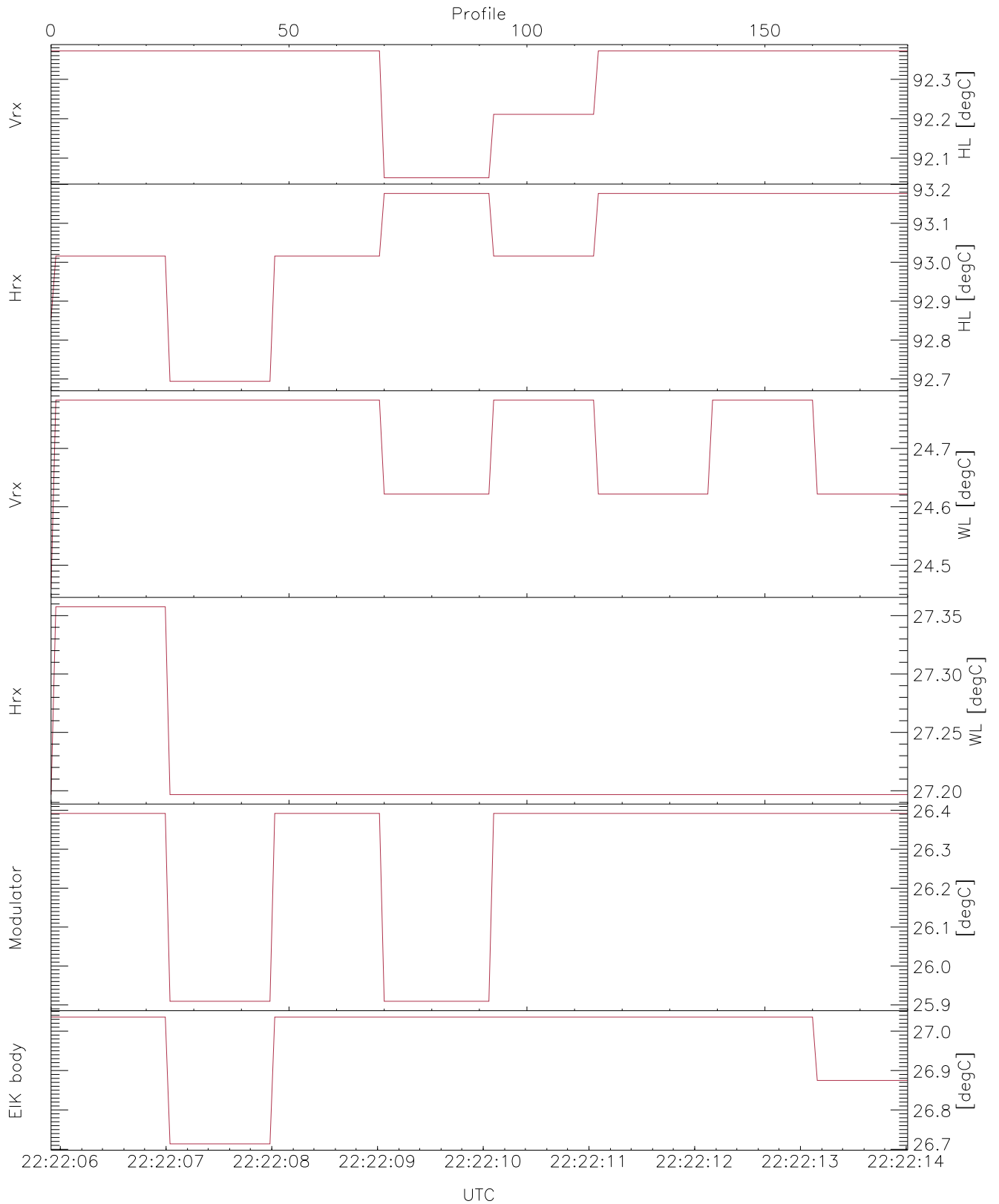


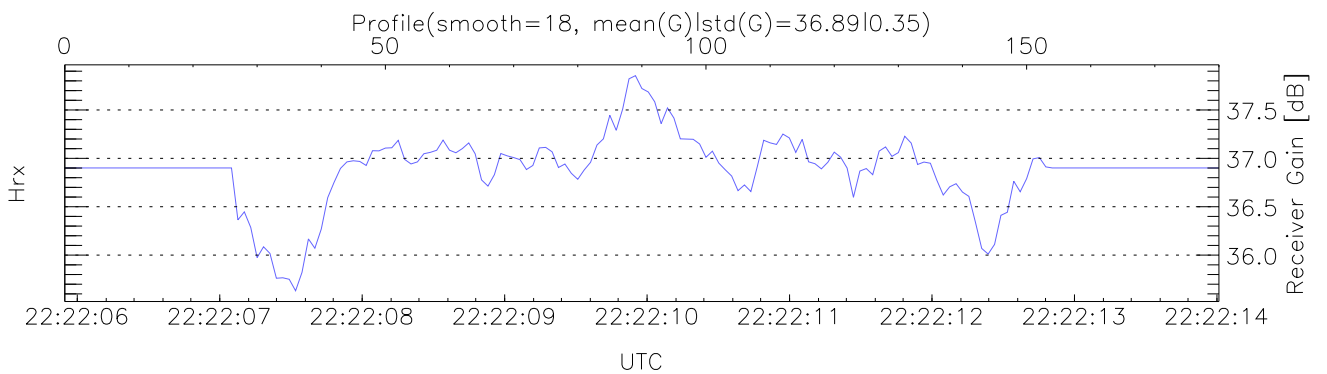
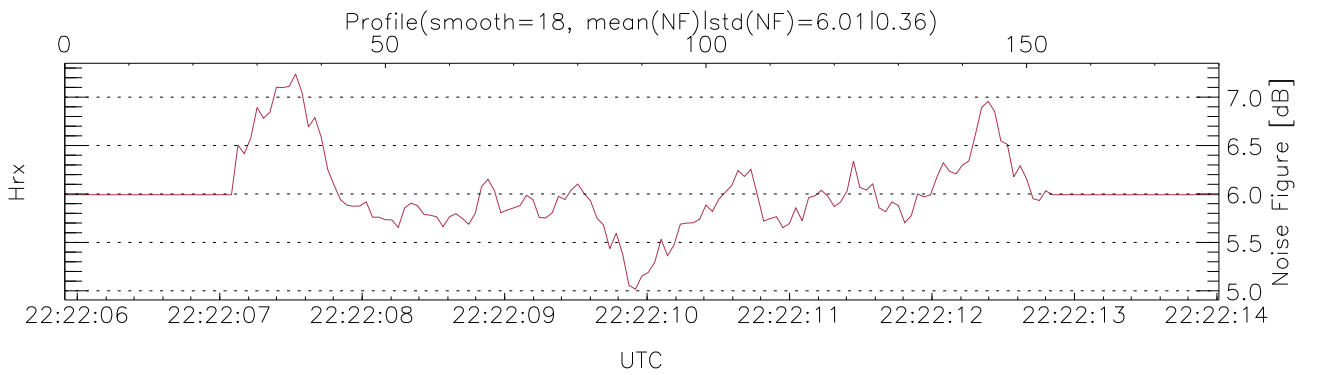
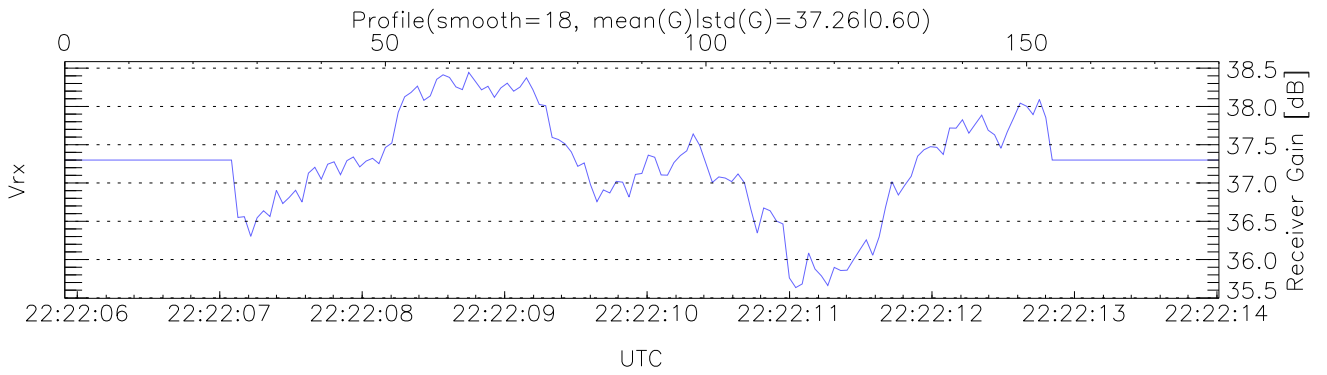
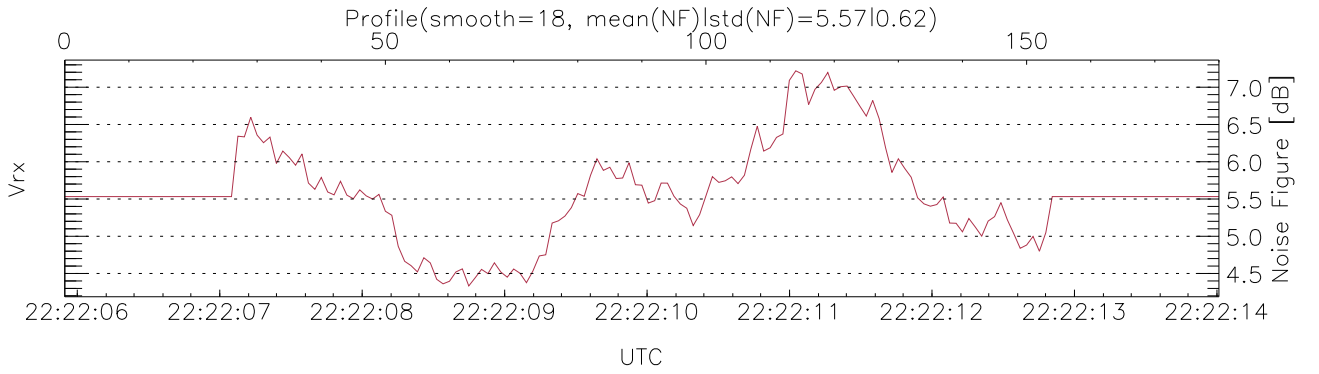
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:22:06-22:22:14, TimeCor: 0.00s, Dur: 8.10s
 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): 181/181, 0-180/22:22:06-22:22:14
 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



