Installing CLEA Programs on a Network or Shared Drive

CLEA programs may be installed on a network or shared drive and run from individual workstations that access the shared files. However, all CLEA programs require local disk space for data files and temporary files created during execution. After installing the software on the shared drive, use the following technique to set up each workstation.

A) For 16-bit software modules (Hubble Redshift, Jupiter Moons, Large-Scale Structure, Pleiades Photometry, Stellar Spectra, Mercury Rotation and Solar Energy):

1) Create a folder (such as C:\CLEA\) on the workstation.

2) Create a subfolder for each program being installed (such as C:\CLEA\SpecLab\, C:\CLEA\JupLab\ etc.).

3) For each program, create a shortcut on each workstation as follows:

    a) Right click on the desktop and select "New"->"Shortcut". Enter or browse to the location of the executable on the shared drive (such as H:\CLEA Programs\Speclab\CLEA_Spe.exe).

    b) When the shortcut is complete, right click on it and select "Properties".

    c) In the box labeled "Start In" (probably under the "Shortcut" tab), enter the path to the local subfolder you created for the program (C:\CLEA\SpecLab\, or whatever).

You should now be able to run the program from the startup. After the program has been used you can delete any files and additional subfolders that have been created in the local folders. Since many of the programs do have the ability to save data and reload/continue at a later time, you should be sure the students are completely finished before doing this.

One word of caution – although Windows now allows very large file names and paths, these can cause trouble in these older (16-bit) programs which were originally created for Windows 3.1, and have a limit of around 80 characters total for path and filename. So, keep your path and file names as short as you can.

B) For 32-bit software modules (all other modules, including Astrometry of Asteroids, Astrometry Toolkit, Solar Rotation, Object X, Radio Astronomy of Pulsars, VIREO and all subsequent new releases):

Some networks and workstations using Windows XP Professional or Windows 2000 Professional are configured such that anyone logged on to a workstation (even without Administrator privileges) can create and use folders and files under C:\Documents and

Settings\(username)\. In this case the 32-bit CLEA modules will automatically utilize this path for local disk space, and the set-up process described under (A) above is not needed. (If your installation does not allow write access to C:\Documents and Settings\(username)\ then you must use the steps under (A) for all software modules.) As before, all local folders and files created by the CLEA modules can be deleted when the exercise is finished. (Most will be removed automatically by the software.)

Unfortunately, for a variety of reasons, the older modules listed under (A) cannot be modified to provide this feature.

A final word – most of the CLEA programs are fairly small, and in today's world where 120 Gbyte hard drives cost less that $100 we frankly would recommend that the exercises to be used simply be installed directly on the workstations. The installations are quite fast, and all the setup described above is avoided. (For those with system concerns, CLEA programs do not employ DLLs, and do not use the registry.) We can supply CDs with all the installation programs – contact us at clea@gettysburg.edu.