

7. How To Start Observation through Script using GUI.

7.1 Continuum Observation for Both GSB and GWB.

Step 1. Rotate feed to desired frequency band.

Step 2. Set RF,LO,IF, GAB,OFC => Refer “5. Antenna SubSystem Configuration”

Step 3. Configure Correlator (GSB and GWB).

Step 4. Start DAS chain

Step 5. Set TPA

(1) GWB -Give TPA : Note for continuum obs DDCL0 is zero (0 0)

Formula : $RF1\ RF2\ +/-GABLO\ +/-GABLO\ DDCL0\ DDCL0\ 3/12$

Default TPA for GWB		
Freq. Band	USB(3)	LSB(12)
Band 5	1060 1060 1060 1060 0 0 3	1460 1460 -1460 -1460 0 0 12
Band 4	550 550 550 550 0 0 3	950 950 -950 -950 0 0 12
Band3	-	500 500 -500 -500 0 0 12
Band2	100 100 100 100 0 0 3	300 300 -300 -300 0 0 12

Note : Select GAB filter Bandwidth accordingly

(2) In case of GSB, the same as ONLINE shall be followed i.e. no change in TGC.

Default TPA for GSB		
Freq. Band	LSB(12)	USB(3)
1420 MHz	1409 1409 1460 1460 51 51	-
1390 MHz	-	1371 1371 1320 1320 51 51
1280 MHz	-	1281 1281 1230 1230 51 51
1170 Mhz	-	1151 1151 1100 1100 51 51
725 MHz	-	591 591 540 540 51 51
470 MHz	-	306 306 255 255 51 51
150 MHz	156 156 218 218 62 62	-