
Subject: Re: How to get numbers into passed structure elements
(pass-by-value/reference problem).

Posted by [Wox](#) on Thu, 28 Feb 2008 10:22:34 GMT

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On Wed, 27 Feb 2008 10:02:46 -0500, Paul van Delst
<Paul.vanDelst@noaa.gov> wrote:

```
> FUNCTION CRTM_Read_Atmosphere_Record, FileID    , $ ; Input
>                                Atm            , $ ; Output
>                                DEBUG=Debug      ; Optional input
>    .....
>    FOR n = 0, Atm.n_Clouds-1 DO BEGIN
>      result = CRTM_Read_Cloud_Record( FileID, (*Atm.Cloud)[n], DEBUG=Debug )
>      ...check result....
>    ENDFOR
```

So Atm.Cloud is a pointer to an array of structures. What if Atm.Cloud
would be a pointer to an array of pointers (each pointing to one
structure)? Than you could pass `(*Atm.Cloud)[n]`

However, you would loose the ability to do something like this:
`(*Atm.Cloud).Type` to get all types of clouds.
