Plan Document
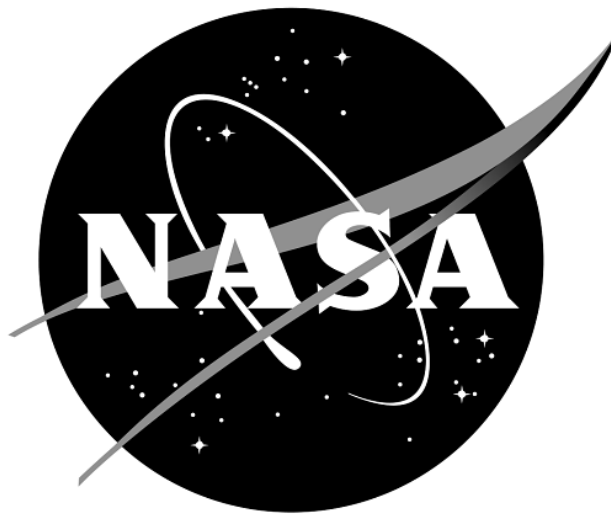
NASA Planetary Data System

PDS 2010 System

Build 3a Test Procedures & Report

No index entries found.**Change Log**

Revision	Date	Description	Author
Draft		Initial draft release.	
1c	May 16, 2011	Modified many tests to work with build 1c of Harvest and Registry. Other minor revisions.	Richard Chen
1d	Oct 24, 2011	Updated for build 1d	Richard Chen
2a	Nov 11, 2011	Updated for build 2a	Richard Chen
2b	Feb 28, 2012	Updated for build 2b	Richard Chen
2b.1	Mar 7, 2012	Re-added HVT.T3, expanded SCH.T5	Richard Chen
2c	Jul 17, 2012	Updated for build 2c	Richard Chen
3a	Oct 26, 2012	Added BNDL.T1 to .T4	Richard Chen

Contents

1 Introduction

1.1 Purpose and Scope

This software system test documents specific test procedures and reports test steps and results of the system level tests that demonstrate the PDS 2010 system deployed for Build 3a. It verifies that PDS 2010 system Build 3a is compliant with Build 3 requirements, and ensures that the system functions are without critical defects. Test Traceability Matrix can be found in the PDS 2010 Build 3a Test Plan Section 4.

For PDS 2010 Build 3a, the following Prototype Software will be deployed at the EN:

- Registry

- Ingest: Harvest, Catalog

- Preparation: Core, Design, Generate, Transform, Validate

- Report

- Search: Core, Service, User Interface

- Security

- Storage

- Transport

In future tests, the following Prototype Software will be deployed at the Discipline Nodes:

- Registry, Ingest, Preparation, Report

Detailed prototype release description document will be generated to facilitate and to detail the deployment activities.

Test resource will include EN developer to support unit testing, and Integration Team (which consists of EN and Node staff) to perform integration testing.

1.2 Document Revision

Revisions of this document will be held in the PDS Engineering Node website through the use of its document history functionality. Previous versions of this document can be accessed through the use of that tool.

1.3 Applicable Documents

1.3.1 Controlling Documents

[1] Planetary Data System Strategic Roadmap 2006 - 2016, February 2006.

[2] Planetary Data System Level 1, 2 and 3 Requirements, August 2006.

1.3.2 Referenced Documents

[3] PDS 2010 Project Plan, March 2010.

[4] PDS 2010 Operations Concept, March 2010.

[4] System Architecture Specification, May 2010.

[5] General System Requirements, June 11, 2011.

[6] Service Software Requirements and Design, for the following:

- o Registry Service, June 11, 2011
- o Harvest Tool, July 20, 2011
- o Security Service, June 11, 2011
- o Report Service, June 12, 2011
- o Preparation Tools, June 15, 2011
- o Search Service, June 12, 2011

[7] PDS 2010 Build 3 Test Plan, October 2012.

2 Executive Summary

2.1 Assessment

The tools and services tested here work with the versions specified. However, changes to them and/or the information model broke tests that worked previously, and that is very likely to happen again.

2.2 Major Findings

All tested tools and services worked as described in the Service Software Requirements and Design documents above.

2.3 Success

Tools and services performed as documented.

2.4 Metrics

This section provides a summary of the test metrics

# of tests performed	# of tests passed	# of tests failed	# of high priority anomalies
29	29	1	0

3 Test Procedures

The following section lists procedures and results for the test cases identified as the suite of "PDS 2010 Build 3 system tests" in the PDS 2010 Build 3 Test Plan Section 3. These tests will be run as necessary to re-test the system after any software changes.

The test procedures assume the following software are installed locally:

- an XML-friendly web **browser**, e.g. firefox
- **curl**, a command-line utility to access a URL, used here to manipulate a registry. The Registry Service Guide has more information. This is native to most versions of unix.
- an **XML editor**, e.g. eclipse. This can be skipped, though not recommended.
- **Harvest**, http://pds-engineering.jpl.nasa.gov/pds2010/development/3.0.0/ingest/harvest
- **Validate**, http://pds-engineering.jpl.nasa.gov/pds2010/development/3.0.0/preparation/validate
- **Generate**, http://pds-engineering.jpl.nasa.gov/pds2010/development/3.0.0/preparation/generate
- **Catalog**, http://pds-engineering.jpl.nasa.gov/pds2010/development/3.0.0/ingest/catalog
- **Search**, http://pds-engineering.jpl.nasa.gov/pds2010/development/3.0.0/search

The **Registry**, http://pds-engineering.jpl.nasa.gov/pds2010/development/3.0.0/registry/registry-service/, can reside remotely or locally, controlled or uncontrolled. Local installation makes testing easier, but installation and configuration can be difficult.
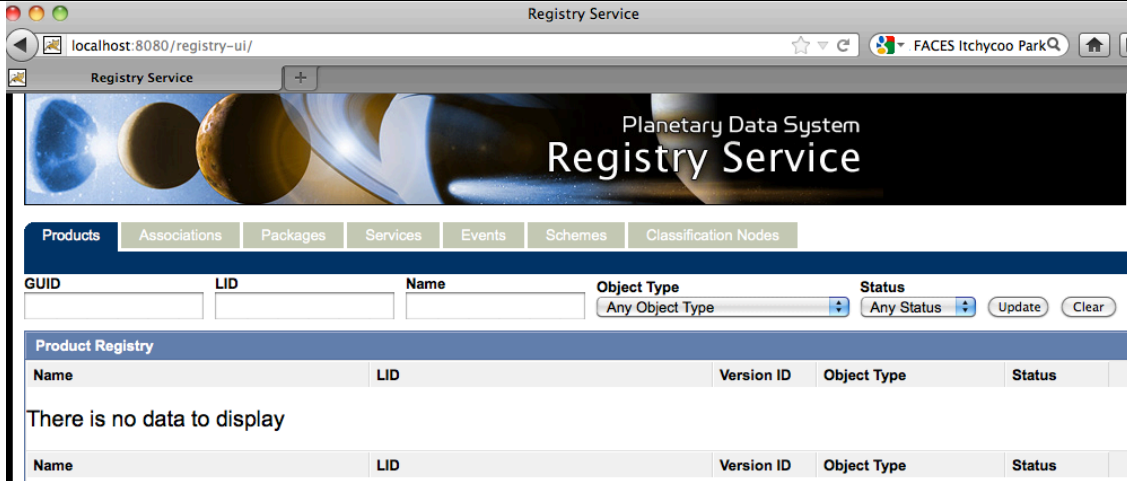
Please follow the installation instructions. For example, the Harvest and harvest-ctrl commands usually require editing to use the correct registry, and those two and Validate also require editing to set environment variable JAVA_HOME.

The tests are written for Unix, though running on Windows should require only simple changes.

In the test procedures below, globally replace:

testDir	directory where input files are extracted
harvest	If the registry is uncontrolled, nothing. Else: harvest –u*username* –p*password* Also add "-k *keystorePassword*" depending on the registry configuration, e.g. if Harvest gives error "Keystore password must be specified"
curl	If the registry is uncontrolled, nothing. Else curl -u*username:password* –k
http://localhost:8080 or https://potato.jpl.nasa.gov	Use the location of the registry

Test Case ID	SETUP for all tests
Description	This is not really a test.

Test Steps	Get PDS4test.build3.zip from the "Test Procedures Input" link at http://pds-engineering.jpl.nasa.gov/index.cfm?pid=145&cid=185. Extract the input files:
	
	    mkdir *testDir*
	    cd *testDir*
	    unzip PDS4test.build3.zip
	    mkdir holdings

Test Results	
Comments	
Date of Testing	
Test Personnel	Richard Chen

Test Case ID	AATESTME.T1
Description	Query for a registered artifact
Test Steps	Verify in browser: http://localhost:8080/registry-ui If "Product Registry" shows rows of data, type "urn:nasa:pds:TESTING*" in LID, then hit "Update". If registry-ui is not installed, http://localhost:8080/registry/extrinsics/logicals/urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0
Test Results	 If registry-ui has data to display, delete the product from the registry via AATESTME.T5 and re-run this test.
Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	AATESTME.T2
Description	Create a PDS Product Label using a design tool that initiates from an existing or a blank schema, accepts schema specification from a URL or a filename, facilitates editing of the label via standard editing features, validates, exports the schema, and generates the file for the product.
Test Steps	Off-the-shelf XML editors, both free (e.g. eclipse) and commercial (oxygen), provide the functionality required. Verification of installation suffices. Thus,

Inside the Test Steps cell:

> Off-the-shelf XML editors, both free (e.g. eclipse) and commercial (oxygen), provide the functionality required. Verification of installation suffices. Thus,
>
>   mkdir holdings
>   cp testAAtestme/minimalImage.xml holdings/minimalImage.xml
>
> If manual verification of the XML editor's sufficiency as the design tool is desired, use the editor to create, validate , and export file holdings/minimalImage.xml (instead of copying above). Tutorials for all editors are widely available. The file's contents:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-model
href="http://pds.jpl.nasa.gov/repository/pds4/examples/dph_examples_3a/dph_example_archive_VG2PLS/schemas/PDS4_PDS_0300a.sch"?>
<Product_Observational xmlns="http://pds.nasa.gov/pds4/pds/v03"
   xmlns:pds="http://pds.nasa.gov/pds4/pds/v03"
   xmlns:dph="http://pds.nasa.gov/pds4/dph/v01"
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://pds.nasa.gov/pds4/pds/v03
http://pds.jpl.nasa.gov/repository/pds4/examples/dph_examples_3a/dph_example_archive_VG2PLS/schemas/PDS4_PDS_0300a.xsd
   http://pds.nasa.gov/pds4/dph/v01
http://pds.jpl.nasa.gov/repository/pds4/examples/dph_examples_0900/dph_example_products/local_dictionaries/dph_example_dict_0900.xsd">
  <Identification_Area>

<logical_identifier>urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0</logical_identifier>
    <version_id>1.0</version_id>
    <title>MARS
      PATHFINDER LANDER Experiment</title>
    <information_model_version>0.3.0.0.a</information_model_version>
    <product_class>Product_Observational</product_class>
    <Modification_History>
      <Modification_Detail>
        <modification_date>2012-10-25</modification_date>
        <version_id>1.0</version_id>
        <description>
          extracted metadata from PDS3 catalog and
          modified to comply with PDS4 Information Model
        </description>
      </Modification_Detail>
    </Modification_History>
  </Identification_Area>
  <Observation_Area>
    <comment>Observational Intent</comment>
    <Time_Coordinates>
      <start_date_time>1997-07-07T23:48:33.442Z</start_date_time>
      <stop_date_time>1997-07-07T23:48:51.766Z</stop_date_time>
      <local_mean_solar_time>not applicable</local_mean_solar_time>
      <local_true_solar_time>not applicable</local_true_solar_time>
    </Time_Coordinates>
    <Investigation_Area>
      <name>MARS_PATHFINDER</name>
      <type>Mission</type>
      <Internal_Reference>

<lidvid_reference>urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0</lidvid_reference>
        <reference_type>data_to_investigation</reference_type>
      </Internal_Reference>
    </Investigation_Area>
    <Observing_System>
      <name>Observing System for MPFL+IMP</name>
```

```xml
            <Observing_System_Component>
              <name>MPFL</name>
              <observing_system_component_type>Spacecraft</observing_system_component_type>
              <description>instrument_host MPFL</description>
              <Internal_Reference>
                <lid_reference>urn:nasa:pds:TESTING:instrument_host.MPFL</lid_reference>
                <reference_type>is_instrument_host</reference_type>
              </Internal_Reference>
            </Observing_System_Component>
            <Observing_System_Component>
              <name>TT</name>
              <observing_system_component_type>Instrument</observing_system_component_type>
              <description>instrument TT</description>
              <Internal_Reference>
                <lid_reference>urn:nasa:pds:TESTING:instrument.IMP__MPFL</lid_reference>
                <reference_type>is_instrument</reference_type>
              </Internal_Reference>
            </Observing_System_Component>
          </Observing_System>
          <Target_Identification>
            <name>MARS</name>
            <type>planet</type>
            <description>description of MARS goes here</description>
            <Internal_Reference>
              <lidvid_reference>urn:nasa:pds:TESTING:target.MARS::1.0</lidvid_reference>
              <reference_type>data_to_target</reference_type>
            </Internal_Reference>
          </Target_Identification>
          <!-- ============================================================== -->
          <!-- Reference the attributes that were imported from the        -->
          <!-- local dictionary (using the local namespace (dph)           -->
          <!-- ============================================================== -->
        </Observation_Area>
        <Reference_List>
          <Internal_Reference>

            <lidvid_reference>urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0</lidvid_reference>
            <reference_type>data_to_document</reference_type>
          </Internal_Reference>
          <Internal_Reference>
            <lid_reference>urn:nasa:pds:TESTING:instrument_host.MPFL</lid_reference>
            <reference_type>data_to_document</reference_type>
          </Internal_Reference>
          <Internal_Reference>
            <lid_reference>urn:nasa:pds:TESTING:instrument.IMP__MPFL</lid_reference>
            <reference_type>data_to_document</reference_type>
          </Internal_Reference>
          <Internal_Reference>
            <lid_reference>urn:nasa:pds:TESTING:target.MARS</lid_reference>
            <reference_type>data_to_document</reference_type>
          </Internal_Reference>
          <Internal_Reference>
            <lid_reference>urn:nasa:pds:node.IMG</lid_reference>
            <reference_type>data_to_document</reference_type>
          </Internal_Reference>
        </Reference_List>
        <File_Area_Observational>
          <File>
            <file_name>i943630r.raw</file_name>
            <local_identifier>i943630r.raw</local_identifier>
            <creation_date_time>2009-05-04T13:46:30.1158Z</creation_date_time>
            <file_size unit="byte">126976</file_size>
            <records>270</records>
            <md5_checksum>d220dac0d1fe312f3f3b9c824f6ac294</md5_checksum>
          </File>
          <Array_2D_Image>
            <local_identifier>MPFL-M-IMP_IMG_GRAYSCALE</local_identifier>
            <offset unit="byte">0</offset>
            <axes>2</axes>
            <axis_index_order>Last_Index_Fastest</axis_index_order>
            <encoding_type>Binary</encoding_type>
            <Element_Array>
```

