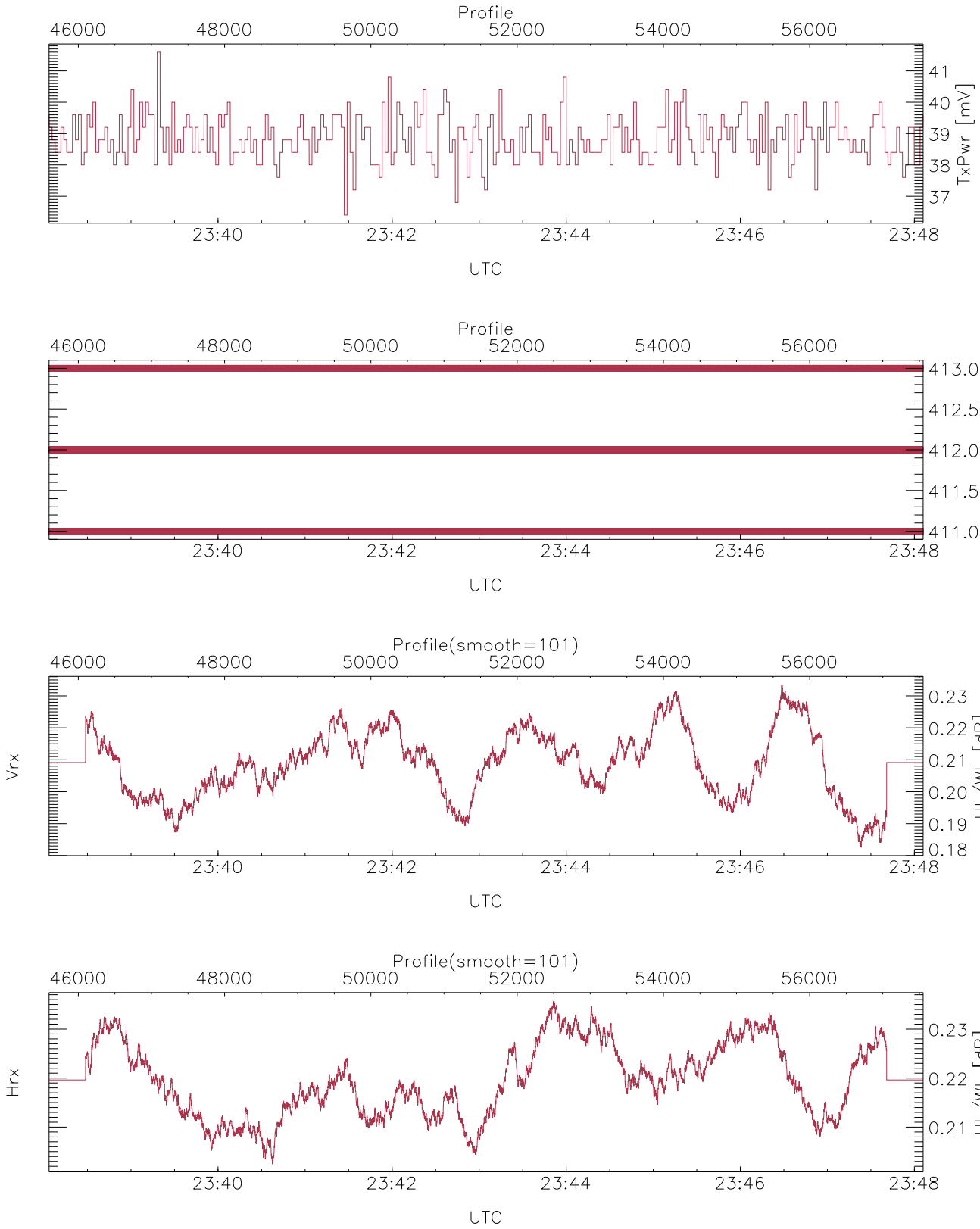
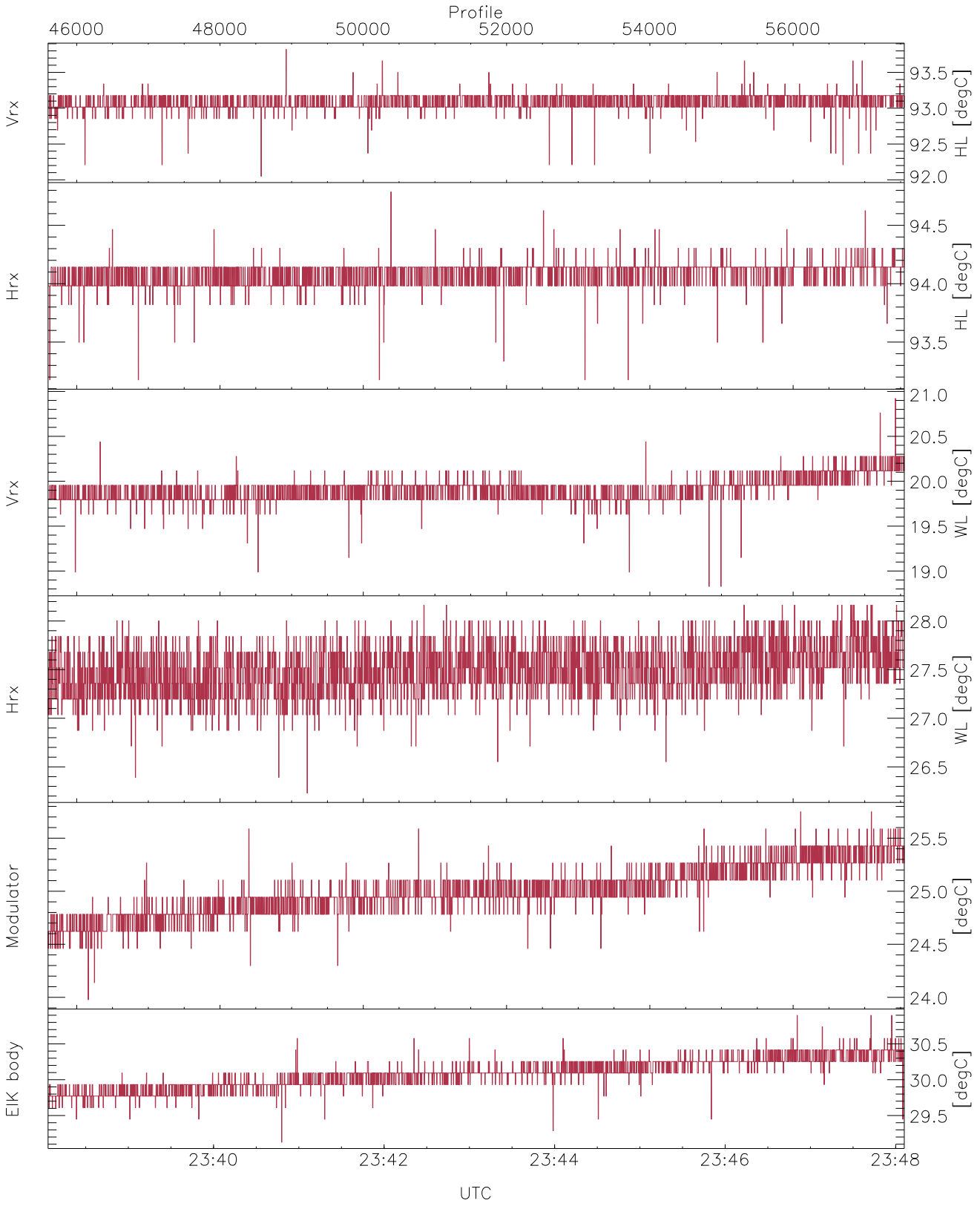


