UnstableSelf

610MHz.

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 Observation Sr. No. : 0719, 0721, 0722, 0723,0724
 Project Name : System Test Observation

ANTENNA SETTINGS :
 RF Band(MHz) \& Solar Attn(dB)- RF1 : 591 MHz ,RF2 : 591 MHz, SA1 : 0 dB,
 SA2 : 0 dB, Ist LO (MHz) \& IVth LO (MHz): ILO1 : 540 MHz, ILO2 : 540 MHz,
 IVLO1 : 51 MHz, IVLO2 : 51 MHz, IF BW(MHz): 32 MHz, ALC : OFF

GSB SETTINGS :
 GSB Mode : RealTime, GSB LTA : 8, GAIN EQ : OFF, Stokes : Total_Intensity,
 Beam - 1 : OFF, Beam - 2 : OFF, ACQ BW : 32 MHz, Maximum Channels : 256 ,
 IFBW (MHz) : LO5 (KHz) : 32:149000-156000,
 Final Bandwidth (MHz): OFF MHz; Step # 0,

Frequency Parameters (TPA) :   591 591 540 540 51 51.
Integration Time :  16.106 Sec.

Name of Non-Working Antennas (with reason for each) :
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 Power equalised @ 300counts.
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1. **E04** : 130 : Within 15min the self counts increases by 80 to 90 counts. then slowly it's getting decreased around 80 to 90 counts within 20-30min. it not happening frquently. 175 : Okay.
2. **E06** : The self power of both pols shifts down to some paticular count then it stay constant around 10min again it shifts up and stay constant around 30min. It repeatedly shows same behavior.This observed at 1390Mhz also.
3. **S02** : Both pols are behaving same but counts are different.
4. **W02 & W03** : Both antennas are behaving like sine wave. Both antennas repeatedly shows same behavior. This observed at 1390MHz also.
5. **W06** - 130 - sometimes it drop down & stay stable for some time around 20min
6. **C02,C10,C14-130** - Fig.4 : In the middle of the observation the self power of antennas slowly gets changed and after 90min. it's became stable.

