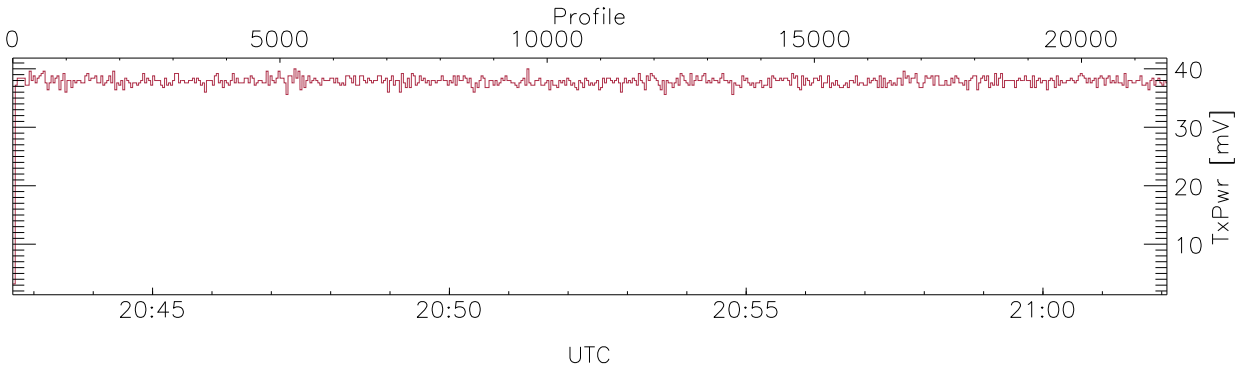
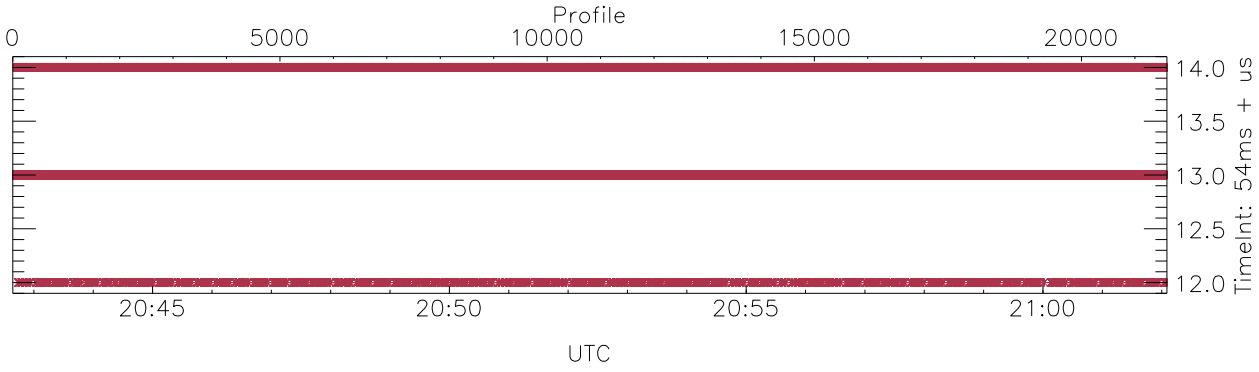
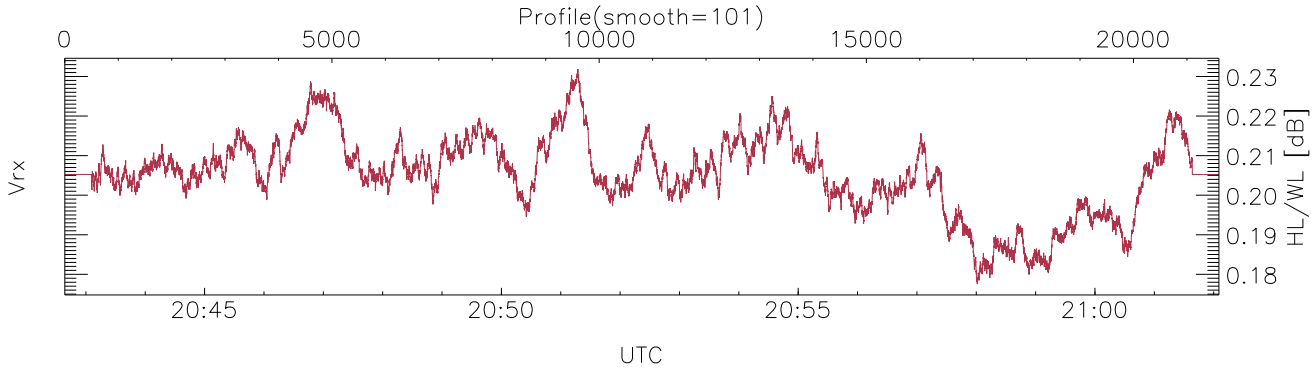
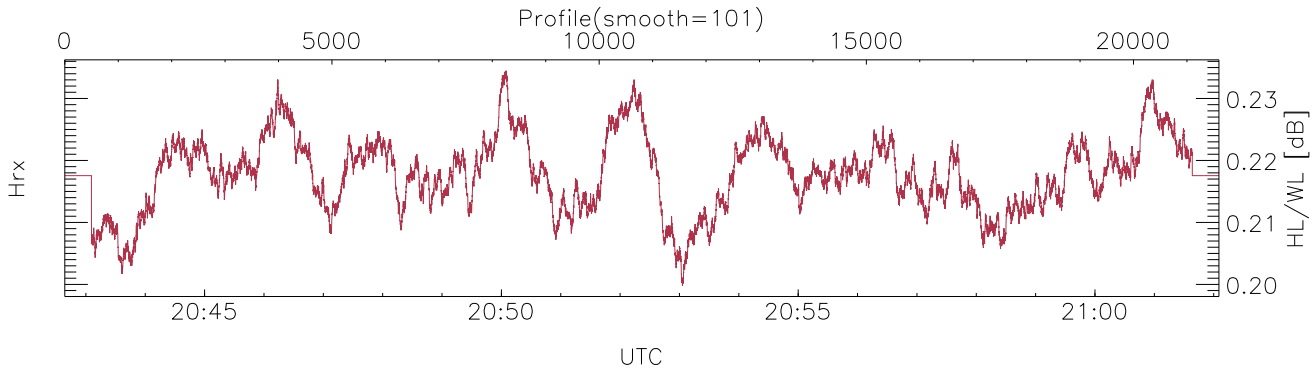


