
Subject: I calculated longwave radiation using readcol function from IDL-astro:
Output file looks crazy. (T.T)

Posted by [Harry Kim](#) on Fri, 23 Apr 2010 08:35:08 GMT

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Hi, all. I am trying to calculate longwave radiation with ground-measured air temperature and relative humidity data, but my output file looks crazy. Is there anyone can help me?

What I've done so far is as follows.

Please take a look, and leave any comments. Thanks.

Pro CALC_Longwave_NWS

```
; ***** Get data from NWS  
*****
```

```
s_time=systime(1)  
;year=2002  
WorkSp = 'D:\MODIS07\Longwave_Workspace\  
WorkSpOut = 'D:\MODIS07\Longwave_Workspace\output\  
  
; sitefile = strcompress(WorkSp+'site_lon_lat.txt', /remove_all)  
  
;site_id year month day h01 h02 h03 h04 h05 h06 h07 h08 h09 h10 h11  
h12 h13 h14 h15 h16 h17 h18 h19 h20 h21 h22 h23 h24  
;90 2002 1 1 25 25 26 26 26 25 26  
28 31 34 36 39 40 38 38 37 35 33 35 37 34  
34 35 29  
;90 2002 1 2 30 32 29 28 31 33 55  
65 74 68 72 75 71 83 85 77 69 60 51 43 41  
34 34 29
```

```
NWS_temp = strcompress(WorkSp+'temp2002.txt', /remove_all) ;  
data1(28, nrow), temperature in 2002  
nrow1 = file_lines(NWS_temp)  
data1 = fltarr(28, nrow1)
```

```
close,/all  
Openr, 1, NWS_temp  
readf, 1, data1  
close, 1  
cd, 'D:\MODIS07\Longwave_Workspace\  
readcol, 'temp2002.txt', site_id, year, month, day, h01, h02, h03,
```



```
f_time = systime(1)
etime = f_time-s_time
etime_str = string(etime, format='(F7.2)')
print, 'Elapsed time for this process = ', etime_str

end
```
