

# The AIRS TDS DOM GUI Windows

## - Mike's Quick-Look Guide

TLSCF: Team Leader Science Computer Facility

TDS: TLSCF Data System

DOM: Distributed Object Manager

GUI: Graphical User Interface

I refer everyone to the "A Quick Guide to TDS Data Access" (v1.11, edited by Albert Chang)

I am assuming you have set up your environment on 'weather' correctly to include:

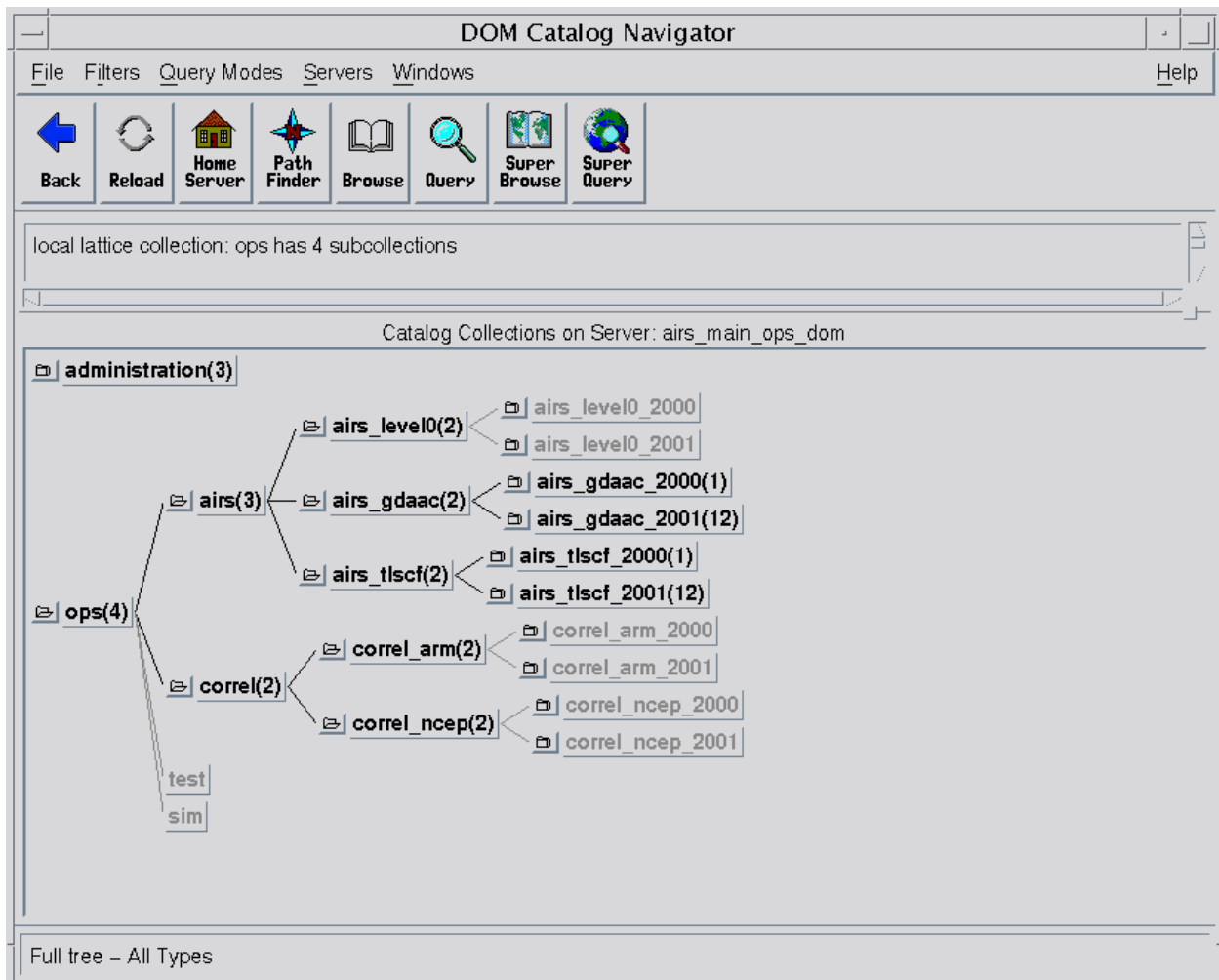
```
setenv PATH ${PATH}:/dom/bin
```

```
setenv LD_LIBRARY_PATH ${LD_LIBRARY_PATH}:/dom/lib
```

