

R53351: B17 PDS4 Information Model LDDTool Automated Tests Run**B17**

java.specification.version: 17
sun.jnu.encoding: UTF-8
java.class.path: /Users/csu/ Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-
lddtool/target/test-classes:/Users/csu/ Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-
model/model-lddtool/target/classes:/Users/csu/.m2/repository/org/slf4j/slf4j-simple/2.0.13/slf4j-simple-
2.0.13.jar:/Users/csu/.m2/repository/org/slf4j/slf4j-api/2.0.13/slf4j-api-
2.0.13.jar:/Users/csu/.m2/repository/gov/nasa/pds/model/model-dmdocument/16.1.3/model-dmdocument-
16.1.3.jar:/Users/csu/.m2/repository/org/codehaus/plexus/plexus-utils/3.5.0/plexus-utils-
3.5.0.jar:/Users/csu/.m2/repository/javax/json/javax.json-api/1.1.4/javax.json-api-
1.1.4.jar:/Users/csu/.m2/repository/com/googlecode/json-simple/json-simple/1.1.1/json-simple-
1.1.1.jar:/Users/csu/.m2/repository/javax/servlet/javax.servlet-api/4.0.1/javax.servlet-api-
4.0.1.jar:/Users/csu/.m2/repository/commons-io/commons-io/2.16.1/commons-io-
2.16.1.jar:/Users/csu/.m2/repository/net/sourceforge/argparse4j/argparse4j/0.9.0/argparse4j-
0.9.0.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter/5.11.3/junit-jupiter-
5.11.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-api/5.11.3/junit-jupiter-api-
5.11.3.jar:/Users/csu/.m2/repository/org/opentest4j/opentest4j/1.3.0/opentest4j-
1.3.0.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-commons/1.11.3/junit-platform-commons-
1.11.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-params/5.11.3/junit-jupiter-params-
5.11.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-engine/5.11.3/junit-jupiter-engine-
5.11.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-java/7.20.1/cucumber-java-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-core/7.20.1/cucumber-core-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin/7.20.1/cucumber-gherkin-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin-messages/7.20.1/cucumber-gherkin-
messages-7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/gherkin/28.0.0/gherkin-
28.0.0.jar:/Users/csu/.m2/repository/io/cucumber/messages/24.1.0/messages-
24.1.0.jar:/Users/csu/.m2/repository/io/cucumber/testng-xml-formatter/0.2.0/testng-xml-formatter-
0.2.0.jar:/Users/csu/.m2/repository/io/cucumber/query/12.2.0/query-
12.2.0.jar:/Users/csu/.m2/repository/io/cucumber/tag-expressions/6.1.0/tag-expressions-
6.1.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-expressions/17.1.0/cucumber-expressions-
17.1.0.jar:/Users/csu/.m2/repository/io/cucumber/datatable/7.20.1/datatable-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-plugin/7.20.1/cucumber-plugin-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/docstring/7.20.1/docstring-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/html-formatter/21.7.0/html-formatter-
21.7.0.jar:/Users/csu/.m2/repository/io/cucumber/junit-xml-formatter/0.5.0/junit-xml-formatter-
0.5.0.jar:/Users/csu/.m2/repository/io/cucumber/ci-environment/10.0.1/ci-environment-
10.0.1.jar:/Users/csu/.m2/repository/org/apiguardian/apiguardian-api/1.1.2/apiguardian-api-
1.1.2.jar:/Users/csu/.m2/repository/org/junit/vintage/junit-vintage-engine/5.11.3/junit-vintage-engine-
5.11.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-engine/1.11.3/junit-platform-engine-
1.11.3.jar:/Users/csu/.m2/repository/junit/junit/4.13.2/junit-
4.13.2.jar:/Users/csu/.m2/repository/org/hamcrest/hamcrest-core/1.3/hamcrest-core-
1.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-junit/7.18.0/cucumber-junit-
7.18.0.jar:/Users/csu/.m2/repository/gov/nasa/pds/validate/4.1.0/validate-
4.1.0.jar:/Users/csu/.m2/repository/org/verapdf/validation-model-jakarta/1.28.2/validation-model-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/parser/1.28.2/parser-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/pdf-model/1.28.2/pdf-model-

1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/core-jakarta/1.28.2/core-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/verapdf-xmp-core-jakarta/1.28.2/verapdf-xmp-core-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/mozilla/rhino/1.7.13/rhino-
1.7.13.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-
4.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-
4.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/txw2/4.0.2/txw2-
4.0.2.jar:/Users/csu/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-
4.1.1.jar:/Users/csu/.m2/repository/net/java/dev/stax-utils/stax-utils/20070216/stax-utils-
20070216.jar:/Users/csu/.m2/repository/org/verapdf/feature-reporting-jakarta/1.28.2/feature-reporting-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/metadata-fixer-jakarta/1.28.2/metadata-fixer-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/net/sf/saxon/Saxon-HE/12.9/Saxon-HE-
12.9.jar:/Users/csu/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-
5.3.3.jar:/Users/csu/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-5.3.3-
data.jar:/Users/csu/.m2/repository/commons-cli/commons-cli/1.9.0/commons-cli-
1.9.0.jar:/Users/csu/.m2/repository/commons-configuration/commons-configuration/1.10/commons-configuration-
1.10.jar:/Users/csu/.m2/repository/commons-lang/commons-lang/2.6/commons-lang-
2.6.jar:/Users/csu/.m2/repository/commons-collections/commons-collections/3.2.2/commons-collections-
3.2.2.jar:/Users/csu/.m2/repository/commons-logging/commons-logging/1.3.6/commons-logging-
1.3.6.jar:/Users/csu/.m2/repository/org/apache/commons/commons-lang3/3.20.0/commons-lang3-
3.20.0.jar:/Users/csu/.m2/repository/commons-digester/commons-digester/2.1/commons-digester-
2.1.jar:/Users/csu/.m2/repository/commons-beanutils/commons-beanutils/1.8.3/commons-beanutils-
1.8.3.jar:/Users/csu/.m2/repository/com/google/code/gson/gson/2.13.2/gson-
2.13.2.jar:/Users/csu/.m2/repository/com/google/errorprone/error_prone_annotations/2.41.0/error_prone_annotatio
ns-2.41.0.jar:/Users/csu/.m2/repository/org/jsoup/jsoup/1.22.1/jsoup-
1.22.1.jar:/Users/csu/.m2/repository/org/slf4j/slf4j-nop/2.0.17/slf4j-nop-
2.0.17.jar:/Users/csu/.m2/repository/com/jamesmurty/Utils/java-xmlbuilder/1.3/java-xmlbuilder-
1.3.jar:/Users/csu/.m2/repository/net/ihtd/base64/2.3.8/base64-2.3.8.jar:/Users/csu/.m2/repository/commons-
chain/commons-chain/1.2/commons-chain-1.2.jar:/Users/csu/.m2/repository/org/apache/commons/commons-
compress/1.28.0/commons-compress-1.28.0.jar:/Users/csu/.m2/repository/commons-codec/commons-
codec/1.19.0/commons-codec-1.19.0.jar:/Users/csu/.m2/repository/com/google/guava/guava/33.5.0-jre/guava-
33.5.0-jre.jar:/Users/csu/.m2/repository/com/google/guava/failureaccess/1.0.3/failureaccess-
1.0.3.jar:/Users/csu/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-
guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-
guava.jar:/Users/csu/.m2/repository/org/jspecify/jspecify/1.0.0/jspecify-
1.0.0.jar:/Users/csu/.m2/repository/com/google/j2objc/j2objc-annotations/3.1/j2objc-annotations-
3.1.jar:/Users/csu/.m2/repository/xerces/xercesImpl/2.12.2/xercesImpl-2.12.2.jar:/Users/csu/.m2/repository/xml-
resolver/xml-resolver-patched/1.2.1/xml-resolver-patched-
1.2.1.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-core/2.25.4/log4j-core-
2.25.4.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-api/2.25.4/log4j-api-
2.25.4.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds4-jparser/3.1.0/pds4-jparser-
3.1.0.jar:/Users/csu/.m2/repository/xalan/xalan/2.7.3/xalan-
2.7.3.jar:/Users/csu/.m2/repository/xalan/serializer/2.7.3/serializer-
2.7.3.jar:/Users/csu/.m2/repository/oro/oro/2.0.8/oro-2.0.8.jar:/Users/csu/.m2/repository/javax/media/jai-
core/1.1.3/jai-core-1.1.3.jar:/Users/csu/.m2/repository/com/sun/media/jai-codec/1.1.3/jai-codec-
1.1.3.jar:/Users/csu/.m2/repository/com/google/code/findbugs/jsr305/3.0.2/jsr305-
3.0.2.jar:/Users/csu/.m2/repository/org/checkerframework/checker-qual/3.41.0/checker-qual-
3.41.0.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-core/4.0.5/jaxb-core-
4.0.5.jar:/Users/csu/.m2/repository/org/eclipse/angus/angus-activation/2.0.2/angus-activation-
2.0.2.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-xjc/4.0.5/jaxb-xjc-
4.0.5.jar:/Users/csu/.m2/repository/org/apache/commons/commons-csv/1.14.1/commons-csv-

1.14.1.jar:/Users/csu/.m2/repository/org/apache/commons/commons-text/1.10.0/commons-text-1.10.0.jar:/Users/csu/.m2/repository/org/apache/commons/commons-collections4/4.4/commons-collections4-4.4.jar:/Users/csu/.m2/repository/gov/nasa/gsfsc/heasarc/nom-tam-fits/1.21.2/nom-tam-fits-1.21.2.jar:/Users/csu/.m2/repository/com/github/spotbugs/spotbugs-annotations/4.9.4/spotbugs-annotations-4.9.4.jar:/Users/csu/.m2/repository/jakarta/annotation/jakarta.annotation-api/3.0.0/jakarta.annotation-api-3.0.0.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds3-product-tools/4.4.2/pds3-product-tools-4.4.2.jar:/Users/csu/.m2/repository/org/antlr/antlr/3.3/antlr-3.3.jar:/Users/csu/.m2/repository/org/antlr/antlr-runtime/3.3/antlr-runtime-3.3.jar:/Users/csu/.m2/repository/org/antlr/stringtemplate/3.2.1/stringtemplate-3.2.1.jar:/Users/csu/.m2/repository/antlr/antlr/2.7.7/antlr-2.7.7.jar:/Users/csu/.m2/repository/org/incava/java-diff/1.1.2/java-diff-1.1.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-databind/2.21.2/jackson-databind-2.21.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-annotations/2.21/jackson-annotations-2.21.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-core/2.21.2/jackson-core-2.21.2.jar:/Users/csu/.m2/repository/gov/nasa/pds/registry-common/2.3.0/registry-common-2.3.0.jar:/Users/csu/.m2/repository/org/elasticsearch/client/elasticsearch-rest-client/9.2.0/elasticsearch-rest-client-9.2.0.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpasyncclient/4.1.5/httpasyncclient-4.1.5.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpcore-nio/4.4.16/httpcore-nio-4.4.16.jar:/Users/csu/.m2/repository/org/json/json/20250517/json-20250517.jar:/Users/csu/.m2/repository/org/apache/tika/tika-core/3.2.2/tika-core-3.2.2.jar:/Users/csu/.m2/repository/jakarta/xml/bind/jakarta.xml.bind-api/4.0.5/jakarta.xml.bind-api-4.0.5.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-impl/4.0.5/jaxb-impl-4.0.5.jar:/Users/csu/.m2/repository/jakarta/activation/jakarta.activation-api/2.1.4/jakarta.activation-api-2.1.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/client5/httpclient5/5.6/httpclient5-5.6.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5/5.4/httpcore5-5.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5-h2/5.4/httpcore5-h2-5.4.jar:/Users/csu/.m2/repository/org/mp4parser/isoparser/1.9.56/isoparser-1.9.56.jar:/Users/csu/.m2/repository/org/aspectj/aspectjrt/1.9.7/aspectjrt-1.9.7.jar:/Users/csu/.m2/repository/org/opensearch/client/opensearch-java/3.8.0/opensearch-java-3.8.0.jar:/Users/csu/.m2/repository/org/eclipse/parsson/parsson/1.1.7/parsson-1.1.7.jar:/Users/csu/.m2/repository/jakarta/json/jakarta.json-api/2.1.3/jakarta.json-api-2.1.3.jar:/Users/csu/.m2/repository/jakarta/json/bind/jakarta.json.bind-api/2.0.0/jakarta.json.bind-api-2.0.0.jar:/Users/csu/.m2/repository/org/eclipse/yasson/2.0.2/yasson-2.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jakarta.json/2.0.0/jakarta.json-2.0.0-module.jar:/Users/csu/.m2/repository/software/amazon/awssdk/opensearch/2.42.28/opensearch-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/protocol-core/2.42.28/protocol-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/aws-json-protocol/2.42.28/aws-json-protocol-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/third-party-jackson-core/2.42.28/third-party-jackson-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws/2.42.28/http-auth-aws-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums-spi/2.42.28/checksums-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums/2.42.28/checksums-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/sdk-core/2.42.28/sdk-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/profiles/2.42.28/profiles-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/retries/2.42.28/retries-2.42.28.jar:/Users/csu/.m2/repository/org/reactivestreams/reactive-streams/1.0.4/reactive-streams-1.0.4.jar:/Users/csu/.m2/repository/software/amazon/awssdk/auth/2.42.28/auth-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws-eventstream/2.42.28/http-auth-aws-eventstream-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/eventstream/eventstream/1.0.1/eventstream-1.0.1.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-spi/2.42.28/http-auth-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth/2.42.28/http-auth-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/identity-spi/2.42.28/identity-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-client-spi/2.42.28/http-client-spi-