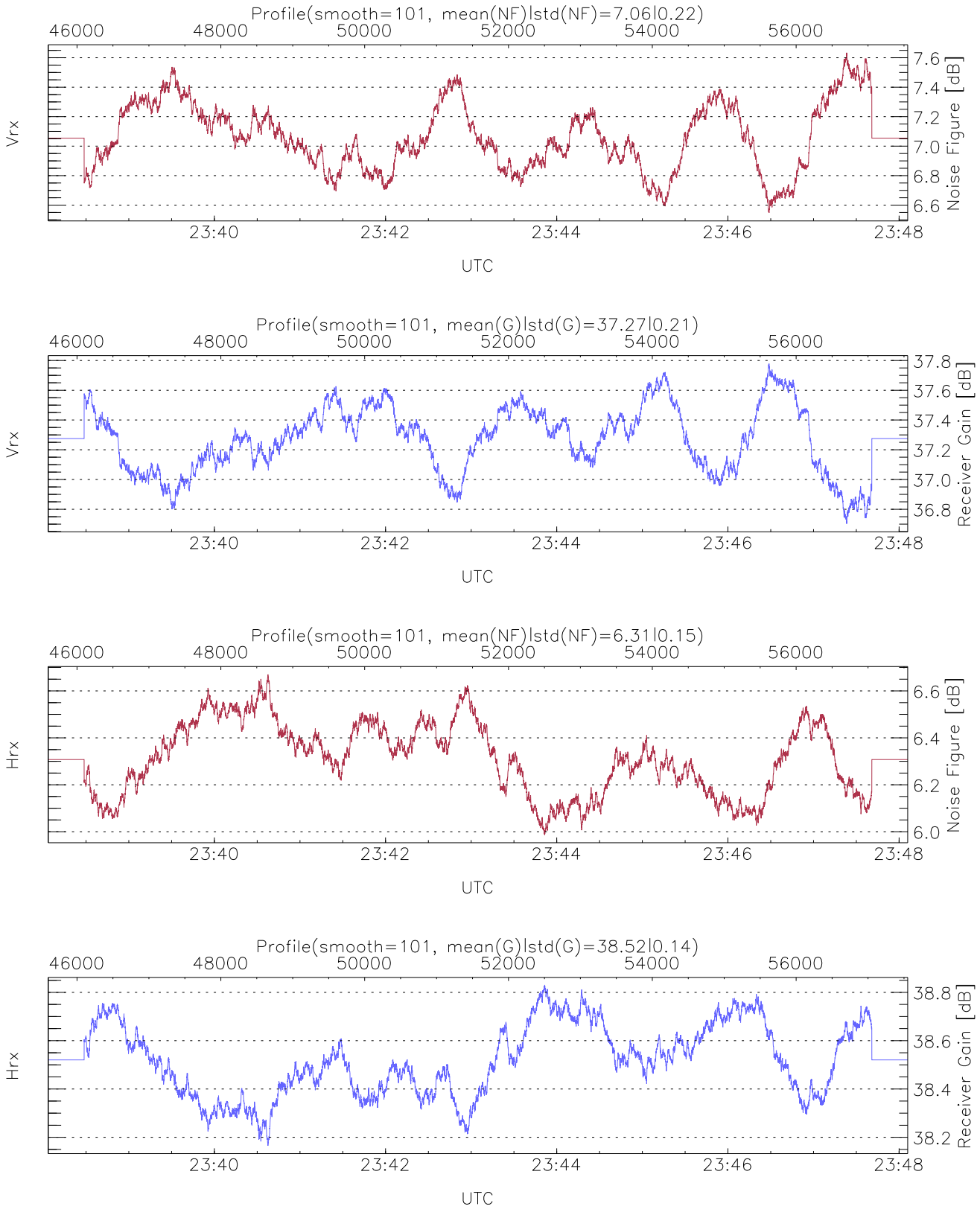

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:59:45-23:48:06, Dur: 2901.35s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
NumRec(r/t): 11953/57553, 45600-57552/23:38:04-23:48:06
AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
Pulse: 200ns, IFF: 5.0MHz, 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): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1



