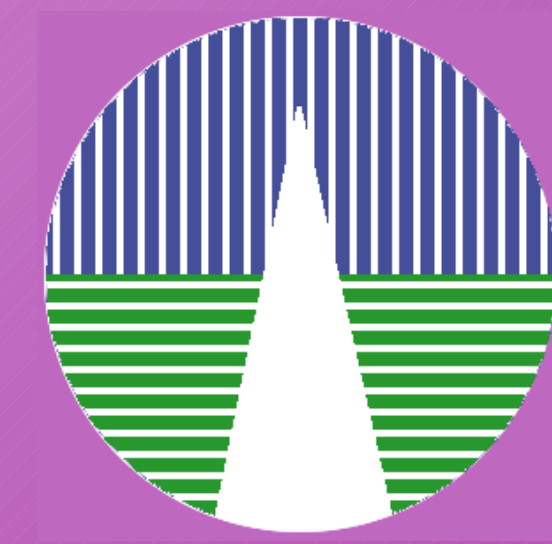




VOTA: A VO Tool for Asteroseismology.

C. Rodrigo^{1,2}, E. Solano^{1,2}, J.C. Suárez³, A. Moya¹, A. Hernández³

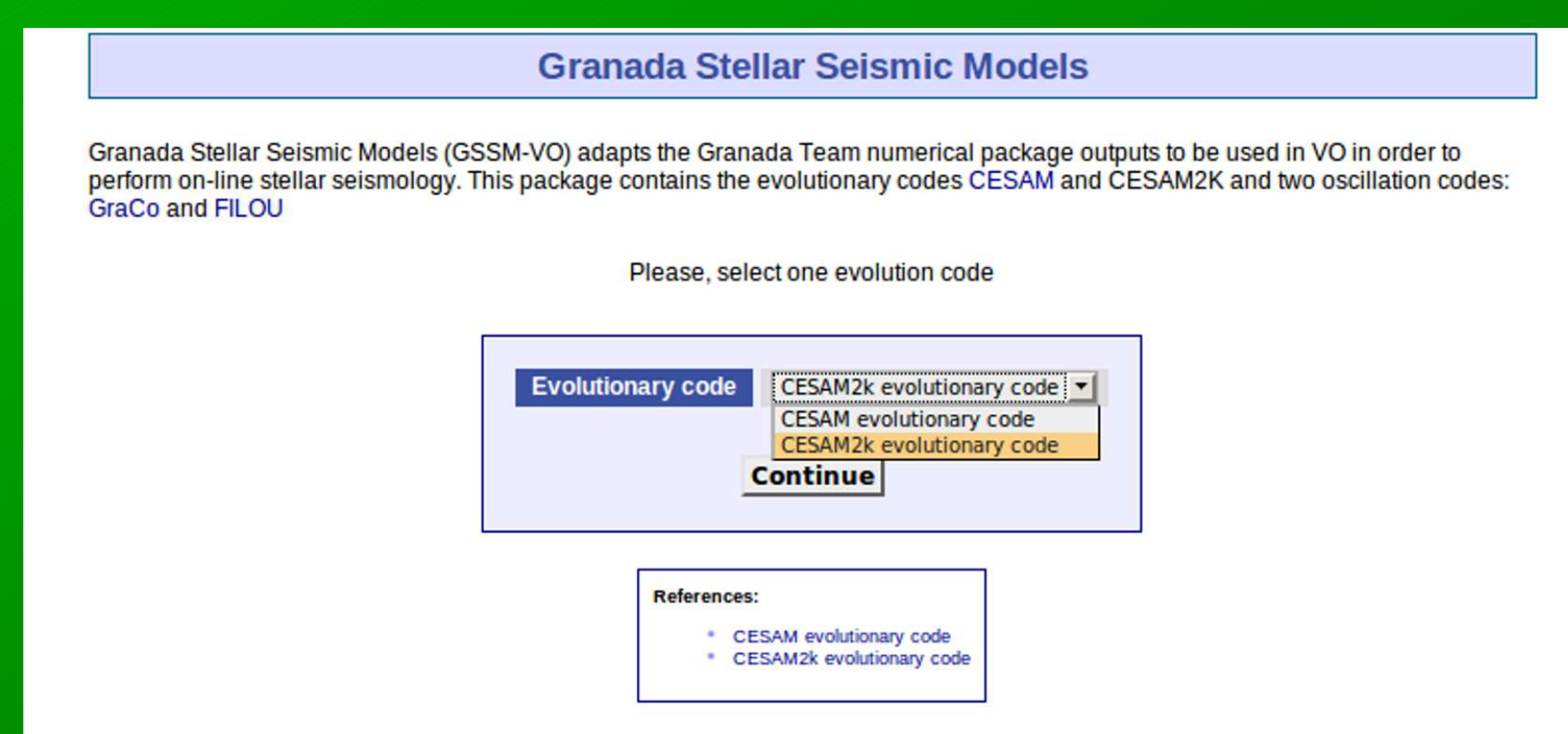
¹CAB, INTA-CSIC
²Spanish Virtual Observatory
³Instituto de Astrofísica de Andalucía