2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/regions/2.42.28/regions-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/annotations/2.42.28/annotations-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/utils/2.42.28/utils-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/aws-core/2.42.28/aws-core-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/utils-lite/2.42.28/utils-lite-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/metrics-spi/2.42.28/metrics-spi-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/json-utils/2.42.28/json-utils-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/endpoints-spi/2.42.28/endpoints-spi-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/retries-spi/2.42.28/retries-spi-
2.42.28.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/netty-nio-client/2.42.28/netty-nio-client-
2.42.28.jar:/Users/csuH/.m2/repository/io/netty/netty-codec-http/4.1.132.Final/netty-codec-http-
4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-codec-http2/4.1.132.Final/netty-codec-http2-
4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-codec/4.1.132.Final/netty-codec-
4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-transport/4.1.132.Final/netty-transport-
4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-common/4.1.132.Final/netty-common-
4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-buffer/4.1.132.Final/netty-buffer-
4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-handler/4.1.132.Final/netty-handler-
4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-transport-native-unix-common/4.1.132.Final/netty-
transport-native-unix-common-4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-transport-classes-
epoll/4.1.132.Final/netty-transport-classes-epoll-4.1.132.Final.jar:/Users/csuH/.m2/repository/io/netty/netty-
resolver/4.1.132.Final/netty-resolver-4.1.132.Final.jar:/Users/csuH/.m2/repository/software/amazon/awssdk/apache-
client/2.42.28/apache-client-
2.42.28.jar:/Users/csuH/.m2/repository/org/apache/httpcomponents/httpclient/4.5.13/httpclient-
4.5.13.jar:/Users/csuH/.m2/repository/org/apache/httpcomponents/httpcore/4.4.16/httpcore-4.4.16.jar:
java.vm.vendor: Homebrew
sun.arch.data.model: 64
java.vendor.url: <https://github.com/Homebrew/homebrew-core/issues>
user.timezone: America/Los_Angeles
os.name: Mac OS X
java.vm.specification.version: 17
user.country: US
sun.java.launcher: SUN_STANDARD
sun.boot.library.path: /opt/homebrew/Cellar/openjdk@17/17.0.14/libexec/openjdk.jdk/Contents/Home/lib
sun.java.command: /Users/csuH/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-
lddtool/target/surefire/surefirebooter-20260521145040952_3.jar
/Users/csuH/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-lddtool/target/surefire
2026-05-21T14-50-40_897-jvmRun1 surefire-20260521145040952_1tmp surefire_0-20260521145040952_2tmp
jdk.debug: release
surefire.test.class.path: /Users/csuH/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-
model/model-lddtool/target/test-classes:/Users/csuH/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-
information-model/model-lddtool/target/classes:/Users/csuH/.m2/repository/org/slf4j/slf4j-simple/2.0.13/slf4j-simple-
2.0.13.jar:/Users/csuH/.m2/repository/org/slf4j/slf4j-api/2.0.13/slf4j-api-
2.0.13.jar:/Users/csuH/.m2/repository/gov/nasa/pds/model/model-dmdocument/16.1.3/model-dmdocument-
16.1.3.jar:/Users/csuH/.m2/repository/org/codehaus/plexus/plexus-utils/3.5.0/plexus-utils-
3.5.0.jar:/Users/csuH/.m2/repository/javax/json/javax.json-api/1.1.4/javax.json-api-
1.1.4.jar:/Users/csuH/.m2/repository/com/googlecode/json-simple/json-simple/1.1.1/json-simple-
1.1.1.jar:/Users/csuH/.m2/repository/javax/servlet/javax.servlet-api/4.0.1/javax.servlet-api-
4.0.1.jar:/Users/csuH/.m2/repository/commons-io/commons-io/2.16.1/commons-io-
2.16.1.jar:/Users/csuH/.m2/repository/net/sourceforge/argparse4j/argparse4j/0.9.0/argparse4j-
0.9.0.jar:/Users/csuH/.m2/repository/org/junit/jupiter/junit-jupiter/5.11.3/junit-jupiter-

5.11.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-api/5.11.3/junit-jupiter-api-
5.11.3.jar:/Users/csu/.m2/repository/org/opentest4j/opentest4j/1.3.0/opentest4j-
1.3.0.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-commons/1.11.3/junit-platform-commons-
1.11.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-params/5.11.3/junit-jupiter-params-
5.11.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-engine/5.11.3/junit-jupiter-engine-
5.11.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-java/7.20.1/cucumber-java-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-core/7.20.1/cucumber-core-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin/7.20.1/cucumber-gherkin-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin-messages/7.20.1/cucumber-gherkin-
messages-7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/gherkin/28.0.0/gherkin-
28.0.0.jar:/Users/csu/.m2/repository/io/cucumber/messages/24.1.0/messages-
24.1.0.jar:/Users/csu/.m2/repository/io/cucumber/testng-xml-formatter/0.2.0/testng-xml-formatter-
0.2.0.jar:/Users/csu/.m2/repository/io/cucumber/query/12.2.0/query-
12.2.0.jar:/Users/csu/.m2/repository/io/cucumber/tag-expressions/6.1.0/tag-expressions-
6.1.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-expressions/17.1.0/cucumber-expressions-
17.1.0.jar:/Users/csu/.m2/repository/io/cucumber/datatable/7.20.1/datatable-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-plugin/7.20.1/cucumber-plugin-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/docstring/7.20.1/docstring-
7.20.1.jar:/Users/csu/.m2/repository/io/cucumber/html-formatter/21.7.0/html-formatter-
21.7.0.jar:/Users/csu/.m2/repository/io/cucumber/junit-xml-formatter/0.5.0/junit-xml-formatter-
0.5.0.jar:/Users/csu/.m2/repository/io/cucumber/ci-environment/10.0.1/ci-environment-
10.0.1.jar:/Users/csu/.m2/repository/org/apiguardian/apiguardian-api/1.1.2/apiguardian-api-
1.1.2.jar:/Users/csu/.m2/repository/org/junit/vintage/junit-vintage-engine/5.11.3/junit-vintage-engine-
5.11.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-engine/1.11.3/junit-platform-engine-
1.11.3.jar:/Users/csu/.m2/repository/junit/junit/4.13.2/junit-
4.13.2.jar:/Users/csu/.m2/repository/org/hamcrest/hamcrest-core/1.3/hamcrest-core-
1.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-junit/7.18.0/cucumber-junit-
7.18.0.jar:/Users/csu/.m2/repository/gov/nasa/pds/validate/4.1.0/validate-
4.1.0.jar:/Users/csu/.m2/repository/org/verapdf/validation-model-jakarta/1.28.2/validation-model-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/parser/1.28.2/parser-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/pdf-model/1.28.2/pdf-model-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/core-jakarta/1.28.2/core-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/verapdf-xmp-core-jakarta/1.28.2/verapdf-xmp-core-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/mozilla/rhino/1.7.13/rhino-
1.7.13.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-
4.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-
4.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/txw2/4.0.2/txw2-
4.0.2.jar:/Users/csu/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-
4.1.1.jar:/Users/csu/.m2/repository/net/java/dev/stax-utils/stax-utils/20070216/stax-utils-
20070216.jar:/Users/csu/.m2/repository/org/verapdf/feature-reporting-jakarta/1.28.2/feature-reporting-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/metadata-fixer-jakarta/1.28.2/metadata-fixer-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/net/sf/saxon/Saxon-HE/12.9/Saxon-HE-
12.9.jar:/Users/csu/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-
5.3.3.jar:/Users/csu/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-5.3.3-
data.jar:/Users/csu/.m2/repository/commons-cli/commons-cli/1.9.0/commons-cli-
1.9.0.jar:/Users/csu/.m2/repository/commons-configuration/commons-configuration/1.10/commons-configuration-
1.10.jar:/Users/csu/.m2/repository/commons-lang/commons-lang/2.6/commons-lang-
2.6.jar:/Users/csu/.m2/repository/commons-collections/commons-collections/3.2.2/commons-collections-
3.2.2.jar:/Users/csu/.m2/repository/commons-logging/commons-logging/1.3.6/commons-logging-
1.3.6.jar:/Users/csu/.m2/repository/org/apache/commons/commons-lang3/3.20.0/commons-lang3-

3.20.0.jar:/Users/csu/.m2/repository/commons-digester/commons-digester/2.1/commons-digester-2.1.jar:/Users/csu/.m2/repository/commons-beanutils/commons-beanutils/1.8.3/commons-beanutils-1.8.3.jar:/Users/csu/.m2/repository/com/google/code/gson/gson/2.13.2/gson-2.13.2.jar:/Users/csu/.m2/repository/com/google/errorprone/error_prone_annotations/2.41.0/error_prone_annotations-2.41.0.jar:/Users/csu/.m2/repository/org/jsoup/jsoup/1.22.1/jsoup-1.22.1.jar:/Users/csu/.m2/repository/org/slf4j/slf4j-nop/2.0.17/slf4j-nop-2.0.17.jar:/Users/csu/.m2/repository/com/jamesmurty/utls/java-xmlbuilder/1.3/java-xmlbuilder-1.3.jar:/Users/csu/.m2/repository/net/iharder/base64/2.3.8/base64-2.3.8.jar:/Users/csu/.m2/repository/commons-chain/commons-chain/1.2/commons-chain-1.2.jar:/Users/csu/.m2/repository/org/apache/commons/commons-compress/1.28.0/commons-compress-1.28.0.jar:/Users/csu/.m2/repository/commons-codec/commons-codec/1.19.0/commons-codec-1.19.0.jar:/Users/csu/.m2/repository/com/google/guava/guava/33.5.0-jre/guava-33.5.0-jre.jar:/Users/csu/.m2/repository/com/google/guava/failureaccess/1.0.3/failureaccess-1.0.3.jar:/Users/csu/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/Users/csu/.m2/repository/org/jspecify/jspecify/1.0.0/jspecify-1.0.0.jar:/Users/csu/.m2/repository/com/google/j2objc/j2objc-annotations/3.1/j2objc-annotations-3.1.jar:/Users/csu/.m2/repository/xerces/xercesImpl/2.12.2/xercesImpl-2.12.2.jar:/Users/csu/.m2/repository/xml-resolver/xml-resolver-patched/1.2.1/xml-resolver-patched-1.2.1.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-core/2.25.4/log4j-core-2.25.4.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-api/2.25.4/log4j-api-2.25.4.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds4-jparser/3.1.0/pds4-jparser-3.1.0.jar:/Users/csu/.m2/repository/xalan/xalan/2.7.3/xalan-2.7.3.jar:/Users/csu/.m2/repository/xalan/serializer/2.7.3/serializer-2.7.3.jar:/Users/csu/.m2/repository/oro/oro/2.0.8/oro-2.0.8.jar:/Users/csu/.m2/repository/javax/media/jai-core/1.1.3/jai-core-1.1.3.jar:/Users/csu/.m2/repository/com/sun/media/jai-codec/1.1.3/jai-codec-1.1.3.jar:/Users/csu/.m2/repository/com/google/code/findbugs/jsr305/3.0.2/jsr305-3.0.2.jar:/Users/csu/.m2/repository/org/checkerframework/checker-qual/3.41.0/checker-qual-3.41.0.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-core/4.0.5/jaxb-core-4.0.5.jar:/Users/csu/.m2/repository/org/eclipse/angus/angus-activation/2.0.2/angus-activation-2.0.2.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-xjc/4.0.5/jaxb-xjc-4.0.5.jar:/Users/csu/.m2/repository/org/apache/commons/commons-csv/1.14.1/commons-csv-1.14.1.jar:/Users/csu/.m2/repository/org/apache/commons/commons-text/1.10.0/commons-text-1.10.0.jar:/Users/csu/.m2/repository/org/apache/commons/commons-collections4/4.4/commons-collections4-4.4.jar:/Users/csu/.m2/repository/gov/nasa/gsfsc/heasarc/nom-tam-fits/1.21.2/nom-tam-fits-1.21.2.jar:/Users/csu/.m2/repository/com/github/spotbugs/spotbugs-annotations/4.9.4/spotbugs-annotations-4.9.4.jar:/Users/csu/.m2/repository/jakarta/annotation/jakarta.annotation-api/3.0.0/jakarta.annotation-api-3.0.0.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds3-product-tools/4.4.2/pds3-product-tools-4.4.2.jar:/Users/csu/.m2/repository/org/antlr/antlr/3.3/antlr-3.3.jar:/Users/csu/.m2/repository/org/antlr/antlr-runtime/3.3/antlr-runtime-3.3.jar:/Users/csu/.m2/repository/org/antlr/stringtemplate/3.2.1/stringtemplate-3.2.1.jar:/Users/csu/.m2/repository/antlr/antlr/2.7.7/antlr-2.7.7.jar:/Users/csu/.m2/repository/org/incava/java-diff/1.1.2/java-diff-1.1.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-databind/2.21.2/jackson-databind-2.21.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-annotations/2.21/jackson-annotations-2.21.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-core/2.21.2/jackson-core-2.21.2.jar:/Users/csu/.m2/repository/gov/nasa/pds/registry-common/2.3.0/registry-common-2.3.0.jar:/Users/csu/.m2/repository/org/elasticsearch/client/elasticsearch-rest-client/9.2.0/elasticsearch-rest-client-9.2.0.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpasyncclient/4.1.5/httpasyncclient-4.1.5.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpcore-nio/4.4.16/httpcore-nio-4.4.16.jar:/Users/csu/.m2/repository/org/json/json/20250517/json-20250517.jar:/Users/csu/.m2/repository/org/apache/tika/tika-core/3.2.2/tika-core-3.2.2.jar:/Users/csu/.m2/repository/jakarta/xml/bind/jakarta.xml.bind-api/4.0.5/jakarta.xml.bind-api-

