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Can I search for a list of sources at the same time?

Felix Stoehr - 2023-04-18 - Archive & Data Retrieval

Yes.

Click on the "Target List" input field in the Position menu of the [ALMA Science Archive](https://almascience.org) and upload your target list from your computer.

The list must be an ascii file with one source name or position per line. The RA and Dec coordinates can be specified in either decimal or sexagesimal notation and must be separated by either a space or by a tab character.

Alternatively you can use python to query a list of targets programmatically:

<https://almascience.org/alma-data/archive/archive-notebooks>

The screenshot shows the ALMA Science Archive search interface. At the top, there is a search bar and a filter indicator showing '1 column filter active'. Below this, the interface is divided into five main sections: Position, Energy, Project, Publication, and Observation. Each section contains several input fields for search criteria. In the 'Position' section, the 'Target List' input field is highlighted with a red arrow. A tooltip is displayed over this field, providing information and a description of its function.

Position	Energy	Project	Publication	Observation
Source name	Frequency	Project code	BibCode	Observation Date
ALMA source name	Band	Project Title	Publication Title	Polarisation Type
RA Dec	Spectral resolution	Project abstract	Abstract	Member ous id
Galactic	Continuum sensitivity	PI Full Name	First Author	Object type
Target List			Authors	<input type="checkbox"/> Public data only
Angular Resolution				<input type="checkbox"/> Calibration observations
Max. Recoverable Scale				

Target List

Info: Search for an entire list of source names or coordinates by uploading a text file.

Description: A text file with source names and/or positions can be loaded into the interface and the query is executed for each of them in turn. Each source must be placed on a separate line. All the options available in the RA Dec input field are supported. Constraints in the other input fields are taken into account.