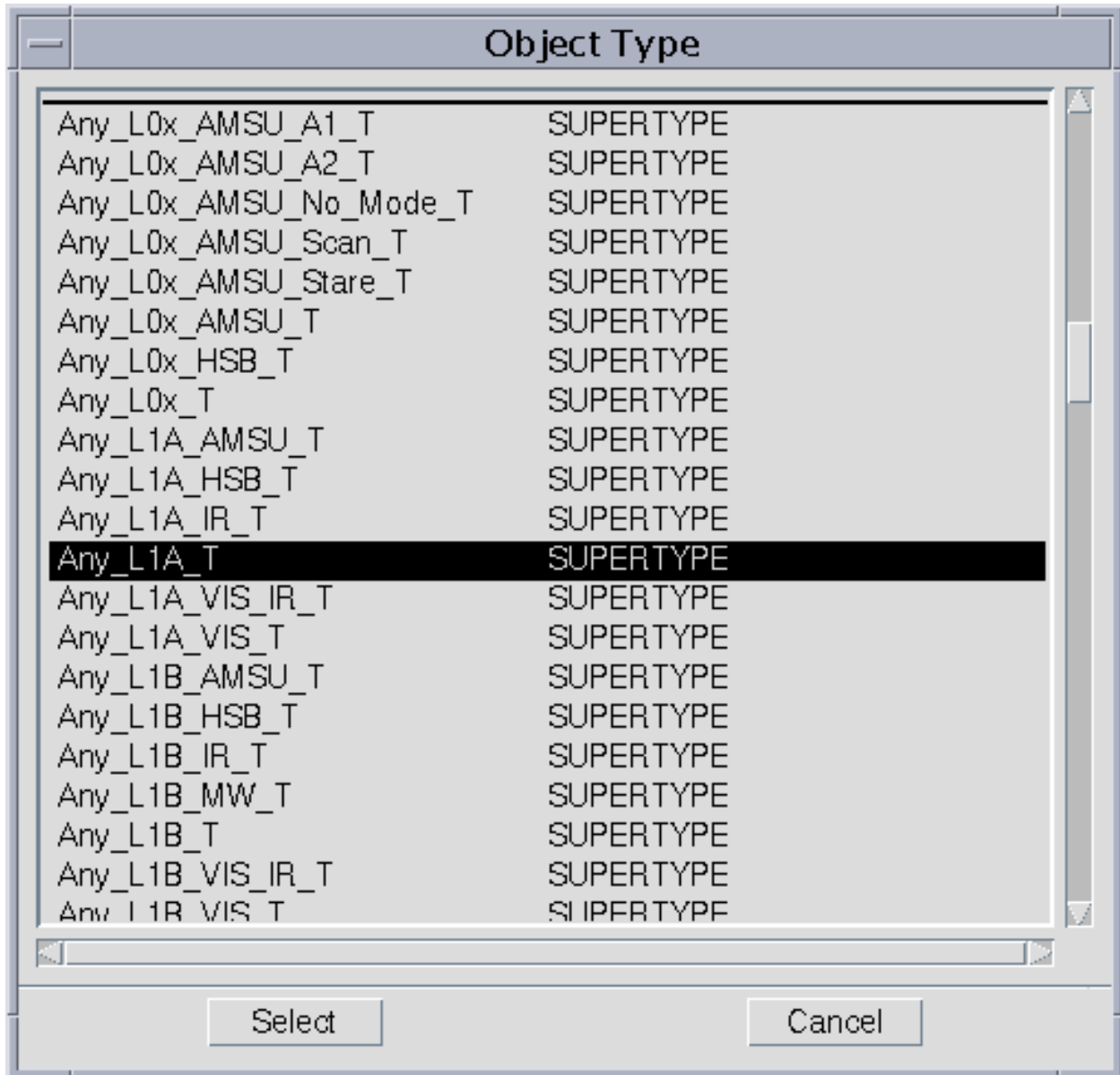
```
setenv CATALOG_SERVER airs-dom:0
```

And that *catnav &* starts you off successfully.

