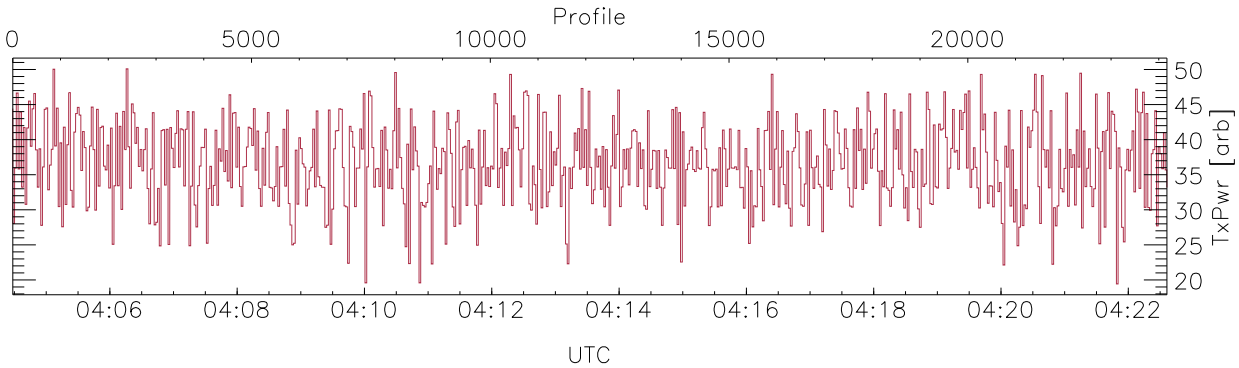
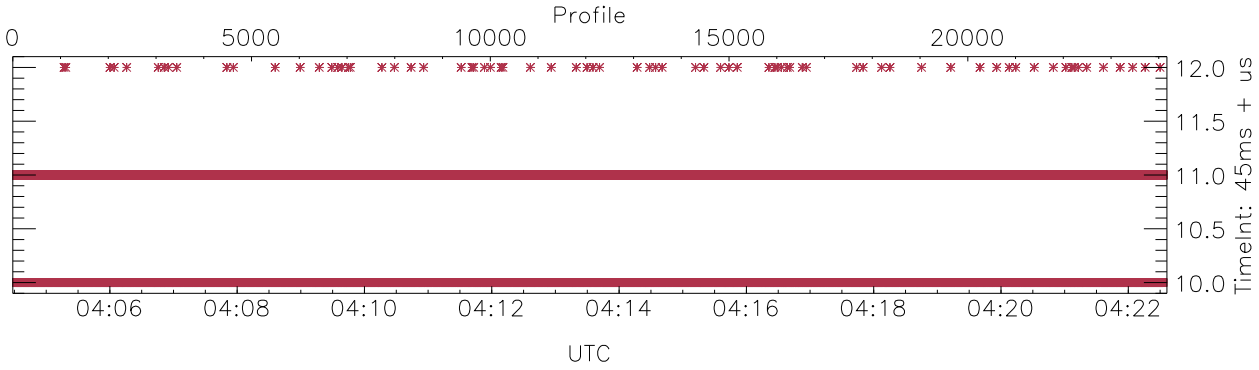
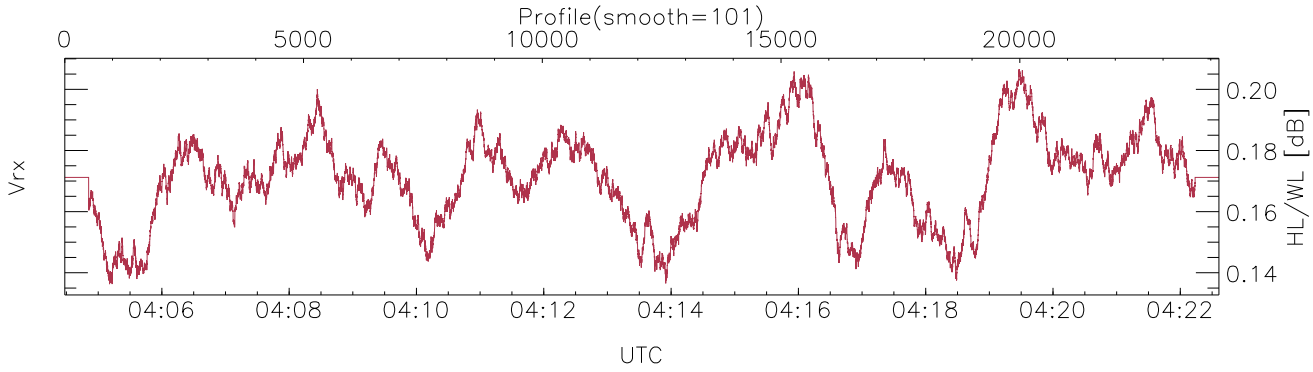
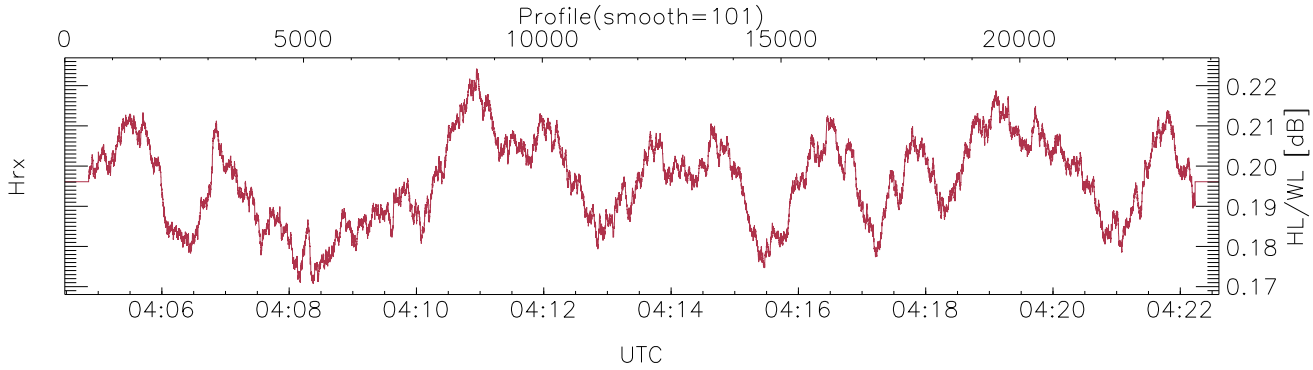