Abstract

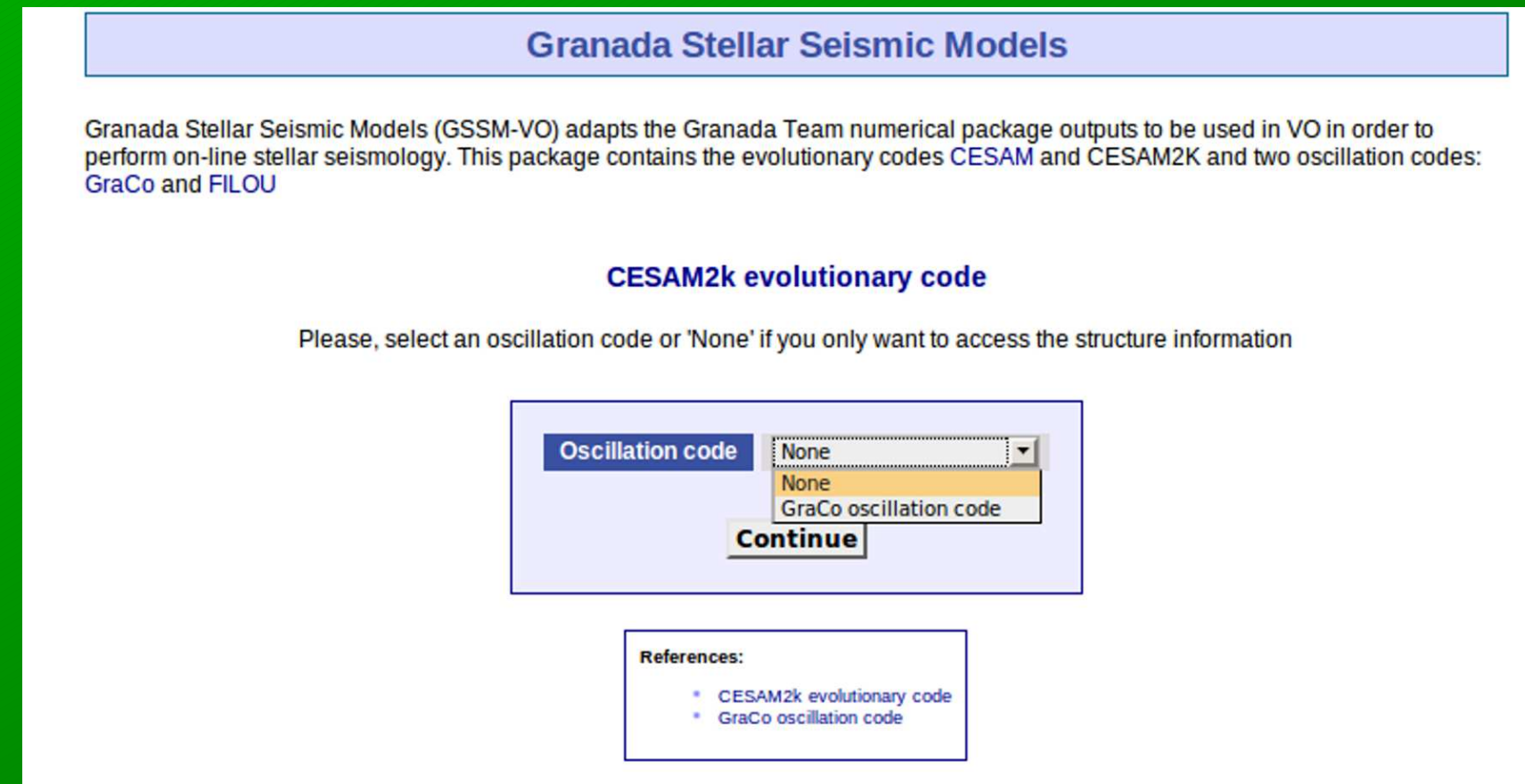
In the last years we have witnessed a dramatic change in the research infrastructures: Advances in communication networks, computational resources and data storage devices are fostering new and more efficient science. In this new scenario, the Virtual Observatory (VO) is the framework where a new methodology for astronomical research is being built. This poster shows the natural connection between Asteroseismology and VO. We describe the current status of a project developed by the Spanish Virtual Observatory in which, for the first time, asteroseismic models together with visualization tools for asteroseismology are managed within VO.

