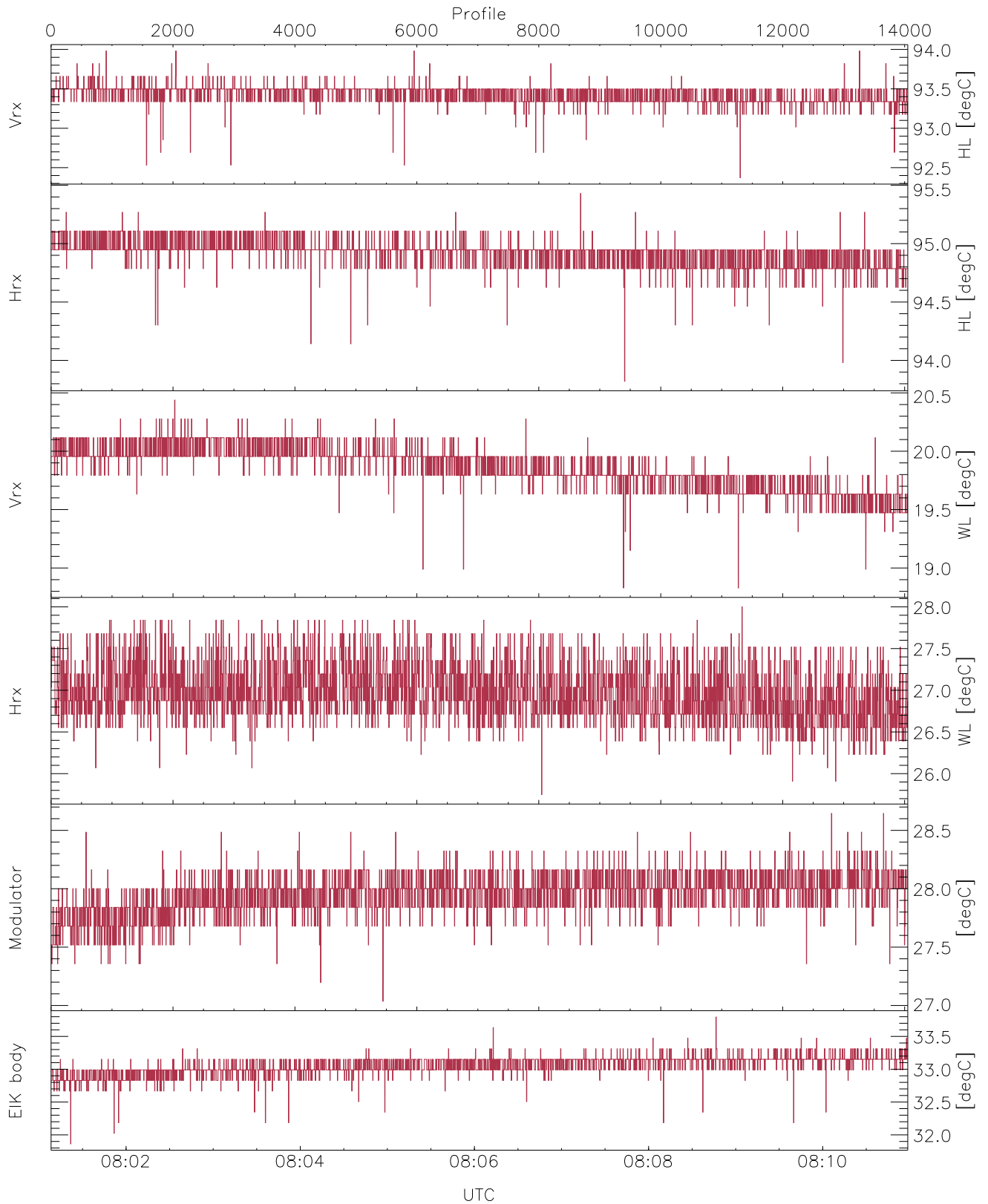


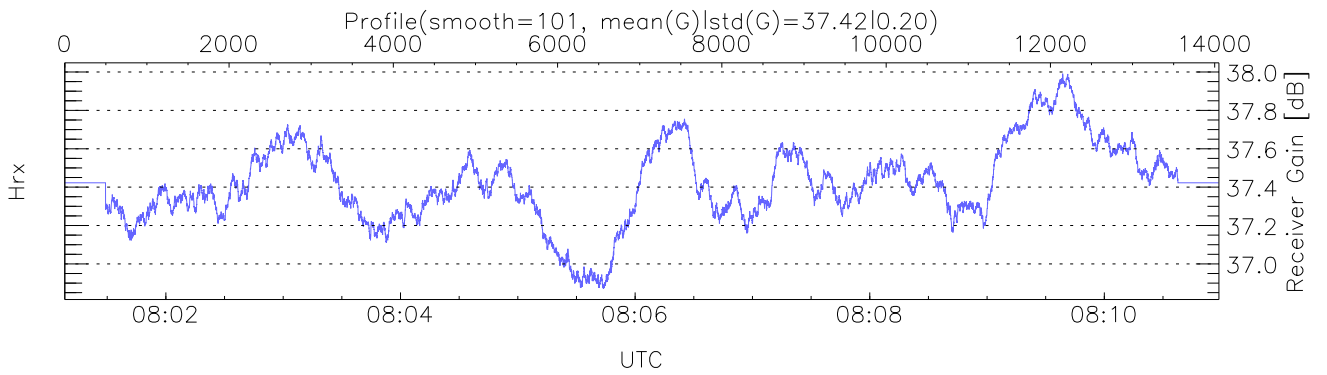
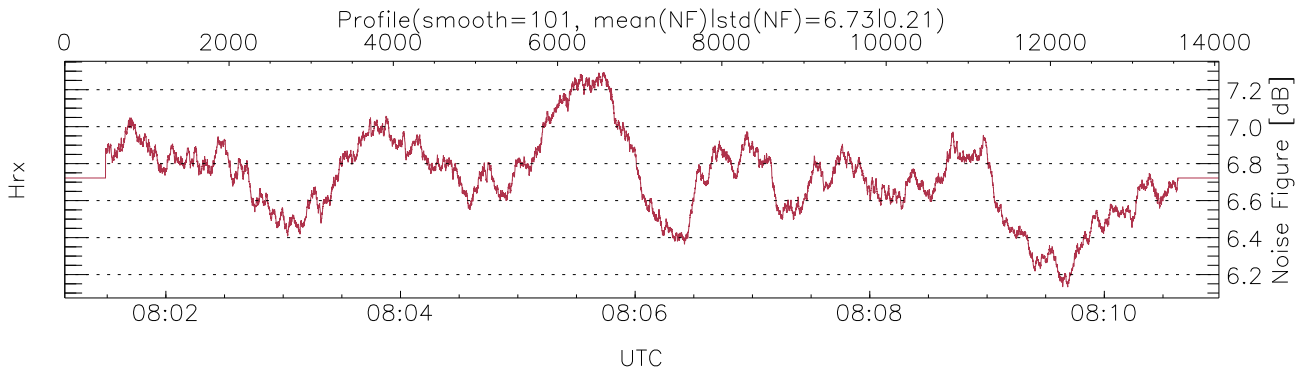
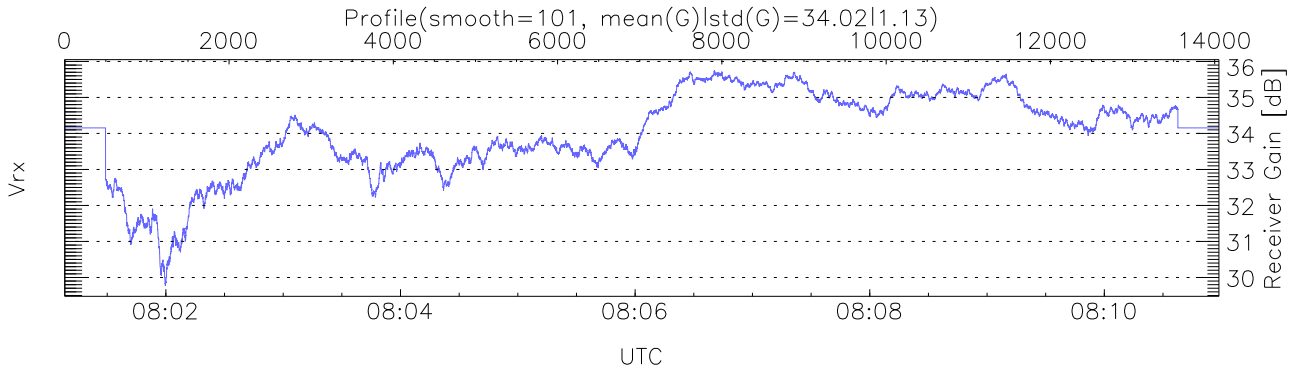
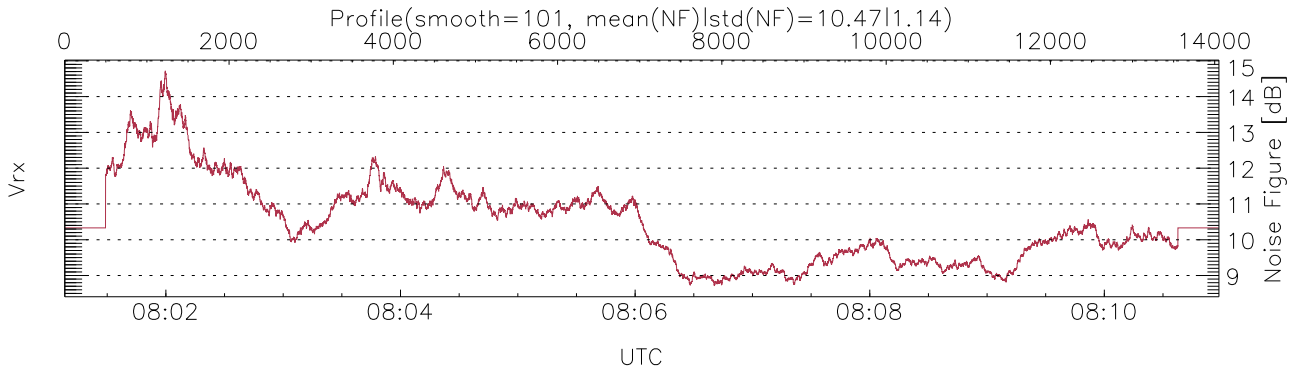
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 08:01:08-08:10:59, Dur: 590.33s  
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant  
 TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24  
 NumRec(r/t): 14053/14053, 0-14052/08:01:08-08:10:59  
