# Measuring SSRL Septum - Scott Anderson 6/13/16

1. Reconnect leads from power supply 6 via TS 2 cabinet. (Already connected to cabinet)
2. Reconnect thermal switch leads for TS2. There are pictures in the data folder.
3. Reconnect water from TS2.
4. Run water and test flow switch, should be already set.
5. Turn on bypass water near link box using 1/4 turn valves, flow is already set.
6. Turn on high pressure pump.
7. Turn on breaker and power supply breaker, but not power supply ON button
8. Use Field IntegralsXY.prj in C:\DEV\_MMCVI\Applications\Field Integrals XY. Data files are in C:\Magdata\SSRL\Septum\B9V2\
   1. For Bx field integral measurement: copy parameter file intpar.r14 into param.h of IntegralsXY.prj using CTRL A then CTRL C **Clean Project** to pick up new param.h values.
   2. For By field integral measurement use intpar.r20 and intpar.r21. Each covers a different range. Run r20 goes from -25 mm to +5 mm in 2.5 mm steps and r21 from +5 mm to +14 mm in 0.5 mm steps. **Clean Project** to pick up new param.h values.
9. Run program and following prompts. You will have to turn on the power supply once the zero offset is measured.
10. If some error should occur, use Izero to ramp the supply down. The restart IntegralsXY, it will prompt you to go back to zero position on the stages at the beginning of the program if the stages are not at zero.
11. Un check box: *Detect uninitialized local variables at run time* if program stops because of an uninitialized variable fault.
12. There are setup pictures which might be of help in the data folder.
13. Good Luck and Thanks