Table of Contents

Built in

Exit / Quit

Exits the shell

geo-shell> **exit**

ℹ️ | No parameters

Help

List all commands usage

Name	Description	Mandatory	Specified Default	Unspecified Default
	Command name to provide help for	false		

View all commands

geo-shell> **help**

* ! - Allows execution of operating system (OS) commands
* // - Inline comment markers (start of line only)
* ; - Inline comment markers (start of line only)
* clear - Clears the console
* cls - Clears the console
* date - Displays the local date and time
* download - Download a URL to a file.
* exit - Exits the shell
* format close - Close a Raster Format.
* format list - List open Raster Formats.

Get help for a command

geo-shell> **help layer open**

Keyword: layer open
Description: Open a Layer.
Keyword: workspace
Help: The Workspace name
Mandatory: true
Default if specified: '*NULL*'
Default if unspecified: '*NULL*'

Keyword: layer
Help: The Layer name

Mandatory: true
Default if specified: '*NULL*'
Default if unspecified: '*NULL*'

Keyword: name
Help: The name
Mandatory: false
Default if specified: '*NULL*'
Default if unspecified: '*NULL*'

* layer open - Open a Layer.

Run OS Command

Allows execution of operating system (OS) commands

geo-shell> **! ls src/test/resources/mars**

Name	Description	Mandatory	Specified Default	Unspecified Default
	The command to execute	false		

geo-shell> **! ls src/test/resources/mars**

geo_units_oc_dd.dbf
geo_units_oc_dd.prj
geo_units_oc_dd.qix
geo_units_oc_dd.sbn
geo_units_oc_dd.sbx
geo_units_oc_dd.shp
geo_units_oc_dd.shp.xml
geo_units_oc_dd.shx
I1802ABC_geo_units_RGBlut.txt

Date

Displays the local date and time

geo-shell> **date**

No parameters

geo-shell> **date**

Tuesday, January 21, 2020 1:42:46 AM UTC

Script

Parses the specified resource file and executes its commands

geo-shell> **script src/test/resources/layer_count.txt**

Name	Description	Mandatory	Specified Default	Unspecified Default
	The file to locate and execute	true		
lineNumbers	Display line numbers when executing the script	false	true	false

```
workspace open --name naturalearth --params src/test/resources/naturalearth.gpkg

layer open --workspace naturalearth --layer countries --name countries

layer count --name countries

workspace close --name naturalearth
```

geo-shell> **script src/test/resources/layer_count.txt**

Jan 21, 2020 1:42:45 AM org.geotools.data.DataAccessFinder getDataStore
WARNING: MBTiles with vector tiles should be used, but could not connect
java.io.IOException: org.sqlite.SQLiteException: [SQLITE_ERROR] SQL error or missing database (no such table: metadata)
at org.geotools.mbtiles.MBTilesFile.loadMetaData(MBTilesFile.java:433)
at org.geotools.mbtiles.MBTilesFile.loadMetaData(MBTilesFile.java:412)
at org.geotools.mbtiles.MBTilesDataStore.<init>(MBTilesDataStore.java:75)
at org.geotools.mbtiles.MBTilesDataStoreFactory.createDataStore(MBTilesDataStoreFactory.java:121)
at org.geotools.mbtiles.MBTilesDataStoreFactory.createDataStore(MBTilesDataStoreFactory.java:39)
at org.geotools.data.DataAccessFinder.getDataStore(DataAccessFinder.java:119)
at org.geotools.data.DataStoreFinder.getDataStore(DataStoreFinder.java:69)
at org.geotools.data.DataStoreFinder$getDataStore.call(Unknown Source)
at geoscript.workspace.WorkspaceFactory.create(WorkspaceFactory.groovy:32)
at geoscript.workspace.WorkspaceFactory$create$0.callCurrent(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at geoscript.workspace.WorkspaceFactory$create$0.callCurrent(Unknown Source)
at geoscript.workspace.WorkspaceFactory.create(WorkspaceFactory.groovy:22)
at geoscript.workspace.WorkspaceFactory$create.call(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at geoscript.workspace.WorkspaceFactory$create.call(Unknown Source)
at geoscript.workspace.Workspace.getWorkspace(Workspace.groovy:283)

at geoscript.workspace.Workspace$getWorkspace.call(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:115)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:127)
at org.geoshell.vector.WorkspaceCommands.open(WorkspaceCommands.groovy:24)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.springframework.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:216)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.springframework.util.ReflectionUtils.invokeMethod(ReflectionUtils.java:216)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:115)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:127)
at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:52)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.codehaus.groovy.reflection.CachedMethod.invoke(CachedMethod.java:101)
at groovy.lang.MetaMethod.doMethodInvoke(MetaMethod.java:323)
at
org.codehaus.groovy.runtime.metaclass.ClosureMetaClass.invokeMethod(ClosureMetaClass.java:35
1)
at org.codehaus.groovy.runtime.callsite.PogoMetaClassSite.callCurrent(PogoMetaClassSite.java:64)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:156)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:184)
at org.geoshell.docs.AbstractDocTest$_run_closure1.doCall(AbstractDocTest.groovy:32)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.codehaus.groovy.reflection.CachedMethod.invoke(CachedMethod.java:101)
at groovy.lang.MetaMethod.doMethodInvoke(MetaMethod.java:323)
at
org.codehaus.groovy.runtime.metaclass.ClosureMetaClass.invokeMethod(ClosureMetaClass.java:26
3)
at groovy.lang.MetaClassImpl.invokeMethod(MetaClassImpl.java:1041)
at groovy.lang.Closure.call(Closure.java:405)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:2
246)
at

