Executing: LarvalDispersalLoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation "C:\Users\vyshna viswanath\Desktop\output\result1" "6/1/2018 12:00:13 PM" "6/2/2018 12:00:27 PM" 0 # Degrees false CUBIC Del2a 60 120 "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache"

Start Time: Thu Oct 29 12:02:57 2020

Running script LarvalDispersalLoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation...

GeoEco will now use ArcGIS Geoprocessor object 0x36DFB2A8 for ArcGIS operations.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Python27\\ArcGIS10.7\\lib\\site-packages\\GeoEco\\ArcGISToolbox\\Rasters\\dummyint',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x1A02B560>

ArcGIS Geoprocessor object 0x36DFB2A8: Get ParameterCount returned 13

This python script was invoked from an ArcGIS application.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(0,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1'

Parameter simulationDirectory = u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(1,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned '6/1/2018 12:00:13 PM'

Parameter startDate = datetime.datetime(2018, 6, 1, 12, 0, 13)

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(2,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned '6/2/2018 12:00:27 PM'

Parameter endDate = datetime.datetime(2018, 6, 2, 12, 0, 27)

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(3,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned '0'

Parameter depth = 0.0

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(4,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned ''

Parameter rotationOffset = None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(5,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned 'Degrees'

Parameter linearUnit = u'Degrees'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(6,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned 'false'

Parameter extendYExtent = False

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(7,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned 'CUBIC'

Parameter resamplingTechnique = u'CUBIC'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(8,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned 'Del2a'

Parameter interpolationMethod = u'Del2a'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(9,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned '60'

Parameter timeout = 60

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(10,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned '120'

Parameter maxRetryTime = 120

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking getparameterastext(\*args=(11,))...

ArcGIS Geoprocessor object 0x36DFB2A8: getparameterastext returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\res\_1\_cache'

Parameter cacheDirectory = u'C:\\Users\\vyshna viswanath\\Desktop\\output\\res\_1\_cache'

Executing method GeoEco.Connectivity.LarvalDispersal.LarvalDispersal.LoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation.

The directory C:\Users\vyshna viswanath\Desktop\output\result1 exists.

Directory C:\Users\vyshna viswanath\Desktop\output\result1 will not be created because it already exists.

The module GeoEco.AssimilatedModules.osgeo.osr has not been loaded yet.

Imported the GeoEco.AssimilatedModules.osgeo.osr module.

Directory C:\Users\vyshna viswanath\Desktop\output\result1 will not be created because it already exists.

Checking software dependency: aggregated Python module: pydap

Failed to import Python module pydap using the unaltered sys.path. The Python statement "\_\_import\_\_('pydap')" raised ImportError: No module named pydap"

Appended C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\AggregatedModules to sys.path.

Imported Python module pydap from directory C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\AggregatedModules\pydap.

OPeNDAPURL 0x36E45AD0: Opening OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis with pydap, timeout=60.

\_HYCOMGridGLBa0084D 0x36E45770: Retrieved lazy properties of Grid variable u of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis: Shape=(3723, 33, 3298, 4500), UnscaledDataType=float32.

Checking software dependency: aggregated Python module: pyparsing

Querying time and depth slices of u grid of the equatorial region of the HYCOM + NCODA Global 1/12 degree Analysis (GLBa0.08), clipped to indices tMin = 3543, tMax = 3544, zMax = 0.

GridSliceCollection 0x36E45270: Query result for t=0 (2018-06-01 00:00:00), z=0 (0.0): True

GridSliceCollection 0x36E45270: Query result for t=1 (2018-06-02 00:00:00), z=0 (0.0): True

Query complete: 0:00:00 elapsed, 2 datasets found, 0:00:00 per dataset.

OPeNDAPURL 0x36E45AD0: Closed OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking exists(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents',))...

ArcGIS Geoprocessor object 0x36DFB2A8: exists returned 0

Importing 2 datasets into ArcGIS Folder or Workspace C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents with mode "add".

Checking for existing destination datasets.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressor(\*args=('step', 'Checking for existing datasets', 0, 1000, 1))...

Executing: ZonalGeometryAsTable "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_ids" VALUE "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_geometry.dbf" 0.08

Start Time: Thu Oct 29 11:55:13 2020

Succeeded at Thu Oct 29 11:55:21 2020 (Elapsed Time: 7.79 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressor returned None

ArcGISRaster: ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img" does not exist.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressorposition(\*args=(500,))...

Executing: ZonalGeometryAsTable "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_ids" VALUE "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_geometry.dbf" 0.08

Start Time: Thu Oct 29 11:55:13 2020

Succeeded at Thu Oct 29 11:55:21 2020 (Elapsed Time: 7.79 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressorposition returned None

ArcGISRaster: ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" does not exist.

Finished checking: 0:00:00 elapsed, 2 datasets checked, 0:00:00 per dataset.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking resetprogressor(\*args=())...

Executing: ZonalGeometryAsTable "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_ids" VALUE "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_geometry.dbf" 0.08

Start Time: Thu Oct 29 11:55:13 2020

Succeeded at Thu Oct 29 11:55:21 2020 (Elapsed Time: 7.79 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: resetprogressor returned None

0 destination datasets already exist. Importing 2 datasets.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressor(\*args=('step', 'Importing 2 datasets', 0, 1000, 1))...

Executing: ZonalGeometryAsTable "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_ids" VALUE "C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\patch\_geometry.dbf" 0.08

Start Time: Thu Oct 29 11:55:13 2020

Succeeded at Thu Oct 29 11:55:21 2020 (Elapsed Time: 7.79 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressor returned None

ArcGISRaster: Creating directory "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CreateFolder\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1', 'OriginalHYCOMCurrents'))...

Executing: CreateFolder "C:\Users\vyshna viswanath\Desktop\output\result1" OriginalHYCOMCurrents

Start Time: Thu Oct 29 12:03:02 2020

Succeeded at Thu Oct 29 12:03:02 2020 (Elapsed Time: 0.01 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CreateFolder\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CreateFolder\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents', 'u'))...

Executing: CreateFolder "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents" u

Start Time: Thu Oct 29 12:03:02 2020

Succeeded at Thu Oct 29 12:03:02 2020 (Elapsed Time: 0.01 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CreateFolder\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CreateFolder\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u', '2018'))...

Executing: CreateFolder "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u" 2018

Start Time: Thu Oct 29 12:03:02 2020

Succeeded at Thu Oct 29 12:03:02 2020 (Elapsed Time: 0.01 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CreateFolder\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018'

ArcGISRaster: Creating ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img" with GDAL.