```
                <data_type>UnsignedMSB2</data_type>
                <unit>data number</unit>
                <scaling_factor>0</scaling_factor>
                <value_offset>0</value_offset>
              </Element_Array>
              <Axis_Array>
                <axis_name>Line</axis_name>
                <elements>248</elements>
                <unit>not applicable</unit>
                <sequence_number>1</sequence_number>
              </Axis_Array>
              <Axis_Array>
                <axis_name>Sample</axis_name>
                <elements>256</elements>
                <unit>not applicable</unit>
                <sequence_number>2</sequence_number>
              </Axis_Array>
              <Object_Statistics>
                <local_identifier>MPFL_M_IMP_STATISTICS</local_identifier>
                <maximum>4095</maximum>
                <minimum>145</minimum>
                <mean>1385.3000</mean>
                <standard_deviation>538.0290</standard_deviation>
              </Object_Statistics>
              <Display_2D_Image>
                <line_display_direction>Up</line_display_direction>
                <sample_display_direction>Right</sample_display_direction>
              </Display_2D_Image>
            </Array_2D_Image>
          </File_Area_Observational>
        </Product_Observational>
```

Test Results	File minimalImage.xml sits in directory holdings/.
Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	AATESTME.T3
Description	For Harvest, provide a command-line interface, accept a configuration file, determine candidates for registration, capture metadata, submit metadata to the Registry Service. Registry accepts the artifact, assigns a global unique ID to the product. Registry relates artifacts via (LID-based) association.
Test Steps	1. Create the data file referred to in the label: touch holdings/i943630r.raw 2. harvest *testDir*/holdings -c testAAtestme/harvestPolicy.xml 3. Verify the product registration: http://localhost:8080/registry-ui 4. Verify the registration of LID-based associations: http://localhost:8080/registry/extrinsics/logicals/urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0
Test Results	Step 2 returns the following: PDS Harvest Tool Log Version Version 1.3.0 Time Thu, Oct 25 2012 at 02:30:30 PM Severity Level INFO Registry Location http://localhost:8080/registry Registry Package Name Harvest Package Example Registration Package GUID urn:uuid:0bedffed-3979-45a4-b0a8-ec16092e62d7 INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03 INFO: [holdings/i943630r.raw] Begin processing. ERROR: [holdings/i943630r.raw] Premature end of file. INFO: [holdings/minimalImage.xml] Begin processing.

INFO: [holdings/minimalImage.xml] line 42: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [holdings/minimalImage.xml] line 53: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [holdings/minimalImage.xml] line 62: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [holdings/minimalImage.xml] line 72: Mapping reference type 'data_to_target' to 'target_ref'.
INFO: [holdings/minimalImage.xml] line 83: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 87: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 91: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 95: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 99: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'investigation_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'instrument_host_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'instrument_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:target.MARS::1.0', under slot name 'target_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:target.MARS', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:node.IMG', under slot name 'document_ref'.
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0::1.0
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:96ff8cbc-ba47-46a2-b669-5c929a2a1d7d
INFO: [holdings/minimalImage.xml] Capturing file information for minimalImage.xml
INFO: [holdings/minimalImage.xml] Capturing file object metadata for i943630r.raw
INFO: [holdings/minimalImage.xml] Found checksum in the product label for file object 'holdings/i943630r.raw': d220dac0d1fe312f3f3b9c824f6ac294
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::1.0
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:274a7b82-d616-4a3a-8e3c-1c59a8e812c5
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::1.0
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:d38e07e3-64fa-4f64-9263-3f1692621245
SUCCESS: [holdings/minimalImage.xml] Successfully registered association to urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::1.0
INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:26693d79-2a4f-4938-8496-4579f895d9cd
SUCCESS: [holdings/minimalImage.xml] Successfully registered association to urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::1.0
INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:4abc6a30-6d39-47ff-84d5-dafdce5473cf
Summary:
1 of 3 file(s) processed, 0 other file(s) skipped
1 error(s), 0 warning(s)
1 of 1 products registered.
2 of 2 ancillary products registered.
Product Types Registered:
1 Product_Observational
2 Product_File_Repository
2 of 2 associations registered.

End of Log

Harvest registered product holdings/minimalImage.xml because it has a
<product_class> that matches one of harvestPolicy.xml's objectType.
Step 4 shows the registration of the product referred to in minimalImage.xml as well
as two extra products associated with this product: the metadata file (i.e. the label)
minimalImage.xml and the data file i943630r.raw.
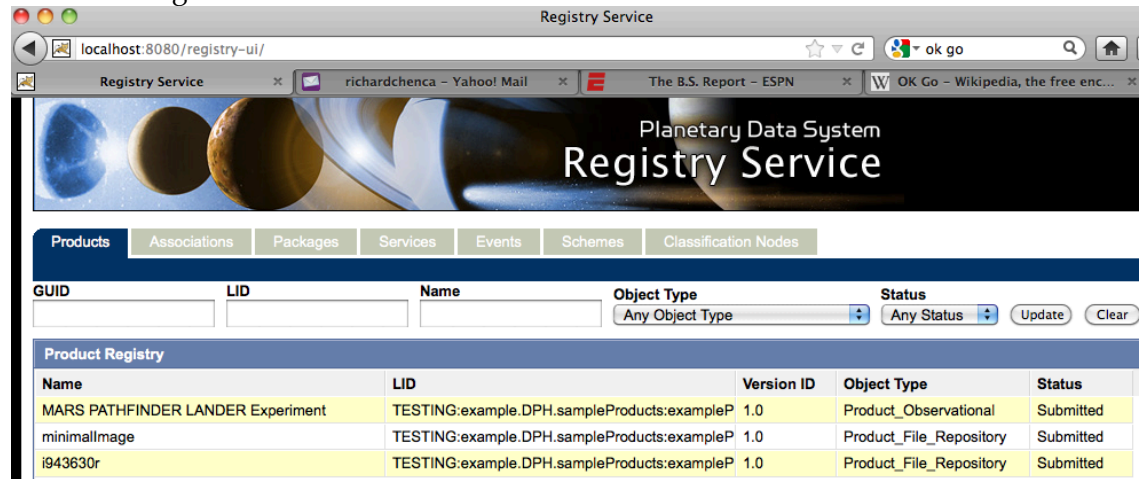
Step 4 shows associations to products with LIDs
urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0,
urn:nasa:pds:TESTING:target.MARS, urn:nasa:pds:TESTING:instrument_host.MPFL,
urn:nasa:pds:TESTING:instrument.IMP__MPFL

Mozilla Firefox

localhost:8080/registry/extrinsics/logicals/urn:nasa:pds:TES ▽ C Google

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Pull down to show history

Register Service × http://localhos...IMP-2-EDR-V1.0 × +

– <ns2:results>
  – <ns2:extrinsicObject versionName="1.0" status="Submitted" objectType="Product_Observational"
    name="MARS PATHFINDER LANDER Experiment"
    lid="urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-
    2-EDR-V1.0" home="http://localhost:8080/registry" guid="urn:uuid:96ff8cbc-ba47-46a2-b669-5c929a2a1d7d">
    – <ns2:slot name="modification_date" id="142">
        <ns2:value>2012-10-25</ns2:value>
      </ns2:slot>
    – <ns2:slot name="instrument_host_ref" id="143">
        <ns2:value>urn:nasa:pds:TESTING:instrument_host.MPFL</ns2:value>
      </ns2:slot>
    – <ns2:slot name="data_class" id="144">
        <ns2:value>Array_2D_Image</ns2:value>
      </ns2:slot>
    – <ns2:slot name="document_ref" id="145">
      – <ns2:value>
          urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0
        </ns2:value>
        <ns2:value>urn:nasa:pds:TESTING:instrument_host.MPFL</ns2:value>
        <ns2:value>urn:nasa:pds:TESTING:instrument.IMP__MPFL</ns2:value>
        <ns2:value>urn:nasa:pds:TESTING:target.MARS</ns2:value>
        <ns2:value>urn:nasa:pds:node.IMG</ns2:value>
      </ns2:slot>
    – <ns2:slot name="information_model_version" id="146">
        <ns2:value>0.3.0.0.a</ns2:value>
      </ns2:slot>
    – <ns2:slot name="local_identifier" id="147">
        <ns2:value>MPFL-M-IMP_IMG_GRAYSCALE</ns2:value>
      </ns2:slot>
    – <ns2:slot name="instrument_ref" id="148">
        <ns2:value>urn:nasa:pds:TESTING:instrument.IMP__MPFL</ns2:value>
      </ns2:slot>
    – <ns2:slot name="modification_version_id" id="149">
        <ns2:value>1.0</ns2:value>
      </ns2:slot>
    – <ns2:slot name="modification_description" id="150">
      – <ns2:value>
          extracted metadata from PDS3 catalog and modified to comply with PDS4 Information Model
        </ns2:value>
      </ns2:slot>
    – <ns2:slot name="file_name" id="151">
        <ns2:value>i943630r.raw</ns2:value>
      </ns2:slot>
    – <ns2:slot name="target_ref" id="152">
        <ns2:value>urn:nasa:pds:TESTING:target.MARS::1.0</ns2:value>
      </ns2:slot>
    – <ns2:slot name="investigation_ref" id="153">
      – <ns2:value>
          urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0
        </ns2:value>
      </ns2:slot>
    – <ns2:slot name="version_id" id="154">
        <ns2:value>1.0</ns2:value>
      </ns2:slot>
    </ns2:extrinsicObject>
  </ns2:results>
</ns2:response>

Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	AATESTME.T4
Description	(Skip this test if registry is uncontrolled) Authorize only authenticated users access to a controlled capacity.

Test Steps	1. harvest -u*username* -p*BAD_PASSWORD* –k *testDir*/holdings –c testAAtestme/harvestPolicy.xml
Test Results	Step 2: \<html>\<head>\<title>Apache Tomcat/6.0.26 - Error report\</title>\<style>\<!--H1 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:22px;} H2 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:16px;} H3 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:14px;} BODY {font-family:Tahoma,Arial,sans-serif;color:black;background-color:white;} B {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;} P {font-family:Tahoma,Arial,sans-serif;background:white;color:black;font-size:12px;}A {color : black;}A.name {color : black;}HR {color : #525D76;}--></style> </head>\<body>\ HTTP Status 401 - \<HR size="1" noshade="noshade">\ \type Status report \ \message \<u></u> \ \description \<u>This request requires HTTP authentication ().</u> \<HR size="1" noshade="noshade">\ Apache Tomcat/6.0.26 </body></html> Summary: 0 of 0 file(s) processed, 0 skipped 0 of 0 products registered. 0 of 0 associations registered, 0 skipped End of Log
Comments	
Date of Testing	
Test Personnel	Richard Chen

Test Case ID	AATESTME.T5
Description	Update and delete registered artifacts.
Test Steps	1. In holdings/minimalImage.xml, change Identification_Area/version_id to 4.4 2. harvest *testDir*/holdings –c testAAtestme/harvestPolicy.xml 3. Verify in browser: http://localhost:8080/registry-ui 4. Step 2's output includes GUIDs (highlighted) assigned by harvest/registry to the 3 version 4.4 products. For each, replace *guid* below with the GUID: curl -X DELETE -v http://localhost:8080/registry/extrinsics/*guid* 5. Verify in browser: http://localhost:8080/registry-ui 6. In AATESTME.T3's Test Results, step 3's output includes GUIDs (highlighted) assigned by harvest/registry to the 3 version 1.0 products. For each, replace *guid* below with the GUID: curl -X DELETE -v http://localhost:8080/registry/extrinsics/*guid* 7. Verify in browser: http://localhost:8080/registry-ui
Test Results	Step 2: PDS Harvest Tool Log Version Version 1.3.0 Time Thu, Oct 25 2012 at 02:48:01 PM Severity Level INFO Registry Location http://localhost:8080/registry Registry Package Name Harvest Package Example Registration Package GUID urn:uuid:ad2fd170-8ff8-48ba-bf5f-e353fa608626 INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03 INFO: [holdings/i943630r.raw] Begin processing. ERROR: [holdings/i943630r.raw] Premature end of file. INFO: [holdings/minimalImage.xml] Begin processing. INFO: [holdings/minimalImage.xml] line 42: Mapping reference type 'data_to_investigation' to 'investigation_ref'. INFO: [holdings/minimalImage.xml] line 53: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'. INFO: [holdings/minimalImage.xml] line 62: Mapping reference type 'is_instrument' to 'instrument_ref'. INFO: [holdings/minimalImage.xml] line 72: Mapping reference type 'data_to_target' to 'target_ref'. INFO: [holdings/minimalImage.xml] line 83: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 87: Mapping reference type 'data_to_document' to 'document_ref'.

INFO: [holdings/minimalImage.xml] line 91: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 95: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 99: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'investigation_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'instrument_host_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'instrument_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:target.MARS::1.0', under slot name 'target_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:target.MARS', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:node.IMG', under slot name 'document_ref'.
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0::4.4
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:9d05c196-a94b-4306-a283-e9f067904bf9
INFO: [holdings/minimalImage.xml] Capturing file information for minimalImage.xml
INFO: [holdings/minimalImage.xml] Capturing file object metadata for i943630r.raw
INFO: [holdings/minimalImage.xml] Found checksum in the product label for file object 'holdings/i943630r.raw': d220dac0d1fe312f3f3b9c824f6ac294
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::4.4
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:a7020e98-8d43-453f-bcf0-eb874a1c46e0
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::4.4
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:2f8cc5a7-7048-42b3-95fd-cf584b4390dd
SUCCESS: [holdings/minimalImage.xml] Successfully registered association to urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::4.4
INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:3202e63f-331c-4e31-8eda-8d245cf8658d
SUCCESS: [holdings/minimalImage.xml] Successfully registered association to urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::4.4
INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:825c1416-2f93-42c6-8f8d-8286aecdaf27
Summary:
1 of 3 file(s) processed, 0 other file(s) skipped
1 error(s), 0 warning(s)
1 of 1 products registered.
2 of 2 ancillary products registered.
Product Types Registered:
1 Product_Observational
2 Product_File_Repository
2 of 2 associations registered.
End of Log

Step 3: three additional lines displayed
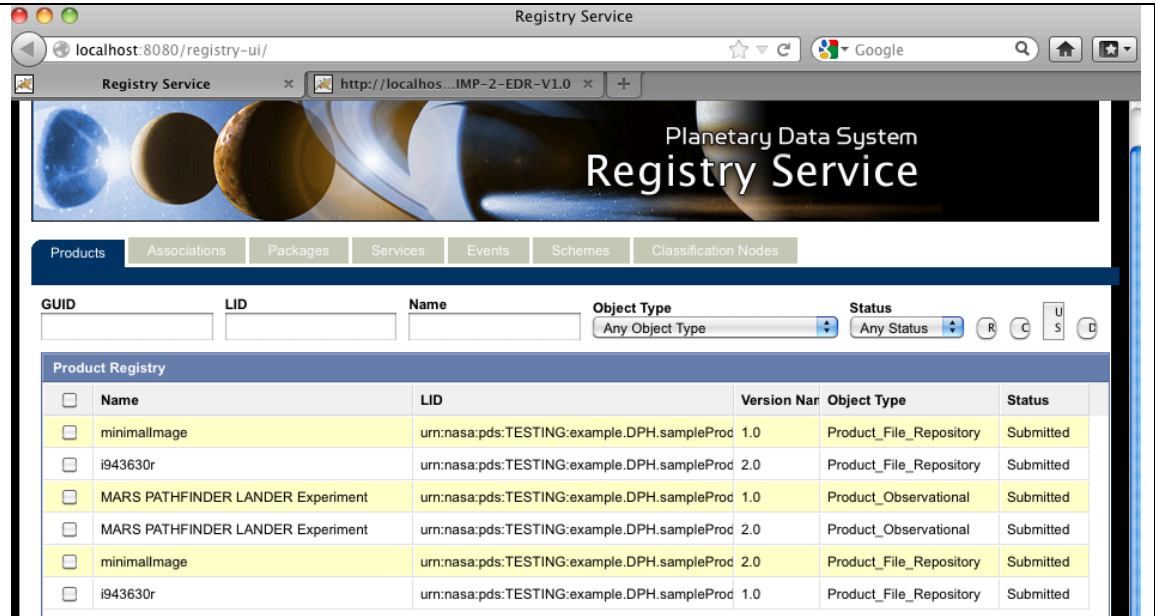
Step 4: For each of the 3 products to delete, output must have line "HTTP/1.1 200 OK".

* About to connect() to localhost port 8080 (#0)
*   Trying 127.0.0.1... connected
* Connected to localhost (127.0.0.1) port 8080 (#0)
> DELETE /registry/extrinsics/urn:uuid:2f8cc5a7-7048-42b3-95fd-cf584b4390dd HTTP/1.1
> User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
> Host: localhost:8080
> Accept: */*
< HTTP/1.1 200 OK
< Server: Apache-Coyote/1.1
< Content-Type: application/xml
< Content-Length: 0
< Date: Thu, 25 Oct 2012 22:23:21 GMT
* Connection #0 to host localhost left intact
* Closing connection #0

Step 5 shows registration of only the original version
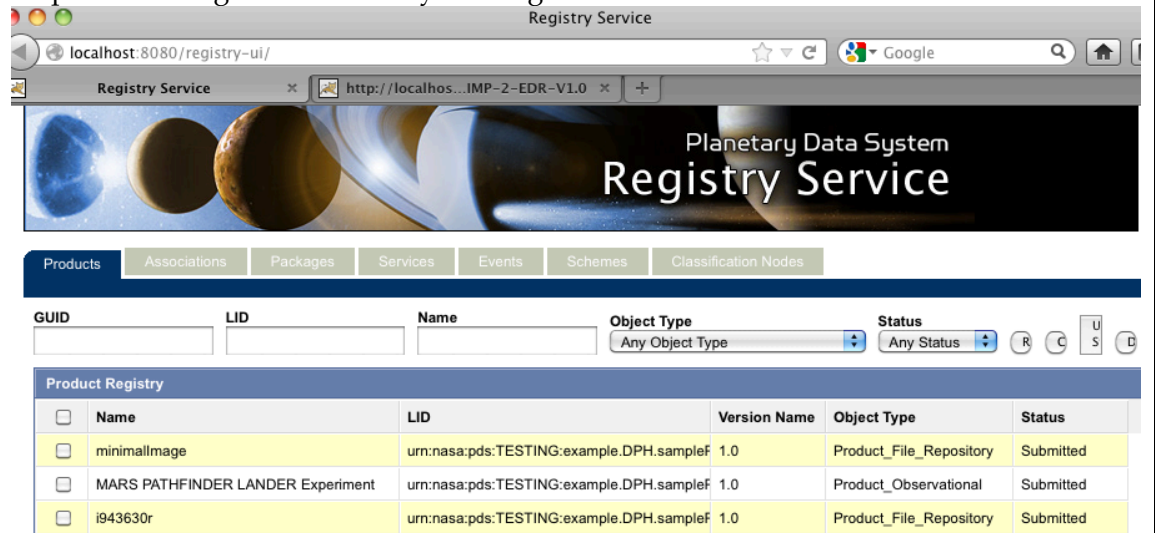
Step 6 has similar output to step 4
Step 7 shows no records with LID beginning with "TESTING"

Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen
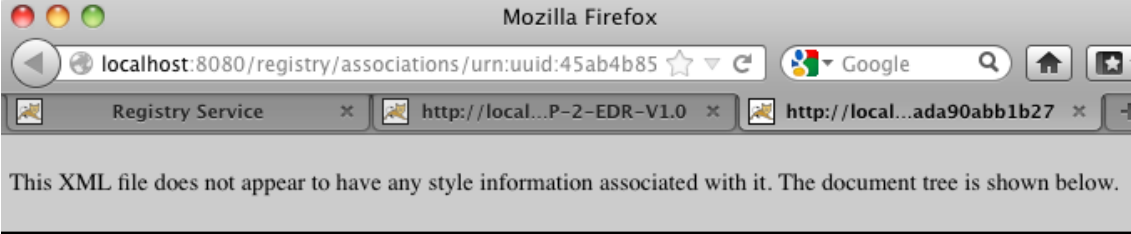
Test Case ID	AATESTME.T6
Description	Harvest skips candidate products not matching configuration file
Test Steps	1. cp testAAtestme/unharvestedDoc.xml holdings/ 2. harvest *testDir*/holdings –c testAAtestme/harvestPolicy.xml In a browser, check that no Product_Document was registered: 3. Verify in browser: http://localhost:8080/registry-ui
Test Results	Step 2: note that unharvestedDoc.xml was skipped (highlighted) because harvestPolicy.xml does not list its type. PDS Harvest Tool Log Version Version 1.3.0 Time Thu, Oct 25 2012 at 03:53:29 PM Severity Level INFO Registry Location http://localhost:8080/registry Registry Package Name Harvest Package Example Registration Package GUID urn:uuid:35c5cdf8-fea3-4fce-b90e-0ce923c21a49 INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03 INFO: [holdings/i943630r.raw] Begin processing. ERROR: [holdings/i943630r.raw] Premature end of file. INFO: [holdings/minimalImage.xml] Begin processing. INFO: [holdings/minimalImage.xml] line 42: Mapping reference type 'data_to_investigation' to 'investigation_ref'. INFO: [holdings/minimalImage.xml] line 53: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'. INFO: [holdings/minimalImage.xml] line 62: Mapping reference type 'is_instrument' to 'instrument_ref'. INFO: [holdings/minimalImage.xml] line 72: Mapping reference type 'data_to_target' to 'target_ref'. INFO: [holdings/minimalImage.xml] line 83: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 87: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 91: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 95: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 99: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'investigation_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'instrument_host_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'instrument_ref'. INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:target.MARS::1.0', under slot name 'target_ref'. INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:target.MARS', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:node.IMG', under slot name 'document_ref'. SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0::4.4 INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:73bc0edd-ff67-439c-b0c5-2cef054a3be9 INFO: [holdings/minimalImage.xml] Capturing file information for minimalImage.xml INFO: [holdings/minimalImage.xml] Capturing file object metadata for i943630r.raw INFO: [holdings/minimalImage.xml] Found checksum in the product label for file object 'holdings/i943630r.raw': d220dac0d1fe312f3f3b9c824f6ac294 SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::4.4

	INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:bfbb47ce-73f7-41da-9540-d4c61771ce40 SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::4.4 INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:6a6b62dd-81b3-492d-a90e-223ae4804d80 INFO: [holdings/unharvestedDoc.xml] Begin processing. SKIP: [holdings/unharvestedDoc.xml] 'Product_Document' is not an object type found in the policy file. SUCCESS: [holdings/minimalImage.xml] Successfully registered association to urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::4.4 INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:45ab4b85-48ee-4b8e-ba79-ada90abb1b27 SUCCESS: [holdings/minimalImage.xml] Successfully registered association to urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::4.4 INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:bfd93502-e159-4260-b927-87b1e9ad71c9 Summary: 1 of 3 file(s) processed, 1 other file(s) skipped 1 error(s), 0 warning(s) 1 of 1 products registered. 2 of 2 ancillary products registered. Product Types Registered: 1 Product_Observational 2 Product_File_Repository 2 of 2 associations registered. End of Log Step 3: shows no LID with (from files unharvestedDoc.xml) urn:nasa:pds:TESTING.sampleArchive:document:MISSION
Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	AATESTME.T7
Description	(OBSOLETED by build 2c – merged into AATESTME.T3) Registry relates artifacts via (LID-based) association.

Test Steps	1. Note whether minimalImage.xml was previously registered: http://localhost:8080/registry/extrinsics/logicals/urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0
	2. Edit holdings/minimalImage.xml to:
	    a. uncomment the two Observing_System tags.
	    b. set <version_id> to 5.5
	3. harvest –c testAAtestme/harvestPolicy.xml
	4. Repeat step 1. This time note that the new version has slots for the two LID-based associations "has_instrument" and "has_instrument_host"

Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	AATESTME.T8

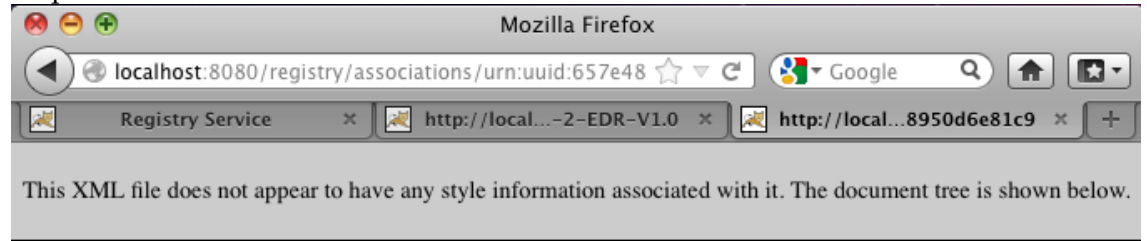| Description	Harvest checks for previous registration.
Test Steps	Assuming AATESTME.T6 successfully registered minimalImage.xml (ignore unharvestedDoc.xml): harvest –c testAAtestme/harvestPolicy.xml
Test Results	PDS Harvest Tool Log Version Version 1.3.0 Time Thu, Oct 25 2012 at 03:58:18 PM Severity Level INFO Registry Location *http://localhost:8080/*registry Registry Package Name Harvest Package Example Registration Package GUID urn:uuid:e107c425-1a89-419d-989e-adacb8f232b6 INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03 INFO: [holdings/i943630r.raw] Begin processing. ERROR: [holdings/i943630r.raw] Premature end of file. INFO: [holdings/minimalImage.xml] Begin processing. INFO: [holdings/minimalImage.xml] line 42: Mapping reference type 'data_to_investigation' to 'investigation_ref'. INFO: [holdings/minimalImage.xml] line 53: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'. INFO: [holdings/minimalImage.xml] line 62: Mapping reference type 'is_instrument' to 'instrument_ref'. INFO: [holdings/minimalImage.xml] line 72: Mapping reference type 'data_to_target' to 'target_ref'. INFO: [holdings/minimalImage.xml] line 83: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 87: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 91: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 95: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] line 99: Mapping reference type 'data_to_document' to 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'investigation_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'instrument_host_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'instrument_ref'. INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:target.MARS::1.0', under slot name 'target_ref'. INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:target.MARS', under slot name 'document_ref'. INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:node.IMG', under slot name 'document_ref'. ERROR: [holdings/minimalImage.xml] Product already exists: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0::4.4 INFO: [holdings/unharvestedDoc.xml] Begin processing. SKIP: [holdings/unharvestedDoc.xml] 'Product_Document' is not an object type found in the policy file. Summary: 1 of 3 file(s) processed, 1 other file(s) skipped 2 error(s), 0 warning(s) 0 of 1 products registered. 0 of 0 ancillary products registered. Product Types Registered: 0 of 0 associations registered. End of Log Notice that no products (and no associations) were registered.
Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	AATESTME.T9
Description	Query and delete associations (not just products). When Harvest registers a product, it also registers associations to the XML label file and to the referenced data file. These associations (non-LID-based) can be deleted.
Test Steps	1. AATESTME.T6's Test Results, step 2's output includes the GUID (highlighted) of the association between the data product and the file. Replace *guid* below with the GUID http://localhost:8080/registry/associations/*guid* 2. curl -X DELETE -v http://localhost:8080/registry/associations/*guid* 3. Repeat step 1 Another way to delete an association is to delete its source object. 4. Edit holdings/minimalImage.xml; change \<version_id> to 6.6 5. harvest -c testAAtestme/harvestPolicy.xml 6. View association: use the GUID (highlighted) of the association registered in step 5: http://localhost:8080/registry/associations/*guid* 7. Delete association's source object: use the GUID (highlighted) of the product registered in step 5, which was also the value of sourceObject in step 6: curl -v -X DELETE http://localhost:8080/registry/extrinsics/*guid* 8. Repeat step 6. Association should be gone.
Test Results	Step 1: *(screenshot of Mozilla Firefox showing XML document)* localhost:8080/registry/associations/urn:uuid:45ab4b85 This XML file does not appear to have any style information associated with it. The document tree is shown below. − \<ns2:association associationType="file_ref" targetObject="urn:uuid:bfbb47ce-73f7-41da-9540-d4c61771ce40" sourceObject="urn:uuid:73bc0edd-ff67-439c-b0c5-2cef054a3be9" versionName="1.0" status="Submitted" objectType="Association" lid="urn:uuid:2ce835a1-ed8e-4ef3-b3e8-880b33836613" home="http://localhost:8080/registry" guid="urn:uuid:45ab4b85-48ee-4b8e-ba79-ada90abb1b27"> − \<ns2:slot name="verified" id="267"> \<ns2:value>true\</ns2:value> \</ns2:slot> \</ns2:association> Step 2: benign output, with "HTTP/1.1 200 OK" somewhere in the middle: * About to connect() to localhost port 8080 (#0) * Trying 127.0.0.1... connected * Connected to localhost (127.0.0.1) port 8080 (#0) > DELETE /registry/associations/urn:uuid:45ab4b85-48ee-4b8e-ba79-ada90abb1b27 HTTP/1.1 > User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3 > Host: localhost:8080 > Accept: */* < HTTP/1.1 200 OK < Server: Apache-Coyote/1.1 < Content-Length: 0 < Date: Thu, 25 Oct 2012 23:01:58 GMT * Connection #0 to host localhost left intact * Closing connection #0 Step 3:

XML Parsing Error: syntax error
Location: http://localhost:8080/registry/associations/urn:uuid:45ab4b85-48ee-4b8e-ba79-ada90abb1b27
Line Number 1, Column 1:

Object not found urn:uuid:45ab4b85-48ee-4b8e-ba79-ada90abb1b27
^

Step 5:

PDS Harvest Tool Log
Version   Version 1.3.0
Time   Thu, Oct 25 2012 at 04:05:00 PM
Severity Level   INFO
Registry Location   http://localhost:8080/registry
Registry Package Name   Harvest Package Example
Registration Package GUID   urn:uuid:606e78e0-ffc4-4369-9e9c-8dd9fb5622d1
INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03
INFO: [holdings/i943630r.raw] Begin processing.
ERROR: [holdings/i943630r.raw] Premature end of file.
INFO: [holdings/minimalImage.xml] Begin processing.
INFO: [holdings/minimalImage.xml] line 42: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [holdings/minimalImage.xml] line 53: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [holdings/minimalImage.xml] line 62: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [holdings/minimalImage.xml] line 72: Mapping reference type 'data_to_target' to 'target_ref'.
INFO: [holdings/minimalImage.xml] line 83: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 87: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 91: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 95: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] line 99: Mapping reference type 'data_to_document' to 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'investigation_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'instrument_host_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'instrument_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:target.MARS::1.0', under slot name 'target_ref'.
INFO: [holdings/minimalImage.xml] Setting LIDVID-based association, 'urn:nasa:pds:TESTING:investigation.MARS_PATHFINDER::1.0', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument_host.MPFL', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:instrument.IMP__MPFL', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:TESTING:target.MARS', under slot name 'document_ref'.
INFO: [holdings/minimalImage.xml] Setting LID-based association, 'urn:nasa:pds:node.IMG', under slot name 'document_ref'.
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0::6.6
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:36d79bc7-5418-42dc-bd2b-f2a0a6d05635
INFO: [holdings/minimalImage.xml] Capturing file information for minimalImage.xml
INFO: [holdings/minimalImage.xml] Capturing file object metadata for i943630r.raw
INFO: [holdings/minimalImage.xml] Found checksum in the product label for file object 'holdings/i943630r.raw': d220dac0d1fe312f3f3b9c824f6ac294
SUCCESS: [holdings/minimalImage.xml] Successfully registered product: urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::6.6

INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:7710a1b8-7819-4e7a-982f-c4c11a92aee6
SUCCESS: [holdings/minimalImage.xml] Successfully registered product:
urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::6.6
INFO: [holdings/minimalImage.xml] Product has the following GUID: urn:uuid:88fb5592-d8cc-45b9-afef-b9111bac9339
INFO: [holdings/unharvestedDoc.xml] Begin processing.
SKIP: [holdings/unharvestedDoc.xml] 'Product_Document' is not an object type found in the policy file.
SUCCESS: [holdings/minimalImage.xml] Successfully registered association to
urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:minimalImage.xml::6.6
INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:657e4879-789e-45fa-b052-88950d6e81c9
SUCCESS: [holdings/minimalImage.xml] Successfully registered association to
urn:nasa:pds:TESTING:example.DPH.sampleProducts:exampleProducts:Array2D_Image.MPFL-M-IMP-2-EDR-V1.0:i943630r.raw::6.6
INFO: [holdings/minimalImage.xml] Association has the following GUID: urn:uuid:8c4a0424-e4c2-4a79-bbed-4b6931b8fc60
Summary:
1 of 3 file(s) processed, 1 other file(s) skipped
1 error(s), 0 warning(s)
1 of 1 products registered.
2 of 2 ancillary products registered.
Product Types Registered:
1 Product_Observational
2 Product_File_Repository
2 of 2 associations registered.
End of Log

Step 6:

Step 7:

* About to connect() to localhost port 8080 (#0)
*   Trying 127.0.0.1... connected
* Connected to localhost (127.0.0.1) port 8080 (#0)
> DELETE /registry/extrinsics/urn:uuid:36d79bc7-5418-42dc-bd2b-f2a0a6d05635 HTTP/1.1
> User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
> Host: localhost:8080
> Accept: */*
< HTTP/1.1 200 OK
< Server: Apache-Coyote/1.1
< Content-Type: application/xml
< Content-Length: 0
< Date: Thu, 25 Oct 2012 23:09:11 GMT
* Connection #0 to host localhost left intact
* Closing connection #0

Step 8:

Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	BNDL.T0
Description	Not a test. How to wipe the database and the search indices clean. The directories listed here were set during the installation of the various software.

Test Steps	$CATALINA_HOME/bin/shutdown.sh
	rm -r /PDS4tools/search-service-1.0.0/pds/*data*
	rm /PDS4tools/search-service-1.0.0/pds/index/search-tools.hierarchy.xml
	rm /PDS4tools/search-service-1.0.0/pds/index/solr*
	rm -f -r /Users/rchen/putRDBhere
	mkdir /Users/rchen/putRDBhere
	cd /PDS4tools/registry-service-1.3.0
	java -Djava.ext.dirs=lib/ org.apache.derby.tools.ij
	  connect 'jdbc:derby:registry;create=true;user=registry';
	  run 'conf/derby-registry-schema.ddl';
	  exit;
	mv registry /Users/rchen/putRDBhere/registry
	rm derby.log
	$CATALINA_HOME/bin/startup.sh # usually a pause is needed here
	cd /PDS4tools/registry-service-1.3.0/bin; ./registry-config
	curl -X GET -H "Accept:application/xml" -v http://localhost:8080/registry/report

Test Results	
Comments	
Date of Testing	
Test Personnel	Richard Chen

Test Case ID	BNDL.T1
Description	Validate and harvest a Voyager bundle. Validate more successfully with a local data dictionary.
Test Steps	1. Clean database as in test BNDL.T0 2. validate zip_VG2PLS_archive/ -e '*.xml' 3. validate zip_VG2PLS_archive/ -e '*.xml' -x zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xsd -x

	zip_VG2PLS_archive/local_dictionaries/dph_example_dict_0300a.xsd 4. In a browser: http://localhost:8080/registry-ui/ 5. harvest zip_VG2PLS_archive -e '*.xml' -c harvestConfig.xml

Test Results	**Step 2:**
	
	PDS Validate Tool Report
	Configuration:
	  Version 1.2.0
	  Time Wed, Oct 24 2012 at 11:55:49 PM
	  Core Schemas [PDS4_OPS_0300a.xsd]
	  Core Schematrons [PDS4_OPS_0300a.sch]
	  Model Version 0300a
	Parameters:
	  Target(s) [zip_VG2PLS_archive]
	  Severity Level Warnings
	  Recurse Directories true
	  File Filter(s) Used [*.xml]
	Validation Details:
	  PASS: file: *testDir*/zip_VG2PLS_archive/Product_Bundle.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/browse/Collection_Browse.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/browse/ele_mom_browse.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/context/Collection_Context.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/context/InstHostPDS3_VG2.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/context/InstPDS3_PLS__VG2.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/context/TargetPDS3_JUPITER.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/data/Collection_Data.xml
	  FAIL: file: *testDir*/zip_VG2PLS_archive/data/ele_mom_tblChar.xml
	    ERROR line 80, 47: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'dph:spacecraft_clock_start_count'.
	    ERROR line 81, 46: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'dph:spacecraft_clock_stop_count'.
	  PASS: file: *testDir*/zip_VG2PLS_archive/document/checksums.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/document/Collection_document.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/document/errata.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/document/mission.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/document/plsinst.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml
	  PASS: file: *testDir*/zip_VG2PLS_archive/schemas/PDS4_PDS_0300a.xml
	Summary:
	  18 of 18 file(s) processed, 0 skipped
	  17 of 18 file(s) passed validation
	End of Report
	
	Step 3:
	
	PDS Validate Tool Report
	Configuration:
	  Version 1.2.0
	  Time Wed, Oct 24 2012 at 11:59:35 PM
	  Core Schematrons [PDS4_OPS_0300a.sch]
	  Model Version 0300a
	Parameters:
	  Target(s) [zip_VG2PLS_archive]
	  User-Specified Schemas [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xsd, zip_VG2PLS_archive/local_dictionaries/dph_example_dict_0300a.xsd]
	  Severity Level Warnings
	  Recurse Directories true
	  File Filter(s) Used [*.xml]
	Validation Details:
	  PASS: file:*testDir*/zip_VG2PLS_archive/Product_Bundle.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/browse/Collection_Browse.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/browse/ele_mom_browse.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/context/Collection_Context.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/context/InstHostPDS3_VG2.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/context/InstPDS3_PLS__VG2.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/context/TargetPDS3_JUPITER.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/data/Collection_Data.xml
	  PASS: file:testDir/zip_VG2PLS_archive/data/ele_mom_tblChar.xml
	  PASS: file *testDir*/zip_VG2PLS_archive/document/checksums.xml
	  PASS: file:*testDir*/zip_VG2PLS_archive/document/Collection_document.xml

PASS: file:*testDir*/zip_VG2PLS_archive/document/errata.xml
PASS: file:*testDir*/zip_VG2PLS_archive/document/mission.xml
PASS: file:*testDir*/zip_VG2PLS_archive/document/plsinst.xml
PASS: file:*testDir*/zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml
PASS: file:*testDir*/zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml
PASS: file:*testDir*/zip_VG2PLS_archive/schemas/PDS4_PDS_0300a.xml
Summary:
  18 of 18 file(s) processed, 0 skipped
  18 of 18 file(s) passed validation
End of Report

Step 4:
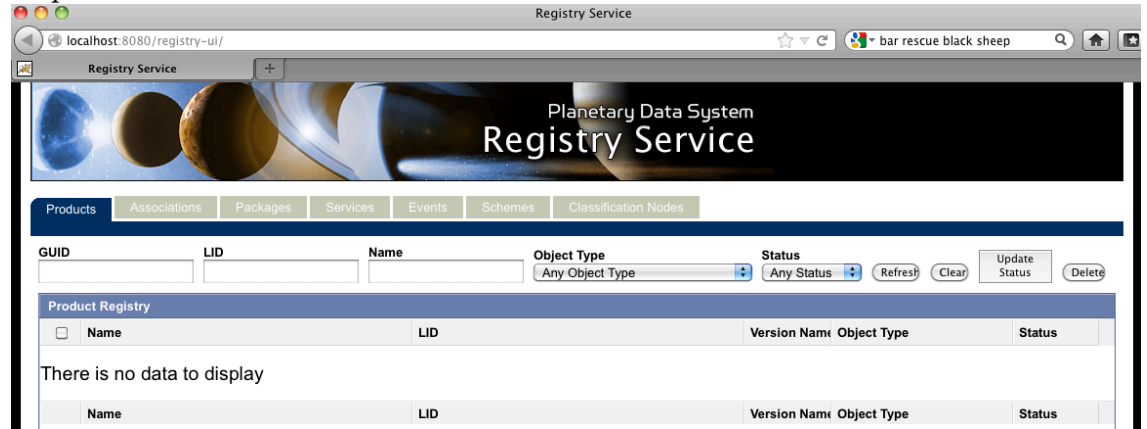
Step 5:

PDS Harvest Tool Log

Version   Version 1.3.0
Time   Thu, Oct 25 2012 at 12:13:49 AM
Severity Level   INFO
Registry Location   http://localhost:8080/registry
Registry Package Name   test validity using harvest
Registration Package GUID   urn:uuid:8259a962-e93f-4f8e-a125-96736b4ccb49

INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Begin processing.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] line 69: Mapping reference type 'bundle_has_browse_collection' to 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] line 74: Mapping reference type 'bundle_has_context_collection' to 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] line 79: Mapping reference type 'bundle_has_data_collection' to 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] line 84: Mapping reference type 'bundle_has_document_collection' to 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] line 89: Mapping reference type 'bundle_has_schema_collection' to 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Setting LID-based association, 'urn:nasa:pds:example.DPH.sampleArchive:browse', under slot name 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Setting LID-based association, 'urn:nasa:pds:example.DPH.sampleArchive:context', under slot name 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Setting LID-based association, 'urn:nasa:pds:example.DPH.sampleArchive:data', under slot name 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Setting LID-based association, 'urn:nasa:pds:example.DPH.sampleArchive:document', under slot name 'collection_ref'.
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Setting LID-based association, 'urn:nasa:pds:example.DPH.sampleArchive:schema', under slot name 'collection_ref'.
SUCCESS: [zip_VG2PLS_archive/Product_Bundle.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive::1.0
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Product has the following GUID: urn:uuid:859d0131-37bd-45f1-91e8-5f9f51a6ff0e
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Capturing file information for Product_Bundle.xml
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Capturing file object metadata for README.TXT
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/README.TXT': 5ef7af310b99d8189e670830c954a290
SUCCESS: [zip_VG2PLS_archive/Product_Bundle.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:Product_Bundle.xml::1.0
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Product has the following GUID:

urn:uuid:2b9bad1e-54e4-4894-bfda-ff9b2495b180
SUCCESS: [zip_VG2PLS_archive/Product_Bundle.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:README.TXT::1.0
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Product has the following GUID: urn:uuid:b27fbc49-5f43-40fd-bd78-d8e55befaa78
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Begin processing.
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] No associations found.
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:xml_schema::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Product has the following GUID: urn:uuid:178264b5-fd85-43d0-aaf4-b6ecc55fef75
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Capturing file information for aaCollection_XML_Schema.xml
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Capturing file object metadata for aaCollection_xml_schema_inventory.tab
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/schemas/aaCollection_xml_schema_inventory.tab': a9f1ebb455630dce4eebccec0b33ae10
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:xml_schema:aaCollection_XML_Schema.xml::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Product has the following GUID: urn:uuid:b5070044-fd97-406a-8a53-ef5f351fa390
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:xml_schema:aaCollection_xml_schema_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Product has the following GUID: urn:uuid:743e6ccf-3786-4a84-af95-b41dab8c0c8d
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Begin processing.
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] No associations found.
SUCCESS: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Successfully registered product: urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema::0.3
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Product has the following GUID: urn:uuid:dae76c79-140e-49e8-8401-0ae9b5624ae2
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Capturing file information for PDS4_OPS_0300a.xml
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Capturing file object metadata for PDS4_OPS_0300a.xsd
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Capturing file object metadata for PDS4_OPS_0300a.sch
SUCCESS: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Successfully registered product: urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema:PDS4_OPS_0300a.xml::0.3
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Product has the following GUID: urn:uuid:6532cd1b-6552-4938-be2c-4ffee667d302
SUCCESS: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Successfully registered product: urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema:PDS4_OPS_0300a.xsd::0.3
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Product has the following GUID: urn:uuid:cf525bf1-72ee-4445-91d9-f12be883bc36
SUCCESS: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Successfully registered product: urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema:PDS4_OPS_0300a.sch::0.3
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Product has the following GUID: urn:uuid:4e17e9d0-a9be-469e-b63e-baa0c3047c42
INFO: [zip_VG2PLS_archive/schemas/PDS4_PDS_0300a.xml] Begin processing.
INFO: [zip_VG2PLS_archive/schemas/PDS4_PDS_0300a.xml] No associations found.
ERROR: [zip_VG2PLS_archive/schemas/PDS4_PDS_0300a.xml] Product already exists: urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema::0.3
INFO: [zip_VG2PLS_archive/document/checksums.xml] Begin processing.
SKIP: [zip_VG2PLS_archive/document/checksums.xml] 'Product_File_Text' is not an object type found in the policy file.
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Begin processing.
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] No associations found.
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Product has the following GUID: urn:uuid:59b6e57d-a4c3-410e-93c5-be6c224fefc7
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Capturing file information for Collection_document.xml
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Capturing file object metadata for Collection_document_inventory.tab

INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/Collection_document_inventory.tab': ea3180ef684c50fe8d72982406f6347c
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:Collection_document.xml::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Product has the following GUID: urn:uuid:66e9ca41-4405-4a64-908f-ec1cc5942545
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:Collection_document_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Product has the following GUID: urn:uuid:520e6783-94d0-4977-be6d-c32bae117a09