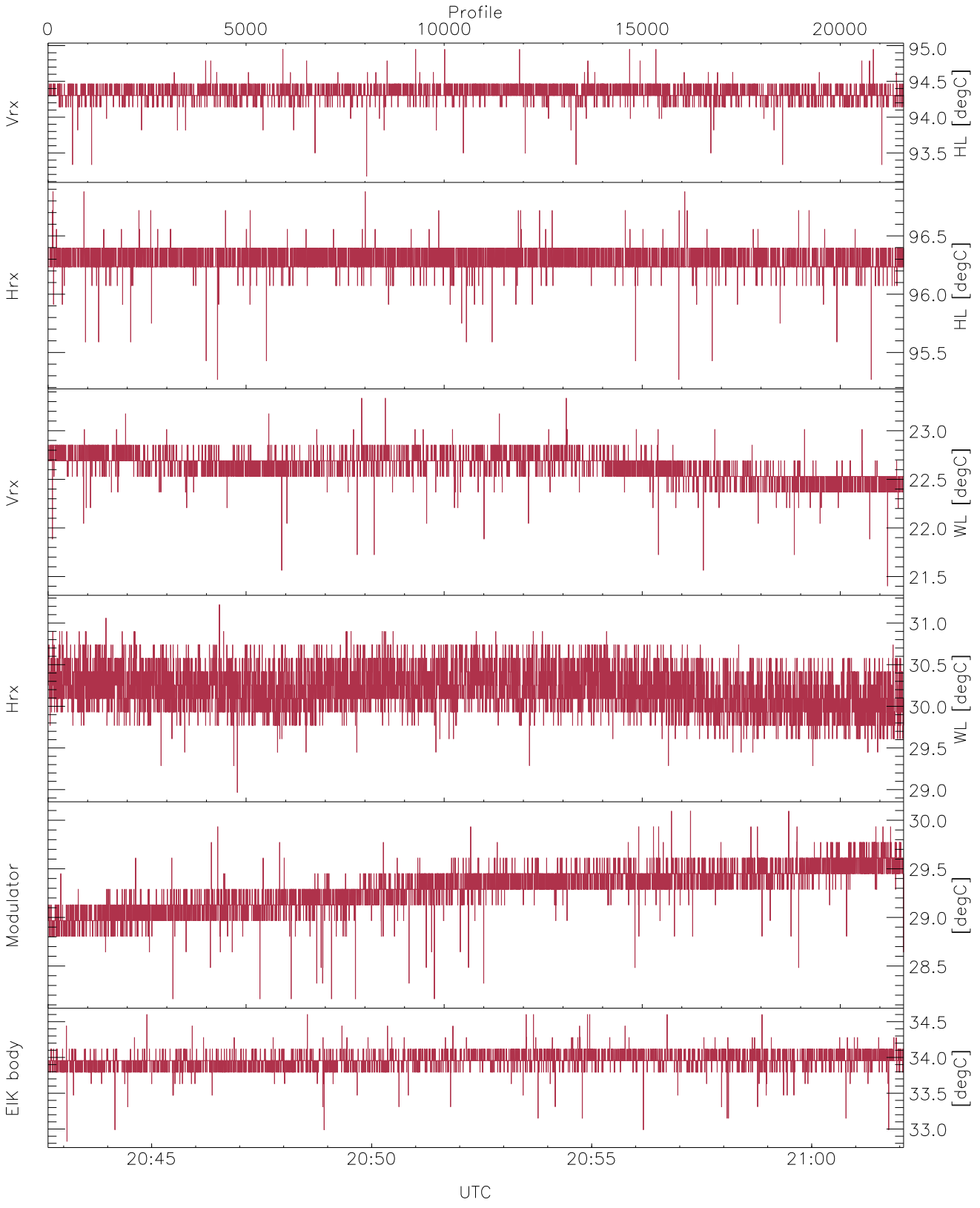



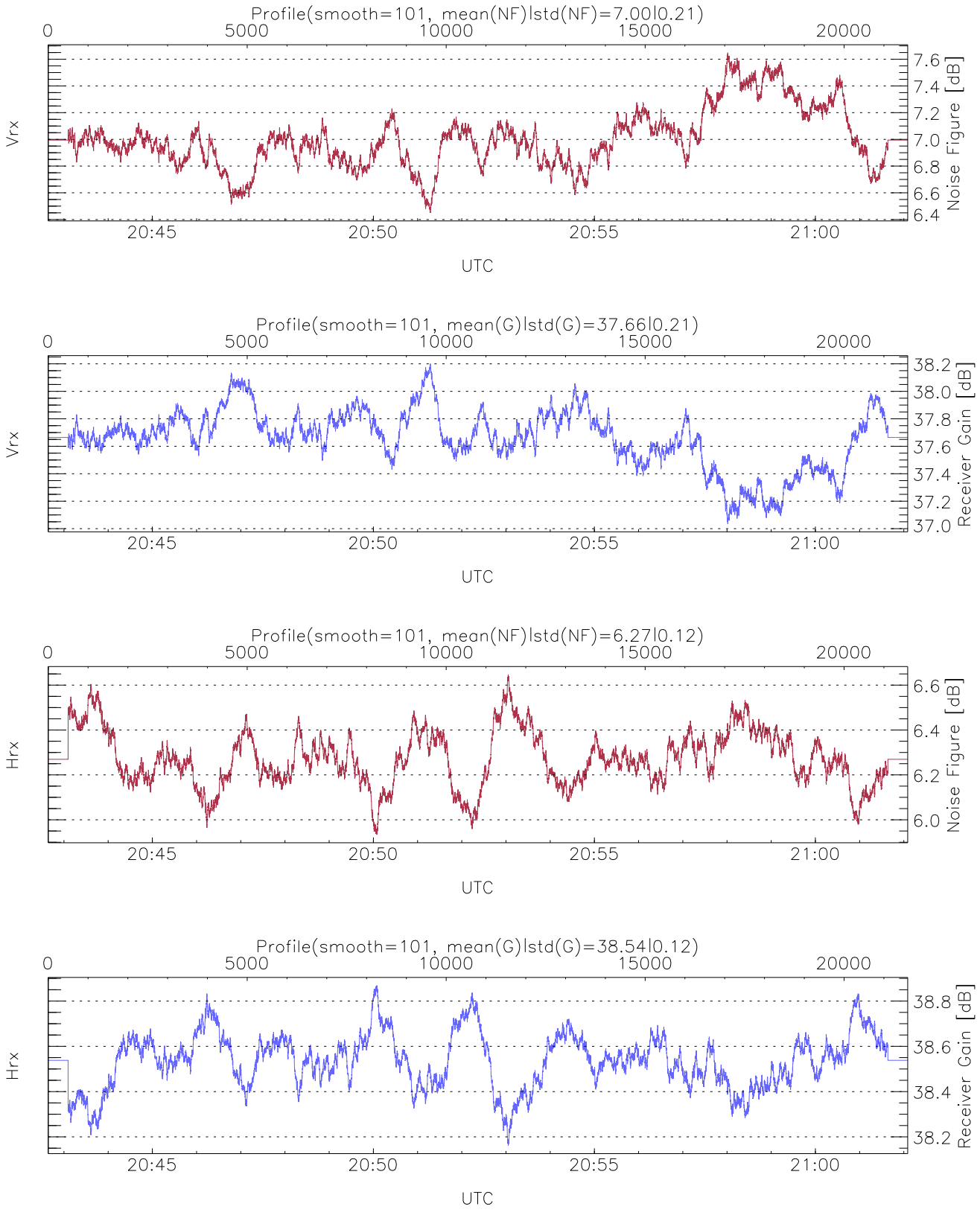

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 20:42:39-21:31:04, Dur: 2904.90s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 54.0,54.0,54.0,0.0 ms / 19,19,19
NumRec(r/t): 21600/53782, 0-21599/20:42:39-21:02:05
AcqTime: 54.0ms, Rate: 287KB/s, Averages: 180
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
Mirror(-9|0|1|2,3,9x = no mirror|sideup|error): 1



