

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. 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 Observe it spit out the menu	
TM0 -3125	Reset the clocking for the TRH sampling. The -3125 speeds appears to be about right for 1-sec sampling	
EXT	Exit the TRH command-mode 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