

## MAUS - Bug #1416

### ROOT file corruption

12 February 2014 06:39 - Rogers, Chris

<b>Status:</b>	Rejected	<b>Start date:</b>	12 February 2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Rogers, Chris	<b>% Done:</b>	0%
<b>Category:</b>	Data Structure	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Future MAUS release		
<b>Workflow:</b>	New Issue		
<b>Description</b>			
<p>File corruption and error. This <i>may</i> be related to running out of disk space, but it would be nice if MAUS could catch the error and bail. At the moment we make an unusable ROOT file which causes a big memory leak in my analysis (it is killing my analysis script)</p> <pre>Error in &lt;TBranchElement::Fill&gt;: Failed filling branch:_spill, nbytes=-1 Error in &lt;TBranchElement::Fill&gt;: Failed filling branch:data._spill, nbytes=-1 Error in &lt;TTree::Fill&gt;: Failed filling branch:Spill.data, nbytes=-1, entry=100 This error is symptomatic of a Tree created as a memory-resident Tree Instead of doing:     TTree *T = new TTree(...)     TFile *f = new TFile(...) you should do:     TFile *f = new TFile(...)     TTree *T = new TTree(...)</pre>			

### History

#### #1 - 12 February 2014 06:52 - Rogers, Chris

Two options I can see:

- We catch ROOT errors somehow and throw them as MAUS::Exception, which will catch all ROOT errors
- For this specific error, probably it's possible to detector TTree->GetDirectory(0) which means the tree is resident "in memory"; if so, we throw...

#### #2 - 19 June 2014 12:43 - Rogers, Chris

- Status changed from Open to Rejected

Too tricky...