- This is the main DOM Catalog Navigator window providing a topmost hierarchical view of the 'ops' server.
- Clicking on the “folder” symbol will open or close the branches beneath. Clicking on a branch item limits the query/search to that branch or below.
- The main buttons that I use most are “**Query**” and “**SuperQuery**”. The latter limits the search to certain types of products or types. The “**Query**” button sets up the query based on specific catalog metadata.



- The “**Super Query**” option allows you to restrict the query and selection to a specific product (or object) type. Here “**Any\_L1A\_T**” translates as any L1A product type in the catalog. There are many other options allowed in this list to simplify the search.
- Click on your selection(s) and “**Select**”.



- The query builder allows you to submit a query which is as general in construction (as shown) or as specific as needed. If no Keywords are moved to “**Selection**” (select and use the “**Move>>**” button) then all of the “**Keywords**” and their value are displayed. Selecting a few is sometimes helpful.
- The query can be restricted and made conditional by the relational expression. This is a good idea! Remember to complete the entry of a “value” with a carriage return and click on “**Okay**”.
- “**Submit**” the query.

DOM Super Query Builder (for type Any\_L1A\_T)

Define DQL query for objects of type Any\_L1A\_T across collection tree under selected collection

Keywords

FILE\_NAME  
BaselineFlag  
VersionID  
ProductionDatetime  
DOMContainerDate  
UTC\_start\_time  
UTC\_stop\_time  
RangeEndingDate  
RangeEndingTime  
RangeBeginningDate  
RangeBeginningTime

Move>>

Selection

<<Move

Relational Expression

Keyword Operator Value ... Okay Clear

Expression Display

Logical Expression

Delete Negate Limit Criteria

Limit Criterion

Min Max Delete

Sort Order

Keyword... Delete All

DQL Query Expression

```
select *
from [any of type = Any_L1A_T]
```

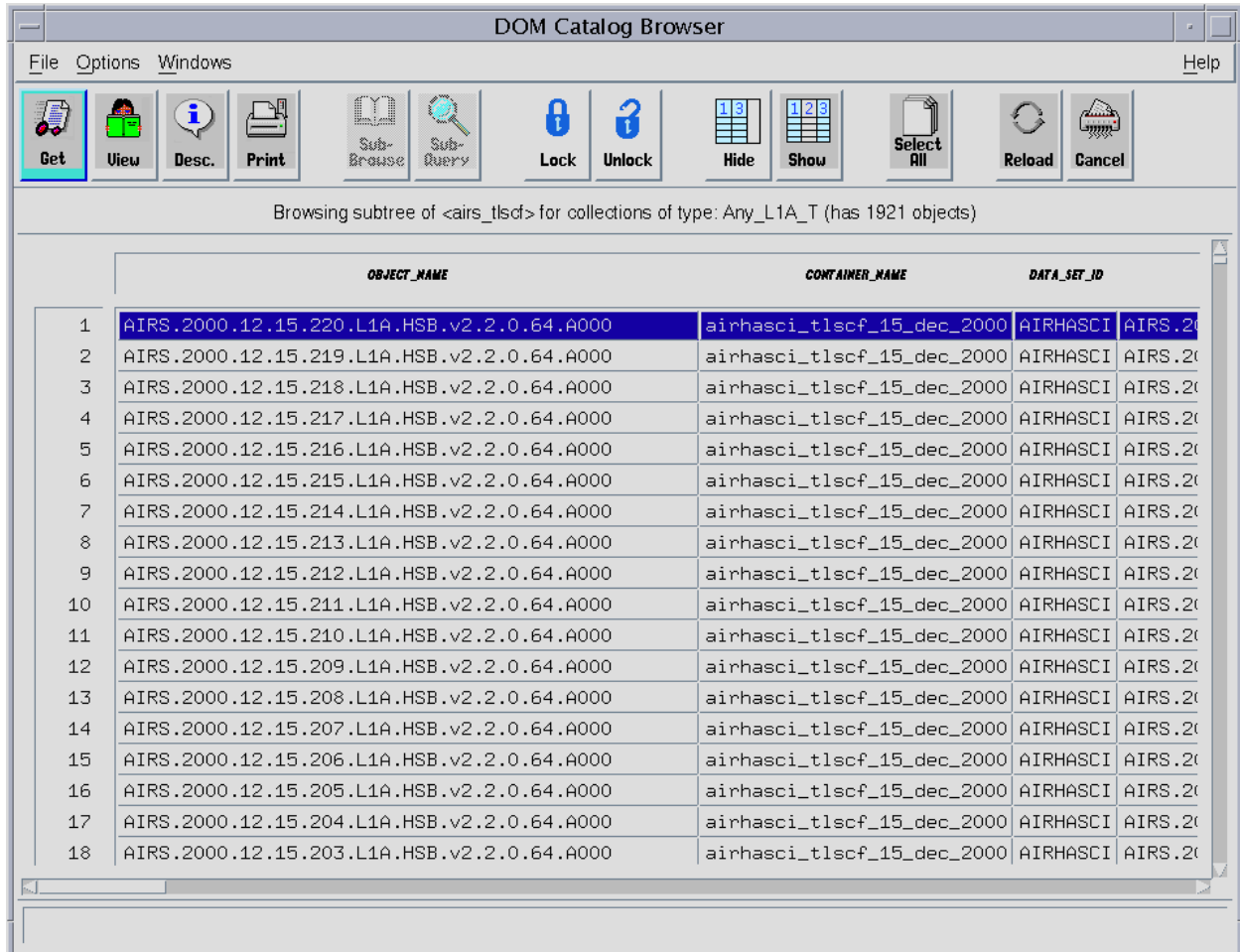
Edit Revert Save Choose Submit Cancel Help

