

# ODB Functions

For an overview, please see the ODB tutorial [here](#). There is also a shorter tutorial available on [this page](#).

number **columns**( odb )

Returns a list of the names of the columns in the given ODB variable. If there are no columns, then nil is returned.

number **count**( odb )

Returns the number of rows contained in the ODB.

odb **odb\_filter**(...)

Performs an [ODB/SQL](#) query resulting in a new ODB. This is a Metview icon function, for detailed documentation please see the [ODB Filter](#).

definition **odb\_visualiser**(...)

Defines an object to visualise ODB data using various techniques and plot types. Optionally can run a filter on the ODB data for visualisation. This is a Metview icon function, for detailed documentation please see the [ODB Visualiser](#).

odb **read**( path )

Returns an ODB object representing an ODB file/database specified by its file system path.

vector or list **values**( odb, string )

Returns the given column specified by its name. If the column type is number, a vector is returned; if it is string, then a list of strings is returned. If the column cannot be found, nil is returned.