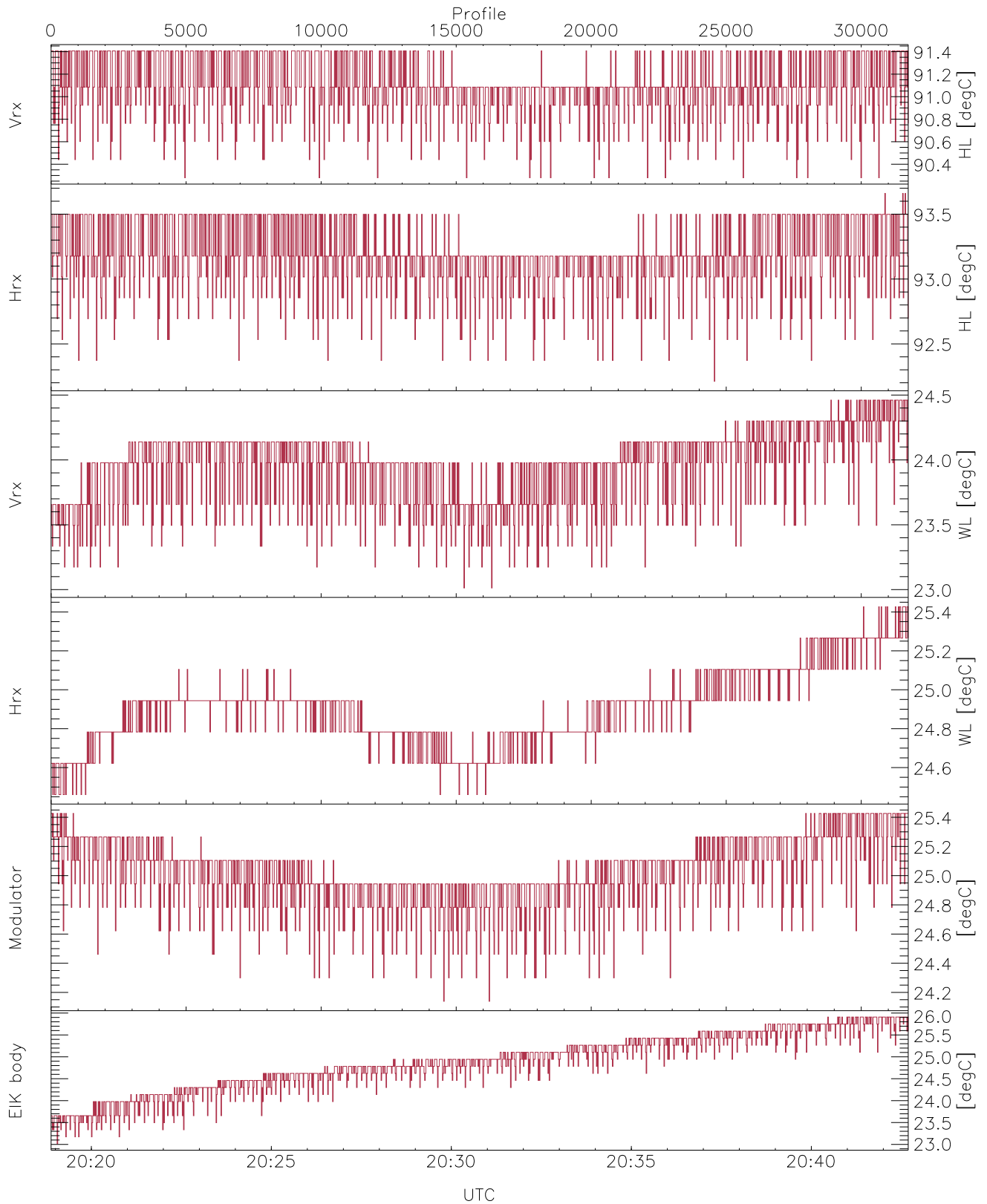


WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

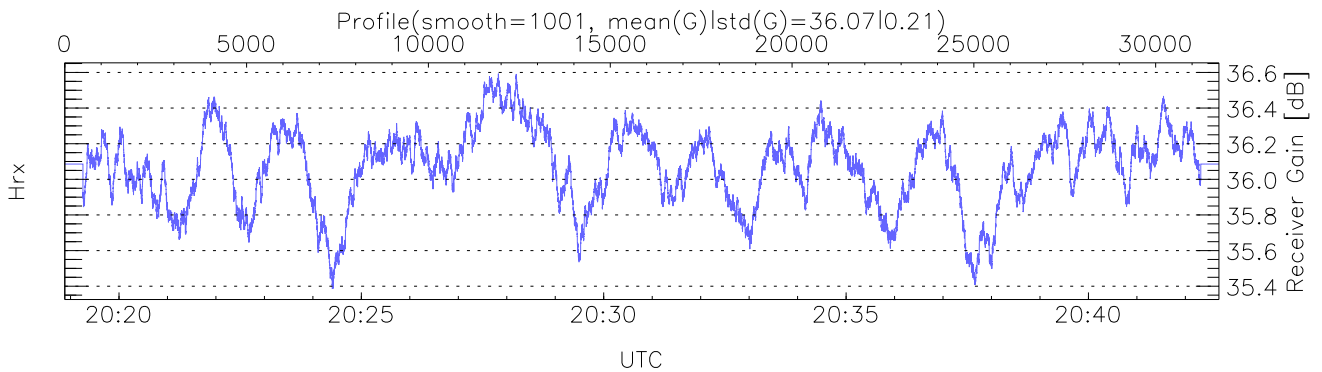
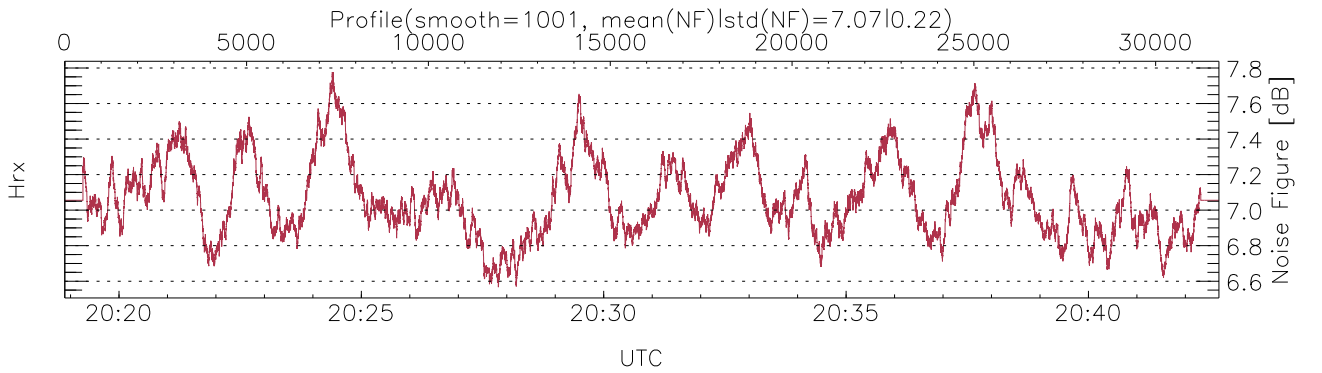
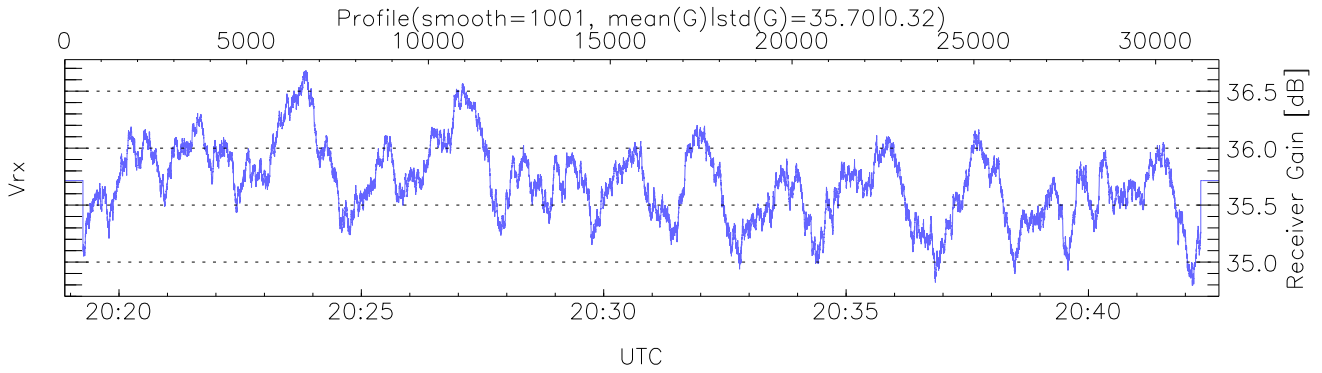
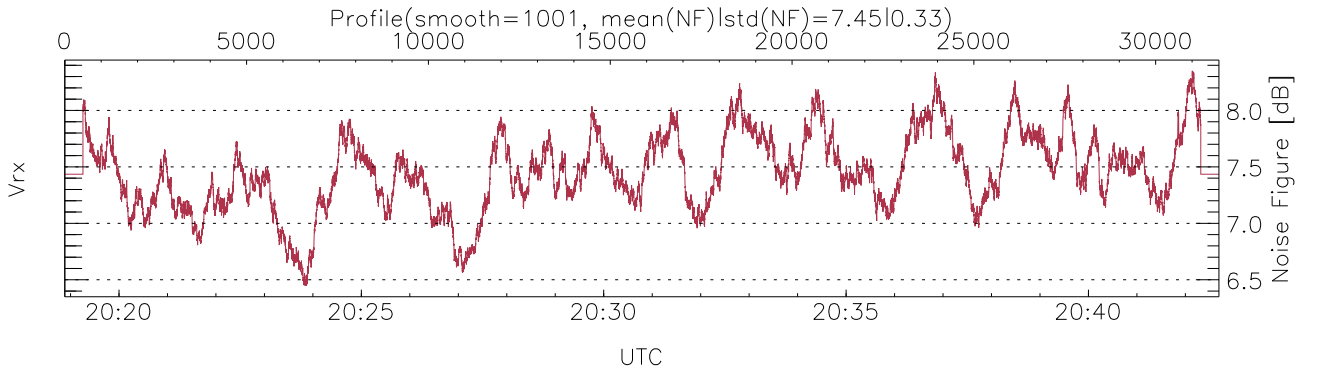
UTC: 20:18:53-20:42:42, TimeCor: 0.00s, Dur: 1428.66s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2  
 NumRec(r/t): 31741/31741, 0-31740/20:18:53-20:42:42  
 AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100  
 Pulse: 250ns, 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 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|sidelup|error): 1



