

The ALMA Archive

George J. Bendo

UK ALMA Regional Centre Node
Jodrell Bank Centre for Astrophysics
The University of Manchester

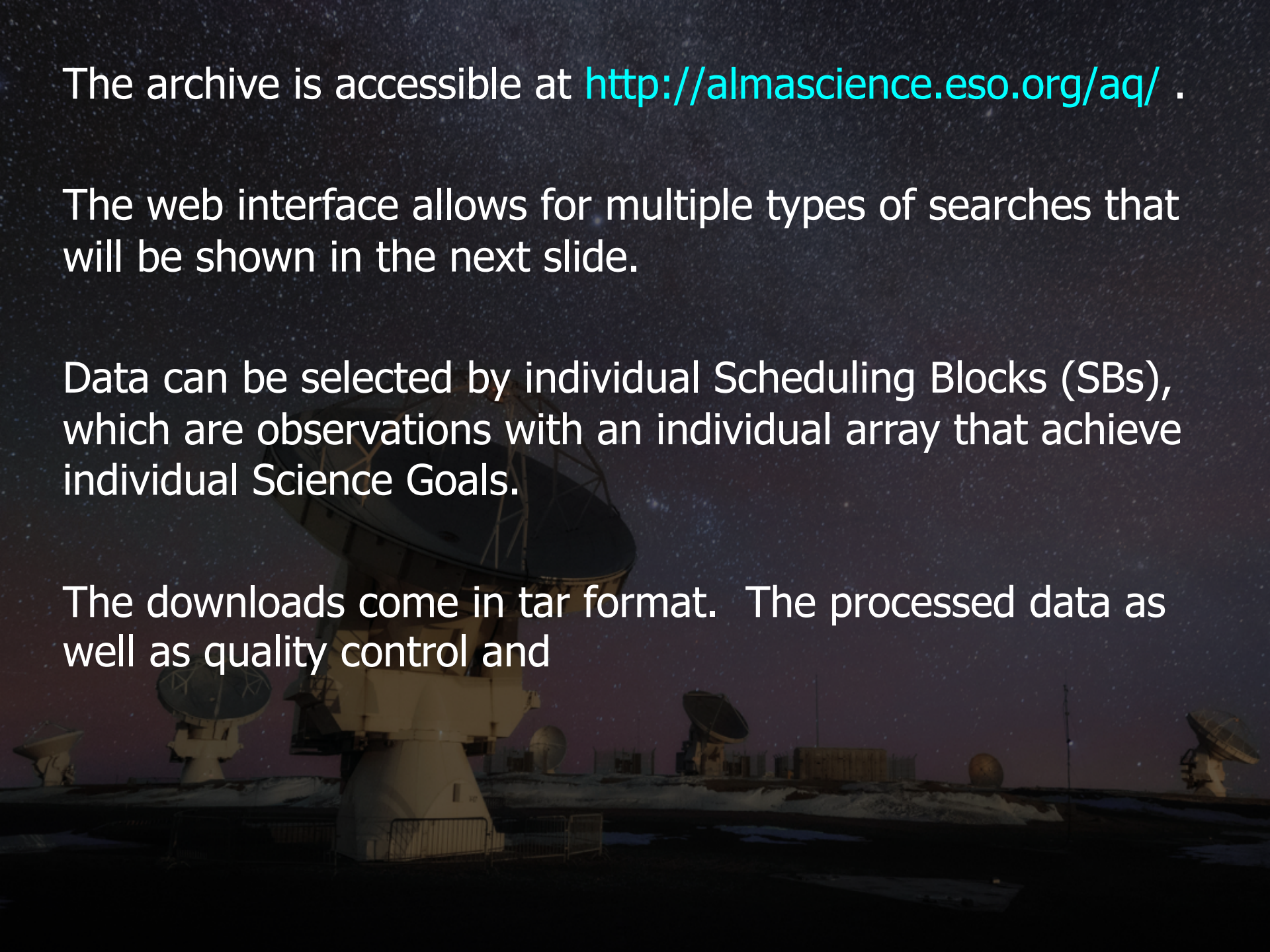


The archive is accessible at <http://almascience.eso.org/aq/> .

