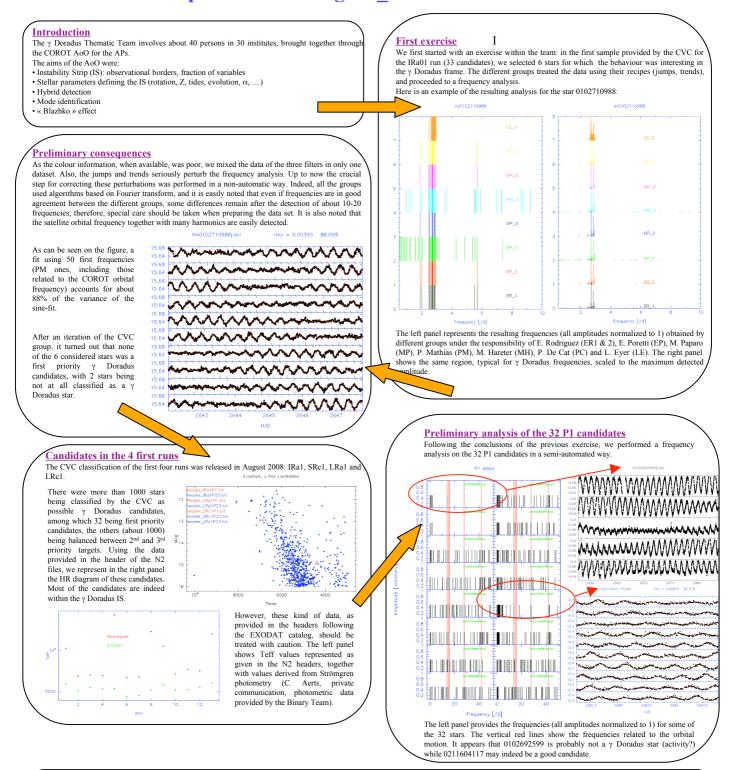
γ Doradus stars in the exoplanets fields: first inspection γ Doradus Thematic Team

http://www.oca.eu/gdor corot/index.html



Prospectives

In order to manage such an enormous amount of data, it is essential to develop an automated procedure to take care of the flags (some "0" flags correspond to incorrect data, and vice-versa), the trends, outliers, and, very tricky, the jumps.

However, a fundamental problem is to be sure that the star is indeed a γ Doradus star: the frequency spectrum itself does not seem enough to conclude γ Doradus membership (the confusion with SPB stars is obvious). We are part of the proposal by C. Neiner concerning the classification of stars using ESO's FLAMES instrument, using spectroscopic methods. In addition, such measurements are fundamental for modelling of the corresponding instability strip: see poster by A. Miglio et al.

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