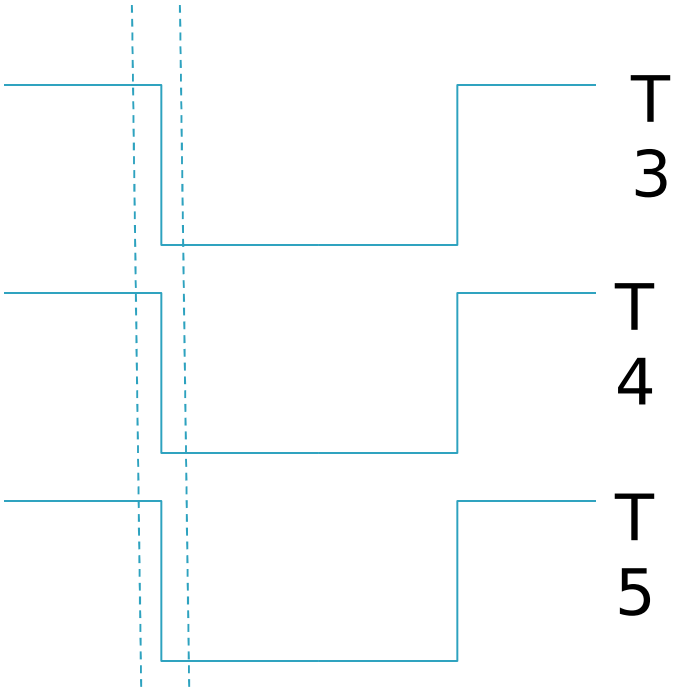
L-HRS Triggers

- T1 (S2)
- T2 (S0)
- T3 (S1.and.S2)
- T4 (efficiency trigg.) [(S1.and.C).or. (S2.and.C)].and.NOT(S1.and.S2)
- T5 .....

Click to edit Master subtitle style

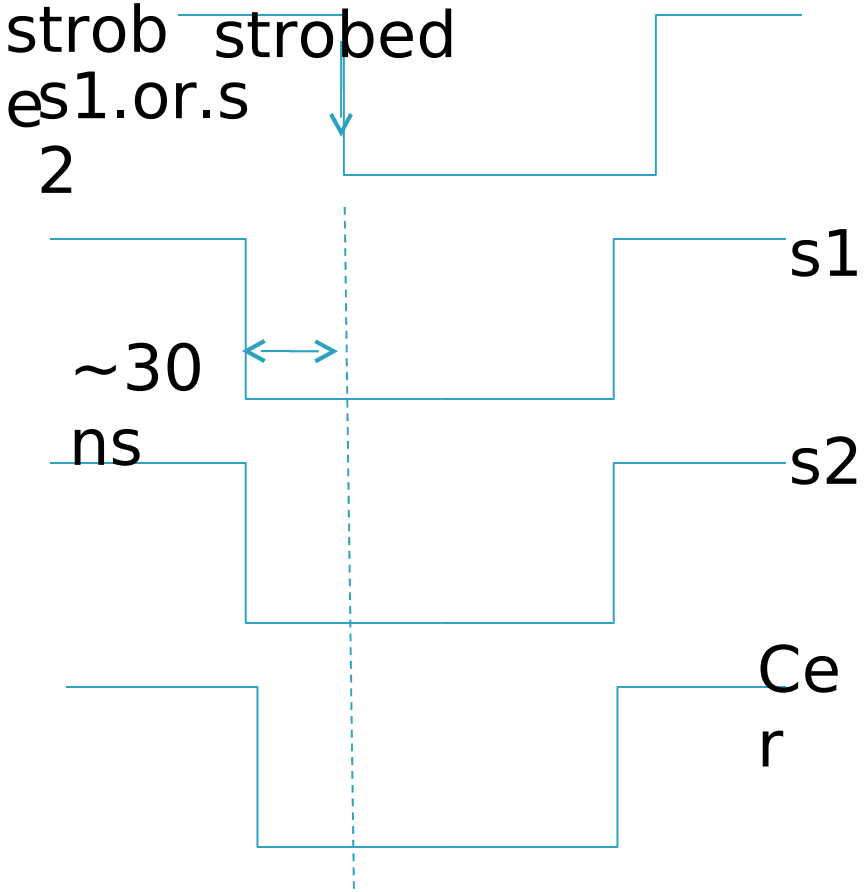
- Retiming cable is missing (long cable)

