

Running AIPS at UNM

To work on the data for homeworks 6-9 you will use the astr423 account on virgo.phys.unm.edu. The password is LWA4fun\$. Please be aware that there are 5 different groups working within the same account so you will need to keep your files in separate subdirectories. These directories and AIPS user numbers are assigned below:

VLA group Megan Lewis, Chris Gallagher, Veronica Dike user: 421, directory a421
VLBA group Peter Sinclair, Joshua Johnson, Daniel Puentes user: 422, directory a422
VLBA group with Savin Varghese, Chris DiLullo, Kirtus Leyba user: 423, directory a423
LWA group with Tim Braun, Danny Sprinkle, Michael Collopy user: 424, directory a424
LWA group with Joe Malins, David Munich, Bahram Saba, Chris Quintana user: 425, directory a425

All machines have the VLA data set loaded up already since those are needed to complete homework 6. Homework 6 should be carried out starting with the multi-source dataset L1157-VLA.MULTIC that we took for this class.

If you have a laptop computer you can install “open NX” (runs under OS X, and linux) and use it to create virtual sessions on virgo which is a linux server-grade machine. If needed you can also check out an old laptop from my office that runs open NX.

Each of you should have been assigned some data to calibrate and then eventually some target sources to calibrate, image and analyze.

On virgo:

A special account, astro423 has been set up with password “LWA4fun\$”. To run AIPS do the following:

Login to the machine as astro423. Start up a terminal window. Now inside the terminal window do the following:

```
% source ~gtaylor/aips/LOGIN.SH  
% aips tv=local:1 (local:2 if local:1 is already in use, or local:3 ...)
```

and accept the default printer (1) which is the laserprinter in room 182. Once prompted enter the user number assigned to your group (e.g., 423; see above).

See the AIPStutorial.pdf file for details about using AIPS and calibrating VLA/VLBA data.

If you are stuck and need help with AIPS you can ask Greg Taylor (room 180). AIPS is quite powerful but has a fairly steep learning curve so be prepared for a struggle and don't give up.