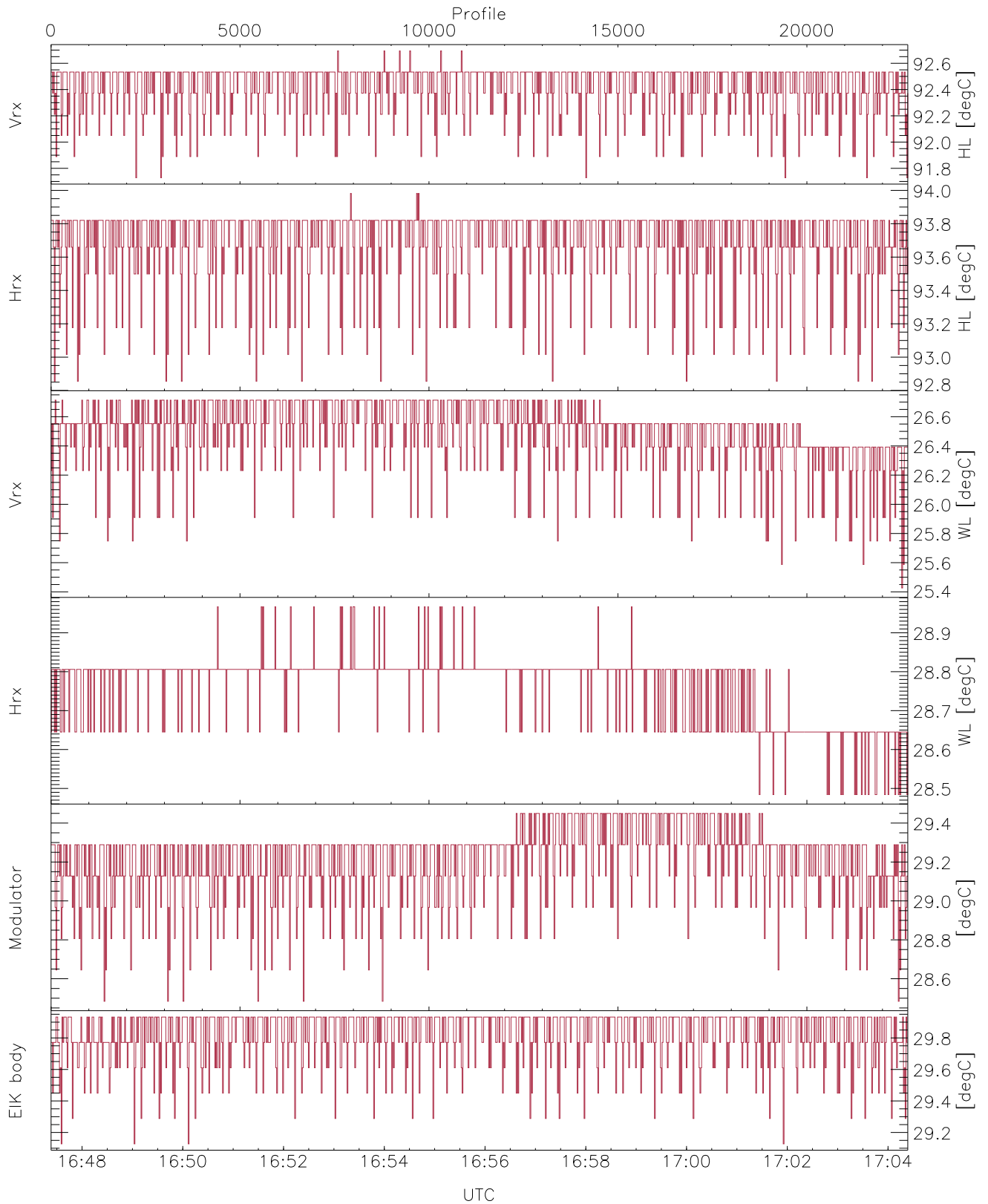


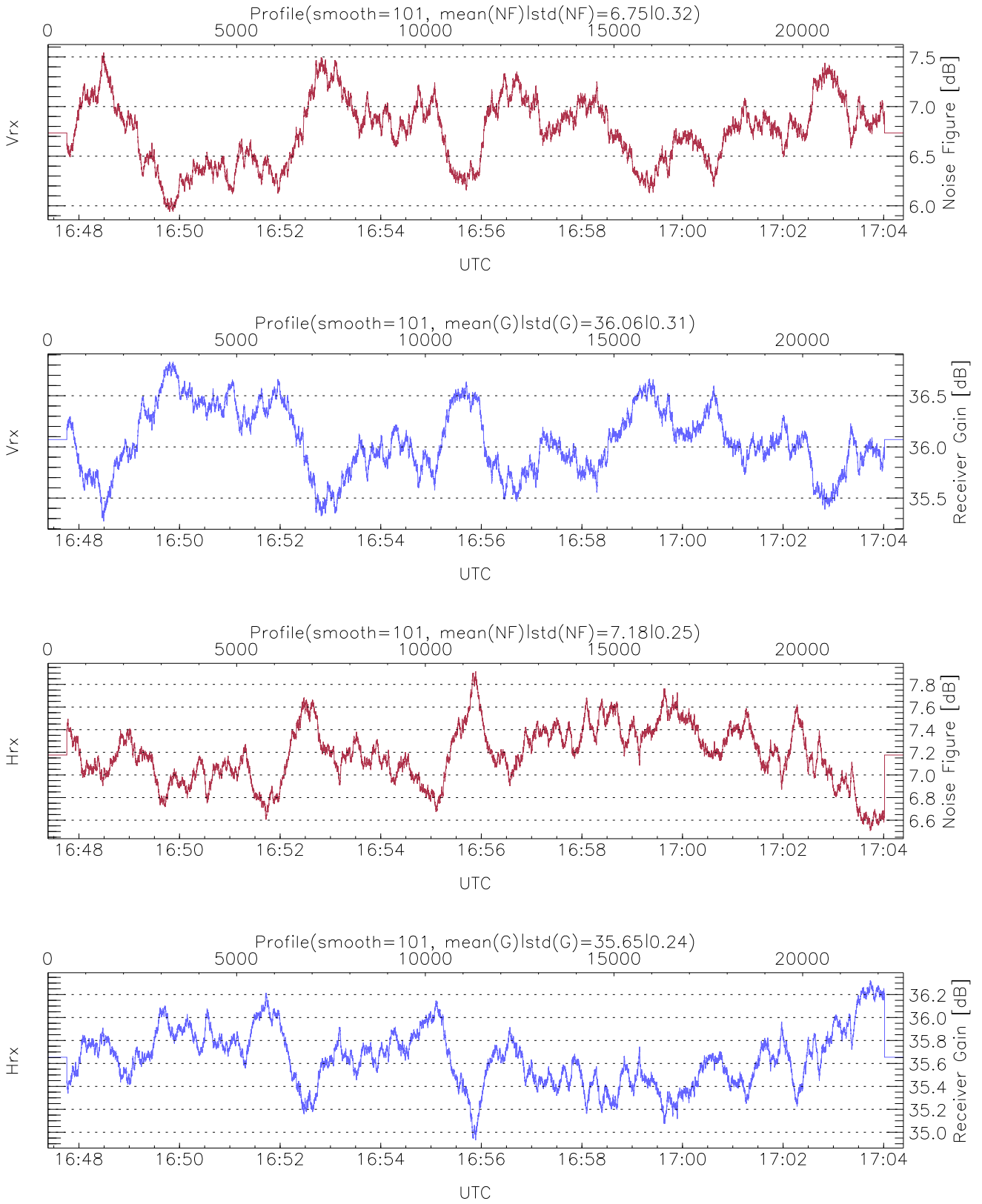
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 16:47:23-17:04:24, 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, 0-22671/16:47:23-17:04:24  
 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