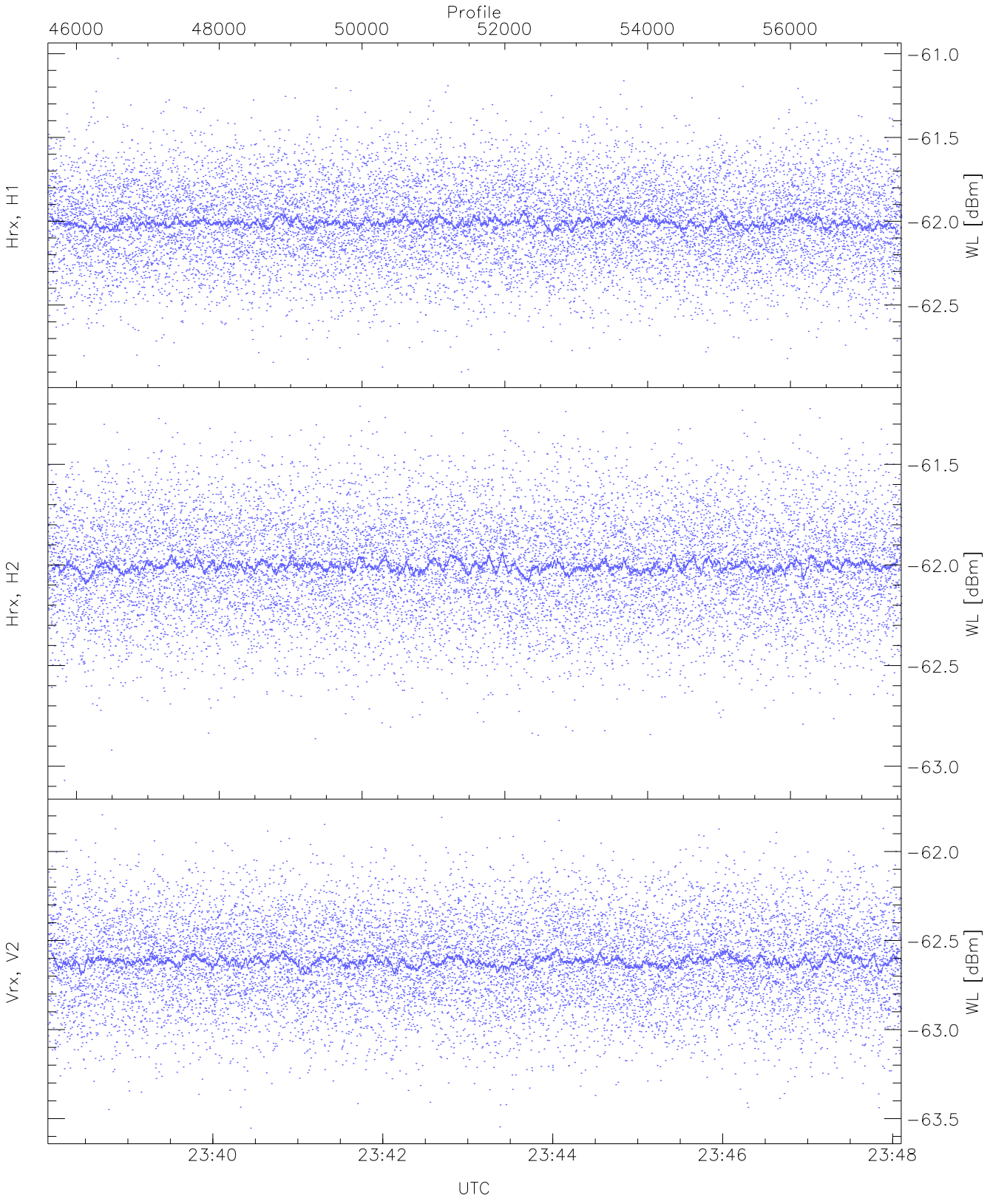

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,18,26,23,29
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,20,28,25,30
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (5,5,5,5,5,10)



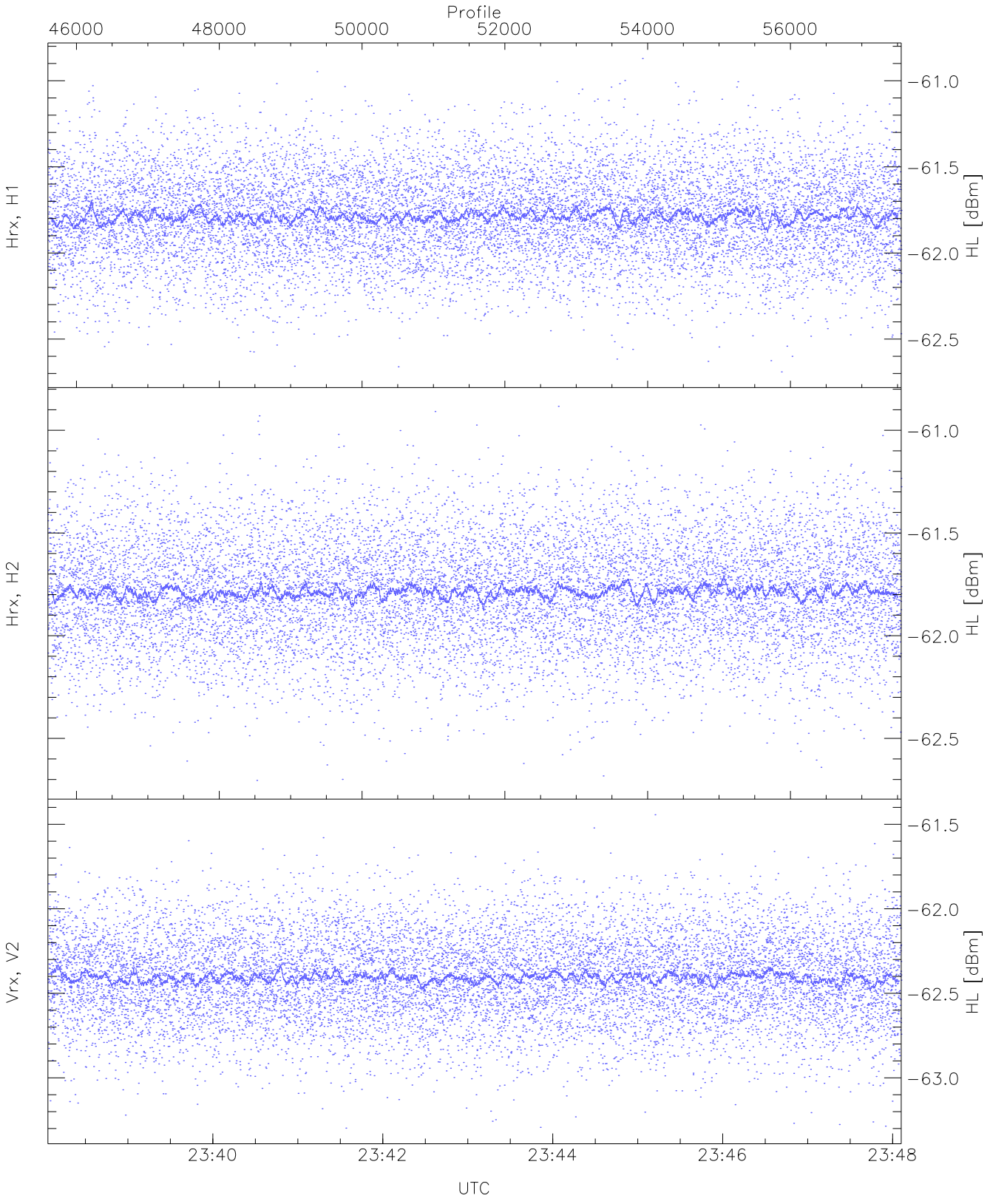

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 437 pixs, 18 gates, 437 profs, 1 prods



