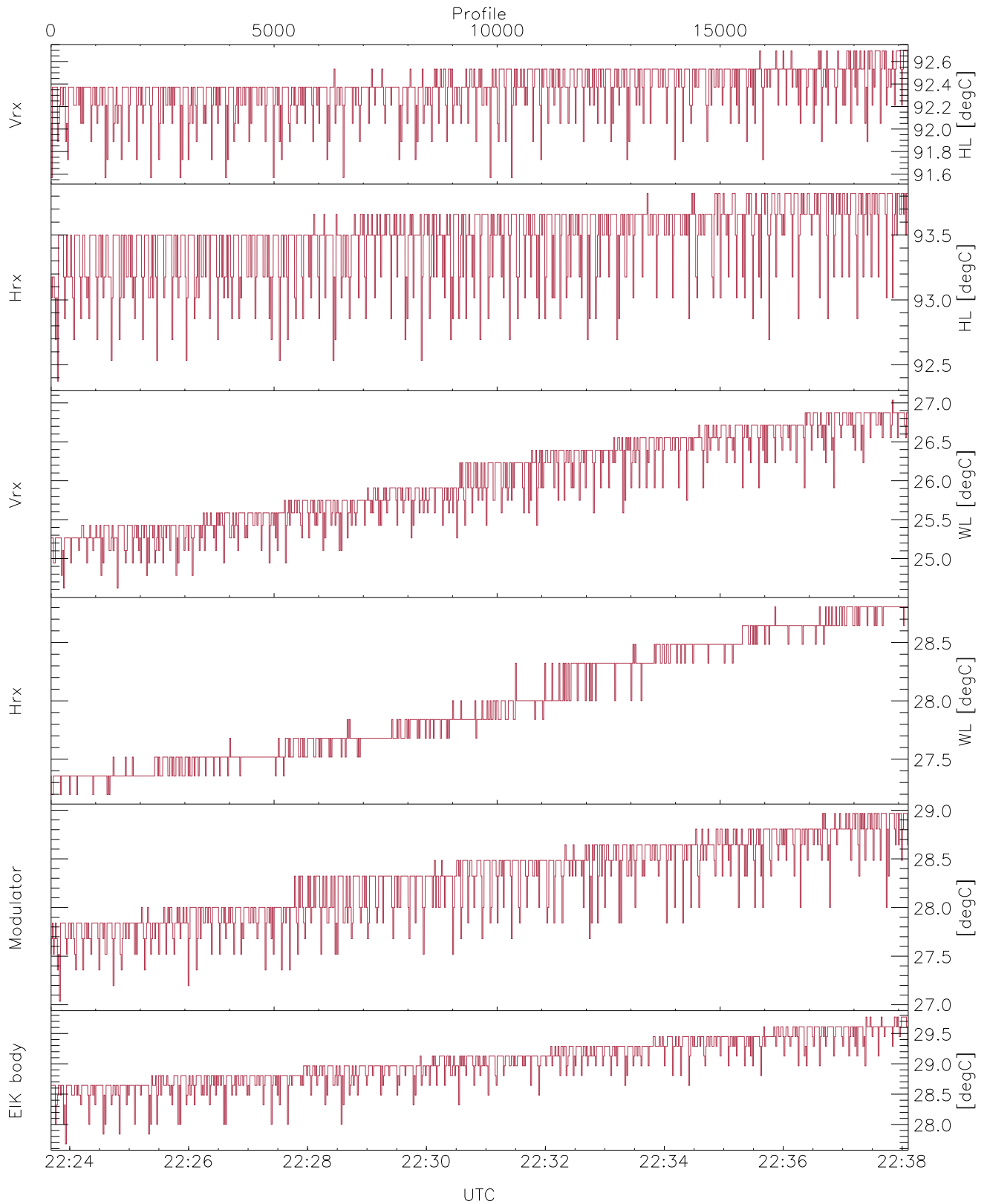


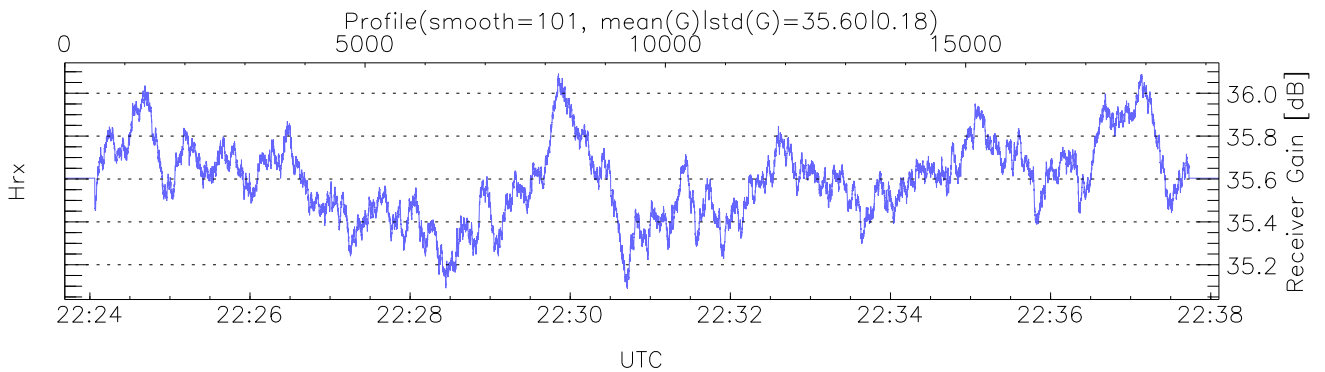
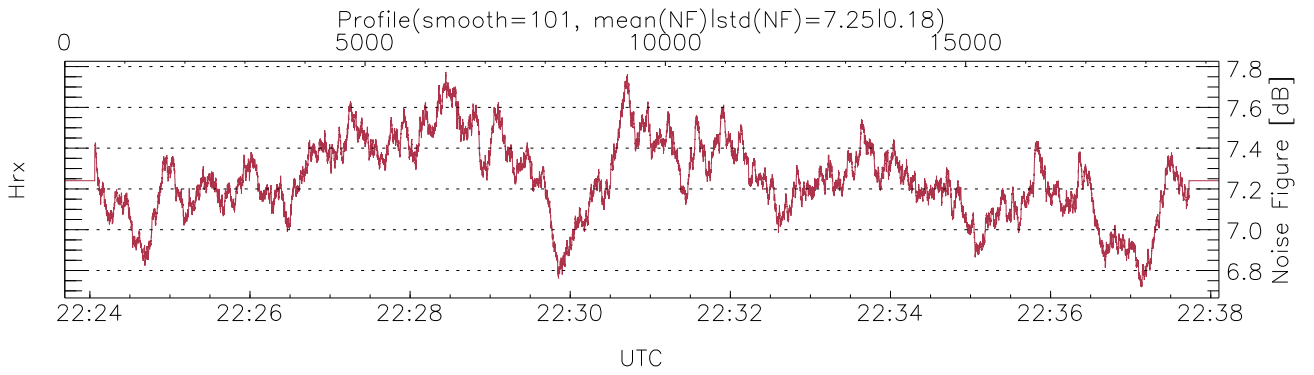
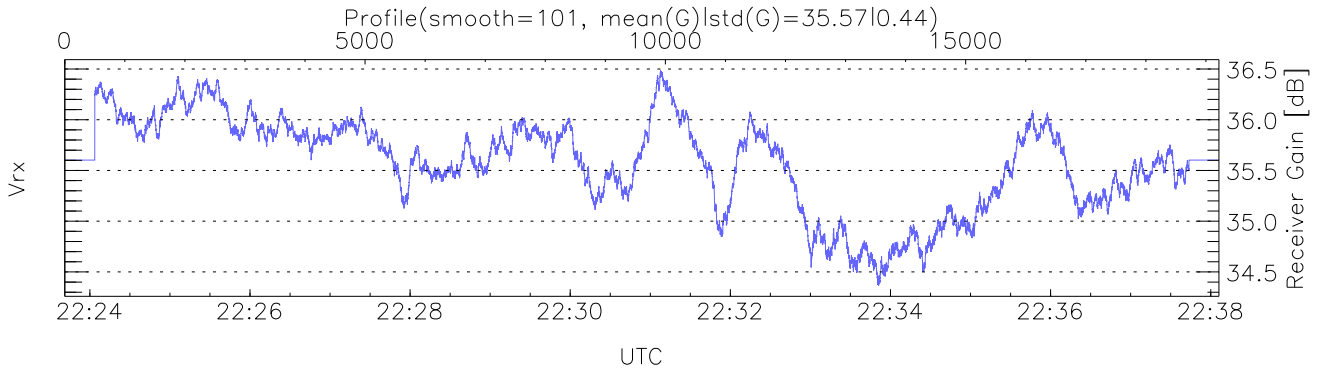
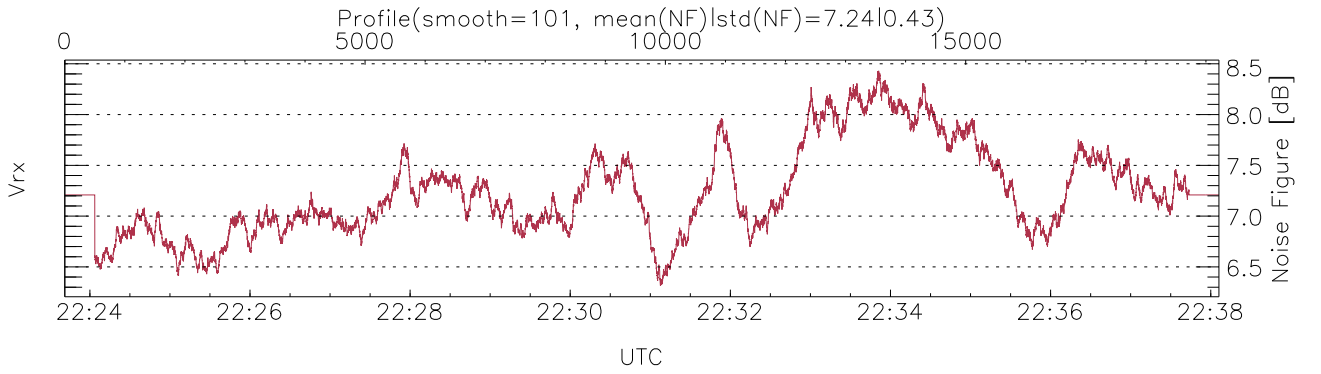
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:23:41-22:38:06, TimeCor: 0.00s, Dur: 864.98s
 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): 19218/19218, 0-19217/22:23:41-22:38:06
 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,rqs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