 AcqTime: 42.0ms, Rate: 377KB/s, Averages: 140  
 Pulse: 250ns, IFF: 4.0MHz, 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): 105,6187,15.0 m, Gates: 406, Aspect: 4.0  
 Mirror(-9|0|1|2,3,9x)=no mirror|sidelup|error): 1



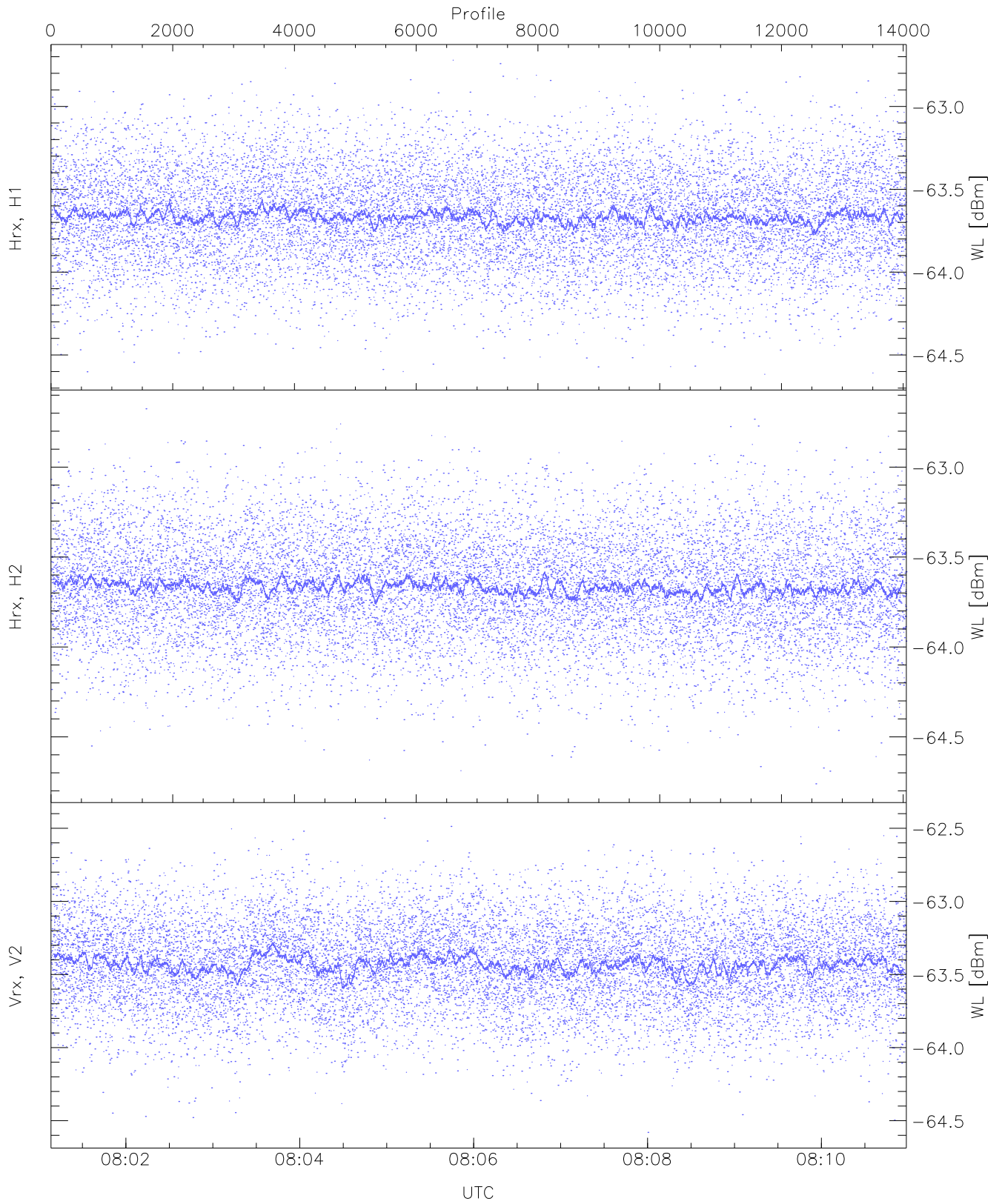
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,18,25,27,31`  
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,20,28,28,33`  
`LOalarm(20,80,240,2.8,14.8 MHz): None`  
`EIK/Modulator Faults: None`