- Results of the search including values for all “**Keywords**” selected for display. Displayed here are the object or file name, the “**CONTAINER\_NAME**” (equivalent to the branch of the DOM catalog where the object is found), and the “**DATA\_SET\_ID**” (AIRS uses the ESDT for the file type).
- Obviously the scroll bars allow you to move around this table of results. This general query has found many objects.

Browsing subtree of <airs\_tlscf> for collections of type: Any\_L1A\_T (has 1921 objects)

	OBJECT_NAME	CONTAINER_NAME	DATA_SET_ID
1	AIRS.2000.12.15.220.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
2	AIRS.2000.12.15.219.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
3	AIRS.2000.12.15.218.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
4	AIRS.2000.12.15.217.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
5	AIRS.2000.12.15.216.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
6	AIRS.2000.12.15.215.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
7	AIRS.2000.12.15.214.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
8	AIRS.2000.12.15.213.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
9	AIRS.2000.12.15.212.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
10	AIRS.2000.12.15.211.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
11	AIRS.2000.12.15.210.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
12	AIRS.2000.12.15.209.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
13	AIRS.2000.12.15.208.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
14	AIRS.2000.12.15.207.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
15	AIRS.2000.12.15.206.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
16	AIRS.2000.12.15.205.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
17	AIRS.2000.12.15.204.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20
18	AIRS.2000.12.15.203.L1A.HSB.v2.2.0.64.A000	airhasci_tlscf_15_dec_2000	AIRHASCI AIRS.20

- If you click on the left side to highlight an object (the whole line should be highlighted!), then use the “Desc.” button to provide a view of all the metadata in the catalog for that object.
- Note we do not have a “View” tool built in for these objects yet.



- Using the “**Desc.**” capability provides a listing of the catalog metadata contents. This is really useful for a quick look at the product or learning the metadata

## Object Description

DataObject Name: AIRS.2000.12.15.220.L1A.HSB.v2.2.0.64.A000  
sequence no. 240 in container collection airhasci\_tlscf\_15\_dec\_2000 of type L1A\_HSB\_

OBJECT\_NAME = "AIRS.2000.12.15.220.L1A.HSB.v2.2.0.64.A000"  
TYPE\_NAME = "L1A\_HSB\_T"  
CONTAINER\_NAME = "airhasci\_tlscf\_15\_dec\_2000"  
DATA\_SET\_ID = "AIRHASCI"  
CollectionType = "tlscf"  
ShortName = "AIRHASCI"  
dir\_path = "/dom/files/ops/airs/tlscf/2000/12/15/airhasci"  
AIRSGranuleCycleNumber = 0  
AIRSGranuleNumber = 220  
AutomaticQualityFlag = "Passed"  
AutomaticQualityFlagExplanation = "Based on percentage of product that is good. Suspe  
BaselineFlag = "yes"  
DOMContainerDate = '2000-12-15'  
DayNightFlag = "Day"  
EastBoundingCoordinate = -52.480461  
EquatorCrossingDate = '2000-12-15'  
EquatorCrossingLongitude = 58.269264  
EquatorCrossingTime = 21:33:42.413672Z  
FILE\_NAME = "AIRS.2000.12.15.220.L1A.HSB.v2.2.0.64.A000"  
JobID = "PgeL1a\_HSB.20010906.175734"  
LatGranuleCen = -73  
LocTimeGranuleCen = 286  
LocalGranuleID = "AIRS.2000.12.15.220.L1A.HSB.v2.2.0.64.A000"  
LocalVersionID = "Unspecified"  
LonGranuleCen = -100  
NodeType = "Ascending"  
NorthBoundingCoordinate = -59.713245  
NumBadData = 0  
NumFpe = 0  
NumGeoQA = 0  
NumLandSurface = 5493  
NumMissingData = 0  
NumOceanSurface = 6386  
NumProcessData = 135  
NumSpecialData = 0

