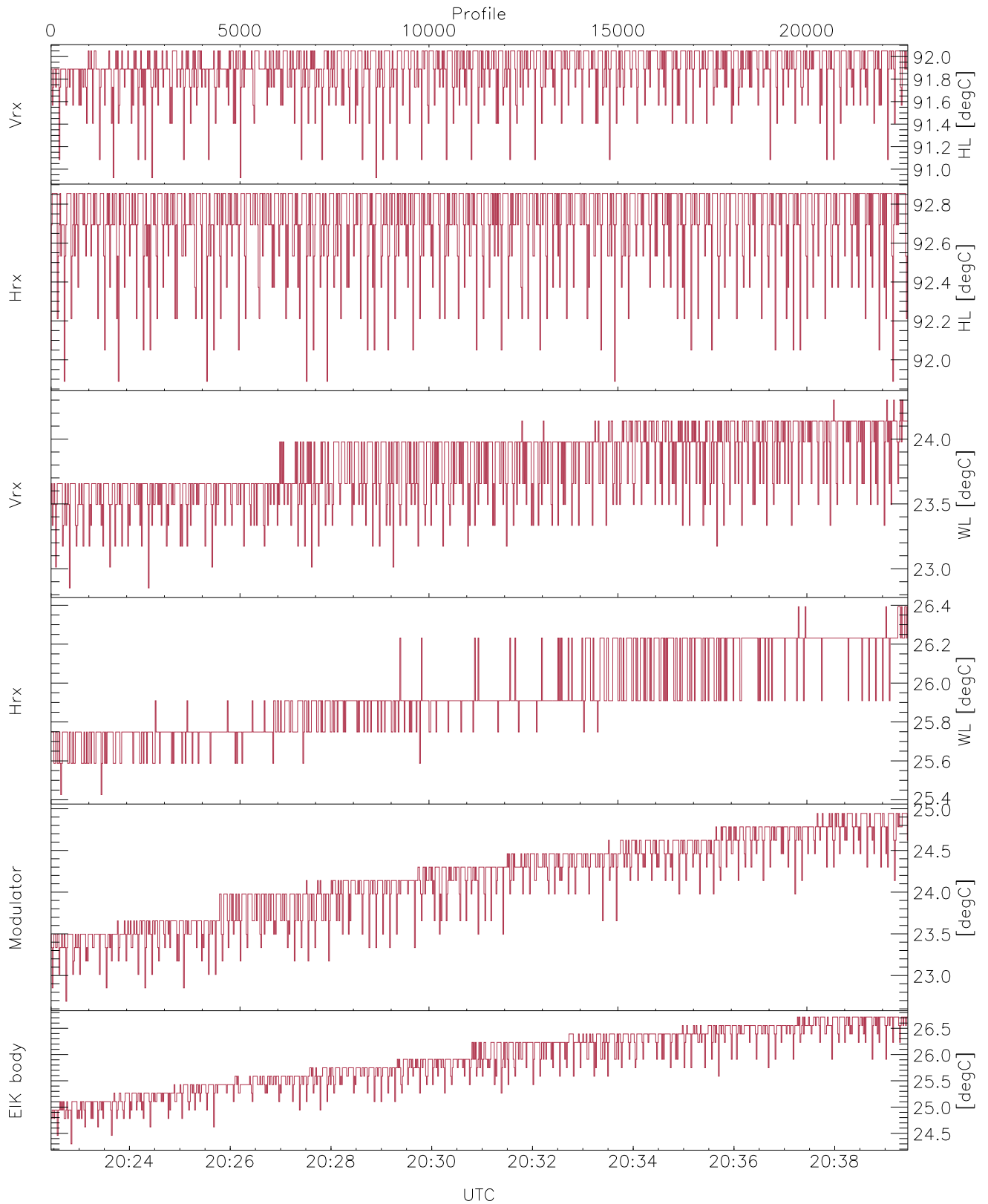


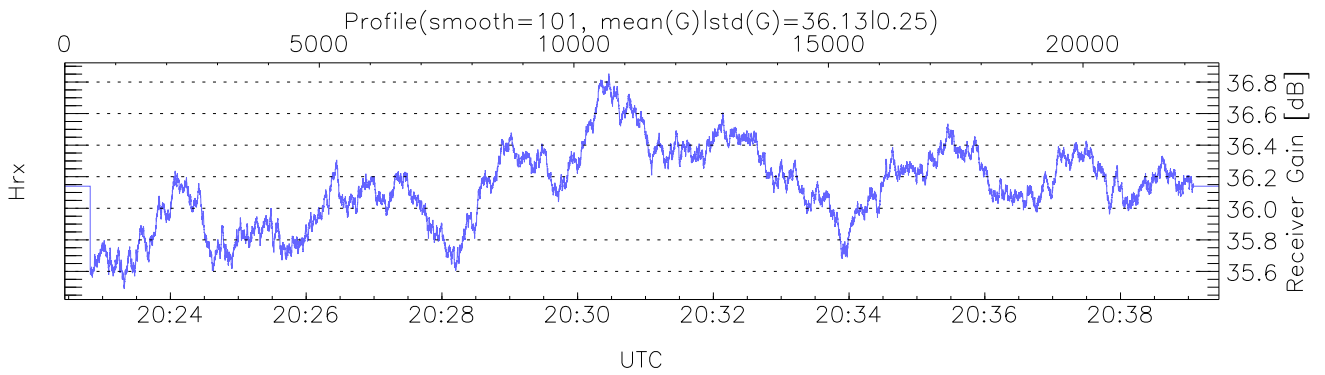
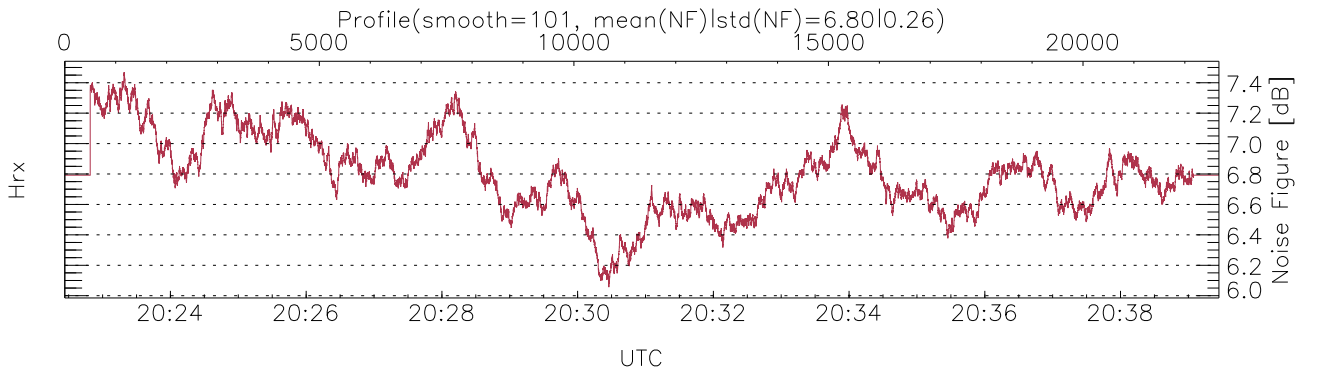
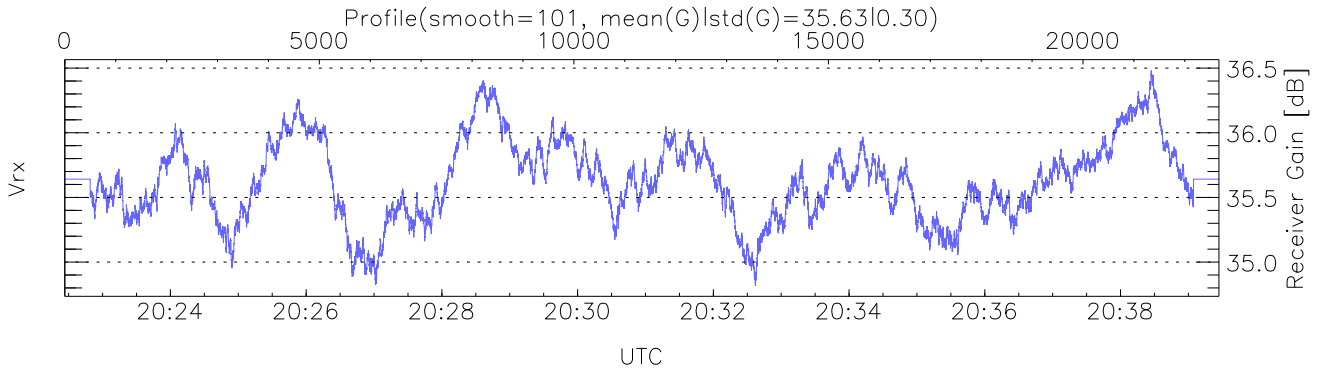
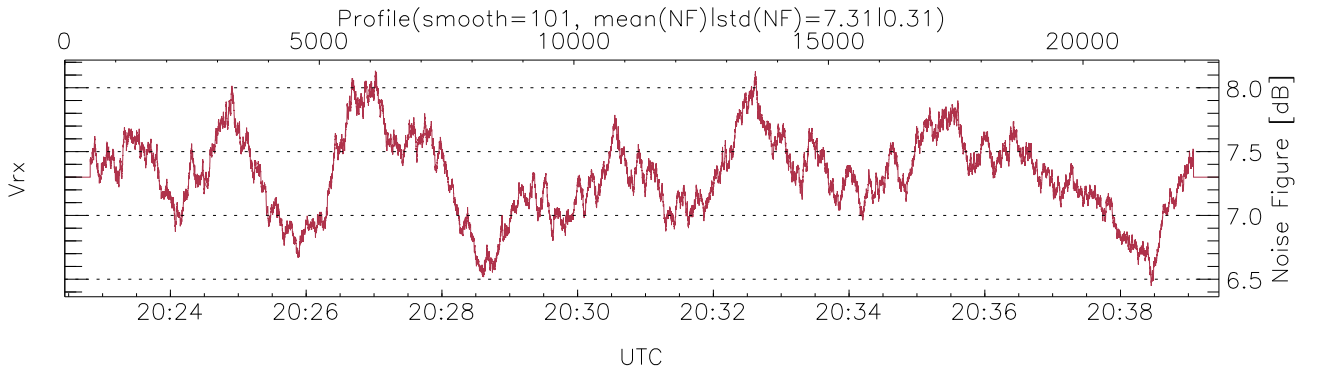
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 20:22:27-20:39:27, TimeCor: 0.00s, Dur: 1020.45s  
 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): 22672/22672, 0-22671/20:22:27-20:39:27  
 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



