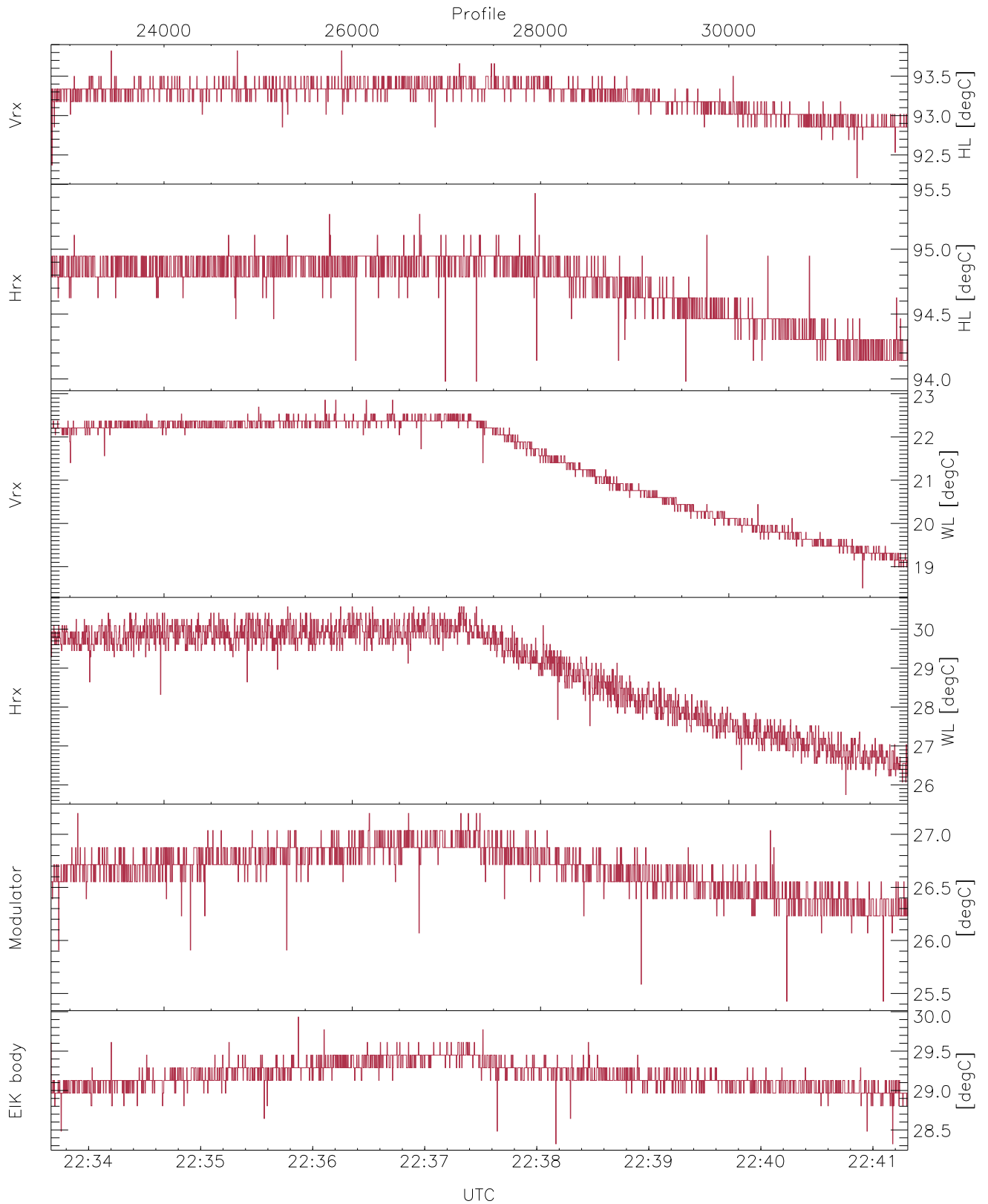


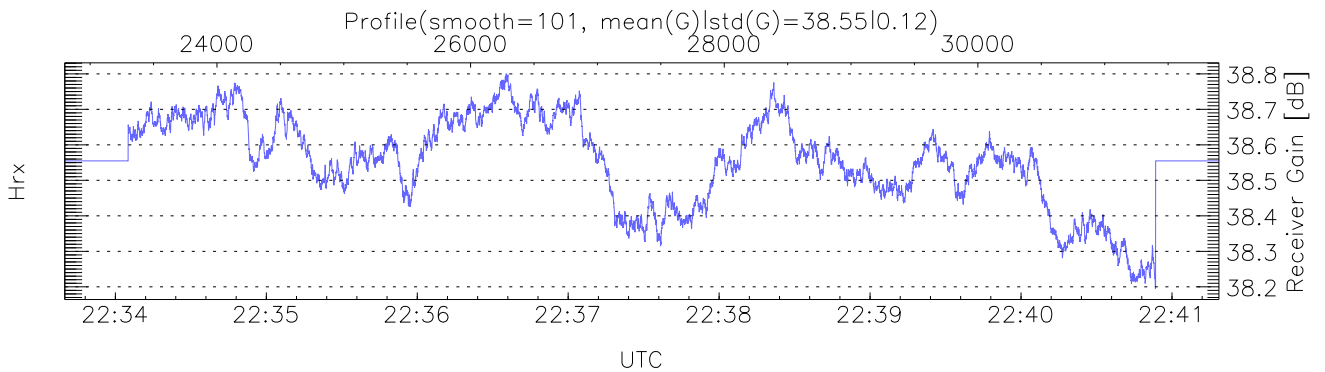
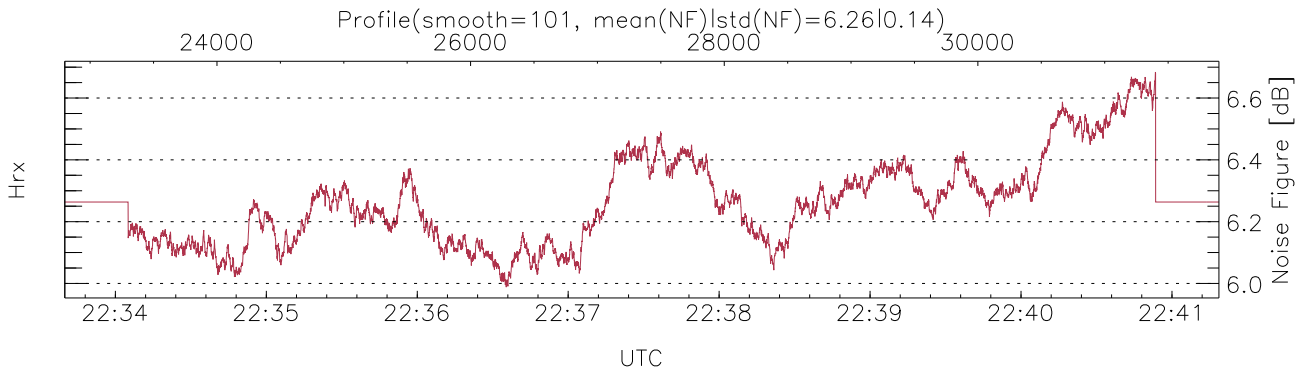
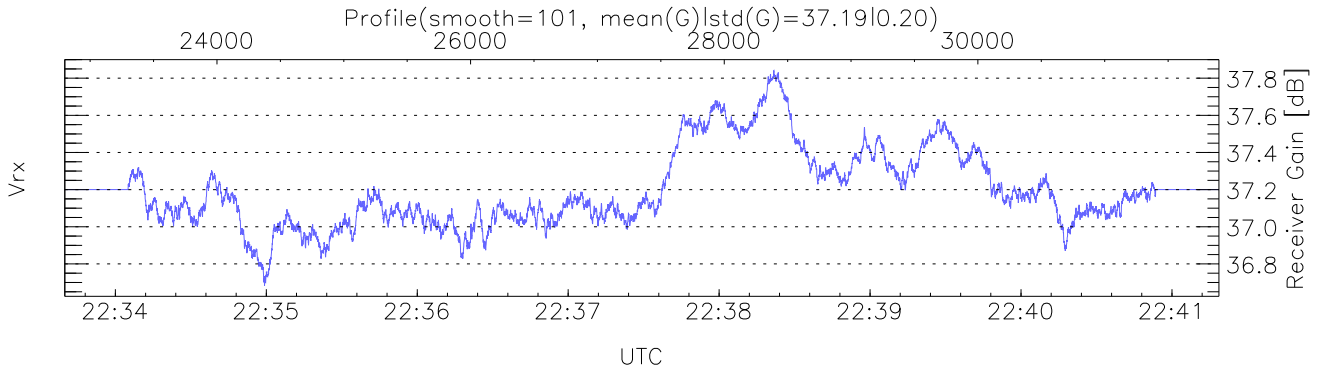
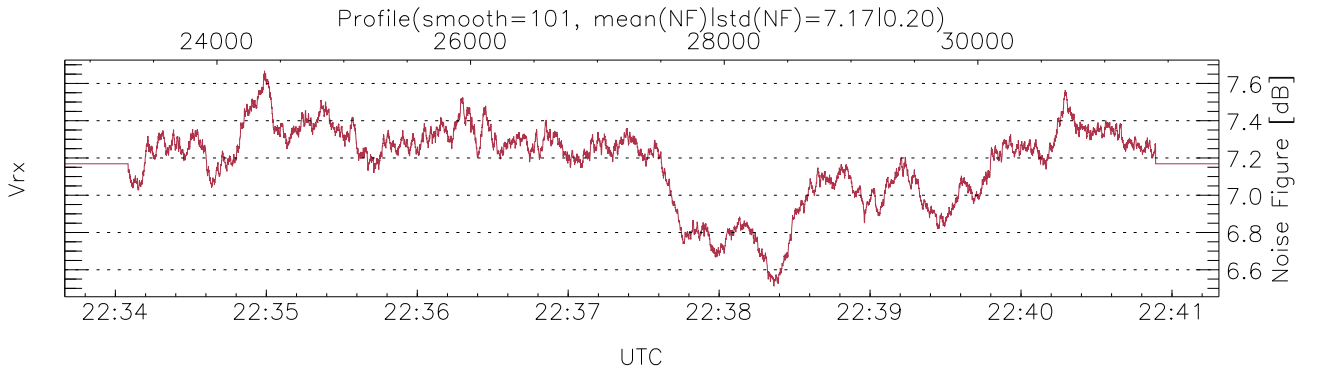
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:14:30-22:41:19, Dur: 1608.21s
 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): 9102/31902, 22800-31901/22:33:40-22:41:19