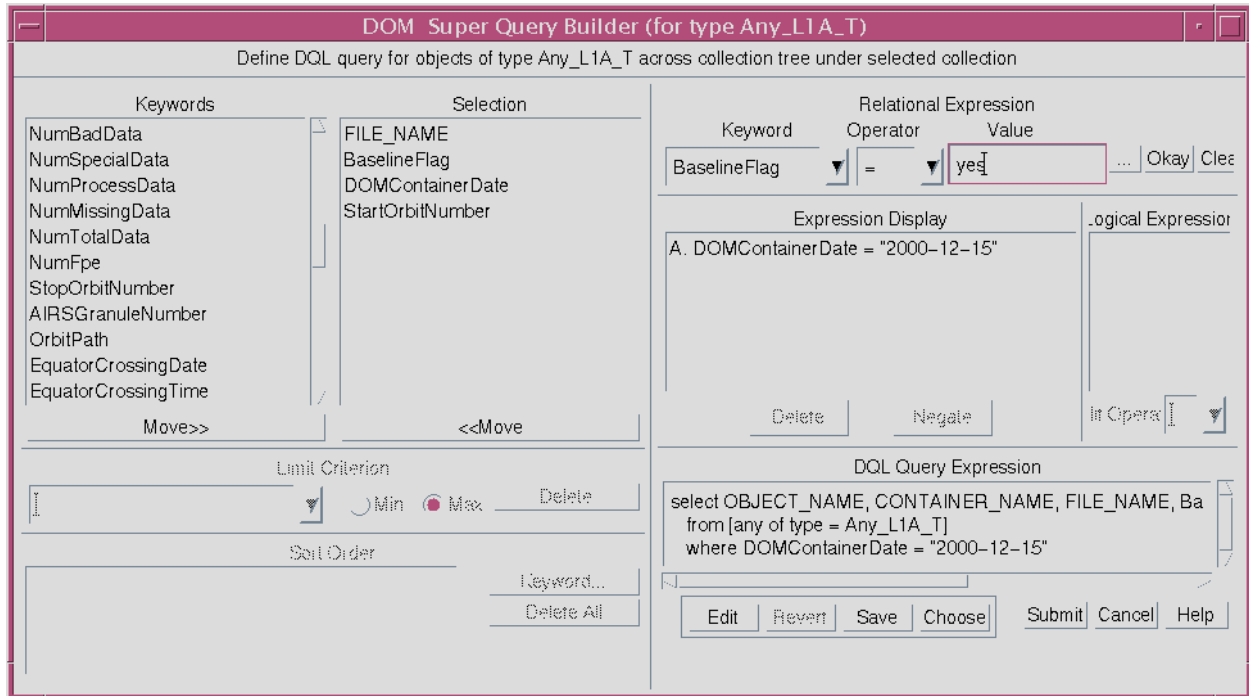
Print

Clear

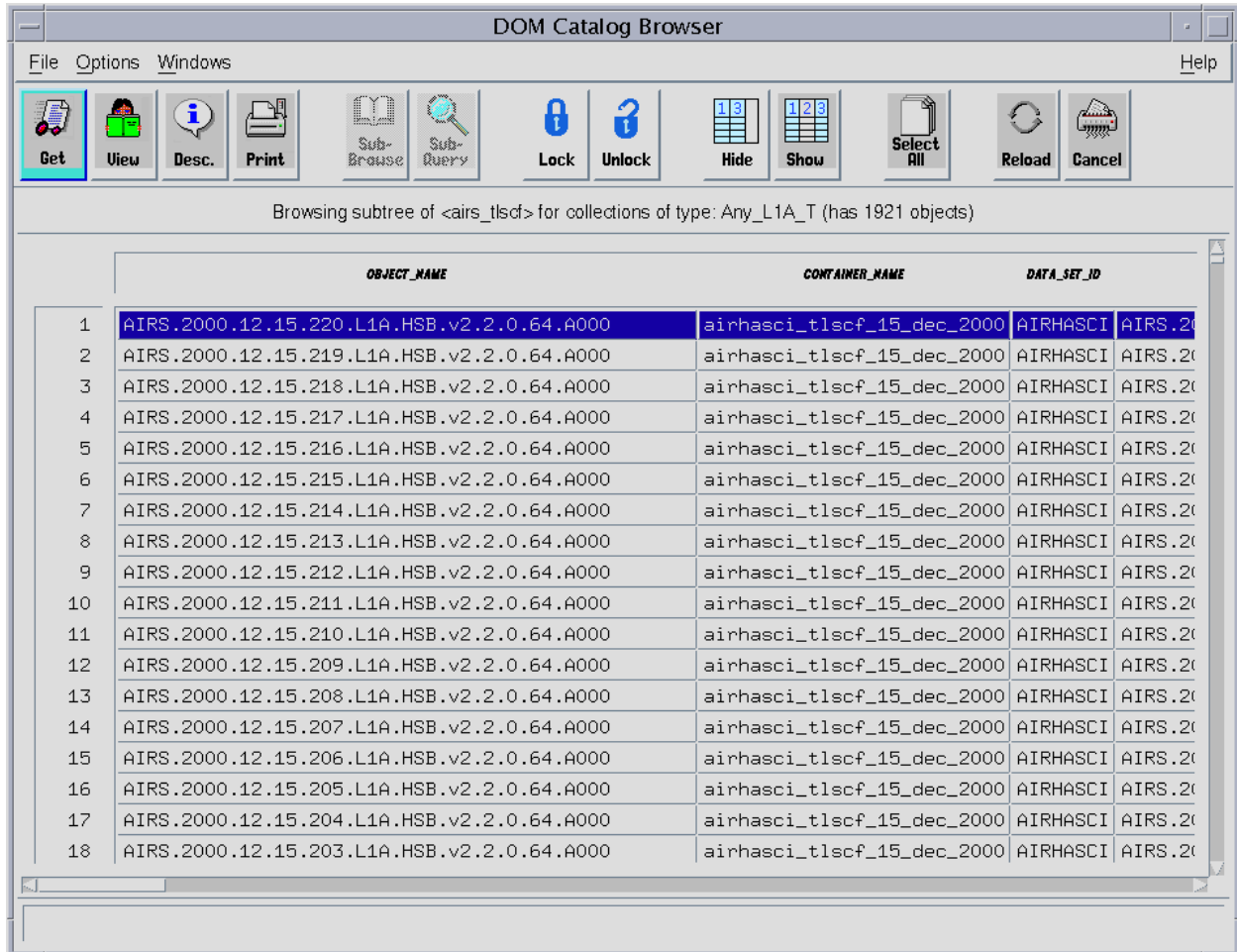
Close



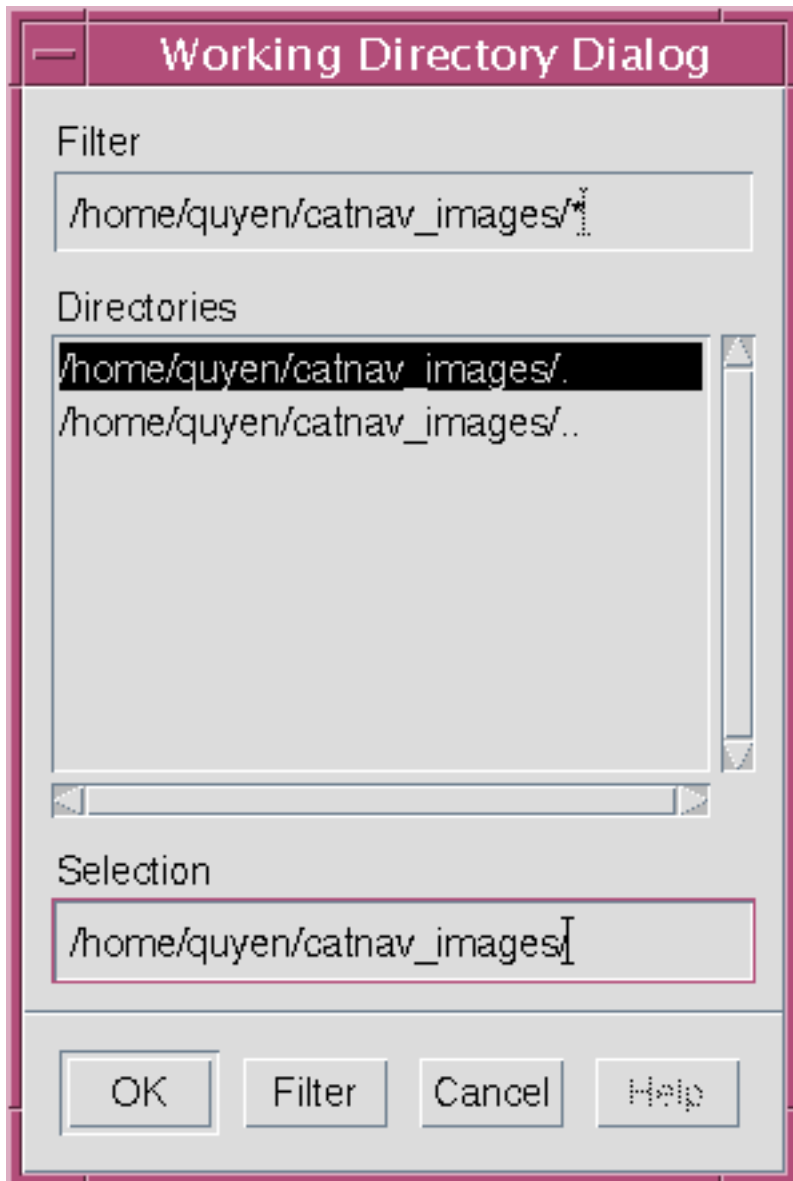
- An example of how the search can be narrowed by building a query using relational expressions, and limiting the resulting display too selected “**Keywords**”.



