

## artdaq Utilities - Feature #20713

### Add support for the RootDAQOut output module in DAQInterface bookkeeping

08/30/2018 12:47 PM - Kurt Biery

<b>Status:</b>	Resolved	<b>Start date:</b>	08/30/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Freeman	<b>% Done:</b>	100%
<b>Category:</b>	artdaq-daqinterface	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	artdaq_daqinterface v3_03_01	<b>Spent time:</b>	0.00 hour
<b>Experiment:</b>	-	<b>Co-Assignees:</b>	
<b>Description</b>			
<p>I noticed that when I tried to use the RootDAQOut output module (which is an artdaq extension of the RootOutput module), my artdaq-demo raw data files were being written to /tmp, even though I had specified a data_directory_override in my DAQInterface settings file.</p> <p>I realized that this is because DAQInterface bookkeeping was using the exact "RootOutput" string when searching for the section of FHiCL to bookkeep.</p> <p>I modified rc/control/bookkeeping.py and rc/control/utilities.py to support both RootOutput and RootDAQOut and committed those changes to the feature/Support_RootDAQOut branch in the artdaq-utilities-daqinterface repository.</p>			

#### History

##### #1 - 08/30/2018 12:48 PM - Kurt Biery

- Status changed from Assigned to Resolved
- Assignee changed from Kurt Biery to John Freeman

At this point, the code changes are ready for review and possible merging into the develop branch.

##### #2 - 09/06/2018 02:48 PM - John Freeman

- % Done changed from 0 to 100

Now at the HEAD of DAQInterface's develop branch, commit 3996c406df83bb5f922b33e26ead316cee41d045, the RootDAQOut improvements have been merged in. At the HEAD, RootDAQOut has supplanted RootOutput as the module used by DataLogger1.fcl in the demo configuration. Despite this change, the output \*.root file was correctly written to the directory specified by the data\_directory\_override parameter in the file referred to by \$DAQINTERFACE\_SETTINGS. This statement is based on my run 1328 on mu2edaq01:

```
/home/jcfree/run_records/1328  
/home/jcfree/daqdata/artdaqdemo_r001328_sr01_20180906T193929_1_dl3.root
```

##### #3 - 10/12/2018 12:50 PM - Eric Flumerfelt

- Project changed from artdaq to artdaq Utilities
- Category set to artdaq-daqinterface
- Target version set to artdaq\_daqinterface v3\_03\_01