Switch-ON SOP of Correlator System
(all Digital Backends and misc. m/c's)

Digital Backend Group Members, Date : 05/10/2018

1. GWB System :

a. Switch ON the UPS/INPUT & Individual MCBs, if switched OFF
b. Switch ON all the gwbh1 to gwbh10 m/c's and gwbcorr1 to gwbcorr16 m/c's in GWB rack1 to rack6.
c. Switch ON the ctrlpoco m/c in the GWB rack3(top)
d. Turn ON all ROACH boards by pressing the power ON-OFF switch
e. Then Turn ON master pps distribution Unit in GWB rack4 by putting back the AC input cable
g. Turn ON the Hitite Signal Generator (for Clock in the GWB rack4) and then set Frequency at 800MHz, Power at 20dbm and "EXT ON" using knob and button.
h. Turn ON the Temperature monitoring machine in the GWB rack 4
i. Make sure all switches and fans in the racks are ON/working.

2. GSB System :

a. Switch ON the UPS/INPUT & Individual MCBs, if switched OFF
b. Switch-ON the gsbm1 m/c in the GSB rack5. Make sure it ping from the online/astro8 m/c's from the control room.
c. Switch-ON the gsbm2 to gsbm6 m/c's in the GSB rack5. Make sure they ping from the online/astro8 m/c's from the control room.
d. Switch-ON node1 to node50 in the GSB rack1 to rack4. Make sure they ping from the online/astro8 m/c's from the control room and /mnt/code is mounted on each of them.
NOTE : If any node is not getting power-ON, then remove the power cord, put back & try to switch-ON. Still not, then remove the power unit at the left side(from backside), put it back & then try to switch-ON. Still not, then replace the power unit by spare unit with SSM.
e. Switch-ON the N111 to N118 and CITA1 to CITA7 nodes in the GSB rack4. Make sure all are ON.
f. Switch-ON node51 to node54 in the GSB rack6. Make sure it ping from the online/astro8 m/c's from the control room.
g. Make sure all switches and fans in the racks are ON/working.

3. ONLINE machines (in GSB rack5 & rack6) :

Switch-ON GSB online m/c in the GSB rack5 and GWB online m/c in the GSB rack6.

4. CASPER/SERVER/Misc. m/c's in the GSB rack6 :

Switch-ON all the remaining m/c's in the GSB rack6 one by one.

5. GWBcopy/GWBmp/RFIanalysis/Misc. m/c's & Units in the rack adjacent to GWB rack1 :

Switch-ON all the m/c's and units(if any) in the rack one by one.

6. GWB II System in receiver room :

a. Switch-ON the gwbm1, gpunode5, gpunode6 & ptpgm m/c's one by one.
b. Switch-ON the ROACH board by pressing the power ON/OFF switch.
c. Switch-ON the Trigger Unit.
d. Switch-ON the Hitite Signal Generator and set the frequency at 800MHz, Power at 7dbm and "EXT ON" using knob and button.

7. GPB System :

a. Switch-ON all the machines in the rack one by one.
b. Make sure all switches and fans in the racks are ON/working.