The web interface allows for multiple types of searches that will be shown in the next slide.

Data can be selected by individual Scheduling Blocks (SBs), which are observations with an individual array that achieve individual Science Goals.

The downloads come in tar format. The processed data as well as quality control and



Query Form Results Table

ALMA Science Archive

Search Reset

Query Help

Position

- Source name (Resolver)
- Source name (ALMA)
- RA Dec
- Galactic
- Target list
- Angular resolution
- Largest angular scale
- Field of view

Energy

- Frequency
- Bandwidth
- Spectral resolution
- Band

Time

- Observation date
- Integration time

Polarisation

- Polarisation type

Observation

- Line sensitivity (10 km/s)
- Continuum sensitivity
- Water vapour

Project

- Project code
- Project title
- PI name
- Proposal authors
- Project abstract
- Publication count
- Science keyword

Publication

- Bibcode
- Title
- First author
- Authors
- Abstract
- Year

Options

View:

- observation
- project
- publication
- public data only
- science observations only

Query Form Results Table

ALMA Science Archive

Search Reset

Query Help

Position

Source name (Resolver)
IRAS16293-2422 ✓

Source name (ALMA)
RA Dec
Galactic
Target list
Angular resolution
Largest angular scale
Field of view

Energy

Frequency
Bandwidth
Spectral resolution
Band

Time

Observation date
Integration time

Polarisation

Polarisation type

Observation

Line sensitivity (10 km/s)
Continuum sensitivity
Water vapour

Project

Project code
Project title
PI name
Proposal authors
Project abstract
Publication count
Science keyword

Publication

Bibcode
Title
First author
Authors
Abstract
Year

Options

View:

- observation
- project
- publication
- public data only
- science observations only

Query Form Results Table **ALMA Science Archive**

Submit download request Close Viewer Results Bookmark Export Table Results Help



More columns Showing 104 of 104 rows.