GDALDataset: Creating GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img" with the GDAL Erdas Imagine Images (.img) driver: xsize=4500, ysize=1782, bands=1, dataType=float32, options=['FORCETOPESTRING=YES', 'COMPRESSED=YES'], transform=[-20015089.93761323, 8895.595527828102, 0.0, 5937856.367771555, 0.0, -8895.595527828102], spatialRef='PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALDataset 0x371A35D0: Opening band 1.

GDALDataset 0x371A35D0: Setting NoData value of band 1 to 1.2676506002282294e+30.

OPeNDAPURL 0x372800F0: Opening OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis with pydap, timeout=60.

\_HYCOMGridGLBa0084D 0x37280670: Retrieved lazy properties of Grid variable u of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis: Shape=(3723, 33, 3298, 4500), UnscaledDataType=float32.

\_HYCOMGridGLBa0084D 0x37280670: Checking for cached data slices to fulfill a request for u[3543:3544,0:1,390:2172,0:4500] from OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37280670: No cached data slices found.

\_HYCOMGridGLBa0084D 0x37280670: Retrieving data slice u[3543:3544,0:1,390:2172,0:4500] of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37280670: Swapping the byte order of the returned data slice.

\_HYCOMGridGLBa0084D 0x37280670: Creating cache directory "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\u".

\_HYCOMGridGLBa0084D 0x37280670: Writing retrieved data slice u[3543:3544,0:1,390:2172,0:4500] to temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\u\tmpp2etff.tmp".

\_HYCOMGridGLBa0084D 0x37280670: Renaming temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\u\tmpp2etff.tmp" to "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\u\3543\_3544\_0\_1\_390\_2172\_0\_4500.dat".

GDALDataset 0x371A35D0: Retrieved lazy properties of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img": Bands=1, Dimensions=yx, Shape=(1782, 4500), CoordIncrements=(8895.595527828102, 8895.595527828102), CornerCoords=(-9909647.065054208, -20010642.139849316), PhysicalDimensions=yx, PhysicalDimensionsFlipped=(True, False), SpatialReference=u'PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALRasterBand 0x37280F50: Flipping the following axes prior to writing data: y

GDALRasterBand 0x37280F50: Retrieved lazy properties of band 1 of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img": UnscaledDataType=float32, UnscaledNoDataValue=array(1.2676506002282294e+30, dtype=float32).

GDALRasterBand 0x37280F50: Band 1: Writing a block of 4500 columns by 1782 rows at offsets x=0, y=0.

GDALDataset 0x371A35D0: Closing band 1.

GDALDataset 0x371A35D0: Closing GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

ArcGISRaster: Calculating statistics for ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CalculateStatistics\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img',))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:04:16 2020

Succeeded at Thu Oct 29 12:04:17 2020 (Elapsed Time: 0.64 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CalculateStatistics\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img'

Import in progress: 0:01:15 elapsed, 1 datasets imported, 0:01:15.378515 per dataset, 1 remaining, estimated completion time: unknown; more progress needed.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressor(\*args=('step', 'Importing 2 datasets', 0, 1000, 1))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:04:16 2020

Succeeded at Thu Oct 29 12:04:17 2020 (Elapsed Time: 0.64 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressor returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressorposition(\*args=(500,))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:04:16 2020

Succeeded at Thu Oct 29 12:04:17 2020 (Elapsed Time: 0.64 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressorposition returned None

ArcGISRaster: Creating ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" with GDAL.

GDALDataset: Creating GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" with the GDAL Erdas Imagine Images (.img) driver: xsize=4500, ysize=1782, bands=1, dataType=float32, options=['FORCETOPESTRING=YES', 'COMPRESSED=YES'], transform=[-20015089.93761323, 8895.595527828102, 0.0, 5937856.367771555, 0.0, -8895.595527828102], spatialRef='PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALDataset 0x37280930: Opening band 1.

GDALDataset 0x37280930: Setting NoData value of band 1 to 1.2676506002282294e+30.

\_HYCOMGridGLBa0084D 0x37280670: Checking for cached data slices to fulfill a request for u[3544:3545,0:1,390:2172,0:4500] from OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37280670: No cached data slices will be used to fulfill this request.

\_HYCOMGridGLBa0084D 0x37280670: Retrieving data slice u[3544:3545,0:1,390:2172,0:4500] of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37280670: Swapping the byte order of the returned data slice.

\_HYCOMGridGLBa0084D 0x37280670: Writing retrieved data slice u[3544:3545,0:1,390:2172,0:4500] to temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\u\tmpsydbu1.tmp".

\_HYCOMGridGLBa0084D 0x37280670: Renaming temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\u\tmpsydbu1.tmp" to "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\u\3544\_3545\_0\_1\_390\_2172\_0\_4500.dat".

GDALDataset 0x37280930: Retrieved lazy properties of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img": Bands=1, Dimensions=yx, Shape=(1782, 4500), CoordIncrements=(8895.595527828102, 8895.595527828102), CornerCoords=(-9909647.065054208, -20010642.139849316), PhysicalDimensions=yx, PhysicalDimensionsFlipped=(True, False), SpatialReference=u'PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALRasterBand 0x37280550: Flipping the following axes prior to writing data: y

GDALRasterBand 0x37280550: Retrieved lazy properties of band 1 of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img": UnscaledDataType=float32, UnscaledNoDataValue=array(1.2676506002282294e+30, dtype=float32).

GDALRasterBand 0x37280550: Band 1: Writing a block of 4500 columns by 1782 rows at offsets x=0, y=0.

GDALDataset 0x37280930: Closing band 1.

GDALDataset 0x37280930: Closing GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

ArcGISRaster: Calculating statistics for ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CalculateStatistics\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181530000.img',))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:05:11 2020

Succeeded at Thu Oct 29 12:05:12 2020 (Elapsed Time: 0.59 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CalculateStatistics\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181530000.img'

Import complete: 0:02:10 elapsed, 2 datasets imported, 0:01:05.253000 per dataset.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking resetprogressor(\*args=())...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:05:11 2020

Succeeded at Thu Oct 29 12:05:12 2020 (Elapsed Time: 0.59 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: resetprogressor returned None

OPeNDAPURL 0x372800F0: Closed OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

Directory C:\Users\vyshna viswanath\Desktop\output\result1 will not be created because it already exists.

Directory C:\Users\vyshna viswanath\Desktop\output\result1 will not be created because it already exists.