org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:2226)
at
org.codehaus.groovy.runtime.DefaultGroovyMethods.eachWithIndex(DefaultGroovyMethods.java:2276)
at org.codehaus.groovy.runtime.dgm$199.invoke(Unknown Source)
at
org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite$PojoMetaMethodSiteNoUnwrapNoCoerce.invoke(PojoMetaMethodSite.java:244)
at org.codehaus.groovy.runtime.callsite.PojoMetaMethodSite.call(PojoMetaMethodSite.java:53)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCall(CallSiteArray.java:47)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:115)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.call(AbstractCallSite.java:127)
at org.geoshell.docs.AbstractDocTest.run(AbstractDocTest.groovy:31)
at org.geoshell.docs.AbstractDocTest$run.callCurrent(Unknown Source)
at org.codehaus.groovy.runtime.callsite.CallSiteArray.defaultCallCurrent(CallSiteArray.java:51)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:156)
at org.codehaus.groovy.runtime.callsite.AbstractCallSite.callCurrent(AbstractCallSite.java:184)
at org.geoshell.docs.BuiltinDocTest.script(BuiltinDocTest.groovy:66)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:50)
at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)
at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:47)
at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)
at org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:26)
at org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.java:27)
at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:325)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:78)
at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:57)
at org.junit.runners.ParentRunner$3.run(ParentRunner.java:290)
at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:71)
at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:288)
at org.junit.runners.ParentRunner.access$000(ParentRunner.java:58)
at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:268)
at org.junit.runners.ParentRunner.run(ParentRunner.java:363)
at org.apache.maven.surefire.junit4.JUnit4Provider.execute(JUnit4Provider.java:365)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeWithRerun(JUnit4Provider.java:273)
at org.apache.maven.surefire.junit4.JUnit4Provider.executeTestSet(JUnit4Provider.java:238)
at org.apache.maven.surefire.junit4.JUnit4Provider.invoke(JUnit4Provider.java:159)
at
org.apache.maven.surefire.booter.ForkedBooter.invokeProviderInSameClassLoader(ForkedBooter.java:383)
at org.apache.maven.surefire.booter.ForkedBooter.runSuitesInProcess(ForkedBooter.java:344)
at org.apache.maven.surefire.booter.ForkedBooter.execute(ForkedBooter.java:125)
at org.apache.maven.surefire.booter.ForkedBooter.main(ForkedBooter.java:417)

Caused by: org.sqlite.SQLiteException: [SQLITE_ERROR] SQL error or missing database (no such table: metadata)
at org.sqlite.core.DB.newSQLException(DB.java:941)
at org.sqlite.core.DB.newSQLException(DB.java:953)
at org.sqlite.core.DB.throwex(DB.java:918)
at org.sqlite.core.NativeDB.prepare_utf8(Native Method)
at org.sqlite.core.NativeDB.prepare(NativeDB.java:134)
at org.sqlite.core.DB.prepare(DB.java:257)
at org.sqlite.core.CorePreparedStatement.<init>(CorePreparedStatement.java:47)
at org.sqlite.jdbc3.JDBC3PreparedStatement.<init>(JDBC3PreparedStatement.java:30)
at org.sqlite.jdbc4.JDBC4PreparedStatement.<init>(JDBC4PreparedStatement.java:19)
at org.sqlite.jdbc4.JDBC4Connection.prepareStatement(JDBC4Connection.java:35)
at org.sqlite.jdbc3.JDBC3Connection.prepareStatement(JDBC3Connection.java:241)
at org.sqlite.jdbc3.JDBC3Connection.prepareStatement(JDBC3Connection.java:205)
at org.geotools.jdbc.util.SqlUtil$PreparedStatementBuilder.<init>(SqlUtil.java:57)
at org.geotools.jdbc.util.SqlUtil.prepare(SqlUtil.java:240)
at org.geotools.mbtiles.MBTilesFile.loadMetaDataEntry(MBTilesFile.java:831)
at org.geotools.mbtiles.MBTilesFile.loadMetaData(MBTilesFile.java:419)
... 107 more

Workspace naturalearth opened!
Opened Workspace naturalearth Layer countries as countries
177
Workspace naturalearth closed!

System Properties

Shows the shell's properties

geo-shell> **system properties**

> No parameters

geo-shell> **system properties**

awt.toolkit = sun.awt.X11.XToolkit
basedir = /home/travis/build/jericks/geo-shell
file.encoding = UTF-8
file.encoding.pkg = sun.io
file.separator = /
java.awt.graphicsenv = sun.awt.X11GraphicsEnvironment
java.awt.printerjob = sun.print.PSPrinterJob
java.class.path = /home/travis/build/jericks/geo-shell/target/test-classes:/home/travis/build/jericks/geo-shell/target/classes:/home/travis/.m2/repository/org/geoscript/geoscript-groovy/1.15-SNAPSHOT/geoscript-groovy-1.15-SNAPSHOT.jar:/home/travis/.m2/repository/com/wdtinc/mapbox-vector-tile/3.0.0/mapbox-vector-tile-3.0.0.jar:/home/travis/.m2/repository/org/slf4j/slf4j-api/1.7.25/slf4j-api-1.7.25.jar:/home/travis/.m2/repository/org/geotools/gt-main/23-SNAPSHOT/gt-

