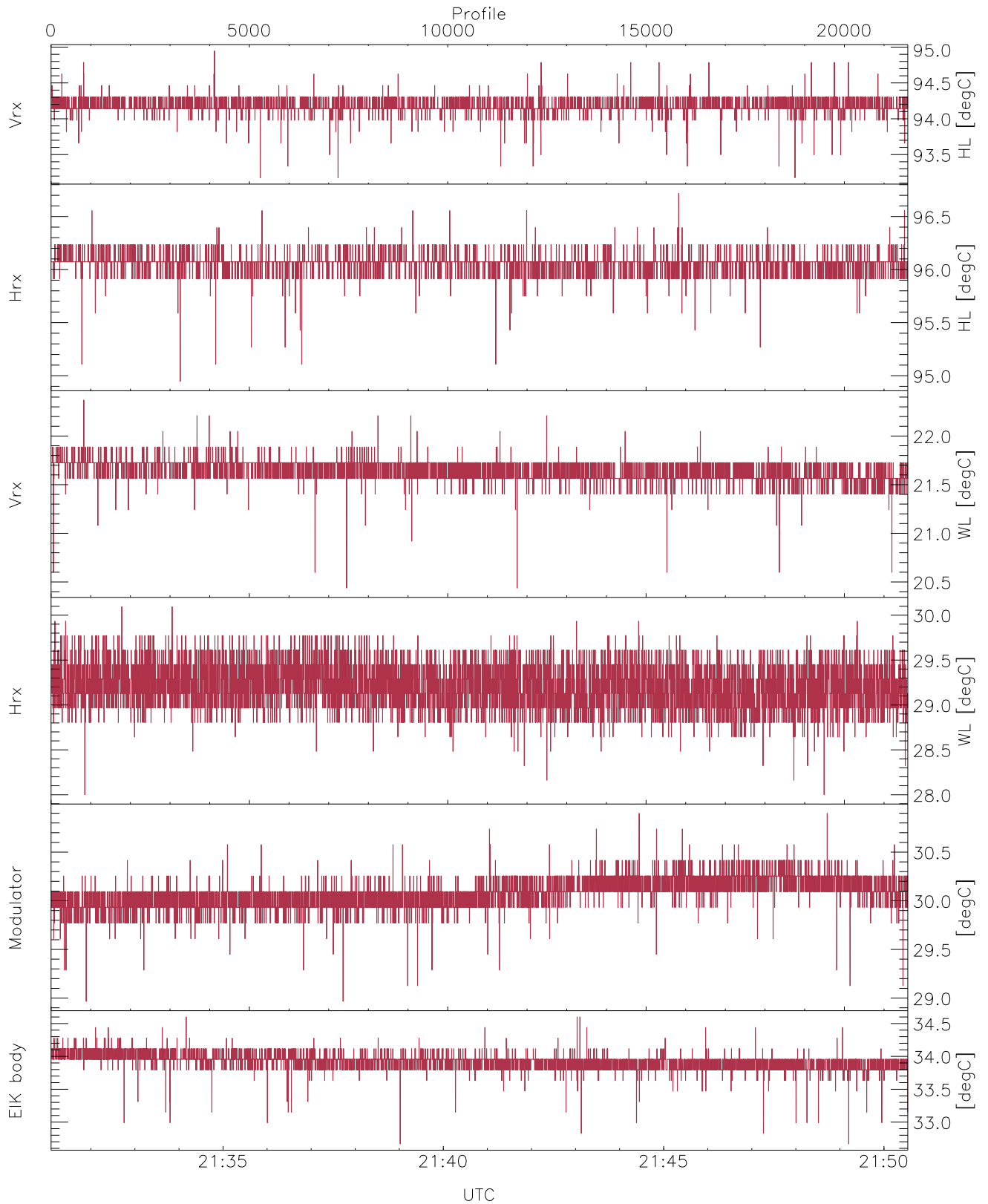


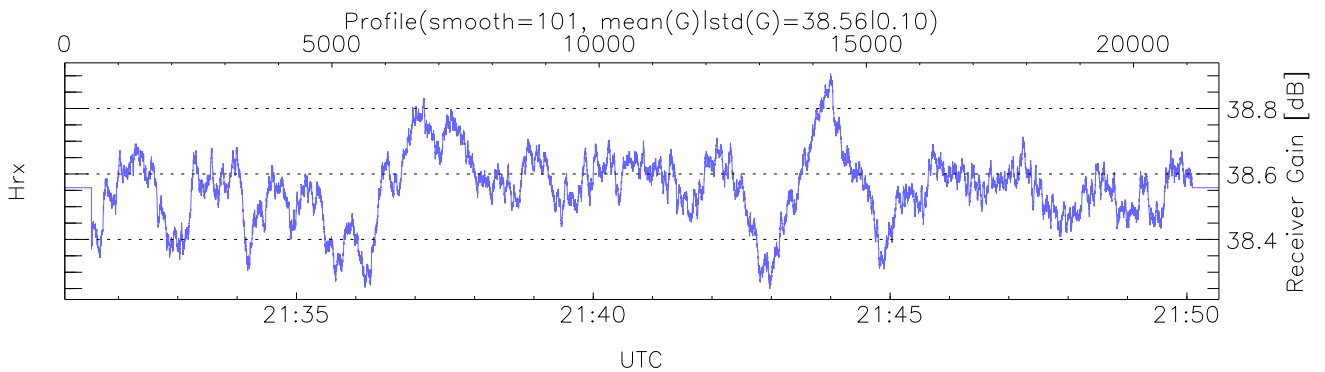
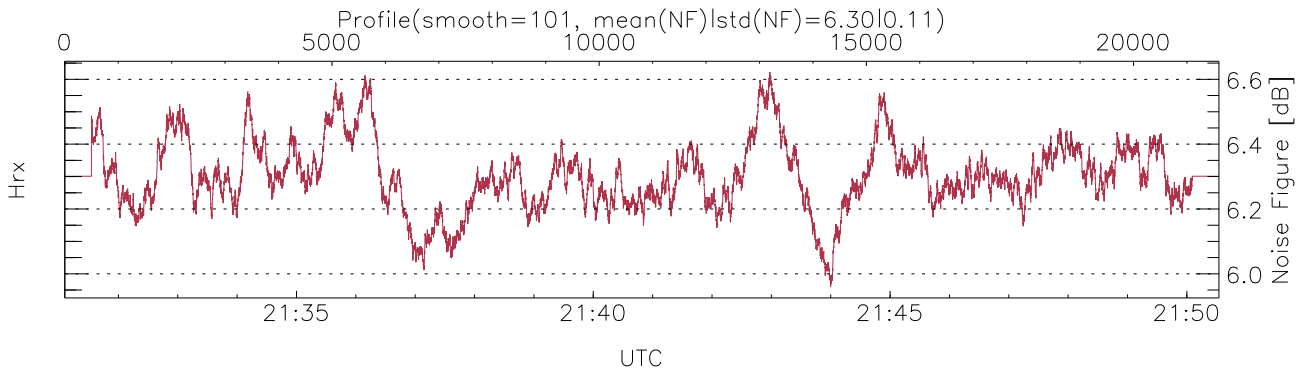
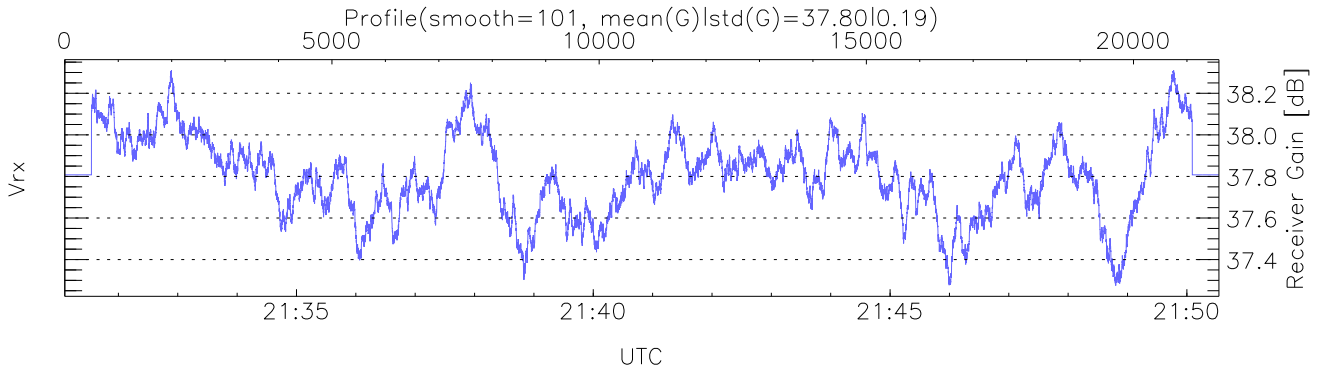
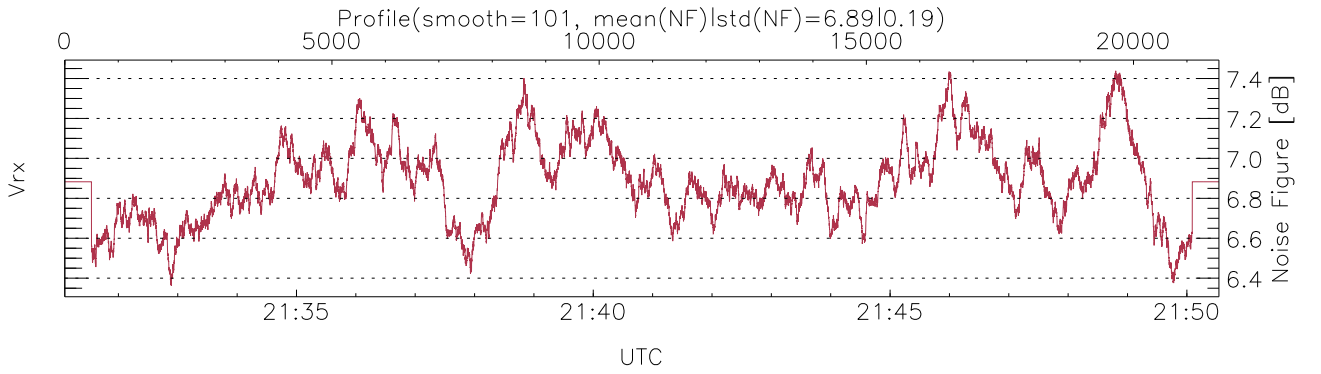
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 21:31:06-22:13:48, Dur: 2561.92s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 54.0,54.0,54.0,0.0 ms / 19,19,19
