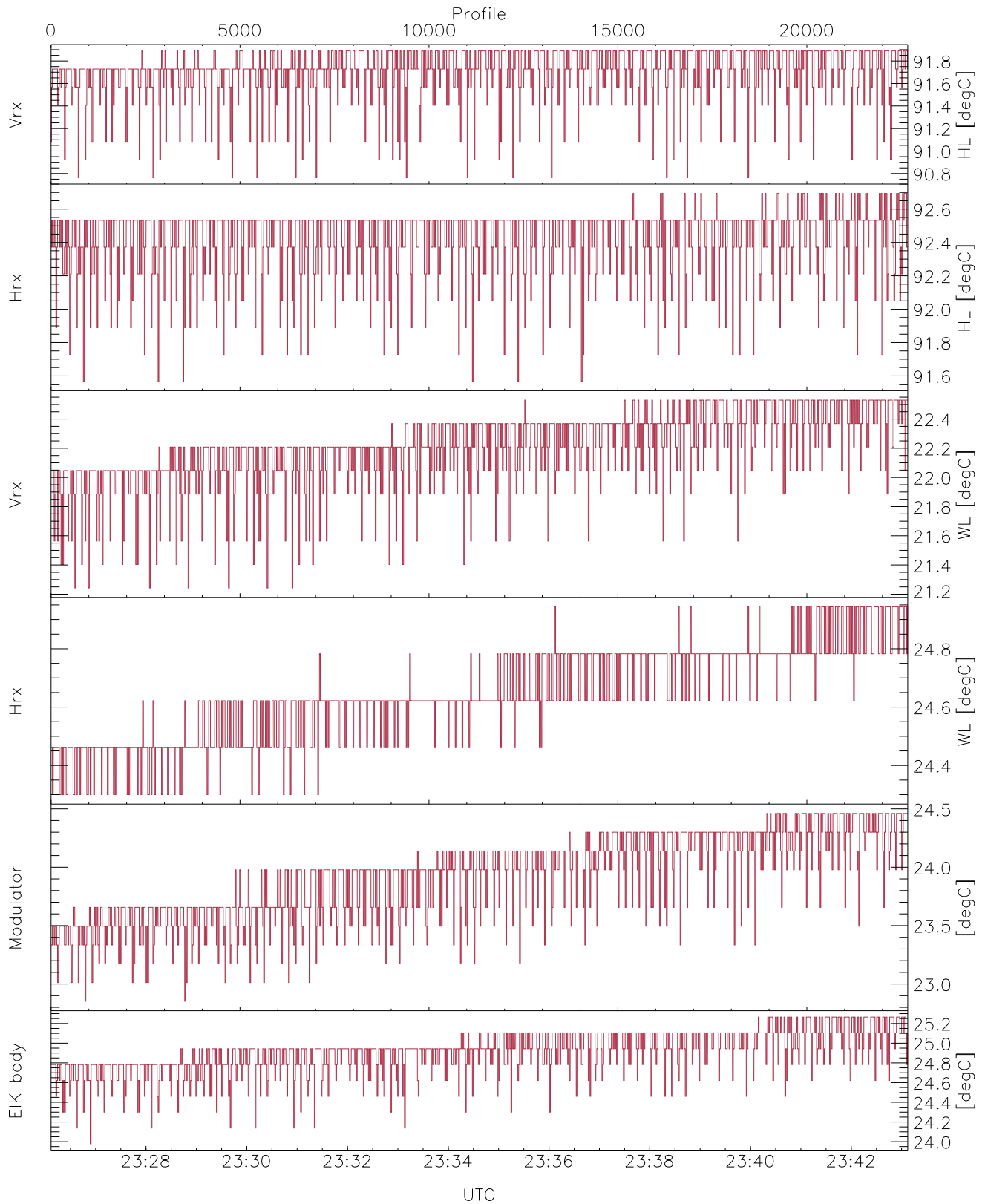


WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

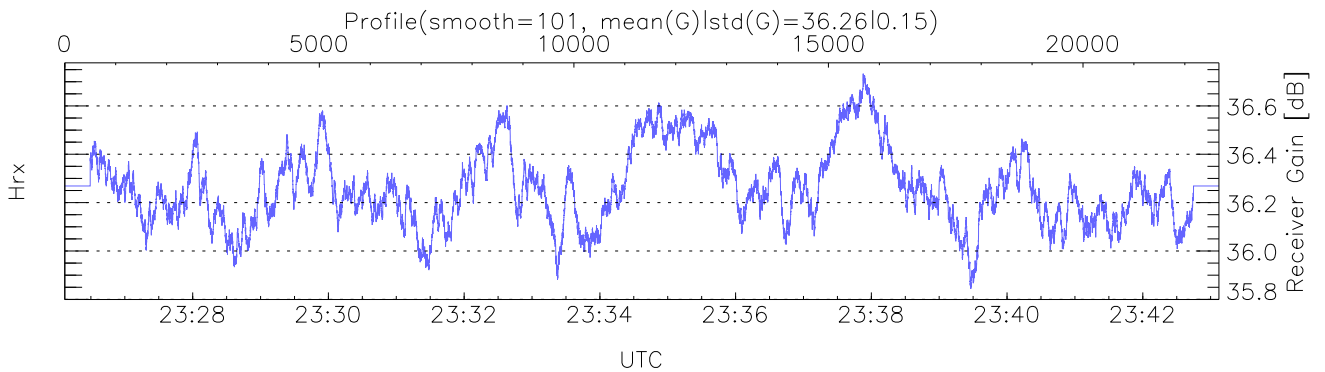
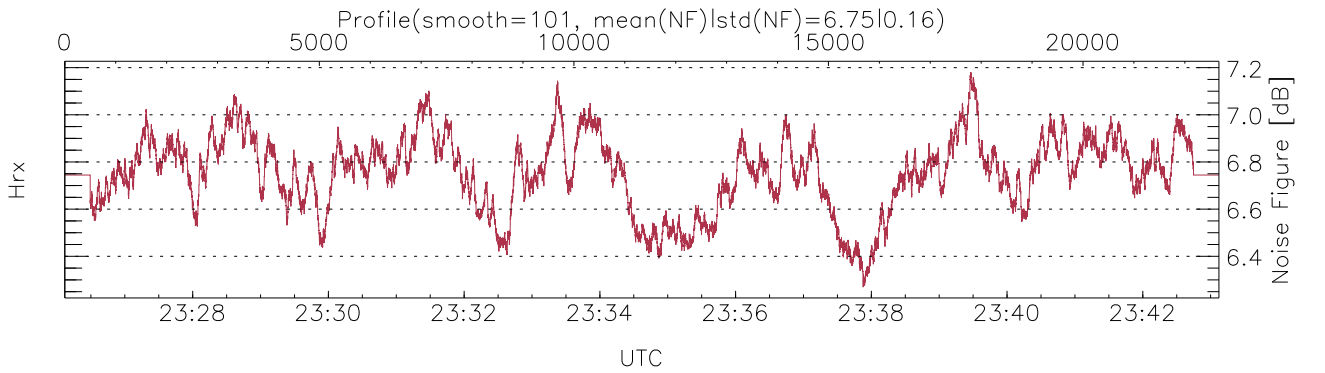
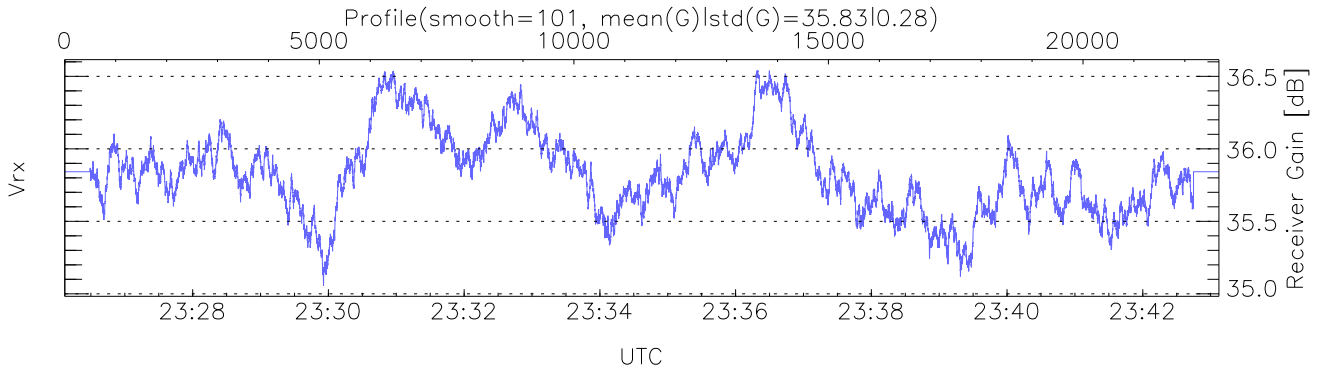
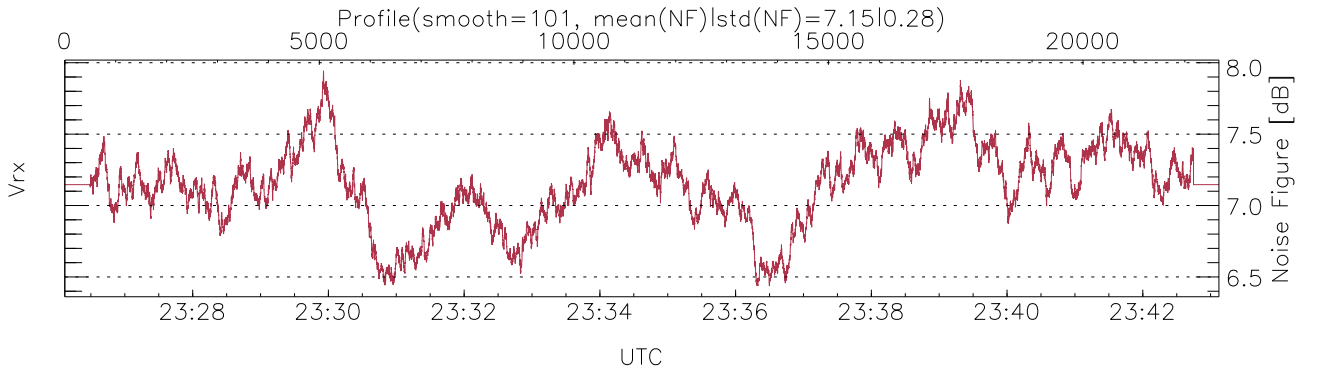
UTC: 23:26:07-23:43:07, TimeCor: 0.00s, Dur: 1020.45s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2  
 NumRec(r/t): 22672/22672, 0-22671/23:26:07-23:43:07  
 AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100  
 Pulse: 250ns, 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