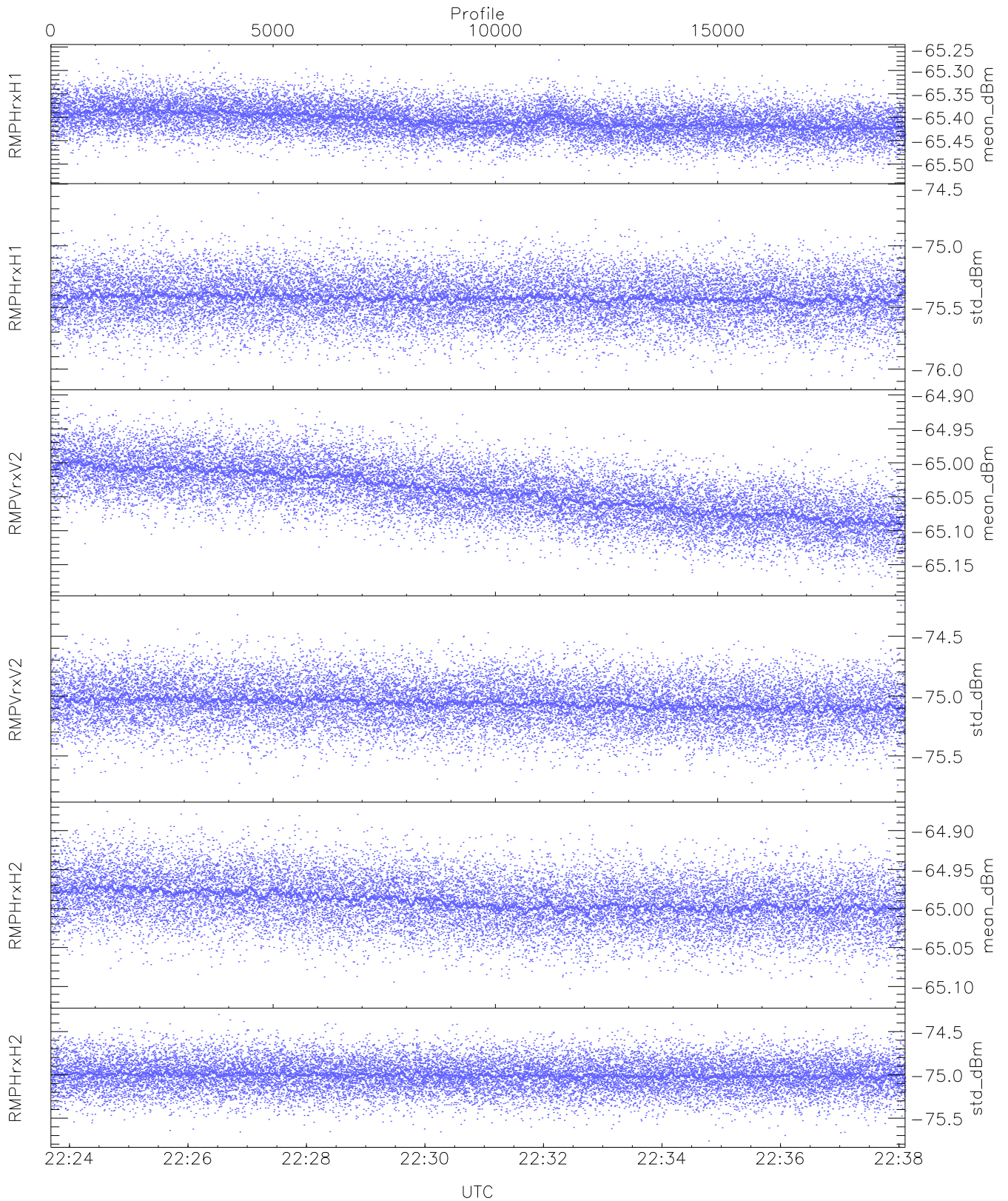
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,24,27,27,27
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,27,28,28,29
 LOalarm(20,240,2817,14861 MHz): None
 EIK Faults(# prof affected):
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (22,22,22,22,22,22)



