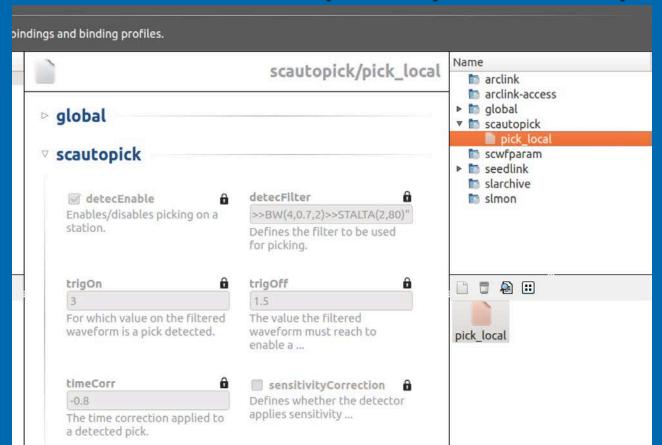
SeisComP3 Playback



Seismic Picker

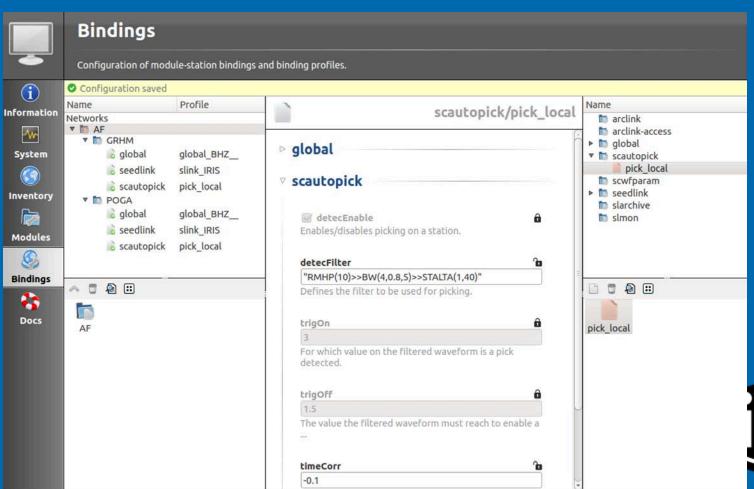
Add a new profile called "pick_local", double click to open up to see options





