art - Feature #4356

Document the pattern that artdaq applications should use to correctly handle signals [ds50daq-related]

07/17/2013 10:00 AM - Kurt Biery

Status:	Closed		**Start date:**	07/17/2013
Priority:	High		**Due date:**	07/31/2013
Assignee:	Christopher Green		**% Done:**	100%
Category:	Documentation		**Estimated time:**	0.00 hour
Target version:			**Spent time:**	1.00 hour
Scope:	External		**SSI Package:**	
Experiment:	DarkSide			

Description

Here is my interpretation of what we have discussed recently:

Document the pattern that should be used by executables that run art in a thread as part of a broader application and investigate whether existing artdaq/ds50daq executables are currently following this pattern. The goal is to have "signal handling within artdaq/ds50daq executables consistent and sufficient to lead to an orderly shutdown of the executables (including any art threads) as quickly as possible". [quote from an email from Chris]

This is connected to Issue [#4353](#) in the ds50daq project.

Related issues:

Related to ds50daq - Feature #4353: Ensure that disk files always get closed ...	**New**	07/17/2013	07/31/2013
Related to art - Bug #4458: art::shutdown_flag should be atomic	**Closed**	10/10/2013	10/10/2013
Related to art - Necessary Maintenance #4459: Signal handling should be revie...	**Accepted**		09/30/2013
Related to art - Feature #4355: Document and verify the signal handling withi...	**Closed**	07/17/2013	07/31/2013
Related to artdaq - Bug #4083: Need to verify signal masking in multi-thread ...	**Closed**	06/12/2013	

History

#1 - 07/31/2013 10:59 AM - Christopher Green

- Category set to Documentation

- Status changed from New to Resolved

- % Done changed from 0 to 100

- Scope set to External

- Experiment DarkSide added

The advice is subject to change as the facilities in art are improved, but is documented at Signal_handling_in_art.

#2 - 08/09/2013 11:43 AM - Christopher Green

- Status changed from Resolved to Closed