Select an structure model



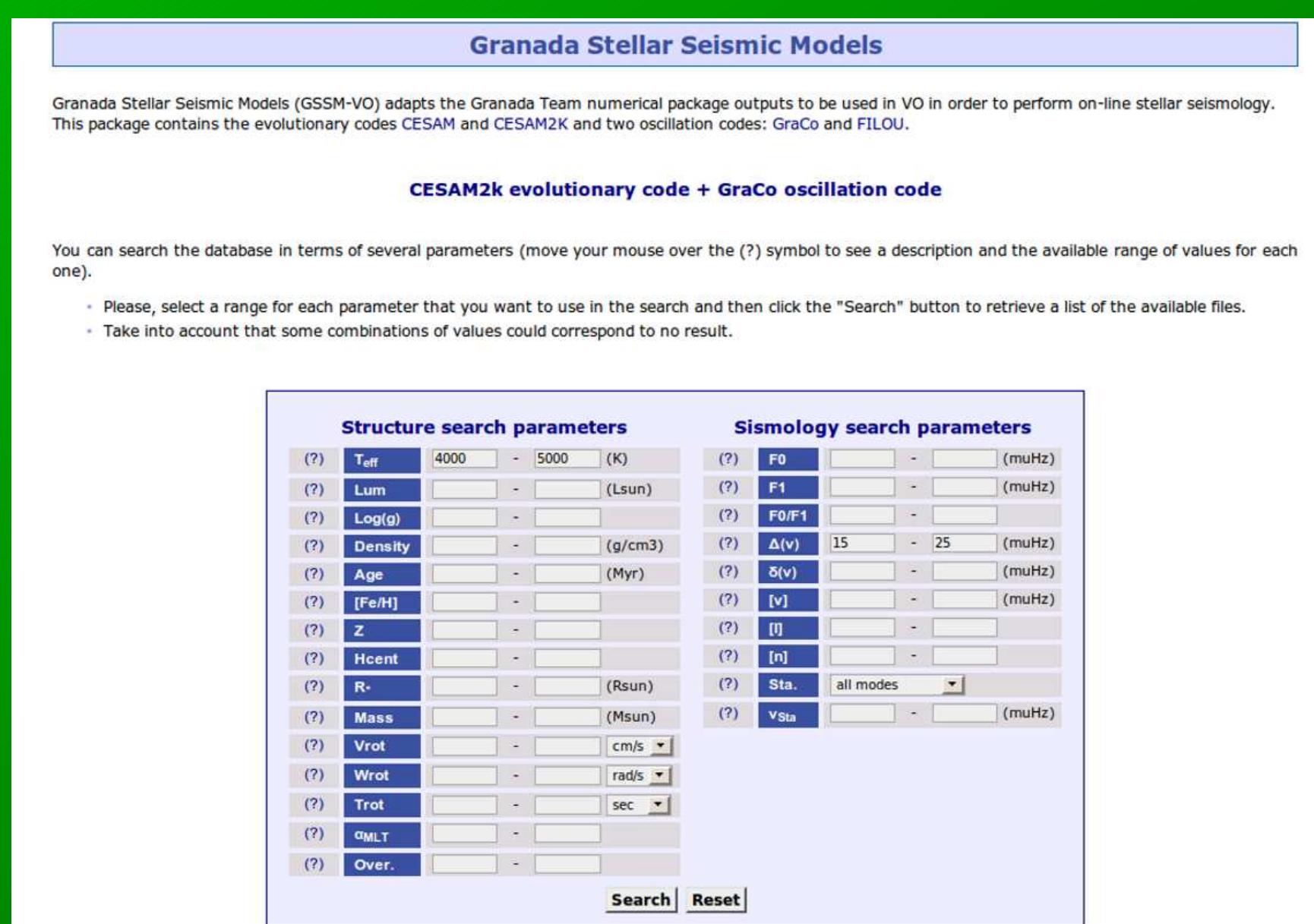
Two models available.

