

This procedure is to be performed upon restarting klystron operation after 7 days of downtime...
(n is the station number)

1. Check water flow
 - a. Enclosure
 - skid valves
 - 1 valve pair per structure
 - load cooling header valve (1250 & 1450)
 - b. Klystron
 - blue main
 - 2" ball valve behind modulator
 - c. Roof
 - 2" ball valve to upstairs main
 - 1.5" ball valve (1 pair per station)
 - d. Check Hstb for temp
 - ACCn_1&2 should =112F +/-1.0F
 - NLC_PRES=85PSIG +/-10PSIG
2. Check vacuum pumps
 - a. All appropriate pumps on & in protect mode – see SCP list
 - b. Check enclosure HV distribution boxes to insure all pumps plugged into powered channel.
 - c. Check roof HV distribution box to insure all pumps plugged into powered channel.
 - d. Check that the appropriate pumps are enabled on the PLC interlock summary chassis (chassis below HV on/off chassis)
3. Compare klystron focus coil settings values to traveller values (2X per station)
 - Bucking coil
 - top solenoid
 - bottom solenoid
4. Klystron lead in place
5. Cables attached to directional couplers and patched to control room
 - KLYOUT_Rn,
 - SLEDOUT_Fn
 - SLEDIN_Fn
 - LOAD_Fn
6. KLYOUT_Rn jumpers connected.
7. Test slow RE using RE test macro on Process panel
8. Set labview program to vax control and confirm on SCP process panel
9. Calibrate and load AFGs
10. Set attenuator to max(65db)
11. Locally turn on HV
12. Measure HV and confirm it is 415kV
13. Bring drive up to less than 50% of past processing value
14. Observe the following signals on b128 scope
 - KLYOUT_Rn
 - SLEDOUT_Fn
 - SLEDIN_Fn
 - LOAD_Fn
15. Test intrapulse re
16. Check PPA system functioning
17. Tune up sled
18. Enable labview autoprocess

Name/Date _____