 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|sidelup|error): 1



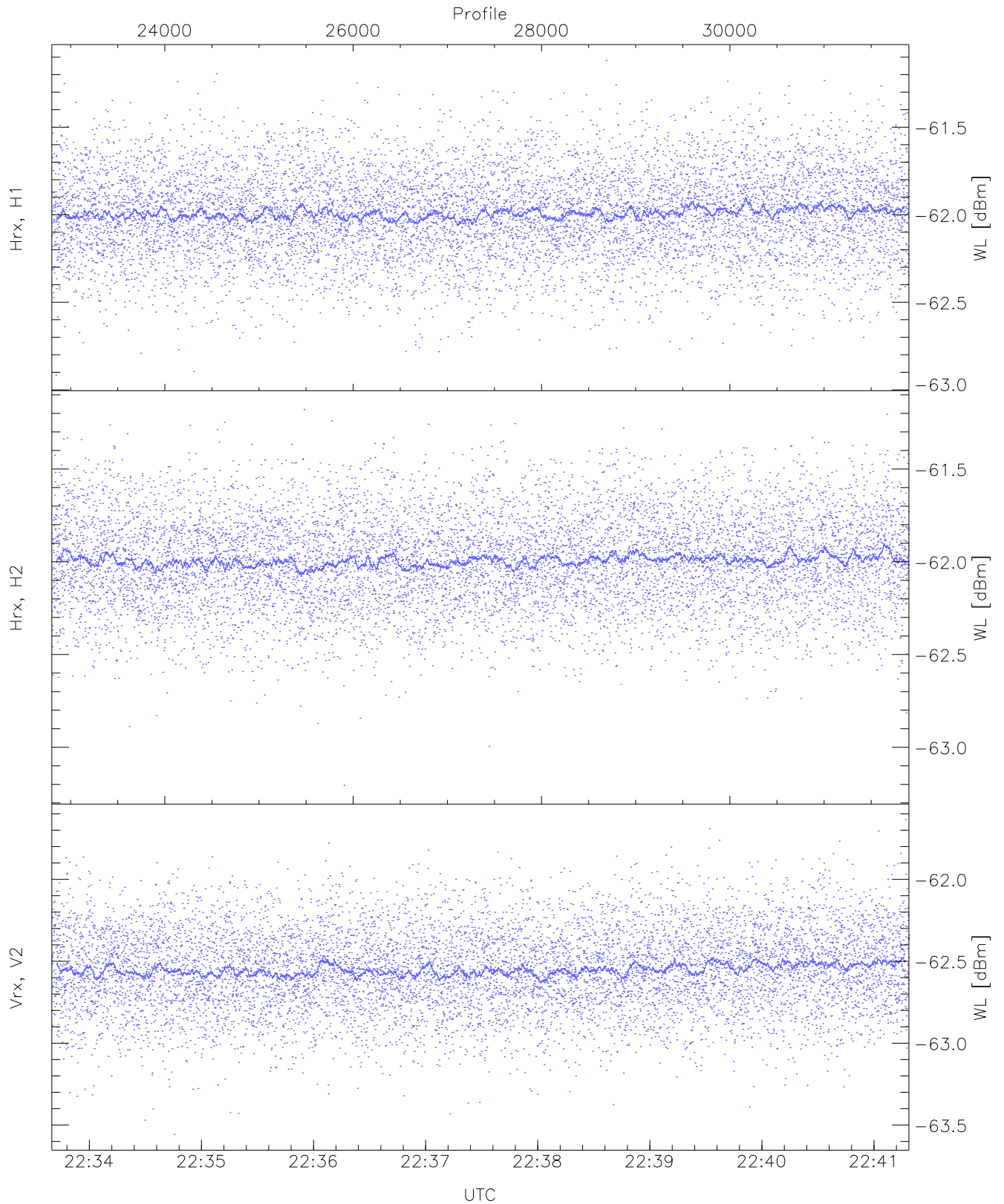
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,18,25,25,28
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,22,30,27,29
 LOalarm(20,80,240,2.8,14.8 MHz): 5,0,0,0,0
 EIK Faults(# prof affected):
 BodyCurr,DeckF,HVPS (5,5,5)



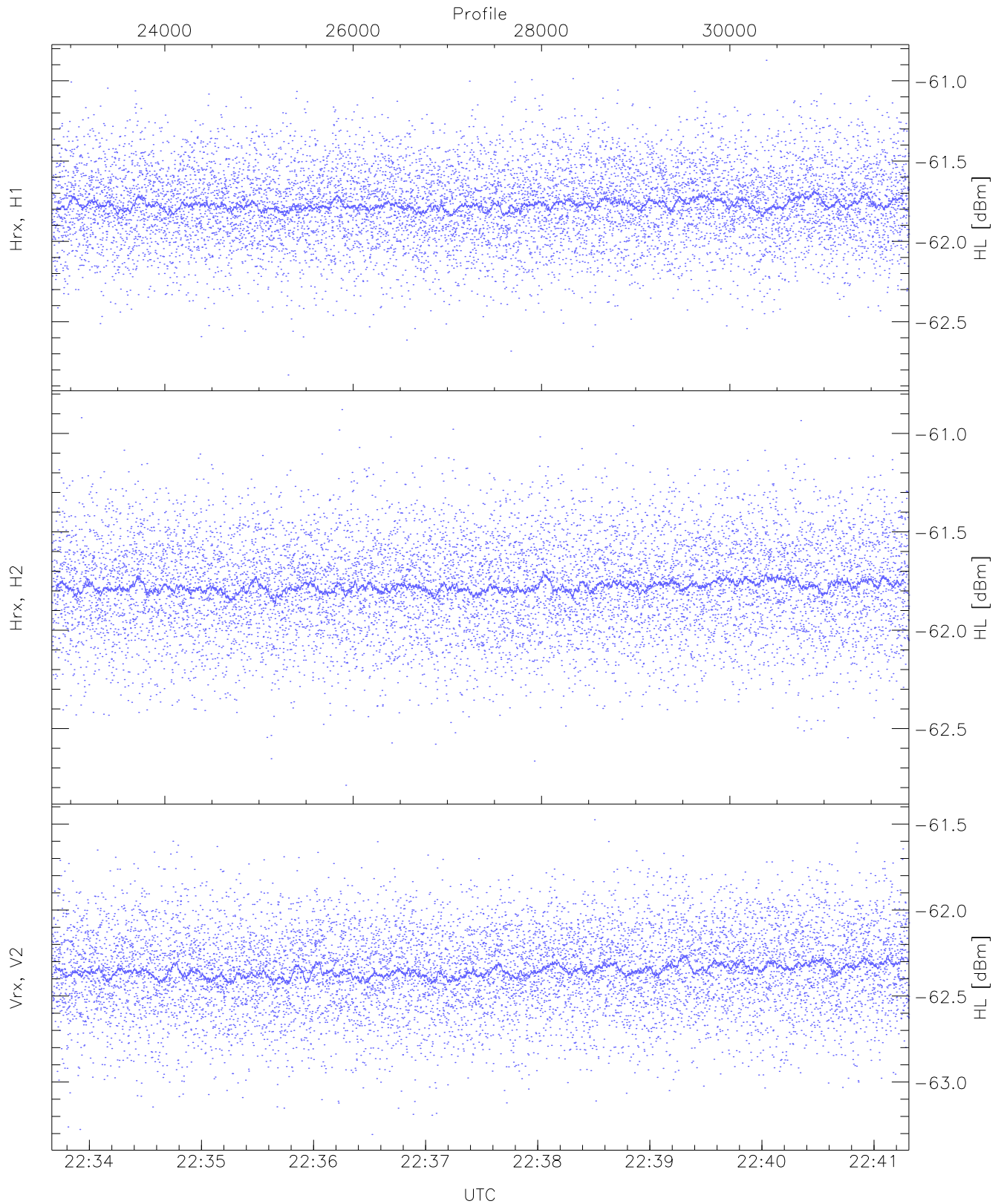