 NumRec(r/t): 21600/47432, 0-21599/21:31:06-21:50:32
 AcqTime: 54.0ms, Rate: 287KB/s, Averages: 180
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



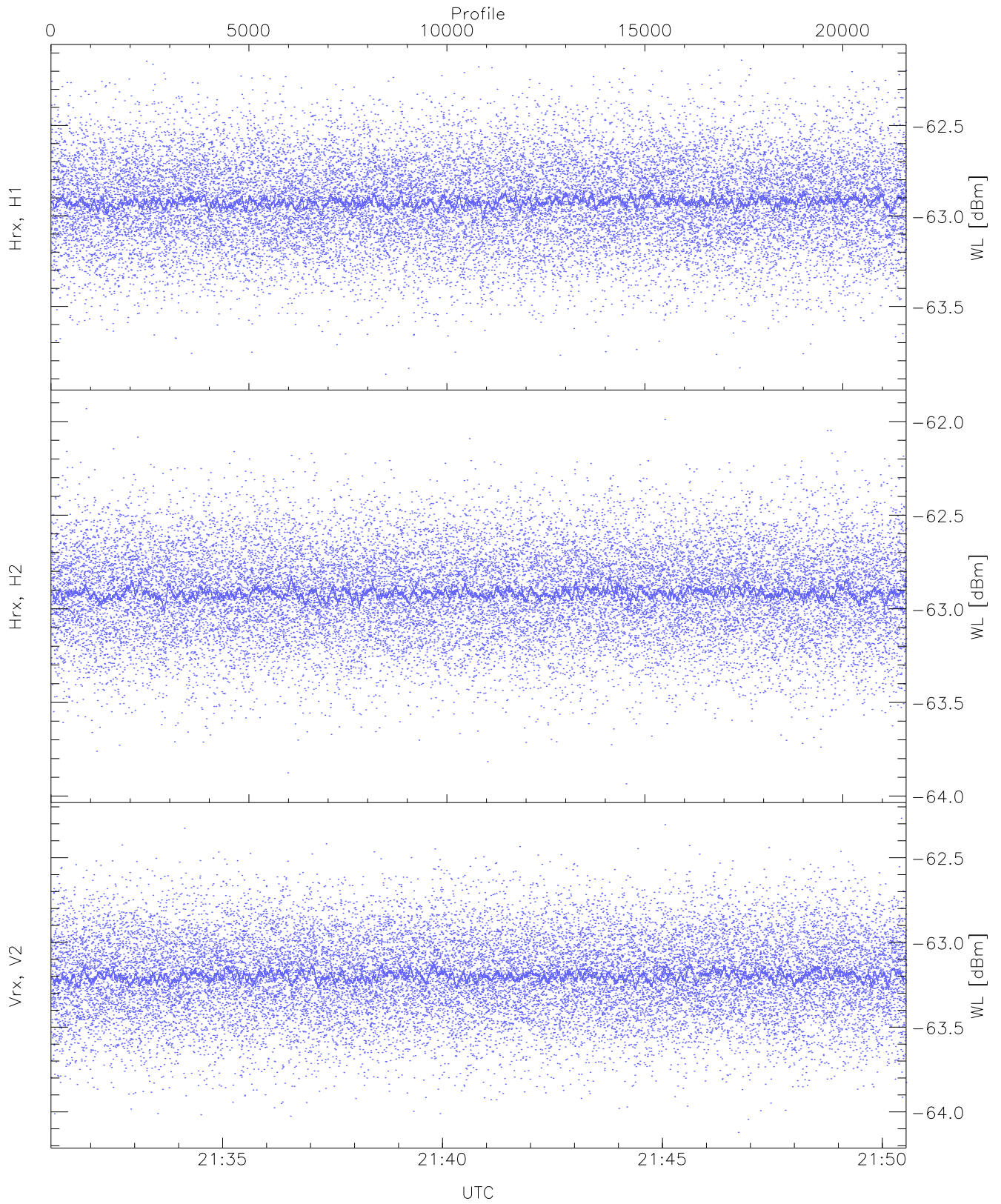
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,20,28,28,32
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,22,30,30,34
 LOalarm(20,80,240,2.8,14.8 MHz): None
 EIK Faults(# prof affected):