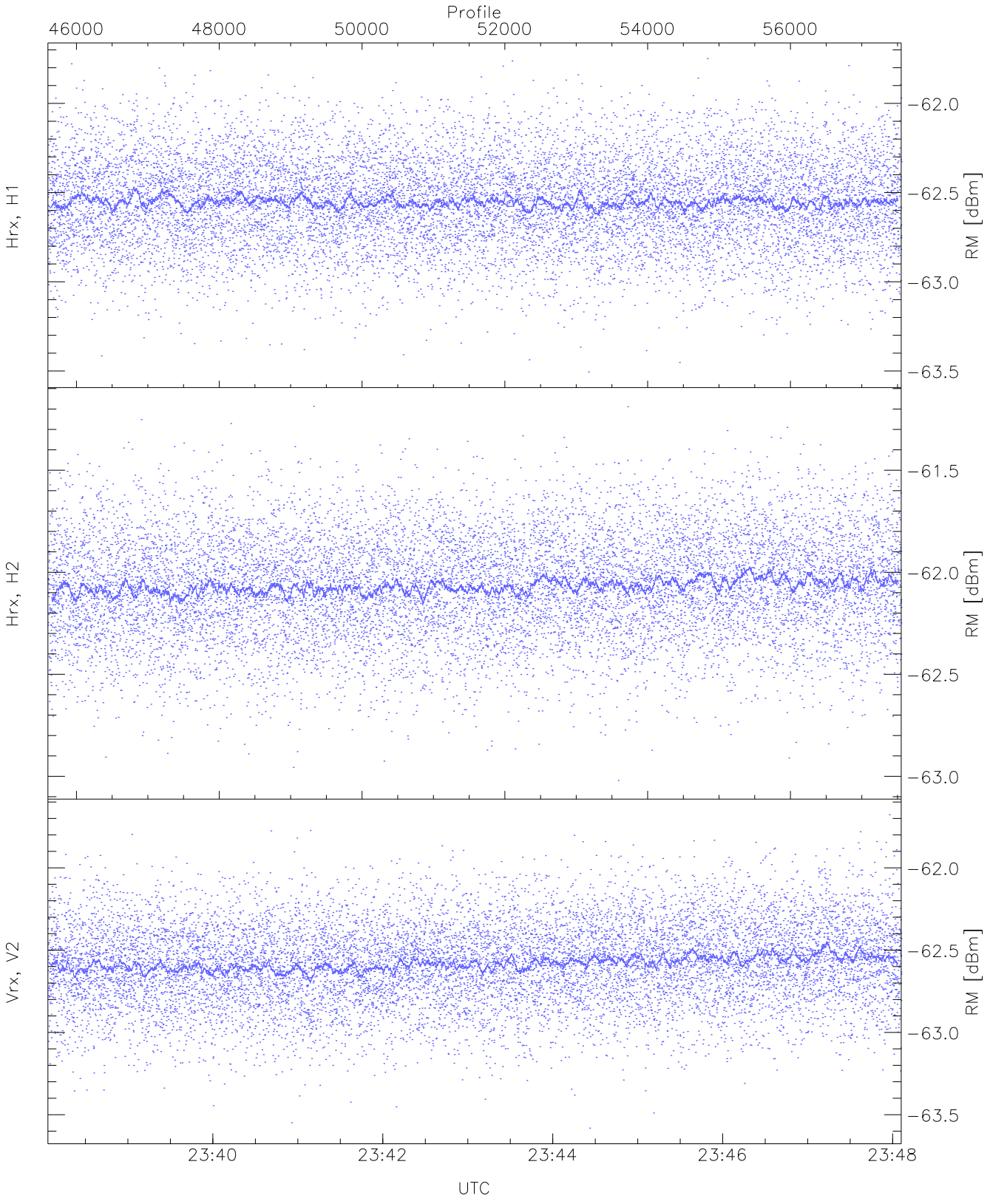

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -62.90 | -61.03 | -62.00 | -62.01 | -74.56 |
| Hrx, H2(WL [dBm]) | -63.07 | -61.21 | -62.00 | -62.00 | -74.58 |
| Vrx, V2(WL [dBm]) | -63.55 | -61.79 | -62.61 | -62.61 | -75.22 |



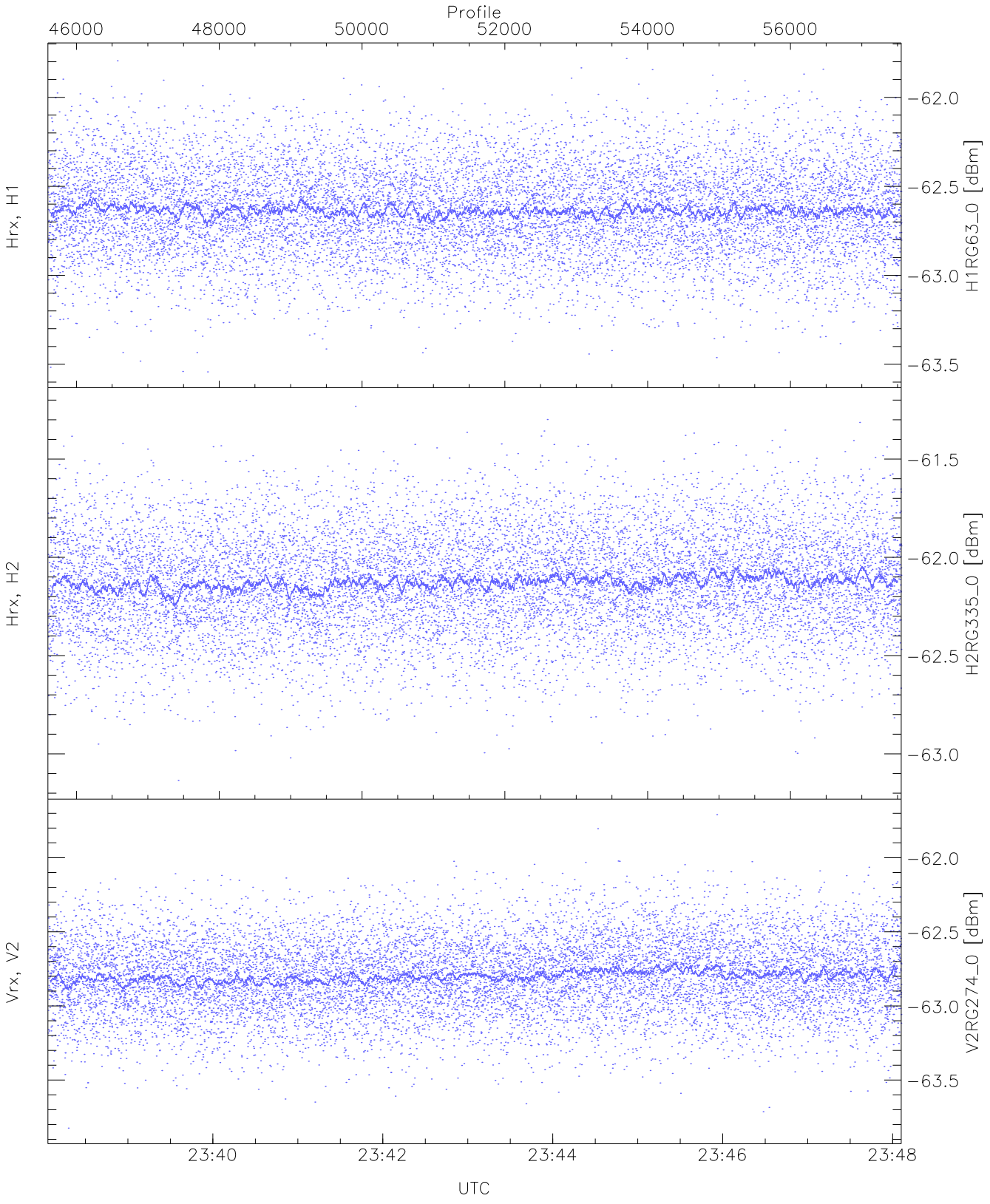

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -62.69 | -60.87 | -61.78 | -61.79 | -74.35 |
| Hrx, H2(HL [dBm]) | -62.70 | -60.88 | -61.78 | -61.79 | -74.36 |
| Vrx, V2(HL [dBm]) | -63.30 | -61.44 | -62.40 | -62.41 | -74.96 |