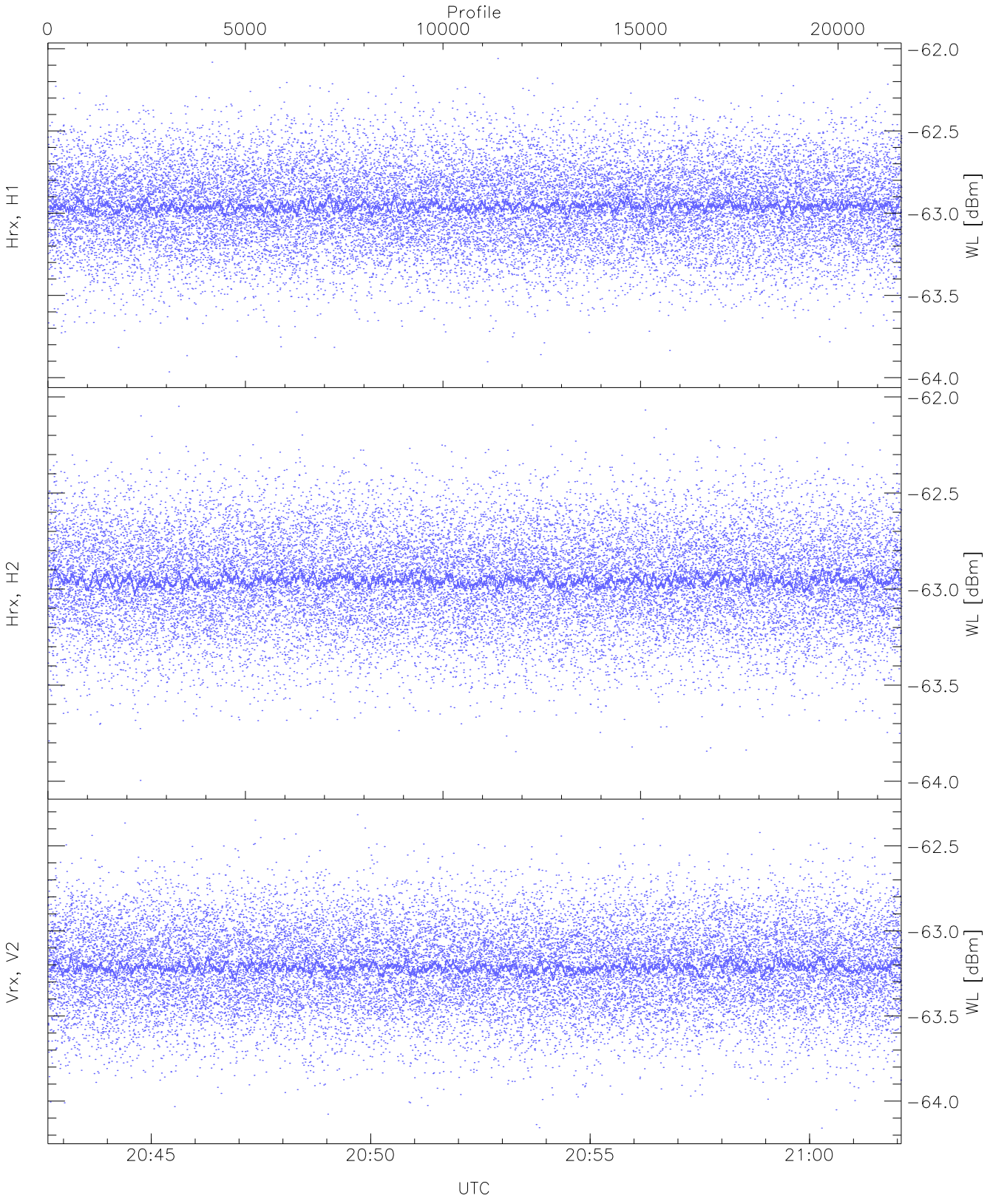

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,21,28,28,32
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,23,31,30,34
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty (9,9,9,9,9)



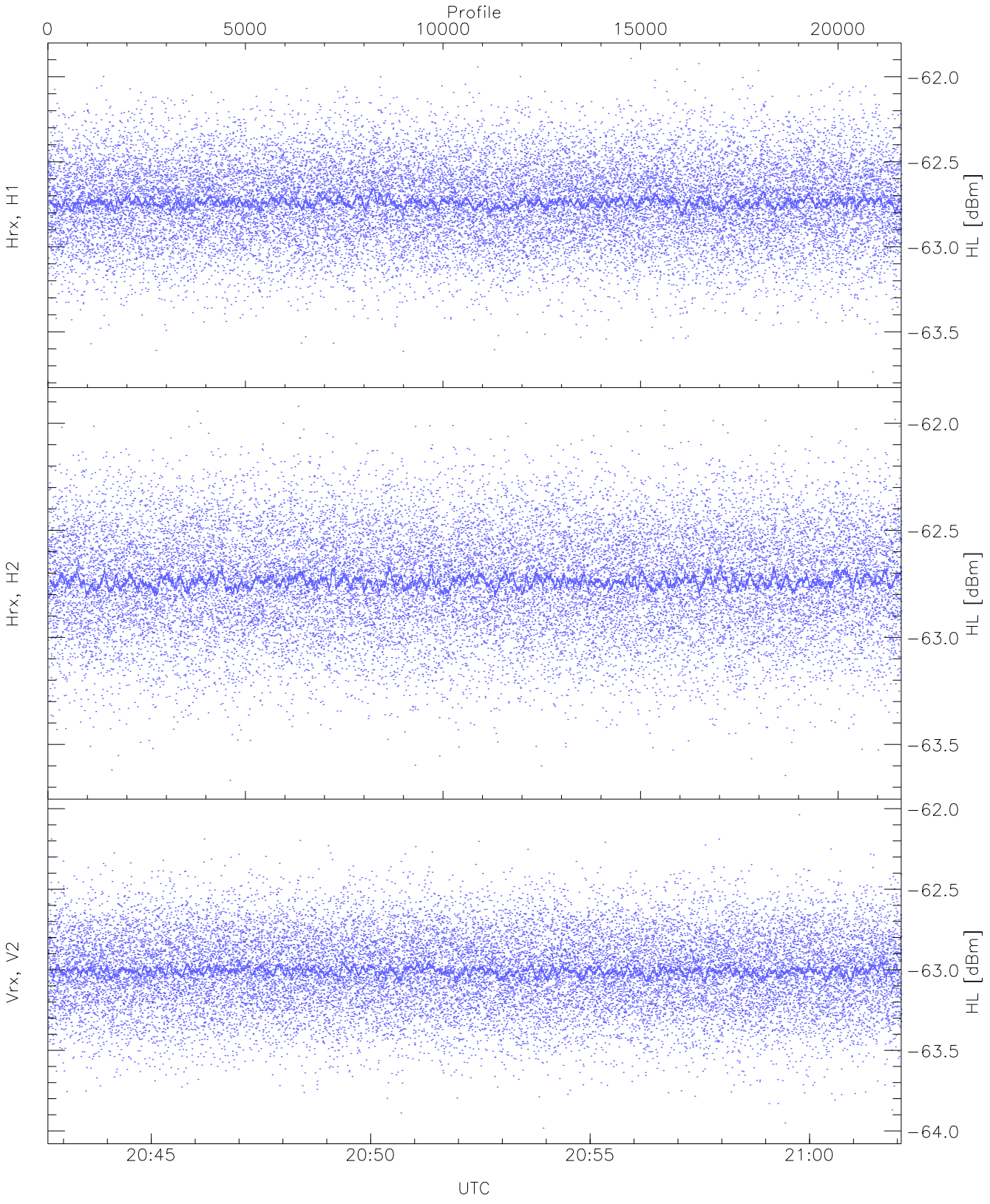

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 1 pixs, 1 gates, 1 profs, 1 prods