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (15,10,20,20,15,10)



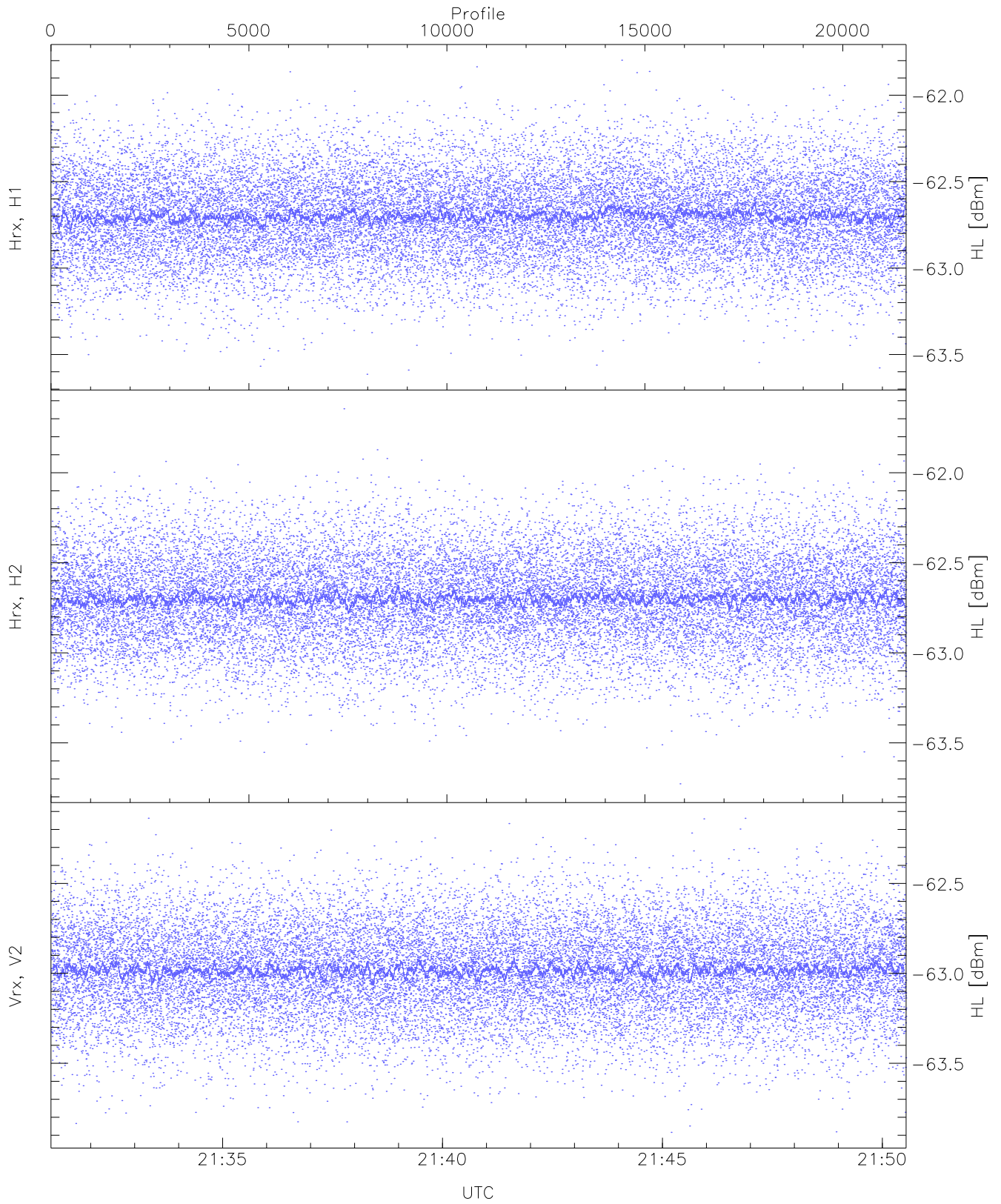
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 5 pixs, 3 gates, 5 profs, 2 prods



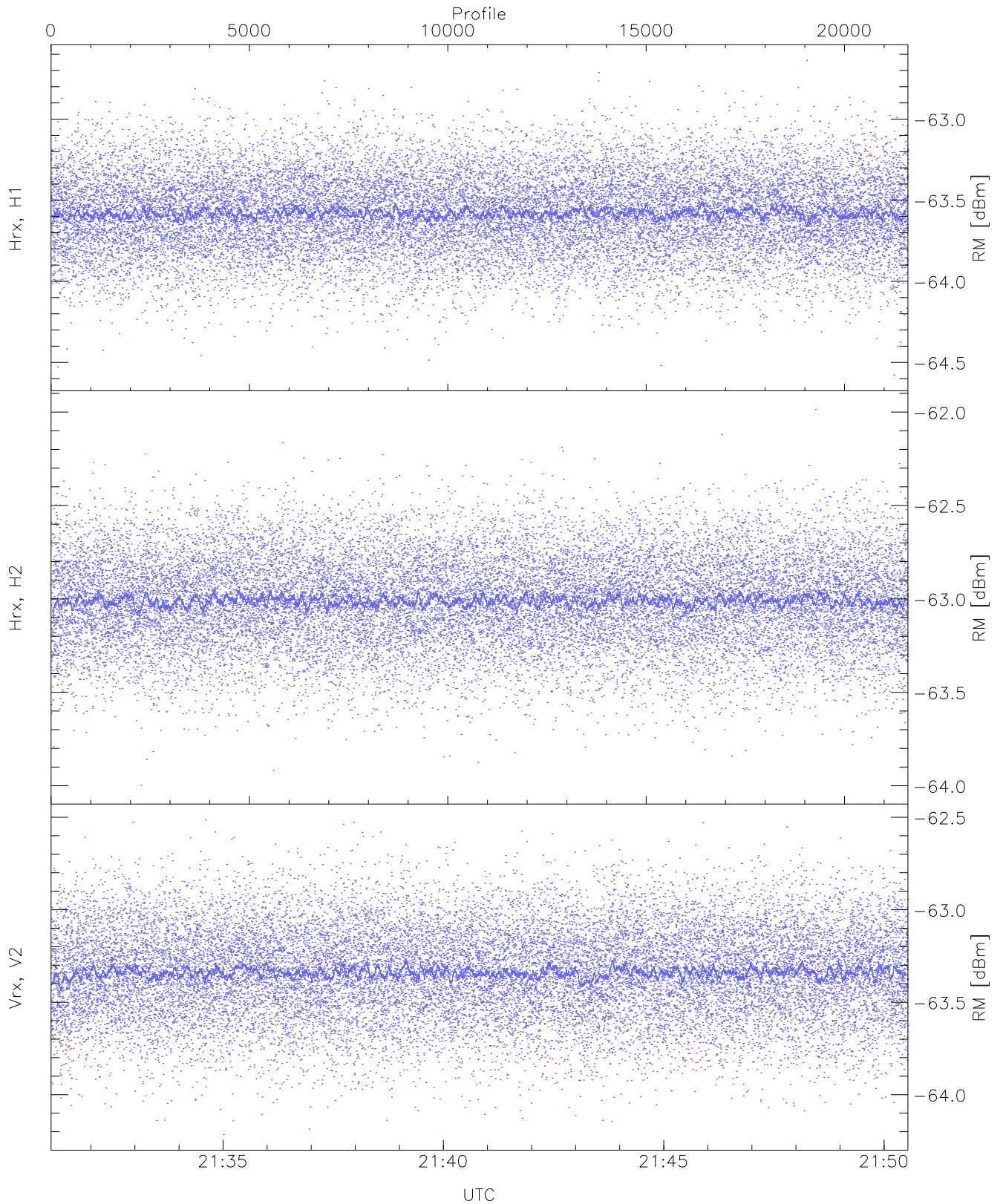
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.88 | -62.14 | -62.92 | -62.92 | -75.63 |
| Hrx, H2 (WL [dBm]) | -63.93 | -61.93 | -62.91 | -62.91 | -75.59 |