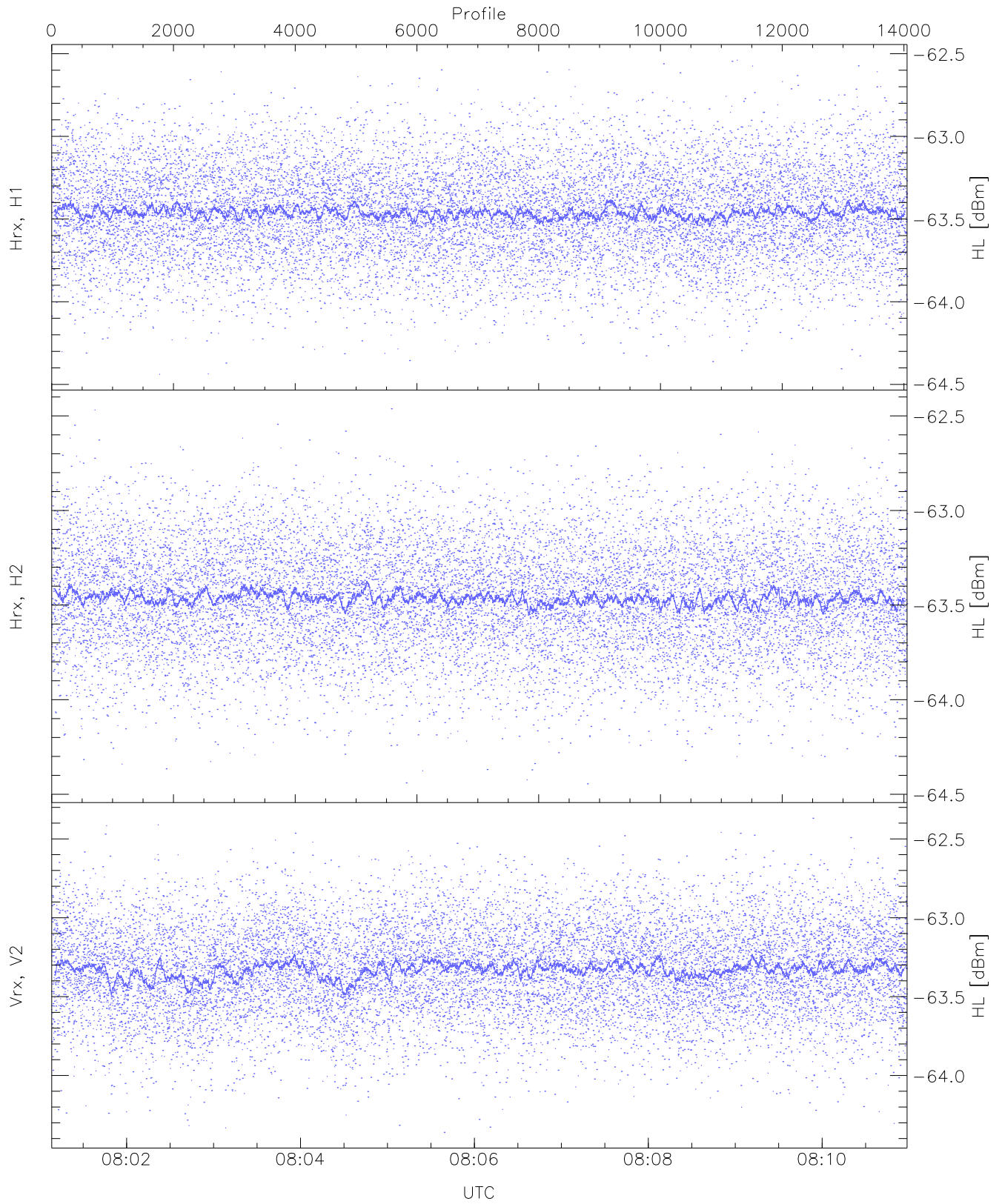
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 458 pixs, 4 gates, 378 profs, 1 prods



