
Subject: Getting error when running a routine using @ in IDL.

Posted by [msbstar](#) on Wed, 04 Feb 2015 10:53:41 GMT

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Hello every body,

When I issued the @reduce.scr command in IDL I got the following error:

```
IDL> @reduce.scr
% Case statement found no matches.
% Execution halted at: $MAIN$
IDL>
```

Below is the content of the "reduce.scr" file:

```
;-----
;;; Reduce MagE data

; Read in object and calibration file names
templ = { $
    version: 1.0, $
    datastart: 0, $
    delimiter: ' ', $
    missingvalue: -99.0, $
    commentsymbol: '#', $
    fieldcount: 16, $
    fieldtypes: [7,7,3,3,3,3,3,7,7,7,7,7,7,7,7,7], $
    fieldnames: ['root','type','reduce_lo','reduce_hi','fit_lo',$
        'fit_hi','fiducial','arc','refarc','orderlist',$
        'slit','wave','xe_flat','xe_flatvar','dome_flat',$
        'dome_flatvar'], $
    fieldlocations: [0,14,25,28,36,39,45,55,66,77,98,118,139,166,$
        196,222], $
    fieldgroups: [0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15] $
}

data      = read_ascii('reduce_info.dat',template=templ)
rootname  = data.root
exptype   = data.type
reduce_order_lo = data.reduce_lo
reduce_order_hi = data.reduce_hi
fit_order_lo  = data.fit_lo
fit_order_hi  = data.fit_hi
fiducial_order = data.fiducial
arcfile      = data.arc
refarcfile   = data.refarc
orderlist    = data.orderlist
slitfile     = data.slit
wavefile     = data.wave
```

```

xe_flatfile    = data.xe_flat
xe_flatvarfile = data.xe_flatvar
dome_flatfile  = data.dome_flat
dome_flatvarfile = data.dome_flatvar
n_exposures    = n_elements(rootname)

;;; Change the next three lines to reflect the correct directories on
;;; your system.

```

```

rawdir  = '/home/hassan/Desktop/MagE/hassan/'
caldir  = '/home/hassan/mage_reduce/calib/'
reduxdir = '/home/hassan/Desktop/MagE/hassan/out/'

```

```

...
;;;
;;; Loop through and reduce each frame
...

```

```

for i=0,n_exposures-1 do begin                                & $

    root  = rootname(i)                                       & $
    raw   = rawdir+root+'.fits'                                & $
    type  = exptype(i)                                        & $
    arc   = rawdir+arcfile(i)+'.fits'                         & $
    refarc = caldir+refarcfile(i)+'.fits'                     & $
    list  = caldir+orderlist(i)+'.dat'                        & $
    wave  = caldir+wavefile(i)+'.fits'                        & $
    slit  = caldir+slitfile(i)+'.fits'                        & $
    xe_flat  = reduxdir+xe_flatfile(i)+'.fits'                & $
    xe_flatvar = reduxdir+xe_flatvarfile(i)+'.fits'           & $
    dome_flat  = reduxdir+dome_flatfile(i)+'.fits'            & $
    dome_flatvar = reduxdir+dome_flatvarfile(i)+'.fits'       & $
    output = reduxdir+root                                    & $

    if (arcfile(i) eq '0') then arc=0                          & $
    if (refarcfile(i) eq '0') then refarc=0                    & $

    if (dome_flatfile(i) eq '0') then dome_flat=0              & $
    if (dome_flatvarfile(i) eq '0') then dome_flatvar=0        & $

    case type of                                              & $
        'BRIGHT': begin                                       & $
            spline_profile = 1                                & $
            trace_obj      = 1                                & $
        end                                                    & $
        'MEDIUM': begin                                       & $
            spline_profile = 0                                & $
            trace_obj      = 1                                & $
    end                                                         & $

```

```

'FAINT': begin                                & $
    spline_profile = 0                        & $
    trace_obj      = 0                        & $
end                                              & $
endcase                                         & $

n_to_reduce    = reduce_order_hi(i) - reduce_order_lo(i) + 1 & $
orders_to_reduce = reduce_order_lo(i) + lindgen(n_to_reduce)  & $
n_to_fit       = fit_order_hi(i) - fit_order_lo(i) + 1       & $
orders_to_fit  = fit_order_lo(i) + lindgen(n_to_fit)          & $

fiducial = fiducial_order(i)                  & $

if (!journal ne 0) then journal                & $
journal,output+'.log'                          & $

mage_reduce,raw,wave,slit,list,skyref=refarc,skyframe=arc,$
    flatfield=xe_flat,flatvar=xe_flatvar,$
    redflatfield=dome_flat,redflatvar=dome_flatvar,$
    output=output,fiducial=fiducial,maxiter=10,noshow=1,$
    order=orders_to_reduce,fit=orders_to_fit,$
    sprofile=spline_profile,/faint,$
    trace_obj=trace_obj                        & $

journal                                        & $
close,/all                                    & $

; Uncomment the following line if you want to automatically
; gzip the reduced files.
;spawn,'gzip -f '+reduxdir+'*.fits'          & $

endfor

;=====

```

I would be grateful for any help on this.

With best regards,
Hassan
