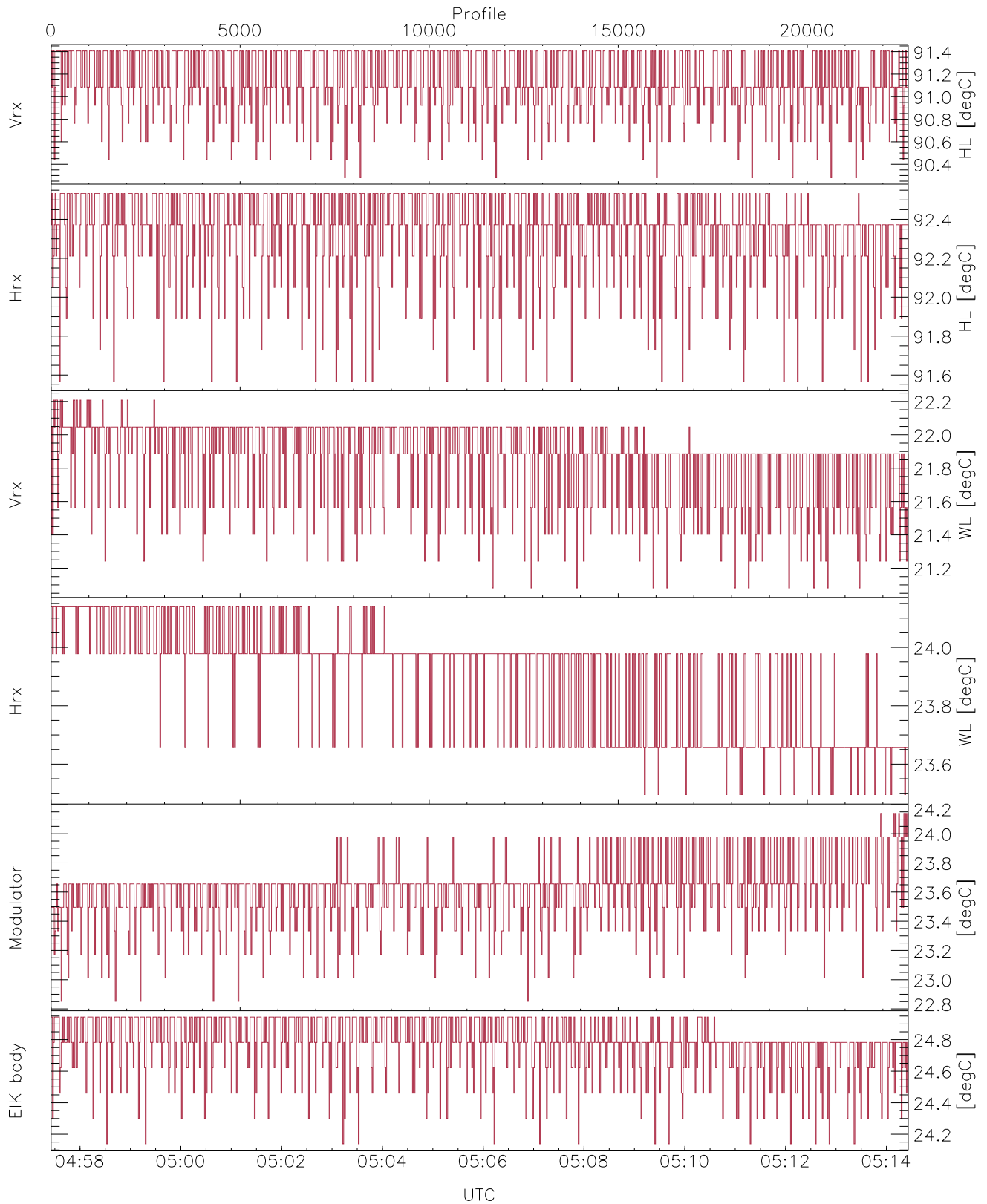


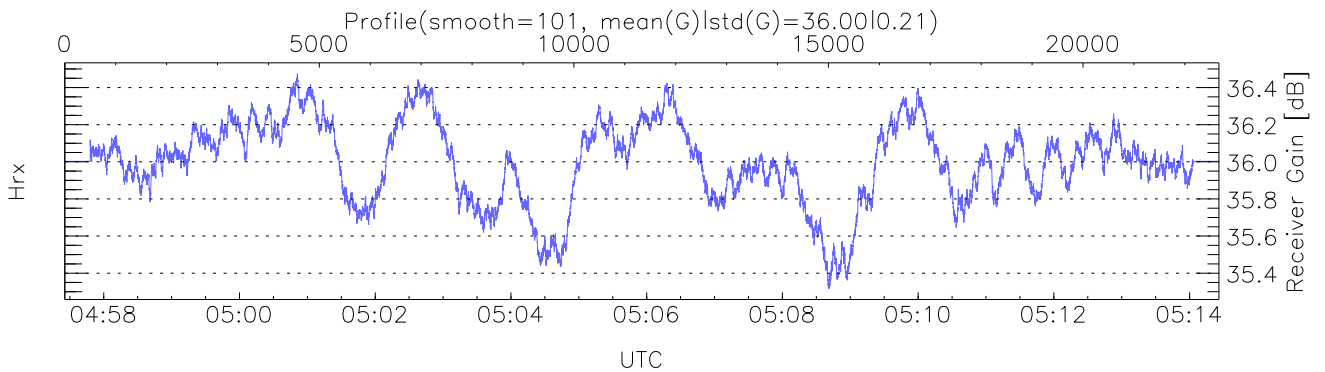
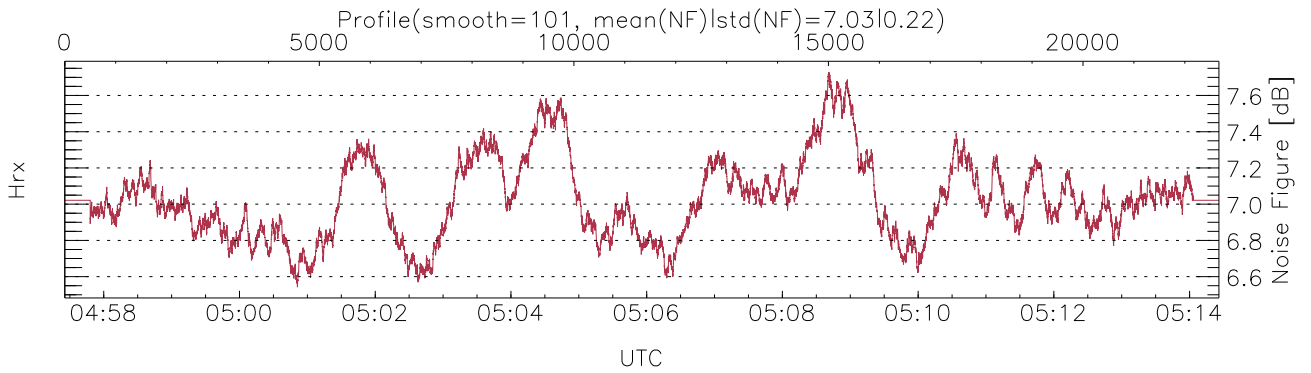
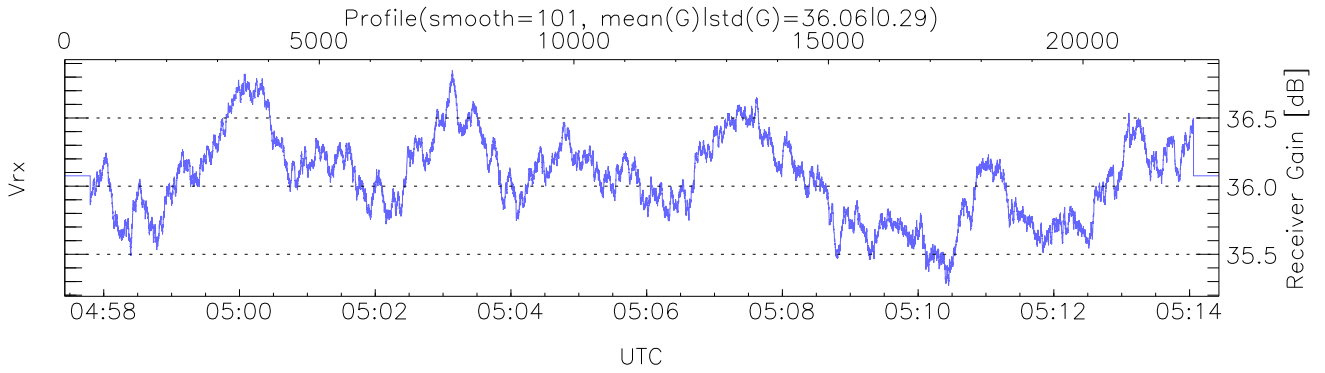
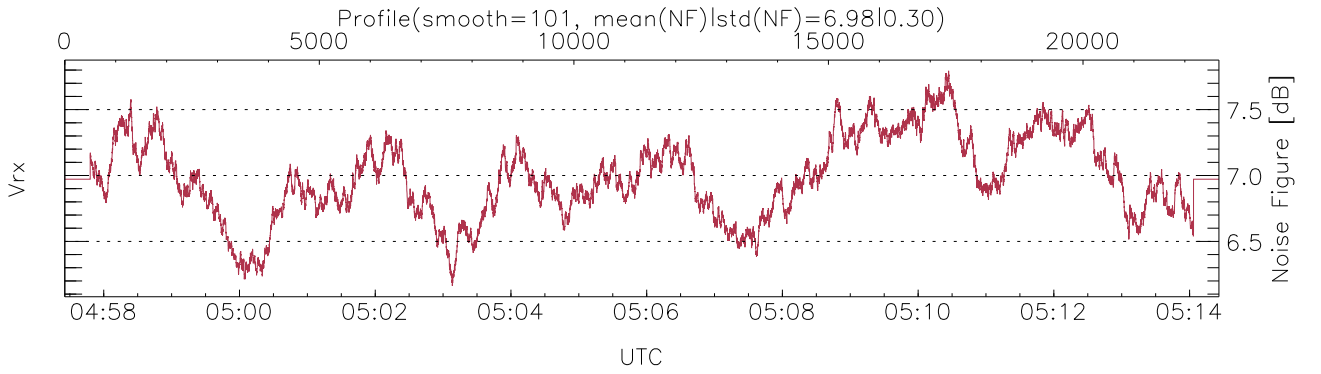
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 04:57:26-05:14:26, 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, 0-22671/04:57:26-05:14:26  
 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,rqs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



