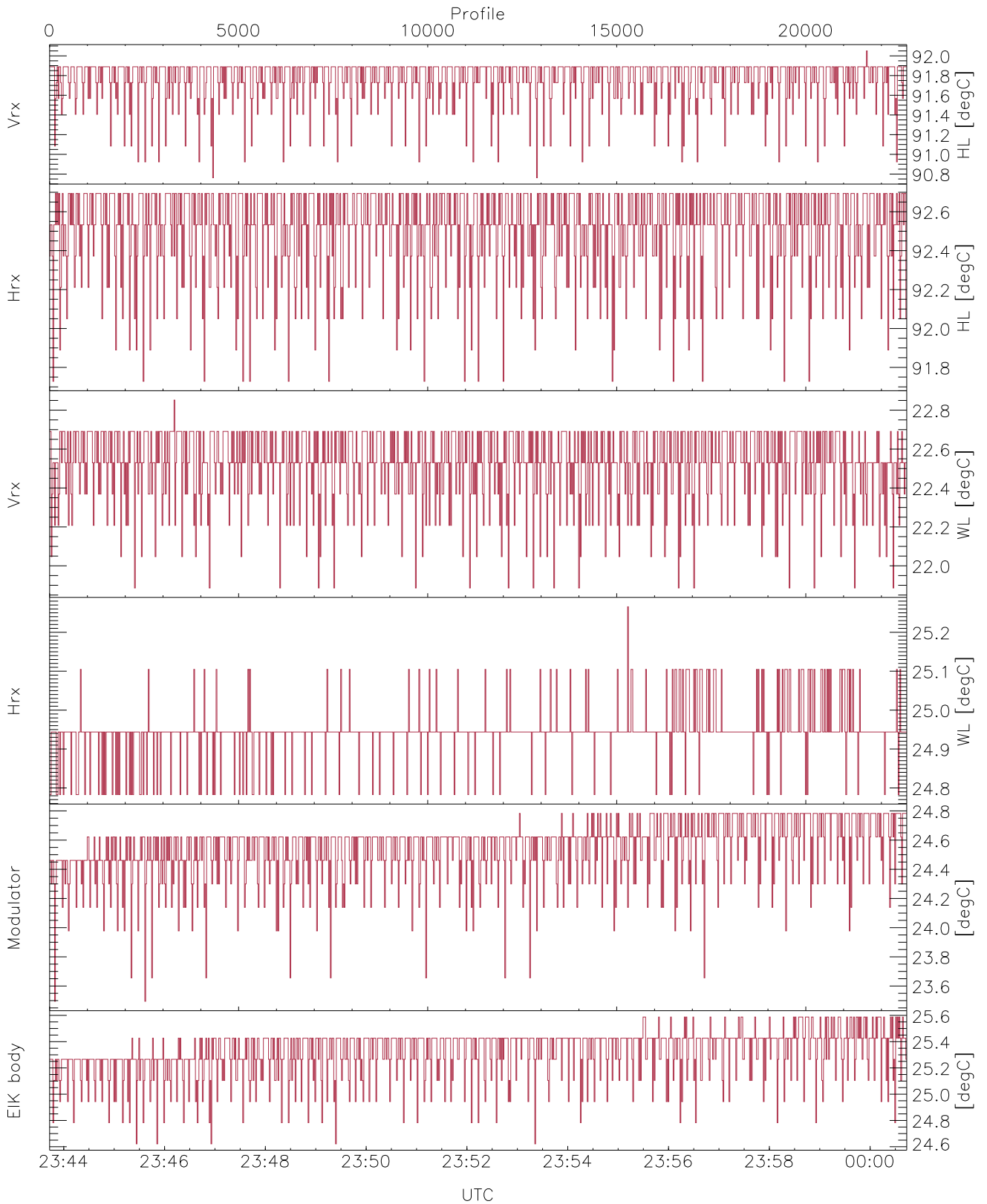


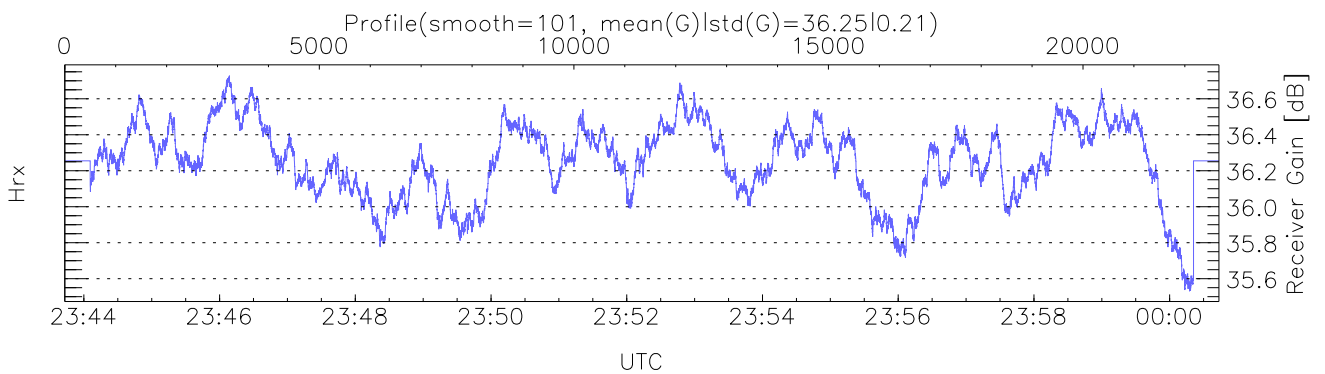
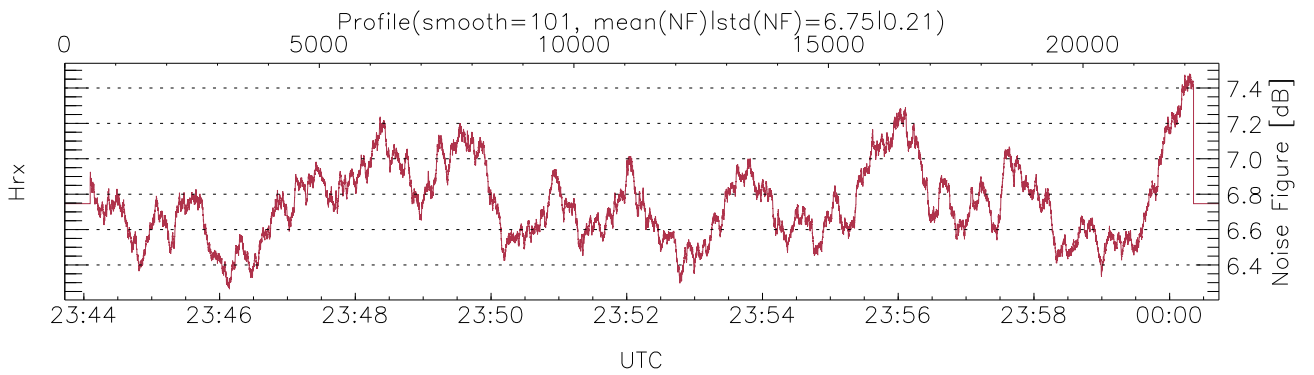
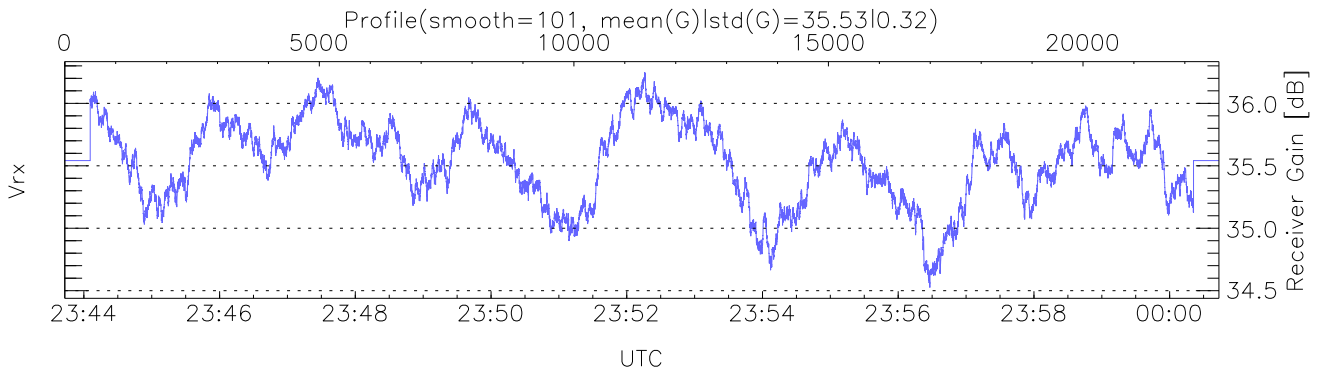
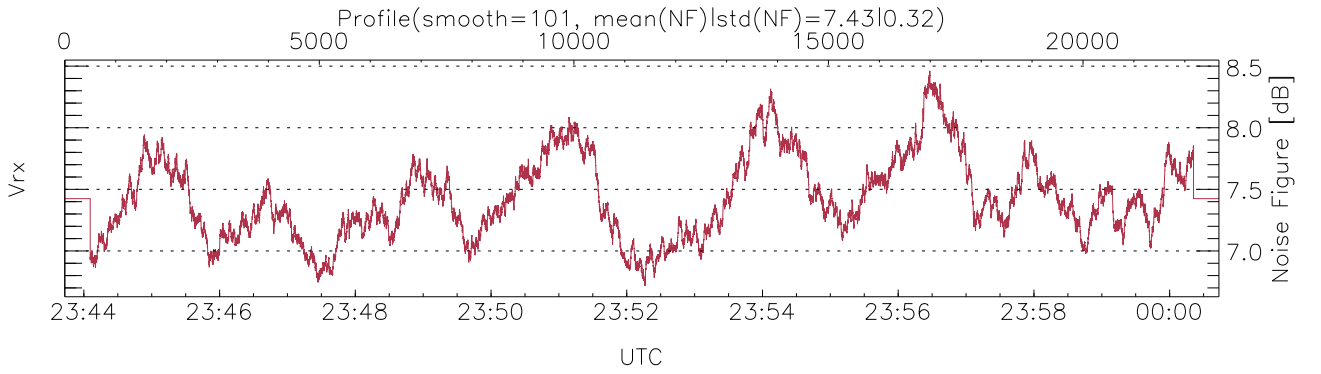
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 23:43:43-00:00:44, TimeCor: 0.00s, Dur: 1020.45s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2  
 NumRec(r/t): 22672/22672, 0-22671/23:43:43-00:00:44  
 AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100  
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H1 V2 V2 V2 H2 H2 H2  
 PRF: 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us  
 Range(min,max,rgs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