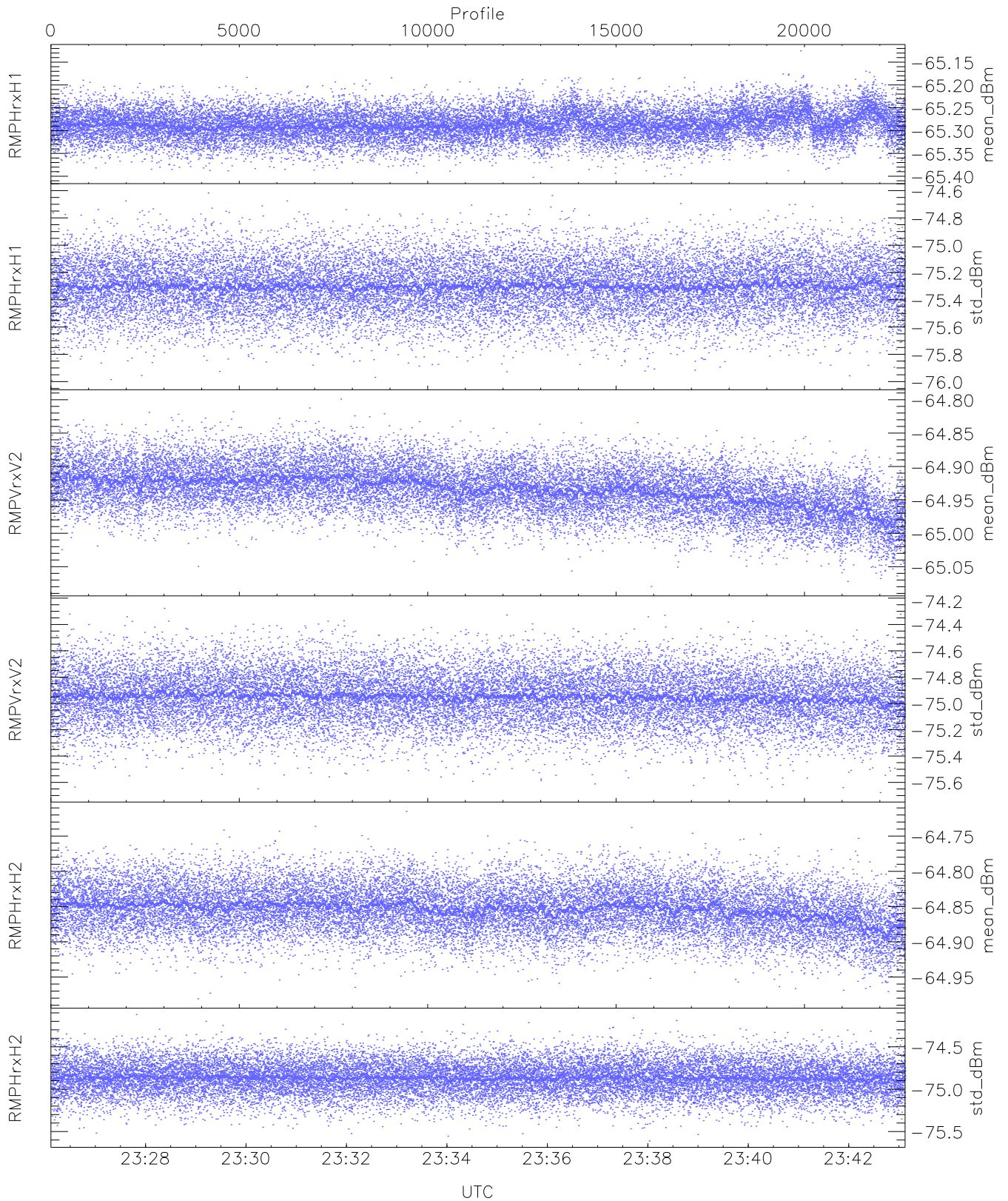
`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,21,24,22,23`  
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,22,24,24,25`  
`LOalarm(20,240,2817,14861 MHz): None`