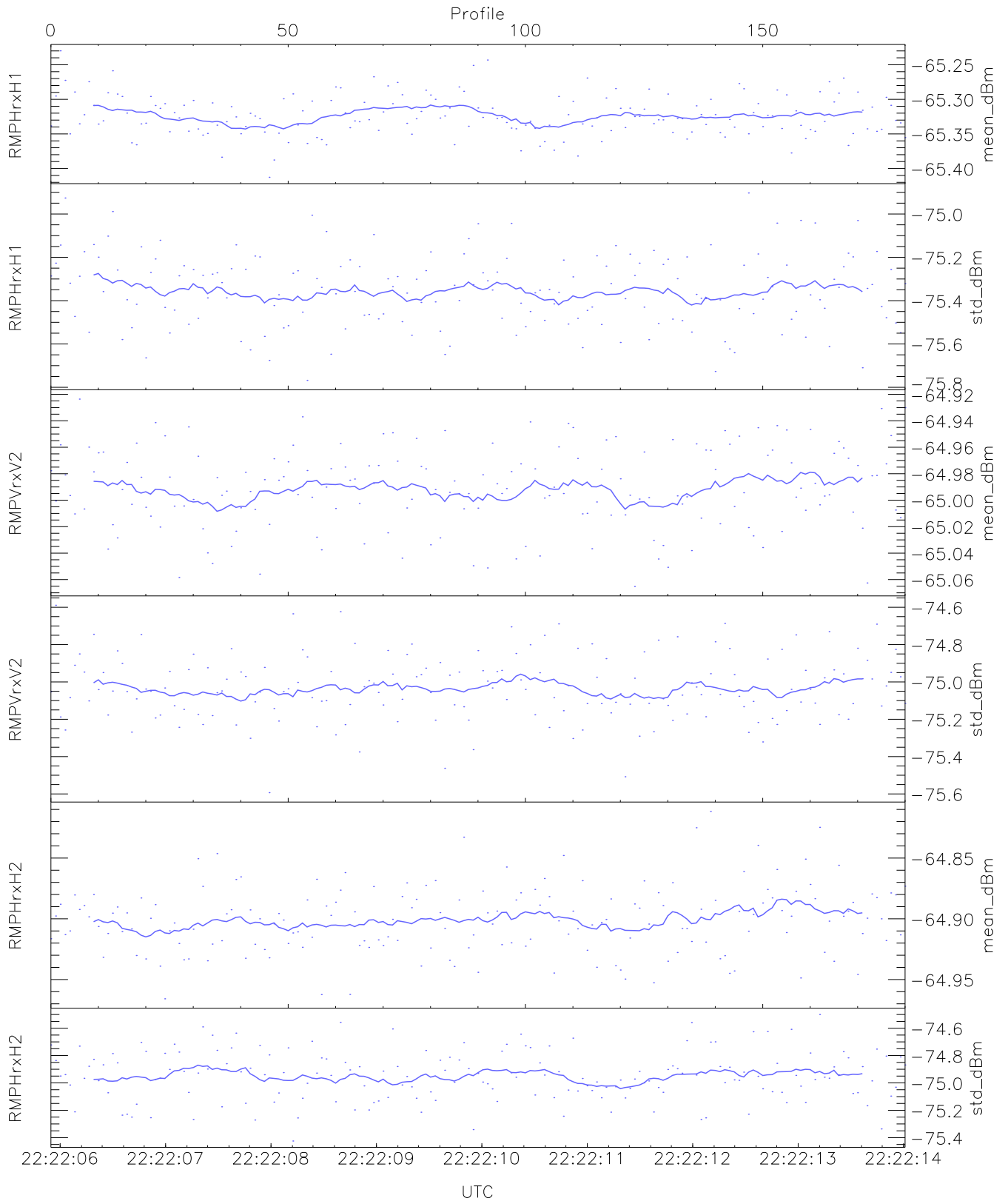
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,24,27,25,26
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,24,27,26,27
 LOalarm(20,240,2817,14861 MHz): None
 EIK/Modulator Faults: None



