GammaLib - Bug #1746

XML test report not written in case of exception

03/16/2016 11:49 PM - Knödlseder Jürgen

Status:	Closed		**Start date:**	03/16/2016
Priority:	High		**Due date:**	
Assigned To:	Knödlseder Jürgen		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	1.1.0			

Description

If an exception occurs in a unit test, the test report is not written and the following in displayed on the screen:

Traceback (most recent call last):
  File "<string>", line 1, in <module>
  File "/usr/local/gamma/lib/python2.6/site-packages/cscripts/__init__.py", line 83, in test
    test_python_cscripts.test(installed=True)
  File "/usr/local/gamma/lib/python2.6/site-packages/cscripts/tests/test_python_cscripts.py", line 99, in test
    suites.save("cscripts.xml")
  File "/usr/local/gamma/lib/python2.6/site-packages/gammalib/test.py", line 262, in save
    return _test.GTestSuites_save(self, *args)
RuntimeError: *** ERROR in GXmlAttribute::value(std::string): Invalid XML attribute value: *** ERROR in GPythonTestSuite::test:
 <type 'exceptions.RuntimeError'>
*** ERROR in GCaldb::path(std::string&, std::string&): Directory "caldb/data/cta" not found. Requested mission "CTA" not found in
 calibration database.

It looks as if the XML attribute has an invalid value.

History

#1 - 03/17/2016 12:19 AM - Knödlseder Jürgen

It looks like the problem is related to the code in GXmlAttribute::value(std::string value) that attempts adding hyphens around the XML code. This code is probably obsolete since the GXmlAttribute::write(GUrl& url) method writes the value using the gammalib::str2xml(value) function that converts all hyphens into special characters:


```
  // Get value without quotation marks
  std::string value = m_value.substr(1, m_value.length()-2);

  // Convert value to XML format
  value = "\""+gammalib::str2xml(value)+"\"";

  // Write attribute into URL
  url.printf(" %s=%s", m_name.c_str(), value.c_str());
```


Probably the best thing would be to store the value without hyphens. GXmlAttribute::value(std::string value) should eventually strips leading and trailing hyphens before storing the value.

#2 - 05/30/2016 11:59 PM - Knödlseder Jürgen

- Assigned To set to Knödlseder Jürgen

- Priority changed from Normal to High

- Target version set to 1.1.0

#3 - 06/03/2016 12:07 AM - Knödlseder Jürgen

- Status changed from New to Closed

I changed the logic in the GXmlAttribute class so that the hyphens are no longer stored but stripped upon construction, and put back when the write() method is called. The value() methods get and set the attribute without any hyphens.

This logic, which needed a few minor further code adjustments, now leads to a proper recording of unit test exceptions in the XML report.

Changed merged into devel.