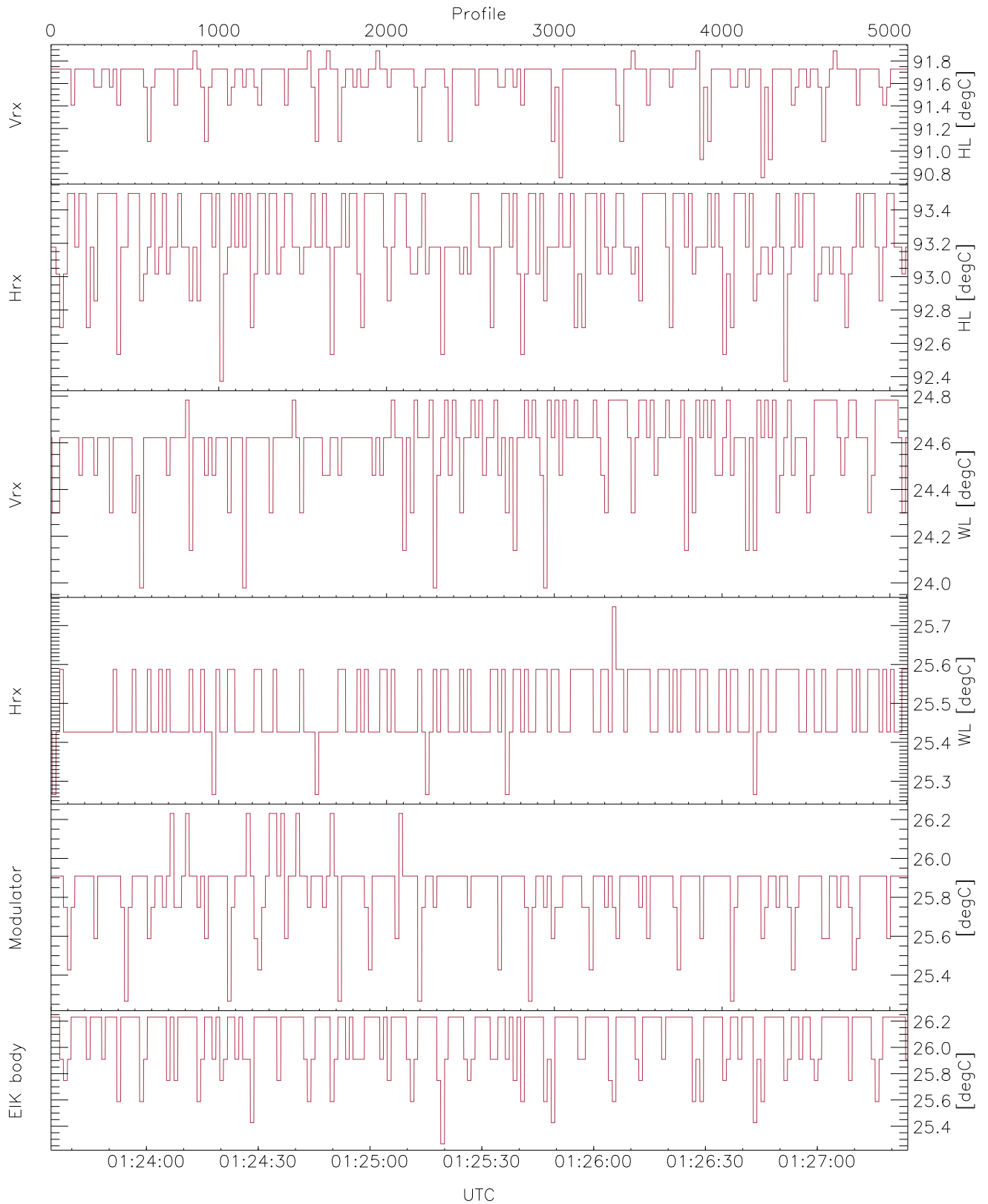


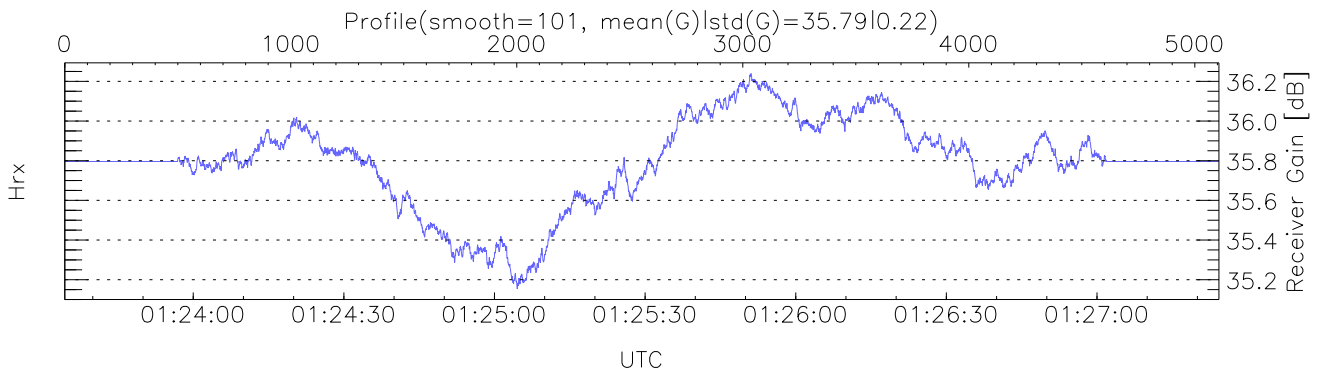
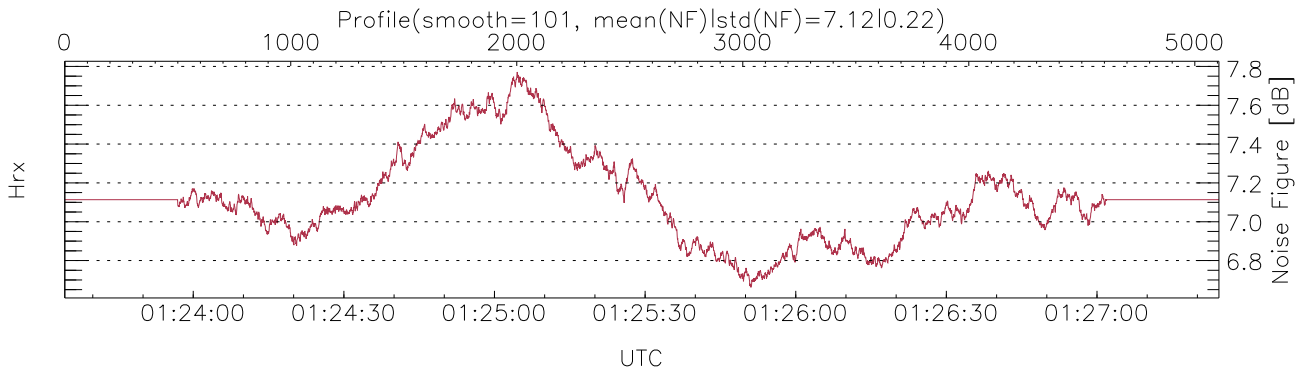
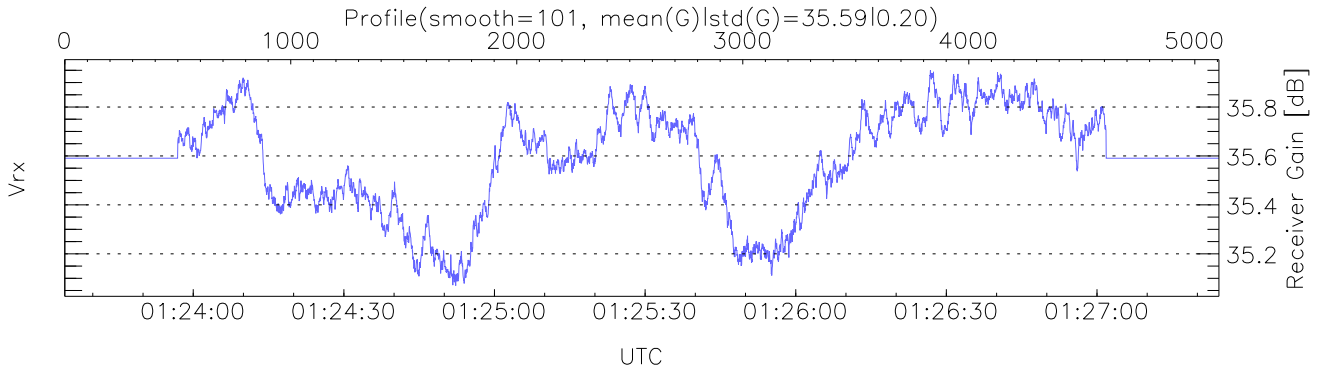
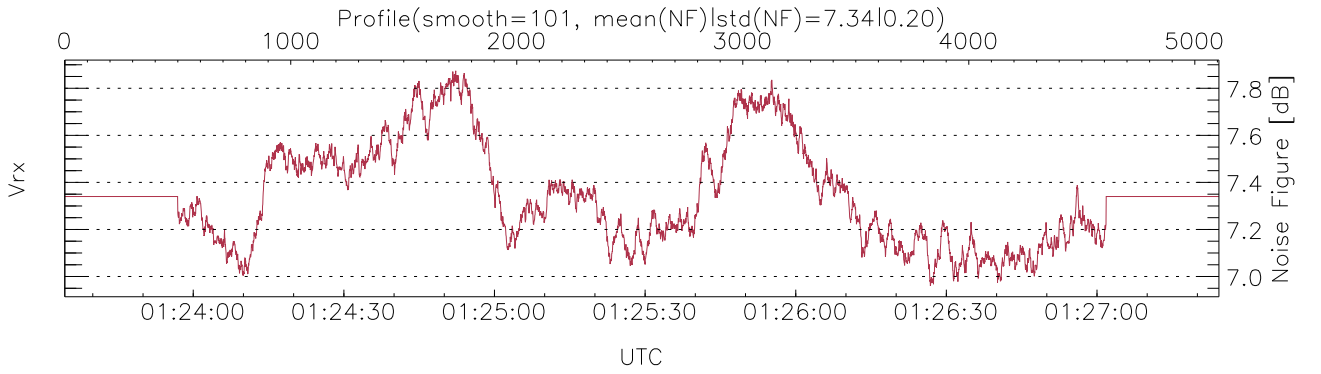
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 01:23:34-01:27:24, TimeCor: 0.00s, Dur: 229.87s  
 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): 5108/5108, 0-5107/01:23:34-01:27:24  
 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