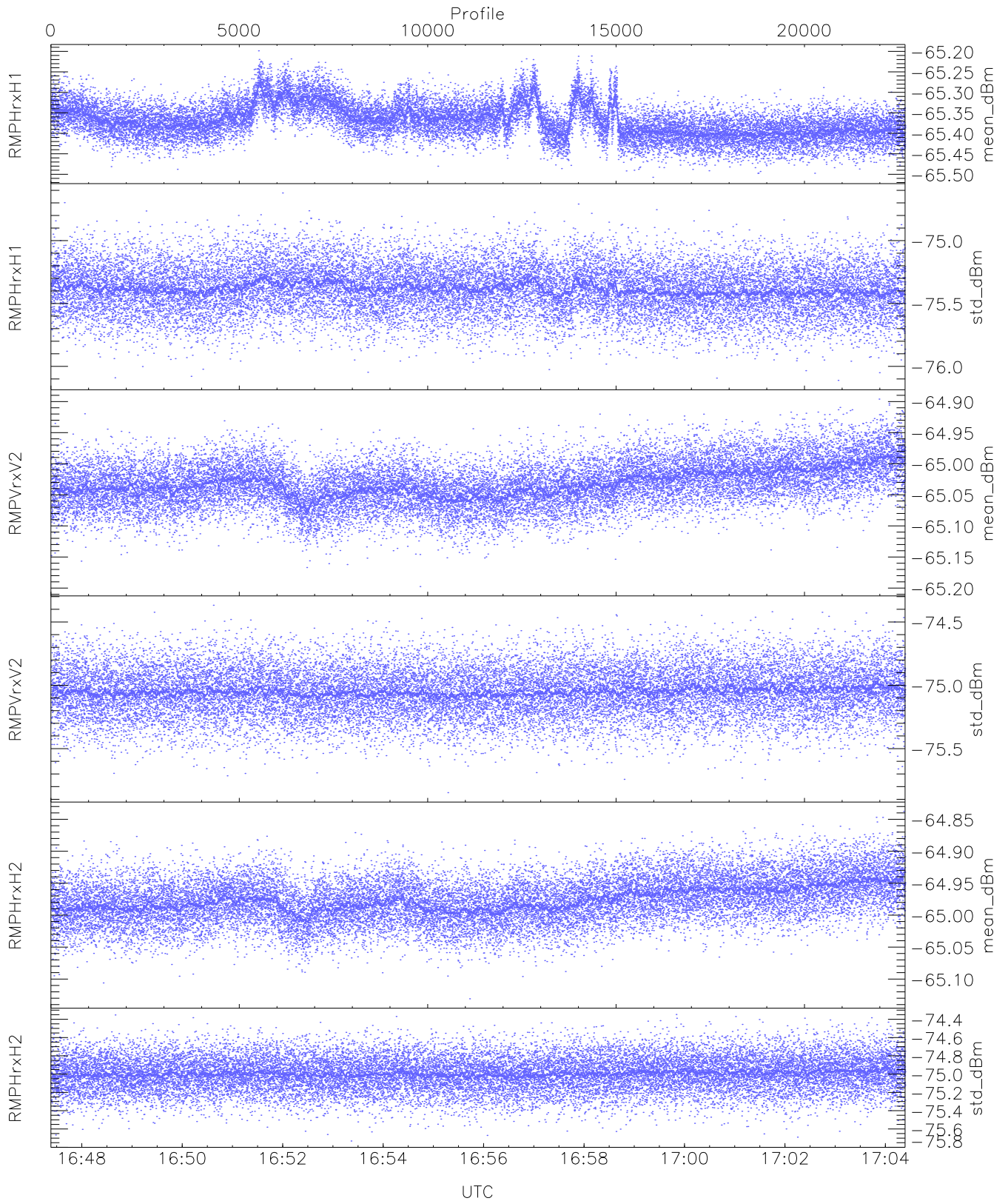
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,25,28,28,29`  
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,26,28,29,29`  
`LOalarm(20,240,2817,14861 MHz): 0,0,88,0`  
`EIK/Modulator Faults: None`



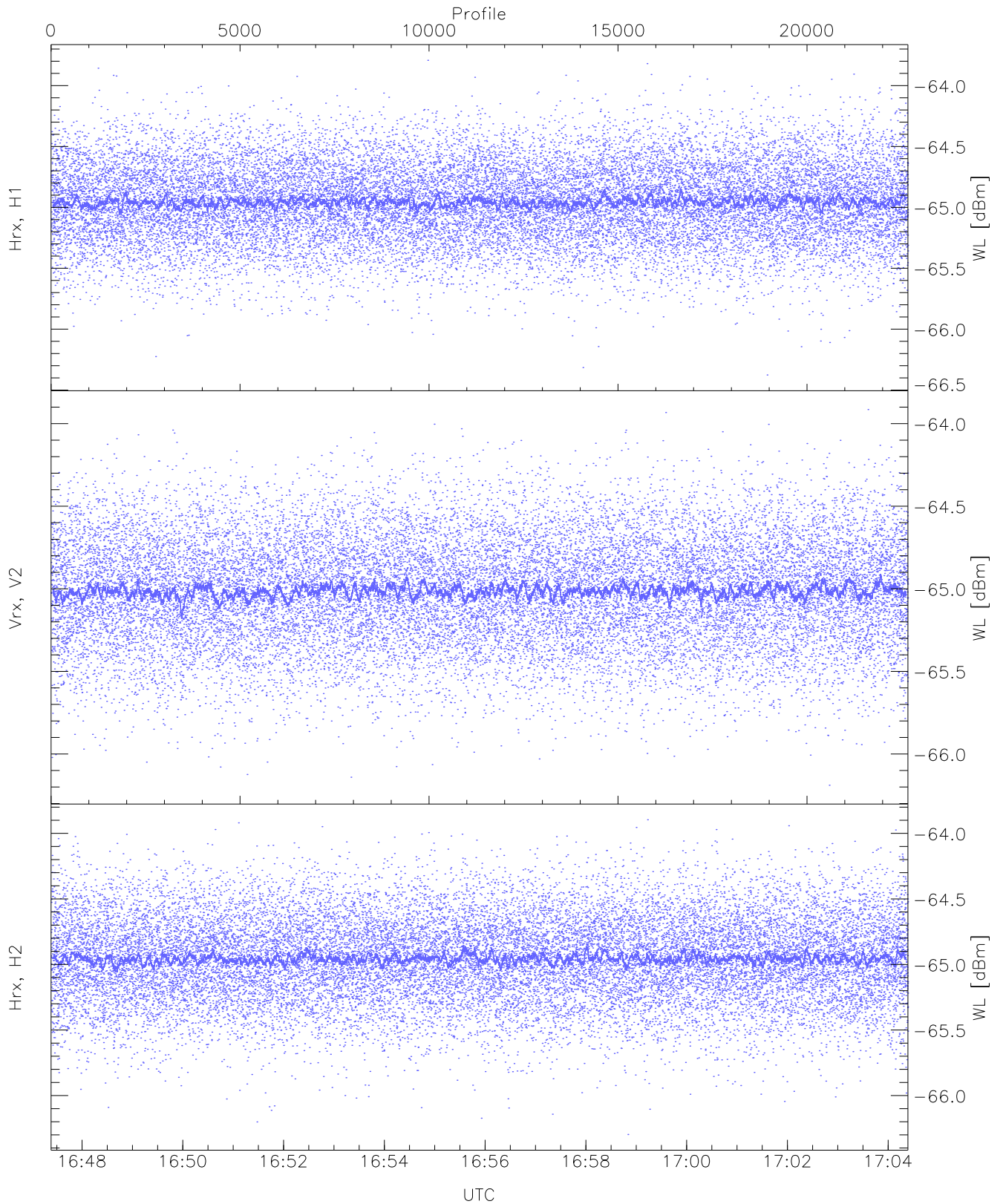
WCR3 CPP Receivers Gain and Noise Figure

