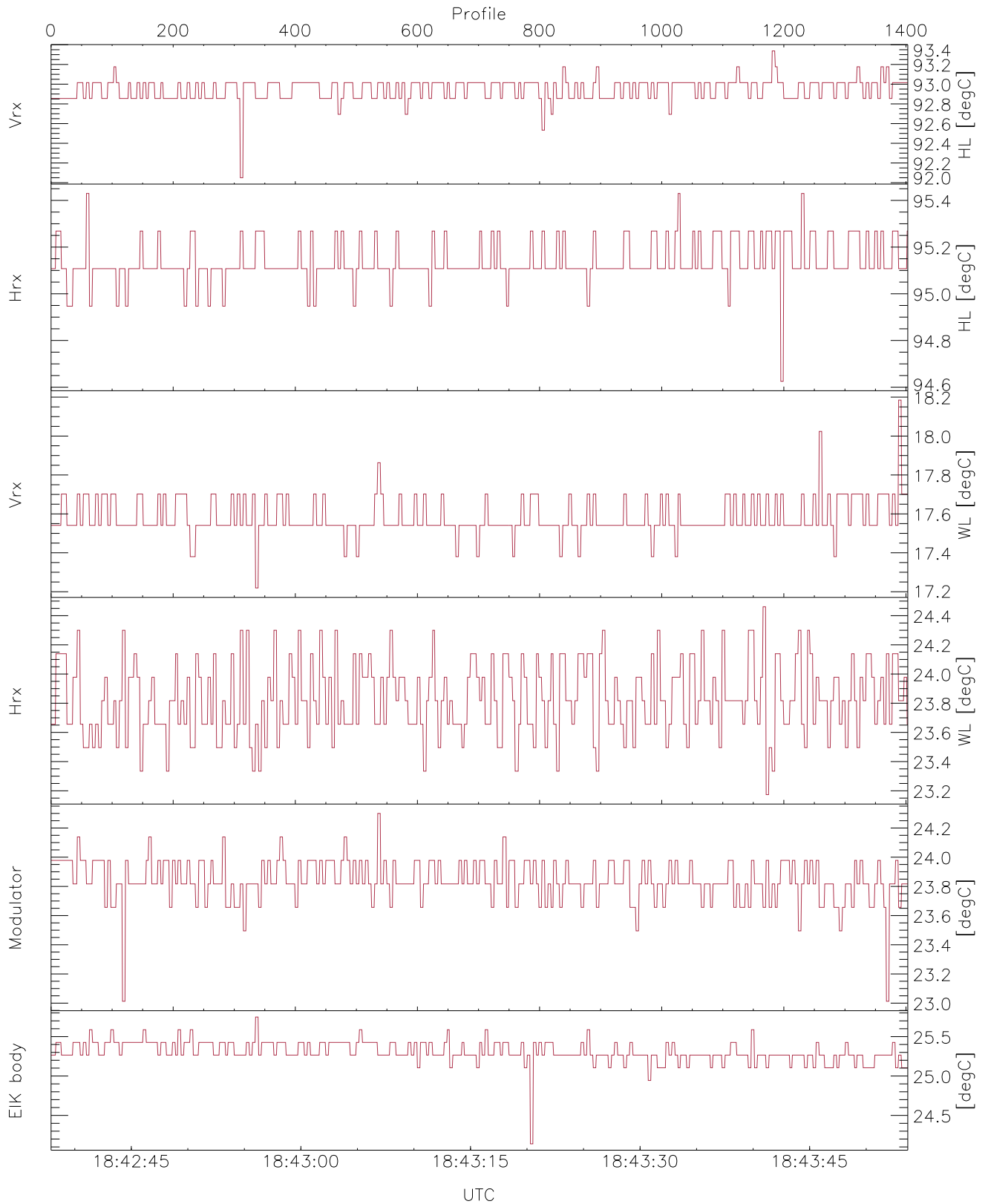


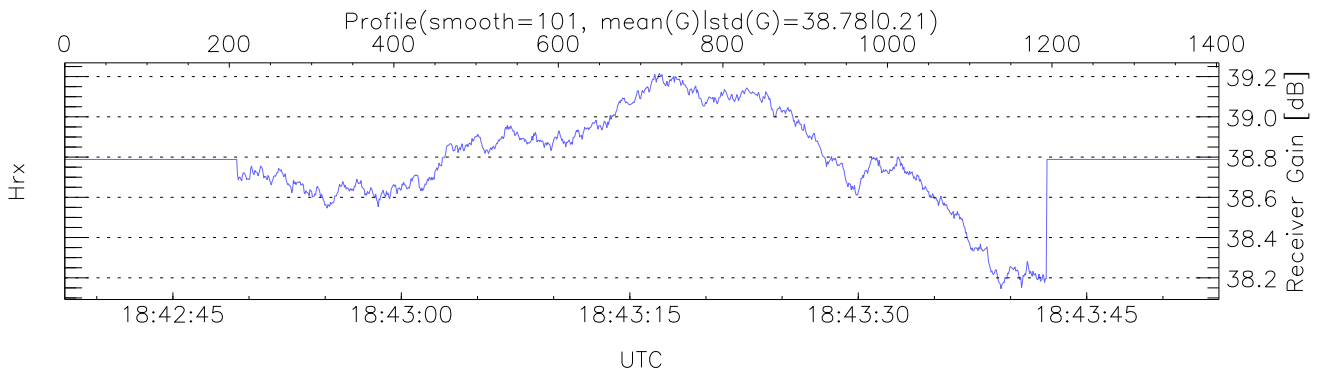
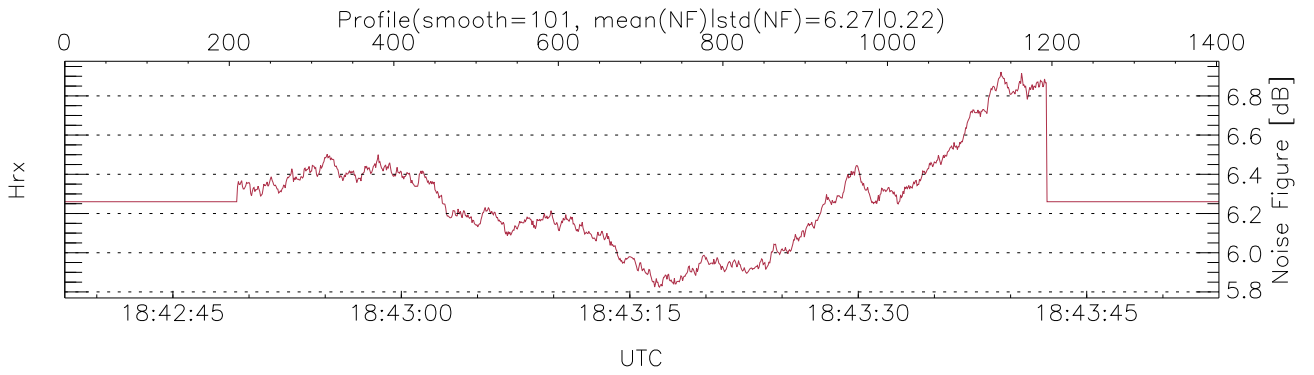
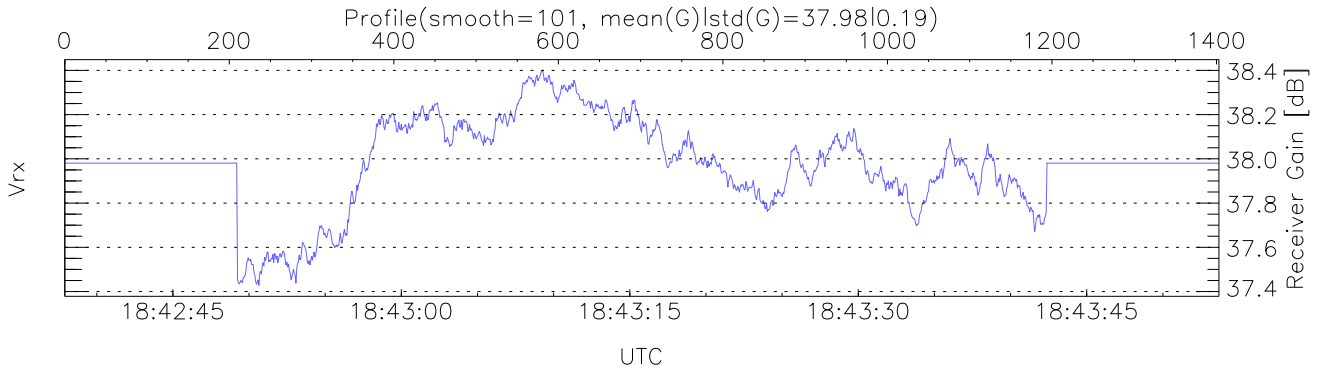
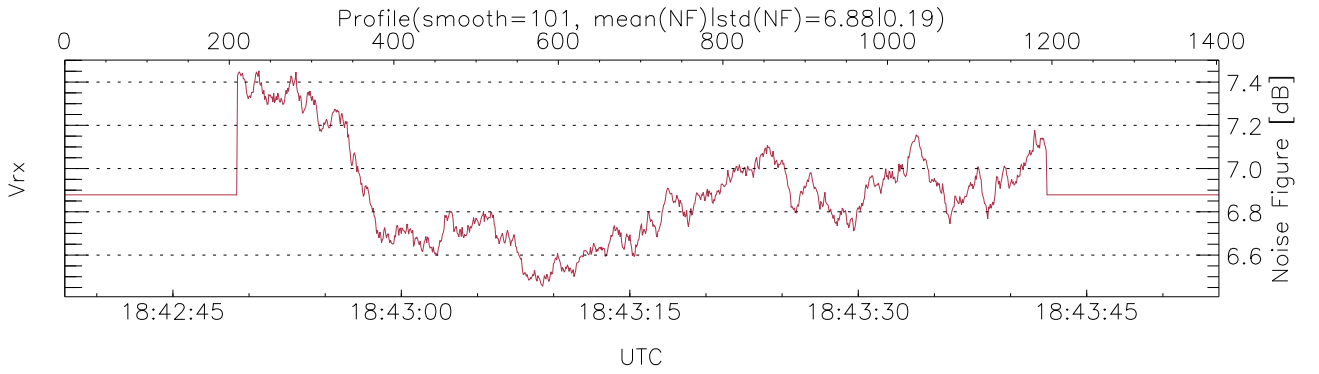
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:42:38-18:43:54, Dur: 75.78s  
 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): 1404/1404, 0-1403/18:42:38-18:43:54  