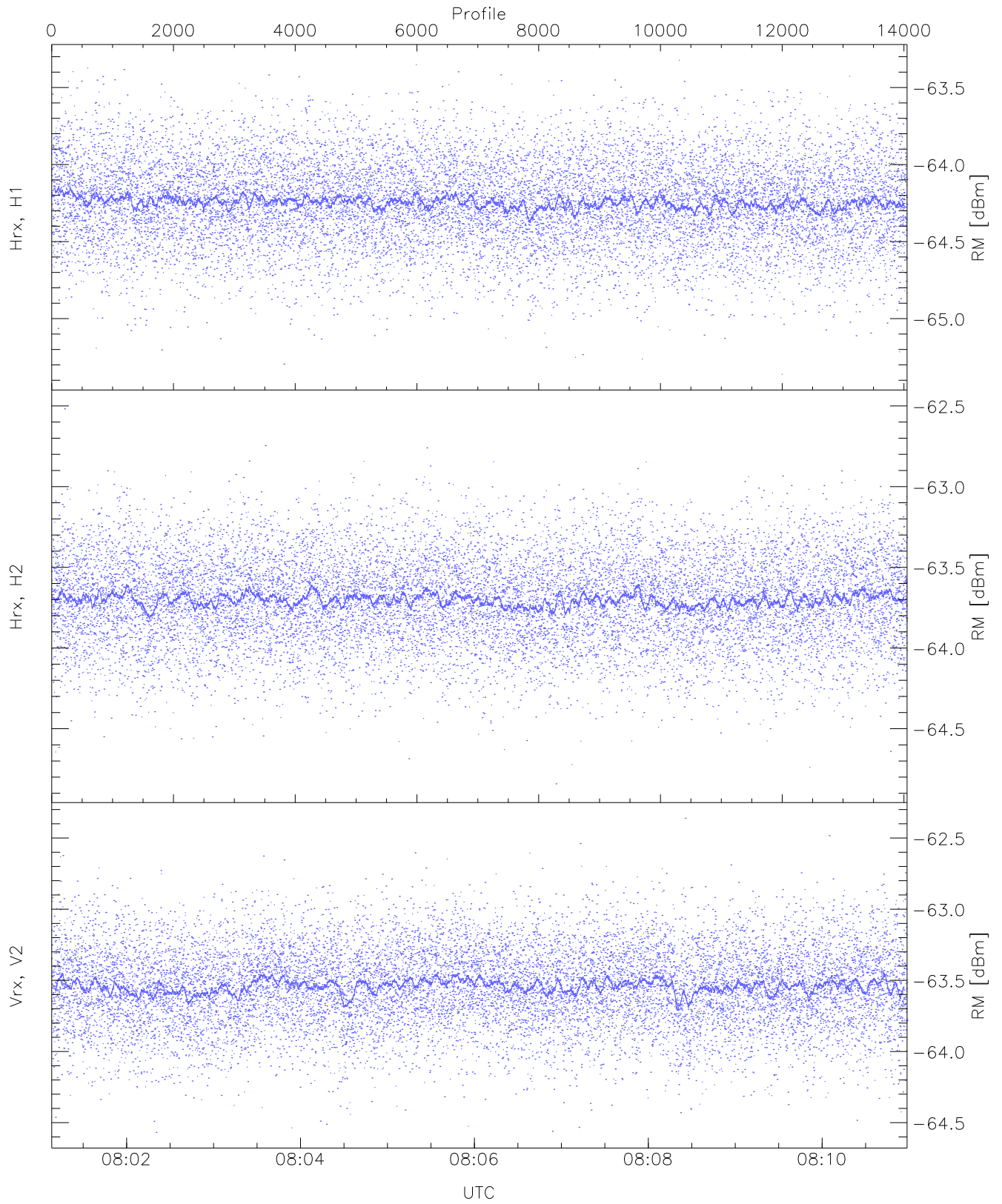
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -64.62 | -62.72 | -63.66 | -63.67 | -75.80 |
| Hrx, H2(WL [dBm]) | -64.76 | -62.68 | -63.66 | -63.67 | -75.77 |
| Vrx, V2(WL [dBm]) | -64.58 | -62.43 | -63.42 | -63.43 | -75.41 |



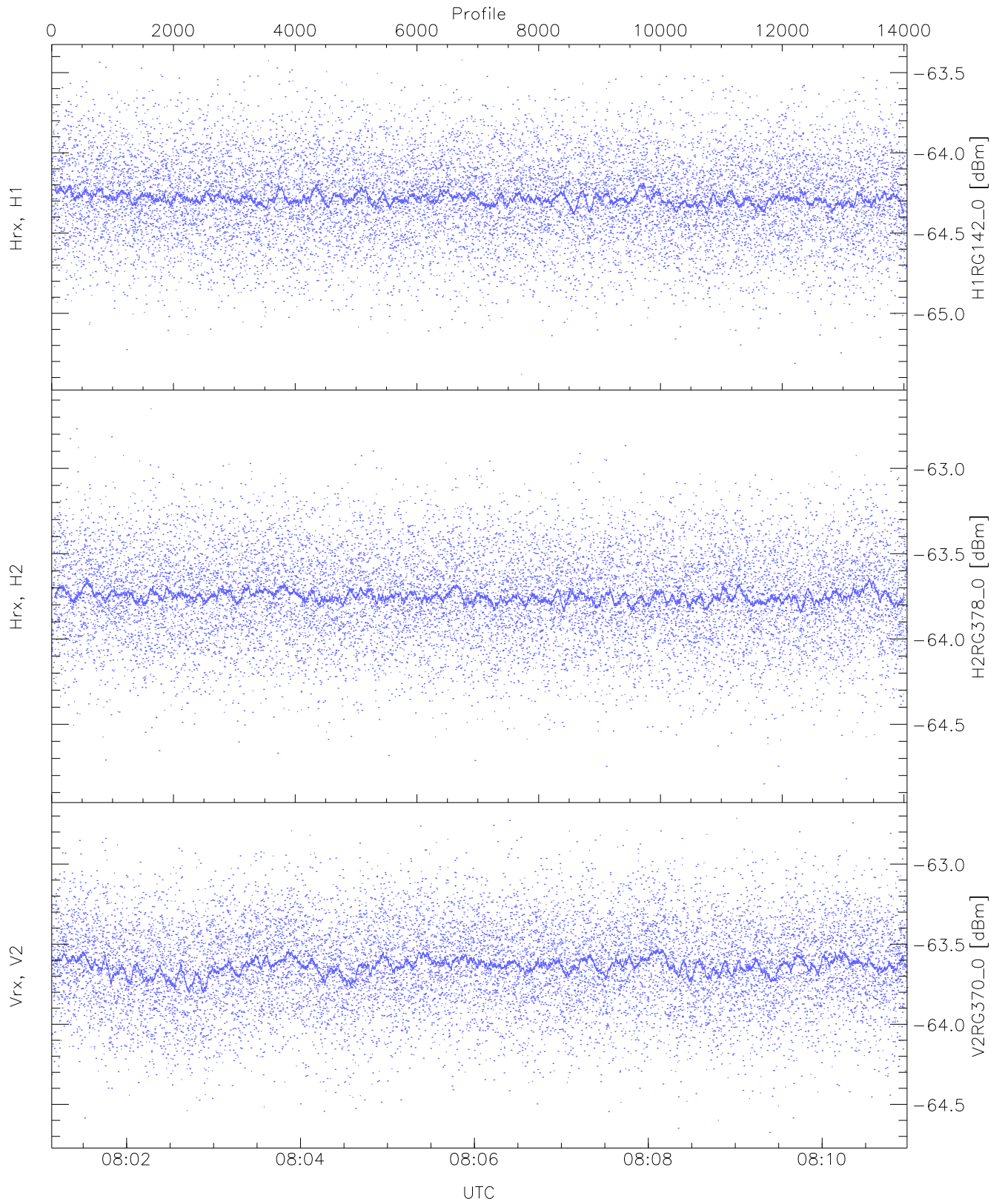
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -64.44 | -62.54 | -63.46 | -63.46 | -75.59 |
| Hrx, H2 (HL [dBm]) | -64.44 | -62.46 | -63.46 | -63.46 | -75.57 |
| Vrx, V2 (HL [dBm]) | -64.36 | -62.37 | -63.33 | -63.33 | -75.39 |



