



# B15.0 Runs (Summary) 11/18/2024

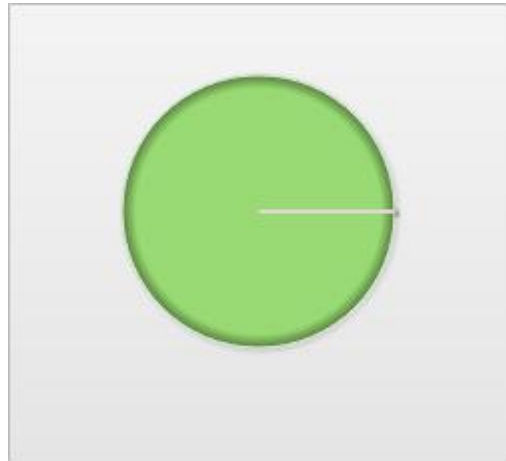
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Project: Planetary Data System (PDS)

By Vivian Tang, 11/18/2024 11:19 AM

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**Run: PDS B15.0 Test Plan and Results (Manual Testing)**



**21 Passed**  
100% set to Passed

**0 Blocked**  
0% set to Blocked

**0 Retest**  
0% set to Retest

**0 Failed**  
0% set to Failed

**0 Partial Pass**  
0% set to Partial Pass

**0 Conditional Pass**  
0% set to Conditional Pass

**0 Deprecated**  
0% set to Deprecated

**100%**  
passed

0 / 21 untested (0%).

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Created On 8/5/2024

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Completed No

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# Activity



11/18/2024 - 11/18/2024:

- 1 Passed**  
50% set to Passed
- 0 Blocked**  
0% set to Blocked
- 0 Retest**  
0% set to Retest
- 1 Failed**  
50% set to Failed
- 0 Partial Pass**  
0% set to Partial Pass
- 0 Conditional Pass**  
0% set to Conditional Pass
- 0 Deprecated**  
0% set to Deprecated

Monday, November 18, 2024

Passed

harvest#127 ref\_lid\_\* fields are not added to the Registry schema prior to

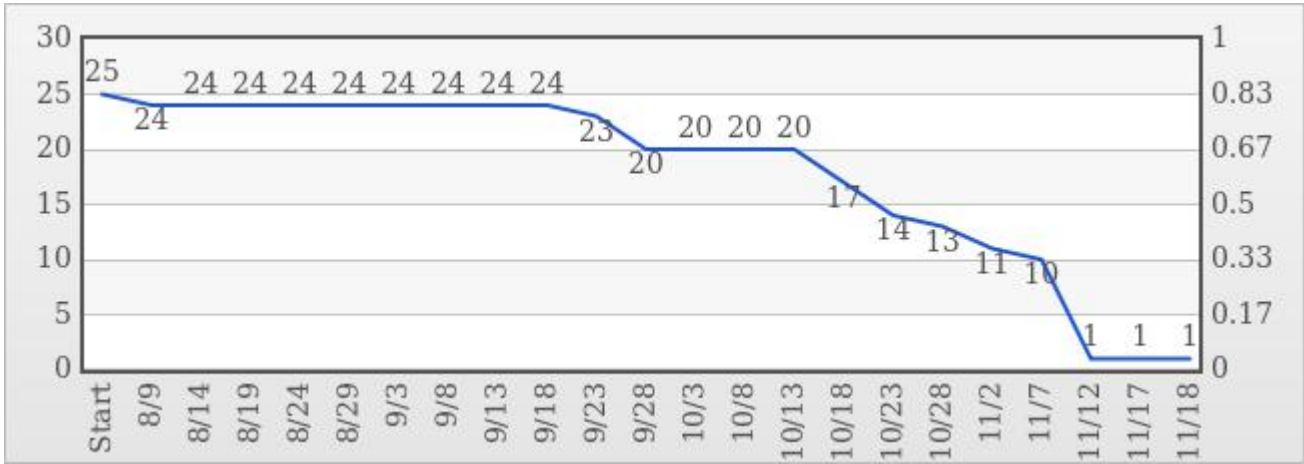
Tested by C. E. Suh

Failed

harvest#127 ref\_lid\_\* fields are not added to the Registry schema prior to

Tested by C. E. Suh

# Progress



Since 8/5/2024:

- Remaining Tests** (Blue): 96% of tests completed.
- Remaining Effort** (Red): Forecast not available.
- Ideal Progress** (Grey): Forecast not available.