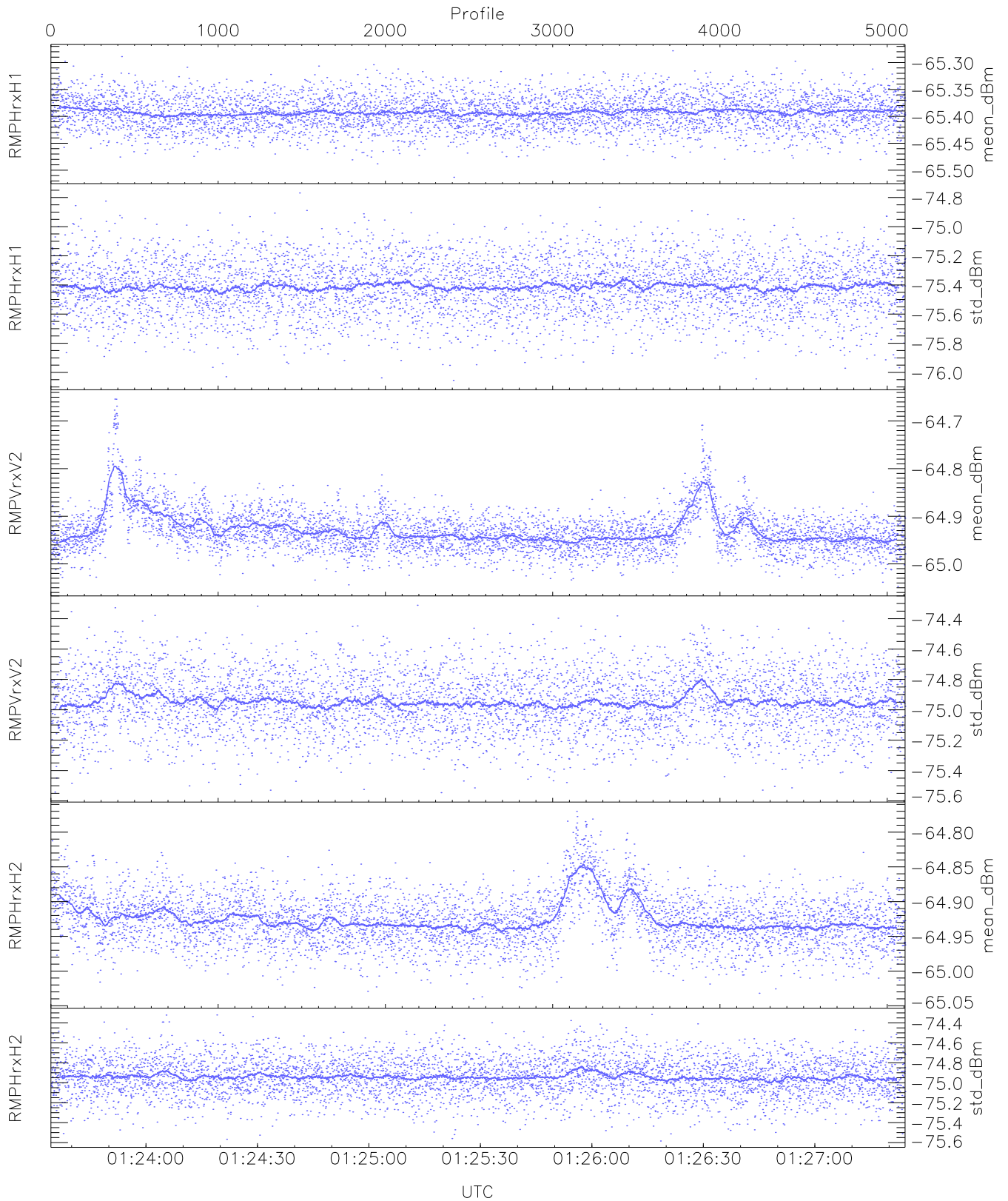
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,23,25,25,25  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,24,25,26,26  
LOalarm(20,240,2817,14861 MHz): None  
EIK/Modulator Faults: None



