art - Support #18887

art/Utilities/LinuxProcMgr treats non-fatal (transient) errors (e.g. EINTR) as fatal.

02/05/2018 11:39 AM - Christopher Green

Status:	Closed		**Start date:**	02/05/2018
Priority:	Normal		**Due date:**	
Assignee:	Kyle Knoepfel		**% Done:**	100%
Category:	Infrastructure		**Estimated time:**	0.00 hour
Target version:	2.10.03		**Spent time:**	2.00 hours
Scope:	Internal		**SSI Package:**	art
Experiment:	-			

Description

Under heavy load, an art job is likely to throw an exception of the form

```
%MSG-s ArtException:  Raw2HDF5:raw2hdf5@EndJob 03-Feb-2018 07:34:44 CST  ModuleEndJob
cet::exception caught in art
---- OtherArt BEGIN
  ---- Configuration BEGIN
    Failed to open: cat /proc/21650/status
  ---- Configuration END
  ---- OtherArt BEGIN
    ---- Configuration BEGIN
      Failed to open: /proc/21650/stat for schedule: 0
    ---- Configuration END
  ---- OtherArt END
---- OtherArt END
%MSG
```

The code should check for transient errno errors and loop as appropriate. See (e.g.) the read(2) man page for details.

History

#1 - 02/12/2018 11:25 AM - Kyle Knoepfel

- Status changed from Accepted to Assigned

- Assignee set to Kyle Knoepfel

#2 - 02/16/2018 02:07 PM - Kyle Knoepfel

- Tracker changed from Bug to Support

- Category set to Infrastructure

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

- SSI Package art added

After discussion, it was deemed sufficient to report the value of errno upon a file-open failure.

Implemented with commit art:c28eff0.

#3 - 02/19/2018 03:08 PM - Kyle Knoepfel

- Target version set to 2.10.03

#4 - 02/19/2018 03:08 PM - Kyle Knoepfel

- Status changed from Resolved to Closed