| <input type="checkbox"/> | Project code | Source name | RA | Dec | Band | Integration | Release date | Velocity resolution | Frequency support | Pub |
|--------------------------|--------------------------------|-----------------|-------------|-------------|------|-------------|--------------|---------------------|----------------------------------|--------------------|
| Filter: | | | | | | | | | | |
| <input type="checkbox"/> | 2012.1.00712.S | IPAS_16293-2422 | 16:32:22.72 | -24:28:34.3 | 6 | 2963.520 | 2015-06-12 | 291.90 | 231.03_250.74GHz | 4 |
| <input type="checkbox"/> | 2012.1.00712.S | IPAS_16293-2422 | 16:32:22.72 | -24:28:34.3 | 6 | 2903.040 | 2015-07-10 | 304.14 | 221.77_240.65GHz | 4 |
| <input type="checkbox"/> | 2013.1.00061.S | IPAS16293_AB | 16:32:22.75 | -24:28:34.4 | 7 | 604.800 | 2015-07-25 | 230.73 | 303.88_319.00GHz | 1 |
| <input type="checkbox"/> | 2013.1.00061.S | IPAS16293_AB | 16:32:22.75 | -24:28:34.4 | 7 | 786.240 | 2015-07-29 | 226.90 | 310.48_324.04GHz | 1 |
| <input type="checkbox"/> | 2012.1.00712.S | IPAS_16293-2422 | 16:32:22.72 | -24:28:34.3 | 3 | 1663.200 | 2015-07-30 | 353.87 | 89.49_103.41GHz | 4 |
| <input type="checkbox"/> | 2013.1.00061.S | IPAS16293-AB | 16:32:22.75 | -24:28:34.4 | 6 | 393.120 | 2015-11-13 | 302.43 | 225.82_243.13GHz | 1 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.32 | -24:28:59.3 | 7 | 847.198 | 2015-12-25 | 27.27 | 332.64_347.45GHz | 1 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.32 | -24:28:59.2 | 7 | 1450.414 | 2015-12-27 | 29.51 | 307.06_310.88GHz | 1 |
| <input type="checkbox"/> | 2013.1.00278.S | IPAS16293-2422 | 16:32:22.72 | -24:28:34.3 | 7 | 2842.560 | 2016-02-05 | 411.82 | 353.51_355.46GHz | 10 |
| <input type="checkbox"/> | 2013.1.00352.S | IPAS16293-2422 | 16:32:22.72 | -24:28:34.3 | 4 | 1874.880 | 2016-02-25 | 130.78 | 138.61_140.61GHz | 1 |
| <input type="checkbox"/> | 2013.1.00018.S | IPAS_16293-2422 | 16:32:22.78 | -24:28:35.3 | 7 | 3749.760 | 2016-02-28 | 211.63 | 330.51_345.85GHz | 0 |
| <input type="checkbox"/> | 2013.1.00187.S | 163223-24284 | 16:32:22.90 | -24:28:37.1 | 3 | 60.480 | 2016-03-30 | 317.30 | 99.75_115.33GHz | 1 |
| <input type="checkbox"/> | 2013.1.00187.S | 163229-24291 | 16:32:29.10 | -24:28:07.2 | 3 | 60.480 | 2016-03-30 | 317.30 | 99.75_115.33GHz | 1 |
| <input type="checkbox"/> | 2013.1.00278.S | IPAS16293-2422 | 16:32:22.72 | -24:28:34.3 | 7 | 1512.000 | 2016-04-16 | 432.35 | 336.67_338.58GHz | 10 |
| <input type="checkbox"/> | 2013.1.00278.S | IPAS16293-2422 | 16:32:22.72 | -24:28:34.3 | 7 | 1179.360 | 2016-04-17 | 414.02 | 351.69_353.56GHz | 10 |
| <input type="checkbox"/> | 2013.1.00278.S | IPAS16293-2422 | 16:32:22.72 | -24:28:34.3 | 7 | 786.240 | 2016-04-28 | 418.46 | 347.84_349.81GHz | 10 |

Query Form Results Table **ALMA Science Archive**

Submit download request Close Viewer Results Bookmark Export Table Results Help



More columns Showing 104 of 104 rows.