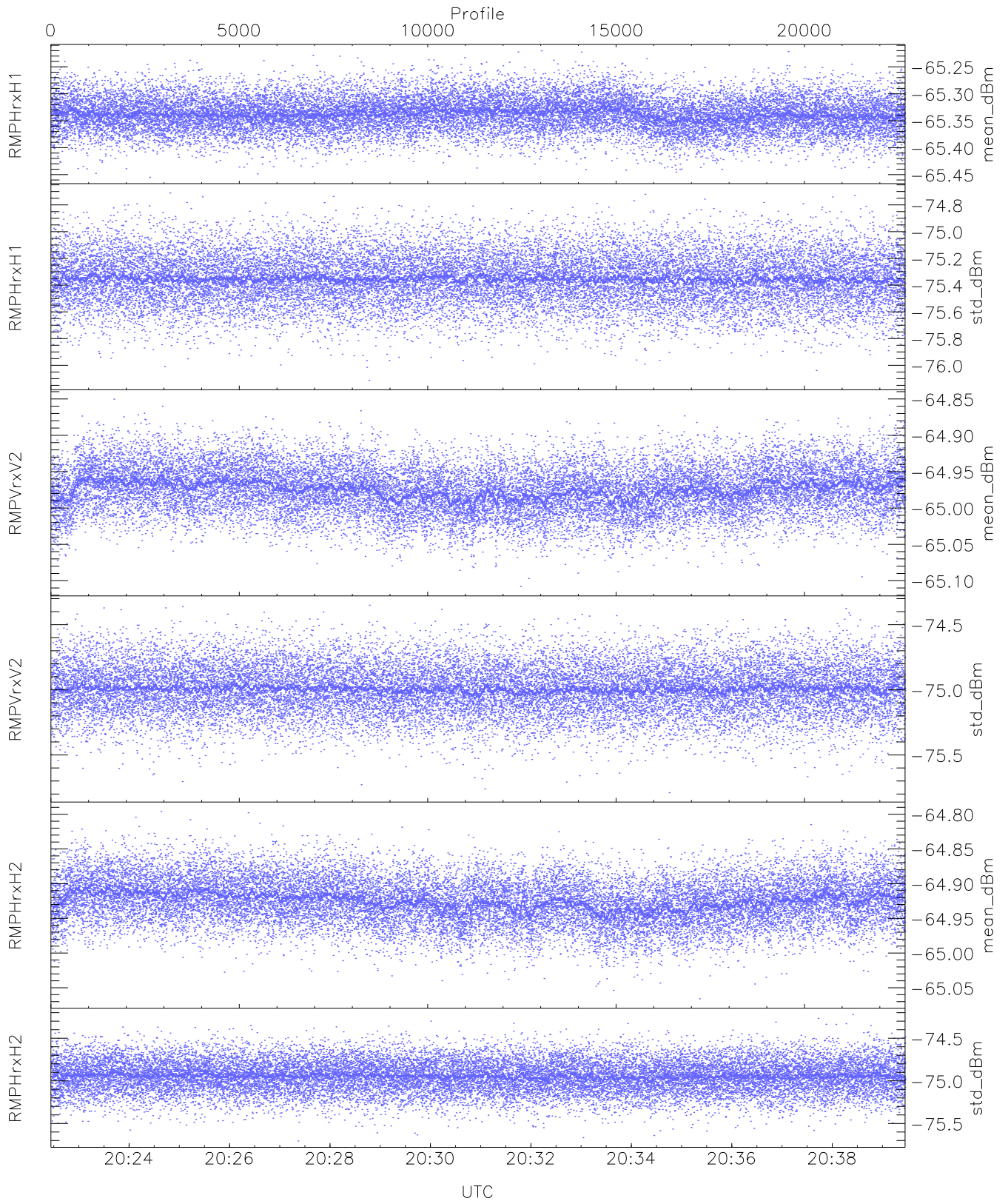
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,22,25,22,24  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,24,26,24,26  
LOalarm(20,240,2817,14861 MHz): None  
EIK/Modulator Faults: None



