Subject: Re: Georectify airborne image data
Posted by Helder Marchetto on Wed, 30 Dec 2015 15:42:39 GMT
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On Wednesday, December 30, 2015 at 2:17:28 PM UTC, Spencer Wahrman wrote:
> Hello,
>
> I've written some code for georectifying airborne image data, but I'm stuck at one particular point. I'm reading in a GPS file and keep getting this error: READ_CSV: OPENR: Null filename not allowed - see code below.
>
> gps_csv_path = FILE_SEARCH(strjoin([HSI_parent_dir,'*GPS.csv']))
> all_POS_csv_files = FILE_SEARCH(strjoin([HSI_VNIR_data_dir,'*POS.csv']))
>
> ; check to see if the output directories we want exist, if they don't, then create them
> if (FILE_TEST(IGMGLT_dir) ne 1) then FILE_MKDIR, IGMGLT_dir
> if (FILE_TEST(georect_dir) ne 1) then FILE_MKDIR, georect_dir
>
> ;read in the elevation data
> elevation_geotiff = read_tiff(elevation_file,geotiff=elevation_tags)
>
> ;read in all the gps data and put it in a useable form
> gps_data = read_csv(gps_csv_path, HEADER=gpsHeader, N_TABLE_HEADER=1, TABLE_HEADER=gpsTableHeader)
> los_az_el = losAzElFromLosLatLon(gps_data)
> gps_data.field04 = los_az_el[*,0]
> gps_data.field03 = los_az_el[*,1]
>
> Does anything stand out to anyone out there? I appreciate the help.

Hi,
this error happens when the filename variable (in your case "gps_csv_path") is an empty string. If you inser the command:
help, gps_csv_path
IDL will write:
<Expression> STRING = ''

If then you try to use this variable to read in a csv file, it will through the error you mentioned.

How to solve it?
Check this line
gps_csv_path = FILE_SEARCH(strjoin([HSI_parent_dir,'*GPS.csv']))
How about using this:
gps_csv_path = FILE_SEARCH(HSI_parent_dir,'*GPS.csv')

Any better? If not, check the content of HSI_parent_dir and make sure it really points to a directory containing files ending with GPS.csv.

Cheers,
Helder