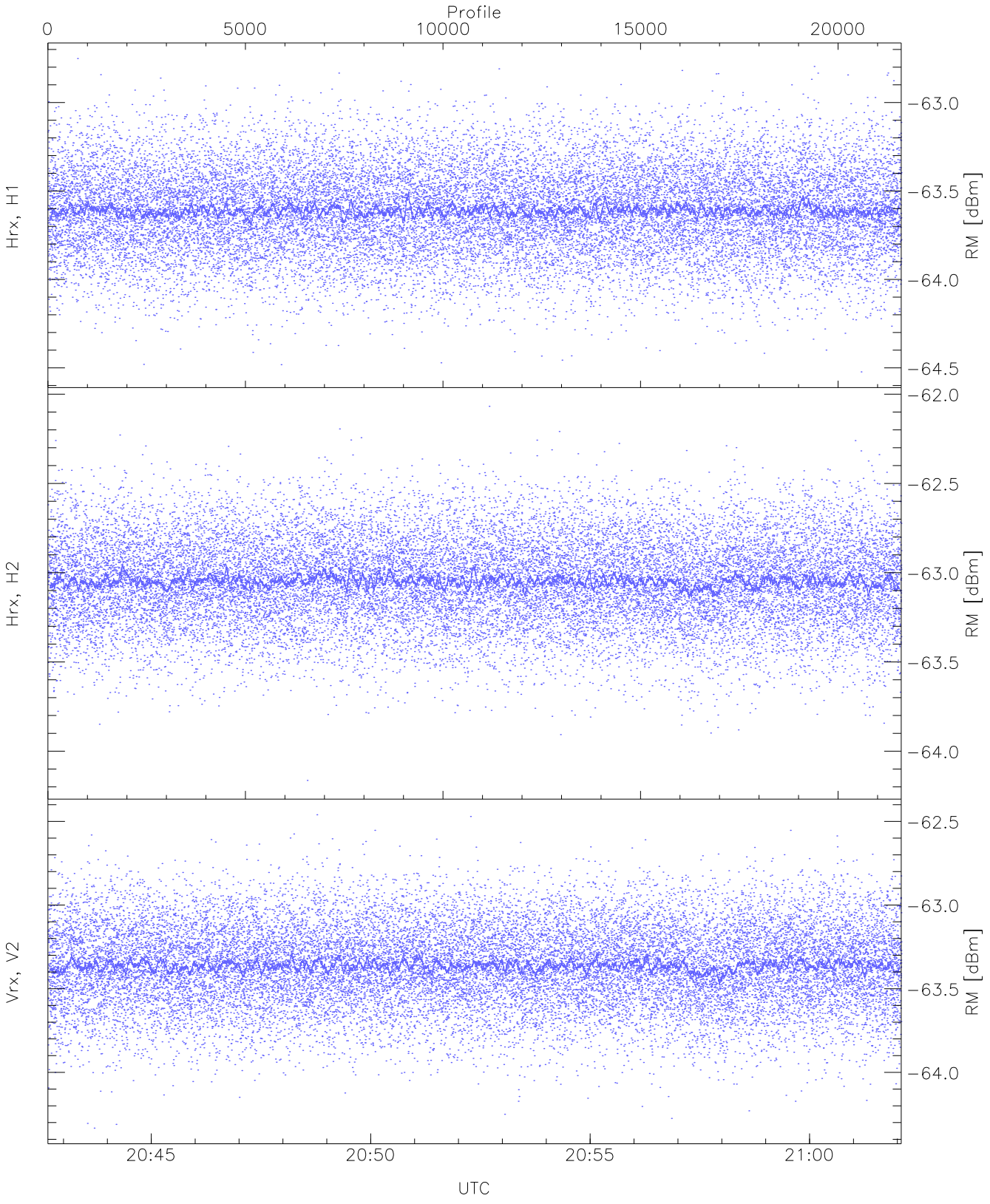

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -63.97 | -62.06 | -62.95 | -62.96 | -75.66 |
| Hrx, H2(WL [dBm]) | -64.00 | -62.05 | -62.95 | -62.95 | -75.68 |
| Vrx, V2(WL [dBm]) | -64.16 | -62.32 | -63.21 | -63.21 | -75.94 |