4.0.5.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-impl/4.0.5/jaxb-impl-
4.0.5.jar:/Users/csu/.m2/repository/jakarta/activation/jakarta.activation-api/2.1.4/jakarta.activation-api-
2.1.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/client5/httpclient5/5.6/httpclient5-
5.6.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5/5.4/httpcore5-
5.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5-h2/5.4/httpcore5-h2-
5.4.jar:/Users/csu/.m2/repository/org/mp4parser/isoparser/1.9.56/isoparser-
1.9.56.jar:/Users/csu/.m2/repository/org/aspectj/aspectjrt/1.9.7/aspectjrt-
1.9.7.jar:/Users/csu/.m2/repository/org/openspdx/client/openspdx-java/3.8.0/openspdx-java-
3.8.0.jar:/Users/csu/.m2/repository/org/eclipse/parsson/parsson/1.1.7/parsson-
1.1.7.jar:/Users/csu/.m2/repository/jakarta/json/jakarta.json-api/2.1.3/jakarta.json-api-
2.1.3.jar:/Users/csu/.m2/repository/jakarta/json/bind/jakarta.json.bind-api/2.0.0/jakarta.json.bind-api-
2.0.0.jar:/Users/csu/.m2/repository/org/eclipse/yasson/2.0.2/yasson-
2.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jakarta.json/2.0.0/jakarta.json-2.0.0-
module.jar:/Users/csu/.m2/repository/software/amazon/awssdk/openspdx/2.42.28/openspdx-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/protocol-core/2.42.28/protocol-core-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/aws-json-protocol/2.42.28/aws-json-protocol-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/third-party-jackson-core/2.42.28/third-party-
jackson-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws/2.42.28/http-auth-aws-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums-spi/2.42.28/checksums-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums/2.42.28/checksums-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/sdk-core/2.42.28/sdk-core-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/profiles/2.42.28/profiles-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/retries/2.42.28/retries-
2.42.28.jar:/Users/csu/.m2/repository/org/reactivestreams/reactive-streams/1.0.4/reactive-streams-
1.0.4.jar:/Users/csu/.m2/repository/software/amazon/awssdk/auth/2.42.28/auth-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws-eventstream/2.42.28/http-auth-aws-
eventstream-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/eventstream/eventstream/1.0.1/eventstream-
1.0.1.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-spi/2.42.28/http-auth-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth/2.42.28/http-auth-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/identity-spi/2.42.28/identity-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-client-spi/2.42.28/http-client-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/regions/2.42.28/regions-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/annotations/2.42.28/annotations-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/utils/2.42.28/utils-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/aws-core/2.42.28/aws-core-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/utils-lite/2.42.28/utils-lite-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/metrics-spi/2.42.28/metrics-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/json-utils/2.42.28/json-utils-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/endpoints-spi/2.42.28/endpoints-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/retries-spi/2.42.28/retries-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/netty-nio-client/2.42.28/netty-nio-client-
2.42.28.jar:/Users/csu/.m2/repository/io/netty/netty-codec-http/4.1.132.Final/netty-codec-http-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-codec-http2/4.1.132.Final/netty-codec-http2-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-codec/4.1.132.Final/netty-codec-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport/4.1.132.Final/netty-transport-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-common/4.1.132.Final/netty-common-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-buffer/4.1.132.Final/netty-buffer-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-handler/4.1.132.Final/netty-handler-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport-native-unix-common/4.1.132.Final/netty-
transport-native-unix-common-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport-classes-

epoll/4.1.132.Final/netty-transport-classes-epoll-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-resolver/4.1.132.Final/netty-resolver-4.1.132.Final.jar:/Users/csu/.m2/repository/software/amazon/awssdk/apache-client/2.42.28/apache-client-2.42.28.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpclient/4.5.13/httpclient-4.5.13.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpcore/4.4.16/httpcore-4.4.16.jar:
sun.cpu.endian: little
user.home: /Users/csu
user.language: en
java.specification.vendor: Oracle Corporation
java.version.date: 2025-01-21
java.home: /opt/homebrew/Cellar/openjdk@17/17.0.14/libexec/openjdk.jdk/Contents/Home
file.separator: /
basedir: /Users/csu/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-Iddtool
java.vm.compressedOopsMode: Zero based
line.separator:

java.vm.specification.vendor: Oracle Corporation
java.specification.name: Java Platform API Specification
data.home: /Users/csu/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-Iddtool/./model-ontology/src/ontology/Data
surefire.real.class.path: /Users/csu/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-Iddtool/target/surefire/surefirebooter-20260521145040952_3.jar
sun.management.compiler: HotSpot 64-Bit Tiered Compilers
java.runtime.version: 17.0.14+0
user.name: csu
path.separator: :
os.version: 15.7.2
java.runtime.name: OpenJDK Runtime Environment
file.encoding: UTF-8
java.vm.name: OpenJDK 64-Bit Server VM
java.vendor.version: Homebrew
resources.home: /Users/csu/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-Iddtool/src/test/resources/data/conf
localRepository: /Users/csu/.m2/repository
java.vendor.url.bug: <https://github.com/Homebrew/homebrew-core/issues>
java.io.tmpdir: /var/folders/lz/7mljvvnv7r93pn5tfh9stf8m0000gp/T/
java.version: 17.0.14
user.dir: /Users/csu/Documents/pds/repos/GitHub.public/NASA-PDS/pds4-information-model/model-Iddtool
os.arch: aarch64
java.vm.specification.name: Java Virtual Machine Specification
org.slf4j.simpleLogger.defaultLogLevel: DEBUG
native.encoding: UTF-8
java.library.path:
/Users/csu/Library/Java/Extensions:/Library/Java/Extensions:/Network/Library/Java/Extensions:/System/Library/Java/Extensions:/usr/lib/java:
java.vm.info: mixed mode, sharing
java.vendor: Homebrew
java.vm.version: 17.0.14+0
java.specification.maintenance.version: 1
sun.io.unicode.encoding: UnicodeBig

javax.xml.transform.TransformerFactory: net.sf.saxon.TransformerFactoryImpl

java.class.version: 61.0

Created On	5/26/2026
Completed	No

Passed	Blocked	Untested	Retest	Failed
100% (61/61)	0% (0/61)	0% (0/61)	0% (0/61)	0% (0/61)
Partial Pass	Conditional Pass	Deprecated		
0% (0/61)	0% (0/61)	0% (0/61)		

Test Cases

cucumber.CucumberTest 61

ID	Title	Status
T9797313	NASA-PDS pds4-information-model#752	Passed
T9797314	Verifying Iddtool output against specified assertions #4	Passed
T9797315	Comparing Iddtool output files to expected files #2	Passed
T9797316	Verifying Iddtool output against specified assertions #3	Passed
T9797317	Comparing Iddtool output files to expected files #4	Passed
T9797318	Verifying Iddtool output against specified assertions #5	Passed
T9797319	Verifying Iddtool output against specified assertions #2	Passed
T9797320	Comparing Iddtool output files to expected files #1	Passed
T9797321	Verifying Iddtool output against specified assertions #1	Passed
T9797322	NASA-PDS pds4-information-model#784a	Passed
T9797323	NASA-PDS pds4-information-model#797	Passed
T9797324	NASA-PDS pds4-information-model#753	Passed
T9797325	Comparing Iddtool output files to expected files #3	Passed
T9797326	NASA-PDS pds4-information-model#829	Passed
T9797327	NASA-PDS pds4-information-model#794	Passed
T9797328	NASA-PDS pds4-information-model#784b	Passed
T9797329	NASA-PDS pds4-information-model#823	Passed
T9797330	NASA-PDS pds4-information-model#795a	Passed
T9797331	NASA-PDS pds4-information-model#795b	Passed
T9797332	NASA-PDS pds4-information-model#894	Passed
T9797333	NASA-PDS pds4-information-model#830	Passed

T9797334	NASA-PDS pds4-information-model#852c	Passed
T9797335	NASA-PDS pds4-information-model#891	Passed
T9797336	NASA-PDS pds4-information-model#852a	Passed
T9797337	NASA-PDS pds4-information-model#852b	Passed
T9797338	NASA-PDS pds4-information-model#831	Passed
T9797339	NASA-PDS pds4-information-model#905	Passed
T9797340	NASA-PDS pds4-information-model#913b	Passed
T9797341	NASA-PDS pds4-information-model#911	Passed
T9797342	NASA-PDS pds4-information-model#913a	Passed
T9797343	NASA-PDS pds4-information-model#907	Passed
T9797344	Comparing Iddtool output files to expected files #10	Passed
T9797345	Comparing Iddtool output files to expected files #6	Passed
T9797346	Comparing Iddtool output files to expected files #7	Passed
T9797347	Comparing Iddtool output files to expected files #8	Passed
T9797348	Comparing Iddtool output files to expected files #5	Passed
T9797349	Comparing Iddtool output files to expected files #9	Passed
T9797350	NASA-PDS pds4-information-model#945	Passed
T9797351	NASA-PDS pds4-information-model#898 #1	Passed
T9797352	NASA-PDS pds4-information-model#913c	Passed
T9797353	Comparing Iddtool output files to expected files #11	Passed
T9797354	Comparing Iddtool output files to expected files #12	Passed
T9797355	Comparing Iddtool output files to expected files #13	Passed
T9797356	NASA-PDS pds4-information-model#894b	Passed
T9797357	NASA-PDS pds4-information-model#898 #2	Passed
T9797358	NASA-PDS pds4-information-model#949	Passed
T9797359	NASA-PDS pds4-information-model#967a	Passed
T9797360	NASA-PDS pds4-information-model#967b	Passed
T9797361	NASA-PDS pds4-information-model#994	Passed
T9797362	NASA-PDS pds4-information-model#995	Passed
T9797363	NASA-PDS pds4-information-model#946	Passed
T9797364	NASA-PDS pds4-information-model#1025	Passed
T9797365	NASA-PDS pds4-information-model#1040	Passed
T9797366	NASA-PDS pds4-information-model#1002	Passed

T9797367	NASA-PDS pds4-information-model#998	Passed
T9797368	NASA-PDS pds4-information-model#1003	Passed
T9797369	NASA-PDS pds4-information-model#1004	Passed
T9797370	NASA-PDS pds4-information-model#1005	Passed
T9797371	NASA-PDS pds4-information-model#1038	Passed
T9797372	NASA-PDS pds4-information-model#1007	Passed
T9797373	NASA-PDS pds4-information-model#931	Passed

R53352: B17 Peppi Automated Tests Run**B17**

Created On

5/26/2026

Completed

No

Passed	Blocked	Untested	Retest	Failed
98% (94/96)	0% (0/96)	0% (0/96)	2% (2/96)	0% (0/96)
Partial Pass	Conditional Pass	Deprecated		
0% (0/96)	0% (0/96)	0% (0/96)		

Test Cases**pytest** 96

ID	Title	Status
T9797376	test_all	Passed
T9797377	test_before	Passed
T9797378	test_bundles	Passed
T9797379	test_collections	Passed
T9797380	test_after	Passed
T9797381	test_as_dataframe	Passed
T9797382	test_before_and_has_target	Passed
T9797383	test_within_range	Passed
T9797384	test_has_investigation	Passed
T9797385	test_within_bbox	Passed
T9797386	test_fields	Passed
T9797387	test_has_instrument_host	Passed
T9797388	test_empty_dataframe	Passed
T9797389	test_has_investigation	Passed
T9797390	test_has_processing_level	Passed
T9797391	test_collections_with_type	Passed
T9797392	test_get	Passed
T9797393	test_has_target	Passed
T9797394	test_filter	Passed

T9797395	test_has_instrument	Passed
T9797396	test_product_has_target_not_found_raise_warning	Passed
T9797397	test_products_with_target	Passed
T9797398	test_observationals	Passed
T9797399	test_products_of_collection	Passed
T9797400	test_query_modification_during_pagination	Passed
T9797401	test_has_target_mercury_observationals	Passed
T9797402	test_search	Passed
T9797403	test_similarity_curiosity	Passed
T9797404	test_targets	Passed
T9797405	test_instrument_hosts_alias	Retest
T9797406	test_search_typo	Passed
T9797407	test_search_alias	Retest
T9797408	test_instrument_hosts	Passed
T9797409	test_similarity_jupyter	Passed
T9797410	test_orex_products	Passed
T9797411	test_search	Passed
T9797412	test_export_to_csv	Passed
T9797413	test_find_bennu_data	Passed
T9797414	test_find_messenger_data	Passed
T9797415	test_processing_levels	Passed
T9797416	test_export_to_dataframe	Passed
T9797417	test_find_mars_data	Passed
T9797418	test_find_curiosity_data	Passed
T9797419	test_find_mercury_data_2020	Passed
T9797420	test_get_calibrated_mars_data	Passed
T9797421	test_find_jupiter_data	Passed
T9797422	test_browse_targets	Passed
T9797423	test_messenger_mercury_data_before_2012	Passed
T9797424	test_find_dois	Passed
T9797425	test_search_satellites	Passed
T9797426	test_collections_then_products	Passed
T9797427	test_filter_by_custom_keyword	Passed