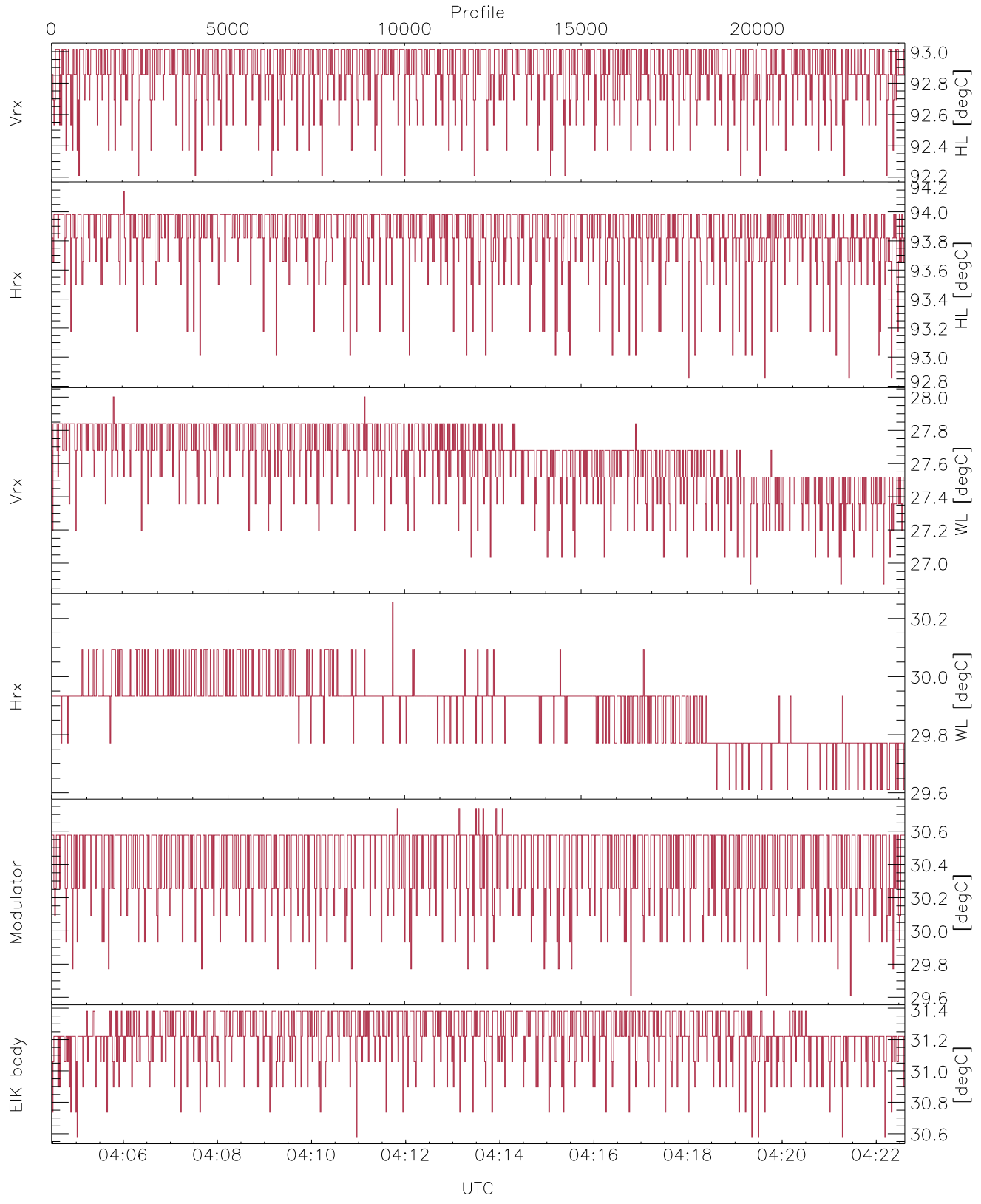



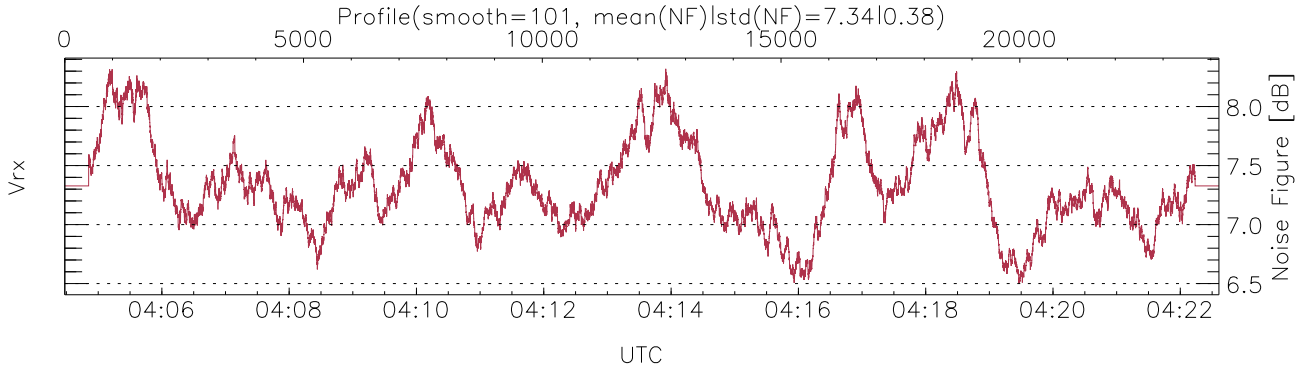

WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

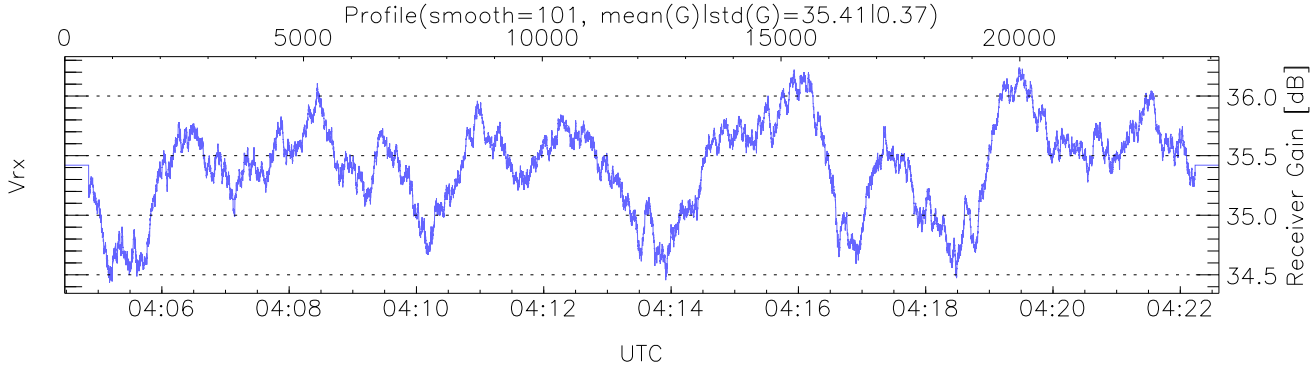
UTC: 04:04:28-04:22:36, TimeCor: 0.00s, Dur: 1087.97s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 24172/24172, 0-24171/04:04:28-04:22:36
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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|sideluplerror): 1

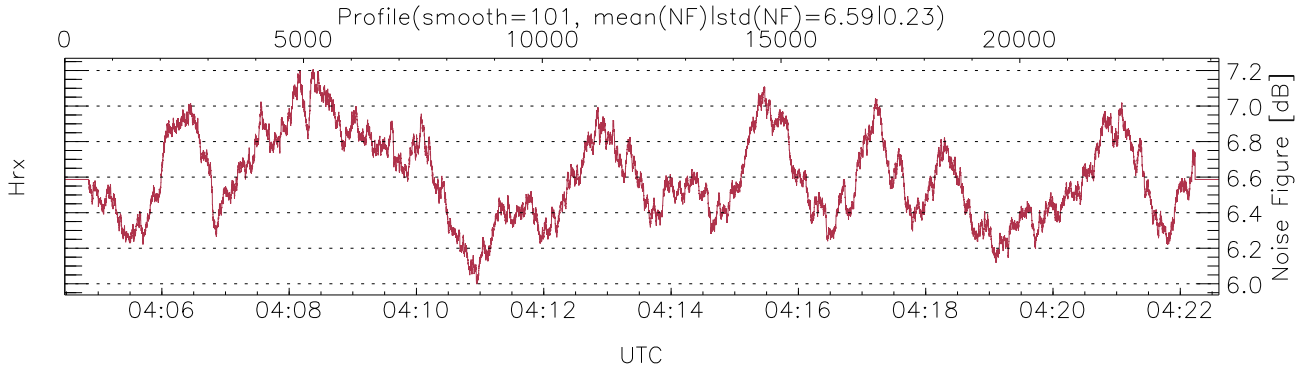


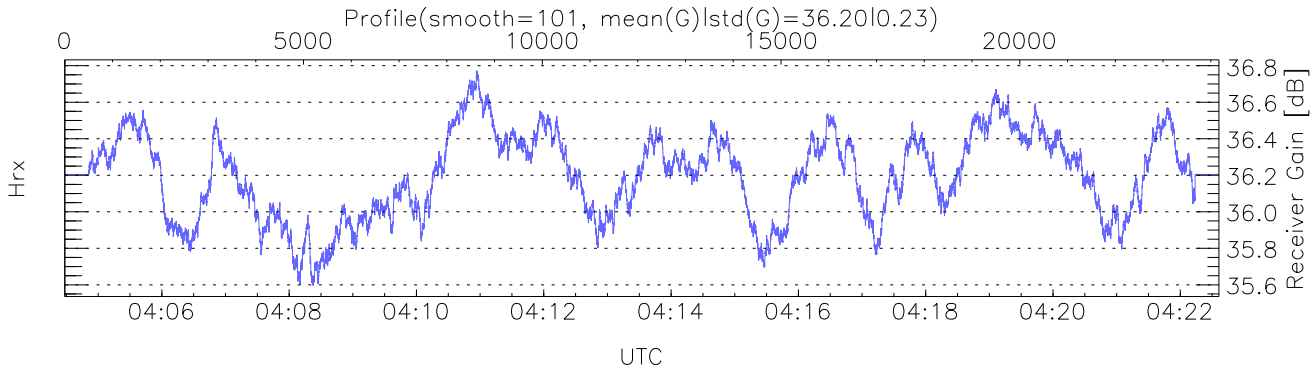

WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,26,29,29,30
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,28,30,30,31
LOalarm(20,240,2817,14861 MHz): 0,0,22,0
EIK/Modulator Faults: None