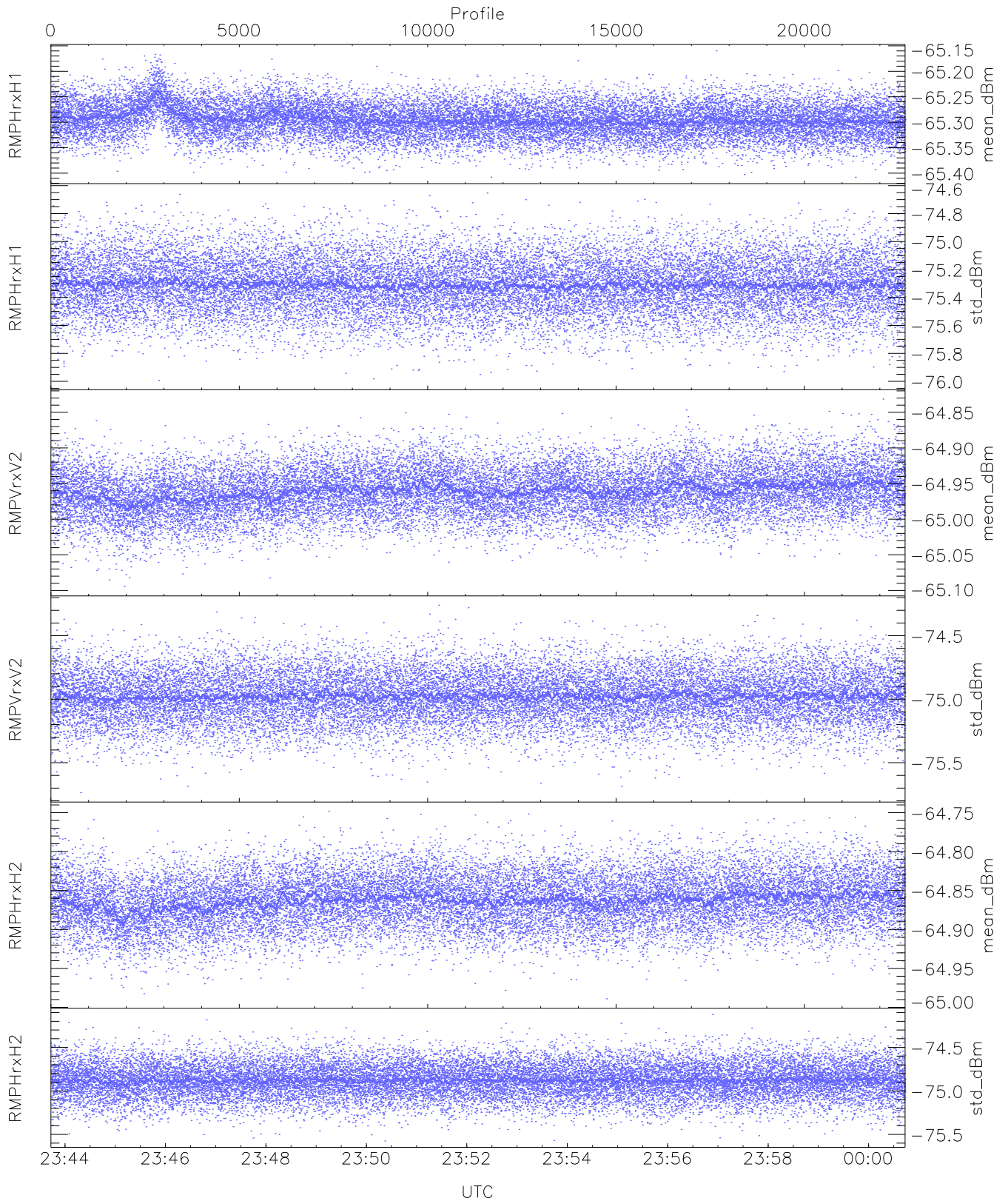
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

```
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,21,24,23,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,22,25,24,25
LOalarm(20,240,2817,14861 MHz): 0,0,46,0
EIK Faults(# prof affected):
DeckF (22)
```