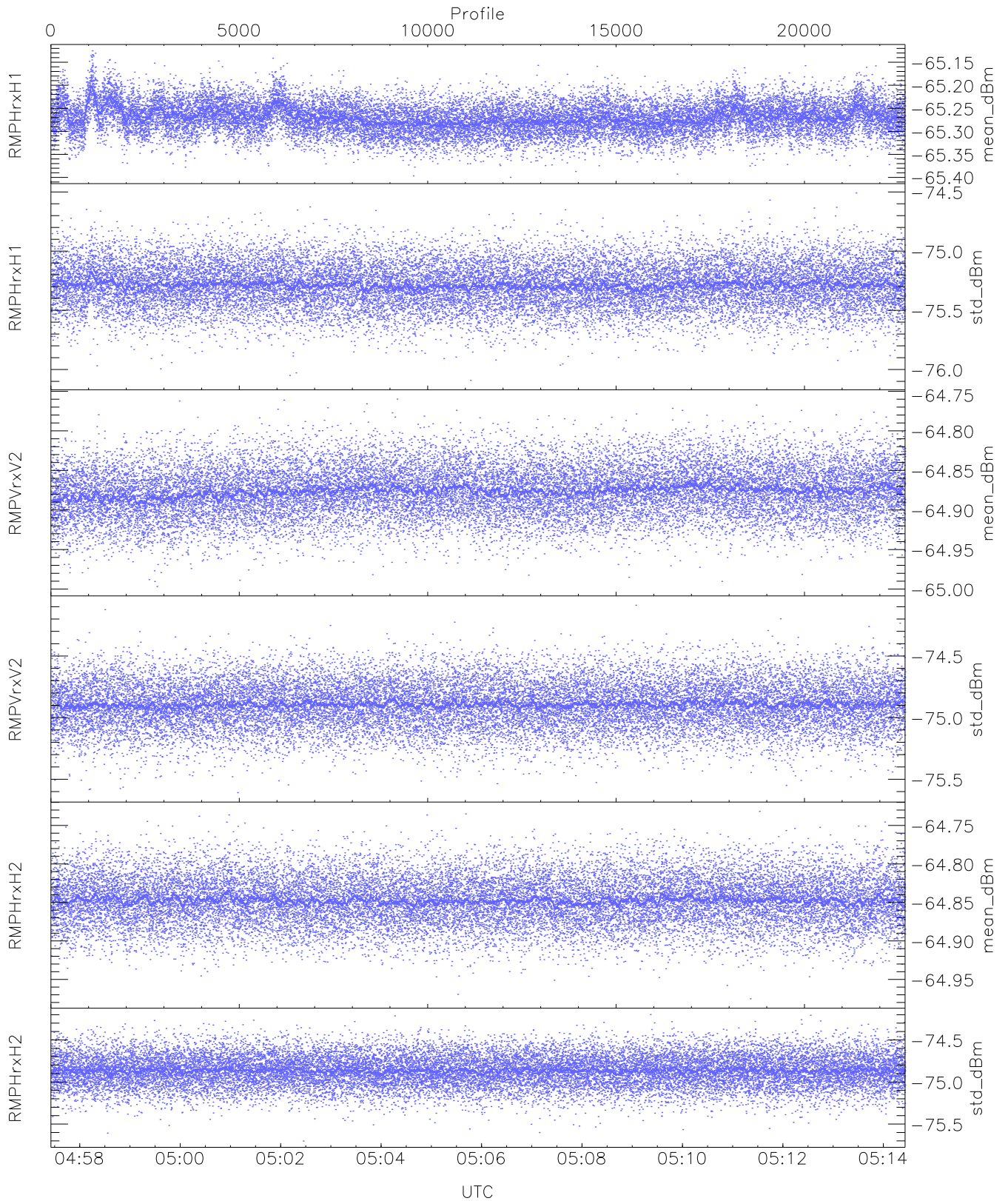
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,21,23,22,24`  
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,22,24,24,24`  
`LOalarm(20,240,2817,14861 MHz): 0,0,46,0`  
`EIK Faults(# prof affected):`  
`DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (22,22,70,70,46,22)`