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 129 pixs, 7 gates, 124 profs, 1 prods



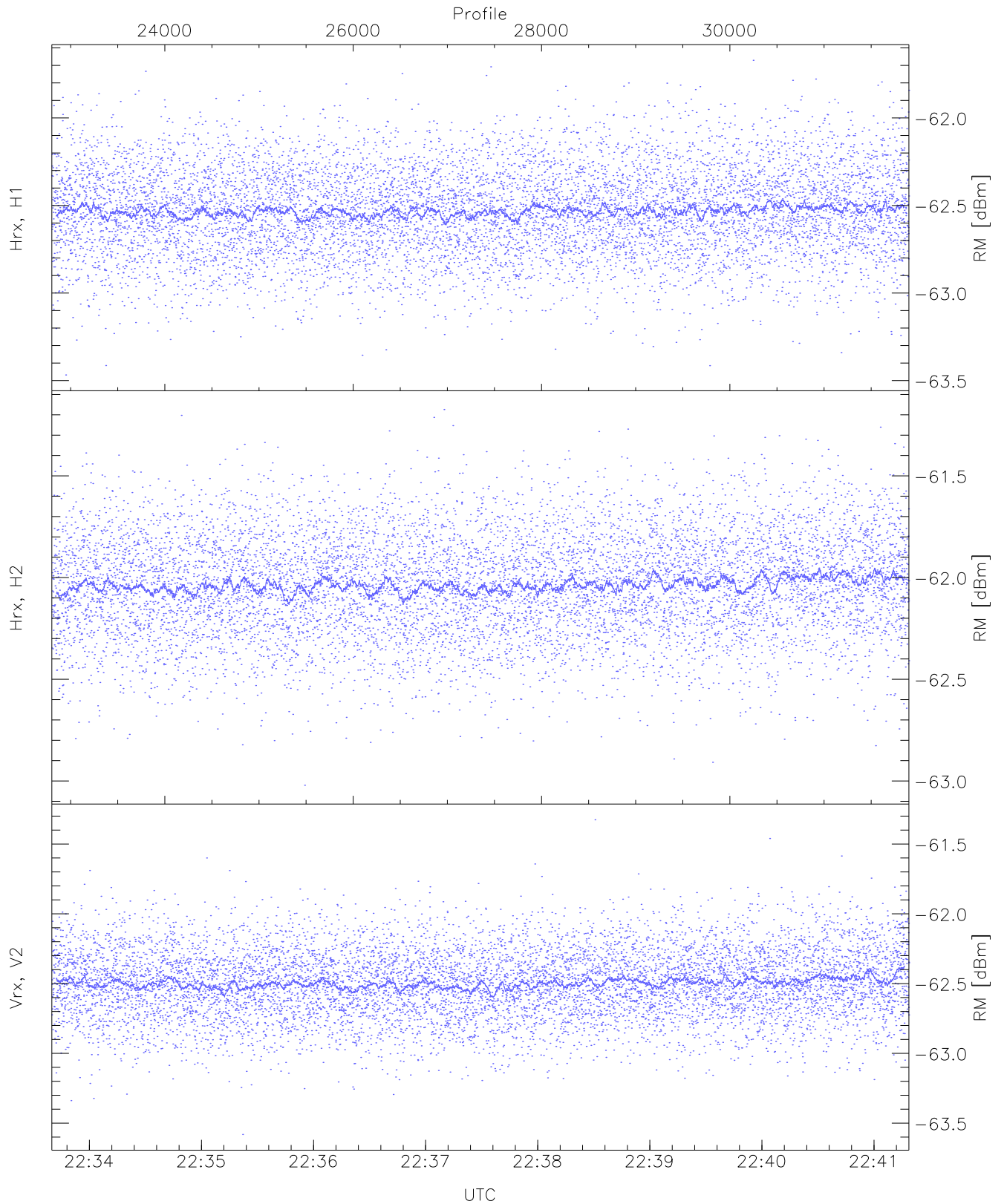
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -62.92 | -61.12 | -61.99 | -61.99 | -74.54 |
| Hrx, H2(WL [dBm]) | -63.20 | -61.18 | -61.99 | -62.00 | -74.55 |
| Vrx, V2(WL [dBm]) | -63.56 | -61.64 | -62.55 | -62.55 | -75.08 |



