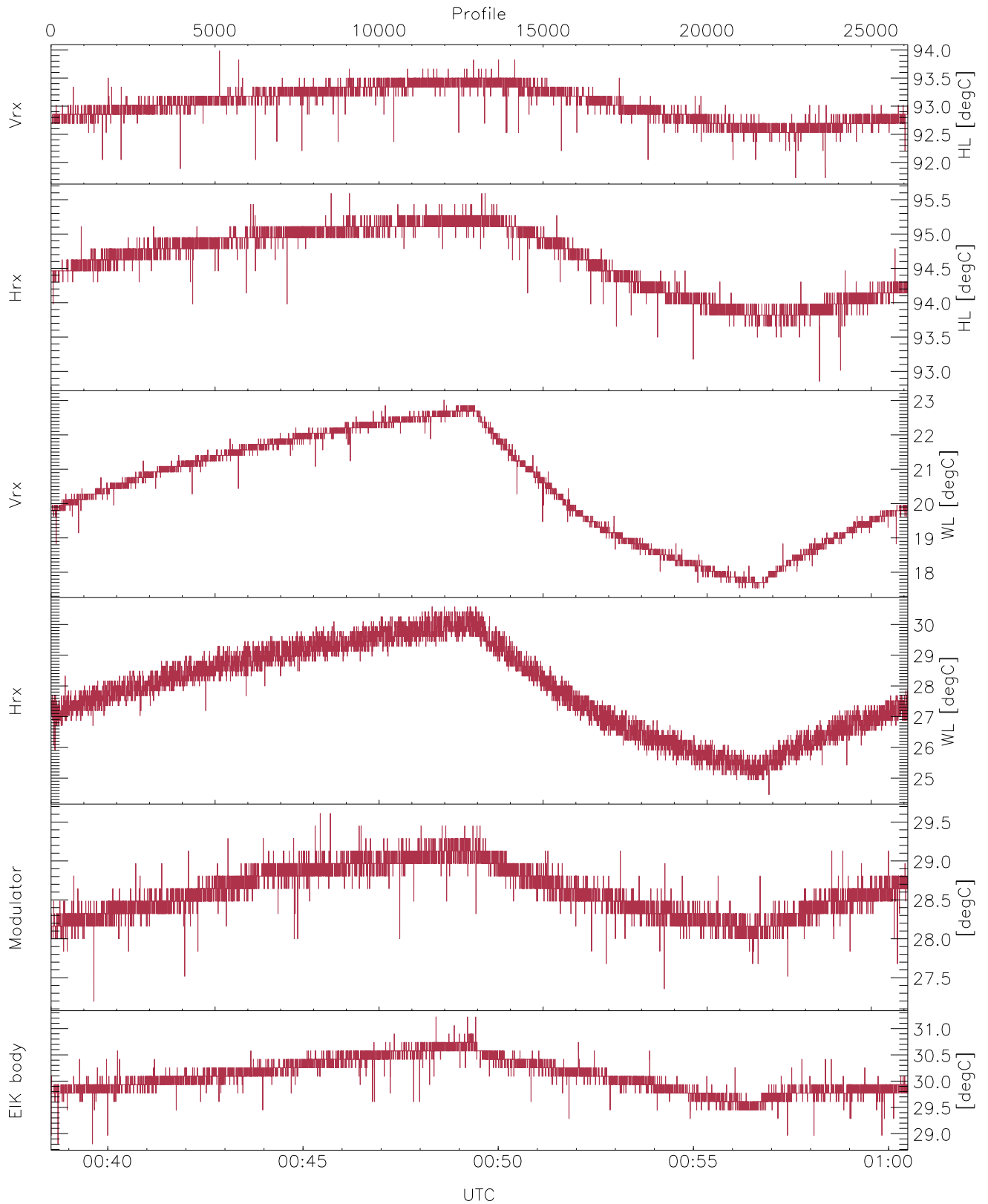


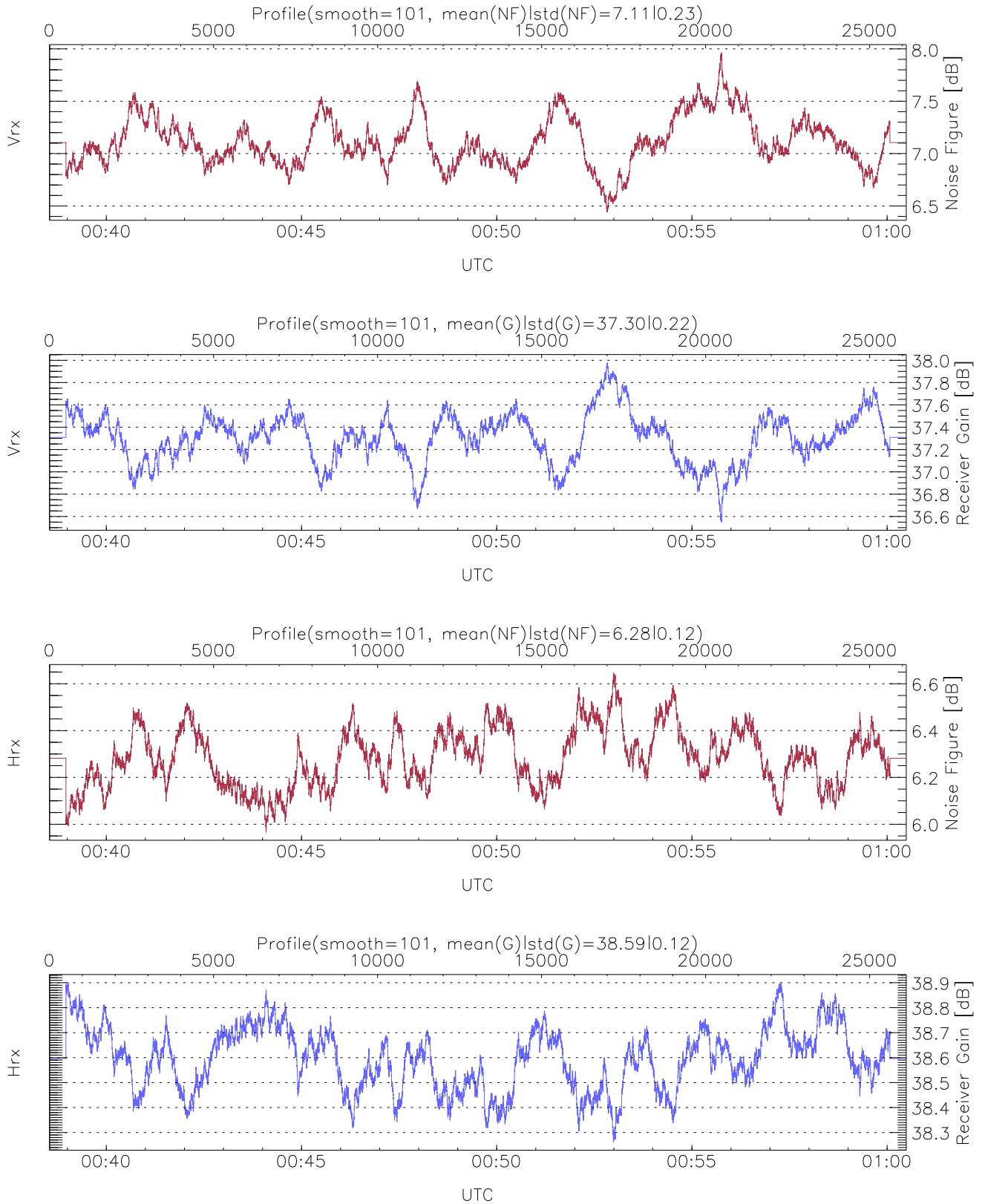
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 00:38:33-01:00:29, Dur: 1316.68s  
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant  
 TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20  
 NumRec(r/t): 26119/26119, 0-26118/00:38:33-01:00:29  
 AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168  
 Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2  
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us  
 Range(min,max,rqs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



