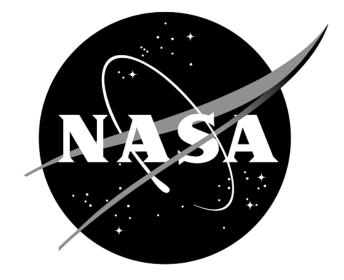
Plan Document NASA Planetary Data System PDS4 System Build 4b Node Test Document



Change Log

Revision	Date	Description	Author
Draft		Initial draft release.	
1	Sep 15, 2013	Initial release	Richard Chen, Emily Law
4a	Dec 05, 2013	Addressed PDS4ORR-RFA1 and incorporated its recommendations partly by folding the test plan into the test procedures document	Richard Chen, Emily Law
4b	Apr 08, 2014	Updated for Schema 1.2.0.1	Richard Chen

Contents

CHANGE LOG	II
1 INTRODUCTION	
1.1 Purpose	
1.1 Purpose 1.2 Scope	
1.3 Document Revision	
1.4 Test Approach	
1.5 Applicable Documents	
2 EXECUTIVE SUMMARY	
3 Test Procedures	
3.1 Setup	5
3.2 Testing of Bundle Processing	
4 ANOMALIES	
4.1 Major Issues	
4.2 Open anomalies	
5 REQUIREMENTS TRACEABILITY	
6 TEST DATA	
APPENDIX A: ACRONYMS	

1 Introduction

For over fifteen years, the Planetary Data System (PDS) has been NASA's official data system for archiving and distribution of data from planetary exploration missions. It has been a leader in defining data standards, working with missions and instrument teams, and developing data system technologies. The PDS has been instrumental in changing the scientific culture by working with the planetary science community to publicly release and peer review the data it captures. It has also been used as a model by other science data systems interested in establishing distributed scientific networks organized by independent discipline nodes at facilities that are doing leading-edge scientific research.

While PDS has been a leader in developing and exploiting new technologies and ideas, an increasing workload and substantial increases in the volume of delivered data are now threatening the system's ability to accomplish its primary missions of both archiving planetary science data and distributing it to working scientists. PDS identified these challenges in its Roadmap published in 2006. In addition to these challenges, the ten year Roadmap outlined several goals including improving the PDS data standards, increasing user services by leveraging newer technologies and technical standards, and re-architecting PDS to ensure efficient operations of the system while supporting the increasing demands on PDS by both the data providers and end users.

In response to these challenges and goals, PDS has developed a plan for the next generation. The vision, as defined by the PDS Management Council at its April 2008 meeting, includes:

- Simplified, but rigorous, archiving standards that are consistent, easy to learn, and easy to use
- Adaptable tools for designing archives, preparing data, and delivering the results efficiently to PDS
- On-line services allowing users to access and transform data quickly from anywhere in the system
- A highly reliable, scalable computing infrastructure that protects the integrity of data, links the nodes into an integrated data system, and provides the best service to both data providers and users

PDS previously maintained two separate documents:

- the Integration and Test Plan
- the Test Procedures and Report

Because the latter document grew to encompass most of the former, this document merges the two.

1.1 Purpose

This Test Document, together with the PDS4 System Build 4b Test Document (http://pdsengineering.jpl.nasa.gov/index.cfm?pid=145&cid=194), describes the plan for verification and validation of Build 4b of the PDS4 system and standards. This document 1) defines specific tests to be performed by the PDS Discipline Nodes that demonstrate the PDS4 Build 4b system deployed at the Nodes by EN, and 2) reports results of the tests to verify that the PDS4 system deployed for Build 4b is free of critical defects. The integration and test activities described herein consist of test cases that demonstrate compliance to requirements. The test scenarios verify and validate the system components and data products in an integrated manner. A test traceability matrix in Section 5 traces these scenarios to the new PDS4 system design requirements, which in turn can be traced to high-level PDS requirements..

1.2 Scope

For PDS4 Build 4b, the following software will be deployed at the Discipline Nodes:

- Ingest: Harvest 1.6.0
- Preparation: Core 1.5.0, Design (oXygen 14.1), Validate 1.5.0
- Registry 1.6.0

Detailed release description documents will facilitate and detail the deployment activities.

The scope of this build is to support data providers and Discipline Nodes in developing and distributing PDS4 data products both for new missions and data migration. Previous releases of PDS4 have been scoped to support the LADEE and MAVEN missions as early adopters as well as internal testing by PDS and the IPDA. Future, incremental releases will target data users as PDS4 data is available within the PDS.

This document focuses on PDS4 end-to-end processing, from registration of a Node's data bundle/product to its discovery and access via a Node search interface. Test resources will include DN staff to perform the test cases.

1.3 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.

1.4 Test Approach

The PDS4 build structure is organized such that the system can be tested and verified early on and to ensure that transition will be seamless. The builds will ensure there is a coordinated testing and deployment of functionality coupled with upgrades of the data standards.

Build 4b testing includes two sets of testing:

- 1.Generic Testing
- 2. Node-specific Testing

The EN Integration and Test team performed the first set of generic tests, posted at <u>http://pds-engineering.jpl.nasa.gov/index.cfm?pid=145&cid=194</u> as "System Test Documentation". Those tests cover all PDS4 tools and services.

The Nodes perform the second set of Node specific tests. The tests described here cover testing of specific tools and services required to support PDS4 data products validation, registration, and search by the Nodes.

1.5 Applicable Documents

1.5.1 Controlling Documents

- [1] Planetary Data System Strategic Roadmap 2006 2016, February 2006.
- [2] Planetary Data System Level 1, 2 and 3 Requirements, March 26, 2010.

1.5.2 Referenced Documents

- [3] PDS4 Project Plan, July 2013.
- [4] PDS4 Operations Concept, September 2013.
- [4] System Architecture Specification, September 2013.
- [5] General System Requirements, September 2013.
- [6] Software Requirements and Design, 2013
- [7] PDS4 Standards Documents, 2014

2 Executive Summary

The testing documented herein substantiates that all tested tools and services meet Build 4b requirements as specified in their Software Requirements and Design documents.

# of tests	# of tests	# of tests	<pre># of high priority anomalies</pre>
performed	passed	failed	
4	4	0	0

Section 3.2 has one sequence of four tests that represent the most likely operating scenario for PDS4 products: creation, validation, ingestion, search. This sequence tested the software successfully.

Section 4 lists all issues raised from the tests in this document. There were none.

Section 5 shows the traceability of the test cases to the level 5 requirements (and level 4 if no level 5 requirement applies). Note that many requirements will not be tested by the test cases specified in this test document. Those testing are covered by test cases specified in the Build 4b Test Document, which is performed by the EN Integration and Test team.

3 Test Procedures

The following section defines the tests and their results. These tests will be run as necessary to retest the system after software changes.

Section 3.2 below contains a sequence of tests that demonstrates how a bundle of products passes through the PDS4 software. The tests were performed using analogous MAVEN and LADEE data products

3.1 Setup

The tests in section 3.2 require the installation of the following PDS4 software:

- Harvest, http://pds-engineering.jpl.nasa.gov/pds2010/development/4.1.0/ingest/harvest
- Validate, <u>http://pds-engineering.jpl.nasa.gov/pds2010/development/4.1.0/preparation/validate</u>
- an **XML editor**, e.g. Oxygen. This can be skipped, though not recommended.
- an XML-friendly web **browser**, e.g. firefox

The tester might install and configure a registry if 1) no registry is available for testing, or 2) the tester wants more control over the registry, e.g. after a test step fails, the tester may wish to reset the registry. However, installation and configuration of that software and of the required Apache Tomcat server might be difficult. If so desired, install:

- Registry, http://pds-engineering.jpl.nasa.gov/pds2010/development/4.1.0/registry/registry-service
- Registry UI, <u>http://pds-engineering.jpl.nasa.gov/pds2010/development/4.1.0/registry/registry-ui</u>

Please follow the installation instructions carefully. For more help, the file NOTES.txt, included in PDS4test.build4b.zip (see SETUP below), details one tester's configuration experience, particularly regarding the registry.

	· 1
testDir	directory where input files are extracted
binDir	directory where the PDS4 software are installed
Harvest	If the registry is uncontrolled (a choice made during installation), do not replace. Else:
	harvest –u <i>username</i> –ppassword
	Also add "-k <i>keystorePassword</i> " depending on the registry configuration, especially if Harvest gives error "Keystore password must be specified"
http://localhost:8080	the URL of the registry
http://pdsbeta.jpl.nasa.gov	the URL of the search service working off the EN's registry

In the tests in the rest of this document, replace

Note that the tests are written for Unix, but running on other platforms requires simple changes.

The tests require this:	The tests	require	this:
-------------------------	-----------	---------	-------

Test Case ID	SETUP	
Description	This is not a test. This sets up test data.	
Test Steps	 From <u>http://pds-engineering.jpl.nasa.gov/index.cfm?pid=145&cid=194</u>, get the latest "Test Data (.zip)", then mkdir <i>testDir</i> 	
	• cd <i>testDir</i>	
	unzip PDS4test.build4b.zip	
	The ATMOS node provides this sample bundle, with context products:	
	 In browser: <u>http://atmos.nmsu.edu/pub/PDS4/Version_1.1.0.0</u> 	
	 Download "MET_bundle_1100.tar.gz" 	
	 tar xzf MET_bundle_1100.tar.gz 	
	 mv MET_bundle_1100 testDir/bundle_atm_met 	
	In case the ATMOS node deletes or negatively (with respect to the tests in this document), MET_bundle_1100.tar.gz is included in the .zip downloaded earlier.	
	The Data Provider's Handbook provides sample products that utilize the types needed for LADEE and MAVEN. The PDS4 Example Products, originally at <u>http://pds.nasa.gov/repository/pds4/examples/dph_examples_1200/dph_example</u> <u>_products.zip</u> , have been modified for PDS schema 1.2.0.1 and have been included in the .zip above in directory bundle_en_dph/.	