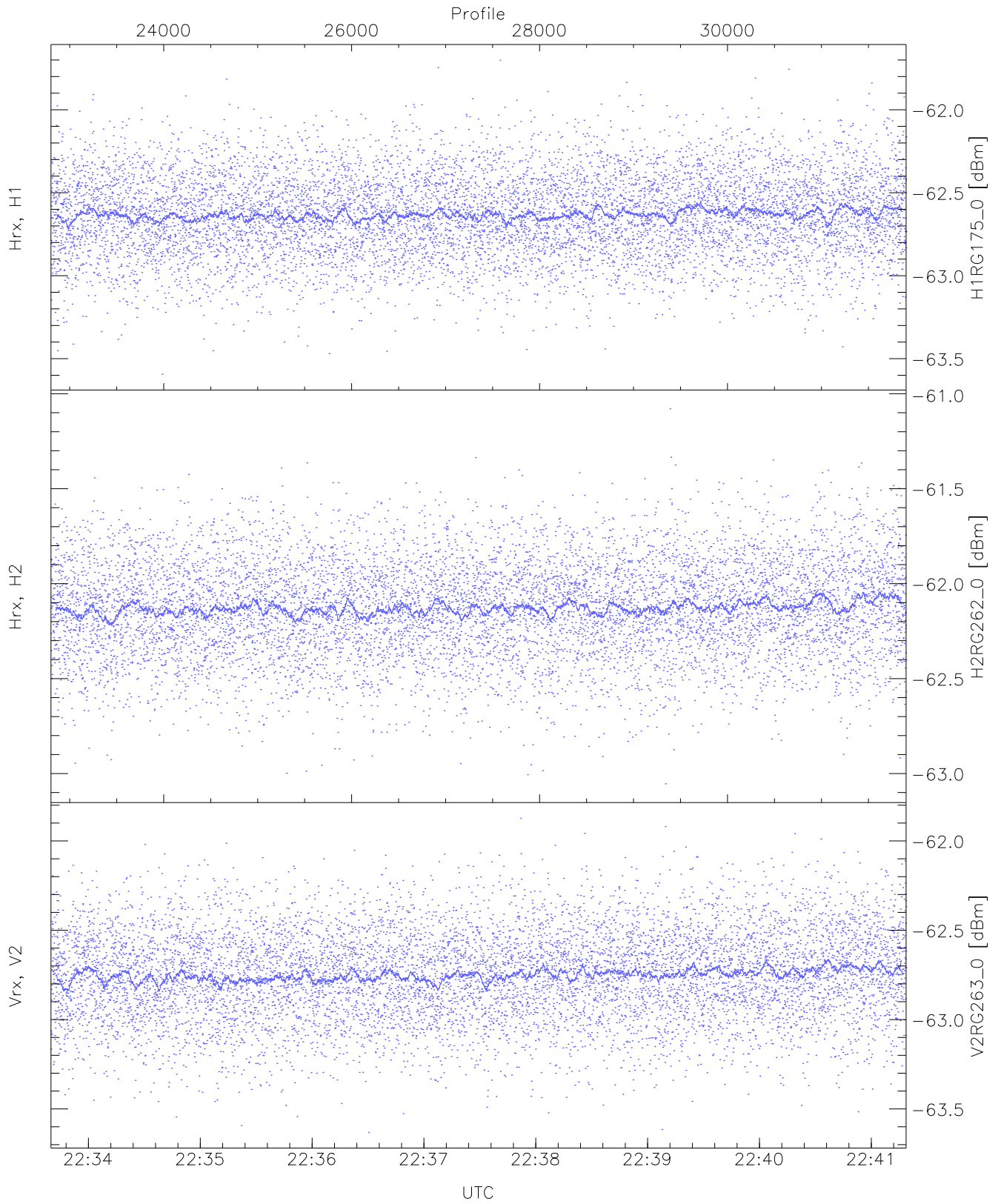
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.83 | -60.87 | -61.77 | -61.77 | -74.34 |
| Hrx, H2 (HL [dBm]) | -62.79 | -60.88 | -61.77 | -61.78 | -74.38 |
| Vrx, V2 (HL [dBm]) | -63.30 | -61.48 | -62.35 | -62.35 | -74.91 |



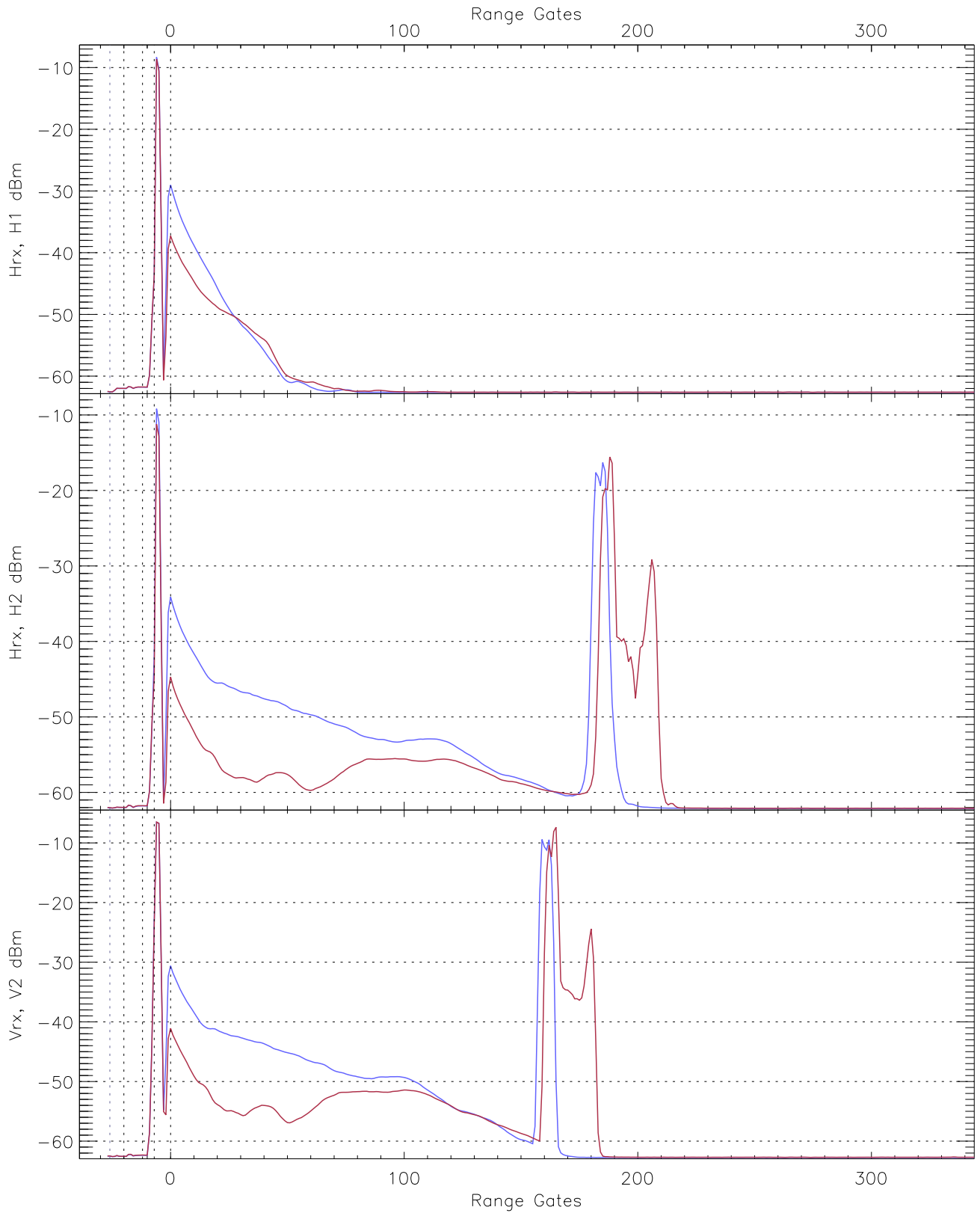
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.47 | -61.67 | -62.53 | -62.53 | -75.07 |