| <input type="checkbox"/> | Project code | Source name | RA | Dec | Band | Integration | Release date | Velocity resolution | Frequency support | Pub |
|-------------------------------------|---------------------------------|------------------|-------------|-------------|------|-------------|--------------|---------------------|----------------------------------|-------------------|
| Filter: | | | | | | | | | | |
| <input type="checkbox"/> | 2011.0.00007.SV | IPAS16293-2422 | 16:32:22.74 | -24:28:32.5 | 4 | 3659.040 | In Progress | 248.55 | 145.11_159.16GHz | 8 |
| <input type="checkbox"/> | 2011.0.00007.SV | IPAS16293-2422-a | 16:32:22.74 | -24:28:32.5 | 9 | 2104.574 | In Progress | 415.16 | 686.56_705.19GHz | 8 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.32 | -24:28:59.3 | 7 | 847.198 | 2015-12-25 | 27.27 | 332.64_347.45GHz | 1 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.32 | -24:28:59.2 | 7 | 1450.414 | 2015-12-27 | 29.51 | 307.06_310.88GHz | 1 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.32 | -24:29:00.3 | 7 | 264.838 | 2016-07-14 | 54.53 | 332.77_347.42GHz | 1 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.32 | -24:29:01.1 | 7 | 160.701 | 2016-09-22 | 29.52 | 307.12_310.81GHz | 1 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.17 | -24:28:56.6 | 7 | 23218.560 | 2016-12-18 | 29.52 | 307.03_310.85GHz | 1 |
| <input type="checkbox"/> | 2012.1.00178.S | L1689N | 16:32:29.17 | -24:28:56.6 | 7 | 15553.728 | 2017-04-01 | 54.53 | 332.74_347.42GHz | 1 |
| <input type="checkbox"/> | 2012.1.00712.S | IPAS_16293-2422 | 16:32:22.72 | -24:28:34.3 | 3 | 1663.200 | 2015-07-30 | 353.87 | 89.49_103.41GHz | 4 |
| <input type="checkbox"/> | 2012.1.00712.S | IPAS_16293-2422 | 16:32:22.72 | -24:28:34.3 | 6 | 2963.520 | 2015-06-12 | 291.90 | 231.03_250.74GHz | 4 |
| <input checked="" type="checkbox"/> | 2012.1.00712.S | IPAS_16293-2422 | 16:32:22.72 | -24:28:34.3 | 6 | 2903.040 | 2015-07-10 | 304.14 | 221.77_240.65GHz | 4 |
| <input type="checkbox"/> | 2013.1.00018.S | IPAS_16293-2422 | 16:32:22.78 | -24:28:35.3 | 7 | 3749.760 | 2016-02-28 | 211.63 | 330.51_345.85GHz | 0 |
| <input type="checkbox"/> | 2013.1.00018.S | IPAS_16293-2422 | 16:32:22.78 | -24:28:35.3 | 7 | 967.680 | 2016-05-04 | 210.67 | 334.53_350.03GHz | 0 |
| <input type="checkbox"/> | 2013.1.00018.S | IPAS_16293-2422 | 16:32:22.78 | -24:28:35.3 | 7 | 937.440 | 2016-05-11 | 211.60 | 330.56_345.89GHz | 0 |
| <input type="checkbox"/> | 2013.1.00018.S | IPAS_16293-2422 | 16:32:22.78 | -24:28:35.3 | 7 | 1905.120 | 2016-10-22 | 210.71 | 334.47_349.97GHz | 0 |
| <input type="checkbox"/> | 2013.1.00018.S | IPAS_16293-2422 | 16:32:22.78 | -24:28:35.3 | 7 | 3749.760 | 2016-10-30 | 211.63 | 330.51_345.85GHz | 0 |

ALMA Request Handler

Login

Anonymous User: Request #2145093268107 ✓
Request Title: [Click to edit](#)