main-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-referencing/23-SNAPSHOT/gt-referencing-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/ejml/ejml-ddense/0.34/ejml-ddense-0.34.jar:/home/travis/.m2/repository/org/ejml/ejml-core/0.34/ejml-core-0.34.jar:/home/travis/.m2/repository/commons-pool/commons-pool/1.5.4/commons-pool-1.5.4.jar:/home/travis/.m2/repository/jgridshift/jgridshift-core/1.2/jgridshift-core-1.2.jar:/home/travis/.m2/repository/javax/javaee-api/7.0/javaee-api-7.0.jar:/home/travis/.m2/repository/com/sun/mail/javax.mail/1.5.0/javax.mail-1.5.0.jar:/home/travis/.m2/repository/javax/activation/activation/1.1/activation-1.1.jar:/home/travis/.m2/repository/net/sf/geographiclib/GeographicLib-Java/1.49/GeographicLib-Java-1.49.jar:/home/travis/.m2/repository/org/locationtech/jts/jts-core/1.16.1/jts-core-1.16.1.jar:/home/travis/.m2/repository/org/apache/commons/commons-text/1.6/commons-text-1.6.jar:/home/travis/.m2/repository/com/fasterxml/jackson/core/jackson-core/2.10.1/jackson-core-2.10.1.jar:/home/travis/.m2/repository/javax/media/jai_core/1.1.3/jai_core-1.1.3.jar:/home/travis/.m2/repository/org/geotools/gt-epsg-hsql/23-SNAPSHOT/gt-epsg-hsql-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/hsqldb/hsqldb/2.4.1/hsqldb-2.4.1.jar:/home/travis/.m2/repository/org/geotools/gt-epsg-extension/23-SNAPSHOT/gt-epsg-extension-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-render/23-SNAPSHOT/gt-render-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-coverage/23-SNAPSHOT/gt-coverage-23-SNAPSHOT.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/affine/jt-affine/1.1.12/jt-affine-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/algebra/jt-algebra/1.1.12/jt-algebra-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/bandmerge/jt-bandmerge/1.1.12/jt-bandmerge-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/bandselect/jt-bandselect/1.1.12/jt-bandselect-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/bandcombine/jt-bandcombine/1.1.12/jt-bandcombine-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/border/jt-border/1.1.12/jt-border-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/buffer/jt-buffer/1.1.12/jt-buffer-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/crop/jt-crop/1.1.12/jt-crop-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/iterators/jt-iterators/1.1.12/jt-iterators-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/lookup/jt-lookup/1.1.12/jt-lookup-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/mosaic/jt-mosaic/1.1.12/jt-mosaic-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/nullop/jt-nullop/1.1.12/jt-nullop-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/rescale/jt-rescale/1.1.12/jt-rescale-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/scale/jt-scale/1.1.12/jt-scale-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/scale2/jt-scale2/1.1.12/jt-scale2-1.1.12.jar:/home/travis/.m2/repository/org/huldra/math/bigint/0.7.1/bigint-0.7.1.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/stats/jt-stats/1.1.12/jt-stats-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/translate/jt-translate/1.1.12/jt-translate-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/utilities/jt-utilities/1.1.12/jt-utilities-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/warp/jt-warp/1.1.12/jt-warp-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/zonal/jt-zonal/1.1.12/jt-zonal-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/binarize/jt-binarize/1.1.12/jt-binarize-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/format/jt-format/1.1.12/jt-format-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/colorconvert/jt-colorconvert/1.1.12/jt-colorconvert-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/errordiffusion/jt-errordiffusion/1.1.12/jt-errordiffusion-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/orderdither/jt-orderdither/1.1.12/jt-orderdither-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/colorindexer/jt-