## Forecasts & Estimates



Based on the current activity and forecasts, the projected completion date for the test run(s) is:

**Unknown**  
Forecast not possible



The test run(s) were started **15 weeks ago** (8/5/2024).

Completed:96%(24/25)  
Elapsed:0h 0m  
Tests / day: 0  
Hours / day:n/a

Metric

By Estimate

By Forecast

Completed

0h 0m

n/a

To-do

0h 0m

n/a

Total

0h 0m

n/a

## Tests & Results

### Data-upload-manager (8)

ID	Title	Status
T8950582	<a href="#">data-upload-manager#50</a> As a user, I want to include a MD5 checksum in the the user-defined object metadata being sent in t	Passed
T8950583	<a href="#">data-upload-manager#87</a> As a user, I want to include the modification datetime in the the user-defined object metadata being	Passed
T8950586	<a href="#">data-upload-manager#92</a> As a user, I want to skip upload of files already in S3 (nucleus staging bucket)	Passed
T8950587	<a href="#">data-upload-manager#98</a> As a user, I want an end summary report in logs to show statistics of files uploaded	Passed
T8987174	<a href="#">data-upload-manager#136</a> Backoff/Retry logic not firing for certain error codes	Passed
T8950584	<a href="#">data-upload-manager#110</a> DUM Client does not properly sanitize double-quotes from INI config	Passed
T8950585	<a href="#">data-upload-manager#116</a> DUM Lambda Service can return pre-signed S3 URL's to non-existing buckets	Passed
T8987175	<a href="#">data-upload-manager#135</a> DUM Client script does not respect configured logging level after a transfer failure/retry	Passed

### Deep-archive (2)

ID	Title	Status
T8987178	<a href="#">deep-archive#178</a> Issues with manifests after multiple slash update fix (#162)	Passed
T8950588	<a href="#">deep-archive#162</a> As a data custodian, I want the Deep Archive to work around invalid URLs in the Registry	Passed

### Harvest (2)

ID	Title	Status
T8950589	<a href="#">harvest#127</a> ref_lid_* fields are not added to the Registry schema prior to load	Passed

T8950590 [harvest#158](#) As a data custodian, I want to load URLs / file paths without unnecessary / additional slashes

Passed

#### Planetarydata.org (1)

ID	Title	Status
T8987182	<a href="#">planetarydata.org#25</a> Typo	Passed

#### Portal-tasks (3)

ID	Title	Status
T8987185	<a href="#">portal-tasks#95</a> Broken links for 1.21.0.0 and 1.22.0.0	Passed
T8987184	<a href="#">portal-tasks#96</a> Bug with Tool Registry on upgrade OL8 OS	Passed
T9002863	<a href="#">portal-tasks#97</a> Tool Registry no longer works with new Registry Servlet	Passed

#### Registry (1)

ID	Title	Status
T8987204	<a href="#">registry#276</a> harvest created archive_status as an array and registry-mgr updates it as a string	Passed

#### Registry-client (1)

ID	Title	Status
T8950592	<a href="#">registry-client#3</a> pypi installation is broken	Passed

#### Registry-mgr (2)

ID	Title	Status
T8987267	<a href="#">registry-mgr#78</a> set-archive-status and delete-data subcommand do not work on OpenSearch serverless Registry	Passed



T8987268 registry-mgr#69 As a user, I want to set archive-status using packageld

Passed

**S3-browser-cloudfront** (1)

ID	Title	Status
T8987323	s3-browser-cloudfront#22 As a data user, I want to view ODR S3 bucket with S3 browser app	Passed

Generated with TestRail [test management](#) software - 8.0.4.7036

Report: Runs (Summary), by Gurock Software (Version 1)