Many test sequences in this document assume a local registry, which may get corrupted during testing. The following step resets the registry:

0			
Test Case ID	RESETREGISTRY		
Description	This is not a test. This wipes the database clean.		
-	<i>dbDir</i> is the directory for the database, set during the initialization of Tomcat.		
Test Steps	\$CATALINA_HOME/bin/shutdown.sh		
-	rm \$CATALINA_HOME/logs/*		
	rm -f -r <i>dbDir</i> /registry		
	cd <i>binDir</i> /registry-service		
	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 <i>dbDir</i> /registry		
	rm derby.log		
	\$CATALINA_HOME/bin/startup.sh # usually a pause is needed here		
	cd <i>binDir</i> /registry-service/bin; ./registry-config		
Test Results	startup.sh:		
	Using CATALINA_BASE: /Library/apache-tomcat-7.0.30		
	Using CATALINA_HOME: /Library/apache-tomcat-7.0.30 Using CATALINA_TMPDIR: /Library/apache-tomcat-7.0.30/temp		
	Using JRE_HOME: /Library/Java/Home		
	Using CLASSPATH: :/PDS4tools/search-service/lib/saxon-9.jar:/Library/apache-tomcat-		

7.0.30/bin/bootstrap.jar:/Library/apache-tomcat-7.0.30/bin/tomcat-juli.jar
registry-config:
* About to connect() to localhost port 8080 (#0)
* Trying ::1
* connected
* Connected to localhost (::1) port 8080 (#0) > POST
/registry/configure?name=Core+Objects&description=This+configures+the+core+set+of+registry+object
s HTTP/1.1
> User-Agent: curl/7.24.0 (x86_64-apple-darwin12.0) libcurl/7.24.0 OpenSSL/0.9.8y zlib/1.2.5
> Host: localhost:8080
> Accept: */*
> Content-type:application/xml
> Content-Length: 6201
> Expect: 100-continue
* Done waiting for 100-continue
< HTTP/1.1 100 Continue
< HTTP/1.1 201 Created
< Server: Apache-Coyote/1.1 < Location: http://localhost:8080/registry/packages/urn:uuid:74f091f9-ce27-46a1-9b07-0c77bdb18e85
< Content-Type: text/plain
< Transfer-Encoding: chunked
< Date: Wed, 09 Apr 2014 06:56:21 GMT
* Connection #0 to host localhost left intact
urn:uuid:74f091f9-ce27-46a1-9b07-0c77bdb18e85* Closing connection #0
* About to connect() to localhost port 8080 (#0)
* Trying ::1
* connected
* Connected to localhost (::1) port 8080 (#0)
> POST / registry / configure?name=PDS+Objects&description=This+configures+PDS+object+types
HTTP/1.1 > User-Agent: curl/7.24.0 (x86_64-apple-darwin12.0) libcurl/7.24.0 OpenSSL/0.9.8y zlib/1.2.5
> Host: localhost:8080
> Accept: */*
> Content-type:application/xml
> Content-Length: 13793
> Expect: 100-continue
< HTTP/1.1 100 Continue
< HTTP/1.1 201 Created
< Server: Apache-Coyote/1.1
< Location: http://localhost:8080/registry/packages/urn:uuid:1a0bfe59-f785-4b01-8531-667a362ca7fb
< Content-Type: text/plain
< Transfer-Encoding: chunked < Date: Wed, 09 Apr 2014 06:56:21 GMT
* Connection #0 to host localhost left intact
urn:uuid:1a0bfe59-f785-4b01-8531-667a362ca7fb* Closing connection #0
* About to connect() to localhost port 8080 (#0)
* Trying ::1
* connected
* Connected to localhost (::1) port 8080 (#0)
> POST
/registry/configure?name=Core+Associations&description=This+configures+the+core+set+of+associatio
ns HTTP/1.1 N Hour A contravel /7.24.0 (w86.64 combs dogwin12.0) librard /7.24.0 OpenSEL /0.0 8w glib /1.2.5
 > User-Agent: curl/7.24.0 (x86_64-apple-darwin12.0) libcurl/7.24.0 OpenSSL/0.9.8y zlib/1.2.5 > Host: localhost:8080
> Flost: localitost:8080 > Accept: */*
> Content-type:application/xml
> Content-Length: 544
* upload completely sent off: 544 out of 544 bytes
< HTTP/1.1 201 Created
< Server: Apache-Coyote/1.1
< Location: http://localhost:8080/registry/packages/urn:uuid:badcf361-9e0d-41d2-a50c-61d4941ee5a9
< Content-Type: text/plain
< Transfer-Encoding: chunked
< Date: Wed, 09 Apr 2014 06:56:21 GMT
* Connection #0 to host localhost left intact
urn:uuid:badcf361-9e0d-41d2-a50c-61d4941ee5a9* Closing connection #0 * About to connect() to localhost port 8080 (#0)
* Trying ::1
* connected
* Connected to localhost (::1) port 8080 (#0)

	> POST
	/registry/configure?name=PDS+Associations&description=This+configures+PDS+association+types
	HTTP/1.1
	> User-Agent: curl/7.24.0 (x86_64-apple-darwin12.0) libcurl/7.24.0 OpenSSL/0.9.8y zlib/1.2.5
	> Host: localhost:8080
	> Accept: */*
	> Content-type:application/xml
	> Content-Length: 7876
	> Expect: 100-continue
	< HTTP/1.1 100 Continue
	< HTTP/1.1 201 Created
	< Server: Apache-Coyote/1.1
	< Location: http://localhost:8080/registry/packages/urn:uuid:5d699059-2573-467f-84aa-fe8602bc5c1d
	< Content-Type: text/plain
	< Transfer-Encoding: chunked
	< Date: Wed, 09 Apr 2014 06:56:21 GMT
	* Connection #0 to host localhost left intact
	urn:uuid:5d699059-2573-467f-84aa-fe8602bc5c1d* Closing connection #0
A	

3.2 Testing of Bundle Processing

The NODESTEST sequence tests the PDS4 software's handling of products representative of LADEE's and MAVEN's products from creation to registration to retrieval. The two sets of data used for this testing, downloaded in the SETUP test above, are:

- 1. a PHX product bundle (Table_character) created by the ATMOS node as representative for LADEE , referred to as the PHX bundle from here on.
- 2. a MAVEN and LADEE analogous product bundle (Table_character, Table_Binary, Array_1D and Array_2D etc), created by EN, referred to as the EN bundle from here on.

Test Case ID	NODESTEST.1
Description	Use a design tool to create PDS4 labels for products, and associated context (including bundle, collection, investigation archive webpage, investigations, resources) based on PDS's schema.
Requirements	PASS L5.PRP.DE.1: The tool shall initiate a design session as follows PASS L5.PRP.DE.2: The tool shall accept the following as input for specifying a schema file PASS L5.PRP.DE.3: The tool shall facilitate modification of a schema file as follows PASS L5.PRP.DE.4: The tool shall provide standard editing features as follows PASS L5.PRP.DE.5: The tool shall indicate when a schema is not valid. PASS L5.PRP.DE.6: The tool shall generate an XML instance file from a schema. PASS L5.PRP.DE.7: The tool shall export the schema for use outside the tool.
Success Criteria	Design tool produces a syntactically valid PDS Product Label else indicates where the label is invalid.
Test Steps	In general, consult Appendix D of the Data Providers' Handbook (DPH), Version 1.0.0
Test Results	Creation of one PDS4 label per product and delivery to EN test staff.
Comments	Results met test successful criteria
Date of Testing	2014.04.09
Test Personnel	Richard Chen

Test Case ID	NODESTEST.2
Description	Validate PDS4 product labels generated in NODESTEST.1 using the PDS4 Validate Tool.

PDS4 Build 4b Node Test Document

	-
Requirements	PASS L5.PRP.VA.1: The tool shall accept the following as input for specifying the product(s) to be validated PASS L5.PRP.VA.2: The tool shall traverse a directory tree and validate products
	PASS L5.PRP.VA.3: The tool shall validate aggregate products and all products referenced by such products.
	PASS L5.PRP.VA.5: The tool shall verify that a product label is well-formed XML.
	PASS L5.PRP.VA.6: The tool shall verify that a product label conforms to its associated schema file(s). PASS L5.PRP.VA.7: The tool shall accept the following as input for specifying the associated schema file(s)
	PASS L5.PRP.VA.9: The tool shall indicate the schema(s) utilized during validation.
Success Criteria	Validation tool validates a file or all eligible products in a directory tree, indicates the
	schemas utilized during the validation, and ensures that a product label is well formed
	XML and conforms to its schemas. Also validate for content as well as syntax.
Test Steps	In general:
	 validate <i>directoryOrFile</i> –e "*.xml"
	To test the PHX bundle (see step SETUP above)
	1. cd testDir
	2. curl
	http://pds.nasa.gov/pds4/schema/released/pds/v1/PDS4_PDS_1100.xsd >
	PDS4_PDS_1100.xsd
	3. curl
	http://pds.nasa.gov/pds4/schema/released/pds/v1/PDS4_PDS_1100.sch > PDS4_PDS_1100.sch
	4. validate bundle_atm_met -x PDS4_PDS_1100.xsd -S PDS4_PDS_1100.sch -x
	bundle_atm_met/xml_schema/PHXMD_1100.xsd -e "*.xml" > v.out
	5. grep -v PASS v.out uniq
	To test the EN bundle (see step SETUP above)
	6. validate -e "*.xml" -t bundle_en_dph -x PDS4_PDS_1201.xsd
	bundle_en_dph/xml_schema/dph_example_dict_1200.xsd
	bundle_en_dph/product_array_3d_image/PDS4_SP_1001.xsd -S
	PDS4_PDS_1201.sch
	bundle_en_dph/product_array_3d_image/PDS4_SP_1001.sch > v.out
	7. grep -v PASS v.out uniq
Test Results	Step 4: v.out has 1734 lines, mostly "PASS: file:" followed by a blank line.
	Step 5:
	PDS Validate Tool Report Configuration:
	Version 1.5.0
	Date 2014-04-09T06:52:52Z
	Parameters: Targets [file: <i>testDir</i> /bundle_atm_met/]
	User Specified Schemas [PDS4_PDS_1100.xsd, bundle_atm_met/xml_schema/PHXMD_1100.xsd]
	User Specified Schematrons [PDS4_PDS_1100.sch]
	Severity Level WARNING Recurse Directories true
	File Filters Used [*.xml]
	Validation Details:
	Summary: 856 of 856 file(s) processed, 0 skipped
	856 of 856 file(s) passed validation
	End of Report
	Step 7: PDS Validate Tool Report
	Configuration:
	Version 1.5.0 Date 2014-04-09T06:40:19Z
	Parameters: 2014-04-09106:40:192
	Targets [file: <i>testDir</i> /bundle_en_dph/]
	User Specified Schemas [PDS4_PDS_1201.xsd, bundle_en_dph/xml_schema/dph_example_dict_1200.xsd,
	bundle_en_dph/product_array_3d_image/PDS4_SP_1001.xsd]
	User Specified Schematrons [PDS4_PDS_1201.sch, hundle on dph (product array 3d image/PDS4_SP_1001.sch]
	bundle_en_dph/product_array_3d_image/PDS4_SP_1001.sch] Severity Level WARNING
	Recurse Directories true

	File Filters Used [*.xml] Validation Details: Summary: 184 of 184 file(s) processed, 0 skipped 184 of 184 file(s) passed validation End of Report
Comments	Results met test successful criteria.
Date of Testing	2014.04.08
Test Personnel	Richard Chen