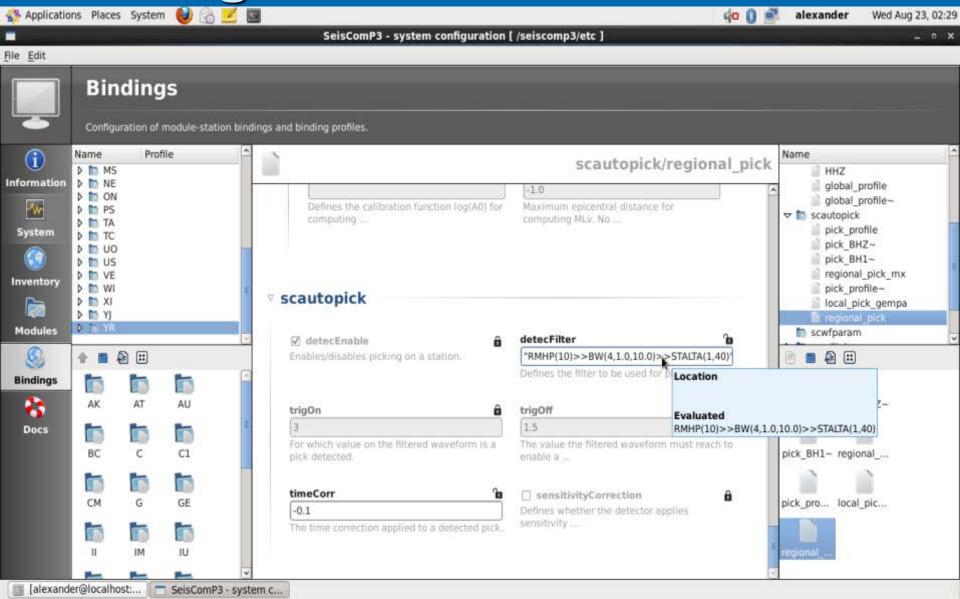
Local Seismic Picker

Change TIME_CORR to -0.1



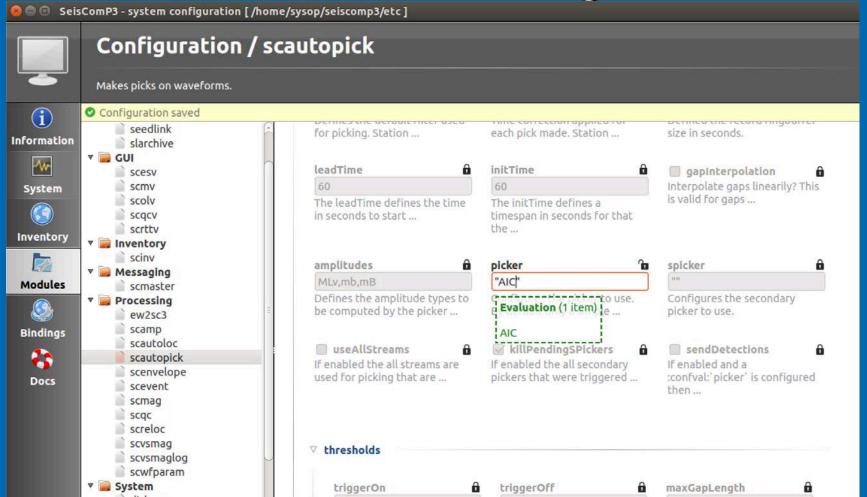


Regional Seismic Picker

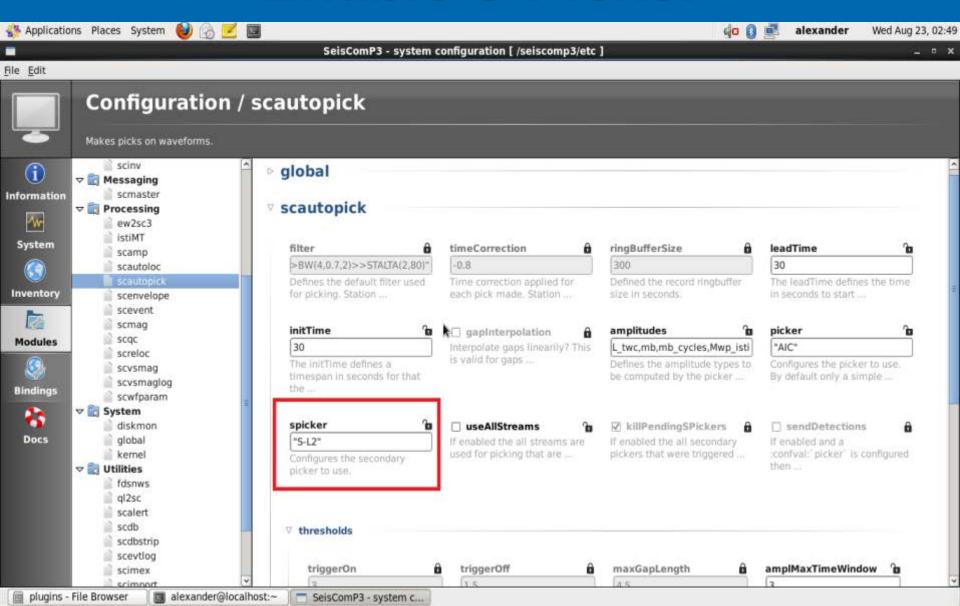


Additional Picker Options

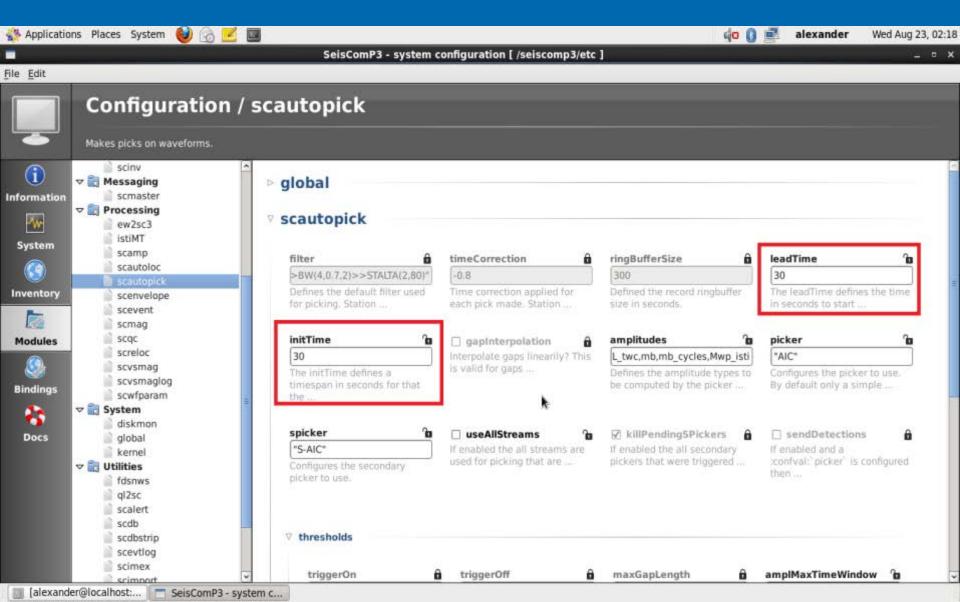
Set the Picker to use. AIC is good for



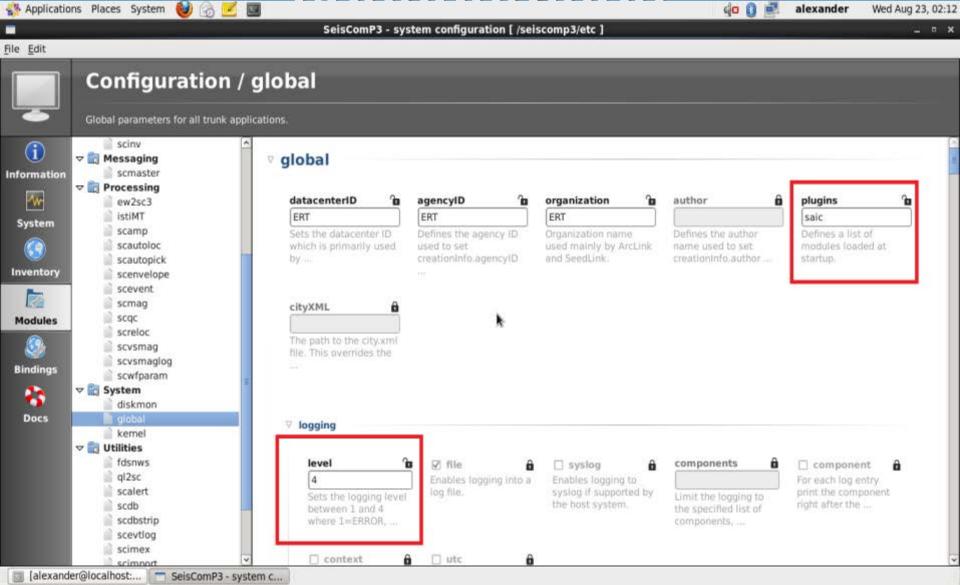
Enable S Picker



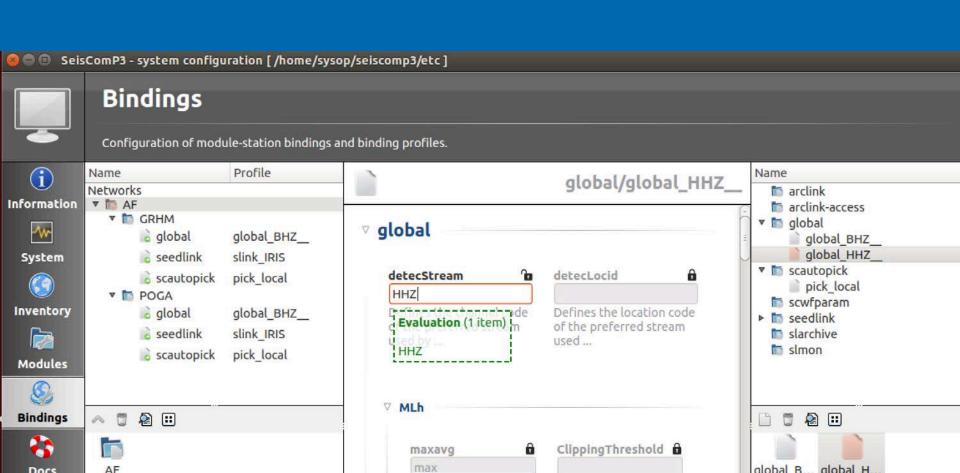