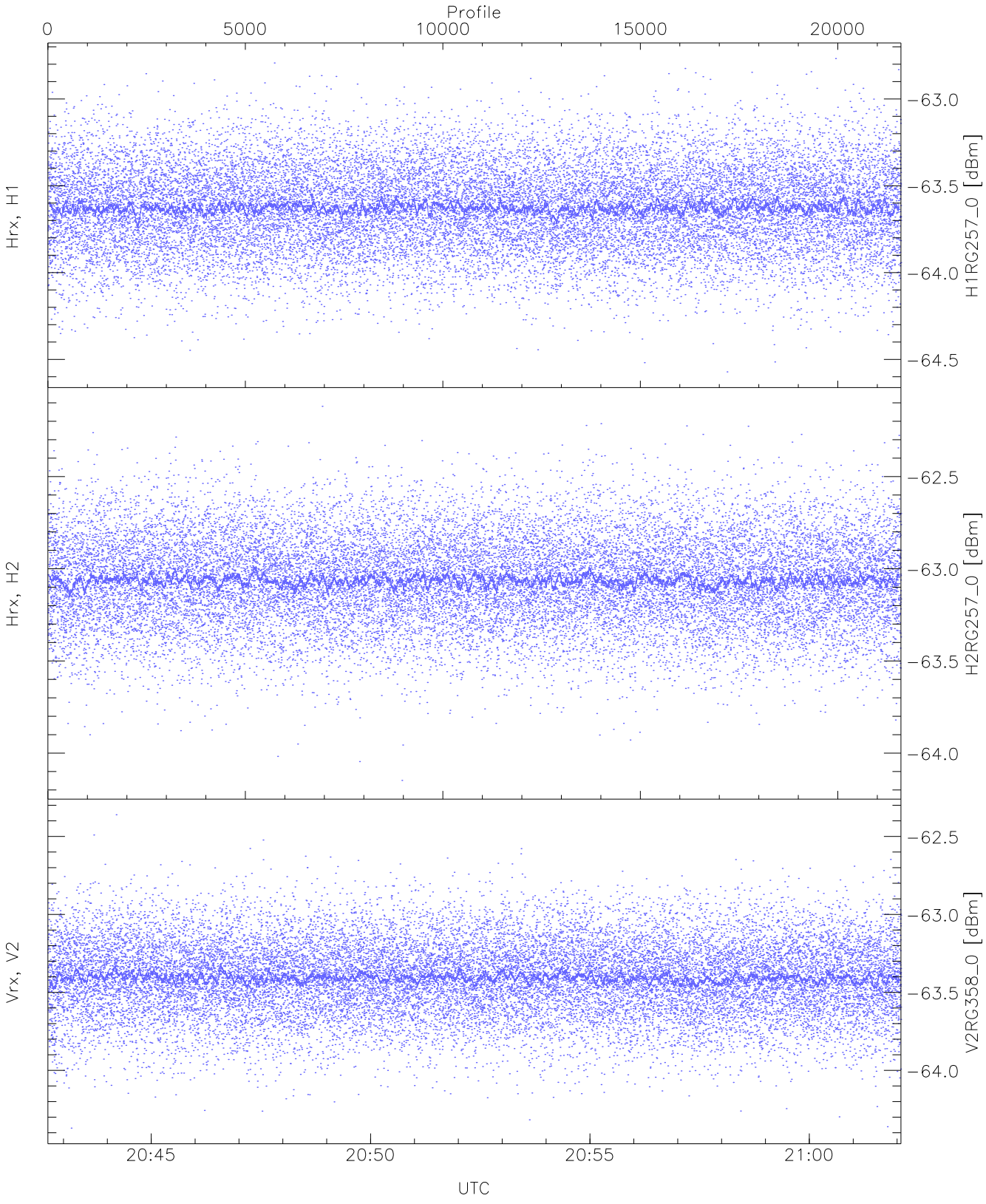

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -63.74 | -61.89 | -62.73 | -62.74 | -75.47 |
| Hrx, H2(HL [dBm]) | -63.67 | -61.92 | -62.73 | -62.74 | -75.46 |
| Vrx, V2(HL [dBm]) | -63.98 | -62.04 | -63.00 | -63.01 | -75.72 |



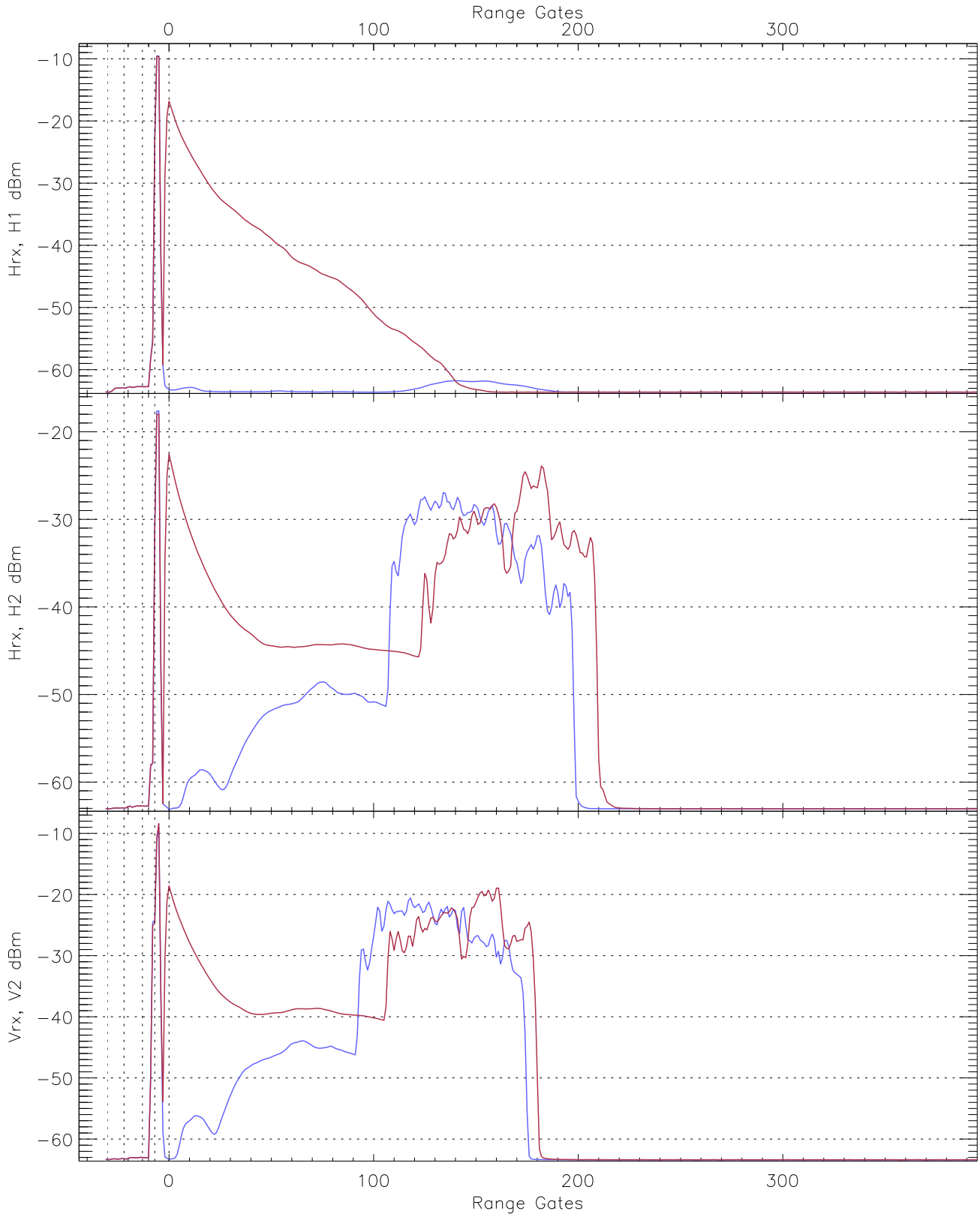

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -64.52 | -62.75 | -63.61 | -63.61 | -76.33 |
| Hrx, H2(RM [dBm]) | -64.16 | -62.07 | -63.04 | -63.05 | -75.73 |
| Vrx, V2(RM [dBm]) | -64.33 | -62.46 | -63.36 | -63.36 | -76.06 |

