
Subject: writing text files with OPENW and PRINTF
Posted by [daevu](#) on Mon, 17 Apr 2006 19:28:38 GMT
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Folks...

Writing an input parameter file under windows for an external tool became my main easter occupation: Attached two parameter files: works.prm and dontwork.prm, both have the exact same content, but opened in notepad.exe the works.prm is all on one line, but it contains a carriage return information can be seen if opened eg. in MSWord. I tried to create a file with the same information using the code below, and end up with the file dontwork.prm: it looks exactly like the works.prm but will not be read by the external program (its the HEG tool to convert MODIS data actually)

- which format does the dontwork.prm have? obviously not standard MS-DOS
- are there ways to write in IDL under windows non MS-DOS formatted text files?

```
OPENW,LUN,'c:\dontwork.prm',/Get_lun
PRINTF,lun,"
PRINTF,lun,'NUM_RUNS = 1'
PRINTF,lun,"
PRINTF,lun,FORMAT = ('("NUM_RUNS = 1")'
PRINTF,lun,FORMAT = ('("BEGIN")'
PRINTF,lun,FORMAT = ('("NUMBER_INPUTFILES = 2")'
PRINTF,lun,FORMAT = ('("INPUT_FILENAMES
V:\modis\MOD13A1.A2005209.h18v03.004.2005232155359.hdf|V:\mo
dis\MOD13A1.A2005209.h18v04.004.2005233002951.hdf ")'
PRINTF,lun,FORMAT = ('("OBJECT_NAME = MODIS_Grid_16DAY_500m_VI|")'
PRINTF,lun,FORMAT = ('("FIELD_NAME = 500m 16 days NDVI|")'
PRINTF,lun,FORMAT = ('("BAND_NUMBER = 1")'
PRINTF,lun,FORMAT = ('("SPATIAL_SUBSET_UL_CORNER = ( 59.999999995 0.0 )")'
PRINTF,lun,FORMAT = ('("SPATIAL_SUBSET_LR_CORNER = ( 39.999999996
19.999999995 )")'
PRINTF,lun,FORMAT = ('("OUTPUT_OBJECT_NAME = MODIS_Grid_16DAY_500m_VI|")'
PRINTF,lun,FORMAT = ('("OUTGRID_X_PIXELSIZE = 463.312717")'
PRINTF,lun,FORMAT = ('("OUTGRID_Y_PIXELSIZE = 463.312717")'
PRINTF,lun,FORMAT = ('("OUTPUT_FILENAME =
V:\modis\MOD13A1.A2005209.h18v03.004.2005232155359_MODIS_Gri d_16DAY_500m_VI.tif
")'
PRINTF,lun,FORMAT = ('("SAVE_STITCHED_FILE = NO")'
PRINTF,lun,FORMAT = ('("OUTPUT_STITCHED_FILENAME =
V:\modis\MOD13A1.A2005209.h18v03.004.2005232155359_MODIS_Gri
d_16DAY_500m_VI_stitched_.hdf ")'
PRINTF,lun,FORMAT = ('("OUTPUT_TYPE = GEO")'
```

```
PRINTF,lun,FORMAT = ('RESAMPLING_TYPE = BI')
PRINTF,lun,FORMAT = ('OUTPUT_PROJECTION_TYPE = GEO')
PRINTF,lun,FORMAT = ('OUTPUT_PROJECTION_PARAMETERS = ( 0.0 0.0 0.0 0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 )')
PRINTF,lun,FORMAT = ('END')
PRINTF,lun,"
CLOSE,lun
FREE_lun,lun
```

Cheers

D.

```
NUM_RUNS = 1
```

```
BEGIN
NUMBER_INPUTFILES = 2
INPUT_FILENAMES = V:\modis\MOD13A1.A2005209.h18v03.004.2005232155359.hdf|V:\mo
dis\MOD13A1.A2005209.h18v04.004.2005233002951.hdf
OBJECT_NAME = MODIS_Grid_16DAY_500m_VI|
FIELD_NAME = 500m 16 days NDVI|
BAND_NUMBER = 1
SPATIAL_SUBSET_UL_CORNER = ( 59.999999995 0.0 )
SPATIAL_SUBSET_LR_CORNER = ( 39.999999996 19.999999995 )
OUTPUT_OBJECT_NAME = MODIS_Grid_16DAY_500m_VI|
OUTGRID_X_PIXELSIZE = 463.312717
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SAVE_STITCHED_FILE = NO
OUTPUT_STITCHED_FILENAME =
V:\modis\MOD13A1.A2005209.h18v03.004.2005232155359_MODIS_Gri
d_16DAY_500m_VI_stitched_.hdf
OUTPUT_TYPE = GEO
RESAMPLING_TYPE = BI
OUTPUT_PROJECTION_TYPE = GEO
OUTPUT_PROJECTION_PARAMETERS = ( 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
0.0 )
END
```

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OUTPUT_PROJECTION_TYPE = GEO
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0.0 )
END
```

File Attachments

- 1) [dontwork.prm](#), downloaded 138 times
 - 2) [works.prm](#), downloaded 125 times
-

Subject: Re: writing text files withe OPENW and PRINTF

Posted by [daevu](#) on Tue, 02 May 2006 20:13:01 GMT

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Ok the solution for me was:

download the tool called dos2unix from <http://www.bastet.com/>,
run(Spwan) it over the parameter file... and I was happy

D.

daevu schrieb:

> Folks...

>

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> PRINTF,lun,'NUM_RUNS = 1'
> PRINTF,lun,"
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> PRINTF,lun,FORMAT = ('("BEGIN")'
> PRINTF,lun,FORMAT = ('("NUMBER_INPUTFILES = 2")'
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> PRINTF,lun,FORMAT = ('("OBJECT_NAME = MODIS_Grid_16DAY_500m_VI|")'
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>
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> PRINTF,lun,FORMAT = ('("OUTPUT_STITCHED_FILENAME =
> V:\modis\MOD13A1.A2005209.h18v03.004.2005232155359_MODIS_Gri
d_16DAY_500m_VI_stitched_.hdf ")'
>
> PRINTF,lun,FORMAT = ('("OUTPUT_TYPE = GEO")'
> PRINTF,lun,FORMAT = ('("RESAMPLING_TYPE = BI")'
> PRINTF,lun,FORMAT = ('("OUTPUT_PROJECTION_TYPE = GEO")'
> PRINTF,lun,FORMAT = ('("OUTPUT_PROJECTION_PARAMETERS = ( 0.0 0.0 0.0 0.0
> 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 )")'
> PRINTF,lun,FORMAT = ('("END")'
> PRINTF,lun,"
> CLOSE,lun
> FREE_lun,lun
>
> Cheers

```

```

>
> D.
>
>
> -----
>
>
> NUM_RUNS = 1
>
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0.0 0.0 )
> END
>
>
>
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> END
>
```