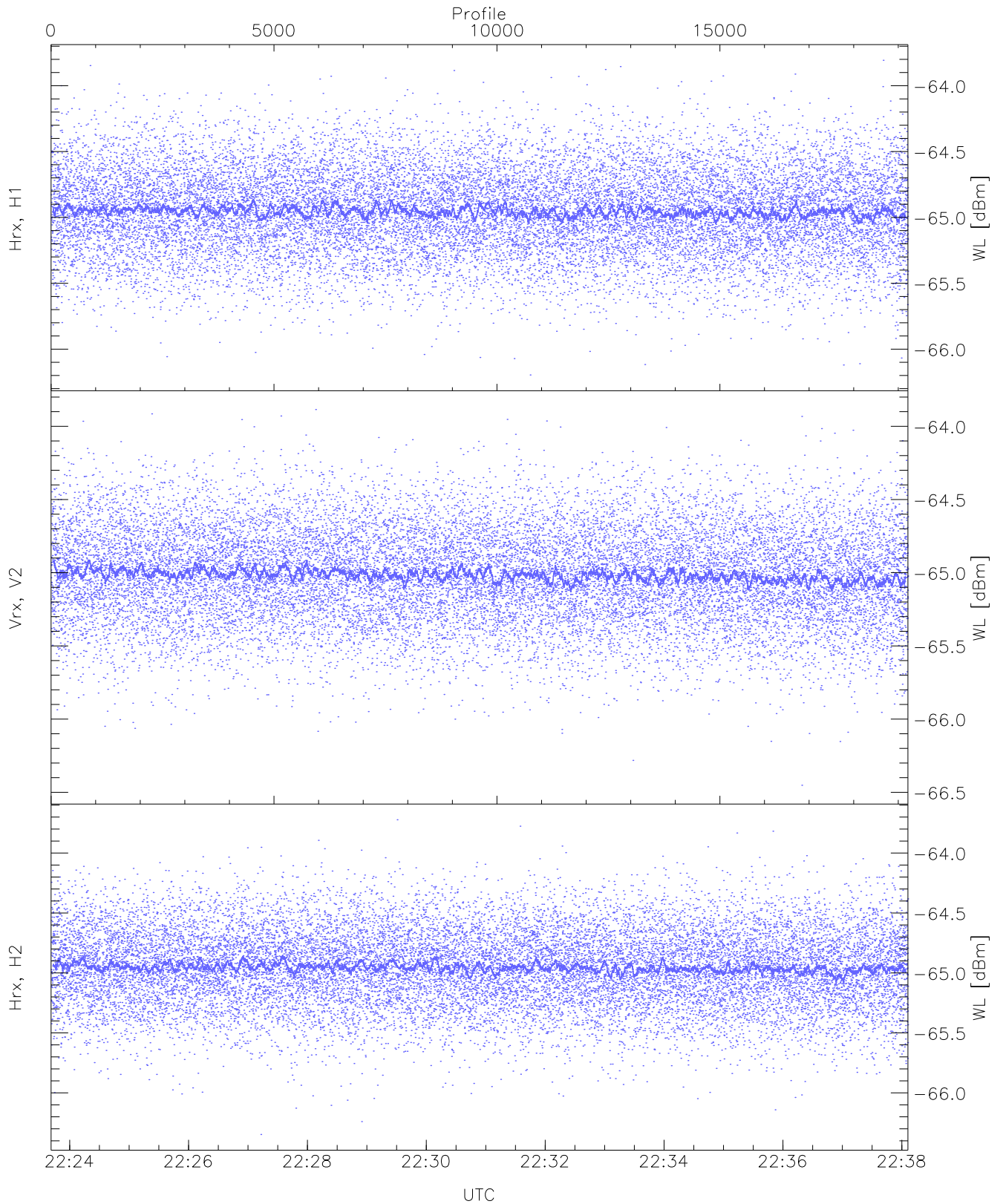
WCR3 CPP Receivers Gain and Noise Figure

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



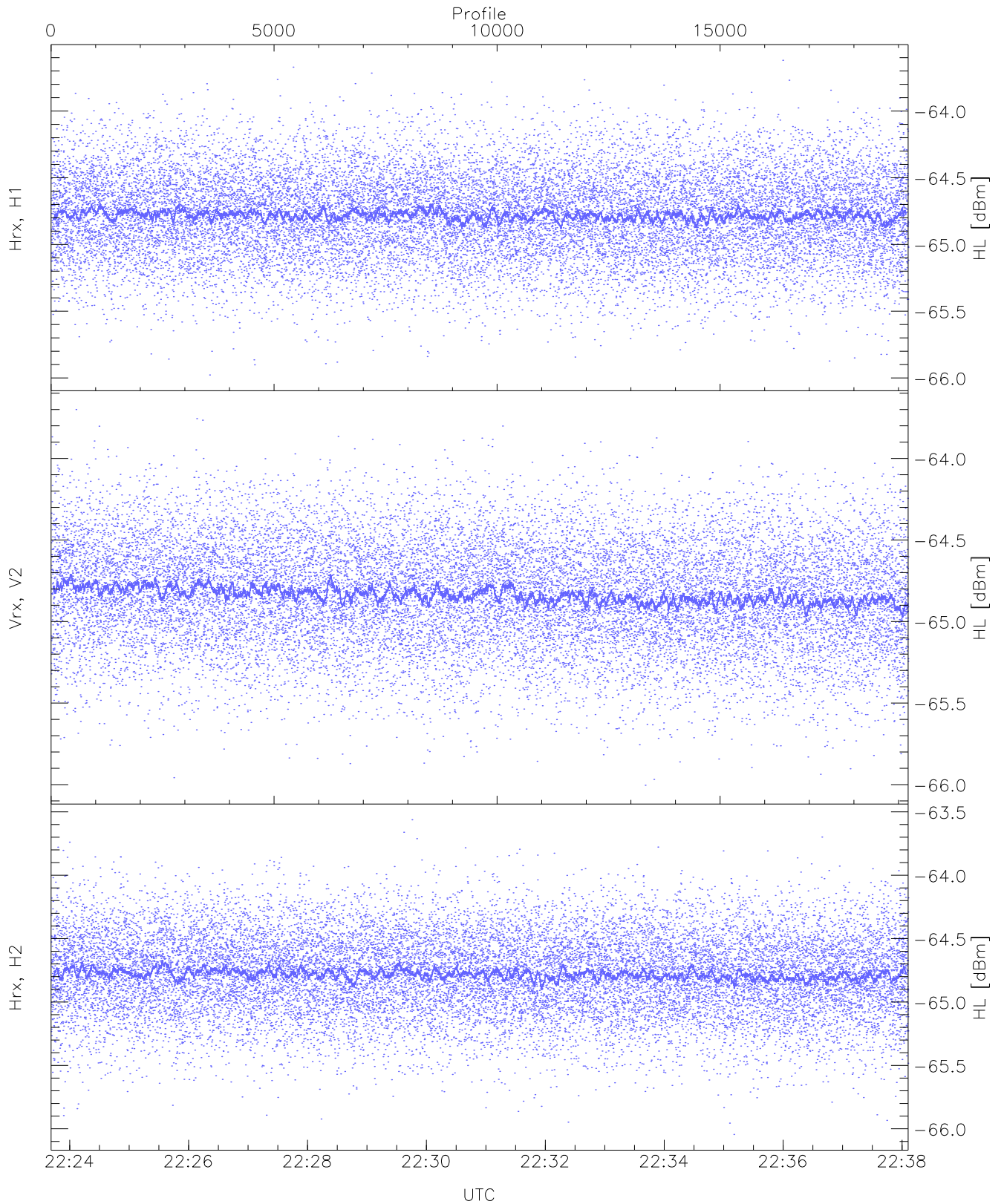
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.53 | -65.26 | -65.41 | -65.41 | -86.63 |
| RMPHrxH1(std_dBm) | -76.09 | -74.57 | -75.42 | -75.42 | -89.20 |
| RMPVrxV2(mean_dBm) | -65.18 | -64.91 | -65.04 | -65.04 | -85.27 |
| RMPVrxV2(std_dBm) | -75.81 | -74.24 | -75.06 | -75.06 | -88.82 |
| RMPHrxH2(mean_dBm) | -65.12 | -64.88 | -64.99 | -64.99 | -86.42 |
| RMPHrxH2(std_dBm) | -75.76 | -74.30 | -75.00 | -75.01 | -88.79 |