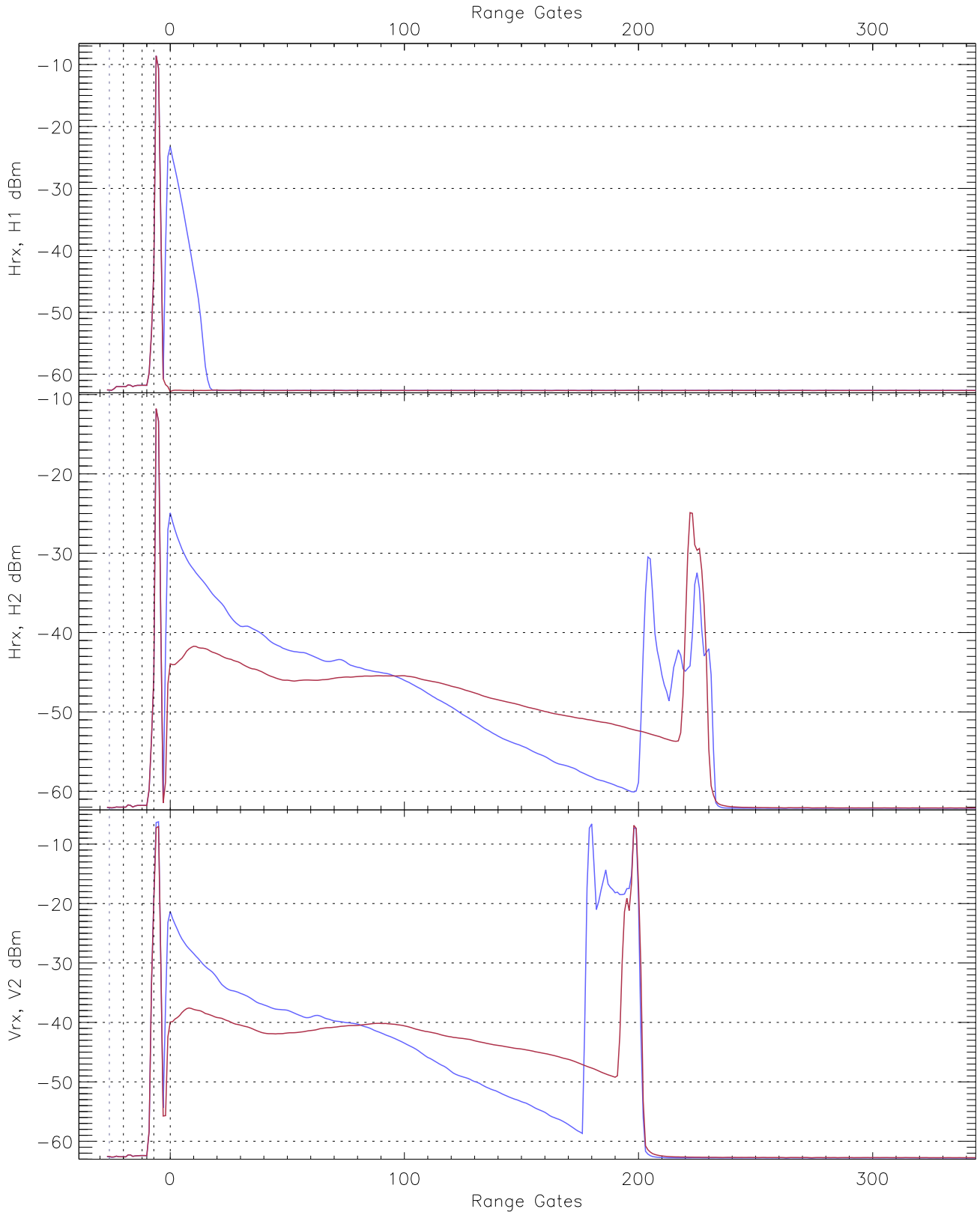

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -63.51 | -61.75 | -62.55 | -62.55 | -75.13 |
| Hrx, H2(RM [dBm]) | -63.02 | -61.19 | -62.06 | -62.07 | -74.61 |
| Vrx, V2(RM [dBm]) | -63.58 | -61.68 | -62.58 | -62.58 | -75.14 |