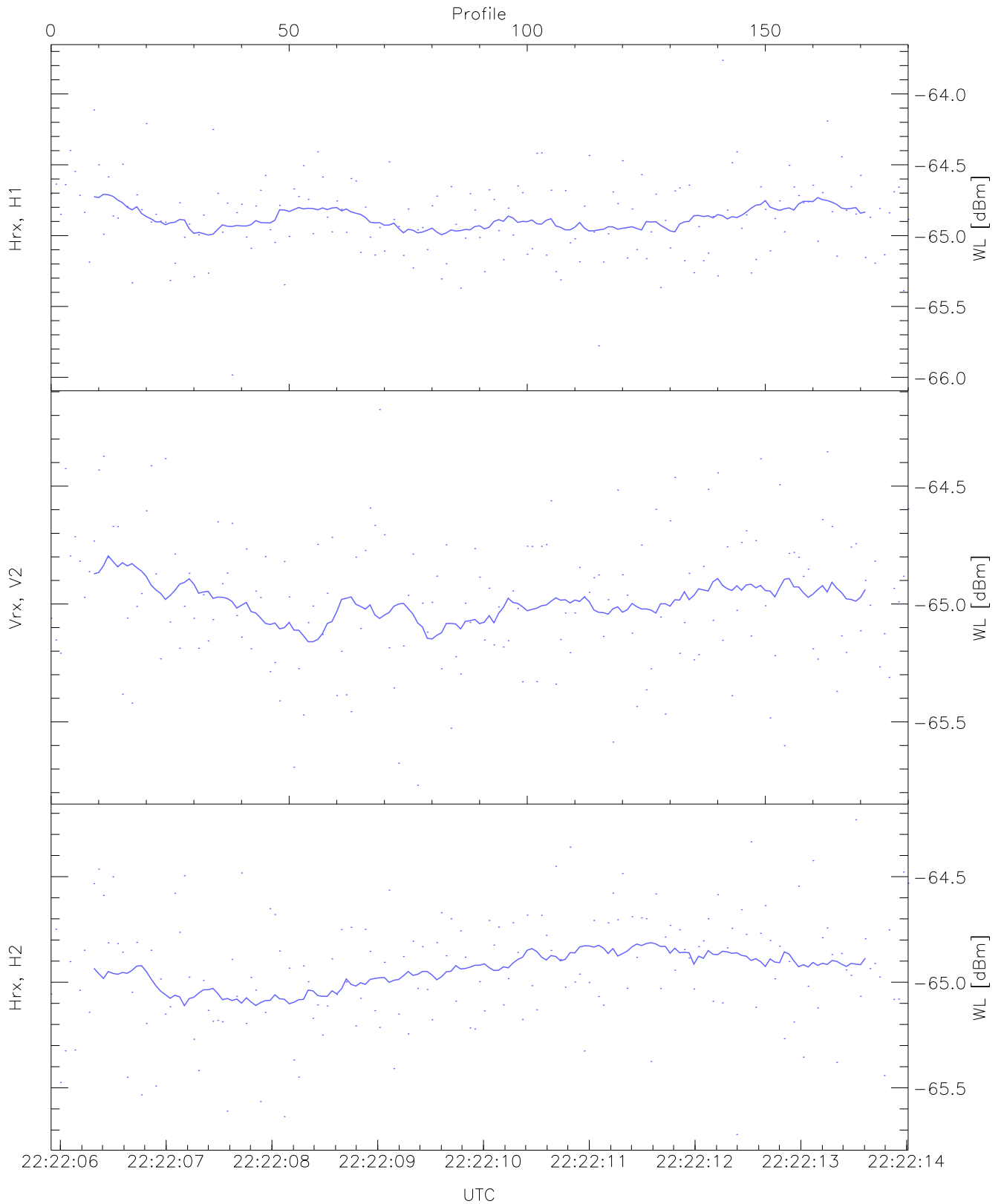
WCR3 CPP Receivers Gain and Noise Figure

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



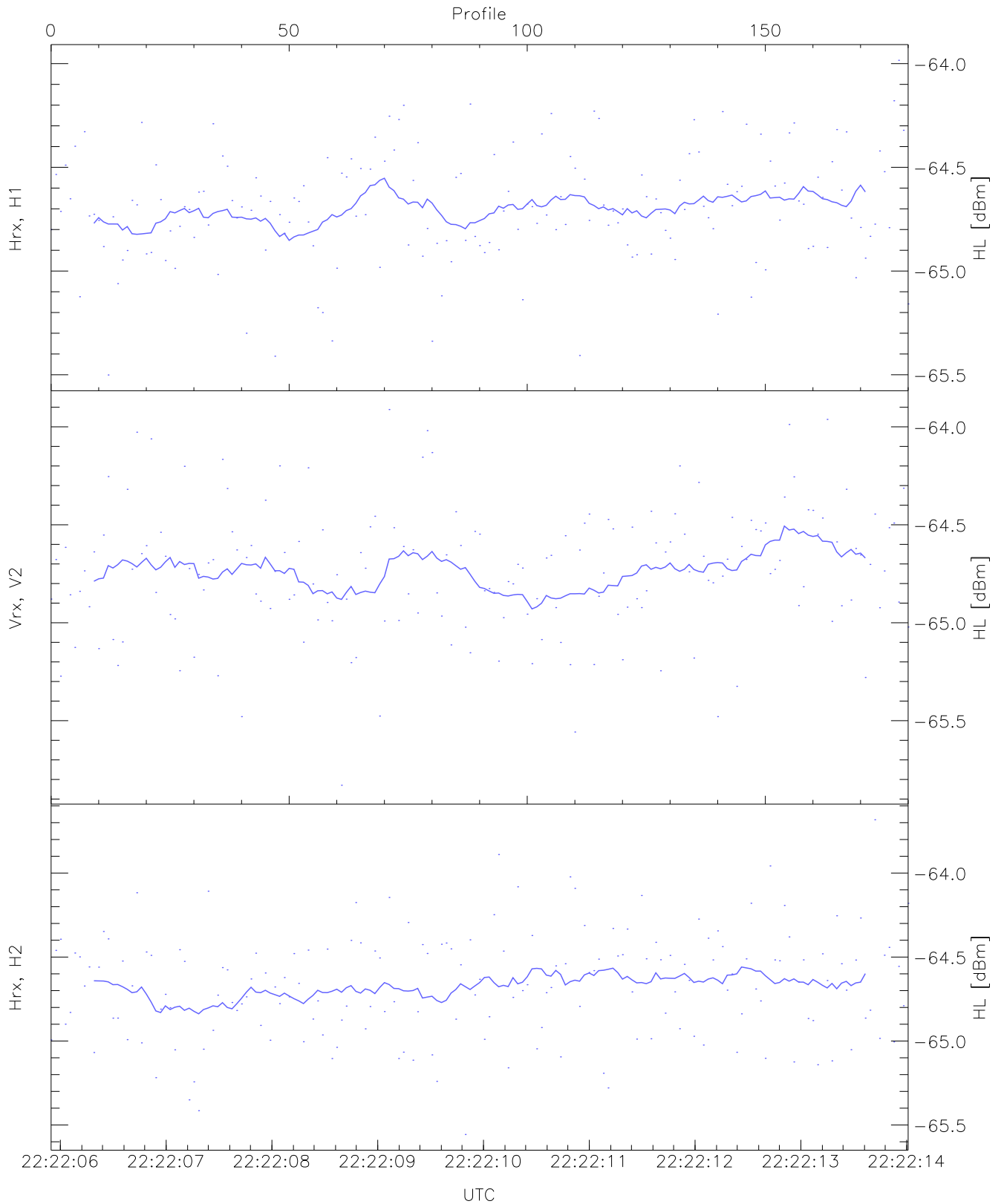
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.41 | -65.23 | -65.32 | -65.33 | -87.03 |
| RMPHrxH1(std_dBm) | -75.77 | -74.90 | -75.35 | -75.35 | -89.45 |
| RMPVrxV2(mean_dBm) | -65.07 | -64.92 | -64.99 | -64.99 | -86.51 |
| RMPVrxV2(std_dBm) | -75.59 | -74.59 | -75.03 | -75.04 | -89.03 |
| RMPHrxH2(mean_dBm) | -64.97 | -64.81 | -64.90 | -64.90 | -86.86 |
| RMPHrxH2(std_dBm) | -75.42 | -74.50 | -74.95 | -74.95 | -88.79 |