OPeNDAPURL 0x3727C8B0: Opening OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis with pydap, timeout=60.

\_HYCOMGridGLBa0084D 0x3727C290: Retrieved lazy properties of Grid variable v of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis: Shape=(3723, 33, 3298, 4500), UnscaledDataType=float32.

Querying time and depth slices of v grid of the equatorial region of the HYCOM + NCODA Global 1/12 degree Analysis (GLBa0.08), clipped to indices tMin = 3543, tMax = 3544, zMax = 0.

GridSliceCollection 0x3727C450: Query result for t=0 (2018-06-01 00:00:00), z=0 (0.0): True

GridSliceCollection 0x3727C450: Query result for t=1 (2018-06-02 00:00:00), z=0 (0.0): True

Query complete: 0:00:00 elapsed, 2 datasets found, 0:00:00.062500 per dataset.

OPeNDAPURL 0x3727C8B0: Closed OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking exists(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents',))...

ArcGIS Geoprocessor object 0x36DFB2A8: exists returned 1

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x37300F98>

ArcGIS Describe object 0x37300F98: Get DataType returned 'Folder'

ArcGIS Describe object 0x37300F98: Get DataType returned 'Folder'

ArcGIS Describe object 0x37300F98: Get DataType returned 'Folder'

Importing 2 datasets into ArcGIS Folder C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents with mode "add".

Checking for existing destination datasets.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressor(\*args=('step', 'Checking for existing datasets', 0, 1000, 1))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:05:11 2020

Succeeded at Thu Oct 29 12:05:12 2020 (Elapsed Time: 0.59 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressor returned None

ArcGISRaster: ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img" does not exist.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressorposition(\*args=(500,))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:05:11 2020

Succeeded at Thu Oct 29 12:05:12 2020 (Elapsed Time: 0.59 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressorposition returned None

ArcGISRaster: ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img" does not exist.

Finished checking: 0:00:00 elapsed, 2 datasets checked, 0:00:00 per dataset.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking resetprogressor(\*args=())...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:05:11 2020

Succeeded at Thu Oct 29 12:05:12 2020 (Elapsed Time: 0.59 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: resetprogressor returned None

0 destination datasets already exist. Importing 2 datasets.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressor(\*args=('step', 'Importing 2 datasets', 0, 1000, 1))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:05:11 2020

Succeeded at Thu Oct 29 12:05:12 2020 (Elapsed Time: 0.59 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressor returned None

ArcGISRaster: Creating directory "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CreateFolder\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents', 'v'))...

Executing: CreateFolder "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents" v

Start Time: Thu Oct 29 12:05:16 2020

Succeeded at Thu Oct 29 12:05:16 2020 (Elapsed Time: 0.01 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CreateFolder\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CreateFolder\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v', '2018'))...

Executing: CreateFolder "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v" 2018

Start Time: Thu Oct 29 12:05:16 2020

Succeeded at Thu Oct 29 12:05:16 2020 (Elapsed Time: 0.01 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CreateFolder\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018'

ArcGISRaster: Creating ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img" with GDAL.

GDALDataset: Creating GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img" with the GDAL Erdas Imagine Images (.img) driver: xsize=4500, ysize=1782, bands=1, dataType=float32, options=['FORCETOPESTRING=YES', 'COMPRESSED=YES'], transform=[-20015089.93761323, 8895.595527828102, 0.0, 5937856.367771555, 0.0, -8895.595527828102], spatialRef='PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALDataset 0x36E45830: Opening band 1.

GDALDataset 0x36E45830: Setting NoData value of band 1 to 1.2676506002282294e+30.

OPeNDAPURL 0x37276070: Opening OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis with pydap, timeout=60.

\_HYCOMGridGLBa0084D 0x37276F30: Retrieved lazy properties of Grid variable v of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis: Shape=(3723, 33, 3298, 4500), UnscaledDataType=float32.

\_HYCOMGridGLBa0084D 0x37276F30: Checking for cached data slices to fulfill a request for v[3543:3544,0:1,390:2172,0:4500] from OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37276F30: No cached data slices found.

\_HYCOMGridGLBa0084D 0x37276F30: Retrieving data slice v[3543:3544,0:1,390:2172,0:4500] of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37276F30: Swapping the byte order of the returned data slice.

\_HYCOMGridGLBa0084D 0x37276F30: Creating cache directory "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\v".

\_HYCOMGridGLBa0084D 0x37276F30: Writing retrieved data slice v[3543:3544,0:1,390:2172,0:4500] to temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\v\tmpjnayed.tmp".

\_HYCOMGridGLBa0084D 0x37276F30: Renaming temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\v\tmpjnayed.tmp" to "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\v\3543\_3544\_0\_1\_390\_2172\_0\_4500.dat".

GDALDataset 0x36E45830: Retrieved lazy properties of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img": Bands=1, Dimensions=yx, Shape=(1782, 4500), CoordIncrements=(8895.595527828102, 8895.595527828102), CornerCoords=(-9909647.065054208, -20010642.139849316), PhysicalDimensions=yx, PhysicalDimensionsFlipped=(True, False), SpatialReference=u'PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALRasterBand 0x37276CB0: Flipping the following axes prior to writing data: y

GDALRasterBand 0x37276CB0: Retrieved lazy properties of band 1 of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img": UnscaledDataType=float32, UnscaledNoDataValue=array(1.2676506002282294e+30, dtype=float32).

GDALRasterBand 0x37276CB0: Band 1: Writing a block of 4500 columns by 1782 rows at offsets x=0, y=0.

GDALDataset 0x36E45830: Closing band 1.

GDALDataset 0x36E45830: Closing GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

ArcGISRaster: Calculating statistics for ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CalculateStatistics\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018\\v20181520000.img',))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:06:21 2020

Succeeded at Thu Oct 29 12:06:21 2020 (Elapsed Time: 0.61 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CalculateStatistics\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018\\v20181520000.img'

Import in progress: 0:01:05 elapsed, 1 datasets imported, 0:01:05.345156 per dataset, 1 remaining, estimated completion time: unknown; more progress needed.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressor(\*args=('step', 'Importing 2 datasets', 0, 1000, 1))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:06:21 2020

Succeeded at Thu Oct 29 12:06:21 2020 (Elapsed Time: 0.61 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressor returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking setprogressorposition(\*args=(500,))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:06:21 2020

Succeeded at Thu Oct 29 12:06:21 2020 (Elapsed Time: 0.61 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: setprogressorposition returned None

ArcGISRaster: Creating ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img" with GDAL.