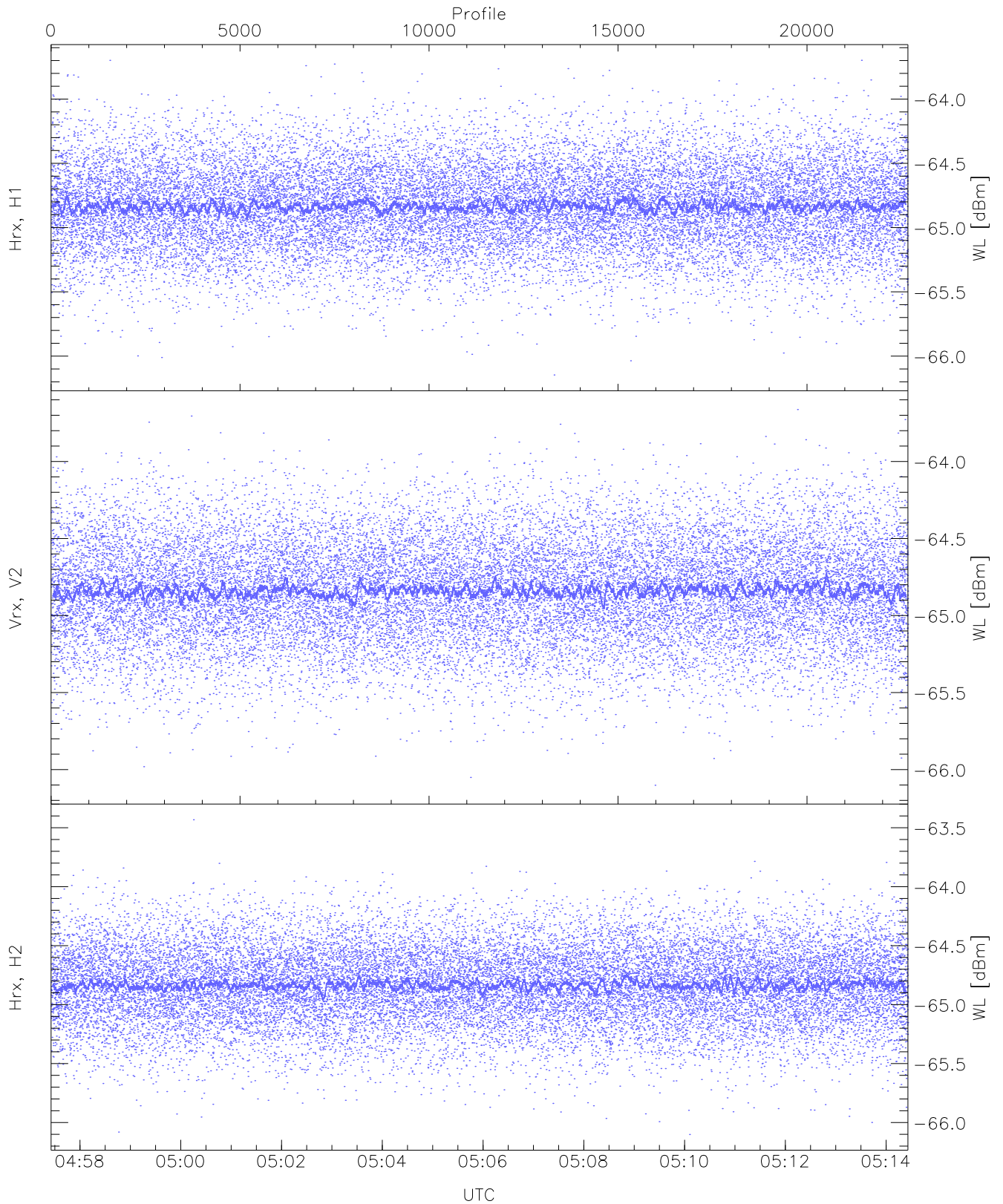
### WCR3 CPP Receivers Gain and Noise Figure

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



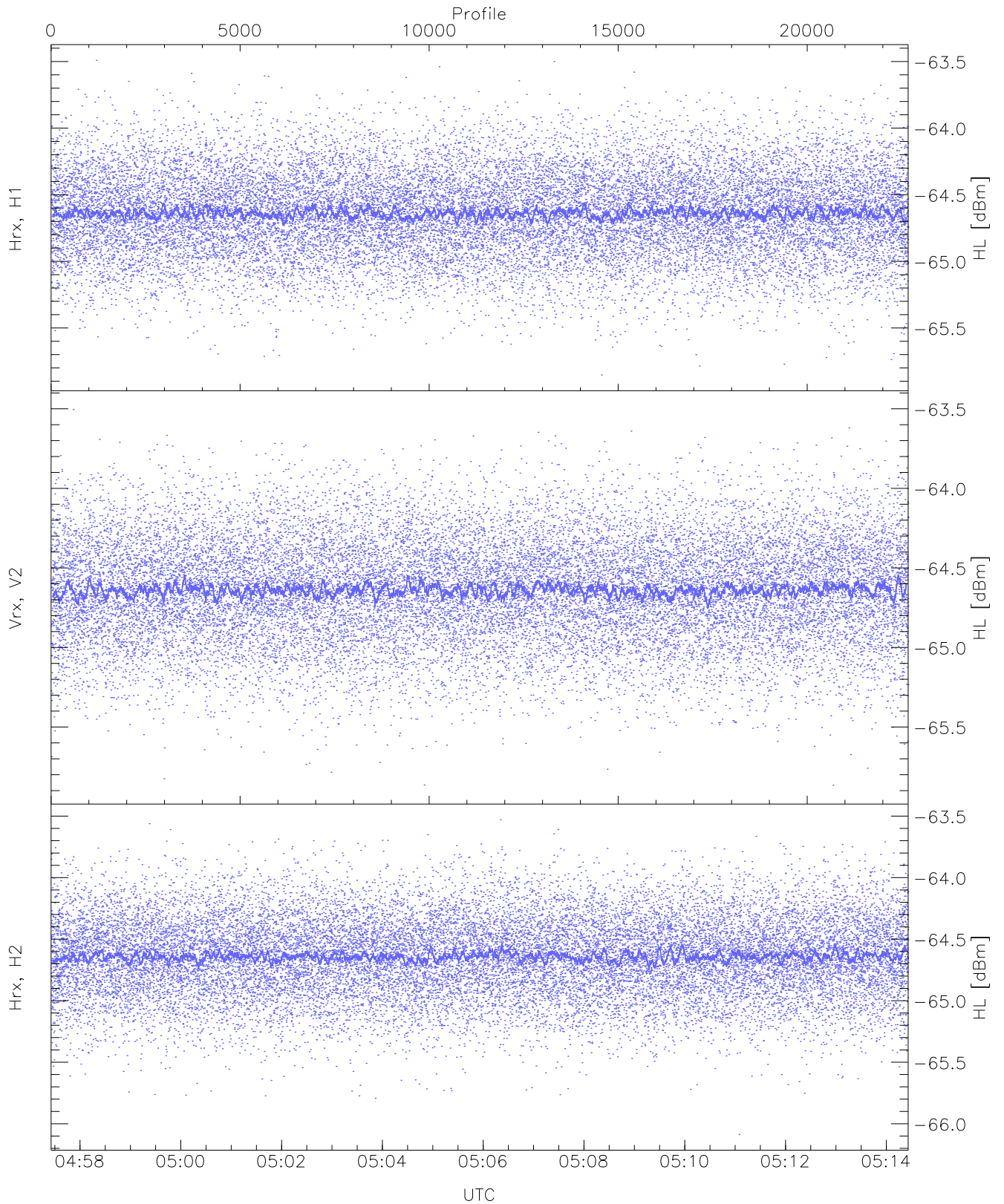
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.40 | -65.13 | -65.27 | -65.27 | -86.45 |
| RMPHrxH1(std_dBm)  | -76.09 | -74.51 | -75.29 | -75.29 | -89.06 |
| RMPVrxV2(mean_dBm) | -65.00 | -64.76 | -64.88 | -64.88 | -86.42 |
| RMPVrxV2(std_dBm)  | -75.61 | -74.09 | -74.89 | -74.89 | -88.68 |
| RMPHrxH2(mean_dBm) | -64.98 | -64.73 | -64.85 | -64.85 | -86.45 |
| RMPHrxH2(std_dBm)  | -75.70 | -74.20 | -74.86 | -74.87 | -88.67 |



