

## VisIt - Bug # 368: Streamline plot crashes engine with h5nimrod data

<b>Status:</b>	Pending	<b>Priority:</b>	Normal
<b>Author:</b>	Kathleen Biagas	<b>Category:</b>	
<b>Created:</b>	08/27/2010	<b>Assigned to:</b>	
<b>Updated:</b>	10/05/2010	<b>Due date:</b>	
<b>Likelihood:</b>	3 - Occasional		
<b>Severity:</b>	4 - Crash / Wrong Results		
<b>Found in Version:</b>	trunk		
<b>OS:</b>	All		
<b>Support Group:</b>	DOE/SciDAC		
<b>Subject:</b>	Streamline plot crashes engine with h5nimrod data		
<b>Description:</b>	<p>Originally reported by Guoning Chen when I asked for clarification on issue #355.</p> <p>With 2.0.1 on windows, a default Streamline plot of variable B from phi.h5nimrod yields no data. Changing to using a plane source yields a plot.</p> <p>With trunk, a default Streamline plot crashes the engine.</p> <p>Performed a few tests on Linux:</p> <p>With trunk version on Linux, a default Streamline plot yields no data, changing to using a plane source yields no data.</p> <p>Changing the plane parameters appears to hang VisIt, but checking the engine logs, the engine SEGV'd.</p> <p>I haven't tested with any other data formats.</p>		

### History

#### 09/14/2010 04:28 pm - Eric Brugger

- Status changed from New to Pending
- Support Group changed from Any to DOE/SciDAC

#### 10/05/2010 01:17 pm - Kathleen Biagas

This happens with silo data, too.

On Windows, I ran through the debugger, and Visual Studio complains about a Run-Time check error, stack corruption, occurring in `avtCellLocatorBIH, celltree_builder::split` routine.

#### 10/05/2010 03:41 pm - Kathleen Biagas

- File `Streamline_test_disassembly_celltree_builder_split.txt` added

I've attached the sample silo file, and Windows debugger output, callstack and disassembly. Hope something here helps.

#### 10/05/2010 03:42 pm - Kathleen Biagas

- File `Streamline_test_debugger_output.txt` added
- File `Streamline_test_callstack.txt` added
- File `Station_012000.silo` added

### Files

<code>Streamline_test_disassembly_celltree_builder_split.txt</code>	4.4 KB	10/05/2010	Kathleen Biagas
<code>Streamline_test_debugger_output.txt</code>	8.1 KB	10/05/2010	Kathleen Biagas
<code>Streamline_test_callstack.txt</code>	4.7 KB	10/05/2010	Kathleen Biagas