GDALDataset: Creating GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img" with the GDAL Erdas Imagine Images (.img) driver: xsize=4500, ysize=1782, bands=1, dataType=float32, options=['FORCETOPESTRING=YES', 'COMPRESSED=YES'], transform=[-20015089.93761323, 8895.595527828102, 0.0, 5937856.367771555, 0.0, -8895.595527828102], spatialRef='PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALDataset 0x36E45830: Opening band 1.

GDALDataset 0x36E45830: Setting NoData value of band 1 to 1.2676506002282294e+30.

\_HYCOMGridGLBa0084D 0x37276F30: Checking for cached data slices to fulfill a request for v[3544:3545,0:1,390:2172,0:4500] from OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37276F30: No cached data slices will be used to fulfill this request.

\_HYCOMGridGLBa0084D 0x37276F30: Retrieving data slice v[3544:3545,0:1,390:2172,0:4500] of OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

\_HYCOMGridGLBa0084D 0x37276F30: Swapping the byte order of the returned data slice.

\_HYCOMGridGLBa0084D 0x37276F30: Writing retrieved data slice v[3544:3545,0:1,390:2172,0:4500] to temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\v\tmprzaoup.tmp".

\_HYCOMGridGLBa0084D 0x37276F30: Renaming temporary cache file "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\v\tmprzaoup.tmp" to "C:\Users\vyshna viswanath\Desktop\output\res\_1\_cache\http\tds.hycom.org\thredds\dodsC\glb\_analysis\v\3544\_3545\_0\_1\_390\_2172\_0\_4500.dat".

GDALDataset 0x36E45830: Retrieved lazy properties of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img": Bands=1, Dimensions=yx, Shape=(1782, 4500), CoordIncrements=(8895.595527828102, 8895.595527828102), CornerCoords=(-9909647.065054208, -20010642.139849316), PhysicalDimensions=yx, PhysicalDimensionsFlipped=(True, False), SpatialReference=u'PROJCS["Mercator",GEOGCS["GCS\_unnamed ellipse",DATUM["D\_unknown",SPHEROID["Unknown",6371001,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central\_meridian",-105.88],PARAMETER["false\_easting",0],PARAMETER["false\_northing",0],UNIT["Meter",1],PARAMETER["standard\_parallel\_1",0.0]]'.

GDALRasterBand 0x37276B30: Flipping the following axes prior to writing data: y

GDALRasterBand 0x37276B30: Retrieved lazy properties of band 1 of GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img": UnscaledDataType=float32, UnscaledNoDataValue=array(1.2676506002282294e+30, dtype=float32).

GDALRasterBand 0x37276B30: Band 1: Writing a block of 4500 columns by 1782 rows at offsets x=0, y=0.

GDALDataset 0x36E45830: Closing band 1.

GDALDataset 0x36E45830: Closing GDAL dataset "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

ArcGISRaster: Calculating statistics for ArcGIS raster "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img".

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CalculateStatistics\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018\\v20181530000.img',))...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:06:45 2020

Succeeded at Thu Oct 29 12:06:46 2020 (Elapsed Time: 0.57 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CalculateStatistics\_management returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018\\v20181530000.img'

Import complete: 0:01:29 elapsed, 2 datasets imported, 0:00:44.833000 per dataset.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking resetprogressor(\*args=())...

Executing: CalculateStatistics "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181530000.img" 1 1 # OVERWRITE "Feature Set"

Start Time: Thu Oct 29 12:06:45 2020

Succeeded at Thu Oct 29 12:06:46 2020 (Elapsed Time: 0.57 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: resetprogressor returned None

OPeNDAPURL 0x37276070: Closed OPeNDAP URL http://tds.hycom.org/thredds/dodsC/glb\_analysis.

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

Created temporary directory C:\Temp\GeoEcoTemp\_vyshna viswanath\tmphvvyfs

The directory C:\Temp\GeoEcoTemp\_vyshna viswanath exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

Refreshed the ArcGIS catalog for directory C:\Temp\GeoEcoTemp\_vyshna viswanath

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

Created temporary directory C:\Temp\GeoEcoTemp\_vyshna viswanath\tmpaaesb6

The directory C:\Temp\GeoEcoTemp\_vyshna viswanath exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

Refreshed the ArcGIS catalog for directory C:\Temp\GeoEcoTemp\_vyshna viswanath

ArcGIS Geoprocessor object 0x36DFB2A8: Set ScratchWorkspace to 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmpaaesb6'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking SingleOutputMapAlgebra\_sa(\*args=('setnull(C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\PatchData\\water\_mask == 0, C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\PatchData\\water\_mask)', 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask'))...

Executing: SingleOutputMapAlgebra setnull(C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\water\_mask == 0, C:\Users\vyshna viswanath\Desktop\output\result1\PatchData\water\_mask) "C:\Temp\GeoEcoTemp\_vyshna viswanath\tmphvvyfs\water\_mask" #

Start Time: Thu Oct 29 12:06:46 2020

Succeeded at Thu Oct 29 12:06:48 2020 (Elapsed Time: 1.54 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: SingleOutputMapAlgebra\_sa returned 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask'

ArcGIS Geoprocessor object 0x36DFB2A8: Set ScratchWorkspace to 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

Deleted directory C:\Temp\GeoEcoTemp\_vyshna viswanath\tmpaaesb6

The directory C:\Temp\GeoEcoTemp\_vyshna viswanath exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

Refreshed the ArcGIS catalog for directory C:\Temp\GeoEcoTemp\_vyshna viswanath

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730CEA8>

ArcGIS Describe object 0x3730CEA8: Get DataType returned 'Folder'

The ArcGIS workspace C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents exists.

Directory C:\Users\vyshna viswanath\Desktop\output\result1 will not be created because it already exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730CE48>

ArcGIS Describe object 0x3730CE48: Get DataType returned 'RasterDataset'

The ArcGIS raster, raster layer, or raster band C:\Temp\GeoEcoTemp\_vyshna viswanath\tmphvvyfs\water\_mask exists.

Invoking <bound method type.FindAndCreateTable of <class 'GeoEco.DataManagement.ArcGISRasters.ArcGISRaster'>>(u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents', connection, u'work', rasterField=u'inputRaster', wildcard=u'\*.img', searchTree=True, rasterType=None)...

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x36E0BC08>

ArcGIS Describe object 0x36E0BC08: Get DataType returned 'Folder'

The ArcGIS workspace C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents exists.

