CDS program
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Lecture:

- An introduction to CDS: overview of the instrument
- Where to find information / contacts
- How to request CDS observations
- How to find CDS data.
- Instrument performance and data features.
  Pipeline processing: data analysis and calibration.

- Diagnostic techniques for obtaining Te, Ne, EM, Abundances
- Atomic data and databases available
- What techniques and atomic data can you trust ?
- CHIANTI data and software

Hands-on session:

19th June 1998 - Explosive Events dataset

-Quick-look at the CDS/NIS dataset / selection of CDS rasters that contain transition region brightenings.

-Data processing: debias, flat-field, burn-in, cosmic rays removal;   multiple gaussian fitting of the NIS windows and extraction of line intensities and velocities for the entire rasters.

-Create CDS image maps.
 Read near-simultaneous MDI and TRACE images, and create image maps. Do overlays between CDS, TRACE,MDI.

-Select brightenings, and obtain line intensities.

-Obtain temperatures, emission measures,
 densities using the CHIANTI SSW software.