 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



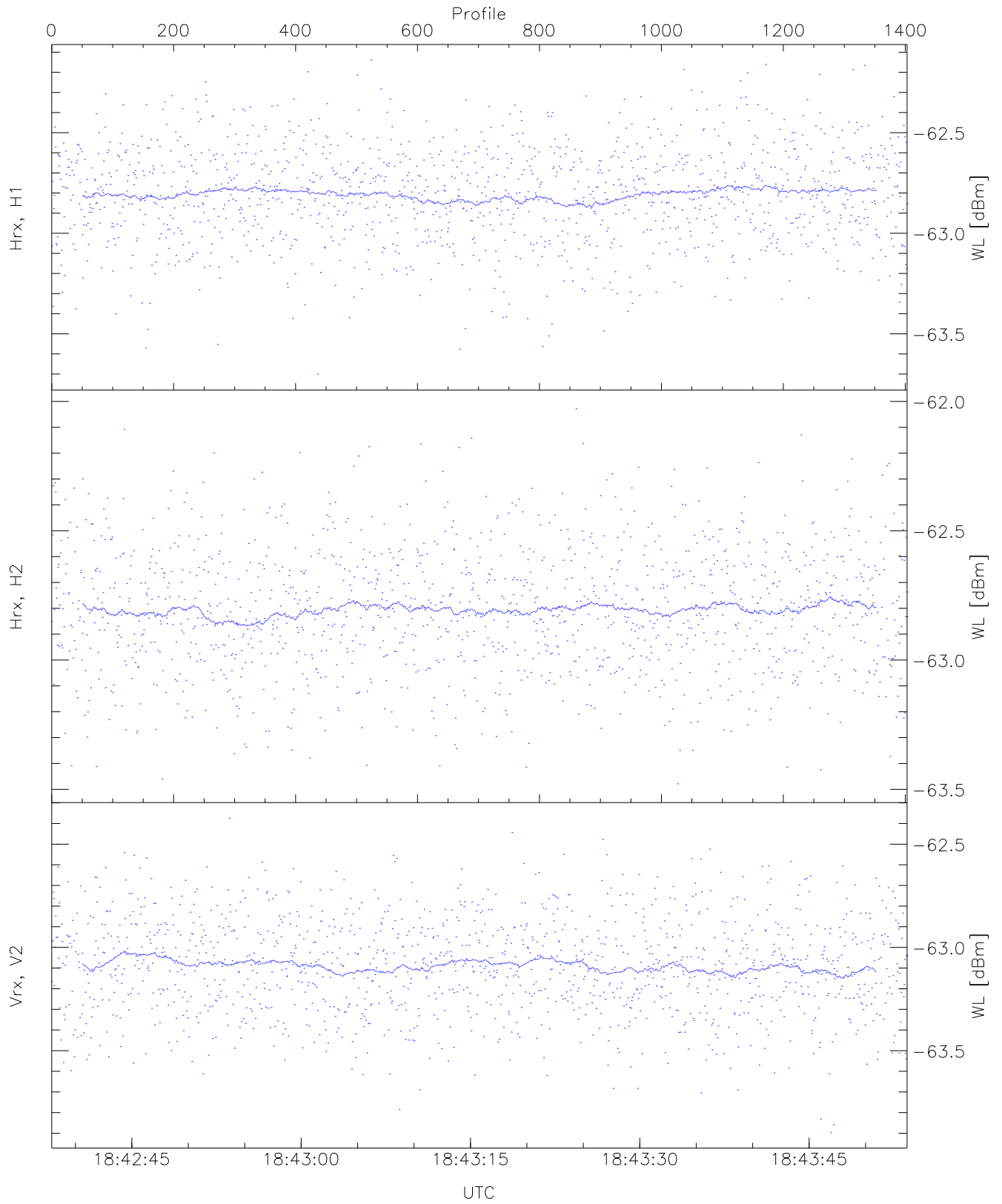
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,17,23,23,24  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,18,24,24,25  
LOalarm(20,80,240,2.8,14.8 MHz): None  
EIK/Modulator Faults: None



