ALMA Archive use and data download

The ALMA Archive

For the Archive "Intro page":

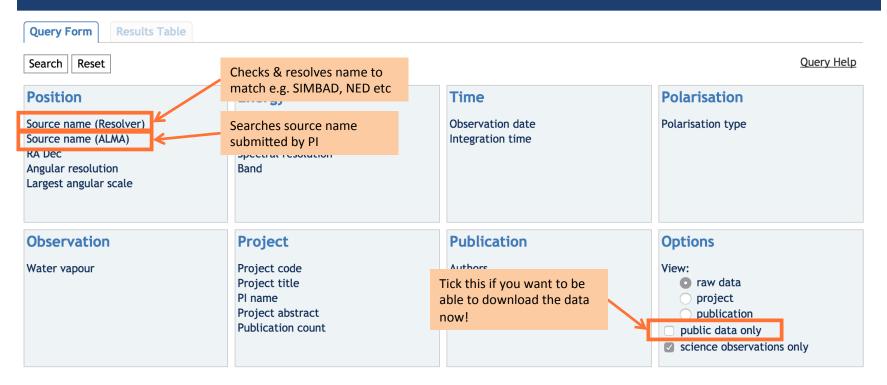
https://almascience.eso.org/alma-data/archive

To directly access the Archive:

https://almascience.eso.org/aq/

The Archive Interface

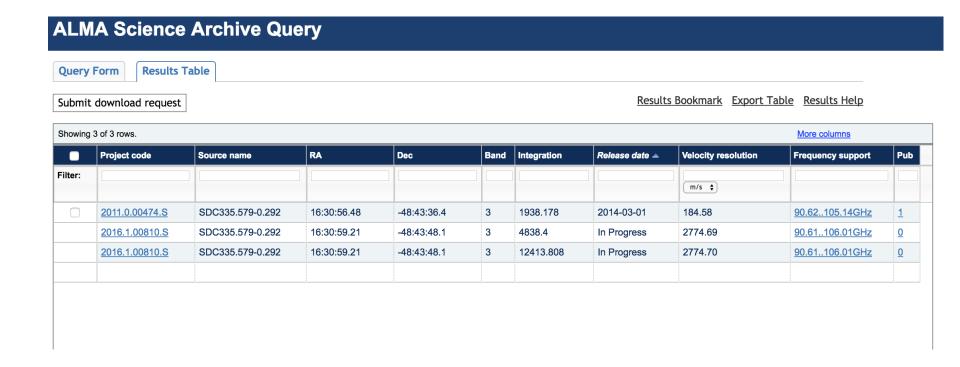
ALMA Science Archive Query



ALMA Science Archive Query

Query Form Results Table Query Help Search Reset **Position** Time **Polarisation Energy** Observation date Source name (Resolver) Frequency Polarisation type Source name (ALMA) Bandwidth Integration time Spectral resolution SDC335.579-0.292 **Band** RA Dec Angular resolution Largest angular scale Observation **Project Publication Options** Water vapour Project code View: Authors Project title Title raw data PI name **Abstract** project Project abstract publication **Publication count** public data only science observations only

Results page



Note I didn't have 'public data only' checked.

Results page



This time with 'public data only' checked.

Download options

ALMA Request Handler Login Anonymous User: Request #1738315987 ✓ Request Title: Click to edit Download Selected □ readme product raw raw (semipass) Project / OUSet / Executionblock File Size Accessible ▼ **I** Request 1738315987 ▼ Member OUS uid://A001/X6f/X4 3.2GB ✓ Product 2011.0.00474.S 2012-02-09 001 of 033.tar product 6.0GB **~** 2011.0.00474.S 2012-02-09 002 of 033.tar oroduct 2011.0.00474.S 2012-02-09 003 of 033.tar 3.5GB product ✓ 3.4GB 2011.0.00474.S 2012-02-09 004 of 033.tar of product 2011.0.00474.S 2012-02-09 005 of 033.tar 5.8GB of product ✓ 2011.0.00474.S 2012-02-09 006 of 033.tar 4.6GB of product ✓ 2011.0.00474.S 2012-02-09 007 of 033.tar 3.0GB oroduct ✓ 3.0GB 2011.0.00474.S 2012-02-09 008 of 033.tar of product 2011.0.00474.S 2012-02-09 009 of 033.tar 5.4GB product 2011.0.00474.S 2012-02-09 010 of 033.tar 4.6GB product 2011.0.00474.S 2012-02-09 011 of 033.tar 3.4GB ✓ of product 3.4GB 2011.0.00474.S 2012-02-09 012 of 033.tar of product ✓ 2011.0.00474.S 2012-02-09 013 of 033.tar 3.5GB ✓ product ✓