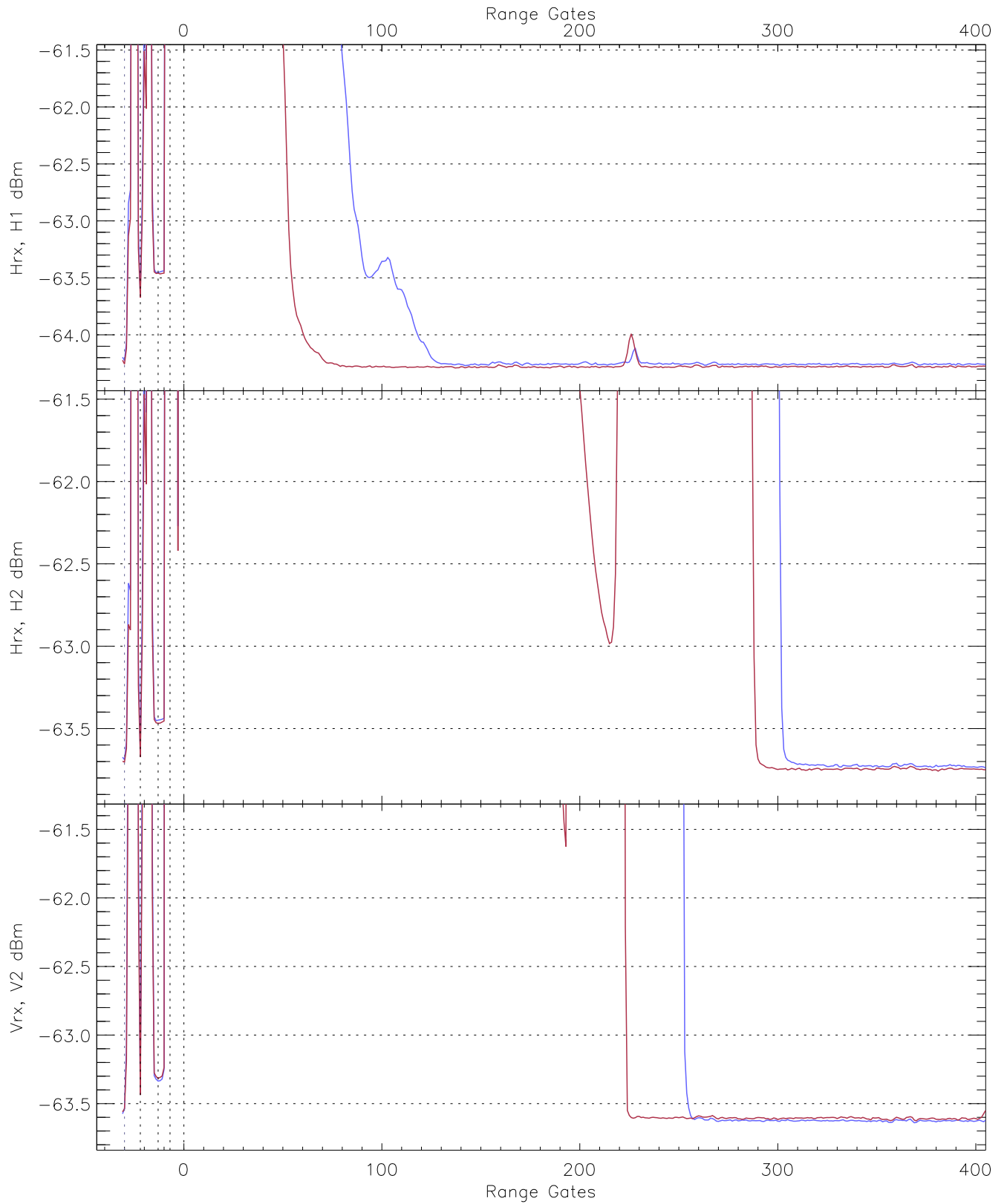
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -65.36 | -63.32 | -64.24 | -64.24 | -76.38 |
| Hrx, H2 (RM [dBm]) | -64.84 | -62.52 | -63.70 | -63.70 | -75.85 |
| Vrx, V2 (RM [dBm]) | -64.57 | -62.36 | -63.54 | -63.54 | -75.61 |



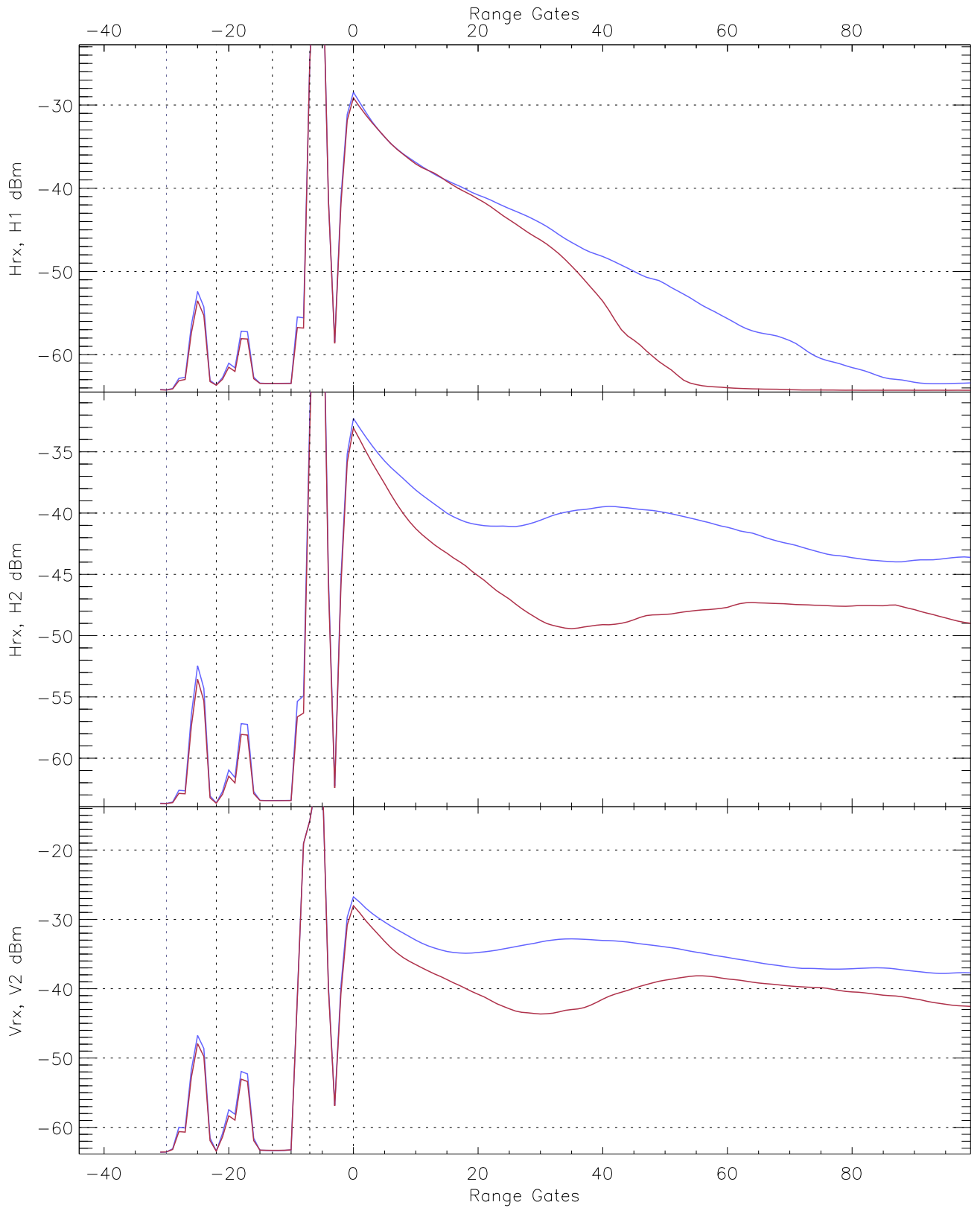
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG142_0 [dBm] | -65.38 | -63.42 | -64.28 | -64.29 | -76.42 |
| H2RG378_0 [dBm] | -64.85 | -62.65 | -63.74 | -63.75 | -75.89 |
| V2RG370_0 [dBm] | -64.68 | -62.71 | -63.63 | -63.64 | -75.73 |