Select an oscillation model

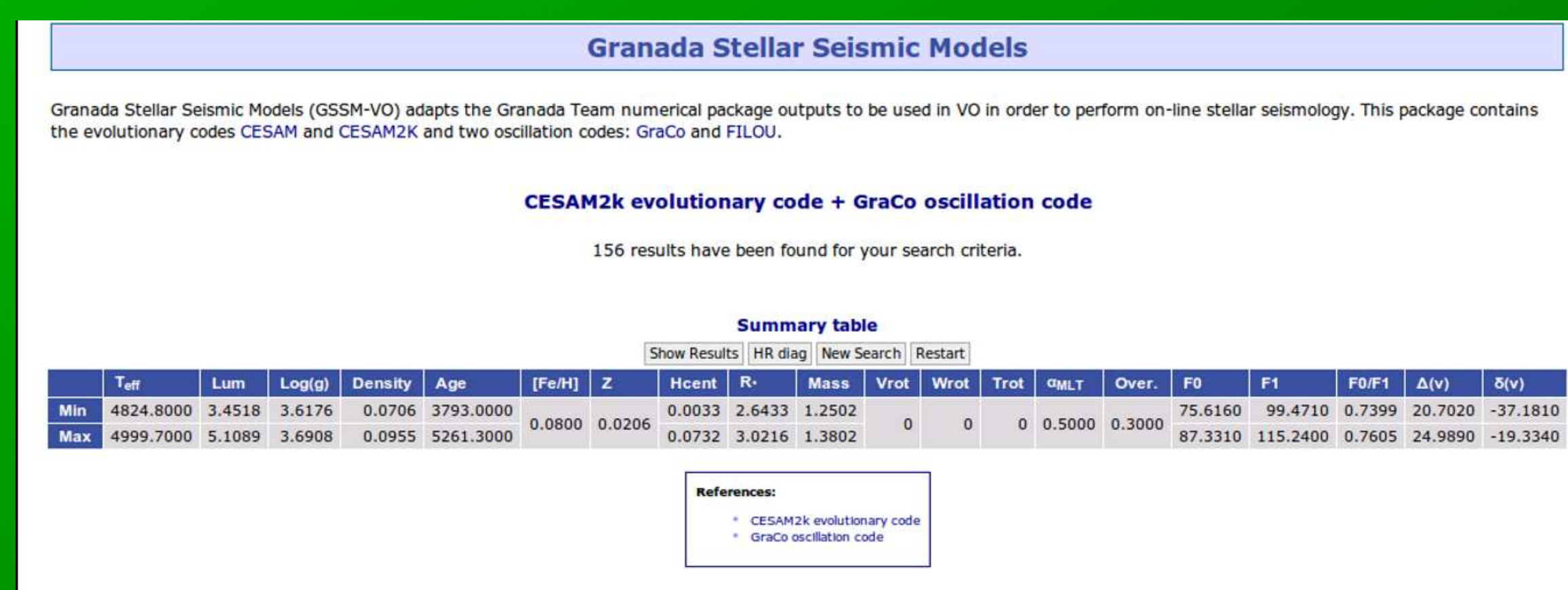


FILOU/GraCo models available depending on previous choice