INFO: [zip_VG2PLS_archive/document/errata.xml] Begin processing.
SKIP: [zip_VG2PLS_archive/document/errata.xml] 'Product_File_Text' is not an object type found in the policy file.
INFO: [zip_VG2PLS_archive/document/mission.xml] Begin processing.
INFO: [zip_VG2PLS_archive/document/mission.xml] line 37: Mapping reference type 'document_to_associate' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/document/mission.xml] line 41: Mapping reference type 'document_to_associate' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/document/mission.xml] Setting LID-based association, 'urn:nasa:pds:node.PPI', under slot name 'associate_ref'.
INFO: [zip_VG2PLS_archive/document/mission.xml] Setting LID-based association, 'urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST', under slot name 'associate_ref'.
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:MISSION::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID: urn:uuid:f5b85c6a-1fd8-4531-93cc-0bd49a15b2da
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file information for mission.xml
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for MISSION.ASC
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/MISSION/MISSION.ASC': 0186115a093a8c7f486909c1b4d8dfaf
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for MISSION.HTM
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/MISSION/MISSION.HTM': 76729523368075ca1481ad857dcfb0b4
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for MSNFIG1.GIF
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/MISSION/MSNFIG1.GIF': a35d5b295ced8bcff8109ba14882b90c
[snip…]
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for MSNTAB5.GIF
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/MISSION/MSNTAB5.GIF': 34c11c1f15e6b1b2b9b776bc80b3193c
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for LALPHA10.GIF
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/SYMBOLS/LALPHA10.GIF': 5ab4b875751e6aa287fd5052f4b0dc15
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for LSIGMA10.GIF
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/SYMBOLS/LSIGMA10.GIF': 9b9f6be9f0369993aa54019e1d9a95be
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for LSIGMA12.GIF
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/SYMBOLS/LSIGMA12.GIF': 7be58a6f60778ebc6a4cc90fb94dd314
INFO: [zip_VG2PLS_archive/document/mission.xml] Capturing file object metadata for UDELTA12.GIF
INFO: [zip_VG2PLS_archive/document/mission.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/SYMBOLS/UDELTA12.GIF': ba84c84f71878cf8af77d4bda13d0bfb
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:mission.xml::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID: urn:uuid:e4f4a440-e4c7-4b69-9fd0-8a62b5454903
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MISSION.ASC::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID: urn:uuid:d1c21f43-1877-4295-b57b-8cdba0fab834
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MISSION.HTM::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID: urn:uuid:949de5b6-dffd-41c7-9f44-8bda41a42ae9

SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNFIG1.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:12571e31-0eed-4833-b140-240a44a2079c
[snip…]
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNFIG9.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:5a366cd6-36f8-4b89-93d0-556293b8e9dc
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNTAB1.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:f7ba8a71-8ea6-45e9-a151-bee9c4fc541c
[snip…]
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNTAB5.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:9faa5d31-0994-46e3-8723-d801e354ee7c
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:LALPHA10.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:93ebc68e-ec15-4faf-8bbe-831bf365c4ea
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:LSIGMA10.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:c2c9bf6e-88f9-4ac1-ab89-483a8cd724c0
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:LSIGMA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:1a3f8e43-9722-4d12-a0a0-c9a7c6b7107c
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:UDELTA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Product has the following GUID:
urn:uuid:2432385f-83f2-4216-8d09-539b67062b3e
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Begin processing.
INFO: [zip_VG2PLS_archive/document/plsinst.xml] line 37: Mapping reference type
'document_to_associate' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/document/plsinst.xml] line 41: Mapping reference type
'document_to_associate' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Setting LID-based association,
'urn:nasa:pds:node.PPI', under slot name 'associate_ref'.
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Setting LID-based association,
'urn:nasa:pds:example.DPH.sampleArchive:document:MISSION', under slot name 'associate_ref'.
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product:
urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID:
urn:uuid:b1c7f7ed-f349-431e-85cb-225c0d1dee33
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file information for plsinst.xml
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for PLSINST.ASC
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object
'zip_VG2PLS_archive/document/PLS/PLSINST.ASC': 690c84d209641e830cb2ae2f4dd53960
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for EQ1.GIF
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object
'zip_VG2PLS_archive/document/PLS/EQ1.GIF': 7b169a3660cc6b2c49ac563e3f2a8a40
[snip…]
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for EQ_3_6.GIF
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object
'zip_VG2PLS_archive/document/PLS/EQ_3_6.GIF': c5e80721d07c317e692a8375851acaad
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for FIG1.GIF
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object
'zip_VG2PLS_archive/document/PLS/FIG1.GIF': 6081b9f56f9745250555d059fee13085
[snip…]
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for FIG9.GIF
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object
'zip_VG2PLS_archive/document/PLS/FIG9.GIF': 2c04600f6fe1abad768dbb3058b36a0f
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for PLSINST.HTM
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object
'zip_VG2PLS_archive/document/PLS/PLSINST.HTM': 78d2e65263e577f7420488dba0d2525f
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for TAB1.GIF
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object
'zip_VG2PLS_archive/document/PLS/TAB1.GIF': 278fd88302f008a4a115ca7921a1676c
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for TAB2A.GIF

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/PLS/TAB2A.GIF': 775a25a467c7994eab92c583872ecca2

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for TAB2B.GIF

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/PLS/TAB2B.GIF': fead0d68f743935ccd60ad111bcc765f

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for TAB3.GIF

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/PLS/TAB3.GIF': a228642e91d51ec2aa6b164ecb2036fe

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for LALPHA10.GIF

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/Symbols/LALPHA10.GIF': 5ab4b875751e6aa287fd5052f4b0dc15

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for LSIGMA10.GIF

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/Symbols/LSIGMA10.GIF': 9b9f6be9f0369993aa54019e1d9a95be

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for LSIGMA12.GIF

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/Symbols/LSIGMA12.GIF': 7be58a6f60778ebc6a4cc90fb94dd314

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Capturing file object metadata for UDELTA12.GIF

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/document/Symbols/UDELTA12.GIF': ba84c84f71878cf8af77d4bda13d0bfb

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:plsinst.xml::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:12e63f05-5629-43a1-a9de-f56ad88434b5

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:PLSINST.ASC::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:419b53f1-08eb-4f09-a922-5dc71f8ec57c

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:EQ1.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:117a05b0-3423-48b5-8545-15a7b4c48508

[snip…]

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:EQ_3_6.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:5bb75182-e581-4158-a8f8-0317f2b59832

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:FIG1.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:168db1c4-15b6-4514-9ba0-16037cff13f3

[snip…]

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:FIG9.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:2f022028-8cdc-4cab-a6b8-052989258486

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:PLSINST.HTM::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:c115d995-4e63-4f21-91ad-962f7d859f1b

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB1.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:e751285c-25f2-4e2b-a790-8df1528e6ccb

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB2A.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:dc6bcb18-6059-4da4-aebc-14588ad13e98

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB2B.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:9b4b6b0c-10c2-42eb-b4c5-5363b5b31400

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB3.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:8fc8e7de-3884-4cd1-ba4c-bae231cc3e8e

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:LALPHA10.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:d0e90205-7195-4461-98d0-c3a6abdc7551

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:LSIGMA10.GIF::1.0

INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:7b0885a2-4e29-4c2e-80c2-3713396547ae
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:LSIGMA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:5acea6ff-7d19-4f2e-ac14-477e052a846a
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:UDELTA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Product has the following GUID: urn:uuid:bf8ccd65-2970-4dc9-813c-3246a5a8f656
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Begin processing.
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] No associations found.
SUCCESS: [zip_VG2PLS_archive/data/Collection_Data.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:data::1.0
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Product has the following GUID: urn:uuid:5c7e8c52-2ae6-4009-b5e9-a9522b58c01f
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Capturing file information for Collection_Data.xml
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Capturing file object metadata for collection_data_inventory.tab
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/data/collection_data_inventory.tab': 7e3e9c78ee7788cfcca60ba9d14aeed8
SUCCESS: [zip_VG2PLS_archive/data/Collection_Data.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:data:Collection_Data.xml::1.0
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Product has the following GUID: urn:uuid:1364f6bf-2fed-45d5-b3e8-291f5df5cb1e
SUCCESS: [zip_VG2PLS_archive/data/Collection_Data.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:data:collection_data_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Product has the following GUID: urn:uuid:fd46a330-0184-4807-8a8f-7194444cd866
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Begin processing.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] line 41: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] line 52: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] line 61: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] line 71: Mapping reference type 'data_to_target' to 'target_ref'.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Setting LIDVID-based association, 'urn:nasa:pds:investigation.VOYAGER::1.0', under slot name 'investigation_ref'.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.PHX', under slot name 'instrument_host_ref'.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Setting LID-based association, 'urn:nasa:pds:instrument.PLS__VG2', under slot name 'instrument_ref'.
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.JUPITER::1.0', under slot name 'target_ref'.
SUCCESS: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:data:TableChar.VG2-J-PLS-5-SUMM-ELE-MOM-96.0SEC-V1.0::1.0
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Product has the following GUID: urn:uuid:2836ef4e-5cfe-4fcc-811b-c1f8ed1fc03b
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Capturing file information for ele_mom_tblChar.xml
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Capturing file object metadata for ELE_MOM.TAB
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/data/ELE_MOM.TAB': 2b555c42a7e7b4981407c9a824237f4a
SUCCESS: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:data:TableChar.VG2-J-PLS-5-SUMM-ELE-MOM-96.0SEC-V1.0:ele_mom_tblChar.xml::1.0
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Product has the following GUID: urn:uuid:9b844743-114e-4535-ba96-09173fd7ec87
SUCCESS: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:data:TableChar.VG2-J-PLS-5-SUMM-ELE-MOM-96.0SEC-V1.0:ELE_MOM.TAB::1.0
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Product has the following GUID: urn:uuid:a085c9be-ae71-498c-822b-5b77b12a7c86
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Begin processing.
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Mapping reference type

'inventory_has_member_product' to 'member_ref'.

INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] No associations found.

SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:context::1.0

INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Product has the following GUID: urn:uuid:a70f3ead-a05b-450a-bf67-04e679a85046

INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Capturing file information for Collection_Context.xml

INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Capturing file object metadata for collection_context_inventory.tab

INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/context/collection_context_inventory.tab': f758d94c164997741eb6fbe2f8ad0cfb

SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:context:Collection_Context.xml::1.0

INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Product has the following GUID: urn:uuid:911cb6a7-daad-4b70-a12c-ffb633012e6b

SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:context:collection_context_inventory.tab::1.0

INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Product has the following GUID: urn:uuid:85cd3d26-3147-4388-a546-349fe23874fc

INFO: [zip_VG2PLS_archive/context/InstHostPDS3_VG2.xml] Begin processing.

SKIP: [zip_VG2PLS_archive/context/InstHostPDS3_VG2.xml] Not a primary member.

INFO: [zip_VG2PLS_archive/context/InstPDS3_PLS__VG2.xml] Begin processing.

SKIP: [zip_VG2PLS_archive/context/InstPDS3_PLS__VG2.xml] Not a primary member.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Begin processing.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 36: Mapping reference type 'has_instrument_host' to 'instrument_host_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 40: Mapping reference type 'has_instrument_host' to 'instrument_host_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 44: Mapping reference type 'has_instrument' to 'instrument_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 48: Mapping reference type 'has_instrument' to 'instrument_ref'.

[snip…]

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 156: Mapping reference type 'has_instrument' to 'instrument_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 160: Mapping reference type 'has_target' to 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 164: Mapping reference type 'has_target' to 'target_ref'.

[snip…]

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] line 432: Mapping reference type 'has_target' to 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:instrument_host.VG1::1.0', under slot name 'instrument_host_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:instrument_host.VG2::1.0', under slot name 'instrument_host_ref'.

[snip…]

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:instrument.UVS__VG2::1.0', under slot name 'instrument_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.1989N1::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.1989N2::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ADRASTEA::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ALPHA_CEN::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ALPHA_LEO::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ALPHA_LYR::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ALPHA_PAV::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.AMALTHEA::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ARIEL::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ATLAS::1.0', under slot name 'target_ref'.

INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,

'urn:nasa:pds:target.BETA_CEN::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.BETA_CMA::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.CAL_LAMPS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.CALLISTO::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.CALYPSO::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.DARK::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.DARK_SKY::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.DIONE::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.DIONE_B::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.EARTH::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.ENCELADUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.EPIMETHEUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.EUROPA::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.GANYMEDE::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.HELENE::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.HYPERION::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.IAPETUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.IO::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.IO_PLASMA_TORUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.J_RINGS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.JANUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.JUPITER::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.METIS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.MIMAS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.MIRANDA::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.N_RINGS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.NEPTUNE::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.NEREID::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.OBERON::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.ORION::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.PANDORA::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.PHOEBE::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.PLAQUE::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.PLEIADES::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.PROMETHEUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,
'urn:nasa:pds:target.PUCK::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association,

'urn:nasa:pds:target.RHEA::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.ROCK::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.S_RINGS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SATURN::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SCAT_LIGHT::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SCORPIUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SIGMA_SGR::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SKY::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SL9::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SOLAR_SYSTEM::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.STAR::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SUN::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.SYSTEM::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.TELESTO::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.TETHYS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.THEBE::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.TITAN::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.TITANIA::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.TRITON::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.U_RINGS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.UMBRIEL::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.URANUS::1.0', under slot name 'target_ref'.
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Setting LIDVID-based association, 'urn:nasa:pds:target.VEGA::1.0', under slot name 'target_ref'.
SUCCESS: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Successfully registered product: urn:nasa:pds:mission.VOYAGER::1.0
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Product has the following GUID: urn:uuid:12ccd205-8a73-4862-81bb-6800325bca9e
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Capturing file information for MissionPDS3_VOYAGER.xml
SUCCESS: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Successfully registered product: urn:nasa:pds:mission.VOYAGER:MissionPDS3_VOYAGER.xml::1.0
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Product has the following GUID: urn:uuid:a99b8d02-538a-46f1-ae5d-d7e1ad900af7
INFO: [zip_VG2PLS_archive/context/TargetPDS3_JUPITER.xml] Begin processing.
SKIP: [zip_VG2PLS_archive/context/TargetPDS3_JUPITER.xml] Not a primary member.
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Begin processing.
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] No associations found.
SUCCESS: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:browse::1.0
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Product has the following GUID: urn:uuid:f0b08d5e-ad9f-46a4-a56a-73ab2cc252c2
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Capturing file information for Collection_Browse.xml
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Capturing file object metadata for collection_browse_inventory.tab
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/browse/collection_browse_inventory.tab': e594828517d4e7e40bd5b6a16c8b880e

SUCCESS: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:browse:Collection_Browse.xml::1.0
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Product has the following GUID: urn:uuid:42683571-4158-46ce-98f2-9f12607fdfd4
SUCCESS: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:browse:collection_browse_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Product has the following GUID: urn:uuid:cba7d229-a82c-410d-8062-1ecaafb3c12c
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Begin processing.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] line 29: Mapping reference type 'has_association' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] line 33: Mapping reference type 'has_association' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] line 37: Mapping reference type 'has_association' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] line 41: Mapping reference type 'has_association' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] line 45: Mapping reference type 'has_association' to 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Setting LIDVID-based association, 'urn:nasa:pds:investigation.PHOENIX::1.0', under slot name 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.PHX', under slot name 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Setting LID-based association, 'urn:nasa:pds:instrument.TT__PHX', under slot name 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Setting LID-based association, 'urn:nasa:pds:target.MARS', under slot name 'associate_ref'.
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Setting LID-based association, 'urn:nasa:pds:node.PPI', under slot name 'associate_ref'.
SUCCESS: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:browse:ELE_MOM::1.0
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Product has the following GUID: urn:uuid:7df3cd83-8f27-48fb-bafe-a7011739c7d4
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Capturing file information for ele_mom_browse.xml
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Capturing file object metadata for ELE_MOM.PDF
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Found checksum in the product label for file object 'zip_VG2PLS_archive/browse/ELE_MOM.PDF': 3ff61c98cbed11e99690f76b5f6831b0
SUCCESS: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:browse:ELE_MOM:ele_mom_browse.xml::1.0
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Product has the following GUID: urn:uuid:3207784f-fd2e-45ac-b0e5-095431253727
SUCCESS: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Successfully registered product: urn:nasa:pds:example.DPH.sampleArchive:browse:ELE_MOM:ELE_MOM.PDF::1.0
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Product has the following GUID: urn:uuid:b991e062-c517-4988-88ec-971cf223c111
SUCCESS: [zip_VG2PLS_archive/Product_Bundle.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:Product_Bundle.xml::1.0
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Association has the following GUID: urn:uuid:f7f39461-82bf-4c65-89ad-f9dd81a5aa5c
SUCCESS: [zip_VG2PLS_archive/Product_Bundle.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:README.TXT::1.0
INFO: [zip_VG2PLS_archive/Product_Bundle.xml] Association has the following GUID: urn:uuid:7ad62bf1-54d1-4f58-b7f8-e377af14c380
WARNING: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Product not found in registry for reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0300a.xsd::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0300a.xsd::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Association has the following GUID: urn:uuid:ee0709c2-0c4a-4a5a-9706-f40ec9c1c5f8
WARNING: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Product not found in registry for reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0300a.xsd::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0300a.xsd::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Association has the following GUID: urn:uuid:59ab6c3a-8d25-4233-a218-e263aec16a9d
WARNING: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Product not found in registry for reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0300a.sch::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0300a.sch::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Association has the following GUID: urn:uuid:a381cd2f-6a48-454d-afa7-277149a2102a
WARNING: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Product not found in registry for reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0300a.sch::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0300a.sch::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Association has the following GUID: urn:uuid:9385ac0c-2271-4b7a-96b2-a8c112fbc613
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:xml_schema:aaCollection_XML_Schema.xml::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Association has the following GUID: urn:uuid:5d7f1caa-d814-47a8-9ebd-6edbd292d156
SUCCESS: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:xml_schema:aaCollection_xml_schema_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/schemas/aaCollection_XML_Schema.xml] Association has the following GUID: urn:uuid:2d28fb5b-a237-4564-b20e-018140cbcef4
SUCCESS: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Successfully registered association to urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema:PDS4_OPS_0300a.xml::0.3
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Association has the following GUID: urn:uuid:2023b977-fe85-4821-8e3f-a9ebf6d04477
SUCCESS: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Successfully registered association to urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema:PDS4_OPS_0300a.xsd::0.3
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Association has the following GUID: urn:uuid:1baf9ff2-2706-4617-9bed-a0ec82150957
SUCCESS: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Successfully registered association to urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema:PDS4_OPS_0300a.sch::0.3
INFO: [zip_VG2PLS_archive/schemas/PDS4_OPS_0300a.xml] Association has the following GUID: urn:uuid:653b0aa2-2d9e-48b8-9724-9568a544b75c
WARNING: [zip_VG2PLS_archive/document/Collection_document.xml] Product not found in registry for reference: urn:nasa:pds:example.DPH.sampleArchive:document:CHECKSUMS::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:CHECKSUMS::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Association has the following GUID: urn:uuid:779d7d9b-9491-42e8-b27a-b11b0c36ae8b
WARNING: [zip_VG2PLS_archive/document/Collection_document.xml] Product not found in registry for reference: urn:nasa:pds:example.DPH.sampleArchive:document:ERRATA::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:ERRATA::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Association has the following GUID: urn:uuid:20327a2e-a1a9-433f-8db0-bddfdea5cfb2
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Found registered product for reference: urn:nasa:pds:example.DPH.sampleArchive:document:MISSION::1.0
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Association has the following GUID: urn:uuid:5bdd5767-6882-430d-865e-ad01c88d0e3c
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Found registered product for reference: urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST::1.0
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Association has the following GUID: urn:uuid:58e97012-347f-4812-86f9-a516b7f5195a
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:Collection_document.xml::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Association has the following GUID: urn:uuid:78eb533d-a9f7-44ac-8ea2-4eda8f937d46
SUCCESS: [zip_VG2PLS_archive/document/Collection_document.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:Collection_document_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/document/Collection_document.xml] Association has the following GUID: urn:uuid:58876e5b-cb01-4bba-b5b6-6a83b87fcd94
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:mission.xml::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:ac5d095b-6dd6-4b30-ac51-f298f265e199

SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MISSION.ASC::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:5b07bb07-cbfd-4efa-97d0-62721f2ce8ea
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MISSION.HTM::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:f641862b-6f50-4d54-95c9-1b4d9780f668
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNFIG1.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:dd15b840-a199-4292-83e3-eb1425265f6c
[snip…]
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNFIG9.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:56109b0d-43ea-4434-81e8-006e9ce4372a
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNTAB1.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:b76ce14b-297d-41fd-91ff-4922904342d1
[snip…]
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:MSNTAB5.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:f8532dc1-5db7-4164-bbbb-8583691d6ae6
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:LALPHA10.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:0fc2c88d-ccaa-4cc6-8579-212254b9f463
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:LSIGMA10.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:64b1f94c-0b4a-4060-b1ce-847c261f0fce
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:LSIGMA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:6c137e98-5f83-40e3-9fd9-cff00aca79f2
SUCCESS: [zip_VG2PLS_archive/document/mission.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:MISSION:UDELTA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/mission.xml] Association has the following GUID: urn:uuid:dd06a55c-c436-4484-aead-39f7b972cdb0
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:plsinst.xml::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:eb155499-ad42-4572-82e6-294b0ca2eea4
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:PLSINST.ASC::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:367ff7bd-20c0-43d0-9ee1-b7cca29fa185
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:EQ1.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:d25628fe-6602-45f6-b4c4-d97c5a41d974
[snip…]
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:EQ_3_6.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:67a479b1-4ad0-4ac6-aeb7-daf8e4298240
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:FIG1.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:7b5701e6-0fc0-4383-8ea2-36002f6f836b
[snip…]
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:FIG9.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:4fd71678-13e7-4cb2-858e-a58a846a5be7
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:PLSINST.HTM::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:0d30d03d-e7fb-45cc-a9c6-f71013983f08

SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB1.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:7fa46d7c-be2b-492b-9169-ca6973a63310
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB2A.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:6bb492b8-ae69-4dae-869b-bfaad46bc26f
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB2B.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:ff0f2ecd-1591-42be-b82e-4c4da2e98a72
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:TAB3.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:a4a5dc68-e6f9-4365-8e19-c85704c843fa
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:LALPHA10.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:f37b0dc6-8d01-40e6-9a9f-d76573f702d1
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:LSIGMA10.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:aff69dff-9737-49b7-b8ec-4fc1f0f1b835
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:LSIGMA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:e98fa73a-5b94-4337-aadc-fe2d881b8c43
SUCCESS: [zip_VG2PLS_archive/document/plsinst.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:document:PLSINST:UDELTA12.GIF::1.0
INFO: [zip_VG2PLS_archive/document/plsinst.xml] Association has the following GUID: urn:uuid:bdd50ccb-594b-4510-9d17-a1207113a245
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Found registered product for reference: urn:nasa:pds:example.DPH.sampleArchive:data:TableChar.VG2-J-PLS-5-SUMM-ELE-MOM-96.0SEC-V1.0::1.0
SUCCESS: [zip_VG2PLS_archive/data/Collection_Data.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:data:TableChar.VG2-J-PLS-5-SUMM-ELE-MOM-96.0SEC-V1.0::1.0
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Association has the following GUID: urn:uuid:f1fb9fc4-ccfb-4475-9b1d-8020d4fe25fd
SUCCESS: [zip_VG2PLS_archive/data/Collection_Data.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:data:Collection_Data.xml::1.0
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Association has the following GUID: urn:uuid:49fe4dbc-a167-49f4-abde-391713dca3d6
SUCCESS: [zip_VG2PLS_archive/data/Collection_Data.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:data:collection_data_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/data/Collection_Data.xml] Association has the following GUID: urn:uuid:d29e1c5e-9144-457b-a37a-c73be3118bcd
SUCCESS: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:data:TableChar.VG2-J-PLS-5-SUMM-ELE-MOM-96.0SEC-V1.0:ele_mom_tblChar.xml::1.0
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Association has the following GUID: urn:uuid:d07de395-dd90-43a8-8d18-7e247a21d7fb
SUCCESS: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:data:TableChar.VG2-J-PLS-5-SUMM-ELE-MOM-96.0SEC-V1.0:ELE_MOM.TAB::1.0
INFO: [zip_VG2PLS_archive/data/ele_mom_tblChar.xml] Association has the following GUID: urn:uuid:4a81ef6a-f54b-44e9-a5f8-1cc871e88817
WARNING: [zip_VG2PLS_archive/context/Collection_Context.xml] Product not found in registry for reference: urn:nasa:pds:instrument_host.VG2::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered association to urn:nasa:pds:instrument_host.VG2::1.0
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Association has the following GUID: urn:uuid:3b379e88-1506-4b40-b5f7-a2eb818fad5b
WARNING: [zip_VG2PLS_archive/context/Collection_Context.xml] Product not found in registry for reference: urn:nasa:pds:instrument.PLS__VG2::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered association to urn:nasa:pds:instrument.PLS__VG2::1.0
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Association has the following GUID: urn:uuid:180ebd3c-89af-4e84-a257-dc0516a494ea

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WARNING: [zip_VG2PLS_archive/context/Collection_Context.xml] Product not found in registry for reference: urn:nasa:pds:investigation.VOYAGER::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered association to urn:nasa:pds:investigation.VOYAGER::1.0
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Association has the following GUID: urn:uuid:fc684132-5cde-48f5-b7b3-5607d45cc2a7
WARNING: [zip_VG2PLS_archive/context/Collection_Context.xml] Product not found in registry for reference: urn:nasa:pds:target.JUPITER::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered association to urn:nasa:pds:target.JUPITER::1.0
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Association has the following GUID: urn:uuid:5407dcc3-b239-4d18-ad33-d7cae489e6ec
SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:context:Collection_Context.xml::1.0
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Association has the following GUID: urn:uuid:63c7c491-7bba-40a2-9ae6-bee7117785a7
SUCCESS: [zip_VG2PLS_archive/context/Collection_Context.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:context:collection_context_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/context/Collection_Context.xml] Association has the following GUID: urn:uuid:33494b62-ce2d-4b25-8b82-a8396d2e6ad4
SUCCESS: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Successfully registered association to urn:nasa:pds:mission.VOYAGER:MissionPDS3_VOYAGER.xml::1.0
INFO: [zip_VG2PLS_archive/context/MissionPDS3_VOYAGER.xml] Association has the following GUID: urn:uuid:d9ac2e43-d56d-424f-a7a2-5abf134dc550
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Found registered product for reference: urn:nasa:pds:example.DPH.sampleArchive:browse:ELE_MOM::1.0
SUCCESS: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:browse:ELE_MOM::1.0
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Association has the following GUID: urn:uuid:4429b989-1828-4fa2-b266-f615e6034a71
SUCCESS: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:browse:Collection_Browse.xml::1.0
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Association has the following GUID: urn:uuid:b19d7c89-2434-4162-a840-68da05b36857
SUCCESS: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:browse:collection_browse_inventory.tab::1.0
INFO: [zip_VG2PLS_archive/browse/Collection_Browse.xml] Association has the following GUID: urn:uuid:d53c0fe1-c207-45b5-ada4-00d8b8c46b85
SUCCESS: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:browse:ELE_MOM:ele_mom_browse.xml::1.0
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Association has the following GUID: urn:uuid:73093e23-23c7-42fb-abf9-418e7bf2fa05
SUCCESS: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Successfully registered association to urn:nasa:pds:example.DPH.sampleArchive:browse:ELE_MOM:ELE_MOM.PDF::1.0
INFO: [zip_VG2PLS_archive/browse/ele_mom_browse.xml] Association has the following GUID: urn:uuid:c08fd9e0-ef5d-48bb-8719-52fe8a7c5599
Summary:
13 of 13 file(s) processed, 5 other file(s) skipped
1 error(s), 10 warning(s)
12 of 13 products registered.
79 of 79 ancillary products registered.
Product Types Registered:
2 Product_Document
1 Product_Mission_PDS3
1 Product_Browse
1 Product_Observational
1 Product_XML_Schema
1 Product_Bundle
5 Product_Collection
79 Product_File_Repository
93 of 93 associations registered.
End of Log

Step 5:

Step 2:

       PDS Validate Tool Report

Configuration

Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	BNDL.T2
Description	Validate old dataset. Specify old schema and schematron to validate correctly. Specify modified harvest configuration file to set default namespace.
Test Steps	1. Reset database 2. validate MGS_RS_RAW-20120905 -e '*.xml' 3. validate MGS_RS_RAW-20120905 -e '*.xml' -x MGS_RS_RAW-20120905/SCHEMA/PDS4_PDS_0910B.xsd -S MGS_RS_RAW-20120905/SCHEMA/PDS4_PDS_0910B.sch 4. harvest MGS_RS_RAW-20120905 -e '*.xml' -c harvestConfigMGS.xml 5. In a browser, http://localhost:8080/registry-ui

Test Results	Step 1:
	Step 2:
	    PDS Validate Tool Report
	    Configuration:
	      Version 1.2.0
	      Time Thu, Oct 25 2012 at 12:49:07 AM
	      Core Schemas [PDS4_OPS_0300a.xsd]
	      Core Schematrons [PDS4_OPS_0300a.sch]
	      Model Version 0300a
	    Parameters:
	      Target(s) [MGS_RS_RAW-20120905]