InMemoryDatabaseConnection 0x36F4B650: Creating table u'work', templates = None

InMemoryDatabaseConnection 0x36F4B650: Adding field u'inputRaster' to table u'work', dataType=u'text', isNullable=None, length=None, precision=None, scale=None, alias=None, isRequired=None, domain=None

InMemoryInsertCursor 0x36E5C570: Opening cursor: connection = InMemoryDatabaseConnection 0x36F4B650, table = u'work', spatialReference = None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730CDD0>

ArcGIS Describe object 0x3730CDD0: Get DataType returned 'Folder'

The ArcGIS workspace C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents exists.

Finding ArcGIS rasters and inserting rows into table "work": workspace="C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents", wildcard="\*.img", searchTree=True, rasterType="None"

ArcGIS Geoprocessor object 0x36DFB2A8: Get Workspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listrasters(\*args=('\*.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listrasters returned <geoprocessing list object object at 0x3730CD70>

ArcGIS Enumeration object 0x3730CD70: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CD70: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listworkspaces(\*args=('\*',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listworkspaces returned <geoprocessing list object object at 0x3730CC38>

ArcGIS Enumeration object 0x3730CC38: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CC38: next returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730CF68>

ArcGIS Describe object 0x3730CF68: Get DataType returned 'Folder'

ArcGIS Enumeration object 0x3730CC38: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CC38: next returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730CB78>

ArcGIS Describe object 0x3730CB78: Get DataType returned 'Folder'

ArcGIS Enumeration object 0x3730CC38: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CC38: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Get Workspace returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listrasters(\*args=('\*.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listrasters returned <geoprocessing list object object at 0x3730CC38>

ArcGIS Enumeration object 0x3730CC38: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CC38: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listworkspaces(\*args=('\*',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listworkspaces returned <geoprocessing list object object at 0x3730CB18>

ArcGIS Enumeration object 0x3730CB18: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CB18: next returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730CF20>

ArcGIS Describe object 0x3730CF20: Get DataType returned 'Folder'

ArcGIS Enumeration object 0x3730CB18: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CB18: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Get Workspace returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listrasters(\*args=('\*.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listrasters returned <geoprocessing list object object at 0x3730CAD0>

ArcGIS Enumeration object 0x3730CAD0: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CAD0: next returned 'u20181520000.img'

Found raster C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img

ArcGIS Enumeration object 0x3730CAD0: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CAD0: next returned 'u20181530000.img'

Found raster C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181530000.img

ArcGIS Enumeration object 0x3730CAD0: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CAD0: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listworkspaces(\*args=('\*',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listworkspaces returned <geoprocessing list object object at 0x3730CA58>

ArcGIS Enumeration object 0x3730CA58: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CA58: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents'

ArcGIS Geoprocessor object 0x36DFB2A8: Get Workspace returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listrasters(\*args=('\*.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listrasters returned <geoprocessing list object object at 0x3730CAA0>

ArcGIS Enumeration object 0x3730CAA0: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CAA0: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listworkspaces(\*args=('\*',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listworkspaces returned <geoprocessing list object object at 0x3730CA10>

ArcGIS Enumeration object 0x3730CA10: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CA10: next returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730CC80>

ArcGIS Enumeration object 0x3730CA10: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CA10: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Get Workspace returned 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018'

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listrasters(\*args=('\*.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listrasters returned <geoprocessing list object object at 0x3730CA10>

ArcGIS Enumeration object 0x3730CA10: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CA10: next returned 'v20181520000.img'

Found raster C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\v\2018\v20181520000.img

ArcGIS Enumeration object 0x3730CA10: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CA10: next returned 'v20181530000.img'

ArcGIS Enumeration object 0x3730CA10: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730CA10: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking listworkspaces(\*args=('\*',))...

ArcGIS Geoprocessor object 0x36DFB2A8: listworkspaces returned <geoprocessing list object object at 0x3730C998>

ArcGIS Enumeration object 0x3730C998: Invoking next(\*args=())...

ArcGIS Enumeration object 0x3730C998: next returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents'

ArcGIS Geoprocessor object 0x36DFB2A8: Set Workspace to 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

InMemoryInsertCursor 0x36E5C570: Set field inputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img'.

InMemoryInsertCursor 0x36E5C570: Inserted row.

InMemoryInsertCursor 0x36E5C570: Set field inputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181530000.img'.

InMemoryInsertCursor 0x36E5C570: Inserted row.

InMemoryInsertCursor 0x36E5C570: Set field inputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018\\v20181520000.img'.

InMemoryInsertCursor 0x36E5C570: Inserted row.

InMemoryInsertCursor 0x36E5C570: Set field inputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018\\v20181530000.img'.

InMemoryInsertCursor 0x36E5C570: Inserted row.

InMemoryInsertCursor 0x36E5C570: closing cursor.

InMemoryDatabaseConnection 0x36F4B650: Adding field u'outputRaster' to table u'work', dataType=u'string', isNullable=None, length=None, precision=None, scale=None, alias=None, isRequired=None, domain=None

Invoking <bound method type.CalculateField of <class 'GeoEco.DataManagement.Fields.Field'>>(connection, u'work', u'outputRaster', pythonExpression=u'os.path.join(outputWorkspace, inputRaster[len(workspaceToSearch)+1:])', modulesToImport=[u'os'], statementsToExecFirst=[u"import inspect\nf = inspect.currentframe()\ntry:\n workspaceToSearch = f.f\_back.f\_back.f\_back.f\_back.f\_back.f\_locals['inputWorkspace']\n outputWorkspace = f.f\_back.f\_back.f\_back.f\_back.f\_back.f\_locals['outputWorkspace']\nfinally:\n del f\n"], statementsToExecPerRow=[u'inputRaster = row.inputRaster'])...

Importing module os.

InMemoryDatabaseConnection 0x36F4B650: Table u'work' has 4 rows

InMemoryUpdateCursor 0x3727CF90: Opening cursor: connection = InMemoryDatabaseConnection 0x36F4B650, table = u'work', fields = None, where = None, orderBy = None, directions = None, spatialReference = None

InMemoryUpdateCursor 0x3727CF90: Retrieved row 0.

InMemoryUpdateCursor 0x3727CF90: Get field inputRaster returned u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img'.

InMemoryUpdateCursor 0x3727CF90: Set field outputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u\\2018\\u20181520000.img'.

InMemoryUpdateCursor 0x3727CF90: Updated row.

InMemoryUpdateCursor 0x3727CF90: Get field inputRaster returned u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181530000.img'.

