
Subject: Re: getting GeoTiff Information

Posted by [Steve McAlister](#) on Mon, 16 Aug 2010 20:01:11 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Aug 16, 11:22 am, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Aug 16, 2:04 pm, Steve McAlister <s.mcalist...@gmail.com> wrote:

>

>

>

>

>

>> geotiff keyword from read_tiff will give me projection information in

>> structure of GeoTiff like:

>

>> MODELPIXELSCALETAG

>> DOUBLE Array[3]

>> MODELTIEPOINTTAG

>> DOUBLE Array[6, 1]

>> GTMODELTYPEGEOKEY

>> INT 1

>> GTRASTERTYPEGEOKEY

>> INT 1

>> GEOGLINEARUNITSGEOKEY

>> INT 9001

>> GEOGANGULARUNITSGEOKEY

>> INT 9102

>> PROJECTEDCSTYPEGEOKEY

>> INT 26713

>

>> But, I want something more sensible for users to read like:

>

>> PCS: 'NAD83 / Massachusetts Mainland'

>> Projection: 'SPCS83 Massachusetts Mainland zone (m)'

>> MapSys: 'STATE_PLANE_83'

>> Zone: 2001

>> CTProjection: 'CT_LambertConfConic_2SP'

>> ProjParm: [7x1 double]

>> ProjParmId: {7x1 cell}

>> GCS: 'NAD83'

>> Datum: 'North American Datum 1983'

>> Ellipsoid: 'GRS 1980'

>

> Yes, the structure uses the numeric codes. Maybe David's geocoord

> (<http://www.dfanning.com/documents/programs.html#GEOCOORD>) can be

> useful in translating them into names.

>

> Also, see

>

> http://www.dfanning.com/map_tips/tiffoverlay.html

Thank you Paul! David's code was very helpful.