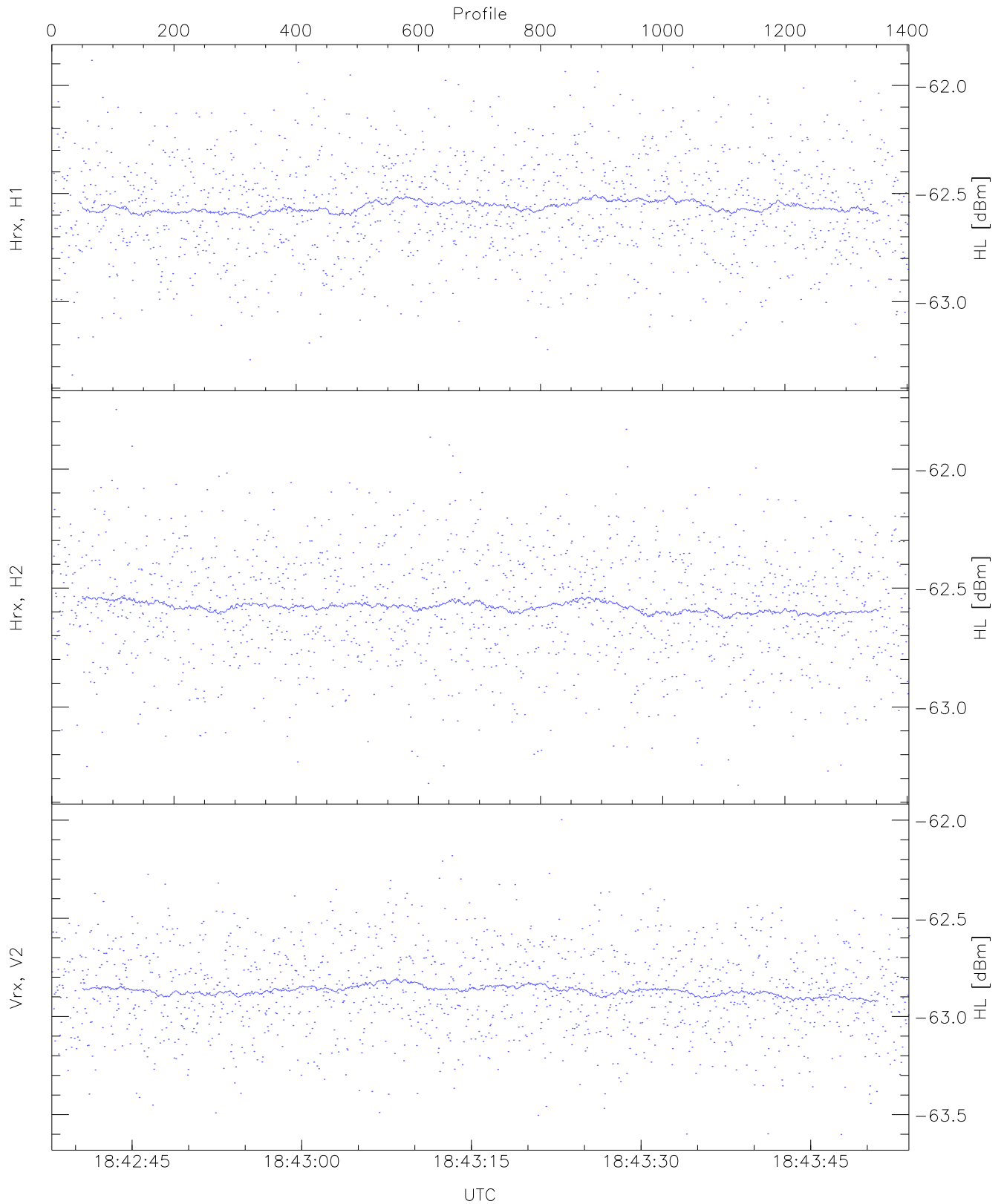
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 8 pixs, 1 gates, 8 profs, 1 prods



