**Changing software antenna input to RFSoC correlator/beamformer**

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v1.1

If a new antenna were to be introduced or replaced in the digital backend, a few steps are needed in order for the software to see the change.

1. Firstly, make sure that the analog (fiber/SMA) chain has been connected properly to the input of the attemplifiers and RFSoC board.
2. sudo vi /opt/mnt/share/ata\_snap.tab  
   This is the input mapping to the antenna RFSoC boards. Replace the antenna name where needed. Note that there are 2 LOs currently connected to the backend, and so the antenna will have 2 entries.
3. sudo vi /opt/mnt/share/obsinfo.toml  
   This is the input mapping to the correlator. Replace the antenna name accordingly
4. Restart the delay engines on the observing VNC (ctrl-C, then restart)
5. (If needed) On the dsp-control machine, make sure you restart the meta-marshall service:  
   sudo systemctl restart meta\_marshall.service  
   Sometimes the above changes does not automatically reflect in the backend, and a manual restart is needed
6. Give it a minute or so, and then check that the changes are seen in the backend by going to: <http://pipeline-monitor.hcro.org:8081/> and then clicking on any node. The ANTNMSXX entries should reflect the names of the current antennas being utilized by the backend.