
Subject: point_lun question

Posted by [Frank\[1\]](#) on Mon, 01 Nov 1999 08:00:00 GMT

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Hi,

I have a data file with several measurements separated by some header lines followed by data points. The whole file contains many measurements. So I want to write a procedure, that reads the header and the position of the file pointer at the end of the header and returns this in a structure for further data processing.

Actually the routine finds the header, however, point_lun returns the 'correct' value only for the first header. If I check the second position of the pointer using an hexditor the positions are not correct. Whats wrong ? Do I use the wrong data type

I have added some code below:

```
function rd_data_header
current_line=""
count=0

filen=pickfile()
openr,unit,filen,/get_lun

while not (EOF(unit)) do begin
  readf,unit,current_line
  if (strpos(current_line,'#S ') eq 0) then begin
    current_pos=fstat(unit)

    if (count=0) then begin
      result_header=current_line
      result_pos=current_pos.cur_ptr
      count=1
    endif
    if (count=1) then begin
      tmp=strarr(size(result_header,/n_elements)+1) ; increase array size
      tmp_pos=lon64arr(size(result_pos,/n_elements)+1) ; increase array size

      tmp[0:size(result_header,/n_elements)-1]=result_header ; save obtained
      headers
      tmp_pos[0:size(result_pos,/n_elements)-1]=result_pos ; save obtained
      positions

      tmp[size(result_header,/n_elements)]=current_line; set last element
      tmp_pos[size(result_pos,/n_elements)]=current_pos.cur_ptr; set last
      element

      result_header=tmp
```

```
    result_pos=tmp_pos ; set tmp vars to current result
endif

endif

endwhile
free_lun,unit
result={header:result_header, position:result_pos}
return,result
end
```

Thanks, Frank