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



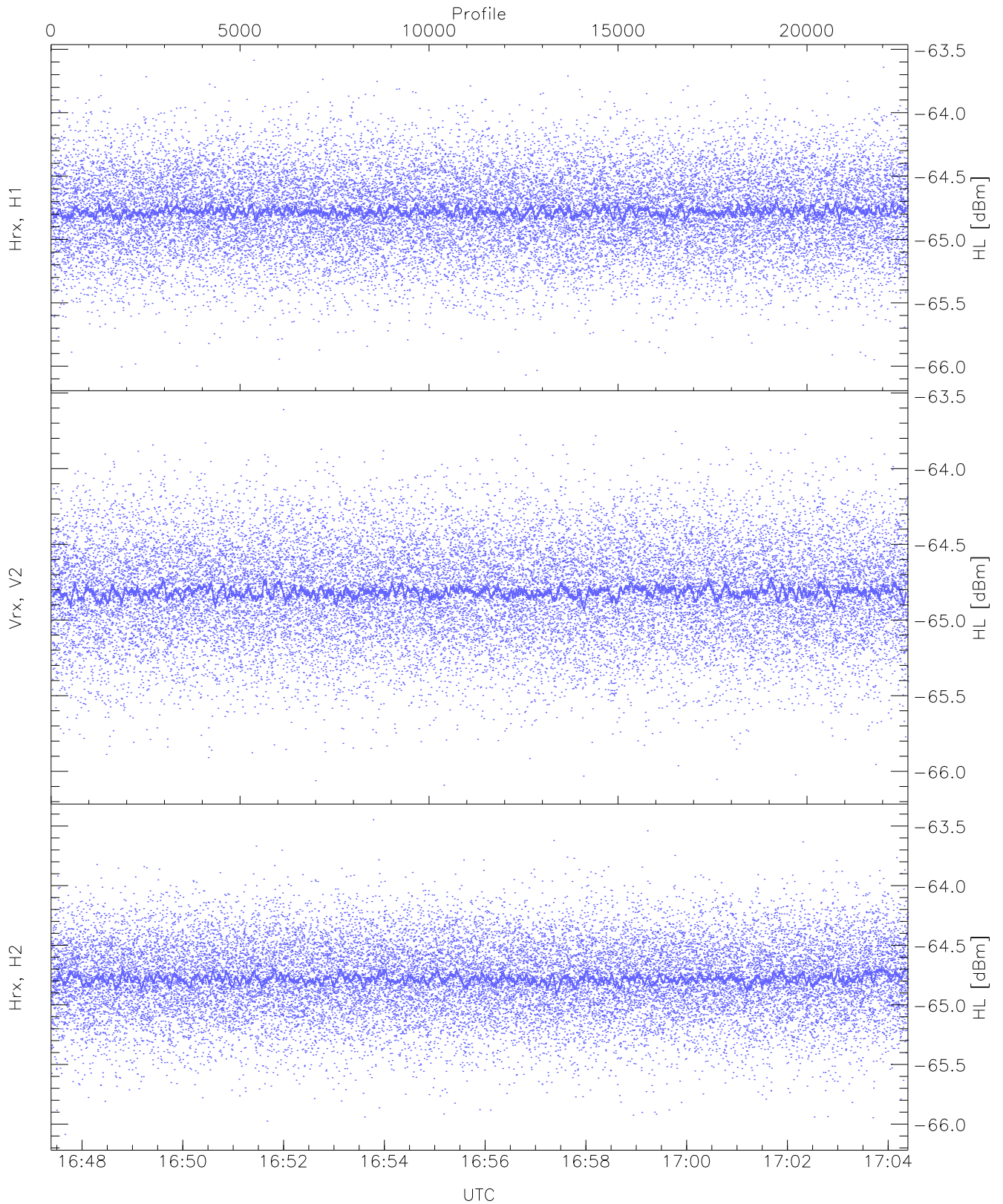
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.51 | -65.20 | -65.37 | -65.37 | -85.42 |
| RMPHrxH1(std_dBm)  | -76.11 | -74.62 | -75.38 | -75.38 | -89.14 |
| RMPVrxV2(mean_dBm) | -65.20 | -64.90 | -65.03 | -65.03 | -85.96 |
| RMPVrxV2(std_dBm)  | -75.85 | -74.37 | -75.05 | -75.05 | -88.82 |
| RMPHrxH2(mean_dBm) | -65.13 | -64.84 | -64.98 | -64.98 | -86.06 |
| RMPHrxH2(std_dBm)  | -75.73 | -74.35 | -74.99 | -75.00 | -88.80 |