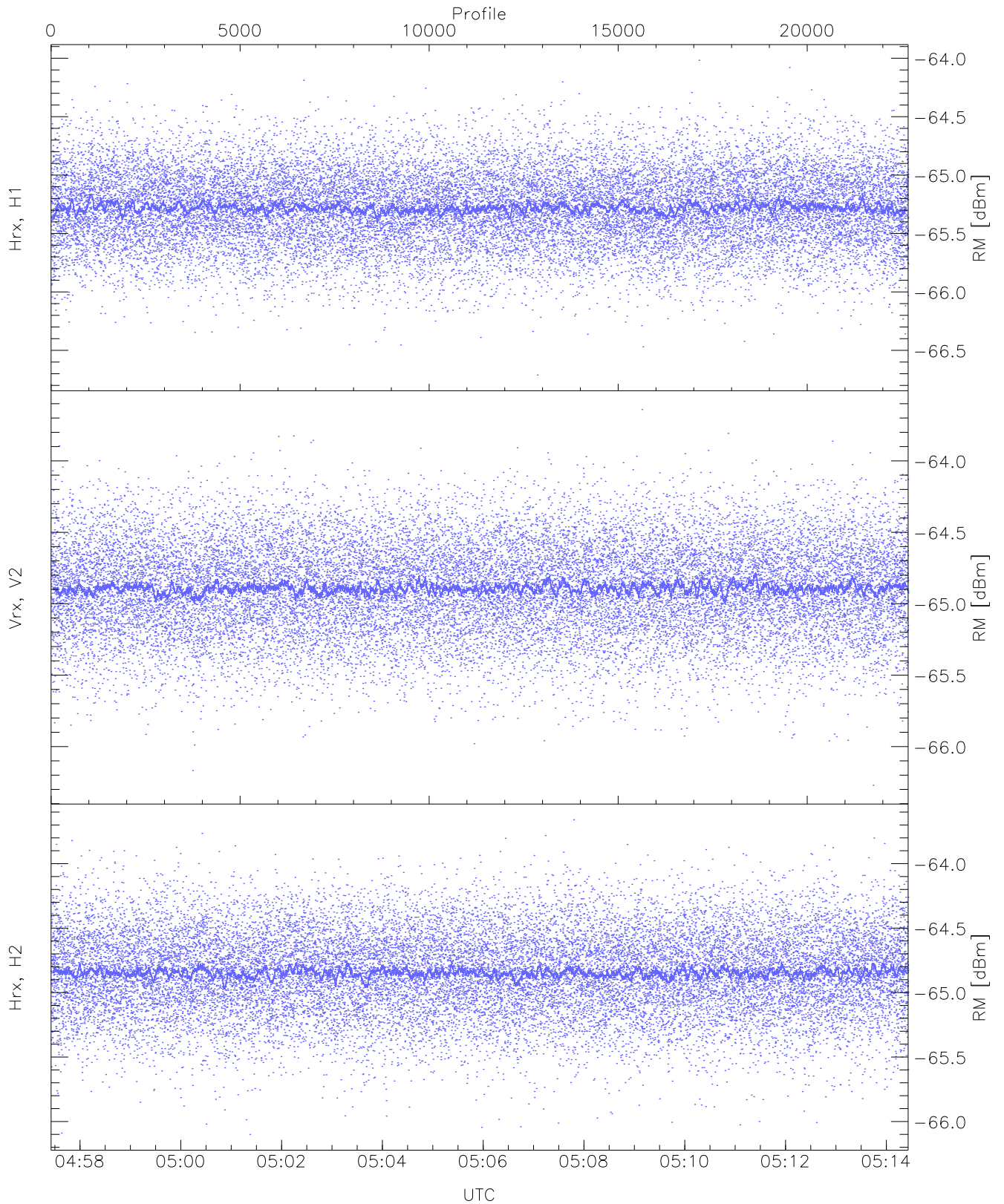
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.15 | -63.70 | -64.83 | -64.83 | -76.35 |
| Vrx, V2 (WL [dBm]) | -66.10 | -63.66 | -64.83 | -64.84 | -76.34 |
| Hrx, H2 (WL [dBm]) | -66.10 | -63.43 | -64.83 | -64.83 | -76.37 |



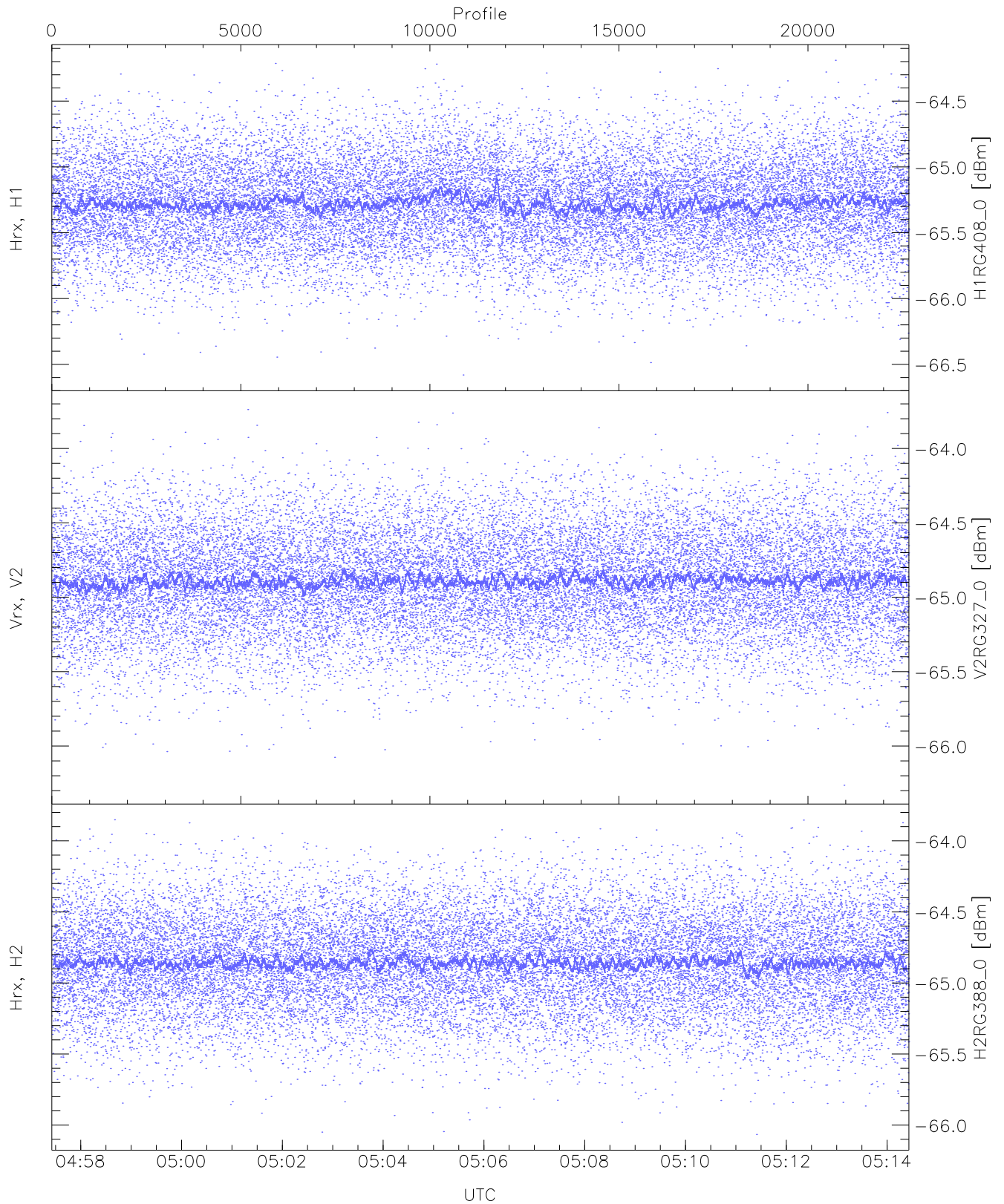
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.85 | -63.49 | -64.63 | -64.64 | -76.16 |
| Vrx, V2 (HL [dBm]) | -65.87 | -63.50 | -64.63 | -64.64 | -76.14 |
| Hrx, H2 (HL [dBm]) | -66.09 | -63.53 | -64.63 | -64.64 | -76.14 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