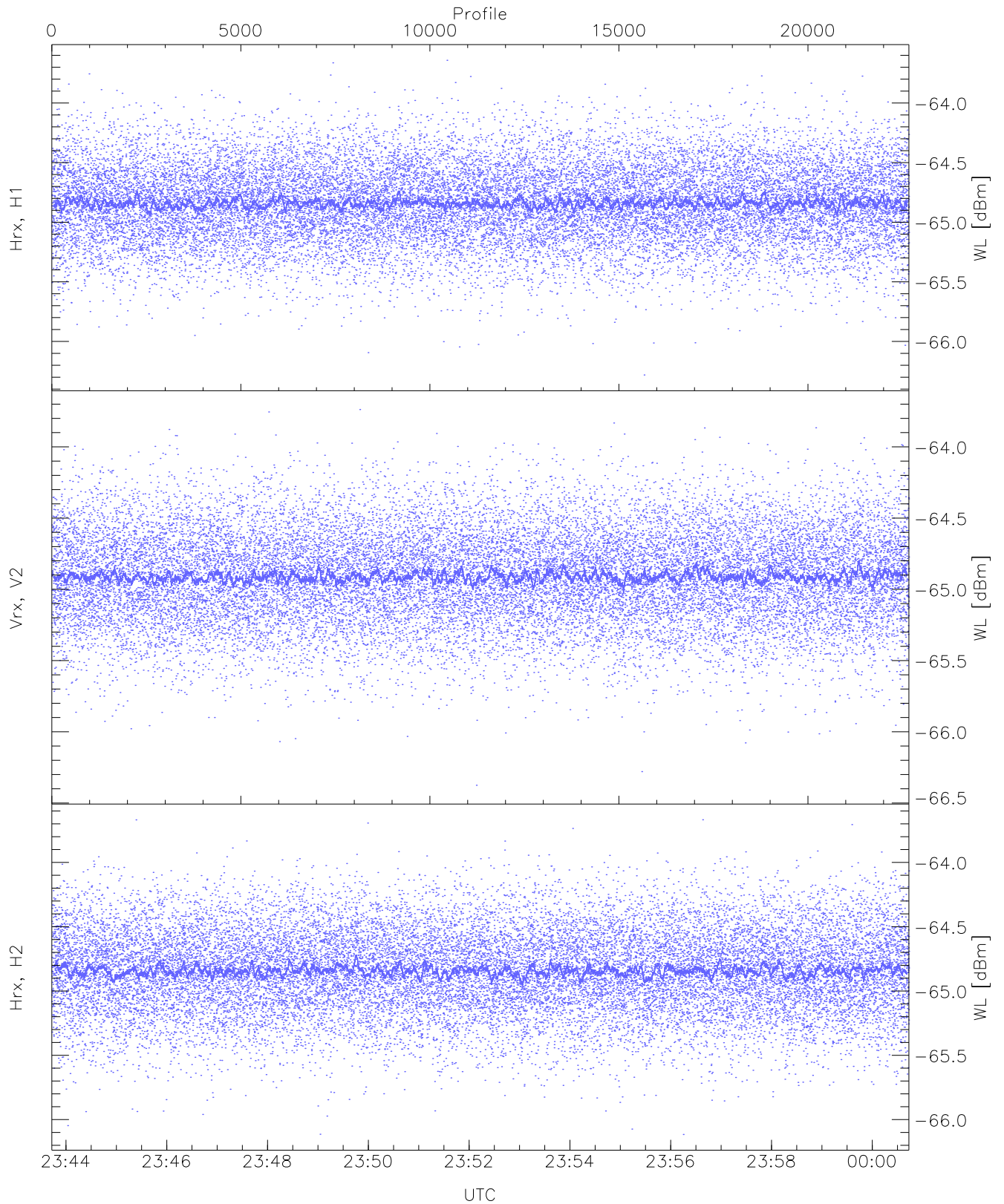
### WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 0 pixs, 0 gates, 0 profs, 0 prod(s)



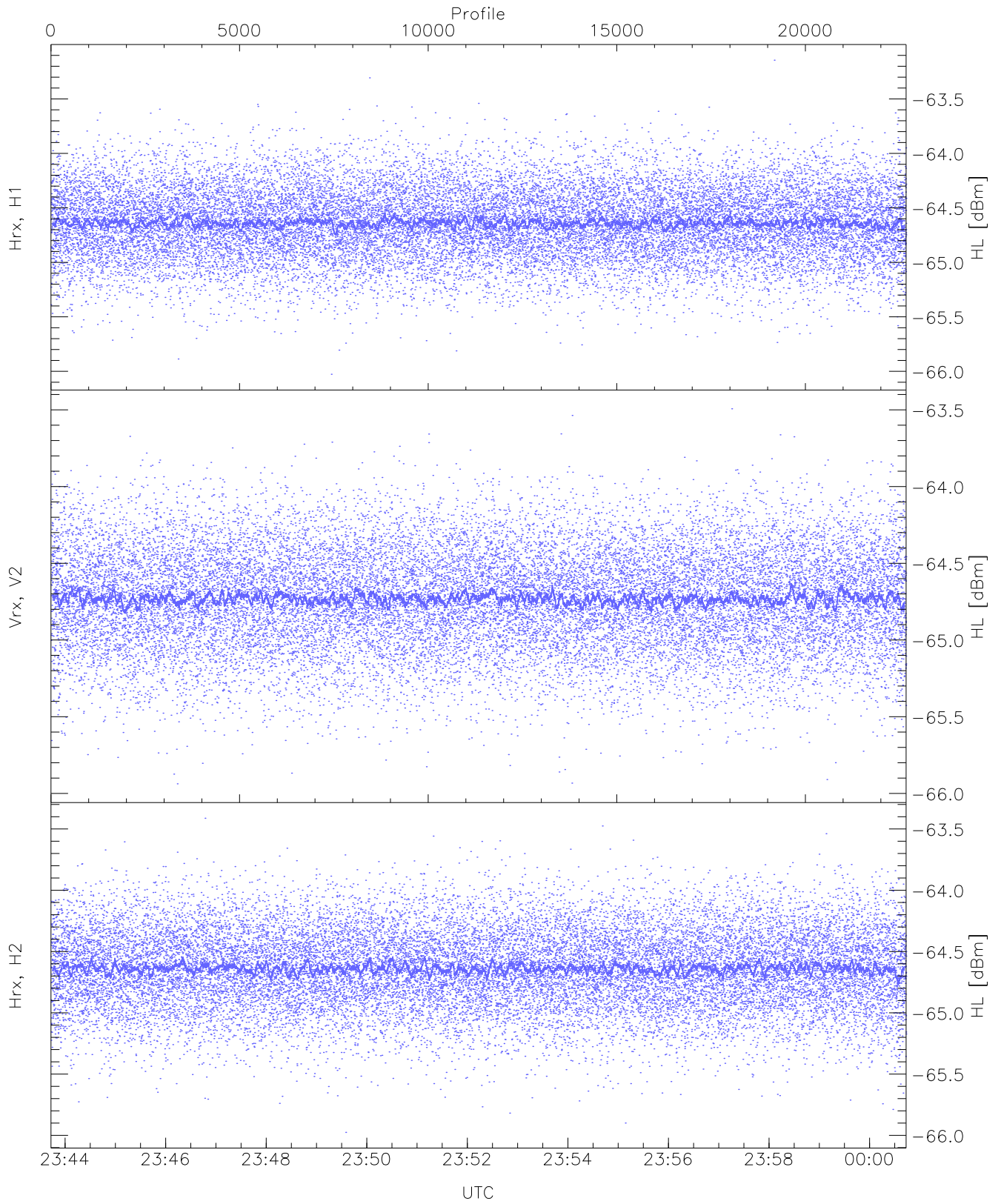
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

