spdaq20 is the main acquision computer for experiment 05133. Its physical location is outside the S800 vault. spdaq29 is the computer in the racks downstairs in the S800. For test runs, use spdaq29 since the S800 people will need their own spdaq. For coincidence, we must be on spdaq 20.

How to Change Between spdaq20 and spdaq29

All *filenames* will be in italics and referenced to */user/05133/*, the 05133 home directory.

1) In the *.bashrc* file in the home directory, change spdaq20 to spdaq29 (or reverse) in three places.

2) Exit and log into every linux terminal, in order to reload the *.bashrc* file there. Caen does not have to be reloaded.

3) In the file *Current/ASIC_control/silstrip.tcl*, set WithS800 = "yes" for spdaq20 or = "no" for spdaq29.

4) In the file *Current/ASIC_control/constants.h* uncomment "#define WITHS800" for spdaq20 or comment it out for spdaq29

5) In the directory *Current/ASIC_control/*, type "make clean" then "make"

6) In the file *Current/Readout/input-files/constants.h* uncomment "#define WITHS800" for spdaq20 or comment it out for spdaq29

7) In the directory *Current/Readout/src/*, type "make clean", then "make –f Makefile.S800" for spdaq20 or "make" for spdaq29

8) In the file *Current/Pico/pico.tcl*, make sure the line near the top is "set vmecrate 2" for spdaq20 or "set vmecrate 0" for spdaq29.

9) In the file *bin/goscaler*, the filename at the end of the file "{long directory}/ScalerDisplay filename", for spdaq20, the filename should be *scalers_withS800.tcl* or for spdaq29 the filename should be *scalers_05133.tcl*