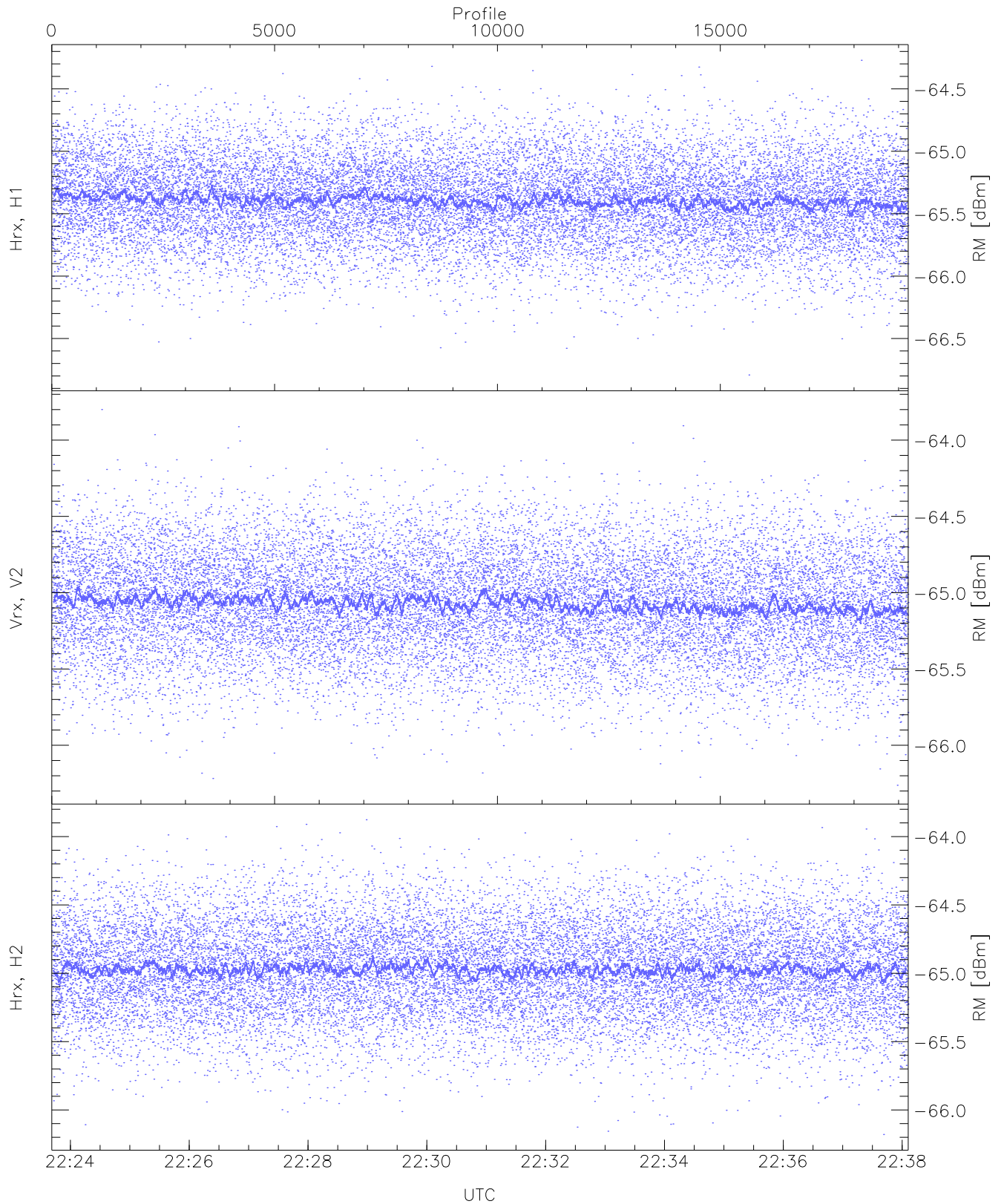
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.20 | -63.81 | -64.95 | -64.96 | -76.44 |
| Vrx, V2 (WL [dBm]) | -66.45 | -63.89 | -65.01 | -65.02 | -76.51 |
| Hrx, H2 (WL [dBm]) | -66.35 | -63.72 | -64.95 | -64.96 | -76.47 |



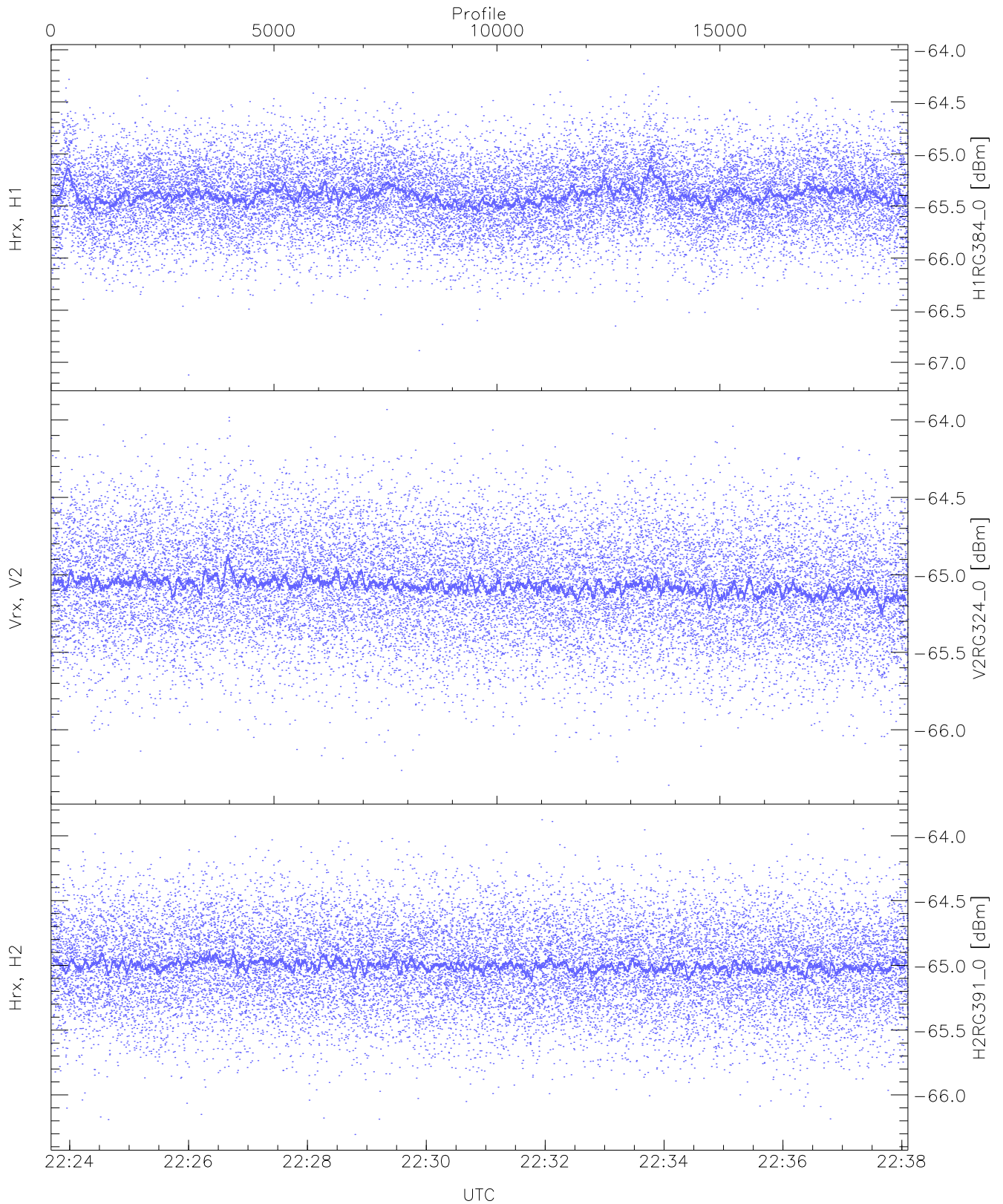
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.98 | -63.62 | -64.77 | -64.78 | -76.29 |
| Vrx, V2 (HL [dBm]) | -66.00 | -63.70 | -64.83 | -64.84 | -76.36 |
| Hrx, H2 (HL [dBm]) | -66.04 | -63.56 | -64.77 | -64.78 | -76.31 |