InMemoryUpdateCursor 0x3727CF90: Set field outputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u\\2018\\u20181530000.img'.

InMemoryUpdateCursor 0x3727CF90: Updated row.

InMemoryUpdateCursor 0x3727CF90: Retrieved row 2.

InMemoryUpdateCursor 0x3727CF90: Set field outputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\v\\2018\\v20181520000.img'.

InMemoryUpdateCursor 0x3727CF90: Updated row.

InMemoryUpdateCursor 0x3727CF90: Retrieved row 3.

InMemoryUpdateCursor 0x3727CF90: Get field inputRaster returned u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\v\\2018\\v20181530000.img'.

InMemoryUpdateCursor 0x3727CF90: Set field outputRaster to u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\v\\2018\\v20181530000.img'.

InMemoryUpdateCursor 0x3727CF90: Updated row.

InMemoryUpdateCursor 0x3727CF90: No more rows available.

InMemoryUpdateCursor 0x3727CF90: closing cursor.

Invoking <bound method type.ProjectToTemplateTable of <class 'GeoEco.DataManagement.ArcGISRasters.ArcGISRaster'>>(<GeoEco.DatabaseAccess.InMemory.InMemoryDatabaseConnection object at 0x36F4B650>, u'work', u'inputRaster', u'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask', u'outputRaster', u'cubic', u'del2a', None, True, None, None, None, [u'inputRaster'], [u'Ascending'], True, False)...

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730C9E0>

ArcGIS Describe object 0x3730C9E0: Get DataType returned 'RasterDataset'

The ArcGIS raster, raster layer, or raster band C:\Temp\GeoEcoTemp\_vyshna viswanath\tmphvvyfs\water\_mask exists.

InMemoryDatabaseConnection 0x36F4B650: Table u'work' exists

Querying the table "work" to build lists of inputs and outputs...

InMemoryDatabaseConnection 0x36F4B650: Table u'work' has 4 rows

InMemorySelectCursor 0x3727CD50: Retrieved row 0.

InMemorySelectCursor 0x3727CD50: Get field inputRaster returned u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img'.

InMemorySelectCursor 0x3727CD50: Get field outputRaster returned u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u\\2018\\u20181520000.img'.

InMemorySelectCursor 0x3727CD50: Retrieved row 2.

InMemorySelectCursor 0x3727CD50: Get field outputRaster returned u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\v\\2018\\v20181520000.img'.

InMemorySelectCursor 0x3727CD50: Retrieved row 3.

Query complete: 0:00:00 elapsed, 4 rows retrieved, 0:00:00.019500 per row.

InMemorySelectCursor 0x3727CD50: No more rows available.

InMemorySelectCursor 0x3727CD50: closing cursor.

The inputRasterList parameter contains 4 items, but to minimize execution time, only the first 0 items will be validated. If an invalid item is present, unexpected results may occur.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730BF80>

ArcGIS Describe object 0x3730BF80: Get DataType returned 'RasterDataset'

The ArcGIS raster, raster layer, or raster band C:\Temp\GeoEcoTemp\_vyshna viswanath\tmphvvyfs\water\_mask exists.

The outputRasterList parameter contains 4 items, but to minimize execution time, only the first 0 items will be validated. If an invalid item is present, unexpected results may occur.

Enumerating the unique values in the list of inputs...

Checking for existing outputs for each input...

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking exists(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\v\\2018\\v20181520000.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: exists returned 0

The ArcGIS raster C:\Users\vyshna viswanath\Desktop\output\result1\Currents\v\2018\v20181520000.img does not exist.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking exists(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\v\\2018\\v20181530000.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: exists returned 0

The ArcGIS raster C:\Users\vyshna viswanath\Desktop\output\result1\Currents\v\2018\v20181530000.img does not exist.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking exists(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u\\2018\\u20181520000.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: exists returned 0

The ArcGIS raster C:\Users\vyshna viswanath\Desktop\output\result1\Currents\u\2018\u20181520000.img does not exist.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking exists(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u\\2018\\u20181530000.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: exists returned 0

The ArcGIS raster C:\Users\vyshna viswanath\Desktop\output\result1\Currents\u\2018\u20181530000.img does not exist.

Finished checking for existing outputs: 0:00:00 elapsed, 4 inputs checked, 0:00:00.121000 per input.

Processing 4 inputs...

Invoking <bound method type.ProjectToTemplate of <class 'GeoEco.DataManagement.ArcGISRasters.ArcGISRaster'>>(u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img', u'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask', u'C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u\\2018\\u20181520000.img', u'cubic', u'del2a', None, True, None, None, False)...

The ArcGIS raster, raster layer, or raster band C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730BED8>

ArcGIS Describe object 0x3730BED8: Get DataType returned 'RasterDataset'

The ArcGIS raster, raster layer, or raster band C:\Temp\GeoEcoTemp\_vyshna viswanath\tmphvvyfs\water\_mask exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking exists(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u\\2018\\u20181520000.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: exists returned 0

The ArcGIS raster C:\Users\vyshna viswanath\Desktop\output\result1\Currents\u\2018\u20181520000.img does not exist.

Created directory C:\Users\vyshna viswanath\Desktop\output\result1\Currents\u\2018.

The directory C:\Users\vyshna viswanath\Desktop\output\result1\Currents\u exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\Currents\\u',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

Refreshed the ArcGIS catalog for directory C:\Users\vyshna viswanath\Desktop\output\result1\Currents\u

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730BCE0>

ArcGIS Describe object 0x3730BCE0: Get SpatialReference returned <geoprocessing spatial reference object object at 0x3730BD10>

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CreateSpatialReference\_management(\*args=(<geoprocessing spatial reference object object at 0x3730BD10>,))...