`EIK Faults(# prof affected):`  
`DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (24,24,24,24,24,24)`



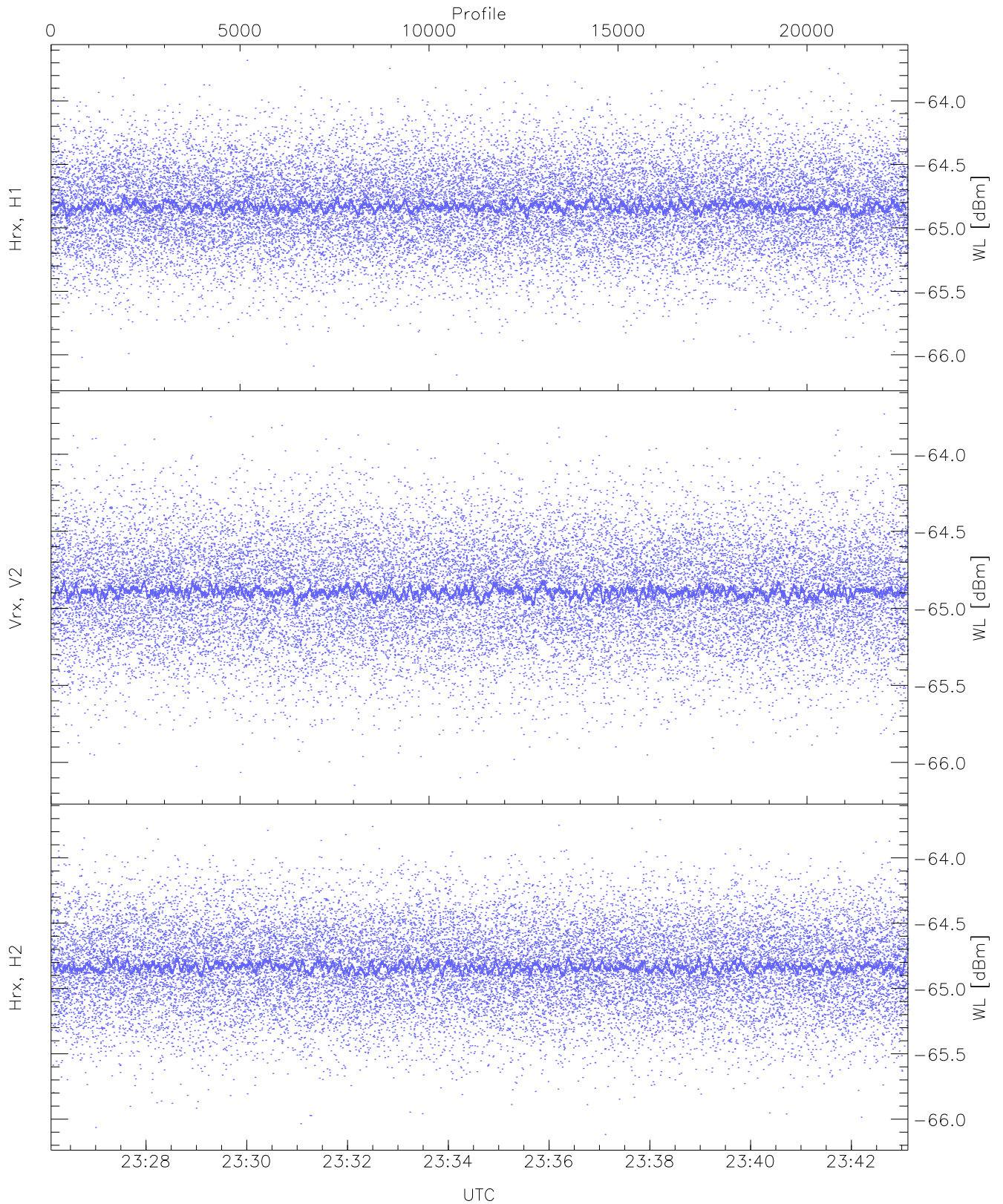
### WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 1 pixs, 1 gates, 1 profs, 1 prod(s)



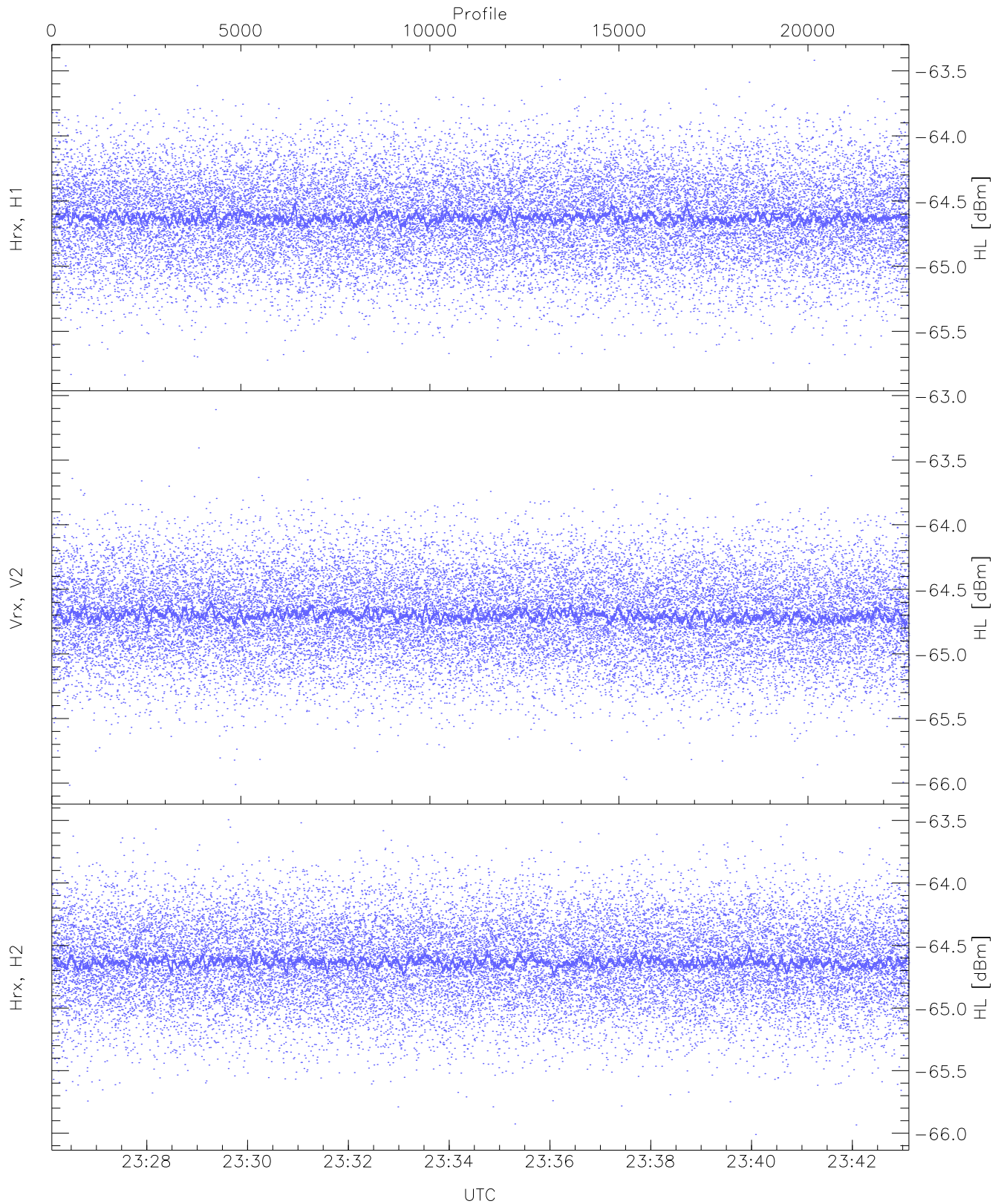
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.40 | -65.13 | -65.29 | -65.29 | -86.73 |
| RMPHrxH1(std_dBm)  | -75.99 | -74.62 | -75.30 | -75.30 | -89.09 |
| RMPVrxV2(mean_dBm) | -65.08 | -64.80 | -64.93 | -64.93 | -85.89 |
| RMPVrxV2(std_dBm)  | -75.68 | -74.25 | -74.95 | -74.95 | -88.74 |
| RMPHrxH2(mean_dBm) | -64.98 | -64.71 | -64.85 | -64.85 | -86.24 |
| RMPHrxH2(std_dBm)  | -75.61 | -74.12 | -74.87 | -74.87 | -88.65 |



