

PROCEDURE TO CONTROL BOOSTER RF TRACK (ADJUSTING THE BOOSTER RF STARTING FREQUENCY)

Caveat: IF you don't know what you are doing then don't make adjustments to the Booster Rf.

Some words from the master – ZKL --- the symptom which would indicate that this needs to be changed is a sharp 'capture' loss about 10 ms after injection (best to look at BXI.CIRC_XFMR_NORM). It is more common to have to change this with deuterons. Typically, one would scan this number up and down by a few counts to minimize the loss. It's not Rf_Track that one is adjusting here, it is the starting Rf frequency, which the way things are setup now, is equivalent to the Rf frequency when the beam is injected.

To Control the Booster Rf Starting frequency

- 1) Go the operations web page
<http://www.cadops.bnl.gov/AGS/Operations/>
and click on "Link to BRF PC" in the Operations Tools Column
- 2) Type in the password *nim_reset*
- 3) Click OK
- 4) IF you don't find the program Booster RF_Control running (look on the bar at the bottom) then double click on the icon and start the program

Note: Don't Execute any other applications on the PC

- 5) Enter the correct PPM user in the box in the upper left corner of the Booster RF Control application window.

Note: The program has no buffer – you cannot recall any Setpoint you have not memorized or written down

- 6) Memorize the number in the Table Offset box in the I/O Parameter column
- 7) Adjust the number in the Table Offset box by a few counts up or down.
- 8) Observe the beam intensity
- 9) Close the application
- 10) Kill the browser