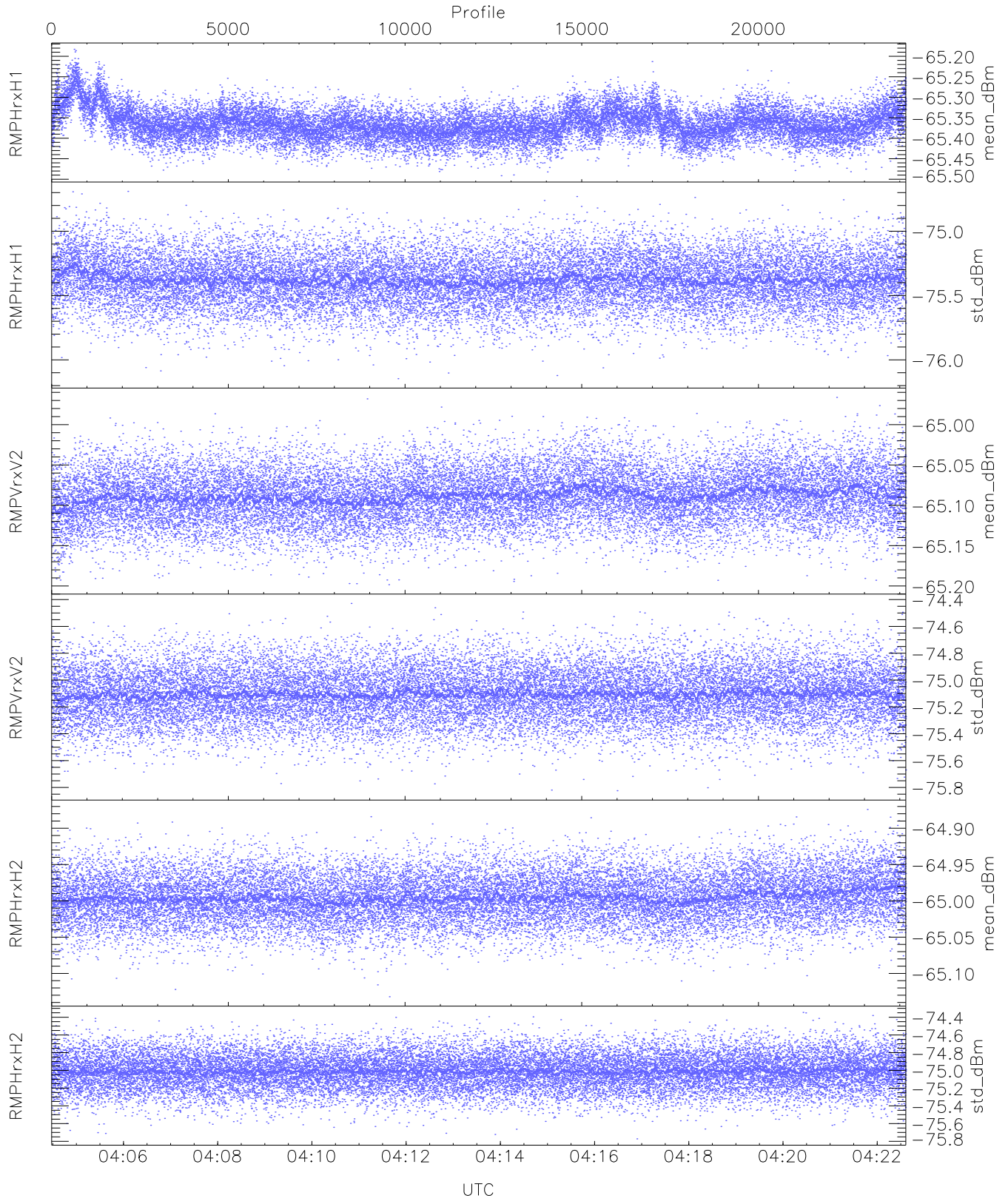



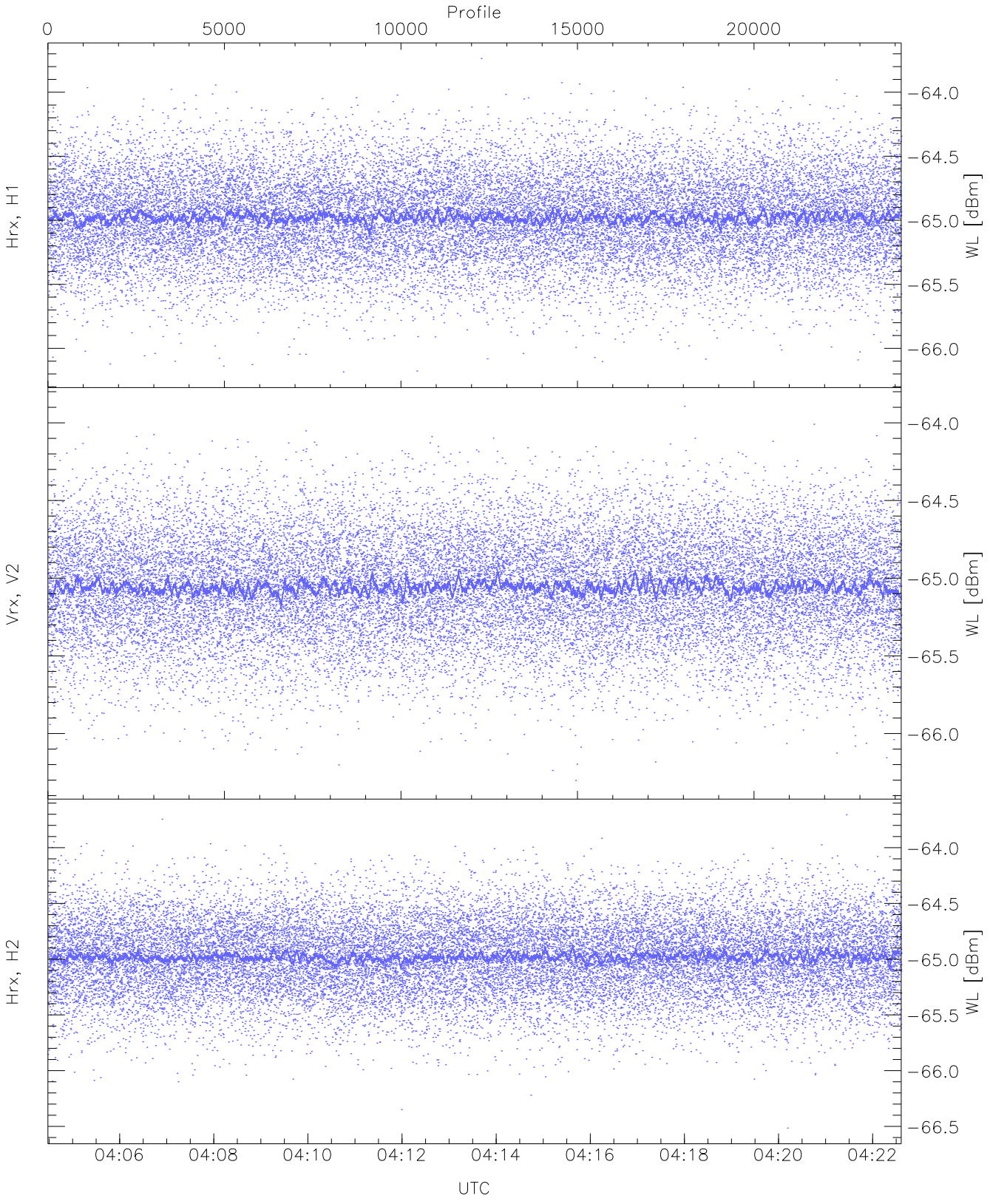

WCR3 CPP Receivers Gain and Noise Figure

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



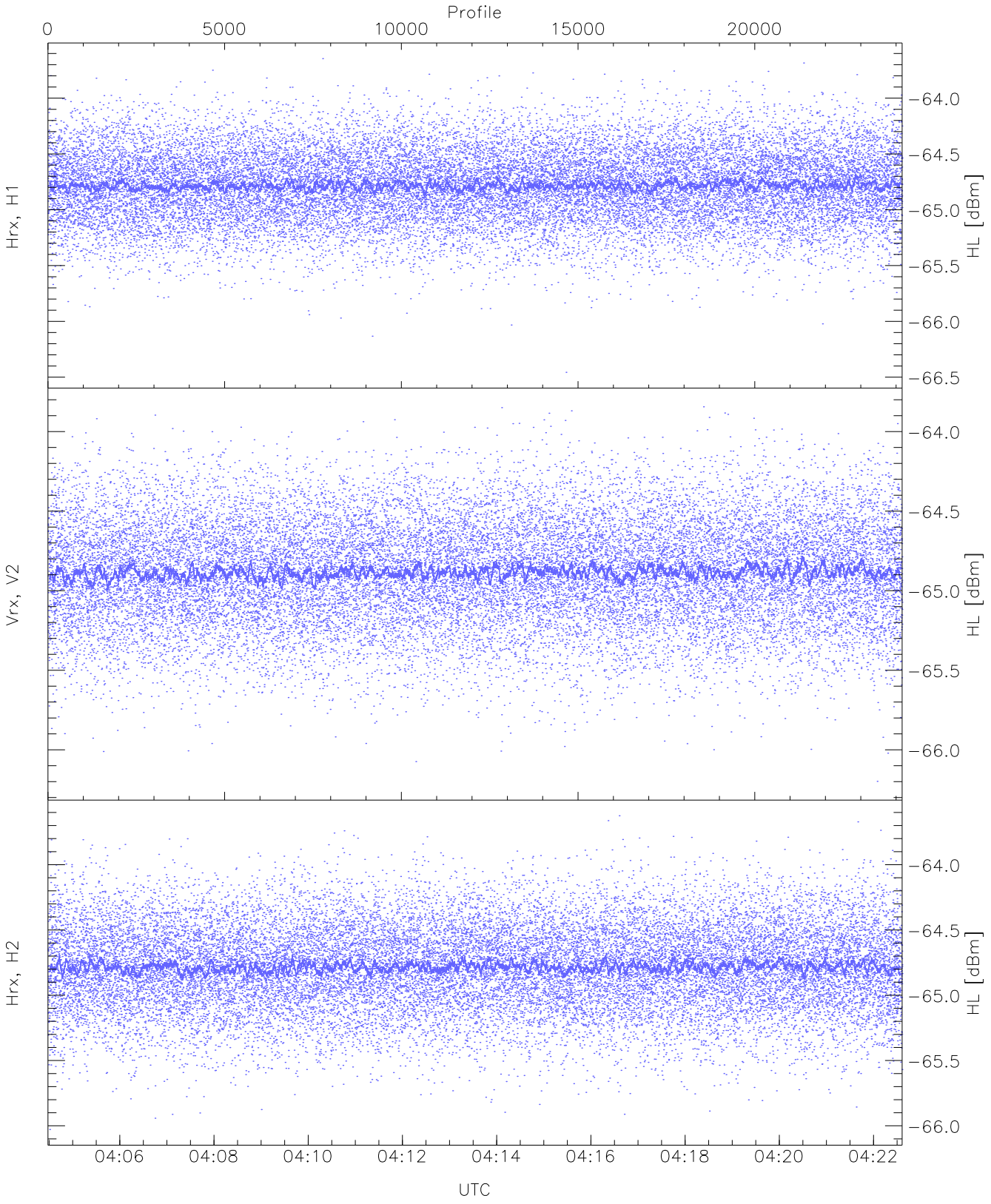

WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| RMPHrxH1(mean_dBm) | -65.49 | -65.18 | -65.36 | -65.37 | -85.97 |
| RMPHrxH1(std_dBm) | -76.15 | -74.69 | -75.38 | -75.38 | -89.16 |
| RMPVrxV2(mean_dBm) | -65.20 | -64.97 | -65.09 | -65.09 | -86.62 |