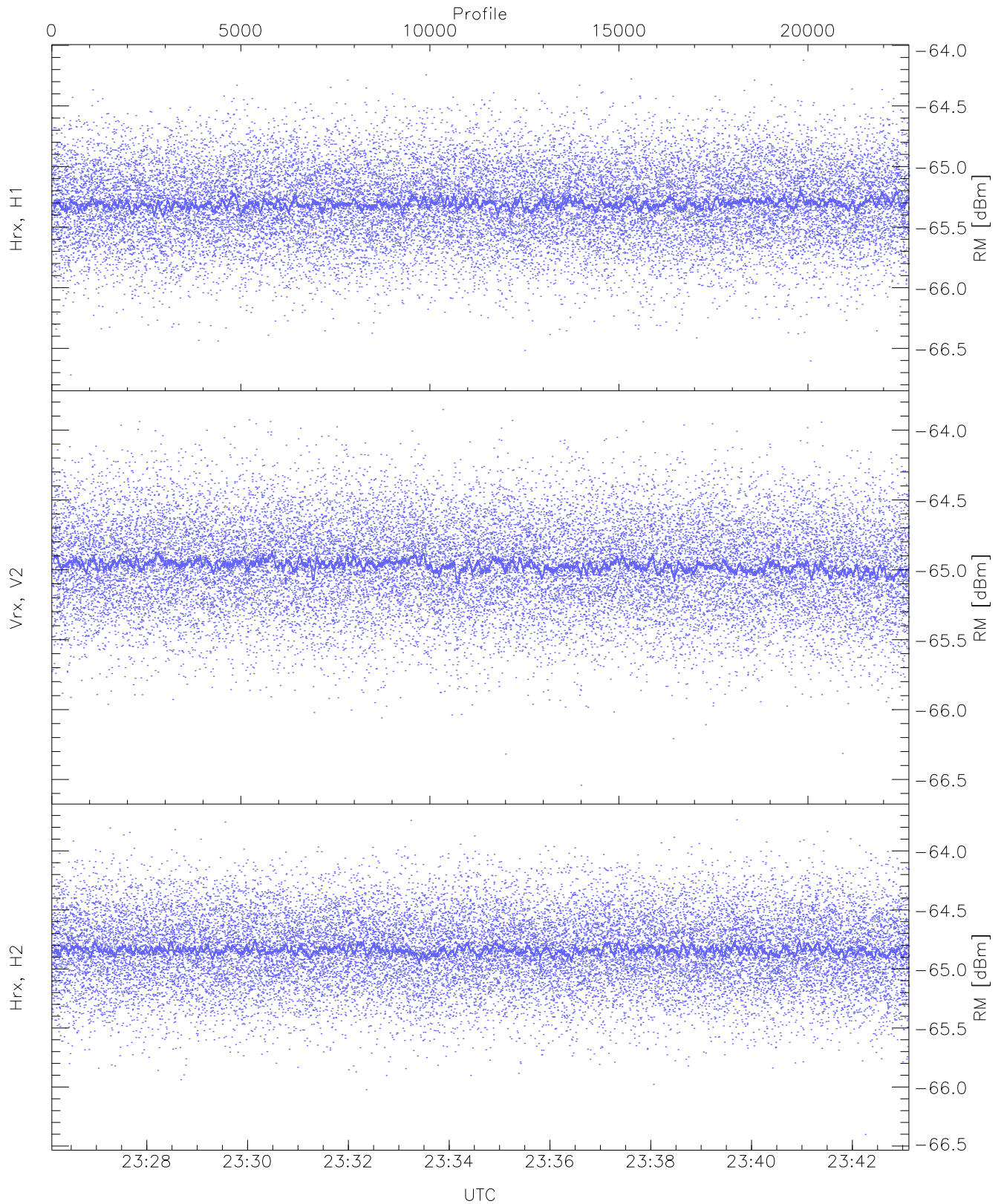
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.16 | -63.68 | -64.82 | -64.83 | -76.33 |
| Vrx, V2 (WL [dBm]) | -66.15 | -63.71 | -64.89 | -64.89 | -76.40 |
| Hrx, H2 (WL [dBm]) | -66.12 | -63.71 | -64.83 | -64.83 | -76.37 |