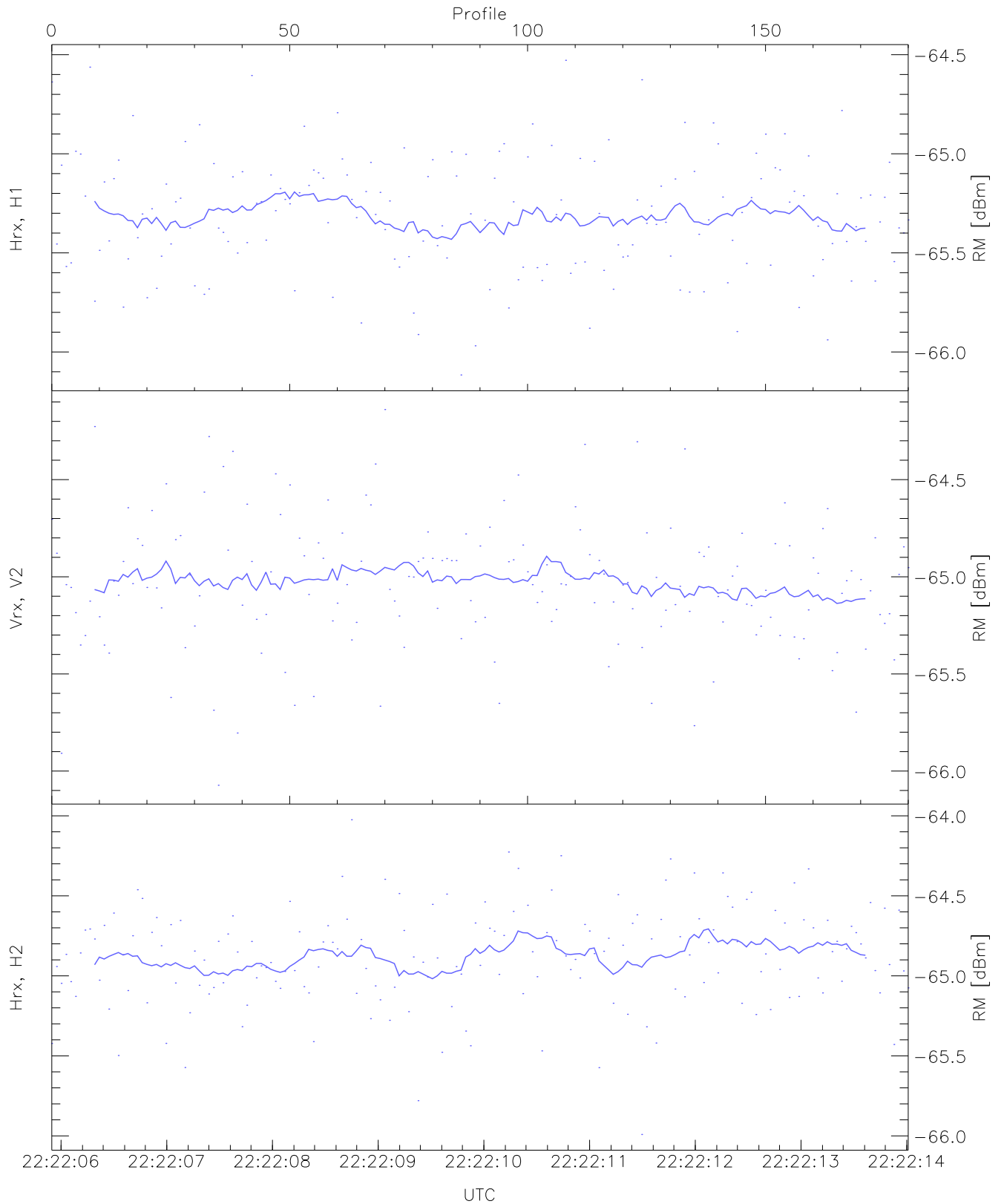
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -65.98 | -63.76 | -64.86 | -64.85 | -76.61 |
| Vrx, V2(WL [dBm]) | -65.77 | -64.17 | -64.97 | -64.99 | -76.69 |
| Hrx, H2(WL [dBm]) | -65.72 | -64.23 | -64.94 | -64.93 | -76.96 |



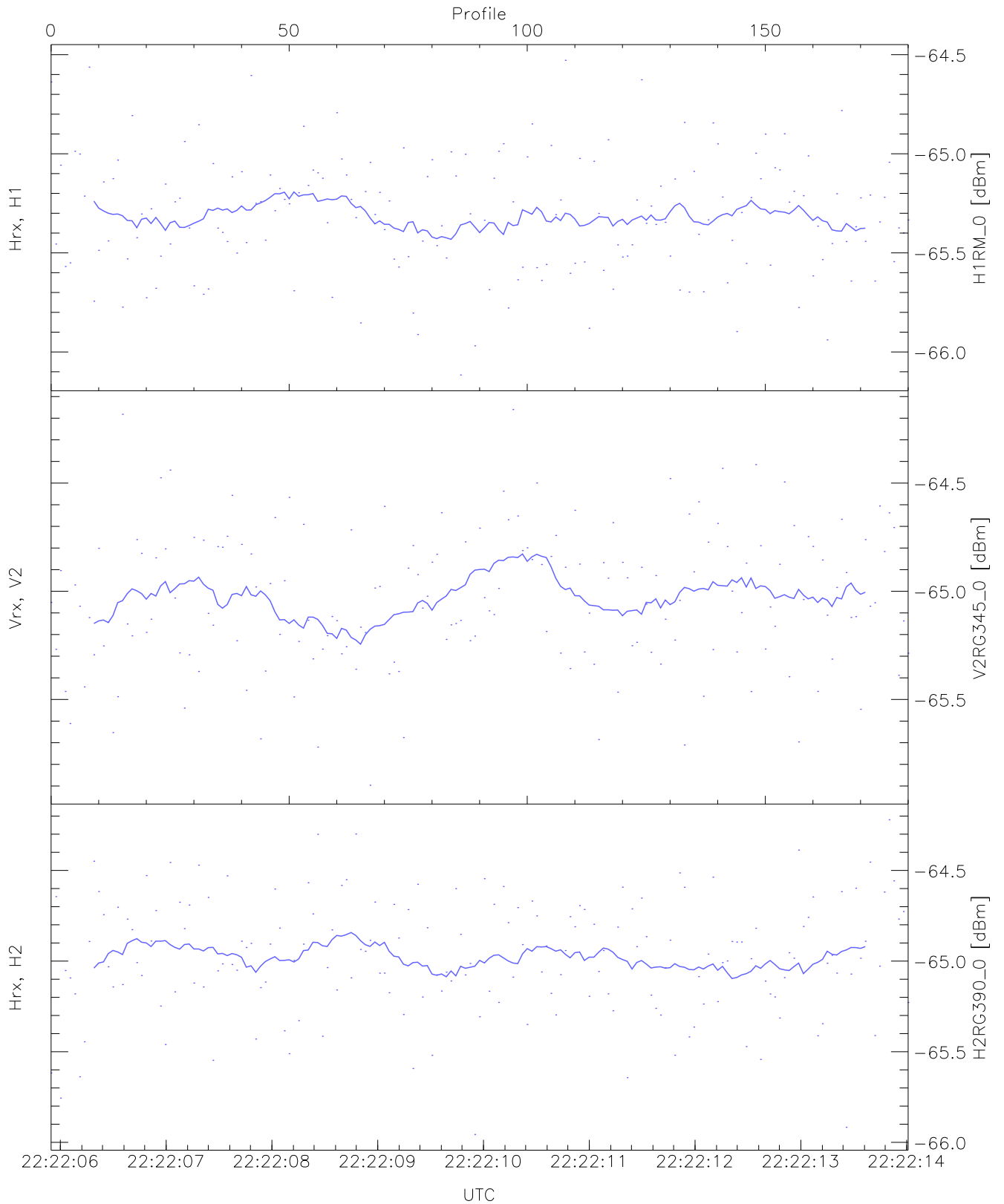
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.50 | -63.98 | -64.69 | -64.70 | -76.85 |
| Vrx, V2 (HL [dBm]) | -65.83 | -63.91 | -64.73 | -64.73 | -75.96 |
| Hrx, H2 (HL [dBm]) | -65.56 | -63.68 | -64.66 | -64.66 | -76.05 |