|                     | Min    | Max    | Mean   | Median | StDev  |
|---------------------|--------|--------|--------|--------|--------|
| RMPHrxH1 (mean_dBm) | -65.41 | -65.16 | -65.30 | -65.30 | -86.69 |
| RMPHrxH1 (std_dBm)  | -75.99 | -74.65 | -75.31 | -75.31 | -89.07 |
| RMPVrxV2 (mean_dBm) | -65.09 | -64.83 | -64.96 | -64.96 | -86.40 |
| RMPVrxV2 (std_dBm)  | -75.74 | -74.26 | -74.98 | -74.98 | -88.76 |
| RMPHrxH2 (mean_dBm) | -64.99 | -64.75 | -64.86 | -64.86 | -86.35 |
| RMPHrxH2 (std_dBm)  | -75.58 | -74.12 | -74.88 | -74.88 | -88.70 |



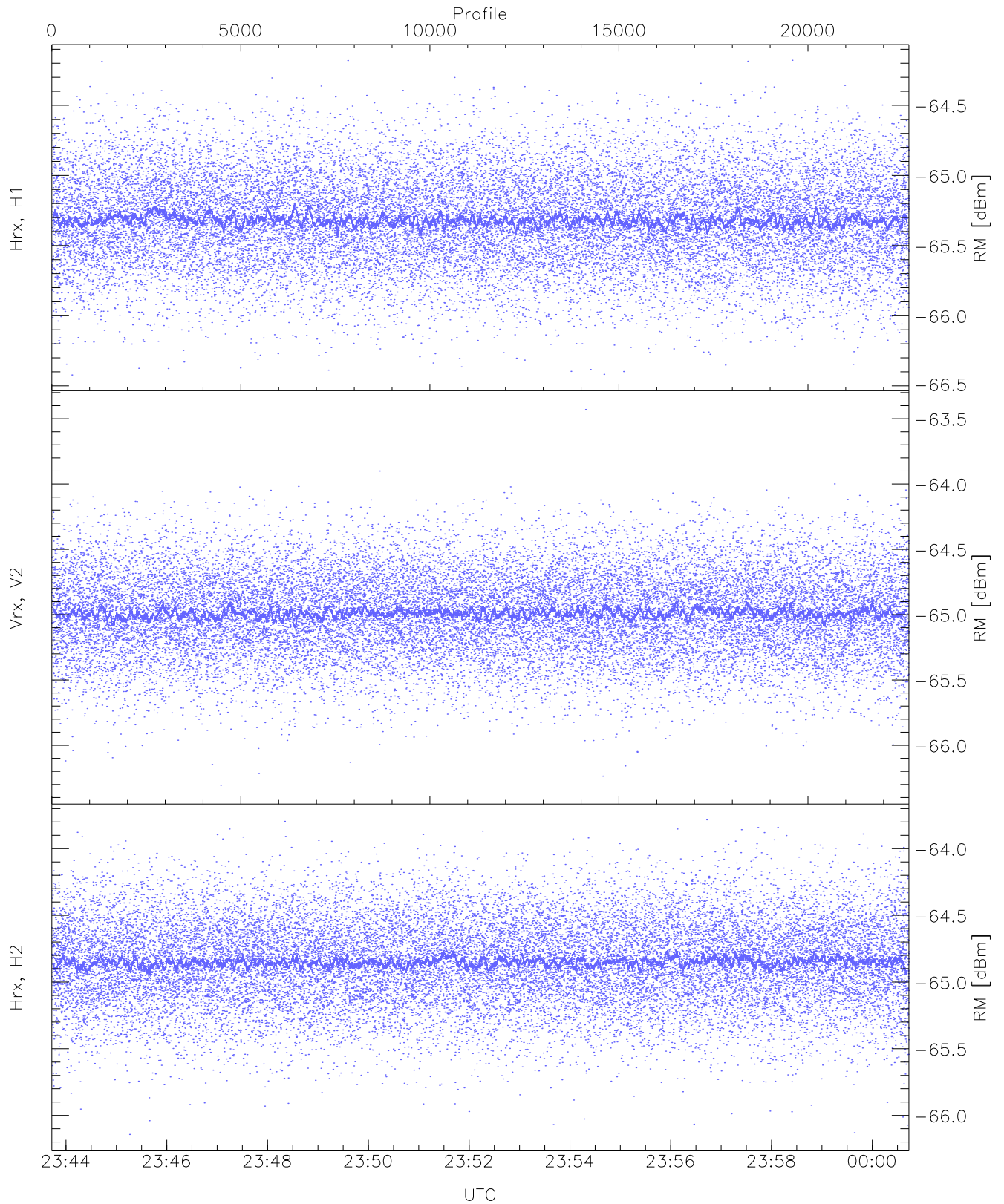
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.28 | -63.64 | -64.83 | -64.84 | -76.35 |
| Vrx, V2 (WL [dBm]) | -66.38 | -63.74 | -64.90 | -64.91 | -76.42 |
| Hrx, H2 (WL [dBm]) | -66.12 | -63.67 | -64.84 | -64.84 | -76.35 |



