Subject: Re: number formats inputing ascii data
Posted by Craig Markwardt on Sat, 30 Apr 2005 20:35:54 GMT
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"Haje Korth" <haje.korth@jhuapl.edu> writes:
> Dave,
> I see two issues you can try:
> 1. You are defining aa=0l. Why do you define as a long if you want a double
> in the end? Try aa=0.0d0 and so on
> 2. Your combo array is defined as float (fltarr). Use dblarr to get a double
> precision array.

And,
3. The FORMAT keyword does not appear to be correct. For me to get it to work, I need () parentheses.
4. You don't need to give both the LUN and the FILENAME, pick one.

Craig

>
> Haje
>
>
>
>
> "dave" <dcfinnegan@gmail.com> wrote in message
> news:1114784794.648073.62000@f14g2000cwb.googlegroups.com...
>> A quick question that I guess follows on to Ed's precision question.
>>
>> I'm having similar problems when I import an ascii datafile of X,Y,Z
>> values.
>>
>> the x and y values are utm meter and the z value is mm's
>>
>> When I import the data it definitely looks different than it should?
>>
>> I'm using the transread program from Craig M. to import the data. I've
>> attached a snipet of the data and the code below...any ideas?
>>
>> Dave
>>
>> ----data file
>> LAT LON ELEV
>> 37626408 5352625 668694
>> 37626406 5352080 671058
>> 37626406 5352015 674405
>> 37626405 5351812 682801

```
>>    37626409    5352791     668146
>>    37626405    5351757     686651
>>    37626405    5351655     694568
>>    37626407    5352339     669945
>>    37626405    5351701     690698
>>    37626405    5351914     677368
>>    37626411    5353354     666662
>>    37626409    5352874     667493
>>    37626410    5353031     666536
>>    37626404    5351470     702865
>>    37626408    5352625     668677
>>    37626407    5352209     670414
>>    37626411    5353456     668980
>>    37626406    5352034     673583
>>    37626412    5353788     666713
>>    37626409    5352920     667493
>>    37626404    5351554     698988
>>    37626409    5352837     667973
>>    37626404    5351406     709303
>>    37626404    5351424     707796
>>    37626404    5351517     700894
>>    37626410    5353003     666463
>>    37626409    5352883     667347
>>    37626409    5352874     667493
>>    37626410    5353003     666474
>>    37626409    5352948     667574
>>    37626408    5352717     668299
>>    37626405    5351868     679227
>>    37626407    5352394     670108
>>    37626404    5351646     695965
>>    37626408    5352569     669591
>>    37626406    5351988     675233
>>    37626407    5352339     670110
>>    37626406    5352172     670095
>>    37626408    5352597     668901
>>    37626407    5352422     670716
>>    37626408    5352560     668695
>>    37626405    5351674     690904
>>  ---end data file
>>
>>  pro plane_fit, x, y, z,  file=filnam
>>
>>  IF NOT Keyword_set(filnam) THEN BEGIN
>>   filnam=dialog_PICKFILE( PATH=path,TITLE='Select xyz Data for',
>>  /MULTIPLE_FILES, /MUST_EXIST)
>>   ENDIF
>>
>>  print, ''
```

```
>>  print,'Filename:   ', filnam
>>  print, '
>>
>>
>>  A = 0L & B = 0L & C =0L
>>
>>  FOR i=0,  N_ELEMENTS(FILNAM)- 1 DO BEGIN
>>     Aa = 0L & Bb = 0L & Cc =0L
>>     OPENR, lun, filnam[i], /GET_LUN
>>     TRANSREAD, lun, Aa, Bb, Cc,FORMAT='D0.0, D0.0, D0.0', $
>>      FILENAME=filnam[i]
>>      FREE_LUN, lun
>>  xA=[A,Aa]
>>  yB=[B,Bb]
>>  zC=[C,Cc]
>>  ENDFOR
>>
>>
>>  print, 'number of data lines: ', n_elements(xA)
>>
>>  ;---Extracting the data from the variables
>>        lon=xA[*]
>>        lat=yB[*]
>>        elev=zC[*]
>>
>>  ;-- Creating a 3 column dbl array to house the lon, lat and elev data
>>        combo=fltarr(3,N_ELEMENTS(lon))
>>
>>  ;-- Passing the data into the array
>>        combo[0,*] = lon
>>        combo[1,*] = lat
>>        combo[2,*] = elev
>>        data=combo
>>  print, 'first lines of data from original file:   ', data(*, 0:2)
>>  ;--Display the original data
>>  return
>>  end;
>>
>>  Thanks in advance,
>>
>>  Dave
>>
>
>
```

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