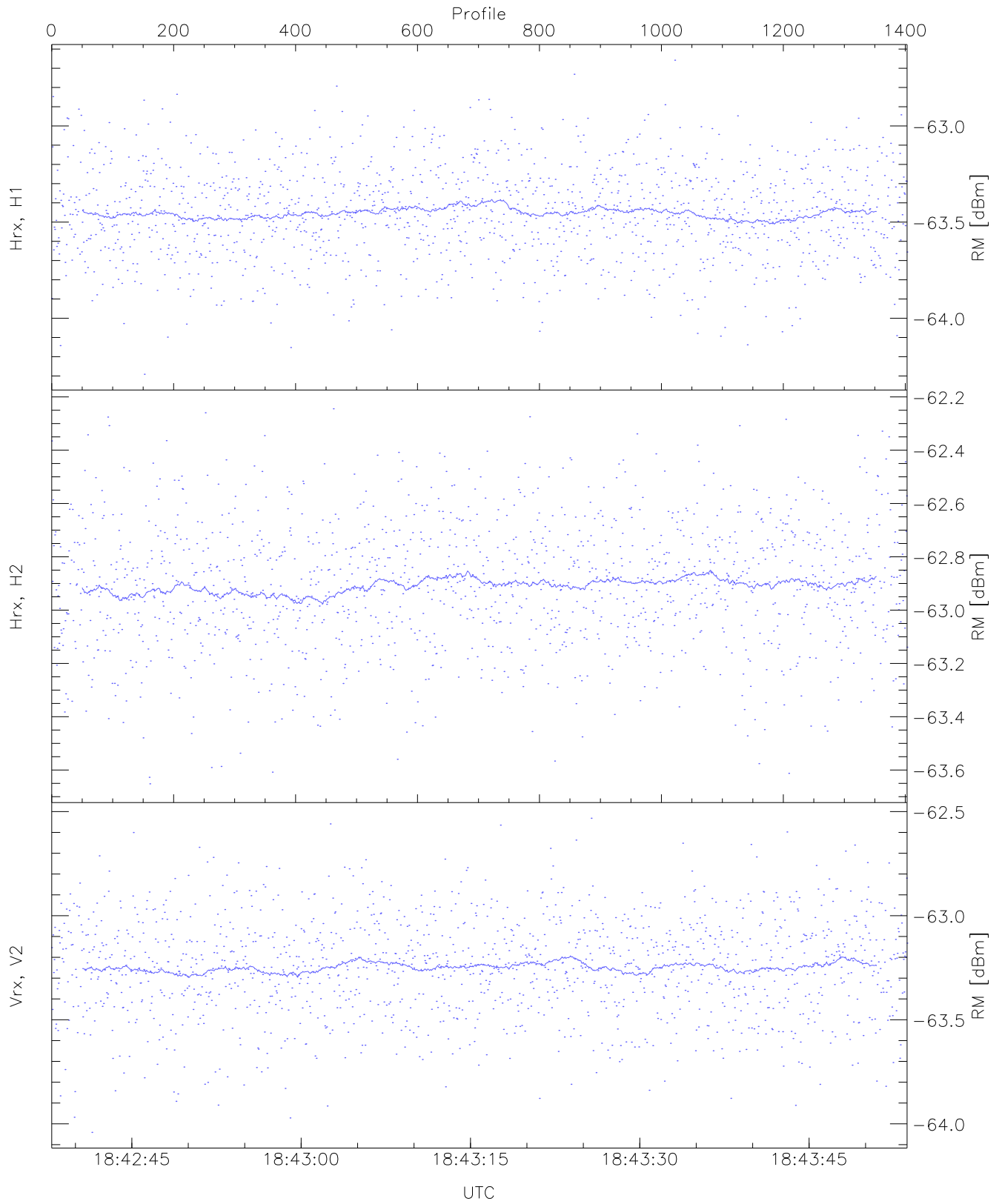
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.70 | -62.14 | -62.80 | -62.80 | -75.47 |
| Hrx, H2 (WL [dBm]) | -63.48 | -62.03 | -62.80 | -62.81 | -75.43 |
| Vrx, V2 (WL [dBm]) | -63.90 | -62.37 | -63.09 | -63.09 | -75.84 |



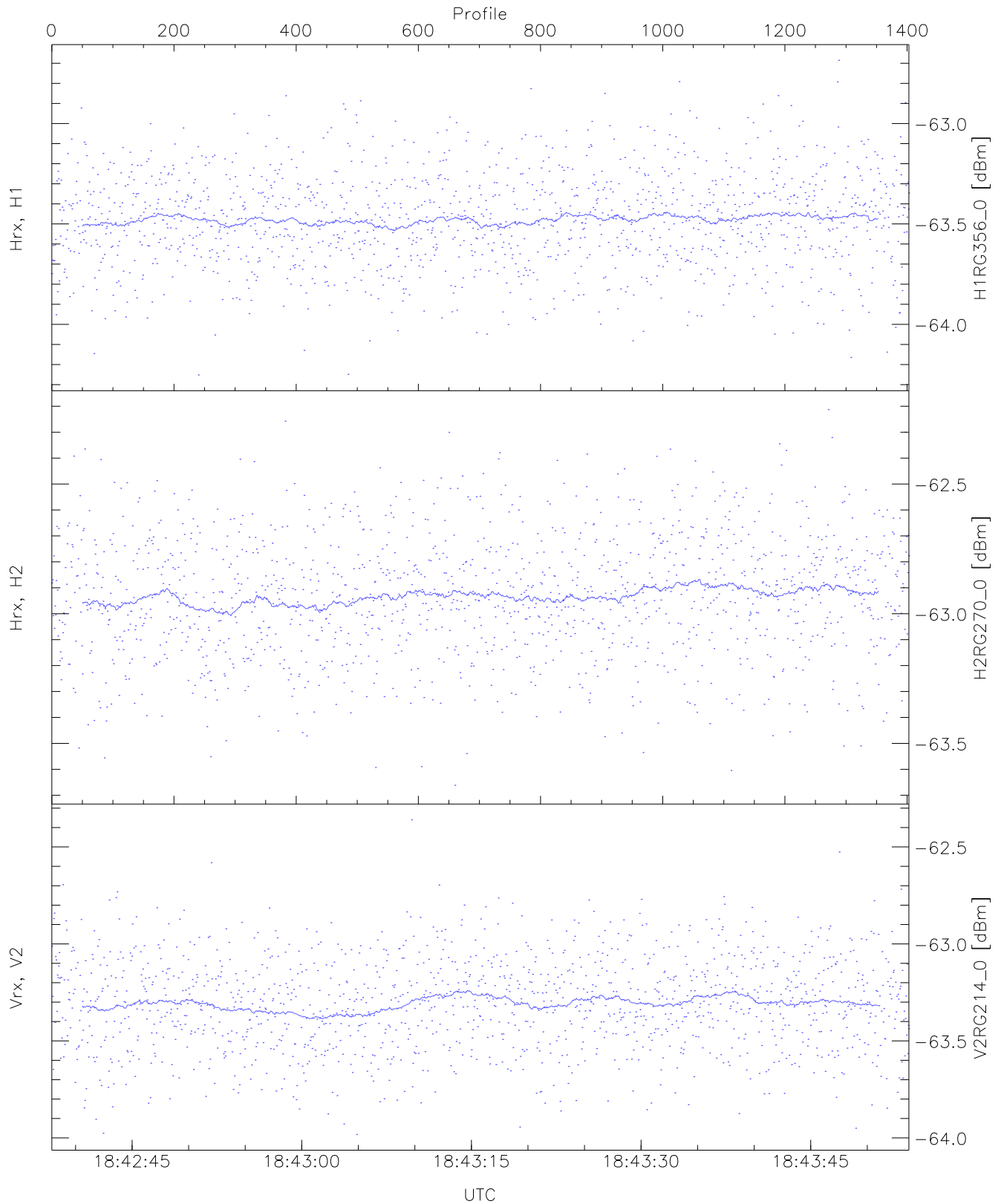
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.34 | -61.88 | -62.56 | -62.56 | -75.30 |
| Hrx, H2 (HL [dBm]) | -63.33 | -61.75 | -62.57 | -62.57 | -75.21 |
| Vrx, V2 (HL [dBm]) | -63.60 | -62.00 | -62.87 | -62.87 | -75.80 |