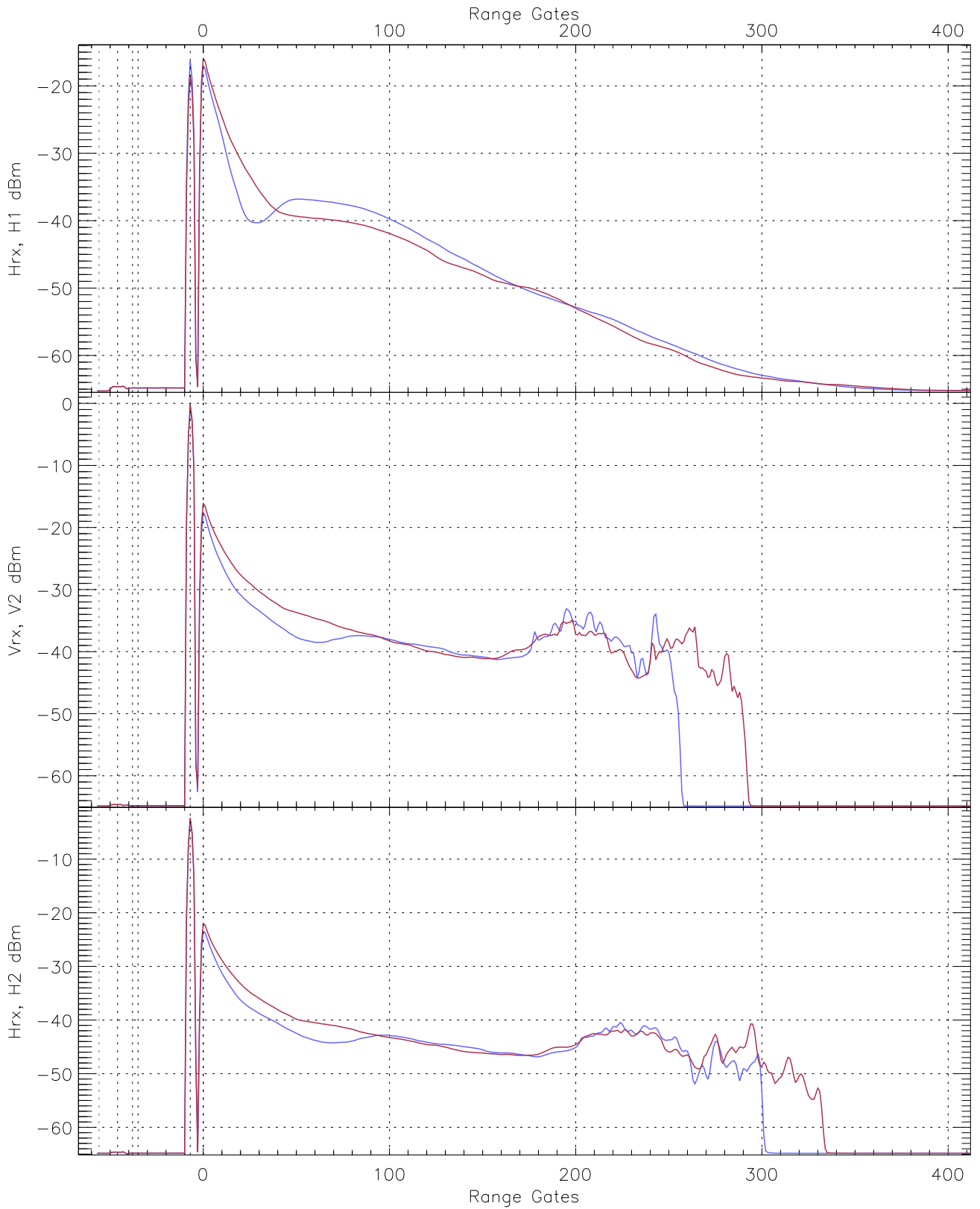
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.71 | -64.02 | -65.27 | -65.28 | -76.76 |
| Vrx, V2 (RM [dBm]) | -66.27 | -63.64 | -64.88 | -64.89 | -76.41 |
| Hrx, H2 (RM [dBm]) | -66.10 | -63.66 | -64.84 | -64.85 | -76.33 |