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

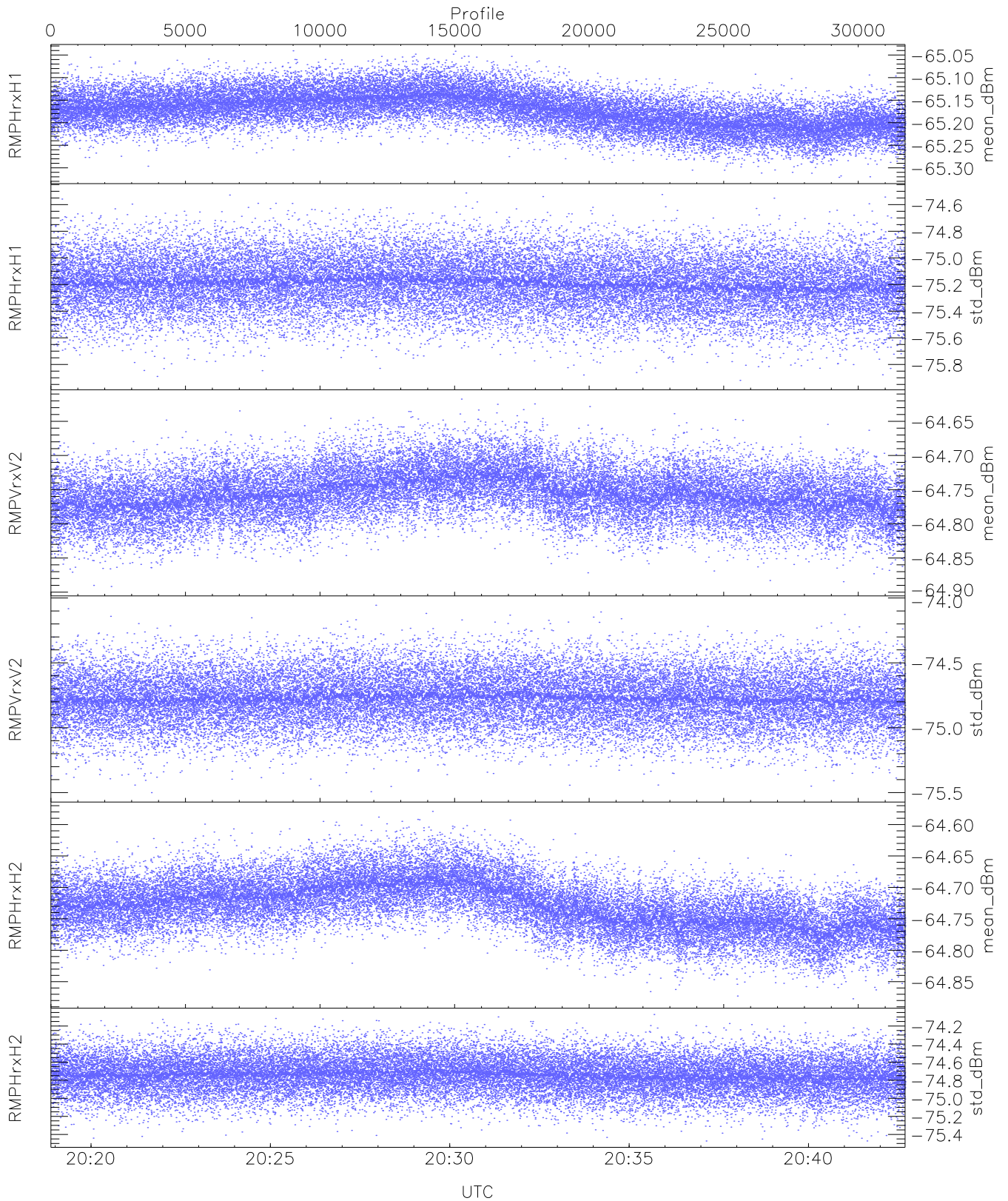
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,23,24,24,23  
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,24,25,25,25  
 LOalarm(20,240,2817,14861 MHz): 0,0,46,0  
 EIK Faults(# prof affected):

