# How To and list of Reset Sampling Rates on serial TRH's

17-Oct-12; ~8:00-9:00MST, 14:00-15:00Z

Reset Sampling rates from .78hz to speed up to 1hz on the sensors interfaced as serial devices on stations a1,a2,a3,a5,a6,c20,m21,m22.  See table below.   Those interfaced through the motes are and have been at 1hz.

NOTE: When/if someone changes a serial trh, this will likely need to be done.

Method:

| Step | Comment | |
|---|---|---|
| ssh 'Stn' | log into the station as numbered below.<br>GM has these automatically connect | |
| rs 'port#' | Talk to the trh on the given port as noted below | |
| ^U | Ctrl-U enters the TRH's eeprom/command-mode<br>Observe it spit out the menu | |
| TM0<br>-3125 | Reset the clocking for the TRH sampling.<br>The -3125 speeds appears to be about right for 1-sec sampling | |
| EXT | Exit the TRH command-mode<br>Observe it spit out some settings | |
| ^C | exit rserial from talking to trh | |
| ds | Wait for a few seconds and ^c and check the timing to be what you want | |

| Stn | TRH | Rserial port |
|---|---|---|
| a1 | .5m, 2m | rs1, rs5 |
| a2 | .5m, 2m | rs1, rs5 |
| a3 | .5m, 2m | rs5, rs6 |
| a5 | .5m, 2m | rs1, rs5 |
| a6 | .5m, 2m | rs1, rs5 |
| c20 | .5m, 1m, 1.5m, 2.5m | rs2, rs6, rs7, rs9 |
| m21 | .5m, 1.5m, 2.5m, 3m, 4m | rs2, rs8, rs11, rs13, rs15 |
| m22 | 6m, 8m, 15m | rs1, rs5, rs8 |
| | | |