At trig. super



±(20-30)
ns

MLU looks at inputs when strobed



9/19/10

Cabling

- TDC: Crate 4, slot 16, channels assigned
  - S2R: 0-15
  - S2L: 16-31
  - S1: 32-47 (S1L 0-5, S1R 8-13)
  - Cer: 48-63 (Cer 0-9, S0A, S0B)
- Need three cables (NIM-2 pins) from the hut down to the TDC

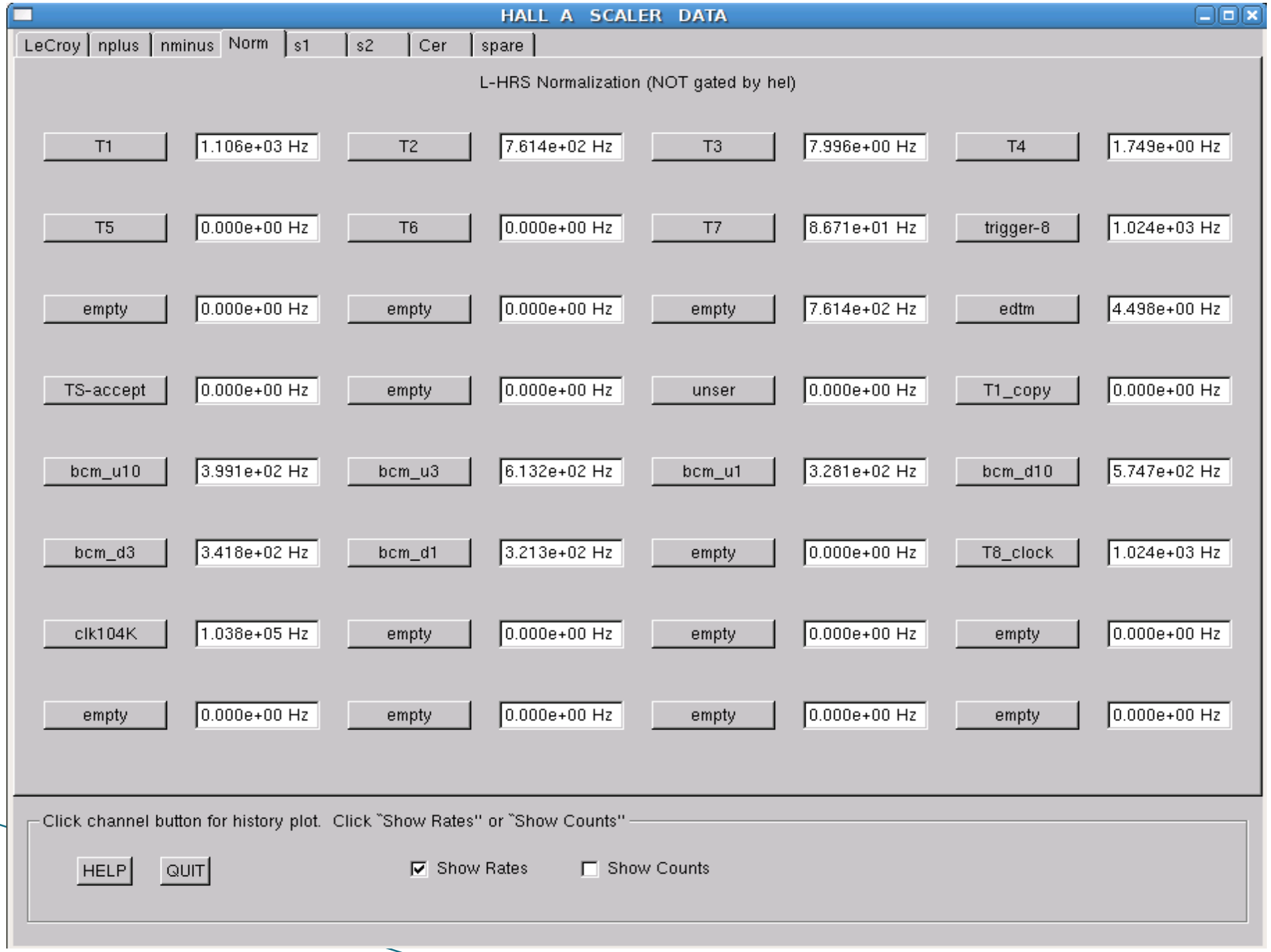
Scalers

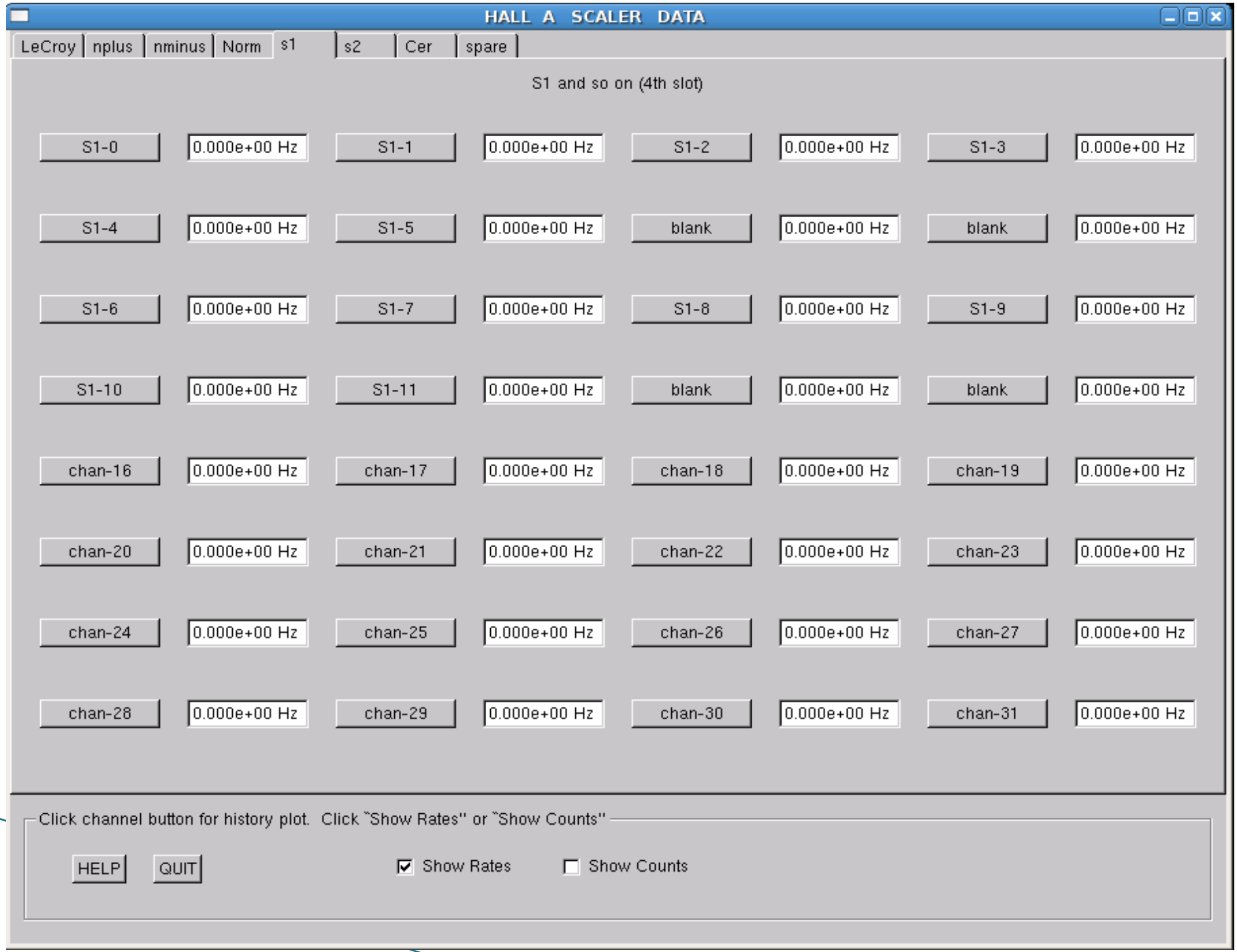
- Scalers cables are connected
- Scaler map is updated