| Vrx, V2 (WL [dBm]) | -64.12 | -62.27 | -63.19 | -63.20 | -75.84 |



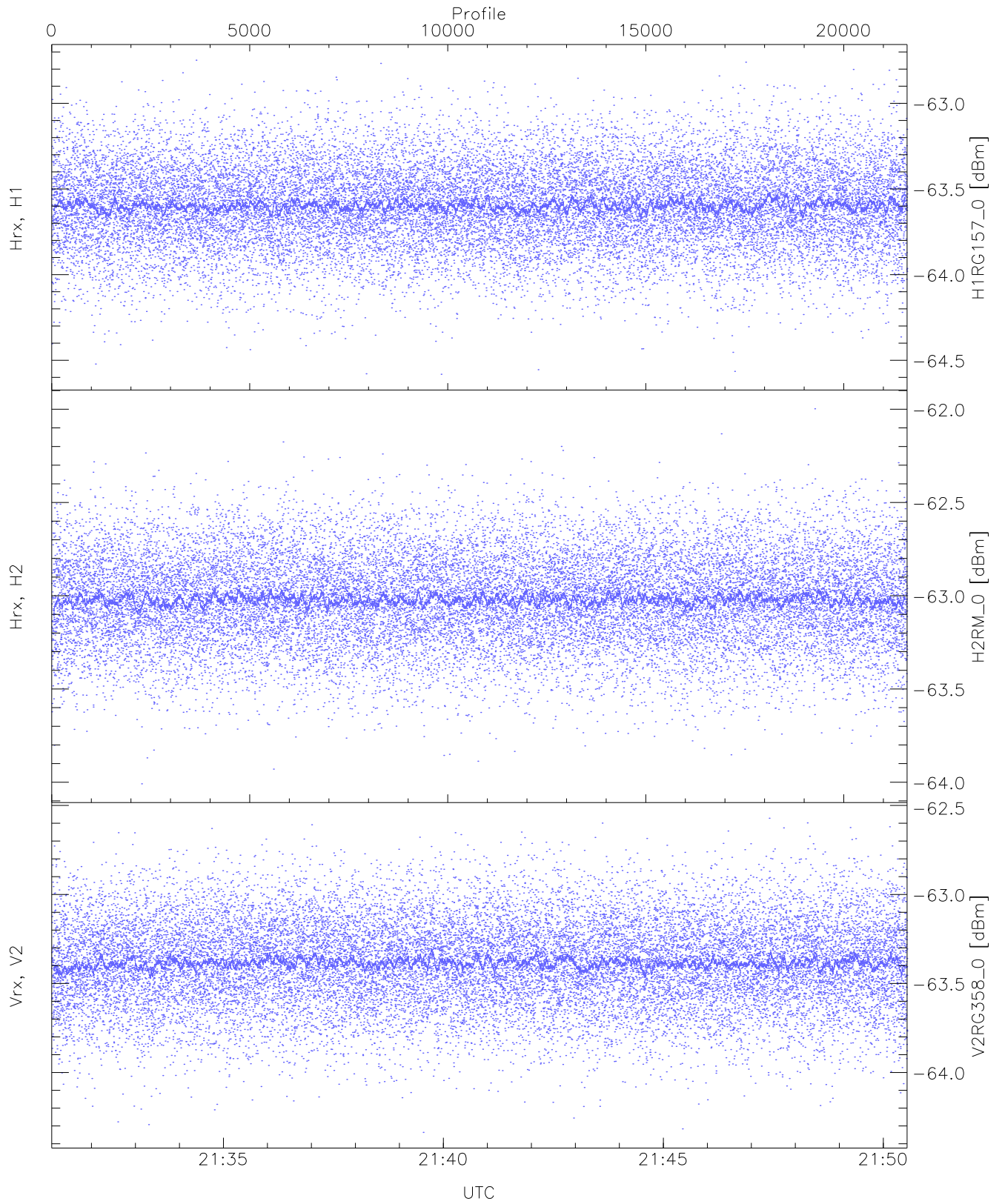
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.61 | -61.80 | -62.70 | -62.70 | -75.42 |
| Hrx, H2 (HL [dBm]) | -63.73 | -61.64 | -62.70 | -62.70 | -75.40 |
| Vrx, V2 (HL [dBm]) | -63.88 | -62.14 | -62.98 | -62.98 | -75.71 |



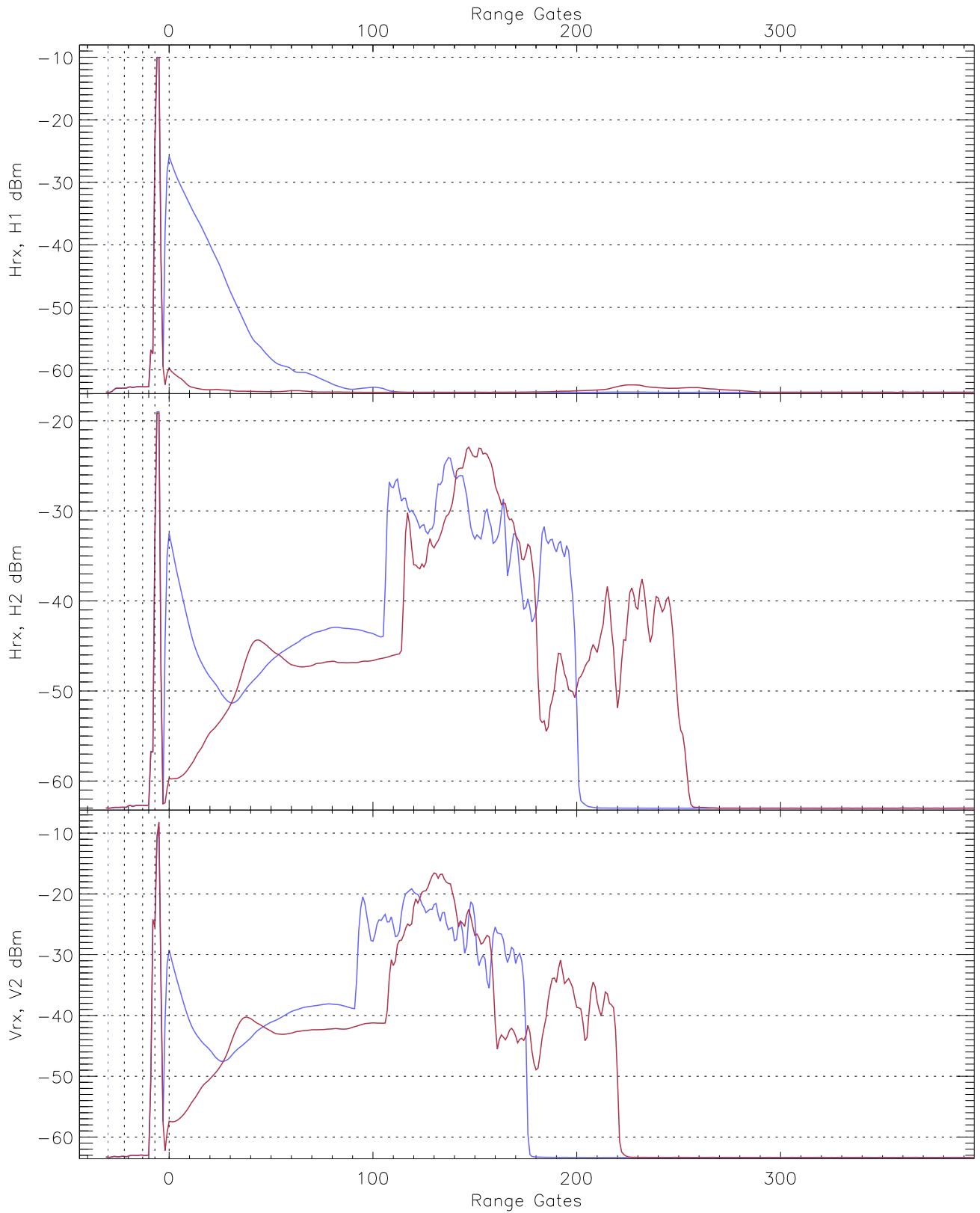