Edit the lead and init times:



Add in 'saic' plugin in global configuration



Additional Global Profile Local



Seismic Picker

- automatic 2 level P and S picker AIC from Switzerland, one by GFZ, STA/LTA. IRIS financed S picker
- ➤ AIC Timestamp detection, configurable time window. better pick, fewer fake picks. better quality and exclude fake picks AIC.



Seismic Picker

- local BW (4,4,20)>>STALTA(0.2,10) [recommended that you have at least 50hz data]
- regional BW(4,1.0,10.0)>>STALTA(1,40)
- teleseismic BW(4,0.7,2)>>STALTA(2,80)
- In general, the more local you go, the more you can utilize higher frequencies
- The more local you go, the short the time window you want



Run These Modules

- > Processing:
- > scamp
- > scautoloc
- > scautopic
- > scevent
- > scmag

Core:

scmaster

spread

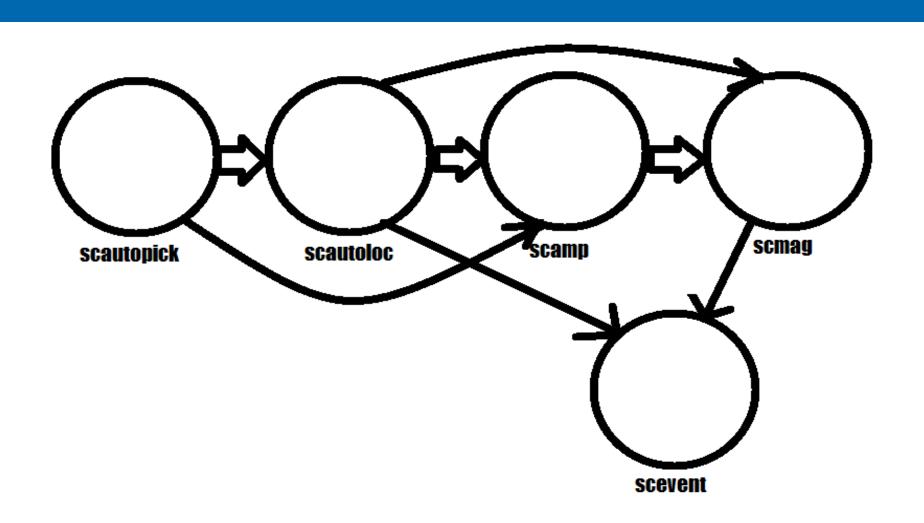
Acquisition:

seedlink

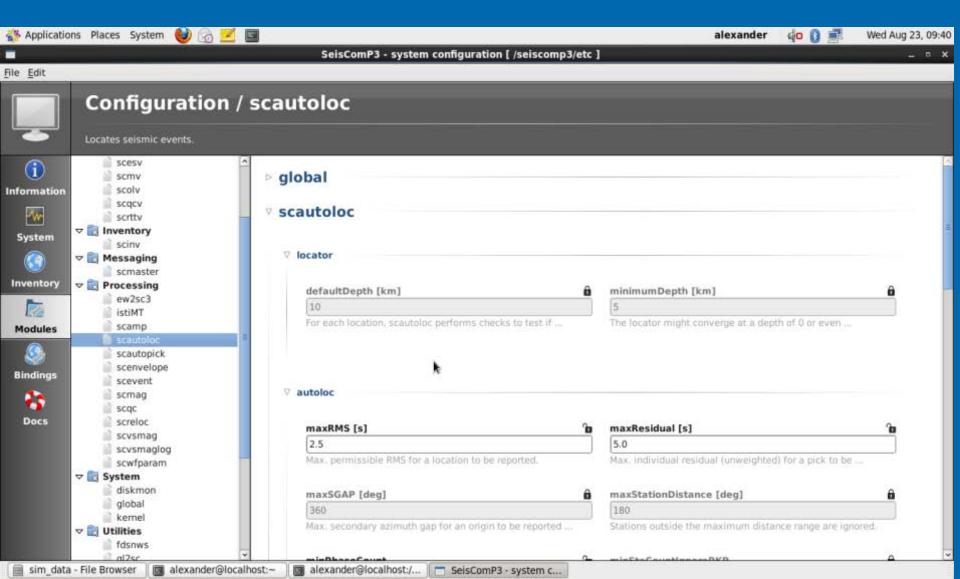
slarchive



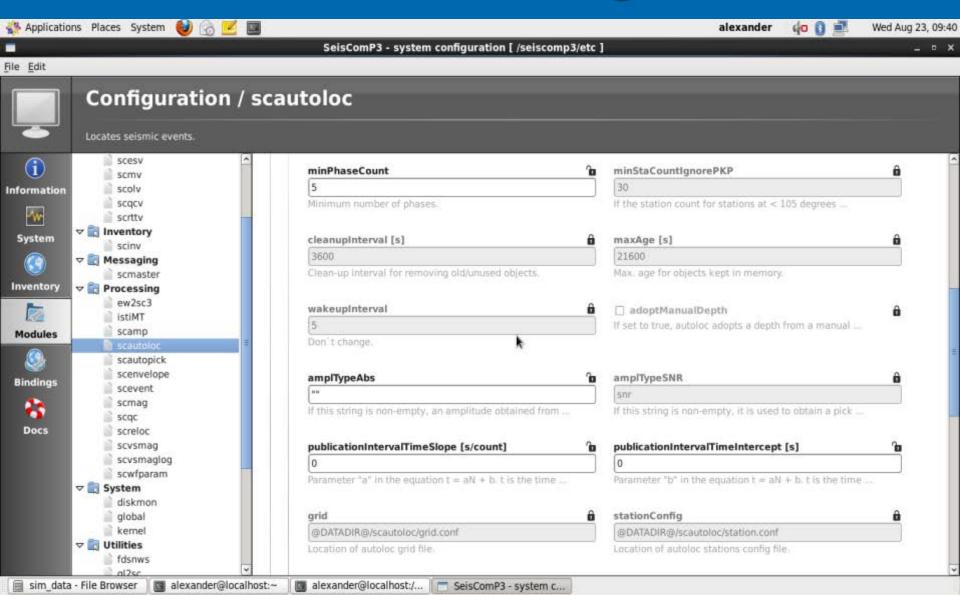
Processing flow

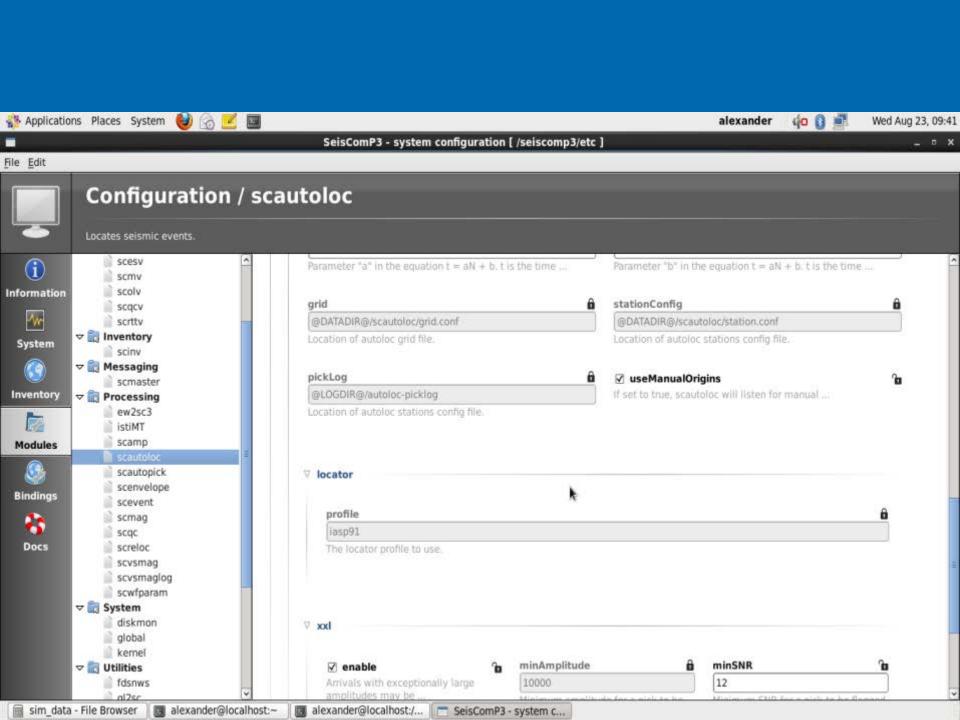


Configuring scautoloc

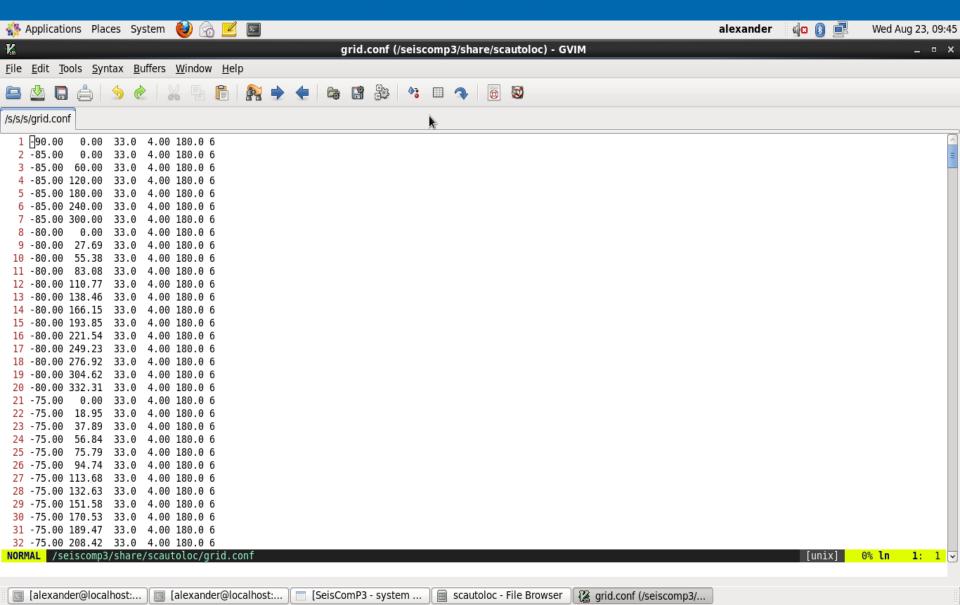


Scautoloc config, cont