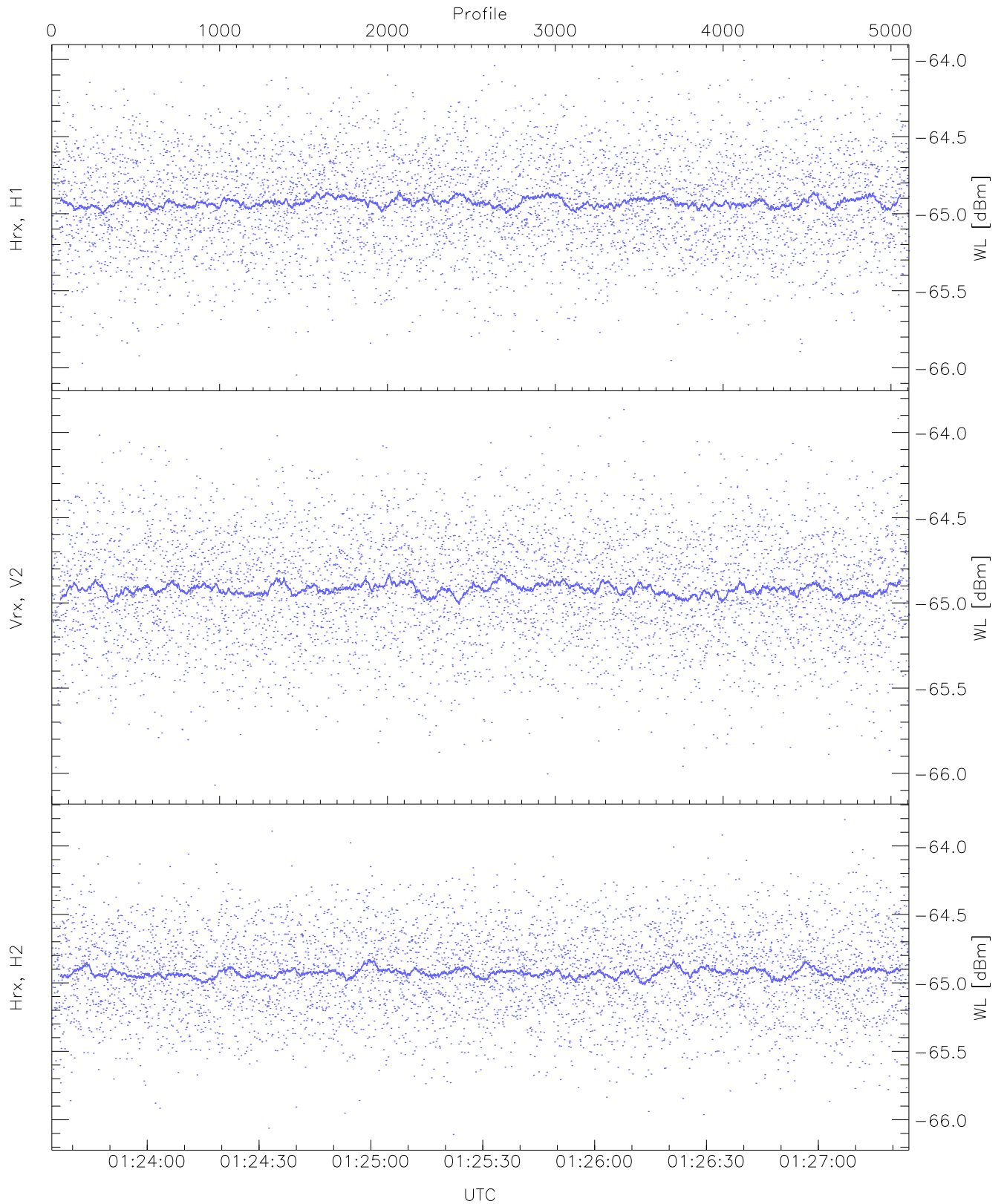
### WCR3 CPP Receivers Gain and Noise Figure

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



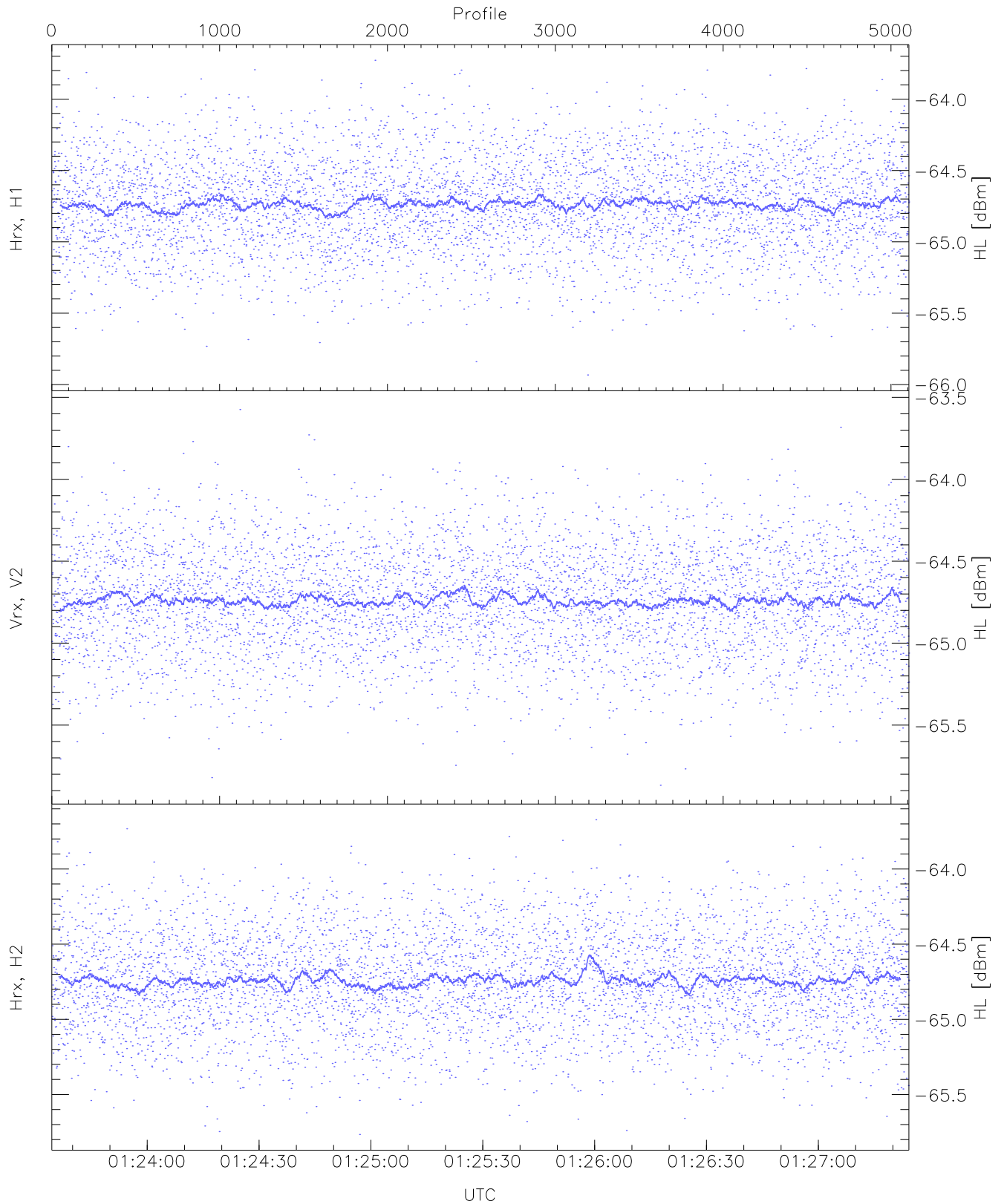
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.51 | -65.28 | -65.39 | -65.39 | -87.04 |
| RMPHrxH1(std_dBm)  | -76.05 | -74.77 | -75.41 | -75.41 | -89.23 |
| RMPVrxV2(mean_dBm) | -65.05 | -64.65 | -64.93 | -64.94 | -84.77 |
| RMPVrxV2(std_dBm)  | -75.55 | -74.31 | -74.94 | -74.95 | -88.64 |
| RMPHrxH2(mean_dBm) | -65.04 | -64.77 | -64.93 | -64.93 | -85.76 |
| RMPHrxH2(std_dBm)  | -75.58 | -74.32 | -74.94 | -74.94 | -88.77 |



