
Subject: Re: GeoTiff- grid

Posted by robinson.inj on Tue, 22 Jan 2008 22:40:14 GMT

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On Jan 22, 4:23 pm, David Fanning <n...@dfanning.com> wrote:

> robinson....@gmail.com writes:

>> David, I followed your examples but still have problems. In the uv

>> space my corners IDL and ENVI aggred

>> UpperLeftCoordinate:(-167346.0185E, 3677892.5566N)

>> LowerRightCoordinate:(1222128.8184E,2983386.7945N)

>> However in the lon/lat space i got:

>> IDL: UpperLeftCoordinate: (-98.555279E, 45.411655N)

>> LowerRightCoordinate: (-81.568627E,51.346972N)

>> ENVI: UpperLeftCoordinate: (-98.09914722E, 33.30501389N)

>> LowerRightCoordinate:(-84.82142500E, 27.55810278N)

>> My image has 3000 col x 1500 lin. The pix resolution is 463.3127
>> meters.

>

>> mercatorMap =3D MAP_PROJ_INIT('Mercator', \$

>> DATUM=3D8, \$; WGS84

>> CENTER_LATITUDE=3D20.000, \$

>> CENTER_LONGITUDE=3D-96.5000)

>

>> I tried different things but in all cases idl and envi did not match,

>> and I do not have any clue where is my error.

>

>> Any suggestion is welcome.

>

> Why don't you post the listgeo output, so we can see what it

> thinks the map projection is suppose to be.

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming (www.dfanning.com)

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")- Hide quoted text -

>

> - Show quoted text -

I hope it helps

Geotiff_Information:

Version: 1

Key_Revision: 1.0
Tagged_Information:
ModelTiepointTag (2,3):
0 0 0
-167346.019 3677892.56 0
ModelPixelScaleTag (1,3):
463.312717 463.312717 0
End_Of_Tags.
Keyed_Information:
GTModelTypeGeoKey (Short,1): ModelTypeProjected
GTRasterTypeGeoKey (Short,1): RasterPixellsArea
GeographicTypeGeoKey (Short,1): GCS_WGS_84
GeogLinearUnitsGeoKey (Short,1): Linear_Meter
GeogAngularUnitsGeoKey (Short,1): Angular_Degree
ProjectedCSTypeGeoKey (Short,1): User-Defined
ProjectionGeoKey (Short,1): User-Defined
ProjCoordTransGeoKey (Short,1): CT_Mercator
ProjLinearUnitsGeoKey (Short,1): Linear_Meter
ProjFalseEastingGeoKey (Double,1): 0
ProjFalseNorthingGeoKey (Double,1): 0
ProjCenterLongGeoKey (Double,1): -96.5
ProjCenterLatGeoKey (Double,1): 20
End_Of_Keys.
End_Of_Geotiff.

Projection Method: CT_Mercator
ProjNatOriginLatGeoKey: 20.000000 (20d 0' 0.00"N)
ProjNatOriginLongGeoKey: -96.500000 (96d30' 0.00"W)
ProjScaleAtNatOriginGeoKey: 1.000000
ProjFalseEastingGeoKey: 0.000000 m
ProjFalseNorthingGeoKey: 0.000000 m
GCS: 4326/WGS 84
Datum: 6326/World Geodetic System 1984
Ellipsoid: 7030/WGS 84 (6378137.00,6356752.31)
Prime Meridian: 8901/Greenwich (0.000000/ 0d 0' 0.00"E)
Projection Linear Units: 9001/metre (1.000000m)

Corner Coordinates:
Upper Left (-167346.019, 3677892.557)
Lower Left (-167346.019, 2982923.482)
Upper Right (1222592.131, 3677892.557)
Lower Right (1222592.131, 2982923.482)
Center (527623.056, 3330408.019)