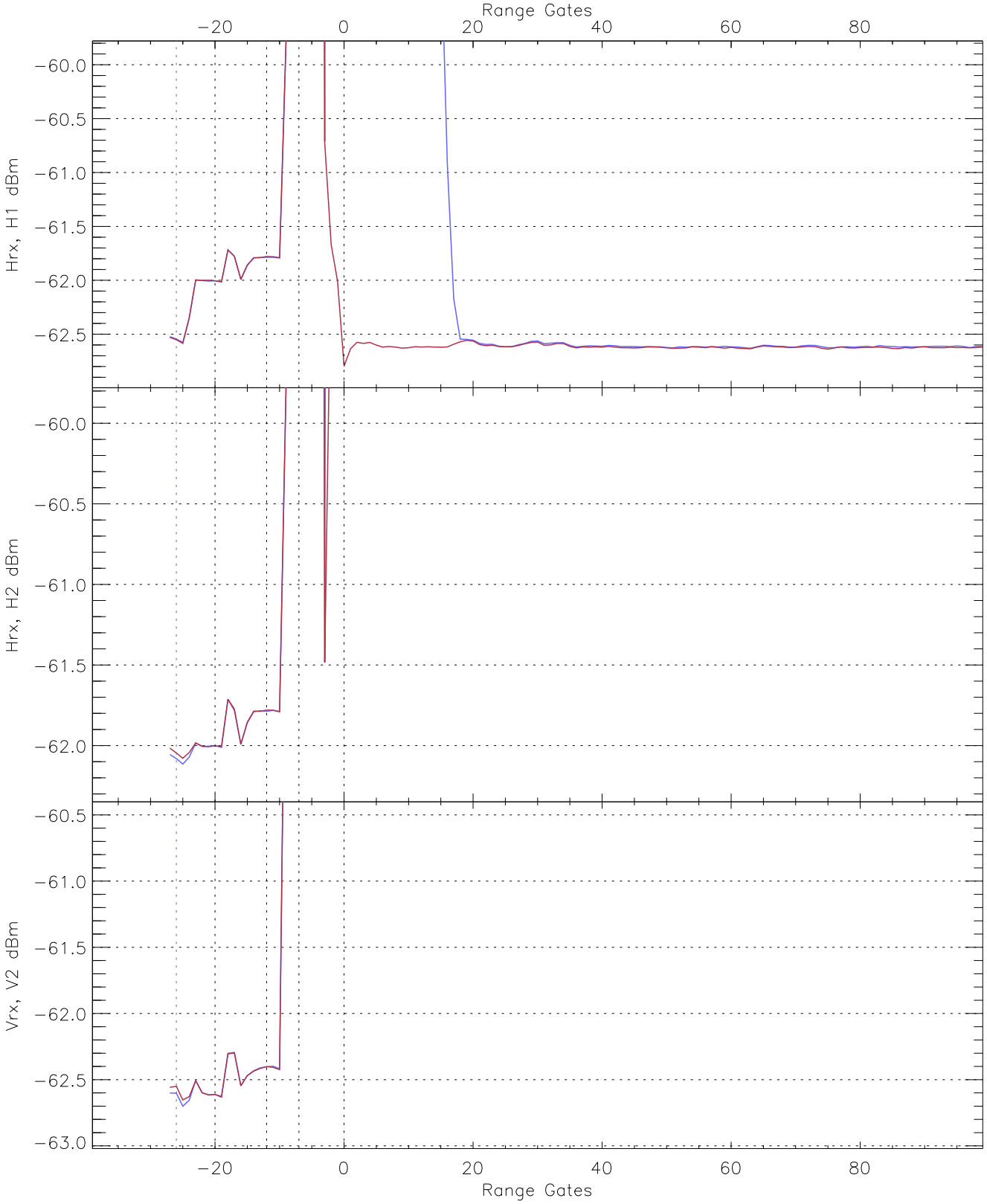



WCR2 CPP "Best" estimate Receivers Noise Power

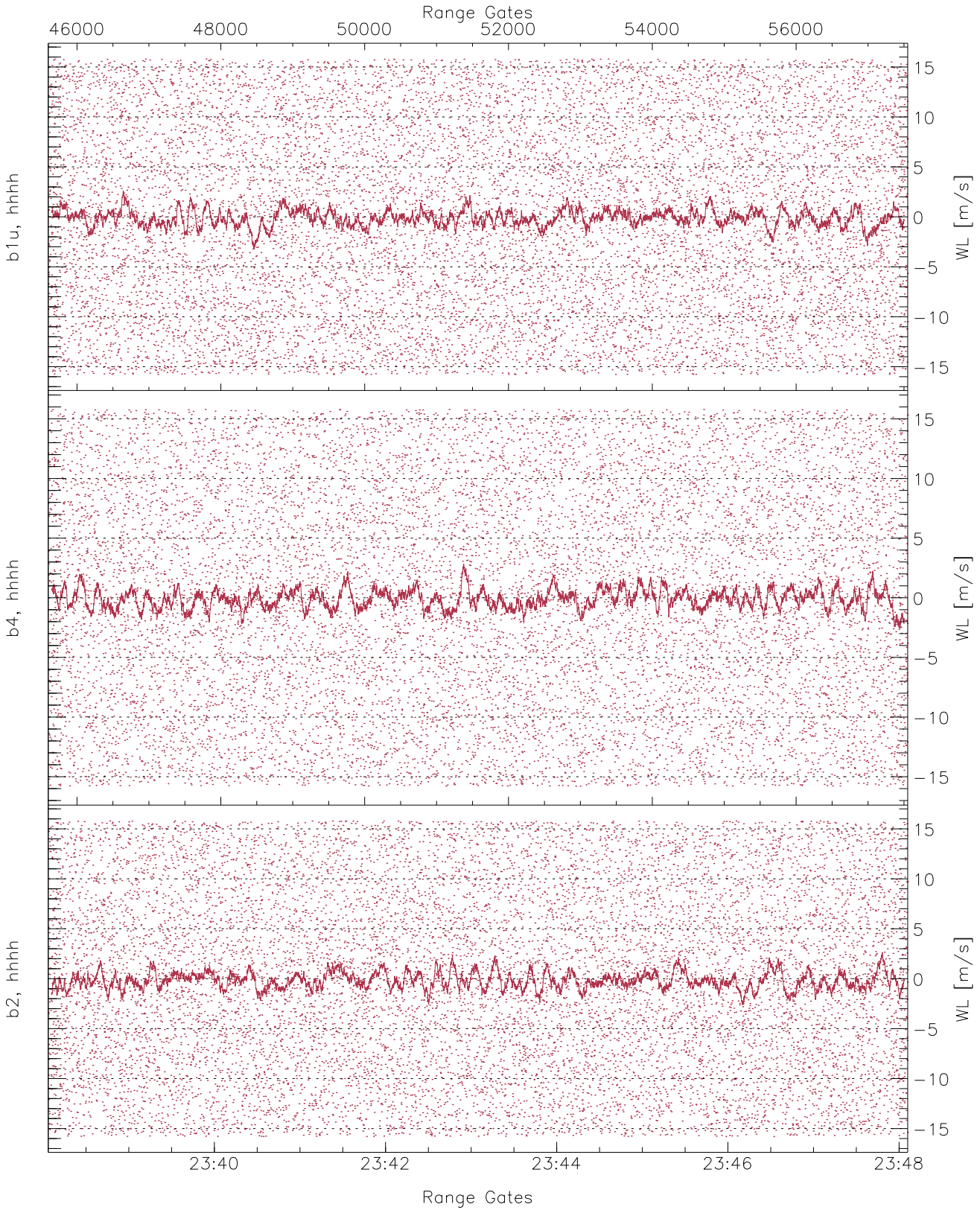
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG63_0 [dBm] | -63.54 | -61.78 | -62.63 | -62.64 | -75.19 |
| H2RG335_0 [dBm] | -63.14 | -61.23 | -62.12 | -62.13 | -74.67 |
| V2RG274_0 [dBm] | -63.82 | -61.71 | -62.80 | -62.80 | -75.34 |