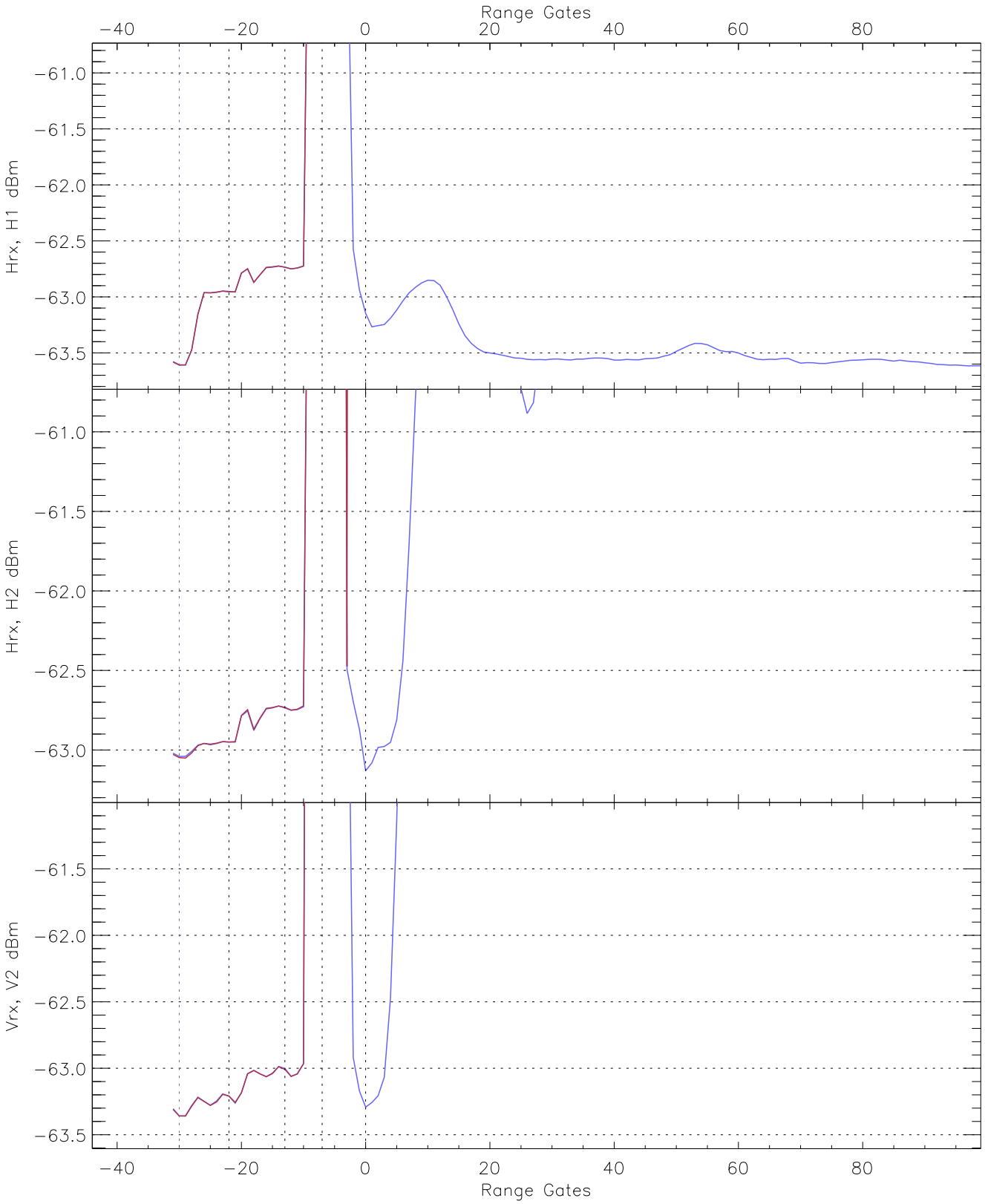



WCR2 CPP "Best" estimate Receivers Noise Power

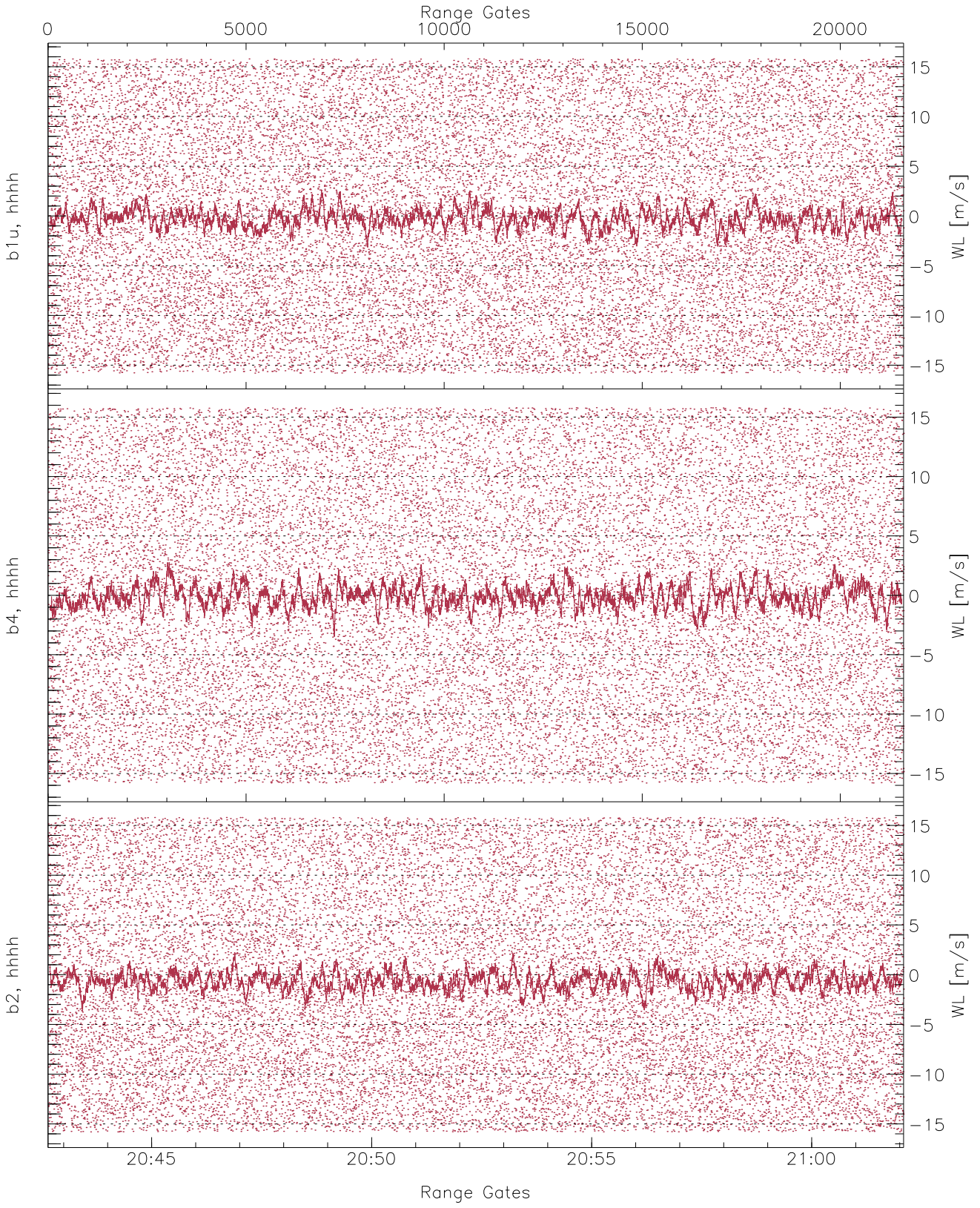
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG257_0 [dBm] | -64.57 | -62.77 | -63.62 | -63.63 | -76.33 |
| H2RG257_0 [dBm] | -64.15 | -62.12 | -63.06 | -63.07 | -75.78 |
| V2RG358_0 [dBm] | -64.37 | -62.36 | -63.40 | -63.40 | -76.12 |



