

SOP FOR GSB PA VOLTAGE MODE.

1. Save GSB configuration as :



2. Run gsb acq for dasconsole, and wait till it says READ FOR INIT
3. Run initndas command from online. And wait till acq get minute pulse.
4. Init project and start scan.
5. Do phasing if its phased array observation.
6. On **gsbm1** machine give following commands :

```
$ cd /mnt/code/gsbuser/bin/released
$ ./run_PAvoltage.dual.new.csh 300 /mnt/pulsar/gsbuser/ /mnt/pulsar/gsbuser/ test.raw
help : <run script>    <time in sec>    <dir for R1,R2>    <dir for L1,L2>    <datafile>
                                node33                                node34
```

This starts data acquisition/recording for GSB PA VOLTAGE mode, and stops data dumping after given time (Provided time is in seconds).

7. Stop / Halt DAS chain after observation done.

NOTE :

1. Both data directories must be visible on both nodes 33 and 34.
2. R-pol(R1,R2) data will be recorded on node33.
3. L-pol(L1,L2) data will be recorded on node34.
4. 'timestamp' file will be recorded on node33.
5. R1,R2 are time sliced data of R-pol with 2MB data as a time sliced alternatively between R1-R2-R1-R2...
6. same (above 5) is true for L-pol data.
7. This works with 16/32 MHz, 256/512 channels, & Total Intensity.
8. For 32MHz 512* channels one can get data(buffer) loss.
9. For 16MHz ACQ BW : `./run_PAvoltage.dual.new.16MHz.csh`
For 32MHz ACQ BW : `./run_PAvoltage.dual.new.csh`