NODESTEST.3		
Use Harvest Tool to register PDS4 product labels, bundles, and collections generated		
in NODESTEST.1. Context products will be registered by EN.		
PASS L5.HVT.1: The tool shall accept a configuration file specifying policy for tool behavior.		
PASS L5.HVT.2: The tool shall provide a command-line interface for execution. PASS L5.HVT.4: The tool shall recursively traverse the specified directory or directories		
PASS L5.HVT.5: The tool shall determine candidate products for registration through a combination of the following		
PASS L5.HVT.6: The tool shall capture metadata for a candidate product specified by the product type. PASS L5.HVT.7: The tool shall submit the associated metadata for a candidate product to the [Registry].		
PASS L5.HVT.8: The tool shall track each product registration.		
PASS L5.REG.1: The service shall accept artifact registrations.		
PASS L5.REG.2: The service shall provide a means for relating artifact registrations. PASS L5.REG.4: The service shall accept metadata for a registered artifact in a defined format.		
PASS L5.REG.6: The service shall assign a global unique identifier to a registered artifact.		
PASS L5.REG.8: The service shall store metadata for a registered artifact in an underlying metadata store.		
Harvest tool, based on criteria given in a user-edited configuration file, executed from the command line, discovers all matching artifacts and for each submits metadata to		
the Registry service. Tools to view the registry show the metadata of the matching		
artifacts, with appropriate metadata, including the guid, which is assigned by the		
Registry. Tools to view the registry show the associations.		
In general:		
 In browser, <u>http://localhost:8080/registry-ui/</u>to see no registrations 		
 harvest directoryOrFile -e "*.xml" -c testDir/harvest-policy-master.xml 		
 In browser, <u>http://localhost:8080/registry-ui/</u>. You may enter one product's 		
LID (wildcards accepted) to verify the registration and hit "Refresh"		
To test the PHX bundle:		
1. Clean database as described in RESETREGISTRY		
2. cd testDir		
3. In browser, <u>http://localhost:8080/registry-ui/</u> to see no registrations		
The MET bundle, downloaded in SETUP, lists LIDVIDs of context products that are		
not part of its bundle, which is reasonable. To avoid WARNINGSs from harvest		
4. harvest <i>testDir</i> /patch_bundle_atm -e "*.xml" -c harvest-policy-master.xml		
5. harvest <i>testDir</i> /bundle_atm_met -e "*.xml" -c harvest-policy-master.xml -l		
h.out		
6. grep -v "SUCCESS:\ INFO:" h.out		
7. In browser, <u>http://localhost:8080/registry-ui/</u>		
To test the EN products: 8. Clean database as described in RESETREGISTRY		
9. cd testDir		
10. In browser, <u>http://localhost:8080/registry-ui/</u> to see no registrations		
11. harvest <i>testDir</i> /bundle_en_dph -e "*.xml" -c harvest-policy-master.xml -l h.out		
12. grep -v "SUCCESS:\ INFO:" h.out		
13. In browser, http://localhost:8080/registry-ui/		

PDS4 Build 4b Node Test Document

Test Results	Step 3:					
	l) @ localhost:8080)/registry–ui/		☆ ▽ (C S ▼ Google	Q 🖡 🍙 🖪
	Registry Se	ervice +				
	Planetary Data		try Service			
	Products Asso	ociations Packages Ser	rvices Events Sc	hemes Classification No	odes	
	GUID	LID	Name	Object Type	Status	U
				Any Object Type	Any Status	R C St E
	Product Registry					
	Name		LID		Version Nam Object Type	Status
	There is no da	ta to display				
	Name		LID		Version Nam Object Type	Status
	Step 6: PI Va Ti Ta Fi Se Re Re 85 0 a 85 0 a 85 17 Pr 61 84 11 11 51 17 25	me Wed, A arget(s) [<i>testD</i> le Inclusions [*.xi everity Level INF	on 1.6.0 Apr 09 2014 at 10:09 <i>ir/</i> bundle_atm_me ml] GO ttp://localhost:8080 Harvest-Package ID urn:uuid:b9e17 d, 0 other file(s) ski ered. ducts registered. l: al	:44 AM t])/registry _20140409100944 a68-a650-443e-bf8b-4		

