1 !!!OBSOLETE!!! APOLLO TUI Setup Instructions – Windows XP machines

- Download and install Python for windows, available at http:/www.python.org/ . The XP version comes with Tk support by default. I would go ahead and let it install Python in the default location c:\Python24 (24 = version 2.4).

- Make machine able to run APO TUI (Telescope User Interface). Official instructions on how to get the TUI running are located on Russell Owen's web space, http://www.astro.washington.edu/owen/TUIHelp/index.html

  - Download and install Numeric for Python, available at http://numeric.scipy.org/
  - Download and install Numarray for Python, available at http://numeric.scipy.org/
  - Download and install pyfits for Python, available at http://www.stsci.edu/resources/software_hardware/pyfits
  - Download and install ds9, available at http://hea-www.harvard.edu/RD/ds9/
  - Download and install xpa, available at http://hea-www.harvard.edu/RD/ds9/
  - ? Download and install Python Imaging Library
  - ? Download and install Snack Sound Toolkit

- Download APO TUI for Windows. It's just a zip file - extract it to the folder of your choice - I recommend putting it in the Python folder: c:\Python24\TUI\

- If you run c:\Python24\TUI\runtui.exe, the TUI should run, and lots of windows should pop up. If this doesn't happen, one of the previous steps was missed.

- Download and install Tortoise SVN (TSVN) for Windows.

- Using TSVN, get APOLLO TUI source

  - In Explorer, Right-Click, select "TSVN > RepoBrowser"
  - URL = svn.apo.nmsu.edu/Apollo/TUI
  - Select TUI\Trunk\Main\ folder, right-click on it, and select "export" to the folder of your choice.
  - Do the same for the TUI\Trunk\Lunar Pointer\ folder

- Create a new folder called "TUIAdditions" and a new folder inside it called "APOLLO" in c:\Documents and Settings\user\Application Data\ where "user" is the user account you want to use the APOLLO TUI from.

- Drag all the APOLLO TUI source that you got from SVN to the c:\Documents and Settings\user\Application Data\TUIAdditions\APOLLO folder.

- Move the file CmdWdgCD.py from the ..\TUIAdditions\APOLLO folder to c:\Python24\TUI\RO\W folder.

- Add the line ??? to the file c:\Python24\TUI\RO\Wdg__init__.py

- Create a text file called __init__.py with the line "dev work" in it, and put this file in the c:\Documents and Settings\user\Application Data\TUIAdditions\APOLLO folder.

2 Procedures that worked on Adam's laptop

- Python 2.4.2 already installed in c:\Program Files\python\ and added to path.

- Install Tortise SVN (version 1.3.1.5521) in c:\Program Files\TortiseSVN.

- Restart.

- Install Hippodraw 1.15.3 msi in c:\Program Files\Hippodraw, installed for all users.

- Made temporary APOLLOSRC folder on desktop for TUI SRC download.

- In Explorer, open the APOLLOSRC folder and right click. Select SVN Checkout. URL = svn://svn.apo.nmsu.edu/Apollo/TUI/trunk. A folder called 'Lunar Pointer' and a folder called 'Main' should get copied into the APOLLOSRC folder.

- Make a folder called c:\apollo\ and copy the APOLLOSRC\Lunar Pointer\Ephem folder into it.

- Make a directory to store the APOLLU TUI called c:\Documents and Settings\user\Application Data\TUIAdditions\APOLLO.

- Copy the contents of the APOLLOSRC\Main folder into the ..\TUIAdditions\APOLLO folder.

- Copy *.py from the APOLLOSRC\Lunar Pointer folder to the ..\TUIAdditions\APOLLO folder.

- Edit "HippoWdg.py" in the ..\TUIAdditions\APOLLO folder to include the path to the APOLLO TUI source. Add/edit the following after the "labelFont" line, useing your username, not 'Adam':

```
path = "C:\\Documents and Settings\\Adam\\Application Data\\TuiAdditions\\APOLLO\\"
```

I don't know if this is case sensitive but that's how I have it.

- Download PMW version ?? (Python Megawidgets) and put the Pmw folder in ..\python\Lib\site-packages

- Edit "ApolloWindow.py" in the ..\TUIAdditions\APOLLO folder. Add the the path of Hippodraw and the site-packages folder of your python install. Put these lines after the comment line at the top:

```
import sys
sys.path.append("c:\\Program Files\\Hippodraw")
sys.path.append("c:\\Program Files\\Hippodraw\\examples")
sys.path.append("c:\\Program Files\\python\\Lib\\site-packages")
```

- Install DS9 and XPA and install in the c:\Program Files\ds9 and c:\Program Files\xpa folders.

- Download TUI 1.1 zip file for windows, and put TUI folder wherever you want it to live. I put it in c:\Program Files\python\TUI.

- Create a file called "_init.py" in the ..\TUIAdditions\APOLLO folder, and write a comment line in it. It looks like this file comes with the source so this step may be unnecessary now.

- Create a shortcut to c:\Program Files\TUI\runtui.exe.

- You may have to comment out the 'import displayweath' line in "HippoWdg.py" (James' weather display code).

- Restart.

3   Using TUI

- In the TUI window, select Status, TUI Connect. username - anything, ID = za01, password = cornerCube.