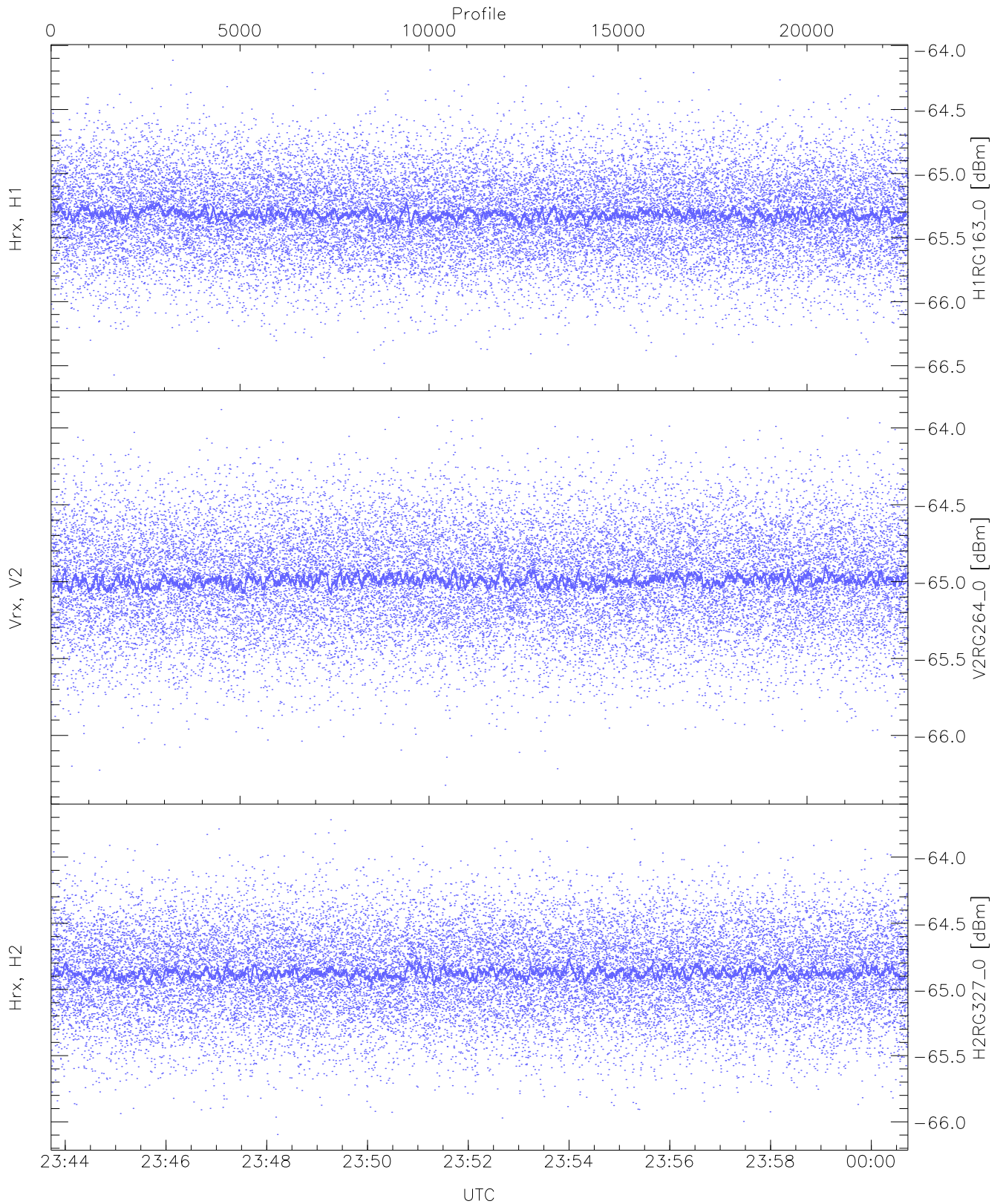
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -66.03 | -63.14 | -64.63 | -64.64 | -76.13 |
| Vrx, V2 (HL [dBm]) | -65.94 | -63.49 | -64.72 | -64.73 | -76.21 |
| Hrx, H2 (HL [dBm]) | -65.98 | -63.41 | -64.63 | -64.64 | -76.17 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

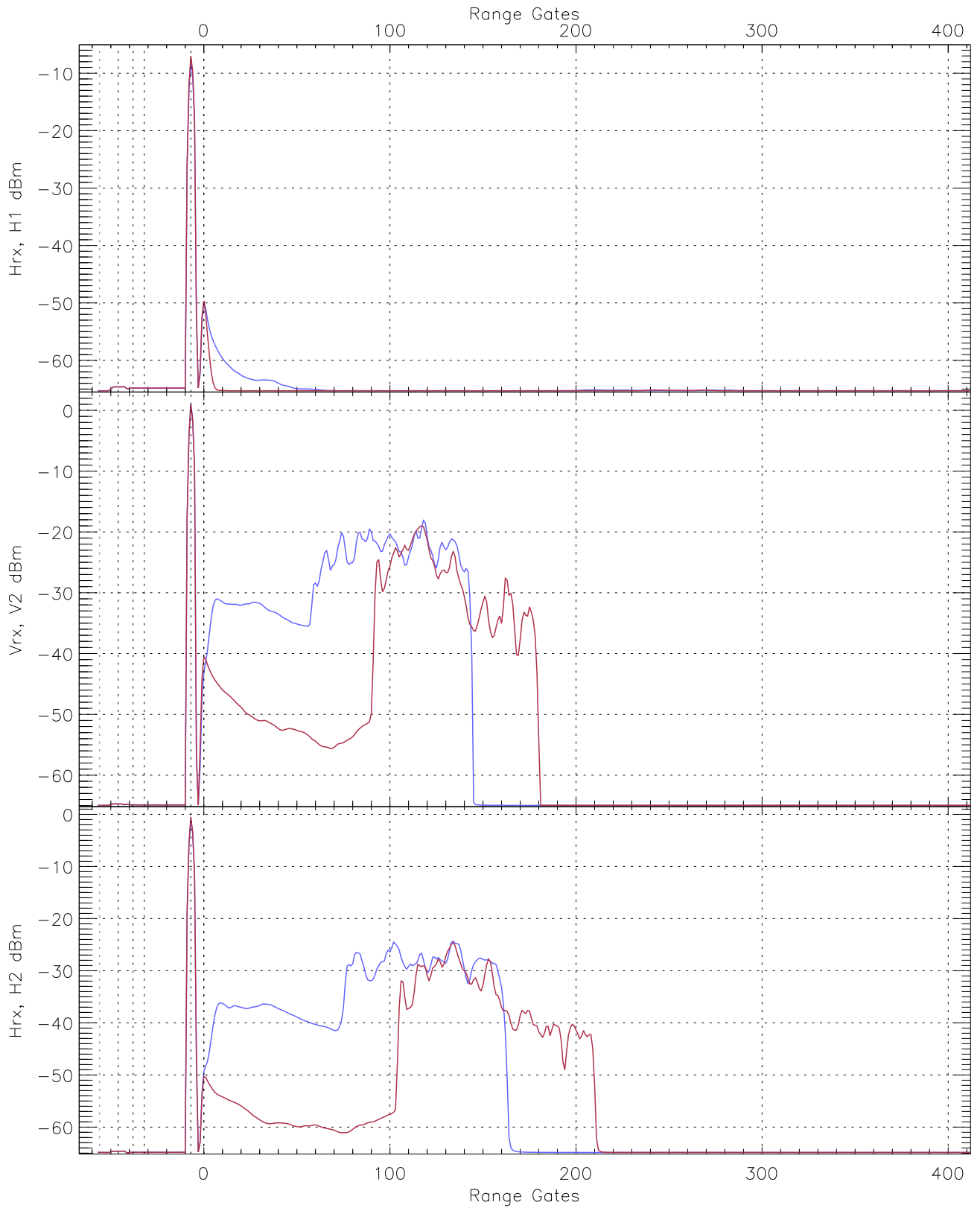
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.42 | -64.18 | -65.31 | -65.32 | -76.82 |
| Vrx, V2 (RM [dBm]) | -66.31 | -63.43 | -64.98 | -64.99 | -76.52 |
| Hrx, H2 (RM [dBm]) | -66.14 | -63.78 | -64.84 | -64.85 | -76.38 |