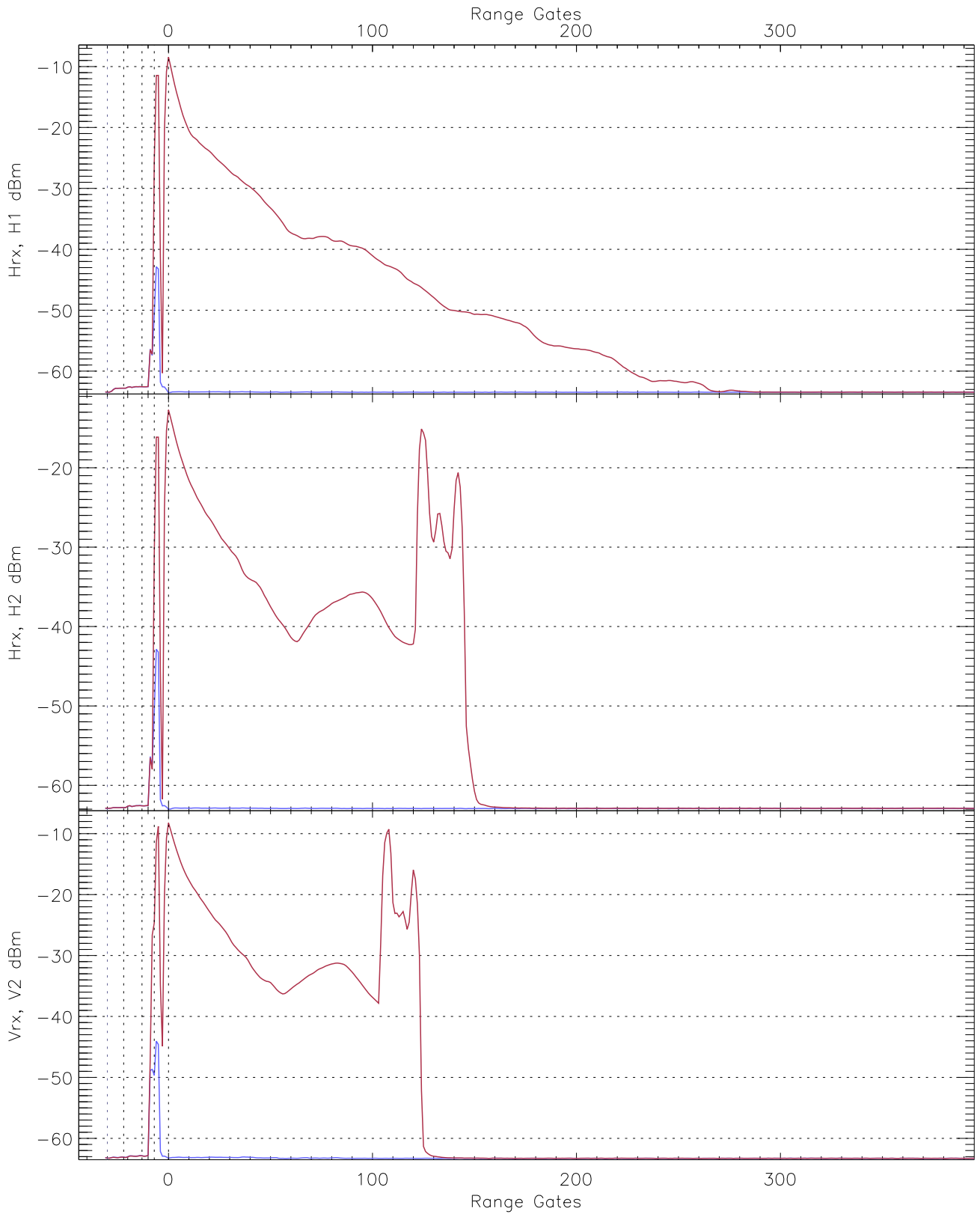
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.29 | -62.66 | -63.45 | -63.45 | -76.15 |
| Hrx, H2 (RM [dBm]) | -63.65 | -62.24 | -62.90 | -62.90 | -75.61 |
| Vrx, V2 (RM [dBm]) | -64.04 | -62.53 | -63.24 | -63.24 | -75.91 |



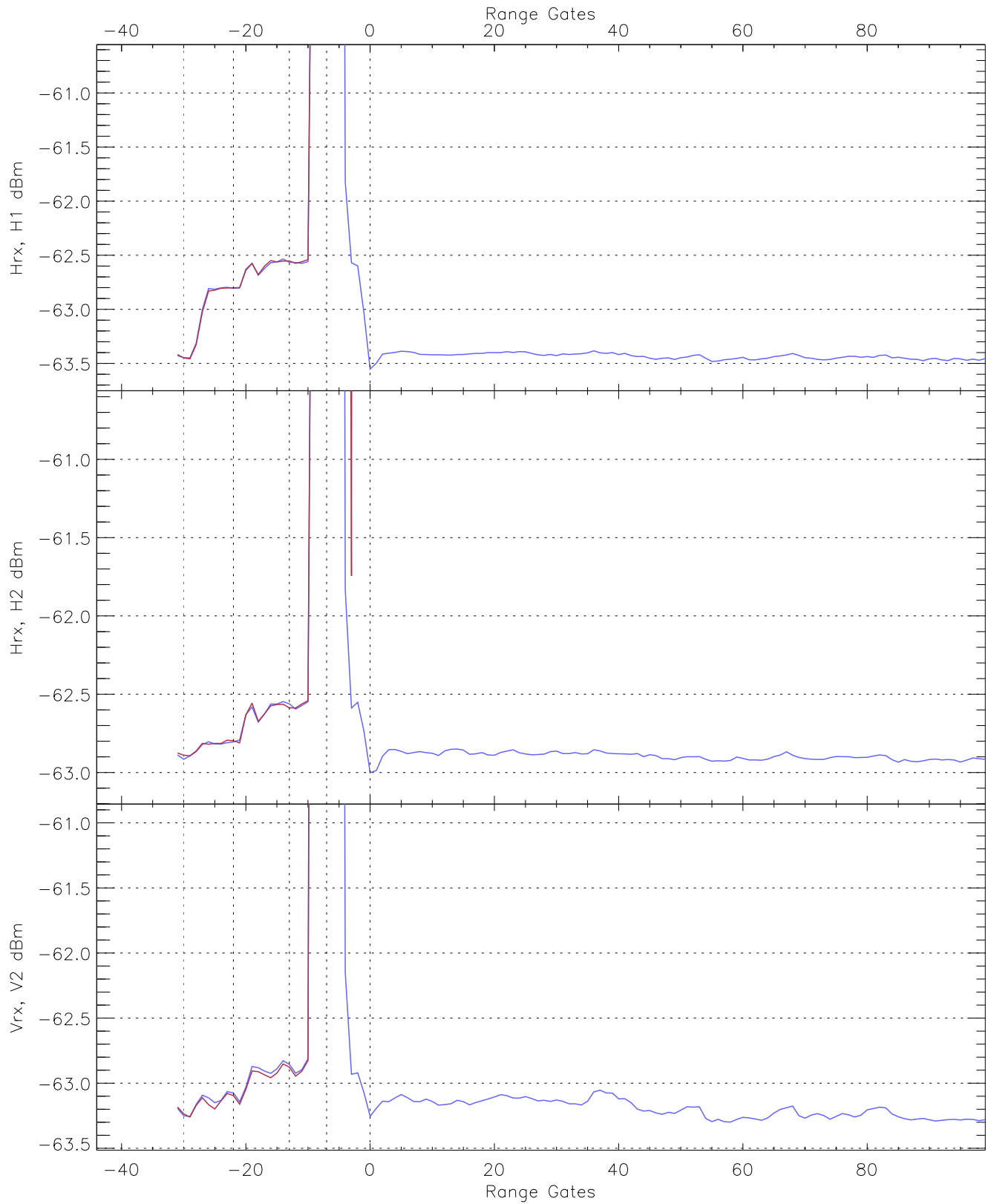
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG356_0 [dBm] | -64.25 | -62.69 | -63.48 | -63.48 | -76.18 |
| H2RG270_0 [dBm] | -63.66 | -62.21 | -62.93 | -62.93 | -75.70 |
| V2RG214_0 [dBm] | -63.98 | -62.36 | -63.30 | -63.30 | -75.98 |