Note Open Type Same Product Figure Image: Any Open Type Any		calhost:8080/registry-ui/		☆ ⊽ C (8	▼ Goo	gle Q
Product Registry LD Vector Object Type L Ave Status L LD Name LD Vector Object Type LD Vector Object Type MIDEDIX MARE MET Equenters unreaseptight, metrodoceffind (5000/14690, 150/n114/0505) LD Product, Tile, Repeation? PHOEXX MARE MET Equenters unreaseptight, metrodoceffind (5000/14690, 150/n114/5151) D Product, Tile, Repeation? PHOEXX MARE MET Equenters unreaseptight, metrodoceffind (5000/05000, 150/n114/512) D Product, Tile, Repeation? PHOEXX MARE MET Equenters unreaseptight, metrodoceffind (5000/05000, 150/n114/512) D Product, Tile, Repeation? PHOEXX MARE MET Equenters unreaseptight, metrodoceffind (500, 05000/151, 150/n114/512) D Product, Tile, Repeation? PHOEXX MARE MET Equenters unreaseptight, metrodoceffind (500, 000000000, 1500, 114/510) D Product, Dise Repeation? PHOEXX MARE MET Equenters unreaseptight, metrodoceffind (500, 000000000, 114/100, 100, Product, Tile, Repeation? D Product, Dise Repeation? PHOEXX MARE MET Equenters unreaseptight, metrodoceffind (500, 00000000, 114/100, Product, Tile, Repeation? D Product, Dise Repeation? </th <th></th> <th>Registry Service +</th> <th>·</th> <th></th> <th></th> <th></th>		Registry Service +	·			
Name UD Version Charles of the control of the contr	GUID	LID	Name	Object Type	Stat	us
Name LD Version Versi				Any Object Type	‡ Ar	y Status 💲 Rí C
Name LD Version Versi	Dend	unt De allater				
 Md051RML.0000714680.15C0H1 Md051RML.0000714680.15C0H1 Md051RML.0000714680.15C0H1 Md051RML.0000714580.15C0H1 Md052RMLTE Experiment Md152RML000071580.15C0H1 Md052RML4580HTE Experiment Md050RML7580.15C0H1 Md050RML7580H1 Md050RML7580H1<td>-</td><td></td><td></td><td></td><td></td><td></td>	-					
PHOENX MARS MET Experiment unrease pdsptm, metroduced mol0 time, 00001626074, 10e1m1 10.0 Product, Disearcational Unrease pdsptm, metroduced mol 15mm, 0000641820, 1000m130011 Photo, 15mm, 2000641820, 1000m1300101 Photo, 15mm, 2000641820, 2010m130140 10 Product, File, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 22mm, 0000703600, 1400m130120 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 22mm, 000081979, 17mm1 10 Product, Observational Missi 22mm, 000081979, 17mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 22mm, 000081979, 17mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 22mm, 000081979, 17mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 20mm, 000081979, 17mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 000081979, 17mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 000091979, 17mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 000091979, 17mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 0000901999, 15mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 0000901999, 15mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 0000901999, 15mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 0000901999, 15mm1 10 Product, Pile, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm, 0000901999, 15mm 1000 PhoteX, File, Repository Unrease pdsptm, metroduced mol 300001999, 15mm 10000 PhoteX, File, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30000000999, 15mm 10000 PhoteX, File, Repository PhoteXX MARS MET Experiment unrease pdsptm, metroduced mol 30mm0, 0		Name	LID		Versio	Object Type
MS1158MA_0000418780_1058M1 MS1158MA_0000418780_1058M1 MS1158MA_0000418780_1058M1 MS1158MA_0000418780_1014M1 MS1158MA_0000181680_2014M1 MS1158MA_0000181680_2014M1 MS1158MA_0000181680_2014M1 MS1158MA_0000181680_2014M1 MS1158MA_0000181680_2014M1 MS1158MA_0000181680_1120M1 MS1158MA_0000181680_1120M1 MS1158MA_0000181680_1120M1 MS1158MA_0000181680_1120M1 MS1158MA_00000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_000000181680_1120M1 MS1158MA_00000181680_1120M1 MS1158MA_0000182880_1120M1 MS1158MA_000018288		MS051RML_00900744690_15CDM1	urn:nasa:pds:phx_met:reduc	zed:ms051rml_00900744690_15cdm1:MS051F	1.0	Product_File_Repository
PHOENX MARS MET Experiment unmass.pds.phg.met.met.educed.com 6450m.000061068_01441.00545 10 Product_Disensetion PHOENX MARS MET Experiment unmass.pds.phg.met.met.educed.com 6450m.000051068_01440.014145 10 Product_Disensetion PHOENX MARS MET Experiment unmass.pds.phg.met.educed.com 6350m.0000510500_1480m.145121 10 Product_Dise.Reporting PHOENX MARS MET Experiment unmass.pds.phg.met.educed.com 6350m.0000564500_1466n1 10 Product_Dise.Reporting PHOENX MARS MET Experiment unmass.pds.phg.met.met.educed.met.010m.0000545439_14161 10 Product_Dise.Reporting PHOENX MARS MET Experiment unmass.pds.phg.met.met.educed.met.010m.000054649_11001 10 Product_Dise.Reporting PHOENX MARS MET Experiment unmass.pds.phg.met.met.educed.met.000005409_2156m1 10 Product_Dise.Reporting PHOENX MARS MET Experiment unmass.pds.phg.met.met.educed.met.0000054060_216m1.0101 Product_Dise.Reporting M5128NA 0.000054680_1014M1 unmass.pds.phg.met.met.educed.met.0000054600_216m1 10 Product_Dise.Reporting M5138NA 0.000054680_1014M1 unmass.pds.phg.met.met.educed.met.000005466100_100005420 10 Product_Dise.Reporting M5138NA 0.000054680_1157M1 unmass.pds.phg.met.met.educed.met.000005466100_100005421 10 Product_Dise.Reportin		PHOENIX MARS MET Experiment	urn:nasa:pds:phx_met:reduc	ed:ms061rmc_00901626574_16e1m1	1.0	Product_Observational
■ M8148RMC_0000011086_201441 unrasszpidsphumetrawom805em6_000117981_1101m1 10 Product_File_Repository ■ M8128RML_0000011078_1120M1 unrasszpidsphumetrawom805em6_000117801_1101m1 10 Product_File_Repository ■ M8128RML_0000011078_1120M1 unrasszpidsphumetrawom805em6_00001780_0000100031_tidem1M8123 10 Product_File_Repository ■ PHOENX MARS MET Experiment unrasszpidsphumetrawom805em6_000000000000000000000000000000000000		MS115RMA_00906418780_1D56M1	urn:nasa:pds:phx_met:reduc	ed:ms115rma_00906418780_1d56m1:MS115	1.0	Product_File_Repository
 PHOENX MARS MET Experiment Untrass.pds.phr.met.reduced.ms 12/ms.000708303,146m1.MS121 Product, Dis.product, Tie, Repository MS138MA, 0008015793, 12/20M1 Untrass.pds.phr.met.reduced.ms137ms.0008015793,1728/1114 Product, Dis.product, Tie, Repository PHOENX MARS MET Experiment Untrass.pds.phr.met.reduced.ms137ms.00080015793,1728/1148 PHOENX MARS MET Experiment Untrass.pds.phr.met.reduced.ms137ms.0008001593,1728/1148 PHOENX MARS MET Experiment Untrass.pds.phr.met.reduced.ms127ms.200805982,146m1 PHOENX MARS MET Experiment Untrass.pds.phr.met.reduced.ms127ms.200805982,146m1 PHOENX MARS MET Experiment Untrass.pds.phr.met.reduced.ms1287m,000005982,146m1 PHOENX MARS MET Experiment Untrass.pds.phr.met.reduced.ms250m,000005982,142m1 PHOENX MARS MET Experim		PHOENIX MARS MET Experiment	urn:nasa:pds:phx_met:raw:n	ns028emh_00898706821_1337m1	1.0	Product_Observational
M8122RMF_0000708303_E3CMI unrussaptisptimetraduced ms122mi, 0000708033_te3om1Ms122_10_Product_File_Repository M8123RMA_0000019793_1728MI unrussaptisptim_metraduced ms027mip_0088827001_1145m1_10_Product_File_Repository PHOENX MARS MET Experiment unrussaptisptim_metraduced ms027mip_0088827001_1145m1_10_Product_Doesnational M8120RMA_0000061080_10FDM1 unrussaptisptim_metraduced ms027mip_00808827001_1145m1_10_Product_Doesnational M8120RMA_0000061080_01411 unrussaptisptim_metraduced ms027mip_0080882701_1145m1_10_Product_Doesnational M8120RMA_0000061080_01441 unrussaptisptim_metraduced ms028mip_008089524_158m1_10_Product_File_Repository PHOENX MARS MET Experiment unrussaptisptim_metraduced ms028mip_008089524_158m1_10_Product_Disensational M81408MI_0000061080_01441 unrussaptisptim_metraduced ms028mip_008089544_137c11M5030_10_Product_File_Repository PHOENX MARS MET Experiment unrussaptisptim_metraduced ms028mip_008089544_137c11M5030_10_Product_File_Repository M80097MC_0000825886_15F2MI unrussaptisptim_metraduced ms028mip_008089544_137c11M5030_11_0_Product_File_Repository M80097MRL_000044878_180MH unrussaptisptim_metraduced ms028mip_008095835_152m1M5032_11_0_Product_File_Repository M80924RML_000044878_180MH unrussaptisptim_metraduced ms028mip_008048478_180m1M1_0_Product_File_Repository M80924RML_000044878_180MH unrussaptisptim_metraduced ms028mip_008044878_180m1M3034_10_Product_File_Repository M80924RML_000044878_180MH unrussaptisptim_metraduced ms028mip_008044878_180m1M3034_10_Product_File_Repository Kinem UD Version Version 16.0 Time Wed, Apr 09 2014 at 12:45:42 AM1 Target(s) [testDir/bundle_en_dph] File Inclusions ['xml] Skore (Jocation http://locallnost-8080/registry Registry Dackage CUD unrusuud-9269801-3321-4c77-ad9a-ac472ac7858 SKUP: [restDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKUP: </td <td></td> <td>MS145RMC_00909081696_2014M1</td> <td>urn:nasa:pds:phx_met:reduc</td> <td>ed:ms145rmc_00909081696_2014m1:MS145</td> <td>1.0</td> <td>Product_File_Repository</td>		MS145RMC_00909081696_2014M1	urn:nasa:pds:phx_met:reduc	ed:ms145rmc_00909081696_2014m1:MS145	1.0	Product_File_Repository
M3133RM4_0008015793_1F28M1 urnnae_pds.phr.mstraduaed.ms133ma_0008015793_1128m1M5133 10 Product.File_Reposition urnnae.pds.phr.mstraduaed.ms07mm_0088822700_11446m1 10 Product.Dearvational PHOENX MARS MET Experiment urnnae.pds.phr.mstraduaed.ms104mm_0080454393_1c10an1 10 Product.Dearvational PHOENX MARS MET Experiment urnnae.pds.phr.mstraduaed.ms02mm_0080357824_16em1 10 Product.Dearvational PHOENX MARS MET Experiment urnnae.pds.phr.mstraduaed.ms03mm_0080357824_16em1 10 Product.Dearvational M512RM4_0080681694_102_Gearvational M512RM4_0080681694_102_Gearvational M5145M41_0080681694_102_Gearvational M5145M41_0080681694_102_Gearvational M5145M41_0080681694_102_Gearvational M5145M41_0080681694_1127CM1 urnnae.pds.phr.mstraduaed.ms03mm_0080357824_16em1 10 Product.File_Repository PHOENX MARS MET Experiment urnnae.pds.phr.mstraduaed.ms030mc_00898803448_137cm1.M5005 10 Product.File_Repository M6009RM2_008025895_1572M1 urnnae.pds.phr.mstraduaed.ms030mc_0089880348_137Cm1.M5005 10 Product.File_Repository M6094RM4_0080785255_1572M1 urnnae.pds.phr.mstraduaed.ms030mc_00898803448_137Cm1.M5005 10 Product.File_Repository M6094RM4_008045867_180AM1 urnnae.pds.phr.mstraduaed.ms030mc_00898803448_137Cm1.M5005 10 Product.File_Repository M6094RM4_0080454867_180AM1 urnnae.pds.phr.mstraduaed.ms030mc_00898803455_148m1.M5005 10 Product.File_Repository M6094RM4_0080454867_180AM1 urnnae.pds.phr.mstraduaed.ms030mc_00898803455_148m1.M5005 10 Product.File_Repository M6094RM4_0080454867_180AM1 urnnae.pds.phr.mstraduaed.ms030mc_00894807_180Am1.M5004 10 Product.File_Repository M6094RM4_0080454867_180AM1 urnnae.pds.phr.mstraduaed.ms030mc_00894807_180Am1.M5004 10 Product.File_Repository M6094RM4_0080454867_180AM1 urnnae.pds.phr.mstraduaed.ms030mc_00894807_180Am1.M5004 10 Product.File_Repository F1 11.ho.ut has 5272 lines, mostly "SUCCESS:" or "INFO:" ep 11: ho.ut has 5272 lines, mostly "SUCCESS:" or "INFO:" ep 12: PDS Harvest Tool Log Version Version 14.0 File_EDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_		PHOENIX MARS MET Experiment	urn:nasa:pds:phx_met:raw:n	ns065emh_00901976517_1761m1	1.0	Product_Observational
PHOENX MARS MET Experiment urmaas gdsphx, metreduced ms00/mc, 00696427001,1145an1 10 Product, Observational PHOENX MARS MET Experiment urmaas gdsphx, metreduced ms10/mh, 0060644808, 1461m1 M5120 10 Product, File, Repository PHOENX MARS MET Experiment urmaas gdsphx, metreduced ms120ma, 0006064614, 1461m1 M5120 10 Product, File, Repository PHOENX MARS MET Experiment urmaas gdsphx, metreduced ms168mh, 000003678224, 196an1 10 Product, Observational M610448084, 00060861669, 2014m1 198176 10 Product, Observational Urmaas gdsphx, metreduced ms168mh, 000003678224, 196an1 10 Product, Observational Urmaas gdsphx, metreduced ms168mh, 000003678224, 198an1 10 Product, Observational Urmaas gdsphx, metreduced ms168mh, 00000376224, 198an1 10 Product, Diservational Urmaas gdsphx, metreduced ms050mc, 0008093696, 1972m1 M5050 10 Product, File, Repository PHOENX MARS MET Experiment urmaas gdsphx, metreduced ms050mc, 0008026964, 1372m1 M5050 10 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025696, 1972m1 M5050 10 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025696, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025696, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025696, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025695, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025695, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025695, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025695, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025695, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025695, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 0000025695, 1372m1 M5050 11 Product, File, Repository Urmass gdsphx, metreduced ms050mc, 00000146876, 1372m1 M5050 11 Product, File, Repository Urmassy Gs		MS122RMH_00907036303_1E3CM1	urn:nasa:pds:phx_met:reduc	ed:ms122rmh_00907036303_1e3cm1:MS122	1.0	Product_File_Repository
PHOENX MARS MET Experiment urrnaae gdsphr, metreduced ms00/mc, 00696427001, 1142m1 10 Product, Observational PHOENX MARS MET Experiment urrnaae gdsphr, metreduced ms120ma, 00000641803, 1cfon1 10 Product, File, Repository PHOENX MARS MET Experiment urrnaae gdsphr, metreduced ms120ma, 00000641804, 1dfon1M5120 10 Product, Diservational Urrnaae gdsphr, metreduced ms120ma, 00000641804, 1dfon1M5120 10 Product, Diservational Urrnaae gdsphr, metreduced ms140mh, 00000375224, 18ecn1 10 Product, Diservational Ms130RH, 0000054668, 2014m1 148148 H 0000001668, 2014m1 148148 H 0000001668, 2014m1 148148 H 0000001668, 2014m1 148148 H 00000017627, 2011m1 10 Product, Diservational Urrnaae gdsphr, metreduced ms140mh, 000003176271 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 1480000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 148000 10 Product, Diservational Urrnaae gdsphr, metreduced ms030mc, 0000026904, 1370m1 1480000014, Diservational Urrnaae gdsphr, metreduced ms030mc, 000000044, 1370m1 14800 Urrnaa Urrn		MS133RMA_00908015793_1F28M1	urn:nasa:pds:phx_met:reduc	ed:ms133rma_00908015793_1f28m1:MS133	1.0	Product_File_Repository
PHOENX MARS MET Experiment ummaar pds.phx_metreduced ms104mh_0090544399_tc1dm1 PHOENX MARS MET Experiment ummaar pds.phx_metreduced ms102mm_0090681694_16dm1:M5120 10 Product, Diservational PHOENX MARS MET Experiment ummaar pds.phx_metreduced ms050mh_009006816962_118dm1 10 Product, Diservational MS12BRMA_0090081696_2014M1 ummaare pds.phx_metreduced ms050mh_00900816964_19acm1 10 Product, Diservational MS145RME_100909081696_2014M1 ummaare pds.phx_metreduced ms050mh_00909816964_19acm1 10 Product, Diservational MS050RMC_00908890448_137CM1 ummaare pds.phx_metreduced ms020mm_00908890448_137cm1M8030 10 Product, Diservational MS052RMC_0090826969_15F2M1 ummaare pds.phx_metreduced ms020mm_0090895068_1512m1:MS022 10 Product, File, Repository MS052RMC_00900826969_15F2M1 ummaare pds.phx_metreduced ms020mm_0090826969_1512m1:MS022 10 Product, File, Repository MS052RMC_00900826969_15F2M1 ummaare pds.phx_metreduced ms020mm_0090825696_1512m1:MS022 10 Product, File, Repository MS052RMC_00900826969_15F2M1 ummaare pds.phx_metreduced ms020mm_0090815692_1582m1:MS022 10 Product, File, Repository MS052RMC_00900826969_15F2M1 ummaare pds.phx_metreduced ms020mm_0090815692_1582m1:MS022 10 Product, File, Repository MS052RMC_00900826969_15F2M1 u						