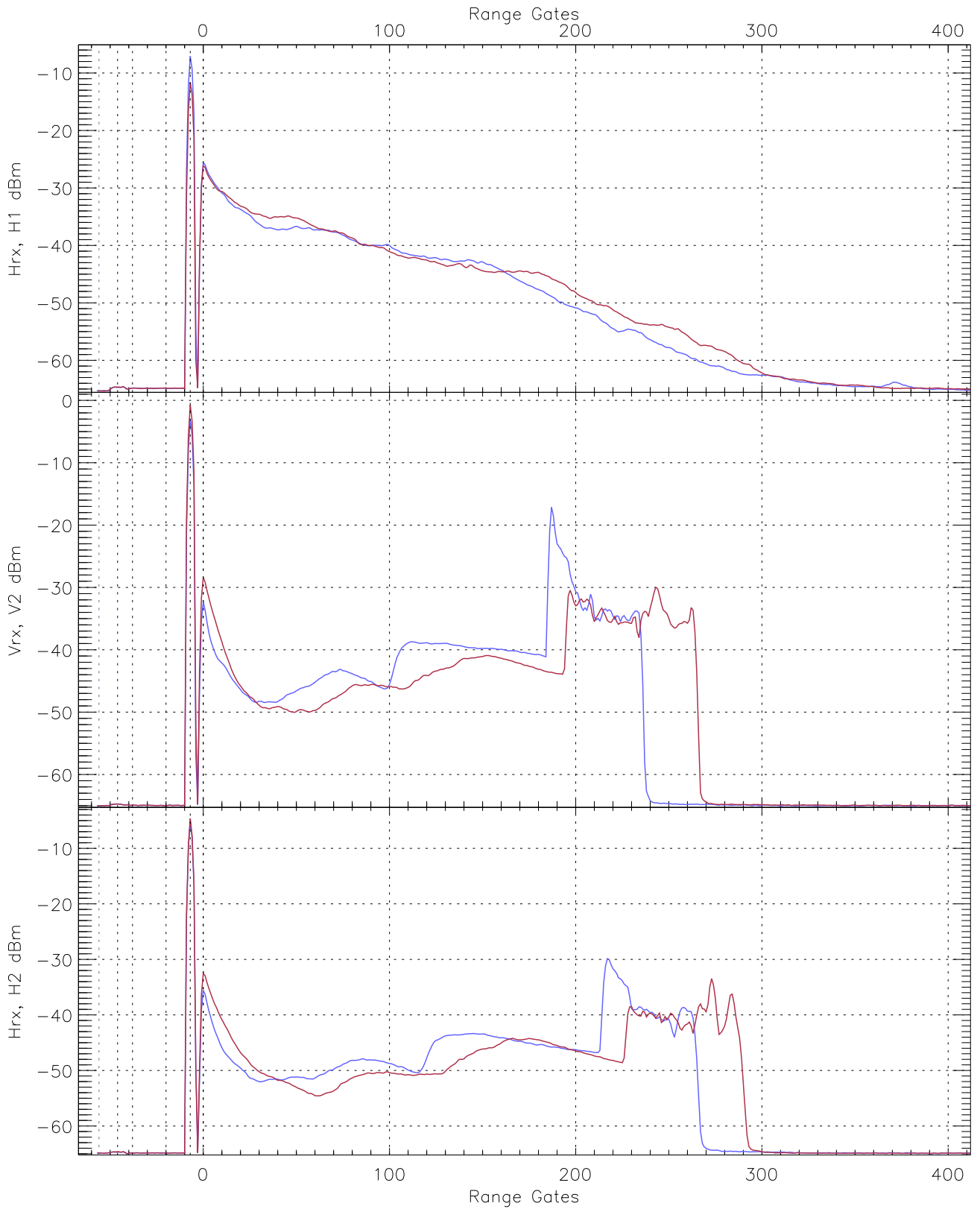
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(RM [dBm]) | -66.12 | -64.53 | -65.30 | -65.31 | -76.94 |
| Vrx, V2(RM [dBm]) | -66.07 | -64.14 | -65.02 | -65.04 | -76.22 |
| Hrx, H2(RM [dBm]) | -65.99 | -64.02 | -64.87 | -64.87 | -76.41 |

