
Subject: Re: combine CATCH and MESSAGE

Posted by [Paul Van Delst\[1\]](#) on Tue, 27 Sep 2011 15:40:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

nata wrote:

```
> Hello guys,
>
> I used to use the CATCH method to catch the errors on my code but I
> also like the method using ON_ERROR,2 and MESSAGE.
> Right now, I would like to combine these 2 methods. Something like:
>
> PRO TEST, arg_1, ERROR=error
>
> CATCH, error_status
> IF error_status EQ 0 THEN BEGIN
>   error=0
>   IF N_ELEMENTS(arg_1) EQ 0 THEN MESSAGE, 'Incorrect number of
> arguments'
>
> ENDIF ELSE BEGIN
>   error=1
>   CATCH, /CANCEL
> ENDELSE
>
> END
>
> Note that in this routine, the output keyword error is very important.
> The problem here is that I want the message to cause the error and
> that is not happening. Do you know if there is a way to do that ? I
> mean without doing :
>
> IF N_ELEMENTS(arg_1) EQ 0 THEN BEGIN
>   MESSAGE, 'Incorrect number of arguments', /INFORMATIONAL
>   error=1
>   RETURN
> ENDIF
>
> I also would like to ask for your opinion. I like the output keyword
> error, is very useful on my programs but I also like the MESSAGEs,
> they make the program very clear.
>
> Thanks for your help,
```

What about:

```
PRO TEST, arg_1, ERROR=error
  error = 0 ; I presume this means "no error"
  CATCH, Error_Status
```

```
IF ( Error_Status NE 0 ) THEN BEGIN
  CATCH, /CANCEL
  MESSAGE, !ERROR_STATE.MSG, /CONTINUE
  error = 1
  RETURN
ENDIF
...etc...
```

And then the actual error traps use the NONAME and NOPRINT switches to MESSAGE:

```
IF (N_ELEMENTS(arg_1) EQ 0) THEN $
  MESSAGE, 'Incorrect number of arguments', $
    /NONAME, /NOPRINT
```

?

cheers,

paulv