T9797428	test_compare_processing_levels	Passed
T9797429	test_filter_by_title_keyword	Passed
T9797430	test_search_asteroids	Passed
T9797431	test_search_planets	Passed
T9797432	test_extract_specific_fields	Passed
T9797433	test_minimal_field_set	Passed
T9797434	test_create_client	Passed
T9797435	test_complete_first_example	Passed
T9797436	test_basic_import	Passed
T9797437	test_performance	Passed
T9797438	test_product_attributes	Passed
T9797439	test_find_products_about_mars	Passed
T9797440	test_look_at_results	Passed
T9797441	test_context_fuzzy_matching	Passed
T9797442	test_as_dataframe_with_missing_columns	Passed
T9797443	test_context_search_instrument_hosts	Passed
T9797444	test_context_search_targets	Passed
T9797445	test_pds_registry_client	Passed
T9797446	test_pds_registry_client_custom_url	Passed
T9797447	test_lazy_evaluation	Passed
T9797448	test_products_fluent_interface	Passed
T9797449	test_query_builder_pattern	Passed
T9797450	test_query_builder_chained	Passed
T9797451	test_filter_by_instrument_host	Passed
T9797452	test_custom_filter	Passed
T9797453	test_filter_by_processing_level	Passed
T9797454	test_filter_by_product_type_bundles	Passed
T9797455	test_filter_by_product_type_collections	Passed
T9797456	test_filter_by_product_type_observational	Passed
T9797457	test_filter_by_time_range	Passed
T9797458	test_filter_by_target_name	Passed
T9797459	test_filter_by_time_after	Passed
T9797460	test_accessing_metadata	Passed

T9797461	test_filter_by_target_lid	Passed
T9797462	test_filter_by_time_before	Passed
T9797463	test_converting_to_dataframe	Passed
T9797464	test_iterating_over_products	Passed
T9797465	test_limiting_results	Passed
T9797466	test_reducing_returned_fields	Passed
T9797467	test_complex_combined_query	Passed
T9797468	test_resetting_query	Passed
T9797469	test_with_doi_url	Passed
T9797470	test_count	Passed
T9797471	test_with_doi	Passed

R53475: B17 Registry Automated Tests Run**B17**

Created On	6/10/2026
Completed	No

Passed	Blocked	Untested	Retest	Failed
98% (43/44)	0% (0/44)	0% (0/44)	0% (0/44)	2% (1/44)
Partial Pass	Conditional Pass	Deprecated		
0% (0/44)	0% (0/44)	0% (0/44)		

Test Cases**Test Cases** 21

ID	Title	Status
T9814934	As a user, I want to all metadata attributes to be searchable	Passed
T9814935	Get all searchable properties from the registry api	Passed
T9814936	List product classes usable in the /classes/{class} end-point	Passed
T9814937	Select fields in response for lid/lidvid resolution	Passed
T9814938	Filter product on time using ISO8601 string	Passed
T9814939	As an API user, I want to be able to use the API for free text search	Passed
T9814940	Resolve a lid with the latest lidvid (without /latest suffix)	Passed
T9814941	Resolve lid with all related lidvid (/all suffix)	Passed
T9814942	Search by processing level	Passed
T9814943	Search product by target	Passed
T9814944	Search by reference	Passed
T9814945	Search for member-of a products, with kvp response	Passed
T9814946	Search for a product knowing its DOI	Passed
T9814948	NASA-PDS/registry-sweepers#58 legacy registry synchronization	Passed
T9814949	Csv response, single product, use as inner list separator	Passed
T9814950	As a user, I want to get a product description given a lidvid	Passed
T9814951	As a user, I want to get the latest version of a product given a lid	Passed
T9814952	As a user, I want to get all product versions associated to one lid	Failed
T9814958	As a user, I want to receive metadata only in the API responses (no binary blobs)	Passed

T9814965	Welcome page	Passed
T9814981	Get Json format from in browser request	Passed

Membership 8

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

ID	Title	Status
T9814953	registry-api#223 products/{id}/members	Passed
T9814954	registry-api#453 products/{id}/members/members	Passed
T9814955	registry-api#451/452 products/{id}/member-of	Passed
T9814956	registry-api#454 products/{id}/member-of/member-of	Passed
T9814957	registry-api#484 products/{id}/members default to latest-only	Passed
T9814959	registry-api#485 products/{id}/members/members default to latest-only	Passed
T9814960	registry-api#486 products/{id}/member-of default to latest-only	Passed
T9814961	registry-api#487 products/{id}/member-of/member-of default to latest-only	Passed

Classes 1

API endpoints dealing with the /classes route prefix

ID	Title	Status
T9814962	registry-api#488 classes/{class} default to latest-only	Passed

Querystings 14

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

ID	Title	Status
T9814966	registry-api#495 querysting supports AND	Passed
T9814967	registry-api#495 querysting supports OR	Passed
T9814968	registry-api#495 querysting supports NOT	Passed
T9814969	registry-api#495 querysting supports lowercase	Passed
T9814970	registry-api#494 querysting supports EQ	Passed
T9814971	registry-api#494 querysting supports NE	Passed
T9814972	registry-api#494 querysting supports GT	Passed
T9814973	registry-api#494 querysting supports LT	Passed
T9814974	registry-api#494 querysting supports GE	Passed
T9814975	registry-api#494 querysting supports LE	Passed
T9814976	registry-api#493 query string on /classes/{class} end points	Passed
T9814977	registry-api#492 query string on /products/{id}/member-of/member-of	Passed
T9814978	registry-api#491 queryString on /products/{identifier}/member-of	Passed

T9814980 registry-api#298 queryString on /products/{id}/members

Passed

458 more tests available. Switch to [compact view](#) to see all tests.

R53350: B17 Validate Automated Tests Run**B17**

java.specification.version: 17
sun.jnu.encoding: UTF-8
java.class.path: /Users/csuH/Documents/pds/repos/GitHub.public/NASA-PDS/validate/target/test-classes:/Users/csuH/Documents/pds/repos/GitHub.public/NASA-PDS/validate/target/classes:/Users/csuH/.m2/repository/org/verapdf/validation-model-jakarta/1.28.2/validation-model-jakarta-1.28.2.jar:/Users/csuH/.m2/repository/org/verapdf/parser/1.28.2/parser-1.28.2.jar:/Users/csuH/.m2/repository/org/verapdf/pdf-model/1.28.2/pdf-model-1.28.2.jar:/Users/csuH/.m2/repository/org/verapdf/core-jakarta/1.28.2/core-jakarta-1.28.2.jar:/Users/csuH/.m2/repository/org/verapdf/verapdf-xmp-core-jakarta/1.28.2/verapdf-xmp-core-jakarta-1.28.2.jar:/Users/csuH/.m2/repository/org/mozilla/rhino/1.7.13/rhino-1.7.13.jar:/Users/csuH/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-4.0.2.jar:/Users/csuH/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-4.0.2.jar:/Users/csuH/.m2/repository/org/glassfish/jaxb/txw2/4.0.2/txw2-4.0.2.jar:/Users/csuH/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-4.1.1.jar:/Users/csuH/.m2/repository/net/java/dev/stax-utils/stax-utils/20070216/stax-utils-20070216.jar:/Users/csuH/.m2/repository/org/verapdf/feature-reporting-jakarta/1.28.2/feature-reporting-jakarta-1.28.2.jar:/Users/csuH/.m2/repository/org/verapdf/metadata-fixer-jakarta/1.28.2/metadata-fixer-jakarta-1.28.2.jar:/Users/csuH/.m2/repository/net/sf/saxon/Saxon-HE/12.9/Saxon-HE-12.9.jar:/Users/csuH/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-5.3.3.jar:/Users/csuH/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-5.3.3-data.jar:/Users/csuH/.m2/repository/commons-cli/commons-cli/1.9.0/commons-cli-1.9.0.jar:/Users/csuH/.m2/repository/commons-configuration/commons-configuration/1.10/commons-configuration-1.10.jar:/Users/csuH/.m2/repository/commons-lang/commons-lang/2.6/commons-lang-2.6.jar:/Users/csuH/.m2/repository/commons-collections/commons-collections/3.2.2/commons-collections-3.2.2.jar:/Users/csuH/.m2/repository/commons-logging/commons-logging/1.3.6/commons-logging-1.3.6.jar:/Users/csuH/.m2/repository/org/apache/commons/commons-lang3/3.20.0/commons-lang3-3.20.0.jar:/Users/csuH/.m2/repository/commons-digester/commons-digester/2.1/commons-digester-2.1.jar:/Users/csuH/.m2/repository/commons-beanutils/commons-beanutils/1.8.3/commons-beanutils-1.8.3.jar:/Users/csuH/.m2/repository/com/google/code/gson/gson/2.13.2/gson-2.13.2.jar:/Users/csuH/.m2/repository/com/google/errorprone/error_prone_annotations/2.41.0/error_prone_annotations-2.41.0.jar:/Users/csuH/.m2/repository/org/jsoup/jsoup/1.22.1/jsoup-1.22.1.jar:/Users/csuH/.m2/repository/commons-io/commons-io/2.21.0/commons-io-2.21.0.jar:/Users/csuH/.m2/repository/org/slf4j/slf4j-nop/2.0.17/slf4j-nop-2.0.17.jar:/Users/csuH/.m2/repository/org/slf4j/slf4j-api/2.0.17/slf4j-api-2.0.17.jar:/Users/csuH/.m2/repository/com/jamesmurty/utils/java-xmlbuilder/1.3/java-xmlbuilder-1.3.jar:/Users/csuH/.m2/repository/net/i harder/base64/2.3.8/base64-2.3.8.jar:/Users/csuH/.m2/repository/commons-chain/commons-chain/1.2/commons-chain-1.2.jar:/Users/csuH/.m2/repository/org/apache/commons/commons-compress/1.28.0/commons-compress-1.28.0.jar:/Users/csuH/.m2/repository/commons-codec/commons-codec/1.19.0/commons-codec-1.19.0.jar:/Users/csuH/.m2/repository/com/google/guava/guava/33.5.0-jre/guava-33.5.0-jre.jar:/Users/csuH/.m2/repository/com/google/guava/failureaccess/1.0.3/failureaccess-1.0.3.jar:/Users/csuH/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/Users/csuH/.m2/repository/org/jspecify/jspecify/1.0.0/jspecify-1.0.0.jar:/Users/csuH/.m2/repository/com/google/j2objc/j2objc-annotations/3.1/j2objc-annotations-3.1.jar:/Users/csuH/.m2/repository/xerces/xercesImpl/2.12.2/xercesImpl-2.12.2.jar:/Users/csuH/.m2/repository/xml-

resolver/xml-resolver-patched/1.2.1/xml-resolver-patched-
1.2.1.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-core/2.25.4/log4j-core-
2.25.4.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-api/2.25.4/log4j-api-
2.25.4.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter/6.0.3/junit-jupiter-
6.0.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-api/6.0.3/junit-jupiter-api-
6.0.3.jar:/Users/csu/.m2/repository/org/opentest4j/opentest4j/1.3.0/opentest4j-
1.3.0.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-params/6.0.3/junit-jupiter-params-
6.0.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-engine/6.0.3/junit-jupiter-engine-
6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-engine/6.0.3/junit-platform-engine-
6.0.3.jar:/Users/csu/.m2/repository/org/apiguardian/apiguardian-api/1.1.2/apiguardian-api-
1.1.2.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-suite-api/6.0.3/junit-platform-suite-api-
6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-commons/6.0.3/junit-platform-commons-
6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-suite-engine/6.0.3/junit-platform-suite-engine-
6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-launcher/6.0.3/junit-platform-launcher-
6.0.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-java/7.34.3/cucumber-java-
7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-core/7.34.3/cucumber-core-
7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin/7.34.3/cucumber-gherkin-
7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin-messages/7.34.3/cucumber-gherkin-
messages-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/gherkin/36.1.0/gherkin-
36.1.0.jar:/Users/csu/.m2/repository/io/cucumber/messages/30.1.0/messages-
30.1.0.jar:/Users/csu/.m2/repository/io/cucumber/messages-ndjson/0.3.2/messages-ndjson-
0.3.2.jar:/Users/csu/.m2/repository/io/cucumber/pretty-formatter/2.4.1/pretty-formatter-
2.4.1.jar:/Users/csu/.m2/repository/io/cucumber/query/14.7.0/query-
14.7.0.jar:/Users/csu/.m2/repository/io/cucumber/teamcity-formatter/0.2.0/teamcity-formatter-
0.2.0.jar:/Users/csu/.m2/repository/io/cucumber/testng-xml-formatter/0.7.0/testng-xml-formatter-
0.7.0.jar:/Users/csu/.m2/repository/io/cucumber/usage-formatter/0.1.0/usage-formatter-
0.1.0.jar:/Users/csu/.m2/repository/io/cucumber/tag-expressions/8.1.0/tag-expressions-
8.1.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-expressions/18.1.0/cucumber-expressions-
18.1.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-json-formatter/0.3.2/cucumber-json-formatter-
0.3.2.jar:/Users/csu/.m2/repository/io/cucumber/datatable/7.34.3/datatable-
7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-plugin/7.34.3/cucumber-plugin-
7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/docstring/7.34.3/docstring-
7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/html-formatter/22.3.0/html-formatter-
22.3.0.jar:/Users/csu/.m2/repository/io/cucumber/junit-xml-formatter/0.11.0/junit-xml-formatter-
0.11.0.jar:/Users/csu/.m2/repository/io/cucumber/ci-environment/12.0.0/ci-environment-
12.0.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-junit-platform-engine/7.34.3/cucumber-junit-platform-
engine-7.34.3.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds4-jparser/3.1.0/pds4-jparser-
3.1.0.jar:/Users/csu/.m2/repository/xalan/xalan/2.7.3/xalan-
2.7.3.jar:/Users/csu/.m2/repository/xalan/serializer/2.7.3/serializer-
2.7.3.jar:/Users/csu/.m2/repository/oro/oro/2.0.8/oro-2.0.8.jar:/Users/csu/.m2/repository/javax/media/jai-
core/1.1.3/jai-core-1.1.3.jar:/Users/csu/.m2/repository/com/sun/media/jai-codec/1.1.3/jai-codec-
1.1.3.jar:/Users/csu/.m2/repository/com/google/code/findbugs/jsr305/3.0.2/jsr305-
3.0.2.jar:/Users/csu/.m2/repository/org/checkerframework/checker-qual/3.41.0/checker-qual-
3.41.0.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-core/4.0.5/jaxb-core-
4.0.5.jar:/Users/csu/.m2/repository/org/eclipse/angus/angus-activation/2.0.2/angus-activation-
2.0.2.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-xjc/4.0.5/jaxb-xjc-
4.0.5.jar:/Users/csu/.m2/repository/org/apache/commons/commons-csv/1.14.1/commons-csv-
1.14.1.jar:/Users/csu/.m2/repository/org/apache/commons/commons-text/1.10.0/commons-text-
1.10.0.jar:/Users/csu/.m2/repository/org/apache/commons/commons-collections4/4.4/commons-collections4-
4.4.jar:/Users/csu/.m2/repository/gov/nasa/gsf/heasarc/nom-tam-fits/1.21.2/nom-tam-fits-