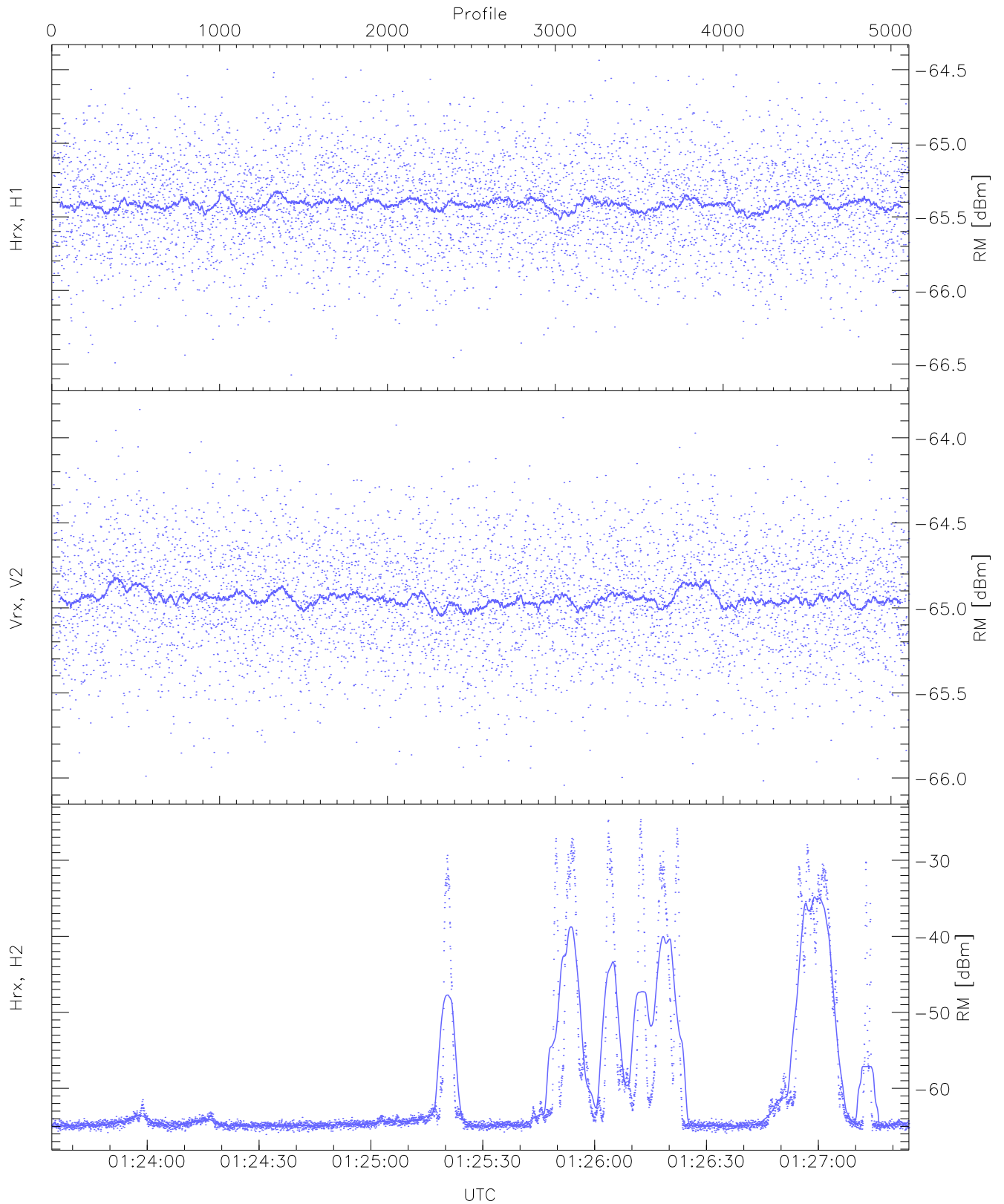
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.05 | -64.01 | -64.92 | -64.92 | -76.50 |
| Vrx, V2 (WL [dBm]) | -66.07 | -63.87 | -64.91 | -64.92 | -76.35 |
| Hrx, H2 (WL [dBm]) | -66.11 | -63.81 | -64.92 | -64.92 | -76.46 |



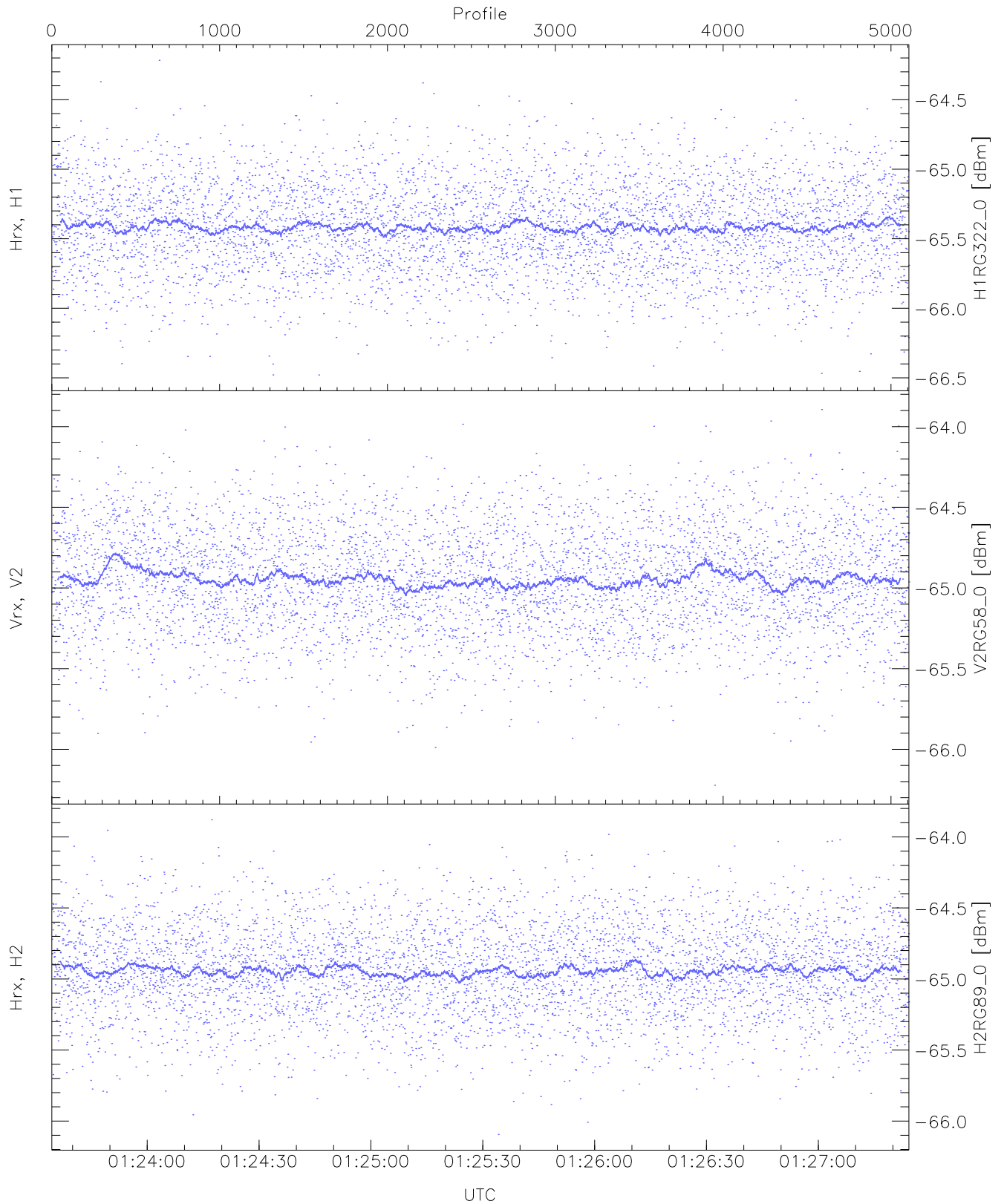
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.93 | -63.73 | -64.73 | -64.74 | -76.21 |
| Vrx, V2 (HL [dBm]) | -65.87 | -63.57 | -64.73 | -64.73 | -76.27 |
| Hrx, H2 (HL [dBm]) | -65.77 | -63.67 | -64.73 | -64.75 | -76.20 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

