**SCC3 Response Procedure**

If you the cavity could not engage the Tuner and Phase lock through EPICS, proceed as follows:

1. In ISAC-II Power Supply Room, check if the red LEDs are on for on the Cryo Module Tuner Servo Sysem in the figure below.



Figure Cryo Module Tuner Servo System

Look up Cavity Tuning control program panel to see if the Amp indicator field shows red.

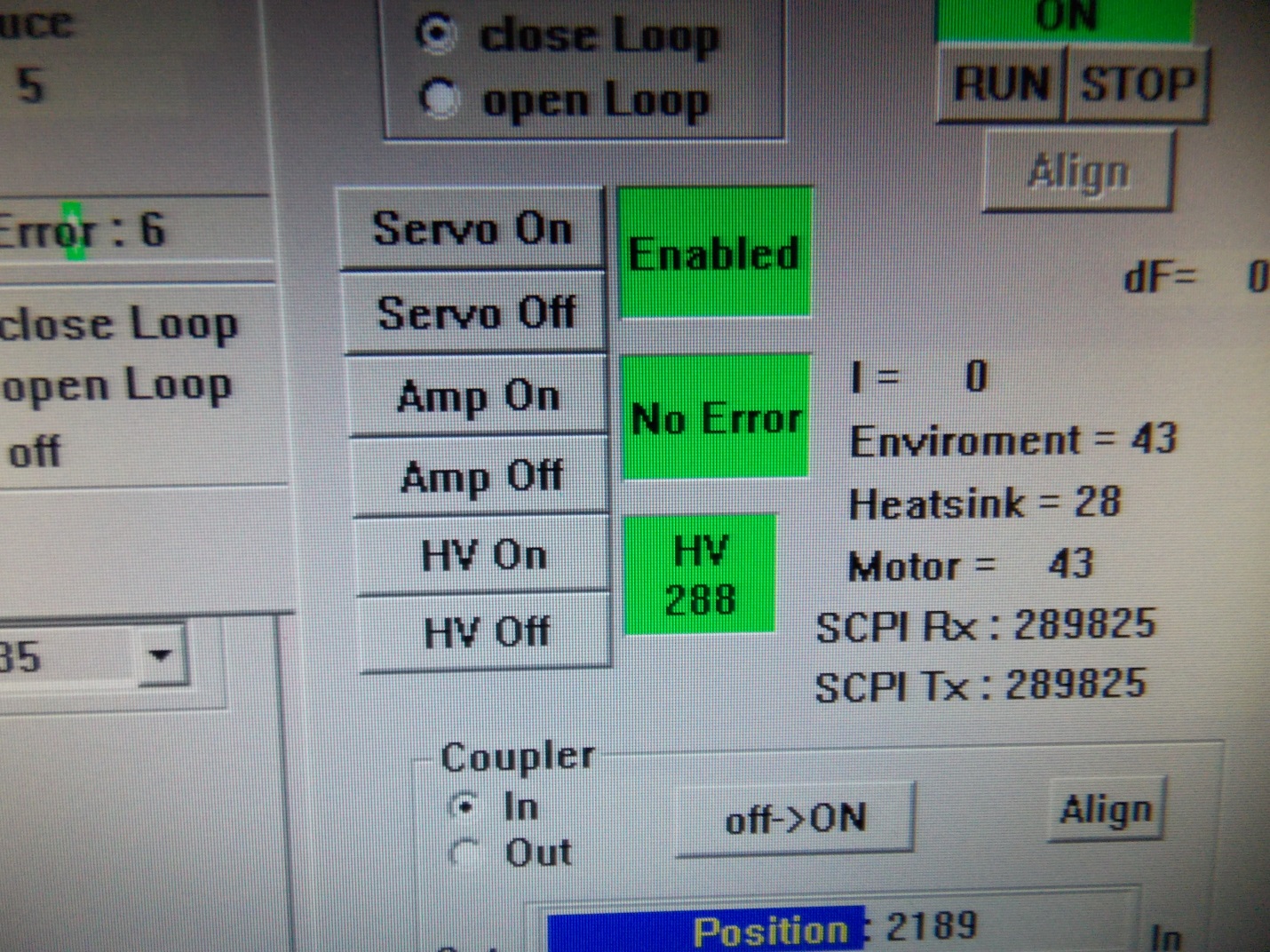


Figure Cavity Control Program Cavity Tuning Panel

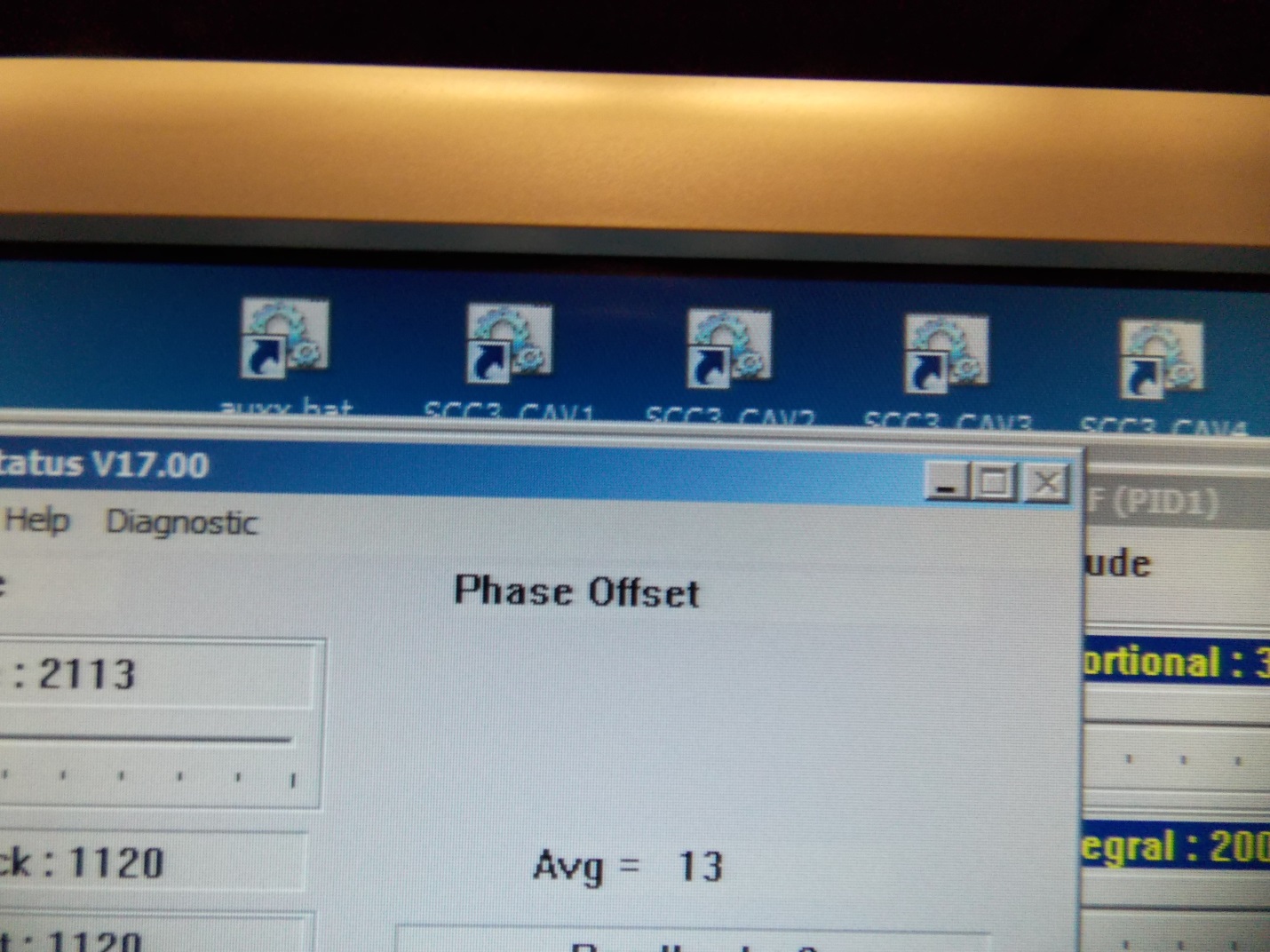
1. Write down the set-points for Amplitude, Phase Rotator, and Phase for all the cavities on that control console.
2. Turn off all the cavities on the console.
3. Set the corresponding amplifiers to “Stand By”.
4. Shut down the control computer. The console will ask if you want to save before shutting down. Select “Do Not Save”.
5. With the console off, power down the VXI mainframe below the screen and wait at least 5 seconds before turning it back on. Then boot up the control console.



Figure SCRF Control Console VME.

1. On the Cryo Module Tuner Servo System panel shown in Figure 2, turn and pull up the “Emergency Off” button to enable the contactors.
2. On the control console desktop, right click on the following icons to open the control programs:

AUXX.BAT, SCC3:CAV1, SCC3:CAV2, SCC3:CAV3, SCC3:CAV4.



1. Enter the set-points noted down in Step 2.
2. Turn on the amplifiers by pressing “Operate”.
3. Go through all the cavities on that console and enter the set-points
4. For each of the affected cavities, click on : Tuner On, Amp On, Servo On.
5. Once all of the green LEDs on Cryo Module Tuner Servo System panel lit up, click on Auto-On on each of the affected cavity.