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(RM [dBm]) | -64.58 | -62.64 | -63.58 | -63.58 | -76.25 |
| Hrx, H2(RM [dBm]) | -64.00 | -61.99 | -63.01 | -63.01 | -75.73 |
| Vrx, V2(RM [dBm]) | -64.22 | -62.51 | -63.34 | -63.34 | -76.02 |

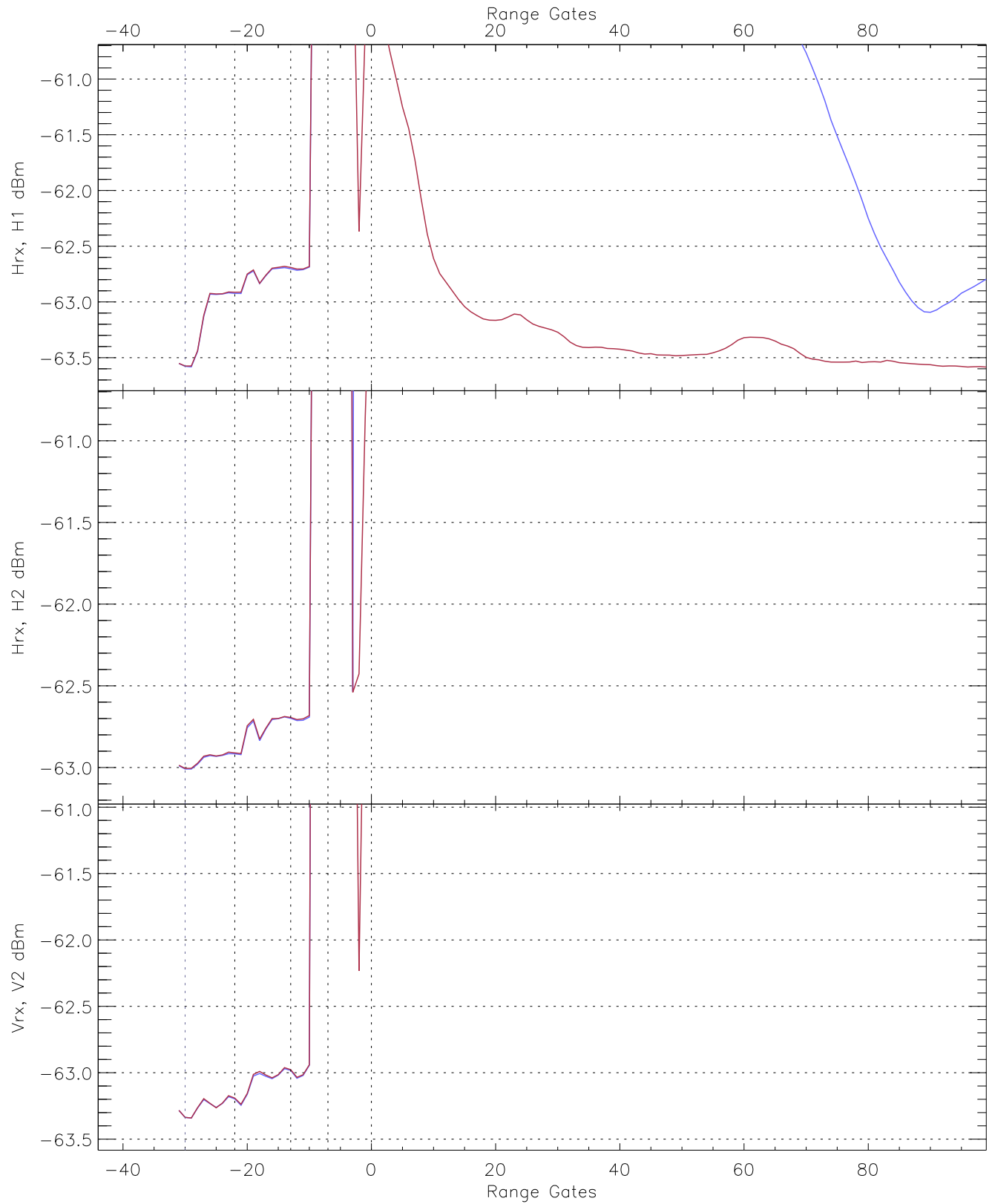


WCR2 CPP "Best" estimate Receivers Noise Power

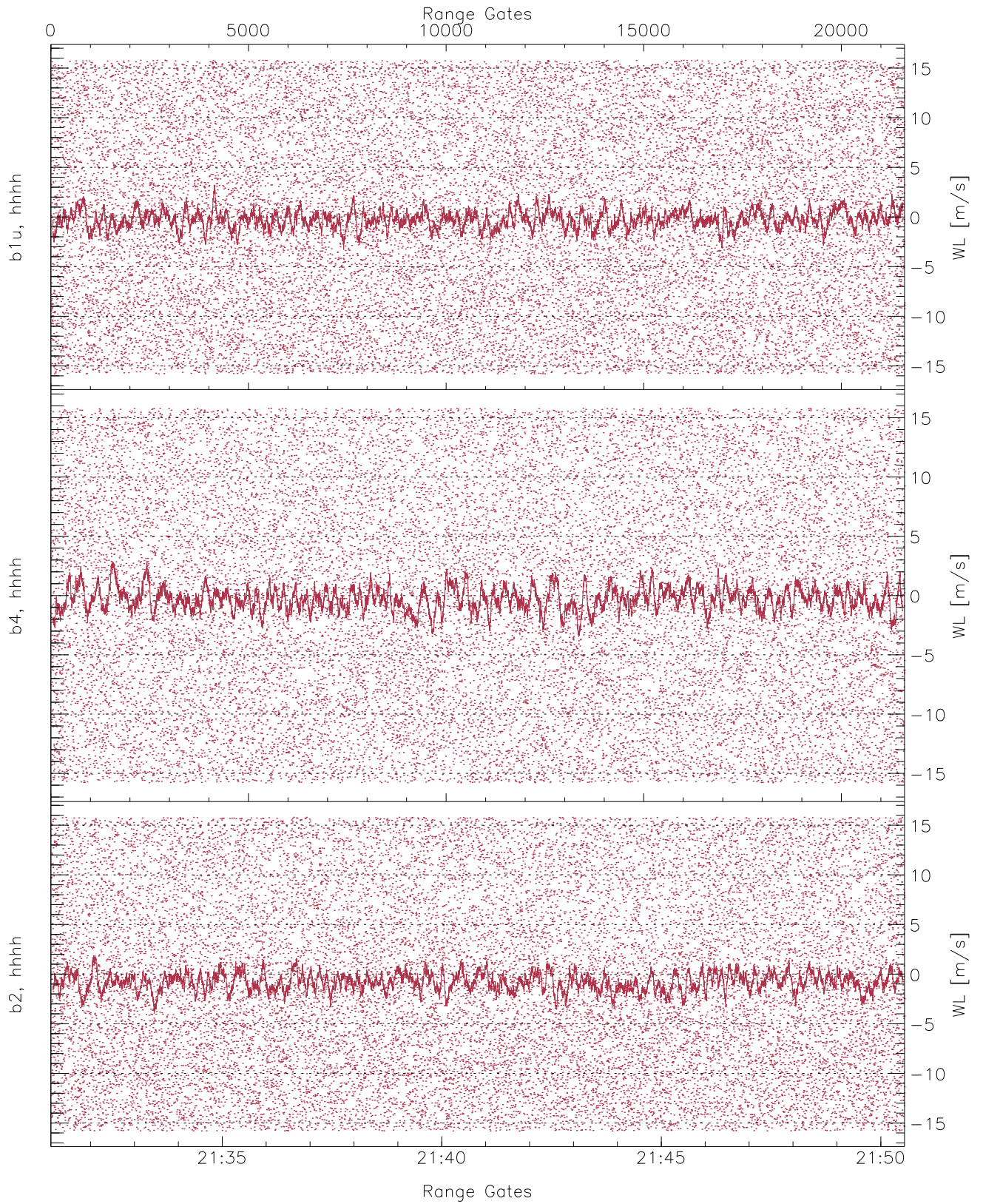
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG157_0 [dBm] | -64.58 | -62.75 | -63.59 | -63.60 | -76.28 |