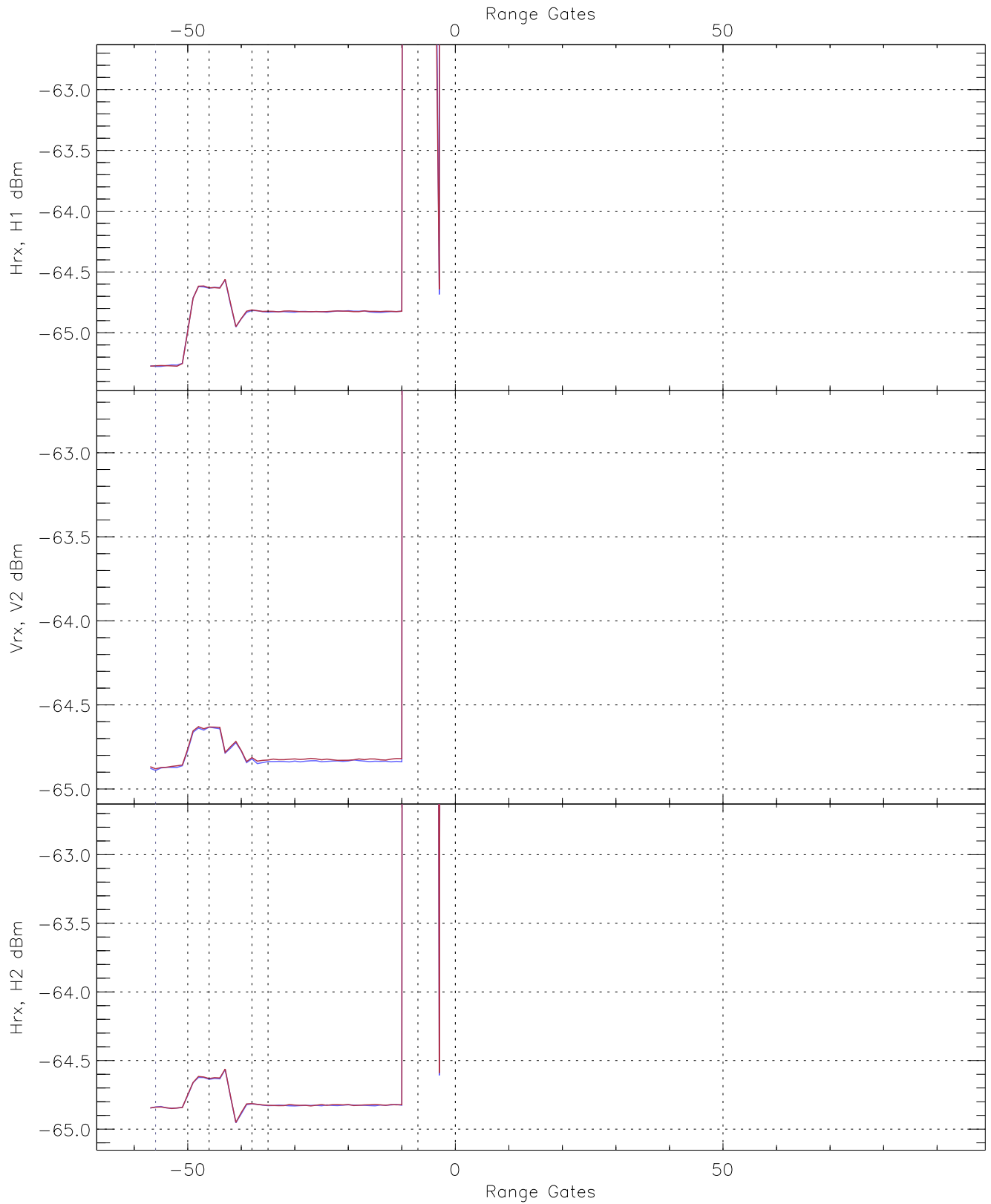
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG408_0 [dBm] | -66.58 | -64.19 | -65.27 | -65.28 | -76.76 |
| V2RG327_0 [dBm] | -66.26 | -63.74 | -64.88 | -64.89 | -76.37 |
| H2RG388_0 [dBm] | -66.07 | -63.85 | -64.85 | -64.86 | -76.41 |