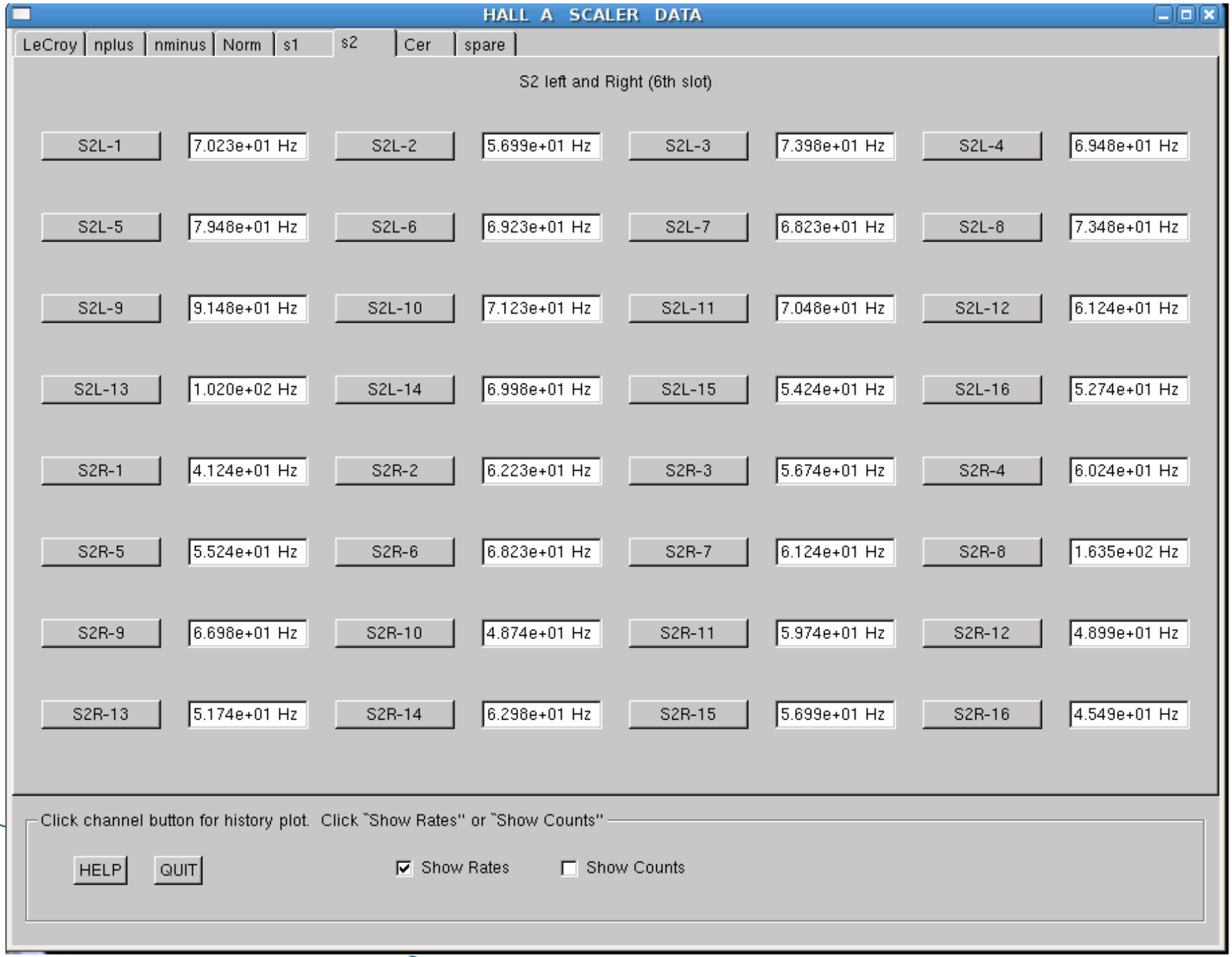
  ….. goxscaler

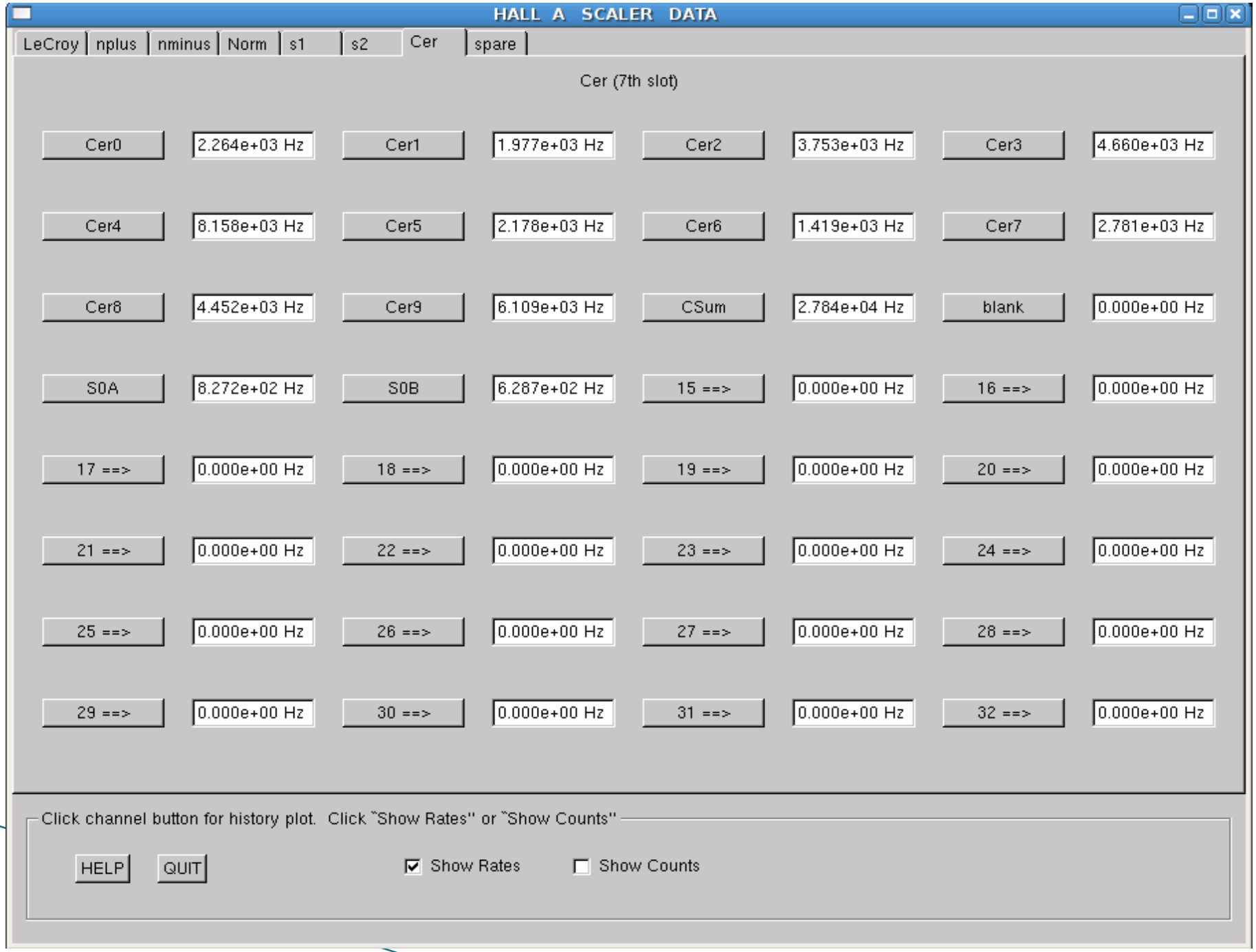
  ./xscaler Left

Once finalize everything, the code will be posted for future references


HALL A SCALER DATA
LeCroy
nplus
nminus
Norm
s1
s2
Cer
spare
L-HRS Normalization (NOT gated by hel)
T1
1.106e+03 Hz
T2
7.614e+02 Hz
T3
7.996e+00 Hz
T4
1.749e+00 Hz
T5
0.000e+00 Hz
T6
0.000e+00 Hz
T7
8.671e+01 Hz
trigger-8
1.024e+03 Hz
empty
0.000e+00 Hz
empty
0.000e+00 Hz
empty
7.614e+02 Hz
edtm
4.498e+00 Hz
TS-accept
0.000e+00 Hz
empty
0.000e+00 Hz
unser
0.000e+00 Hz
T1_copy
0.000e+00 Hz
bcm_u10
3.991e+02 Hz
bcm_u3
6.132e+02 Hz
bcm_u1
3.281e+02 Hz
bcm_d10
5.747e+02 Hz
bcm_d3
3.418e+02 Hz
bcm_d1
3.213e+02 Hz
empty
0.000e+00 Hz
T8_clock
1.024e+03 Hz
clk104K
1.038e+05 Hz
empty
0.000e+00 Hz
empty
0.000e+00 Hz
empty
0.000e+00 Hz
empty
0.000e+00 Hz
empty
0.000e+00 Hz
empty
0.000e+00 Hz
Click channel button for history plot. Click "Show Rates" or "Show Counts"
HELP
QUIT
Show Rates
Show Counts