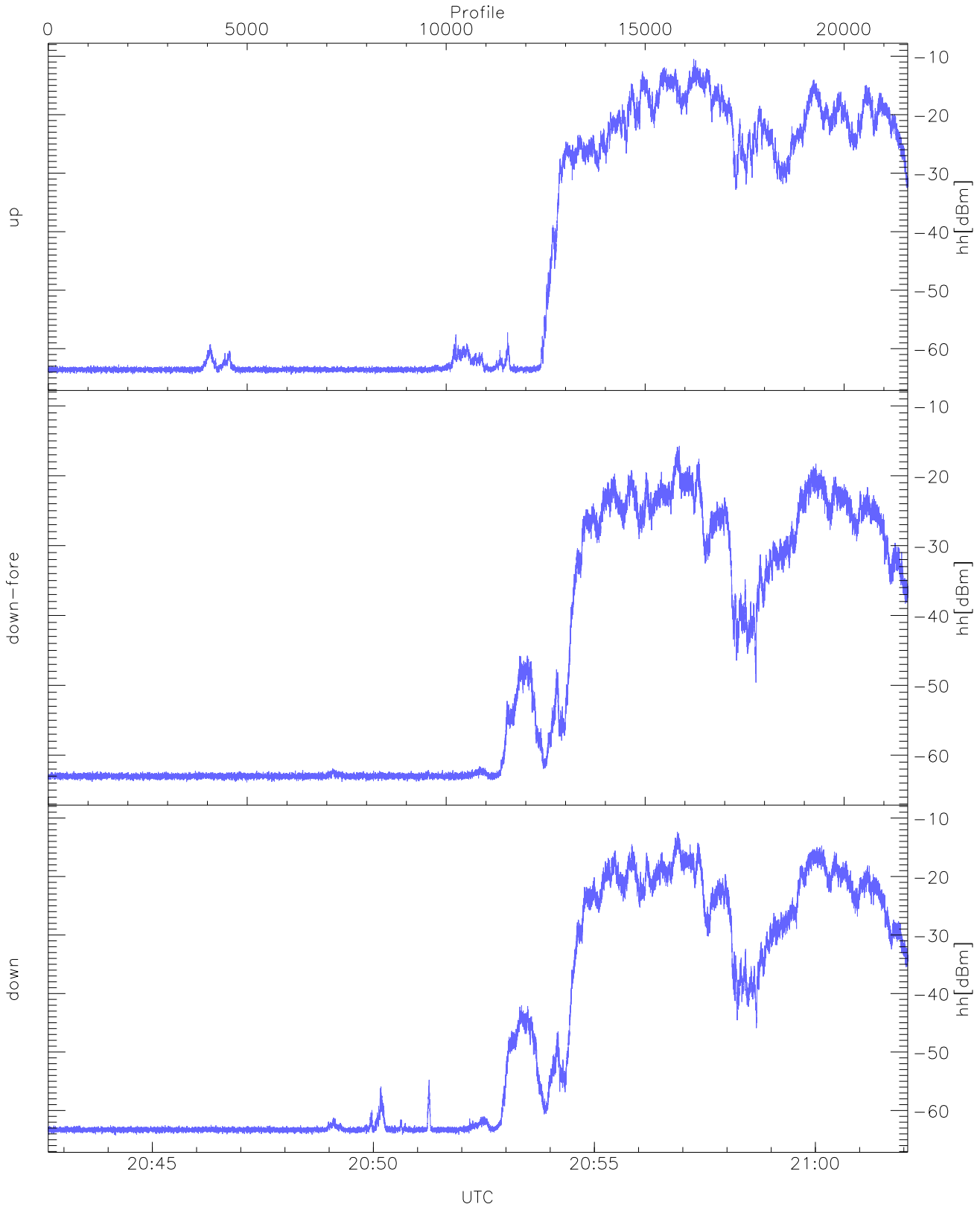

WCR2 CPP Averaged Received power for all recorded gates
blue: 204239-205222, 10801 profiles averaged
red: 205222-210205, 10800 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 204239-205222, 10801 profiles averaged
red: 205222-210205, 10800 profiles averaged