Figure 1: 610MHz : Unstable self

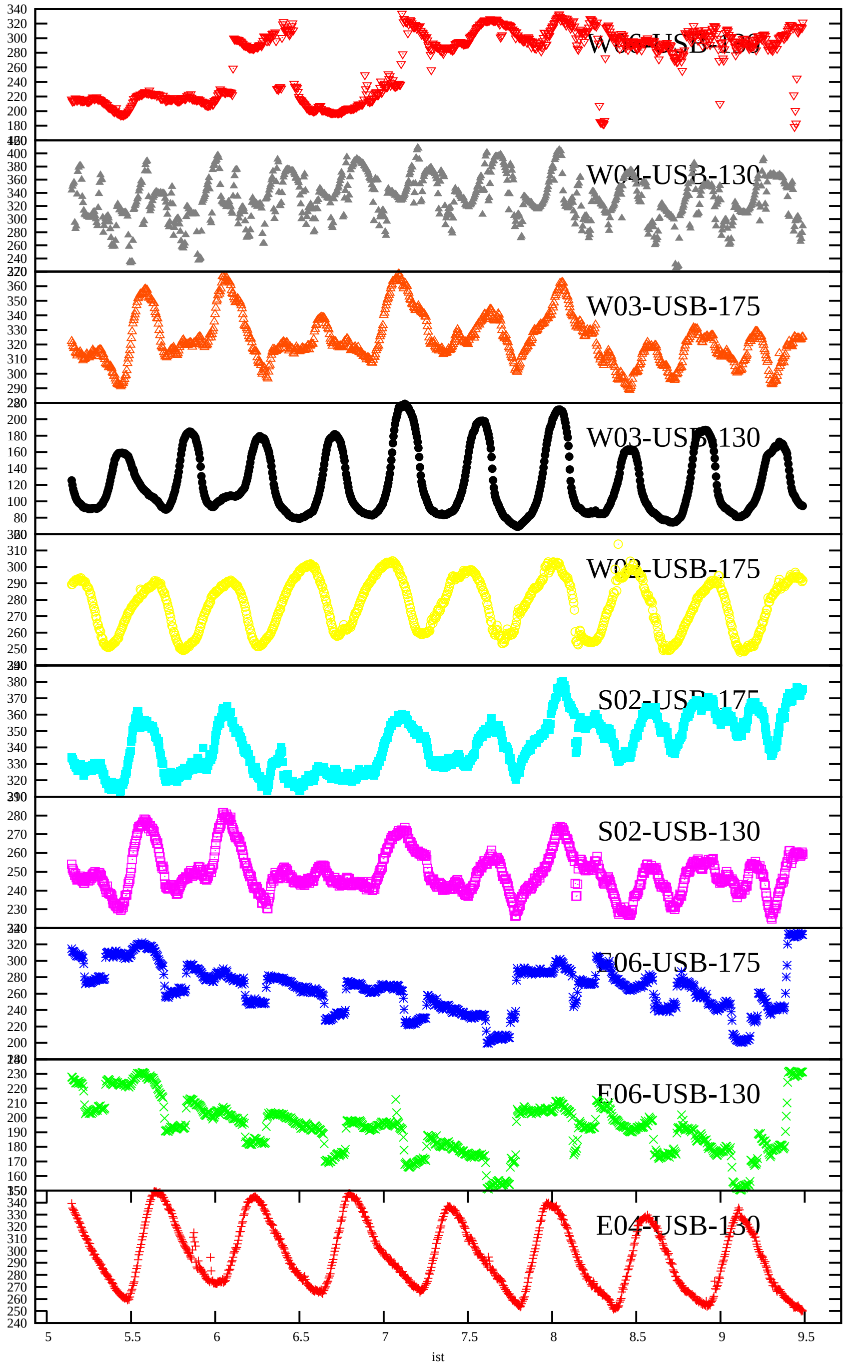

Figure 2: 610MHz : Unstable self power