DeckT,CollT,BodyCurr,Fault2,DeckF,OverDuty,HVPS,Fault1 (68,90,112,68,112,90,68,68)



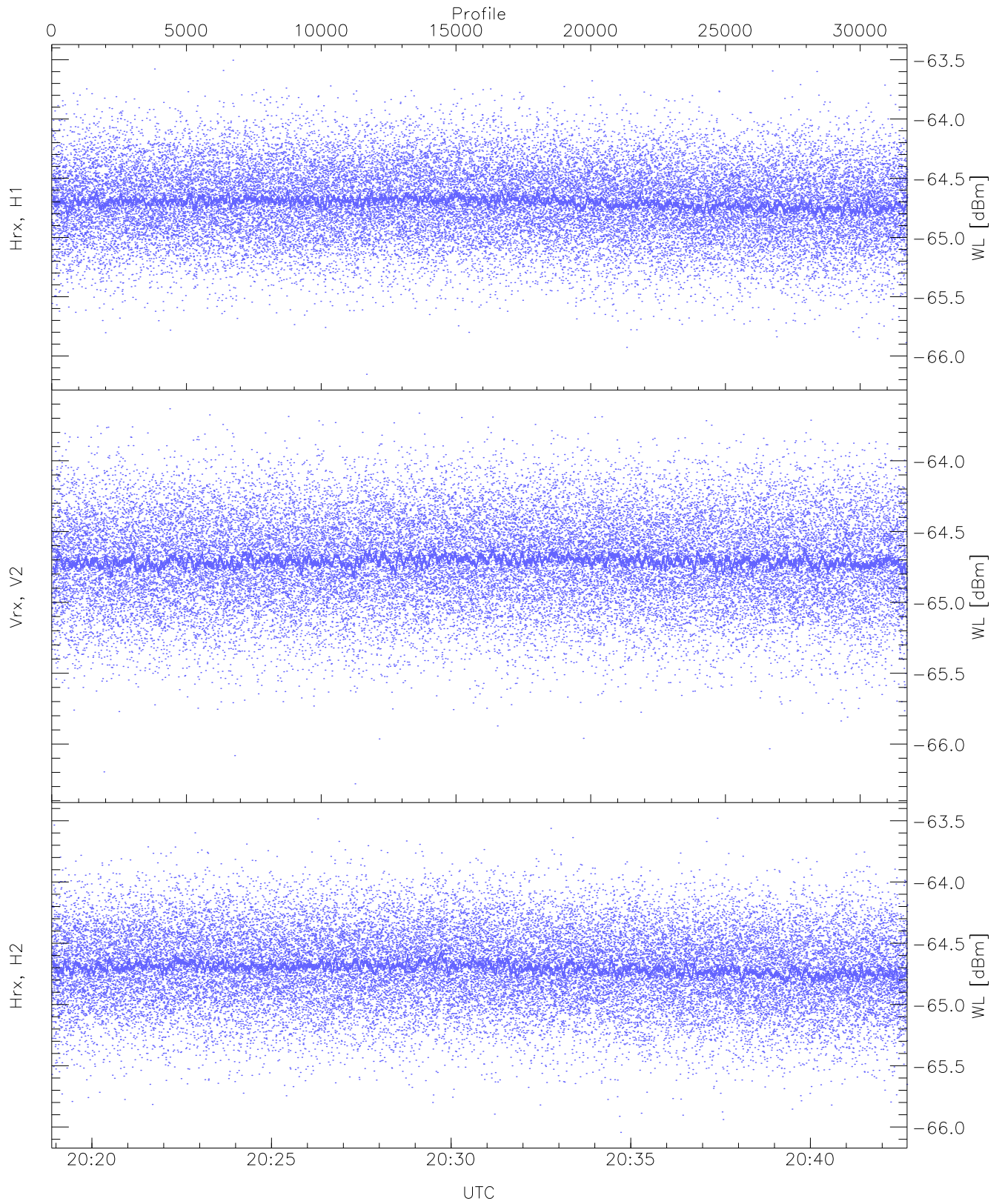
### WCR3 CPP Receivers Gain and Noise Figure

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



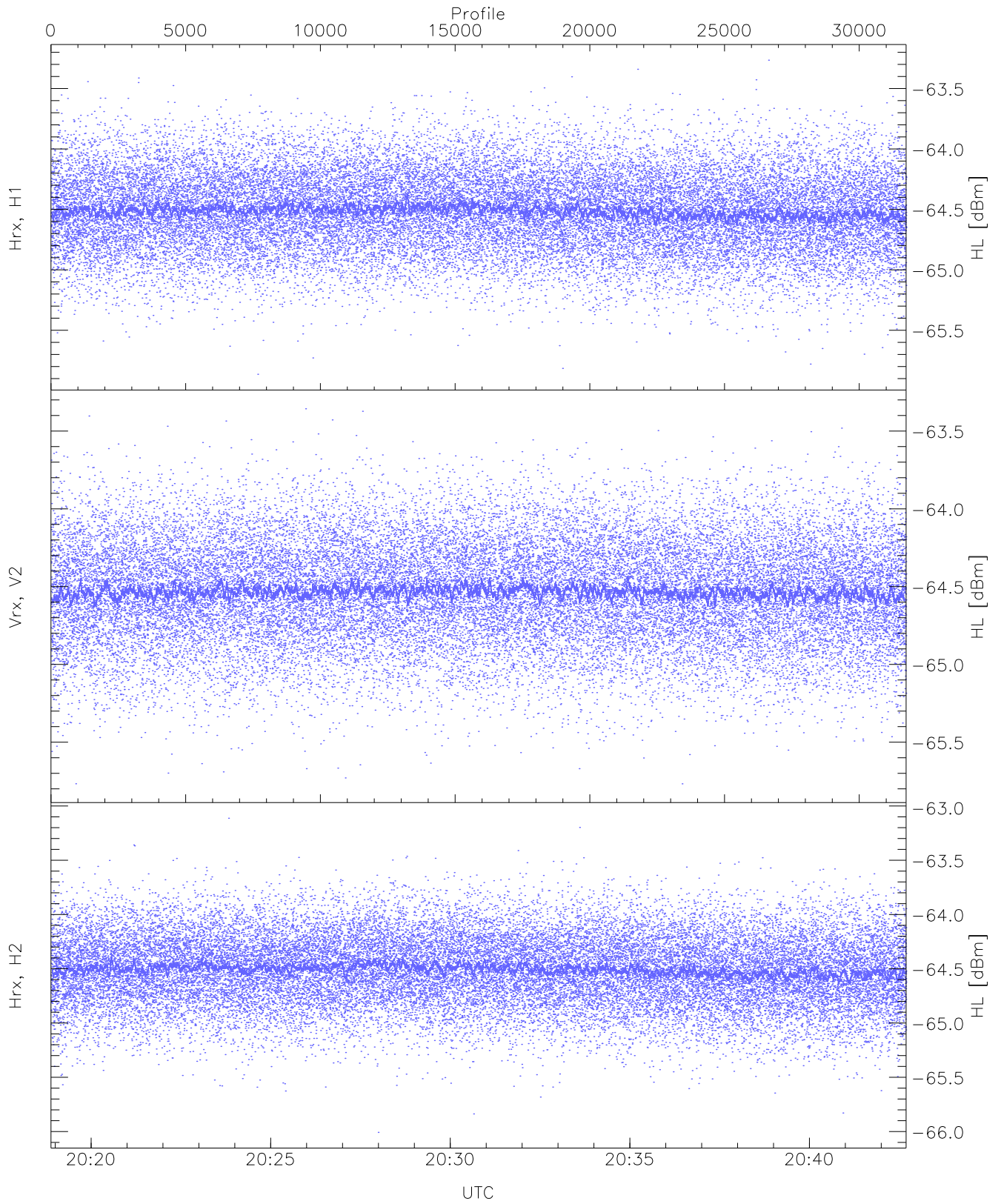
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.32 | -65.04 | -65.17 | -65.17 | -85.65 |
| RMPHrxH1(std_dBm)  | -75.92 | -74.51 | -75.19 | -75.19 | -88.95 |
| RMPVrxV2(mean_dBm) | -64.89 | -64.62 | -64.76 | -64.76 | -85.84 |
| RMPVrxV2(std_dBm)  | -75.50 | -74.06 | -74.77 | -74.78 | -88.55 |
| RMPHrxH2(mean_dBm) | -64.88 | -64.58 | -64.73 | -64.73 | -85.12 |
| RMPHrxH2(std_dBm)  | -75.47 | -74.07 | -74.74 | -74.74 | -88.47 |