# R48854: Peppi Automated Tests Run

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Created On 11/5/2024

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Completed No

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Passed	Blocked	Untested	Retest	Failed
100% (16/16)	0% (0/16)	0% (0/16)	0% (0/16)	0% (0/16)
Partial Pass	Conditional Pass	Deprecated		
0% (0/16)	0% (0/16)	0% (0/16)		

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## Test Cases

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ID	Title	Assigned To	Status	Status
T9007373	test_products_of_collection			Passed
T9007374	test_get			Passed
T9007375	test_filter			Passed
T9007376	test_has_investigation			Passed
T9007377	test_has_instrument_host			Passed
T9007378	test_after			Passed
T9007379	test_has_processing_level			Passed
T9007380	test_collections_with_type			Passed
T9007381	test_has_target			Passed
T9007382	test_before			Passed
T9007383	test_all			Passed
T9007384	test_collections			Passed
T9007385	test_has_instrument			Passed
T9007386	test_bundles			Passed
T9007387	test_before_and_has_target			Passed
T9007388	test_observationals			Passed

# R48398: Registry requirements: Automated Test Run 2024-09-16 15:13:57

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Created On 9/16/2024

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Completed No

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Passed	Blocked	Untested	Retest	Failed
85% (41/48)	0% (0/48)	15% (7/48)	0% (0/48)	0% (0/48)
Partial Pass	Conditional Pass	Deprecated		
0% (0/48)	0% (0/48)	0% (0/48)		

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## Test Cases

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**Test Cases** 22

ID	Title	Assigned To	Status
T8985365	As a user, I want to all metadata attributes to be searchable		Passed
T8985366	Get all searchable properties from the registry api		Passed
T8985367	List product classes usable in the /classes/{class} end-point		Untested
T8985368	Select fields in response for lid/lidvid resolution		Passed
T8985369	Filter product on time using ISO8601 string		Passed
T8985370	As an API user, I want to be able to use the API for free text search		Untested
T8985371	Resolve a lid with the latest lidvid (without /latest suffix)		Passed
T8985372	Resolve lid with all related lidvid (/all suffix)		Passed
T8985373	Search by processing level		Passed
T8985374	Search product by target		Passed
T8985375	Search by reference		Passed

T8985376	Search for member-of a products, with kvp response	Passed
T8985377	Search for a product knowing its DOI	Passed
T8985378	get application/json response format by default if I request an API url in my browser	Untested
T8985379	NASA-PDS/registry-sweepers#58 legacy registry synchronization	Untested
T8985380	Csv response, single product, use   as inner list separator	Passed
T8985381	As a user, I want to get a product description given a lidvid	Passed
T8985382	As a user, I want to get the latest version of a product given a lid	Passed
T8985383	As a user, I want to get all product versions associated to one lid	Passed
T8985389	As a user, I want to receive metadata only in the API responses (no binary blobs)	Passed
T8985396	Welcome page	Passed

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T8985412 Get Json format from in  
browser request

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Passed

## Membership 8

<https://github.com/NASA-PDS/registry-api>

ID	Title	Assigned To	Status	Status
T8985384	registry-api#223 products/{id}/members			Passed
T8985385	registry-api#453 products/{id}/members/members			Passed
T8985386	registry-api#451/452 products/{id}/member-of			Passed
T8985387	registry-api#454 products/{id}/member-of/member-of			Passed
T8985388	registry-api#484 products/{id}/members default to latest-only			Passed
T8985390	registry-api#485 products/{id}/members/members default to latest-only			Passed
T8985391	registry-api#486 products/{id}/member-of default to latest-only			Passed
T8985392	registry-api#487 products/{id}/member-of/member-of default to latest-only			Passed



**Classes** 3

API endpoints dealing with the /classes route prefix

ID	Title	Assigned To	Status	Status
T8985394	registry-api#461 classes basic behaviour			Untested
T8985395	registry-api#511 classes/{class} basic behaviour			Untested
T8985393	registry-api#488 classes/{class} default to latest-only			Untested