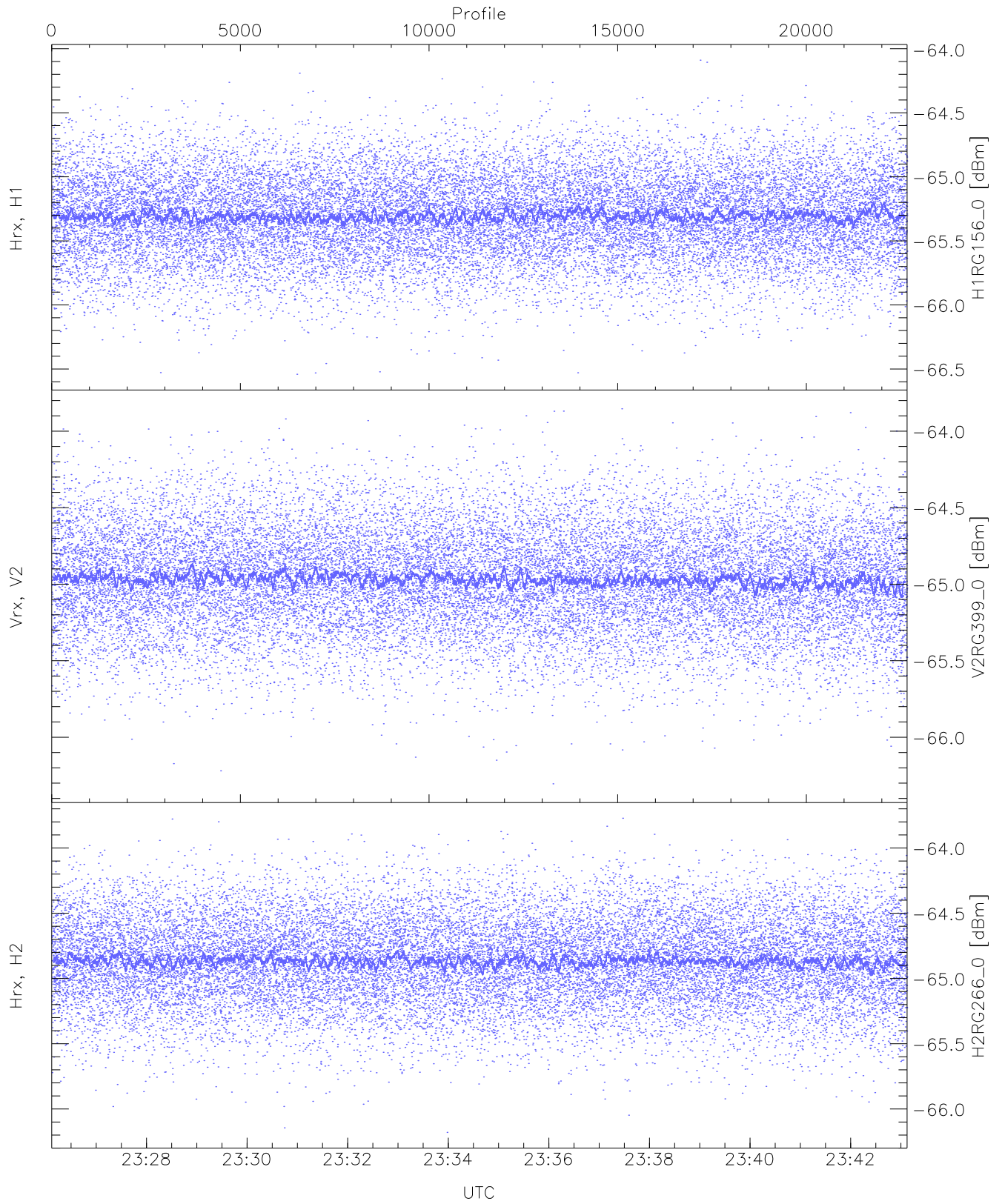
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.84 | -63.42 | -64.62 | -64.63 | -76.13 |
| Vrx, V2 (HL [dBm]) | -66.02 | -63.11 | -64.69 | -64.70 | -76.18 |
| Hrx, H2 (HL [dBm]) | -66.01 | -63.49 | -64.63 | -64.63 | -76.12 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

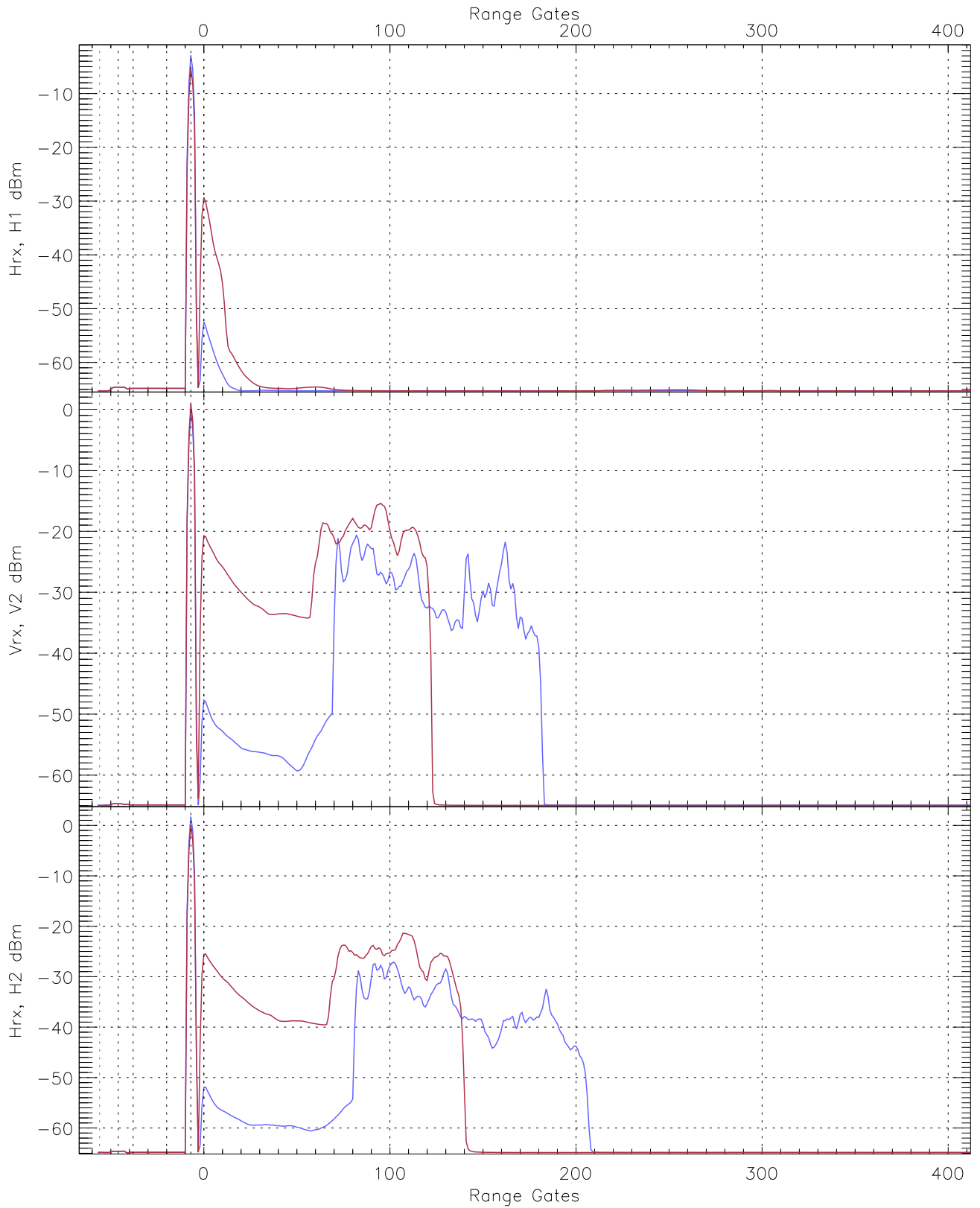
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.72 | -64.12 | -65.30 | -65.31 | -76.79 |
| Vrx, V2 (RM [dBm]) | -66.54 | -63.85 | -64.96 | -64.97 | -76.44 |
| Hrx, H2 (RM [dBm]) | -66.40 | -63.74 | -64.83 | -64.84 | -76.39 |



