## Subject: Re: not sure what to call this request Posted by Paul Van Delst[1] on Wed, 24 Apr 2002 22:18:39 GMT

```
View Forum Message <> Reply to Message
Chad Bahrmann wrote:
> I am not sure what to call this request:
> Is this possible in IDL...I can not seem to make it work...If not any work
> arounds?
>
> IDL> vars=['tsoil W']
> IDL> data={vars[0]:{attname:STRARR(6)}}
>
  data={vars[0]:{attname:STRARR(6)}}
>
 % Syntax error.
> without having to do
> data={tsoil_W:{attname:STRARR(6)}}
> because ultimately I will have a 26 vars that I would like to build
> structures for
What exactly do you want to do? Be able to access structures components without referencing the
tag name?
Off the top of me head, you could try:
IDL> vars = [ 'tsoil W', 'tsoil X', 'tsoil Y', 'tsoil Z']
First create the structure with the first component:
IDL> data = CREATE_STRUCT( vars[0], {attname:STRARR(6)} )
IDL> HELP, data.tsol_w, /STRUCT
** Structure <823df34>, 1 tags, length=72, data length=72, refs=2:
 ATTNAME
                 STRING Array[6]
Now you've got yer structure started, concatenate away.....
IDL> FOR i = 1, N ELEMENTS( vars ) - 1 DO data = CREATE STRUCT( data, vars[i],
{attname:STRARR(6)})
IDL> HELP, data, /STRUCT
** Structure <823f38c>, 4 tags, length=288, data length=288, refs=1:
```

STRUCT

TSOIL\_W TSOIL X

TSOIL\_Y

TSOIL Z

-> < Anonymous > Array[1]

STRUCT -> < Anonymous > Array[1]

STRUCT -> < Anonymous > Array[1]

STRUCT -> < Anonymous > Array[1]

So now if you want to know what the attributes of, say, tsoil\_X are:

Pretty cool I reckon. And the above way is probably one of the more brain dead ways of doing it. I mean, it uses concatenation \*and\* a loop..... sheesh :o)

paulv

--

Paul van Delst Religious and cultural

CIMSS @ NOAA/NCEP purity is a fundamentalist

Ph: (301)763-8000 x7274 fantasy

Fax:(301)763-8545 V.S.Naipaul