
Subject: Re: Working with Preexisting Data Set
Posted by [J.D. Smith](#) on Tue, 14 Dec 1999 08:00:00 GMT
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William Baird wrote:

```
>
> Okay. HEre's my problem. I am grovelling before you guys for a bit of
> help, cuz I'm stuck and I'm, unfortunately, what passes for an expert around
> here. :/
>
> Ideally I would like to concatenate some data structures. Or more specifically,
> the data in the array of ints in the DATA structure below.
>
> ** Structure $10, 11 tags, 6510928 length:
> NAME      STRING      '*****'
> MISSION   STRING      '*****'
> LOCATION  STRING      '*****'
> RECORDING STRING      '*****'
> STREAMNAME STRING      '*****'
> TITLE     STRING      '*****'
> LABEL     STRING      '*****'
> SAMPLERATE FLOAT      xxxxxx.
> EPOCH     STRING      'xxxx:xxx:xx:xx:xx.xxxxxx'
> TIME      STRUCT      -> $7 Array(1)
> DATA     STRUCT      -> $9 Array(1)
>
> ** Structure $9, 3 tags, 6510816 length:
> UNITS STRING  'COUNTS'
> DATA INT     Array(3255400)
> LABEL STRING  "
>
> I have tried the following:
>
> e=a
> e.(10).(1)=[a.(10).(1),b.(10).(1),c.(10).(1),d.(10).(1)]
>
> but it complains:
> % Conflicting data structures: <INT      Array(12943700)>,MISSING.
> % Execution halted at $MAIN$ .
>
```

A structure member which is a named array (such as in your DATA field above) can only have arrays of the same size put into it. Once the structure is defined, you're stuck to the array size you've specified.

E.g.:

```
a={TEST1,a:fltarr(3)}
```

```
a.a=fltarr(4)
% Conflicting data structures: structure tag,<FLOAT   Array[4]>.
% Execution halted at: $MAIN$
```

You can't fit the new data in. This is your problem. Using pointers solves it.

JD

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J.D. Smith          [*]   WORK: (607) 255-5842
Cornell University Dept. of Astronomy [*]   (607) 255-6263
304 Space Sciences Bldg.      [*]   FAX: (607) 255-5875
Ithaca, NY 14853           [*]
```