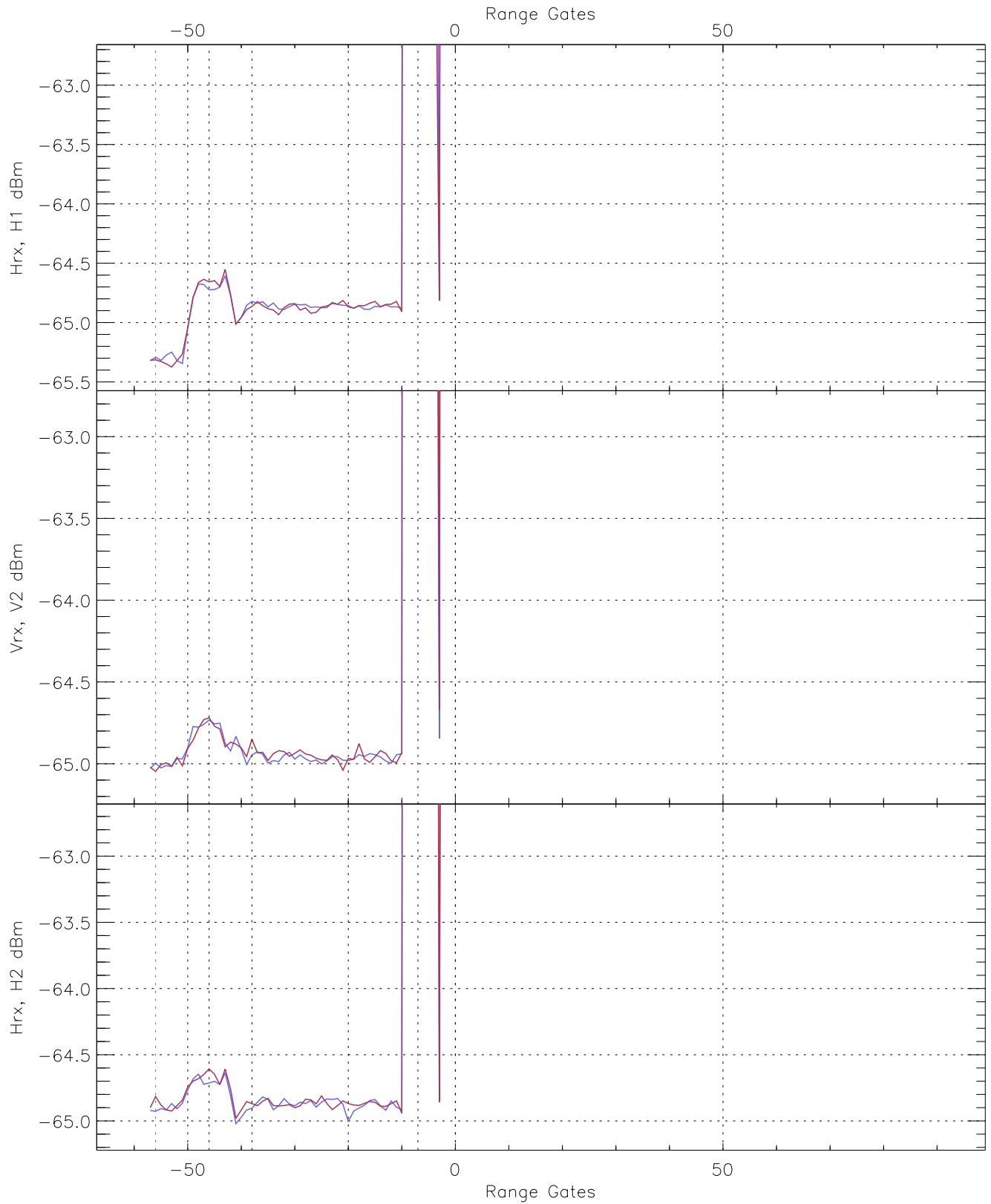


WCR3 CPP "Best" estimate Receivers Noise Power

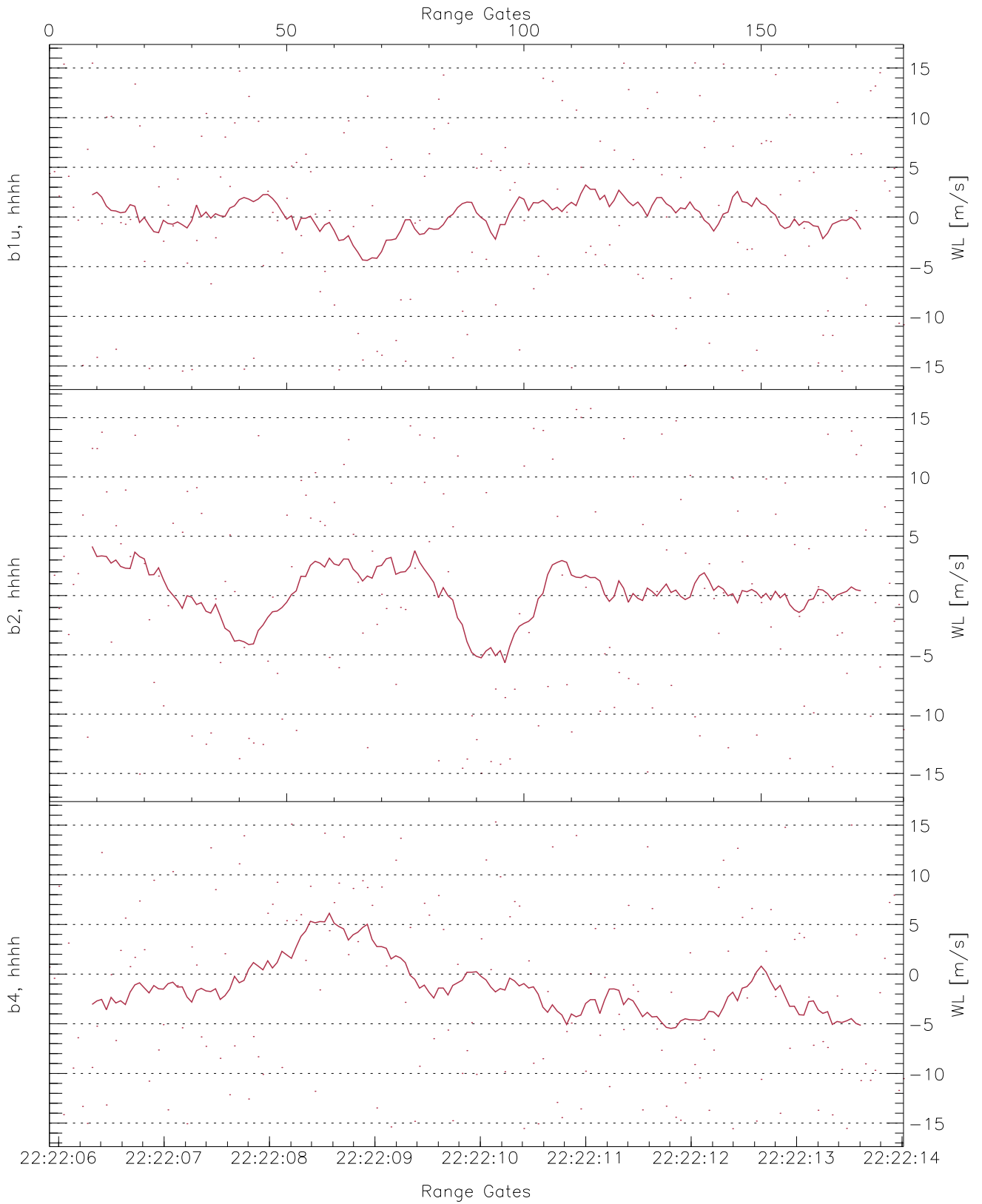
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RM_0 [dBm] | -66.12 | -64.53 | -65.30 | -65.31 | -76.94 |
| V2RG345_0 [dBm] | -65.90 | -64.16 | -65.02 | -65.05 | -76.38 |
| H2RG390_0 [dBm] | -65.96 | -64.22 | -64.97 | -64.98 | -76.37 |



