
Subject: Re: Running IDL routine.
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
[View Forum Message](#) <> [Reply to Message](#)

shambhu writes:

> 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.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.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	2.1
0.2	1.6	4.2	1.5	4.4	0.1	5.4	7.0
11.3	5.6	7.8	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
10.7	5.1	8.1	0.8	8.3	6.8	8.5	0.1
5.3	11.5	19.8	9.0	3.6	2.7	4.6	5.4
0.4							
3	56.7107	200.9245	7.8	3.8	10.5	13.9	1.9
0.1	1.9	4.7	1.0	5.3	0.5	4.2	6.0
10.2	4.6	8.2	0.1	7.9	6.4	8.5	0.5
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	
0.4	1.5	3.8	1.5	3.9	0.4	5.8	7.4	11.5
11.4	5.4	7.5	3.3	9.3	8.1	7.9	1.9	
4.4	11.1	19.7	9.5	3.9	1.3	3.2	5.1	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
```