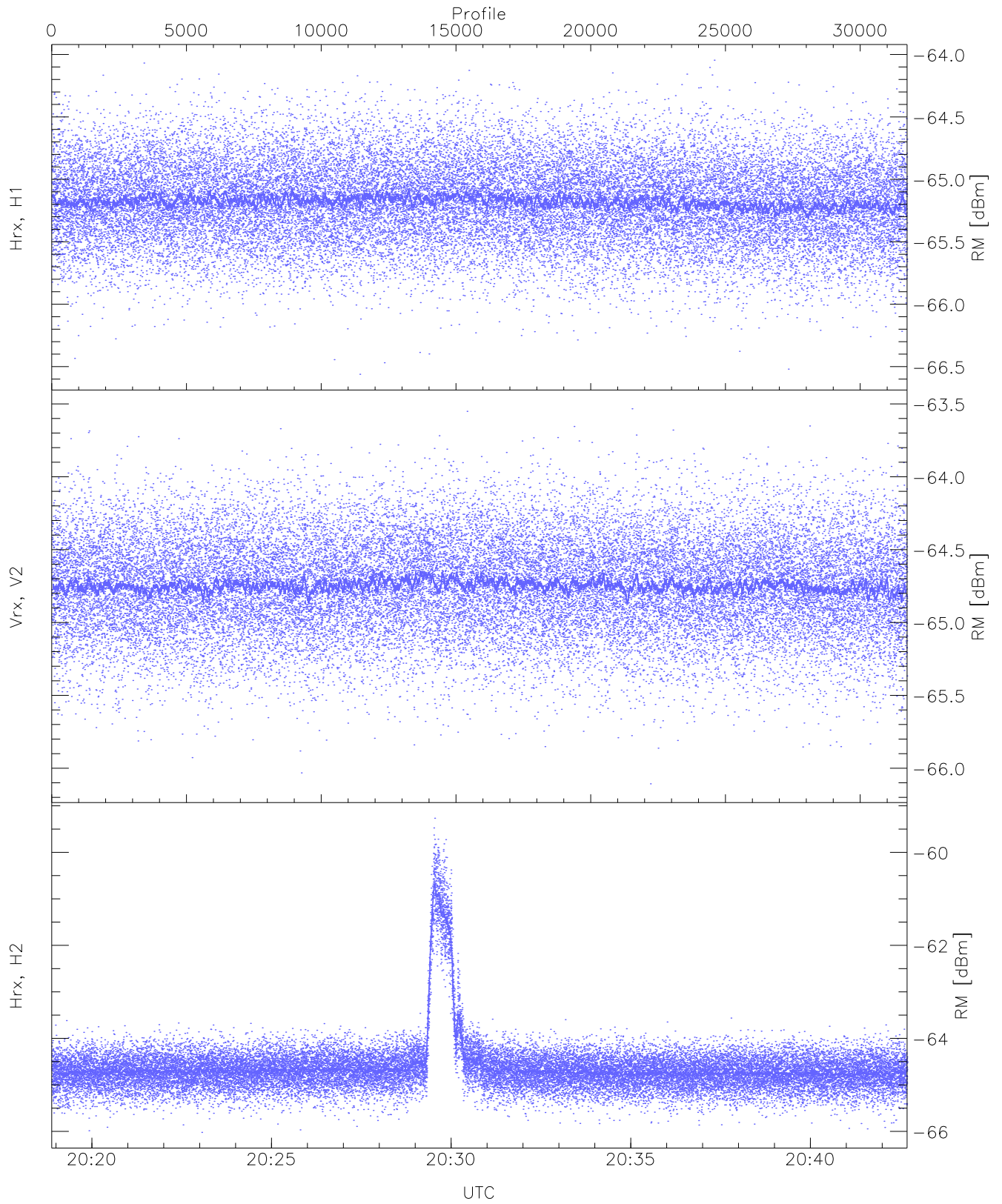
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.16 | -63.50 | -64.70 | -64.70 | -76.22 |
| Vrx, V2 (WL [dBm]) | -66.28 | -63.63 | -64.70 | -64.71 | -76.16 |
| Hrx, H2 (WL [dBm]) | -66.04 | -63.48 | -64.70 | -64.70 | -76.17 |