 MS120RMA_0005681804_10FDM1 urnnas.pds.phv, metreduced.ms120rms_00066581804_13fdm1.MS12011_0 Product, Clearvational PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms035mb_0003578294_18en11 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms146mb_0003098608_01411MS1451451_0 PhOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms146mb_0003098608_01411MS1451_0 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms130mb_0003978294_18en11MS030_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms130mb_0089868044_1370m1.MS030_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_00896805_150fm1MS030_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_00804568576_11MS030_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_00804568576_11MS030_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_00804568576_11MS030_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_0080456876_1100.mH1MS1041_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_0080456876_1100.mH1MS1041_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_0080454877_100.mH1MS1041_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_0080454877_100.mH1MS1041_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_0080454877_01000mt_150_100_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_0080454876_100.mH1MS1041_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.ms030mb_0080454876_100.mH1MS1041_10 PHOENX MARS MET Experiment urnnas.pds.phv, metreduced.phv (PHIX_20140106/phx_ra/context/File_PHOENT_20140106/phx_ra/context/File_PHOENT_20140106/phx_ra/context/phoentix [File_FIDIr/bundle_en_dph/product_DIP_deep_archive/PHIX_20140106/phx_ra/context/phoentix a primary member						
PHOENX MARS MET Experiment urmasspecipix, metrawrm050emh,0090080592,154m1 PHOENX MARS MET Experiment urmasspecipix, metraduced me038mh,0090081686,2014m1M8154 10 PHOENX MARS MET Experiment urmasspecipix, metraduced me148mh,0090081686,2014m1M8154 PHOENX MARS MET Experiment urmasspecipix, metraduced me148mh,0090081686,2014m1M8154 PHOENX MARS MET Experiment urmasspecipix, metraduced me148mh,00900817677,2031m1 PHOENX MARS MET Experiment urmasspecipix, metraduced me032mn,0090886464,8137cm1M8030 PHOENX MARS MET Experiment urmasspecipix, metraduced me032mn,0090886464,8137cm1M80301 PHOENX MARS MET Experiment urmasspecipix, metraduced me032mn,009088666,197m1M80301 PHOENX MARS MET Experiment urmasspecipix, metraduced me032mn,0090886667, 100am1M80301 PHOENX MARS MET Experiment urmasspecipix, metraduced me032mn,0090886667, 100am1M80301 PHOENX MARS MET Experiment urmasspecipix, metraduced me032mn,0090814667, 100am1M80301 PHOENX MARS MET Experiment urmass	_		=			
PHOENX MARS MET Experiment unneaspdaphy, metreduced ma083mh_00003518294_18ecm1 10 Product_Observational unneaspdaphy, metreduced ma048mh_0000901698_2014m1.MS145 10 Product_File_Repository inneaspdaphy, metreduced ma030mb_000901698_2014m1.MS145 10 Product_File_Repository inneaspdaphy, metreduced ma030mb_0009859964_137Cm1.MS030 10 Product_File_Repository inneaspdaphy, metreduced ma030mb_0009859964_137Cm1.MS030 10 Product_File_Repository inneaspdaphy, metreduced ma030mb_000985996_152m1 10 Product_File_Repository inneaspdaphy, metreduced ma030mb_000985996_152m1 10 Product_File_Repository inneaspdaphy, metreduced ma032mb_009085965_152m1.MS032 10 Product_File_Repository inneaspdaphy, metreduced ma032mb_009085965_152m1.MS032 11 Product_File_Repository inneaspdaphy, metreduced ma032mb_009085965_152m1.MS032 11 Product_File_Repository inneaspdaphy, metreduced ma034mb_0090464878_1b0am1.MS044 11 Product_File_Repository interventional inneaspdaphy, metreduced ma034mb_0090464878_1b0am1.MS044 11 Product_File_Repository interventional inneaspdaphy, metreduced ma034mb_0090464878_1b0am1.MS044 11 Product_File_Repository interventional int	_					
 M8146RMH_0000081698_014M1 un.nasapts.phx_met.reduced.ms145mh_0000081698_0141M3155 Product_File_Repository PHOENX_MARS_MET Experiment un.nasapts.phx_met.reduced.ms146mh_0000917777_2031m1 Product_File_Repository PHOENX_MARS_MET Experiment un.nasapts.phx_met.reduced.ms030mn_000898044_0_1370m1M8000 PHOENX_MARS_MET Experiment un.nasapts.phx_met.reduced.ms030mn_000898044_0_1370m1M8000 PHOENX_MARS_MET Experiment un.nasapts.phx_met.reduced.ms030mn_00898903_1622m1 Product_File_Repository M60082806_0597535235_1EF3M1 un.nasapts.phx_met.reduced.ms032mn_0000035895_1567m1508001 Product_File_Repository M60082806_0597535235_1EF3M1 un.nasapts.phx_met.reduced.ms034mn_0090444876_190am1.M50841 Product_File_Repository M60082806_0597535235_1EF3M1 un.nasapts.phx_met.reduced.ms034mn_0090444876_190am1.M50841 Product_File_Repository M60082806_0597535235_1EF3M1 un.nasapts.phx_met.reduced.ms034mn_0090448876_190am1.M50841 Product_File_Repository M60082806_019835235_1EF3M1 un.nasapts.phx_met.reduced.ms034mn_0090448876_190am1.M50841 Product_File_Repository M60082806_019835235_1EF3M1 un.nasapts.phx_met.reduced.ms034mn_0090448876_190am1.M50841 Product_File_Repository Product_File_Repository<td>_</td><td></td><td></td><td></td><td></td><td>_</td>	_					_
PHOENX MARS MET Experiment unrunsaspdx:phx_metreduced:ms030mc_00998890448_137cm1_M503010_00998903_1622m1 10 Product_File_Repository PHOENX MARS MET Experiment unrunsaspdx:phx_metreduced:ms030mc_009989903_1622m1 10 Product_File_Repository PHOENX MARS MET Experiment unrunsaspdx:phx_metreduced:ms030mc_009989903_1622m1 10 Product_File_Repository Ms03918MC_0090785223_1EF2M1 unrunsaspdx:phx_metreduced:ms032mc_0090825696_1592m1.Ms0321 Ms03918MC_0090785223_1EF2M1 unrunsaspdx:phx_metreduced:ms032mc_0090785223_16F8M1451311 Product_File_Repository Ms03918MC_0090454687_1004014 Ms03918MC_0090454687_1004014597_1004014597_1004014597_1004014597_1004014591 Ms03918MC_0090454687_1004014 UD Version Using Status Version Version 1.6.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [<i>testDir/</i> pundle_en_dph] File Inclusions ['x:ml] Severity Level INFO Registry Location http://localhost:8080/registry Registry Datage CUID urruuid:9c269801-3321-4c77-ad9a-ac472ac7/858 SKIP: [<i>testDir/</i> pundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir/</i> pundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir/</i> pundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member. SKIP: [<i>testDir</i>	_					
 M8030RMC_0088880448_137CM1 ummasspds:phx_metreduced.ms030rm_00898890448_137cm1.M8038 10 Product_File_Repository PHOENX MARS MET Experiment ummasspds:phx_metreduced.ms030rm_0080889093_1622m1 10 Product_Observational M80082RMC_00800828085_11872M1 ummasspds:phx_metreduced.ms030rm_0080828065_1182m1.M80382 10 Product_File_Repository M81084RML_00800448676_180AM1 ummasspds:phx_metreduced.ms034rmL_00804548676_1102m1.M80382 10 Product_File_Repository M8004FMML_00800448676_180AM1 ummasspds:phx_metreduced.ms034rmL_00804548676_1102m1.M80382 10 Product_File_Repository Mame UD Versior Object Type I of 130 Total Records: 2501 Show: 20 mecods 1 ep 10 is the same as step 3. ep 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" ep 12: PDS Harvest Tool Log Version 1.6.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [<i>testDir/</i>bundle_en_dph] File Inclusions [*.xml] Severity Location http://localhost:8080/registry Registry Location http://localhost:8080/registry Registry Package Name Harvest-Package_20140409004542 Registry Package CUID ummuid:9c269801-3321-4c77-ad9a-ac472ac7858 SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHIX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHIX_20140106/phx_ra/context/phx: a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHIX_20140106/phx_ra/context/phx: a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_arch		MS145RMH_00909081696_2014M1	urn:nasa:pds:phx_met:reduc	zed:ms145rmh_00909081696_2014m1:MS145	1.0	Product_File_Repository
PHOENIX MARS MET Experiment unrunsseptisptx_metraw.me054eml_0000999903_1622m1 1.0 Product_Observational MS032RMC_00000825995_15F2M1 unrunsseptisptx_metraducedims052mc_00000825995_152m11M30021 1.0 Product_File_Repository MS032RMC_00000825995_15F2M1 unrunsseptisptx_metraducedims052mc_00000825995_152m11M30021 1.0 Product_File_Repository MS034RML_00004546076_180AM1 unrunsseptisptx_metraducedims04mm_00004546076_150am11M3094 1.0 Product_File_Repository Name UD Versior Object Type I of 180 Total Records: 2501 Show: 20 mecords ± 1.0 P11: h.out has 52721 lines, mostly "SUCCESS:" or "INFO:" rep 10; http://iocalhost.800/registry reg 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" registry for the registry of the register		PHOENIX MARS MET Experiment	urn:nasa:pds:phx_met:reduc	ced:ms146rml_00909176777_2031m1	1.0	Product_Observational
 MS052PMC_0000025698_19F2M1 urr.nase.pds.phr.metreduced.ms052rmc_0090025598_19f2m1MS052F1.0 Product_File_Repository MS191PMC_00907855235_1EF9M1 urr.nase.pds.phr.metreduced.ms054rmC_00907855235_1ef9M1MS1311_1.0 Product_File_Repository MS054PML_00904548676_180AM1 urr.nase.pds.phr.metreduced.ms054rmC_00904548676_1b0am1M50341_1.0 Product_File_Repository Name LD Versior Object Type 1 of 130 Total Records: 2591 Show: 20 records ep 10 is the same as step 3. ep 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" ep 12: PDS Harvest Tool Log Version Version 1.6.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [<i>testDir/</i>bundle_en_dph] File Inclusions [*.xml] Severity Level INFO Registry Location http://localhost:8080/registry Registry Location http://localhost:8080/registry Registry Location http://localhost:8080/registry <i>[testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary		MS030RMC_00898890448_137CM1	urn:nasa:pds:phx_met:reduc	ced:ms030rmc_00898890448_137cm1:MS030	1.0	Product_File_Repository
■ MS131RMC_000783228_1EFBM1 urmass.pdx.phx.metreduced.ms131rmc_000783228_1efBm1M81311_1.0 Product_File_Repository ■ MS094IRML_00904548676_180AM1 urmass.pdx.phx.metreduced.ms094rml_00904548676_180am1M50341_1.0 Product_File_Repository ■ Manne LID Versior Object Type ■ 1 of 100 } Total Records: 2591 Show: 20 records tep 10 is the same as step 3. Etp 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" Total Records: 2591 tep 12: PDS Harvest Tool Log Version 1.6.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [tes/Dir/bundle_en_dph] File Inclusions [*.xml] Severity Level INFO Registry Location http://localhost:8080/registry Registry Location http://localhost:8080/registry Registry Location http://localhost:8080/registry Registry Location http://localhost:8080/registry Registry Location http://localhost:8080/registry Registry Context/mars_pl Not a primary member. SKIP: [tes/Dir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [tes/Dir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:a a primary member. SKIP: <td></td> <td>PHOENIX MARS MET Experiment</td> <td>urn:nasa:pds:phx_met:raw:n</td> <td>ns054eml_00900999903_1622m1</td> <td>1.0</td> <td>Product_Observational</td>		PHOENIX MARS MET Experiment	urn:nasa:pds:phx_met:raw:n	ns054eml_00900999903_1622m1	1.0	Product_Observational
MS094RML_000904548676_180AM1 un.nasac.pds.phx_metreduced.ms094rml_000904548676_1b0am1:MS094 10 Product_File_Repository Name LID Versior Object Type I of 130 IF Total Records: 2891 Show: 20 records IF ep 10 is the same as step 3. ep 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" ep 12: PDS Harvest Tool Log Version Version 16.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [tstDir/bundle_en_dph] File Inclusions [*.xml] Severity Level INFO Registry Location http://localhost:8080/registry Rega-ac472ac7f858 SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/f Not a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/f Not a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/f Not a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_201		MS052RMC_00900825695_15F2M1	urn:nasa:pds:phx_met:reduc	ed:ms052rmc_00900825695_15f2m1:MS052f	1.0	Product_File_Repository
Name LD Version Object Type I of 130 Total Records: 2591 Show: 20 records Show: 20 records teep 10 is the same as step 3. get 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" Step 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" teep 12: PDS Harvest Tool Log Version Version 16.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [festDir/bundle_en_dph] File Inclusions [*.mn] Severity Level INFO Registry Location http://localhost:8080/registry Registry Coctage Name Harvest-Package_20140409004542 Registry Package Name Harvest-Package_20140409004542 Registry Icoation http://localhost:8080/registry Registry Location http://localhost:8080/registry Registry Context provide a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:: a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:: a primary member. SKIP: [testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/con		MS131RMC_00907835235_1EF9M1	urn:nasa:pds:phx_met:reduc	ed:ms131rmc_00907835235_1ef9m1:MS131	1.0	Product_File_Repository
I of 190 Total Records 2591 Show: 20 records 1 tep 10 is the same as step 3. Etep 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" tep 12: PDS Harvest Tool Log Version Version 1.6.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [!estDir/bundle_en_dph] File Inclusions [*.xml] Severity Level INFO Registry Location http://localhost:8080/registry Registry Dackage Name Harvest-Package_20140409004542 Registry Dackage Name Harvest-Package_20140409004542 Registry Dackage GUID urn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858 SKIP: [<i>ItesIDir/</i> bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pi Not a primary member. SKIP: SKIP: [<i>ItesIDir/</i> bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>ItesIDir/</i> bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member. SKIP: [<i>ItesIDir/</i> bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member. SKIP: [<i>ItesIDir/</i> bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member. SKIP:		MS094RML_00904548676_1B0AM1	urn:nasa:pds:phx_met:reduc	ed:ms094rml_00904548676_1b0am1:MS094	1.0	Product_File_Repository
I of 130 DetaRecords: 2591 Show: 20 records = tep 10 is the same as step 3. show: 20 records = tep 11: h.out has 5272 lines, mostly "SUCCESS:" or "INFO:" tep 12: PDS Harvest Tool Log Version Version 1.6.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [!estDir/bundle_en_dph] File Inclusions [*.xml] Severity Level INFO Registry Location http://localhost:8080/registry Registry Dackage Name Harvest-Package_20140409004542 Registry Caction http://localhost:8080/registry Registry Dackage Name Harvest-Package_20140409004542 Registry Durdle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>IestDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>IestDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member. SKIP: [<i>IestDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member. SKIP: [<i>IestDir</i> /bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary						