| RMPVrxV2(std_dBm) | -75.82 | -74.43 | -75.11 | -75.11 | -88.92 |
| RMPHrxH2(mean_dBm) | -65.13 | -64.87 | -65.00 | -65.00 | -86.52 |
| RMPHrxH2(std_dBm) | -75.77 | -74.35 | -75.01 | -75.01 | -88.78 |



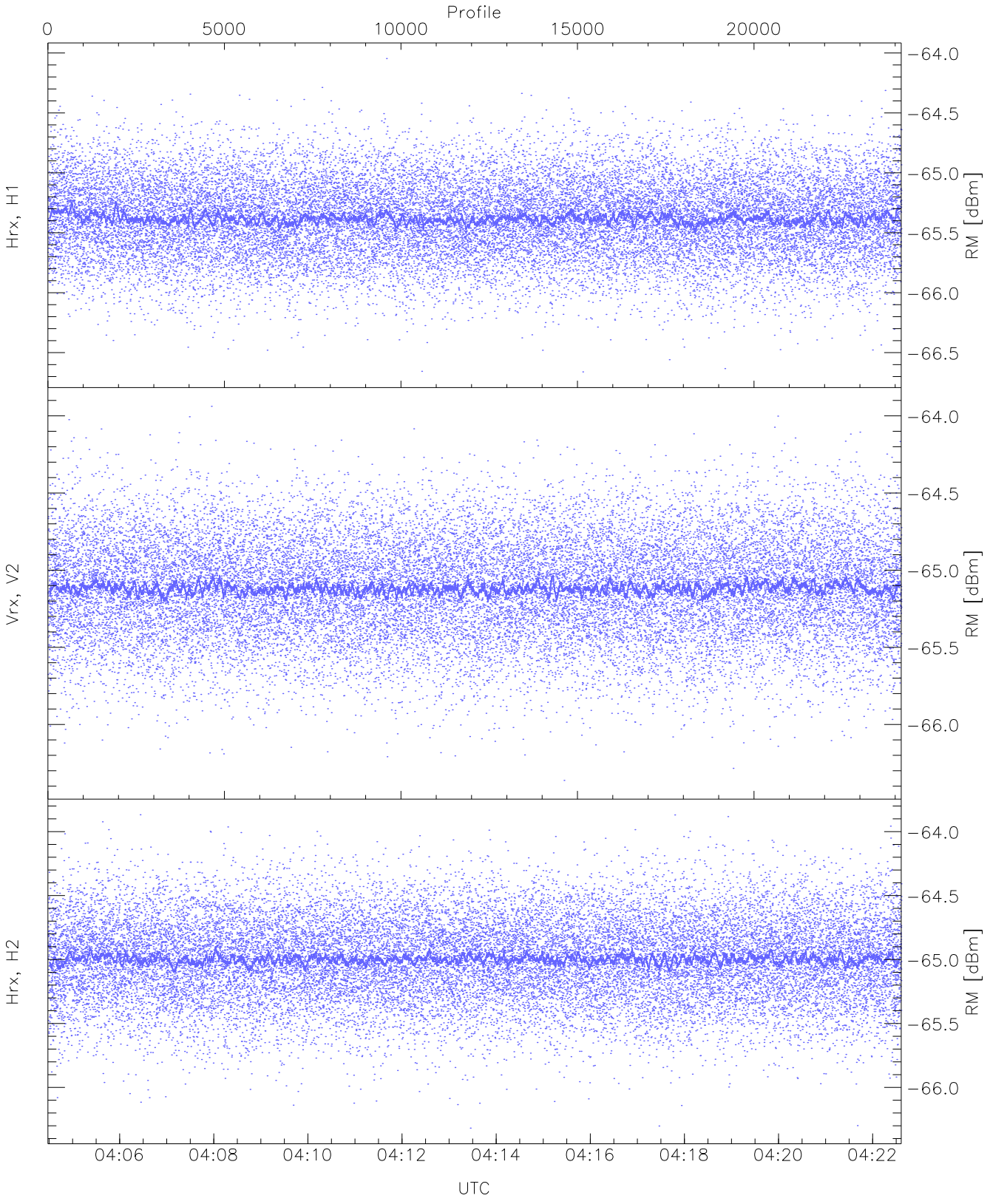

WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -66.18 | -63.74 | -64.97 | -64.98 | -76.47 |
| Vrx, V2(WL [dBm]) | -66.30 | -63.89 | -65.05 | -65.06 | -76.55 |
| Hrx, H2(WL [dBm]) | -66.52 | -63.70 | -64.97 | -64.98 | -76.41 |