1.21.2.jar:/Users/csu/.m2/repository/com/github/spotbugs/spotbugs-annotations/4.9.4/spotbugs-annotations-4.9.4.jar:/Users/csu/.m2/repository/jakarta/annotation/jakarta.annotation-api/3.0.0/jakarta.annotation-api-3.0.0.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds3-product-tools/4.4.2/pds3-product-tools-4.4.2.jar:/Users/csu/.m2/repository/org/antlr/antlr/3.3/antlr-3.3.jar:/Users/csu/.m2/repository/org/antlr/antlr-runtime/3.3/antlr-runtime-3.3.jar:/Users/csu/.m2/repository/org/antlr/stringtemplate/3.2.1/stringtemplate-3.2.1.jar:/Users/csu/.m2/repository/antlr/antlr/2.7.7/antlr-2.7.7.jar:/Users/csu/.m2/repository/org/incava/java-diff/1.1.2/java-diff-1.1.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-databind/2.21.2/jackson-databind-2.21.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-annotations/2.21/jackson-annotations-2.21.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-core/2.21.2/jackson-core-2.21.2.jar:/Users/csu/.m2/repository/gov/nasa/pds/registry-common/2.3.0/registry-common-2.3.0.jar:/Users/csu/.m2/repository/org/elasticsearch/client/elasticsearch-rest-client/9.2.0/elasticsearch-rest-client-9.2.0.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpasyncclient/4.1.5/httpasyncclient-4.1.5.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpcore-nio/4.4.16/httpcore-nio-4.4.16.jar:/Users/csu/.m2/repository/org/json/json/20250517/json-20250517.jar:/Users/csu/.m2/repository/org/apache/tika/tika-core/3.2.2/tika-core-3.2.2.jar:/Users/csu/.m2/repository/jakarta/xml/bind/jakarta.xml.bind-api/4.0.5/jakarta.xml.bind-api-4.0.5.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-impl/4.0.5/jaxb-impl-4.0.5.jar:/Users/csu/.m2/repository/jakarta/activation/jakarta.activation-api/2.1.4/jakarta.activation-api-2.1.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/client5/httpclient5/5.6/httpclient5-5.6.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5/5.4/httpcore5-5.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5-h2/5.4/httpcore5-h2-5.4.jar:/Users/csu/.m2/repository/org/mp4parser/isoparser/1.9.56/isoparser-1.9.56.jar:/Users/csu/.m2/repository/org/aspectj/aspectjrt/1.9.7/aspectjrt-1.9.7.jar:/Users/csu/.m2/repository/org/opensearch/client/opensearch-java/3.8.0/opensearch-java-3.8.0.jar:/Users/csu/.m2/repository/org/eclipse/parsson/parsson/1.1.7/parsson-1.1.7.jar:/Users/csu/.m2/repository/jakarta/json/jakarta.json-api/2.1.3/jakarta.json-api-2.1.3.jar:/Users/csu/.m2/repository/jakarta/json/bind/jakarta.json.bind-api/2.0.0/jakarta.json.bind-api-2.0.0.jar:/Users/csu/.m2/repository/org/eclipse/yasson/2.0.2/yasson-2.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jakarta.json/2.0.0/jakarta.json-2.0.0-module.jar:/Users/csu/.m2/repository/software/amazon/awssdk/opensearch/2.42.28/opensearch-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/protocol-core/2.42.28/protocol-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/aws-json-protocol/2.42.28/aws-json-protocol-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/third-party-jackson-core/2.42.28/third-party-jackson-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws/2.42.28/http-auth-aws-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums-spi/2.42.28/checksums-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums/2.42.28/checksums-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/sdk-core/2.42.28/sdk-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/profiles/2.42.28/profiles-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/retries/2.42.28/retries-2.42.28.jar:/Users/csu/.m2/repository/org/reactivestreams/reactive-streams/1.0.4/reactive-streams-1.0.4.jar:/Users/csu/.m2/repository/software/amazon/awssdk/auth/2.42.28/auth-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws-eventstream/2.42.28/http-auth-aws-eventstream-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/eventstream/eventstream/1.0.1/eventstream-1.0.1.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-spi/2.42.28/http-auth-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth/2.42.28/http-auth-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/identity-spi/2.42.28/identity-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-client-spi/2.42.28/http-client-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/regions/2.42.28/regions-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/annotations/2.42.28/annotations-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/utils/2.42.28/utils-

2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/aws-core/2.42.28/aws-core-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/utils-lite/2.42.28/utils-lite-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/metrics-spi/2.42.28/metrics-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/json-utils/2.42.28/json-utils-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/endpoints-spi/2.42.28/endpoints-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/retries-spi/2.42.28/retries-spi-
2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/netty-nio-client/2.42.28/netty-nio-client-
2.42.28.jar:/Users/csu/.m2/repository/io/netty/netty-codec-http/4.1.132.Final/netty-codec-http-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-codec-http2/4.1.132.Final/netty-codec-http2-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-codec/4.1.132.Final/netty-codec-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport/4.1.132.Final/netty-transport-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-common/4.1.132.Final/netty-common-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-buffer/4.1.132.Final/netty-buffer-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-handler/4.1.132.Final/netty-handler-
4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport-native-unix-common/4.1.132.Final/netty-
transport-native-unix-common-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport-classes-
epoll/4.1.132.Final/netty-transport-classes-epoll-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-
resolver/4.1.132.Final/netty-resolver-4.1.132.Final.jar:/Users/csu/.m2/repository/software/amazon/awssdk/apache-
client/2.42.28/apache-client-
2.42.28.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpclient/4.5.13/httpclient-
4.5.13.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpcore/4.4.16/httpcore-4.4.16.jar:
java.vm.vendor: Homebrew
sun.arch.data.model: 64
sun.font.fontmanager: sun.font.CFontManager
java.vendor.url: <https://github.com/Homebrew/homebrew-core/issues>
user.timezone: America/Los_Angeles
os.name: Mac OS X
java.vm.specification.version: 17
sun.java.launcher: SUN_STANDARD
user.country: US
sun.boot.library.path: /opt/homebrew/Cellar/openjdk@17/17.0.14/libexec/openjdk.jdk/Contents/Home/lib
sun.java.command: /Users/csu/Documents/pds/repos/GitHub.public/NASA-
PDS/validate/target/surefire/surefirebooter-20260521141406493_3.jar
/Users/csu/Documents/pds/repos/GitHub.public/NASA-PDS/validate/target/surefire 2026-05-21T14-14-06_269-
jvmRun1 surefire-20260521141406493_1tmp surefire_0-20260521141406493_2tmp
jdk.debug: release
surefire.test.class.path: /Users/csu/Documents/pds/repos/GitHub.public/NASA-PDS/validate/target/test-
classes:/Users/csu/Documents/pds/repos/GitHub.public/NASA-
PDS/validate/target/classes:/Users/csu/.m2/repository/org/verapdf/validation-model-jakarta/1.28.2/validation-
model-jakarta-1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/parser/1.28.2/parser-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/pdf-model/1.28.2/pdf-model-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/core-jakarta/1.28.2/core-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/verapdf-xmp-core-jakarta/1.28.2/verapdf-xmp-core-jakarta-
1.28.2.jar:/Users/csu/.m2/repository/org/mozilla/rhino/1.7.13/rhino-
1.7.13.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/jaxb-runtime/4.0.2/jaxb-runtime-
4.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/jaxb-core/4.0.2/jaxb-core-
4.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jaxb/txw2/4.0.2/txw2-
4.0.2.jar:/Users/csu/.m2/repository/com/sun/istack/istack-commons-runtime/4.1.1/istack-commons-runtime-
4.1.1.jar:/Users/csu/.m2/repository/net/java/dev/stax-utils/stax-utils/20070216/stax-utils-
20070216.jar:/Users/csu/.m2/repository/org/verapdf/feature-reporting-jakarta/1.28.2/feature-reporting-jakarta-

1.28.2.jar:/Users/csu/.m2/repository/org/verapdf/metadata-fixer-jakarta/1.28.2/metadata-fixer-jakarta-1.28.2.jar:/Users/csu/.m2/repository/net/sf/saxon/Saxon-HE/12.9/Saxon-HE-12.9.jar:/Users/csu/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-5.3.3.jar:/Users/csu/.m2/repository/org/xmlresolver/xmlresolver/5.3.3/xmlresolver-5.3.3-data.jar:/Users/csu/.m2/repository/commons-cli/commons-cli/1.9.0/commons-cli-1.9.0.jar:/Users/csu/.m2/repository/commons-configuration/commons-configuration/1.10/commons-configuration-1.10.jar:/Users/csu/.m2/repository/commons-lang/commons-lang/2.6/commons-lang-2.6.jar:/Users/csu/.m2/repository/commons-collections/commons-collections/3.2.2/commons-collections-3.2.2.jar:/Users/csu/.m2/repository/commons-logging/commons-logging/1.3.6/commons-logging-1.3.6.jar:/Users/csu/.m2/repository/org/apache/commons/commons-lang3/3.20.0/commons-lang3-3.20.0.jar:/Users/csu/.m2/repository/commons-digester/commons-digester/2.1/commons-digester-2.1.jar:/Users/csu/.m2/repository/commons-beanutils/commons-beanutils/1.8.3/commons-beanutils-1.8.3.jar:/Users/csu/.m2/repository/com/google/code/gson/gson/2.13.2/gson-2.13.2.jar:/Users/csu/.m2/repository/com/google/errorprone/error_prone_annotations/2.41.0/error_prone_annotations-2.41.0.jar:/Users/csu/.m2/repository/org/jsoup/jsoup/1.22.1/jsoup-1.22.1.jar:/Users/csu/.m2/repository/commons-io/commons-io/2.21.0/commons-io-2.21.0.jar:/Users/csu/.m2/repository/org/slf4j/slf4j-nop/2.0.17/slf4j-nop-2.0.17.jar:/Users/csu/.m2/repository/org/slf4j/slf4j-api/2.0.17/slf4j-api-2.0.17.jar:/Users/csu/.m2/repository/com/jamesmurty/utills/java-xmlbuilder/1.3/java-xmlbuilder-1.3.jar:/Users/csu/.m2/repository/net/iharder/base64/2.3.8/base64-2.3.8.jar:/Users/csu/.m2/repository/commons-chain/commons-chain/1.2/commons-chain-1.2.jar:/Users/csu/.m2/repository/org/apache/commons/commons-compress/1.28.0/commons-compress-1.28.0.jar:/Users/csu/.m2/repository/commons-codec/commons-codec/1.19.0/commons-codec-1.19.0.jar:/Users/csu/.m2/repository/com/google/guava/guava/33.5.0-jre/guava-33.5.0-jre.jar:/Users/csu/.m2/repository/com/google/guava/failureaccess/1.0.3/failureaccess-1.0.3.jar:/Users/csu/.m2/repository/com/google/guava/listenablefuture/9999.0-empty-to-avoid-conflict-with-guava/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/Users/csu/.m2/repository/org/jspecify/jspecify/1.0.0/jspecify-1.0.0.jar:/Users/csu/.m2/repository/com/google/j2objc/j2objc-annotations/3.1/j2objc-annotations-3.1.jar:/Users/csu/.m2/repository/xerces/xercesImpl/2.12.2/xercesImpl-2.12.2.jar:/Users/csu/.m2/repository/xml-resolver/xml-resolver-patched/1.2.1/xml-resolver-patched-1.2.1.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-core/2.25.4/log4j-core-2.25.4.jar:/Users/csu/.m2/repository/org/apache/logging/log4j/log4j-api/2.25.4/log4j-api-2.25.4.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter/6.0.3/junit-jupiter-6.0.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-api/6.0.3/junit-jupiter-api-6.0.3.jar:/Users/csu/.m2/repository/org/opentest4j/opentest4j/1.3.0/opentest4j-1.3.0.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-params/6.0.3/junit-jupiter-params-6.0.3.jar:/Users/csu/.m2/repository/org/junit/jupiter/junit-jupiter-engine/6.0.3/junit-jupiter-engine-6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-engine/6.0.3/junit-platform-engine-6.0.3.jar:/Users/csu/.m2/repository/org/apiguardian/apiguardian-api/1.1.2/apiguardian-api-1.1.2.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-suite-api/6.0.3/junit-platform-suite-api-6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-commons/6.0.3/junit-platform-commons-6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-suite-engine/6.0.3/junit-platform-suite-engine-6.0.3.jar:/Users/csu/.m2/repository/org/junit/platform/junit-platform-launcher/6.0.3/junit-platform-launcher-6.0.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-java/7.34.3/cucumber-java-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-core/7.34.3/cucumber-core-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin/7.34.3/cucumber-gherkin-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-gherkin-messages/7.34.3/cucumber-gherkin-messages-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/gherkin/36.1.0/gherkin-36.1.0.jar:/Users/csu/.m2/repository/io/cucumber/messages/30.1.0/messages-30.1.0.jar:/Users/csu/.m2/repository/io/cucumber/messages-ndjson/0.3.2/messages-ndjson-