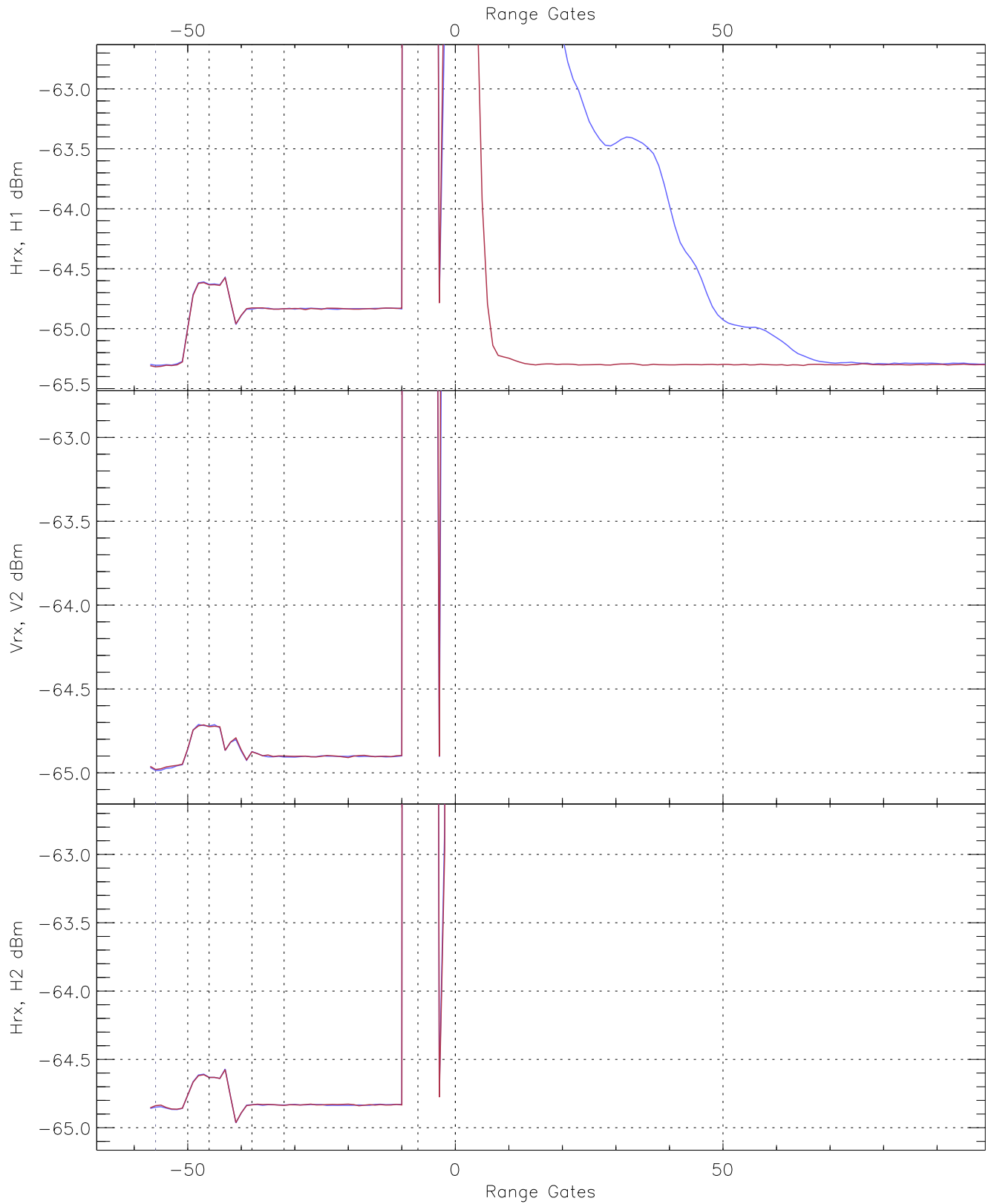
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG163_0 [dBm] | -66.57 | -64.12 | -65.31 | -65.32 | -76.80 |
| V2RG264_0 [dBm] | -66.32 | -63.88 | -64.98 | -64.99 | -76.49 |
| H2RG327_0 [dBm] | -66.10 | -63.72 | -64.87 | -64.87 | -76.36 |