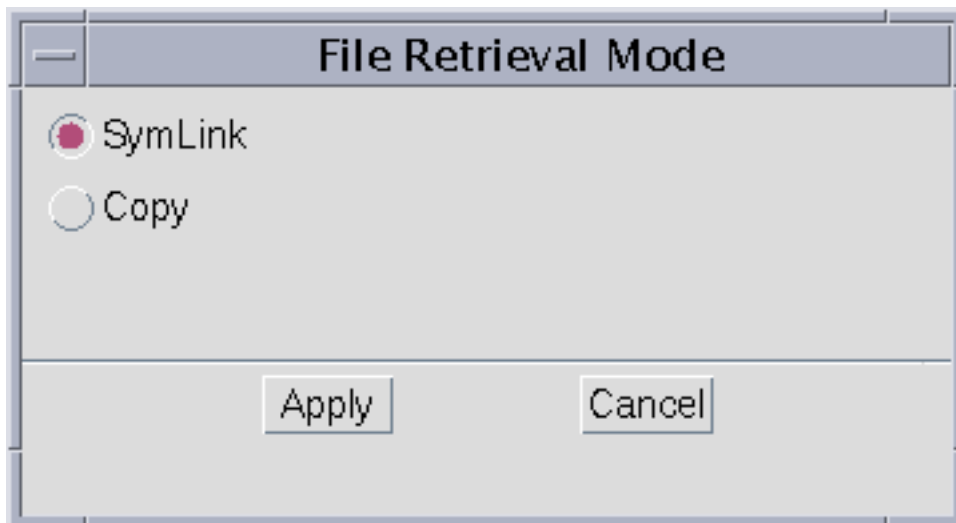
- Back to the selection example. If the highlighted file (and note you could “**Select All**”) is the object of your desire, you can “**Get**” the object.



- You can select the directory where the files appear under the “**File**” option on the top bar.



- There are two modes for “getting” the file or object. Getting either places a symbolic link or a copy in your directory. You can toggle between the two under “**File**” on the top bar and then through this window below.



**IF YOU COPY THE FILE OVER REMEMBER TO DELETE IT WHEN YOU ARE FINISHED.  
MANY OF THE FILES ARE LARGE!**