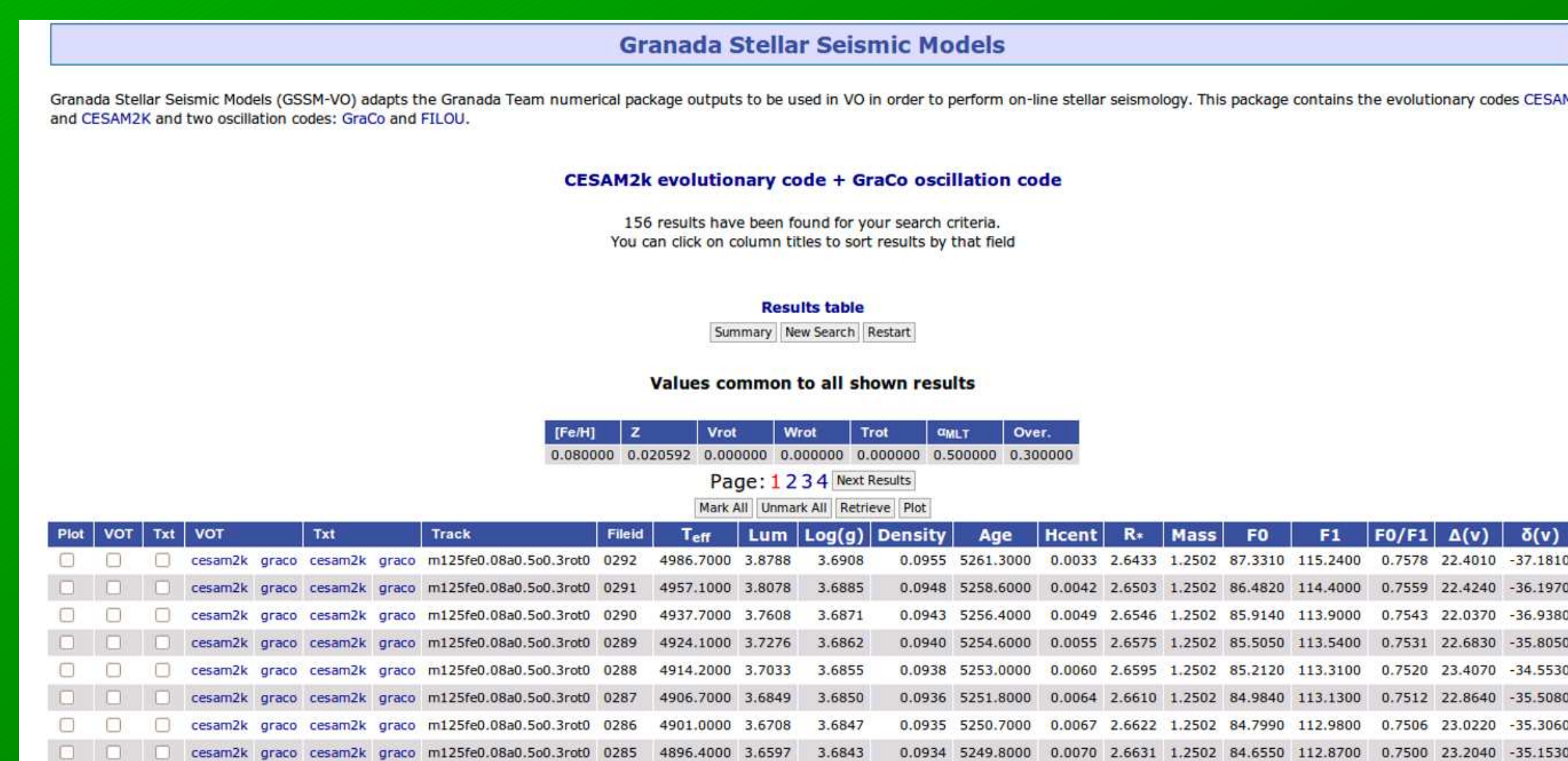
Select parameter ranges



Summary table

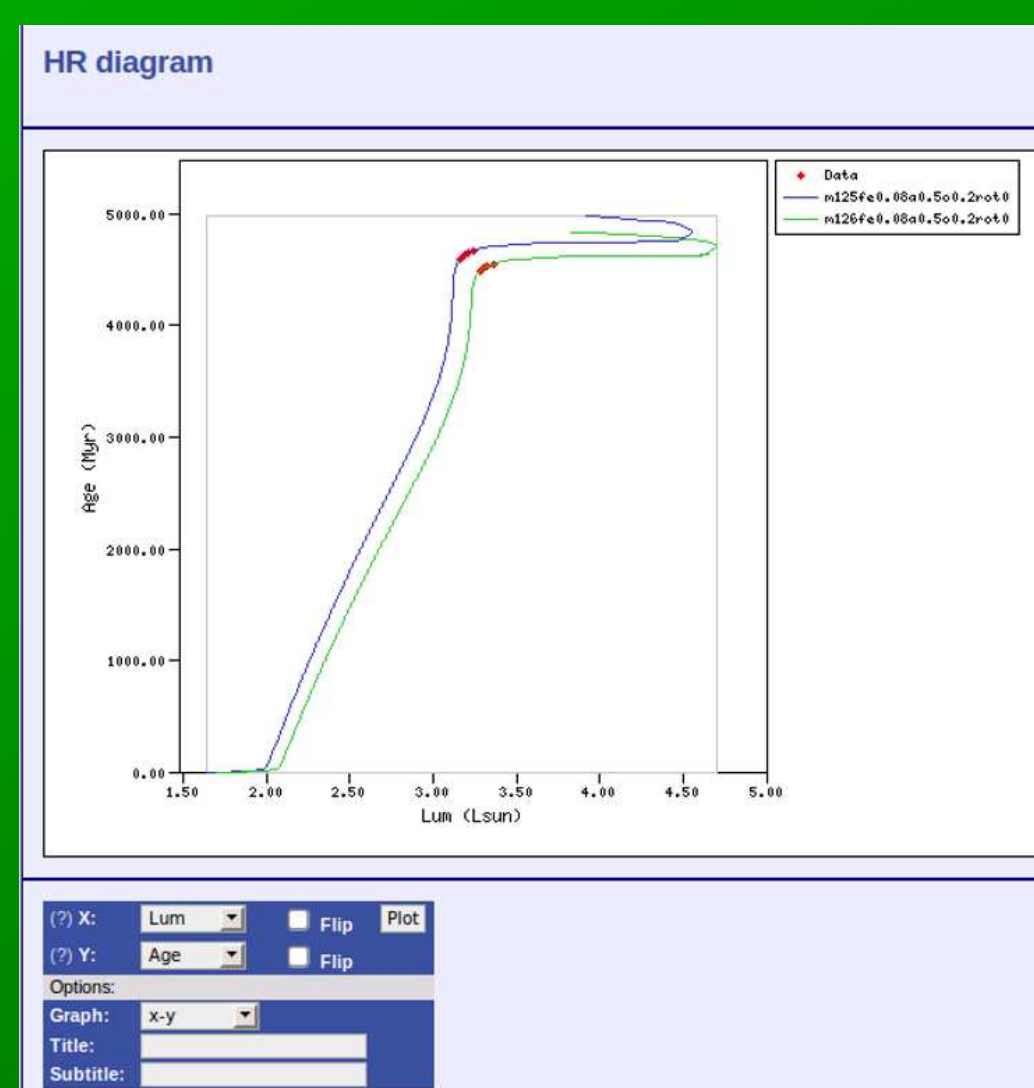


