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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:

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 Switch to Data Subtype CUBE 	2			·							Y?	
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x 1: □ Filter/Band □ Band 3 □ Band 8	* * # 17 13		6.		e e							
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		Actions	Data Type	Spec.Range	Filt	Spec.Res.	Sens.(AB mag)	Obs.Date	FolV	Collection	instrum.	T.Exp.T.
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No data to display												

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.ObsCore
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 <u>download all the spectra of the stars in the Jewel Box cluster</u> within a customized region. Naturally this is possible also <u>programmatically</u>:

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	