 PDS Harvest Tool Log Version Version 1.6.0 Time Wed, Apr 09 2014 at 12:45:42 AM Target(s) [<i>testDir/</i>bundle_en_dph] File Inclusions [*.xml] Severity Level INFO Registry Location http://localhost:8080/registry Registry Location http://localhost:8080/registry Registration Package GUID urn:uuid:9c269801-3321-4c77-ad9a-ac472ac7/858 SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:: a primary member. SKIP: [<i>testDir/</i>bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product_Document 38 Product_Drowse 	step	10 is the same as s	tep 3.		. "	
VersionVersion 1.6.0TimeWed, Apr 09 2014 at 12:45:42 AMTarget(s)[testDir/bundle_en_dph]File Inclusions[*.xml]Severity LevelINFORegistry Locationhttp://localhost:8080/registryRegistry Package NameHarvest-Package_20140409004542Registry Package GUIDurn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_plNot a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary: 179 of 179 products registered.383 of 383 ancillary products registered. Product_Document 38 Product_Drowse58 Product_Browse	step Step	10 is the same as s 11: h.out has 5272	tep 3.		:″	
TimeWed, Apr 09 2014 at 12:45:42 AMTarget(s)[testDir/bundle_en_dph]File Inclusions[*.xml]Severity LevelINFORegistry Locationhttp://localhost:8080/registryRegistry Package NameHarvest-Package_20140409004542Registry Package GUIDurn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_plNot a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary:T79 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s)T79 of 179 products registered. 383 of 383 ancillary products registered. Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12:	tep 3. lines, mostly "S		:″	
Target(s)[testDir/bundle_en_dph]File Inclusions[*.xml]Severity LevelINFORegistry Locationhttp://localhost:8080/registryRegistry Package NameHarvest-Package_20140409004542Registration Package GUIDurn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_plNot a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx: a primary member.SKIP:[testDir/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 products registered.383 of 383 ancillary products registered. Product_Document 38 Product_BrowseSkiped	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool	tep 3. lines, mostly "S ^I ^{Log}		:″	
 File Inclusions [*.xml] Severity Level INFO Registry Location http://localhost:8080/registry Registry I.ocation http://localhost:8080/registry Registry Package Name Harvest-Package_20140409004542 Registration Package GUID urn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858 SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. 383 of 383 ancillary products registered. Product_Document 38 Product_Browse 	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version	tep 3. lines, mostly "S ^I ^{Log} Version 1.6.0	UCCESS:" or "INFO	:″	
RegistryLocationhttp://localhost:8080/registryRegistryPackage NameHarvest-Package_20140409004542RegistrationPackage GUIDurn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_plNot a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member.SKIP:[testDir/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member.SKIP:[testDir/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary:179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s)179 of 179 products registered. 383 of 383 ancillary products registered. Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time	tep 3. lines, mostly "S Log Version 1.6.0 Wed, Apr 09 2014 at 1	UCCESS:" or "INFO	″	
 Registry Package Name Harvest-Package_20140409004542 Registration Package GUID urn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858 SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product_Types Registered: 5 Product_Browse 	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s)	tep 3. lines, mostly "S Log Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_	UCCESS:" or "INFO	:″	
 Registration Package GUID urn:uuid:9c269801-3321-4c77-ad9a-ac472ac7f858 SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 383 ancillary products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse 	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level	tep 3. lines, mostly "S Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO	UCCESS:" or "INFO 12:45:42 AM dph]	:″	
 SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/mars_pl Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/p Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse 	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location	tep 3. lines, mostly "S Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost	UCCESS:" or "INFO 12:45:42 AM dph] :8080/registry	″	
 Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/pt Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx:: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. 5 Product_Document 38 Product_Browse 	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I	tep 3. lines, mostly "SI Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac	UCCESS:" or "INFO 12:45:42 AM dph] :8080/registry kage_20140409004542		3
 SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/p Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class elem Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse 	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa	tep 3. lines, mostly "SI Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac	UCCESS:" or "INFO 12:45:42 AM dph] :8080/registry kage_20140409004542		3
[<i>testDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/phoenix a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/p Not a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [testDir/bundle_ender]	tep 3. lines, mostly "S Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac age GUID urn:uuid:90 n_dph/product_DIP_	UCCESS:" or "INFO 2:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a	c7f858	
a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/p Not a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary met	tep 3. lines, mostly "S Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac age GUID urn:uuid:90 n_dph/product_DIP_	UCCESS:" or "INFO 2:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a	c7f858	
 SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/p Not a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse 	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Lockage I Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary men	tep 3. lines, mostly "Sl Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac toge GUID urn:uuid:90 n_dph/product_DIP_, mber.	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472 <i>a</i> deep_archive/PHX_20140106/	c7f858 phx_1	ra/context/mars_p
 SKIP: [<i>testDir</i>/bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i>/bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse 	tep tep	10 is the same as si 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [testDir/bundle_en SKIP: [testDir/bundle_en]	tep 3. lines, mostly "Sl Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac oge GUID urn:uuid:90 n_dph/product_DIP_ mber.	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472 <i>a</i> deep_archive/PHX_20140106/	c7f858 phx_1	ra/context/mars_p
[<i>testDir</i> /bundle_en_dph/product_DIP_deep_archive/PHX_20140106/phx_ra/context/ra_phx.: a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary member a primary member	tep 3. lines, mostly "Sl Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac loge GUID urn:uuid:90 n_dph/product_DIP_ mber. n_dph/product_DIP_e	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/	c7f858 phx_1 phx_1	ra/context/mars_p ra/context/phoeni
a primary member. SKIP: [<i>testDir</i> /bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary member SKIP: [testDir/bundle_en a primary member SKIP: [testDir/bundle_en Not a primary member SKIP: [testDir/bundle_en Applied to the state of th	tep 3. lines, mostly "Sl Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac oge GUID urn:uuid:90 n_dph/product_DIP_ mber. n_dph/product_DIP_c. n_dph/product_DIP_c.	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/	c7f858 phx_1 phx_1	ra/context/mars_p ra/context/phoeni
SKIP: [<i>testDir</i> /bundle_en_dph/ingest_dd/Ingest_LDD_telemetry.xml] No product_class eleme Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary member SKIP: [testDir/bundle_en a primary member SKIP: [testDir/bundle_en SKIP: [t	tep 3. lines, mostly "Sl Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac age GUID urn:uuid:90 n_dph/product_DIP_ mber. n_dph/product_DIP_ c. ndle_en_dph/product	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_201	c7f858 phx_1 phx_1 40106	ra/context/mars_p ra/context/phoeni i/phx_ra/context/
Summary: 179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registry Package I Registry Package I (<i>testDir</i> /bundle_ent Not a primary member SKIP: [<i>testDir</i> /bundle_ent SKIP: [<i>testDir</i> /bundle_ent [<i>testDir</i> /bun	tep 3. lines, mostly "Si Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac age GUID urn:uuid:90 n_dph/product_DIP_ mber. n_dph/product_DIP ndle_en_dph/product_DIP	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_201	c7f858 phx_1 phx_1 40106	ra/context/mars_p ra/context/phoeni i/phx_ra/context/
179 of 179 file(s) processed, 5 other file(s) skipped 0 error(s), 0 warning(s) 179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as si 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packag SKIP: [testDir/bundle_en Not a primary member SKIP: [testDir/bundle_en a primary member	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [testDir/bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac age GUID urn:uuid:90 n_dph/product_DIP_i mber. n_dph/product_DIP_i c. ndle_en_dph/product_DIP_i r.	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx
179 of 179 products registered. 383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as si 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary member SKIP: [testDir/bundle_en a primary member SKIP: [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en]	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [testDir/bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac age GUID urn:uuid:90 n_dph/product_DIP_i mber. n_dph/product_DIP_i c. ndle_en_dph/product_DIP_i r.	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx
383 of 383 ancillary products registered. Product Types Registered: 5 Product_Document 38 Product_Browse	step Step	10 is the same as si 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary member SKIP: [testDir/bundle_en a primary member SKIP: [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en]	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [testDir/bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac INFO http://localhost n_dph/product_DIP m_dph/product_DIP n_dph/product_DIP n_dph/product_DIP n_dph/product_DIP n_dph/product_DIP n_dph/product_DIP	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ dd/Ingest_LDD_telemetry.xm	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx
Product Types Registered: 5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [<i>testDir</i> /bundle_en Not a primary member SKIP: [<i>testDir</i> /bundle_en a primary member SKIP: [<i>testDir</i> /bundle_en	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [testDir/bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac Ige GUID urn:uuid:90 n_dph/product_DIP_0 mdle_en_dph/product_DIP_1 n_dph/product_DIP_1 n_dph/product_DIP_1 n_dph/product_DIP_1 n_dph/product_DIP_1 n_dph/product_DIP_1 n_dph/product_DIP_1 n_dph/product_DIP_1	UCCESS:" or "INFO 22:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ dd/Ingest_LDD_telemetry.xm	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx
5 Product_Document 38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [testDir/bundle_en Not a primary member SKIP: [testDir/bundle_en a primary member SKIP: [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [testDir/bundle_en] [t	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac loge GUID urn:uuid:90 n_dph/product_DIP_d c. n_dph/product_DIP_indle_en_dph/product_DIP_indle_en_dph/product_DIP_indle_en_dph/product_DIP_indle_en_dph/ingest_ rocessed, 5 other file(set and the set and the	UCCESS:" or "INFO (2:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ dd/Ingest_LDD_telemetry.xm) skipped	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx
38 Product_Browse	tep tep	10 is the same as s 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registration Packa SKIP: [<i>testDir</i> /bundle_en Not a primary member SKIP: [<i>testDir</i> /bundle_en a primary member [<i>testDir</i> /bundle_en a primary member [<i>testDir</i> /bundle_en a primary member [<i>testDir</i> /bundle_en [<i>testDir</i>	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac loge GUID urn:uuid:90 n_dph/product_DIP_o c. n_dph/product_DIP_o c. n_dph/product_DIP_o c. n_dph/product_DIP_o c. n_dph/product_DIP_o c. n_dph/product_DIP_o c. n_dph/product_DIP_o s. n_dph/product_DIP_o c. n_dph/product_DIP_o s. n_odph/product_DIP_o c. n_dph/product_DIP_o s. n_odph/product_DIP_o c. n_	UCCESS:" or "INFO (2:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ dd/Ingest_LDD_telemetry.xm) skipped	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx
	tep tep	10 is the same as si 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registry Package I Reg	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac loge GUID urn:uuid:90 n_dph/product_DIP m_dph/product_DIP n_dph/product_DIP n_dph/product_DIP n_dph/product_DIP n_dph/product_DIP n_dph/product_DIP s registered. y products registered. y products registered. gistered:	UCCESS:" or "INFO (2:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ dd/Ingest_LDD_telemetry.xm) skipped	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx
128 Product_Observational	tep tep	10 is the same as si 11: h.out has 5272 12: PDS Harvest Tool Version Time Target(s) File Inclusions Severity Level Registry Location Registry Package I Registry Package I Registry Package I Registry Package I Registry Package I (<i>testDir</i> /bundle_en a primary member SKIP: [<i>testDir</i> /bundle	tep 3. lines, mostly "Si Log Version 1.6.0 Wed, Apr 09 2014 at 1 [<i>testDir</i> /bundle_en_ [*.xml] INFO http://localhost Name Harvest-Pac loge GUID urn:uuid:90 n_dph/product_DIP_ mber. n_dph/product_DIP_i r. n_dph/product_DIP_i r. n_dph/product_DIP_i s registered. y products registered. gistered: ent	UCCESS:" or "INFO (2:45:42 AM dph] :8080/registry kage_20140409004542 c269801-3321-4c77-ad9a-ac472a deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ t_DIP_deep_archive/PHX_20140106/ deep_archive/PHX_20140106/ dd/Ingest_LDD_telemetry.xm) skipped	c7f858 phx_1 phx_1 40106 phx_1	ra/context/mars_p ra/context/phoeni s/phx_ra/context/ ra/context/ra_phx