Executing: CreateSpatialReference "PROJCS['WGS\_1984\_UTM\_Zone\_46N',GEOGCS['GCS\_WGS\_1984',DATUM['D\_WGS\_1984',SPHEROID['WGS\_1984',6378137.0,298.257223563]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]],PROJECTION['Transverse\_Mercator'],PARAMETER['False\_Easting',500000.0],PARAMETER['False\_Northing',0.0],PARAMETER['Central\_Meridian',93.0],PARAMETER['Scale\_Factor',0.9996],PARAMETER['Latitude\_Of\_Origin',0.0],UNIT['Meter',1.0]];-5120900 -9998100 450445547.391054;-100000 10000;-100000 10000;0.001;0.001;0.001;IsHighPrecision" # # # # # 0

Start Time: Thu Oct 29 12:06:51 2020

Spatial Reference = WGS\_1984\_UTM\_Zone\_46N

XY Domain (XMin,YMin XMax,YMax) = -5120900,-9998100 14875300,9998100

Z Domain (Min,Max) = -100000,900719825474.099

M Domain (Min,Max) = -100000,900719825474.099

Succeeded at Thu Oct 29 12:06:51 2020 (Elapsed Time: 0.00 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CreateSpatialReference\_management returned "PROJCS['WGS\_1984\_UTM\_Zone\_46N',GEOGCS['GCS\_WGS\_1984',DATUM['D\_WGS\_1984',SPHEROID['WGS\_1984',6378137.0,298.257223563]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]],PROJECTION['Transverse\_Mercator'],PARAMETER['False\_Easting',500000.0],PARAMETER['False\_Northing',0.0],PARAMETER['Central\_Meridian',93.0],PARAMETER['Scale\_Factor',0.9996],PARAMETER['Latitude\_Of\_Origin',0.0],UNIT['Meter',1.0]];-5120900 -9998100 450445547.391054;-100000 10000;-100000 10000;0.001;0.001;0.001;IsHighPrecision"

ArcGIS Describe object 0x3730BCE0: Get Extent returned '90.99167 3.99167 98.99167 17.99167'

ArcGIS Describe object 0x3730BCE0: Get MeanCellWidth returned 0.08

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking describe(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img',))...

ArcGIS Geoprocessor object 0x36DFB2A8: describe returned <geoprocessing describe data object object at 0x3730BE00>

ArcGIS Describe object 0x3730BE00: Get SpatialReference returned <geoprocessing spatial reference object object at 0x3730BF20>

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking CreateSpatialReference\_management(\*args=(<geoprocessing spatial reference object object at 0x3730BF20>,))...

Executing: CreateSpatialReference "PROJCS['unnamed\_ellipse\_Mercator',GEOGCS['GCS\_unnamed\_ellipse',DATUM['D\_unknown',SPHEROID['Unknown',6371001.0,0.0]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]],PROJECTION['Mercator'],PARAMETER['false\_easting',0.0],PARAMETER['false\_northing',0.0],PARAMETER['central\_meridian',-105.88],PARAMETER['standard\_parallel\_1',0.0],UNIT['Meter',1.0]];-20015200 -30207300 149089777.218437;-100000 10000;-100000 10000;0.001;0.001;0.001;IsHighPrecision" # # # # # 0

Start Time: Thu Oct 29 12:06:51 2020

Spatial Reference = unnamed\_ellipse\_Mercator

XY Domain (XMin,YMin XMax,YMax) = -20015200,-30207300 40399400,30207300

Z Domain (Min,Max) = -100000,900719825474.099

M Domain (Min,Max) = -100000,900719825474.099

Succeeded at Thu Oct 29 12:06:51 2020 (Elapsed Time: 0.00 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: CreateSpatialReference\_management returned "PROJCS['unnamed\_ellipse\_Mercator',GEOGCS['GCS\_unnamed\_ellipse',DATUM['D\_unknown',SPHEROID['Unknown',6371001.0,0.0]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]],PROJECTION['Mercator'],PARAMETER['false\_easting',0.0],PARAMETER['false\_northing',0.0],PARAMETER['central\_meridian',-105.88],PARAMETER['standard\_parallel\_1',0.0],UNIT['Meter',1.0]];-20015200 -30207300 149089777.218437;-100000 10000;-100000 10000;0.001;0.001;0.001;IsHighPrecision"

ArcGIS Describe object 0x3730BE00: Get Extent returned '-20015089.9376132 -9914094.86281812 20015089.9376132 5937856.36777155'

ArcGIS Describe object 0x3730BE00: Get MeanCellWidth returned 8895.595527828102

The template raster's coordinate system is not the same as the input raster's. Setting gp.Extent to the extent of the template in the input raster's coordinate system.

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

ArcGIS Geoprocessor object 0x36DFB2A8: Get ScratchWorkspace returned 'C:\\Users\\vyshna viswanath\\Documents\\ArcGIS\\Default.gdb'

Created temporary directory C:\Temp\GeoEcoTemp\_vyshna viswanath\tmpty3efz

The directory C:\Temp\GeoEcoTemp\_vyshna viswanath exists.

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking refreshcatalog(\*args=('C:\\Temp\\GeoEcoTemp\_vyshna viswanath',))...

ArcGIS Geoprocessor object 0x36DFB2A8: refreshcatalog returned None

Refreshed the ArcGIS catalog for directory C:\Temp\GeoEcoTemp\_vyshna viswanath

ArcGIS Geoprocessor object 0x36DFB2A8: Get Extent returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Set Extent to '-18503720.328145653 -88951.95199205661 -18325800.448016755 88973.99930792075'

ArcGIS Geoprocessor object 0x36DFB2A8: Get SnapRaster returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Set SnapRaster to 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmphvvyfs\\water\_mask'

ArcGIS Geoprocessor object 0x36DFB2A8: Get OutputCoordinateSystem returned None

ArcGIS Geoprocessor object 0x36DFB2A8: Set OutputCoordinateSystem to "PROJCS['WGS\_1984\_UTM\_Zone\_46N',GEOGCS['GCS\_WGS\_1984',DATUM['D\_WGS\_1984',SPHEROID['WGS\_1984',6378137.0,298.257223563]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]],PROJECTION['Transverse\_Mercator'],PARAMETER['False\_Easting',500000.0],PARAMETER['False\_Northing',0.0],PARAMETER['Central\_Meridian',93.0],PARAMETER['Scale\_Factor',0.9996],PARAMETER['Latitude\_Of\_Origin',0.0],UNIT['Meter',1.0]]"

ArcGIS Geoprocessor object 0x36DFB2A8: Invoking Resample\_management(\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img', 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmpty3efz\\projected.img', 0.08, 'cubic'))...

Executing: Resample "C:\Users\vyshna viswanath\Desktop\output\result1\OriginalHYCOMCurrents\u\2018\u20181520000.img" "C:\Temp\GeoEcoTemp\_vyshna viswanath\tmpty3efz\projected.img" "0.08 0.08" CUBIC

Start Time: Thu Oct 29 12:06:52 2020

ERROR 999999: Error executing function.

Failed to create raster dataset

Failed to execute (Resample).