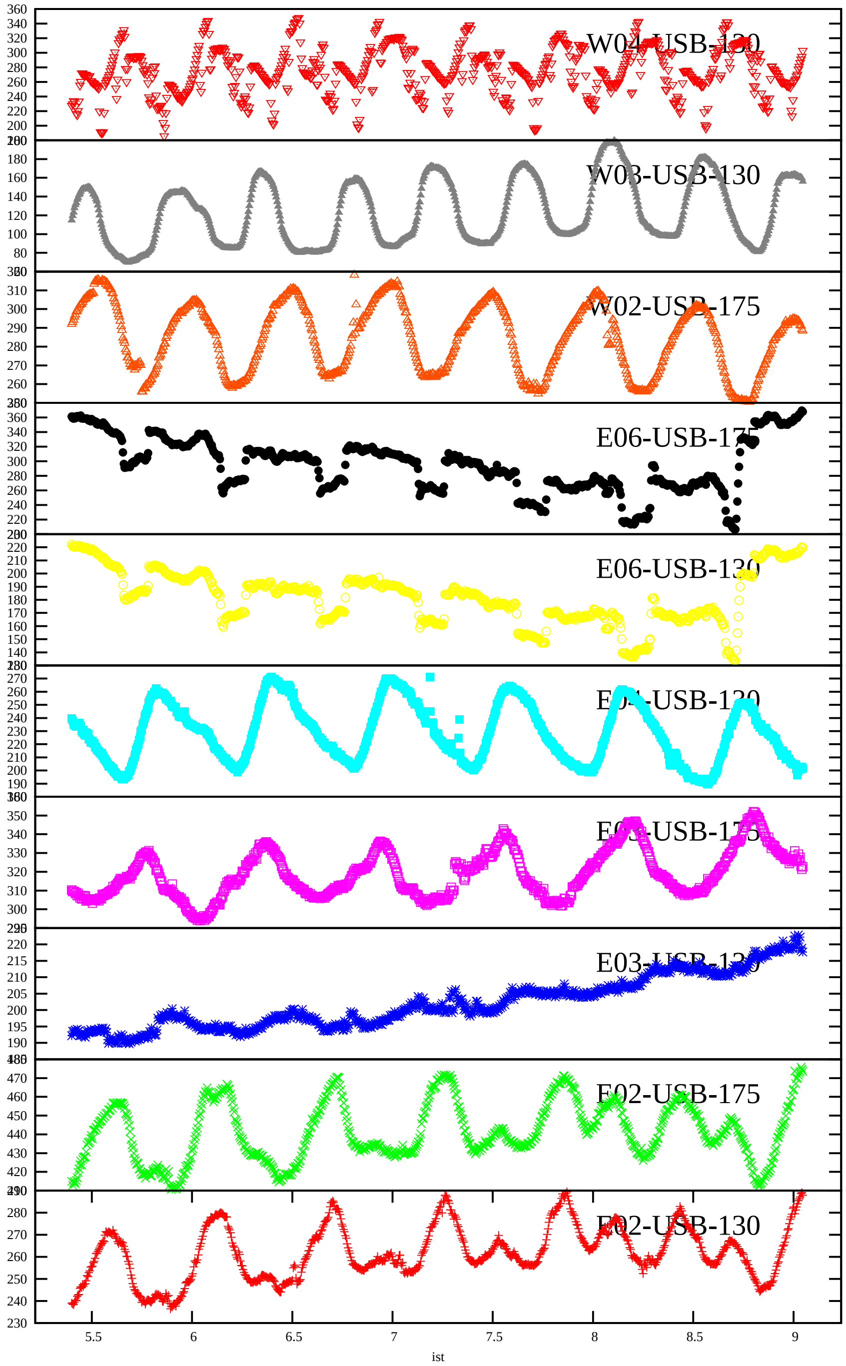

Figure 3: 610MHz : Unstable self power

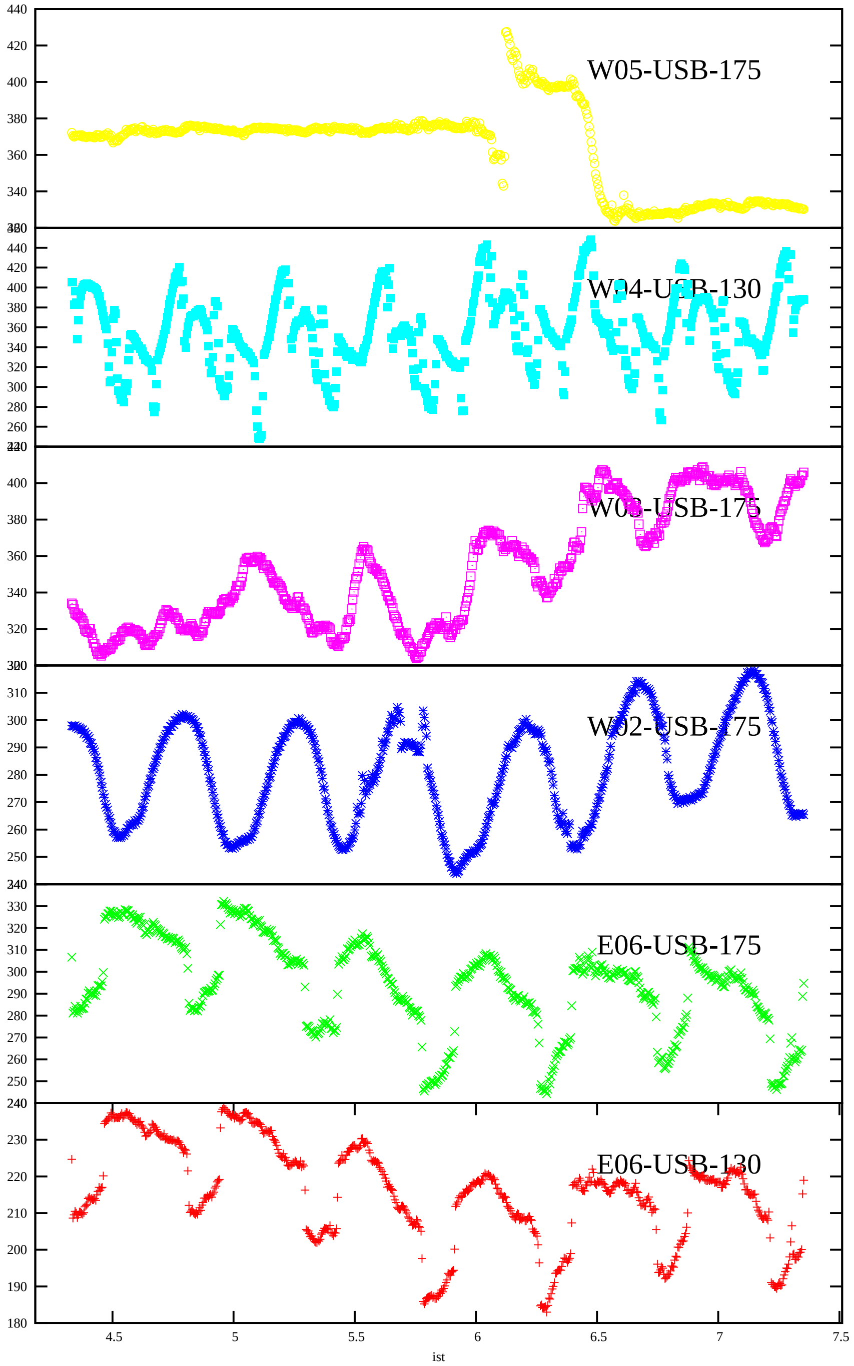

