DAQ Board Commands in Hyper Terminal

H1 or H2:	Display's Command List
DG	Acquire and Display GPS Data
RB	Reset Board (Counter)
RE	Reset Entire Board to Default Settings

Acquiring Data From Detector Channels:

Method #1: For acquiring aggregate data over minimum of 1 minute time periods:

ST 1 m	Sends status line every "m" minutes
ST 2 m	Include scalar data channels S0 – S4 after each qnet status line
ST m	Sends status line now if m = 1 (m=0 stops data stream)

Method #2: For shorter time period data (continuous stream)

CE	Counter Enable
CD	Counter Disable

Capturing a Data Stream in Hyper Terminal:

CD	Disable Counter
In Hyper Terminal go to:	
Transfer>Capture Text	Begins capturing all text lines displayed in HT to a specified file. (Format is text file)
WC 00 _F	Set Coincidence Level ("_" = number of coincidences) "0" = 1 "1" = 2 "2" = 3 "3" = 4
WT 01 00	Sets time delay
WT 02 78	0078 = Hex number for delay = 120 ticks = 120 x 10 ns = 1200 ns (recommended delay for shower experiments) 10 ns is the speed of the card (100 Hz gives T = 1/100 s = 10 ns) **Note:** Recommended Delay for Muon Lifetime = 50 nano sec Recommended Delay for telescope = 150 ns
WC 02 cd	Sets width of gate
WC 03 ab	For Showers: 2400 ns = 240 x 10 ns = F0 WC 02 F0 WC 03 00 For Muon Lifetime: 10 000 ns = 1000 x 10 ns = 3E8 WC 02 E8 WC 03 03

For Telescope: 240 ns = 24 x 10 ns = 18
WC 02 18
WC 03 00

H1	Help One
H2	Help Two
DG	Get GPS Data
DS	Scalar Counts
DC	Get Configuration Information
DT	Time Control
BA	Get Barometer
TH	Get Temperature
TI	Get Time
V1	View Registers
V2	View Voltage
RB	Reset Board (counter)
CE	Enable counter to begin data stream (or use Method #1 above) (**Immediately** after RB command)

(Allow data to stream as long as desired)

CD	Disable counter to stop data stream
DG	Get GPS Data (immediately after CD)

In Hyper Terminal go to:
Transfer>stop capture