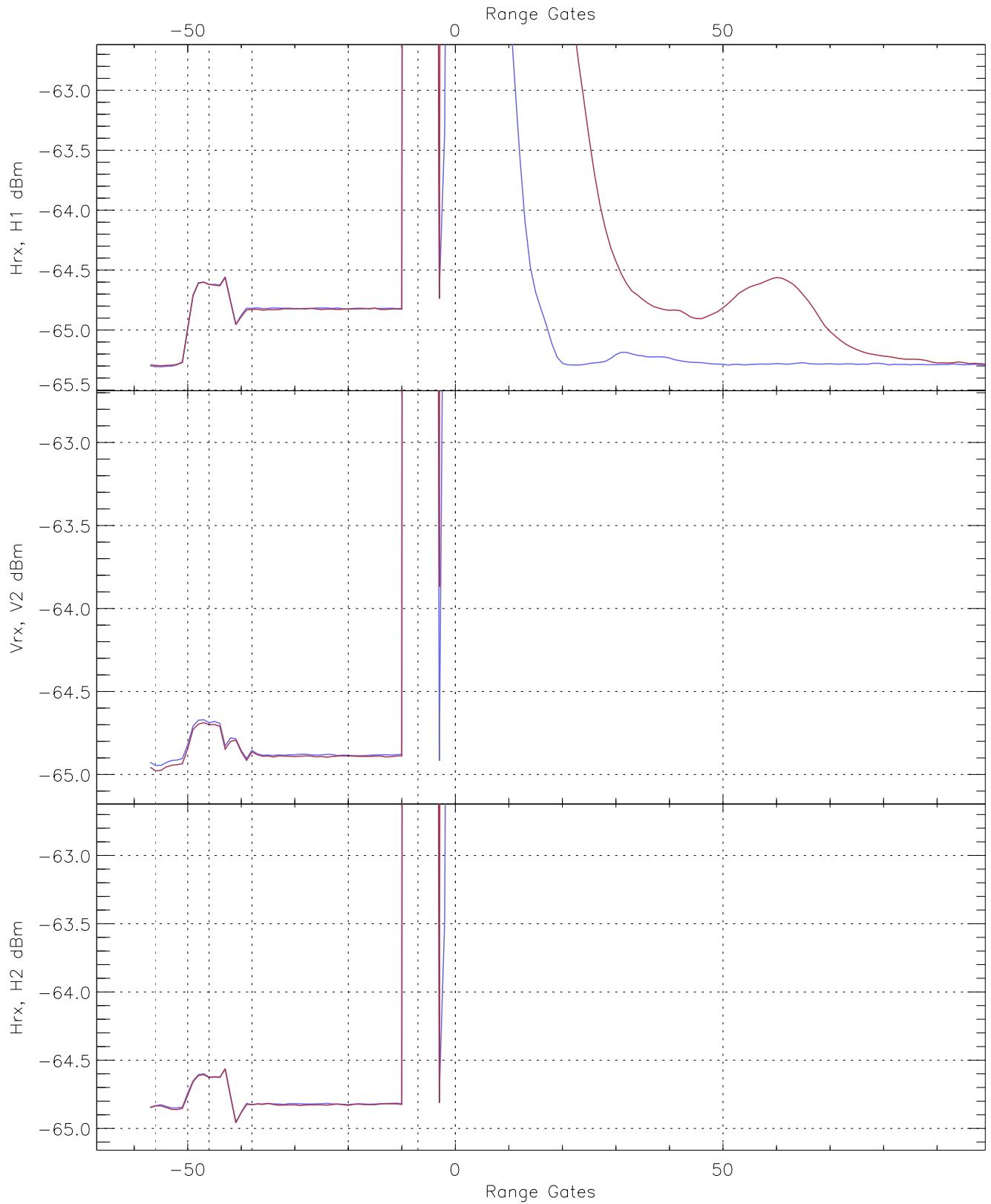
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG156_0 [dBm] | -66.54 | -64.09 | -65.30 | -65.31 | -76.79 |
| V2RG399_0 [dBm] | -66.30 | -63.85 | -64.96 | -64.97 | -76.44 |
| H2RG266_0 [dBm] | -66.18 | -63.77 | -64.86 | -64.87 | -76.36 |

