Subject: Re: Problem with the astron database on Mac OS X
Posted by Russell[1] on Wed, 21 Dec 2011 16:13:09 GMT

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I'm very familiar with the Astrolib, but not so much with the database
procedures. Can you confirm which instance of the routines that
you're using, maybe issuing something like

findpro,'dbhelp' or 'dbopen', etc. Just to make sure that you don't
accidentally have an old version floating around somewhere?

Russell

On Dec 20, 8:20 pm, rklein <r_kl...@berkeley.edu> wrote:
> Hi,
>
> I am using the database routines from the IDL Astronomy User's
> library: (http://idlastro.gsfc.nasa.gov/contents.html#C3) on Mac OS X,
> IDL version 7.1.
>
> The following happens when I try to open two linked databases (the
> yale_bs and yale_bs_rmks databases are available athttp://idlastro.gsfc.nasa.gov/ftp/zdbase/):
>
> IDL> astrolib
> % Compiled module: ASTROLIB.
> % ASTROLIB: Astronomy Library system variables have been added
> IDL> dbopen,'yale_bs_rmks,yale_bs'
> % Compiled module: DBOPEN.
> % Compiled module: ZPARCHECK.
> % Compiled module: STRSPLIT.
> % Compiled module: DBCLOSE.
> % Compiled module: FIND_WITH_DEF.
> % Compiled module: FIND_ALL_DIR.
> % Compiled module: BREAK_PATH.
> Attempt to subscript SBYTE with I is out of range.
> IDL> dbhelp
> % Compiled module: DBHELP.
> % Compiled module: DB_INFO.
> % Compiled module: TEXTOPEN.
> % Compiled module: FILEPATH.
> % Compiled module: DB_ITEM_INFO.
> ENTRY   HR   CATEGORY REMARKS   SPARES
>
> ------- Indexed Items ------
> HR
>
> ----- Pointer Information ----

> YALE_BS_RMKS.HR ---> YALE_BS
>
> data base contains   9188 entries
> % Compiled module: TEXTCLOSE.
> IDL>
>
> As you can see, only one is opened despite the two being linked.
>
> I also noticed that using "/EXTERNAL" with dbcreate does not work on
> Mac OS.
>
> Does anyone has an idea what is going wrong. Is it an IDL bug on Mac
> OS which treats binary files unexpectedly? Or is there an invalid
> assumption in the database code?
>
> Thanks and happy holidays.
> Randolf