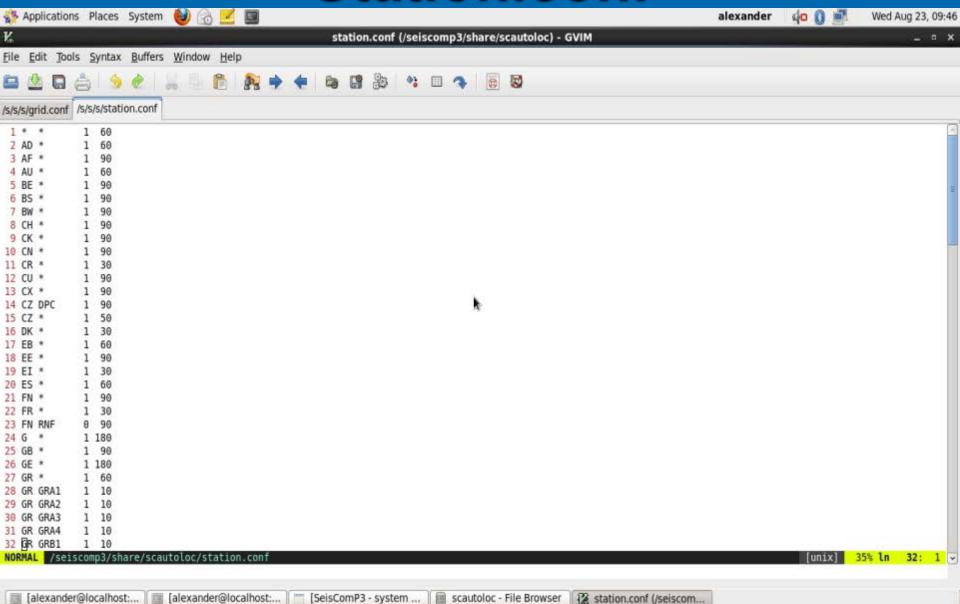




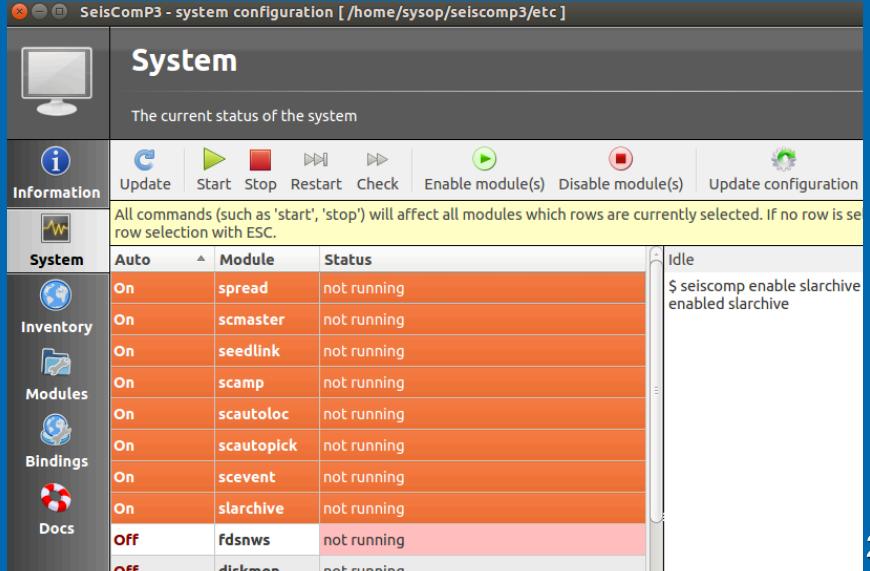
Grid.conf



Station.conf



First Enable; then Start



Running an event

- For this class, we will be primarily running 'canned' events from miniseed files
- Miniseed files are easy to come by and may be generated via request to IRIS (I prefer the Breqfast web tool here: https://ds.iris.edu/ds/nodes/dmc/forms/bregast-request/)
- Generally, for playing back data on your own network, you'll want to have sayed data via slarchive