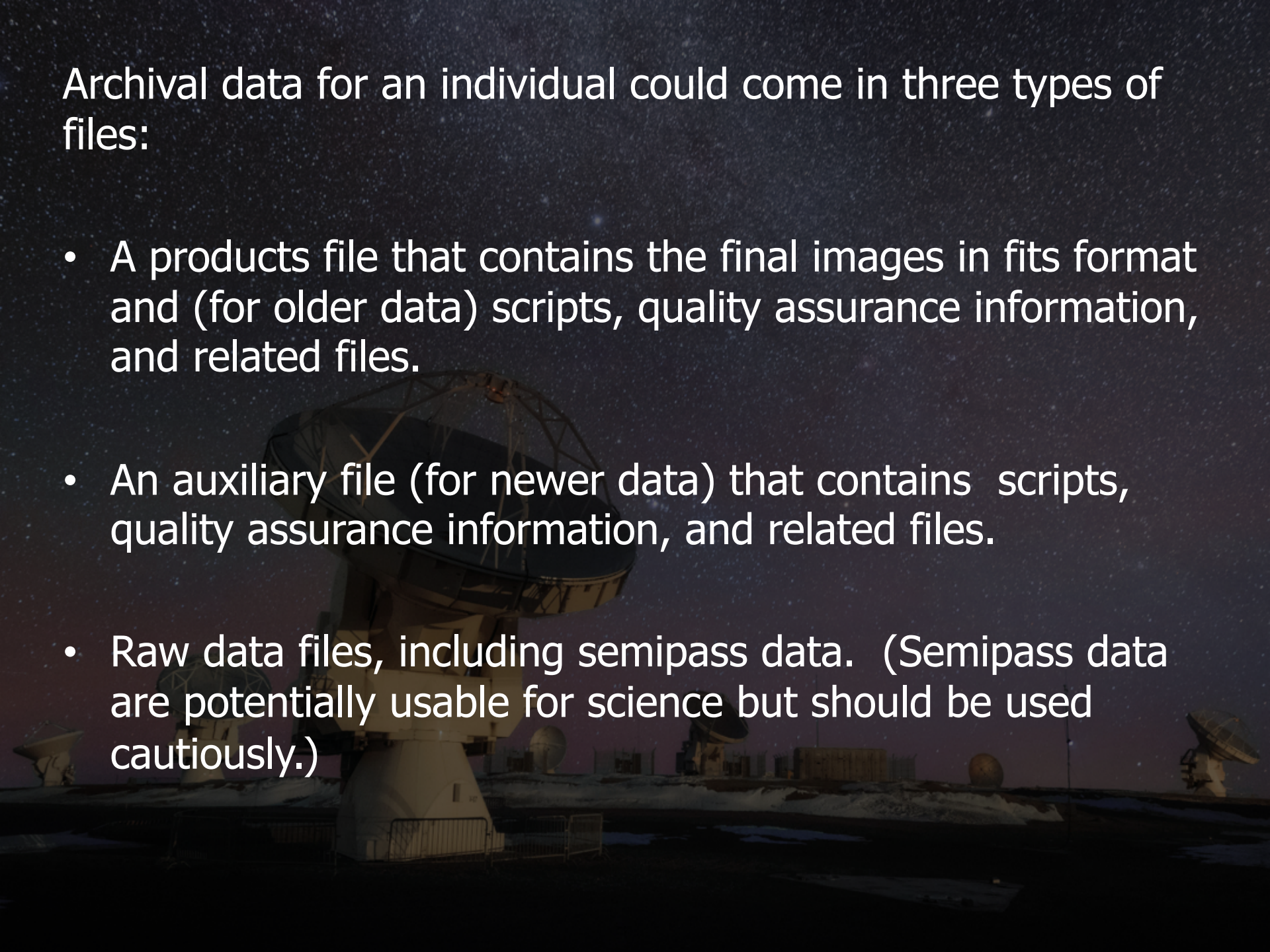
Download Selected

readme product auxiliary raw raw (semipass)

| Project / OUSet / Executionblock | File | Size | Accessible |
|---|---|---------------|------------|
| Request 2145093268107 | | | |
| Project 2012.1.00712.S | | | |
| readme | 2012.1.00712.S.readme.txt | | |
| Science Goal OUS uid://A002/X609170/X14a | | | |
| Group OUS uid://A002/X609170/X14b | | | |
| Member OUS uid://A002/X609170/X14c | | | |
| SB IRAS_16293-2422_B6_1 | | | |
| <input checked="" type="checkbox"/> product | 2012.1.00712.S_uid_A002_X609170_X14c_001_of_001.tar | 441.9MB | ✓ |
| <input checked="" type="checkbox"/> raw | 2012.1.00712.S_uid_A002_X7fb89e_X6e1.asdm.sdm.tar | 25.4GB | ✓ |
| <input type="checkbox"/> raw (semipass) | 2012.1.00712.S_uid_A002_X826a79_X910.asdm.sdm.tar | 22.7GB | ✓ |
| <input checked="" type="checkbox"/> raw | 2012.1.00712.S_uid_A002_X84187d_X1347.asdm.sdm.tar | 25.4GB | ✓ |
| | | Total: 73.9GB | |

Archival data for an individual could come in three types of files:

- A products file that contains the final images in fits format and (for older data) scripts, quality assurance information, and related files.
- An auxiliary file (for newer data) that contains scripts, quality assurance information, and related files.
- Raw data files, including semipass data. (Semipass data are potentially usable for science but should be used cautiously.)