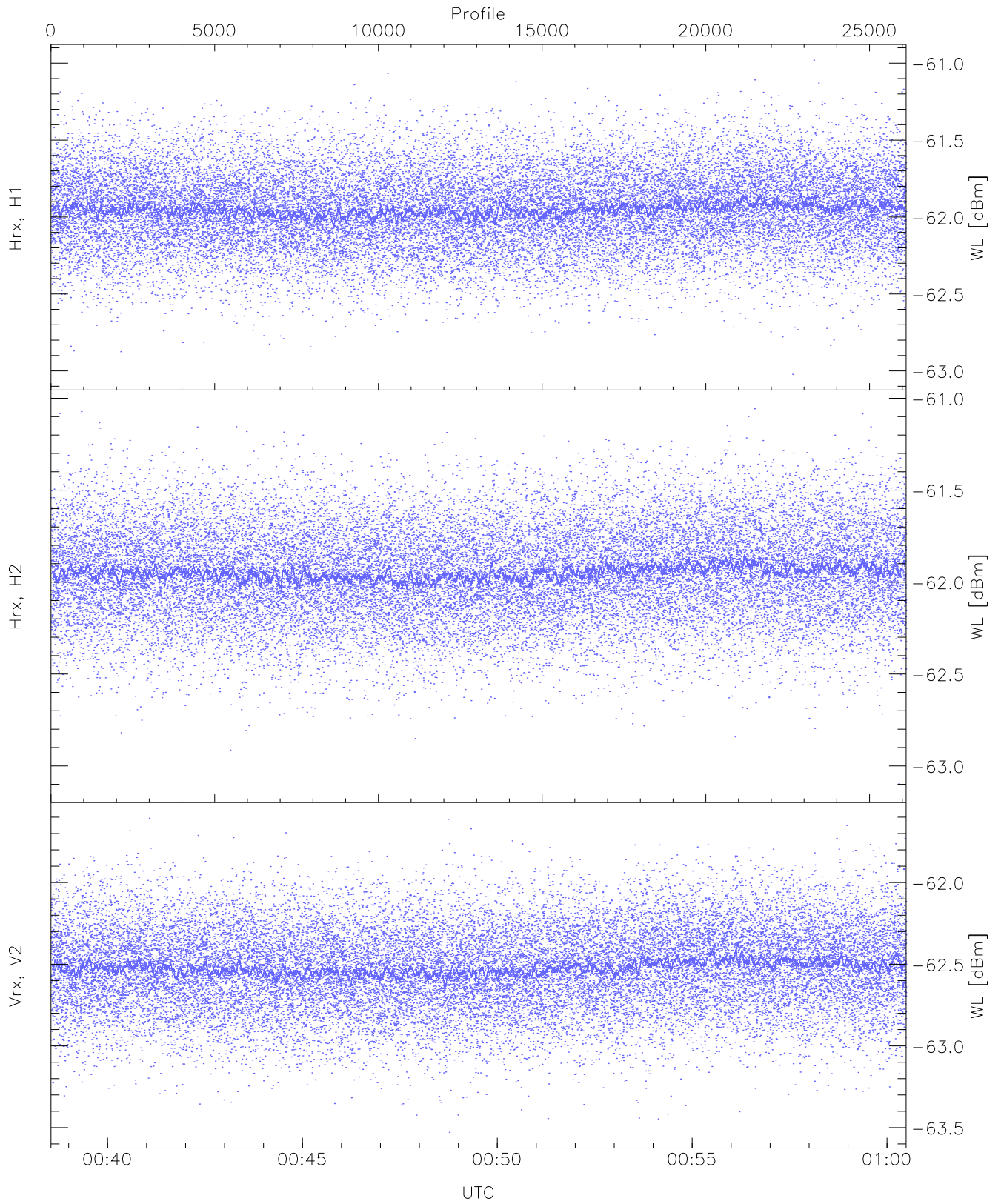
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,17,24,27,28  
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,23,30,29,31  
 LOalarm(20,80,240,2.8,14.8 MHz): 6,0,0,0,0  
 EIK Faults(# prof affected):  
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (10,15,15,21,10,20)



