



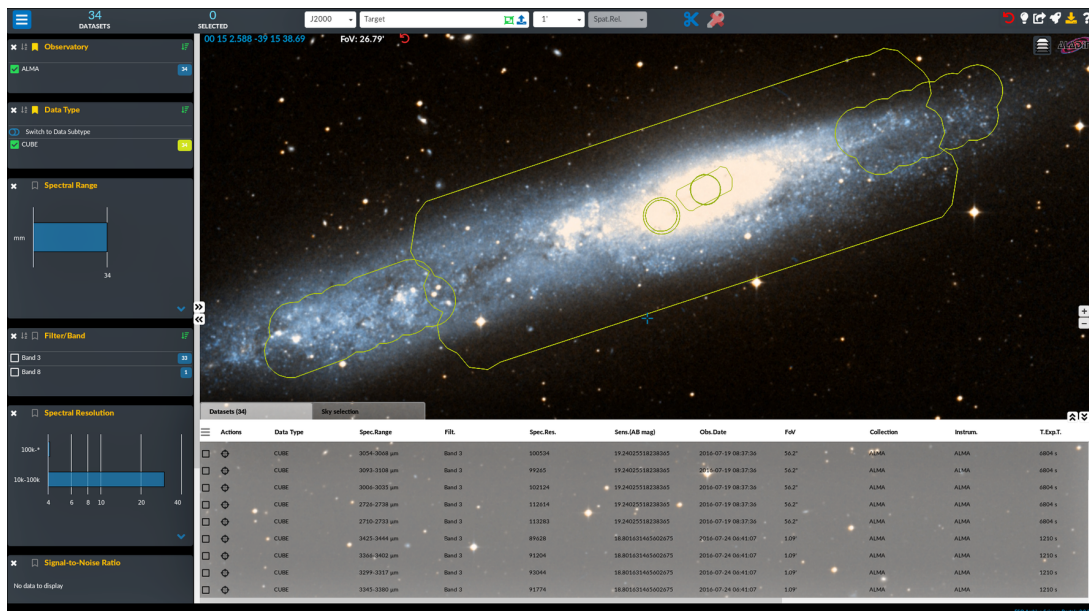
ASP - Archive Science Portal V2.0 - Main features

Laura Mascetti - 2024-01-25 - Comments (0) - Science Portal

The full list of improvement present in Version 2.0 has been announced to the scientific community [here](#).

Following users feedback, the updated Archive Science Portal provides (among others) the following improvements:

- **A single interface allows users to access data from La Silla Paranal, APEX ,and -now- from ALMA as well:**