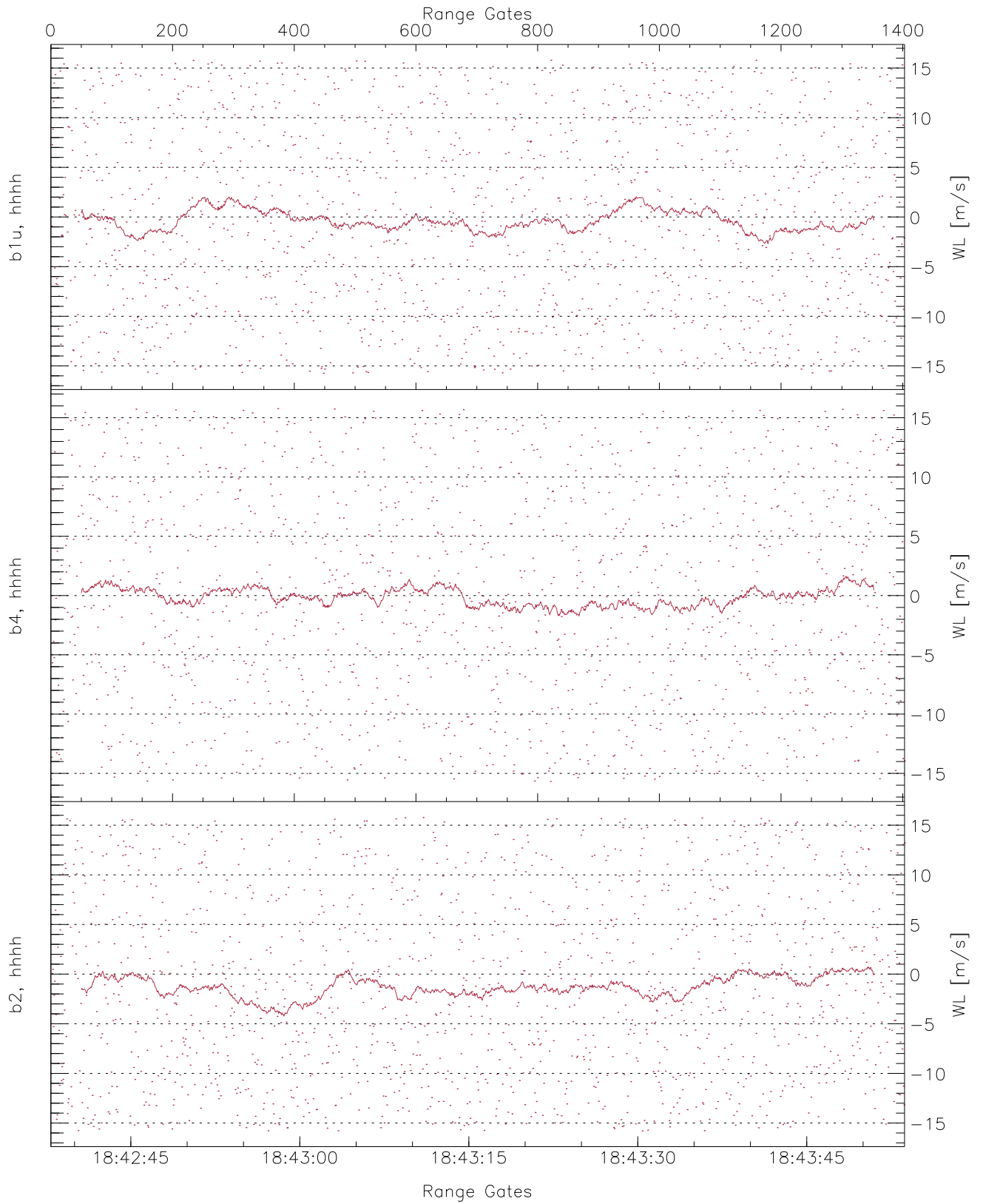


WCR2 CPP Averaged Received power for all recorded gates  
blue: 184238-184316, 703 profiles averaged  
red: 184316-184354, 702 profiles averaged