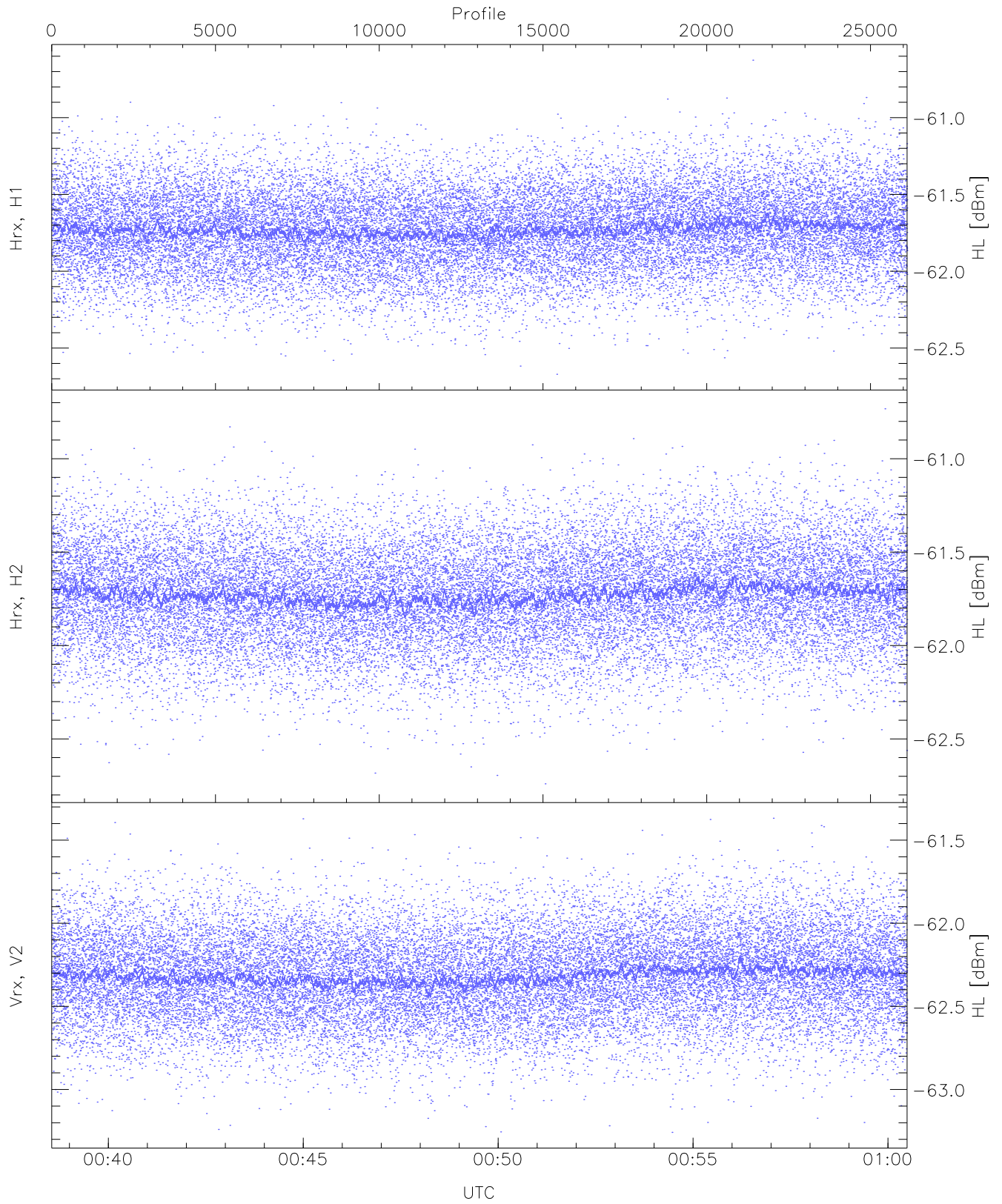
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 20 pixs, 7 gates, 20 profs, 1 prods



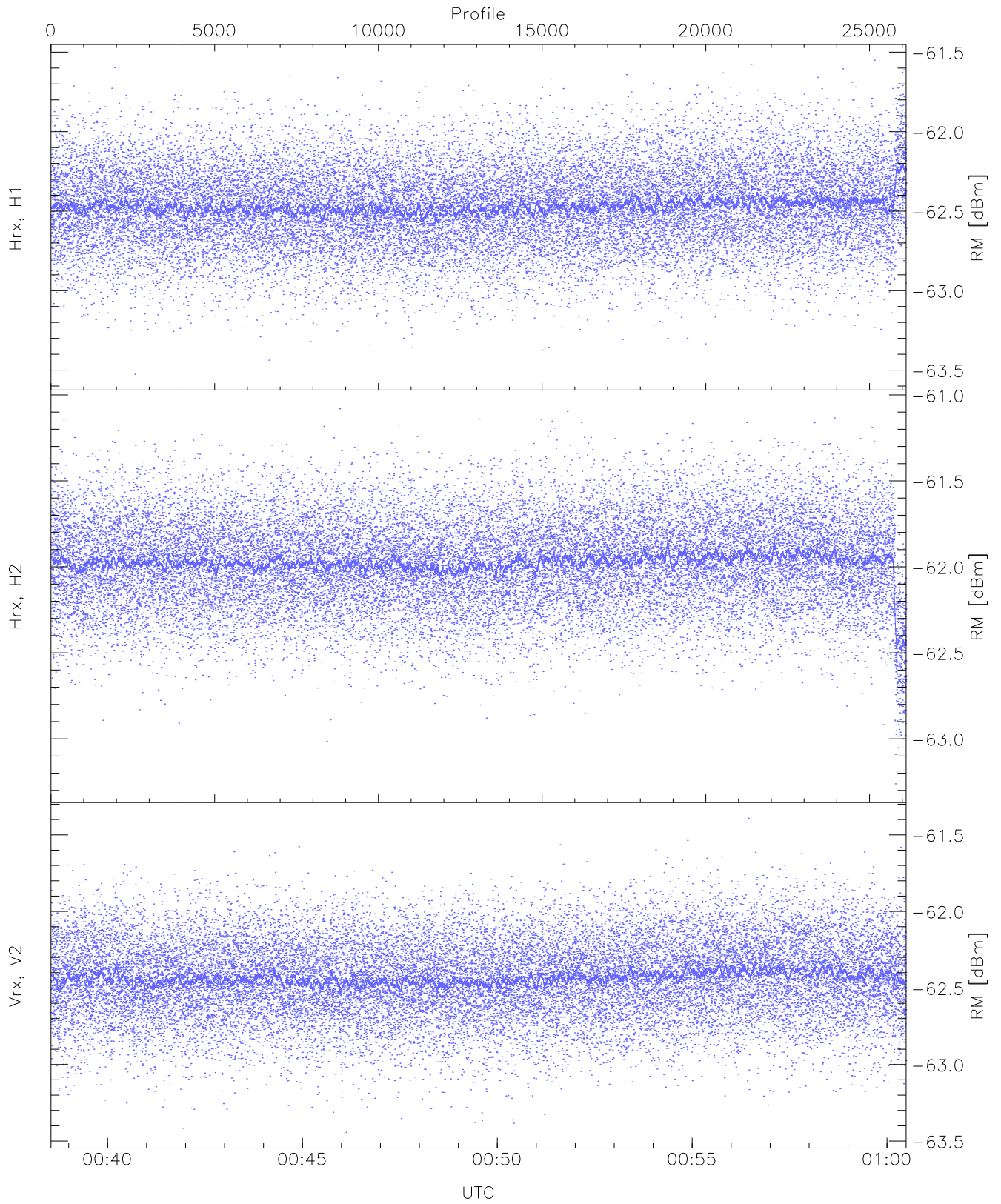
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.02 | -60.98 | -61.95 | -61.95 | -74.49 |
| Hrx, H2 (WL [dBm]) | -63.10 | -61.06 | -61.94 | -61.95 | -74.49 |
| Vrx, V2 (WL [dBm]) | -63.53 | -61.61 | -62.52 | -62.52 | -75.04 |