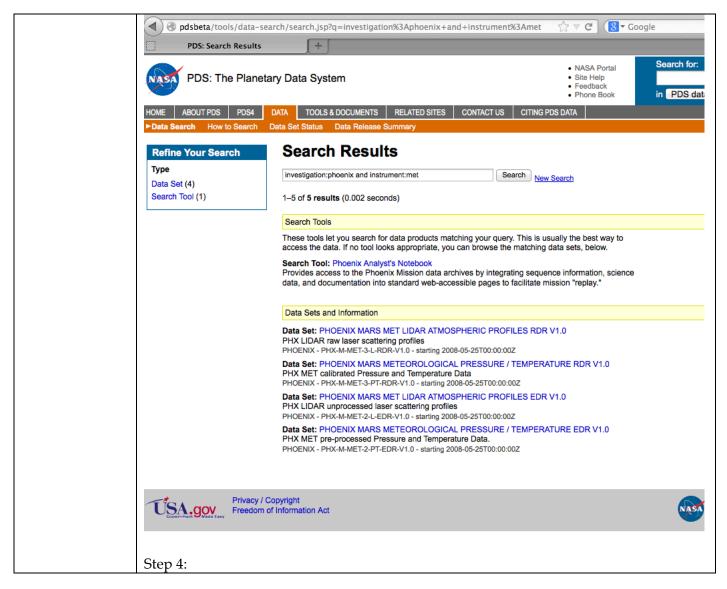
	2 Product_XML_Schema 1 Product_Bundle 4 Product_Collection 383 Product_File_Repository 545 of 545 associations registered. 44 of 44 associations registered. End of Log Step 13: ▲ localhost:8080/registry-ui/						
	Produ	ct Registry					
		Name		LID	Version	Object Type	Status
		pit_test_duricrust_dig	1_pic4	urn:nasa:pds:phx_ra:data_test:pit_test_duricrust_dig1_pic4	1.0	Product_Browse	Submitted
		Phoenix Robotic Arm	Derived Product: sol148c	urn:nasa:pds:phx_ra:data_derived:sol148c	1.0	Product_Observational	Submitted
		sol148d		urn:nasa:pds:phx_ra:data_derived:sol148d:sol148d.xml	1.0	Product_File_Repository	Submitted
		sol033c		urn:nasa:pds:phx_ra:data_derived:sol033c:sol033c.csv	1.0	Product_File_Repository	Submitted
		Phoenix Robotic Arm	Derived Product: sol073	urn:nasa:pds:phx_ra:data_derived:sol073	1.0	Product_Observational	Submitted
		Phoenix Robotic Arm	Derived Product: sol071b	urn:nasa:pds:phx_ra:data_derived:sol071b	1.0	Product_Observational	Submitted
		sol126b		urn:nasa:pds:phx_ra:data_derived:sol126b:sol126b.xml	1.0	Product_File_Repository	Submitted
		sol147a		urn:nasa:pds:phx_ra:data_derived:sol147a:sol147a.csv	1.0	Product_File_Repository	Submitted
		pit_test_icy_soil_pic3		urn:nasa:pds:phx_ra:data_test:pit_test_icy_soil_pic3:pit_test_ic	1.0	Product_File_Repository	Submitted
		Phoenix Robotic Arm	Derived Product: sol042e	urn:nasa:pds:phx_ra:data_derived:sol042e	1.0	Product_Observational	Submitted
		sol110		urn:nasa:pds:phx_ra:data_derived:sol110:sol110.xml	1.0	Product_File_Repository	Submitted
		sol042c		urn:nasa:pds:phx_ra:data_derived:sol042c:sol042c.csv	1.0	Product_File_Repository	Submitted
		sol011		urn:nasa:pds:phx_ra:data_derived:sol011:sol011.csv	1.0	Product_File_Repository	Submitted
	Clementine UVVIS Digital Image Model UI24S00		gital Image Model UI24S003	um:nasa:pds:moon_clem_uvvis:data:ui24s003	1.0	Product_Observational	Submitted
		pit_test_scraping_pic2	2	urn:nasa:pds:phx_ra:data_test:pit_test_scraping_pic2:pit_test_	1.0	Product_File_Repository	Submitted
		Phoenix Robotic Arm	Derived Product: sol134a	urn:nasa:pds:phx_ra:data_derived:sol134a	1.0	Product_Observational	Submitted
		Package for the Bund	lle:phx_ra	urn:nasa:pds:system_bundle:dip_deep_archive:phoenix	1.0	Product_DIP_Deep_Archive	Submitted
		pit_test_duricrust_dig	1_pic8	urn:nasa:pds:phx_ra:data_test:pit_test_duricrust_dig1_pic8:pit	1.0	Product_File_Repository	Submitted
		sol049		urn:nasa:pds:phx_ra:data_derived:sol049:sol049.csv	1.0	Product_File_Repository	Submitted
		sol116b		urn:nasa:pds:phx_ra:data_derived:sol116b:sol116b.csv	1.0	Product_File_Repository	Submitted
		Name		LID	Version	Object Type	Status
		1 of 29	Total Records: 562	Show: 20 records ‡			
Comments	Step 1 not ye Mars, would	Results met test successful criteria. Step 12: the first 4 skipped files indicate that the collections have secondary members not yet registered as primary members. That is correct, for those products (the target Mars, the mission phoenix, the instrument host phx, the instrument phoenix/ra) would be primary elsewhere. The 5th skipped .xml file is a local data dictionary file, not a label for a product. Harvest skips it as it should. Therefore none are issues.					
Date of Testing	2014.0	04.09	·	*			
Test Personnel	Richa	rd Chen					