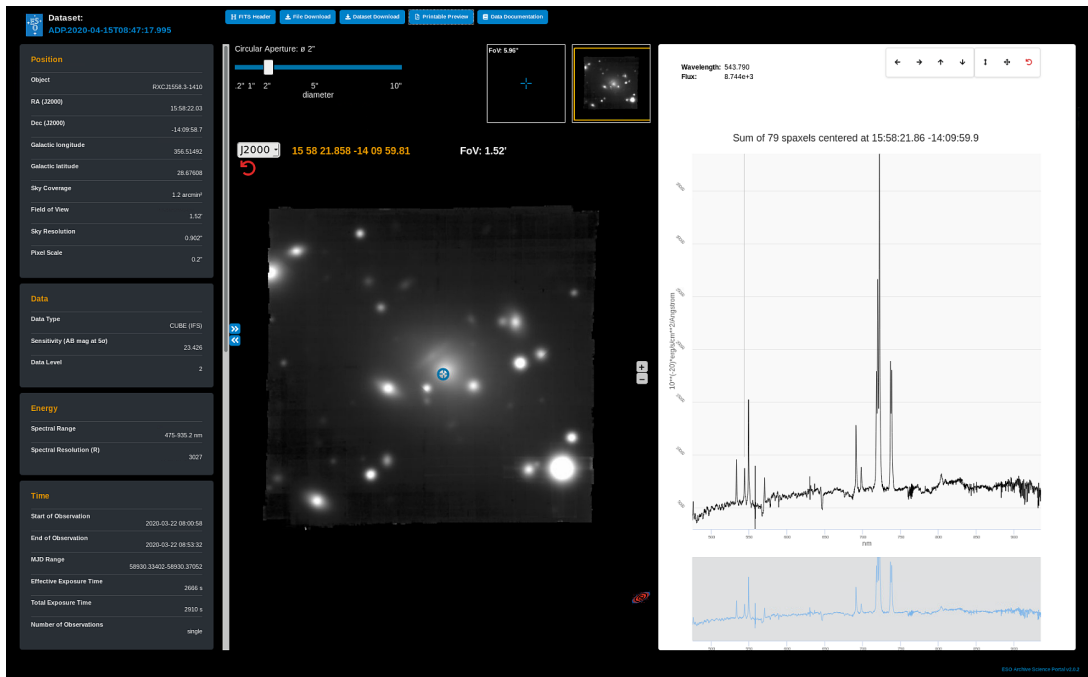


See for instance [here](#) the ALMA footprint over the WHALE galaxy.

These ALMA data can be retrieved also with this [programmatic query](#):

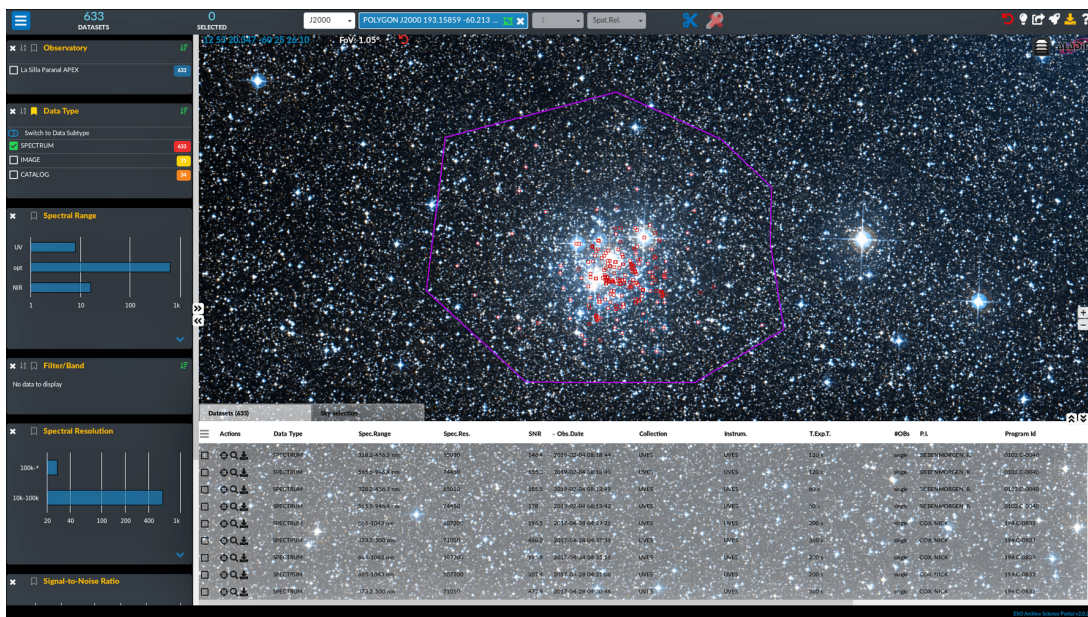
```
SELECT
  s_ra, s_dec, dp_id, instrument_name, obstech, proposal_id,
obs_release_date
FROM
  ivoa.ObCore
WHERE
  intersects(s_region, circle('',3.72333,-39.19667,0.3))=1 AND
instrument_name='ALMA'
```

- We now provide previews for datacubes, including interactive spectrum extraction:



Users can now extract a quick look MUSE spectrum directly from the [Archive Interface](#).

- Search within user defined polygons:



For instance an user can [download all the spectra of the stars in the Jewel Box cluster](#) within a customized region. Naturally this is possible also [programmatically](#):

```
SELECT
    s_ra, s_dec, dp_id, instrument_name, obstech, proposal_id,
    obs_release_date
FROM
```

ivoa.ObsCore

WHERE

```
intersects(s_region, POLYGON( 'J2000', 193.15859, -60.21354,
193.40507, -60.15885, 193.80660, -60.21094, 193.85447, -60.38943,
193.61956, -60.49661, 193.21774, -60.49711, 193.00831, -60.43487,
193.04188, -60.33450, 193.03932, -60.26952) )=1 AND obstech NOT LIKE
'IMAGE%'
```

Tags

Archive

Data Access

reduced data