

QGIS Application - Bug report #12591

NITF does not geolocate in 2.8

2015-04-17 05:21 AM - Bob Holcomb

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Rasters	
Affected QGIS version:	2.8.1	Regression?: No
Operating System:	Windows 7	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 20715
Description		
I have an application that generates NITF files as part of a radar simulation. The files geolocate properly in 2.6, but in 2.8 they do not. In 2.8 they appear at the origin without any geographic coordinates. I suspect it's something in the file, given that I'm a novice, but seeing correct behavior in 2.6 confuses me as to what it could be. Here is the output of gdalinfo of my file (generated from a 2.8 install): <pre>C:\Program Files\QGIS Wien\bin>gdalinfo.exe c:\MAK\RadarFX1.0-14APR15\userData\ adarFX\capture\2015-04-16-145903.ntf Driver: NITF/National Imagery Transmission Format Files: c:\MAK\RadarFX1.0-14APR15\userData\ adarFX\capture\2015-04-16-145903.ntf Size is 512, 512 Coordinate System is: GEOGCS["WGS 84", DATUM["WGS_1984", SPHEROID["WGS 84",6378137,298.257223563, AUTHORITY["EPSG","7030"]], TOWGS84[0,0,0,0,0,0,0], AUTHORITY["EPSG","6326"]], PRIMEM["Greenwich",0, AUTHORITY["EPSG","8901"]], UNIT["degree",0.0174532925199433, AUTHORITY["EPSG","9108"]], AUTHORITY["EPSG","4326"]] GeoTransform = -157.861875760274, 1.864579256360736e-005, 2.874755381604492e-006 21.34385038747554, 2.692759295499493e-006, -1.746771037181825e-005 Metadata: NITF_ABPP=08 NITF_BLOCKA_BLOCK_COUNT=01 NITF_BLOCKA_BLOCK_INSTANCE_01=01 NITF_BLOCKA_FRFC_LOC_01=+21.343843-157.861865 NITF_BLOCKA_FRLC_LOC_01=+21.345219-157.852337 NITF_BLOCKA_L_LINES_01=00512 NITF_BLOCKA_LAYOVER_ANGLE_01= NITF_BLOCKA_LRFC_LOC_01=+21.334917-157.860396 NITF_BLOCKA_LRLC_LOC_01=+21.336293-157.850868 NITF_BLOCKA_N_GRAY_01=00000 NITF_BLOCKA_SHADOW_ANGLE_01=</pre>		

NITF_CCS_COLUMN=0
NITF_CCS_ROW=0
NITF_CLEVEL=03
NITF_ENCRYP=0
NITF_FBKGC= 0, 0, 0
NITF_FDT=20080601100000
NITF_FHDR=NITF02.10
NITF_FSCATP=
NITF_FSCAUT=
NITF_FSCLAS=U
NITF_FSCLSY=
NITF_FSCLTX=
NITF_FSCODE=
NITF_FSCOP=00000
NITF_FSCPYS=00000
NITF_FSCRSN=
NITF_FSCTLH=
NITF_FSCTLN=
NITF_FSDCDT=
NITF_FSDCTP=
NITF_FSDCXM=
NITF_FSDG=
NITF_FSDGDT=
NITF_FSREL=
NITF_FSSRDT=
NITF_FTITLE=
NITF_IALVL=0
NITF_IC=NC
NITF_ICAT=SAR
NITF_ICORDS=D
NITF_IDATIM=20080601100000
NITF_IDLVL=1
NITF_IGEOLO=+21.344-157.862+21.345-157.852+21.336-157.851+21.335-157.860
NITF_IID1=0000000001
NITF_IID2=
NITF_ILOC_COLUMN=0
NITF_ILOC_ROW=0
NITF_IMAG=1.0
NITF_IMODE=B
NITF_IREP=MONO
NITF_ISCATP=
NITF_ISCAUT=
NITF_ISCLAS=U
NITF_ISCLSY=
NITF_ISCLTX=
NITF_ISCODE=
NITF_ISCRSN=
NITF_ISCTLH=
NITF_ISCTLN=
NITF_ISDCDT=
NITF_ISDCTP=
NITF_ISDCXM=
NITF_ISDG=

NITF_ISDGGDT=
NITF_ISORCE=RadarFX
NITF_ISREL=
NITF_ISSRDT=
NITF_ONAME=
NITF_OPHONE=
NITF_OSTAD=GDAL
NITF_PJUST=R
NITF_PVTYPE=INT
NITF_STYPE=BF01
NITF_TGTID=

Corner Coordinates:

Upper Left (-157.8618758, 21.3438504) (157d51'42.75"W, 21d20'37.86"N)

Lower Left (-157.8604039, 21.3349069) (157d51'37.45"W, 21d20' 5.66"N)

Upper Right (-157.8523291, 21.3452291) (157d51' 8.38"W, 21d20'42.82"N)

Lower Right (-157.8508572, 21.3362856) (157d51' 3.09"W, 21d20'10.63"N)

Center (-157.8563665, 21.3400680) (157d51'22.92"W, 21d20'24.24"N)

Band 1 Block=512x1 Type=Byte, ColorInterp=Gray

History

#1 - 2015-06-03 01:59 PM - Jürgen Fischer

- Status changed from Open to Feedback

Works fine on master here.

#2 - 2015-06-03 02:00 PM - Jürgen Fischer

- Category set to Rasters

#3 - 2015-06-04 03:36 AM - Giovanni Manghi

- Resolution set to fixed/implemented

- Status changed from Feedback to Closed

this has been fixed a few weeks ago by Nyall.

Files

2015-04-16-145903.ntf	257 KB	2015-04-17	Bob Holcomb
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