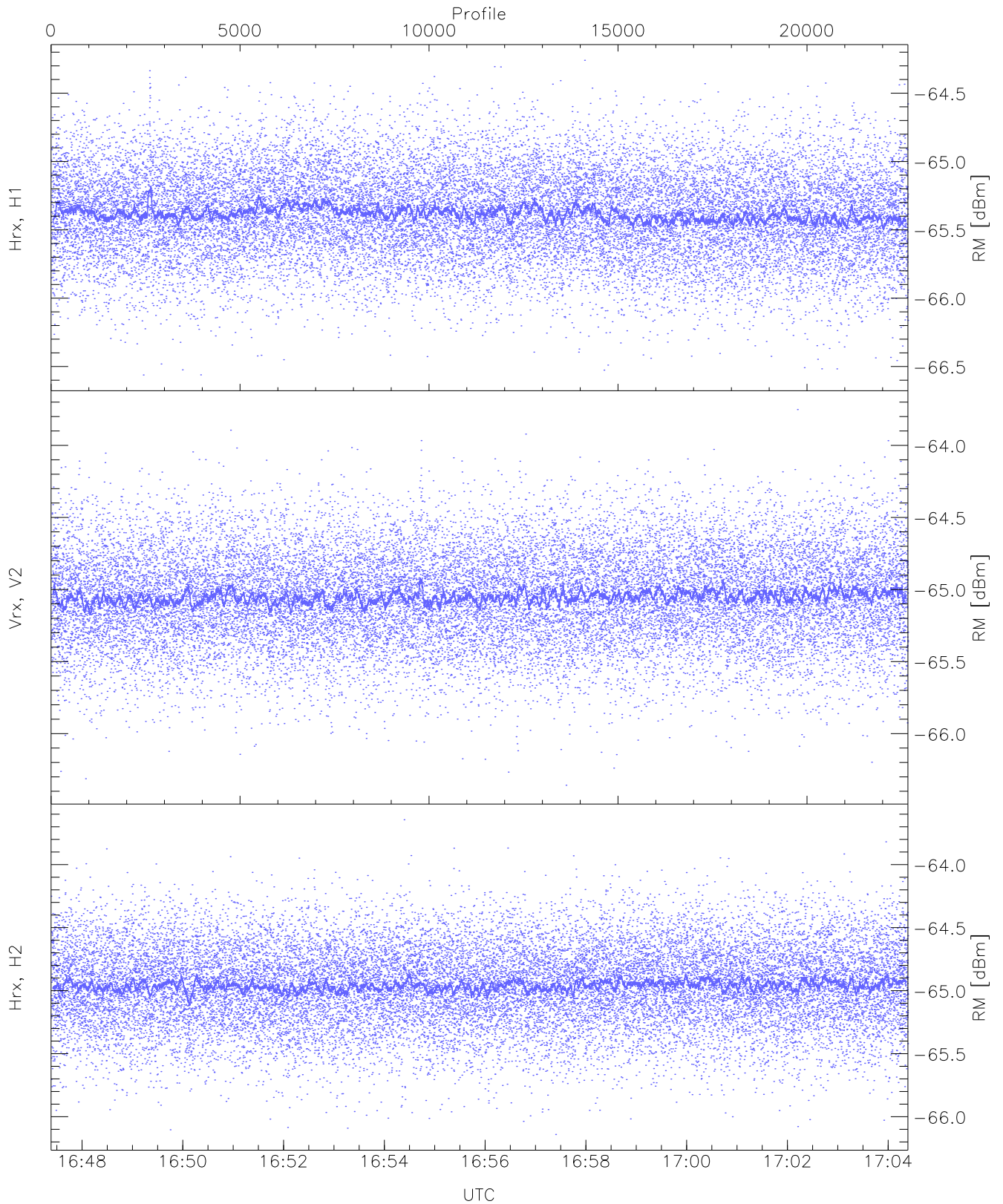
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -66.38 | -63.79 | -64.95 | -64.96 | -76.45 |
| Vrx, V2(WL [dBm]) | -66.19 | -63.91 | -65.01 | -65.01 | -76.55 |
| Hrx, H2(WL [dBm]) | -66.30 | -63.90 | -64.95 | -64.96 | -76.44 |



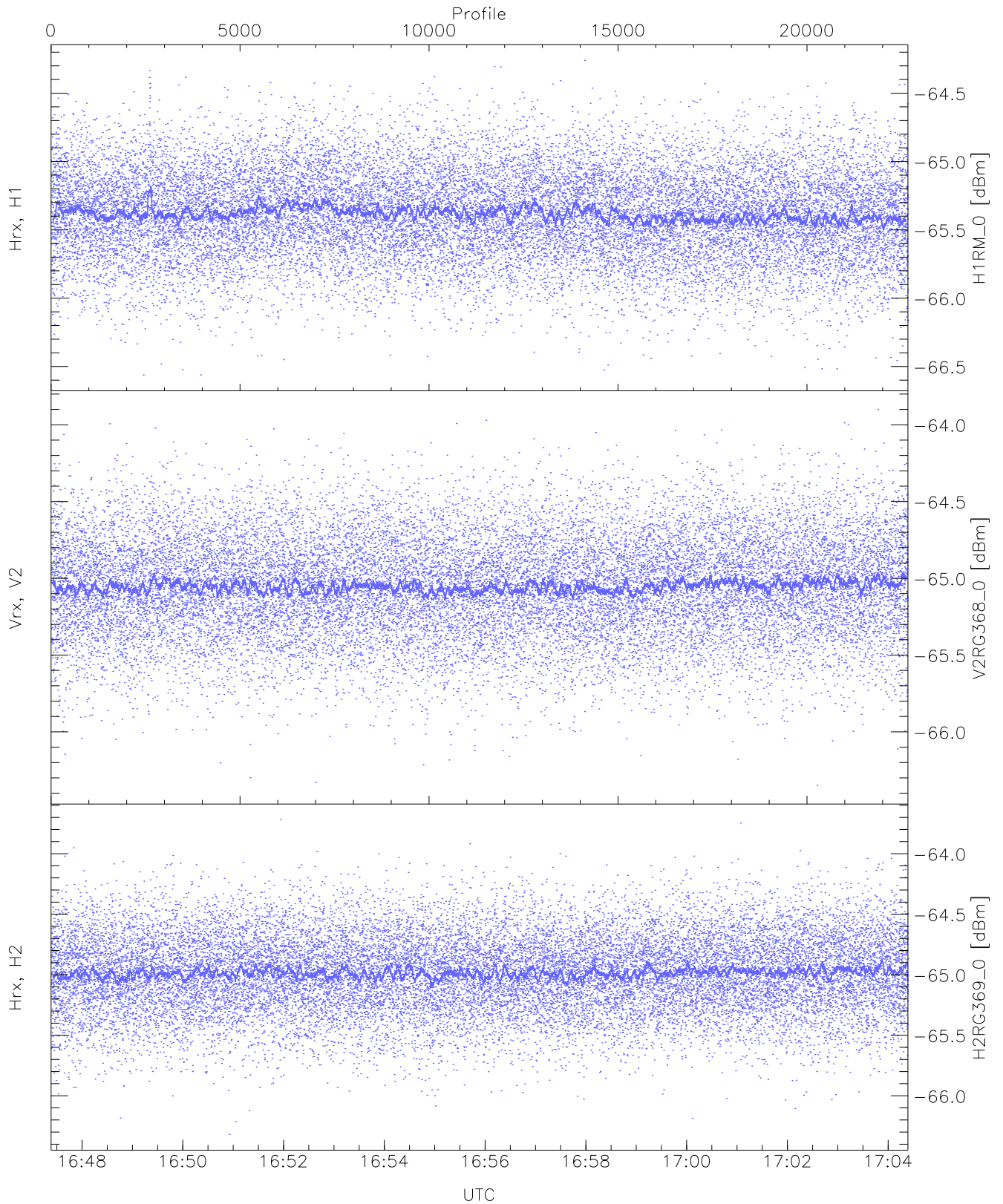
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -66.07 | -63.59 | -64.77 | -64.78 | -76.28 |
| Vrx, V2 (HL [dBm]) | -66.09 | -63.61 | -64.81 | -64.82 | -76.30 |
| Hrx, H2 (HL [dBm]) | -66.09 | -63.45 | -64.77 | -64.78 | -76.27 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

