

SLAC - IPAC meeting at DM AHM 2015-02-10

Date

10 Feb 2015

Attendees

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Discussion items

Data Access Web Services demo

- Result formatting - accept header - OK?
- Links in html version of results OK?
- API for running queries

Workflow for non-trivial queries

- Say a query is: "return cutouts for all sources matching a given database query, say "select sourceid from Source where sourceid in (123, 444, 567)".
- Check it applies cleanly to usecase Xiuqin described in DM-1916.

Qserv testing

- need faster turnaround

Terminology

- dataset / repo etc
- In IPAC archives, dataset always refers to a collection of data.
 - For WISE, each data release is a dataset: like preliminary release, allsky release, AllWISE release, ...
 - For Spitzer, each legacy or exploration team produce a set of data, they are released with each team name or the program name
 - Sometimes a dataset includes both catalogs and images; sometimes only catalogs or images in a dataset.
 - Inside a dataset, they are further separated into smaller units, sometimes by type (catlog, image, spectrum).
 - Images can be further separated by level of data products (level1-single frame image, leve2-coadded image), and by wavelength (wise has 4 bands).
 - For each image, there are also ancillary data associated with it, like artifacts, uncertainty, coverage, PSF file, mask, ...
- organization of data will affect the REST API when specifying resource. What's repo definition?
- Also, "types"
 - see DM-1916
 - Level = DC, L1, L2, L3, dev
 - (Image) Collection = some label (e.g. DR1, DR2, ktl/test20150202)
 - (Image) Kind = raw, fpC, deepCoadd, diffim, template, etc.

VO cutout service

- <http://www.cadc-ccda.hia-ihp.nrc-cnrc.gc.ca/caom2ops/examples>
- the CADC sources are here <https://code.google.com/p/opencadc/source/browse/#git%253Fstate%253Dclosed>
- IPAC team familiar, but not with details, will read up about it
- also, Serge wrote image cutout code for IRSA. Discuss all that at the DM-AHM

IPAC table format

- need to discuss passing metadata

API

- [DM-1916](#) - Fine-tune data access interfaces