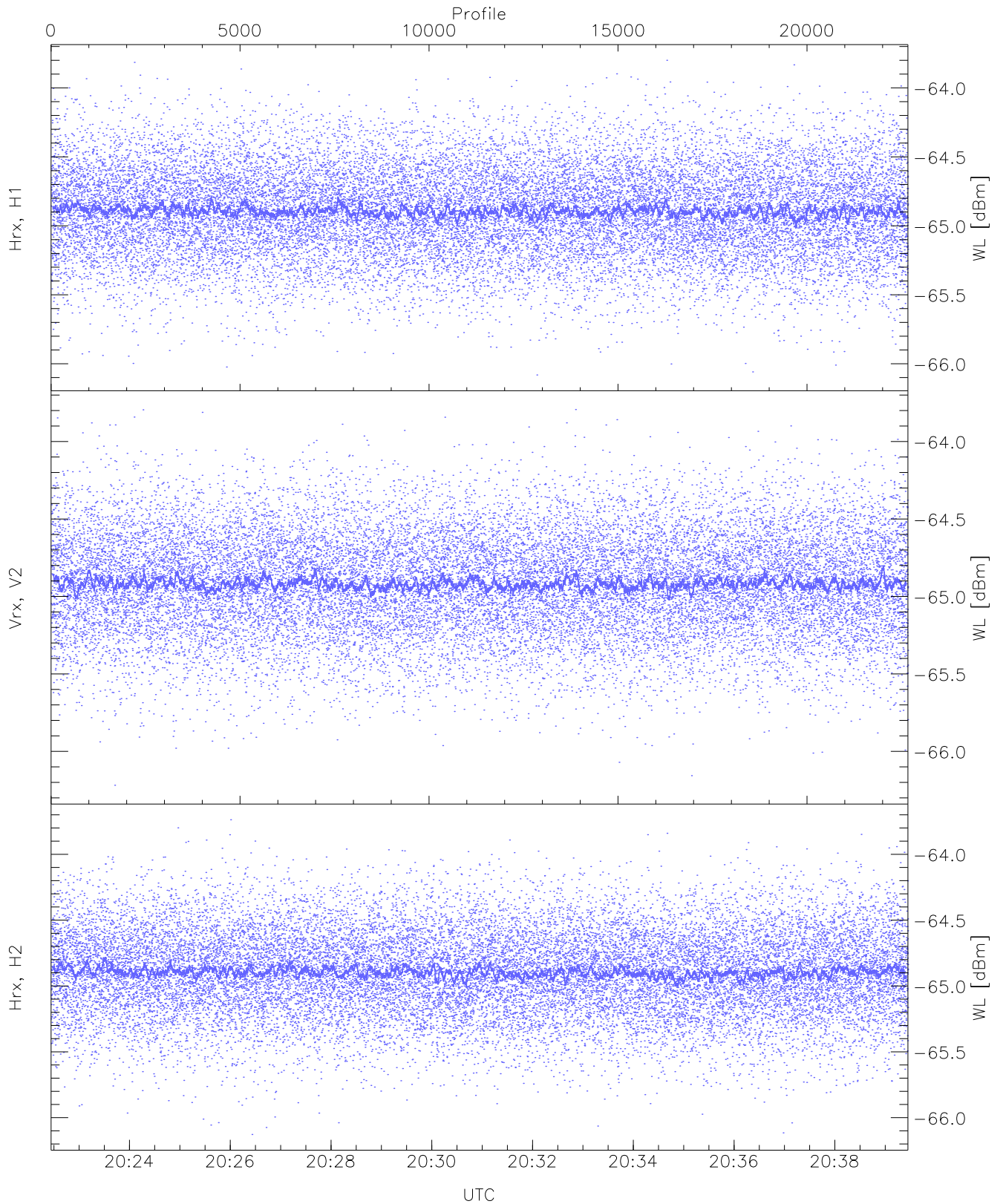
### WCR3 CPP Receivers Gain and Noise Figure

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



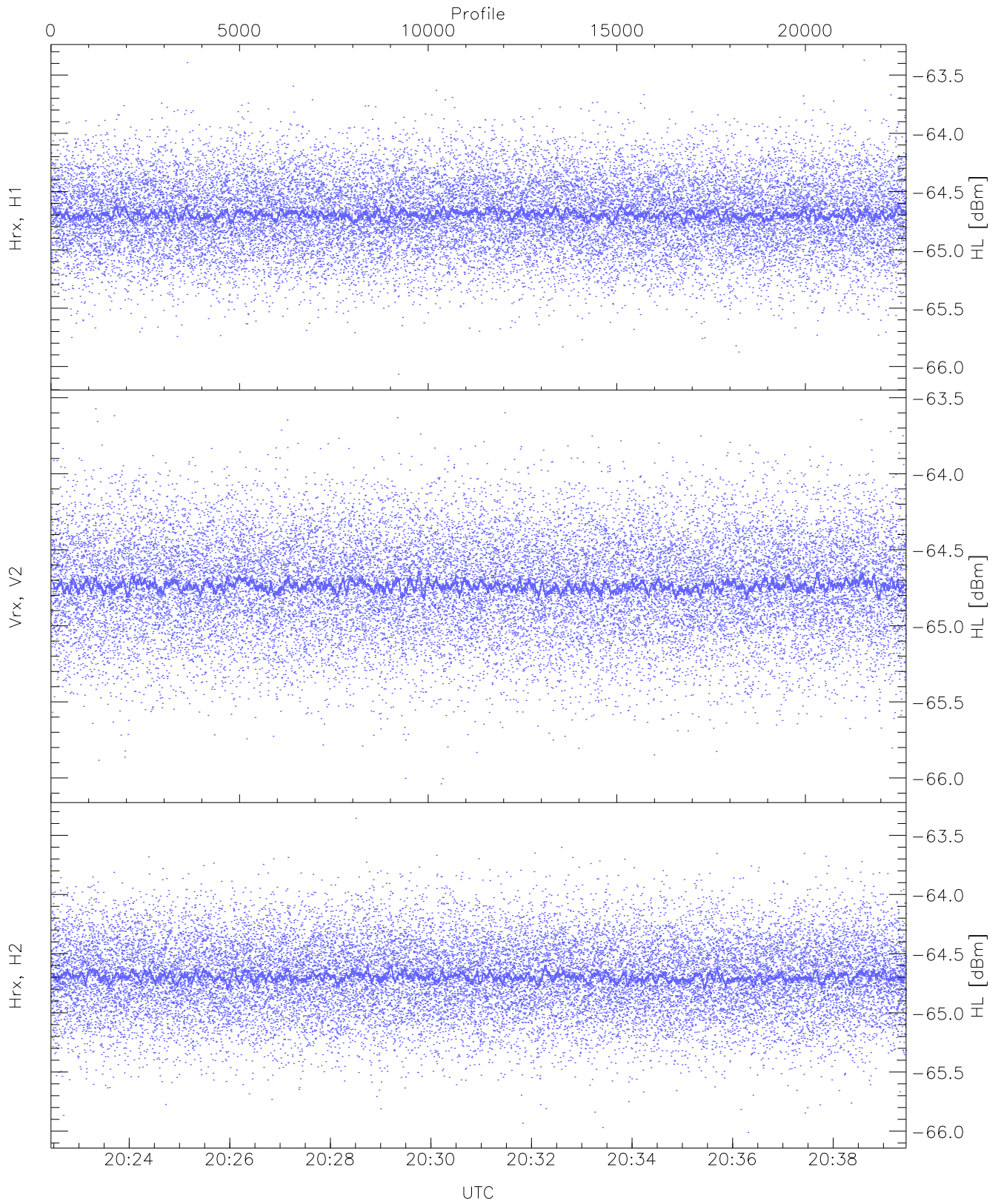
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