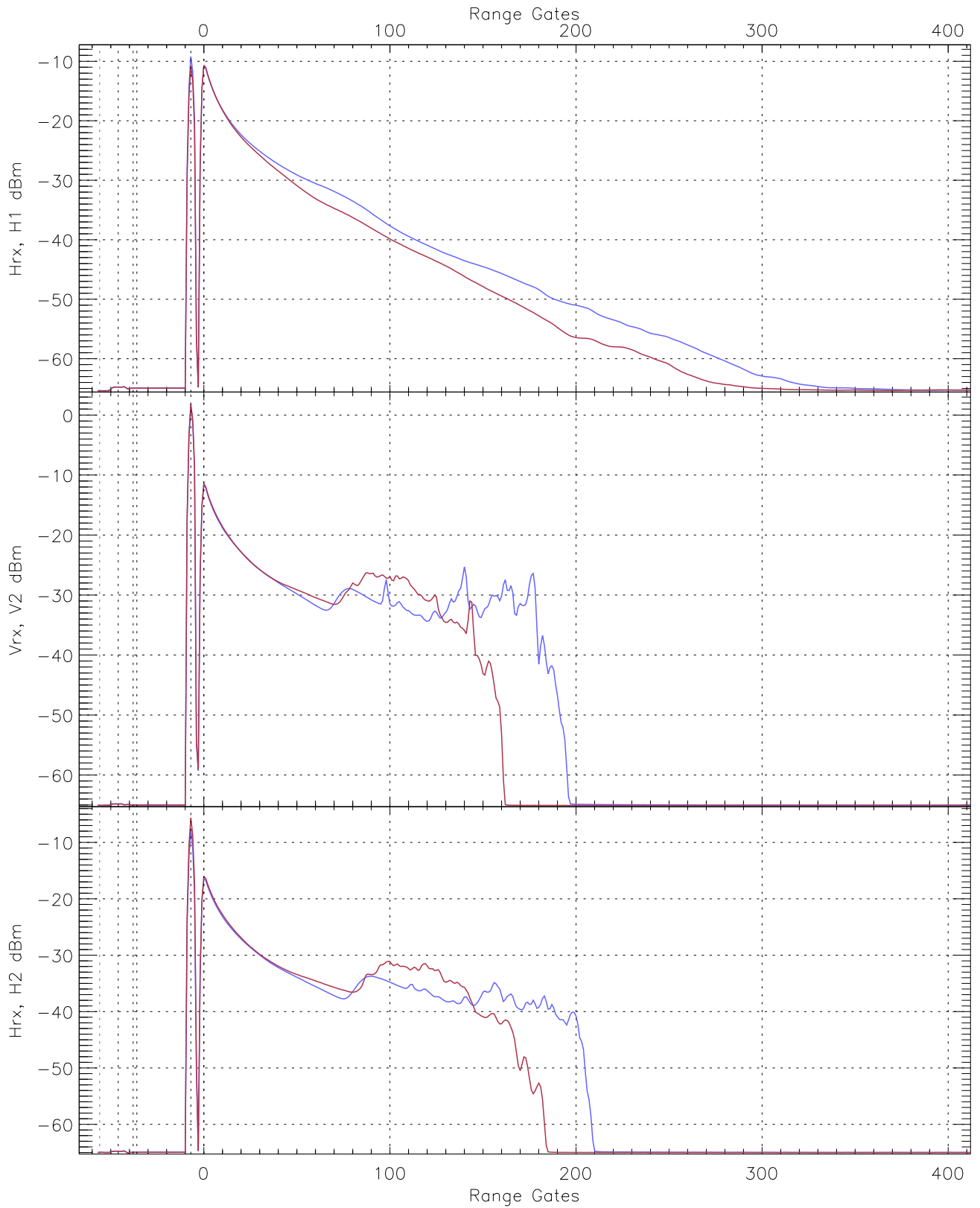
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.79 | -64.27 | -65.39 | -65.39 | -76.89 |
| Vrx, V2 (RM [dBm]) | -66.26 | -63.80 | -65.06 | -65.07 | -76.57 |
| Hrx, H2 (RM [dBm]) | -66.18 | -63.88 | -64.97 | -64.97 | -76.45 |