```
                              Severity Level          Warnings
                               Recurse Directories        true
                               File Filter(s) Used     [*.xml]
                             Validation Details:
                              FAIL: file:testDir/MGS_RS_RAW-20120905/bundle_1.xml
                                ERROR  line 10, 74: cvc-elt.1.a: Cannot find the declaration of element 'Product_Bundle'.
                             [snip…]
                              FAIL: file:testDir/MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml
                                ERROR  line 9, 78: cvc-elt.1.a: Cannot find the declaration of element 'Product_Collection'.
                             Summary:
                              20 of 20 file(s) processed, 0 skipped
                              0 of 20 file(s) passed validation
                             End of Report
```

Step 3:

```
                             PDS Validate Tool Report
                             Configuration:
                              Version             1.2.0
                              Time                Thu, Oct 25 2012 at 10:27:21 AM
                             Parameters:
                               Target(s)              [MGS_RS_RAW-20120905]
                               User-Specified Schemas    [MGS_RS_RAW-20120905/SCHEMA/PDS4_PDS_0910B.xsd]
                               User-Specified Schematrons   [MGS_RS_RAW-20120905/SCHEMA/PDS4_PDS_0910B.sch]
                              Severity Level          Warnings
                              Recurse Directories        true
                              File Filter(s) Used     [*.xml]
                             Validation Details:
                              PASS: file:testDir/MGS_RS_RAW-20120905/bundle_1.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/CONTEXT/instrument.RSS.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/CONTEXT/instrument_host.DSN.xml
                              PASS: file:testDir/MGS_RS_RAW-
                             20120905/CONTEXT/instrument_host.MARS_GLOBAL_SURVEYOR.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/CONTEXT/mission.MARS_GLOBAL_SURVEYOR.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/CONTEXT/target.DEIMOS.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/CONTEXT/target.MARS.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/CONTEXT/target.PHOBOS.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/DATA/53100702.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/DATA/collection_1.0.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml
                              PASS: file:testDir/MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml
                             Summary:
                              20 of 20 file(s) processed, 0 skipped
                              20 of 20 file(s) passed validation
                             End of Report
```

Step 4:

```
                             PDS Harvest Tool Log
                             Version             Version 1.3.0
                             Time                Thu, Oct 25 2012 at 10:31:41 AM
                             Severity Level      INFO
                             Registry Location      http://localhost:8080/registry
                             Registry Package Name     test validity using harvest
                             Registration Package GUID   urn:uuid:fdd5e11c-becd-44bd-848a-73606f0d25b1
                             INFO:  XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v09
                             INFO:  [MGS_RS_RAW-20120905/bundle_1.xml] Begin processing.
                             INFO:  [MGS_RS_RAW-20120905/bundle_1.xml] line 51: Mapping reference type
                             'bundle_has_data_collection' to 'collection_ref'.
                             INFO:  [MGS_RS_RAW-20120905/bundle_1.xml] line 57: Mapping reference type
                             'bundle_has_document_collection' to 'collection_ref'.
                             INFO:  [MGS_RS_RAW-20120905/bundle_1.xml] line 63: Mapping reference type
                             'bundle_has_schema_collection' to 'collection_ref'.
                             INFO:  [MGS_RS_RAW-20120905/bundle_1.xml] line 69: Mapping reference type
                             'bundle_has_context_collection' to 'collection_ref'.
                             INFO:  [MGS_RS_RAW-20120905/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:MGS-M-
                             RSS-1-RAW-V1.0:DATA', under slot name 'collection_ref'.
```

INFO: [MGS_RS_RAW-20120905/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT', under slot name 'collection_ref'.
INFO: [MGS_RS_RAW-20120905/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:SCHEMA', under slot name 'collection_ref'.
INFO: [MGS_RS_RAW-20120905/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:CONTEXT', under slot name 'collection_ref'.
SUCCESS: [MGS_RS_RAW-20120905/bundle_1.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0::1.0
INFO: [MGS_RS_RAW-20120905/bundle_1.xml] Product has the following GUID: urn:uuid:64a114bd-1e04-456f-bcd6-c3a50e4dd491
INFO: [MGS_RS_RAW-20120905/bundle_1.xml] Capturing file information for bundle_1.xml
SUCCESS: [MGS_RS_RAW-20120905/bundle_1.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:bundle_1.xml::1.0
INFO: [MGS_RS_RAW-20120905/bundle_1.xml] Product has the following GUID: urn:uuid:c2a49a21-87fa-4d8b-9eb5-9cae53fbf625
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:SCHEMA:collection_1.0::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Product has the following GUID: urn:uuid:b5116010-a4d2-41ad-a5bb-402c5914af7c
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Capturing file information for aaCollection.xml.xml
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Capturing file object metadata for aaCollection_xml_schema_inventory.tab
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Found checksum in the product label for file object 'MGS_RS_RAW-20120905/SCHEMA/aaCollection_xml_schema_inventory.tab': ea8928ee4a6a3ba51e10c2c36976f3bd
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:SCHEMA:collection_1.0:aaCollection.xml.xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Product has the following GUID: urn:uuid:ff010b44-eb13-44df-b535-9fb07e4c207c
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:SCHEMA:collection_1.0:aaCollection_xml_schema_inventory.tab::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Product has the following GUID: urn:uuid:977e81c9-54d9-49e3-9bde-ed3f560600c5
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Successfully registered product: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Product has the following GUID: urn:uuid:3dae8893-8368-4792-8484-9019c25a9ecd
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Capturing file information for aaLabel_SCH_PDS4_OPS_0910B.xml
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Capturing file object metadata for PDS4_OPS_0910B.sch
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Found checksum in the product label for file object 'MGS_RS_RAW-20120905/SCHEMA/PDS4_OPS_0910B.sch': a5d9d6f2bc894733b178d55f7f3547de
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Successfully registered product: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.sch:aaLabel_SCH_PDS4_OPS_0910B.xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Product has the following GUID: urn:uuid:bf760172-f306-47fc-99d1-0dd7501f3500
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Successfully registered product: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.sch:PDS4_OPS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Product has the following GUID: urn:uuid:4d180c52-07fd-4187-a31f-23f9082cff33
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Successfully registered product: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Product has the following GUID: urn:uuid:6c10b8d6-bb89-484c-80a1-b47e89750a6c
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Capturing file

information for aaLabel_SCH_PDS4_PDS_0910B.xml
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Capturing file object metadata for PDS4_PDS_0910B.sch
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Found checksum in the product label for file object 'MGS_RS_RAW-20120905/SCHEMA/PDS4_PDS_0910B.sch': 9d4f80b682b389203b5ca948069ebd97
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Successfully registered product:
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.sch:aaLabel_SCH_PDS4_PDS_0910B.xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Product has the following GUID: urn:uuid:e998a30c-bf60-40b5-ad8d-fe7cc55bfb77
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Successfully registered product:
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.sch:PDS4_PDS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Product has the following GUID: urn:uuid:fa893ef3-d682-4851-beca-feeb114b366e
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Successfully registered product: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Product has the following GUID: urn:uuid:1252ed50-d98f-40c9-b585-cc2aaf9f09ce
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Capturing file information for aaLabel_XSD_PDS4_OPS_0910B.xml
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Capturing file object metadata for PDS4_OPS_0910B.xsd
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Found checksum in the product label for file object 'MGS_RS_RAW-20120905/SCHEMA/PDS4_OPS_0910B.xsd': 1cf8caa8635b79877bb0323c16374d23
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Successfully registered product:
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.xsd:aaLabel_XSD_PDS4_OPS_0910B.xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Product has the following GUID: urn:uuid:b2d9da17-7bec-4041-b178-be5838bc16ce
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Successfully registered product:
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.xsd:PDS4_OPS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Product has the following GUID: urn:uuid:ced1d4d3-a98e-47d0-b2b9-51be9c14157b
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Successfully registered product: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Product has the following GUID: urn:uuid:07b9af0d-40ae-46c5-8bff-ea8643b4ed93
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Capturing file information for aaLabel_XSD_PDS4_PDS_0910B.xml
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Capturing file object metadata for PDS4_PDS_0910B.xsd
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Found checksum in the product label for file object 'MGS_RS_RAW-20120905/SCHEMA/PDS4_PDS_0910B.xsd': 2f9a85ce159b3950472d0d3f249e1132
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Successfully registered product:
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.xsd:aaLabel_XSD_PDS4_PDS_0910B.xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Product has the following GUID: urn:uuid:99fbb826-82c5-4fc2-99ab-bcef31075105
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Successfully registered product:
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.xsd:PDS4_PDS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Product has the following GUID: urn:uuid:8a1ad2b5-a68f-4820-8615-24da4cd082be
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL::1.0
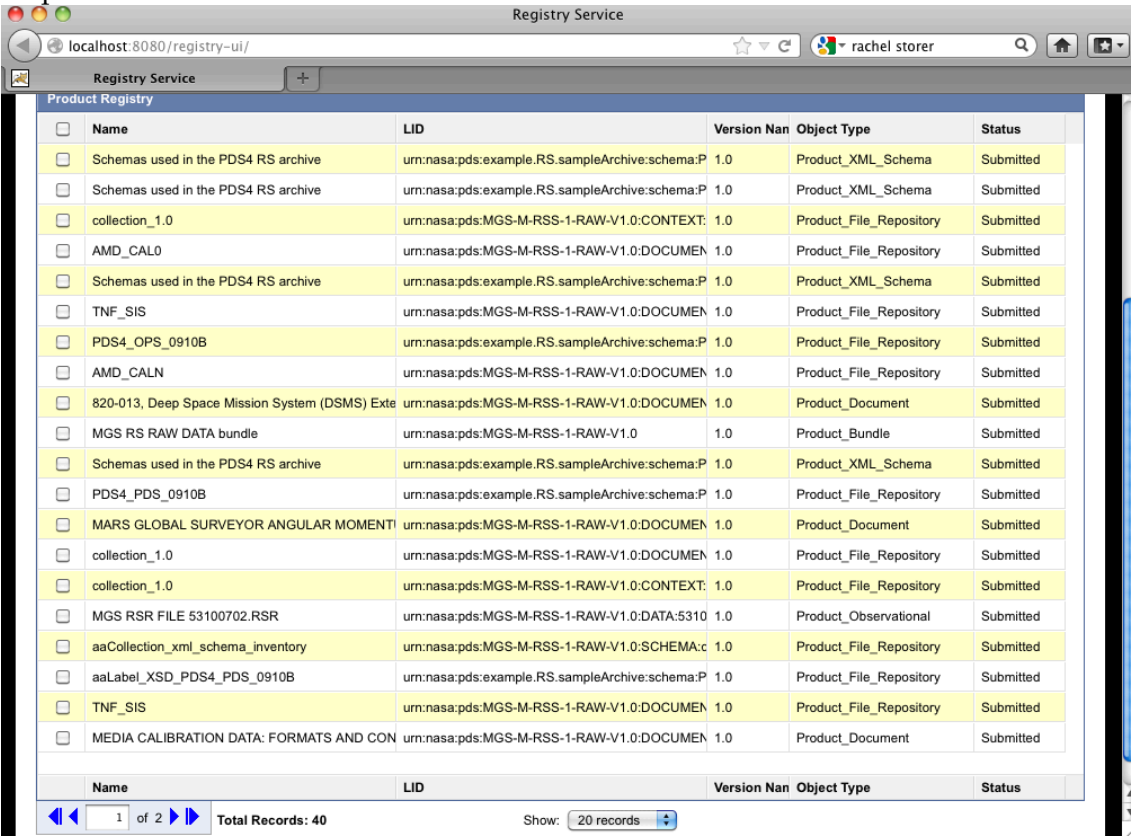INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Product has the following GUID:

urn:uuid:90a3257d-18a3-44ec-9604-4ab8fa25b84a
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Capturing file information for
AMD_CAL.xml
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Capturing file object metadata for
AMD_CAL0.ASC
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Found checksum in the product label
for file object 'MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL0.ASC':
a9e5e91d70aebee32d673fc6dace61ec
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Capturing file object metadata for
AMD_CALN.ASC
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Found checksum in the product label
for file object 'MGS_RS_RAW-20120905/DOCUMENT/AMD_CALN.ASC':
5f5025ef96bb6ff793f12f42acc65fb3
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Capturing file object metadata for
AMD_CALS.ASC
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Found checksum in the product label
for file object 'MGS_RS_RAW-20120905/DOCUMENT/AMD_CALS.ASC':
b2912e2c17d4991fd30aec41111bf0f6
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CAL.xml::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Product has the following GUID:
urn:uuid:f80d74ed-a81d-4b02-809d-4979e682742c
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CAL0.ASC::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Product has the following GUID:
urn:uuid:39c8d2d2-3108-4b9d-8504-1b014322031d
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CALN.ASC::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Product has the following GUID:
urn:uuid:5071a187-18c9-4492-8539-c839a76c232c
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CALS.ASC::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Product has the following GUID:
urn:uuid:b20e2bc4-4f5e-4f7d-bba0-53f982963900
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Mapping reference type
'inventory_has_member_product' to 'member_ref'.
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Product has the following GUID:
urn:uuid:b4dba155-ae93-4f62-a000-e61618c73eb9
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Capturing file information for
collection_1.0.xml
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Capturing file object metadata for
collection_1.0.tab
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Found checksum in the product
label for file object 'MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.tab':
00d5d2d4be1214403ba0682dc4ad1922
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:collection_1.0.xml::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Product has the following GUID:
urn:uuid:cd4e5799-c8f4-42cf-b973-416b88587cd5
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:collection_1.0.tab::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Product has the following GUID:
urn:uuid:951559f3-4173-4f75-a3d7-59e79d6fc834
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:MEDIASIS::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Product has the following GUID:
urn:uuid:aa5429f5-3404-4563-b53d-4e0dc44c8beb
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Capturing file information for
MEDIASIS.xml
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Capturing file object metadata for
MEDIASIS.HTM
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Found checksum in the product label
for file object 'MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.HTM':
e43f594c30df884bf48618ef796eca90
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:MEDIASIS:MEDIASIS.xml::1.0

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INFO:   [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Product has the following GUID:
urn:uuid:aae17c74-e667-4250-9b32-cf9d52316716
SUCCESS:   [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:MEDIASIS:MEDIASIS.HTM::1.0
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Product has the following GUID:
urn:uuid:ad00f1ca-d942-41d5-93c1-c9ff443def17
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Begin processing.
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] No associations found.
SUCCESS:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:TNF_SIS::1.0
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Product has the following GUID:
urn:uuid:5656188d-0868-4318-91e5-041f111590ab
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Capturing file information for
TNF_SIS.xml
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Capturing file object metadata for
TNF_SIS.TXT
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Found checksum in the product label for
file object 'MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.TXT': eb5eccd89361b7f7f8805df7256136cd
SUCCESS:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:TNF_SIS:TNF_SIS.xml::1.0
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Product has the following GUID:
urn:uuid:3dfee30a-4a91-449f-96c7-fa6736e6f009
SUCCESS:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:TNF_SIS:TNF_SIS.TXT::1.0
INFO:   [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Product has the following GUID:
urn:uuid:a0946173-d35e-44fc-a29b-2d6901803a36
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Begin processing.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] line 50: Mapping reference type
'data_to_investigation' to 'investigation_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] line 62: Mapping reference type
'is_instrument_host' to 'instrument_host_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] line 71: Mapping reference type
'is_instrument_host' to 'instrument_host_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] line 80: Mapping reference type 'is_instrument'
to 'instrument_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] line 91: Mapping reference type 'data_to_target'
to 'target_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Setting LID-based association,
'urn:nasa:pds:mission.MARS_GLOBAL_SURVEYOR', under slot name 'investigation_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Setting LID-based association,
'urn:nasa:pds:instrument_host.MGS', under slot name 'instrument_host_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Setting LID-based association,
'urn:nasa:pds:instrument_host.MGS', under slot name 'instrument_host_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Setting LID-based association,
'urn:nasa:pds:instrument.RSS__MGS', under slot name 'instrument_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Setting LID-based association,
'urn:nasa:pds:target.MARS', under slot name 'target_ref'.
SUCCESS:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DATA:53100702.RSR::1.1
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Product has the following GUID:
urn:uuid:97311571-448c-4092-866e-3215b96ca7d9
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Capturing file information for 53100702.xml
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Capturing file object metadata for
53100702.RSR
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Found checksum in the product label for file
object 'MGS_RS_RAW-20120905/DATA/53100702.RSR': 5d8c3984b0d482d17446d29f68b680ae
SUCCESS:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DATA:53100702.RSR:53100702.xml::1.1
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Product has the following GUID:
urn:uuid:f0eb3e53-6702-42ce-81e9-5536d2951938
SUCCESS:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DATA:53100702.RSR:53100702.RSR::1.1
INFO:   [MGS_RS_RAW-20120905/DATA/53100702.xml] Product has the following GUID:
urn:uuid:e34e27a9-251c-4c80-b868-f0fc33ad25df
INFO:   [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Begin processing.
INFO:   [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Mapping reference type
'inventory_has_member_product' to 'member_ref'.
INFO:   [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] No associations found.
SUCCESS:   [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Successfully registered product:
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:RSR::1.0
INFO:   [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Product has the following GUID:
urn:uuid:de711cac-c63e-4162-813a-12c2c32d7743
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INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Capturing file information for collection_1.0.xml
INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Capturing file object metadata for collection_1.0.tab
INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Found checksum in the product label for file object 'MGS_RS_RAW-20120905/DATA/collection_1.0.tab': bfd339df0a7b479c6f6ba2e1640fa638
SUCCESS: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:RSR:collection_1.0.xml::1.0
INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Product has the following GUID: urn:uuid:b2dbacd6-696c-4bf1-b122-2b042f442f05
SUCCESS: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:RSR:collection_1.0.tab::1.0
INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Product has the following GUID: urn:uuid:b3ca74de-e814-44d0-8b63-624bfd1909e5
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Begin processing.
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] No associations found.
SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:CONTEXT::1.0
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product has the following GUID: urn:uuid:fec5cda2-b3c6-45eb-a14a-64c025c5b292
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Capturing file information for collection_1.0.xml
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Capturing file object metadata for collection_1.0.tab
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Found checksum in the product label for file object 'MGS_RS_RAW-20120905/CONTEXT/collection_1.0.tab': 19a57ea42a626eb06d7f8201e65fb7a5
SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:CONTEXT:collection_1.0.xml::1.0
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product has the following GUID: urn:uuid:2ff428b5-8372-4757-b1dc-1e65976421cb
SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered product: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:CONTEXT:collection_1.0.tab::1.0
INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product has the following GUID: urn:uuid:963b54ec-8520-46ed-8399-0beb528f89e2
INFO: [MGS_RS_RAW-20120905/CONTEXT/instrument.RSS.xml] Begin processing.
SKIP: [MGS_RS_RAW-20120905/CONTEXT/instrument.RSS.xml] 'Product_Context' is not an object type found in the policy file.
INFO: [MGS_RS_RAW-20120905/CONTEXT/instrument_host.DSN.xml] Begin processing.
SKIP: [MGS_RS_RAW-20120905/CONTEXT/instrument_host.DSN.xml] 'Product_Context' is not an object type found in the policy file.
INFO: [MGS_RS_RAW-20120905/CONTEXT/instrument_host.MARS_GLOBAL_SURVEYOR.xml] Begin processing.
SKIP: [MGS_RS_RAW-20120905/CONTEXT/instrument_host.MARS_GLOBAL_SURVEYOR.xml] 'Product_Context' is not an object type found in the policy file.
INFO: [MGS_RS_RAW-20120905/CONTEXT/mission.MARS_GLOBAL_SURVEYOR.xml] Begin processing.
SKIP: [MGS_RS_RAW-20120905/CONTEXT/mission.MARS_GLOBAL_SURVEYOR.xml] 'Product_Context' is not an object type found in the policy file.
INFO: [MGS_RS_RAW-20120905/CONTEXT/target.DEIMOS.xml] Begin processing.
SKIP: [MGS_RS_RAW-20120905/CONTEXT/target.DEIMOS.xml] 'Product_Context' is not an object type found in the policy file.
INFO: [MGS_RS_RAW-20120905/CONTEXT/target.MARS.xml] Begin processing.
SKIP: [MGS_RS_RAW-20120905/CONTEXT/target.MARS.xml] 'Product_Context' is not an object type found in the policy file.
INFO: [MGS_RS_RAW-20120905/CONTEXT/target.PHOBOS.xml] Begin processing.
SKIP: [MGS_RS_RAW-20120905/CONTEXT/target.PHOBOS.xml] 'Product_Context' is not an object type found in the policy file.
SUCCESS: [MGS_RS_RAW-20120905/bundle_1.xml] Successfully registered association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:bundle_1.xml::1.0
INFO: [MGS_RS_RAW-20120905/bundle_1.xml] Association has the following GUID: urn:uuid:b4d65a9c-1286-4012-8909-6df3e1430e39
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Found registered product for reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.xsd::1.0
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Association has the following GUID: urn:uuid:5afab432-35df-4ab0-b1b3-4c543c94408b
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Found registered product for reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.xsd::1.0

SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered
association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Association has the following GUID:
urn:uuid:1253cf6d-6079-4f86-935f-458ab475b163
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Found registered product for
reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.sch::1.0
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered
association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Association has the following GUID:
urn:uuid:bfa212a7-49c7-463c-91f3-3ee24d51e2c4
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Found registered product for
reference: urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.sch::1.0
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered
association to urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Association has the following GUID:
urn:uuid:ea0f0d98-5ac3-4c3e-9e09-96857de765ef
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:SCHEMA:collection_1.0:aaCollection.xml.xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Association has the following GUID:
urn:uuid:33f35f01-bb56-4cf5-9244-aae2fb7035ae
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-
V1.0:SCHEMA:collection_1.0:aaCollection_xml_schema_inventory.tab::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaCollection.xml.xml] Association has the following GUID:
urn:uuid:67fc0fdc-c46f-4b66-a0e4-19f2070adcf1
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.sch:aaLabel_SCH_PDS4_OPS_0910B.
xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Association has the
following GUID: urn:uuid:debb1a18-ba64-40ce-80ae-19153c9075af
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.sch:PDS4_OPS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_OPS_0910B.xml] Association has the
following GUID: urn:uuid:8fc4d1c7-37ee-414e-b995-7889b77c93e4
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.sch:aaLabel_SCH_PDS4_PDS_0910B.
xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Association has the
following GUID: urn:uuid:d38aa29f-94df-437f-a3d6-cc36f92c53b4
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.sch:PDS4_PDS_0910B.sch::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_SCH_PDS4_PDS_0910B.xml] Association has the
following GUID: urn:uuid:9d1a7eee-9f8c-4f8e-98e9-3d210be8ef39
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.xsd:aaLabel_XSD_PDS4_OPS_0910B.
xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Association has the
following GUID: urn:uuid:fe61a9cf-71fe-4597-8af4-d1dbe8d4cd84
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_OPS_0910B.xsd:PDS4_OPS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_OPS_0910B.xml] Association has the
following GUID: urn:uuid:be0b65d7-d0a8-4b80-a808-84f36537c829
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.xsd:aaLabel_XSD_PDS4_PDS_0910B.
xml::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Association has the
following GUID: urn:uuid:ecc9450e-ed88-4f91-9716-30828273903a
SUCCESS: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Successfully
registered association to
urn:nasa:pds:example.RS.sampleArchive:schema:PDS4_PDS_0910B.xsd:PDS4_PDS_0910B.xsd::1.0
INFO: [MGS_RS_RAW-20120905/SCHEMA/aaLabel_XSD_PDS4_PDS_0910B.xml] Association has the
following GUID: urn:uuid:037cb7a9-ce6c-4379-9990-70886702e1dc
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CAL.xml::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Association has the following GUID:

urn:uuid:72017d9b-971e-4d26-9133-e3ef3297185a
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CAL0.ASC::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Association has the following GUID:
urn:uuid:7460fe64-2f8f-49c0-8301-fd458a41c133
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CALN.ASC::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Association has the following GUID:
urn:uuid:6233afe6-b5b6-46bb-a762-8fc27169bed0
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL:AMD_CALS.ASC::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/AMD_CAL.xml] Association has the following GUID:
urn:uuid:8432594f-e99c-411d-8b57-20dfabbbe267
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Found registered product for
reference: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL::1.0
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:AMD_CAL::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Association has the following
GUID: urn:uuid:742beb26-5c8a-466e-8d99-9bfd5ae71aa6
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Found registered product for
reference: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:MEDIASIS::1.0
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:MEDIASIS::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Association has the following
GUID: urn:uuid:941ed656-1abd-42a3-a0fd-c3e1493b015c
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Found registered product for
reference: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:TNF_SIS::1.0
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:TNF_SIS::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Association has the following
GUID: urn:uuid:41ef8ca7-bcea-4e3a-884b-c54a2e5d860f
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:collection_1.0.xml::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Association has the following
GUID: urn:uuid:a96e10cc-5cc0-43af-8ae7-be9e2c13d5fd
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Successfully registered
association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:collection_1.0.tab::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/collection_1.0.xml] Association has the following
GUID: urn:uuid:82f7c87a-2e52-4bf0-b287-b405db022770
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Successfully registered association
to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:MEDIASIS:MEDIASIS.xml::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Association has the following GUID:
urn:uuid:d02d9f55-5ab6-4f18-9d8b-06dec5dba5e5
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Successfully registered association
to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:MEDIASIS:MEDIASIS.HTM::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/MEDIASIS.xml] Association has the following GUID:
urn:uuid:85259009-7481-420f-872d-b3e66b7cc63e
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Successfully registered association
to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:TNF_SIS:TNF_SIS.xml::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Association has the following GUID:
urn:uuid:58282f54-2ac7-4fad-9c6d-6cda9e185dd7
SUCCESS: [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Successfully registered association
to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DOCUMENT:TNF_SIS:TNF_SIS.TXT::1.0
INFO: [MGS_RS_RAW-20120905/DOCUMENT/TNF_SIS.xml] Association has the following GUID:
urn:uuid:90d2055e-4455-41c7-b80f-62c32b71042e
SUCCESS: [MGS_RS_RAW-20120905/DATA/53100702.xml] Successfully registered association to
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DATA:53100702.RSR:53100702.xml::1.1
INFO: [MGS_RS_RAW-20120905/DATA/53100702.xml] Association has the following GUID:
urn:uuid:f2c77aa8-fe0d-41d0-b28a-7c8da708330a
SUCCESS: [MGS_RS_RAW-20120905/DATA/53100702.xml] Successfully registered association to
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:DATA:53100702.RSR:53100702.RSR::1.1
INFO: [MGS_RS_RAW-20120905/DATA/53100702.xml] Association has the following GUID:
urn:uuid:a136f13c-cd1c-4078-926d-f9dbcc0cd080
WARNING: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Product not found in registry for
reference: urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:RSR:53100702.RSR::1.0. LIDVID will be used as the
target reference for the association.
SUCCESS: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Successfully registered association to
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:RSR:53100702.RSR::1.0
INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Association has the following GUID:
urn:uuid:6fbf35e2-2391-4ee1-8050-90949c3aeaba
SUCCESS: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Successfully registered association to
urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:RSR:collection_1.0.xml::1.0

INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Association has the following GUID: urn:uuid:91904ec7-8ca4-4b2f-a0bf-cc585ff62a9e

SUCCESS: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Successfully registered association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:RSR:collection_1.0.tab::1.0

INFO: [MGS_RS_RAW-20120905/DATA/collection_1.0.xml] Association has the following GUID: urn:uuid:0e0345ad-3e68-48a3-8acd-5833dbef9713

WARNING: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product not found in registry for reference: mission.MARS_GLOBAL_SURVEYOR::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to mission.MARS_GLOBAL_SURVEYOR::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:0594b67c-5465-4063-85be-4934f3b3826b

WARNING: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product not found in registry for reference: instrument_host.MARS_GLOBAL_SURVEYOR::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to instrument_host.MARS_GLOBAL_SURVEYOR::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:526ad0ef-756b-47a6-9123-f0a72c41b8d1

WARNING: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product not found in registry for reference: instrument_host.DSN::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to instrument_host.DSN::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:2f52607e-8df3-4346-b40c-9d1fa824b628

WARNING: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product not found in registry for reference: instrument.RSS::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to instrument.RSS::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:bdc5558c-0e8a-41cf-946a-bfbf16a46fa0

WARNING: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product not found in registry for reference: target.MARS::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to target.MARS::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:05b462a7-0a07-4e37-92c1-5029b8b098c7

WARNING: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product not found in registry for reference: target.PHOBOS::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to target.PHOBOS::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:0f2f6997-6112-468b-b6e0-b05d21a1bba2

WARNING: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Product not found in registry for reference: target.DEIMOS::1.0. LIDVID will be used as the target reference for the association.

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to target.DEIMOS::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:07d13339-f512-4621-a7e1-2302d13f0105

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:CONTEXT:collection_1.0.xml::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:2db5655a-37ec-4ab0-9aa6-ca4b0588f890

SUCCESS: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Successfully registered association to urn:nasa:pds:MGS-M-RSS-1-RAW-V1.0:CONTEXT:collection_1.0.tab::1.0

INFO: [MGS_RS_RAW-20120905/CONTEXT/collection_1.0.xml] Association has the following GUID: urn:uuid:f082efd3-debd-4424-b685-925ceba025a2

Summary:
13 of 13 file(s) processed, 7 other file(s) skipped
0 error(s), 8 warning(s)
13 of 13 products registered.
27 of 27 ancillary products registered.
Product Types Registered:
3 Product_Document
1 Product_Observational
4 Product_XML_Schema
1 Product_Bundle
4 Product_Collection
27 Product_File_Repository
42 of 42 associations registered.
End of Log

	Step 5:
Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	BNDL.T3
Description	Validate and harvest Clementine bundle
Test Steps	1. validate Clem_Basemap_Bundle -e '*.xml' -x Clem_Basemap_Bundle/XML_Schema/*.xsd -S Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.sch 2. harvest Clem_Basemap_Bundle -e '*.xml' -c harvestConfig.xml

Test Results	Step 1:
	    PDS Catalog Ingest Tool Report
	    PDS Validate Tool Report
	    Configuration:
	      Version 1.2.0
	      Time Thu, Oct 25 2012 at 01:23:18 AM
	    Parameters:
	      Target(s) [Clem_Basemap_Bundle]
	      User-Specified Schemas [Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xsd, Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xsd]
	      User-Specified Schematrons [Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.sch]
	      Severity Level Warnings
	      Recurse Directories true
	      File Filter(s) Used [*.xml]
	    Validation Details:
	    PASS: file:*testDir*/Clem_Basemap_Bundle/bundle_1.xml
	    PASS: file:*testDir*/Clem_Basemap_Bundle/data/collection_1.0.xml
	    PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml
	    PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml
	    PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml

PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/document/collection_1.0.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/document/volinfo.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xml
Summary:
 14 of 14 file(s) processed, 0 skipped
 14 of 14 file(s) passed validation
End of Report

Step 2:

PDS Catalog Ingest Tool Report
PDS Harvest Tool Log
Version   Version 1.3.0
Time   Thu, Oct 25 2012 at 01:25:16 AM
Severity Level   INFO
Registry Location   http://localhost:8080/registry
Registry Package Name   test validity using harvest
Registration Package GUID   urn:uuid:365210e6-dcab-4429-97a8-be8765cf878b
INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 50: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 59: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 68: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 78: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 86: Mapping reference type 'bundle_to_document' to 'document_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 101: Mapping reference type 'bundle_has_data_collection' to 'collection_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 106: Mapping reference type 'bundle_has_document_collection' to 'collection_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] line 111: Mapping reference type 'bundle_has_schema_collection' to 'collection_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:moon_clem_uvvis_750nm_basemap:document:volinfo', under slot name 'document_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:moon_clem_uvvis_750nm_basemap:data', under slot name 'collection_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:moon_clem_uvvis_750nm_basemap:document', under slot name 'collection_ref'.
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Setting LID-based association, 'urn:nasa:pds:moon_clem_uvvis_750nm_basemap:schema', under slot name 'collection_ref'.
SUCCESS: [Clem_Basemap_Bundle/bundle_1.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap::1.0
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Product has the following GUID: urn:uuid:95698f60-ca84-424c-b7eb-f6f0428ac6a8
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Capturing file information for bundle_1.xml
SUCCESS: [Clem_Basemap_Bundle/bundle_1.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bundle_1.xml::1.0
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Product has the following GUID: urn:uuid:7bedf558-4258-4170-995d-23793e9c161c
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] line 49: Mapping reference type 'collection_to_investigation' to 'investigation_ref'.

INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] line 58: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] line 67: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] line 77: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:system_bundle:xml_schema:img-xml_schema', under slot name 'member_ref'.
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema', under slot name 'member_ref'.
SUCCESS: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:xml_schema::1.0
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Product has the following GUID: urn:uuid:9aeb7a8f-4743-4382-9e5e-301d88b0e09f
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Capturing file information for collection_1.0.xml
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Capturing file object metadata for collection_1.0.tab
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/XML_Schema/collection_1.0.tab': cfbfab183a7d2ab553781a671cb0a1d6
SUCCESS: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:xml_schema:collection_1.0.xml::1.0
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Product has the following GUID: urn:uuid:b30d60b9-0a0c-4ecd-bcdd-277b8b70c64f
SUCCESS: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:xml_schema:collection_1.0.tab::1.0
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Product has the following GUID: urn:uuid:62f76e4c-2f54-4db9-8e6e-34d5beed1c40
INFO: [Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xml] Begin processing.
SKIP: [Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xml] Not a primary member.
INFO: [Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xml] Begin processing.
SKIP: [Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xml] Not a primary member.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] line 57: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] line 66: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] line 75: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] line 85: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Setting LID-based association, 'urn:nasa:pds:system_bundle:xml_schema:img-xml_schema', under slot name 'member_ref'.
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Setting LID-based association, 'urn:nasa:pds:system_bundle:xml_schema:pds-xml_schema', under slot name 'member_ref'.
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:manifest::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product has the following GUID: urn:uuid:c6c51379-29b0-47a1-94f9-c4e4dad618b9
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Capturing file information for transfer_manifest.xml

INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Capturing file object metadata for transfer_manifest.tab

INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/miscellaneous/transfer_manifest.tab': fe2c185d6cb80839be1fcb6f69dd6ea4

SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:manifest:transfer_manifest.xml::1.0

INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product has the following GUID: urn:uuid:33b7077f-f398-4221-a261-ae03e973fcba

SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:manifest:transfer_manifest.tab::1.0

INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product has the following GUID: urn:uuid:2d0c3f30-dae4-424a-948e-be7ce550c51b

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Begin processing.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Mapping reference type 'inventory_has_member_product' to 'member_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] line 49: Mapping reference type 'collection_to_investigation' to 'investigation_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] line 58: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] line 67: Mapping reference type 'is_instrument' to 'instrument_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] line 77: Mapping reference type 'collection_to_target' to 'target_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.

SUCCESS: [Clem_Basemap_Bundle/document/collection_1.0.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:document::1.0

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Product has the following GUID: urn:uuid:e445681e-63a0-4db3-bfa9-2fc1e50fb49f

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Capturing file information for collection_1.0.xml

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Capturing file object metadata for collection_1.0.tab

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/document/collection_1.0.tab': 733172fcb1fde1a59cf7c3dcc6d38727

SUCCESS: [Clem_Basemap_Bundle/document/collection_1.0.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:document:collection_1.0.xml::1.0

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Product has the following GUID: urn:uuid:13f1222d-8b07-4fbb-8749-e52d69c1bc87

SUCCESS: [Clem_Basemap_Bundle/document/collection_1.0.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:document:collection_1.0.tab::1.0

INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Product has the following GUID: urn:uuid:47de8662-64c9-4206-8c0b-d8275e58ef9e

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Begin processing.

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] No associations found.

SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo::1.0

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Product has the following GUID: urn:uuid:9a5ee431-0e0b-42df-8546-0055c28f97e2

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Capturing file information for volinfo.xml

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Capturing file object metadata for volinfo.txt

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Capturing file object metadata for volinfo.htm

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Capturing file object metadata for volinfo.doc

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Capturing file object metadata for volinfo.pdf

SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.xml::1.0

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Product has the following GUID: urn:uuid:4a6c5286-7ba1-4b2d-9f45-8d6656a3ca57

SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.txt::1.0

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Product has the following GUID: urn:uuid:7524d7cc-e5df-4787-a1cb-6c9d99896315

SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.htm::1.0

INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Product has the following GUID:
urn:uuid:c30b71d1-68de-4e01-8f2c-21823f3c0a5f
SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered product:
urn:nasa:pds:moon_clem_750nm_basemap:volinfo:volinfo.doc::1.0
INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Product has the following GUID:
urn:uuid:266bbe3c-96ce-47ee-a372-61e9f95bb934
SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered product:
urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.pdf::1.0
INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Product has the following GUID:
urn:uuid:f85734c6-39b6-491b-9f66-5179e84ec3f3
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Mapping reference type
'inventory_has_member_product' to 'member_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] line 57: Mapping reference type
'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] line 66: Mapping reference type
'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] line 75: Mapping reference type 'is_instrument'
to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] line 85: Mapping reference type
'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Setting LID-based association,