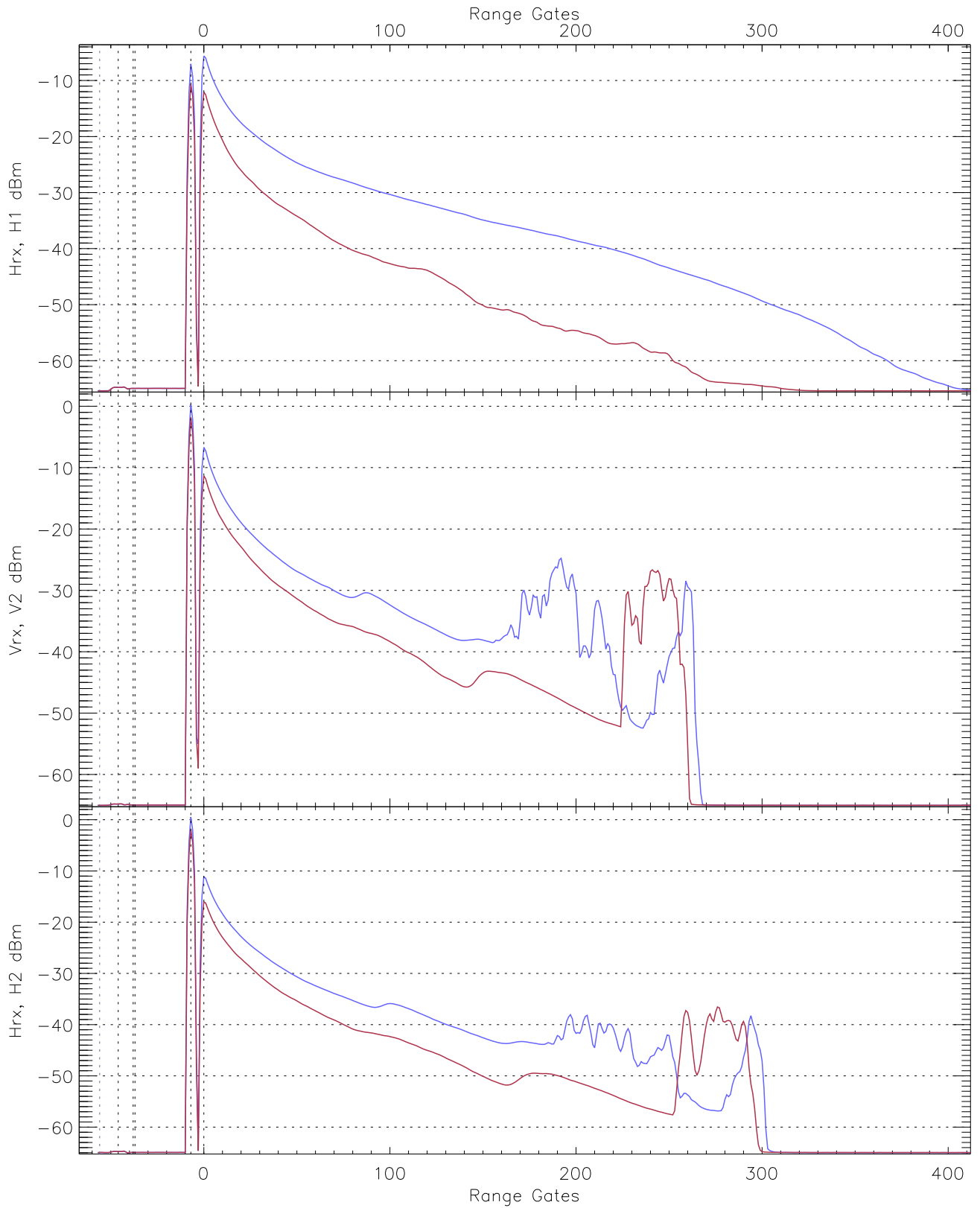
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.56 | -64.26 | -65.38 | -65.38 | -76.87 |
| Vrx, V2 (RM [dBm]) | -66.36 | -63.75 | -65.04 | -65.05 | -76.52 |
| Hrx, H2 (RM [dBm]) | -66.14 | -63.64 | -64.95 | -64.96 | -76.48 |



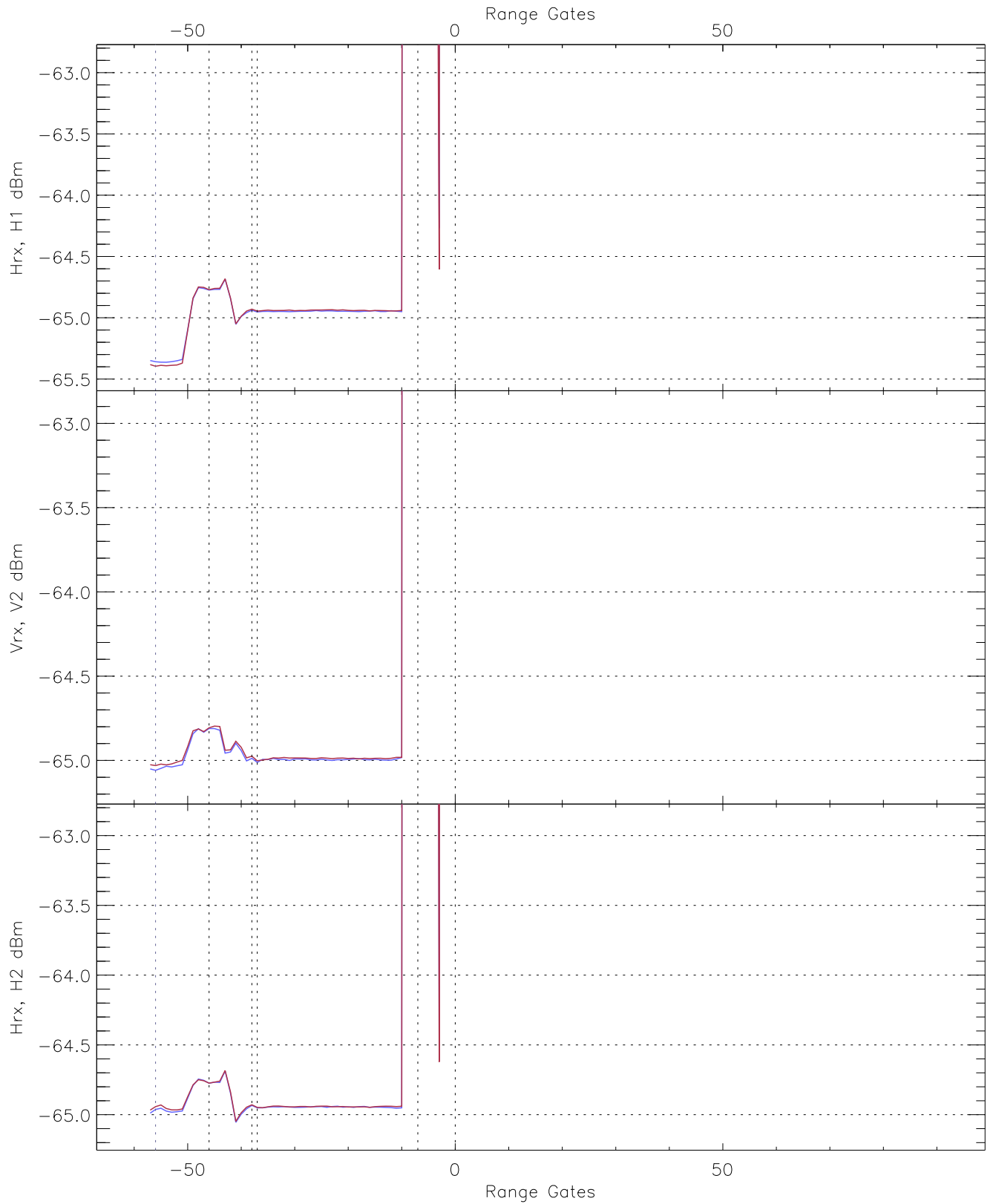
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RM_0 [dBm]    | -66.56 | -64.26 | -65.38 | -65.38 | -76.87 |
| V2RG368_0 [dBm] | -66.35 | -63.90 | -65.04 | -65.05 | -76.53 |
| H2RG369_0 [dBm] | -66.32 | -63.72 | -64.98 | -64.99 | -76.49 |