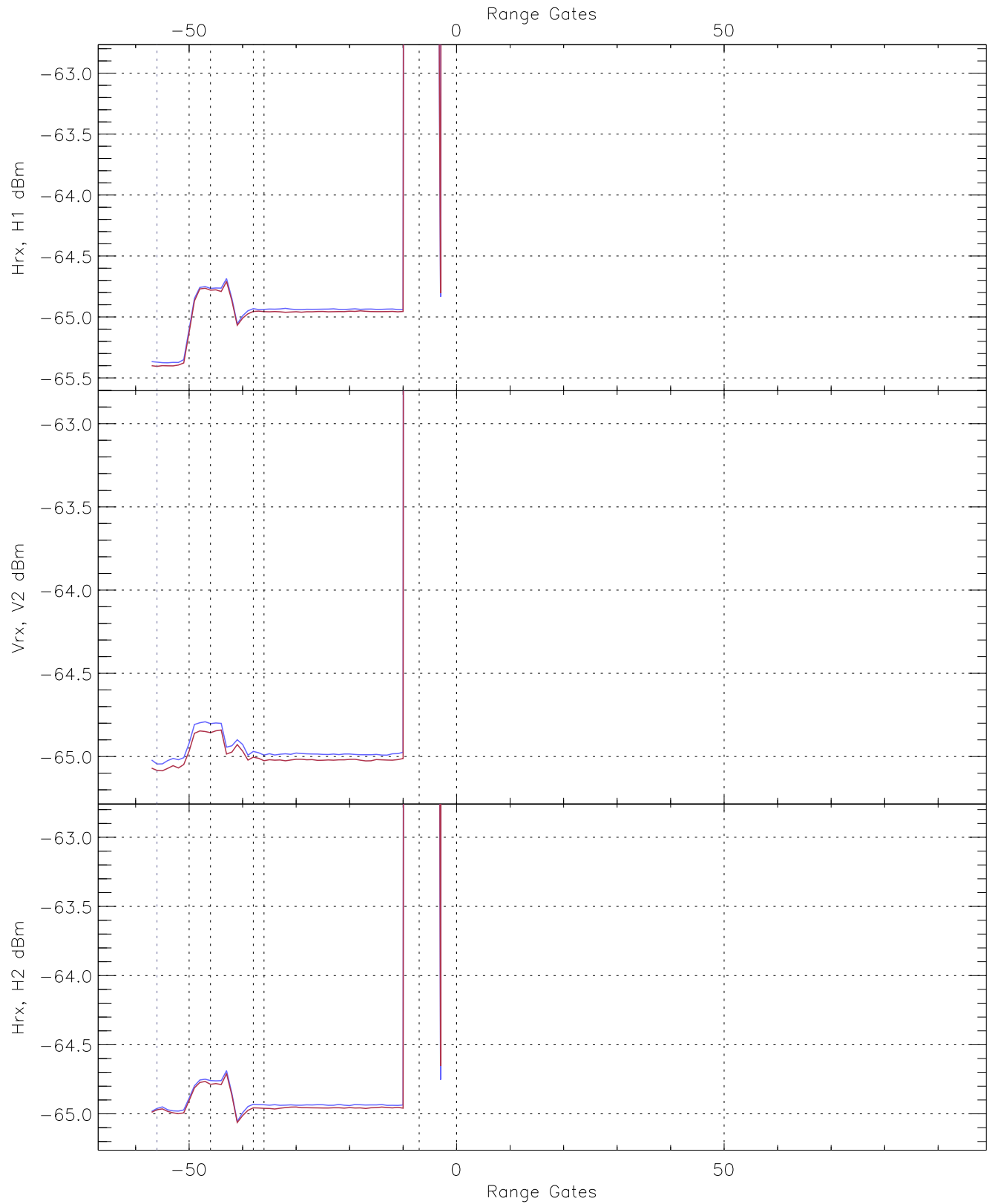


WCR3 CPP "Best" estimate Receivers Noise Power

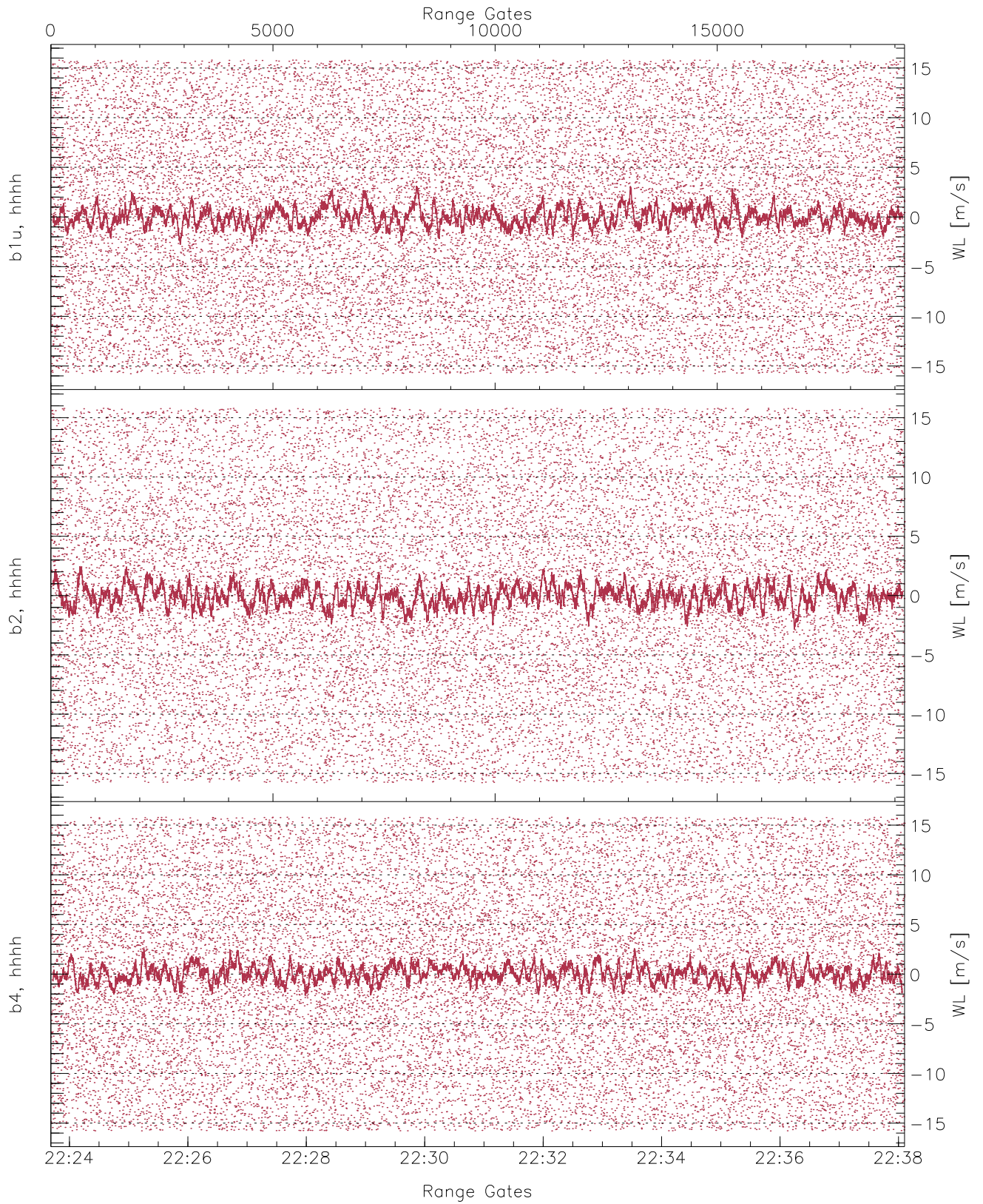
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG384_0 [dBm] | -67.12 | -64.10 | -65.39 | -65.40 | -76.78 |
| V2RG324_0 [dBm] | -66.36 | -63.93 | -65.06 | -65.07 | -76.56 |
| H2RG391_0 [dBm] | -66.31 | -63.88 | -64.99 | -65.00 | -76.47 |



