute. It supports standardized protocols from the International Virtual Observatory Alliance (IVOA) for data access and is available as open-source under the Apache2 license. Daiquiri was specifically developed to enable data providers to easily publish tabular data and associated files. The framework supports the VO TAP access protocol for scripted access, a web SQL query form and VOTables upload, as well as download in FITS, Apache Parquet and VOTable file format, all of which are available straight away. Daiquiri also enables public and restricted data access, as well as user management and project documentation.

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Classification de Session: Welcome and Logistics