Upon completition of NODETEST.3 above, wait for EN to register context products (including investigation archive webpage), synchronize registries, and rebuild search indices before proceeding to next Node test step below.

Separate testing of these EN activites is documented in the PDS4 Build 4b Test Document, available at http://pds-engineering.jpl.nasa.gov/index.cfm?pid=145&cid=194 as "System Test Documentation (.pdf)".

Test Case ID	NODESTEST.4

Description	Find registered products using PDS Home Page Data Search and download products			
	from the Node.			
Requirements	PASS L5.SCH.1: The service shall provide a user interface for entering of queries and display of search results PASS L5.SCH.6: The service shall support searching by accepting criteria as a sequence of open text keywords. PASS L5.SCH.7: The service shall accept criteria as a series of values for constraints on specified indexes. PASS L5.SCH.8: The service shall support narrowing of additional index results based on specifications of terms and/or values on indexes. PASS L5.SCH.10: The service shall provide results to a search as a sequence of matching URIs to resources that contain search desiderata. PASS L5.SCH.11: The service shall annotate each URI of a result with metadata describing the URI.			
Success Criteria	After configuration (e.g. regenerating search indices), Search returns the data			
	harvested in the previous step.			
Test Steps	 In general: In browser, <u>http://pdsbeta.jpl.nasa.gov</u> Click "DATA" tab. In the main text box, search for archive pages for investigations, other information (including instrument, instrument_host, target, investigation), and/or any bundles or collections registered in NODESTEST.3 Click a search result to get more information. To test the PHX bundle: same as above same as above In the main text box: investigation:phoenix and instrument:met Click the first Data Set, PHOENIX MARS MET LIDAR ATMOSPHERIC PROFILES RDR V1.0 			
Test Results	Step 3:			



	d pdsbe	ta/ds-view/pds/viewDataset.Jsp?dsid=PHX-N		loogle	
	DDS: Da	ta Set Information			
	PD:	S: The Planetary Data System	Site Help Feedback	earch for: PDS data	Go ÷
	HOME ABOUT F	PDS DATA TOOLS & DOCUMENTS RELATED SIT	TES CONTACT US CITING PDS D	ATA	
	Data Search	Form Search How to Search Data Set Status Data	a Release Summary		
	PHX LID	AR raw laser scattering p	rofiles		
	Citation	Dickinson, C. D., PHX ATMOSPHERIC LIDAR PROF	ILES V1.0, NASA Planetary Data Sys	stem, 2008.	
	Data Set Abstrac	The PHX Atmospheric Lidar Profiles product contains	raw (volts and counts) laser scatterin from wavelengths. The range data is p nting an accumulation or average over	ng atmospheric provided as a ti er 1.28-20.24 si	me series of profiles between 5 ec. Supplemental data of
	Search/Access Data	Atmospheres Mars Archive Phoenix Analyst Notebook PHX LIDAR RDR Volume PHLD_1XXX			
	Additional Inform	nation			
	Mission Information	PHOENIX			
	Data Set Information	PHX-M-MET-3-L-RDR-V1.0			
	Instrument Host Information	РНХ			
	Instrument Information	LIDAR			
	Target Information	MARS			
	USA.g	Privacy / Copyright Freedom of Information Act		NASA	Webmaster: PDS Operator NASA Official: William Knop Last updated; October 2012
Comments	Results me	et test successful criteria			
Date of Testing	2014.04.09				
Test Personnel	Richard Cl	nen			

4 Anomalies

PDS uses the JIRA tracking system (<u>http://www.atlassian.com/software/jira</u>) to capture issues such as those found during testing. The full list of issues, including those raised by sources other than testing, is located at:

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

4.1 Major Issues

None

4.2 Open anomalies

None

5 Requirements Traceability

This following lists the requirement ID, the system component of the requirement, the ID of the test case in Section 3 that tests the requirement, and the status of the test. Note that many requirements will not be tested by the test cases specified in this test document. Those testing are covered by test cases specified in the Build 4b Test Document, which is performed by the EN Integration and Test team.

Requirement #	System Component	Test case ID	Test Status
L5.GEN.1	General System	Applicable to System Test only	Status
L5.GEN.2	General System	Applicable to System Test only	
L5.GEN.3	General System	Applicable to System Test only	
L5.GEN.4	General System	Applicable to System Test only	
L5.GEN.5	General System	Applicable to System Test only	
L5.GEN.6	General System	Applicable to System Test only	
L5.GEN.7	General System	Applicable to System Test only	
L5.GEN.8	General System	Applicable to System Test only	
L5.GEN.9	General System	Applicable to System Test only	
L5.GEN.10	General System	Applicable to System Test only	
L5.GEN.11	General System	Applicable to System Test only	
L5.HVT.1	, Harvest Tool	NODESTEST.3	pass
L5.HVT.2	Harvest Tool	NODESTEST.3	pass
L5.HVT.3	Harvest Tool	Applicable to System Test only	
L5.HVT.4	Harvest Tool	NODESTEST.3	pass
L5.HVT.5	Harvest Tool	NODESTEST.3	pass
L5.HVT.6	Harvest Tool	NODESTEST.3	pass
L5.HVT.7	Harvest Tool	NODESTEST.3	pass
L5.HVT.8	Harvest Tool	NODESTEST.3	pass
L5.PRP.DE.1	Prep: Design Tool	NODESTEST.1	pass
L5.PRP.DE.2	Prep: Design Tool	NODESTEST.1	pass
L5.PRP.DE.3	Prep: Design Tool	NODESTEST.1	pass
L5.PRP.DE.4	Prep: Design Tool	NODESTEST.1	pass
L5.PRP.DE.5	Prep: Design Tool	NODESTEST.1	pass
L5.PRP.DE.6	Prep: Design Tool	NODESTEST.1	pass
L5.PRP.DE.7	Prep: Design Tool	NODESTEST.1	pass
L5.PRP.VA.1	Prep: Validation Tool	NODESTEST.2	pass
L5.PRP.VA.2	Prep: Validation Tool	NODESTEST.2	pass
L5.PRP.VA.3	Prep: Validation Tool	NODESTEST.2	pass
L5.PRP.VA.4	Prep: Validation Tool	Applicable to System Test only	
L5.PRP.VA.5	Prep: Validation Tool	NODESTEST.2	pass
L5.PRP.VA.6	Prep: Validation Tool	NODESTEST.2	pass
L5.PRP.VA.7	Prep: Validation Tool	NODESTEST.2	pass
L5.PRP.VA.8	Prep: Validation Tool	Applicable to System Test only	
L5.PRP.VA.9	Prep: Validation Tool	NODESTEST.2	pass
L5.PRP.VA.10	Prep: Validation Tool	Applicable to System Test only	
L5.REG.1	Registry Service	NODESTEST.3	pass
L5.REG.2	Registry Service	NODESTEST.3	pass
L5.REG.3	Registry Service	Applicable to System Test only	

L5.REG.4	Registry Service	NODESTEST.3	pass
L5.REG.5	Registry Service	Applicable to System Test only	
L5.REG.6	Registry Service	NODESTEST.3	pass
L5.REG.7	Registry Service	Applicable to System Test only	
L5.REG.8	Registry Service	NODESTEST.3	pass
L5.REG.9	Registry Service	Applicable to System Test only	
L5.REG.10	Registry Service	Applicable to System Test only	
L5.REG.11	Registry Service	Applicable to System Test only	
L5.REG.12	Registry Service	Applicable to System Test only	
L5.REG.13	Registry Service	Applicable to System Test only	
L5.REG.14	Registry Service	Applicable to System Test only	
L5.REG.15	Registry Service	Applicable to System Test only	
L5.REG.16	Registry Service	Applicable to System Test only	
L5.RPT.1	Report Service	Applicable to System Test only	
L5.RPT.2	Report Service	Applicable to System Test only	
L5.RPT.3	Report Service	Applicable to System Test only	
L5.RPT.4	Report Service	Applicable to System Test only	
L5.RPT.5	Report Service	Applicable to System Test only	
L5.RPT.6	Report Service	Applicable to System Test only	
L5.RPT.7	Report Service	Applicable to System Test only	
L5.RPT.8	Report Service	Applicable to System Test only	
L5.RPT.9	Report Service	Applicable to System Test only	
L5.RPT.10	Report Service	Applicable to System Test only	
L5.RPT.11	Report Service	Applicable to System Test only	
L5.SCH.1	Search Service	NODESTEST.4	pass
L5.SCH.2	Search Service	Applicable to System Test only	puss
L5.SCH.3	Search Service	Applicable to System Test only	
L5.SCH.4	Search Service	Applicable to System Test only	
L5.SCH.5	Search Service	Applicable to System Test only	
L5.SCH.6	Search Service	NODESTEST.4	0.255
	Search Service		pass
L5.SCH.7		NODESTEST.4	pass
L5.SCH.8	Search Service	NODESTEST.4	pass
L5.SCH.9	Search Service	Applicable to System Test only	
L5.SCH.10	Search Service	NODESTEST.4	pass
L5.SCH.11	Search Service	NODESTEST.4	pass
L5.SCH.12	Search Service	Applicable to System Test only	
L5.SCH.13	Search Service	Applicable to System Test only	
L5.SEC.1	Security Service	Applicable to System Test only	
L5.SEC.2	Security Service	Applicable to System Test only	
L5.SEC.3	Security Service	Applicable to System Test only	
L5.SEC.4	Security Service	Applicable to System Test only	
L5.SEC.5	Security Service	Applicable to System Test only	
L5.SEC.6	Security Service	Applicable to System Test only	
L5.SEC.7	Security Service	Applicable to System Test only	
L5.TRS.1	Transport Service	Applicable to System Test only	
L5.TRS.2	Transport Service	Applicable to System Test only	
L5.TRS.3	Transport Service	Applicable to System Test only	
L5.TRS.4	Transport Service	Applicable to System Test only	
L5.TRS.5	Transport Service	Applicable to System Test only	
L5.TRS.6	Transport Service	Applicable to System Test only	
4.2.4	Catalog Tool	Applicable to System Test only	

PDS4 Build 4b Node Test Document

4.2.4	Catalog Tool	Applicable to System Test only	
4.2.4	Catalog Tool	Applicable to System Test only	
4.2.4	Harvest Tool	Applicable to System Test only	
L4.PRP.2	Prep: Generate Tool	Applicable to System Test only	
L4.PRP.4	Prep: Transform Tool	Applicable to System Test only	
1.3.3	PDS Requirements	Applicable to System Test only	

6 Test Data

Test data has been posted onto <u>http://pds-engineering.jpl.nasa.gov/index.cfm?pid=145&cid=194</u> as "PDS4 Example Products (.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 PDS4 - PDS4 Project PDS MC - PDS Management Council SDD - Software Design Document SRD - Software Requirements Document