Posted by d.poreh on Mon, 09 Jan 2012 10:21:16 GMT View Forum Message <> Reply to Message On Jan 9, 8:06 am, shambhu <shambhu.mc...@gmail.com> wrote: > Hi all > Am reading a text file which consists of wind speed data, using read > ASCII macros. when i give a command: > array = data > array = Reverse(array, 1) > lat = Reverse(data.lat) > the following error is coming. > % ROTATE: Struct expression not allowed in this context: A. % Error occurred at: REVERSE > thank you maybe you data is not structure one! if it is, have you tried: Data=Data.(0) Cheers. Dave

Subject: Re: Running IDL routine.
Posted by David Fanning on Mon, 09 Jan 2012 12:59:48 GMT
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shambhu writes:

Subject: Re: Running IDL routine.

- Am reading a text file which consists of wind speed data, using read
 ASCII macros. when i give a command:
 array = data
 array = Reverse(array, 1)
 lat = Reverse(data.lat)
 the following error is coming.
 % ROTATE: Struct expression not allowed in this context: A.
 % Error occurred at: REVERSE
- It is hard to tell exactly what you are doing, but it sounds like you probably got a structure returned from a function, and that the structure contains your wind speed and location data. If

that is the case, you need something like this.

```
struct = ASCII_MACRO()
windsp = struct.data
lat = struct.lat
lon = struct.lon
```

Then, you probably want to reverse your windsp and lat variables in the Y direction if you are planning to put these on a map.

```
windsp = Reverse(windsp, 2)
lat = Reverse(lat, 2)
```

Cheers,

David

David Fanning, Ph.D. Fanning Software Consulting, Inc. Covote's Guide to IDL Programming: http://www.idlcovote.com/ Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Running IDL routine. Posted by shambhu on Tue, 10 Jan 2012 09:32:23 GMT View Forum Message <> Reply to Message

```
"CellID" "Lat" "Long" "01" "02" "03" "04" "05" "06" "07" "08" "09"
"10" "11" "12" "13" "14" "15" "16" "17" "18" "19" "20" "21" "22" "23"
"24" "25" "26" "27" "28" "29" "30" "31"
   1 56.5398 201.6560
                          6.7
                                2.3
                                      9.5
                                           13.6
                        4.4
                                     5.4
                                           7.0
                                                11.4
0.2
     1.6
            4.2
                  1.5
                              0.1
11.3
             7.8
       5.6
                   1.8
                         8.9
                                7.4
                                      8.4
                                            0.9
4.9 11.5
            19.7
                   9.1
                         4.0
                                2.2
                                      4.1
                                            5.3
                                                  0.3
  2 56.6259 201.2912
                          7.3
                                3.1
                                      10.0 13.8
                                                    2.0
0.2
      1.8
            4.5
                  1.3
                        4.9
                              0.2
                                     4.8
                                           6.4
                                                10.9
10.7
       5.1
             8.1
                   8.0
                         8.3
                                      8.5
                                            0.1
                                6.8
    11.5
            19.8
                                      4.6
                                            5.4
5.3
                   9.0
                         3.6
                                2.7
                                                  0.4
                                3.8
   3 56.7107 200.9245
                          7.8
                                      10.5 13.9
                                                    1.9
                                           6.0 10.5
     1.9
0.1
            4.7
                  1.0
                        5.3
                              0.5
                                     4.2
10.2
       4.6
             8.2
                         7.9
                                6.4
                                            0.5
                   0.1
                                      8.5
5.8 11.5
            19.8
                   8.8
                          3.3
                                3.2
                                      5.1
                                            5.4
                                                  0.5
```

```
4 56.6703 202.1664
                         6.0
                               1.5
                                     8.5
                                         13.5
                                                 2.1
     1.5
           3.8
                 1.5
                       3.9
                             0.4
                                   5.8
                                         7.4
0.4
11.4 5.4
            7.5
                  3.3
                              8.1
                                          1.9
                        9.3
                                    7.9
4.4 11.1
           19.7
                  9.5
                              1.3
                                    3.2
                                          5.1
                        3.9
                                                0.0
```

this is the data which is saved by the name winspd.txt. I used ASCII macros to read and when tried to reverse structure data, it gave error as i mentioned in my last post, i.e.,

- > array = data
- > array = Reverse(array, 1)
- > lat = Reverse(data.lat)
- > % ROTATE: Struct expression not allowed in this context: A.
- > % Error occurred at: REVERSE