| Hrx, H2 (RM [dBm]) | -63.02 | -61.17 | -62.03 | -62.03 | -74.61 |
| Vrx, V2 (RM [dBm]) | -63.58 | -61.33 | -62.49 | -62.50 | -75.07 |

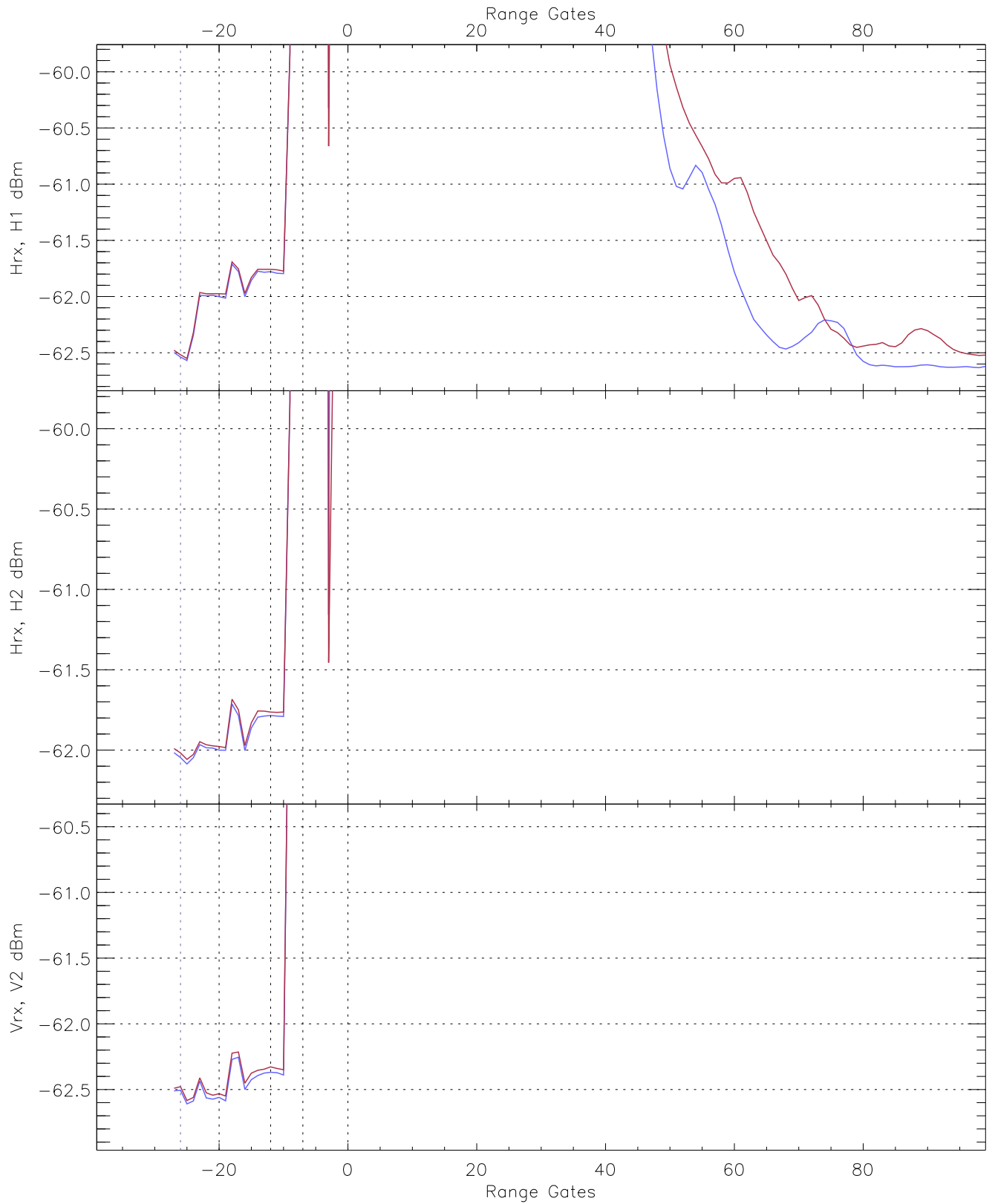


WCR2 CPP "Best" estimate Receivers Noise Power

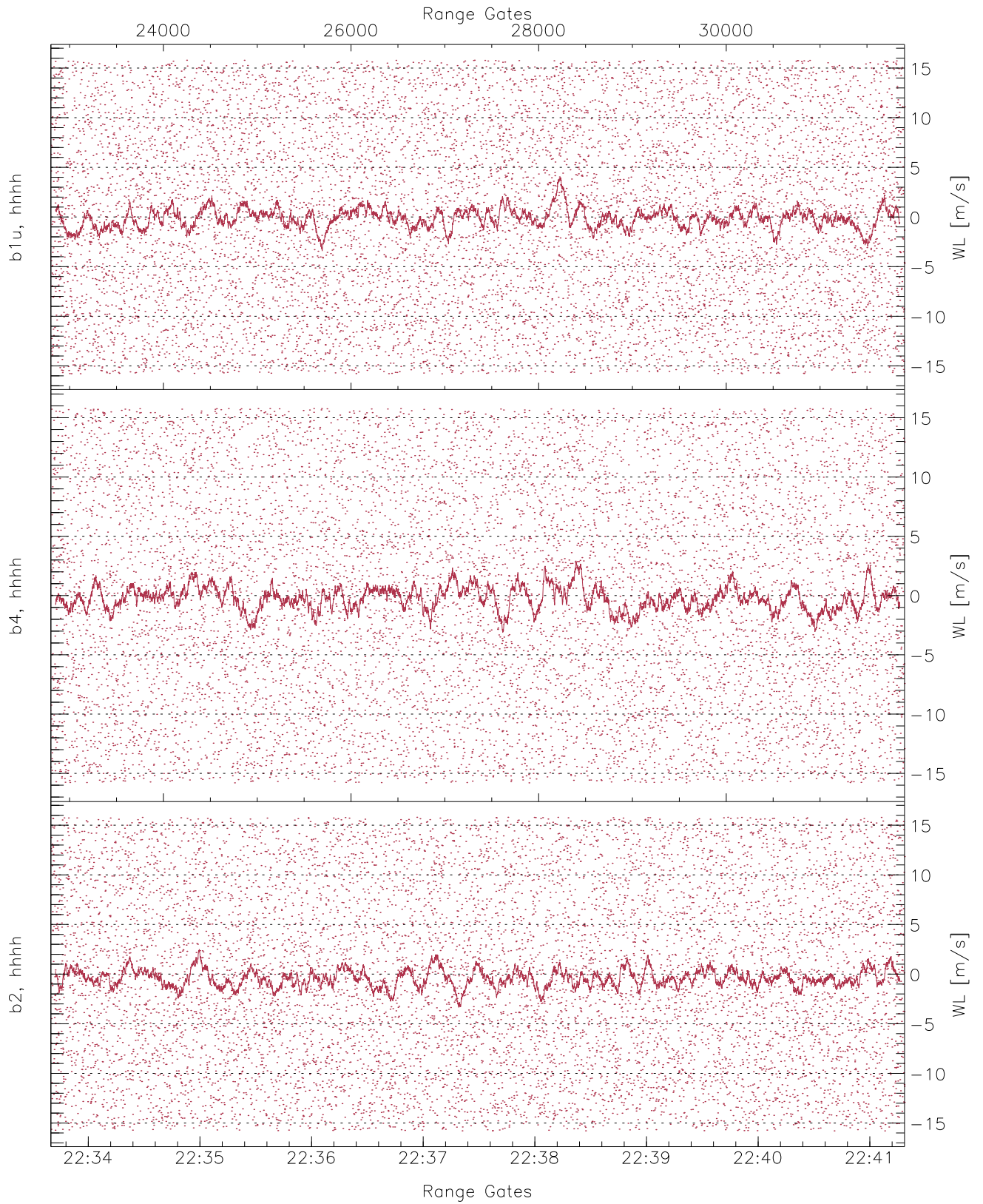
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG175_0 [dBm] | -63.59 | -61.70 | -62.63 | -62.63 | -75.21 |