## Querystrings 15

Behaviour related to parsing and application of querystring (q=) subsetting

ID	Title	Assigned To	Status	Status
T8985397	registry-api#495 querystring supports AND			Passed
T8985398	registry-api#495 querystring supports OR			Passed
T8985399	registry-api#495 querystring supports NOT			Passed
T8985400	registry-api#495 querystring supports lowercase			Passed
T8985401	registry-api#494 querystring supports EQ			Passed
T8985402	registry-api#494 querystring supports NE			Passed
T8985403	registry-api#494 querystring supports GT			Passed
T8985404	registry-api#494 querystring supports LT			Passed
T8985405	registry-api#494 querystring supports GE			Passed
T8985406	registry-api#494 querystring supports LE			Passed

T8985407	registry-api#493 query string on /classes/{class} end points	Passed
T8985408	registry-api#492 query string on /products/{id}/member- of/member-of	Passed
T8985409	registry-api#491 queryString on /products/{identifier}/member- of	Passed
T8985410	registry-api#491 queryString on /products/{id}/members/members	Passed
T8985411	registry-api#298 queryString on /products/{id}/members	Passed

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gopherProxySet: false  
awt.toolkit: sun.lwawt.macosx.LWCToolkit  
java.specification.version: 11  
sun.cpu.isalist:  
sun.jnu.encoding: UTF-8  
java.class.path: /Users/loubrieu/git/validate/target/test-classes:/Users/loubrieu/git/validate/target/classes:/Users/loubrieu/.m2/repository/org/verapdf/validation-model-jakarta/1.26.1/validation-model-jakarta-1.26.1.jar:/Users/loubrieu/.m2/repository/org/verapdf/parser/1.26.1/parser-1.26.1.jar:/Users/loubrieu/.m2/repository/org/verapdf/pdf-model/1.26.1/pdf-model-1.26.1.jar:/Users/loubrieu/.m2/repository/org/verapdf/core-jakarta/1.26.1/core-jakarta-1.26.1.jar:/Users/loubrieu/.m2/repository/org/verapdf/verapdf-xmp-core-jakarta/1.26.1/verapdf-xmp-core-jakarta-1.26.1.jar:/Users/loubrieu/.m2/repository/org/mozilla/rhino/1.7.13/rhino-1.7.13.jar:/Users/loubrieu/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/loubrieu/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/loubrieu/.m2/repository/org/glassfish/jaxb/txw2/4.0.2/txw2-4.0.2.jar:/Users/loubrieu/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/loubrieu/.m2/repository/net/java/dev/stax-utils/stax-utils/20070216/stax-utils-20070216.jar:/Users/loubrieu/.m2/repository/org/verapdf/feature-reporting-jakarta/1.26.1/feature-reporting-jakarta-1.26.1.jar:/Users/loubrieu/.m2/repository/org/verapdf/metadata-fixer-jakarta/1.26.1/metadata-fixer-jakarta-1.26.1.jar:/Users/loubrieu/.m2/repository/net/sf/saxon/Saxon-HE/12.5/Saxon-HE-12.5.jar:/Users/loubrieu/.m2/repository/org/xmlresolver/xmlresolver/5.2.2/xmlresolver-5.2.2.jar:/Users/loubrieu/.m2/repository/org/xmlresolver/xmlresolver/5.2.2/xmlresolver-5.2.2-data.jar:/Users/loubrieu/.m2/repository/commons-cli/commons-cli/1.9.0/commons-cli-1.9.0.jar:/Users/loubrieu/.m2/repository/commons-configuration/commons-configuration/1.10/commons-configuration-1.10.jar:/Users/loubrieu/.m2/repository/commons-collections/commons-collections/3.2.2/commons-collections-3.2.2.jar:/Users/loubrieu/.m2/repository/commons-logging/commons-logging/1.3.4/commons-logging-1.3.4.jar:/Users/loubrieu/.m2/repository/commons-lang/commons-lang/2.6/commons-lang-