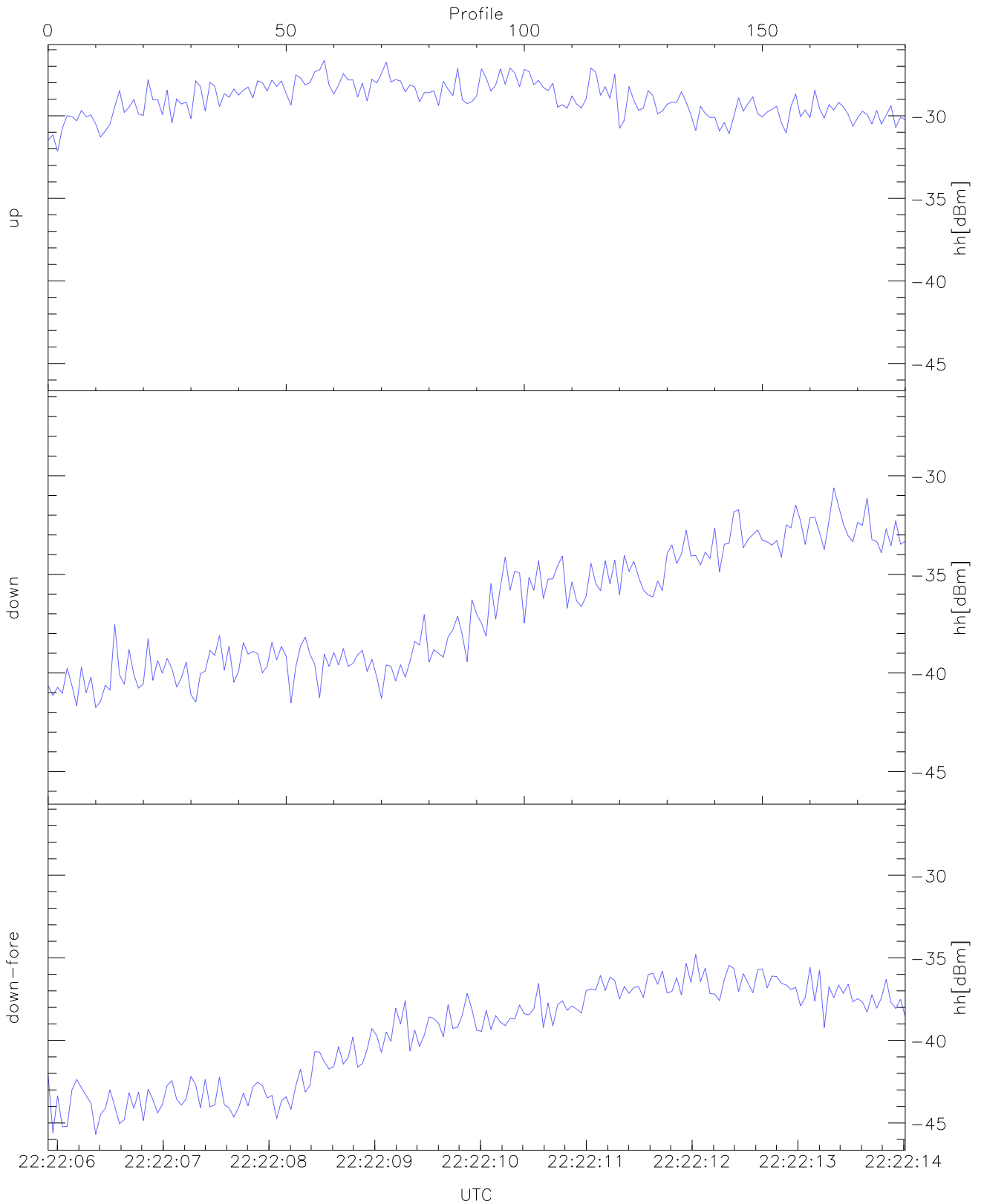
WCR3 CPP Averaged Received power for all recorded gates
blue: 222206-222210, 91 profiles averaged
red: 222210-222214, 91 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 222206-222210, 91 profiles averaged
red: 222210-222214, 91 profiles averaged

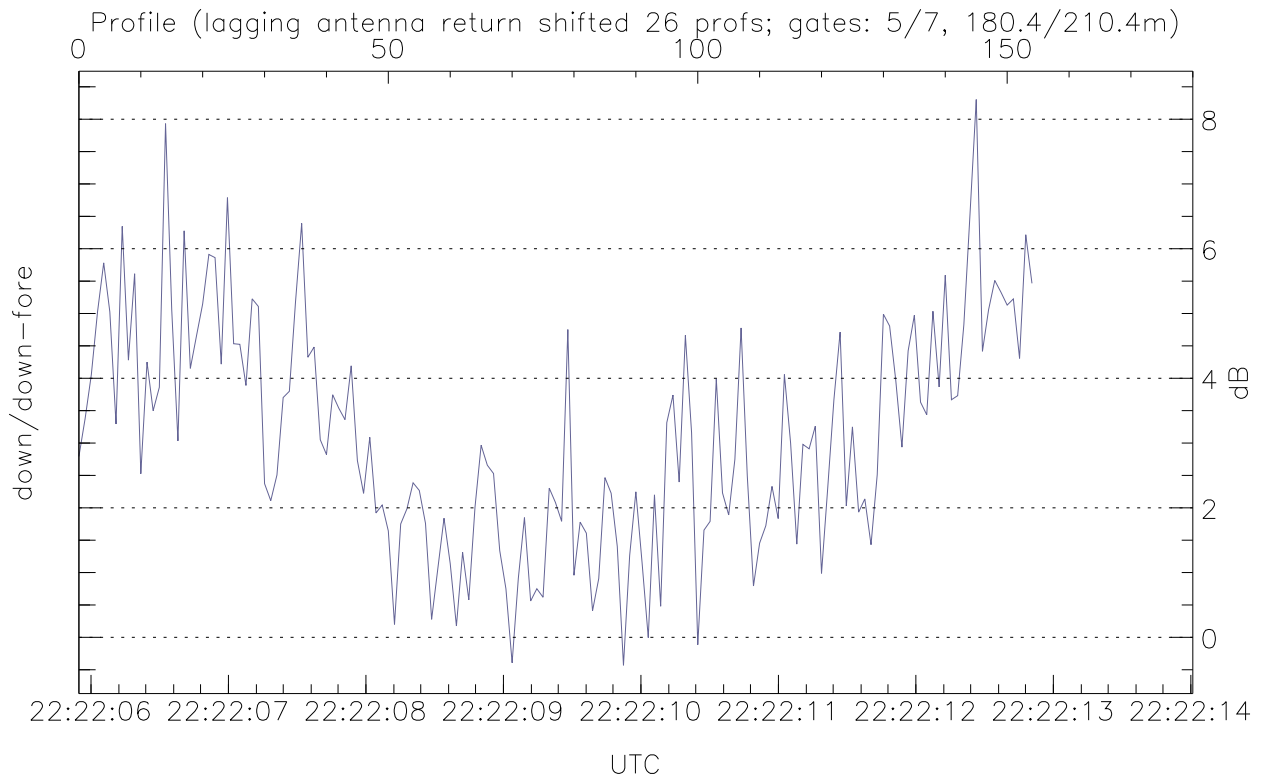
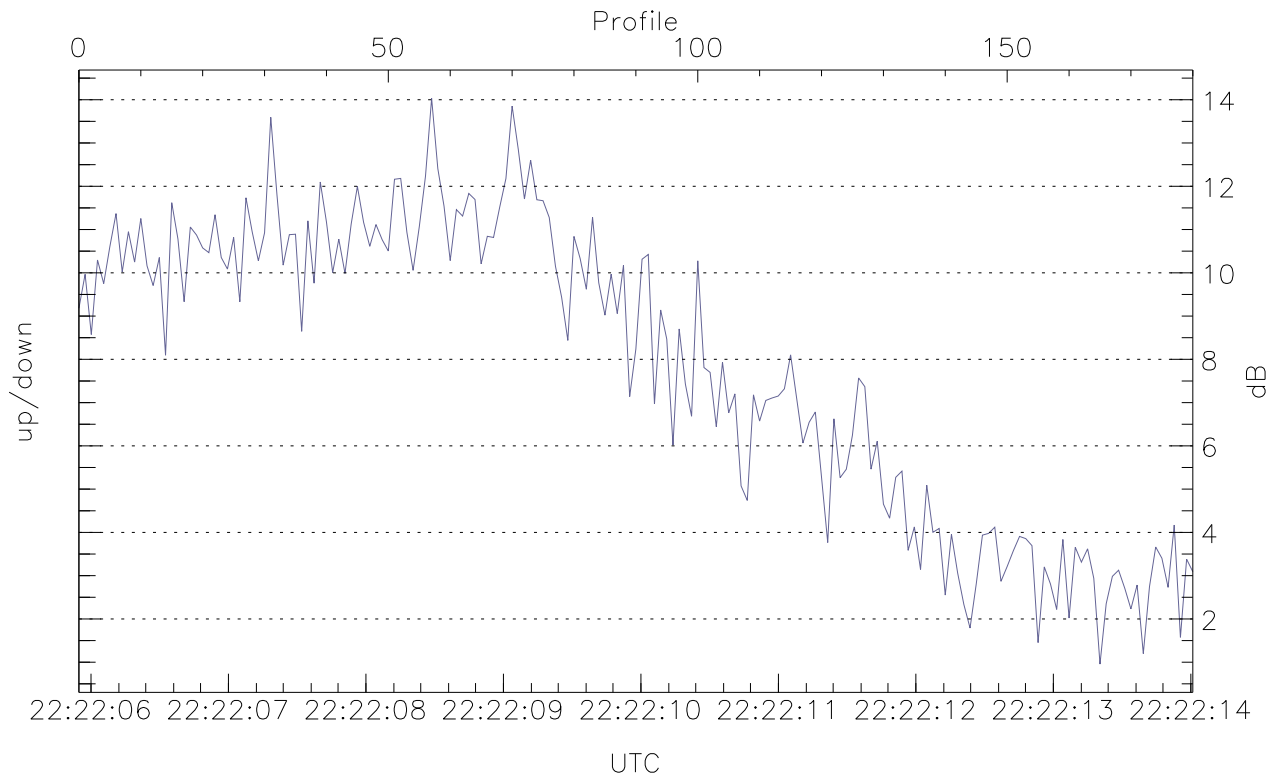


