Introduction of Calibration Selection via the ESO Science Archive Facility and Discontinuation of PI Packages

CalSelector is a new archive service that, starting from the results of a query for raw science files, groups together the raw science files that need to be calibrated together (e.g., an infrared jitter sequence) and associates and returns all the raw and static calibrations needed to process the raw science files. Excerpts from the relevant night logs and an XML representation of the calibration cascade are also added as ancillary files to the request. The set of raw and static calibrations needed to process the raw science files is defined by the calibration plan of the instrument and instrument mode. The calibration plans are distributed as part of the instrument documentation[1].

Only Paranal instruments are supported for this first release. The associations of calibration files with raw science files become available only after the calibrations are certified for quality. This typically takes of the order of two working days. An upcoming release of the tool is foreseen to allow the association of uncertified calibrations, with essentially no delay with respect to the data acquisition. The tool currently provides associations for all data acquired since June 2009. For some instruments the coverage extends back to 2008. We are currently working to extend the coverage as far back in the past as possible.

More information and instructions on CalSelector are available on the Science Archive web pages[2].

With the deployment of the CalSelector service, the generation of PI Packs (the collection of raw science and calibration files, master calibrations and some science products associated with a PI proposal) is discontinued as of 4 November 2011. PI Packs created before that date will remain available online[3] but will no longer be updated. PI Packs created between 1 October and 4 November 2011 will only contain raw data.

Links

[1] Instrument calibration plans available as: http://www.eso.org/sci/facilities/paranal/instruments/instrumentName/doc e.g., for HAWK-I: http://www.eso.org/sci/facilities/paranal/instruments/hawki/doc
[2] Information and use of CalSelector: http://www.eso.org/sci/archive/calselectorInfo.html
[3] Existing PI Packs available at: http://dataportal.eso.org/rh/pipacks

Announcement of the Joint ESO/IAG/USP Workshop

Circumstellar Dynamics at High Resolution

27 February – 2 March, 2012, Rafain Hotel and Convention Center, Foz do Iguaçu, Brazil

The dynamics of circumstellar (CS) envelopes is an active research frontier that has benefited greatly from the advent of high-resolution observational techniques in the spectral, spatial and temporal domains. The observational discoveries and theoretical results emerging from this field have broad implications for many astrophysical topics, ranging from cosmology (via a better understanding of the progenitors of gamma-ray bursts, for instance), to star and planet formation (through a better description of CS disc dynamics in which viscosity plays a key role). The diverse and complex CS environments revealed by these observational techniques are particularly evident near hot high-mass stars, where stellar radiation plays a large, if not crucial role, in continuously shaping the immediate environment.

This workshop aims at bringing together the active community of hot stellar astrophysics, both theoreticians and observers, addressing the common topic of what can be learned from high resolution observations. Oral sessions during the meeting will be devoted to: theory and observations of CS discs and outflows; delta Sco and Be stars as laboratories for CS disc physics; dynamics of CS material and tidal interactions in hot binaries; massive star formation out of a dynamic environment; and magnetospheres of hot stars.

The scientific organising committee is composed of: A. C. Carciofi (São Paulo, co-chair), D. Baade (ESO), J. E. Bjorkman (Toledo, USA), A. Damineli (São Paulo), W. Dent (ALMA), A. Domiciano de Souza (Nice), Th. Rivinius (ESO, co-chair), S. Stefl (ESO), J. Vink (Armagh) and G. Wade (Ontario).

The registration deadline is 13 January 2012.

Further details are available at: http://www.eso.org/sci/meetings/2012/csdyn or by email to: csdyninfo@eso.org