Date : 10 December 2014

SOP FOR HIGH TIME VISIBILITY MODE WITH GSB

INTRODUCTION

This Mode is only works with TRIAL version OF GSB. DasConsole of TRIAL can be used to run this mode.

PROCEDURE

1. From observer@astro8 enter command as: **ifr_gui trial**
2. Click GSB_CONFIG from GUI, and select following settings combinations :

   GSB_LTA = 4,
   GSB_ACQ_BW = 16,
   GSB_CHAN_MAX= 256,
   GSB_STOKES = Total_Intensity,
   GSB_BEAM_1 = OFF,
   GSB_BEAM_2 = OFF,

3. please check and change (as per requirement) the host file for this mode on gsbm1 machine. File path is as
   gsbm1:/mnt/code/gsbuser/dvl-6/hostgsb2.dat
4. Start acq on gsbm1 machine (1st window) and wait till it says "READY FOR INIT".
5. Start sequentially sockcmd (gsbm1), HT-GATHER (gsbm2), (second and third windows respectively from ifr-dasconsole).
6. Wait till HT-GATHER says "READY FOR INIT".
7. Start gsb-sockcmd (gsbm2) and collect (gsbm2) machines (4th and 5th client windows in ifr-dasconsole).
8. Start "gsbdassrv" from online machine terminal.
9. Init das chain with "cmode = 12" from user0 terminal.
   allant;cmode = 12; tpa(11)= 15; initndas'/temp2/data/gsb.hdr'
10. Wait till acq gets the GPS pulse and HT-GATHER Starts data acquisition blocks.
11. Init project from user0 terminal.
    allant;subar 4;prjobs 'GMRT';prjtitle 'TEST';initprj(15,'TEST')
12. In to a last record window (ifr-dasconsole) use following format to record data :
    TEST /mnt/gsbifrdata2/gsbuser/20Nov11/test_125ms.lta
    TEST /mnt/gsbifrdata2/gsbuser/20Nov11/test_1s.lta 8
13. Use regular commands to start and stop das scans as per requirement.
14. Log-in to gsbm2 as gsbuser to check lta data. The commands like **ltahdr**, **tax** and **dasmon.pl** are working.

NOTE :

While running tax please monitor for "*Buffer Loss / Missing Blocks*" at gsbsockcmd,collect, and record programs on gsbm2.