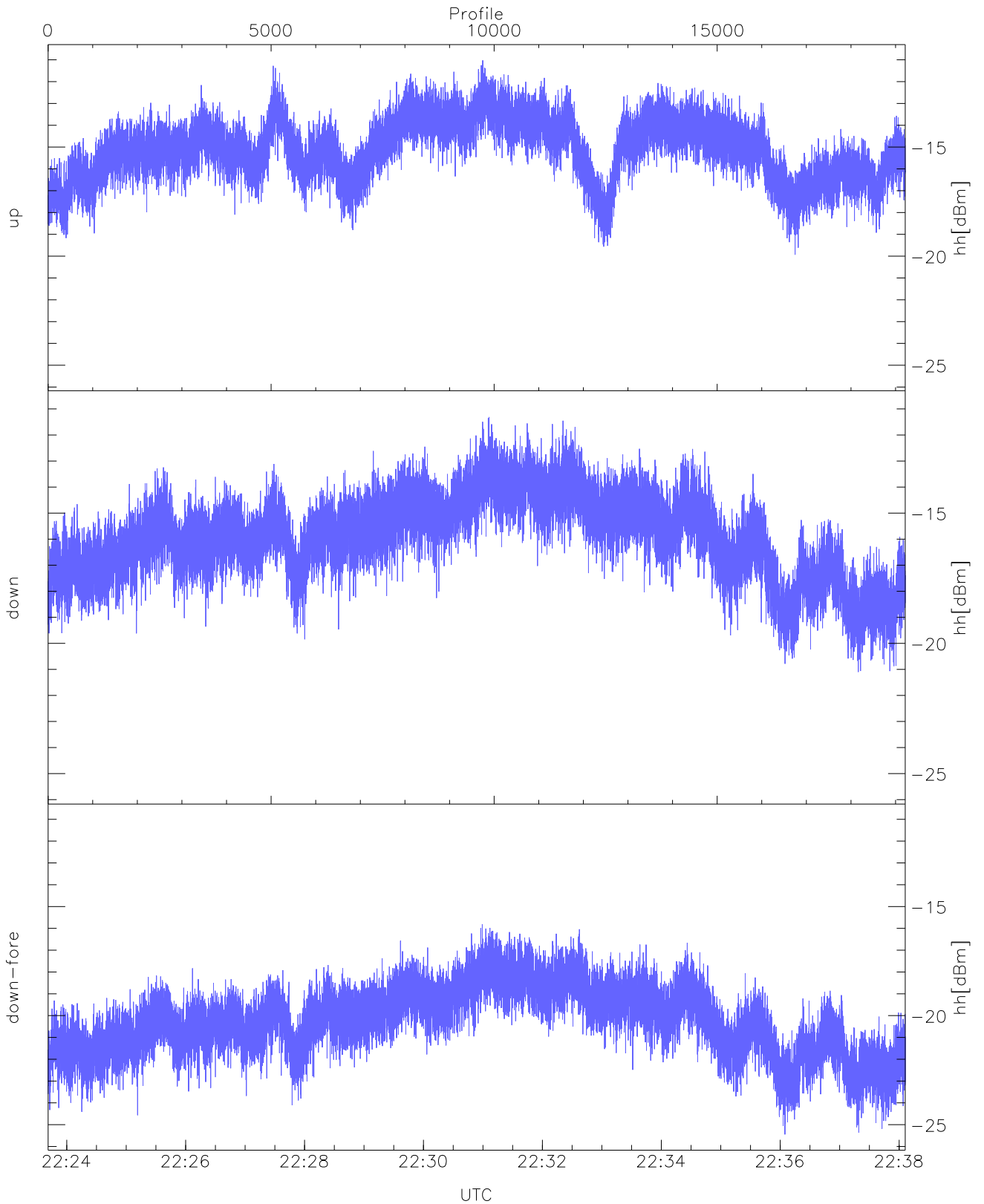
WCR3 CPP Averaged Received power for all recorded gates
blue: 222341-223054, 9610 profiles averaged
red: 223054-223806, 9609 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 222341-223054, 9610 profiles averaged
red: 223054-223806, 9609 profiles averaged

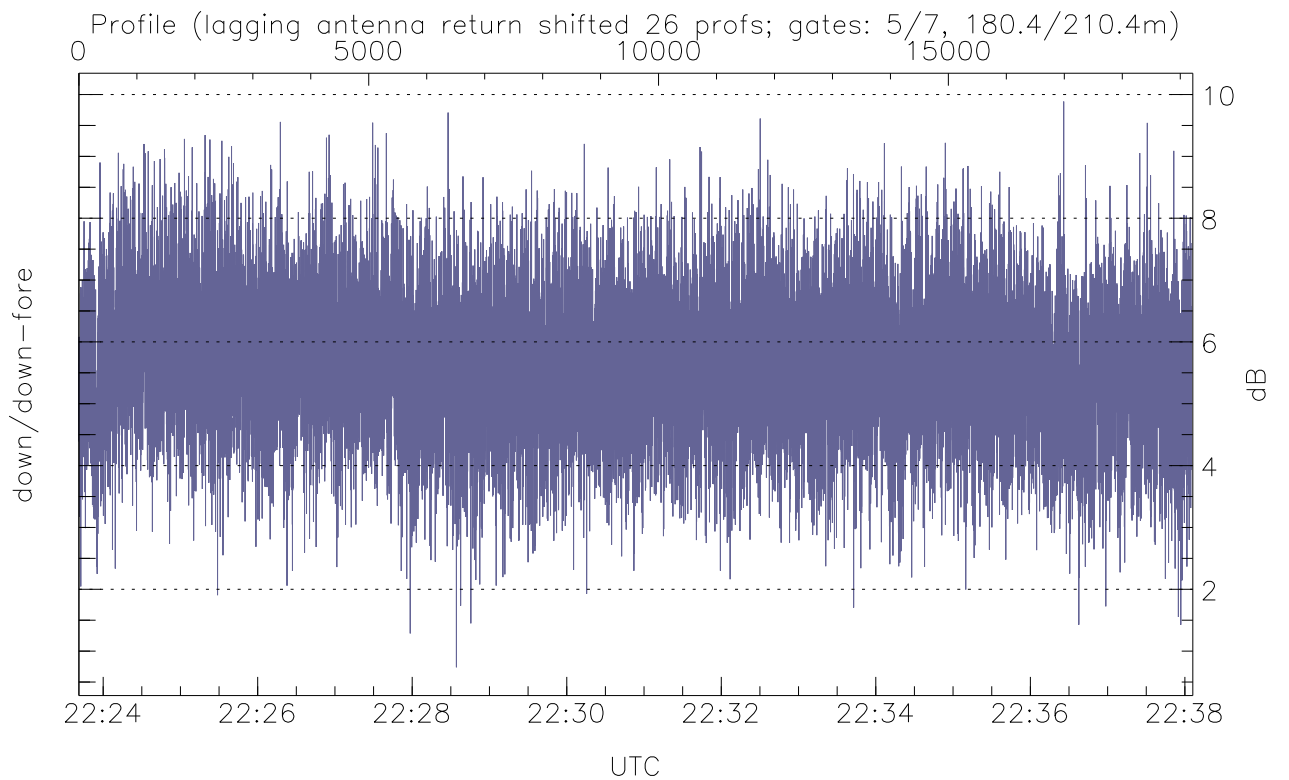
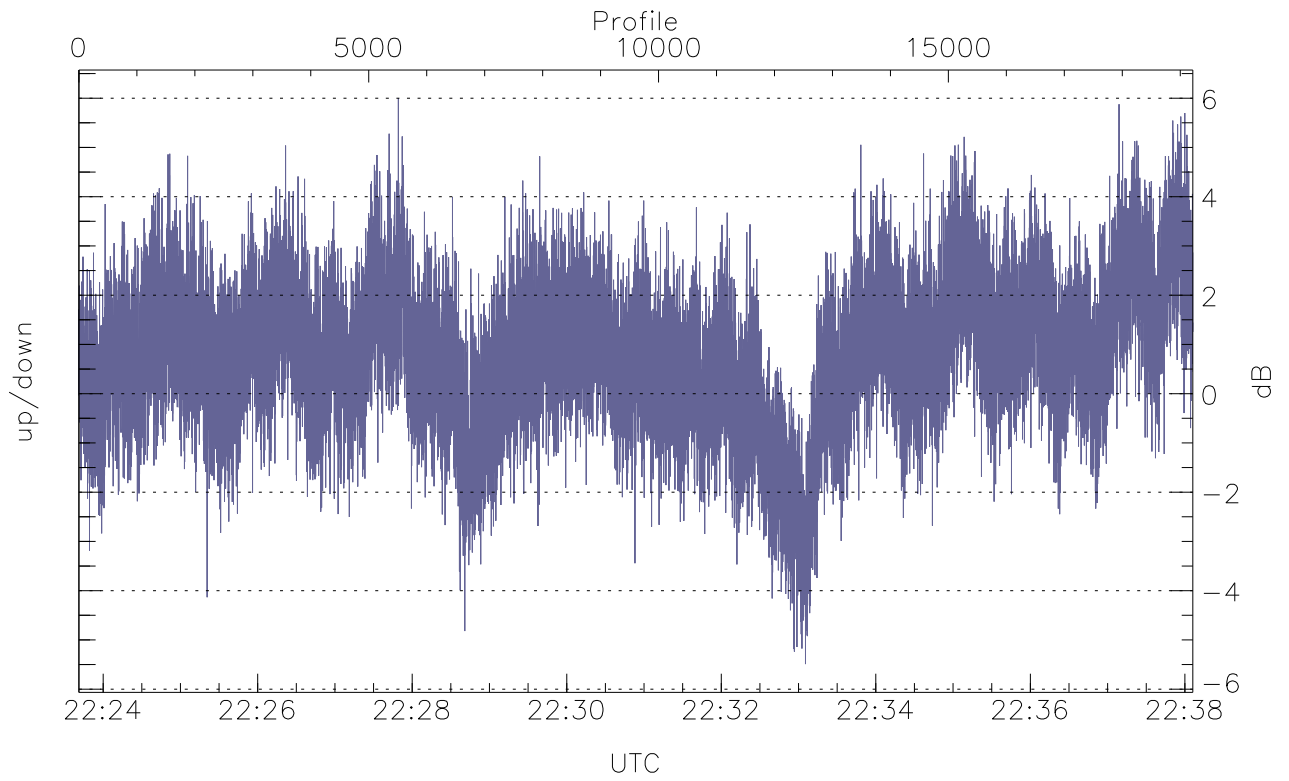