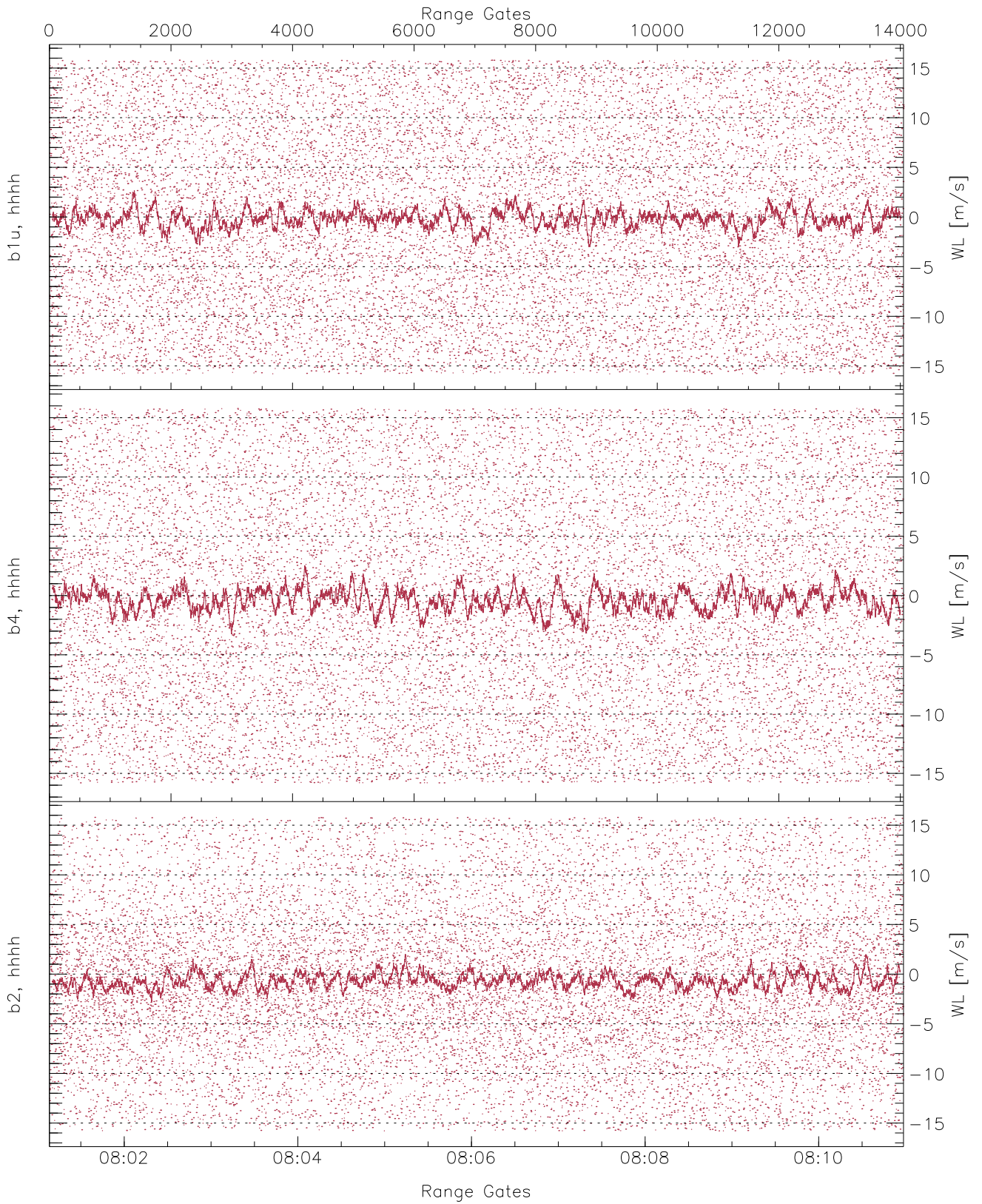


WCR2 CPP Averaged Received power for all recorded gates  
blue: 080108-080603, 7027 profiles averaged  
red: 080603-081059, 7027 profiles averaged