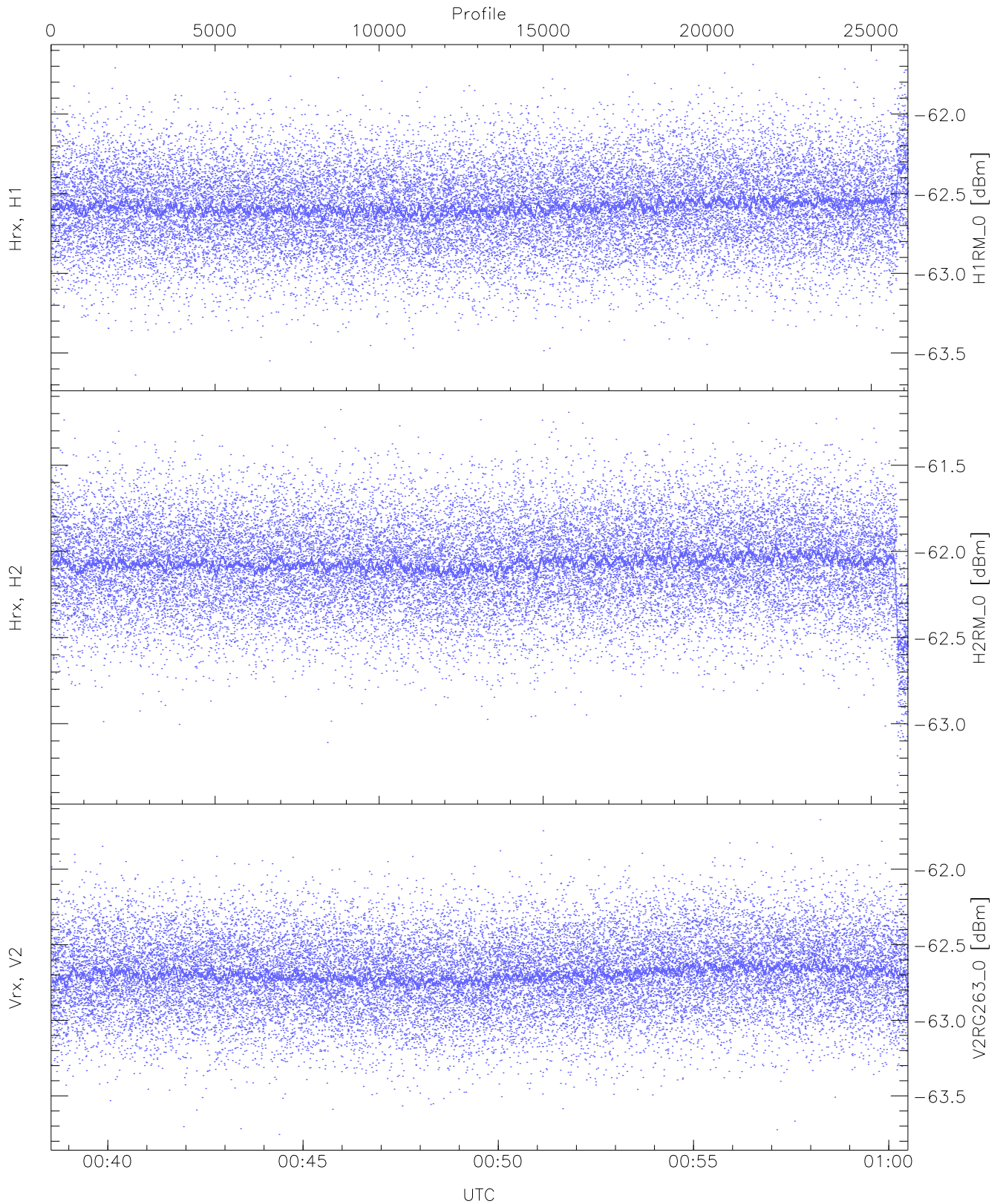
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.67 | -60.63 | -61.73 | -61.73 | -74.28 |
| Hrx, H2 (HL [dBm]) | -62.74 | -60.73 | -61.72 | -61.73 | -74.30 |
| Vrx, V2 (HL [dBm]) | -63.26 | -61.37 | -62.31 | -62.32 | -74.81 |



