
Subject: Re: read an irregularly structured ascii file.
Posted by [wlandsman](#) on Tue, 25 Sep 2012 20:38:47 GMT
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On Tuesday, September 25, 2012 2:35:44 PM UTC-4, (unknown) wrote:

```
>  
> 221 0. 125893. 141254. 158489. 177828. 199527. 223873. 251189.  
>  
> 281839. 316229. 354815. 398109. 446686. 501190. 562344. 630961.
```

Ah, the joy of reading a raw Kurucz model atmosphere file. (I am embarrassed to have recognized these numbers. More ammunition for my wife to call me a geek.)

I have an old program to read similar files which I give below. Unfortunately, my file format was not identical to yours, so you will need multiple changes. I'd work on it one step at a time. First try to read only the first array, and after you succeed go to the next portion of the file.

--Wayne

```
pro rdkur,file,teff,logg,flux,wave
```

```
close,1  
openr,1,file  
str = ''  
nmod = 221  
teff = fltarr(nmod)  
logg = fltarr(nmod)  
wave = fltarr(1221)  
f = fltarr(1221)  
flux = fltarr(1221,nmod)  
j = 0  
test = ''  
while test ne "END" do begin  
    readf,1,str  
    test = strtrim(gettok(str,' '),2)  
endwhile  
readf,1,wave  
while not eof(1) do begin  
    readf,1,str  
    dum = gettok(str,' ')  
    teff[j] = float(gettok(str,' '))  
    dum = gettok(str,' ')  
    logg[j] = float(gettok(str,' '))  
    readf,1,f  
    flux[0,j] = f  
    readf,1,f  
    j = j+1
```

```
endwhile  
j = j-1  
flux = flux[:,0:j]  
teff= teff[0:j]  
logg = logg[0:j]
```

```
return  
end
```