|                     | Min    | Max    | Mean   | Median | StDev  |
|---------------------|--------|--------|--------|--------|--------|
| RMPHrxH1 (mean_dBm) | -65.45 | -65.22 | -65.34 | -65.34 | -86.89 |
| RMPHrxH1 (std_dBm)  | -76.11 | -74.71 | -75.35 | -75.35 | -89.16 |
| RMPVrxV2 (mean_dBm) | -65.11 | -64.85 | -64.98 | -64.97 | -86.36 |
| RMPVrxV2 (std_dBm)  | -75.79 | -74.35 | -74.99 | -74.99 | -88.77 |
| RMPHrxH2 (mean_dBm) | -65.07 | -64.80 | -64.93 | -64.93 | -86.31 |
| RMPHrxH2 (std_dBm)  | -75.71 | -74.22 | -74.94 | -74.95 | -88.74 |



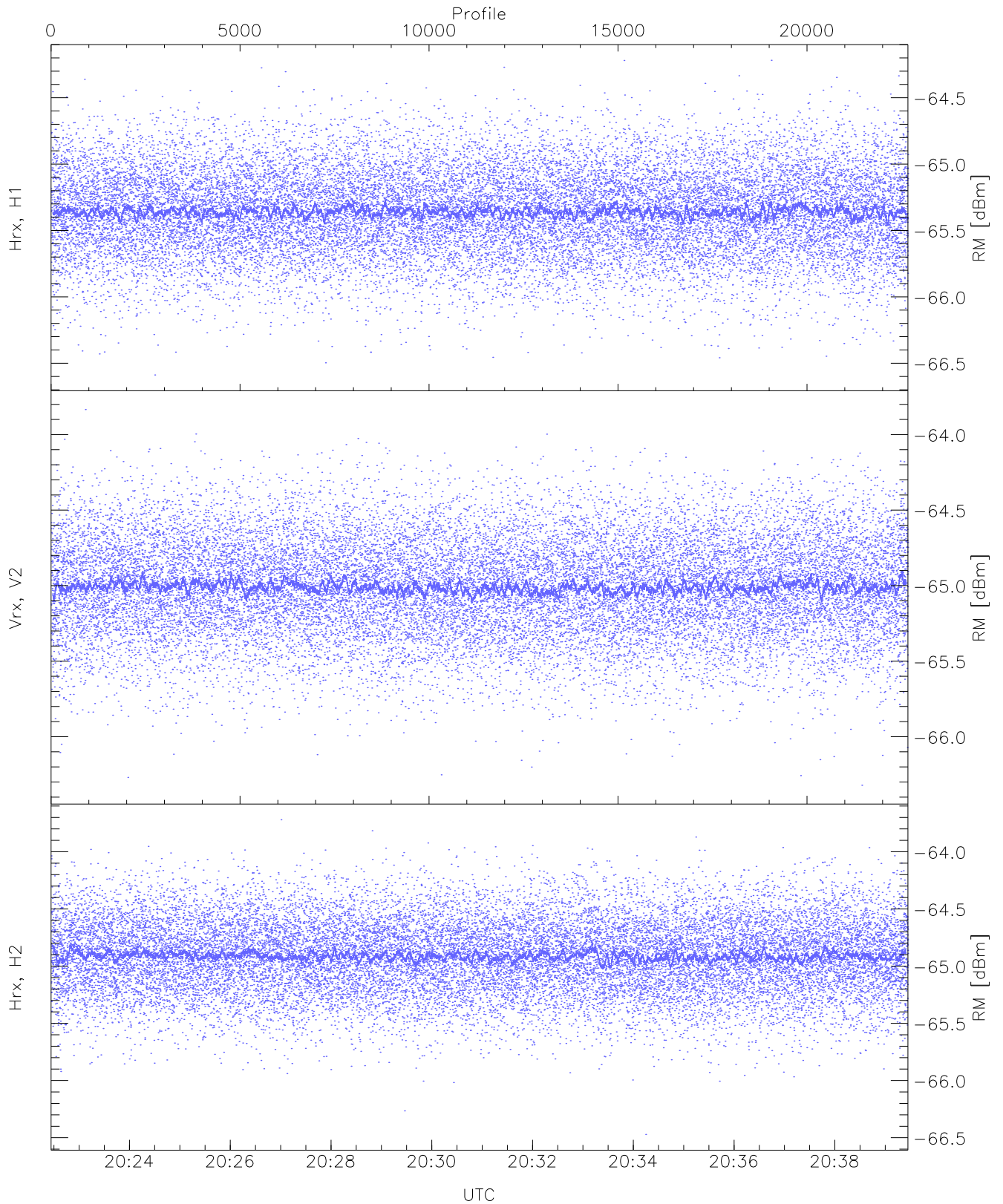
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.08 | -63.80 | -64.89 | -64.89 | -76.40 |
| Vrx, V2 (WL [dBm]) | -66.22 | -63.79 | -64.91 | -64.92 | -76.40 |
| Hrx, H2 (WL [dBm]) | -66.13 | -63.74 | -64.89 | -64.90 | -76.41 |



