

IAP - Institute for Astronomy and Astrophysics

مركز ابحاث لعلم الفلك و فيزياء النجوم

<http://aecenar.com/institutes/iap>

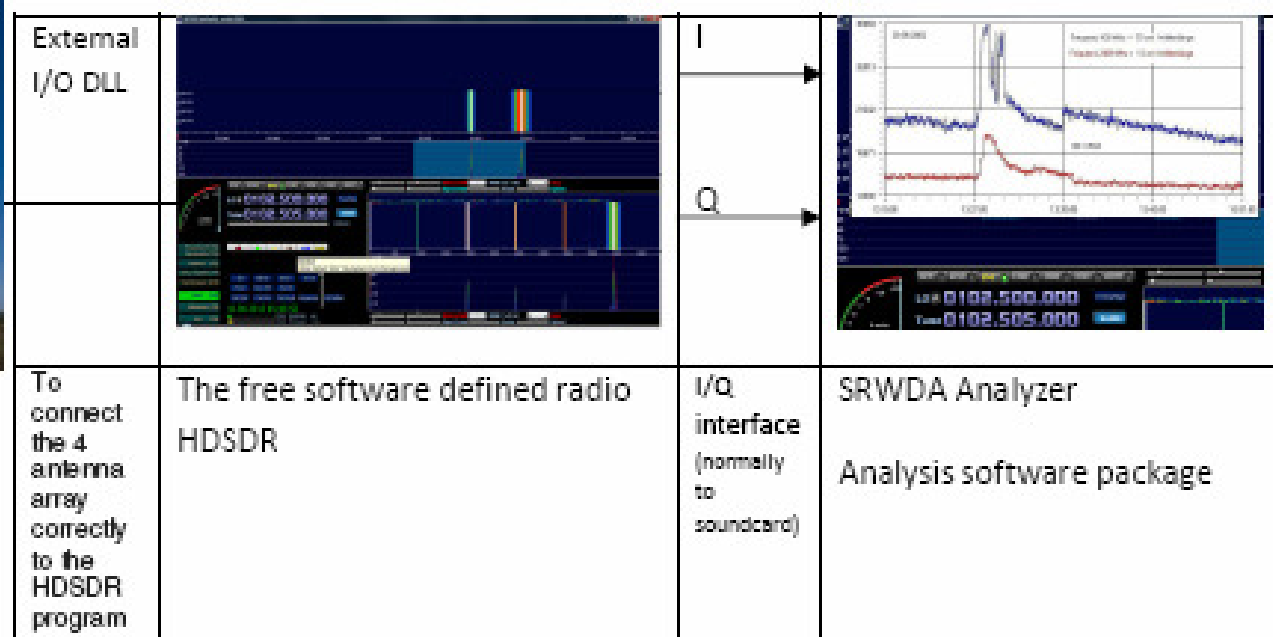


Ground Station for Radio Astronomy IAP_SRWDA

Last update: 06 December 2013

The SRWD project

The radio astronomical IAP project supernova radio wave detector and analyzer (SRWDA) aims to detect and analyze HI radio signals from supernova remnants. At the base station a set of antennas, which gives also direction information of the signals, is aimed to be connected to a computer which acts as Software Defined Radio (SDR). Afterwards an analyzing program is aimed to be installed. Later the detectors are planned to be installed on satellites to improve the resolution and to suppress disturbing signals from earth stations.



Actual Working Packages:

- Development of Prototype with parts of IAP ECS

Financial and man power needs for 2014:

- 1 persons (e.g. as PhD thesis) with student support (e.g. as master thesis)
- 10.000 USD material

Contact

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