colorindexer/1.1.12/jt-colorindexer-
1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/imagefunction/jt-
imagefunction/1.1.12/jt-imagefunction-
1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/piecewise/jt-piecewise/1.1.12/jt-
piecewise-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/classifier/jt-classifier/1.1.12/jt-
classifier-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/rlookup/jt-rlookup/1.1.12/jt-
rlookup-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/vectorbin/jt-vectorbin/1.1.12/jt-
vectorbin-1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/shadedrelief/jt-
shadedrelief/1.1.12/jt-shadedrelief-1.1.12.jar:/home/travis/.m2/repository/org/geotools/gt-cql/23-
SNAPSHOT/gt-cql-23-
SNAPSHOT.jar:/home/travis/.m2/repository/com/conversantmedia/disruptor/1.2.13/disruptor-
1.2.13.jar:/home/travis/.m2/repository/org/geotools/gt-shapefile/23-SNAPSHOT/gt-shapefile-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/jdbc/gt-jdbc-postgis/23-SNAPSHOT/gt-jdbc-
postgis-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/postgresql/postgresql/42.2.5/postgresql-
42.2.5.jar:/home/travis/.m2/repository/org/geotools/gt-jdbc/23-SNAPSHOT/gt-jdbc-23-
SNAPSHOT.jar:/home/travis/.m2/repository/commons-dbcp/commons-dbcp/1.4/commons-dbcp-
1.4.jar:/home/travis/.m2/repository/org/geotools/jdbc/gt-jdbc-h2/23-SNAPSHOT/gt-jdbc-h2-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/opengeo/geodb/0.9/geodb-
0.9.jar:/home/travis/.m2/repository/com/h2database/h2/1.1.119/h2-
1.1.119.jar:/home/travis/.m2/repository/org/geotools/jdbc/gt-jdbc-mysql/23-SNAPSHOT/gt-jdbc-mysql-
23-SNAPSHOT.jar:/home/travis/.m2/repository/mysql/mysql-connector-java/5.1.46/mysql-connector-
java-5.1.46.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-xsd-wfs/23-SNAPSHOT/gt-xsd-wfs-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/ogc/net.opengis.wfs/23-
SNAPSHOT/net.opengis.wfs-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/ogc/org.w3.xlink/23-
SNAPSHOT/org.w3.xlink-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/ogc/net.opengis.fes/23-
SNAPSHOT/net.opengis.fes-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/eclipse/emf/org.eclipse.emf.common/2.15.0/org.eclip
se.emf.common-
2.15.0.jar:/home/travis/.m2/repository/org/eclipse/emf/org.eclipse.emf.ecore/2.15.0/org.eclipse.emf.e
core-
2.15.0.jar:/home/travis/.m2/repository/org/eclipse/emf/org.eclipse.emf.ecore.xmi/2.15.0/org.eclipse.e
mf.ecore.xmi-2.15.0.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-xsd-filter/23-SNAPSHOT/gt-
xsd-filter-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-xsd-gml2/23-
SNAPSHOT/gt-xsd-gml2-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-xsd-
fes/23-SNAPSHOT/gt-xsd-fes-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-xsd-
ows/23-SNAPSHOT/gt-xsd-ows-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/ogc/net.opengis.ows/23-
SNAPSHOT/net.opengis.ows-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-wfs-
ng/23-SNAPSHOT/gt-wfs-ng-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-
complex/23-SNAPSHOT/gt-complex-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-
app-schema-resolver/23-SNAPSHOT/gt-app-schema-resolver-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-xsd-gml3/23-SNAPSHOT/gt-xsd-gml3-
23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-xml/23-SNAPSHOT/gt-xml-23-
SNAPSHOT.jar:/home/travis/.m2/repository/commons-collections/commons-
collections/3.2.2/commons-collections-3.2.2.jar:/home/travis/.m2/repository/org/apache/xml/xml-
commons-resolver/1.2/xml-commons-resolver-

1.2.jar:/home/travis/.m2/repository/xpp3/xpp3_min/1.1.4c/xpp3_min-
1.1.4c.jar:/home/travis/.m2/repository/commons-httpclient/commons-httpclient/3.1/commons-
httpclient-3.1.jar:/home/travis/.m2/repository/commons-codec/commons-codec/1.2/commons-codec-
1.2.jar:/home/travis/.m2/repository/org/geotools/gt-charts/23-SNAPSHOT/gt-charts-23-
SNAPSHOT.jar:/home/travis/.m2/repository/jfree/eastwood/1.1.1-20090908/eastwood-1.1.1-
20090908.jar:/home/travis/.m2/repository/jfree/jfreechart/1.0.10/jfreechart-
1.0.10.jar:/home/travis/.m2/repository/jfree/jcommon/1.0.13/jcommon-
1.0.13.jar:/home/travis/.m2/repository/org/geotools/gt-brewer/23-SNAPSHOT/gt-brewer-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-svg/23-SNAPSHOT/gt-svg-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-transcoder/1.10/batik-
transcoder-1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-anim/1.10/batik-
anim-1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-css/1.10/batik-css-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-ext/1.10/batik-ext-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-parser/1.10/batik-parser-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-svg-dom/1.10/batik-svg-dom-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-awt-util/1.10/batik-awt-util-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/xmlgraphics-
commons/2.2/xmlgraphics-commons-
2.2.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-bridge/1.10/batik-bridge-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-script/1.10/batik-script-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-dom/1.10/batik-dom-
1.10.jar:/home/travis/.m2/repository/xalan/xalan/2.7.2/xalan-
2.7.2.jar:/home/travis/.m2/repository/xalan/serializer/2.7.2/serializer-
2.7.2.jar:/home/travis/.m2/repository/xml-apis/xml-apis/1.3.04/xml-apis-
1.3.04.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-gvt/1.10/batik-gvt-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-svggen/1.10/batik-svggen-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-util/1.10/batik-util-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-constants/1.10/batik-constants-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-i18n/1.10/batik-i18n-
1.10.jar:/home/travis/.m2/repository/org/apache/xmlgraphics/batik-xml/1.10/batik-xml-
1.10.jar:/home/travis/.m2/repository/xml-apis/xml-apis-ext/1.3.04/xml-apis-ext-
1.3.04.jar:/home/travis/.m2/repository/org/geotools/gt-property/23-SNAPSHOT/gt-property-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-geojson/23-SNAPSHOT/gt-geojson-23-
SNAPSHOT.jar:/home/travis/.m2/repository/com/googlecode/json-simple/json-simple/1.1/json-simple-
1.1.jar:/home/travis/.m2/repository/org/apache/commons/commons-lang3/3.8.1/commons-lang3-
3.8.1.jar:/home/travis/.m2/repository/org/geotools/gt-swing/23-SNAPSHOT/gt-swing-23-
SNAPSHOT.jar:/home/travis/.m2/repository/com/miglayout/miglayout/3.7/miglayout-3.7-
swing.jar:/home/travis/.m2/repository/org/geotools/gt-process/23-SNAPSHOT/gt-process-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/jaitools/jt-utils/1.5.0/jt-utils-
1.5.0.jar:/home/travis/.m2/repository/javax/media/jai_imageio/1.1/jai_imageio-
1.1.jar:/home/travis/.m2/repository/org/geotools/gt-process-feature/23-SNAPSHOT/gt-process-
feature-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-process-geometry/23-
SNAPSHOT/gt-process-geometry-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-
xsd-kml/23-SNAPSHOT/gt-xsd-kml-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/xsd/gt-xsd-core/23-SNAPSHOT/gt-xsd-core-
23-SNAPSHOT.jar:/home/travis/.m2/repository/picocontainer/picocontainer/1.2/picocontainer-
1.2.jar:/home/travis/.m2/repository/commons-jxpath/commons-jxpath/1.3/commons-jxpath-
1.3.jar:/home/travis/.m2/repository/org/eclipse/xsd/org.eclipse.xsd/2.12.0/org.eclipse.xsd-

