

APEX and telbib — your gateway to publication statistics

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ESO Library

APEX telescope bibliography - why?

- Retrieve refereed papers that use APEX data
- Derive statistics, evaluate performance, measure scientific impact
- Define guidelines for future telescopes and instruments
- Interconnect papers and data (if located in the ESO archive)
- Directly compare APEX and ESO publication statistics

Abstract

The ESO librarians develop and maintain the Telescope Bibliography (telbib). On behalf of the ESO community, this database also includes the APEX bibliography.

telbib contains **refereed science papers that use APEX data**. If available, records in the database use program IDs to link to the observations in the ESO archive.

The public telbib interface (telbib.eso.org) provides information about APEX data papers, along with visualizations of search results. Detailed reports and statistics, including metrics not readily available through the web, are available from the ESO librarians (library@eso.org).

CitationCount: 110 (c)

(a)

ID	Mode	Part	Type	Instrument	Archive
078.F-9028	sm	ESO	Normal	LABOCA	N
079.F-9500	sm	MPG	Normal	LABOCA	N
080.A-3023	sm	ESO	Normal	LABOCA	N
081.F-9500	sm	MPG	Normal	LABOCA	N
171.A-3045	sm	-	Large	VIMOS	Y
168.A-0485	sm	-	Large	VIMOS	Y
082.A-0890	sm	-	Normal	HAWKI	N
183.A-0666	sm	-	Large	VIMOS	N
			Any	-	N

(b)

(b)

APEX metrics from ESO librarians (Fig. 1)

(a) APEX partners

Observations are assigned to the APEX partner during whose observing time the data were taken

(b) Archival data

For ESO/APEX data, telbib indicates the use of archival data

(c) Citations

Citation counts are imported from the NASA ADS

Fig. 1: Specific APEX metrics available from the ESO librarians

We need your help to keep the APEX/telbib bibliography complete and correct. Please acknowledge APEX data in your papers, e.g.:

How can you help?

“Based on data obtained with LABOCA at the Atacama Pathfinder Experiment (APEX) under program IDs E-080.A-3023, M-081.F-9500, O-084.F-9302, C-082.F-0005.”

ESO telbib Public Interface (Fig. 2)

(a) Search interface

- query by bibliographic info or instrument, telescope, proID

(b) Results list

- paper titles linked to detailed display
- program IDs linked to data in ESO Archive, if available
- export feature for further use of results set

(c) Visualizations

- created on-the-fly based on search result
- interactive: click on instruments in caption to display or hide them

(a)

(b)

(c)

Visualize

No. of papers per instrument per year

Source: telbib
Query: year=[2015] and (telescope="APEX")

The graph shows the number of papers per instrument per year. Instrument-level information for observations by VLT/UT1 and Chajnantor facilities is available since the start of operations of the respective telescopes and instruments. For La Silla facilities, this information is only available starting in publication year 2000.

Fig. 2: Public interface of the APEX/telbib bibliography