0.3.2.jar:/Users/csu/.m2/repository/io/cucumber/pretty-formatter/2.4.1/pretty-formatter-2.4.1.jar:/Users/csu/.m2/repository/io/cucumber/query/14.7.0/query-14.7.0.jar:/Users/csu/.m2/repository/io/cucumber/teamcity-formatter/0.2.0/teamcity-formatter-0.2.0.jar:/Users/csu/.m2/repository/io/cucumber/testng-xml-formatter/0.7.0/testng-xml-formatter-0.7.0.jar:/Users/csu/.m2/repository/io/cucumber/usage-formatter/0.1.0/usage-formatter-0.1.0.jar:/Users/csu/.m2/repository/io/cucumber/tag-expressions/8.1.0/tag-expressions-8.1.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-expressions/18.1.0/cucumber-expressions-18.1.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-json-formatter/0.3.2/cucumber-json-formatter-0.3.2.jar:/Users/csu/.m2/repository/io/cucumber/datatable/7.34.3/datatable-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-plugin/7.34.3/cucumber-plugin-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/docstring/7.34.3/docstring-7.34.3.jar:/Users/csu/.m2/repository/io/cucumber/html-formatter/22.3.0/html-formatter-22.3.0.jar:/Users/csu/.m2/repository/io/cucumber/junit-xml-formatter/0.11.0/junit-xml-formatter-0.11.0.jar:/Users/csu/.m2/repository/io/cucumber/ci-environment/12.0.0/ci-environment-12.0.0.jar:/Users/csu/.m2/repository/io/cucumber/cucumber-junit-platform-engine/7.34.3/cucumber-junit-platform-engine-7.34.3.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds4-jparser/3.1.0/pds4-jparser-3.1.0.jar:/Users/csu/.m2/repository/xalan/xalan/2.7.3/xalan-2.7.3.jar:/Users/csu/.m2/repository/xalan/serializer/2.7.3/serializer-2.7.3.jar:/Users/csu/.m2/repository/oro/oro/2.0.8/oro-2.0.8.jar:/Users/csu/.m2/repository/javax/media/jai-core/1.1.3/jai-core-1.1.3.jar:/Users/csu/.m2/repository/com/sun/media/jai-codec/1.1.3/jai-codec-1.1.3.jar:/Users/csu/.m2/repository/com/google/code/findbugs/jsr305/3.0.2/jsr305-3.0.2.jar:/Users/csu/.m2/repository/org/checkerframework/checker-qual/3.41.0/checker-qual-3.41.0.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-core/4.0.5/jaxb-core-4.0.5.jar:/Users/csu/.m2/repository/org/eclipse/angus/angus-activation/2.0.2/angus-activation-2.0.2.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-xjc/4.0.5/jaxb-xjc-4.0.5.jar:/Users/csu/.m2/repository/org/apache/commons/commons-csv/1.14.1/commons-csv-1.14.1.jar:/Users/csu/.m2/repository/org/apache/commons/commons-text/1.10.0/commons-text-1.10.0.jar:/Users/csu/.m2/repository/org/apache/commons/commons-collections4/4.4/commons-collections4-4.4.jar:/Users/csu/.m2/repository/gov/nasa/gsf/heasarc/nom-tam-fits/1.21.2/nom-tam-fits-1.21.2.jar:/Users/csu/.m2/repository/com/github/spotbugs/spotbugs-annotations/4.9.4/spotbugs-annotations-4.9.4.jar:/Users/csu/.m2/repository/jakarta/annotation/jakarta.annotation-api/3.0.0/jakarta.annotation-api-3.0.0.jar:/Users/csu/.m2/repository/gov/nasa/pds/pds3-product-tools/4.4.2/pds3-product-tools-4.4.2.jar:/Users/csu/.m2/repository/org/antlr/antlr/3.3/antlr-3.3.jar:/Users/csu/.m2/repository/org/antlr/antlr-runtime/3.3/antlr-runtime-3.3.jar:/Users/csu/.m2/repository/org/antlr/stringtemplate/3.2.1/stringtemplate-3.2.1.jar:/Users/csu/.m2/repository/antlr/antlr/2.7.7/antlr-2.7.7.jar:/Users/csu/.m2/repository/org/incava/java-diff/1.1.2/java-diff-1.1.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-databind/2.21.2/jackson-databind-2.21.2.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-annotations/2.21/jackson-annotations-2.21.jar:/Users/csu/.m2/repository/com/fasterxml/jackson/core/jackson-core/2.21.2/jackson-core-2.21.2.jar:/Users/csu/.m2/repository/gov/nasa/pds/registry-common/2.3.0/registry-common-2.3.0.jar:/Users/csu/.m2/repository/org/elasticsearch/client/elasticsearch-rest-client/9.2.0/elasticsearch-rest-client-9.2.0.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpasyncclient/4.1.5/httpasyncclient-4.1.5.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpcore-nio/4.4.16/httpcore-nio-4.4.16.jar:/Users/csu/.m2/repository/org/json/json/20250517/json-20250517.jar:/Users/csu/.m2/repository/org/apache/tika/tika-core/3.2.2/tika-core-3.2.2.jar:/Users/csu/.m2/repository/jakarta/xml/bind/jakarta.xml.bind-api/4.0.5/jakarta.xml.bind-api-4.0.5.jar:/Users/csu/.m2/repository/com/sun/xml/bind/jaxb-impl/4.0.5/jaxb-impl-4.0.5.jar:/Users/csu/.m2/repository/jakarta/activation/jakarta.activation-api/2.1.4/jakarta.activation-api-2.1.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/client5/httpclient5/5.6/httpclient5-5.6.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5/5.4/httpcore5-5.4.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/core5/httpcore5-h2/5.4/httpcore5-h2-

5.4.jar:/Users/csu/.m2/repository/org/mp4parser/isoparser/1.9.56/isoparser-1.9.56.jar:/Users/csu/.m2/repository/org/aspectj/aspectjrt/1.9.7/aspectjrt-1.9.7.jar:/Users/csu/.m2/repository/org/openshield/openshield-client/openshield-client-java/3.8.0/openshield-client-java-3.8.0.jar:/Users/csu/.m2/repository/org/eclipse/parsson/parsson/1.1.7/parsson-1.1.7.jar:/Users/csu/.m2/repository/jakarta/json/jakarta.json-api/2.1.3/jakarta.json-api-2.1.3.jar:/Users/csu/.m2/repository/jakarta/json/bind/jakarta.json.bind-api/2.0.0/jakarta.json.bind-api-2.0.0.jar:/Users/csu/.m2/repository/org/eclipse/yasson/2.0.2/yasson-2.0.2.jar:/Users/csu/.m2/repository/org/glassfish/jakarta.json/2.0.0/jakarta.json-2.0.0-module.jar:/Users/csu/.m2/repository/software/amazon/awssdk/openshield/2.42.28/openshield-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/protocol-core/2.42.28/protocol-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/aws-json-protocol/2.42.28/aws-json-protocol-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/third-party-jackson-core/2.42.28/third-party-jackson-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws/2.42.28/http-auth-aws-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums-spi/2.42.28/checksums-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/checksums/2.42.28/checksums-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/sdk-core/2.42.28/sdk-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/profiles/2.42.28/profiles-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/retries/2.42.28/retries-2.42.28.jar:/Users/csu/.m2/repository/org/reactivestreams/reactive-streams/1.0.4/reactive-streams-1.0.4.jar:/Users/csu/.m2/repository/software/amazon/awssdk/auth/2.42.28/auth-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-aws-eventstream/2.42.28/http-auth-aws-eventstream-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/eventstream/eventstream/1.0.1/eventstream-1.0.1.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth-spi/2.42.28/http-auth-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-auth/2.42.28/http-auth-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/identity-spi/2.42.28/identity-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/http-client-spi/2.42.28/http-client-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/regions/2.42.28/regions-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/annotations/2.42.28/annotations-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/utills/2.42.28/utills-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/aws-core/2.42.28/aws-core-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/utills-lite/2.42.28/utills-lite-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/metrics-spi/2.42.28/metrics-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/json-utills/2.42.28/json-utills-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/endpoints-spi/2.42.28/endpoints-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/retries-spi/2.42.28/retries-spi-2.42.28.jar:/Users/csu/.m2/repository/software/amazon/awssdk/netty-nio-client/2.42.28/netty-nio-client-2.42.28.jar:/Users/csu/.m2/repository/io/netty/netty-codec-http/4.1.132.Final/netty-codec-http-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-codec-http2/4.1.132.Final/netty-codec-http2-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-codec/4.1.132.Final/netty-codec-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport/4.1.132.Final/netty-transport-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-common/4.1.132.Final/netty-common-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-buffer/4.1.132.Final/netty-buffer-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-handler/4.1.132.Final/netty-handler-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport-native-unix-common/4.1.132.Final/netty-transport-native-unix-common-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-transport-classes-epoll/4.1.132.Final/netty-transport-classes-epoll-4.1.132.Final.jar:/Users/csu/.m2/repository/io/netty/netty-resolver/4.1.132.Final/netty-resolver-4.1.132.Final.jar:/Users/csu/.m2/repository/software/amazon/awssdk/apache-client/2.42.28/apache-client-2.42.28.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpclient/4.5.13/httpclient-4.5.13.jar:/Users/csu/.m2/repository/org/apache/httpcomponents/httpcore/4.4.16/httpcore-4.4.16.jar:

sun.cpu.endian: little
 user.home: /Users/csuh
 user.language: en
 java.specification.vendor: Oracle Corporation
 java.version.date: 2025-01-21
 java.home: /opt/homebrew/Cellar/openjdk@17/17.0.14/libexec/openjdk.jdk/Contents/Home
 file.separator: /
 basedir: /Users/csuh/Documents/pds/repos/GitHub.public/NASA-PDS/validate
 java.vm.compressedOopsMode: Zero based
 line.separator:

 java.specification.name: Java Platform API Specification
 java.vm.specification.vendor: Oracle Corporation
 surefire.real.class.path: /Users/csuh/Documents/pds/repos/GitHub.public/NASA-PDS/validate/target/surefire/surefirebooter-20260521141406493_3.jar
 sun.management.compiler: HotSpot 64-Bit Tiered Compilers
 java.runtime.version: 17.0.14+0
 user.name: csuh
 path.separator: :
 os.version: 15.7.2
 java.runtime.name: OpenJDK Runtime Environment
 file.encoding: UTF-8
 java.vm.name: OpenJDK 64-Bit Server VM
 java.vendor.version: Homebrew
 resources.home: /Users/csuh/Documents/pds/repos/GitHub.public/NASA-PDS/validate/src/main/resources/util
 localRepository: /Users/csuh/.m2/repository
 java.vendor.url.bug: <https://github.com/Homebrew/homebrew-core/issues>
 java.io.tmpdir: /var/folders/lz/7mljvnnv7r93pn5tfh9stf8m0000gp/T/
 java.version: 17.0.14
 user.dir: /Users/csuh/Documents/pds/repos/GitHub.public/NASA-PDS/validate
 os.arch: aarch64
 java.vm.specification.name: Java Virtual Machine Specification
 org.slf4j.simpleLogger.defaultLogLevel: ERROR
 native.encoding: UTF-8
 java.library.path:
 /Users/csuh/Library/Java/Extensions:/Library/Java/Extensions:/Network/Library/Java/Extensions:/System/Library/Java/Extensions:/usr/lib/java:
 java.vm.info: mixed mode, sharing
 java.vendor: Homebrew
 java.vm.version: 17.0.14+0
 java.specification.maintenance.version: 1
 sun.io.unicode.encoding: UnicodeBig
 javax.xml.transform.TransformerFactory: net.sf.saxon.TransformerFactoryImpl
 java.class.version: 61.0

Created On

5/26/2026

Completed

No

Passed

Blocked

Untested

Retest

Failed

100% (297/297)	0% (0/297)	0% (0/297)	0% (0/297)	0% (0/297)
Partial Pass	Conditional Pass	Deprecated		
0% (0/297)	0% (0/297)	0% (0/297)		