2.12.0.jar:/home/travis/.m2/repository/org/geotools/gt-css/23-SNAPSHOT/gt-css-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/parboiled/parboiled-java/1.2.0/parboiled-java-1.2.0.jar:/home/travis/.m2/repository/org/parboiled/parboiled-core/1.2.0/parboiled-core-1.2.0.jar:/home/travis/.m2/repository/org/ow2/asm/asm/6.2.1/asm-6.2.1.jar:/home/travis/.m2/repository/org/ow2/asm/asm-tree/6.2.1/asm-tree-6.2.1.jar:/home/travis/.m2/repository/org/ow2/asm/asm-analysis/6.2.1/asm-analysis-6.2.1.jar:/home/travis/.m2/repository/org/ow2/asm/asm-util/6.2.1/asm-util-6.2.1.jar:/home/travis/.m2/repository/org/geotools/gt-ysld/23-SNAPSHOT/gt-ysld-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/yaml/snakeyaml/1.23/snakeyaml-1.23.jar:/home/travis/.m2/repository/com/google/code/findbugs/jsr305/3.0.0/jsr305-3.0.0.jar:/home/travis/.m2/repository/org/geotools/gt-geotiff/23-SNAPSHOT/gt-geotiff-23-SNAPSHOT.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-tiff/1.3.2/imageio-ext-tiff-1.3.2.jar:/home/travis/.m2/repository/org/geotools/gt-image/23-SNAPSHOT/gt-image-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-imagemosaic/23-SNAPSHOT/gt-imagemosaic-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-metadata/23-SNAPSHOT/gt-metadata-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-opengis/23-SNAPSHOT/gt-opengis-23-SNAPSHOT.jar:/home/travis/.m2/repository/systems/uom/systems-common-java8/0.7.2/systems-common-java8-0.7.2.jar:/home/travis/.m2/repository/tec/uom/uom-se/1.0.8/uom-se-1.0.8.jar:/home/travis/.m2/repository/javax/measure/unit-api/1.0/unit-api-1.0.jar:/home/travis/.m2/repository/tec/uom/lib/uom-lib-common/1.0.2/uom-lib-common-1.0.2.jar:/home/travis/.m2/repository/si/uom/si-quantity/0.7.1/si-quantity-0.7.1.jar:/home/travis/.m2/repository/si/uom/si-units-java8/0.7.1/si-units-java8-0.7.1.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-streams/1.3.2/imageio-ext-streams-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-geocore/1.3.2/imageio-ext-geocore-1.3.2.jar:/home/travis/.m2/repository/commons-beanutils/commons-beanutils/1.9.2/commons-beanutils-1.9.2-noclassprop.jar:/home/travis/.m2/repository/org/jaitools/jt-vectorbinarize/1.5.0/jt-vectorbinarize-1.5.0.jar:/home/travis/.m2/repository/net/sf/ehcache/ehcache/2.10.3/ehcache-2.10.3.jar:/home/travis/.m2/repository/javax/xml/bind/jaxb-api/2.4.0-b180830.0359/jaxb-api-2.4.0-b180830.0359.jar:/home/travis/.m2/repository/org/glassfish/jaxb/jaxb-runtime/2.4.0-b180830.0438/jaxb-runtime-2.4.0-b180830.0438.jar:/home/travis/.m2/repository/org/glassfish/jaxb/txw2/2.4.0-b180830.0438/txw2-2.4.0-b180830.0438.jar:/home/travis/.m2/repository/com/sun/istack/istack-commons-runtime/3.0.7/istack-commons-runtime-3.0.7.jar:/home/travis/.m2/repository/org/jvnet/staxex/stax-ex/1.8/stax-ex-1.8.jar:/home/travis/.m2/repository/com/sun/xml/fastinfoset/FastInfoset/1.2.15/FastInfoset-1.2.15.jar:/home/travis/.m2/repository/javax/activation/javax.activation-api/1.2.0/javax.activation-api-1.2.0.jar:/home/travis/.m2/repository/javax/media/jai_codec/1.1.3/jai_codec-1.1.3.jar:/home/travis/.m2/repository/org/geotools/gt-arcgrid/23-SNAPSHOT/gt-arcgrid-23-SNAPSHOT.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-arcgrid/1.3.2/imageio-ext-arcgrid-1.3.2.jar:/home/travis/.m2/repository/org/geotools/gt-grassraster/23-SNAPSHOT/gt-grassraster-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-gtopo30/23-SNAPSHOT/gt-gtopo30-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-imagepyramid/23-SNAPSHOT/gt-imagepyramid-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-imageio-ext-gdal/23-SNAPSHOT/gt-imageio-ext-gdal-23-SNAPSHOT.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalarcbinarygrid/1.3.2/imageio-ext-gdalarcbinarygrid-