'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name
'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Setting LID-based association,
'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Setting LID-based association,
'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Setting LID-based association,
'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered product:
urn:nasa:pds:moon_clem_uvvis_750nm_basemap:data::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product has the following GUID:
urn:uuid:7acb1b81-6a29-40b7-8185-1065074b5004
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Capturing file information for
collection_1.0.xml
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Capturing file object metadata for
collection_1.0.tab
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Found checksum in the product label for file
object 'Clem_Basemap_Bundle/data/collection_1.0.tab': ae0b3f3a61dab1c48bf6ff6dd33f9bf0
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered product:
urn:nasa:pds:moon_clem_uvvis_750nm_basemap:data:collection_1.0.xml::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product has the following GUID:
urn:uuid:c0d3a7fc-e671-4db9-b94b-1ba9e4f44333
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered product:
urn:nasa:pds:moon_clem_uvvis_750nm_basemap:data:collection_1.0.tab::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product has the following GUID:
urn:uuid:a70bee46-3cf9-4032-b29b-229f84c9c576
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] line 38: Mapping reference type
'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] line 47: Mapping reference type
'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] line 56: Mapping reference type
'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] line 66: Mapping reference type
'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Setting LID-based association,
'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name
'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Setting LID-based association,
'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Setting LID-based association,
'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Setting LID-based association,
'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Successfully registered product:
urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S245::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Product has the following GUID:
urn:uuid:ef8bb23a-0046-4410-b40a-301808f5e4cd
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Capturing file information for
bi38s245.xml

INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Capturing file object metadata for bi38s245.lab
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Capturing file object metadata for bi38s245.img
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/data/bi70_35s/bi38s245.img': f030056ff7504310a22b68492c58fbe8
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S245:bi38s245.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Product has the following GUID: urn:uuid:2789e3b0-a6dc-455f-94a9-103acfe96a2d
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S245:bi38s245.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Product has the following GUID: urn:uuid:d82cc8a8-c52f-4284-befb-0e824246d160
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S245:bi38s245.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Product has the following GUID: urn:uuid:96ec42b8-75b2-452b-9123-fd88ef436236
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] line 38: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] line 47: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] line 56: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] line 66: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S255::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Product has the following GUID: urn:uuid:661999e9-600a-4e32-bb5b-1513938bd03a
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Capturing file information for bi38s255.xml
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Capturing file object metadata for bi38s255.lab
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Capturing file object metadata for bi38s255.img
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/data/bi70_35s/bi38s255.img': b89b71cb8995ff64a6b7e26da5a1ac59
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S255:bi38s255.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Product has the following GUID: urn:uuid:6dc66cf4-e0bd-425d-962d-ae5bac6319a7
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S255:bi38s255.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Product has the following GUID: urn:uuid:d49e4e2e-a706-4be5-8a05-474b7f82276b
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S255:bi38s255.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Product has the following GUID: urn:uuid:772989a8-94c9-4964-ad5d-f1135e25bfb4
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] line 38: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] line 47: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] line 56: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] line 66: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.

INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N065::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Product has the following GUID: urn:uuid:13c70e0f-d3a7-4914-9435-62f1d210340b
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Capturing file information for bi38n065.xml
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Capturing file object metadata for bi38n065.lab
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Capturing file object metadata for bi38n065.img
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/data/bi35_70n/bi38n065.img': a802c896ebc68aeb727a63d1e39fa102
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N065:bi38n065.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Product has the following GUID: urn:uuid:1ce57e73-53de-4cdf-ac92-21889ee449e7
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N065:bi38n065.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Product has the following GUID: urn:uuid:5dc76b3b-9584-443c-8d6e-b74eb7e08993
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N065:bi38n065.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Product has the following GUID: urn:uuid:d4868c6e-61ca-4226-a556-51be8e789023
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] line 38: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] line 47: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] line 56: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] line 66: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N075::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Product has the following GUID: urn:uuid:845a013a-ebb2-4a13-acff-090d2c5b87f6
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Capturing file information for bi38n075.xml
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Capturing file object metadata for bi38n075.lab
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Capturing file object metadata for bi38n075.img
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/data/bi35_70n/bi38n075.img': 7e13e210b3f9095f2da4c647cb42cf6e
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N075:bi38n075.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Product has the following GUID: urn:uuid:d28dc32c-6dbd-4a4a-87b0-be698c023111
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N075:bi38n075.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Product has the following GUID: urn:uuid:7f150a15-1777-47a7-85f4-56fb3e101876
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N075:bi38n075.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Product has the following GUID: urn:uuid:42e05580-92a3-4b84-9d27-e40642ea9f40

INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] line 38: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] line 47: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] line 56: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] line 66: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N003::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Product has the following GUID: urn:uuid:f0c24ae7-6239-4f08-9490-7e53223640c8
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Capturing file information for bi03n003.xml
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Capturing file object metadata for bi03n003.lab
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Capturing file object metadata for bi03n003.img
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/data/bi00_35n/bi03n003.img': 76644449fa85bd1c58711bc35a7fa85f
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N003:bi03n003.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Product has the following GUID: urn:uuid:cbaac252-2bf3-4f0b-8525-83c53116487c
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N003:bi03n003.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Product has the following GUID: urn:uuid:6ce79ad1-552c-45fb-89d4-e15f2f4e1491
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N003:bi03n003.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Product has the following GUID: urn:uuid:16c3e03b-61c9-476f-997f-8457f17f689d
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Begin processing.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] line 38: Mapping reference type 'data_to_investigation' to 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] line 47: Mapping reference type 'is_instrument_host' to 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] line 56: Mapping reference type 'is_instrument' to 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] line 66: Mapping reference type 'collection_to_target' to 'target_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Setting LID-based association, 'urn:nasa:pds:mission.DEEP_SPACE_PROGRAM_SCIENCE_EXPERIMENT', under slot name 'investigation_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Setting LID-based association, 'urn:nasa:pds:instrument_host.CLEM1', under slot name 'instrument_host_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Setting LID-based association, 'urn:nasa:pds:instrument.UVVIS__CLEM1', under slot name 'instrument_ref'.
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Setting LID-based association, 'urn:nasa:pds:target.MOON', under slot name 'target_ref'.
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N009::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Product has the following GUID: urn:uuid:08189917-dfa5-40f2-9d66-4c41c8809dc5
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Capturing file information for bi03n009.xml
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Capturing file object metadata for bi03n009.lab
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Capturing file object metadata for bi03n009.img
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Found checksum in the product label for file object 'Clem_Basemap_Bundle/data/bi00_35n/bi03n009.img': e9c01cc75239ba1afd305e7565dd7981

SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N009:bi03n009.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Product has the following GUID: urn:uuid:8e56a98a-4180-4349-87ad-1c2842b9faf3
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N009:bi03n009.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Product has the following GUID: urn:uuid:02e8a4f8-79a3-4cce-9ffa-96e45c446591
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Successfully registered product: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N009:bi03n009.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Product has the following GUID: urn:uuid:d1ea6e7b-96b0-4665-9f28-b4943ed8b264
SUCCESS: [Clem_Basemap_Bundle/bundle_1.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bundle_1.xml::1.0
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Association has the following GUID: urn:uuid:07a83d3f-6345-4b13-8fcd-528d797ea8a0
SUCCESS: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:xml_schema:collection_1.0.xml::1.0
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Association has the following GUID: urn:uuid:7873c1a7-aab2-487b-8efa-8f844a1670c3
SUCCESS: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:xml_schema:collection_1.0.tab::1.0
INFO: [Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml] Association has the following GUID: urn:uuid:c8bc0ea0-6aa8-4df1-982a-0888ab2aeff4
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Found registered product for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo::1.0
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:3c1741b1-0ed1-49e0-9c24-4cf00ef0b2df
WARNING: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:Bi03n003::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:Bi03n003::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:d1b787ec-b7f9-4cc4-882e-d84b9a5c4a7f
WARNING: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi03n009::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi03n009::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:f77cc4fc-879f-4030-9bd2-46cfe8912000
WARNING: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n065::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n065::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:0f6b0bab-221c-4098-90f6-de9776f51bec
WARNING: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n075::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n075::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:dd407d6c-9c4a-4679-a482-20439d109744
WARNING: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s245::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s245::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:4ff3d42b-f267-46e4-b6cd-f6756d5185aa
WARNING: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s255::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s255::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:bf1d7256-98c2-4eef-94ea-8d723707cfff

SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:manifest:transfer_manifest.xml::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:572977ca-b06c-4266-a950-0ad4f498b7eb
SUCCESS: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:manifest:transfer_manifest.tab::1.0
INFO: [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml] Association has the following GUID: urn:uuid:529ad416-82bd-428b-82f2-4119a7c87008
INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Found registered product for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo::1.0
SUCCESS: [Clem_Basemap_Bundle/document/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo::1.0
INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Association has the following GUID: urn:uuid:26921afc-0da9-45e6-9db9-9739a713c753
SUCCESS: [Clem_Basemap_Bundle/document/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:document:collection_1.0.xml::1.0
INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Association has the following GUID: urn:uuid:4c242027-8954-48ca-b75f-7ac0ab4d2ce4
SUCCESS: [Clem_Basemap_Bundle/document/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:document:collection_1.0.tab::1.0
INFO: [Clem_Basemap_Bundle/document/collection_1.0.xml] Association has the following GUID: urn:uuid:ce44983e-e6cd-4869-961c-673c67d7ff70
SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.xml::1.0
INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Association has the following GUID: urn:uuid:ec9b6ebd-8f28-4df8-bd59-d4baa07ea235
SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.txt::1.0
INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Association has the following GUID: urn:uuid:04913d2b-8357-4839-b160-7e0bf7917812
SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.htm::1.0
INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Association has the following GUID: urn:uuid:d224a00d-e114-4a2a-abee-a004e48ad478
SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.doc::1.0
INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Association has the following GUID: urn:uuid:06526aeb-0caf-4e89-998f-55ab211b526a
SUCCESS: [Clem_Basemap_Bundle/document/volinfo.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:volinfo:volinfo.pdf::1.0
INFO: [Clem_Basemap_Bundle/document/volinfo.xml] Association has the following GUID: urn:uuid:a49e725a-9c27-4ba8-9964-dbc47695ca4e
WARNING: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi03n003::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi03n003::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:873f6e76-ee38-458f-9fe8-ab6807d543b2
WARNING: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi03n009::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi03n009::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:3f009851-3fb0-4ae2-9508-1ae1c54a0990
WARNING: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n065::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n065::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:f272c499-fc56-4e6b-be68-877f152793f7
WARNING: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n075::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38n075::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:c9190ced-c449-4d26-a7c2-3ac7e4a3b065
WARNING: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s245::1.0. LIDVID will be used as the

target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s245::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:0431104d-21c2-49d1-84e2-9772c143c7f5
WARNING: [Clem_Basemap_Bundle/data/collection_1.0.xml] Product not found in registry for reference: urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s255::1.0. LIDVID will be used as the target reference for the association.
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:bi38s255::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:65f931c0-aaf4-422e-bf3e-d4b6094a2fbd
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:data:collection_1.0.xml::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:211ab029-fcb2-4268-bb85-268313660a3e
SUCCESS: [Clem_Basemap_Bundle/data/collection_1.0.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:data:collection_1.0.tab::1.0
INFO: [Clem_Basemap_Bundle/data/collection_1.0.xml] Association has the following GUID: urn:uuid:3aae1e2f-b18c-41c4-9adb-912710807cb3
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S245:bi38s245.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Association has the following GUID: urn:uuid:595fc816-0cf4-4ce4-9c80-495d48e67840
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S245:bi38s245.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Association has the following GUID: urn:uuid:e9d0acd0-3aee-42a1-82d6-1f55e73cb060
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S245:bi38s245.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml] Association has the following GUID: urn:uuid:589cd2f3-cc83-4eaa-9488-fc507ea16a9b
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S255:bi38s255.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Association has the following GUID: urn:uuid:e1328a6d-35f7-4ba4-81d1-37990572ea56
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S255:bi38s255.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Association has the following GUID: urn:uuid:e89a7ad7-8017-46c4-82e5-597920d309c8
SUCCESS: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38S255:bi38s255.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml] Association has the following GUID: urn:uuid:ee326908-a788-4573-96b8-a62d54a34459
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N065:bi38n065.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Association has the following GUID: urn:uuid:a2f60906-9080-41b5-a64b-3f51c602e291
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N065:bi38n065.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Association has the following GUID: urn:uuid:57c7c767-7759-4642-930b-54a4931fe16b
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N065:bi38n065.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml] Association has the following GUID: urn:uuid:d0fa5244-d1ff-479f-823b-449083436baa
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N075:bi38n075.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Association has the following GUID: urn:uuid:be19bd5b-c55c-4d9d-9795-3fce613a2c88
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N075:bi38n075.lab::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Association has the following GUID: urn:uuid:33c45f0d-5199-4f69-92e7-6b14cde0d035
SUCCESS: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI38N075:bi38n075.img::1.0
INFO: [Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml] Association has the following GUID: urn:uuid:ce07fa1d-7470-47f9-bde2-99e1c7acb6d9
SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N003:bi03n003.xml::1.0
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Association has the following GUID: urn:uuid:3647daba-f811-4c81-86f0-11c0eda1e1b1

	SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N003:bi03n003.lab::1.0 INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Association has the following GUID: urn:uuid:b080da64-5382-4901-87c6-ecb9e3515f3c SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N003:bi03n003.img::1.0 INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml] Association has the following GUID: urn:uuid:469d03c0-094b-4192-81ac-b46d94206722 SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N009:bi03n009.xml::1.0 INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Association has the following GUID: urn:uuid:05ced41e-f832-40d9-b928-37267942ba26 SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N009:bi03n009.lab::1.0 INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Association has the following GUID: urn:uuid:ecf369cf-1246-4a5c-bb57-0b943c7197fe SUCCESS: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Successfully registered association to urn:nasa:pds:moon_clem_uvvis_750nm_basemap:BI03N009:bi03n009.img::1.0 INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Association has the following GUID: urn:uuid:c2391037-ab2f-4b0b-9f15-cd9746522aa4 Summary: 12 of 12 file(s) processed, 2 other file(s) skipped 0 error(s), 12 warning(s) 12 of 12 products registered. 32 of 32 ancillary products registered. Product Types Registered: 1 Product_Document 6 Product_Observational 1 Product_Bundle 4 Product_Collection 32 Product_File_Repository 46 of 46 associations registered. End of Log Step 3:
Comments	Warnings occur because harvest is case-sensitive, and .tab has … while .xml has …
Date of Testing	2012 Oct 25

Test Personnel	Richard Chen

Test Case ID	BNDL.T4
Description	Validate and harvest the context files, created from the PDS3 database. Create search indexes.
Test Steps	WARNING: this test has taken over a day on a small machine 1. clear database 2. harvest context_bundle_20121011 -e '*.xml' -c harvestConfig.xml 3. ???something like SCH.T4
Test Results	Step 2: PDS Harvest Tool Log Version Version 1.3.0 Time Fri, Oct 26 2012 at 03:51:30 AM Severity Level INFO Registry Location http://localhost:8080/registry Registry Package Name test validity using harvest Registration Package GUID urn:uuid:0f46eb45-7314-428c-b0fa-2209b486c3be INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03 INFO: [context_bundle_20121011/Product_Bundle_1.0.xml] Begin processing. INFO: [context_bundle_20121011/Product_Bundle_1.0.xml] line 29: Mapping reference type 'bundle_has_context_collection' to 'collection_ref'. *[snip… of 75 Mbytes of messages]* INFO: [context_bundle_20121011/context_attribute/aaaProduct_files_20121011/attribute_zero_elevation_line_1.0.xml] Association has the following GUID: urn:uuid:a33cc030-d74d-489c-8279-79b78320c1a6 Summary: 18289 of 18289 file(s) processed, 8106 other file(s) skipped 10 error(s), 8106 warning(s) 18280 of 18289 products registered. 18293 of 18293 ancillary products registered. Product Types Registered: 4188 Product_Target_PDS3 1992 Product_Data_Set_PDS3 1991 Product_Attribute_Definition 5266 Product_Volume_PDS3 574 Product_Instrument_PDS3 65 Product_Mission_PDS3 2604 Product_Volume_Set_PDS3 1403 Product_Subscription_PDS3 1 Product_Bundle 183 Product_Instrument_Host_PDS3 13 Product_Collection 18293 Product_File_Repository 44673 of 44674 associations registered. End of Log
Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	CTLG.T1
Description	Compare a catalog submission, both file to file and directory to directory

Test Steps	1. catalog -mcompare testCatalog/CORPWS_0164 testCatalog/CORPWS_lite 2. catalog -mcompare testCatalog/CORPWS_lite/RAWDS.CAT testCatalog/diff

Test Results	**Step 1:**
	
	PDS Catalog Ingest Tool Report
	Configuration:
	Version Version 1.4.0
	Date Thu, Oct 25 2012 at 11:56:18 PM
	Parameters:
	Mode compare
	Target(s)
	 Source = file: *testDir*/testCatalog/CORPWS_0164/
	 Target = file: *testDir*/testCatalog/CORPWS_lite/
	Directory Recursion true
	Severity Level WARNING
	Compare Details:
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/INSTHOST.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/KEYDS.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/LRFULLDS.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/MISSION.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/PERSON.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/PROJREF.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/RAWDS.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/REF.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/RPWSINST.CAT
	 DIFFERENT: file: *testDir*/testCatalog/CORPWS_lite/VOLDESC.CAT
	   line 80: Pointer "DATA_SET_CATALOG" has different value than source.
	   Source: line 80 of file: *testDir*/testCatalog/CORPWS_0164/VOLDESC.CAT
	   80c80
	   < {KEYDS.CAT, RAWDS.CAT, LRFULLDS.CAT, WBFULLDS.CAT, WFFULLDS.CAT}
	   ---- 	
	   > KEYDS.CAT
	   line 81: Pointer "REFERENCE_CATALOG" has different value than source.
	   Source: line 86 of file: *testDir*/testCatalog/CORPWS_0164/VOLDESC.CAT
	   86c81
	   < {REF.CAT, PROJREF.CAT}
	   ---- 	
	   > REF.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/WBFULLDS.CAT
	 SAME: file: *testDir*/testCatalog/CORPWS_lite/WFFULLDS.CAT
	Summary:
	 12 of 12 validated, 0 skipped
	 11 of 12 passed
	End of Report
	
	Step 2:
	
	PDS Catalog Ingest Tool Report
	Configuration:
	Version Version 1.4.0
	Date Thu, Oct 25 2012 at 11:57:23 PM
	Parameters:
	Mode compare
	Target(s)
	 Source = file: *testDir*/testCatalog/CORPWS_0164/RAWDS.CAT
	 Target = file: *testDir*/testCatalog/diff
	Directory Recursion true
	Severity Level WARNING
	Compare Details:
	 DIFFERENT: file: *testDir*/testCatalog/diff
	   line 54: Element "DATA_SET_DESC" has different value than source.
	   Source: line 54 of file: *testDir*/testCatalog/CORPWS_0164/RAWDS.CAT
	   124,128c124,128
	   < kernels can be used with the SPICE toolkit to convert from the
	   < spacecraft frame to virtually any frame which may be of use in
	   < analyzing these data. However, for many purposes, the wave
	   < amplitudes are extremely useful and may be entirely adequate with no
	   < coordinate transformations at all.
	   ---- 	
	   > kernels EXTRAWORDHERE can be used with the SPICE toolkit to
	   > convert the spacecraft frame to virtually any frame which may be
	   > of use in analyzing these data. However, for many purposes, the
	   > wave amplitudes are extremely useful and may be entirely adequate

	> with no coordinate transformations at all. Summary: 1 of 1 validated, 0 skipped 0 of 1 passed End of Report
Comments	catalog –mcompare does well but could be better. In step 2, the second file has only 1 extra token, which then causes a cascade of different line breaks. However, the tool shows all lines of the difference. It would be better to show only the different token plus a few tokens around it.
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

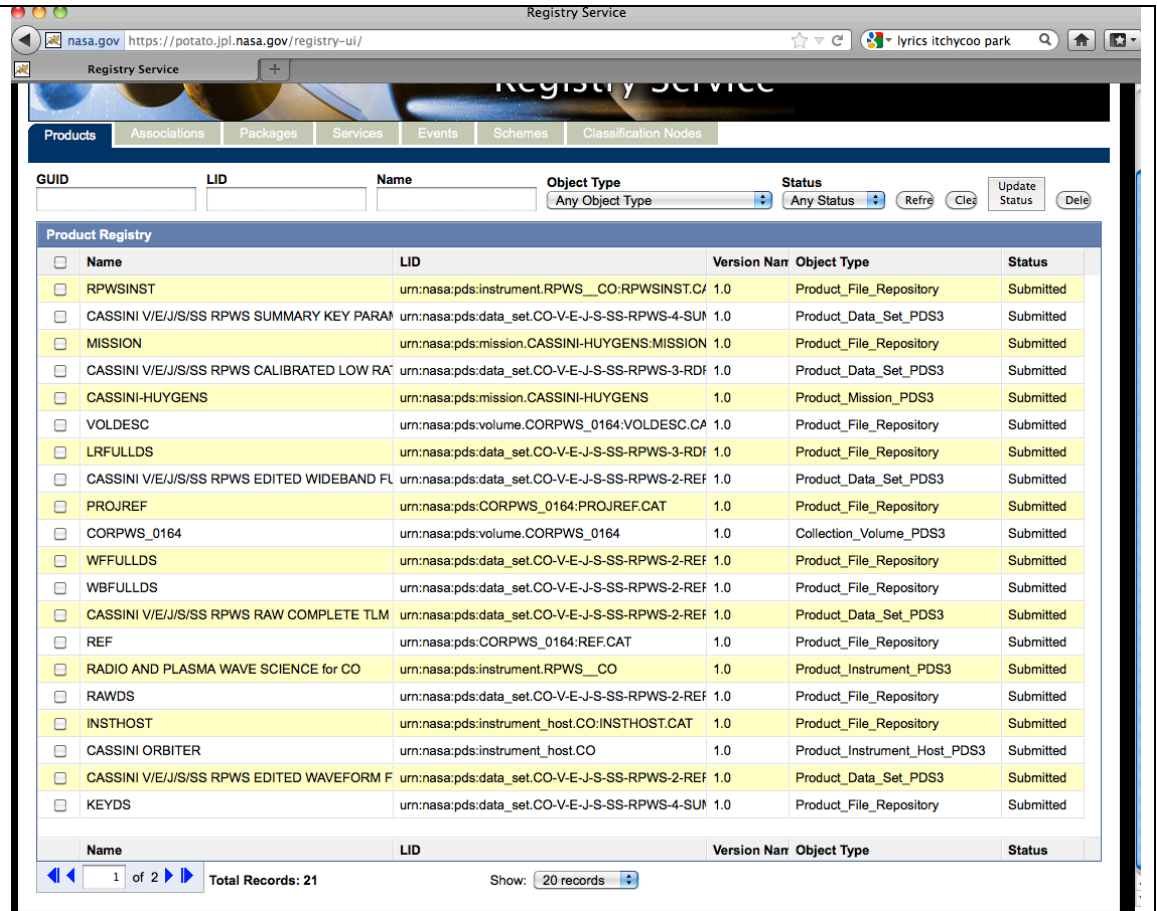|	
Test Case ID	CTLG.T2
Description	Validate a catalog submission.
Test Steps	catalog -mvalidate -d testCatalog/pdsdd.full -t testCatalog/LRO_diviner/

Test Results	catalog -mvalidate -d testCatalog/pdsdd.full -t testCatalog/LRO_diviner/
	
	PDS Catalog Ingest Tool Report
	Configuration:
	Version Version 1.4.0
	Date Fri, Oct 26 2012 at 12:03:05 AM
	Parameters:
	Mode validate
	Target file: *testDir*/testCatalog/LRO_diviner/
	Directory Recursion true
	Dictionary File(s) [testCatalog/pdsdd.full]
	Severity Level WARNING
	Aliasing Enabled false
	Validation Details:
	 PASS: file: *testDir*/testCatalog/LRO_diviner/dsmap.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/dsmap_polar.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/gdrds.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/inst.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/insthost.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/mission.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/person.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/prpds.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/rdrds.cat
	 PASS: file: *testDir*/testCatalog/LRO_diviner/ref.cat
	 FAIL: file: *testDir*/testCatalog/LRO_diviner/voldesc.cat
	  Begin Fragment: file: *testDir*/testCatalog/LRO_diviner/INSTHOST.CAT
	   WARNING The label fragment, "INSTHOST.CAT", should not contain a PDS_VERSION_ID.
	  End Fragment: file: *testDir*/testCatalog/LRO_diviner/INSTHOST.CAT
	  Begin Fragment: file: *testDir*/testCatalog/LRO_diviner/INST.CAT
	   WARNING The label fragment, "INST.CAT", should not contain a PDS_VERSION_ID.
	  End Fragment: file: *testDir*/testCatalog/LRO_diviner/INST.CAT
	  Begin Fragment: file: *testDir*/testCatalog/LRO_diviner/PERSON.CAT
	   WARNING The label fragment, "PERSON.CAT", should not contain a PDS_VERSION_ID.
	  End Fragment: file: *testDir*/testCatalog/LRO_diviner/PERSON.CAT
	  Begin Fragment: file: *testDir*/testCatalog/LRO_diviner/MISSION.CAT
	   WARNING The label fragment, "MISSION.CAT", should not contain a PDS_VERSION_ID.
	   ERROR line 40: Found a reference, "SAYLOR2006A", which is not defined in a REFERENCE_KEY_ID within the label.
	   ERROR line 40: Found a reference, "SAYLOR2006B", which is not defined in a REFERENCE_KEY_ID within the label.
	  End Fragment: file: *testDir*/testCatalog/LRO_diviner/MISSION.CAT
	  Begin Fragment: file: *testDir*/testCatalog/LRO_diviner/REF.CAT
	   WARNING The label fragment, "REF.CAT", should not contain a PDS_VERSION_ID.
	  End Fragment: file: *testDir*/testCatalog/LRO_diviner/REF.CAT
	  Begin Fragment: file: *testDir*/testCatalog/LRO_diviner/GDRDS.CAT
	   WARNING The label fragment, "GDRDS.CAT", should not contain a PDS_VERSION_ID.
	  End Fragment: file: *testDir*/testCatalog/LRO_diviner/GDRDS.CAT

	Referential Integrity Details:
	  FAIL: Reference
	    Parent File(s): [ref.cat]
	    Begin checking children
	      dsmap.cat: "REFERENCE_KEY_ID = SEIDELMANNETAL2002" is not found in a(n) "ref.cat".
	      dsmap.cat: "REFERENCE_KEY_ID = SNYDER1987" is not found in a(n) "ref.cat".
	      dsmap_polar.cat: "REFERENCE_KEY_ID = SEIDELMANNETAL2002" is not found in a(n) "ref.cat".
	      dsmap_polar.cat: "REFERENCE_KEY_ID = SNYDER1987" is not found in a(n) "ref.cat".
	    End checking children
	  PASS: Instrument
	    Parent File(s): [inst.cat]
	    Begin checking children
	    End checking children
	  PASS: Data Set
	    Parent File(s): [gdrds.cat, prpds.cat, rdrds.cat]
	    Begin checking children
	    End checking children
	  PASS: Personnel
	    Parent File(s): [person.cat]
	    Begin checking children
	    End checking children
	  PASS: Instrument Host
	    Parent File(s): [insthost.cat]
	    Begin checking children
	    End checking children
	  PASS: Mission
	    Parent File(s): [mission.cat]
	    Begin checking children
	    End checking children
	New Standard Values:
	Referential Integrity Summary:
	  6 of 6 referential integrity check(s) made, 0 skipped
	  5 of 6 passed
	New Standard Values Summary:
	  0 new standard value(s) found
	Summary:
	  11 of 11 validated, 0 skipped
	  10 of 11 passed
	End of Report

Comments	When validating voldesc.cat, catalog –mvalidate reports that the label fragment, e.g. file DATASET.CAT, "should not contain a PDS_VERSION_ID". Of course, such files must have PDS_VERSION_ID. This is a problem carried over from PDS3.
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	CTLG.T3
Description	Ingest a catalog submission into the registry service

Test Steps	The catalog ingest requires the registry, transport, and storage services be configured together, which is likely too complex for local testing. So before testing:
	• The registry resides at https://potato.jpl.nasa.gov/registry
	• The administrator of the registry provides:
	    o a keystore (in this example, the file is /somewhere/keystore)
	    o a keystore password (e.g. hellopds)
	    o URL for the registry (https://potato.registry.jpl.nasa.gov)
	    o URL for the storage service (http://potato.jpl.nasa.gov:9100)
	    o URL for the transport serv (http://potato.jpl.nasa.gov:80/cas-product)
	    o username/password for the security service (rchen/new4rchen)
	• The keystore has been copied/moved to /somewhere/keystore
	• In the local script catalog (or catalog.bat), the java command has parameters
	    o -Dpds.registry="https://potato.registry.jpl.nasa.gov/registry

	o -Dpds.security.keystore="/somewhere/keystore"
	• To simplify the command-line, create a configuration file named config:
	    citool.mode = ingest
	    citool.user = rchen
	    citool.pass = new4rchen
	    citool.serverUrl = http://potato.jpl.nasa.gov:9100
	    citool.transportUrl = http://potato.jpl.nasa.gov:9000
	    citool.keypass = pdscat
	    citool.verbose = 1
	
	1. catalog -cconfig -t testCatalog/CORPWS_0164/ -r ctlg1.out
	2. In a browser: https://potato.jpl.nasa.gov/registry-ui
	3. (optional) to better see the results of future tests, delete the products just registered by finding every GUID in ctlg1.out, then deleting each one via: curl -X DELETE -v -urchen:new4rchen -k https://potato.jpl.nasa.gov/registry/extrinsics/<guid>
	4. catalog -cconfig -t testCatalog/PPIREF/ -r ctlg3.out
	    catalog -cconfig -t testCatalog/PPIREF/ppiref.cat -r ctlg3.out
	5. catalog -cconfig -t testCatalog/MPC_review/ -r ctlg4.out
	6. catalog -cconfig -t testCatalog/LRO_diviner/ -r ctlg6.out
	    catalog -t testCatalog/CORPWS_0164/ -r ctlg1.out

Test Results	Step 1: either the standard output or the file ctlg1.out has:
	
	Oct 26, 2012 12:54:37 AM org.apache.oodt.cas.filemgr.datatransfer.RemoteDataTransferFactory <init>
	INFO: RemoteDataTransfer enabled: using chunk size: [1024]
	Oct 26, 2012 12:54:37 AM org.apache.oodt.cas.filemgr.datatransfer.RemoteDataTransferer setFileManagerUrl
	INFO: Remote Data Transfer to: [http://potato.jpl.nasa.gov:9100] enabled
	PDS Catalog Ingest Tool Report
	Configuration:
	Version Version 1.4.0
	Date Fri, Oct 26 2012 at 12:54:36 AM
	Parameters:
	Mode ingest
	Target file:*testDir*/testCatalog/CORPWS_0164/
	Directory Recursion true
	Severity Level INFO
	Report File ctlg1.out
	Ingest Details:
	 PASS: file:*testDir*/testCatalog/CORPWS_0164/INSTHOST.CAT
	   INFO: Successfully registered a product. LID - urn:nasa:pds:instrument_host.CO::2.0
	   INFO: Product GUID - urn:uuid:94b9aa06-8b13-4805-92e9-6d7f3d46db5a
	   INFO: Successfully ingested a catalog file to the storage service. productID - 655ef31f-1f42-11e2-92e5-5b9a3f9b4be2
	   INFO: Successfully ingested a file object. GUID - urn:uuid:48fa6e17-90d9-4602-9089-83125f4bfc8a
	 PASS: file:*testDir*/testCatalog/CORPWS_0164/KEYDS.CAT
	   INFO: Successfully registered a product. LID - urn:nasa:pds:data_set.CO-V-E-J-S-SS-RPWS-4-SUMM-KEY60S-V1.0::2.0
	   INFO: Product GUID - urn:uuid:bcc63d43-9a12-48ca-82c8-4caa9980b531
	   INFO: Successfully ingested a catalog file to the storage service. productID - 682e3fc0-1f42-11e2-92e5-5b9a3f9b4be2
	   INFO: Successfully ingested a file object. GUID - urn:uuid:3bfb2a0c-1c64-467d-ad39-0fa4c6c29d23
	 PASS: file:*testDir*/testCatalog/CORPWS_0164/LRFULLDS.CAT
	   INFO: Successfully registered a product. LID - urn:nasa:pds:data_set.CO-V-E-J-S-SS-RPWS-3-RDR-LRFULL-V1.0::2.0
	   INFO: Product GUID - urn:uuid:fc405c61-5bfd-489b-8b59-9727dcbe567c
	   INFO: Successfully ingested a catalog file to the storage service. productID - 6a61c191-1f42-11e2-92e5-5b9a3f9b4be2
	   INFO: Successfully ingested a file object. GUID - urn:uuid:6a795b5f-7596-46a9-9584-b14395999343
	 PASS: file:*testDir*/testCatalog/CORPWS_0164/MISSION.CAT
	   INFO: Successfully registered a product. LID - urn:nasa:pds:mission.CASSINI-HUYGENS::2.0
	   INFO: Product GUID - urn:uuid:a0738799-a4b0-4a60-8ac8-8ed3c58b2a71
	   INFO: Successfully ingested a catalog file to the storage service. productID - 6d078d32-1f42-11e2-92e5-5b9a3f9b4be2

	INFO: Successfully ingested a file object. GUID - urn:uuid:87fd8386-2e1f-400d-a953-252b4c94c24c
	PASS: file:*testDir*/testCatalog/CORPWS_0164/PERSON.CAT
	WARNING: This file is not required to ingest into the registry service.
	INFO: Successfully ingested a catalog file to the storage service. productID - 71ff8633-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:71512e3c-33a5-4e90-b6d2-27678fa2e2cf
	PASS: file:*testDir*/testCatalog/CORPWS_0164/PROJREF.CAT
	WARNING: This file is not required to ingest into the registry service.
	INFO: Successfully ingested a catalog file to the storage service. productID - 73271644-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:f4bd6041-9de4-4456-919b-7c7ff927dffd
	PASS: file:*testDir*/testCatalog/CORPWS_0164/RAWDS.CAT
	INFO: Successfully registered a product. LID - urn:nasa:pds:data_set.CO-V-E-J-S-SS-RPWS-2-REFDR-ALL-V1.0::2.0
	INFO: Product GUID - urn:uuid:b9886324-c29a-40b2-9e43-b6006a551aac
	INFO: Successfully ingested a catalog file to the storage service. productID - 74e5dd45-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:8ebd08a1-a41e-4cd1-85bd-73f75674a744
	PASS: file:*testDir*/testCatalog/CORPWS_0164/REF.CAT
	WARNING: This file is not required to ingest into the registry service.
	INFO: Successfully ingested a catalog file to the storage service. productID - 7677a0d6-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:3efcd6cc-26af-462d-ab38-2c3a4efd27af
	PASS: file:*testDir*/testCatalog/CORPWS_0164/RPWSINST.CAT
	INFO: Successfully registered a product. LID - urn:nasa:pds:instrument.RPWS__CO::2.0
	INFO: Product GUID - urn:uuid:104f2099-5255-4e18-b6ec-5182128889e2
	INFO: Successfully ingested a catalog file to the storage service. productID - 7868c277-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:d7513124-4474-4b34-a1b6-82fd4e64e8ba
	PASS: file:*testDir*/testCatalog/CORPWS_0164/VOLDESC.CAT
	INFO: Successfully registered a product. LID - urn:nasa:pds:volume.CORPWS_0164__USA_NASA_PDS_CORPWS_0XXX::2.0
	INFO: Product GUID - urn:uuid:a3dfefb8-218b-4bd6-89f2-c90dc7e126ca
	INFO: Successfully ingested a catalog file to the storage service. productID - 7a32d418-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:e8dfb409-c589-4064-87c4-a044a3639fbd
	PASS: file:*testDir*/testCatalog/CORPWS_0164/WBFULLDS.CAT
	INFO: Successfully registered a product. LID - urn:nasa:pds:data_set.CO-V-E-J-S-SS-RPWS-2-REFDR-WBRFULL-V1.0::2.0
	INFO: Product GUID - urn:uuid:e9199656-3446-4b8c-89b6-34f49e2d0c1f
	INFO: Successfully ingested a catalog file to the storage service. productID - 7bd168e9-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:2c7ac583-2164-4ded-8081-71b280eaa359
	PASS: file:*testDir*/testCatalog/CORPWS_0164/WFFULLDS.CAT
	INFO: Successfully registered a product. LID - urn:nasa:pds:data_set.CO-V-E-J-S-SS-RPWS-2-REFDR-WFRFULL-V1.0::2.0
	INFO: Product GUID - urn:uuid:4b4363ab-5157-4d8f-82fe-37a4e7ae379f
	INFO: Successfully ingested a catalog file to the storage service. productID - 7e0e127a-1f42-11e2-92e5-5b9a3f9b4be2
	INFO: Successfully ingested a file object. GUID - urn:uuid:0e9f0248-f08e-495c-942e-e9bc8d1db651
	Summary:
	12 of 12 ingested, 0 skipped
	Number of successful file object ingestion: 12
	Number of successful storage service ingestion: 12
	Number of successful registry ingestion: 9
	Name of the registry package: Catalog-Package_CORPWS_0164_20121026005437
	End of Report
Step 2:	

Step 4: for both, output file ctlg3.out is empty, and the command line output is:

Error: VOLUME catalog object is missing in this archive volume. Can't process further.

Step 5:

WARNING: xxxxx/testCatalog/MPC_review/asteroid.cat is missing.
WARNING: xxxxx/testCatalog/MPC_review/comet.cat is missing.
WARNING: xxxxx/testCatalog/MPC_review/satellite.cat is missing.
Oct 26, 2012 1:14:06 AM org.apache.oodt.cas.filemgr.datatransfer.RemoteDataTransferFactory <init>
INFO: RemoteDataTransfer enabled: using chunk size: [1024]
Oct 26, 2012 1:14:06 AM org.apache.oodt.cas.filemgr.datatransfer.RemoteDataTransferer
setFileManagerUrl
INFO: Remote Data Transfer to: [http://potato.jpl.nasa.gov:9100] enabled
Error: Catalog file (asteroid.cat) is missing in the archive volume and can't get it from the storage service.

Step 6:

PDS Catalog Ingest Tool Report
Configuration:
Version   Version 1.4.0
Date   Fri, Oct 26 2012 at 01:19:59 AM
Parameters:
Mode   ingest
Target   file:*testDir*/testCatalog/LRO_diviner/
Directory Recursion   true
Severity Level   INFO
Report File   ctlg3.out
Ingest Details:
  SKIP: file:*testDir*/testCatalog/LRO_diviner/dsmap.cat
    WARNING: This file is not required to ingest into the registry service.
  SKIP: file:*testDir*/testCatalog/LRO_diviner/dsmap_polar.cat
    WARNING: This file is not required to ingest into the registry service.
  PASS: file:*testDir*/testCatalog/LRO_diviner/gdrds.cat
    INFO: Successfully registered a product. LID - urn:nasa:pds:data_set.null::1.0
    INFO: Product GUID - urn:uuid:4081cbb3-bc41-4785-bb0d-1db44a61450f
    INFO: Successfully ingested a catalog file to the storage service. productID - f0cc47d7-1f45-11e2-92e5-5b9a3f9b4be2
    INFO: Successfully ingested a file object. GUID - urn:uuid:5ab0fe18-8bc0-4729-aa43-85521f5072ba
[snip…]

<table>
<tr><td></td><td>Summary:
  9 of 11 ingested, 2 skipped
  Number of successful file object ingestion: 9
  Number of successful storage service ingestion: 9
  Number of successful registry ingestion: 7
  Name of the registry package: Catalog-Package_LRODLR_1001_20121026012001
End of Report

Step 7: upon forgetting to specify a config file or command-line parameters:
  Exception: null</td></tr>
</table>

Comments	Step 1 fixed (failed using –c): https://oodt.jpl.nasa.gov/jira/browse/PDS-87
	Step 4: Catalog -mingest fails if files to ingest do not include voldesc.cat. Not having voldesc.cat is fairly common. https://oodt.jpl.nasa.gov/jira/browse/PDS-53
	Step 5 fixed (poor error message): https://oodt.jpl.nasa.gov/jira/browse/PDS-88
	Step 6: Died in build2b upon hitting dsmap.cat. Has worked fine since.
	Step 7: https://oodt.jpl.nasa.gov/jira/browse/PDS-123 I forgot to specify the configuration file. The error message was not helpful: % catalog -t testCatalog/CORPWS_0164/ -r ctlg1.out Exception: null
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	GNRT.T1
Description	Generate a PDS4 label from a PDS3 label or a PDS-specific DOM object.
Test Steps	Some files in testHarvest come from PDS3 labels. Generate automatically and compare. Step 3 would be better with an xml diff. 1. cd *testDir*/ 2. generate -p testGenerate/ELE_MOM.LBL -t testGenerate/data.vm -o -o holdings/ele_mom.pds4.lbl 3. diff -w testGenerate/ele_mom_pds4.xml holdings/ele_mom.pds4.lbl
Test Results	Step 3: 1,8c1 < <?xml version="1.0" encoding="UTF-8"?> < <Product_Observational xmlns="http://pds.nasa.gov/schema/pds4/pds/v06" < xmlns:pds="http://pds.nasa.gov/schema/pds4/pds/v06" < xmlns:dph="http://pds.nasa.gov/schema/pds4/dph/v01" < xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" < xsi:schemaLocation="http://pds.nasa.gov/schema/pds4/dph/v01 http://pds.jpl.nasa.gov/repository/pds4/examples/dph_examples_6h/dph_example_archive_VG2PLS/schemas/Product_TableChar_tailored_0600h.xsd" < xsi:type="dph:Product_Table_Character"> < --- > <Product_Observational xmlns="http://pds.nasa.gov/schema/pds4/pds/v06" xmlns:dph="http://pds.nasa.gov/schema/pds4/dph/v01" xmlns:pds="http://pds.nasa.gov/schema/pds4/pds/v06" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://pds.nasa.gov/schema/pds4/dph/v01 http://pds.jpl.nasa.gov/repository/pds4/examples/dph_examples_6h/dph_example_archive_VG2PLS