Test Cases

cucumber.CucumberTest 297

ID	Title	Status
T9796802	Example #1 5 NASA-PDS validate#992-1	Passed
T9796803	Example #1 2 NASA-PDS validate#1066-1	Passed
T9796804	Example #1 6 NASA-PDS validate#992-2	Passed
T9796805	Example #1 8 NASA-PDS validate#950-2	Passed
T9796806	Example #1 10 NASA-PDS validate#919-2	Passed
T9796807	Example #1 4 NASA-PDS validate#1008-1	Passed
T9796808	Example #1 3 NASA-PDS validate#1028-1	Passed
T9796809	Example #1 9 NASA-PDS validate#919-1	Passed
T9796810	Example #1 7 NASA-PDS validate#950-1	Passed
T9796811	Example #1 1 NASA-PDS validate#1100-1	Passed
T9796812	Example #1 11 NASA-PDS validate#915-1	Passed
T9796813	Example #1 14 NASA-PDS validate#902-1	Passed
T9796814	Example #1 12 NASA-PDS validate#905-1	Passed
T9796815	Example #1 17 NASA-PDS validate#873-2	Passed
T9796816	Example #1 16 NASA-PDS validate#873-1	Passed
T9796817	Example #1 15 NASA-PDS validate#902-2	Passed
T9796818	Example #1 13 NASA-PDS validate#905-2	Passed
T9796819	Example #1 18 NASA-PDS validate#861-1	Passed
T9796820	Example #1 21 NASA-PDS validate#849-2	Passed
T9796821	Example #1 20 NASA-PDS validate#849-1	Passed
T9796822	Example #1 19 NASA-PDS validate#857-1	Passed
T9796823	Example #1 23 NASA-PDS validate#837-2	Passed
T9796824	Example #1 24 NASA-PDS validate#831-1	Passed
T9796825	Example #1 22 NASA-PDS validate#837-1	Passed
T9796826	Example #1 25 NASA-PDS validate#824-1	Passed
T9796827	Example #1 26 NASA-PDS validate#824-2	Passed

T9796828	Example #1 29 NASA-PDS validate#816-1	Passed
T9796829	Example #1 27 NASA-PDS validate#823-1	Passed
T9796830	Example #1 28 NASA-PDS validate#822-1	Passed
T9796831	Example #1 30 NASA-PDS validate#816-2	Passed
T9796832	Example #1 2 NASA-PDS validate#1391-2	Passed
T9796833	Example #1 1 NASA-PDS validate#1391-1	Passed
T9796834	Example #1 31 NASA-PDS validate#816-3	Passed
T9796835	Example #1 3 NASA-PDS validate#1359-1	Passed
T9796836	Example #1 4 NASA-PDS validate#1358-1	Passed
T9796837	Example #1 5 NASA-PDS validate#1357-1	Passed
T9796838	Example #1 10 NASA-PDS validate#1276-2	Passed
T9796839	Example #1 11 NASA-PDS validate#1276-3	Passed
T9796840	Example #1 8 NASA-PDS validate#1294-1	Passed
T9796841	Example #1 6 NASA-PDS validate#1332-1	Passed
T9796842	Example #1 7 NASA-PDS validate#1316-1	Passed
T9796843	Example #1 9 NASA-PDS validate#1276-1	Passed
T9796844	Example #1 12 NASA-PDS validate#1201-1	Passed
T9796845	Example #1 13 NASA-PDS validate#1201-2	Passed
T9796846	Example #1 14 NASA-PDS validate#1135-1	Passed
T9796847	Example #1 24 NASA-PDS validate#1459-1	Passed
T9796848	Example #1 19 NASA-PDS validate#1104-2	Passed
T9796849	Example #1 15 NASA-PDS validate#1130-1	Passed
T9796850	Example #1 22 NASA-PDS validate#1158-1	Passed
T9796851	Example #1 20 NASA-PDS validate#1104-3	Passed
T9796852	Example #1 16 NASA-PDS validate#1118-1	Passed
T9796853	Example #1 18 NASA-PDS validate#1104-1	Passed
T9796854	Example #1 23 NASA-PDS validate#1090-1	Passed
T9796855	Example #1 21 NASA-PDS validate#1129-1	Passed
T9796856	Example #1 17 NASA-PDS validate#1100-1	Passed
T9796857	Example #1 4 NASA-PDS validate#1379-1	Passed
T9796858	Example #1 6 NASA-PDS validate#1358-1	Passed
T9796859	Example #1 5 NASA-PDS validate#1359-1	Passed
T9796860	Example #1 8 NASA-PDS validate#1332-1	Passed

T9796861	Example #1 1 NASA-PDS validate#1408-1	Passed
T9796862	Example #1 3 NASA-PDS validate#1391-2	Passed
T9796863	Example #1 2 NASA-PDS validate#1391-1	Passed
T9796864	Example #1 7 NASA-PDS validate#1357-1	Passed
T9796865	Example #1 9 NASA-PDS validate#1316-1	Passed
T9796866	Example #1 10 NASA-PDS validate#1276-1	Passed
T9796867	Example #1 13 NASA-PDS validate#1234-1	Passed
T9796868	Example #1 17 NASA-PDS validate#970-1	Passed
T9796869	Example #1 15 NASA-PDS validate#1201-1	Passed
T9796870	Example #1 12 NASA-PDS validate#1276-3	Passed
T9796871	Example #1 14 NASA-PDS validate#1234-2	Passed
T9796872	Example #1 16 NASA-PDS validate#1137-1	Passed
T9796873	Example #1 1 NASA-PDS validate#956-1	Passed
T9796874	Example #1 18 NASA-PDS validate#967-1	Passed
T9796875	Example #1 11 NASA-PDS validate#1276-2	Passed
T9796876	Example #1 2 NASA-PDS validate#1458-1	Passed
T9796877	Example #1 5 NASA-PDS validate#755-2	Passed
T9796878	Example #1 7 NASA-PDS validate#693-1	Passed
T9796879	Example #1 2 NASA-PDS validate#785-1	Passed
T9796880	Example #1 4 NASA-PDS validate#1548-1	Passed
T9796881	Example #1 8 NASA-PDS validate#690-1	Passed
T9796882	Example #1 6 NASA-PDS validate#754-1	Passed
T9796883	Example #1 1 NASA-PDS validate#817-1	Passed
T9796884	Example #1 4 NASA-PDS validate#755-1	Passed
T9796885	Example #1 3 NASA-PDS validate#1481-1	Passed
T9796886	Example #1 3 NASA-PDS validate#781-1	Passed
T9796887	Example #1 9 NASA-PDS validate#684-1	Passed
T9796888	Example #1 12 NASA-PDS validate#681-1	Passed
T9796889	Example #1 11 NASA-PDS validate#683-1	Passed
T9796890	Example #1 13 NASA-PDS validate#681-2	Passed
T9796891	Example #1 15 NASA-PDS validate#680-1	Passed
T9796892	Example #1 17 NASA-PDS validate#671-1	Passed
T9796893	Example #1 10 NASA-PDS validate#684-2	Passed

T9796894	Example #1 14 NASA-PDS validate#681-3	Passed
T9796895	Example #1 16 NASA-PDS validate#680-2	Passed
T9796896	Example #1 18 NASA-PDS validate#652-1	Passed
T9796897	Example #1 19 NASA-PDS validate#651-1	Passed
T9796898	Example #1 20 NASA-PDS validate#649-1	Passed
T9796899	Example #1 24 NASA-PDS validate#617-1	Passed
T9796900	Example #1 28 NASA-PDS validate#605-1	Passed
T9796901	Example #1 21 NASA-PDS validate#644-1	Passed
T9796902	Example #1 27 NASA-PDS validate#611-1	Passed
T9796903	Example #1 25 NASA-PDS validate#616-1	Passed
T9796904	Example #1 22 NASA-PDS validate#631-1	Passed
T9796905	Example #1 26 NASA-PDS validate#614-1	Passed
T9796906	Example #1 23 NASA-PDS validate#628-1	Passed
T9796907	Example #1 33 NASA-PDS validate#599-4	Passed
T9796908	Example #1 31 NASA-PDS validate#599-2	Passed
T9796909	Example #1 34 NASA-PDS validate#597-1	Passed
T9796910	Example #1 36 NASA-PDS validate#597-3	Passed
T9796911	Example #1 30 NASA-PDS validate#599-1	Passed
T9796912	Example #1 32 NASA-PDS validate#599-3	Passed
T9796913	Example #1 37 NASA-PDS validate#535-1	Passed
T9796914	Example #1 29 NASA-PDS validate#604-1	Passed
T9796915	Example #1 35 NASA-PDS validate#597-2	Passed
T9796916	Example #1 38 NASA-PDS validate#535-2	Passed
T9796917	Example #1 39 NASA-PDS validate#533-1	Passed
T9796918	Example #1 40 NASA-PDS validate#531-1	Passed
T9796919	Example #1 42 NASA-PDS validate#529-1	Passed
T9796920	Example #1 43 NASA-PDS validate#514-1	Passed
T9796921	Example #1 44 NASA-PDS validate#499-1	Passed
T9796922	Example #1 48 NASA-PDS validate#482-3	Passed
T9796923	Example #1 46 NASA-PDS validate#482-1	Passed
T9796924	Example #1 41 NASA-PDS validate#531-2	Passed
T9796925	Example #1 45 NASA-PDS validate#499-2	Passed
T9796926	Example #1 47 NASA-PDS validate#482-2	Passed

T9796927	Example #1 50 NASA-PDS validate#482-5	Passed
T9796928	Example #1 49 NASA-PDS validate#482-4	Passed
T9796929	Example #1 55 NASA-PDS validate#469-1	Passed
T9796930	Example #1 51 NASA-PDS validate#482-6	Passed
T9796931	Example #1 56 NASA-PDS validate#469-2	Passed
T9796932	Example #1 58 NASA-PDS validate#467-1	Passed
T9796933	Example #1 57 NASA-PDS validate#469-3	Passed
T9796934	Example #1 52 NASA-PDS validate#480-1	Passed
T9796935	Example #1 54 NASA-PDS validate#480-3	Passed
T9796936	Example #1 53 NASA-PDS validate#480-2	Passed
T9796937	Example #1 68 NASA-PDS validate#419-1	Passed
T9796938	Example #1 65 NASA-PDS validate#427-1	Passed
T9796939	Example #1 64 NASA-PDS validate#429-1	Passed
T9796940	Example #1 66 NASA-PDS validate#424-1	Passed
T9796941	Example #1 61 NASA-PDS validate#444-1	Passed
T9796942	Example #1 59 NASA-PDS validate#467-2	Passed
T9796943	Example #1 63 NASA-PDS validate#432-1	Passed
T9796944	Example #1 62 NASA-PDS validate#435-1	Passed
T9796945	Example #1 67 NASA-PDS validate#424-2	Passed
T9796946	Example #1 60 NASA-PDS validate#447-1	Passed
T9796947	Example #1 71 NASA-PDS validate#416-3	Passed
T9796948	Example #1 69 NASA-PDS validate#416-1	Passed
T9796949	Example #1 76 NASA-PDS validate#392-2	Passed
T9796950	Example #1 70 NASA-PDS validate#416-2	Passed
T9796951	Example #1 75 NASA-PDS validate#392-1	Passed
T9796952	Example #1 78 NASA-PDS validate#380-1	Passed
T9796953	Example #1 77 NASA-PDS validate#392-3	Passed
T9796954	Example #1 72 NASA-PDS validate#416-4	Passed
T9796955	Example #1 74 NASA-PDS validate#401-1	Passed
T9796956	Example #1 73 NASA-PDS validate#408-1	Passed
T9796957	Example #1 79 NASA-PDS validate#380-2	Passed
T9796958	Example #1 81 NASA-PDS validate#376-1	Passed
T9796959	Example #1 86 NASA-PDS validate#367-1	Passed

T9796960	Example #1 80 NASA-PDS validate#379-1	Passed
T9796961	Example #1 84 NASA-PDS validate#373-2	Passed
T9796962	Example #1 85 NASA-PDS validate#368-1	Passed
T9796963	Example #1 87 NASA-PDS validate#367-2	Passed
T9796964	Example #1 82 NASA-PDS validate#375-1	Passed
T9796965	Example #1 88 NASA-PDS validate#367-3	Passed
T9796966	Example #1 83 NASA-PDS validate#373-1	Passed
T9796967	Example #1 89 NASA-PDS validate#367-4	Passed
T9796968	Example #1 97 NASA-PDS validate#367-12	Passed
T9796969	Example #1 93 NASA-PDS validate#367-8	Passed
T9796970	Example #1 95 NASA-PDS validate#367-10	Passed
T9796971	Example #1 91 NASA-PDS validate#367-6	Passed
T9796972	Example #1 92 NASA-PDS validate#367-7	Passed
T9796973	Example #1 90 NASA-PDS validate#367-5	Passed
T9796974	Example #1 94 NASA-PDS validate#367-9	Passed
T9796975	Example #1 96 NASA-PDS validate#367-11	Passed
T9796976	Example #1 98 NASA-PDS validate#366-1	Passed
T9796977	Example #1 107 NASA-PDS validate#356-1	Passed
T9796978	Example #1 104 NASA-PDS validate#357-2	Passed
T9796979	Example #1 108 NASA-PDS validate#356-2	Passed
T9796980	Example #1 100 NASA-PDS validate#366-3	Passed
T9796981	Example #1 106 NASA-PDS validate#357-4	Passed
T9796982	Example #1 105 NASA-PDS validate#357-3	Passed
T9796983	Example #1 102 NASA-PDS validate#364-2	Passed
T9796984	Example #1 103 NASA-PDS validate#357-1	Passed
T9796985	Example #1 99 NASA-PDS validate#366-2	Passed
T9796986	Example #1 101 NASA-PDS validate#364-1	Passed
T9796987	Example #1 109 NASA-PDS validate#349-1	Passed
T9796988	Example #1 116 NASA-PDS validate#343-3	Passed
T9796989	Example #1 118 NASA-PDS validate#335-2	Passed
T9796990	Example #1 112 NASA-PDS validate#345-2	Passed
T9796991	Example #1 113 NASA-PDS validate#344-1	Passed
T9796992	Example #1 110 NASA-PDS validate#349-2	Passed