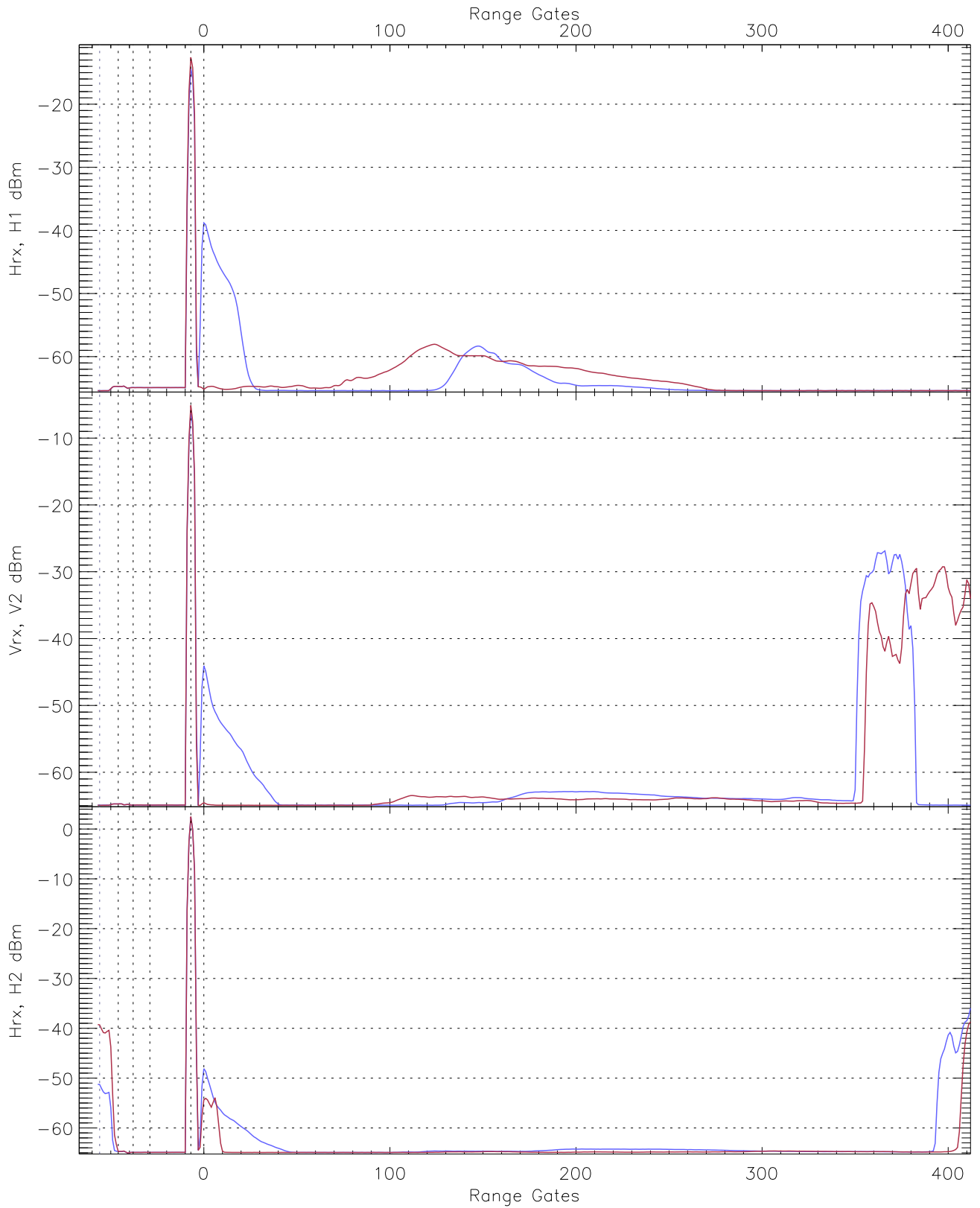
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.57 | -64.44 | -65.41 | -65.41 | -76.92 |
| Vrx, V2 (RM [dBm]) | -66.04 | -63.83 | -64.94 | -64.94 | -76.43 |
| Hrx, H2 (RM [dBm]) | -66.07 | -24.67 | -42.07 | -64.49 | -35.96 |