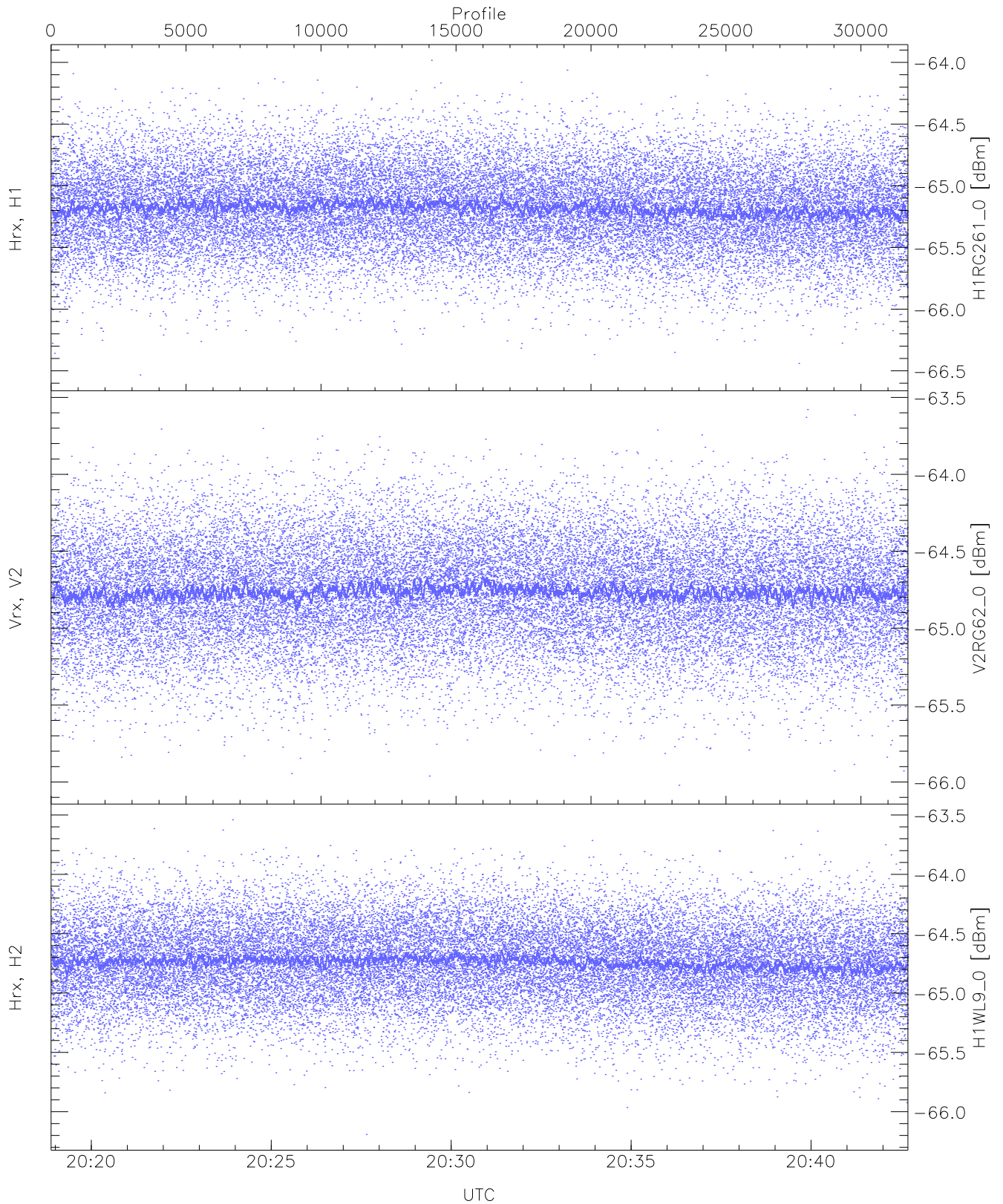
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.86 | -63.27 | -64.51 | -64.52 | -76.01 |
| Vrx, V2 (HL [dBm]) | -65.77 | -63.36 | -64.53 | -64.53 | -76.03 |
| Hrx, H2 (HL [dBm]) | -66.01 | -63.11 | -64.50 | -64.51 | -75.99 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

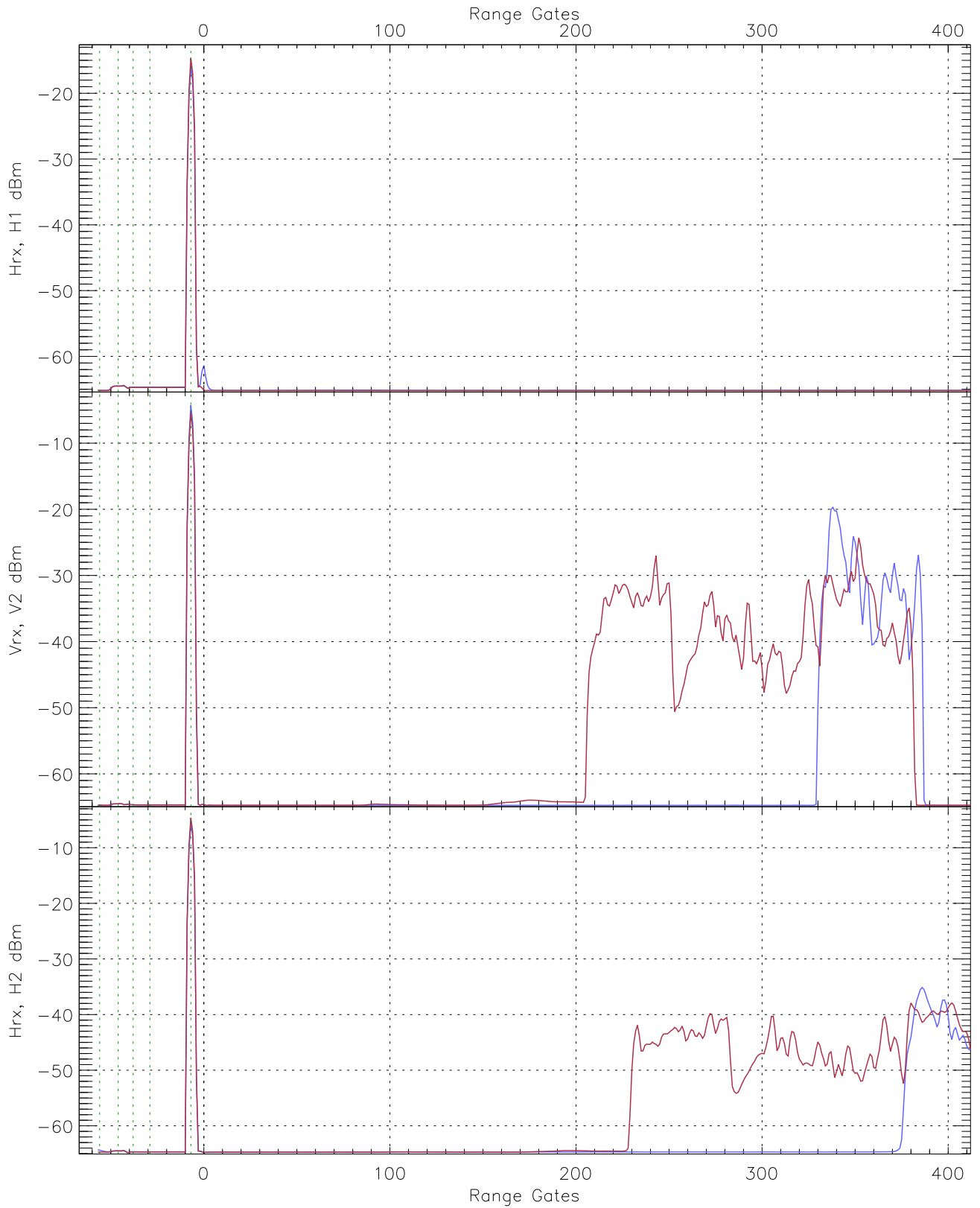
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.56 | -64.05 | -65.17 | -65.18 | -76.68 |
| Vrx, V2 (RM [dBm]) | -66.11 | -63.53 | -64.74 | -64.75 | -76.24 |
| Hrx, H2 (RM [dBm]) | -66.02 | -59.27 | -64.55 | -64.70 | -71.35 |