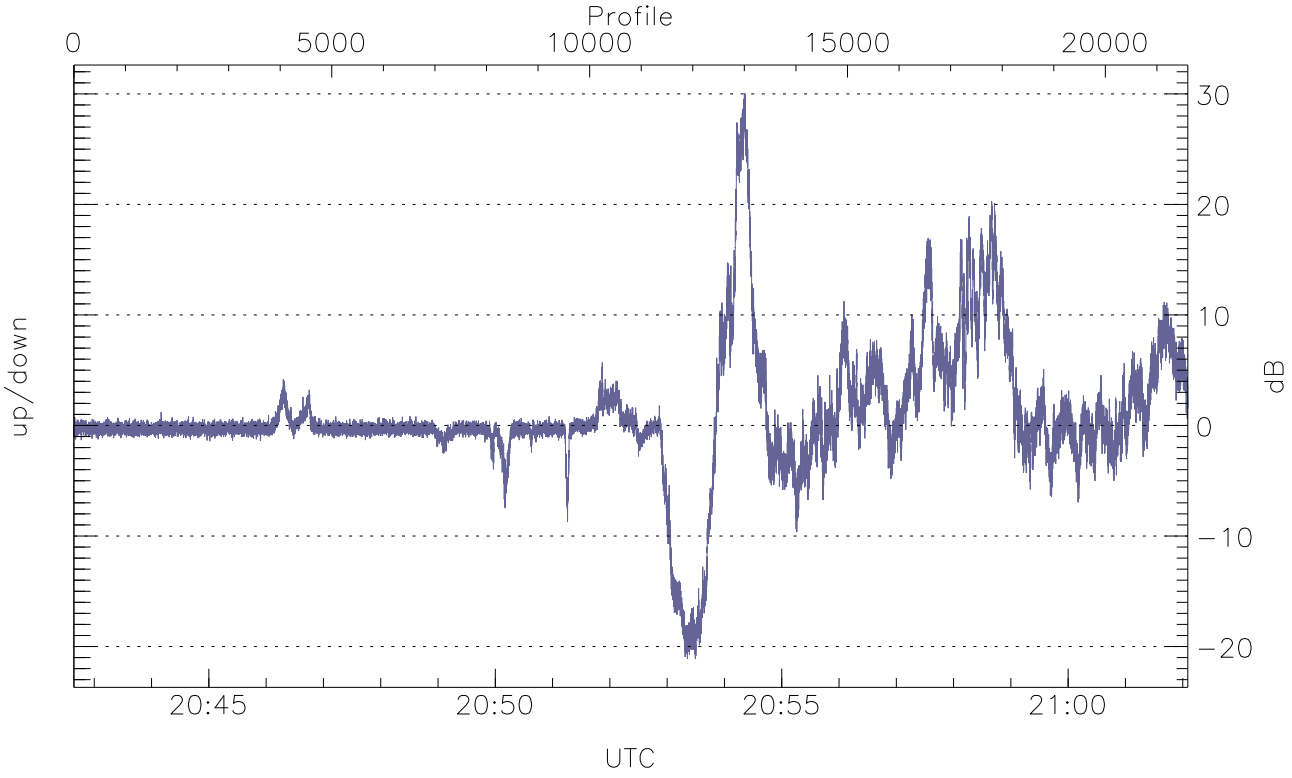


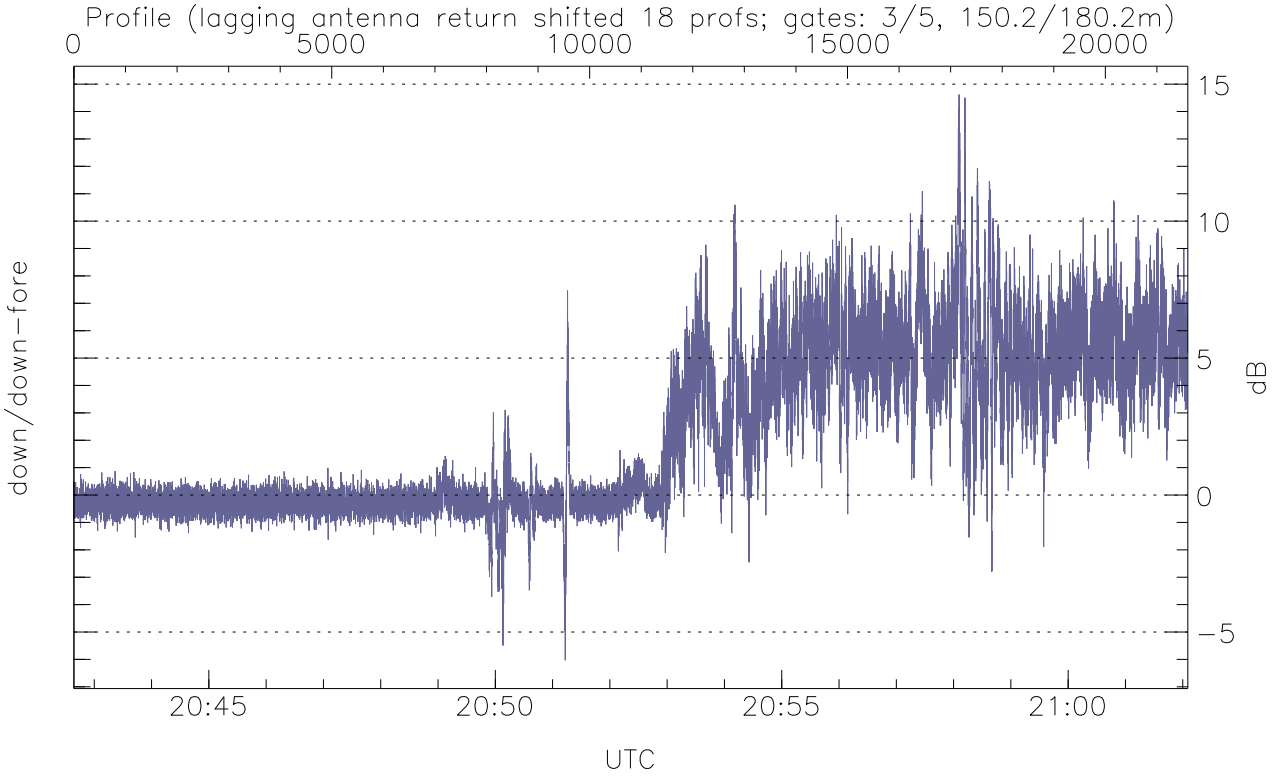

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

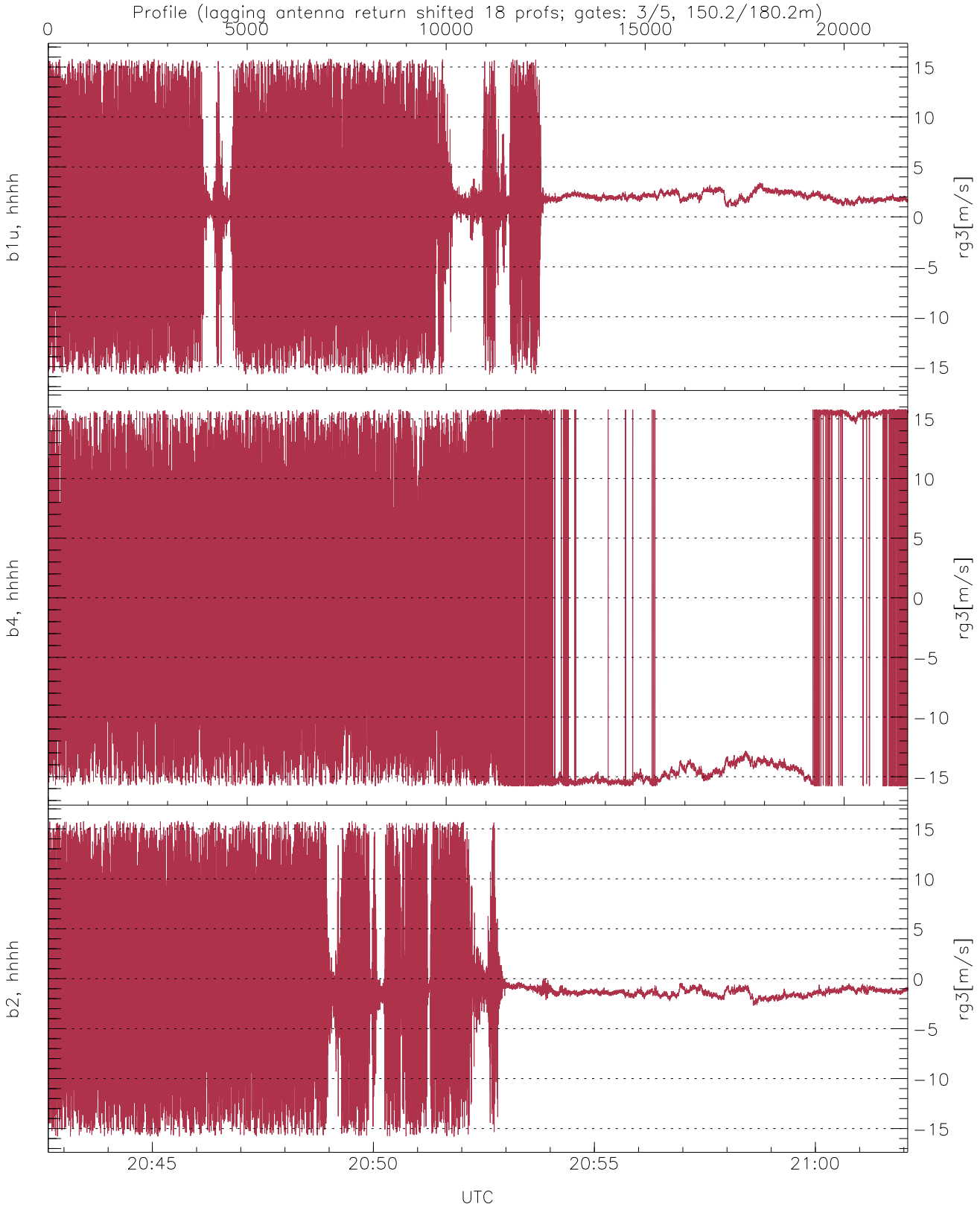
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -64.45 | -10.49 | -22.87 |
| down-fore(hh[dBm]) | -63.86 | -15.73 | -28.63 |
| down(hh[dBm]) | -64.23 | -12.38 | -25.00 |




WCR2 Beam pairs Received Power Ratio(s); RangeGate: 3 (150 m)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -21.13 | 30.05 | 0.91 |
| down/down-fore(dB) | -6.03 | 14.62 | 2.22 |




WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg3[m/s]) | -15.79 | 15.80 | 0.88 | 6.28 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | -3.54 | 11.93 |
| b2, hhhh(rg3[m/s]) | -15.80 | 15.79 | -0.92 | 6.06 |