2.6.jar:/Users/loubrieu/.m2/repository/commons-digester/commons-digester/2.1/commons-digester-  
2.1.jar:/Users/loubrieu/.m2/repository/commons-beanutils/commons-beanutils/1.8.3/commons-beanutils-  
1.8.3.jar:/Users/loubrieu/.m2/repository/com/google/code/gson/gson/2.11.0/gson-  
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io/commons-io/2.17.0/commons-io-2.17.0.jar:/Users/loubrieu/.m2/repository/org/slf4j/slf4j-nop/2.0.16/slf4j-nop-  
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2.0.16.jar:/Users/loubrieu/.m2/repository/com/jamesmurty/Utils/java-xmlbuilder/1.3/java-xmlbuilder-  
1.3.jar:/Users/loubrieu/.m2/repository/net/iHarder/base64/2.3.8/base64-2.3.8.jar:/Users/loubrieu/.m2/repository/commons-  
chain/commons-chain/1.2/commons-chain-1.2.jar:/Users/loubrieu/.m2/repository/org/apache/commons/commons-  
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3.0.0.jar:/Users/loubrieu/.m2/repository/gov/nasa/pds/vicario/48.0.3-SNAPSHOT/vicario-48.0.3-  
SNAPSHOT.jar:/Users/loubrieu/.m2/repository/gov/nasa/pds/pds3-product-tools/4.4.1/pds3-product-tools-  
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java.vm.compressedOopsMode: Zero based  
line.separator:  
  
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sun.management.compiler: HotSpot 64-Bit Tiered Compilers  
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java.vm.name: Java HotSpot(TM) 64-Bit Server VM  
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java.vendor.url.bug: <http://bugreport.java.com/bugreport/>



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java.class.version: 55.0

Created On 11/8/2024

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Completed No

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Passed	Blocked	Untested	Retest	Failed
100% (228/228)	0% (0/228)	0% (0/228)	0% (0/228)	0% (0/228)
Partial Pass	Conditional Pass	Deprecated		
0% (0/228)	0% (0/228)	0% (0/228)		

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ID	Title	Assigned To	Status	Status
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T9009363	NASA-PDS validate#1008			Passed
T9009364	NASA-PDS validate#1028			Passed
T9009365	NASA-PDS validate#816-1			Passed
T9009366	NASA-PDS validate#992-1			Passed
T9009367	NASA-PDS validate#823-1			Passed
T9009368	NASA-PDS validate#816			Passed
T9009369	NASA-PDS validate#822			Passed
T9009370	NASA-PDS validate#823			Passed
T9009371	NASA-PDS validate#816-2			Passed
T9009372	NASA-PDS validate#824			Passed
T9009373	NASA-PDS validate#857			Passed
T9009374	NASA-PDS validate#831			Passed
T9009375	NASA-PDS validate#824-1			Passed
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T9009380	NASA-PDS validate#831-1	Passed
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T9009382	NASA-PDS validate#873	Passed
T9009383	NASA-PDS validate#873-1	Passed
T9009384	NASA-PDS validate#902-1	Passed
T9009385	NASA-PDS validate#905	Passed
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T9009387	NASA-PDS validate#915	Passed
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T9009419	NASA-PDS validate#614	Passed
T9009420	NASA-PDS validate#599	Passed
T9009421	NASA-PDS validate#597	Passed
T9009422	NASA-PDS validate#597-1	Passed
T9009423	NASA-PDS validate#597-2	Passed
T9009424	NASA-PDS validate#499	Passed
T9009425	NASA-PDS validate#535-1	Passed
T9009426	NASA-PDS validate#499-1	Passed
T9009427	NASA-PDS validate#480	Passed
T9009428	NASA-PDS validate#531-1	Passed
T9009429	NASA-PDS validate#531	Passed
T9009430	NASA-PDS validate#535	Passed
T9009431	NASA-PDS validate#514	Passed

T9009432	NASA-PDS validate#529	Passed
T9009433	NASA-PDS validate#480-1	Passed
T9009434	NASA-PDS validate#480-2	Passed
T9009435	NASA-PDS validate#467	Passed
T9009436	NASA-PDS validate#467-1	Passed
T9009437	NASA-PDS validate#533	Passed
T9009438	NASA-PDS validate#482	Passed
T9009439	NASA-PDS validate#444	Passed
T9009440	NASA-PDS validate#482-2	Passed
T9009441	NASA-PDS validate#482-3	Passed
T9009442	NASA-PDS validate#482-4	Passed
T9009443	NASA-PDS validate#482-1	Passed
T9009444	NASA-PDS validate#482-5	Passed
T9009445	NASA-PDS validate#469	Passed
T9009446	NASA-PDS validate#469-1	Passed
T9009447	NASA-PDS validate#190	Passed
T9009448	NASA-PDS validate#294	Passed
T9009449	NASA-PDS validate#469-2	Passed

