

Notes on gphyzgpr

updated 12/16/00

1.0 There are differences between the project paths for IDL 5.3 and IDL 5.4. That is the only reason for the two programs. The code is the same. The recommended storage place for IDL programs is: `c:\RSI\IDL5.4\IDL_PROG\gphyzgpr`, or `c:\RSI\IDL5.3\IDL_PROG\gphyzgpr`. Note that future upgrades will be made on IDL5.4, so you will have to download the 5.4 version when upgrades are placed on the web. Anything on version 5.4 should also work on version 5.3, but you will have to manually “Add” the procedures (*.pro files) to the 5.3 project, and with version 5.4, then you can simply read in the version 5.4 project, and it should run seamlessly on your system ... the moral of the story is ...Upgrade (if it doesn't cost you anything).

2.0 Set the paths in “Preferences” in the main menu to the following: `c:\RSI\IDL5.3[4]\IDL_PROG`. Also, set the check mark on the include subdirectories.

3.0 The first time that you run the program, you will: a) input the Project `gphyzgpr`, and then you double click to activate each procedure before you go to the Run Menu to “Compile All”. After the first time that you run the program, the individual procedures will be activated automatically, so that you will not have to double click on each one.

Update notes: 9/15/01

1.0 Several people have been having problems with the execution start point of the program. The start point is the procedure `gphys.pro` (not `gphysgpr.pro`).

2.0 The latest version includes the following fixes and upgrades:

- a. The 1D filter has been upgraded to show frequencies in the actual frequencies, rather than the Nyquist frequency. It does this by using the header information from the field (either GSSI, or S&S).
- b. Several things have been fixed in the 3D display menu. There are also additional functions in the 3D display. (still no fix on the ballooning scales for the 2D ... this will be attended to soon)
- c. There was a read bug for the S&S data input that appeared in data from the Noggin system. I have no idea why this error cropped up, but it has been fixed.
- d. The GSSI input has been upgraded to handle the multi-channel GSSI data. The menus should be self-explanatory.

Give me some feedback on how you are using the program.

Thanks, Jeff