| H2RM_0 [dBm] | -64.01 | -62.00 | -63.02 | -63.02 | -75.74 |
| V2RG358_0 [dBm] | -64.34 | -62.57 | -63.38 | -63.38 | -76.06 |



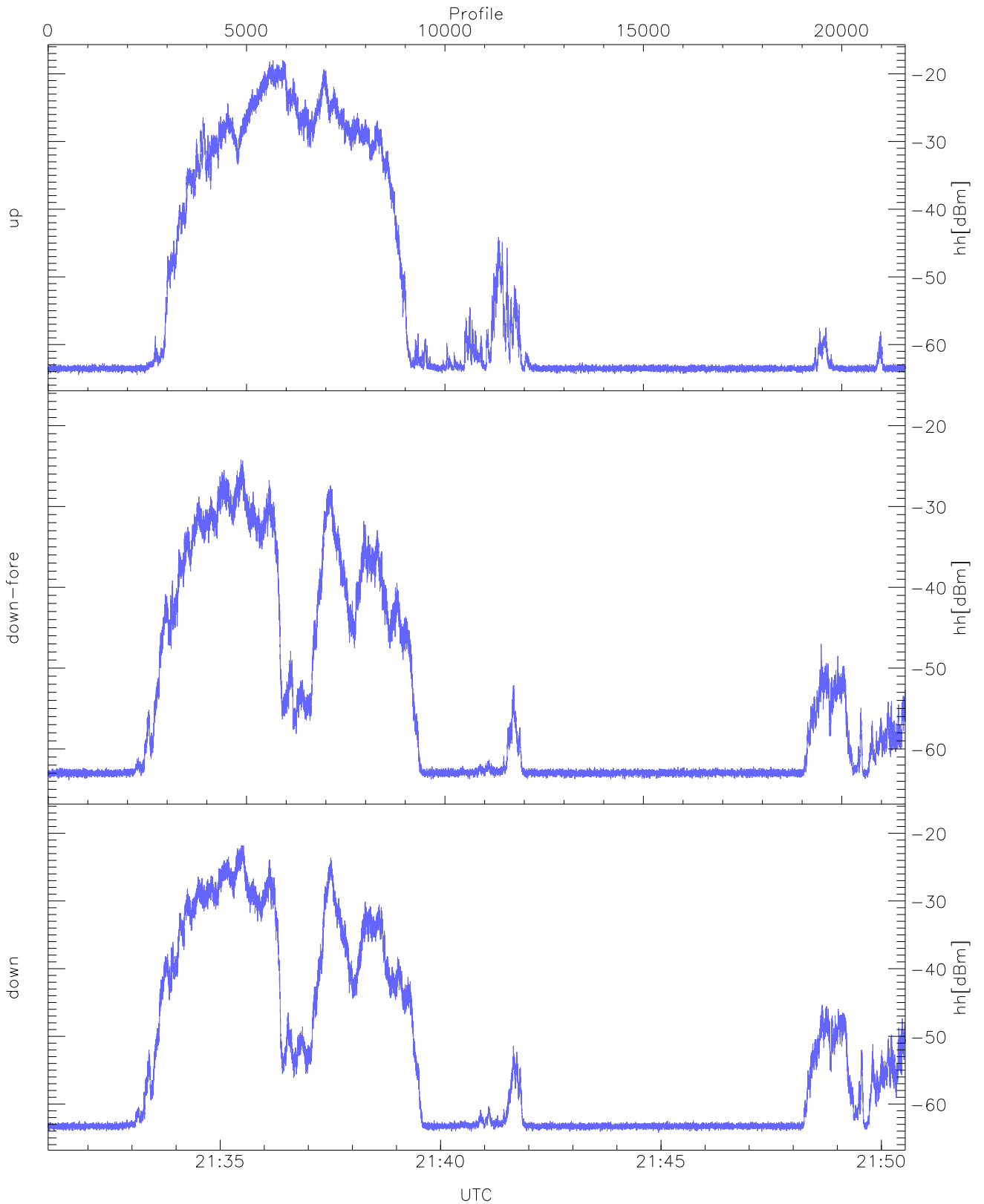
WCR2 CPP Averaged Received power for all recorded gates
blue: 213106-214049, 10801 profiles averaged
red: 214049-215032, 10800 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 213106-214049, 10801 profiles averaged