HALL A SCALER DATA
LeCroy
nplus
nminus
Norm
s1
s2
Cer
spare
S1 and so on (4th slot)
S1-0
0.000e+00 Hz
S1-1
0.000e+00 Hz
S1-2
0.000e+00 Hz
S1-3
0.000e+00 Hz
S1-4
0.000e+00 Hz
S1-5
0.000e+00 Hz
blank
0.000e+00 Hz
blank
0.000e+00 Hz
S1-6
0.000e+00 Hz
S1-7
0.000e+00 Hz
S1-8
0.000e+00 Hz
S1-9
0.000e+00 Hz
S1-10
0.000e+00 Hz
S1-11
0.000e+00 Hz
blank
0.000e+00 Hz
blank
0.000e+00 Hz
chan-16
0.000e+00 Hz
chan-17
0.000e+00 Hz
chan-18
0.000e+00 Hz
chan-19
0.000e+00 Hz
chan-20
0.000e+00 Hz
chan-21
0.000e+00 Hz
chan-22
0.000e+00 Hz
chan-23
0.000e+00 Hz
chan-24
0.000e+00 Hz
chan-25
0.000e+00 Hz
chan-26
0.000e+00 Hz
chan-27
0.000e+00 Hz
chan-28
0.000e+00 Hz
chan-29
0.000e+00 Hz
chan-30
0.000e+00 Hz
chan-31
0.000e+00 Hz
Click channel button for history plot. Click "Show Rates" or "Show Counts"
HELP
QUIT
Show Rates
Show Counts


HALL A SCALER DATA
LeCroy
nplus
nminus
Norm
s1
s2
Cer
spare
S2 left and Right (6th slot)
S2L-1 7.023e+01 Hz
S2L-2 5.699e+01 Hz
S2L-3 7.398e+01 Hz
S2L-4 6.948e+01 Hz
S2L-5 7.948e+01 Hz
S2L-6 6.923e+01 Hz
S2L-7 6.823e+01 Hz
S2L-8 7.348e+01 Hz
S2L-9 9.148e+01 Hz
S2L-10 7.123e+01 Hz
S2L-11 7.048e+01 Hz
S2L-12 6.124e+01 Hz
S2L-13 1.020e+02 Hz
S2L-14 6.998e+01 Hz
S2L-15 5.424e+01 Hz
S2L-16 5.274e+01 Hz
S2R-1 4.124e+01 Hz
S2R-2 6.223e+01 Hz
S2R-3 5.674e+01 Hz
S2R-4 6.024e+01 Hz
S2R-5 5.524e+01 Hz
S2R-6 6.823e+01 Hz
S2R-7 6.124e+01 Hz
S2R-8 1.635e+02 Hz
S2R-9 6.698e+01 Hz
S2R-10 4.874e+01 Hz
S2R-11 5.974e+01 Hz
S2R-12 4.899e+01 Hz
S2R-13 5.174e+01 Hz
S2R-14 6.298e+01 Hz
S2R-15 5.699e+01 Hz
S2R-16 4.549e+01 Hz
Click channel button for history plot. Click "Show Rates" or "Show Counts"
HELP
QUIT
Show Rates
Show Counts


HALL A SCALER DATA
LeCroy
nplus
nminus
Norm
s1
s2
Cer
spare
Cer (7th slot)
Cer0
2.264e+03 Hz
Cer1
1.977e+03 Hz
Cer2
3.753e+03 Hz
Cer3
4.660e+03 Hz
Cer4
8.158e+03 Hz
Cer5
2.178e+03 Hz
Cer6
1.419e+03 Hz
Cer7
2.781e+03 Hz
Cer8
4.452e+03 Hz
Cer9
6.109e+03 Hz
CSum
2.784e+04 Hz
blank
0.000e+00 Hz
S0A
8.272e+02 Hz
S0B
6.287e+02 Hz
15 ==>
0.000e+00 Hz
16 ==>
0.000e+00 Hz
17 ==>
0.000e+00 Hz
18 ==>
0.000e+00 Hz
19 ==>
0.000e+00 Hz
20 ==>
0.000e+00 Hz
21 ==>
0.000e+00 Hz
22 ==>
0.000e+00 Hz
23 ==>
0.000e+00 Hz
24 ==>
0.000e+00 Hz
25 ==>
0.000e+00 Hz
26 ==>
0.000e+00 Hz
27 ==>
0.000e+00 Hz
28 ==>
0.000e+00 Hz
29 ==>
0.000e+00 Hz
30 ==>
0.000e+00 Hz
31 ==>
0.000e+00 Hz
32 ==>
0.000e+00 Hz
Click channel button for history plot. Click "Show Rates" or "Show Counts"
HELP
QUIT
Show Rates
Show Counts