6.0GB

3.0GB

3.0GB

2011.0.00474.S 2012-02-09 014 of 033.tar

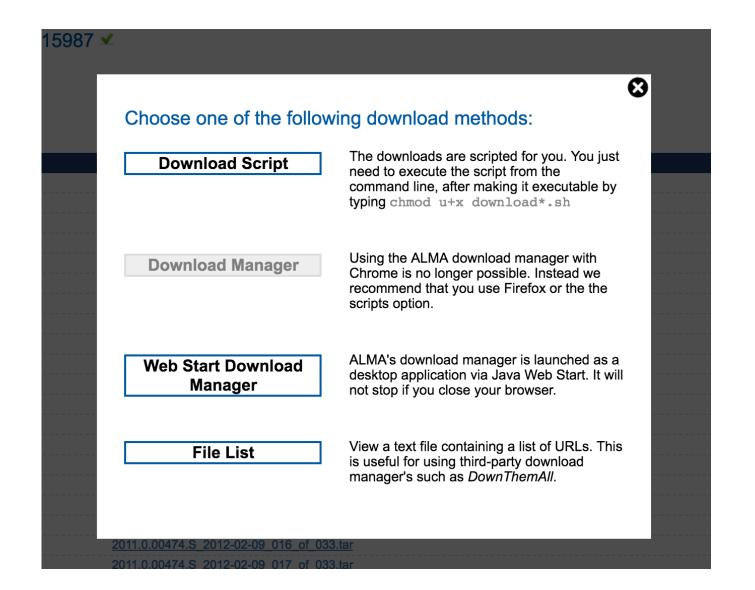
2011.0.00474.S 2012-02-09 015 of 033.tar

2011.0.00474.S 2012-02-09 016 of 033.tar

product

of product

Download options



When you've got your data...

Unpacking

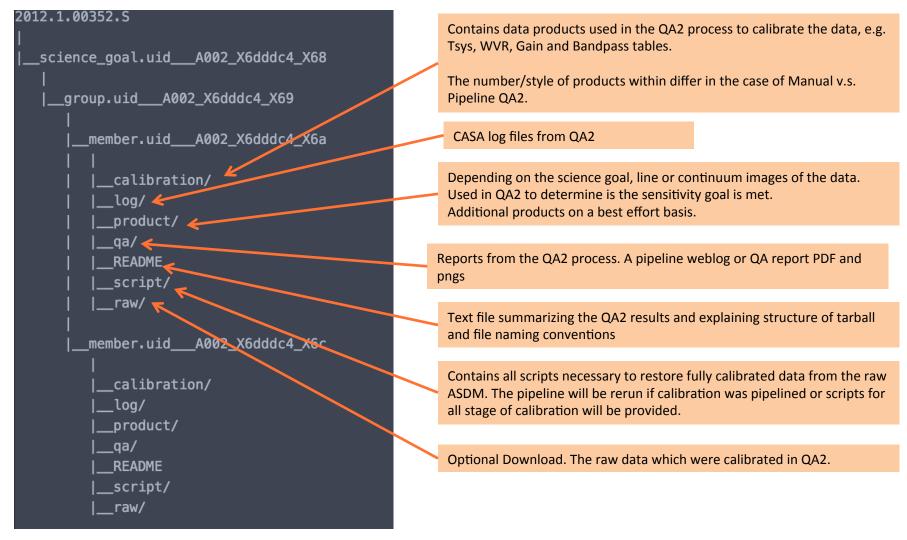
You will have a few .tar files:

```
These contain the full directory structure and the archived image products

2012.1.00352.S_uid__A002_X6dddc4_X6c_001_of_001.tar
2012.1.00352.S_uid__A002_X714310_X173.asdm.sdm.tar
2012.1.00352.S_uid__A002_X716e68_X21a.asdm.sdm.tar
2012.1.00352.S_uid__A002_X716e68_X21a.asdm.sdm.tar
2012.1.00352.S_uid__A002_X75bfbf_X1015.asdm.sdm.tar
2012.1.00352.S_uid__A002_X75bfbf_X2e3.asdm.sdm.tar
2012.1.00352.S_uid__A002_X75bfbf_X2e3.asdm.sdm.tar
2012.1.00352.S_uid__A002_X75bfbf_X81b.asdm.sdm.tar
2012.1.00352.S_uid__A002_X75bfbf_X81b.asdm.sdm.tar
2012.1.00352.S_uid__A002_X76b268_X60.asdm.sdm.tar
2012.1.00352.S_uid__A002_X7eb28f_X60.asdm.sdm.tar
2012.1.00352.S_uid__A002_X7eb28f_X60.asdm.sdm.tar
2012.1.00352.S_uid__A002_X8204db_Xce1.asdm.sdm.tar
```

Untar them all with: tar xvf <filename>.tar

The directory structure



https://almascience.nrao.edu/documents-and-tools/cycle-2/alma-qa2-products-v2.2/

scriptForPI.py