Figure 4: 610MHz : Unstable self power

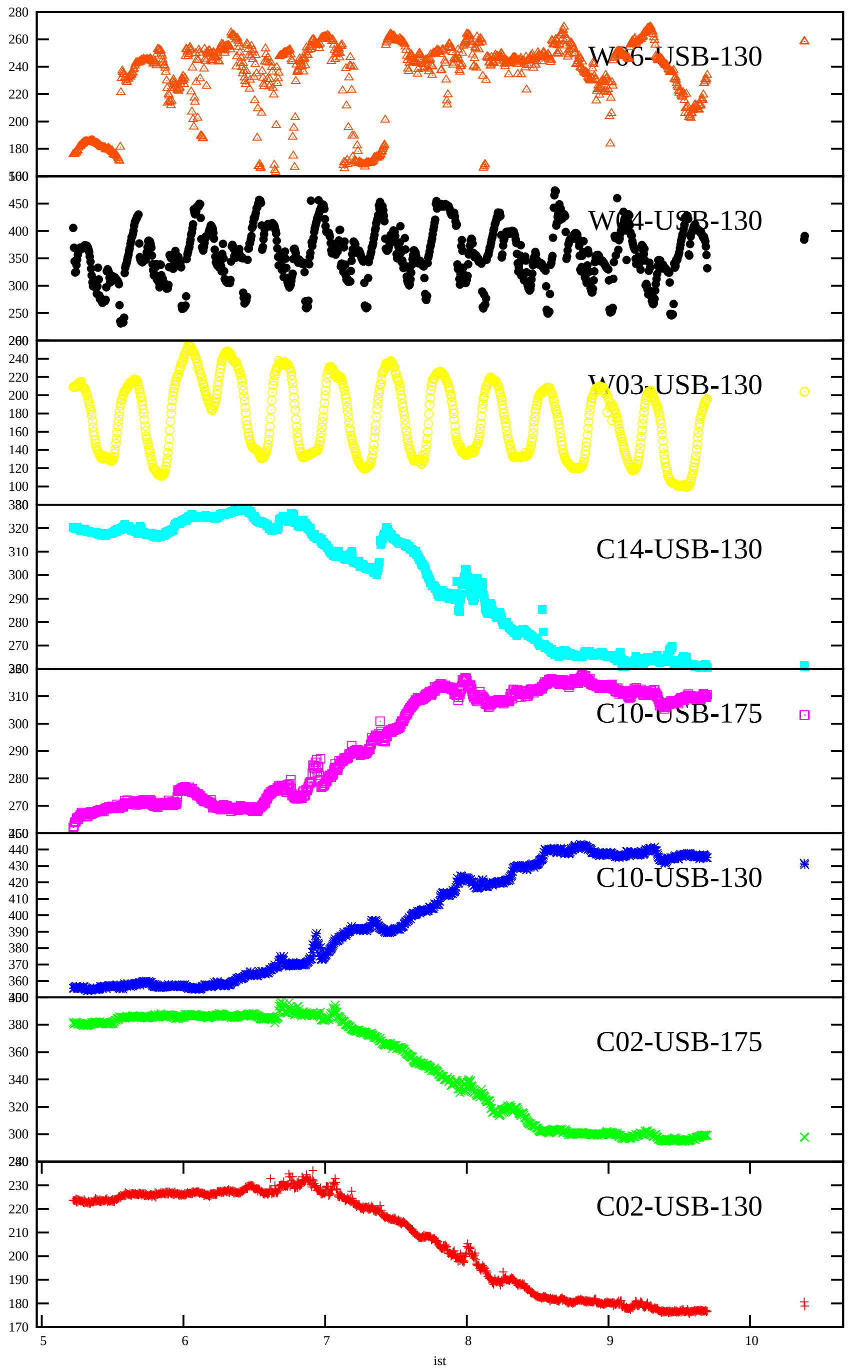

Figure 5: 610MHz : Unstable self power