1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalframework/1.3.2/imageio-ext-gdalframework-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalmrsid/1.3.2/imageio-ext-gdalmrsid-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalecw/1.3.2/imageio-ext-gdalecw-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdaldted/1.3.2/imageio-ext-gdaldted-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalkakadujp2/1.3.2/imageio-ext-gdalkakadujp2-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalmrsidjp2/1.3.2/imageio-ext-gdalmrsidjp2-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalecwjp2/1.3.2/imageio-ext-gdalecwjp2-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalehdr/1.3.2/imageio-ext-gdalehdr-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalenvihdr/1.3.2/imageio-ext-gdalenvihdr-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalerdasimg/1.3.2/imageio-ext-gdalerdasimg-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalnitf/1.3.2/imageio-ext-gdalnitf-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalrpftoc/1.3.2/imageio-ext-gdalrpftoc-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalidrisi/1.3.2/imageio-ext-gdalidrisi-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalvrt/1.3.2/imageio-ext-gdalvrt-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-gdalsrp/1.3.2/imageio-ext-gdalsrp-1.3.2.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-imagereadmt/1.3.2/imageio-ext-imagereadmt-1.3.2.jar:/home/travis/.m2/repository/org/geotools/gt-netcdf/23-SNAPSHOT/gt-netcdf-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-coverage-api/23-SNAPSHOT/gt-coverage-api-23-SNAPSHOT.jar:/home/travis/.m2/repository/com/github/spotbugs/spotbugs-annotations/4.0.0-RC1/spotbugs-annotations-4.0.0-RC1.jar:/home/travis/.m2/repository/it/geosolutions/imageio-ext/imageio-ext-utilities/1.3.2/imageio-ext-utilities-1.3.2.jar:/home/travis/.m2/repository/edu/ucar/cdm/4.6.11/cdm-4.6.11.jar:/home/travis/.m2/repository/edu/ucar/udunits/4.6.11/udunits-4.6.11.jar:/home/travis/.m2/repository/edu/ucar/httpservices/4.6.11/httpservices-4.6.11.jar:/home/travis/.m2/repository/org/apache/httpcomponents/httpclient/4.5.1/httpclient-4.5.1.jar:/home/travis/.m2/repository/org/apache/httpcomponents/httpmime/4.5.1/httpmime-4.5.1.jar:/home/travis/.m2/repository/org/apache/httpcomponents/httpcore/4.4.4/httpcore-4.4.4.jar:/home/travis/.m2/repository/joda-time/joda-time/2.8.1/joda-time-2.8.1.jar:/home/travis/.m2/repository/net/jcip/jcip-annotations/1.0/jcip-annotations-1.0.jar:/home/travis/.m2/repository/org/quartz-scheduler/quartz/2.2.0/quartz-2.2.0.jar:/home/travis/.m2/repository/c3p0/c3p0/0.9.1.1/c3p0-0.9.1.1.jar:/home/travis/.m2/repository/com/beust/jcommander/1.35/jcommander-1.35.jar:/home/travis/.m2/repository/com/amazonaws/aws-java-sdk-s3/1.11.236/aws-java-sdk-s3-1.11.236.jar:/home/travis/.m2/repository/com/amazonaws/aws-java-sdk-kms/1.11.236/aws-java-sdk-kms-1.11.236.jar:/home/travis/.m2/repository/com/amazonaws/aws-java-sdk-core/1.11.236/aws-java-sdk-core-1.11.236.jar:/home/travis/.m2/repository/software/amazon/ion/ion-java/1.0.2/ion-java-1.0.2.jar:/home/travis/.m2/repository/com/fasterxml/jackson/dataformat/jackson-dataformat-cbor/2.6.7/jackson-dataformat-cbor-2.6.7.jar:/home/travis/.m2/repository/com/amazonaws/jmespath-