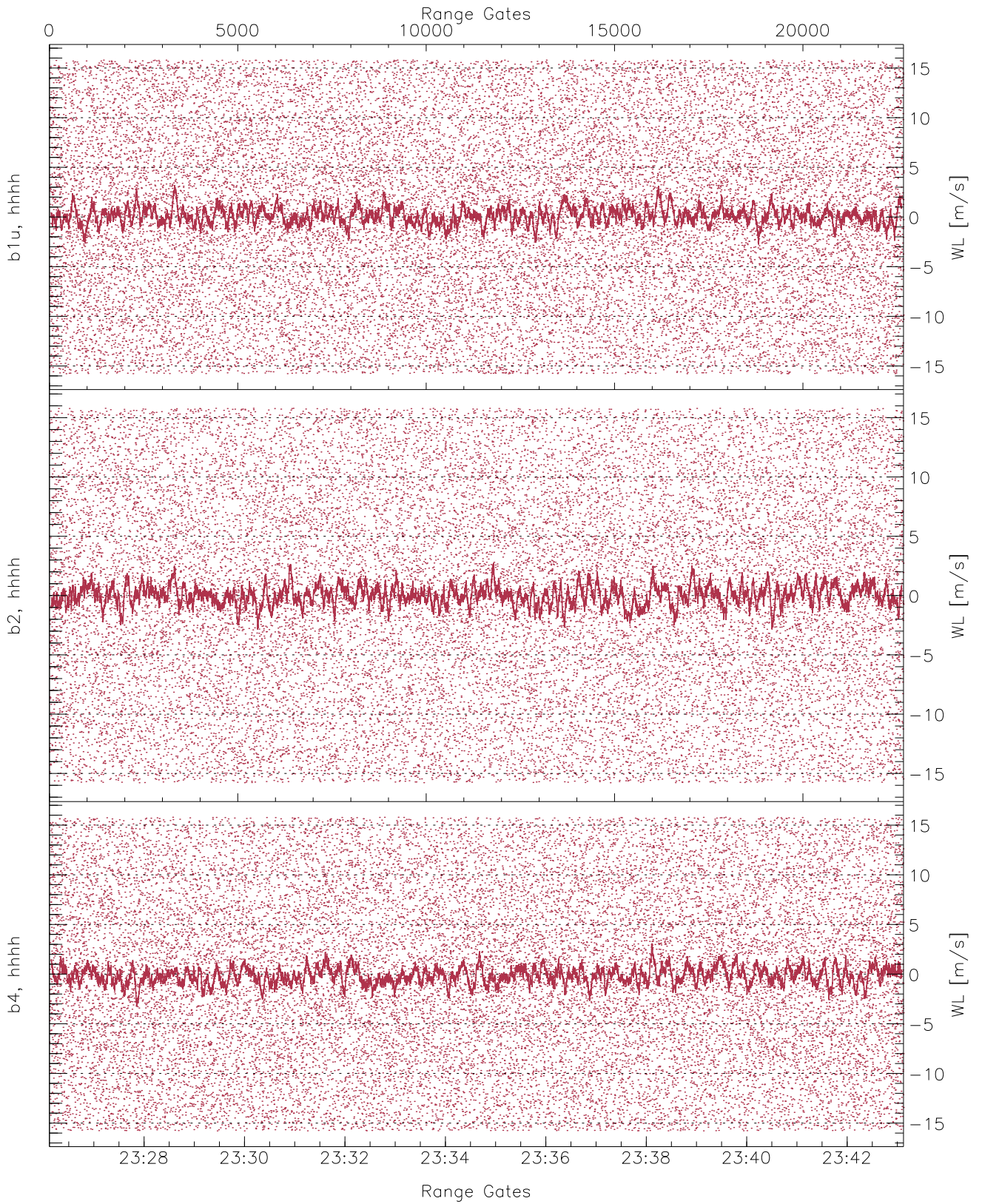




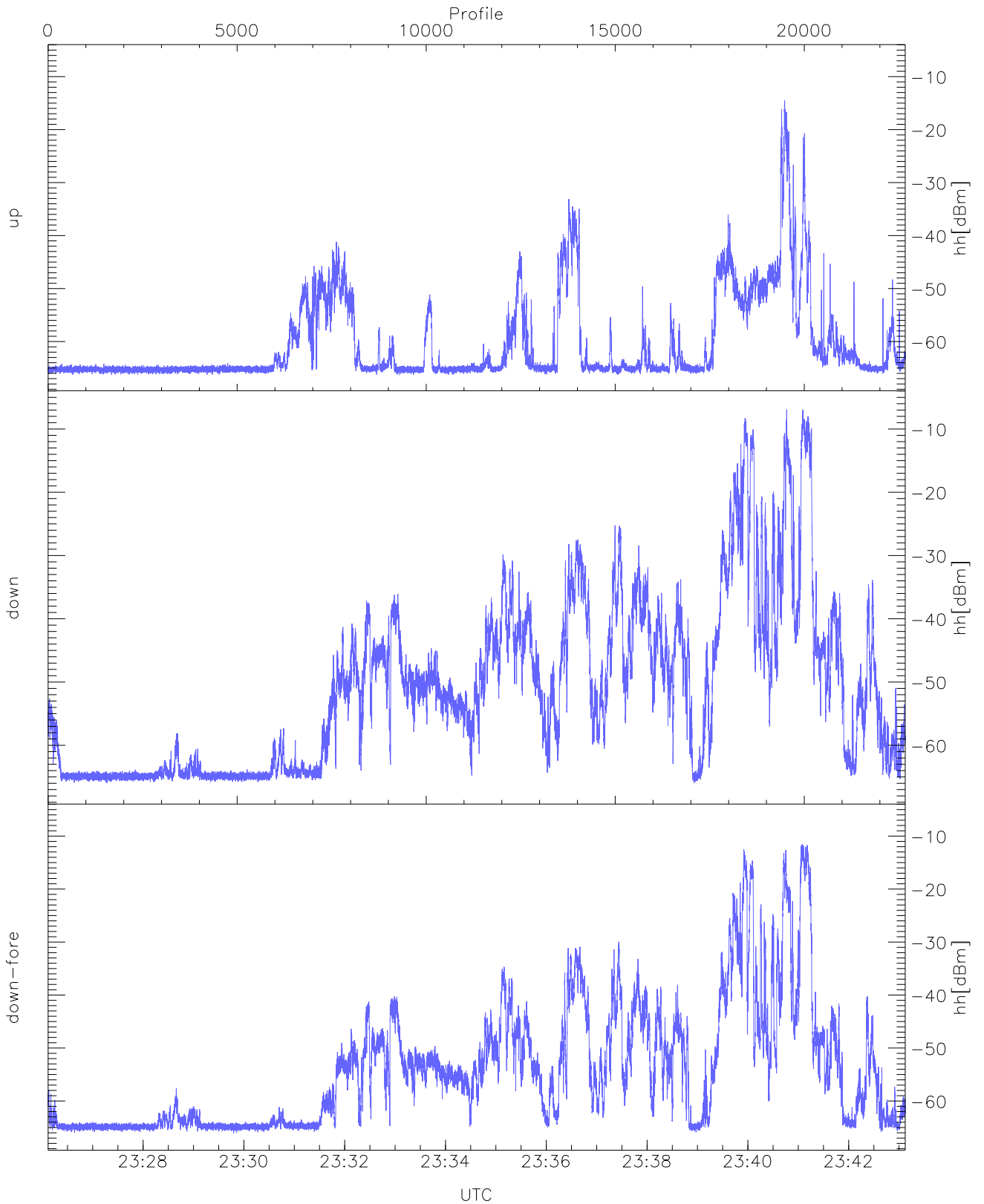
WCR3 CPP Averaged Received power for all recorded gates  
blue: 232607-233437, 11337 profiles averaged  
red: 233437-234307, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 232607-233437, 11337 profiles averaged  
red: 233437-234307, 11336 profiles averaged

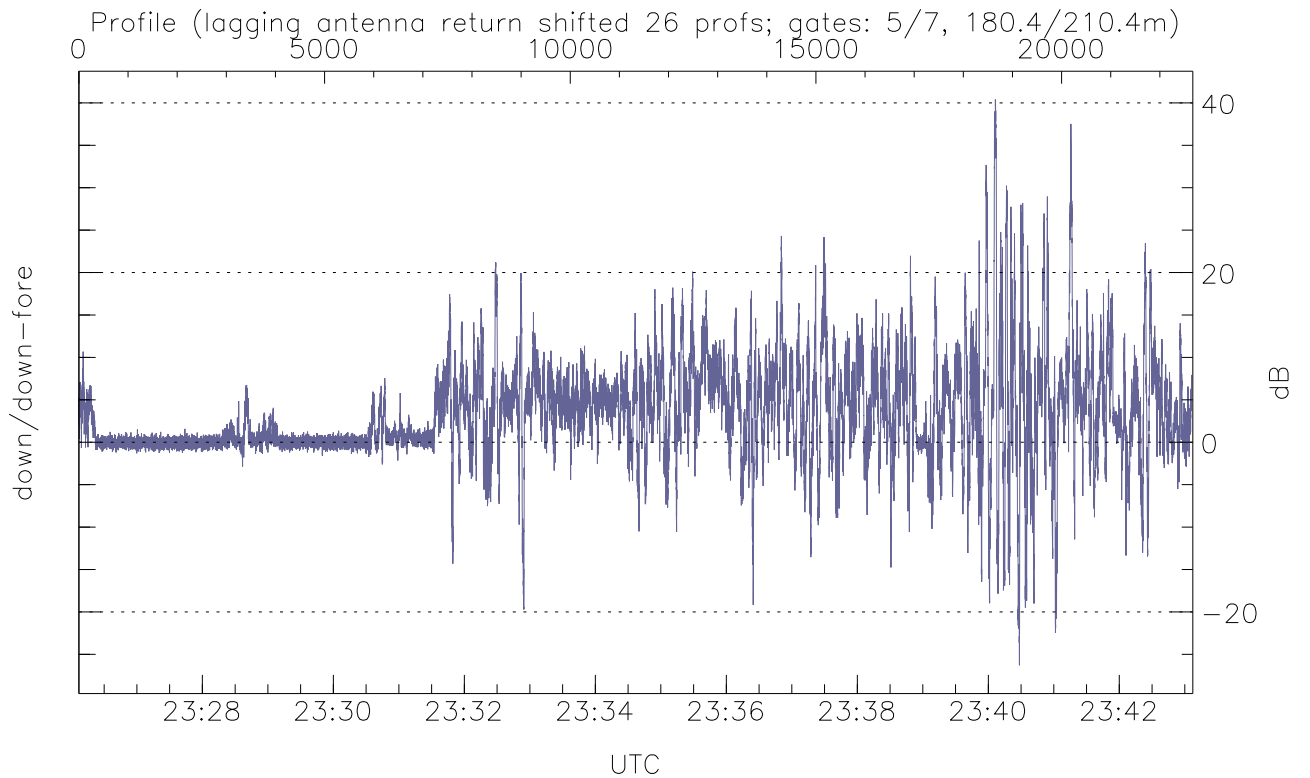
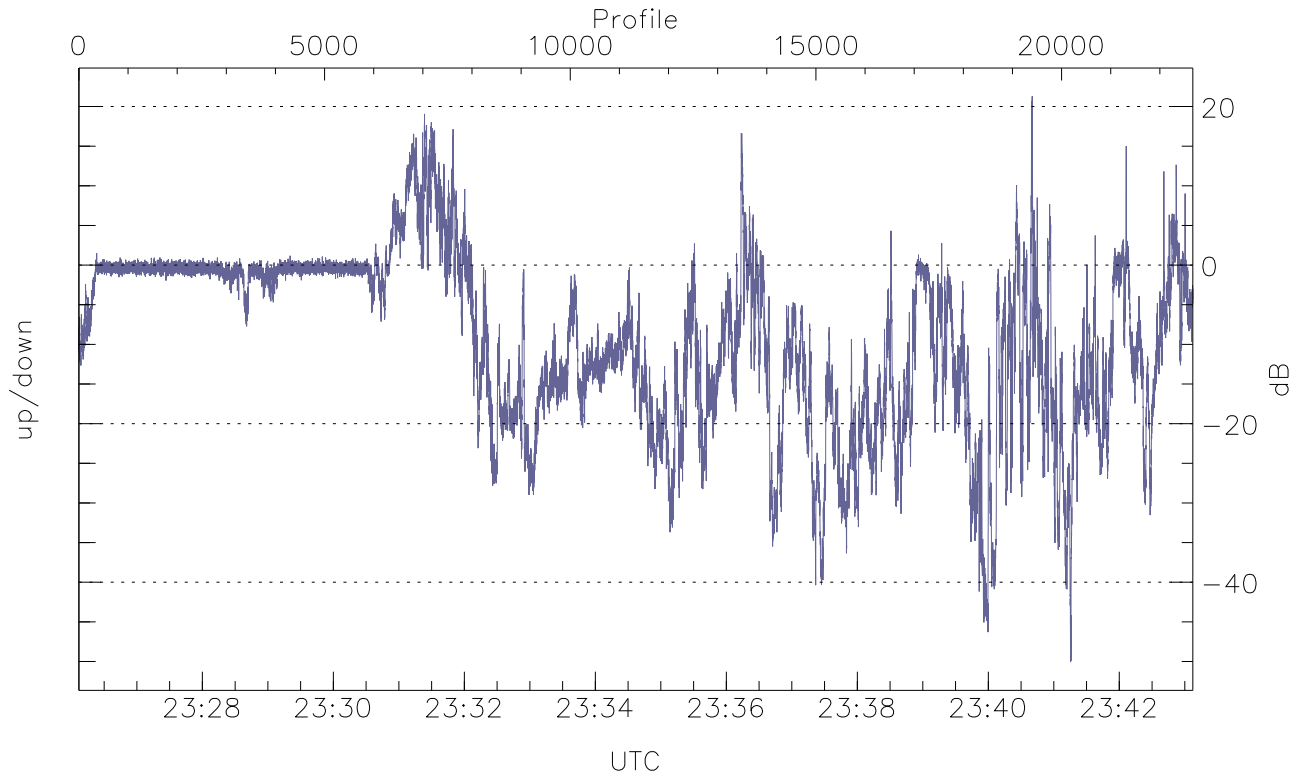