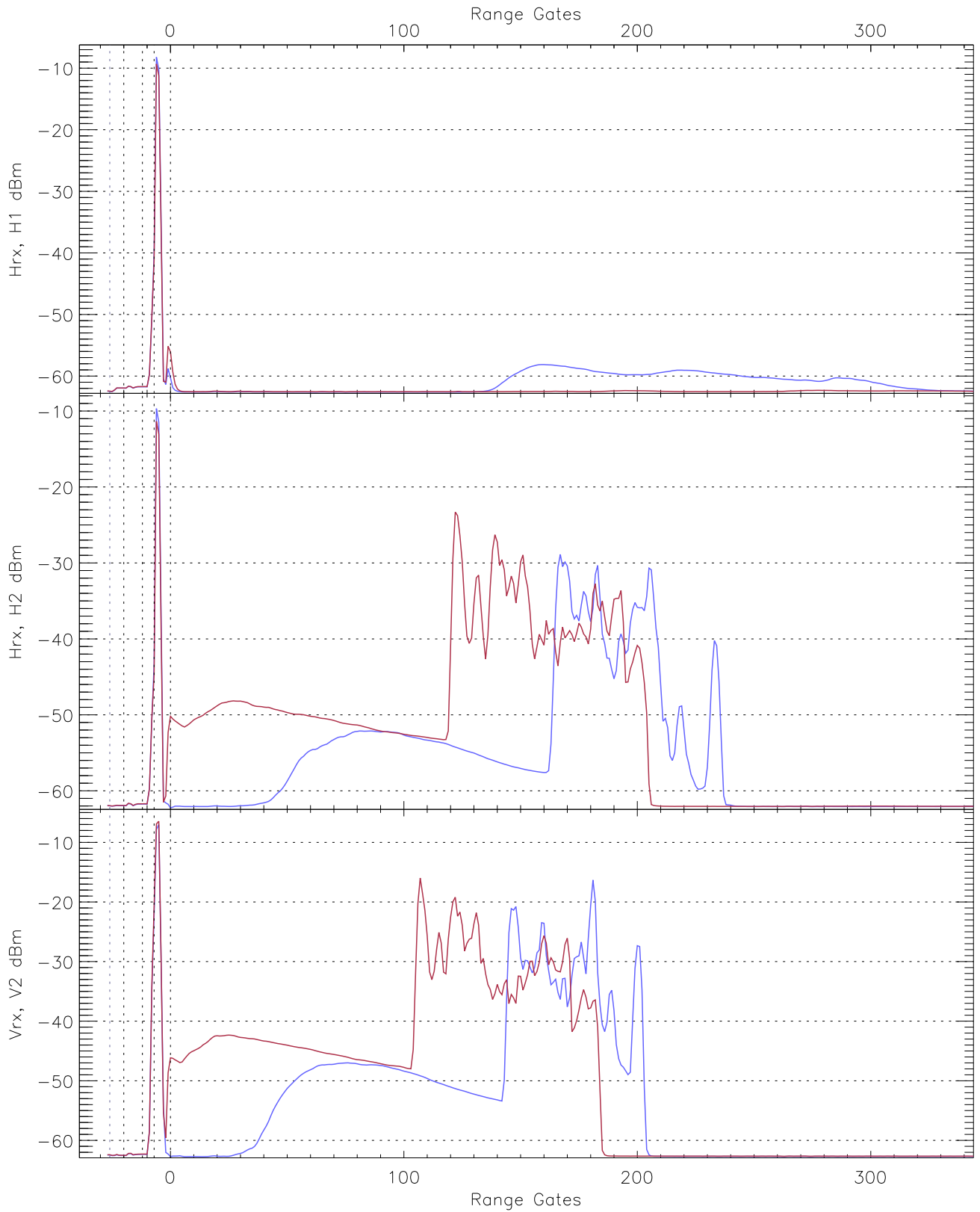
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.53 | -61.55 | -62.47 | -62.47 | -74.96 |
| Hrx, H2 (RM [dBm]) | -63.26 | -61.08 | -61.97 | -61.97 | -74.40 |
| Vrx, V2 (RM [dBm]) | -63.44 | -61.39 | -62.43 | -62.44 | -74.93 |



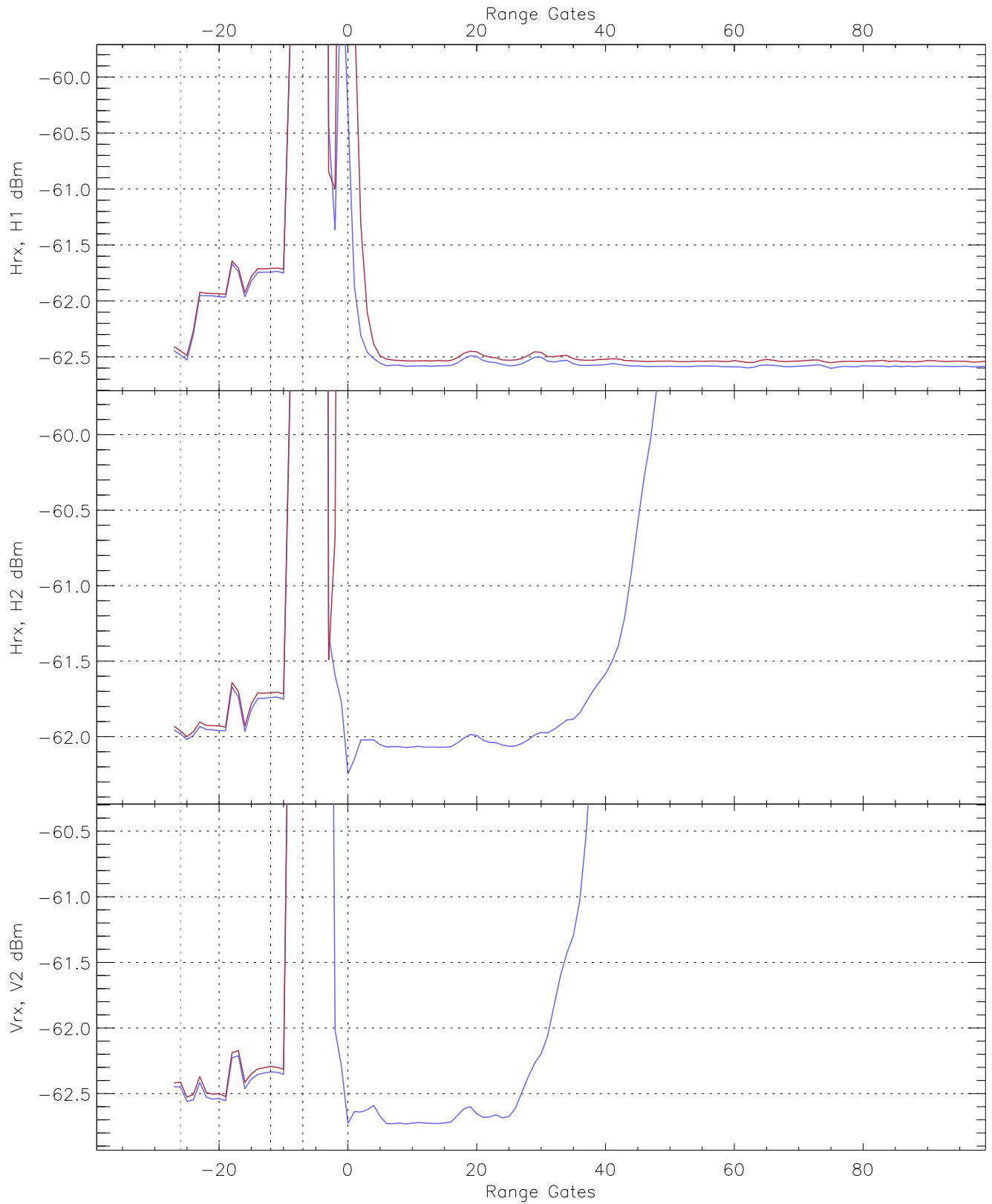
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RM_0 [dBm]    | -63.64 | -61.66 | -62.58 | -62.58 | -75.07 |
| H2RM_0 [dBm]    | -63.36 | -61.18 | -62.07 | -62.07 | -74.50 |
| V2RG263_0 [dBm] | -63.76 | -61.67 | -62.69 | -62.70 | -75.18 |