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



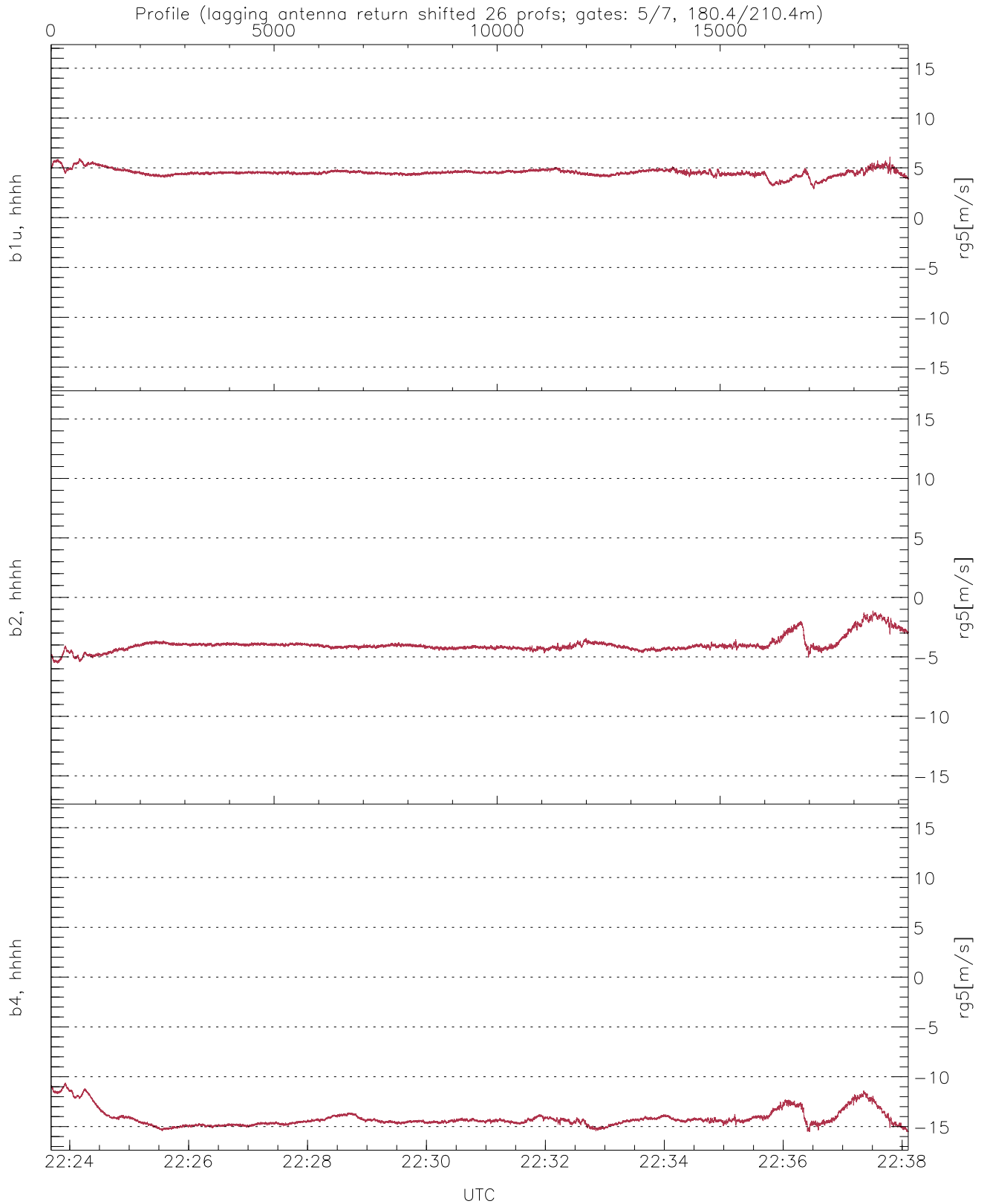
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -19.94 | -11.02 | -14.91 |
| down(hh[dBm]) | -21.10 | -11.31 | -15.65 |
| down-fore(hh[dBm]) | -25.45 | -15.81 | -19.99 |



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

| | Min | Max | Mean |
|---------------------|-------|------|------|
| up/down (dB) | -5.49 | 6.00 | 0.80 |
| down/down-fore (dB) | 0.74 | 9.89 | 5.64 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|--------|--------|-------|
| b1u, hhhh(rg5[m/s]) | 2.88 | 6.10 | 4.53 | 0.37 |
| b2, hhhh(rg5[m/s]) | -5.55 | -1.12 | -3.98 | 0.64 |
| b4, hhhh(rg5[m/s]) | -15.54 | -10.63 | -14.17 | 0.87 |