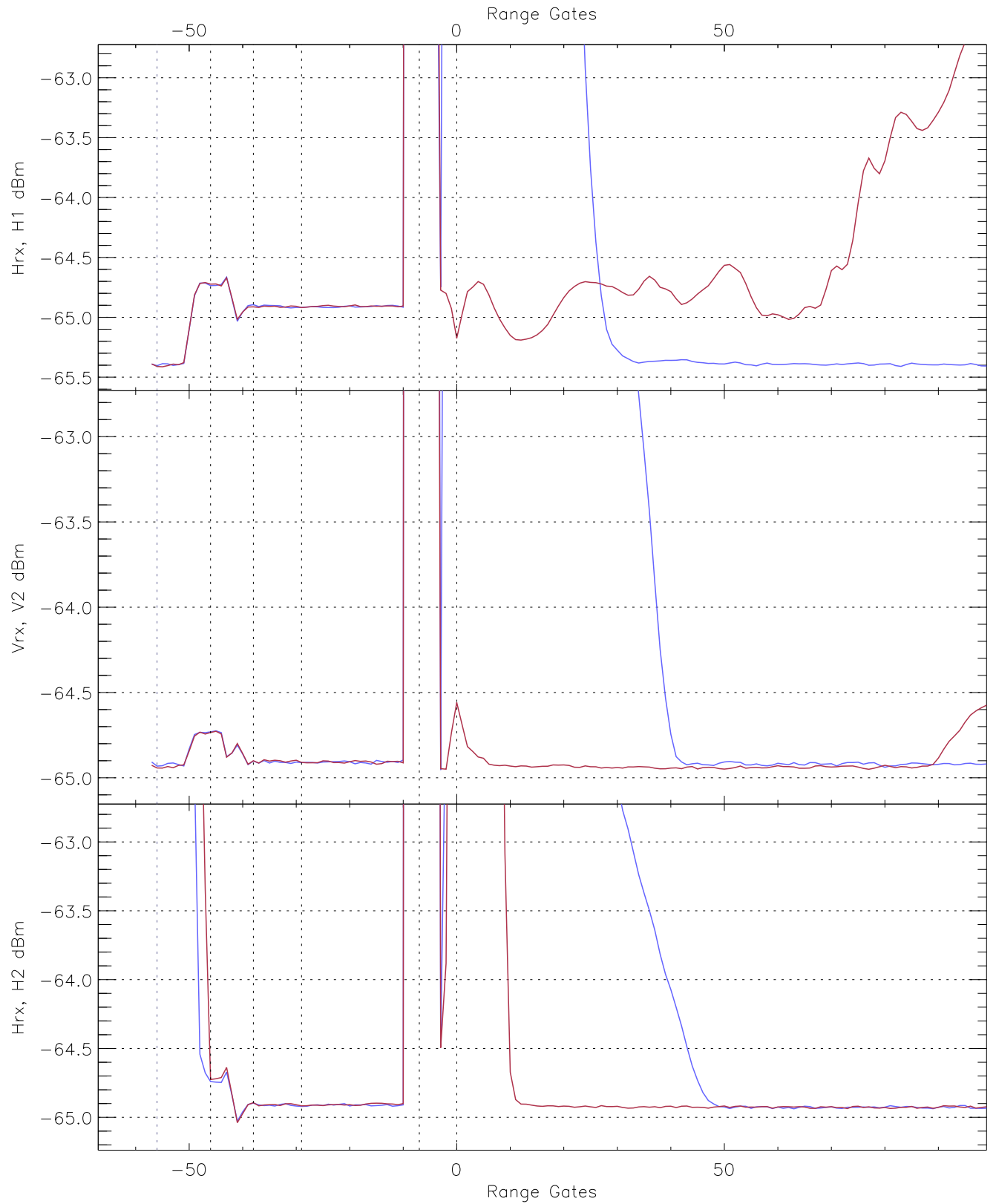
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG322_0 [dBm] | -66.48 | -64.22 | -65.41 | -65.41 | -76.86 |
| V2RG58_0 [dBm]  | -66.22 | -63.89 | -64.94 | -64.95 | -76.46 |
| H2RG89_0 [dBm]  | -66.09 | -63.88 | -64.94 | -64.94 | -76.50 |