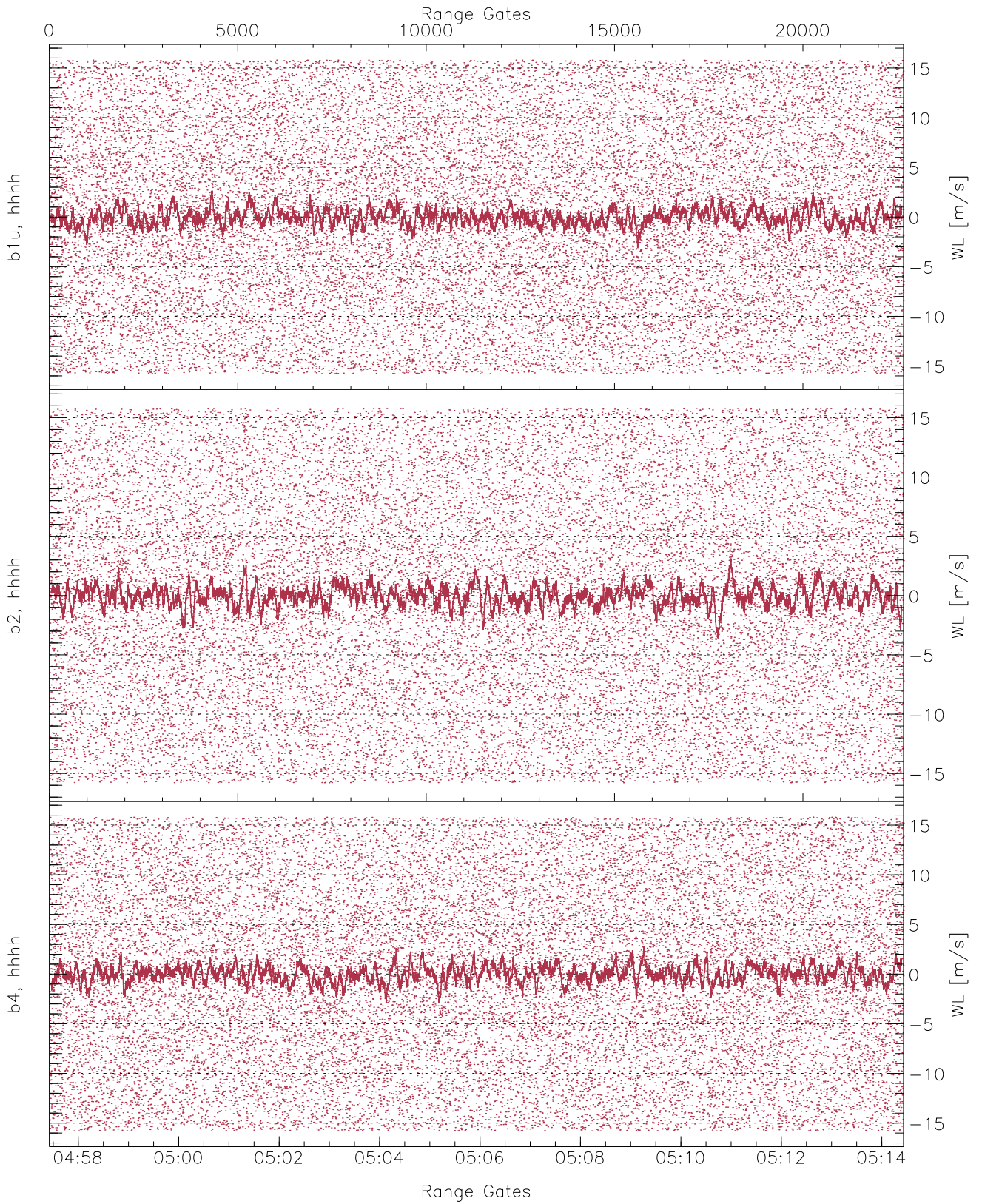




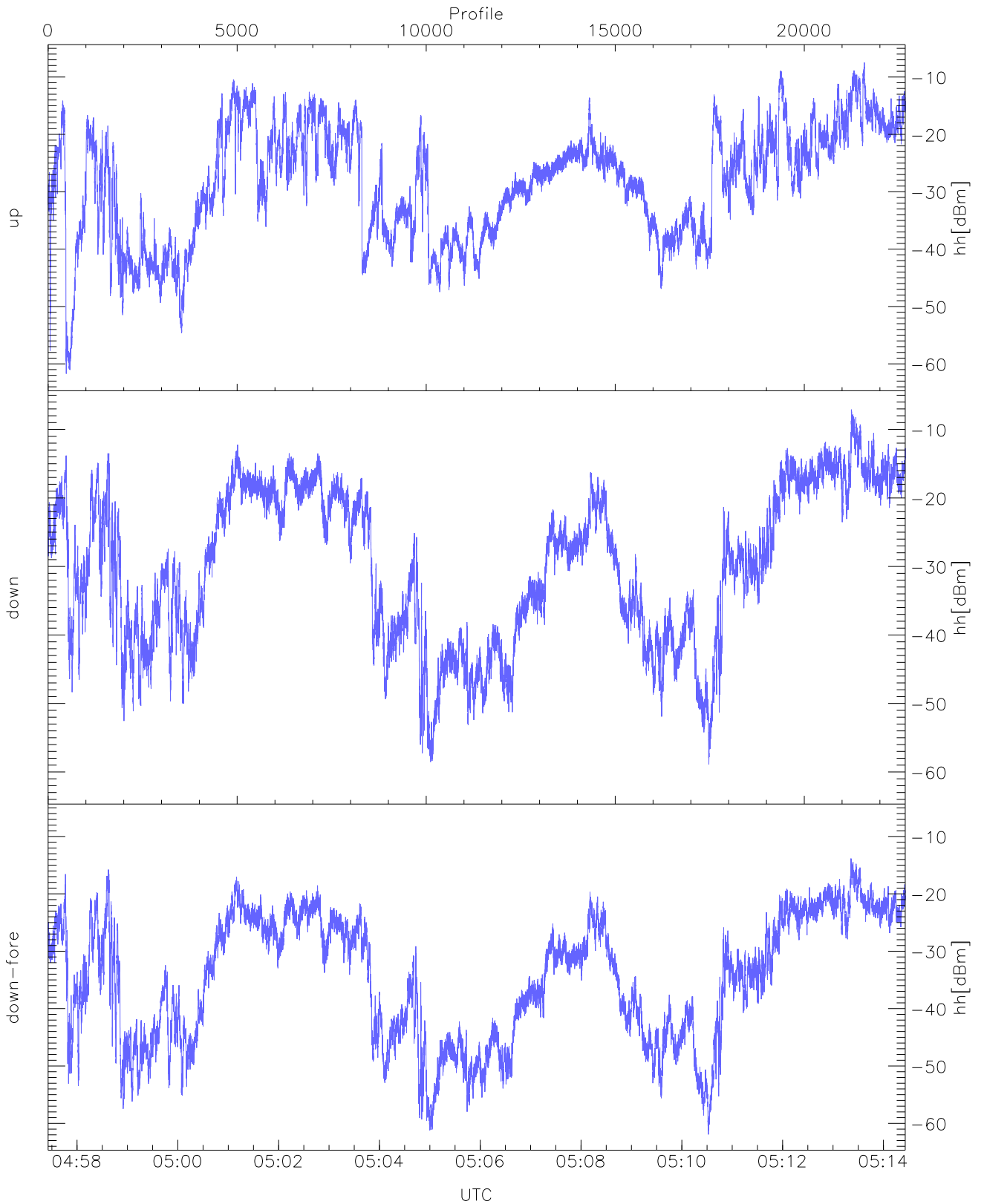
WCR3 CPP Averaged Received power for all recorded gates  
blue: 045726-050556, 11337 profiles averaged  
red: 050556-051426, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 045726-050556, 11337 profiles averaged  
red: 050556-051426, 11336 profiles averaged

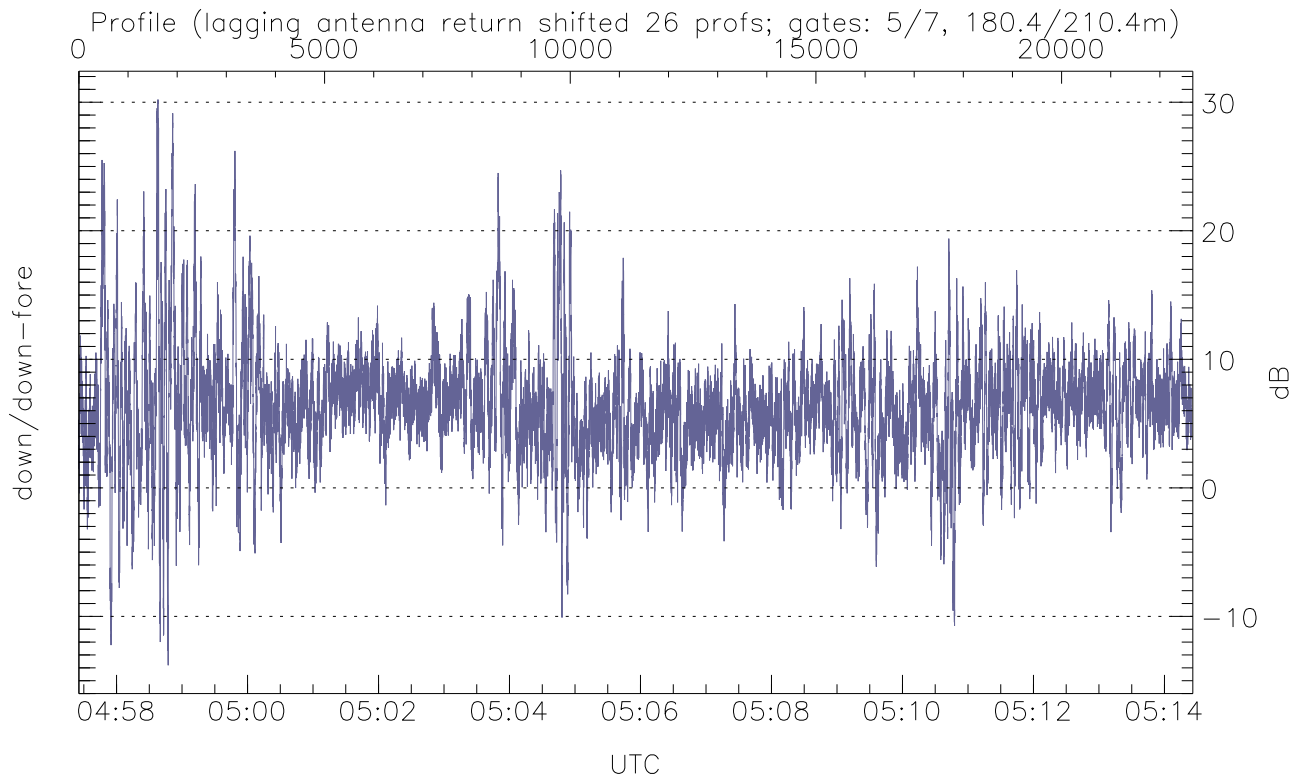
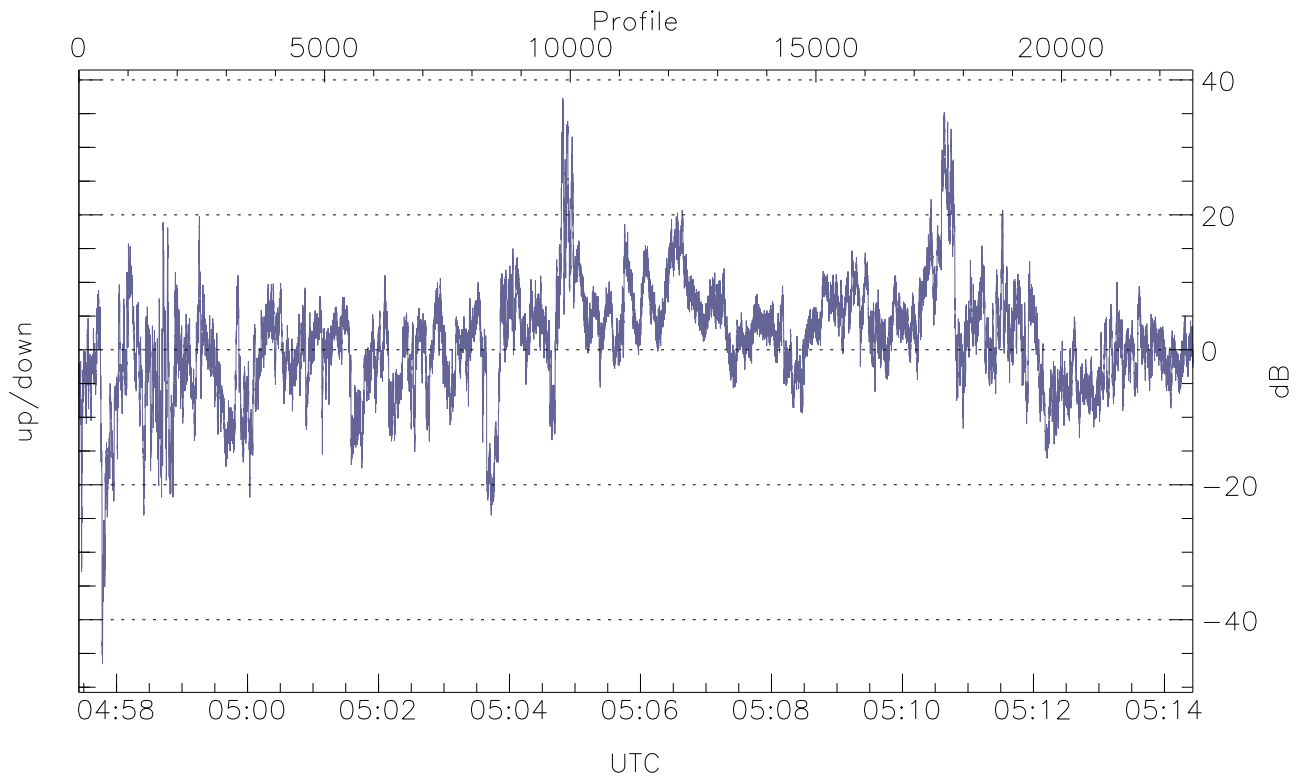


