This module uses a standard directory layout, rooted at the environmental variable E2EROOT. This allows various and mirrored copies of archives to be used. However, the subdirectory structure must be as expected.

archive Archive root

archive/catalogs Catalogs

archive/catalogs/TELESCOPE Catalogs for telescope TELESCOPE

archive/data Original (and untouched) data

archive/data/TELESCOPE Data for telescope TELESCOPE. This directory and below have telescope-dependent contents to reflect the differing nature of data from various telescopes.

archive/data/VLA/tapes Data tape images for the VLA.

archive/results Results from processing

archive/results/projects Results from processing for projects

archive/results/projects/PROJECT Results from processing for project PROJECT. All results must be indexed by a file PROJECT.html or PROJECT.xml.

archive/results/calibrators Calibrator source list

processing Processing area root. This has little substructure as yet.

Tools

e2ecatalogs	Tool for constructing catalogs for e2e processing
e2echromepipe	Connects glish to a web server
e2edisplayutils	Helper tool for e2e processing
e2eimagingutils	Helper tool for e2e processing
e2emakefiles	Tool for makefiles for e2e processing
e2emsutils	Helper tool for e2e processing
e2epipeline	Tool for pipeline processing
e2epipelineutils	Helper tool for e2e processing
e2epublish	Tool for publishing results of e2e processing
e2estandards	Tool for providing standards for e2e processing
mscatalog	Tool for constructing catalogs of MeasurementSets

1.3.1 mscatalog - Tool

Package nrao
Module e2e

Tool for constructing catalogs of MeasurementSets
include "mscatalog.g"

Description

This is experimental and under rapid development: please do not use!
The NRAO End-to-End project (e2e) has the goal of providing end-to-end processing of data from telescopes. This is being developed for NRAO telescopes (VLA, VLBA, GBT, EVLA), but is being designed for general use.

Constructors

mscatalog	Construct an mscatalog tool

Functions

done	Done the tool
makeindex	Construct an index for the MeasurementSet
write	Write the catalog information as either SQL or an AIPS++ table

mscatalog - Constructor

Package	**nrao**
Module	**e2e**
Tool	**mscatalog**

Construct an mscatalog tool

Synopsis
mscatalog(msname, catalogname)

Description
This constructs an mscatalog for a given MeasurementSet. This returns a Glish variable containing the tool functions of mscatalog. The tools may then be used to construct an index and write out the results.

Arguments

msname	Name of MeasurementSet Allowed:String
catalogname	Name of catalog to be written Allowed:String Default: MSCATALOG

Returns
mscatalog tool

Example

```
m:=mscatalog('3C273XC1.MS')
m.makeindex()
m.write(/tables');
m.done();
```

---

mscatalog.makeindex - Function

Package	**nrao**
Module	**e2e**
Tool	**mscatalog**

Construct an index for the MeasurementSet

Synopsis
makeindex()

Description
The SCAN_NUMBER column is filled with a guess at scan numbers.

Returns
Bool

---

mscatalog.write - Function

Package	**nrao**
Module	**e2e**
Tool	**mscatalog**