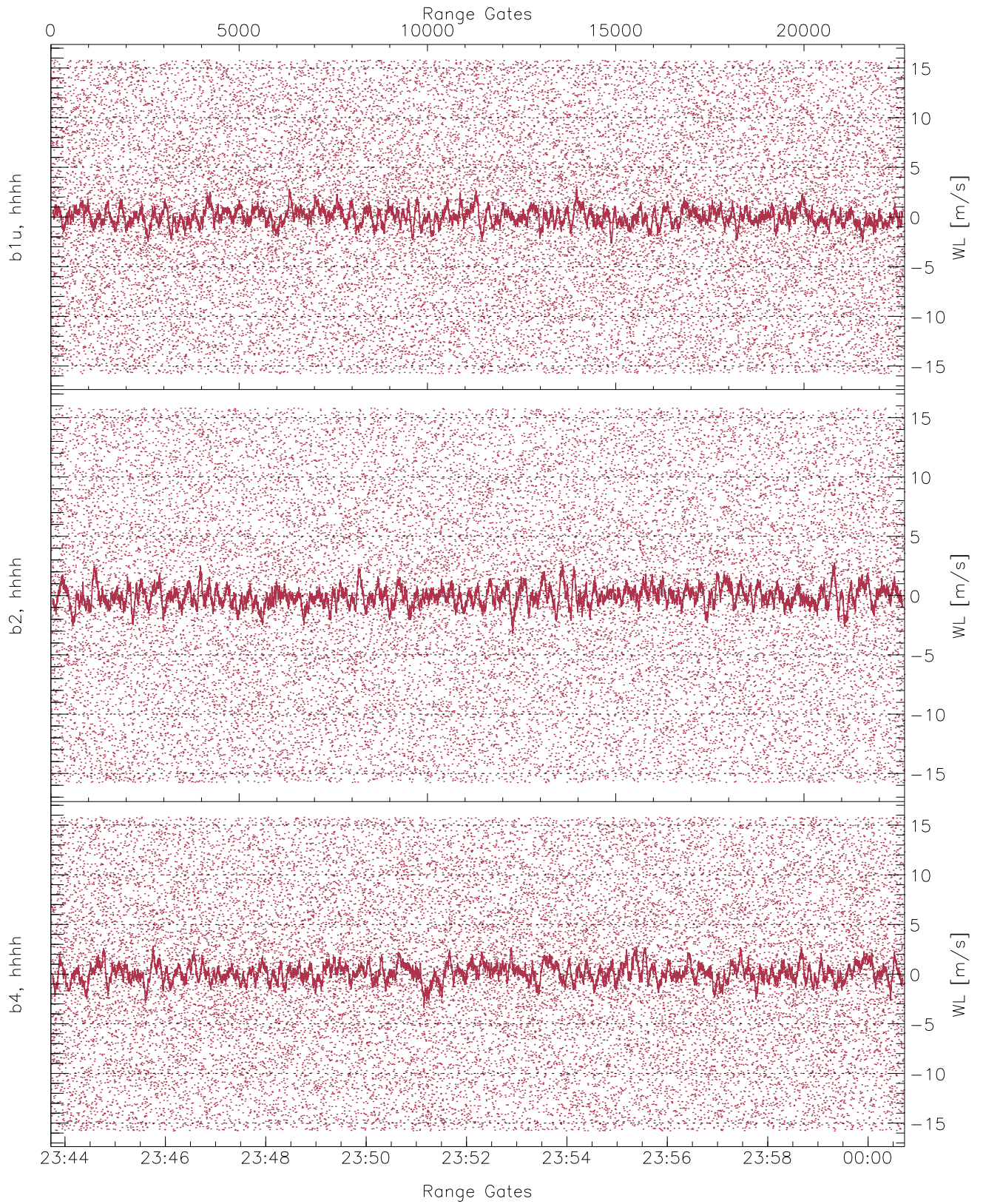




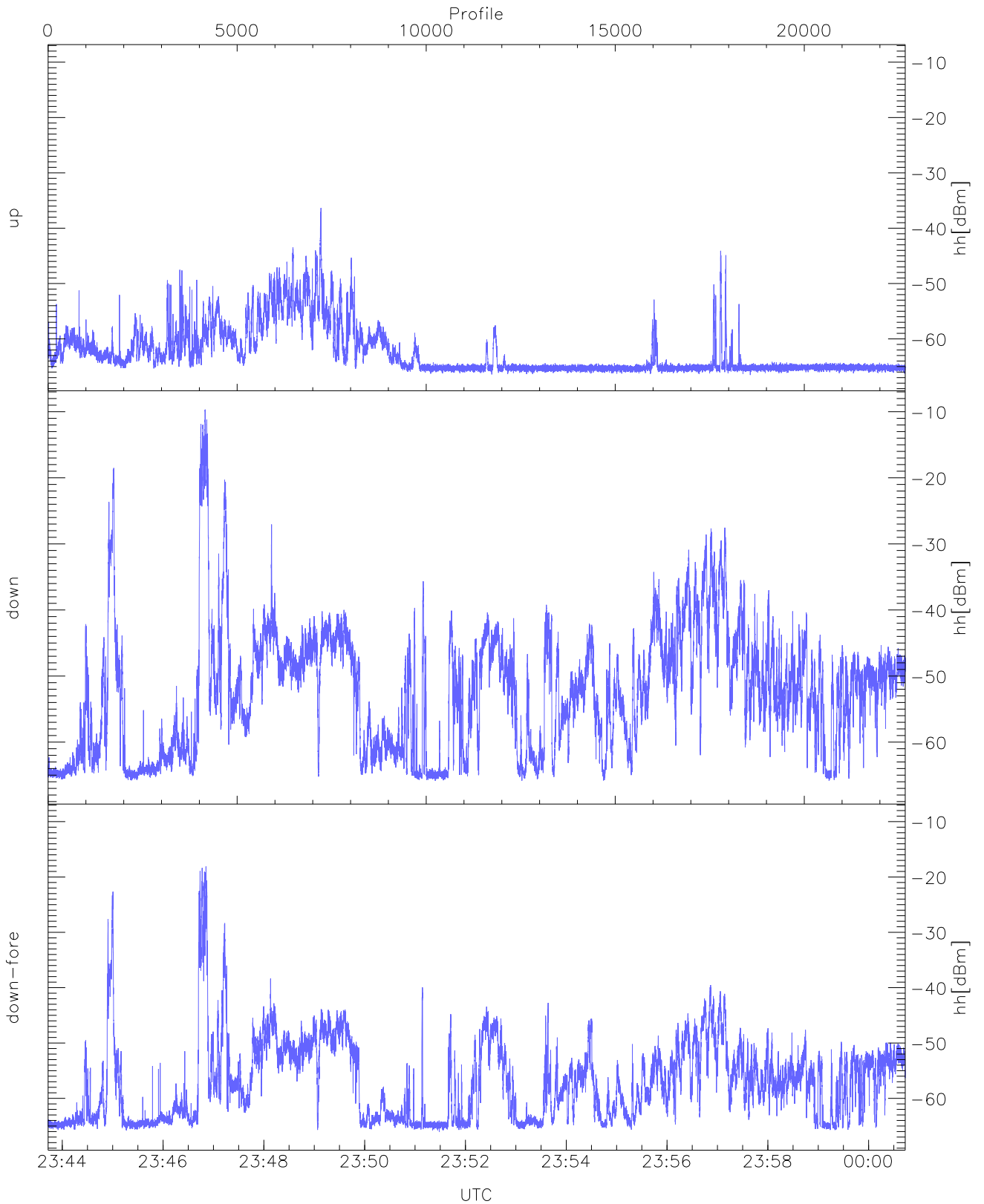
WCR3 CPP Averaged Received power for all recorded gates  
blue: 234343-235213, 11337 profiles averaged  
red: 235213-000044, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 234343-235213, 11337 profiles averaged  
red: 235213-000044, 11336 profiles averaged

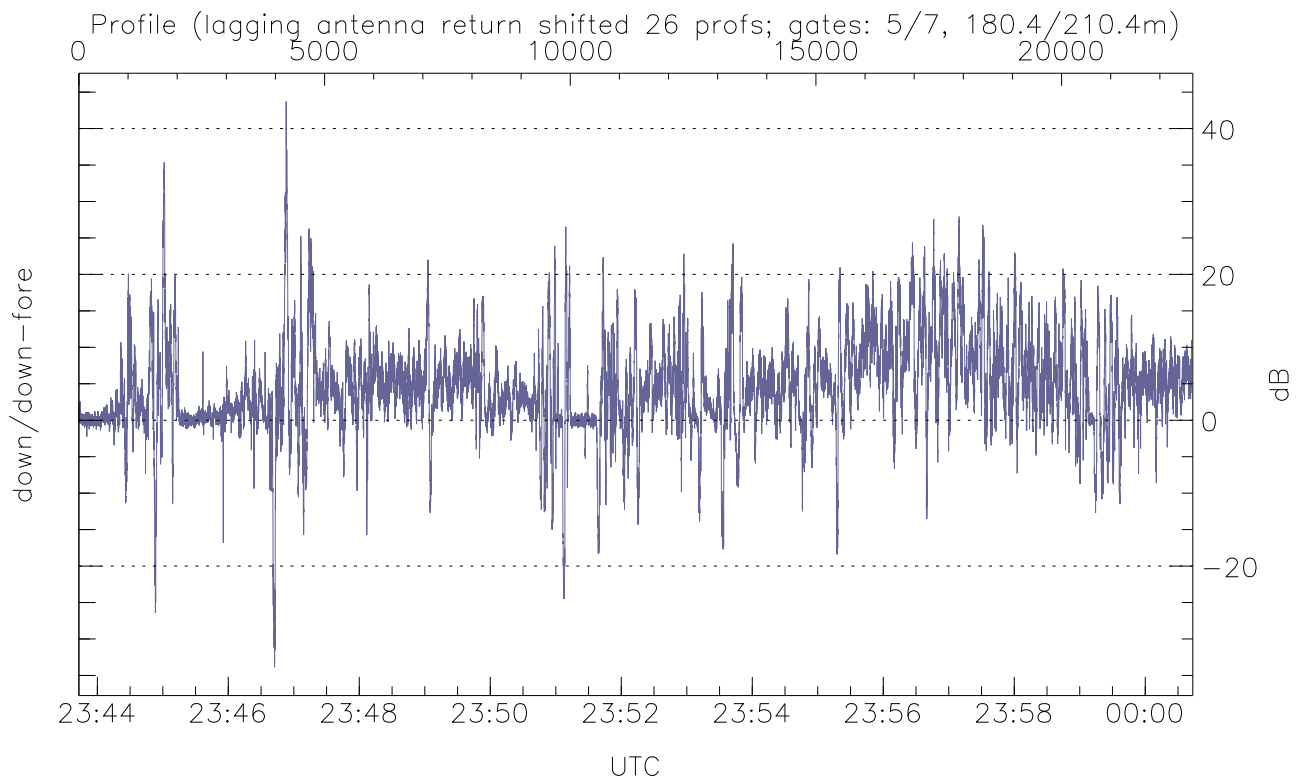
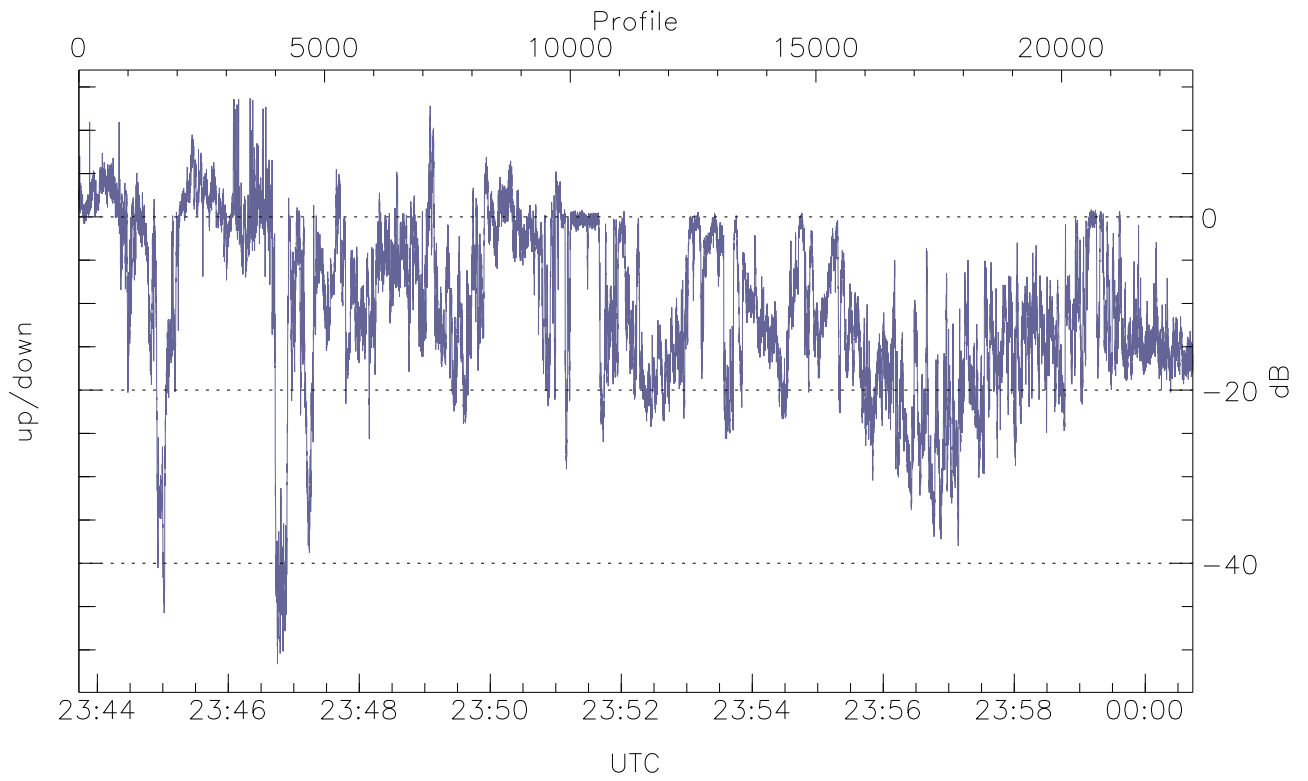