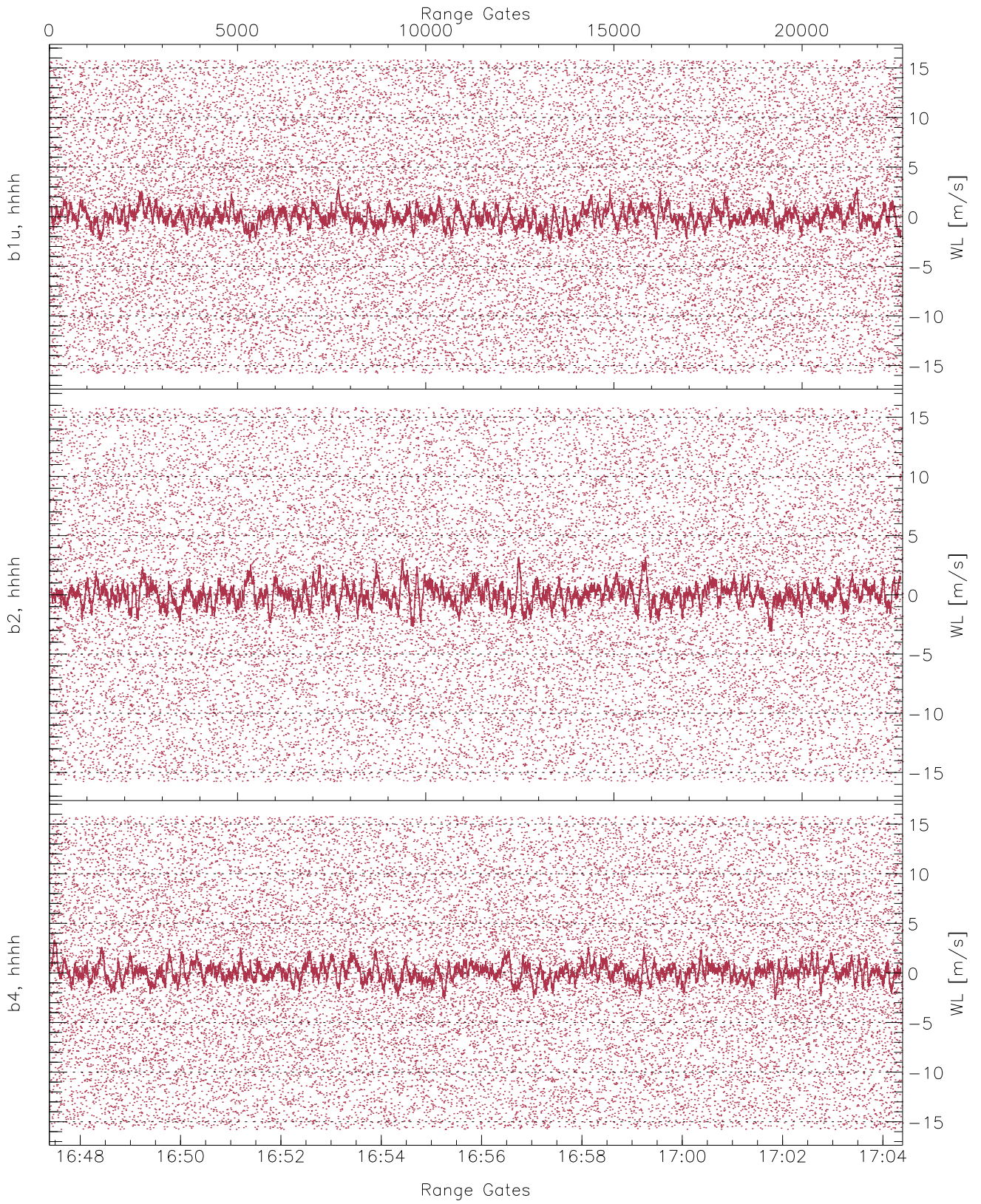




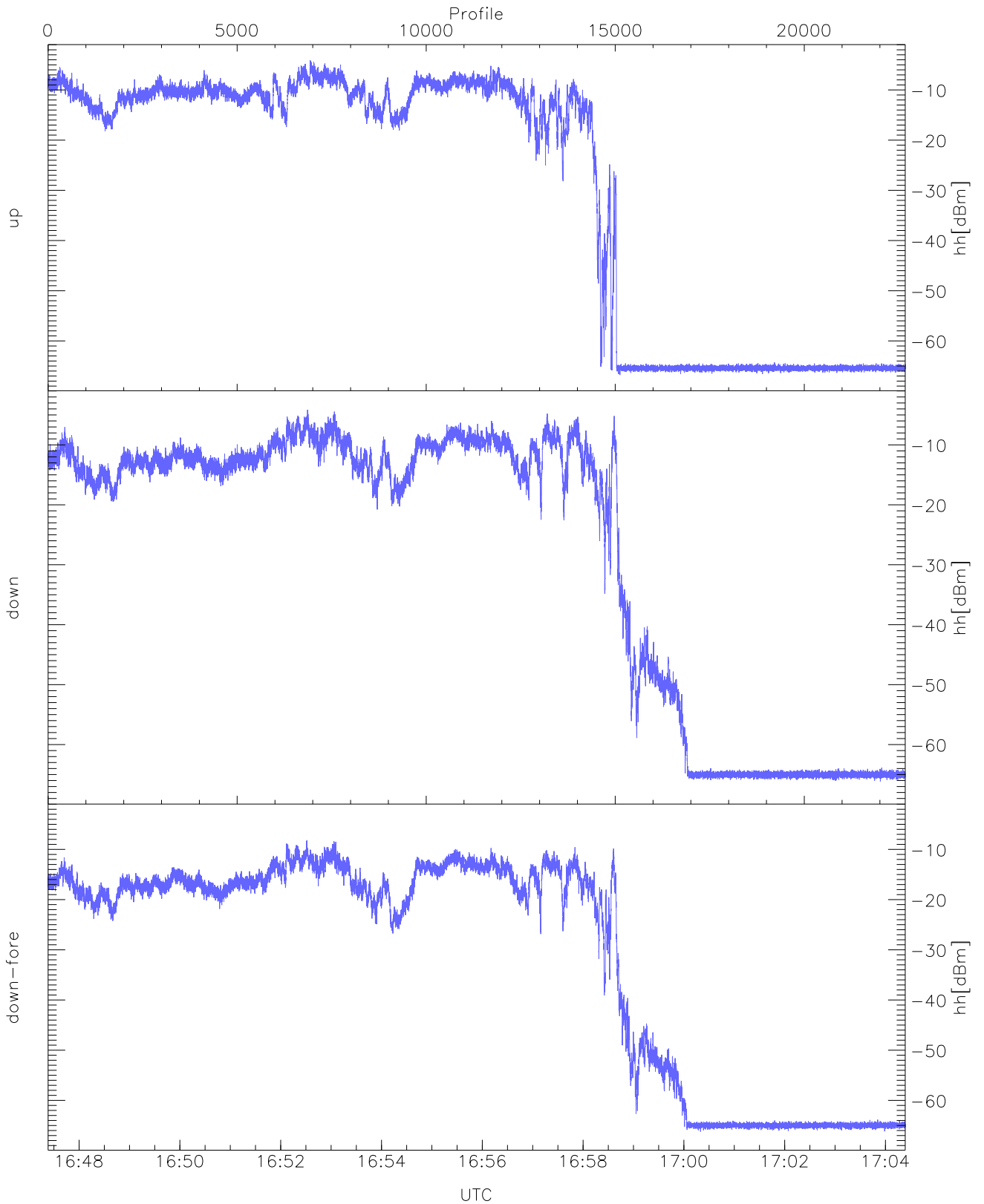
WCR3 CPP Averaged Received power for all recorded gates  
blue: 164723-165553, 11337 profiles averaged  