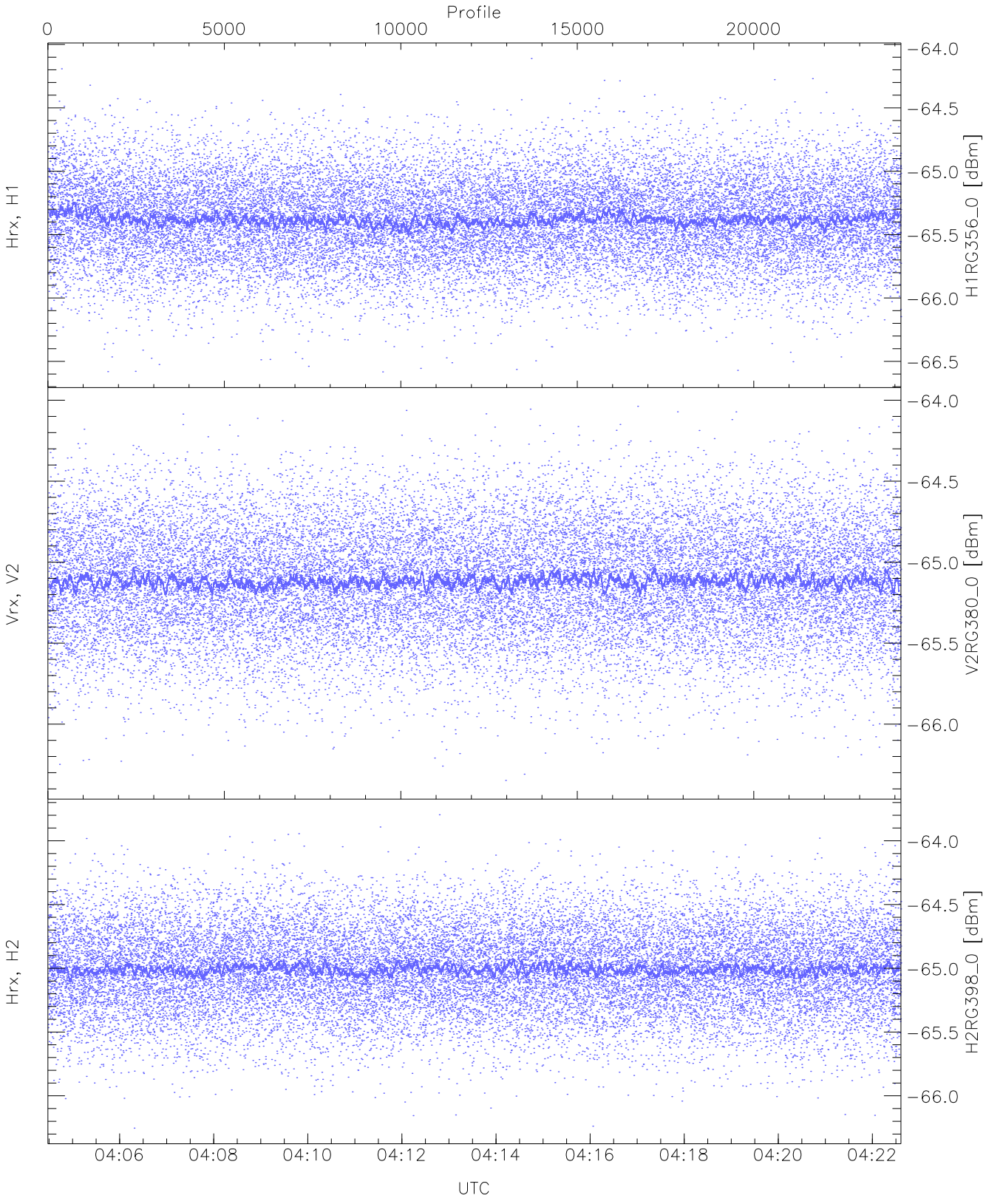

WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -66.46 | -63.65 | -64.78 | -64.78 | -76.31 |
| Vrx, V2(HL [dBm]) | -66.20 | -63.84 | -64.88 | -64.89 | -76.39 |
| Hrx, H2(HL [dBm]) | -66.03 | -63.63 | -64.78 | -64.78 | -76.27 |



