Raise the odds to be included in VizieR !

Ensure that your published tables will be useful to the community and follow the...

... essential (pre-)publication checklist :

❑ For tables containing astronomical objects, **a non-altered name** must be given along with the **coordinates.**

❑ All columns must be well explained, with their **corresponding unit.**

Hence, one column is **homogeneous** and not mixed with different measurements having different meanings (errors mixed with limit values or values with different units should be different columns).

❑ When there are more than one table, the objects in common must be identified with the **same name between tables.**

Why those check lists ?

To face the increasing amount of data, the CDS selects the articles to be processed with various scientific criteria but also according to the effort made by the authors to make their data useful.

Unless the three points on the «essential checklist» are checked, a human being has to put in extra efforts in a quite long process to ensure the quality and reusability of data.

A table of astronomical objects with no coordinates will not be processed in SIMBAD.
Shortened names like 2M1427+3400 can be matched to at least 5 different objects in the 2MASS catalog.

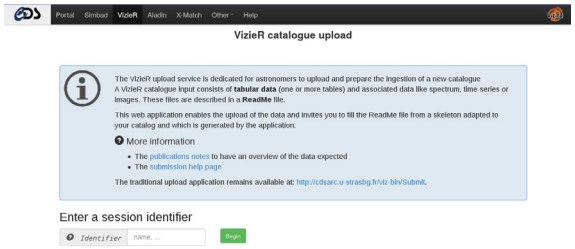
If too many conditions are needed to understand a column, a script is needed to re-use it and so, it is not interoperable and so, not discoverable.

A common key is fundamental for any action between tables.

What about FITS spectra/images ?

VizieR offers a specific search for images, spectra and datacubes in FITS format.

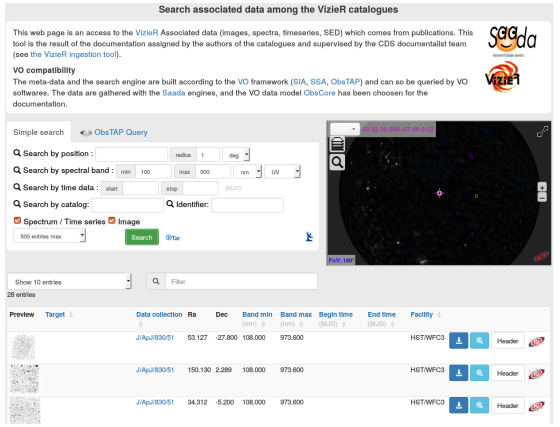
You can use the new submit webpage (still in test phase) to send them to the CDS :
http://cdsarc.u-strasbg.fr/vizier.submit/



Make sure that FITS file header includes:

- coordinates and wavelengths in the WCS system
- observation dates
- telescopes/instruments

If the FITS file is not in the standard WCS system, the reusability of the file is compromised.



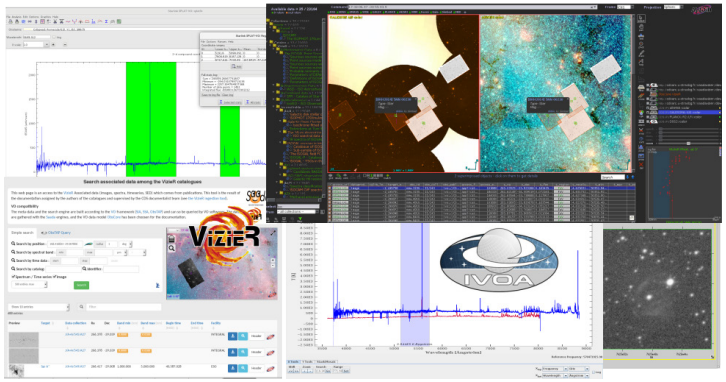
Check the integrity of your FITS file with a commonly used FITS viewer, like fv, fitsverify or
http://cdsarc.u-strasbg.fr/vizier.submit/fitsvalidator.html

Why distribute your data through VizieR ?

Get more citations thanks to the increased visibility

Multiple accesses through :

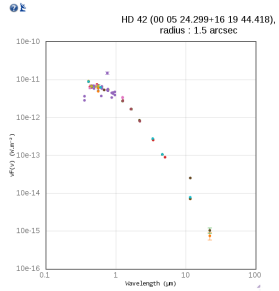
- a simple search : http://vizier.unistra.fr/
- the Virtual Observatory, via VO tools like TOPCAT, Aladin, CASSIS, ...



- the VizieR associated data webpage for images and spectra in FITS format.
- the SIMBAD database for astronomical object queries.

Advanced usage :

- use ADQL/SQL queries in TAPVizieR
- merge your data with large catalogs using the Cross-match service
- plot the photometry of your favorite objects in the VizieR photometry viewer.



Preservation commitment : CORE TRUST SEAL

Findable Accessible Interoperable Reusable

To publish/update a catalogue :
cats@cdsarc.u-strasbg.fr

Publication support:
http://cdsarc.u-strasbg.fr/vizier/submit.htx

For any question, remark, or feedback, send us an e-mail :
cds-question@unistra.fr

There is always someone to help!

CDS — Observatoire astronomique de Strasbourg | ObAS — CNRS — Université de Strasbourg

MAKE YOUR DATA VISIBLE