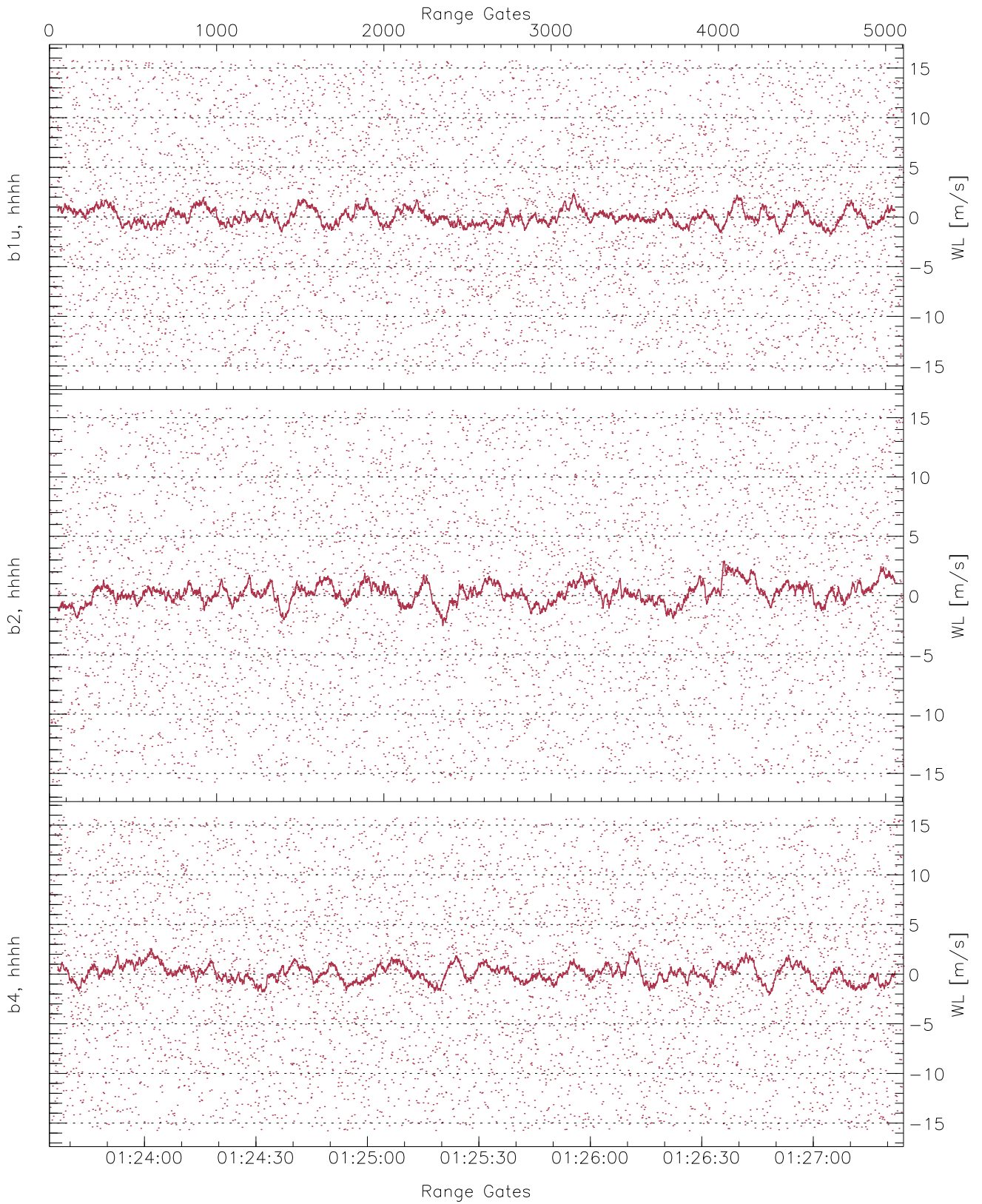




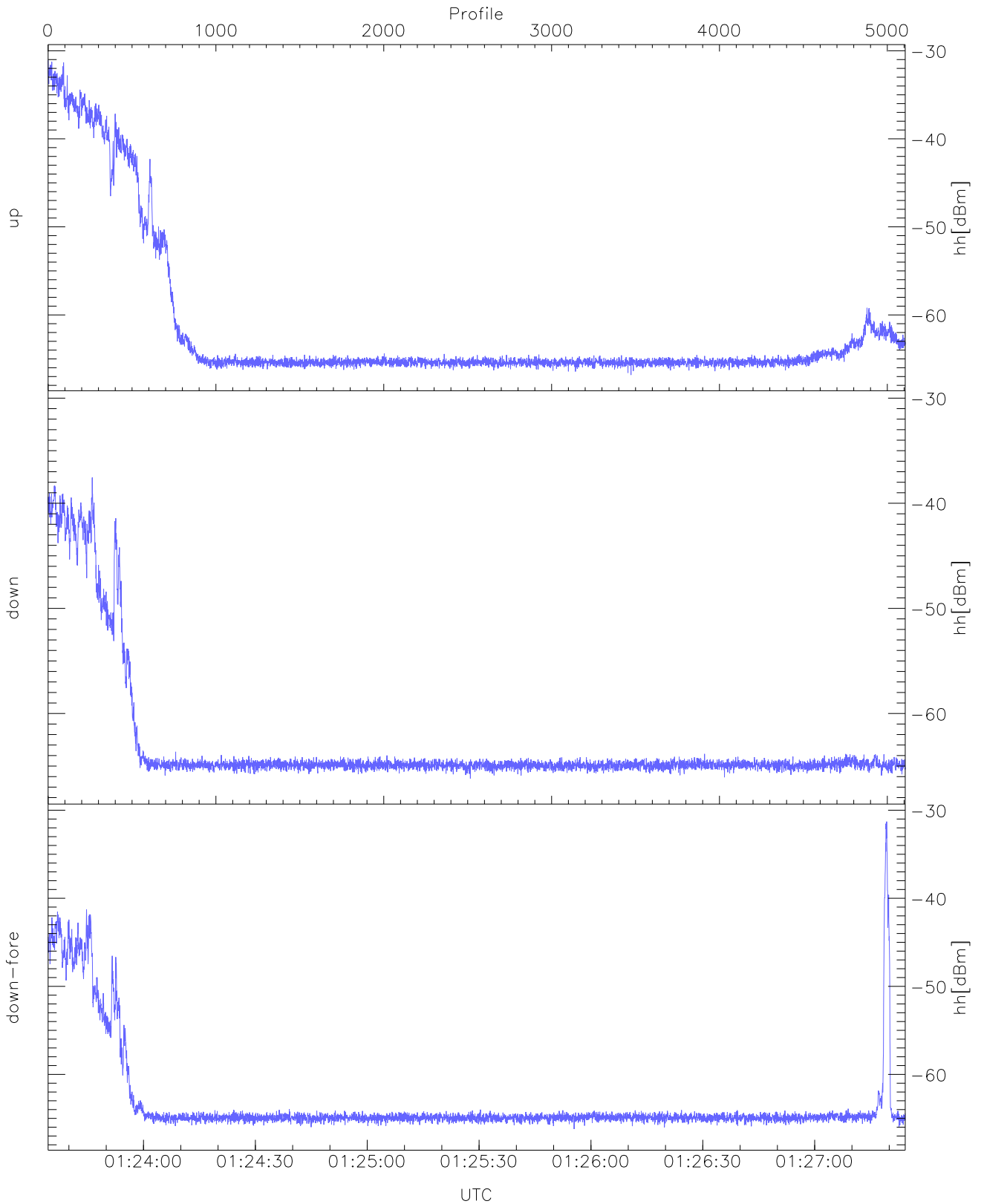
WCR3 CPP Averaged Received power for all recorded gates  
blue: 012334-012529, 2555 profiles averaged  
red: 012529-012724, 2554 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 012334-012529, 2555 profiles averaged  
red: 012529-012724, 2554 profiles averaged

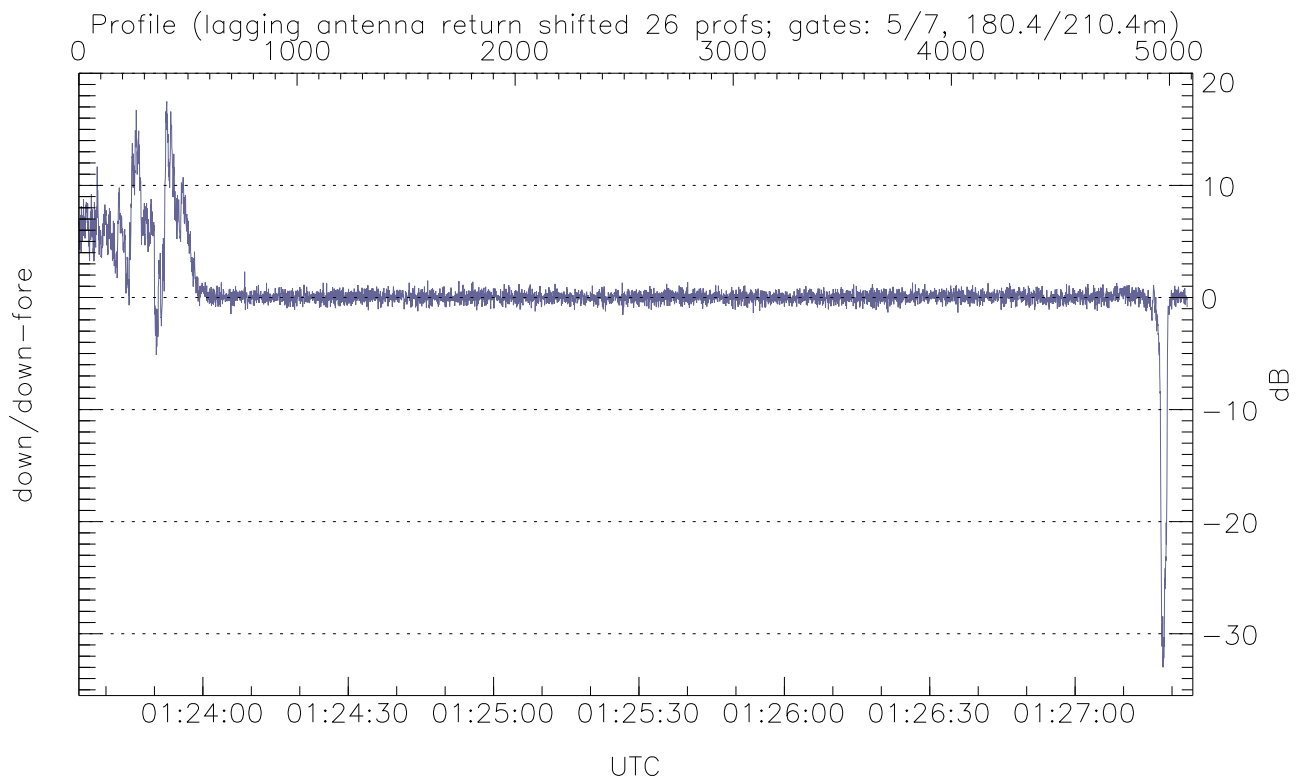
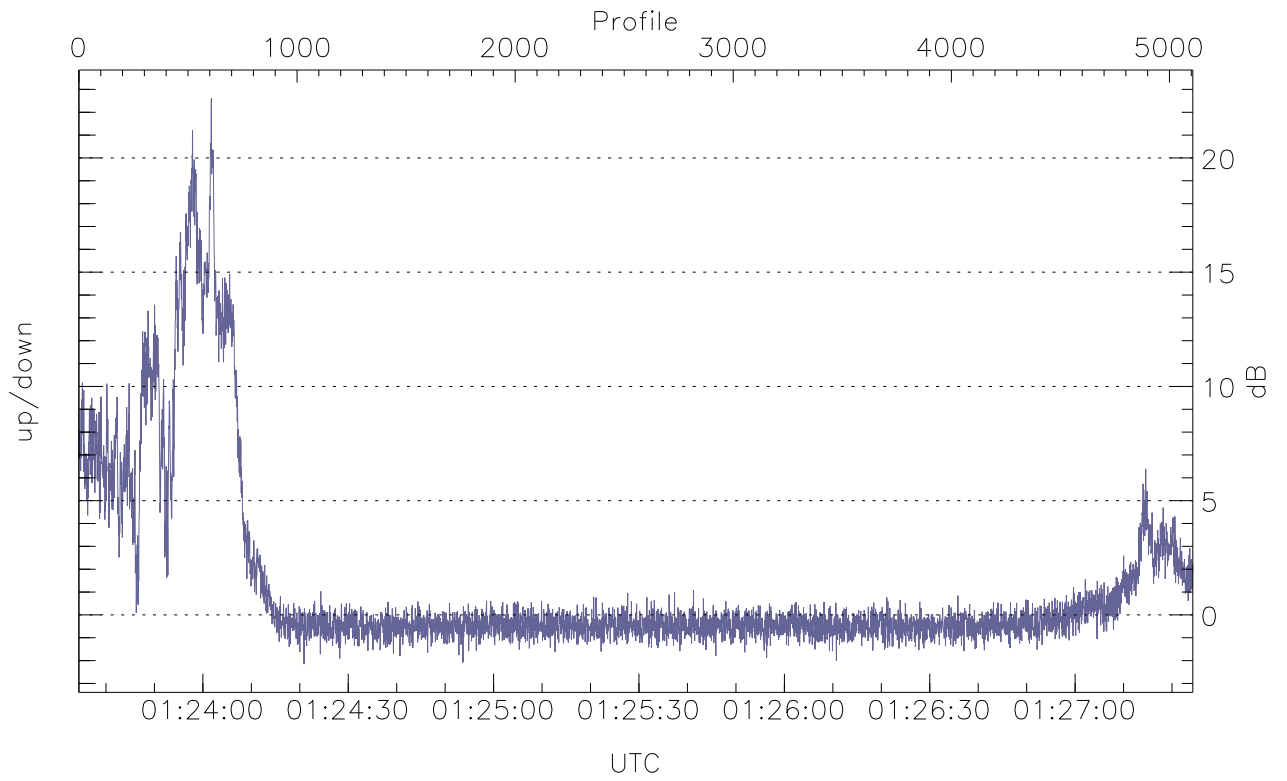