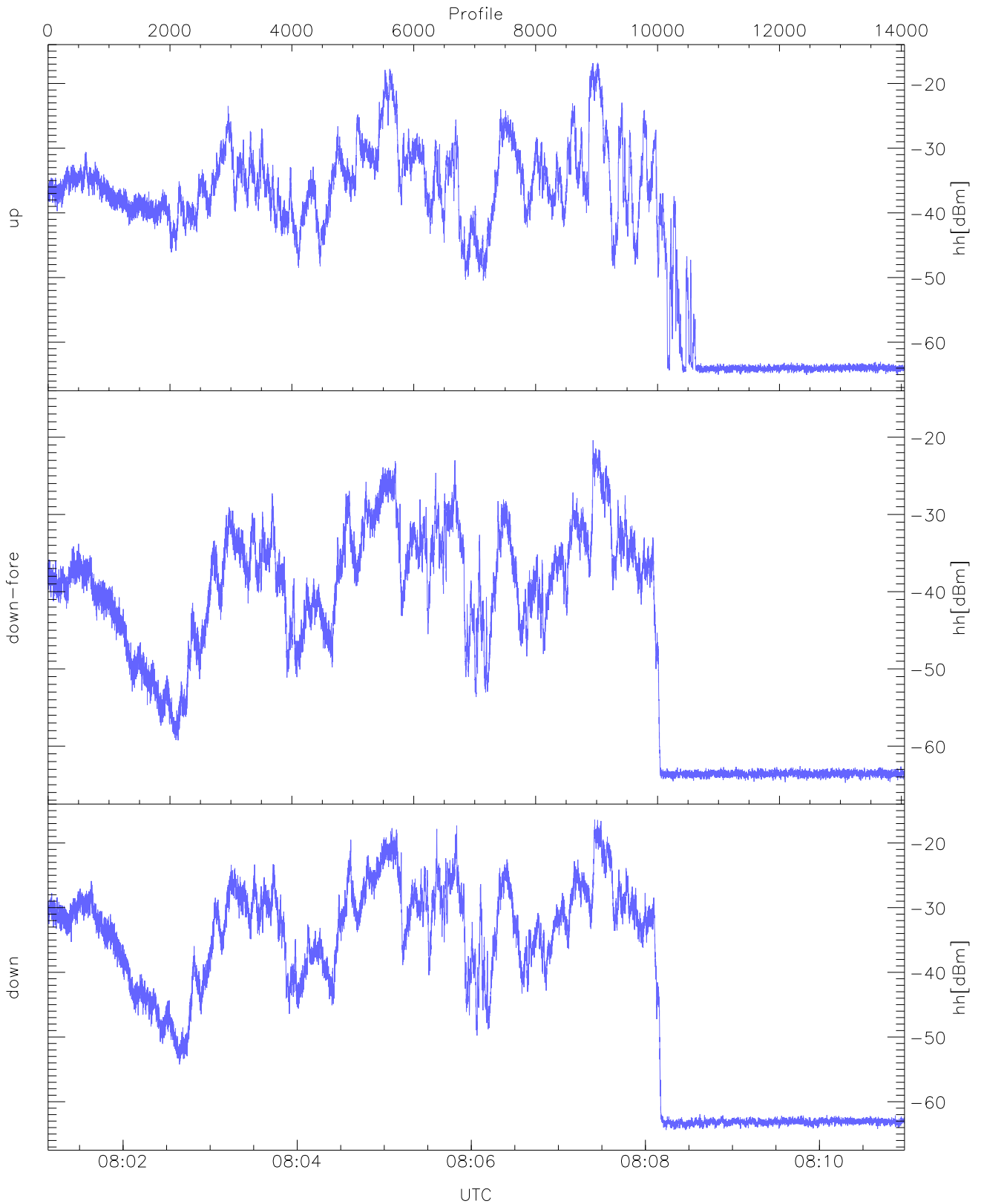




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 080108-080603, 7027 profiles averaged  
red: 080603-081059, 7027 profiles averaged

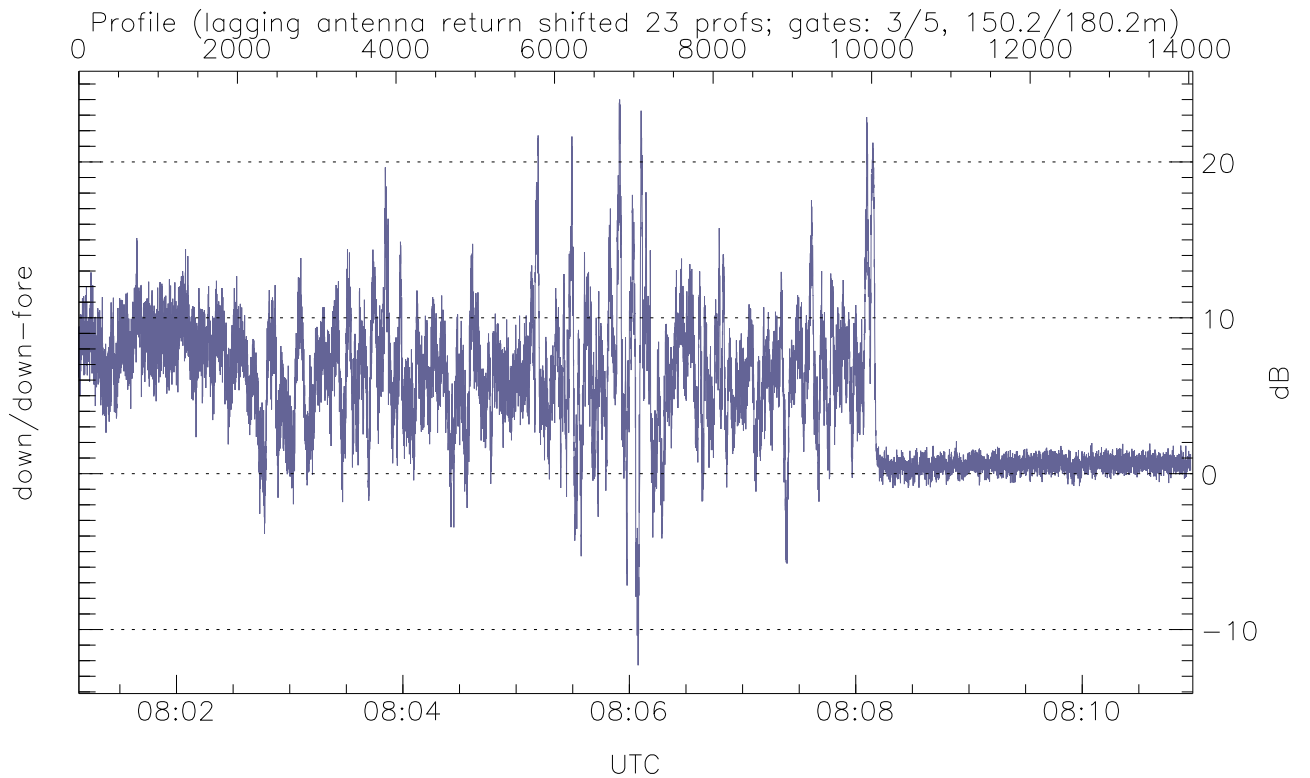
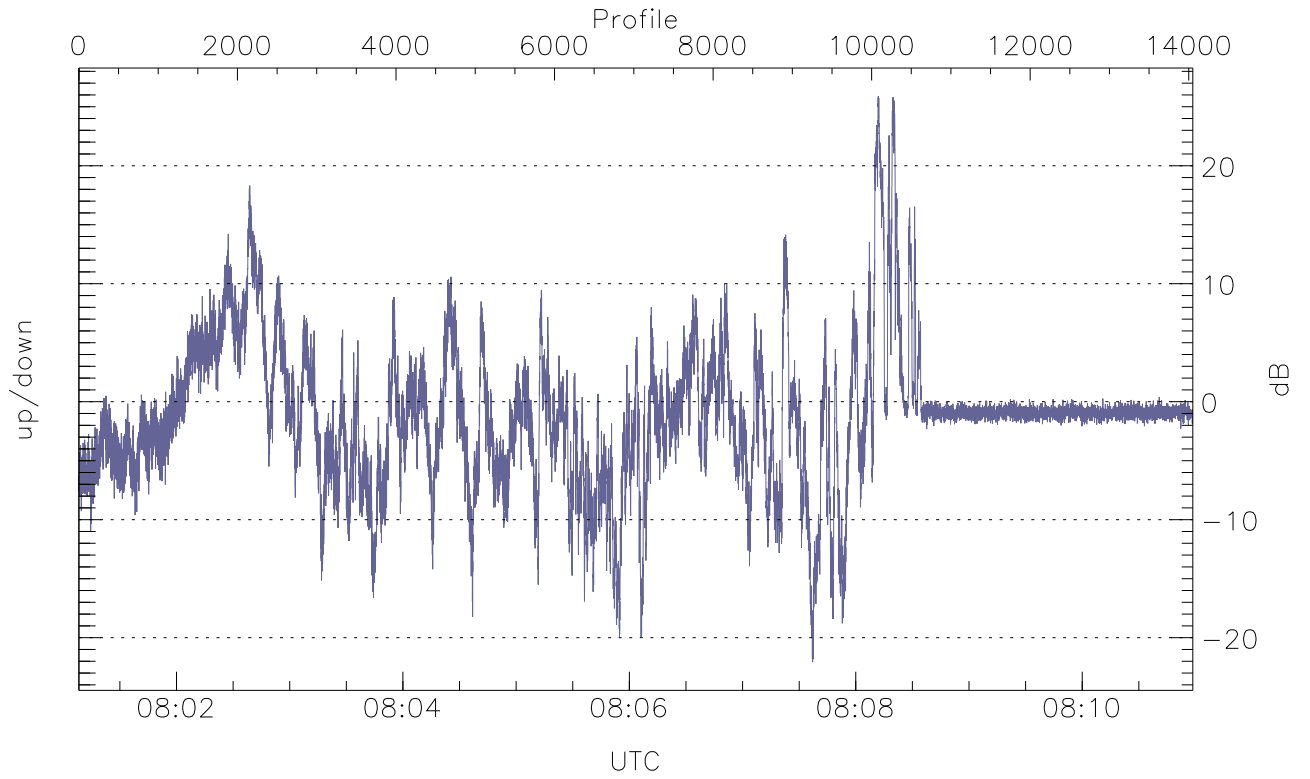