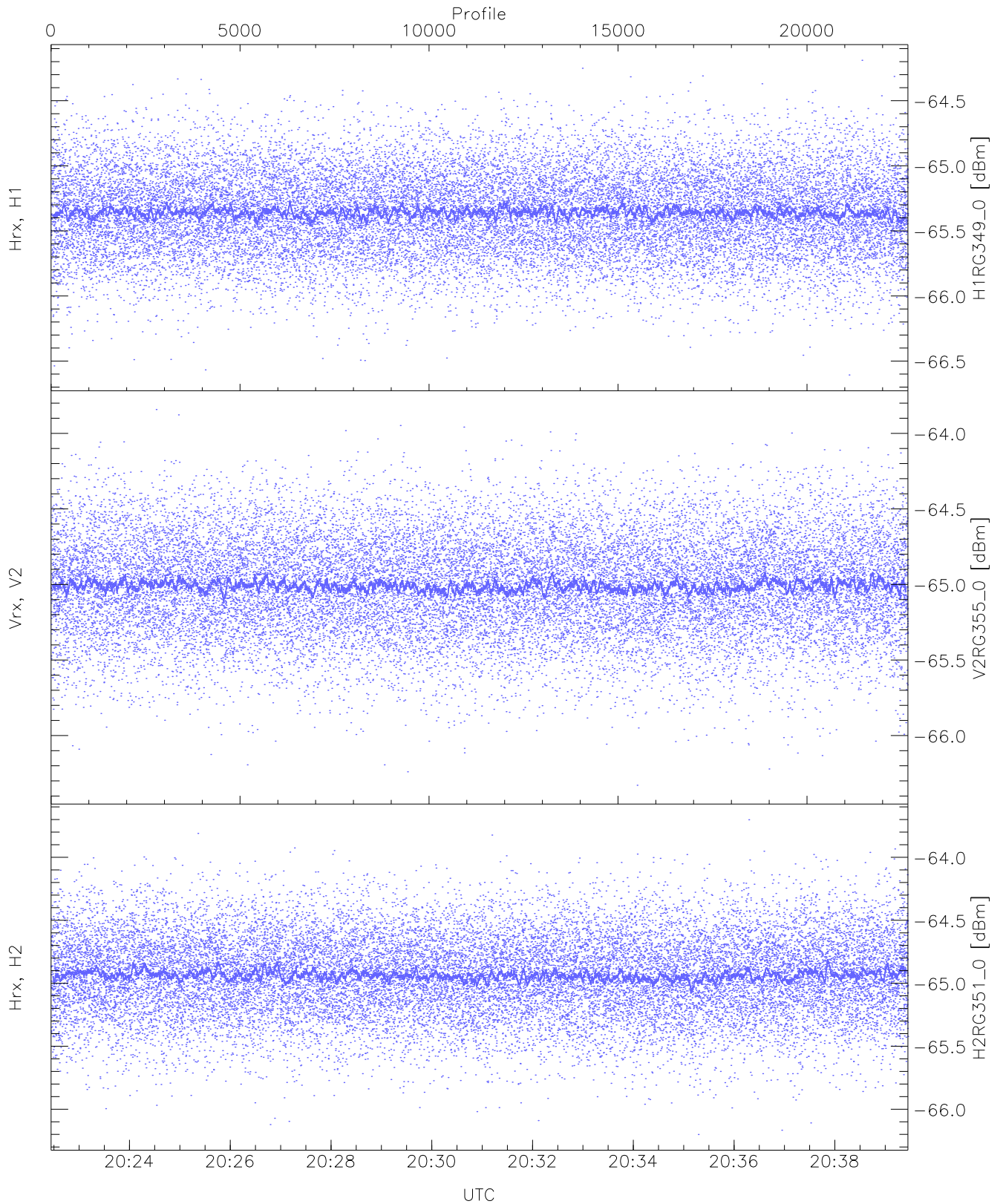
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -66.07 | -63.37 | -64.69 | -64.70 | -76.22 |
| Vrx, V2 (HL [dBm]) | -66.04 | -63.57 | -64.73 | -64.74 | -76.23 |
| Hrx, H2 (HL [dBm]) | -66.01 | -63.36 | -64.69 | -64.70 | -76.19 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

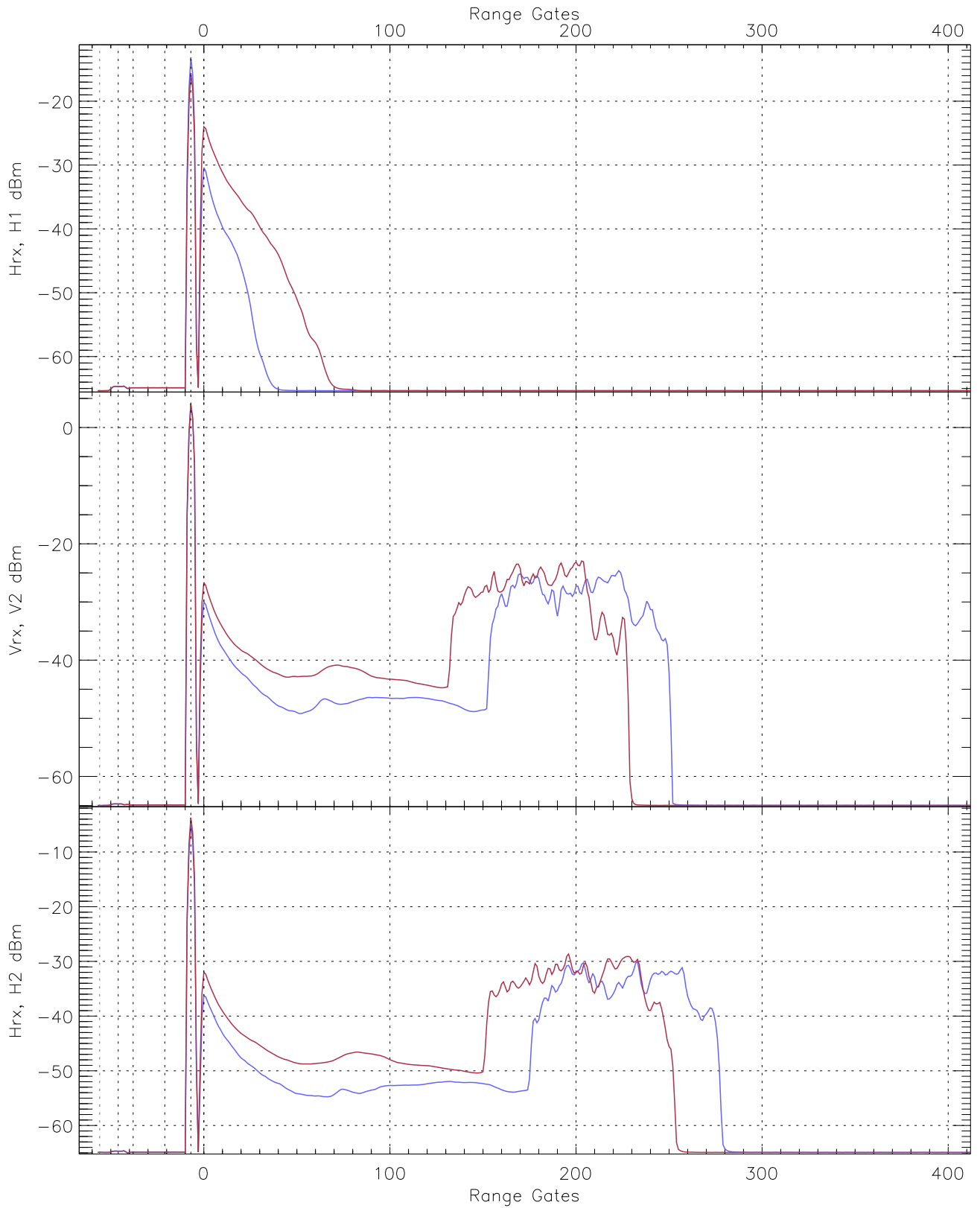
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.59 | -64.22 | -65.35 | -65.36 | -76.90 |
| Vrx, V2 (RM [dBm]) | -66.32 | -63.83 | -65.00 | -65.01 | -76.53 |
| Hrx, H2 (RM [dBm]) | -66.47 | -63.72 | -64.90 | -64.91 | -76.42 |