red: 165553-170424, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 164723-165553, 11337 profiles averaged  
red: 165553-170424, 11336 profiles averaged

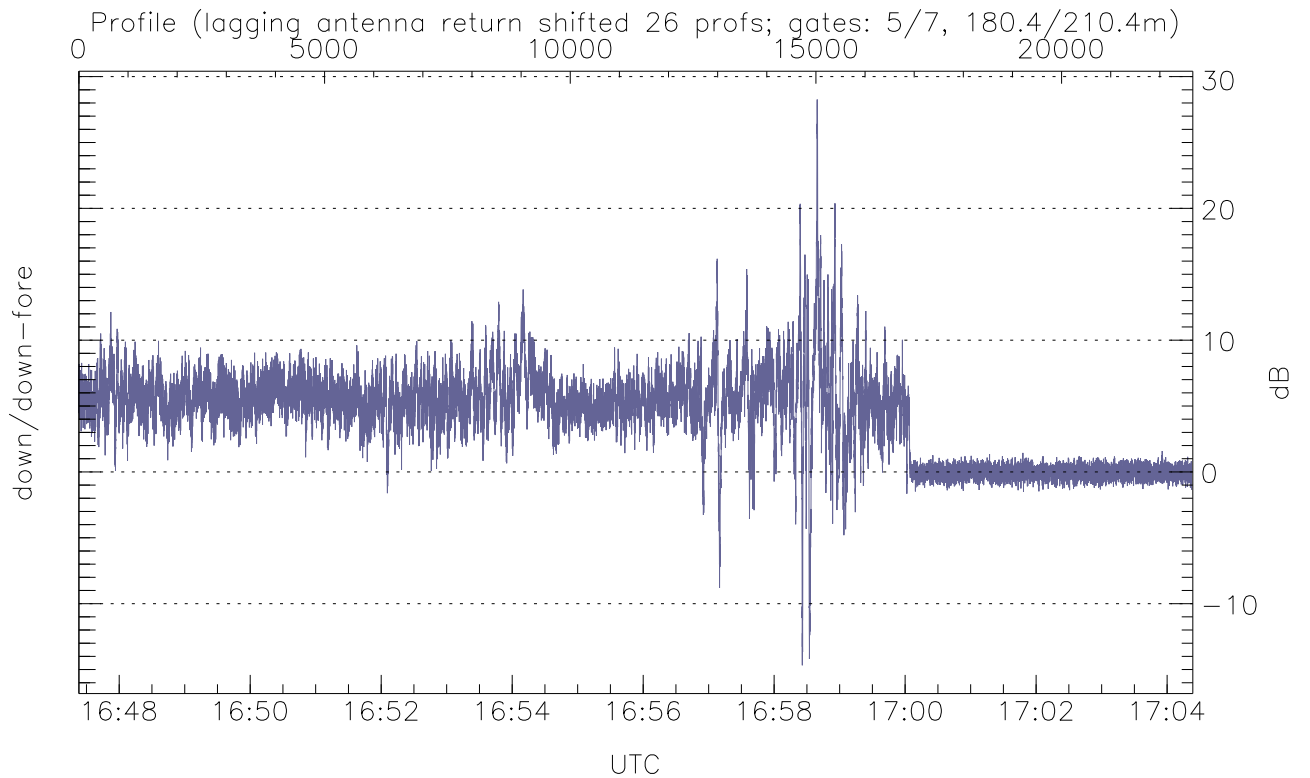
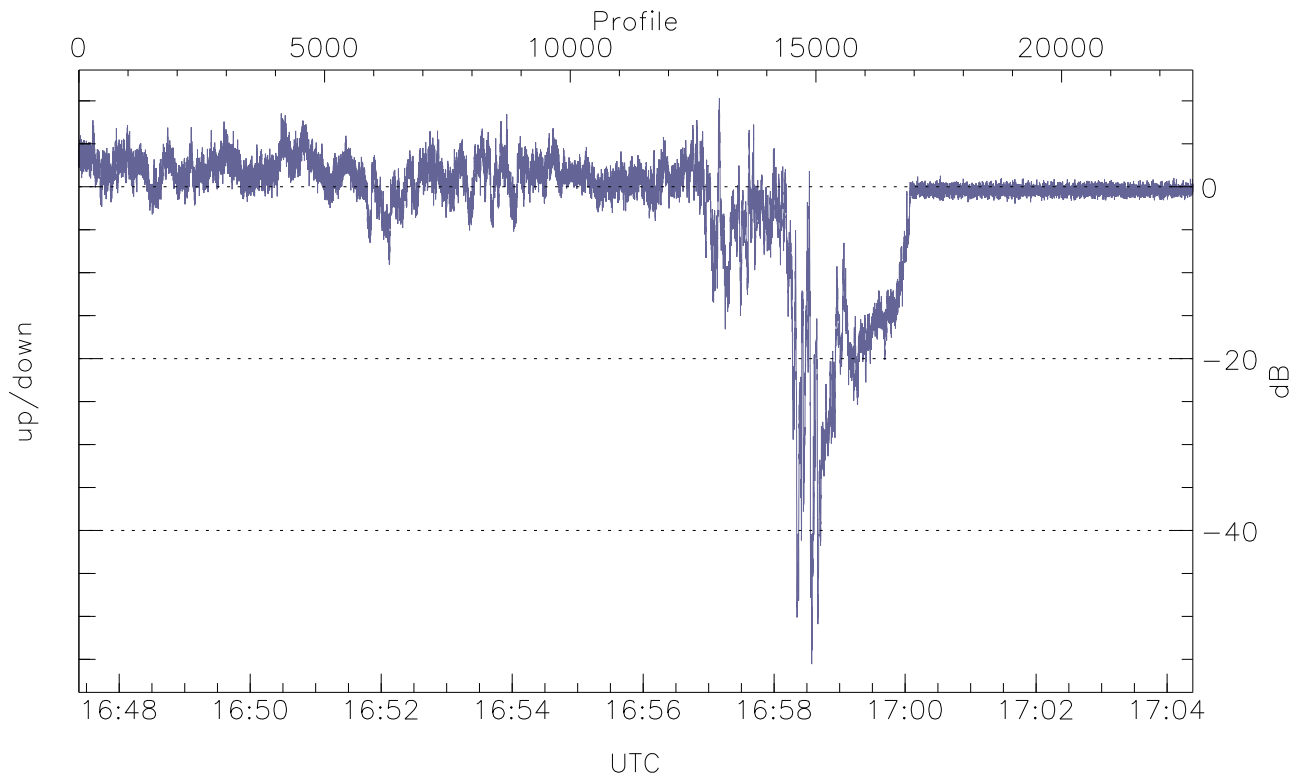