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



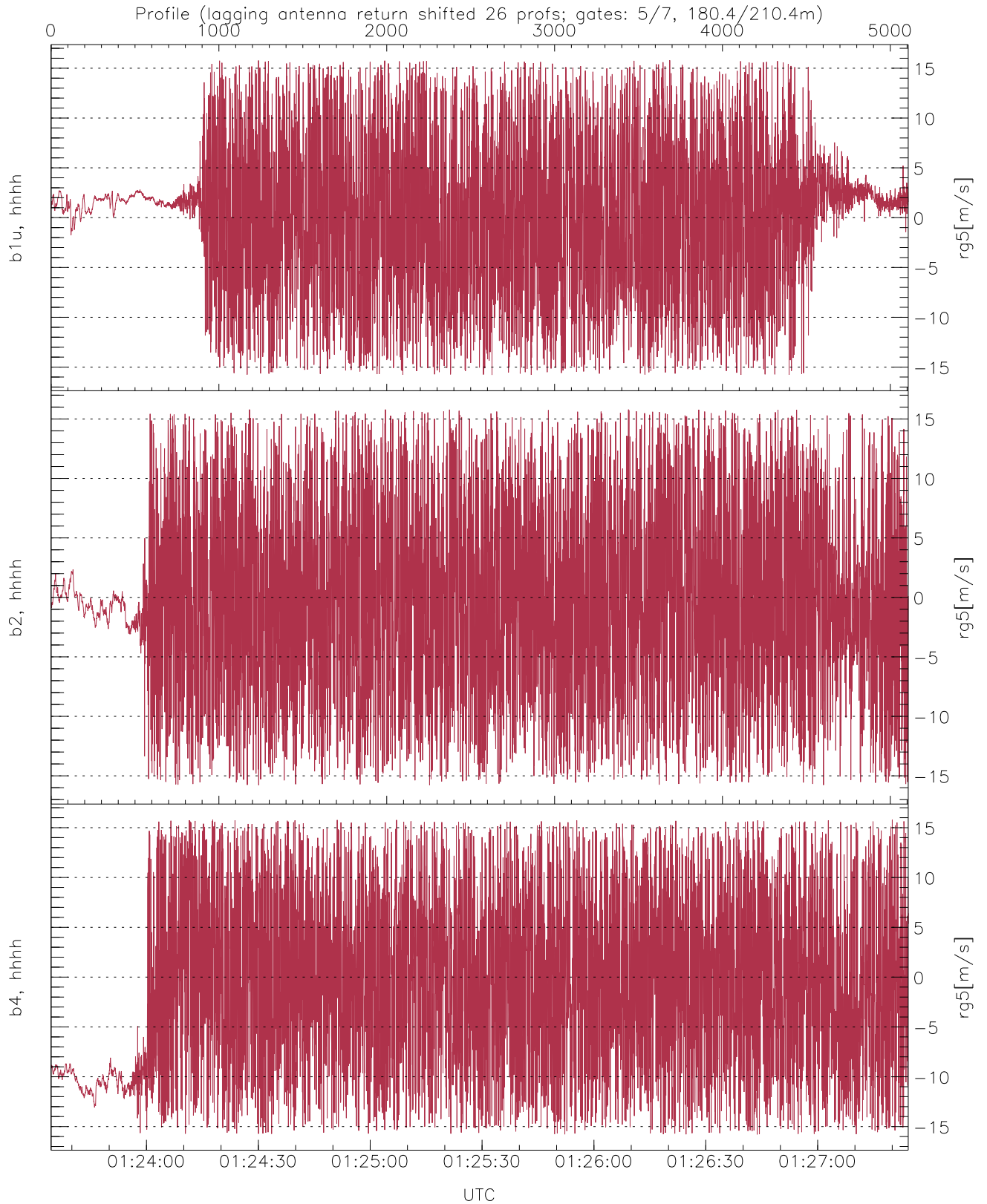
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -66.82 | -31.08 | -46.35 |
| down(hh[dBm])      | -66.19 | -37.55 | -53.12 |
| down-fore(hh[dBm]) | -66.21 | -31.29 | -54.31 |



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

|                     | Min    | Max   | Mean |
|---------------------|--------|-------|------|
| up/down (dB)        | -2.15  | 22.61 | 1.38 |
| down/down-fore (dB) | -32.99 | 17.48 | 0.54 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.79 | 15.79 | 0.48  | 7.36  |
| b2, hhhh(rg5[m/s])  | -15.79 | 15.79 | -0.29 | 8.02  |
| b4, hhhh(rg5[m/s])  | -15.79 | 15.79 | -1.45 | 8.91  |