java/1.11.236/jmespath-java-
1.11.236.jar:/home/travis/.m2/repository/edu/ucar/netcdf4/4.6.11/netcdf4-
4.6.11.jar:/home/travis/.m2/repository/net/java/dev/jna/jna/4.2.2/jna-
4.2.2.jar:/home/travis/.m2/repository/edu/ucar/bufr/4.6.11/bufr-
4.6.11.jar:/home/travis/.m2/repository/opendap/opendap/2.1/opendap-
2.1.jar:/home/travis/.m2/repository/commons-cli/commons-cli/1.4/commons-cli-
1.4.jar:/home/travis/.m2/repository/org/slf4j/slf4j-log4j12/1.6.4/slf4j-log4j12-
1.6.4.jar:/home/travis/.m2/repository/log4j/log4j/1.2.16/log4j-
1.2.16.jar:/home/travis/.m2/repository/org/jdom/jdom2/2.0.6/jdom2-
2.0.6.jar:/home/travis/.m2/repository/jaxen/jaxen/1.1.6/jaxen-
1.1.6.jar:/home/travis/.m2/repository/org/geotools/gt-process-raster/23-SNAPSHOT/gt-process-raster-
23-SNAPSHOT.jar:/home/travis/.m2/repository/org/jaitools/jt-zonalstats/1.5.0/jt-zonalstats-
1.5.0.jar:/home/travis/.m2/repository/org/jaitools/jt-rangelookup/1.5.0/jt-rangelookup-
1.5.0.jar:/home/travis/.m2/repository/org/jaitools/jt-contour/1.5.0/jt-contour-
1.5.0.jar:/home/travis/.m2/repository/org/jaitools/jt-attributeop/1.5.0/jt-attributeop-
1.5.0.jar:/home/travis/.m2/repository/org/jaitools/jt-vectorize/1.5.0/jt-vectorize-
1.5.0.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/jiffle/jt-jiffle-op/1.1.12/jt-jiffle-op-
1.1.12.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/jiffle/jt-jiffle-language/1.1.12/jt-jiffle-
language-1.1.12.jar:/home/travis/.m2/repository/org/antlr/antlr4-runtime/4.7.1/antlr4-runtime-
4.7.1.jar:/home/travis/.m2/repository/org/codehaus/janino/janino/3.0.8/janino-
3.0.8.jar:/home/travis/.m2/repository/org/codehaus/janino/commons-compiler/3.0.8/commons-
compiler-3.0.8.jar:/home/travis/.m2/repository/it/geosolutions/jaiext/classbreaks/jt-
classbreaks/1.1.12/jt-classbreaks-1.1.12.jar:/home/travis/.m2/repository/org/geotools/gt-wms/23-
SNAPSHOT/gt-wms-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-transform/23-
SNAPSHOT/gt-transform-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-mbtiles/23-
SNAPSHOT/gt-mbtiles-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/xerial/sqlite-
jdbc/3.30.1/sqlite-jdbc-3.30.1.jar:/home/travis/.m2/repository/com/fasterxml/jackson/core/jackson-
databind/2.10.1/jackson-databind-
2.10.1.jar:/home/travis/.m2/repository/com/fasterxml/jackson/core/jackson-
annotations/2.10.1/jackson-annotations-2.10.1.jar:/home/travis/.m2/repository/no/ecc/vectortile/java-
vector-tile/1.3.7/java-vector-tile-1.3.7.jar:/home/travis/.m2/repository/org/geotools/gt-geopkg/23-
SNAPSHOT/gt-geopkg-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-grid/23-
SNAPSHOT/gt-grid-23-SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-geobuf/23-
SNAPSHOT/gt-geobuf-23-SNAPSHOT.jar:/home/travis/.m2/repository/com/google/protobuf/protobuf-
java/3.4.0/protobuf-java-3.4.0.jar:/home/travis/.m2/repository/org/geotools/gt-flatgeobuf/23-
SNAPSHOT/gt-flatgeobuf-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/wololo/flatgeobuf/2.0.2/flatgeobuf-
2.0.2.jar:/home/travis/.m2/repository/com/google/flatbuffers/flatbuffers-java/1.11.0/flatbuffers-java-
1.11.0.jar:/home/travis/.m2/repository/org/geotools/gt-ogr-jni/23-SNAPSHOT/gt-ogr-jni-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/geotools/gt-ogr-core/23-SNAPSHOT/gt-ogr-core-23-
SNAPSHOT.jar:/home/travis/.m2/repository/org/gdal/gdal/2.2.0/gdal-
2.2.0.jar:/home/travis/.m2/repository/org/codehaus/groovy/groovy/2.5.9/groovy-
2.5.9.jar:/home/travis/.m2/repository/org/codehaus/groovy/groovy-sql/2.5.9/groovy-sql-
2.5.9.jar:/home/travis/.m2/repository/org/codehaus/groovy/groovy-xml/2.5.9/groovy-xml-
2.5.9.jar:/home/travis/.m2/repository/org/codehaus/groovy/groovy-json/2.5.9/groovy-json-
2.5.9.jar:/home/travis/.m2/repository/org/codehaus/groovy/groovy-swing/2.5.9/groovy-swing-
2.5.9.jar:/home/travis/.m2/repository/com/opencsv/opencsv/3.7/opencsv-
3.7.jar:/home/travis/.m2/repository/com/lowagie/itext/2.1.7/itext-

2.1.7.jar:/home/travis/.m2/repository/org/springframework/shell/spring-shell/1.2.0.RELEASE/spring-shell-1.2.0.RELEASE.jar:/home/travis/.m2/repository/com/google/guava/guava/17.0/guava-17.0.jar:/home/travis/.m2/repository/jline/jline/2.12/jline-2.12.jar:/home/travis/.m2/repository/org/springframework/spring-context-support/4.2.4.RELEASE/spring-context-support-4.2.4.RELEASE.jar:/home/travis/.m2/repository/org/springframework/spring-beans/4.2.4.RELEASE/spring-beans-4.2.4.RELEASE.jar:/home/travis/.m2/repository/org/springframework/spring-context/4.2.4.RELEASE/spring-context-4.2.4.RELEASE.jar:/home/travis/.m2/repository/org/springframework/spring-aop/4.2.4.RELEASE/spring-aop-4.2.4.RELEASE.jar:/home/travis/.m2/repository/aopalliance/aopalliance/1.0/aopalliance-1.0.jar:/home/travis/.m2/repository/org/springframework/spring-expression/4.2.4.RELEASE/spring-expression-4.2.4.RELEASE.jar:/home/travis/.m2/repository/commons-io/commons-io/2.4/commons-io-2.4.jar:/home/travis/.m2/repository/org/springframework/spring-core/4.2.4.RELEASE/spring-core-4.2.4.RELEASE.jar:/home/travis/.m2/repository/commons-logging/commons-logging/1.2/commons-logging-1.2.jar:/home/travis/.m2/repository/junit/junit/4.12/junit-4.12.jar:/home/travis/.m2/repository/org/hamcrest/hamcrest-core/1.3/hamcrest-core-1.3.jar:
java.class.version = 52.0
java.endorsed.dirs = /usr/lib/jvm/java-8-oracle/jre/lib/endorsed

Version

Displays shell version

> No parameters

geo-shell> **version**

0.7-SNAPSHOT

Download

Download a URL to a file.