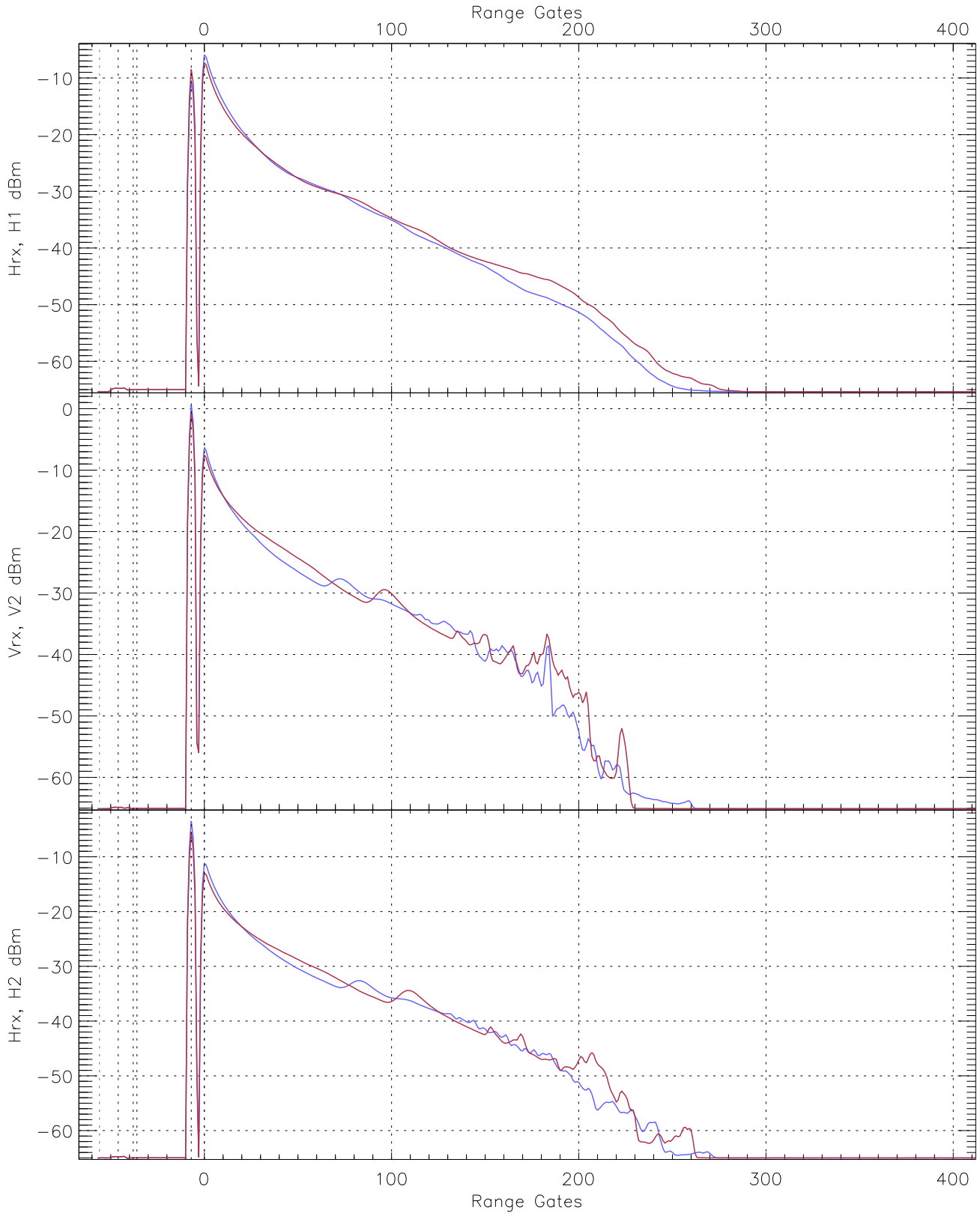

WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -66.66 | -64.05 | -65.37 | -65.38 | -76.87 |
| Vrx, V2(RM [dBm]) | -66.36 | -63.94 | -65.11 | -65.12 | -76.62 |
| Hrx, H2(RM [dBm]) | -66.32 | -63.87 | -64.99 | -65.00 | -76.48 |

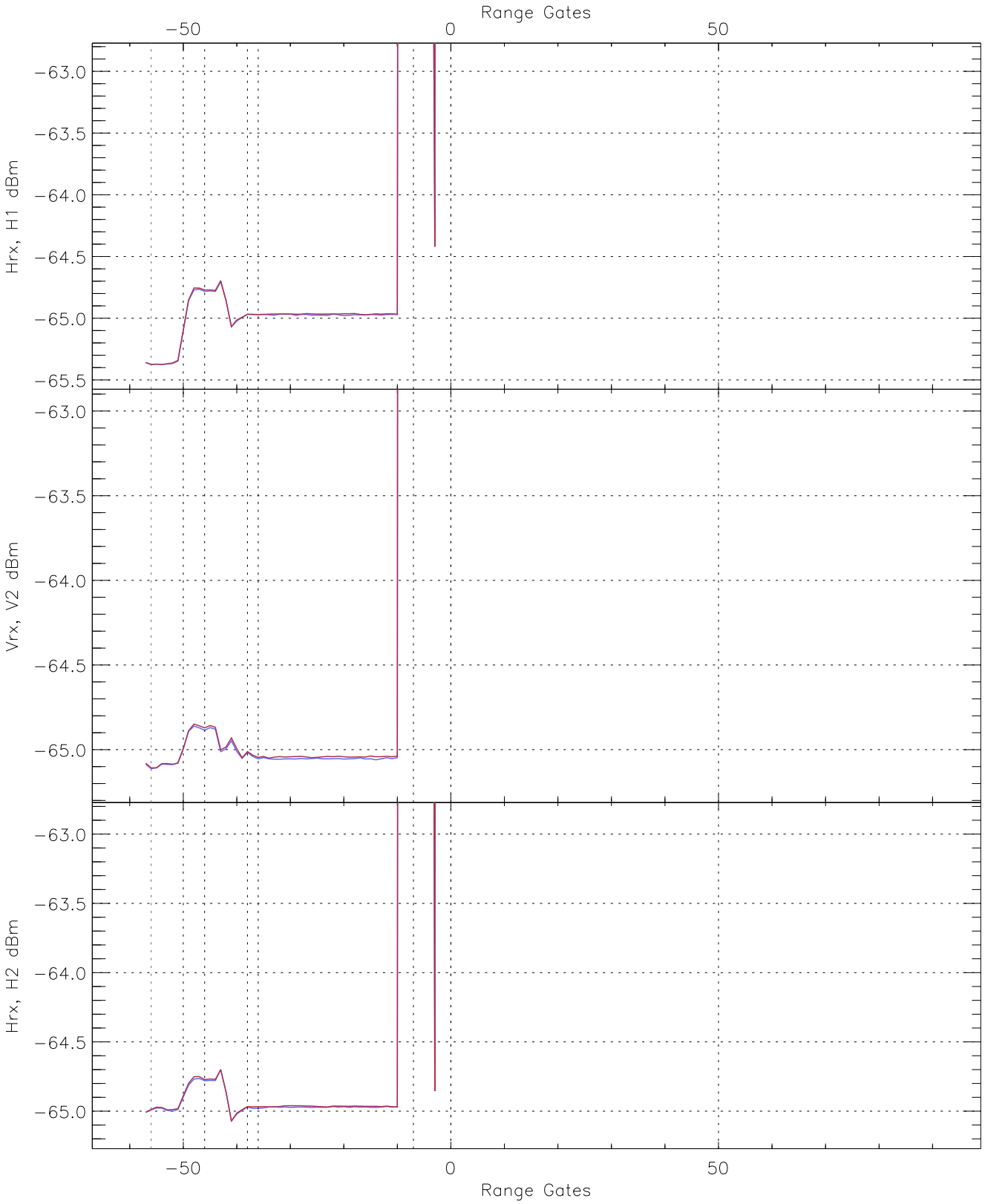



WCR3 CPP "Best" estimate Receivers Noise Power

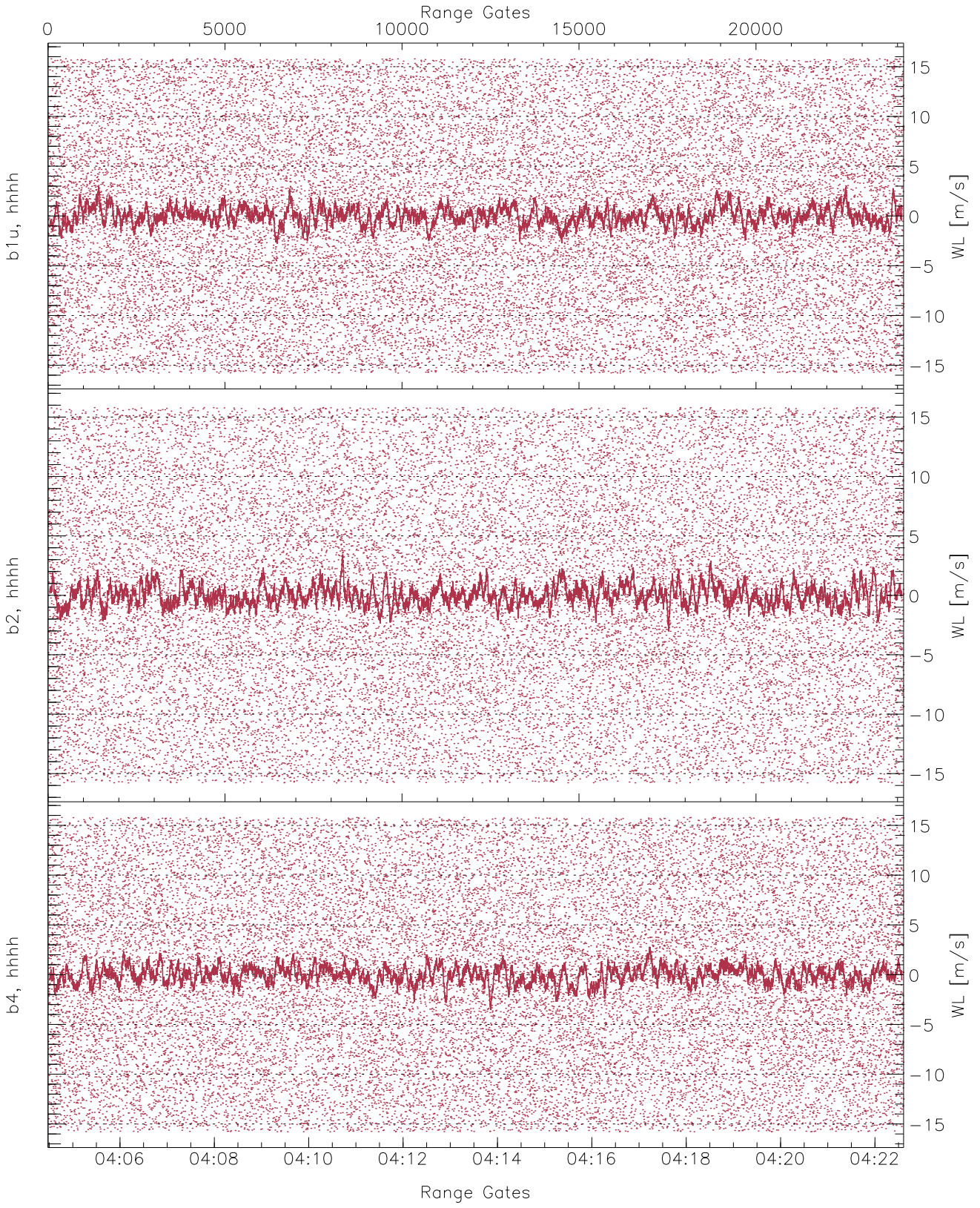
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG356_0 [dBm] | -66.58 | -64.11 | -65.37 | -65.38 | -76.87 |
| V2RG380_0 [dBm] | -66.35 | -64.04 | -65.11 | -65.12 | -76.57 |
| H2RG398_0 [dBm] | -66.25 | -63.80 | -65.00 | -65.01 | -76.50 |



