Subject: Structures and arrays of structures
Posted by rjp23 on Fri, 28 Oct 2016 10:12:47 GMT
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Hi,

This has me stumped at the minute so I was hoping someone could help as I thought it SHOULD be simple.

I have a anonymous structure in this form:

```
IDL> help, global_struct
** Structure <8341ea08>, 15 tags, length=138736, data length=138736, refs=1:
   DATE     FLOAT    Array[2392]
   ORIG     FLOAT    Array[2392]
   FUNC     FLOAT    Array[2392]
   POLY     FLOAT    Array[2392]
```

I have a second anonymous structure in this form:

```
IDL> help,aus_struct
** Structure <838a5ee8>, 15 tags, length=135780, data length=135778, refs=1:
   DATE     FLOAT    Array[2341]
   ORIG     FLOAT    Array[2341]
   FUNC     FLOAT    Array[2341]
   POLY     FLOAT    Array[2341]
```

I have many other structures in the same form and want them all to be contained in one item so they can be easily passed into other procedures, etc.

The tag names within the structure are the same so I can use code generically on any of them.

The structure name itself is generated from a string array ['global', 'aus', 'europe', 'us', etc]

I can't concatenate the structures into a single as they all have the same tag names. I thought I could create an array of structures but that doesn't seem to work. I wondered if I could create a structure of structures? main.global_struct.dat, main.aus_struct.date, etc but can't figure out how to.

Any suggestions would be really useful.

Cheers