

TAPAS - Telescope Archive for Public Access System

IRAM 30m Archive

Welcome Stephane

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Help

Overview

The TAPAS archive is the official distribution site for observational data/header obtained with the IRAM-30m telescope on the Sierra Nevada in Granada, Spain , and is a collaboration between the [Instituto de Radioastronomía Milimétrica](#) (IRAM) and the [Instituto de Astrofísica de Andalucía-CSIC](#) (IAA).

Home Page

The Home page is the hub to start the search using the TAPAS interface.

Search

It provides an interface orientated to source searching. The source can be given either by its name or by its position in the sky. It offers the possibility to filter according the kind of observations. The source name can be given either by its IRAM name or by its NED/SIMBAD name. If this solver is chosen it will use the [SESAME](#) which solves the name with [SIMBAD](#) or [NED](#) .

An observer can decide for his observation to setup the redshifted frequency of his object or the rest frequency of the transition together with the object velocity. It produces different setup in the data for the same observation. TAPAS looks for the observer's setup frequency and the velocity. For the line name there is no official nomenclature at the IRAM-30m telescope, the search will return the match of the line name with the observation setup.

The weather conditions found in the scan details are related to the opacity provided by the [taumeter at 225 GHz](#). Every 3 minutes a new measurement is taken on the sky.

The results of a query can be displayed in various formats

VOTable: VO-compliant XML table

CSV: plain text for the list

PDF: Postscript document format

The screenshot displays the TAPAS search interface. At the top, there's a header with the site name and a navigation bar. The main section is titled 'Search' and contains several input fields and checkboxes. On the left, there's a 'Source Name' field with a dropdown menu for 'SIMBAD/NED Name'. Below it are fields for 'J2000 RA', 'J2000 Dec', and 'Dist'. A 'Weather conditions' section includes an 'Opacity' checkbox. On the right, there's a 'Project' field, a 'Observation Date' range selector, and a 'Batch Size' dropdown. Further right, there are checkboxes for 'Automatic Update', 'No Data', 'No Term', and 'NED'. At the bottom right, there are fields for 'Frequency Range', 'Velocity Range', 'Line Name', and 'Line Name Match'. A 'Search' button is located at the bottom left of the form area.