red: 214049-215032, 10800 profiles averaged

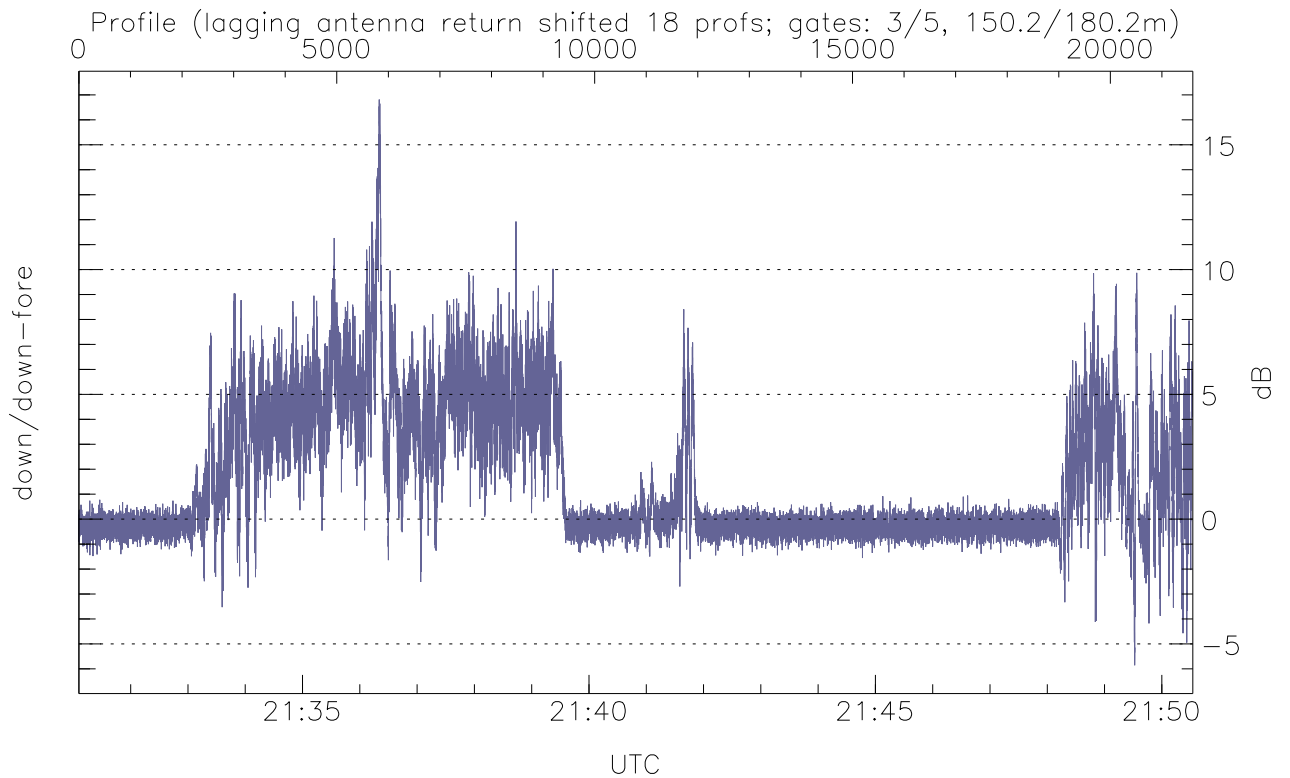
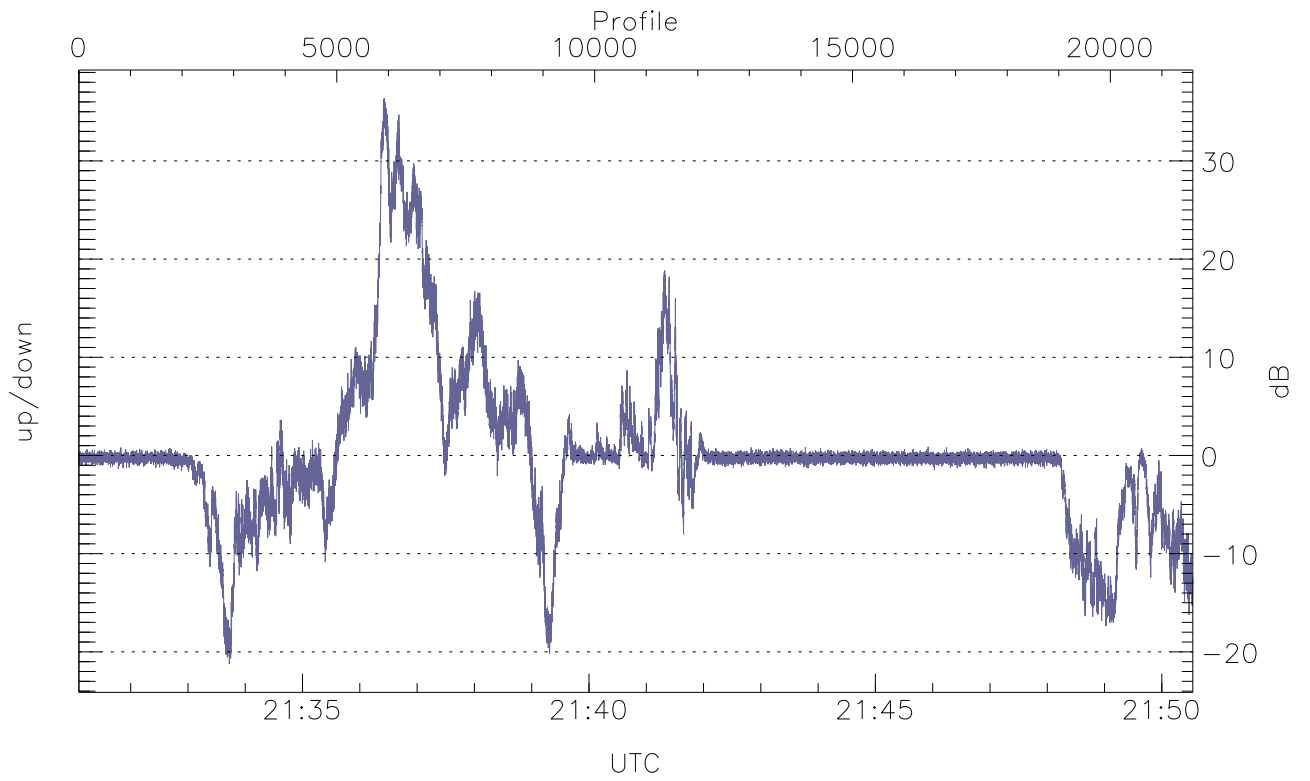


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



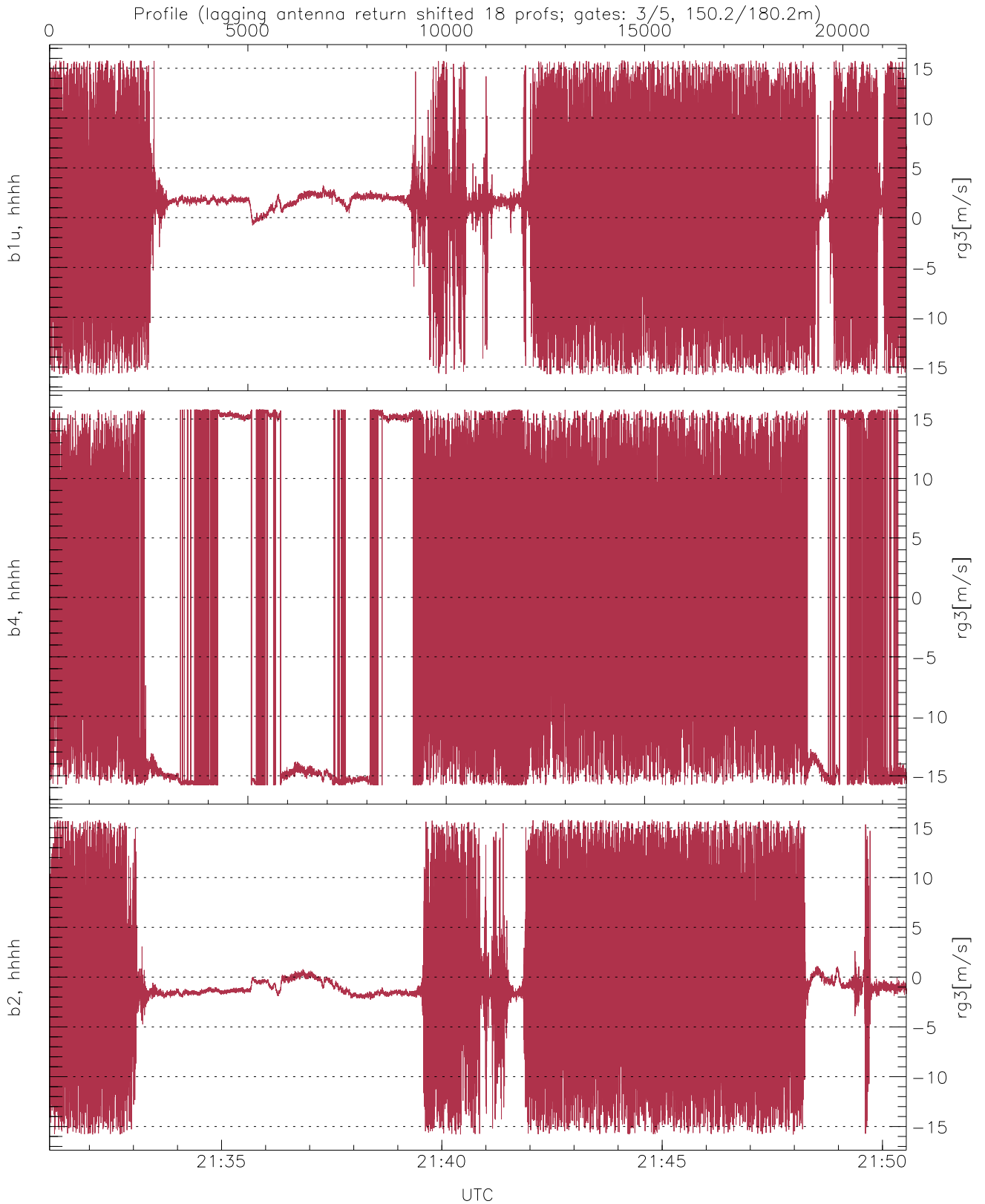
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.50 | -18.00 | -31.57 |
| down-fore(hh[dBm]) | -63.87 | -24.22 | -38.91 |
| down(hh[dBm]) | -64.20 | -21.76 | -36.12 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 3 (150 m)

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -21.24 | 36.37 | 0.22 |
| down/down-fore (dB) | -5.86 | 16.81 | 1.63 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.80 | 15.80 | 0.63 | 6.66 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | -2.17 | 12.17 |
| b2, hhhh(rg3[m/s]) | -15.80 | 15.80 | -0.76 | 6.28 |