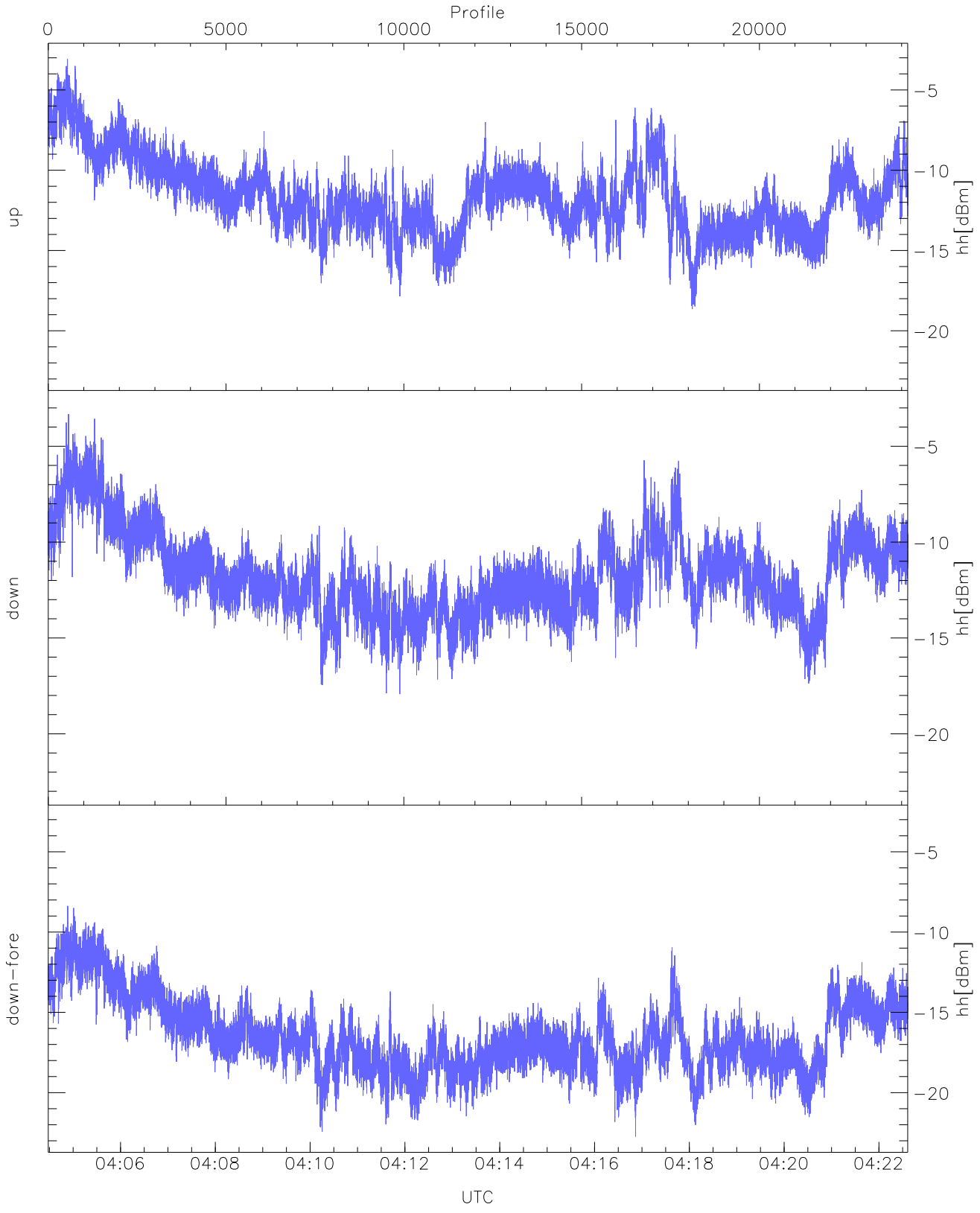

WCR3 CPP Averaged Received power for all recorded gates
blue: 040428-041332, 12087 profiles averaged
red: 041332-042236, 12086 profiles averaged




WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 040428-041332, 12087 profiles averaged
red: 041332-042236, 12086 profiles averaged

