
Subject: number formats inputing ascii data
Posted by [dave](#) on Fri, 29 Apr 2005 14:26:34 GMT
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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 snippet 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
