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Subject: Save file creation rules of the road  
Posted by [Rob\[2\]](#) on Thu, 18 Feb 2010 11:30:28 GMT  
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Dear save file gurus,

I'm trying to create a distributable IDL save file via IDLDE > Project > "Build Project". A save file was created without error -- some initial complaints were issued, then automatically resolved. I then restored this save file in a new IDL cli session. All expected functions and procedures were listed, via "restore, /verbose" and "help"; see below. However, an attempt to run one of the restored procedures yielded the annoying "Variable is undefined: SPIDR\_ASCII\_GET\_META.... EXCEPTION..." I've experienced this before and the hack I employed wasn't pretty. It involved compiling (via .compile) all functions and procedures I thought I needed and creating a save file somewhat manually, then a sacrificial lamb and a kabuki dance. Thus, I suppose I've never really learned how to create a proper save file with just the functionality I need. Can someone point me in the right direction?

Debug follows:

Noting the below "help" after restore in new session, you can see for yourself that "SPIDR\_ASCII\_GET\_META" is defined:

Compiled Procedures:

```
$MAIN$ BAR_PLOT  CALDAT  CHECK_INIT DOC_LIBRARY
LEGEND  LOADCT  LOGGER  LOG_DEBUG LOG_ERROR
LOG_FATAL  LOG_INFO LOG_WARN MG_OPEN_URL
NGDC_BOILER PRINT_LOG_MESSAGE  RESOLVE_ALL
SPIDR_CLIENT  SPIDR_CRIB SPIDR_CRIB_IONO_7_DAYS
SPIDR_CRIB_IONO_EVENT  SPIDR_CRIB_SENSOR_FUSION
```

Compiled Functions:

```
FGDC_TO_SIMPLE_STRUCT  FILEPATH  IS_STRUCT
IS_STRUCTURE  JDAY_TO_TIME_8601
JDAY_TO_TIME_ARRAY JDAY_TO_UNIX_TIME  JULDAY
LABEL_DATE MEAN  MM  MOMENT
SPIDR_ASCII_GET_META
SPIDR_ASCII_TO_STRUCTURE  SPIDR_GET_DATA
SPIDR_GET_METADATA
STDDEV STRSPLIT  TEST_SPIDR_ASCII_TO_STRUCTURE
TEST_SPIDR_GET_DATA  TEST_SPIDR_GET_METADATA
TIME_8601_TO_ARRAY TIME_ARRAY_TO_8601  UNIQ
```

```
IDL> print, TEST_SPIDR_ASCII_TO_STRUCTURE()
```

```
% Variable is undefined: SPIDR_ASCII_GET_META.  
% Execution halted at: SPIDR_ASCII_TO_STRUCTURE  
%          TEST_SPIDR_ASCII_TO_STRUCTURE  
%          $MAIN$
```

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