T9796993	Example #1 115 NASA-PDS validate#343-2	Passed
T9796994	Example #1 114 NASA-PDS validate#343-1	Passed
T9796995	Example #1 111 NASA-PDS validate#345-1	Passed
T9796996	Example #1 117 NASA-PDS validate#335-1	Passed
T9796997	Example #1 127 NASA-PDS validate#308-2	Passed
T9796998	Example #1 121 NASA-PDS validate#328-1	Passed
T9796999	Example #1 120 NASA-PDS validate#334-2	Passed
T9797000	Example #1 128 NASA-PDS validate#303-1	Passed
T9797001	Example #1 124 NASA-PDS validate#310-1	Passed
T9797002	Example #1 122 NASA-PDS validate#328-2	Passed
T9797003	Example #1 126 NASA-PDS validate#308-1	Passed
T9797004	Example #1 123 NASA-PDS validate#325-1	Passed
T9797005	Example #1 125 NASA-PDS validate#310-2	Passed
T9797006	Example #1 119 NASA-PDS validate#334-1	Passed
T9797007	Example #1 129 NASA-PDS validate#303-2	Passed
T9797008	Example #1 130 NASA-PDS validate#299-1	Passed
T9797009	Example #1 136 NASA-PDS validate#294-1	Passed
T9797010	Example #1 135 NASA-PDS validate#297-2	Passed
T9797011	Example #1 131 NASA-PDS validate#299-2	Passed
T9797012	Example #1 137 NASA-PDS validate#294-2	Passed
T9797013	Example #1 133 NASA-PDS validate#298-2	Passed
T9797014	Example #1 134 NASA-PDS validate#297-1	Passed
T9797015	Example #1 138 NASA-PDS validate#292-1	Passed
T9797016	Example #1 132 NASA-PDS validate#298-1	Passed
T9797017	Example #1 147 NASA-PDS validate#292-10	Passed
T9797018	Example #1 140 NASA-PDS validate#292-3	Passed
T9797019	Example #1 142 NASA-PDS validate#292-5	Passed
T9797020	Example #1 146 NASA-PDS validate#292-9	Passed
T9797021	Example #1 139 NASA-PDS validate#292-2	Passed
T9797022	Example #1 144 NASA-PDS validate#292-7	Passed
T9797023	Example #1 148 NASA-PDS validate#292-11	Passed
T9797024	Example #1 143 NASA-PDS validate#292-6	Passed
T9797025	Example #1 145 NASA-PDS validate#292-8	Passed

T9797026	Example #1	141 NASA-PDS validate#292-4	Passed
T9797027	Example #1	157 NASA-PDS validate#281-6	Passed
T9797028	Example #1	152 NASA-PDS validate#281-1	Passed
T9797029	Example #1	149 NASA-PDS validate#292-12	Passed
T9797030	Example #1	156 NASA-PDS validate#281-5	Passed
T9797031	Example #1	154 NASA-PDS validate#281-3	Passed
T9797032	Example #1	150 NASA-PDS validate#291-1	Passed
T9797033	Example #1	153 NASA-PDS validate#281-2	Passed
T9797034	Example #1	158 NASA-PDS validate#278-1	Passed
T9797035	Example #1	155 NASA-PDS validate#281-4	Passed
T9797036	Example #1	151 NASA-PDS validate#291-2	Passed
T9797037	Example #1	162 NASA-PDS validate#230-1	Passed
T9797038	Example #1	164 NASA-PDS validate#217-1	Passed
T9797039	Example #1	161 NASA-PDS validate#240-2	Passed
T9797040	Example #1	166 NASA-PDS validate#217-3	Passed
T9797041	Example #1	163 NASA-PDS validate#230-2	Passed
T9797042	Example #1	165 NASA-PDS validate#217-2	Passed
T9797043	Example #1	168 NASA-PDS validate#209-1	Passed
T9797044	Example #1	160 NASA-PDS validate#240-1	Passed
T9797045	Example #1	167 NASA-PDS validate#210-1	Passed
T9797046	Example #1	159 NASA-PDS validate#278-2	Passed
T9797047	Example #1	169 NASA-PDS validate#209-2	Passed
T9797048	Example #1	174 NASA-PDS validate#173-2	Passed
T9797049	Example #1	172 NASA-PDS validate#188-1	Passed
T9797050	Example #1	176 NASA-PDS validate#164-2	Passed
T9797051	Example #1	177 NASA-PDS validate#153-1	Passed
T9797052	Example #1	171 NASA-PDS validate#190-1	Passed
T9797053	Example #1	170 NASA-PDS validate#209-3	Passed
T9797054	Example #1	178 NASA-PDS validate#153-2	Passed
T9797055	Example #1	173 NASA-PDS validate#173-1	Passed
T9797056	Example #1	175 NASA-PDS validate#164-1	Passed
T9797057	Example #1	179 NASA-PDS validate#149-1	Passed
T9797058	Example #1	180 NASA-PDS validate#149-2	Passed

T9797059	Example #1 188 NASA-PDS validate#62-1	Passed
T9797060	Example #1 187 NASA-PDS validate#71-2	Passed
T9797061	Example #1 186 NASA-PDS validate#71-1	Passed
T9797062	Example #1 183 NASA-PDS validate#87-1	Passed
T9797063	Example #1 184 NASA-PDS validate#84-1	Passed
T9797064	Example #1 185 NASA-PDS validate#84-2	Passed
T9797065	Example #1 182 NASA-PDS validate#137-2	Passed
T9797066	Example #1 181 NASA-PDS validate#137-1	Passed
T9797067	Example #1 189 NASA-PDS validate#62-2	Passed
T9797068	Example #1 191 NASA-PDS validate#57-2	Passed
T9797069	Example #1 194 NASA-PDS validate#51-1	Passed
T9797070	Example #1 190 NASA-PDS validate#57-1	Passed
T9797071	Example #1 197 NASA-PDS validate#50-2	Passed
T9797072	Example #1 193 NASA-PDS validate#57-4	Passed
T9797073	Example #1 196 NASA-PDS validate#50-1	Passed
T9797074	Example #1 198 NASA-PDS validate#47-1	Passed
T9797075	Example #1 195 NASA-PDS validate#51-2	Passed
T9797076	Example #1 192 NASA-PDS validate#57-3	Passed
T9797077	Example #1 199 NASA-PDS validate#47-2	Passed
T9797078	Example #1 200 NASA-PDS validate#28-1	Passed
T9797079	Example #1 207 NASA-PDS validate#11-2	Passed
T9797080	Example #1 204 NASA-PDS validate#15-1	Passed
T9797081	Example #1 201 NASA-PDS validate#28-2	Passed
T9797082	Example #1 205 NASA-PDS validate#15-2	Passed
T9797083	Example #1 202 NASA-PDS validate#17-1	Passed
T9797084	Example #1 206 NASA-PDS validate#11-1	Passed
T9797085	Example #1 208 NASA-PDS validate#11-3	Passed
T9797086	Example #1 203 NASA-PDS validate#17-2	Passed
T9797087	Example #1 209 NASA-PDS validate#9-1	Passed
T9797088	Example #1 216 NASA-PDS validate#6-1	Passed
T9797089	Example #1 215 NASA-PDS validate#7-1	Passed
T9797090	Example #1 211 NASA-PDS validate#9-3	Passed
T9797091	Example #1 214 NASA-PDS validate#9-6	Passed

T9797092	Example #1 218 NASA-PDS validate#6-3	Passed
T9797093	Example #1 212 NASA-PDS validate#9-4	Passed
T9797094	Example #1 213 NASA-PDS validate#9-5	Passed
T9797095	Example #1 210 NASA-PDS validate#9-2	Passed
T9797096	Example #1 217 NASA-PDS validate#6-2	Passed
T9797097	Example #1 219 NASA-PDS validate#5-1	Passed
T9797098	Example #1 220 NASA-PDS validate#5-2	Passed

R52451: B17 - Requirements**B17**

Created On	1/23/2026
Completed	No

Passed	Blocked	Untested	Retest	Failed
94% (15/16)	0% (0/16)	0% (0/16)	0% (0/16)	6% (1/16)
Partial Pass	Conditional Pass	Deprecated		
0% (0/16)	0% (0/16)	0% (0/16)		

Test Cases**data-upload-manager** 4

Data Upload Manager (DUM) component for managing the interface for data uploads to the Planetary Data Cloud from Data Providers and PDS Nodes.

ID	Title	Status
T9801912	As a user, I want to skip upload of files that are already in the archive bucket	Passed
T9801913	As a user, I want to force an upload of file that is already in the archive bucket	Passed
T9801914	As a Node Operator, I want weblogs to be validated as gzipped prior to upload	Passed
T9801916	As a data provider, I want to skip following symlinks during ingress	Passed

harvest 1

Standalone Harvest client application providing the functionality for capturing and indexing product metadata into the PDS Registry system (<https://github.com/nasa-pds/registry>).

ID	Title	Status
T9801920	harvest successfully ingests nonexistent LDD attributes when it should error out	Passed

pds4-information-model 8

The software tools and data necessary for generating the Information Model including PDS4 ontology, data, and information model.

ID	Title	Status
T9801922	CCB-72: New enumerated values for funding_source	Passed
T9801923	CCB-68: ASCII_File_Name and ASCII_Directory_Path_Name are using malformed regex expressions	Passed
T9801924	CCB-85: Expand definition of DataCurator to account for non-PDS archivists and for cloud storage	Passed
T9801925	CCB-88: Broken link to the PDS Policy on Packed Data in the Standards Reference	Passed

T9811065	[documentation] CCB-68: Update ASCII_File_Name and ASCII_Directory_Path_Name	Passed
T9811066	[documentation] CCB-58: New Product_Native values for MSL/Mastcam	Passed
T9811578	[documentation] CCB-79 : Add enumerated value day**-1 to Units_of_Rates	Passed
T9811579	[documentation] CCB-80: Support NEF as a Native format for Artemis	Passed

peppi 1

Planetary Data Explorer: Python (PEPPI) client library (pds.peppi) to access Planetary Data from the NASA Planetary Data System

ID	Title	Status
T9749807	As a data user, I want to search for products by DOI	Failed

registry 2

PDS Registry provides service and software application necessary for tracking, searching, auditing, locating, and maintaining artifacts within the system. These artifacts can range from data files and label files, schemas, dictionary definitions for objects and elements, services, etc.

ID	Title	Status
T9801927	As a user, I want to load date times as strings in order to support leap seconds	Passed
T9801928	As a PDS Node Operator, I want to track historical counts of missing and staged products over time	Passed

6 more tests available. Switch to [compact view](#) to see all tests.

R52452: B17 - Bugs - Critical

B17

Created On 1/23/2026

Completed No

Passed	Blocked	Untested	Retest	Failed
100% (1/1)	0% (0/1)	0% (0/1)	0% (0/1)	0% (0/1)
Partial Pass	Conditional Pass	Deprecated		
0% (0/1)	0% (0/1)	0% (0/1)		

Test Cases

harvest 1

Standalone Harvest client application providing the functionality for capturing and indexing product metadata into the PDS Registry system (<https://github.com/nasa-pds/registry>).

ID	Title	Status
T9811580	Harvest does not ingest data	Passed

3 more tests available. Switch to [compact view](#) to see all tests.

R52453: B17 - Bugs - High**B17**

Created On	1/23/2026
Completed	No

Passed	Blocked	Untested	Retest	Failed
80% (4/5)	0% (0/5)	0% (0/5)	0% (0/5)	0% (0/5)
Partial Pass	Conditional Pass	Deprecated		
20% (1/5)	0% (0/5)	0% (0/5)		

Test Cases**data-upload-manager** 1

Data Upload Manager (DUM) component for managing the interface for data uploads to the Planetary Data Cloud from Data Providers and PDS Nodes.

ID	Title	Status
T9801915	DUM client MD5 hash generation does not work on FIPS-enabled systems	Passed

doi-service 1

Service and tools for generating DOIs for PDS bundles, collections, and data sets

ID	Title	Status
T9801917	SFTP roundup script does not run due to missing invoke dependencies on Python 3.13	Passed

harvest 1

Standalone Harvest client application providing the functionality for capturing and indexing product metadata into the PDS Registry system (<https://github.com/nasa-pds/registry>).

ID	Title	Status
T9801919	Harvest cannot parse Date without time	Passed

registry-api 1

Web API service for the PDS Registry, providing the implementation of the PDS Search API (<https://github.com/nasa-pds/pds-api>) for the PDS Registry.

ID	Title	Status
T9801931	Inconsistent support for `application/vnd.nasa.pds.pds4+json` response format	Passed

registry-mgr 1

Standalone Registry Manager application responsible for managing the PDS Registry (<https://github.com/NASA-PDS/registry>) schemas and indexes.

ID	Title	Status
T9801932	`set-archive-status` says it updates more products than are in the bundle	Parti..Pass

7 more tests available. Switch to compact view to see all tests.