```
/schemas/Product_TableChar_tailored_0600h.xsd" xsi:type="dph:Product_Table_Character">
25d17
<
72d63
<
81,82c72
<       <Node_Area>
<       </Node_Area>
---
>    <Node_Area/>
103,130d91
<           <Field_Character>
<             <name>TIME</name>
<             <field_number>1</field_number>
<             <field_location>1</field_location>
<             <data_type>ASCII_Time</data_type>
<             <field_length>24</field_length>
<             <description>
<               Time column. This field contains time in PDS format
<               yyyy-mm-ddThh:mm:ss.sssZ. The individual elements of the
<               time field can be read using the format
<               (i4,4(1x,i2),1x,f6.3) yr, mon, day, hr, min, sec.
<             </description>
<           </Field_Character>
<           <Field_Character>
<             <name>ELE_DEN</name>
<             <field_number>2</field_number>
<             <field_location>25</field_location>
<             <data_type>ASCII_Real</data_type>
<             <field_length>10</field_length>
<             <unit>count/cm**3</unit>
<             <description>
<               Column contains total electron moment density in counts/cm^3.
<             </description>
<             <Special_Constants>
<               <missing_constant>-9.99e+10</missing_constant>
<             </Special_Constants>
<           </Field_Character>
135c96
<           <data_type>ASCII_Real</data_type>
---
>       <data_type>ASCII_REAL</data_type>
137,141c98
<           <unit>electronvolt</unit>
<           <description>
<             Column contains total electron moment temperature in units of
<             electron volts.
<           </description>
---
>       <description>Column contains total electron moment temperature in units of        electron
volts.</description>
```

Comments	These may be due to unfamiliarity with the velocity/generate language. Nevertheless
	1. The PDS3 file has: ^TABLE = "ELE_MOM.TAB" What's the correct way to handle the caret in the template? Because of this, data.vm has <file_name>$label.PRODUCT_ID</file_name> instead of the more correct <file_name>$label.^TABLE</file_name> 2. FIXED: The template has <dph:spacecraft_clock_start_count>2/20541:22:726</dph:spacecraft_clock_start_count> But the output strips off dph: 3. I don't think #foreach alone suffices. What other looping construct can I use? My pds3.lbl has

	OBJECT = TABLE
	  OBJECT = COLUMN
	   A = X
	   B = X2
	   END_OBJECT = COLUMN
	  OBJECT = COLUMN
	   A = Y
	   B = Y2
	   END_OBJECT = COLUMN
	  OBJECT = COLUMN
	   A = Z
	   B = Z2
	   END_OBJECT = COLUMN
	while my .vm file has
	#set($fieldCharacterList =
	$label.getRecords('TABLE.COLUMN.A','TABLE.COLUMN.B'))
	#foreach($fieldCharacter in $fieldCharacterList)
	       <Field_Character>
	         <name>$fieldCharacter.A</name>
	         <field_number>$fieldCharacter.B</field_number>
	       </Field_Character>
	#end
	However, generate doesn't produce 1 Field_Character (the last one), not 3.
	4. The opening <?xml> tag is stripped off
	
	https://oodt.jpl.nasa.gov/jira/browse/PDS-55

Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	HVT.T1
Description	Provide a command-line interface, accept a configuration file, recursively traverse directories, determine candidates for registration, capture metadata, submit metadata to the Registry Service, track each artifact registration.
Test Steps	The harvesting in this test is redundant to tests BNDL.T*. The deleting (not a core function) is different, so if desired: 1. Flush database as described in test BNDL.T0 2. harvest Clem_Basemap_Bundle -e '*.xml' -c harvestConfig.xml > out.txt 3. In browser, check for harvested files. http://localhost:8080/registry-ui/ 4. grep "Registration Package GUID" out.txt 5. Replace *guid* with the GUID from the previous line: curl -X DELETE -v http://localhost:8080/registry/packages/*guid*/members 6. In browser, http://localhost:8080/registry-ui/

Test Results	Step 2: Just as in test BNDL.T3
	    PDS Harvest Tool Log
	    Version Version 1.3.0
	    Time Fri, Oct 26 2012 at 02:18:50 AM
	    Severity Level INFO
	    Registry Location http://localhost:8080/registry
	    Registry Package Name test validity using harvest
	    Registration Package GUID urn:uuid:98b354af-76cd-4e74-886f-7a6433af8782

<table>
<tr><td></td><td>

INFO: XML extractor set to the following default namespace: http://pds.nasa.gov/pds4/pds/v03
INFO: [Clem_Basemap_Bundle/bundle_1.xml] Begin processing.
[snip…]
INFO: [Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml] Product has the following GUID: urn:uuid:805ed1c0-40d0-4eac-b1eb-4045b260aa37
Summary:
12 of 12 file(s) processed, 2 other file(s) skipped
0 error(s), 0 warning(s)
12 of 12 products registered.
32 of 32 ancillary products registered.
Product Types Registered:
1 Product_Document
6 Product_Observational
1 Product_Bundle
4 Product_Collection
32 Product_File_Repository
0 of 0 associations registered.
End of Log

Step 3:

Step 6: "There is no data to display"

</td></tr>
</table>
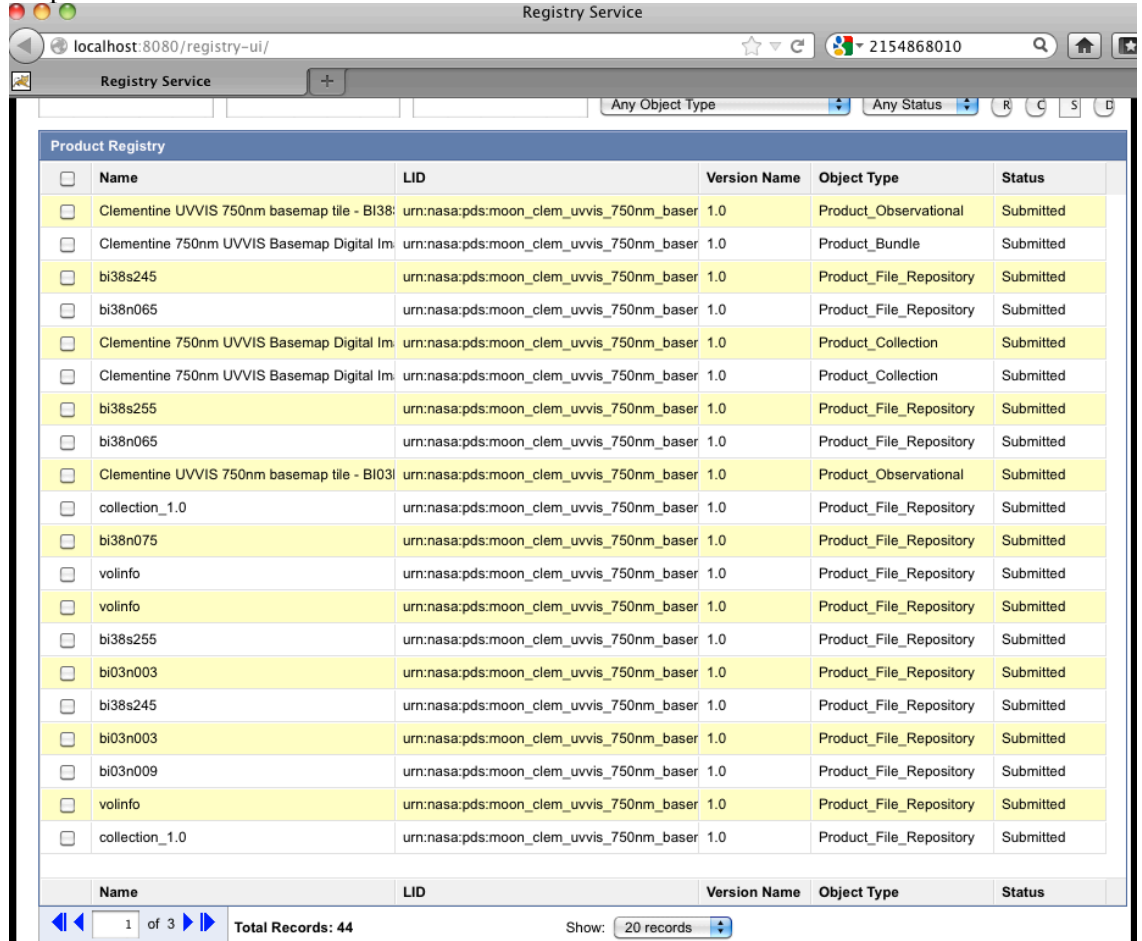
Comments	
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	HVT.T2
Description	Execute from a scheduler, accept a configuration file, recursively traverse directories, determine candidates for registration, capture metadata, submit metadata to the

	Registry Service.
Test Steps	1. Flush database as described in test BNDL.T0 2. cd *testDir/*; mkdir x; mv Clem_Basemap_Bundle/* x 3. harvest Clem_Basemap_Bundle –c harvestConfig.xml -l log.txt -P 9000 -w 120 4. In browser, note unchanged Num Records. http://localhost:8080/registry-ui/ In a different terminal window 5. harvest-ctrl --url http://localhost:9000/xmlrpc --operation --isRunning 6. cd testDir; mv x/* Clem_Basemap_Bundle; rmdir x 7. In browser, after at most 120 seconds note changing Num Records. http://localhost:8080/registry-ui/ After Num Records stops increasing 8. harvest-ctrl --url http://localhost:9000/xmlrpc --operation --stop 9. grep "products registered" log.txt 10. grep Registration log.txt 11. Replace *guid* with the GUID from the previous line: curl -X DELETE -v http://localhost:8080/registry/packages/*guid*/members 12. Check Num Records is original value: http://localhost:8080/registry-ui
Test Results	Step 5: Yes Step 8: Num Records should increase by the number of products registered, which should be greater or equal to the number registered in HVT.T1 (note that they are not always equal because the first parameter to harvest in the previous test was a bundle file while the first parameter here is the directory that includes the bundle file and possibly other valid xml files) Step 9: Crawl Daemon: [http://localhost:9000/xmlrpc]: shutdown successful
Comments	
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	HVT.T3
Description	Harvest a large number of files. In build 3a, redundant to BNDL.T4. Skip.
Test Steps	1. cd *testDir/*; cp testHarvest/harvestLarge.xml ./harvestLarge.xml 2. Edit harvestLarge.xml: change path of \<file\> to *testDir*/testHarvest/… 3. harvest testHarvest/Product_Bundle -c harvestContext.xml 4. In browser, check for harvested files. http://localhost:8080/registry-ui/ 5. grep Registration out.txt 6. Replace *guid* with the GUID from the previous line: curl -X DELETE -v http://localhost:8080/registry/packages/*guid*/members Concurrently, in a browser, http://localhost:8080/registry-ui 7. http://localhost:8080/registry-ui
Test Results	Step 3: The bottom of out.txt should have: Summary: 718 of 718 file(s) processed, 0 skipped 1978 of 2088 products registered. 1370 of 1370 associations registered, 0 skipped End of Log
Comments	
Date of Testing	

Test Personnel	Richard Chen

Test Case ID	GEN.T1
Description	Run components distributed over multiple machines on any PDS-supported platforms.
Test Steps	Ensure your machine is not the same machine as the registry's. Run AATESTME.* steps.
Test Results	Results should be as described in the AATESTME.* Test Results.
Comments	
Date of Testing	2012 Oct 25
Test Personnel	Richard Chen

Test Case ID	GEN.T2 *not ready for build 1
Description	Services provide an application programming interface.
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	GEN.T3 *not ready for build 1
Description	Run tools via an application programming interface.
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	GEN.T4 *not ready for build 2b
Description	Services provide an interface to enable monitoring of health.
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	GEN.T5 *not ready for build 2b
Description	Applications meet Section 508 compliance guidelines.
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	GEN.T6
Description	Restrict access to operations that alter the content of the registry.
Test Steps	(Skip this test if registry is uncontrolled) Repeat CTLG.T3's step 1 but with a bad password (or any other test that uses a password): catalog -mingest -urchen -pBADPASSWORD -shttp://potato.jpl.nasa.gov:9100 -Thttp://potato.jpl.nasa.gov:9000 -kpdscat -v1 -t testCatalog/CORPWS_0164
Test Results	Oct 26, 2012 2:59:34 AM org.apache.oodt.cas.filemgr.datatransfer.RemoteDataTransferFactory <init> INFO: RemoteDataTransfer enabled: using chunk size: [1024] Oct 26, 2012 2:59:34 AM org.apache.oodt.cas.filemgr.datatransfer.RemoteDataTransferer setFileManagerUrl INFO: Remote Data Transfer to: [http://potato.jpl.nasa.gov:9100] enabled FAILURE: Error occurred to create a registry package. Error Status = Unauthorized Please provide correct username/password for the registry service.
Comments	FIXED (ugly error message): https://oodt.jpl.nasa.gov/jira/browse/PDS-89
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	GEN.T7
Description	Document components' capabilities, dependencies, interfaces, installation, operation
Test Steps	Examine such documentation, currently accessible from http://pds-engineering.jpl.nasa.gov/pds2010/development/3.0.0
Test Results	
Comments	
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	PRV.T1
Description	Accept a file or a directory name for product(s) to be validated. If directory, be able to traverse the tree to find products. Indicate the schemas utilized during validation.
Test Steps	1. cd *testDir/* 2. validate Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml 3. validate Clem_Basemap_Bundle -e "*.xml"

	If any files besides harvestContext.xml FAIL, it may be because validate uses a different default .sch (or .xsd) file than the file was created with. Hopefully, the failed file lists the expected schematron file. If not, successful files may. Also, many bundles include the expected schematron and .xsd files 4. grep "\\.sch\\ |\\.xsd" *anyFailedFile* 5. Use the URL of the schematron or the .xsd in the command validate Clem_Basemap_Bundle –e "*.xml" –x Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xsd Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xsd

Test Results	Step 2:
	
	PDS Validate Tool Report
	Configuration:
	  Version 1.2.0
	  Time Fri, Oct 26 2012 at 03:04:23 AM
	  Core Schemas [PDS4_OPS_0300a.xsd]
	  Core Schematrons [PDS4_OPS_0300a.sch]
	  Model Version 0300a
	Parameters:
	  Target(s) [Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml]
	  Severity Level Warnings
	  Recurse Directories true
	Validation Details:
	  PASS: file:*testDir*/Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml
	Summary:
	  1 of 1 file(s) processed, 0 skipped
	  1 of 1 file(s) passed validation
	End of Report
	
	Step 3: the files with locally defined keywords (in this example, "img:") fail.
	
	PDS Validate Tool Report
	Configuration:
	  Version 1.2.0
	  Time Fri, Oct 26 2012 at 03:05:18 AM
	  Core Schemas [PDS4_OPS_0300a.xsd]
	  Core Schematrons [PDS4_OPS_0300a.sch]
	  Model Version 0300a
	Parameters:
	  Target(s) [Clem_Basemap_Bundle]
	  Severity Level Warnings
	  Recurse Directories true
	  File Filter(s) Used [*.xml]
	Validation Details:
	  PASS: file:*testDir*/Clem_Basemap_Bundle/bundle_1.xml
	  PASS: file:*testDir*/Clem_Basemap_Bundle/data/collection_1.0.xml
	  FAIL: file:*testDir*/Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml
	    ERROR line 71, 42: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Imaging_Instrument_Parameters'.
	    ERROR line 77, 21: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Geometry'.
	    ERROR line 86, 64: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Cartography'.
	  FAIL: file:*testDir*/Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml
	    ERROR line 71, 42: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Imaging_Instrument_Parameters'.
	    ERROR line 77, 21: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Geometry'.
	    ERROR line 86, 64: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Cartography'.
	  FAIL: file:*testDir*/Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml
	    ERROR line 71, 42: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Imaging_Instrument_Parameters'.
	    ERROR line 77, 21: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Geometry'.
	    ERROR line 86, 64: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Cartography'.
	  FAIL: file:*testDir*/Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml
	    ERROR line 71, 42: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Imaging_Instrument_Parameters'.

<table>
<tr><td></td><td>

ERROR line 77, 21: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Geometry'.
ERROR line 86, 64: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Cartography'.
FAIL: file:*testDir*/Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml
ERROR line 71, 42: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Imaging_Instrument_Parameters'.
ERROR line 77, 21: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Geometry'.
ERROR line 86, 64: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Cartography'.
FAIL: file:*testDir*/Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml
ERROR line 71, 42: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Imaging_Instrument_Parameters'.
ERROR line 77, 21: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Geometry'.
ERROR line 86, 64: cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'img:Cartography'.
PASS: file:*testDir*/Clem_Basemap_Bundle/document/collection_1.0.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/document/volinfo.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xml
PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xml
Summary:
14 of 14 file(s) processed, 0 skipped
8 of 14 file(s) passed validation
End of Report

Step 4:

```
<?xml-model href="http://pds.nasa.gov/pds4/pds/v03/PDS4_PDS_0300a.sch"
<Product_Observational xmlns="http://pds.nasa.gov/pds4/pds/v03"
xmlns:img="http://pds.nasa.gov/pds4/img/v1" xmlns:pds="http://pds.nasa.gov/pds4/pds/v03"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://pds.nasa.gov/pds4/pds/v03    http://pds.nasa.gov/pds4/pds/v03/PDS4_PDS_0300a.xsd
http://pds.nasa.gov/pds4/img/v1    http://pds.nasa.gov/pds4/img/v1/imaging_dictionary.xsd">
```

Step 5:

PDS Validate Tool Report
Configuration:
  Version   1.2.0
  Time   Fri, Oct 26 2012 at 03:14:12 AM
  Core Schematrons   [PDS4_OPS_0300a.sch]
  Model Version   0300a
Parameters:
  Target(s)   [Clem_Basemap_Bundle]
  User-Specified Schemas   [Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xsd,
Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xsd]
  Severity Level   Warnings
  Recurse Directories   true
  File Filter(s) Used   [*.xml]
Validation Details:
  PASS: file:*testDir*/Clem_Basemap_Bundle/bundle_1.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/data/collection_1.0.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi00_35n/bi03n003.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi00_35n/bi03n009.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi35_70n/bi38n065.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi35_70n/bi38n075.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi70_35s/bi38s245.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/data/bi70_35s/bi38s255.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/document/collection_1.0.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/document/volinfo.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/miscellaneous/transfer_manifest.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/collection_1.0.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/imaging_dictionary.xml
  PASS: file:*testDir*/Clem_Basemap_Bundle/XML_Schema/PDS4_PDS_0300a.xml
Summary:
14 of 14 file(s) processed, 0 skipped
14 of 14 file(s) passed validation
End of Report

</td></tr>
<tr><td>Comments</td><td>Validate seems to ignore the file's "<?xml-model href="http://...sch"?>". That may be reasonable behavior, but perhaps it would be more transparent if validate 1) tried the</td></tr>
</table>

	default schematron, 2) upon failure tried the schematron listed in the file and noted that in the output. http://oodt.jpl.nasa.gov/jira/browse/PDS-85
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	PRV.T2 *not ready for build 3a
Description	Verify that a referenced file exists.
Test Steps	1. cp testHarvest/data/ele_mom_tblChar.xml holdings/ 2. validate holdings/ele_mom_tblChar.xml 3. cp testHarvest/data/ELE_MOM.TAB holdings/ 4. validate holdings/ele_mom_tblChar.xml
Test Results	Step 2: ERROR missing ELE_MOM.TAB Step 4: no errors
Comments	
Date of Testing	
Test Personnel	

Test Case ID	PRV.T3 *not ready for build 3a
Description	Validate aggregate products and all products referenced in the aggregation.
Test Steps	1. cd *testDir* 2. If step 3 of PRV.T1 had schematron errors, to the following command append the –S of step 5 of PRV.T1; else, simply: validate testHarvest/Product_Bundle.xml

Test Results	PDS Validate Tool Report
	PDS Validate Tool Report
	Configuration:
	  Version 1.1.0
	  Time Sat, Jul 14 2012 at 11:46:42 PM
	  Core Schemas [PDS4_OPS_0800k.xsd]
	  Model Version 0800k
	Parameters:
	  Target(s) [testHarvest/Product_Bundle.xml]
	  User-Specified Schematrons
	[http://pds.jpl.nasa.gov/repository/pds4/examples/dph_examples_8k/dph_example_archive_VG2PLS/schemas/PDS4_OPS_0800k.sch]
	  Severity Level Warnings
	  Recurse Directories true
	Validation Details:
	 PASS: file:*testDir*/testHarvest/Product_Bundle.xml
	 PASS: file:*testDir*/testHarvest/browse/Collection_Browse.xml
	 PASS: file:*testDir*/testHarvest/browse/ele_mom_browse.xml
	 PASS: file:*testDir*/testHarvest/context/Collection_Context.xml
	 PASS: file:*testDir*/testHarvest/context/InstHostPDS3_VG2.xml
	 PASS: file:*testDir*/testHarvest/context/InstPDS3_PLS__VG2.xml
	 PASS: file:*testDir*/testHarvest/context/MissionPDS3_VOYAGER.xml
	 PASS: file:*testDir*/testHarvest/context/TargetPDS3_JUPITER.xml
	 PASS: file:*testDir*/testHarvest/data/Collection_Data.xml
	 PASS: file:*testDir*/testHarvest/data/ele_mom_tblChar.xml
	 PASS: file:*testDir*/testHarvest/document/Collection_Document.xml
	 PASS: file:*testDir*/testHarvest/document/checksums.xml
	 PASS: file:*testDir*/testHarvest/document/errata.xml

PASS: file:*testDir*/testHarvest/document/mission.xml
PASS: file:*testDir*/testHarvest/document/plsinst.xml
PASS: file:*testDir*/testHarvest/schemas/aaCollection_XML_Schema.xml
PASS: file:*testDir*/testHarvest/schemas/aaLabel_SCH_PDS4_PDS_0800k.xml
PASS: file:*testDir*/testHarvest/schemas/aaLabel_XSD_PDS4_PDS_0800k.xml
PASS: file:*testDir*/testHarvest/schemas/aaLabel_XSD_PDS4_OPS_0800k.xml
PASS: file:*testDir*/testHarvest/schemas/aaLabel_SCH_PDS4_OPS_0800k.xml
Summary:
  20 of 20 file(s) processed, 0 skipped
  20 of 20 file(s) passed validation
End of Report

	Note that unlike PRV.T1, validate did not examine harvestContext.xml since it wasn't listed in Product_Bundle.xml
Comments	
Date of Testing	2012 Jul 14
Test Personnel	Richard Chen

Test Case ID	PRV.T4 *not ready for build 2b
Description	Merge label fragments
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	PRV.T5 *not ready for build 3a
Description	Validate schemas
Test Steps	validate testHarvest/schemas/aaLabel_SCH_PDS4_OPS_0800k.xml

Test Results	PDS Validate Tool Report
	Configuration:
	  Version 1.1.0
	  Time Sat, Jul 14 2012 at 11:49:27 PM
	  Core Schemas [PDS4_OPS_0800k.xsd]
	  Model Version 0800k
	Parameters:
	  Target(s) [testHarvest/schemas/aaLabel_SCH_PDS4_OPS_0800k.xml]
	  Severity Level Warnings
	  Recurse Directories true
	Validation Details:
	  PASS: file:*testDir*/testHarvest/schemas/aaLabel_SCH_PDS4_OPS_0800k.xml
	Summary:
	  1 of 1 file(s) processed, 0 skipped
	  1 of 1 file(s) passed validation
	End of Report

Comments	
Date of Testing	2012 Jul 14
Test Personnel	Richard Chen

Test Case ID	PRV.T6

Description	Accept schema file specified by file or directory
Test Steps	Step 5 of test PRV.T1 does this
Test Results	
Comments	
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	REG.T1
Description	Validate and accept metadata to register an artifact or modify an artifact's registration, query for a registered artifact, delete a registered artifact
Test Steps	1. cd *testDir* 2. http://localhost:8080/registry/extrinsics/logicals/testing.REG.T1 in a browser shows no current product has lid "testing.REG.t1", which input files test.REG.T1[abc].xml have. 3. curl -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T1a.xml http://localhost:8080/registry/extrinsics attempts to register the bad input file 4. Repeat step 1 to ensure lid still does not exist. 5. curl -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T1b.xml http://localhost:8080/registry/extrinsics registers a good input file 6. Repeat step 2 to see the lid 7. curl -X DELETE --verbose http://localhost:8080/registry/extrinsics/testing.REG.T1.v1.0 8. Repeat step 1 to ensure lid no longer exists 9. curl -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T1c.xml http://localhost:8080/registry/extrinsics/logicals registers a good input file with different values for the phone numbers 10. Repeat step 1 to see the changed values

Test Results	Step 2: The error message should be "HTTP Status 500 –". If lid does exist, run step 7
	
	Step 3:
	    * About to connect() to localhost port 8080 (#0)
	    *　Trying 127.0.0.1... connected
	    * Connected to localhost (127.0.0.1) port 8080 (#0)
	    > POST /registry/extrinsics/logicals HTTP/1.1

> User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
> Host: localhost:8080
> Accept: */*
> Content-type:application/xml
> Content-Length: 655
< HTTP/1.1 400 Bad Request
< Server: Apache-Coyote/1.1
< Content-Type: text/html;charset=utf-8
< Content-Length: 990
< Date: Fri, 26 Oct 2012 10:23:09 GMT
< Connection: close
* Closing connection #0
<html><head><title>Apache Tomcat/7.0.30 - Error report</title><style><!--H1 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:22px;} H2 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:16px;} H3 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:14px;} BODY {font-family:Tahoma,Arial,sans-serif;color:black;background-color:white;} B {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;} P {font-family:Tahoma,Arial,sans-serif;background:white;color:black;font-size:12px;}A {color : black;}A.name {color : black;}HR {color : #525D76;}--></style> </head><body><h1>HTTP Status 400 - Bad Request</h1><HR size="1" noshade="noshade"><p>type Status report</p><p>message <u>Bad Request</u></p><p>description <u>The request sent by the client was syntactically incorrect.</u></p><HR size="1" noshade="noshade"><h3>Apache Tomcat/7.0.30</h3></body></html>

Step 4: Same as step 2

Step 5: Benign output messages without "ERROR":

* About to connect() to localhost port 8080 (#0)
*   Trying 127.0.0.1... connected
* Connected to localhost (127.0.0.1) port 8080 (#0)
> POST /registry/extrinsics HTTP/1.1
> User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
> Host: localhost:8080
> Accept: */*
> Content-type:application/xml
> Content-Length: 631
< HTTP/1.1 201 Created
< Server: Apache-Coyote/1.1
< Location: http://localhost:8080/registry/extrinsics/testing.REG.T1.v1.0
< Content-Type: application/xml
< Transfer-Encoding: chunked
< Date: Fri, 26 Oct 2012 10:29:21 GMT
* Connection #0 to host localhost left intact
* Closing connection #0
testing.REG.T1.v1.0

Step 6: Upon success, the registry service returns good xml. In firefox:
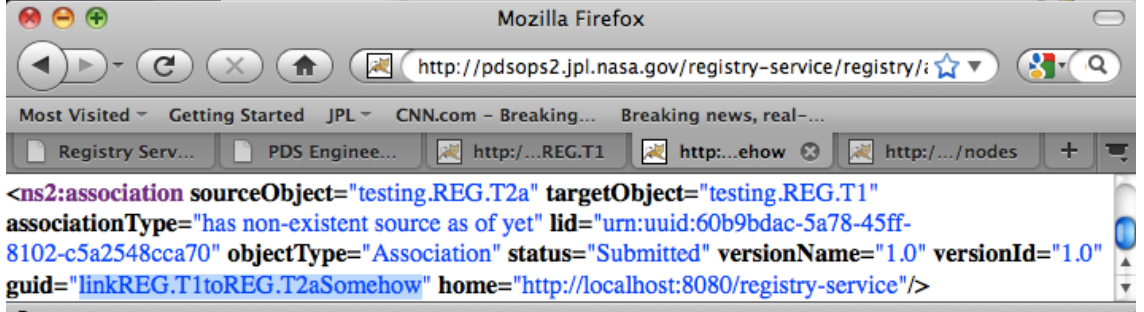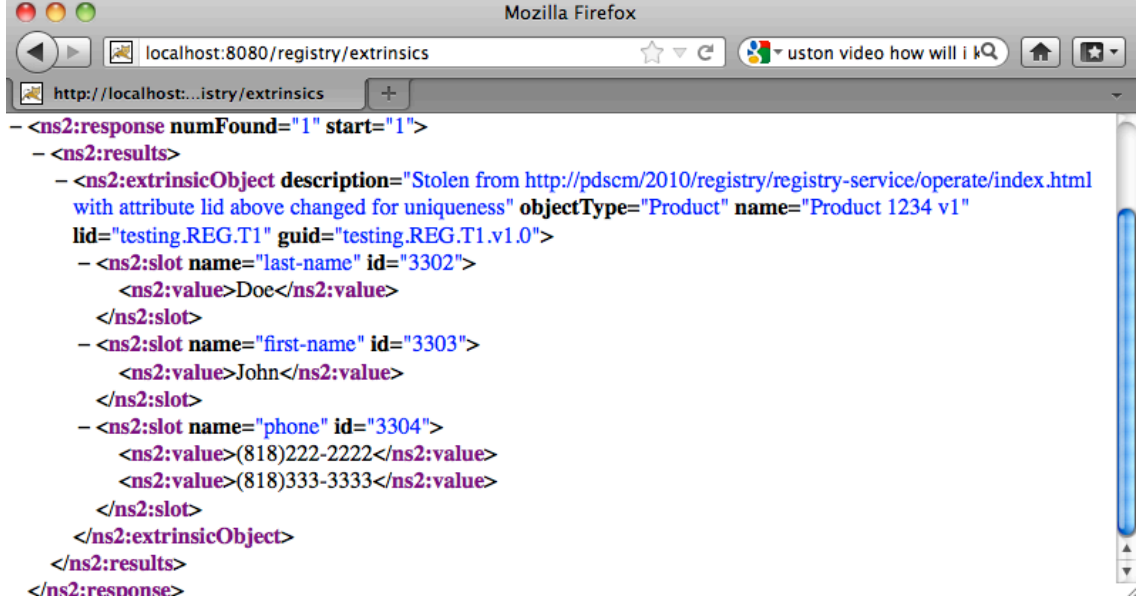
Step 7:

* About to connect() to localhost port 8080 (#0)
*   Trying 127.0.0.1... connected
* Connected to localhost (127.0.0.1) port 8080 (#0)
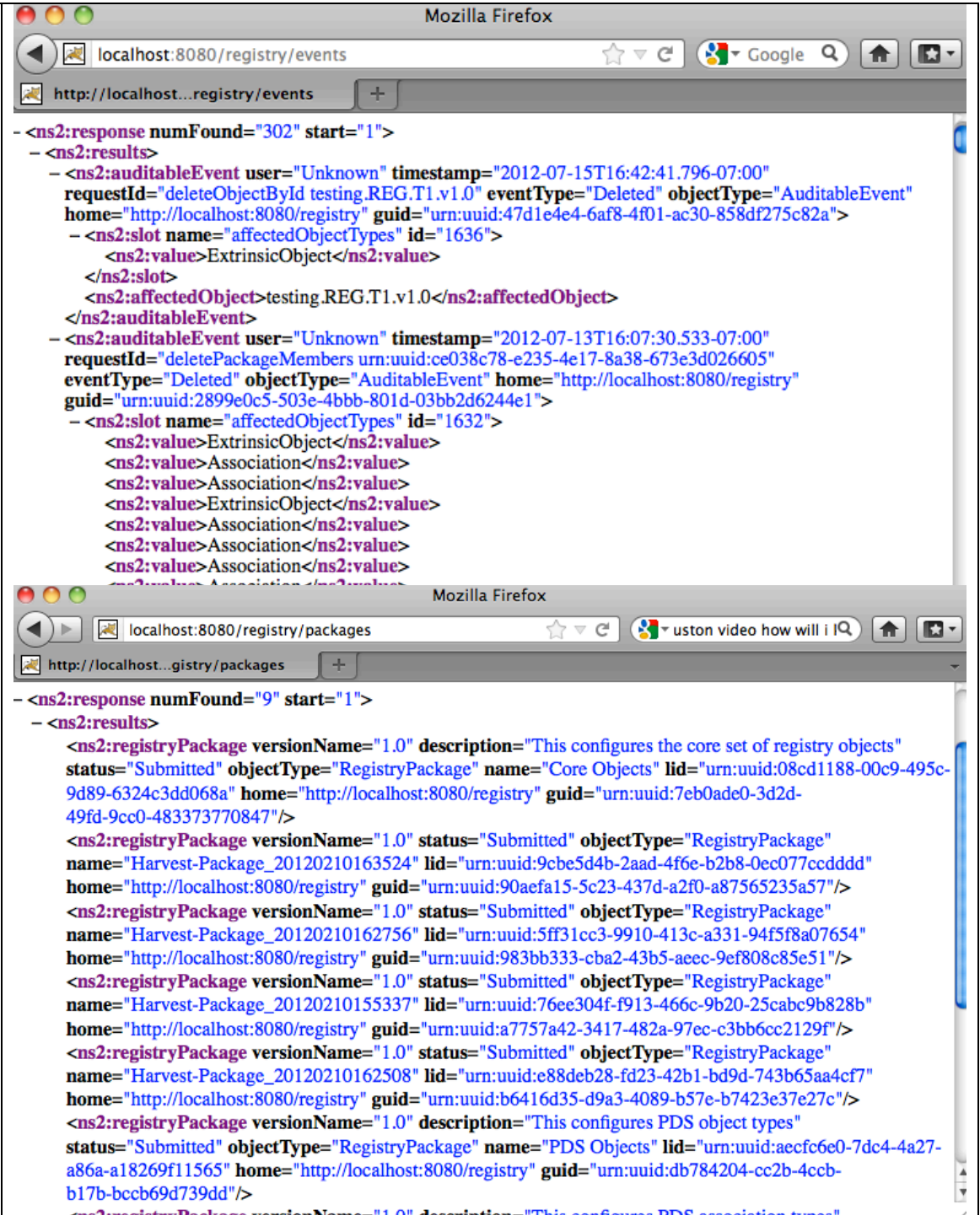
<table>
<tr><td></td><td>> DELETE /registry/extrinsics/testing.REG.T1.v1.0 HTTP/1.1
> User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
> Host: localhost:8080
> Accept: */*
< HTTP/1.1 200 OK
< Server: Apache-Coyote/1.1
< Content-Type: application/xml
< Content-Length: 0
< Date: Fri, 26 Oct 2012 10:34:16 GMT
* Connection #0 to host localhost left intact
* Closing connection #0

Step 8: Same as step 2
Step 9: Similar to step 5
Step 10: Similar to step 6 but with different values for the phone numbers, i.e. from (818)777-7777 and (818)888-8888 to (818)222-2222 and (818)333-3333</td></tr>
<tr><td>Comments</td><td></td></tr>
<tr><td>Date of Testing</td><td>2012 Oct 26</td></tr>
<tr><td>Test Personnel</td><td>Richard Chen</td></tr>
</table>

<table>
<tr><td>Test Case ID</td><td>REG.T2 *obsolete</td></tr>
<tr><td>Description</td><td>Relate artifact registrations, regardless of whether artifact has been registered yet</td></tr>
<tr><td>Test Steps</td><td>1. http://localhost:8080/registry/associations/linkREG.T1toREG.T2aSomehow shows no such associations
2. curl -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T2.xml http://localhost:8080/registry/registry/associations -u*username:password* -k adds 1 association (from a nonexistent sourceLid) to desired targetLid
3. Repeat step 1 to see the association
(POSTing the sourceLids referenced in steps 2 and 3 is actually unnecessary)</td></tr>
<tr><td>Test Results</td><td>Step 1: The error message should be "HTTP Status 500", then much like REG.T1's step 2's output. If not (i.e. if output looks like step 3's below
     curl -X DELETE -v
     http://localhost:8080/registry/associations/linkREG.T1toREG.T2aSomehow

Step 2: Benign output messages without "ERROR"
* About to connect() to pdsops2.jpl.nasa.gov port 80 (#0)
* Trying 128.149.132.54... connected<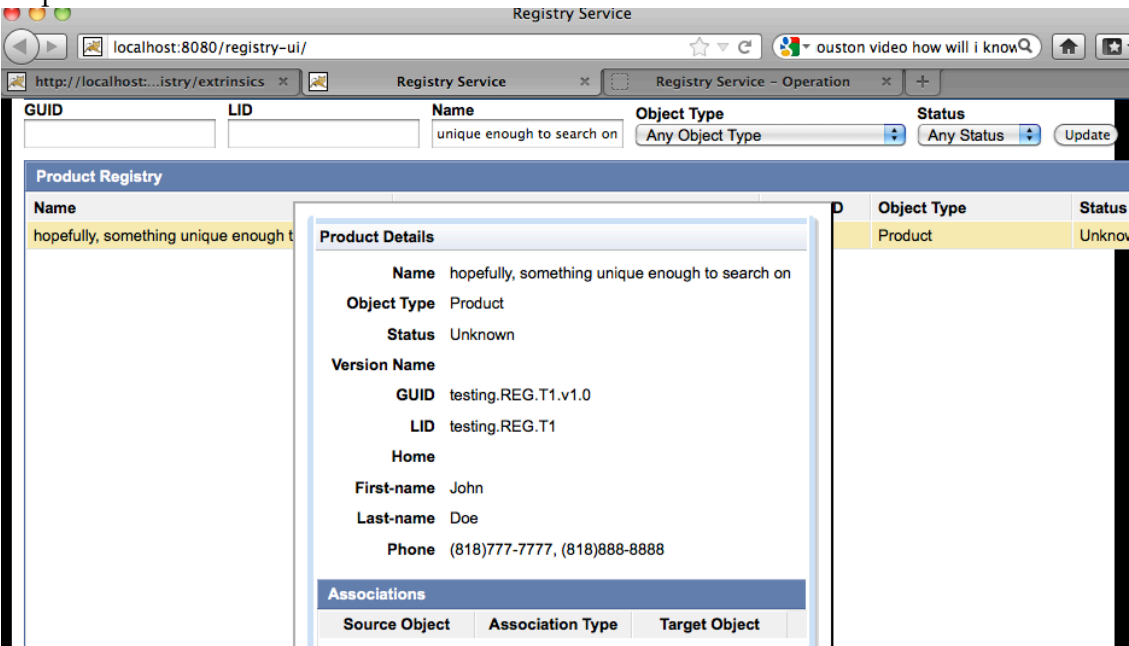br>* Connected to pdsops2.jpl.nasa.gov (128.149.132.54) port 80 (#0)
> POST /registry/registry/associations HTTP/1.1
> User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8l zlib/1.2.3
> Host: pdsops2.jpl.nasa.gov
> Accept: */*
> Content-type:application/xml
> Content-Length: 257
< HTTP/1.1 201 Created
< Server: Apache-Coyote/1.1
< Location: http://localhost:8080/registry/registry/associations/linkREG.T1toREG.T2aSomehow
< Content-Type: text/plain
< Transfer-Encoding: chunked
< Date: Sat, 30 Apr 2011 07:36:44 GMT
* Connection #0 to host pdsops2.jpl.nasa.gov left intact
* Closing connection #0
linkREG.T1toREG.T2aSomehow
Step 3:</td></tr>
</table>

Comments	
Date of Testing	
Test Personnel	

Test Case ID	REG.T3
Description	Maintain policies for classes of artifacts, i.e. all classes of artifacts capture a base set of metadata, in the form of XML attributes: objectType, guid as well as metadata specific to each artifact class.
Test Steps	In a browser, http://localhost:8080/registry/extrinsics http://localhost:8080/registry/associations http://localhost:8080/registry/services http://localhost:8080/registry/schemes http://localhost:8080/registry/events http://localhost:8080/registry/packages
Test Results	Specific results will differ, but every item in every class has XML attributes objectType, guid. Each class may have others attributes such as lid, name, home. There are no services yet.

− <ns2:response numFound="78" start="1">
  − <ns2:results>
    − <ns2:association associationType="urn:registry:AssociationType:HasMember"
     targetObject="urn:nasa:pds:profile:regrep:AssociationType:Local_DD.attribute_of"
     sourceObject="urn:uuid:dfde3c18-50ac-475d-8e67-da01287445c8" status="Submitted" objectType="Association"
     home="http://localhost:8080/registry" guid="urn:uuid:04ebe8ab-f0f0-4ee1-b728-7a2365cd469f">
     − <ns2:slot name="targetObjectType" id="109">
       <ns2:value>ClassificationNode</ns2:value>
     </ns2:slot>
    </ns2:association>
    − <ns2:association associationType="urn:registry:AssociationType:HasMember"
     targetObject="urn:nasa:pds:profile:regrep:ObjectType:Product_Mission_PDS3"
     sourceObject="urn:uuid:db784204-cc2b-4ccb-b17b-bccb69d739dd" status="Submitted"
     objectType="Association" home="http://localhost:8080/registry" guid="urn:uuid:0f217f0e-60d4-4ff9-9ccb-
     a98380310442">
     − <ns2:slot name="targetObjectType" id="71">
       <ns2:value>ClassificationNode</ns2:value>
     </ns2:slot>
    </ns2:association>
    − <ns2:association associationType="urn:registry:AssociationType:HasMember"
     targetObject="urn:registry:ObjectType:RegistryObject:ClassificationNode"
     sourceObject="urn:uuid:7eb0ade0-3d2d-49fd-9cc0-483373770847" status="Submitted" objectType="Association"
     home="http://localhost:8080/registry" guid="urn:uuid:1062656a-e80e-4420-b598-b5c30d5fba89">
     − <ns2:slot name="targetObjectType" id="12">
       <ns2:value>ClassificationNode</ns2:value>
     </ns2:slot>
    </ns2:association>
    − <ns2:association associationType="urn:registry:AssociationType:HasMember"
     targetObject="urn:nasa:pds:profile:regrep:ObjectType:Product" sourceObject="urn:uuid:db784204-cc2b-4ccb-
     b17b-bccb69d739dd" status="Submitted" objectType="Association" home="http://localhost:8080/registry"
     guid="urn:uuid:148cebca-9a7f-4f41-a5b7-7fd9731139b8">
     − <ns2:slot name="targetObjectType" id="33">

− <ns2:response numFound="2" start="1">
  − <ns2:results>
    <ns2:classificationScheme nodeType="UniqueCode" isInternal="true" versionName="1.0" description="This
    is the canonical association type classification that is one of the core registry objects" status="Submitted"
    objectType="ClassificationScheme" name="AssociationType"
    lid="urn:registry:classificationScheme:AssociationType" home="http://localhost:8080/registry"
    guid="urn:registry:classificationScheme:AssociationType"/>
    <ns2:classificationScheme nodeType="UniqueCode" isInternal="true" versionName="1.0" description="This
    is the canonical object type classification that is one of the core registry objects" status="Submitted"
    objectType="ClassificationScheme" name="ObjectType" lid="urn:registry:classificationScheme:ObjectType"
    home="http://localhost:8080/registry" guid="urn:registry:classificationScheme:ObjectType"/>
  </ns2:results>
 </ns2:response>

Comments	
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	REG.T4 *obsolete – registry no longer accepts artifacts with no global unique ID.
Description	Assign a global unique identifier to a registered artifact with no global unique identifier, query for the registered artifact, delete the registered artifact.
Test Steps	1. curl -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T4.xml

	http://localhost:8080/registry/extrinsics/logicals 2. In a browser, http://localhost:8080/registry-ui 3. Under "Name", enter "hopefully, something unique enough to search on" from test.REG.T4.xml. Click "Update" 4. Click anywhere on the row to see Product Details including GUID 5. curl -X DELETE –v http://localhost:8080/registry/extrinsics/*guidFromLastStep* 6. Click the "Update" button again.
Test Results	Step 1: Note the value (an assigned LID) of "Location:" in the positive message: * About to connect() to localhost port 8080 (#0) * Trying 127.0.0.1... connected * Connected to localhost (127.0.0.1) port 8080 (#0) > POST /registry/extrinsics/logicals HTTP/1.1 > User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3 > Host: localhost:8080 > Accept: */* > Content-type:application/xml > Content-Length: 663 < HTTP/1.1 200 OK < Server: Apache-Coyote/1.1 < Content-Type: application/xml < Content-Length: 0 < Date: Sun, 12 Feb 2012 11:07:23 GMT * Connection #0 to host localhost left intact * Closing connection #0 Step 3: the LID should match the value of "Location:" in step 1 Step 4: Step 5: * About to connect() to localhost port 8080 (#0) * Trying 127.0.0.1... connected
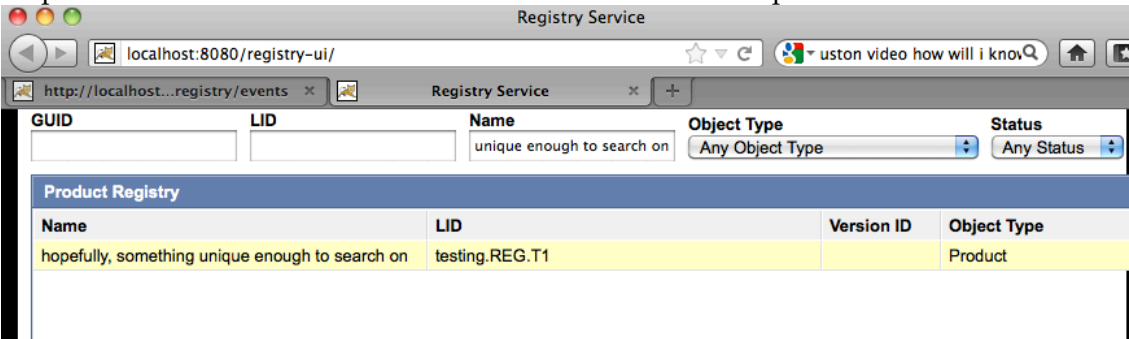
	* Connected to localhost (127.0.0.1) port 8080 (#0)
	               > DELETE /registry/extrinsics/testing.REG.T1.v1.0 HTTP/1.1
	               > User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
	               > Host: localhost:8080
	               > Accept: */*
	               < HTTP/1.1 200 OK
	               < Server: Apache-Coyote/1.1
	               < Content-Type: application/xml
	               < Content-Length: 0
	               < Date: Sun, 12 Feb 2012 11:21:27 GMT
	               * Connection #0 to host localhost left intact
	               * Closing connection #0
	Step 6: The row should be gone

Comments	
Date of Testing	2012 Jul 15
Test Personnel	Richard Chen

Test Case ID	REG.T5 *obsolete – registry no longer accepts artifacts with no global unique ID.
Description	Assign a version to a registered artifact based on its unique identifier
Test Steps	1. http://localhost:8080/registry/extrinsics/logicals/testing.REG.T2b shows no current product targetLid=testing.REG.T2b 2. curl *curlOptions* -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T5a.xml http://localhost:8080/registry/extrinsics/logicals 3. Repeat step 1. Note that userVersion is 1.0 4. curl *curlOptions* -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T5b.xml http://localhost:8080/registry/extrinsics/logicals 5. Repeat step 1. Note that userVersion is 2.0 6. http://localhost:8080/registry/extrinsics/logicals/testing.REG.T2b/all shows both versions
Test Results	Step 1: The error message should be "HTTP Status 500 –" Step 2: Benign output messages without "ERROR" Step 3: Upon success, the registry service returns good xml with userVersion = 1.0 Step 5: Upon success, the registry service returns good xml with userVersion = 2.0 Step 6: Upon success, the registry service returns good xml showing both posts.
Comments	
Date of Testing	
Test Personnel	

Test Case ID	REG.T6
Description	Allow replacement, approval, deprecation, undeprecation, and verification of registered artifacts.
Test Steps	1. In a browser, http://localhost:8080/registry/extrinsics/logicals/testing.REG.T2a shows no current product has lid "testing.REG.T2a". 2. curl -X POST -H "Content-type:application/xml" -v -d @testRegistry/test.REG.T6a.xml http://localhost:8080/registry/extrinsics 3. Repeat step 1 to see the lid

	4. In a browser, http://localhost:8080/registry-ui/ Under "LID", enter "testing.REG.T2a". Click "Refresh". If that URL is not found, repeat step 1 and note the XML attribute "status". 5. curl -X POST -H "Content-type:application/xml" -v http://localhost:8080/registry/extrinsics/testing.REG.T2a.v1.0/approve 6. Repeat step 4 to see the Status 7. curl -X POST -H "Content-type:application/xml" -v http://localhost:8080/registry/extrinsics/testing.REG.T2a.v1.0/deprecate 8. Repeat step 4 to see the Status 9. curl -X POST -H "Content-type:application/xml" -v http://localhost:8080/registry/extrinsics/testing.REG.T2a.v1.0/undeprecate 10. Repeat step 4 to see the Status
Test Results	Step 1: The error message should be "No object found for lid: testing.REG.T2a", very much like REG.T1's step 2's output. If not, curl -X DELETE -v http://localhost:8080/registry/extrinsics/testing.REG.T2a.v1.0 Step 2: Benign output messages without "ERROR", like REG.T1's step 5 Step 3: Step 4: Step 5: * About to connect() to localhost port 8080 (#0) * Trying 127.0.0.1... connected * Connected to localhost (127.0.0.1) port 8080 (#0) > POST /registry/extrinsics/testing.REG.T2a.v1.0/approve HTTP/1.1 > User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3 > Host: localhost:8080 > Accept: */*

	> Content-type:application/xml
	< HTTP/1.1 200 OK
	< Server: Apache-Coyote/1.1
	< Content-Type: application/xml
	< Content-Length: 0
	< Date: Fri, 26 Oct 2012 10:39:49 GMT
	* Connection #0 to host localhost left intact
	* Closing connection #0
	Step 6: same as Step 4 but "Submitted" becomes "Approved"
	Step 7:
	     * About to connect() to localhost port 8080 (#0)
	     * Trying 127.0.0.1... connected
	     * Connected to localhost (127.0.0.1) port 8080 (#0)
	     > POST /registry/extrinsics/testing.REG.T2a.v1.0/deprecate HTTP/1.1
	     > User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
	     > Host: localhost:8080
	     > Accept: */*
	     > Content-type:application/xml
	     < HTTP/1.1 200 OK
	     < Server: Apache-Coyote/1.1
	     < Content-Type: application/xml
	     < Content-Length: 0
	     < Date: Fri, 26 Oct 2012 10:41:36 GMT
	     * Connection #0 to host localhost left intact
	     * Closing connection #0
	Step 8: same as Step 4 but "Submitted" becomes "Deprecated"
	Step 9:
	     * About to connect() to localhost port 8080 (#0)
	     * Trying 127.0.0.1... connected
	     * Connected to localhost (127.0.0.1) port 8080 (#0)
	     > POST /registry/extrinsics/testing.REG.T2a.v1.0/undeprecate HTTP/1.1
	     > User-Agent: curl/7.19.7 (universal-apple-darwin10.0) libcurl/7.19.7 OpenSSL/0.9.8r zlib/1.2.3
	     > Host: localhost:8080
	     > Accept: */*
	     > Content-type:application/xml
	     < HTTP/1.1 200 OK
	     < Server: Apache-Coyote/1.1
	     < Content-Type: application/xml
	     < Content-Length: 0
	     < Date: Mon, 16 Jul 2012 00:13:00 GMT
	     * Connection #0 to host localhost left intact
	     * Closing connection #0
	Step 10: same as Step 4

Comments	Fixed (initial status "Unknown"): http://oodt.jpl.nasa.gov/jira/browse/PDS-47
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	REG.T7 *not ready for build 2b
Description	Enable replication of registry contents
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	REG.T8 *not ready for build 2b

Description	Verify registry contents
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	REG.T9* skipped for build 3a
Description	Test scalability of registry.
Test Steps	This requires python to be installed on the local machine and possible editing of stressTest.py to change the location of the python executable. Step 3 is configurable. 500000 registrations (as shown) may take 3 days. 1. cd *testDir*/bin 2. ./stressTest.py 3. ./stressTest.py –v –n500000 > ../out.txt 4. grep Time ../out.txt
Test Results	Step 2: stressTesting.T000000.v1.0 deleted stressTesting.T000001.v1.0 deleted stressTesting.T000002.v1.0 deleted Delete　3 done. Time(sec): avg=0.263 median=0.081 stdDev=0.26655 sum=0.8 Regstr　3 done. Time(sec): avg=0.016 median=0.017 stdDev=0.00219 sum=0.0 <?xml version="1.0" encoding="UTF-8" standalone="yes"?><ns2:response xmlns:ns2="http://registry.pds.nasa.gov"><ns2:results><ns2:extrinsicObject description="Stolen from http://pdscm/2010/registry/registry-service/operate/index.html with attribute lid above changed for uniqueness" objectType="Product" name="Stress The Registry " lid="stressTesting.T000000" guid="stressTesting.T000000.v1.0"><ns2:slot name="last-name" id="214451"><ns2:value>Doe</ns2:value></ns2:slot><ns2:slot name="cannotPossibleBeAnExistingSlot" id="214452"><ns2:value>cannot possibly be an existing value</ns2:value></ns2:slot><ns2:slot name="first-name" id="214453"><ns2:value>John</ns2:value></ns2:slot><ns2:slot name="phone" id="214454"><ns2:value>(818)777-7777</ns2:value><ns2:value>(818)888- 8888</ns2:value></ns2:slot></ns2:extrinsicObject></ns2:results></ns2:response> <?xml version="1.0" encoding="UTF-8" standalone="yes"?><ns2:response xmlns:ns2="http://registry.pds.nasa.gov"><ns2:results><ns2:extrinsicObject description="Stolen from http://pdscm/2010/registry/registry-service/operate/index.html with attribute lid above changed for uniqueness" objectType="Product" name="Stress The Registry " lid="stressTesting.T000001" guid="stressTesting.T000001.v1.0"><ns2:slot name="last-name" id="214455"><ns2:value>Doe</ns2:value></ns2:slot><ns2:slot name="cannotPossibleBeAnExistingSlot" id="214456"><ns2:value>cannot possibly be an existing value</ns2:value></ns2:slot><ns2:slot name="first-name" id="214457"><ns2:value>John</ns2:value></ns2:slot><ns2:slot name="phone" id="214458"><ns2:value>(818)777-7777</ns2:value><ns2:value>(818)888- 8888</ns2:value></ns2:slot></ns2:extrinsicObject></ns2:results></ns2:response> <?xml version="1.0" encoding="UTF-8" standalone="yes"?><ns2:response xmlns:ns2="http://registry.pds.nasa.gov"><ns2:results><ns2:extrinsicObject description="Stolen from http://pdscm/2010/registry/registry-service/operate/index.html with attribute lid above changed for uniqueness" objectType="Product" name="Stress The Registry " lid="stressTesting.T000002" guid="stressTesting.T000002.v1.0"><ns2:slot name="last-name" id="214459"><ns2:value>Doe</ns2:value></ns2:slot><ns2:slot name="cannotPossibleBeAnExistingSlot" id="214460"><ns2:value>cannot possibly be an existing value</ns2:value></ns2:slot><ns2:slot name="first-name" id="214461"><ns2:value>John</ns2:value></ns2:slot><ns2:slot name="phone" id="214462"><ns2:value>(818)777-7777</ns2:value><ns2:value>(818)888- 8888</ns2:value></ns2:slot></ns2:extrinsicObject></ns2:results></ns2:response> View　3 done. Time(sec): avg=0.009 median=0.009 stdDev=0.00035 sum=0.0 Step 4: Delete 10000 done. Time(sec): avg=0.007 median=0.006 stdDev=0.00962 sum=71.2 Regstr 10000 done. Time(sec): avg=0.007 median=0.006 stdDev=0.01312 sum=70.3 View　 10000 done. Time(sec): avg=0.011 median=0.010 stdDev=0.00361 sum=108.8

Comments	The build 2c numbers are over 10x faster than before.
Date of Testing	2012 Jul 15
Test Personnel	Richard Chen

Test Case ID	RPT.T1. RPT.T2, RPT.T3, RPT.T4, RPT.T5
Description	Various requirements regarding reporting
Test Steps	Commercial applications, in particular Sawmill, provide the functionality required. Verification of installation suffices.
Test Results	
Comments	
Date of Testing	2012 Feb 27
Test Personnel	Richard Chen

Test Case ID	SCH.T1
Description	Degrade gracefully on archaic browsers
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	Richard Chen

Test Case ID	SCH.T2 *not ready for build 2b
Description	Comply with Section 508 and adhere to WCAG level A
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	SCH.T3
Description	Provide HTTP-based API to enter queries and return results
Test Steps	Compare the results of the normal web page with the API. We could use curl and maybe ask for results in xml and capture the results as text, but the parsing – ugh. I'll trust that works and just test via browsers. 1. http://potato.jpl.nasa.gov/search-service/pds/search?term=cassini%20cda

	2. In the upper right of http://potato.jpl.nasa.gov/search-ui, type "cassini cda" (without quotes) and hit the "Go" button
Test Results	Step 1: Step 2:

Comments	
Date of Testing	2012 Oct 26
Test Personnel	Richard Chen

Test Case ID	SCH.T4

Description	Retrieve metadata to generate search indexes
Test Steps	1. search-core –d –H /usr/local/search-service/pds –r http://potato.jpl.nasa.gov/registry 2. solr-post /usr/local/search-service/pds http://potato.jpl.nasa.gov/search-service/pds The real deteriminant of this test's correctness is whether the search in the next test returns newly ingested data.

Test Results	**Step 1:**
	
	Oct 27, 2012 12:19:35 AM gov.nasa.pds.search.core.extractor.RegistryExtractor createOutputs
	INFO: Create registry dir: /PDS4tools/search-service-1.0.0/pds/registry-data
	Oct 27, 2012 12:19:35 AM gov.nasa.pds.search.core.SearchCoreLauncher runRegistryExtractor
	INFO:
	       Registry URL: http://localhost:8080/registry
	       Search Home: /PDS4tools/search-service-1.0.0/pds
	       Config Home: /PDS4tools/search-core-1.0.0/conf/pds
	Oct 27, 2012 12:19:35 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: ------- Beginning Registry Data Extraction --------
	Oct 27, 2012 12:19:35 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Registry URL: http://localhost:8080/registry
	Oct 27, 2012 12:19:35 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: --
	Oct 27, 2012 12:19:35 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Querying Target objects
	Oct 27, 2012 12:19:37 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Completed data extraction for Target
	Oct 27, 2012 12:19:37 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Querying Mission objects
	Oct 27, 2012 12:19:38 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Completed data extraction for Mission
	Oct 27, 2012 12:19:38 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Querying DataSet objects
	Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.extractor.ProductClass displayWarnings
	WARNING: Missing the following Association Targets:
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - target_ref - urn:nasa:pds:target.4_VESTA::1.0
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - target_ref
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - instrument_ref - urn:nasa:pds:instrument.GRAND__DAWN::1.0
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - instrument_ref
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - node_ref - urn:nasa:pds:node.SBN::1.0
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - node_ref
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - target_ref - urn:nasa:pds:target.4_VESTA::1.0
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - target_ref
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - instrument_ref - urn:nasa:pds:instrument.GRAND__DAWN::1.0
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - instrument_ref - urn:nasa:pds:instrument.GRAND__DAWN::1.0
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - instrument_ref
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - resource_ref - urn:nasa:pds:resource.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0__BROWSERP_DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0::1.0
	urn:nasa:pds:data_set.DAWN-A-GRAND-2-EDR-VESTA-COUNTS-V1.0 - resource_ref
	
	Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Completed data extraction for DataSet
	Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Querying InstrumentHost objects
	Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Completed data extraction for InstrumentHost
	Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Querying Instrument objects
	Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.extractor.RegistryExtractor run
	INFO: Completed data extraction for Instrument
	Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.extractor.RegistryExtractor close

INFO: Finished data extraction
Oct 27, 2012 12:19:39 AM gov.nasa.pds.search.core.SearchCoreLauncher runSolrIndexer
INFO:
Running Solr Indexer to create new SOLR_INDEX.XML ...

Index Docs: /PDS4tools/search-service-1.0.0/pds/registry-data
79 total milliseconds

Step 2:

Posting data index to SOLR...

Running XSLT transformation...
/usr/local/search-service/pds
java -Xmx256m -jar /usr/local/search-service/pds/../lib/saxon-9.jar "-s:../facets/search-tools.xml" "-xsl:../facets/add-hierarchy.xslt" "-o:/usr/local/search-service/pds/index/search-tools.hierarchy.xml" ""
<?xml version="1.0" encoding="UTF-8"?>
<response>
<lst name="responseHeader"><int name="status">0</int><int name="QTime">107</int></lst>
</response>
Removing '/usr/local/search-service/pds/data_old'
Backing up '/usr/local/search-service/pds/data' to '/usr/local/search-service/pds/data_old
<?xml version="1.0" encoding="UTF-8"?>
<response>
<lst name="responseHeader"><int name="status">0</int><int name="QTime">115</int></lst>
</response>
/usr/local/search-service/pds/index/solr_index.xml.0
/usr/local/search-service/pds/index/solr_index.xml.1
/usr/local/search-service/pds/index/solr_index.xml.2
/usr/local/search-service/pds/index/solr_index.xml.3

Running XSLT transformation...
/usr/local/search-service/pds
java -Xmx256m -jar /usr/local/search-service/pds/../lib/saxon-9.jar "-s:/usr/local/search-service/pds/index/solr_index.xml.0" "-xsl:../facets/add-hierarchy.xslt" "-o:/usr/local/search-service/pds/index/solr-index.hierarchy.xml.0" ""
<?xml version="1.0" encoding="UTF-8"?>
<response>
<lst name="responseHeader"><int name="status">0</int><int name="QTime">698</int></lst>
</response>

Running XSLT transformation...
/usr/local/search-service/pds
java -Xmx256m -jar /usr/local/search-service/pds/../lib/saxon-9.jar "-s:/usr/local/search-service/pds/index/solr_index.xml.1" "-xsl:../facets/add-hierarchy.xslt" "-o:/usr/local/search-service/pds/index/solr-index.hierarchy.xml.1" ""
<?xml version="1.0" encoding="UTF-8"?>
<response>
<lst name="responseHeader"><int name="status">0</int><int name="QTime">375</int></lst>
</response>

Running XSLT transformation...
/usr/local/search-service/pds
java -Xmx256m -jar /usr/local/search-service/pds/../lib/saxon-9.jar "-s:/usr/local/search-service/pds/index/solr_index.xml.2" "-xsl:../facets/add-hierarchy.xslt" "-o:/usr/local/search-service/pds/index/solr-index.hierarchy.xml.2" ""
<?xml version="1.0" encoding="UTF-8"?>
<response>
<lst name="responseHeader"><int name="status">0</int><int name="QTime">3552</int></lst>
</response>

Running XSLT transformation...
/usr/local/search-service/pds
java -Xmx256m -jar /usr/local/search-service/pds/../lib/saxon-9.jar "-s:/usr/local/search-service/pds/index/solr_index.xml.3" "-xsl:../facets/add-hierarchy.xslt" "-o:/usr/local/search-service/pds/index/solr-index.hierarchy.xml.3" ""
<?xml version="1.0" encoding="UTF-8"?>
<response>
<lst name="responseHeader"><int name="status">0</int><int name="QTime">1718</int></lst>
</response>
<?xml version="1.0" encoding="UTF-8"?>
<response>

	`<lst name="responseHeader"><int name="status">0</int><int name="QTime">728</int></lst>` `</response>`

Comments	My Macbook froze during search-core after test BNDL.T4. The last few lines of \$ CATALINA_HOME/logs/catalina.out indicate insufficient memory:
	
	Oct 26, 2012 9:35:23 AM com.sun.jersey.spi.container.ContainerResponse mapMappableContainerException
	SEVERE: The exception contained within MappableContainerException could not be mapped to a response, re-throwing to the HTTP container
	java.lang.OutOfMemoryError: Java heap space
	`<html><head><title>`Apache Tomcat/7.0.30 - Error report`</title><style><!--`H1 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:22px;} H2 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:16px;} H3 {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;font-size:14px;} BODY {font-family:Tahoma,Arial,sans-serif;color:black;background-color:white;} B {font-family:Tahoma,Arial,sans-serif;color:white;background-color:#525D76;} P {font-family:Tahoma,Arial,sans-serif;background:white;color:black;font-size:12px;}A {color : black;}A.name {color : black;}HR {color : #525D76;}-->`</style> </head><body><h1>`HTTP Status 500 - java.lang.OutOfMemoryError: Java heap space`</h1><HR size="1" noshade="noshade"><p><b>type</b>` Exception report`</p><p><b>message</b> <u>`java.lang.OutOfMemoryError: Java heap space`</u></p><p><b>description</b> <u>`The server encountered an internal error that prevented it from fulfilling this request.`</u></p><p><b>exception</b> <pre>`javax.servlet.ServletException: java.lang.OutOfMemoryError: Java heap space
	      com.sun.jersey.spi.container.servlet.WebComponent.service(WebComponent.java:424)
	      com.sun.jersey.spi.container.servlet.ServletContainer.service(ServletContainer.java:497)
	      com.sun.jersey.spi.container.servlet.ServletContainer.doFilter(ServletContainer.java:855)
	      com.sun.jersey.spi.container.servlet.ServletContainer.doFilter(ServletContainer.java:828)
	      com.sun.jersey.spi.container.servlet.ServletContainer.doFilter(ServletContainer.java:789)
	      org.springframework.orm.jpa.support.OpenEntityManagerInViewFilter.doFilterInternal(OpenEntityManagerInViewFilter.java:113)
	      org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:76)
	`</pre></p><p><b>root cause</b> <pre>`java.lang.OutOfMemoryError: Java heap space
	`</pre></p><p><b>note</b> <u>`The full stack trace of the root cause is available in the Apache Tomcat/7.0.30 logs.`</u></p><HR size="1" noshade="noshade"><h3>`Apache Tomcat/7.0.30`</h3></body></html>`
	Exception in thread "http-bio-8080-exec-1" java.lang.OutOfMemoryError: Java heap space
	Exception in thread "http-bio-8080-exec-11" java.lang.OutOfMemoryError: Java heap space

Date of Testing	2012 Oct 27
Test Personnel	Richard Chen

Test Case ID	SCH.T5
Description	Search based on a sequence of open text keywords. Do so in a browser.
Test Steps	Test BNDL.T4 populates the PDS4 database with PDS3 information. Compare the PDS4 (http://potato.jpl.nasa.gov/search-ui) and the PDS3 (http://pds.nasa.gov/tools/data-search) results for the following searches: 1. mro spice 2. cassini cda 3. voyager plasma wave. In Refine Your Search, click "Comet SL9/Jupiter Collision" 4. mars digital elevation maps 5. neptune 6. jupiter images 7. corona 8. NEAR-A-SPICE-6-EROS/ORBIT-V1.0 (a specific data set ID)
Test Results	All searches complete successfully. "Good" and "Bad" refer to PDS4 relative to PDS3: 1. Good: PDS4 returns 1 extra result, the Instrument "SPICE KERNELS for MRO". However, ideally that result comes after the MRO SPICE dataset, but a general rule for ranking would be difficult.

	2. Bad: PDS4 has 10 extra results, all obsoleted datasets. 3. Probably good: no "Search Tool: Comet Data Searcher". 4. Apparently, "digital elevation map" is not a commonly used term. Both have mostly irrelevant results Bad: PDS3 has the 2 best results, datasets "VO1/VO2 MARS VISUAL IMAGING SUBSYSTEM DIGITAL TERRAIN MODEL" and "MRO-M-HIRISE-5-DTM-V1.0". PDS4 does not have those at all. 5. Good: 11 extra targets, 11 extra instruments. Avoided bad instrument LONG RANGE RECONNAISSANCE IMAGER on New Horizons. Maybe bad: Returned mission New Horizons. Bad: No search tools returned. The set up may be incorrect, as the PDS4 search in build 2C had 2 extra search tools. 6. PDS4 returns 89 results; PDS3, 132 Probably good: avoiding dataset "EAR-J-KECK-3-EDR-SL9-V1.0", which seems preliminary, avoiding mission EPOXI, adding mission "NEW HORIZONS" Bad: no search tools 7. Good: 3 missions SUISEI, VEX, ULY. Maybe good: Radio Science instruments. 8. PDS3 returns 1 result. PDS4 returns 6918. PDS3's result is probably better.
Comments	This happens with PDS3 as well. After searching and then refining a search (clicking on something in the left column), if the user types a new search term in the middle of the page, the new search is actually a refinement, not a new search. I'd prefer either a new search or something on the web page indicating that the typed-in text will refine the current results. (This happened in going from step 3 to step 4 above) https://oodt.jpl.nasa.gov/jira/browse/PDS-86 Superseded datasets appear, and search tools don't https://oodt.jpl.nasa.gov/jira/browse/PDS-125 Search is handling slashes in the datasetID incorrecctly for Step 4. The first item returned by search is "Data Set: unk", and the link from "unk" is an error. The dataset that should be returned is MR9/VO1/VO2-M-RSS-5-GRAVITY-V1.0 https://oodt.jpl.nasa.gov/jira/browse/PDS-134
Date of Testing	2012 Oct 26, 2012 Nov 19
Test Personnel	Richard Chen

Test Case ID	SCH.T6, SCH.T7
Description	Search based on constraints on specific indexes, and narrow results based on more constraints. Support ordering of results based on specified criteria. Results returned as clickable URIs with metadata describing each URI.
Test Steps	Compare the PDS4 (http://pdsbeta.jpl.nasa.gov/tools/data-search) and the PDS3 (http://pds.nasa.gov) results for the searches below. Clicking on the facets in the left column makes the comparison easier 1. mission: mars global surveyor 2. target:mercury
Test Results	All searches complete successfully. "Good" and "Bad" refer to PDS4 relative to PDS3: 1. Good: much fewer non-MGS missions Bad: no search tools 2. Very similar results except no search tools

Comments	
Date of Testing	2012 Oct 27
Test Personnel	

Test Case ID	SCH.T8 *not ready for build 2b
Description	Support configuration on indexes that differ by data type, data conversion, index generation methodology, and metadata maintenance for result annotation
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	SCH.T9
Description	Capture metrics on search index usage and contents
Test Steps	
Test Results	
Comments	
Date of Testing	
Test Personnel	

Test Case ID	SEC.T1, SEC.T2, SEC.T3, SEC.T4
Description	Various requirements regarding security
Test Steps	(From http://pds-engineering.jpl.nasa.gov/pds2010/development/1.2.0/security/) The Security Service provides the authentication and authorization functions for the PDS 2010 system. The intent of this service is to control access to interfaces and services that require authentication and authorization (e.g., Monitor, Report, Registry interfaces, etc.). The functionality for this service is satisfied by the open source software package OpenDS, which is a directory service supporting the Lightweight Directory Access Protocol (LDAP).
Test Results	
Comments	
Date of Testing	2012 Jul ????
Test Personnel	Richard Chen

4 Anomalies

The JIRA tracking system (http://www.atlassian.com/software/jira) is being used to capture discrepancies found during testing.

Testing of build 1b found 1 anomaly.

Testing of build 1c found 2 minor anomalies.

Testing of build 1d found 5 anomalies

Testing of build 2a found 0 anomalies

Testing of build 2b found 3 major, 3 minor anomalies, 3 improvements

Testing of build 2c found 1 major anomaly, 7 improvements

Testing of build 3a found 1 major, 6 minor or improvements

4.1 Issues Entered

http://oodt.jpl.nasa.gov/jira/browse/PDS-1. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-34. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-35. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-45. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-46. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-47. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-48. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-49. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-52. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-53

http://oodt.jpl.nasa.gov/jira/browse/PDS-54. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-55

http://oodt.jpl.nasa.gov/jira/browse/PDS-56. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-57. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-58. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-63. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-85

http://oodt.jpl.nasa.gov/jira/browse/PDS-86

http://oodt.jpl.nasa.gov/jira/browse/PDS-87. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-88. Resolved

http://oodt.jpl.nasa.gov/jira/browse/PDS-89. Resolved

https://oodt.jpl.nasa.gov/jira/browse/PDS-123

https://oodt.jpl.nasa.gov/jira/browse/PDS-125

https://oodt.jpl.nasa.gov/jira/browse/PDS-134

For the full JIRA list, http://oodt.jpl.nasa.gov/jira/browse/PDS

4.2 Major Issues

open: PDS-53

resolved: PDS-52, PDS-56

4.3 Open anomalies

See 4.1 above.

5 Test Data

http://pds-engineering.jpl.nasa.gov/index.cfm?pid=145&cid=185 has this document as well as test data PDS4test.build3a.zip.

Appendix A: Acronyms

CM – Configuration Management
DN – PDS Discipline or Data Node
GUI – Graphical User Interface
EN – PDS Engineering Node
I&T – Integration and Test
NASA – National Aeronautics and Space Administration
OS – Operating System
PDS – Planetary Data System
PDS3 – Version 3.8 of the PDS Data Standards
PDS4 – Version 4.0 of the PDS Data Standards
PDS 2010 – PDS 2010 Project
PDS MC – PDS Management Council
SDD – Software Design Document
SRD – Software Requirements Document