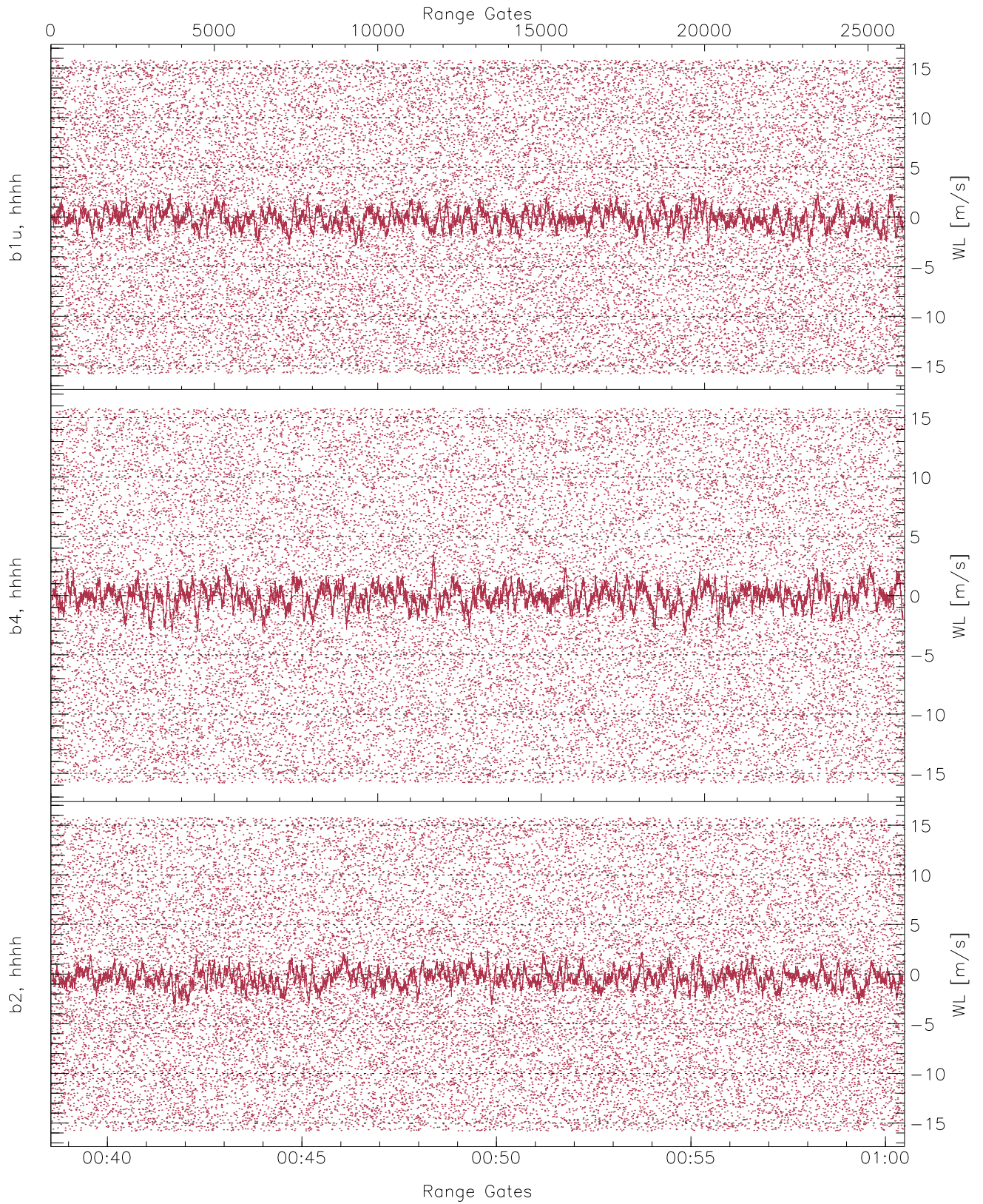


WCR2 CPP Averaged Received power for all recorded gates  
blue: 003833-004931, 13060 profiles averaged  
red: 004931-010029, 13060 profiles averaged