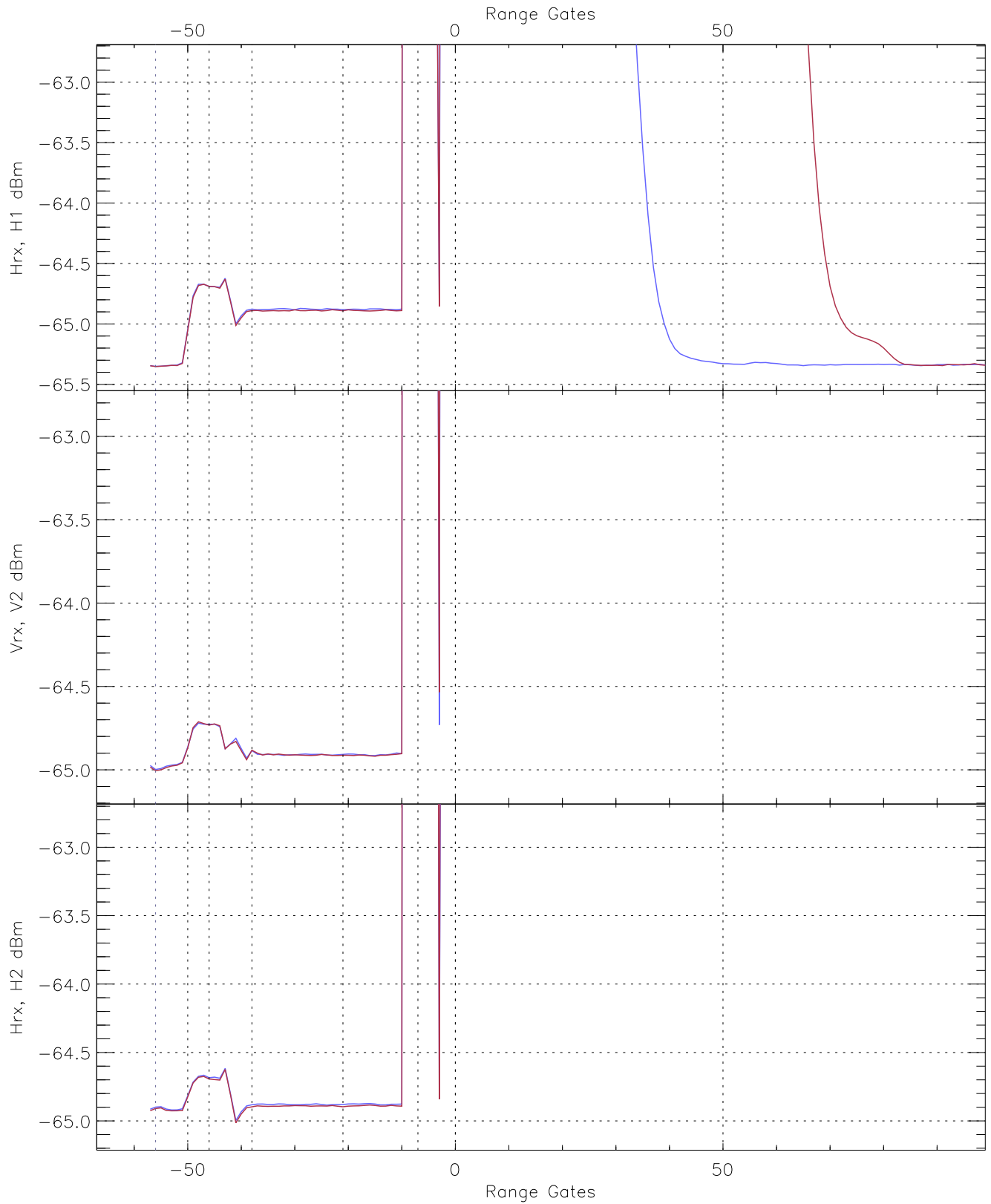
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG349_0 [dBm] | -66.61 | -64.19 | -65.35 | -65.36 | -76.90 |
| V2RG355_0 [dBm] | -66.33 | -63.84 | -65.00 | -65.01 | -76.51 |
| H2RG351_0 [dBm] | -66.20 | -63.70 | -64.93 | -64.94 | -76.43 |