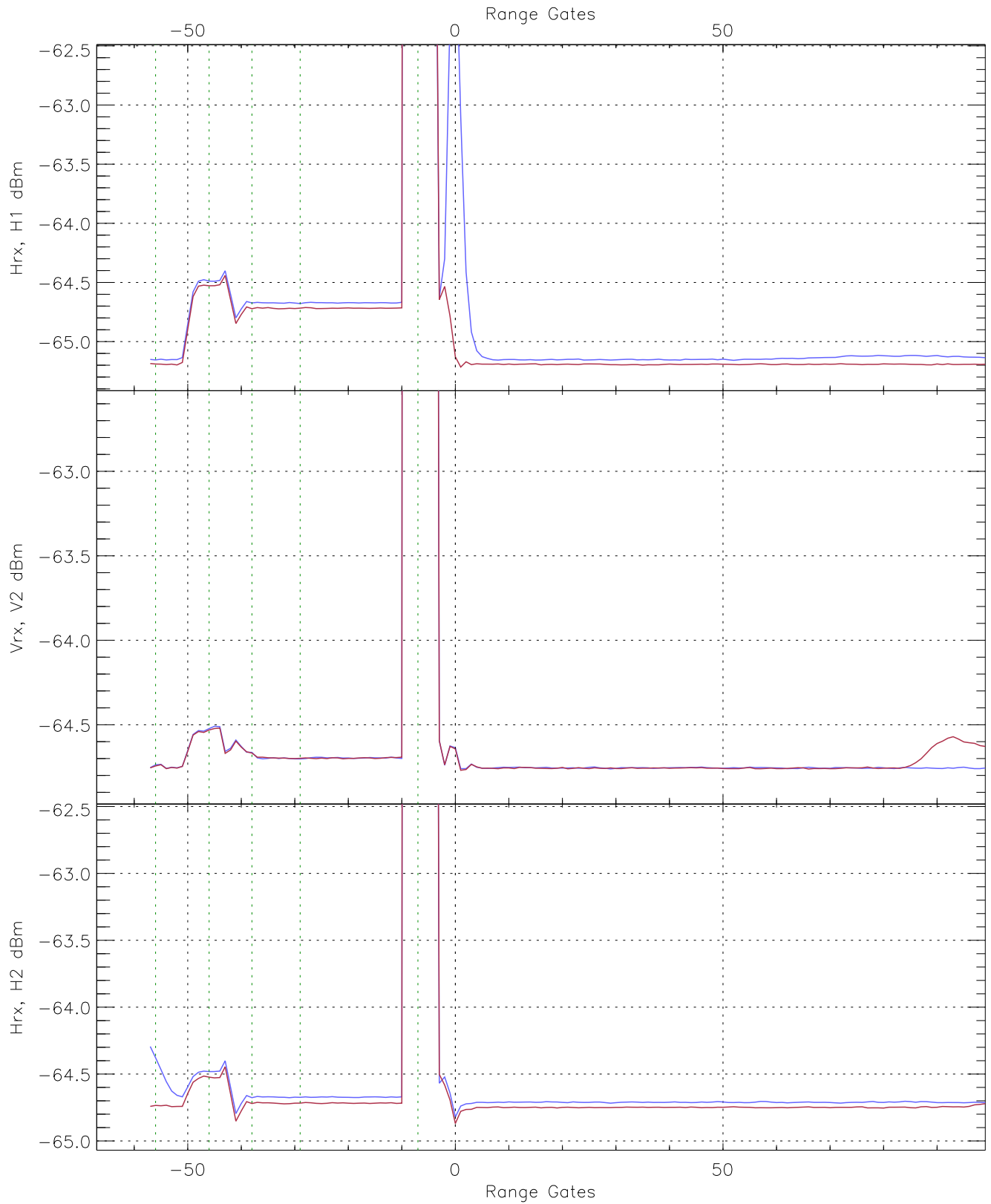
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG261_0 [dBm] | -66.53 | -63.98 | -65.18 | -65.18 | -76.66 |
| V2RG62_0 [dBm]  | -66.02 | -63.58 | -64.76 | -64.77 | -76.28 |
| H1WL9_0 [dBm]   | -66.19 | -63.54 | -64.73 | -64.74 | -76.26 |