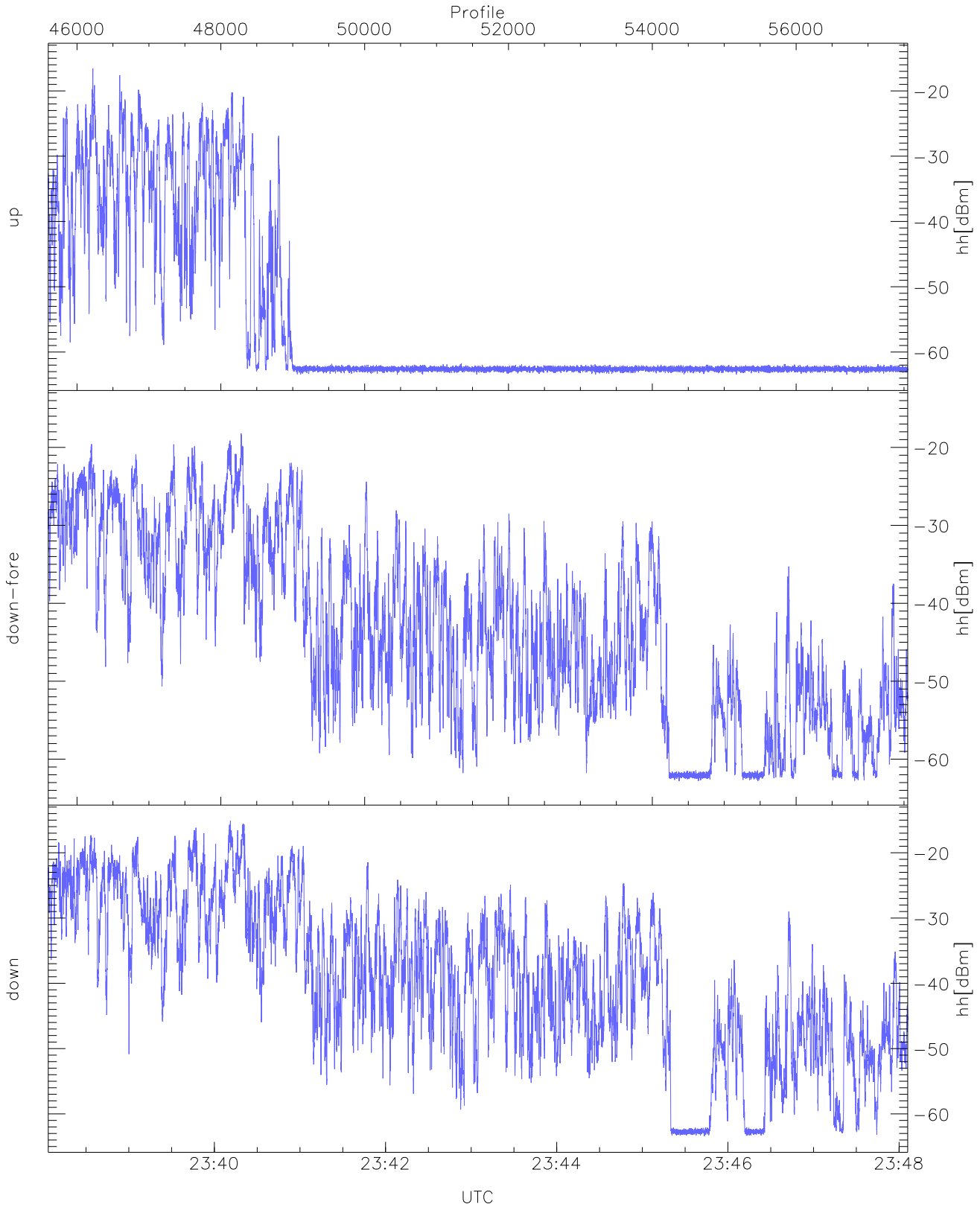

WCR2 CPP Averaged Received power for all recorded gates
blue: 233804-234305, 5977 profiles averaged
red: 234305-234806, 5977 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 233804-234305, 5977 profiles averaged
red: 234305-234806, 5977 profiles averaged