geo-shell> **download** --url https://astropedia.astrogeology.usgs.gov/download/Mars/Geology/Mars15MGeologicGISRenovation.zip --file mars.zip --overwrite false

Name	Description	Mandatory	Specified Default	Unspecified Default
url	The url	true		
file	The file	true		
overwrite	Whether to overwrite the file or not	false	true	true

geo-shell> **download** --url https://astropedia.astrogeology.usgs.gov/download/Mars/Geology/

[Mars15MGeologicGISRenovation.zip](#) --file mars.zip --overwrite false
Downloading [https://astropedia.astrogeology.usgs.gov/download/Mars/Geology/](#) [Mars15MGeologicGISRenovation.zip](#) to /Users/jericks/Projects/geo-shell/mars.zip...

geo-shell> **unzip** --file mars.zip --directory mars
Unzipping /Users/jericks/Projects/geo-shell/mars.zip to /Users/jericks/Projects/geo-shell/mars

geo-shell> **style vector uniquevaluesfromtext** --field UnitSymbol --geometryType Polygon --styleFile mars/units.sld --textFile mars/I1802ABC_Mars_global_geology/I1802ABC_geo_units_RGBlut.txt
Create a unique values style from /Users/jericks/Projects/geo-shell/mars/I1802ABC_Mars_global_geology/I1802ABC_geo_units_RGBlut.txt for UnitSymbol and Polygon to /Users/jericks/Projects/geo-shell/mars/units.sld

geo-shell> **workspace open** --name mars --params mars/I1802ABC_Mars_global_geology/Shapefiles/I1802ABC_Mars2000_Sphere/geo_units_oc_dd.shp
Workspace mars opened!

geo-shell> **layer open** --workspace mars --layer geo_units_oc_dd
Opened Workspace mars Layer geo_units_oc_dd as mars:geo_units_oc_dd

geo-shell> **layer style set** --name mars:geo_units_oc_dd --style mars/units.sld
Style /Users/jericks/Projects/geo-shell/mars/units.sld set on mars:geo_units_oc_dd
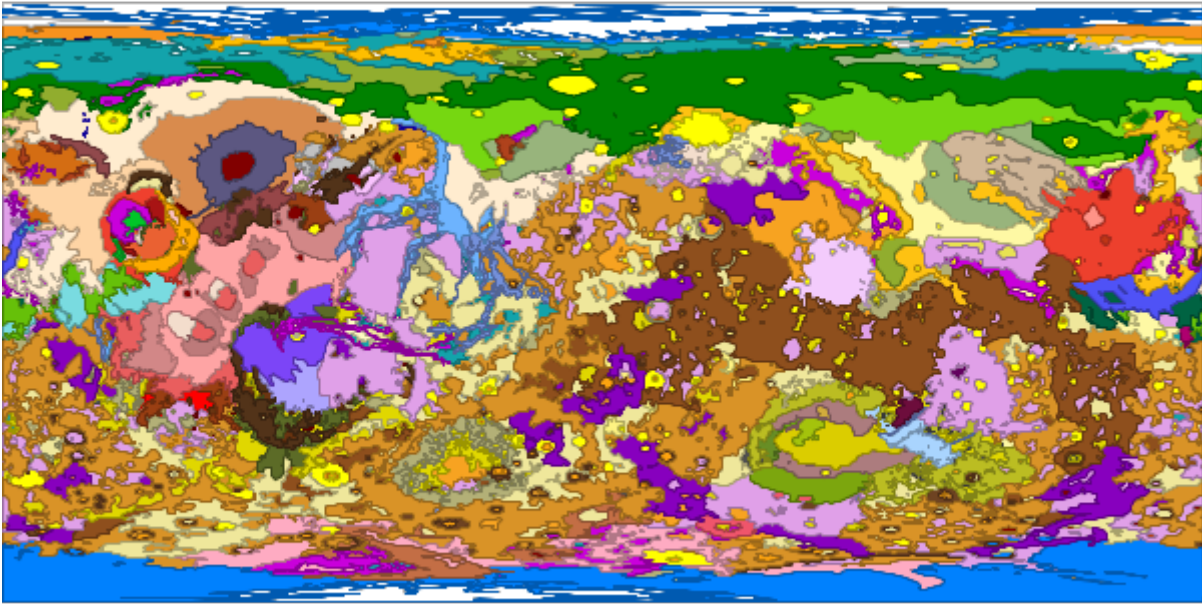
geo-shell> **map open** --name mars
Map mars opened!

geo-shell> **map add layer** --name mars --layer mars:geo_units_oc_dd
Added mars:geo_units_oc_dd layer to map mars

geo-shell> **map draw** --name mars
Done drawing /Users/jericks/Projects/geo-shell/image.png!

geo-shell> **map close** --name mars
Map mars closed!

geo-shell> **open** --file image.png
Opening /Users/jericks/Projects/geo-shell/image.png...

Unzip

Unzip a file

geo-shell> **unzip** --file mars.zip --directory mars

Name	Description	Mandatory	Specified Default	Unspecified Default
file	The zip file	true		
directory	The directory	true		

geo-shell> **unzip** --file mars.zip --directory mars
Unzipping /Users/jericks/Projects/geo-shell/mars.zip to /Users/jericks/Projects/geo-shell/mars

Open

Open a File.

geo-shell> **open** --file image.png

Name	Description	Mandatory	Specified Default	Unspecified Default
file	The File	true		

geo-shell> **open** --file image.png
Opening /Users/jericks/Projects/geo-shell/image.png...