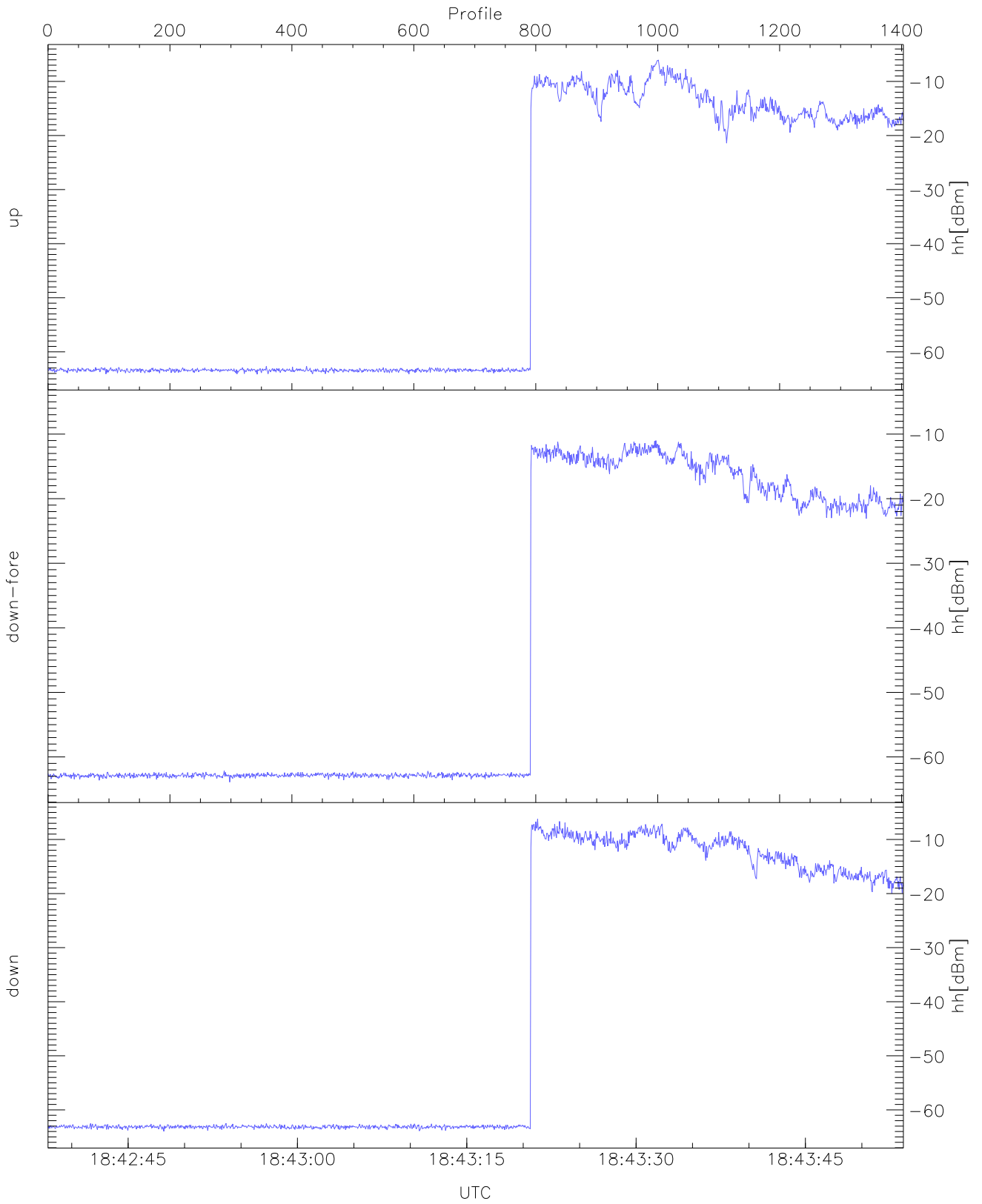




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 184238-184316, 703 profiles averaged  
red: 184316-184354, 702 profiles averaged

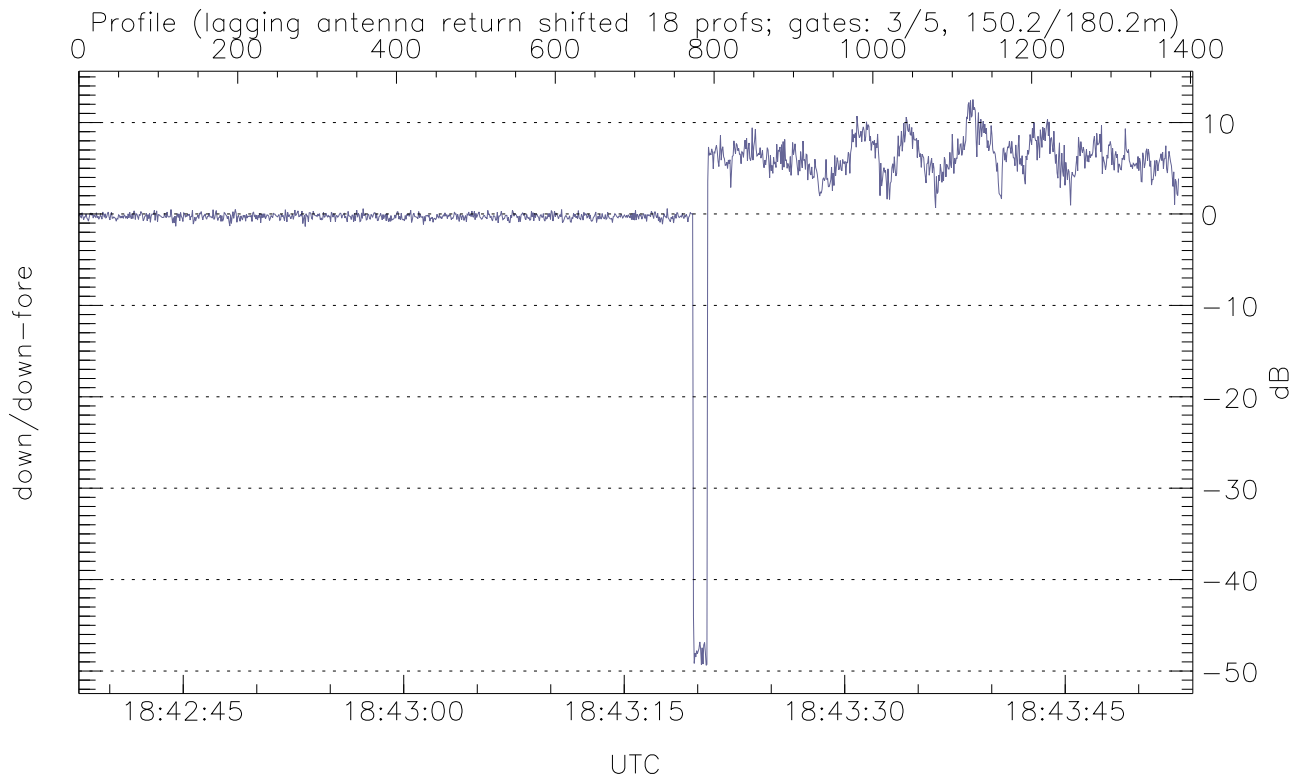
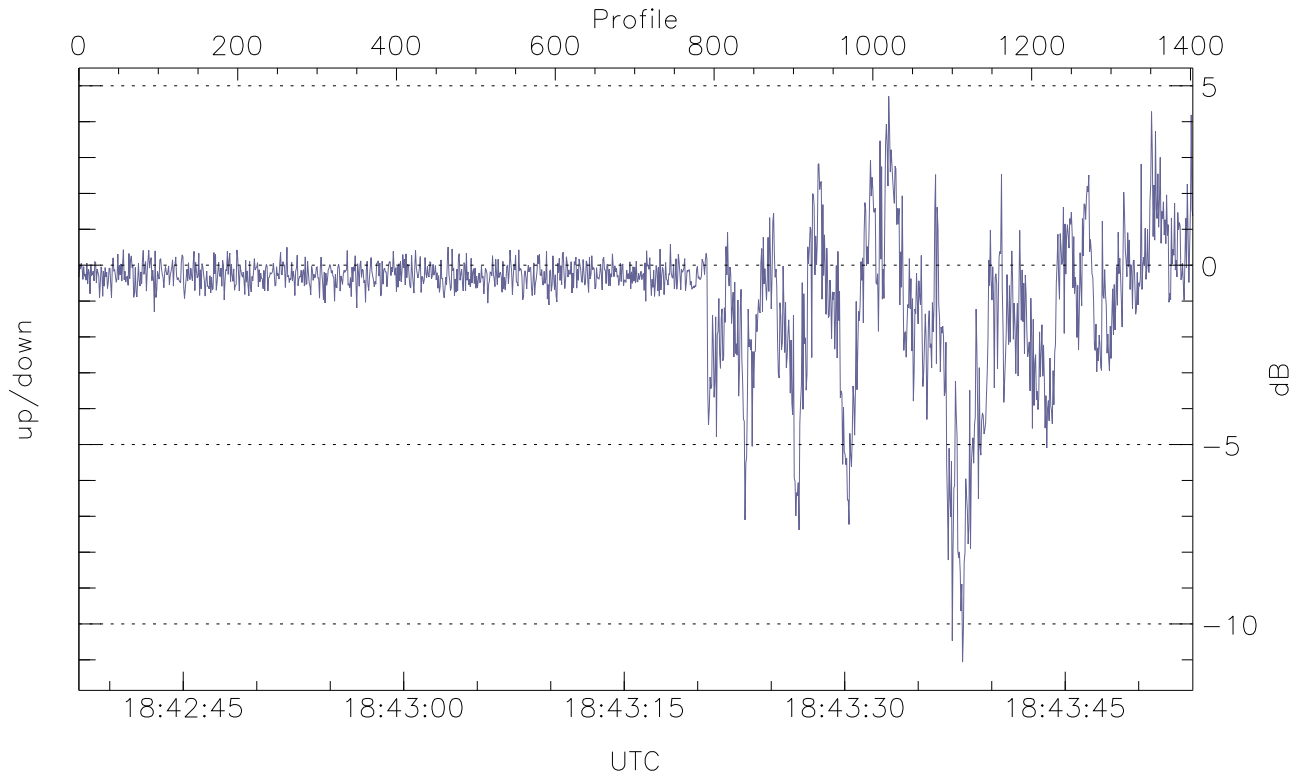