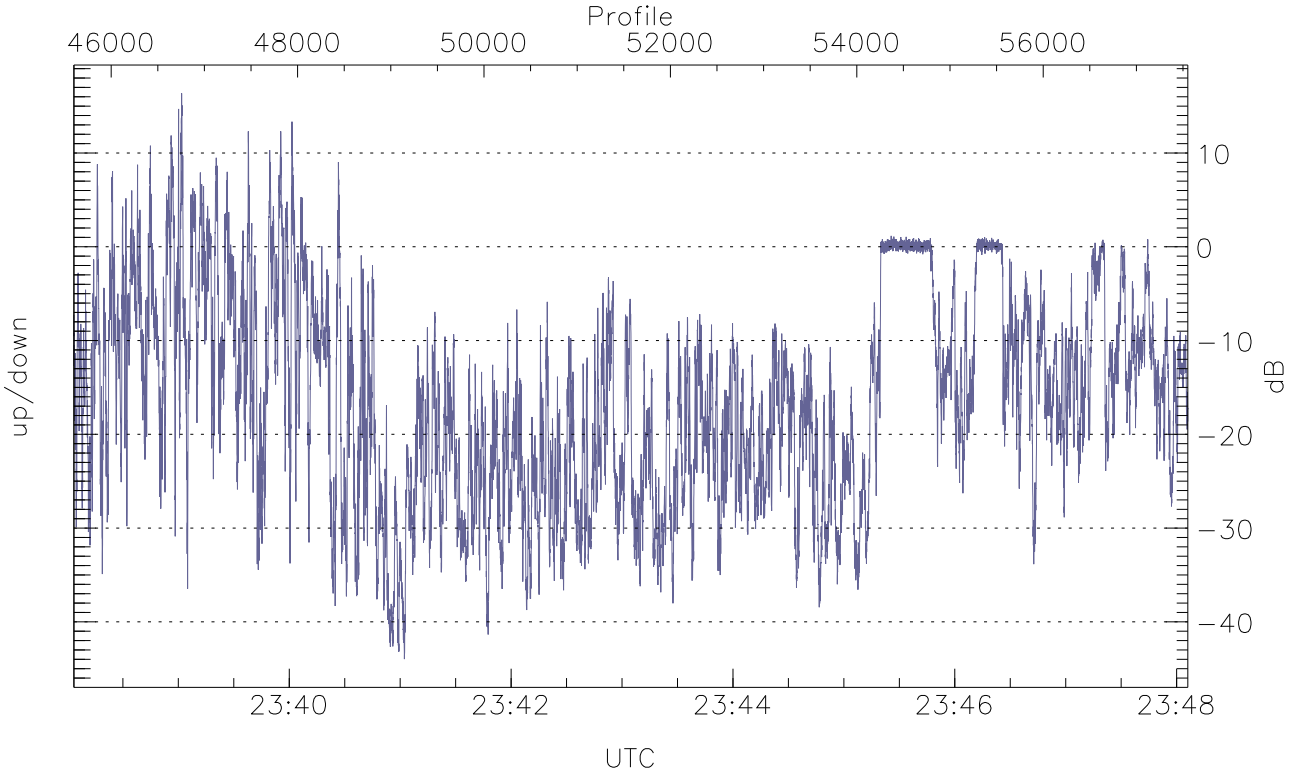


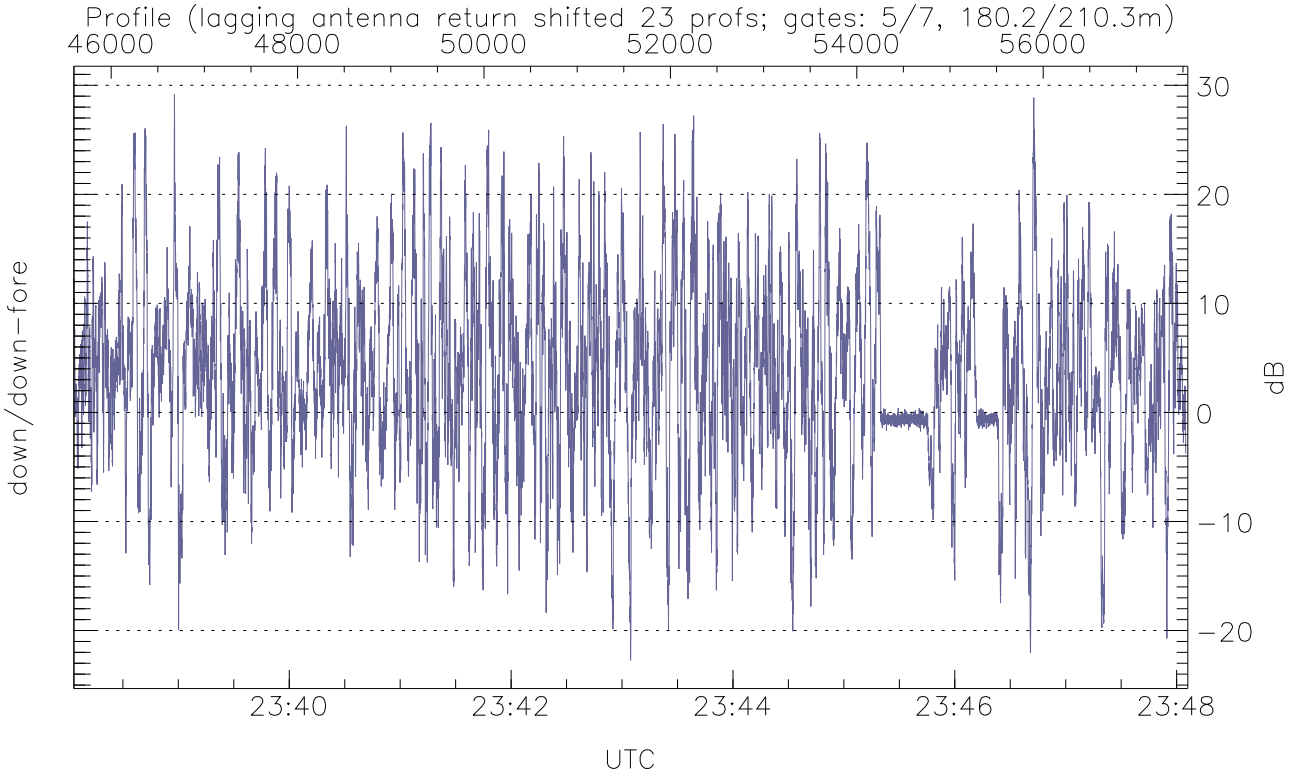

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

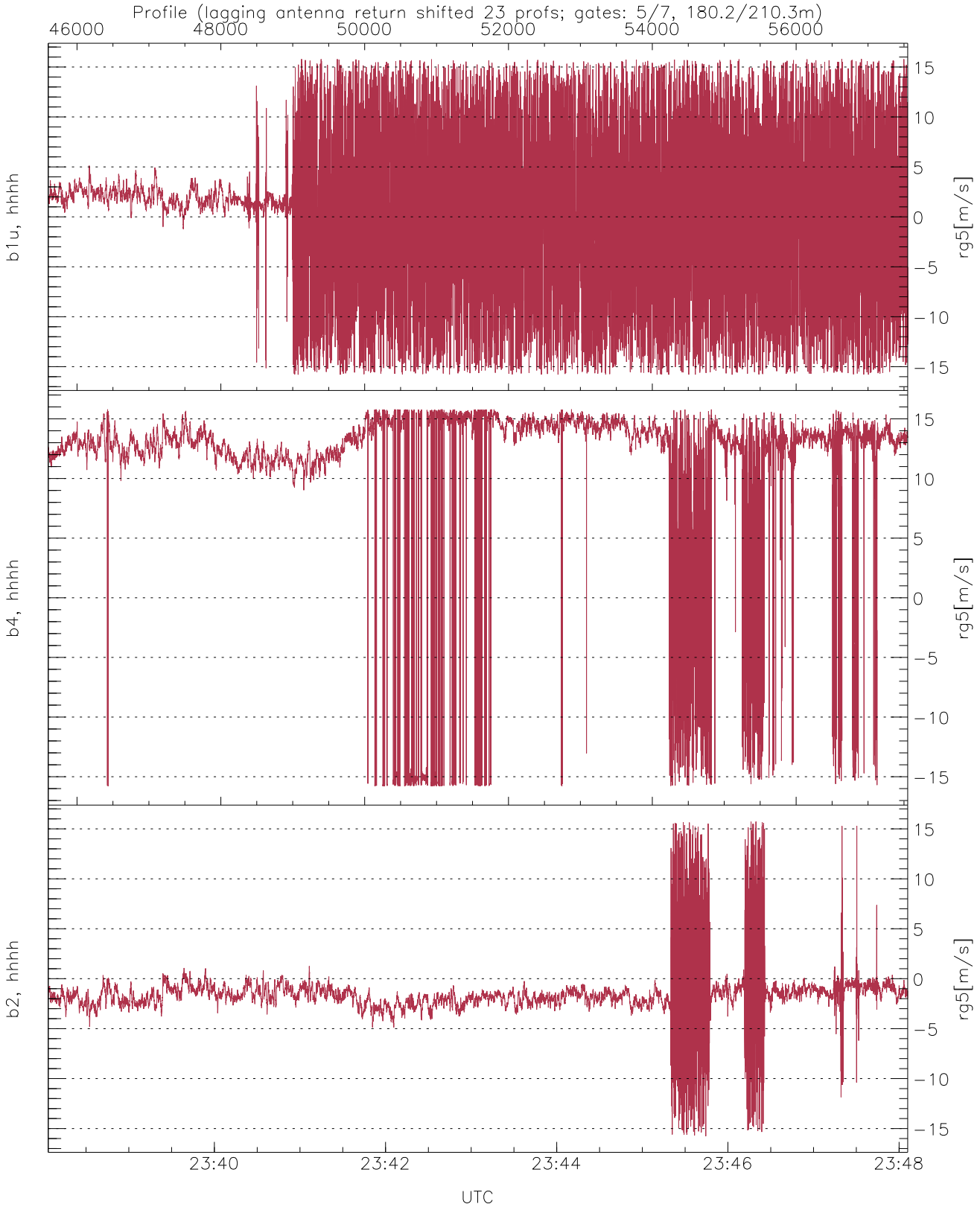
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -63.47 | -16.57 | -35.38 |
| down-fore(hh[dBm]) | -62.82 | -18.19 | -32.30 |
| down(hh[dBm]) | -63.43 | -15.11 | -28.72 |




WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -43.97 | 16.37 | -16.01 |
| down/down-fore(dB) | -22.73 | 29.15 | 3.61 |




WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | 0.35 | 7.67 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | 10.85 | 7.58 |
| b2, hhhh(rg5[m/s]) | -15.76 | 15.73 | -1.61 | 2.46 |