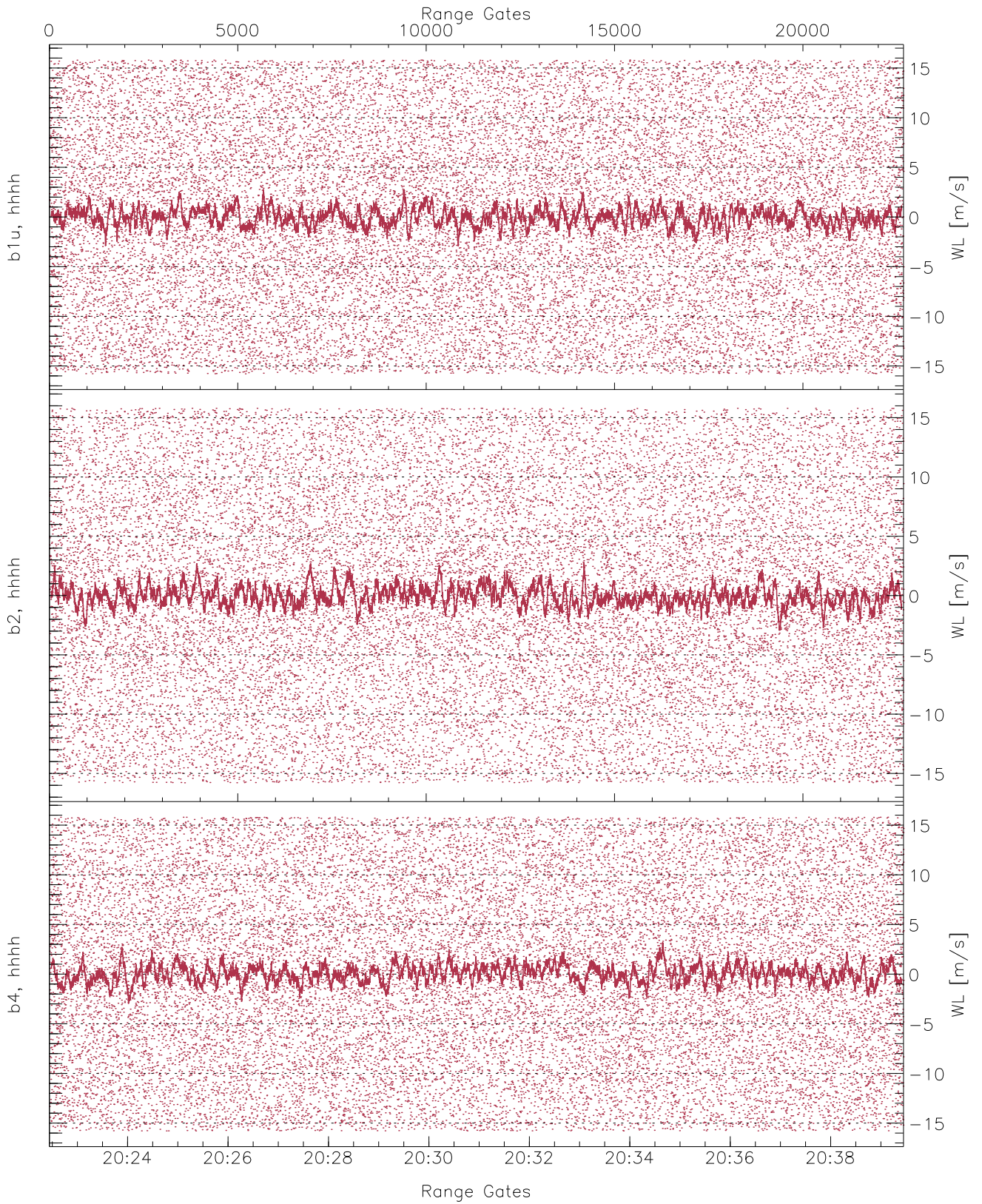




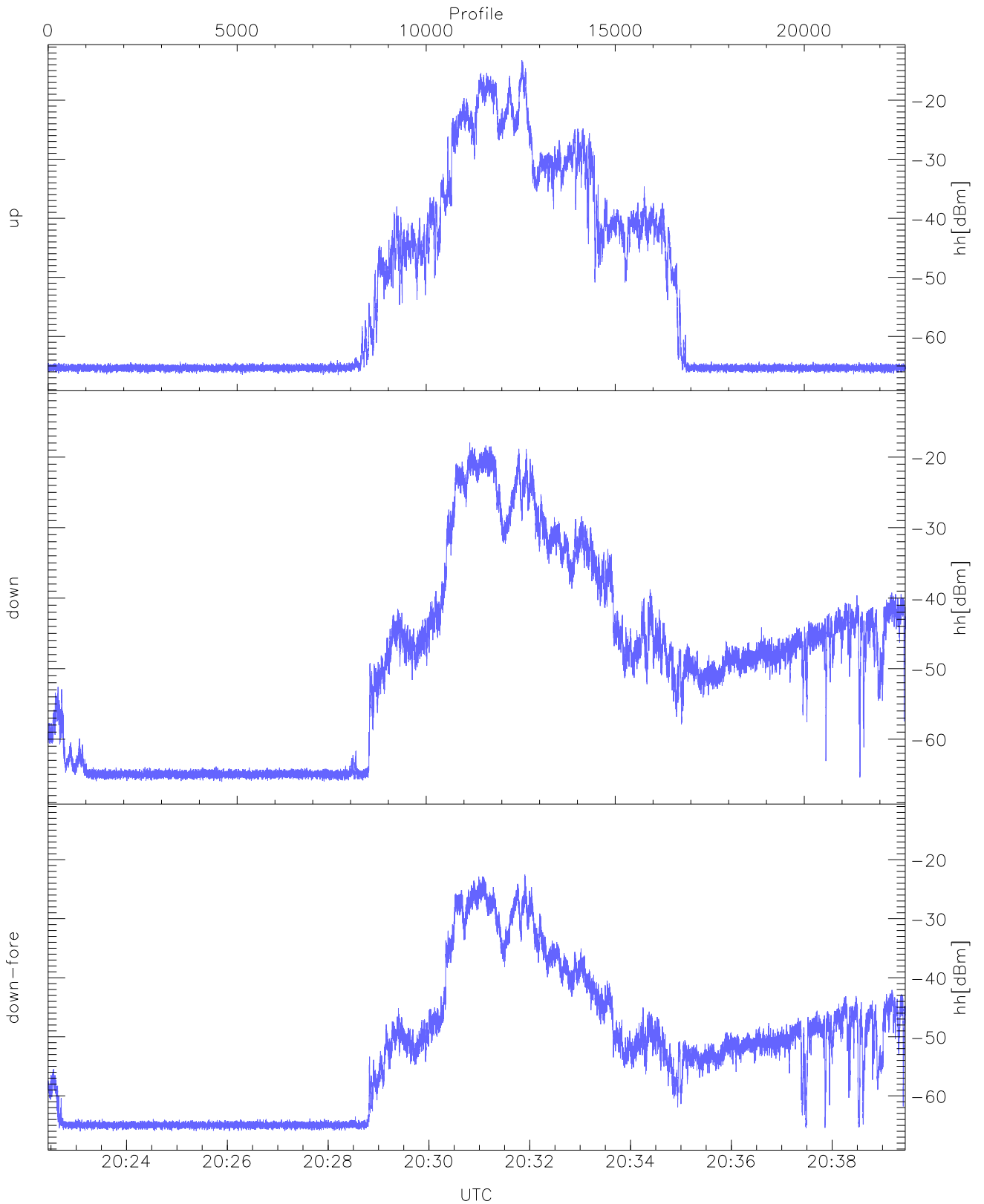
WCR3 CPP Averaged Received power for all recorded gates  
blue: 202227-203057, 11337 profiles averaged  
red: 203057-203927, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 202227-203057, 11337 profiles averaged  
red: 203057-203927, 11336 profiles averaged

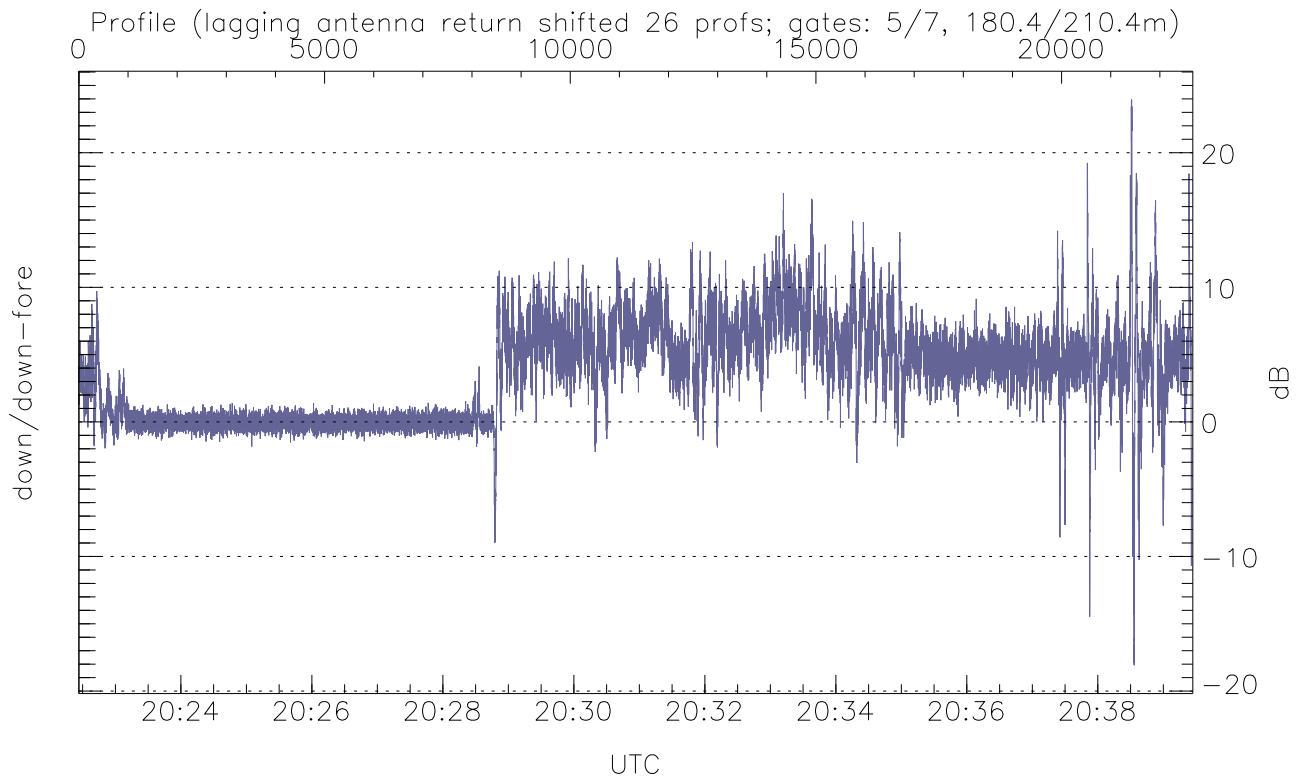
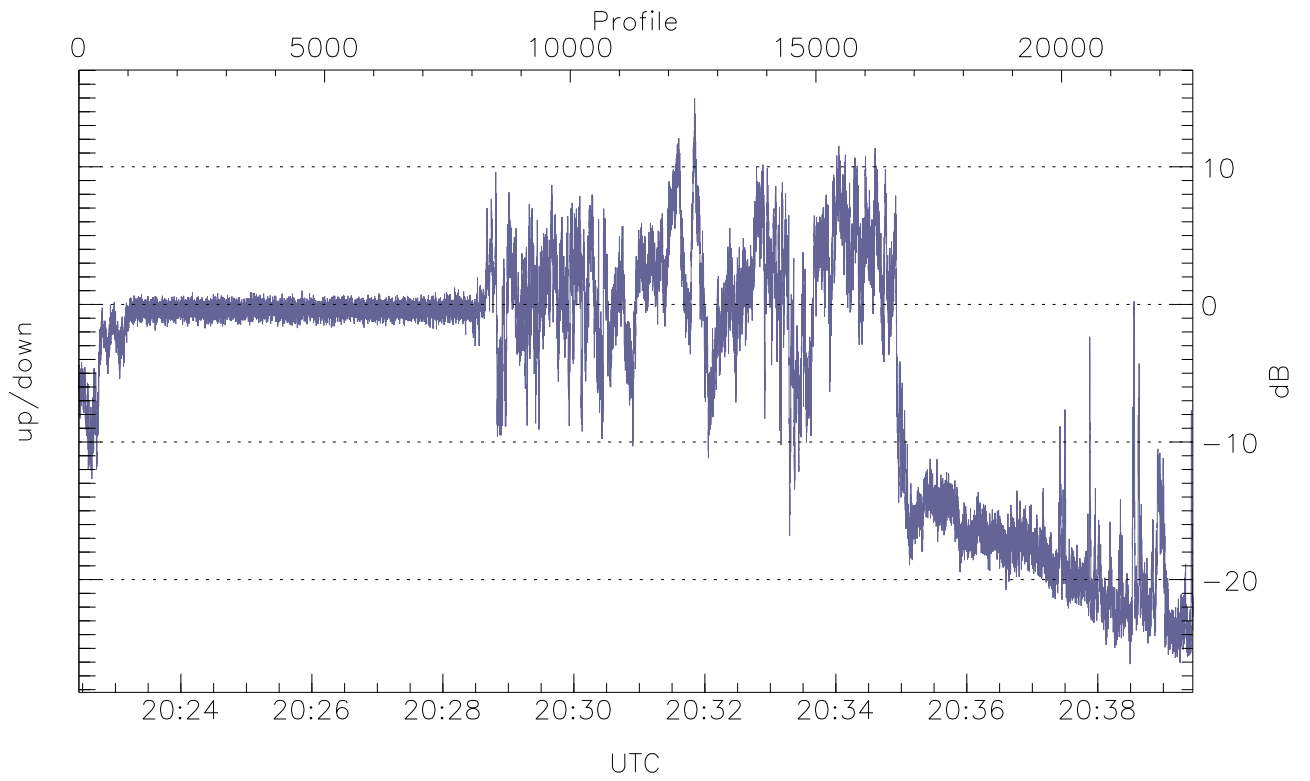