T9009450	NASA-PDS validate#291	Passed
T9009451	NASA-PDS validate#291-1	Passed
T9009452	NASA-PDS validate#432	Passed
T9009453	NASA-PDS validate#294-1	Passed
T9009454	NASA-PDS validate#173-1	Passed
T9009455	NASA-PDS validate#173	Passed
T9009456	NASA-PDS validate#5	Passed
T9009457	NASA-PDS validate#149 #2	Passed
T9009458	NASA-PDS validate#149 #1	Passed
T9009459	NASA-PDS validate#5-1	Passed
T9009460	NASA-PDS validate#11	Passed
T9009461	NASA-PDS validate#11-1	Passed
T9009462	NASA-PDS validate#11-2	Passed
T9009463	NASA-PDS validate#153	Passed
T9009464	NASA-PDS validate#17-1	Passed
T9009465	NASA-PDS validate#17	Passed
T9009466	NASA-PDS validate#230	Passed
T9009467	NASA-PDS validate#6	Passed

T9009468	NASA-PDS validate#51-1	Passed
T9009469	NASA-PDS validate#51	Passed
T9009470	NASA-PDS validate#240	Passed
T9009471	NASA-PDS validate#15	Passed
T9009472	NASA-PDS validate#230-1	Passed
T9009473	NASA-PDS validate#240-1	Passed
T9009474	NASA-PDS validate#137	Passed
T9009475	NASA-PDS validate#28	Passed
T9009476	NASA-PDS validate#9	Passed
T9009477	NASA-PDS validate#9-1	Passed
T9009478	NASA-PDS validate#137-1	Passed
T9009479	NASA-PDS validate#9-3	Passed
T9009480	NASA-PDS validate#9-2	Passed
T9009481	NASA-PDS validate#62-1	Passed
T9009482	NASA-PDS validate#62	Passed
T9009483	NASA-PDS validate#9-4	Passed
T9009484	NASA-PDS validate#9-5	Passed
T9009485	NASA-PDS validate#50	Passed



T9009486	NASA-PDS validate#281-3	Passed
T9009487	NASA-PDS validate#281-5	Passed
T9009488	NASA-PDS validate#209	Passed
T9009489	NASA-PDS validate#281-4	Passed
T9009490	NASA-PDS validate#281-1	Passed
T9009491	NASA-PDS validate#209-1	Passed
T9009492	NASA-PDS validate#281	Passed
T9009493	NASA-PDS validate#281-2	Passed
T9009494	NASA-PDS validate#50-1	Passed
T9009495	NASA-PDS validate#209-2	Passed
T9009496	NASA-PDS validate#188	Passed
T9009497	NASA-PDS validate#310	Passed
T9009498	NASA-PDS validate#217	Passed
T9009499	NASA-PDS validate#210	Passed
T9009500	NASA-PDS validate#298-1	Passed
T9009501	NASA-PDS validate#298	Passed
T9009502	NASA-PDS validate#217-2	Passed
T9009503	NASA-PDS validate#217-1	Passed

T9009504	NASA-PDS validate#310-1	Passed
T9009505	NASA-PDS validate#57	Passed
T9009506	NASA-PDS validate#57-1	Passed
T9009507	NASA-PDS validate#164	Passed
T9009508	NASA-PDS validate#57-3	Passed
T9009509	NASA-PDS validate#303	Passed
T9009510	NASA-PDS validate#325	Passed
T9009511	NASA-PDS validate#335	Passed
T9009512	NASA-PDS validate#164-1	Passed
T9009513	NASA-PDS validate#335-1	Passed
T9009514	NASA-PDS validate#57-2	Passed
T9009515	NASA-PDS validate#303-1	Passed
T9009516	NASA-PDS validate#328-1	Passed
T9009517	NASA-PDS validate#334-1	Passed
T9009518	NASA-PDS validate#308	Passed
T9009519	NASA-PDS validate#345-1	Passed
T9009520	NASA-PDS validate#357	Passed
T9009521	NASA-PDS validate#344	Passed