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



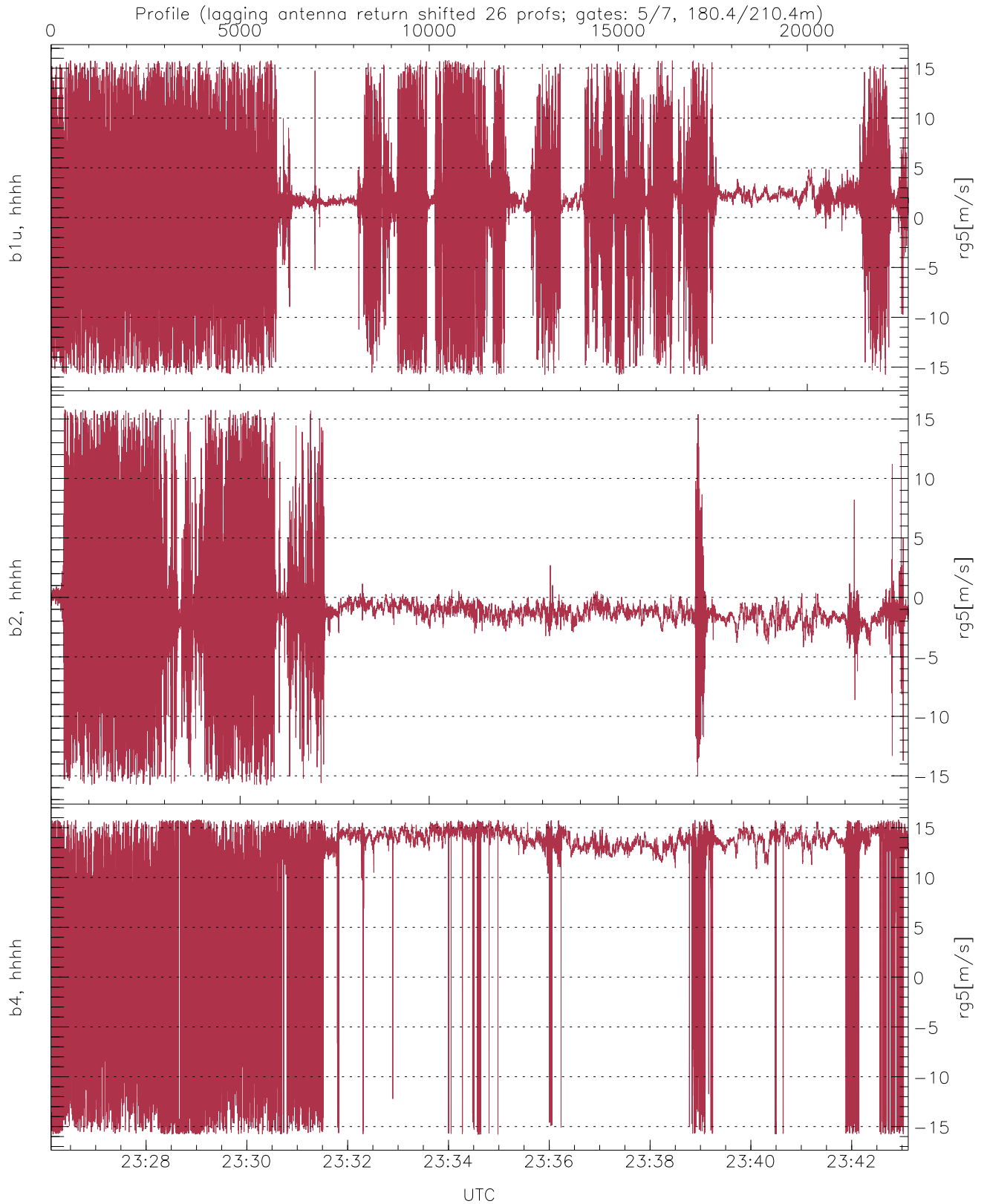
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -66.31 | -14.43 | -40.73 |
| down(hh[dBm])      | -65.97 | -6.92  | -26.47 |
| down-fore(hh[dBm]) | -66.11 | -11.53 | -30.85 |



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

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -50.07 | 21.29 | -9.37 |
| down/down-fore (dB) | -26.29 | 40.40 | 3.37  |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.77 | 15.79 | 0.92  | 5.85  |
| b2, hhhh(rg5[m/s])  | -15.78 | 15.79 | -1.03 | 3.93  |
| b4, hhhh(rg5[m/s])  | -15.79 | 15.79 | 8.89  | 9.20  |