Failed at Thu Oct 29 12:06:52 2020 (Elapsed Time: 0.53 seconds)

ArcGIS Geoprocessor object 0x36DFB2A8: Set OutputCoordinateSystem to ''

ArcGIS Geoprocessor object 0x36DFB2A8: Set SnapRaster to ''

ArcGIS Geoprocessor object 0x36DFB2A8: Set Extent to ''

ArcGISError: The ArcGIS Resample\_management geoprocessing tool failed when given the parameters (\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img', 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmpty3efz\\projected.img', 0.08, 'cubic')) and reported ExecuteError: ERROR 999999: Error executing function.

Failed to create raster dataset

Failed to execute (Resample).

---------- BEGINNING OF DEBUGGING INFORMATION ----------

Traceback (most recent call last):

File "C:\Program Files\GeoEco\ArcGISToolbox\Scripts\LarvalDispersalLoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation.py", line 5, in <module>

ExecuteMethodFromCommandLineAsArcGISTool('GeoEco.Connectivity.LarvalDispersal', 'LarvalDispersal', 'LoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation')

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\ArcGISScripts.py", line 210, in ExecuteMethodFromCommandLineAsArcGISTool

exec sourceCode in globals(), locals()

File "<string>", line 1, in <module>

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\Connectivity\LarvalDispersal.py", line 312, in LoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation

cls.\_FinishLoadingCurrents(simulationDirectory, scp, thisCurrentsProduct, u'Center', 86400, hycomCurrentsDirectory, resamplingTechnique, interpolationMethod)

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\Connectivity\LarvalDispersal.py", line 403, in \_FinishLoadingCurrents

skipExisting=True)

File "<string>", line 7, in FindAndProjectRastersToTemplate

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\BatchProcessing.py", line 2137, in ExecuteFindAndProcessMethod

boundProcessTableMethod(\*tuple(argList))

File "<string>", line 5, in ProjectToTemplateTable

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\BatchProcessing.py", line 1271, in ExecuteProcessTableMethod

results = boundProcessListMethod(\*tuple(argList))

File "<string>", line 5, in ProjectToTemplateList

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\BatchProcessing.py", line 888, in ExecuteProcessListMethod

result = boundMethod(\*tuple(argList))

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\DataManagement\ArcGISRasters.py", line 1949, in ProjectToTemplate

Logger.LogExceptionAsError()

File "<string>", line 2, in Resample\_management

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\ArcGIS.py", line 1313, in \_InvokeMethod

raise ArcGISError(\_(u'The ArcGIS %(tool)s geoprocessing tool failed when given the parameters %(params)s and reported %(error)s: %(msg)s') % {u'tool': methodName, u'params': inspect.formatargvalues(\_args, \_varargs, \_varkw, \_locals), u'error': e.\_\_class\_\_.\_\_name\_\_, u'msg': unicode(e)})

ArcGISError: The ArcGIS Resample\_management geoprocessing tool failed when given the parameters (\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img', 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmpty3efz\\projected.img', 0.08, 'cubic')) and reported ExecuteError: ERROR 999999: Error executing function.

Failed to create raster dataset

Failed to execute (Resample).

Local variables for stack frame: File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\ArcGIS.py", line 1335, in \_InvokeMethod:

\_args = []

\_locals = {'self': <GeoEco.ArcGIS.\_ArcGISObjectWrapper object at 0x36DE3210>, 'args': ('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img', 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmpty3efz\\projected.img', 0.08, 'cubic')}

\_varkw = None

e = ExecuteError('ERROR 999999: Error executing function.\nFailed to create raster dataset\nFailed to execute (Resample).\n',)

GeoEco is releasing its reference to ArcGIS Geoprocessor object 0x36DFB2A8 and will no longer use it for ArcGIS operations.

Failed script LarvalDispersalLoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation...

Traceback (most recent call last):

File "C:\Program Files\GeoEco\ArcGISToolbox\Scripts\LarvalDispersalLoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation.py", line 5, in <module>

ExecuteMethodFromCommandLineAsArcGISTool('GeoEco.Connectivity.LarvalDispersal', 'LarvalDispersal', 'LoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation')

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\ArcGISScripts.py", line 210, in ExecuteMethodFromCommandLineAsArcGISTool

exec sourceCode in globals(), locals()

File "<string>", line 1, in <module>

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\Connectivity\LarvalDispersal.py", line 312, in LoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation

cls.\_FinishLoadingCurrents(simulationDirectory, scp, thisCurrentsProduct, u'Center', 86400, hycomCurrentsDirectory, resamplingTechnique, interpolationMethod)

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\Connectivity\LarvalDispersal.py", line 403, in \_FinishLoadingCurrents

skipExisting=True)

File "<string>", line 7, in FindAndProjectRastersToTemplate

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\BatchProcessing.py", line 2137, in ExecuteFindAndProcessMethod

boundProcessTableMethod(\*tuple(argList))

File "<string>", line 5, in ProjectToTemplateTable

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\BatchProcessing.py", line 1271, in ExecuteProcessTableMethod

results = boundProcessListMethod(\*tuple(argList))

File "<string>", line 5, in ProjectToTemplateList

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\BatchProcessing.py", line 888, in ExecuteProcessListMethod

result = boundMethod(\*tuple(argList))

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\DataManagement\ArcGISRasters.py", line 1884, in ProjectToTemplate

gp.Resample\_management(inputRaster, projectedRaster, cellSize, resamplingTechnique)

File "<string>", line 2, in Resample\_management

File "C:\Python27\ArcGIS10.7\lib\site-packages\GeoEco\ArcGIS.py", line 1313, in \_InvokeMethod

raise ArcGISError(\_(u'The ArcGIS %(tool)s geoprocessing tool failed when given the parameters %(params)s and reported %(error)s: %(msg)s') % {u'tool': methodName, u'params': inspect.formatargvalues(\_args, \_varargs, \_varkw, \_locals), u'error': e.\_\_class\_\_.\_\_name\_\_, u'msg': unicode(e)})

ArcGISError: The ArcGIS Resample\_management geoprocessing tool failed when given the parameters (\*args=('C:\\Users\\vyshna viswanath\\Desktop\\output\\result1\\OriginalHYCOMCurrents\\u\\2018\\u20181520000.img', 'C:\\Temp\\GeoEcoTemp\_vyshna viswanath\\tmpty3efz\\projected.img', 0.08, 'cubic')) and reported ExecuteError: ERROR 999999: Error executing function.

Failed to create raster dataset

Failed to execute (Resample).

Failed to execute (LarvalDispersalLoadHYCOMGLBa0084DEquatorialCurrentsIntoSimulation).

Failed at Thu Oct 29 12:06:53 2020 (Elapsed Time: 3 minutes 56 seconds)