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



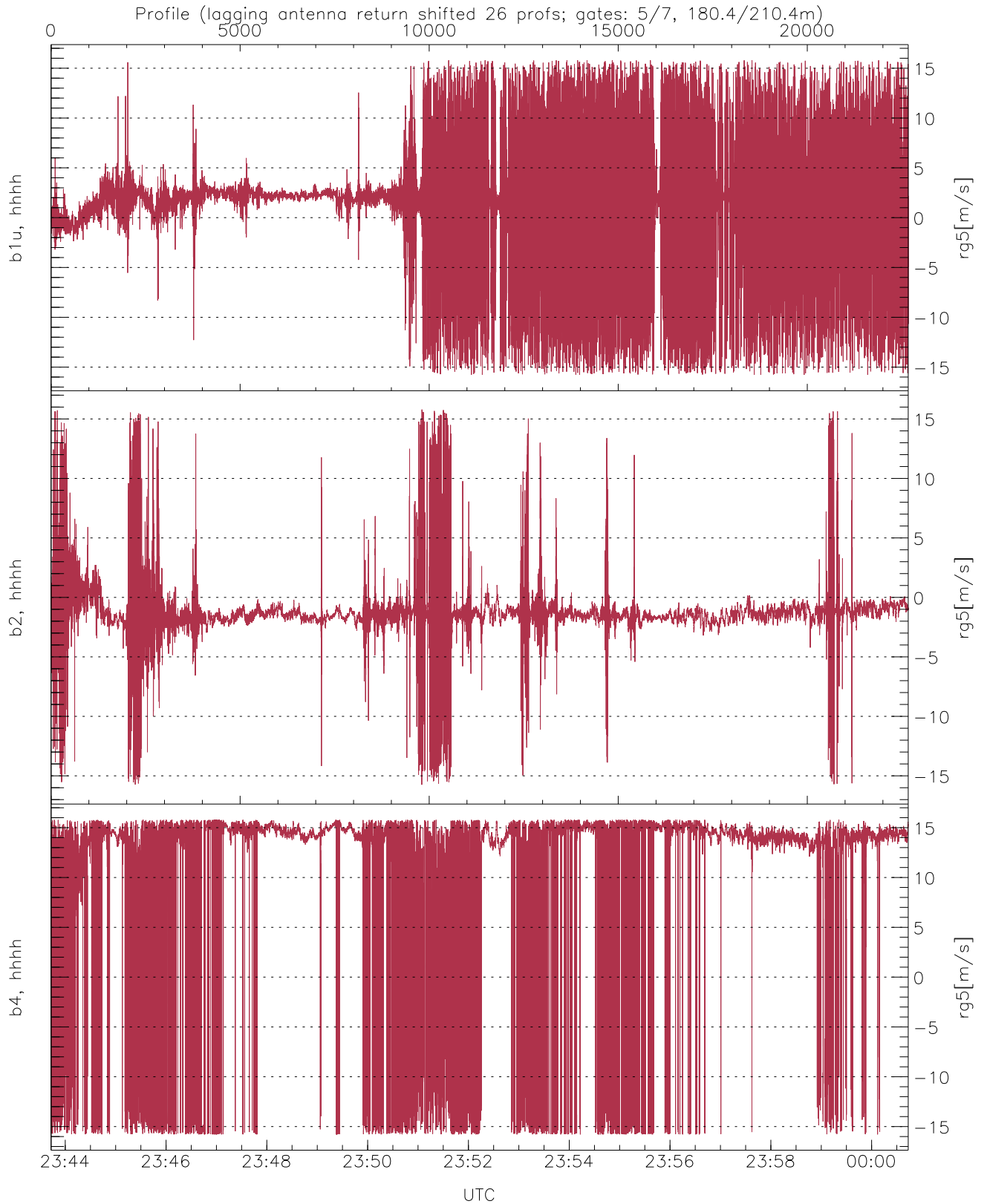
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -66.53 | -36.34 | -58.86 |
| down(hh[dBm])      | -65.85 | -9.66  | -34.92 |
| down-fore(hh[dBm]) | -66.09 | -18.11 | -43.22 |



WCR3 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

|                     | Min    | Max   | Mean   |
|---------------------|--------|-------|--------|
| up/down (dB)        | -51.64 | 13.69 | -10.17 |
| down/down-fore (dB) | -33.88 | 43.71 | 4.55   |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.78 | 15.79 | 0.82  | 5.96  |
| b2, hhhh(rg5[m/s])  | -15.75 | 15.79 | -1.25 | 2.47  |
| b4, hhhh(rg5[m/s])  | -15.79 | 15.79 | 9.74  | 9.81  |