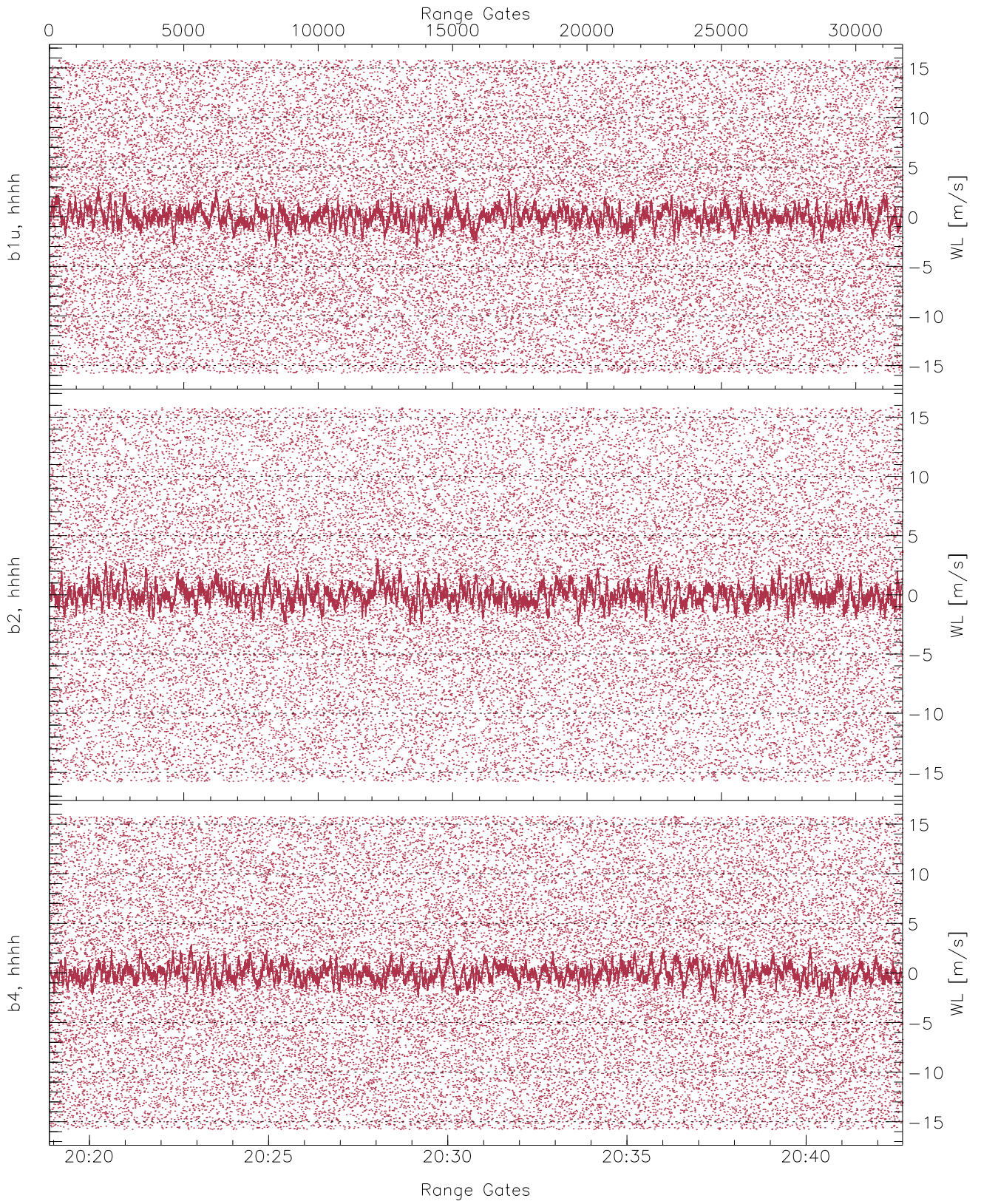




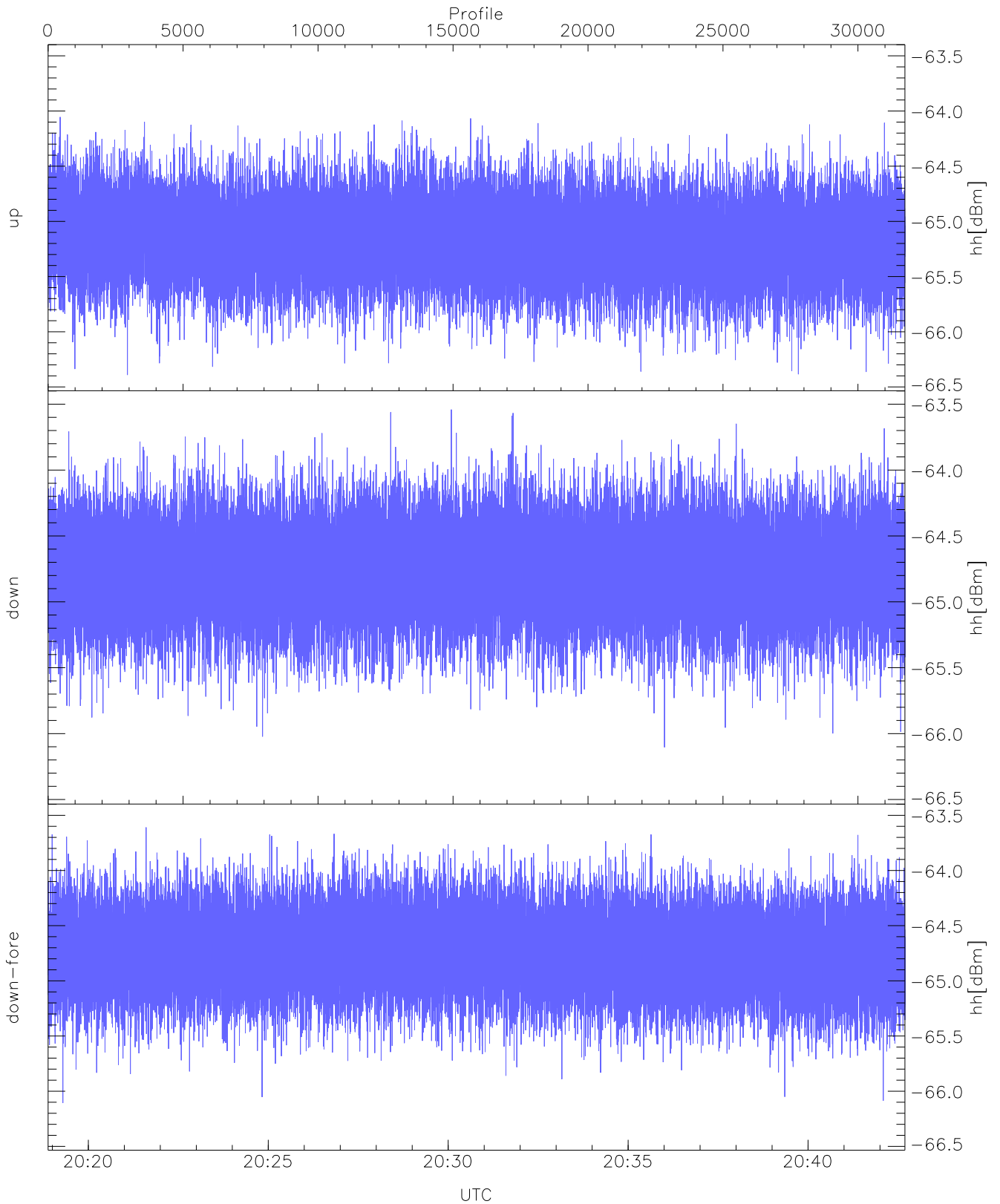
WCR3 CPP Averaged Received power for all recorded gates  
blue: 201853-203047, 15871 profiles averaged  
red: 203047-204242, 15871 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 201853-203047, 15871 profiles averaged  
red: 203047-204242, 15871 profiles averaged

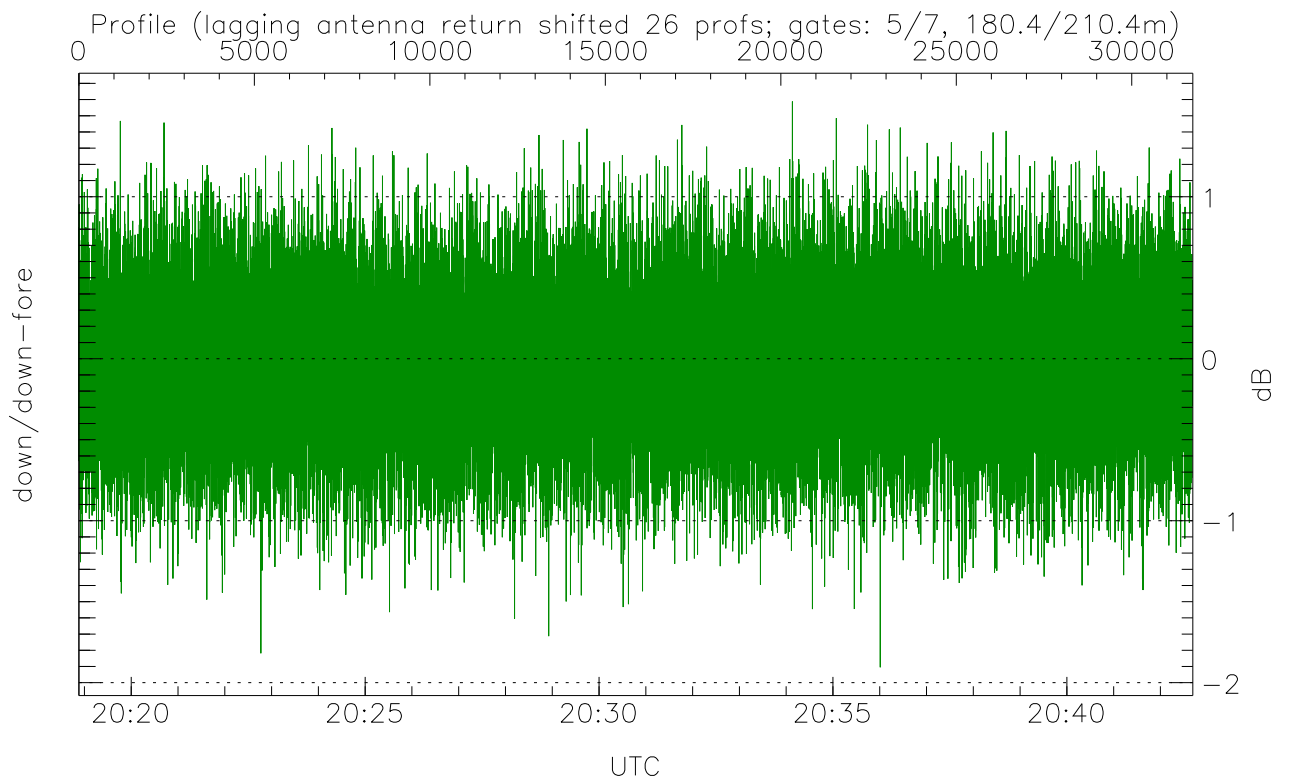
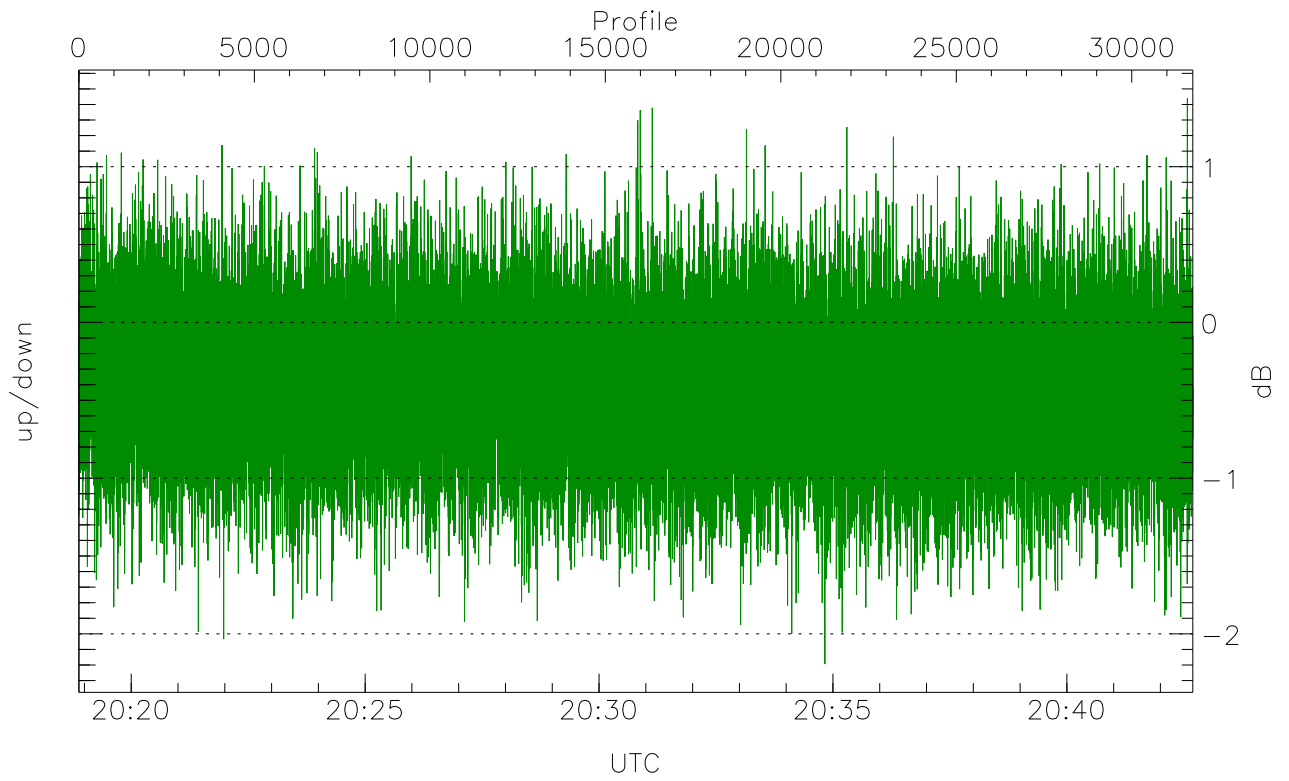