Detailed Results



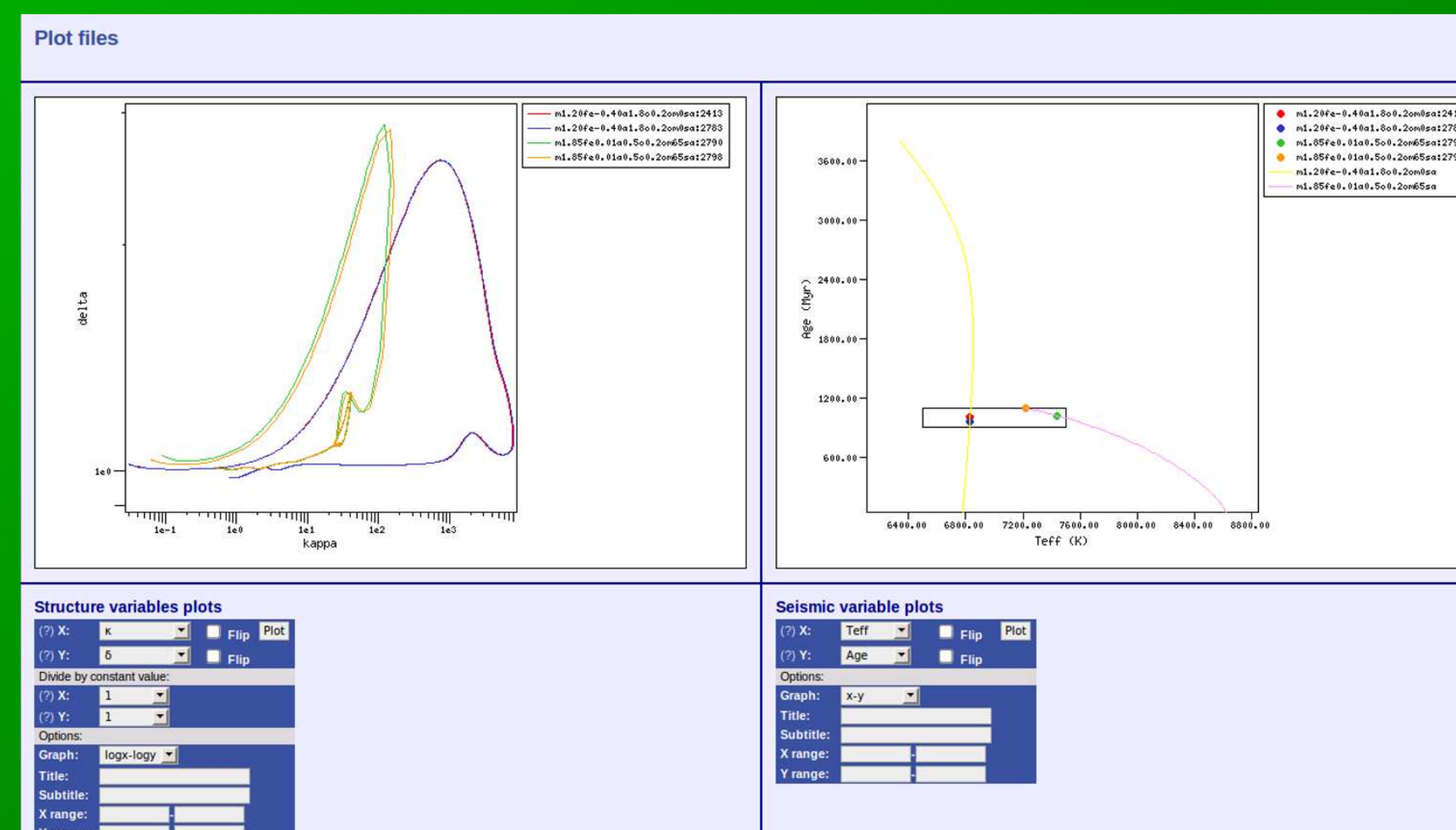
Download, plot...

HR diagram



HR diagram with all results.

Detailed Results



Select some files and make different plots for selected shell variables.