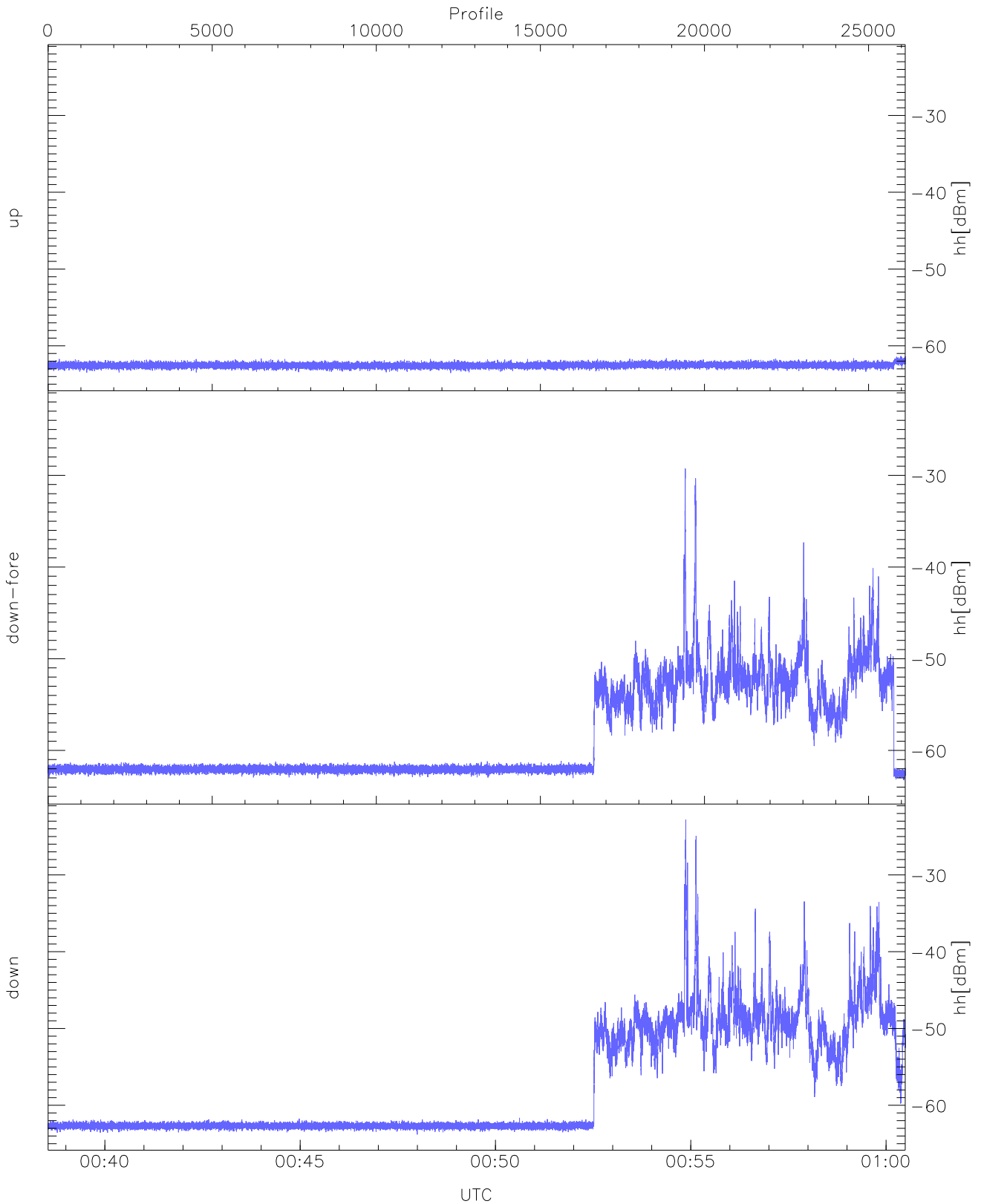




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 003833-004931, 13060 profiles averaged  
red: 004931-010029, 13060 profiles averaged

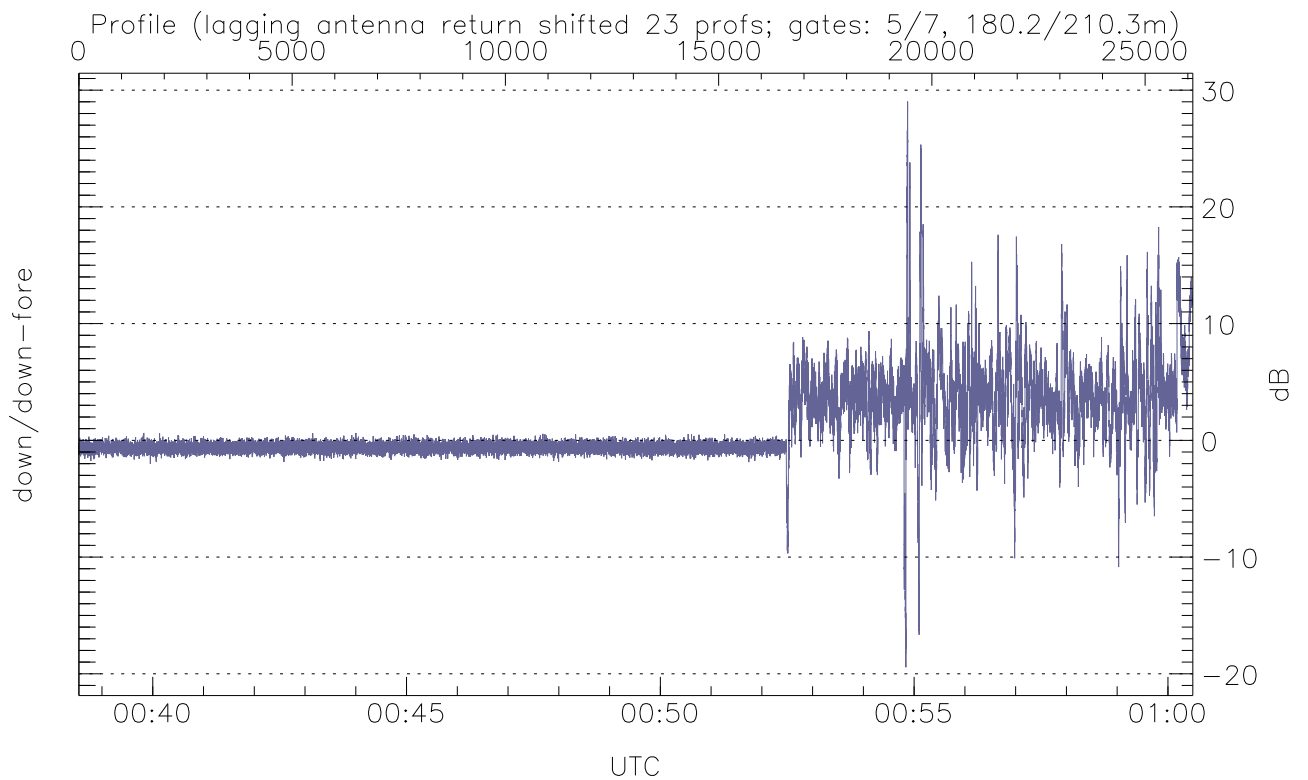
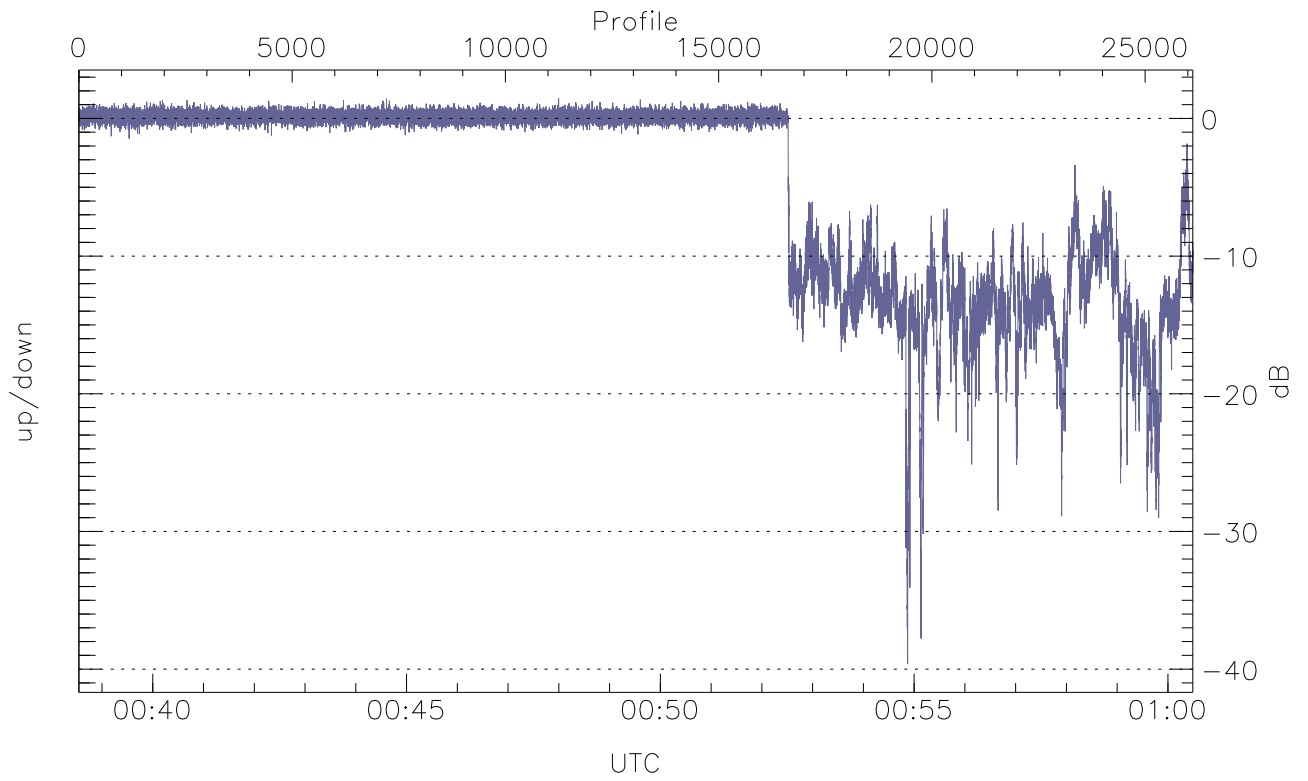