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



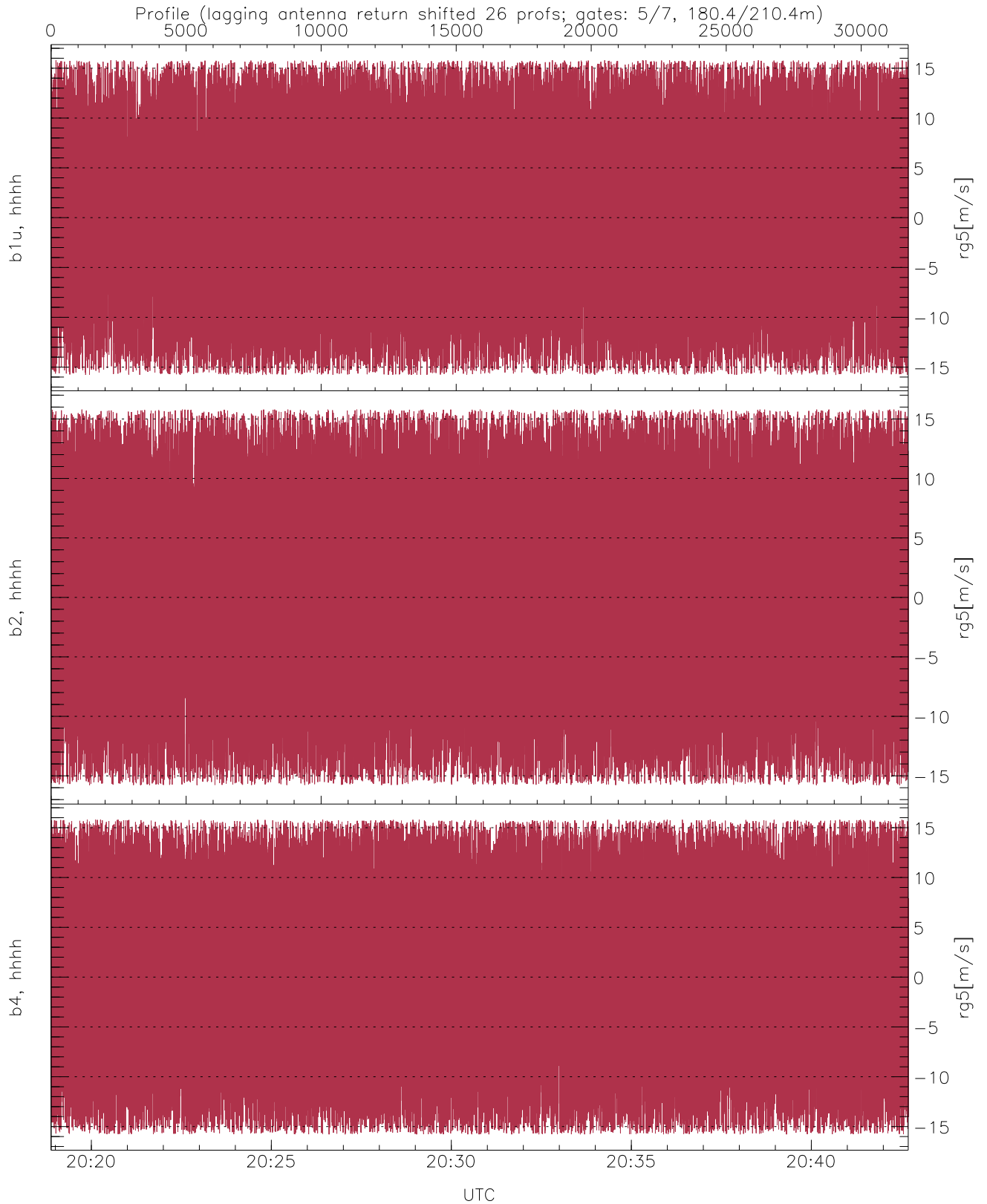
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -66.39 | -64.05 | -65.16 |
| down(hh[dBm])      | -66.10 | -63.54 | -64.76 |
| down-fore(hh[dBm]) | -66.11 | -63.61 | -64.73 |



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

|                     | Min   | Max  | Mean  |
|---------------------|-------|------|-------|
| up/down (dB)        | -2.19 | 1.44 | -0.40 |
| down/down-fore (dB) | -1.90 | 1.59 | -0.03 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.78 | 15.79 | -0.02 | 8.62  |
| b2, hhhh(rg5[m/s])  | -15.78 | 15.79 | 0.02  | 8.70  |
| b4, hhhh(rg5[m/s])  | -15.78 | 15.79 | -0.00 | 8.80  |