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



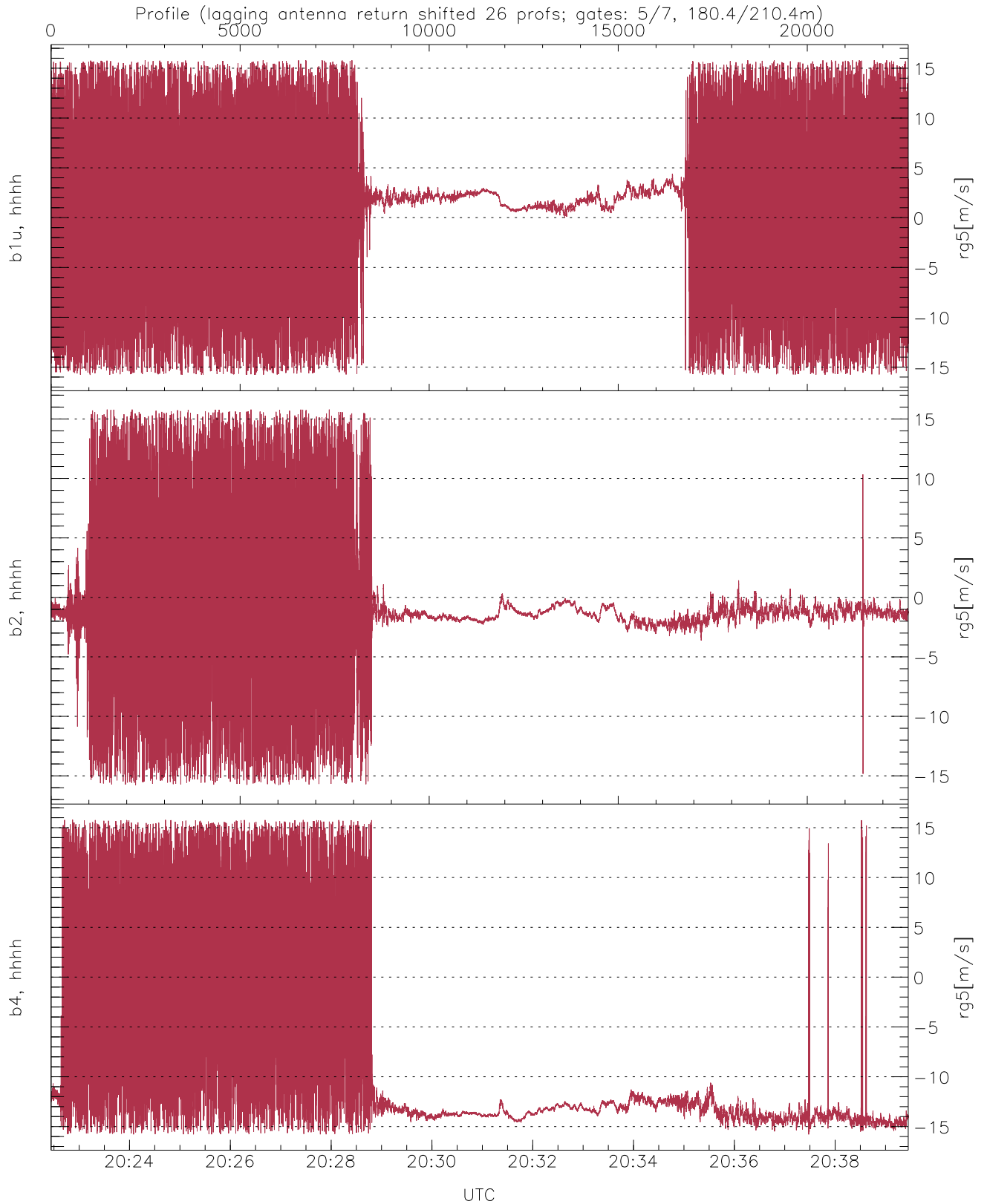
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -66.54 | -13.25 | -30.23 |
| down(hh[dBm])      | -66.03 | -17.93 | -32.41 |
| down-fore(hh[dBm]) | -66.01 | -22.50 | -37.35 |



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

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -26.14 | 14.98 | -4.60 |
| down/down-fore (dB) | -18.08 | 23.96 | 3.61  |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.78 | 15.79 | 0.84  | 6.92  |
| b2, hhhh(rg5[m/s])  | -15.78 | 15.79 | -0.95 | 4.84  |
| b4, hhhh(rg5[m/s])  | -15.79 | 15.79 | -8.60 | 8.44  |