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



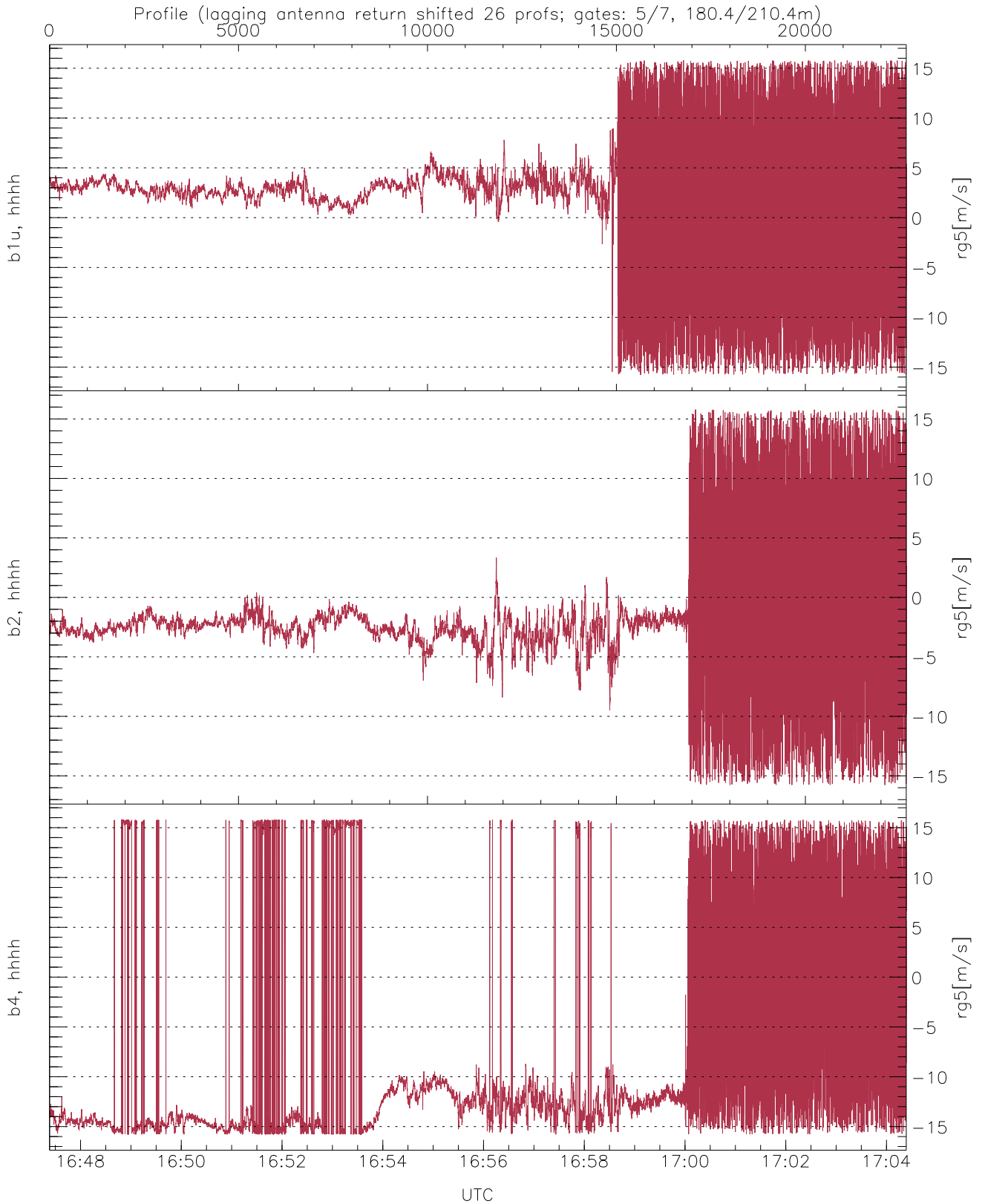
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max   | Mean   |
|--------------------|--------|-------|--------|
| up(hh[dBm])        | -66.79 | -4.10 | -12.09 |
| down(hh[dBm])      | -66.17 | -4.13 | -12.79 |
| down-fore(hh[dBm]) | -66.22 | -8.17 | -16.90 |



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

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -55.55 | 10.29 | -1.71 |
| down/down-fore (dB) | -14.67 | 28.26 | 4.21  |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.78 | 15.79 | 2.00  | 5.28  |
| b2, hhhh(rg5[m/s])  | -15.77 | 15.79 | -1.90 | 4.43  |
| b4, hhhh(rg5[m/s])  | -15.79 | 15.79 | -7.87 | 9.93  |