Directory structure after untarring files for a typical dataset:

2000.1.00000.s

 science_goal1.uid___A002_x000000_x1ab

 group.uid___A002_x000000_x1ab

 member.uid___A002_x000000_x1ae

 calibration

 log

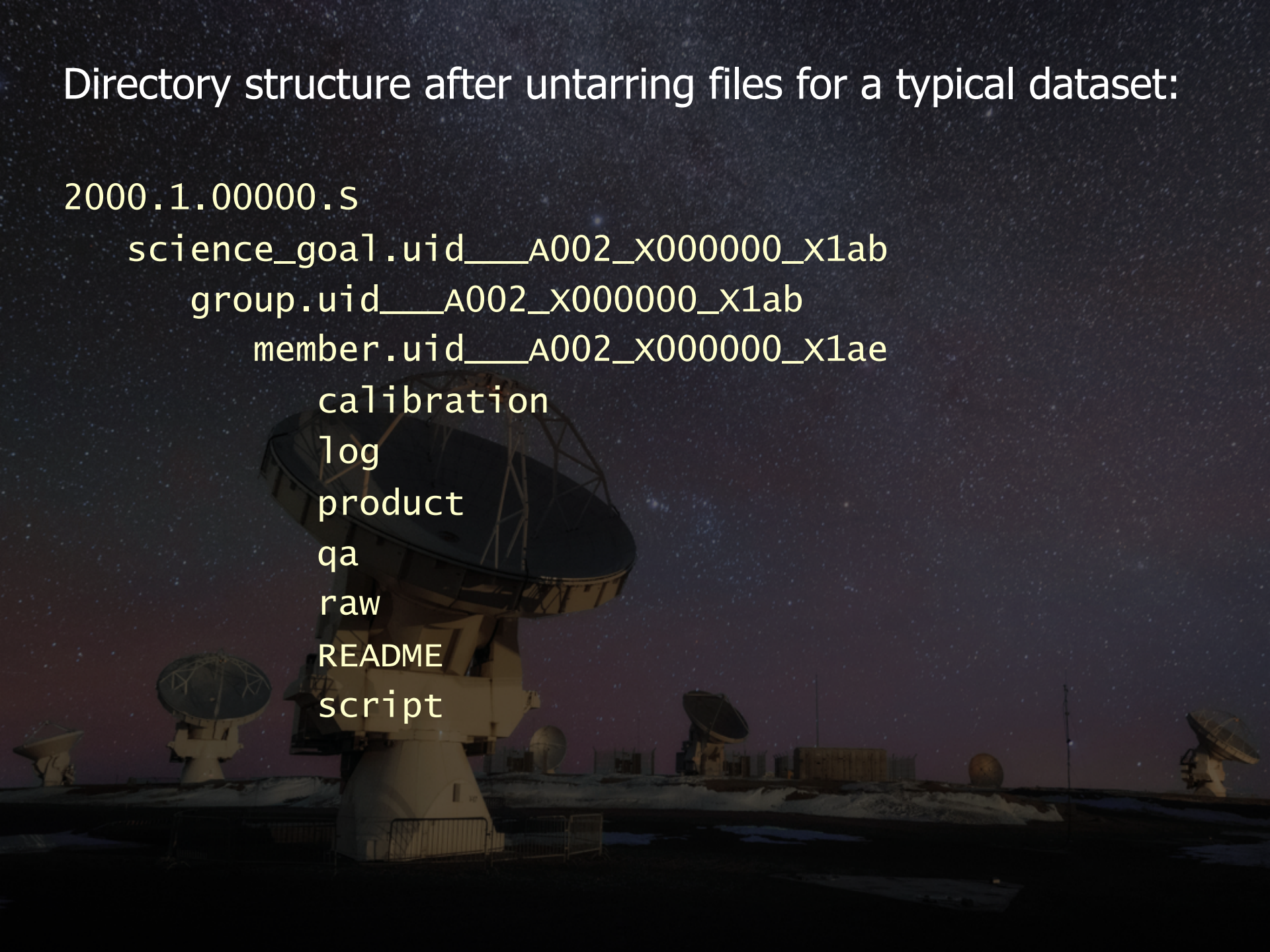
 product

 qa

 raw

 README

 script



Directory contents:

`calibration`: Calibration plots and tables.

`Log`: Log files.

`product`: Fully processed images.

`qa`: Quality assurance data.

`raw`: Raw data (ASDM format).

`README`: Information from calibration and imaging as well as general file information.

`script`: Data processing scripts.