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



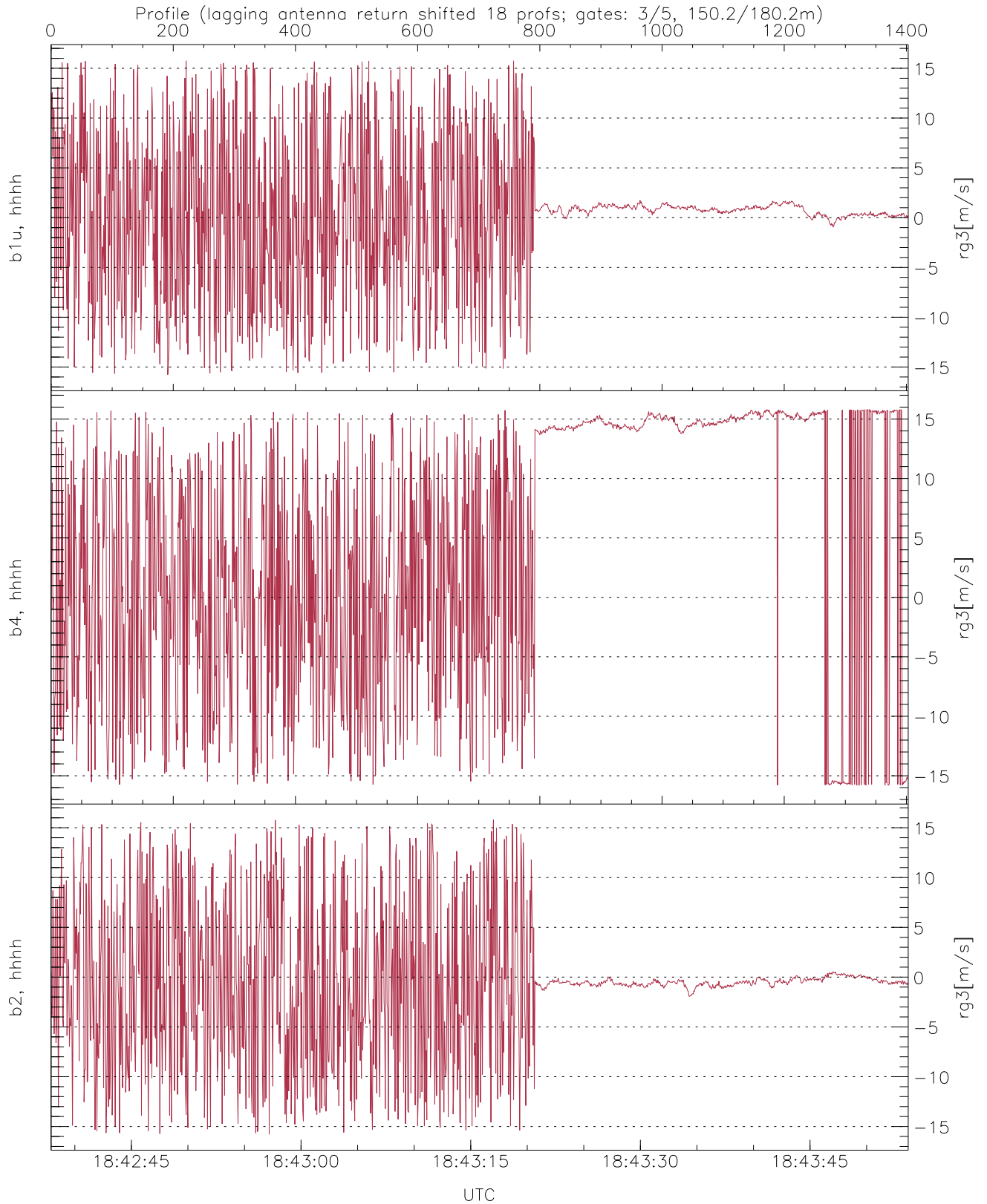
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -64.16 | -6.08  | -15.98 |
| down-fore(hh[dBm]) | -63.90 | -11.00 | -18.81 |
| down(hh[dBm])      | -63.96 | -6.22  | -14.68 |



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

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -11.06 | 4.71  | -0.75 |
| down/down-fore (dB) | -49.37 | 12.52 | 1.92  |



WCR2 CPP Doppler Velocity Products at 150.2 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.77 | 15.76 | 0.35  | 6.74  |
| b4, hhhh(rg3[m/s])  | -15.80 | 15.80 | 5.00  | 10.90 |
| b2, hhhh(rg3[m/s])  | -15.79 | 15.80 | -0.60 | 6.62  |