T9009522	NASA-PDS validate#308-1	Passed
T9009523	NASA-PDS validate#345	Passed
T9009524	NASA-PDS validate#334	Passed
T9009525	NASA-PDS validate#328	Passed
T9009526	NASA-PDS validate#357-1	Passed
T9009527	NASA-PDS validate#357-2	Passed
T9009528	NASA-PDS validate#357-3	Passed
T9009529	NASA-PDS validate#356-1	Passed
T9009530	NASA-PDS validate#364-1	Passed
T9009531	NASA-PDS validate#364	Passed
T9009532	NASA-PDS validate#343	Passed
T9009533	NASA-PDS validate#356	Passed
T9009534	NASA-PDS validate#343-1	Passed
T9009535	NASA-PDS validate#343-2	Passed
T9009536	NASA-PDS validate#366	Passed
T9009537	NASA-PDS validate#366-2	Passed
T9009538	NASA-PDS validate#366-1	Passed
T9009539	NASA-PDS validate#375	Passed

T9009540	NASA-PDS validate#380-1	Passed
T9009541	NASA-PDS validate#368	Passed
T9009542	NASA-PDS validate#373	Passed
T9009543	NASA-PDS validate#379	Passed
T9009544	NASA-PDS validate#380	Passed
T9009545	NASA-PDS validate#373-1	Passed
T9009546	NASA-PDS validate#392	Passed
T9009547	NASA-PDS validate#392-2	Passed
T9009548	NASA-PDS validate#392-1	Passed
T9009549	NASA-PDS validate#367	Passed
T9009550	NASA-PDS validate#367-1	Passed
T9009551	NASA-PDS validate#367-5	Passed
T9009552	NASA-PDS validate#367-4	Passed
T9009553	NASA-PDS validate#367-2	Passed
T9009554	NASA-PDS validate#367-3	Passed
T9009555	NASA-PDS validate#367-6	Passed
T9009556	NASA-PDS validate#367-7	Passed
T9009557	NASA-PDS validate#367-8	Passed

T9009558	NASA-PDS validate#367-9	Passed
T9009559	NASA-PDS validate#367-10	Passed
T9009560	NASA-PDS validate#416	Passed
T9009561	NASA-PDS validate#416-2	Passed
T9009562	NASA-PDS validate#408	Passed
T9009563	NASA-PDS validate#416-1	Passed
T9009564	NASA-PDS validate#376	Passed
T9009565	NASA-PDS validate#367-11	Passed
T9009566	NASA-PDS validate#401	Passed
T9009567	NASA-PDS validate#416-3	Passed
T9009568	NASA-PDS validate#349	Passed
T9009569	NASA-PDS validate#349-1	Passed
T9009570	NASA-PDS validate#429	Passed
T9009571	NASA-PDS validate#419	Passed
T9009572	NASA-PDS validate#424	Passed
T9009573	NASA-PDS validate#447	Passed
T9009574	NASA-PDS validate#435	Passed
T9009575	NASA-PDS validate#297	Passed

T9009576	NASA-PDS validate#424-1	Passed
T9009577	NASA-PDS validate#297-1	Passed
T9009578	NASA-PDS validate#299-1	Passed
T9009579	NASA-PDS validate#299	Passed
T9009580	NASA-PDS validate#87	Passed
T9009581	NASA-PDS validate#292-1	Passed
T9009582	NASA-PDS validate#292	Passed
T9009583	NASA-PDS validate#7	Passed
T9009584	NASA-PDS validate#292-2	Passed
T9009585	NASA-PDS validate#292-3	Passed
T9009586	NASA-PDS validate#292-4	Passed
T9009587	NASA-PDS validate#292-5	Passed
T9009588	NASA-PDS validate#292-6	Passed
T9009589	NASA-PDS validate#292-7	Passed