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



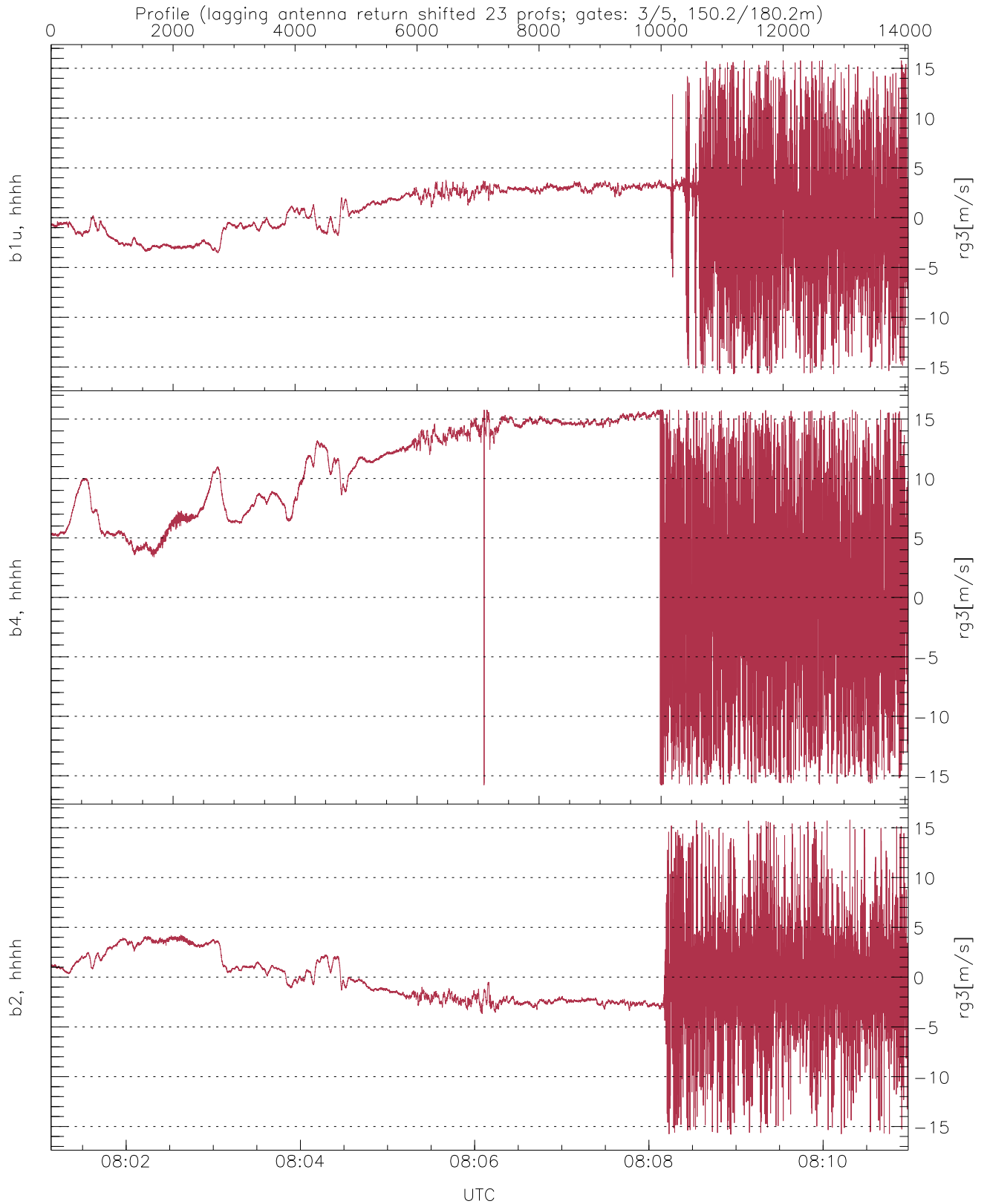
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

|                     | Min    | Max    | Mean   |
|---------------------|--------|--------|--------|
| up(hh [dBm])        | -65.07 | -16.81 | -32.07 |
| down-fore(hh [dBm]) | -64.74 | -20.39 | -35.14 |
| down(hh [dBm])      | -64.37 | -16.42 | -30.06 |



WCR2 Beam pairs Received Power Ratio(s)

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -22.07 | 25.88 | -1.26 |
| down/down-fore (dB) | -12.29 | 24.00 | 5.04  |



WCR2 CPP Doppler Velocity Products at 150.2 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.71 | 15.78 | 0.51  | 3.75  |
| b4, hhhh(rg3[m/s])  | -15.79 | 15.80 | 7.61  | 7.18  |
| b2, hhhh(rg3[m/s])  | -15.80 | 15.78 | -0.30 | 3.39  |