| H2RG262_0 [dBm] | -63.05 | -61.08 | -62.12 | -62.13 | -74.63 |
| V2RG263_0 [dBm] | -63.63 | -61.87 | -62.74 | -62.75 | -75.29 |



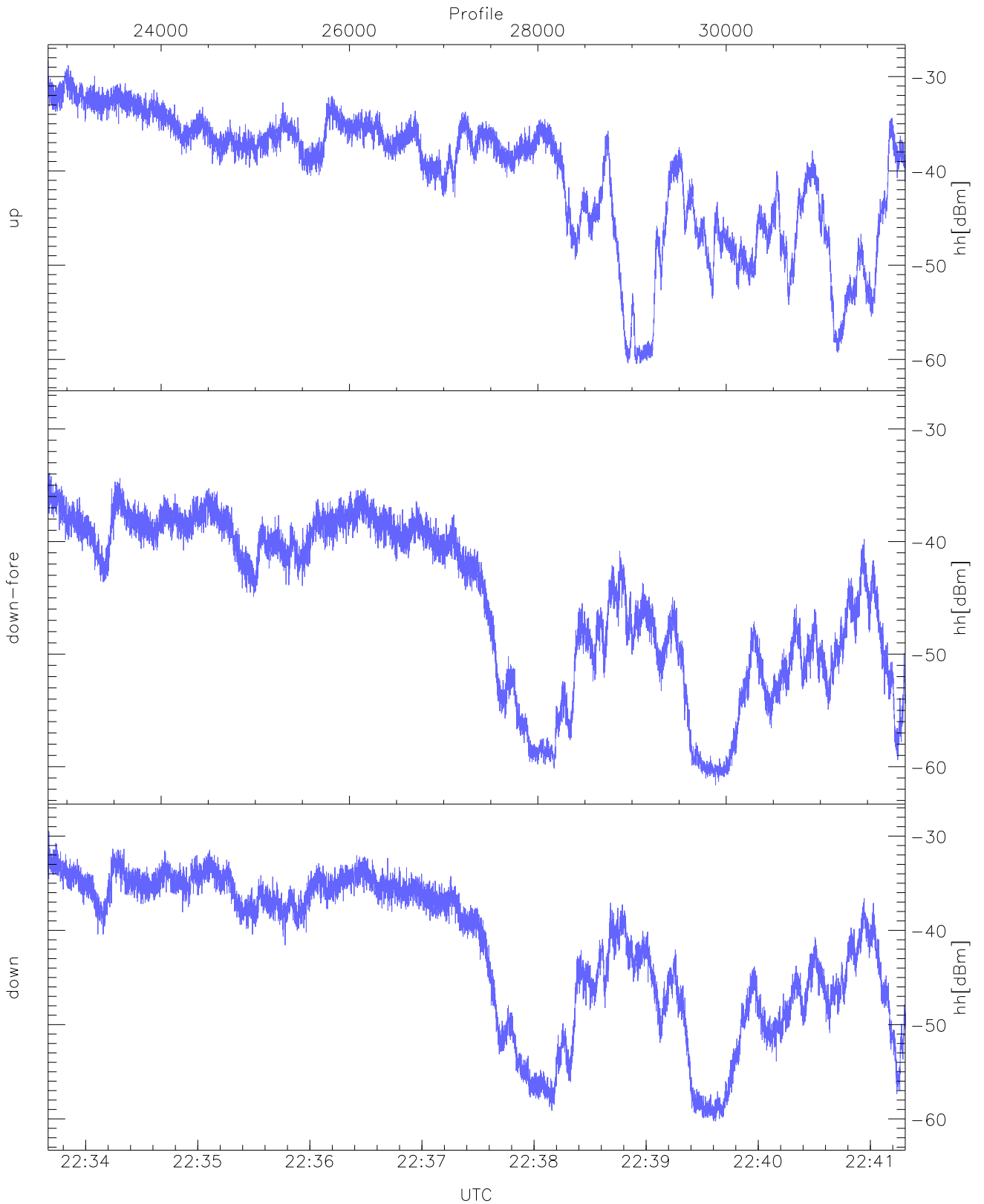
WCR2 CPP Averaged Received power for all recorded gates
blue: 223340-223729, 4552 profiles averaged
red: 223729-224119, 4551 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 223340-223729, 4552 profiles averaged
