

SHUTDOWN SOP of Correlator System

(all Digital Backends and misc. m/c's)

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

1. GWB System :

- a. ssh -X gpuuser@gwbh6 (gmrt123)
 - b. cd /project/harsha
 - c. ./shutdown.sh
 - d. ssh -X gmrt@ctrlpoco (gmrttifr) in the GWB rack4
 - e. Turn OFF master pps distribution Unit by removing the AC input cable in the GWB rack4
 - f. Then turn OFF all ROACH boards by holding down the power ON-OFF switch for few seconds.
 - g. Turn off the Hitite Signal Generator (for Clock in the GWB rack 4)
 - h. Temperature monitoring machines in the GWB rack 4)
ssh -X root@192.168.4.165 (root2017)
 - i. No need to switch-off switches and fans in the racks.
 - j. Switch-Off the individual MCBs/Input in MDBs& UPS if required, after all other systems/units are switched-off
-

2. GSB System :

- a. ssh -X root@gsbm1 (123\$abc)
 - b. cd /utility_scripts/halt_all.csh
 - c. ./kill_all.sh to stop all the nodes from 1 to 54 (if any node not shutdown then do it manually)
 - d. Switch-Off nodes N111 to N118 in the GSB rack 4 by holding the power on/off switch for few seconds.
 - e. Switch-Off nodes CITA1 to CITA7 in the GSB rack 4 by holding the power on/off switch for few seconds.
 - f. Login to the gsbm2 to gsbm6 m/c's one by one and shutdown each of them.
 - g. Shutdown gsbm1 m/c.
 - h. No need to switch-off switches and fans in the racks.
 - i. Switch-Off the individual MCBs/Input in MDBs& UPS, if required, after all other systems/units are switched-off
-

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

Please contact Mr. S. N. Katore

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

CASPER m/c's :

- a. Login into CASPER machine : ssh -X gmrt@casper (gmrt321)
- b. cd /home/gmrt/scripts/
- c. ./shutdown.sh

CORRBK m/c :

- a. ssh -X corrbk@corrbk (corrbk)
 - b. halt -p
-

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

gwbmp machine :

This m/c gets shutdown while shutting down the GWB m/c's.

gwbmp machine :

- a. ssh -X user@192.168.4.150 (mat2015)
- b. su -l root (123\$abc)
- c. halt -p

RFI Analysis m/c. :

- a. ssh -X gpuuser@192.168.5.61 (gmrt123)
 - b. su -l root (123\$abc)
 - c. halt -p
-

6. GWB II System in receiver room :

GWB m/c's

- a. ssh gpuuser@gwbm1 (gmrt123)
- b. cd /home/gpuuser/
- c. shutdown.sh (this will shutdown the gwbm1, gpunode5 & gpunode6 m/c's.)

ptpgm m/c.

- a. ssh -X root@ptpgm (ptpgm)
- b. kill the processes "esync " , "run_ptp_master.sh"
- c. halt -p

clock/pps, ROACH unit

- a. Power off Hitite Signal Generator.
 - b. Power off Trigger distribution unit.
 - c. Switch-Off the ROACH board by holding down the power switch for few seconds.
-

7. GPB System :

Follow the SOP pasted at the side panel of the rack till we come-up with proper procedure after ip's are assigned and *.sh file is created to shutdown all the m/c's in the rack.