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



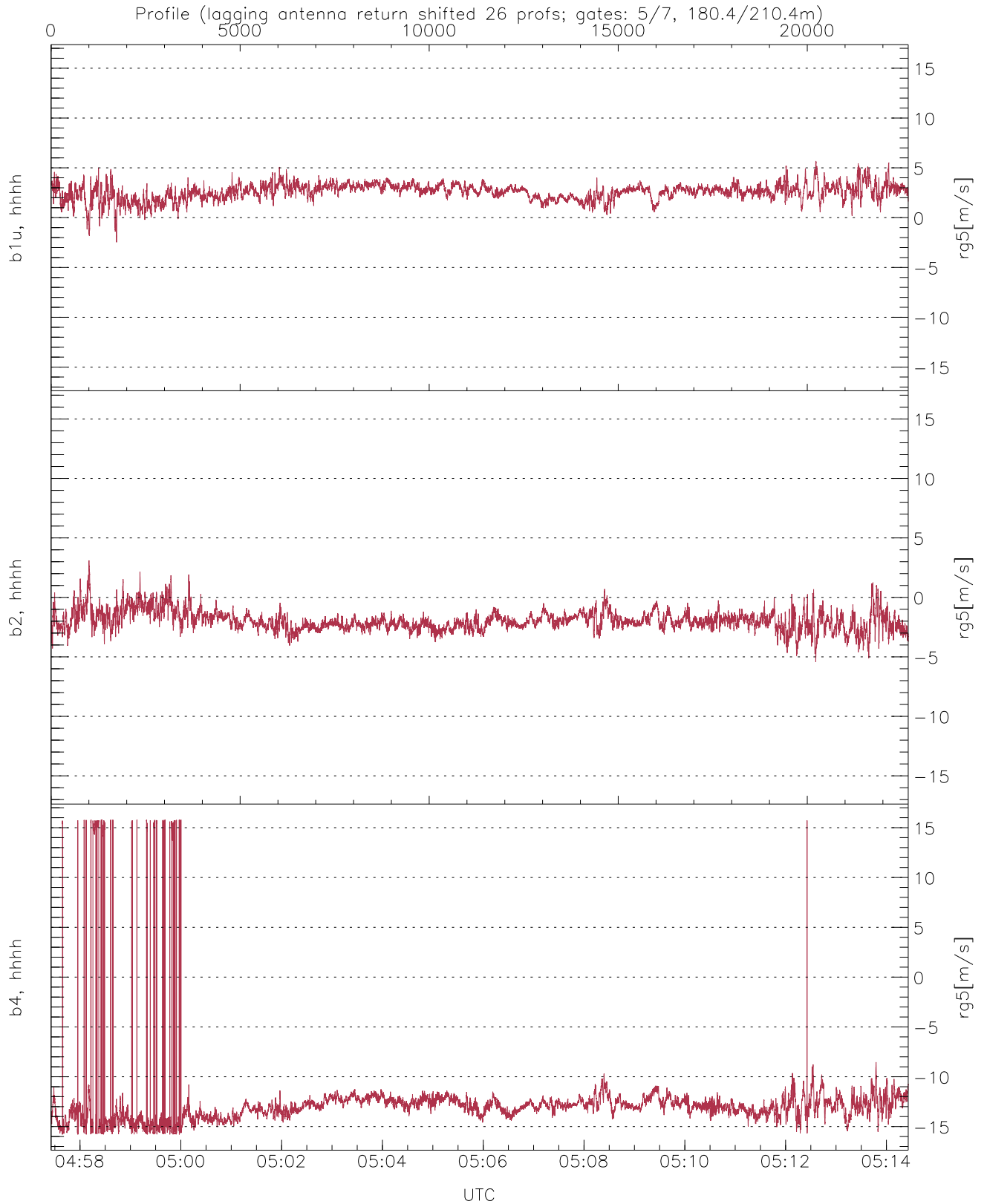
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -61.72 | -7.48  | -21.21 |
| down(hh[dBm])      | -58.90 | -7.09  | -21.08 |
| down-fore(hh[dBm]) | -61.94 | -13.85 | -26.59 |



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

|                     | Min    | Max   | Mean |
|---------------------|--------|-------|------|
| up/down (dB)        | -46.57 | 37.27 | 1.26 |
| down/down-fore (dB) | -13.80 | 30.21 | 6.37 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean   | StDev |
|---------------------|--------|-------|--------|-------|
| b1u, hhhh(rg5[m/s]) | -2.47  | 5.68  | 2.57   | 0.81  |
| b2, hhhh(rg5[m/s])  | -5.43  | 3.11  | -1.96  | 0.82  |
| b4, hhhh(rg5[m/s])  | -15.79 | 15.79 | -12.55 | 3.95  |