red: 223729-224119, 4551 profiles averaged

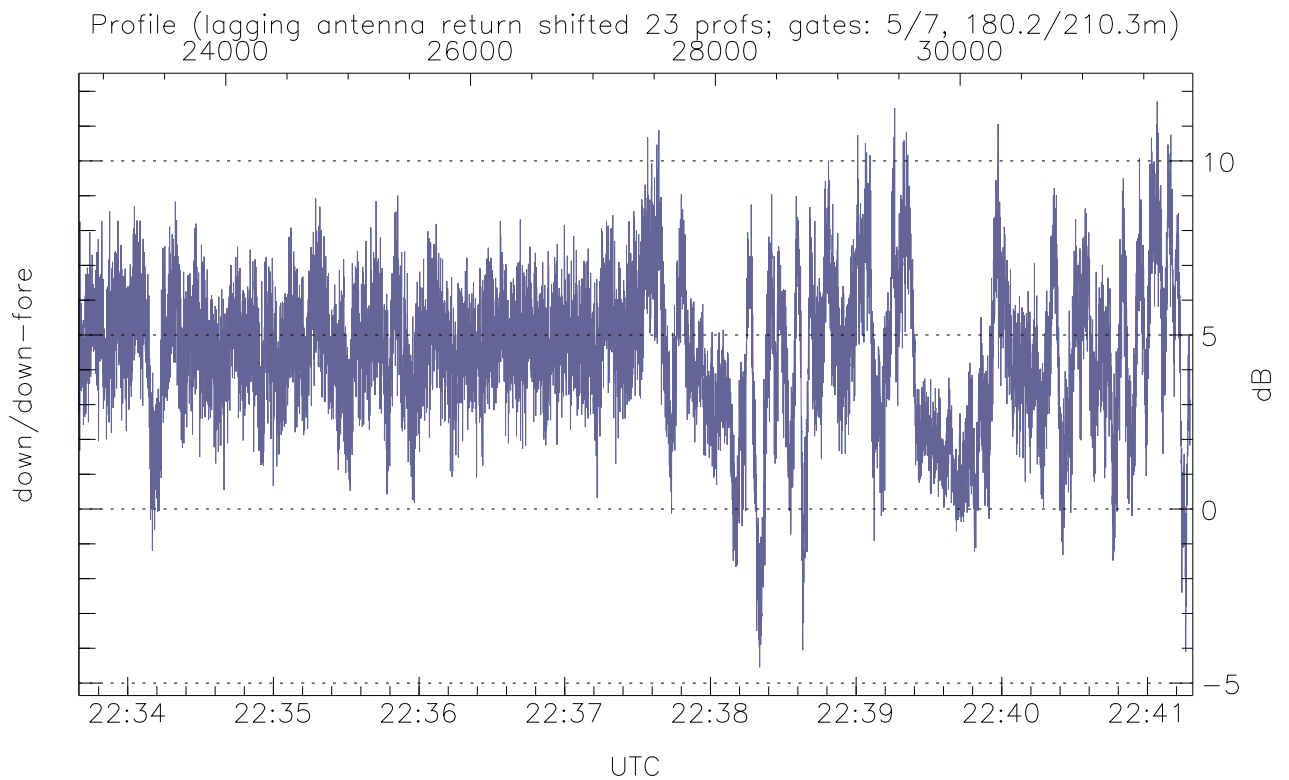
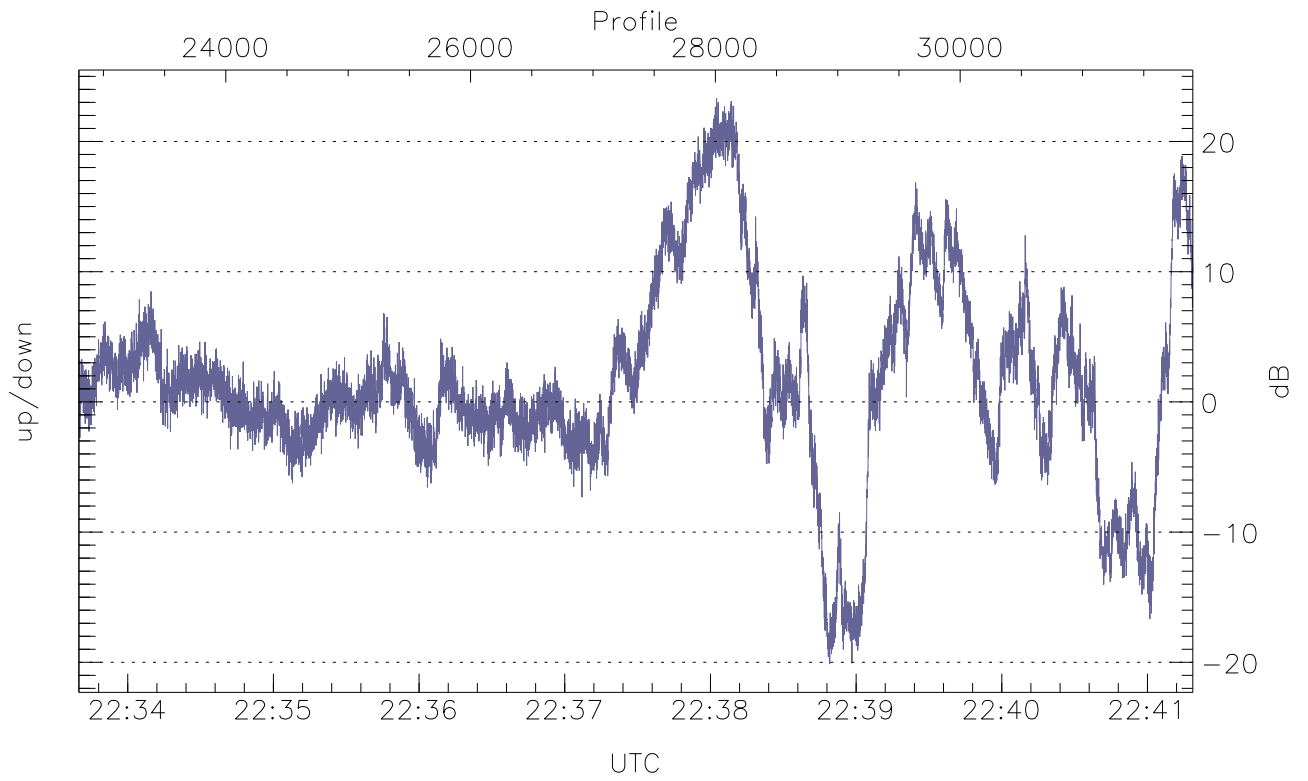


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



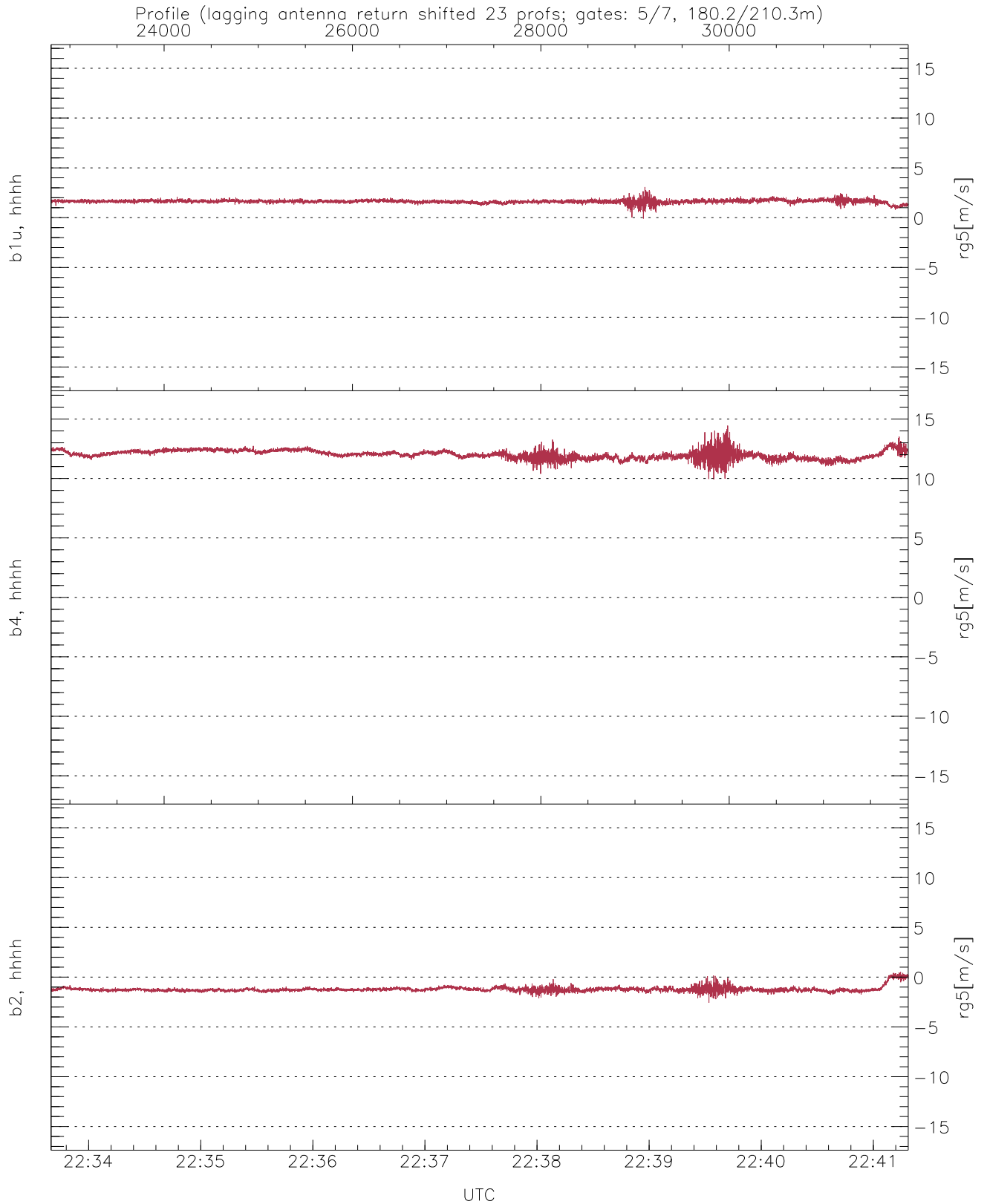
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -60.48 | -28.27 | -37.02 |
| down-fore(hh[dBm]) | -61.65 | -33.89 | -41.29 |
| down(hh[dBm]) | -60.24 | -29.47 | -37.84 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -20.14 | 23.31 | 1.57 |
| down/down-fore (dB) | -4.55 | 11.71 | 4.49 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---------------------|-------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -0.09 | 3.08 | 1.63 | 0.18 |
| b4, hhhh(rg5[m/s]) | 9.93 | 14.44 | 12.01 | 0.37 |
| b2, hhhh(rg5[m/s]) | -2.58 | 0.51 | -1.22 | 0.27 |