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



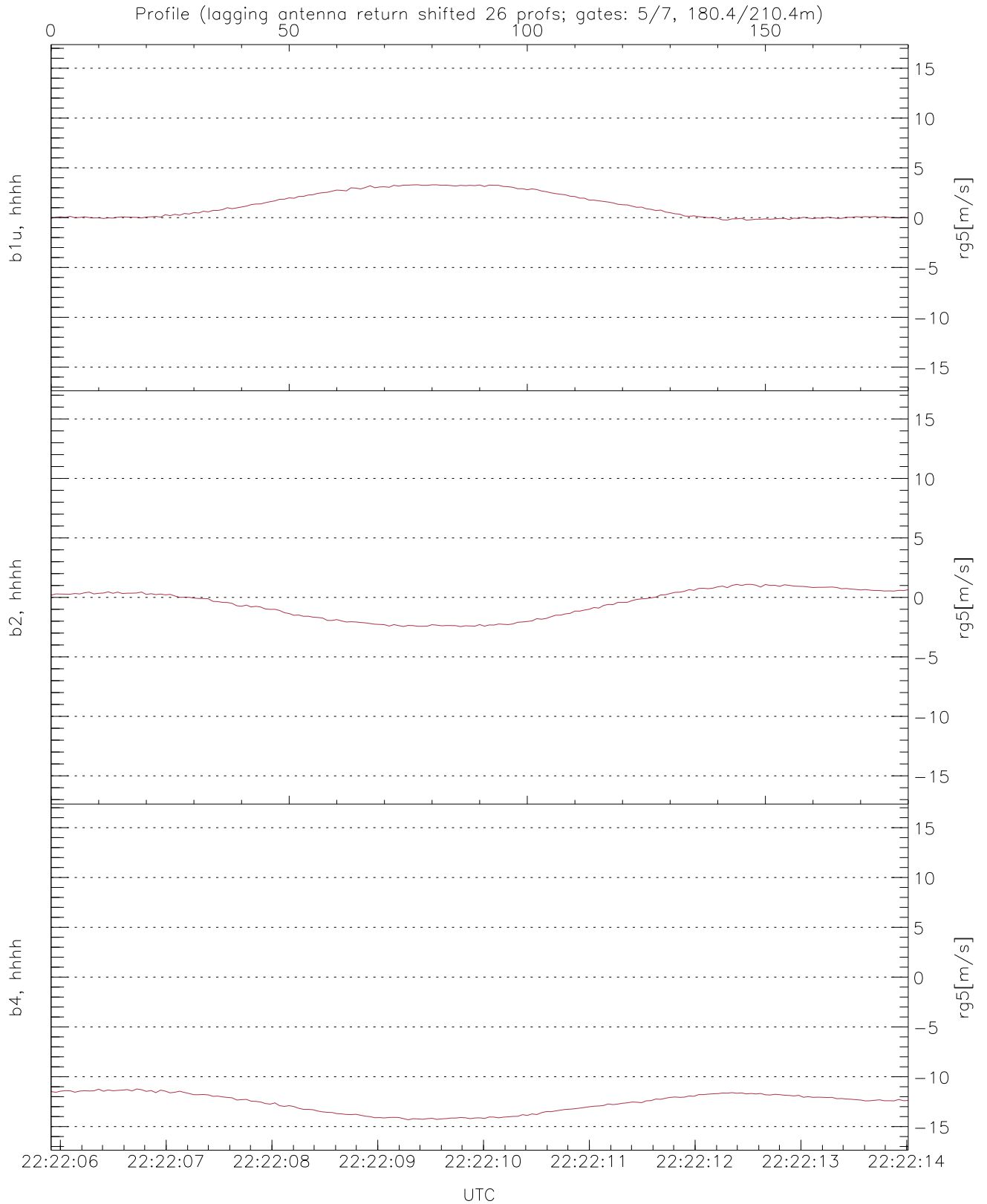
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -32.15 | -26.64 | -28.90 |
| down(hh[dBm]) | -41.76 | -30.61 | -35.82 |
| down-fore(hh[dBm]) | -45.70 | -34.79 | -38.77 |



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

| | Min | Max | Mean |
|---------------------|-------|-------|------|
| up/down (dB) | 0.96 | 14.03 | 7.83 |
| down/down-fore (dB) | -0.43 | 8.30 | 3.13 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|--------|--------|-------|
| b1u, hhhh(rg5[m/s]) | -0.25 | 3.30 | 1.24 | 1.29 |
| b2, hhhh(rg5[m/s]) | -2.46 | 1.09 | -0.54 | 1.21 |
| b4, hhhh(rg5[m/s]) | -14.32 | -11.23 | -12.63 | 0.97 |