
Subject: Re: reading file into structure?

Posted by Randall Skelton on Wed, 18 Apr 2001 13:41:09 GMT

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Appending to my previous query, a quick work-around seems to be to read the file into an array and then define data.values to point to the array. This seems a little dirty?

i.e.

```
pro testread, file, data
  sgas = '*TEST'
  l = STRLEN(sgas)
  OPENR, 1, file
  header = '!'
  nlev = 0

  WHILE STRMID(header,0,1) EQ '!' DO READF, 1, header
  READS, header, nlev

  array = fltarr(nlev)
  data = {basic_struct, comment: ' ', values: fltarr(nlev)}

  WHILE STRMID(header,0,l) NE sgas DO BEGIN
    READF, 1, header
    IF STRLEN(header) LT l THEN header = header + ''
    header = STRUPCASE(header)
  ENDWHILE
  READF, 1, array
  data.values = array      ; <- dirty cheat
  CLOSE, 1
END
```

```
> pro testread, file, data
>   sgas = '*TEST'
>   l = STRLEN(sgas)
>   OPENR, 1, file
>   header = '!'
>   nlev = 0
>
>   WHILE STRMID(header,0,1) EQ '!' DO READF, 1, header
>   READS, header, nlev
>
>   ;data = fltarr(nlev)      ;change comments if testing array
>   data = {basic_struct, comment: ' ', values: fltarr(nlev)}
>
>   WHILE STRMID(header,0,l) NE sgas DO BEGIN
```

```
>     READF, 1, header
>     IF STRLEN(header) LT 1 THEN header = header + ''
>     header = STRUPCASE(header)
> ENDWHILE
> ;READF, 1, data      ;<-- this works.
> READF, 1, data.values ;<-- why doesn't this work?
> CLOSE, 1
> END
```

[snip]