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



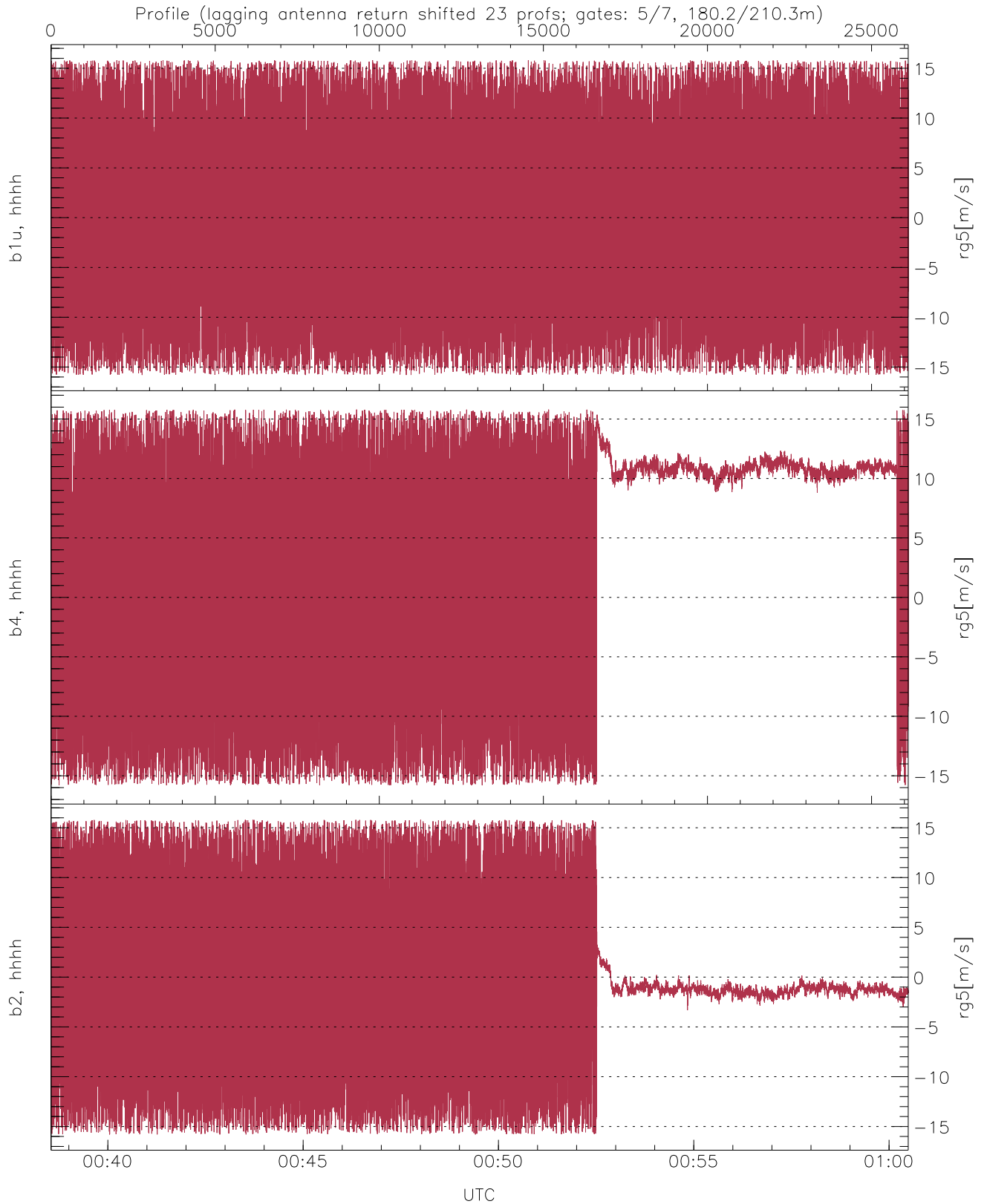
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -63.53 | -61.33 | -62.52 |
| down-fore(hh[dBm]) | -63.25 | -29.24 | -54.10 |
| down(hh[dBm])      | -63.80 | -22.82 | -49.75 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -39.63 | 1.46  | -4.80 |
| down/down-fore (dB) | -19.44 | 29.03 | 1.04  |



WCR2 CPP Doppler Velocity Products at 180.2 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.10 | 8.84  |
| b4, hhhh(rg5[m/s])  | -15.80 | 15.80 | 3.75  | 8.97  |
| b2, hhhh(rg5[m/s])  | -15.80 | 15.80 | -0.81 | 7.18  |