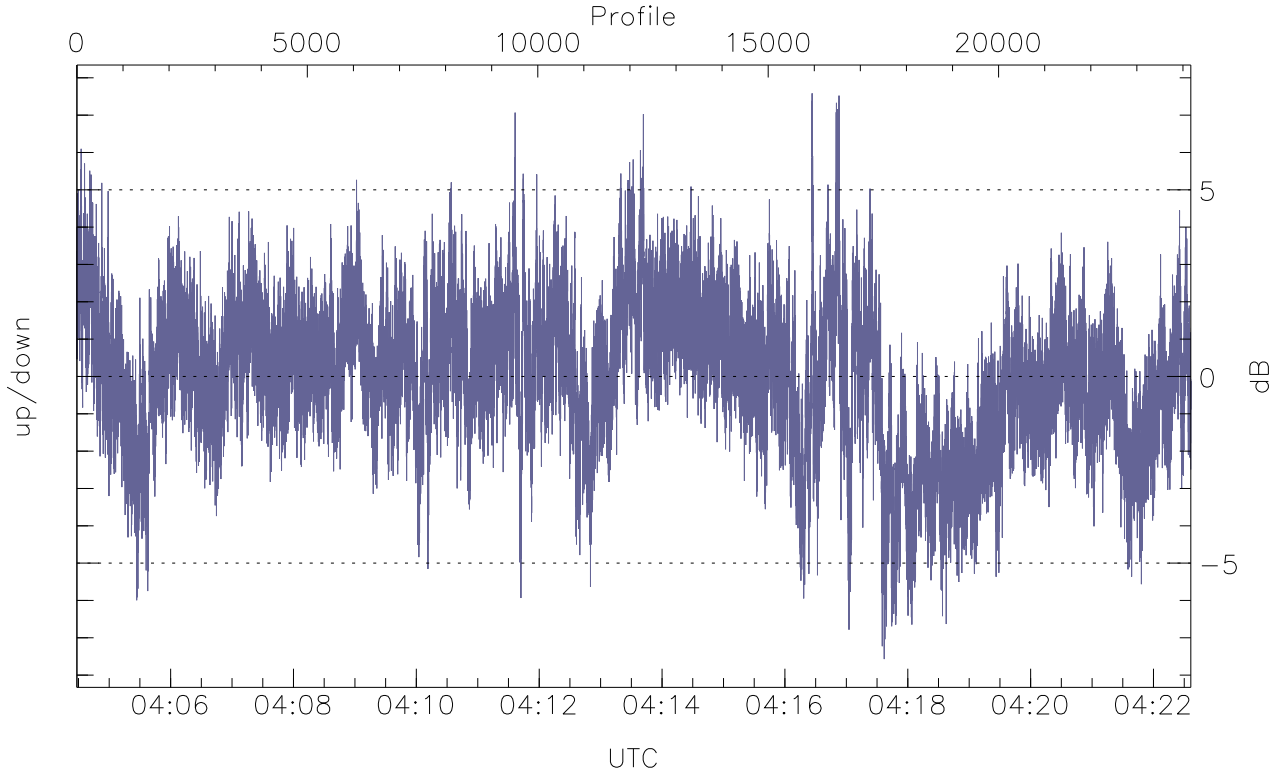


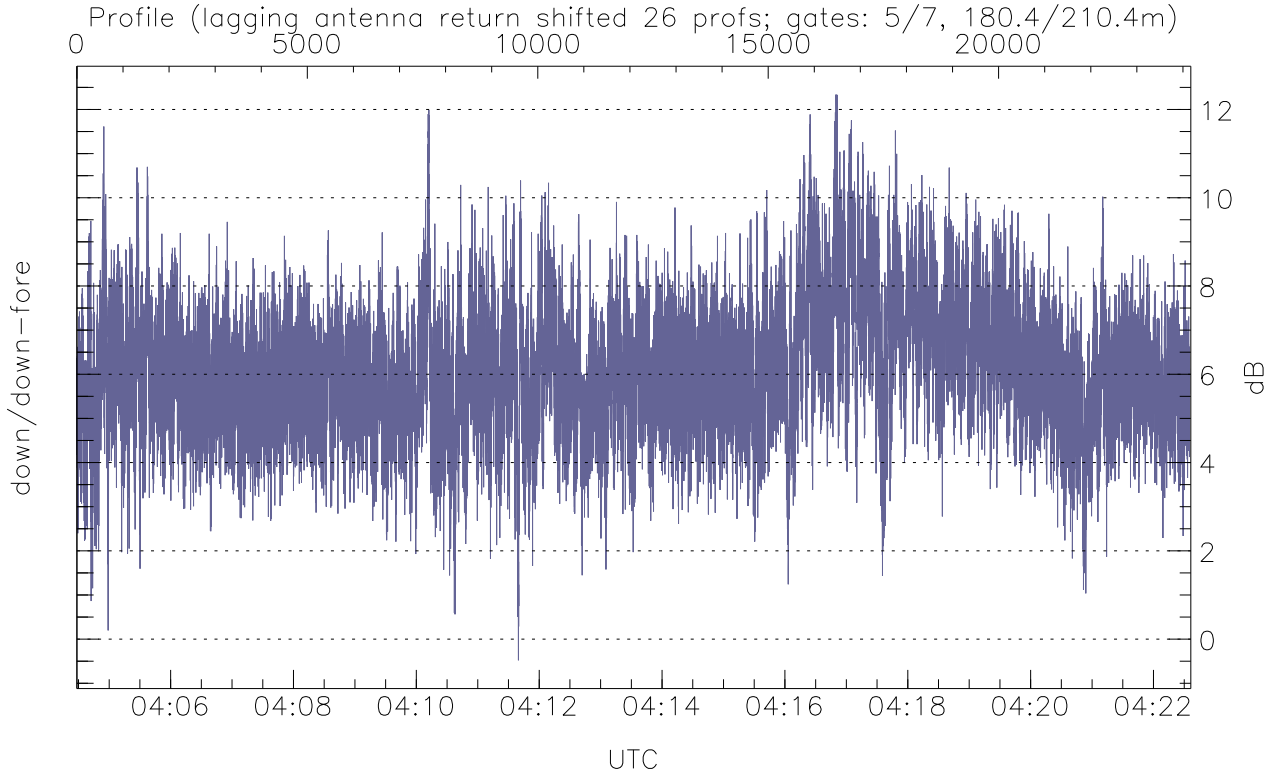

WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

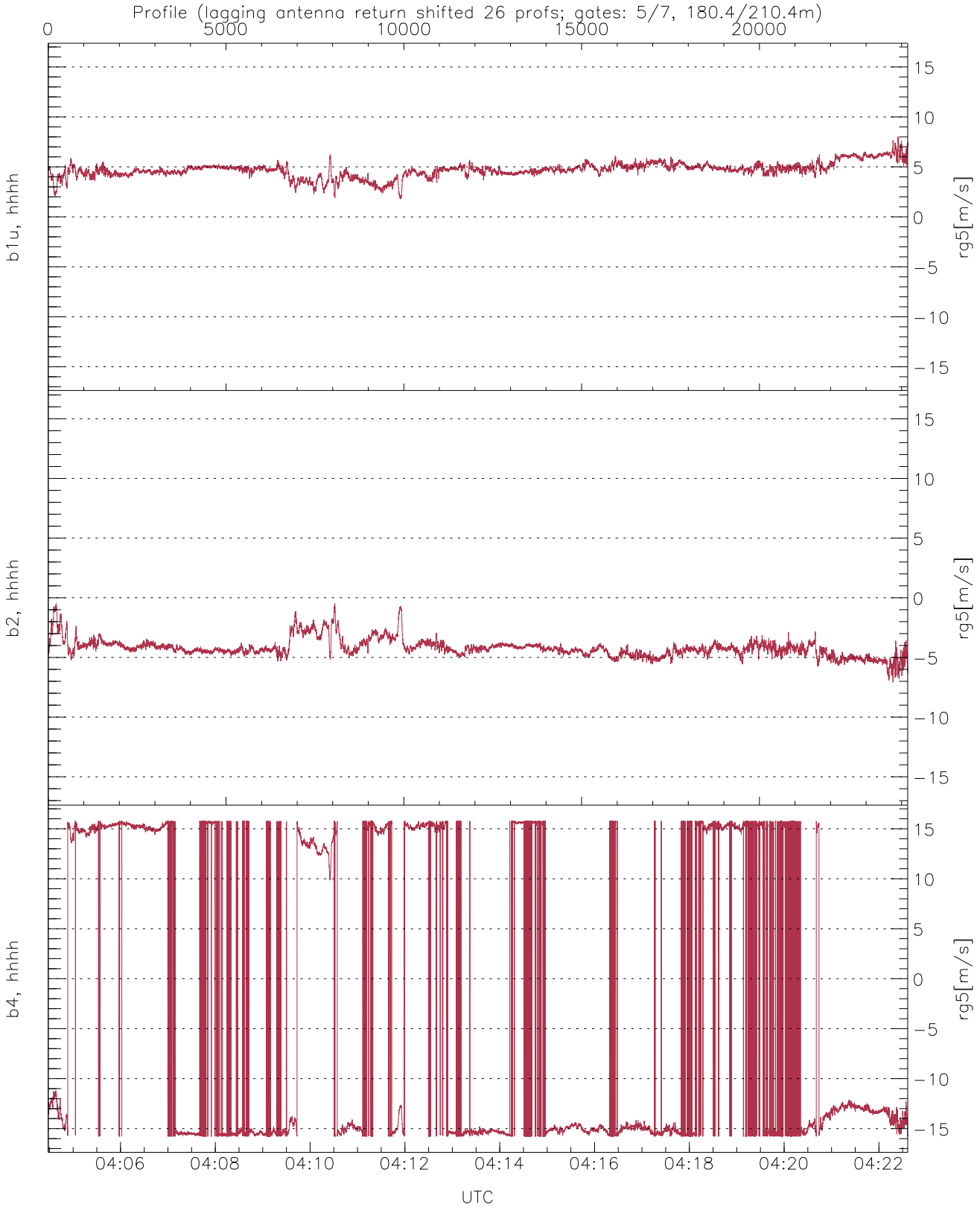
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -18.65 | -3.07 | -11.04 |
| down(hh[dBm]) | -17.93 | -3.32 | -11.14 |
| down-fore(hh[dBm]) | -22.74 | -8.37 | -15.88 |




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

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -7.57 | 7.58 | 0.05 |
| down/down-fore(dB) | -0.48 | 12.34 | 6.08 |




WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | 1.78 | 8.02 | 4.69 | 0.76 |
| b2, hhhh(rg5[m/s]) | -7.09 | -0.45 | -4.20 | 0.76 |
| b4, hhhh(rg5[m/s]) | -15.79 | 15.79 | -2.86 | 14.72 |