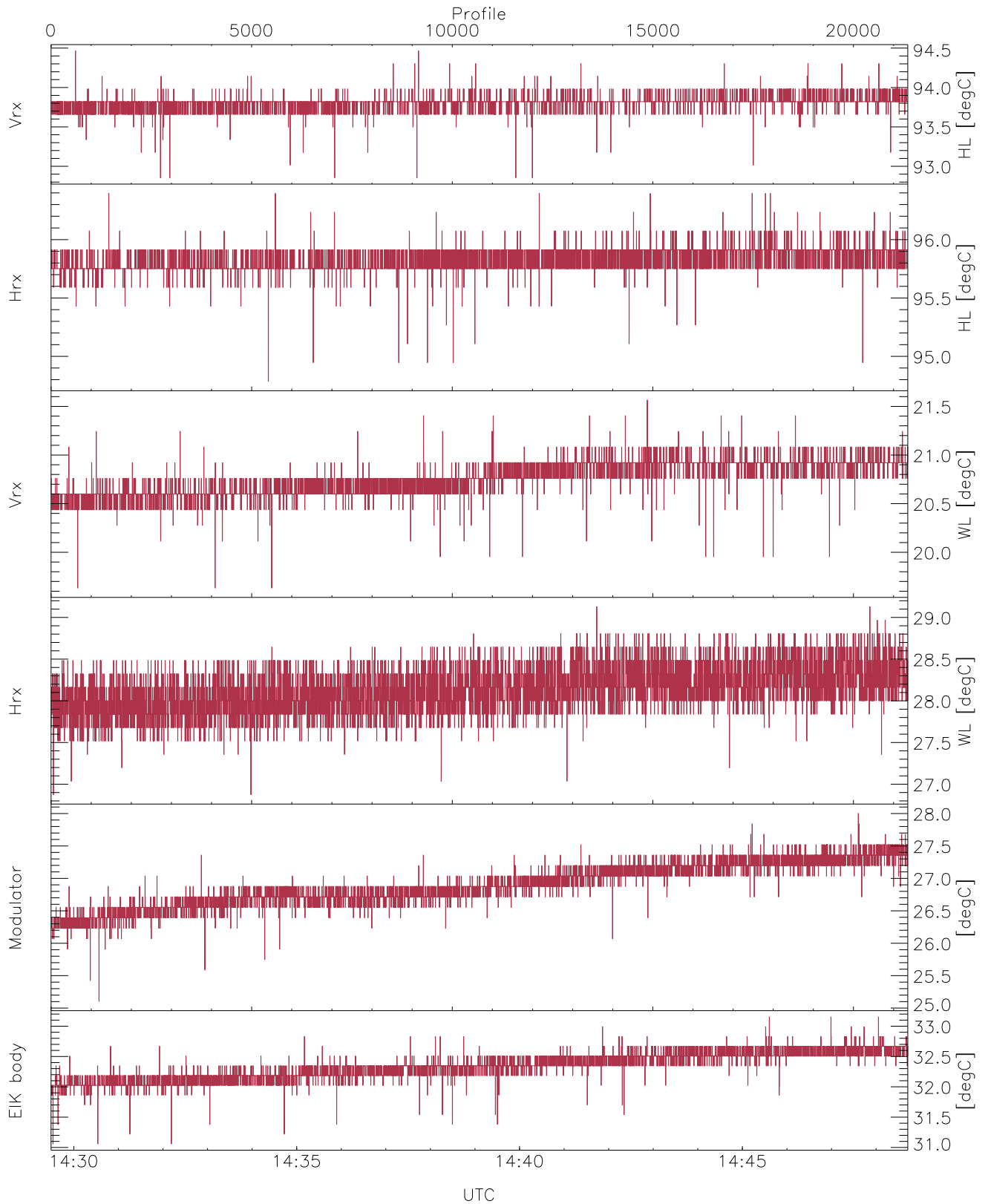


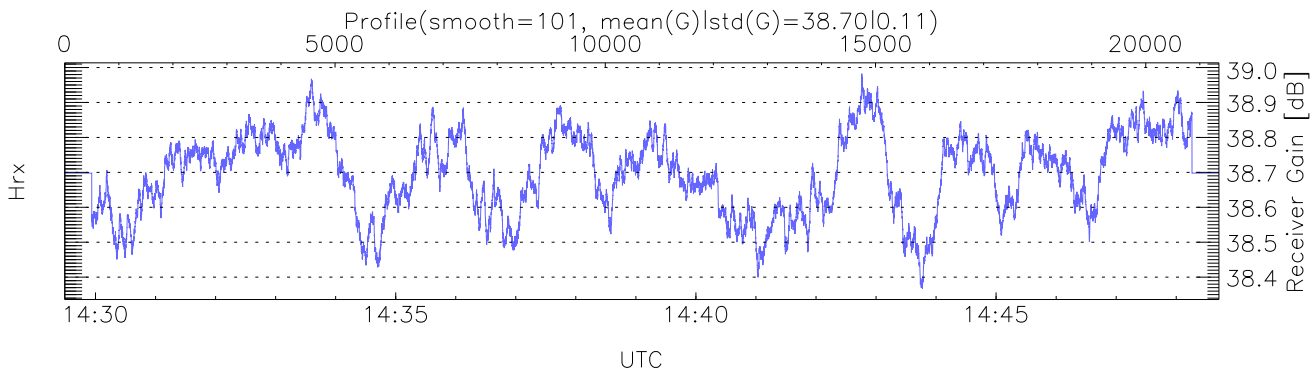
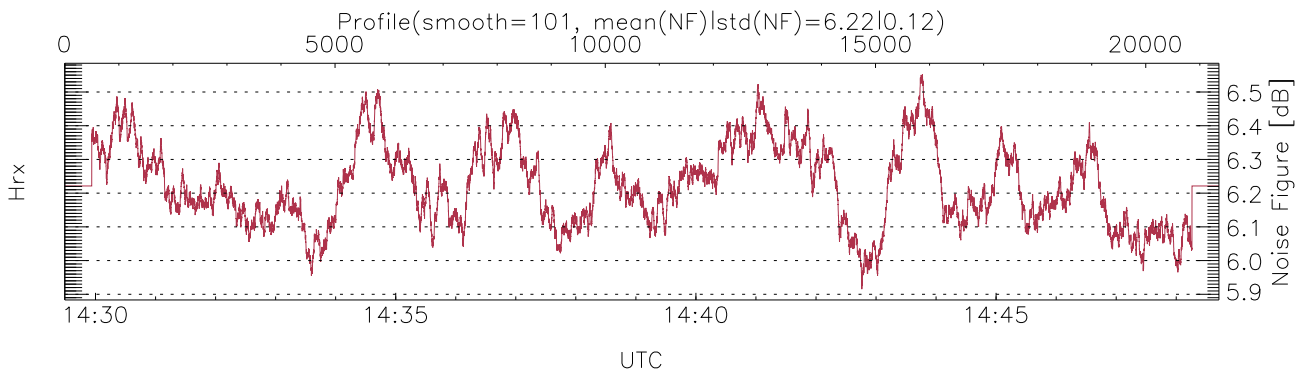
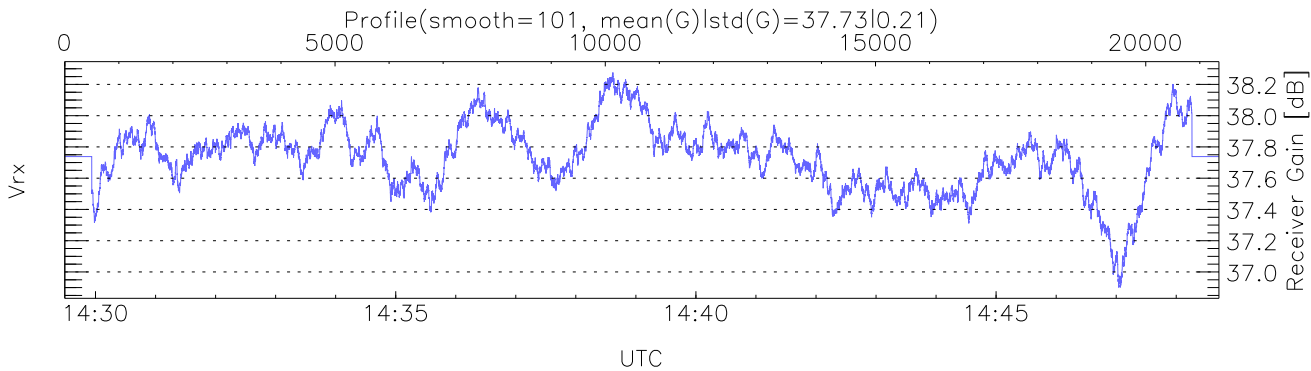
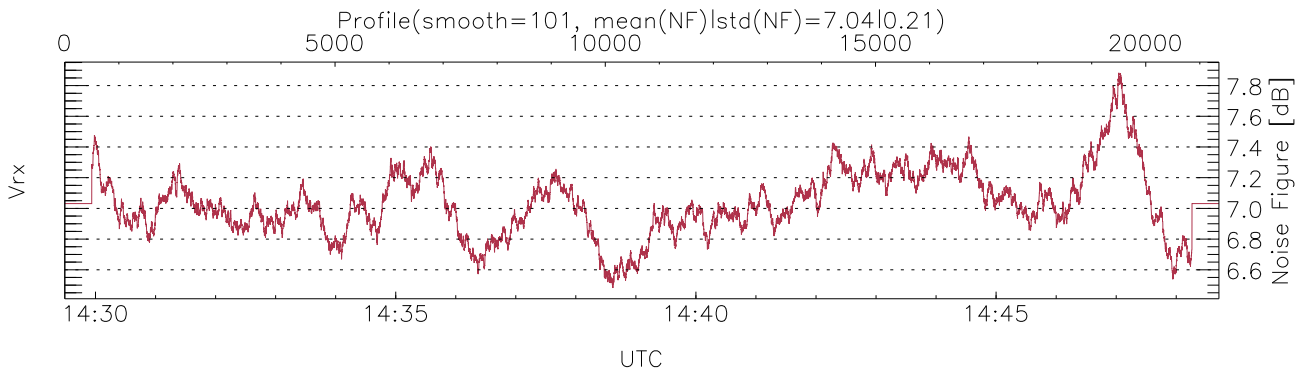
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 14:29:29-14:48:43, Dur: 1153.40s  
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant  
 TimeInt/PPS(min,max,mn,std): 54.0,54.0,54.0,0.0 ms / 19,19,19  
 NumRec(r/t): 21355/21355, 0-21354/14:29:29-14:48:43  
 AcqTime: 54.0ms, Rate: 287KB/s, Averages: 180  
 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): 105,6037,15.0 m, Gates: 396, Aspect: 3.1  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



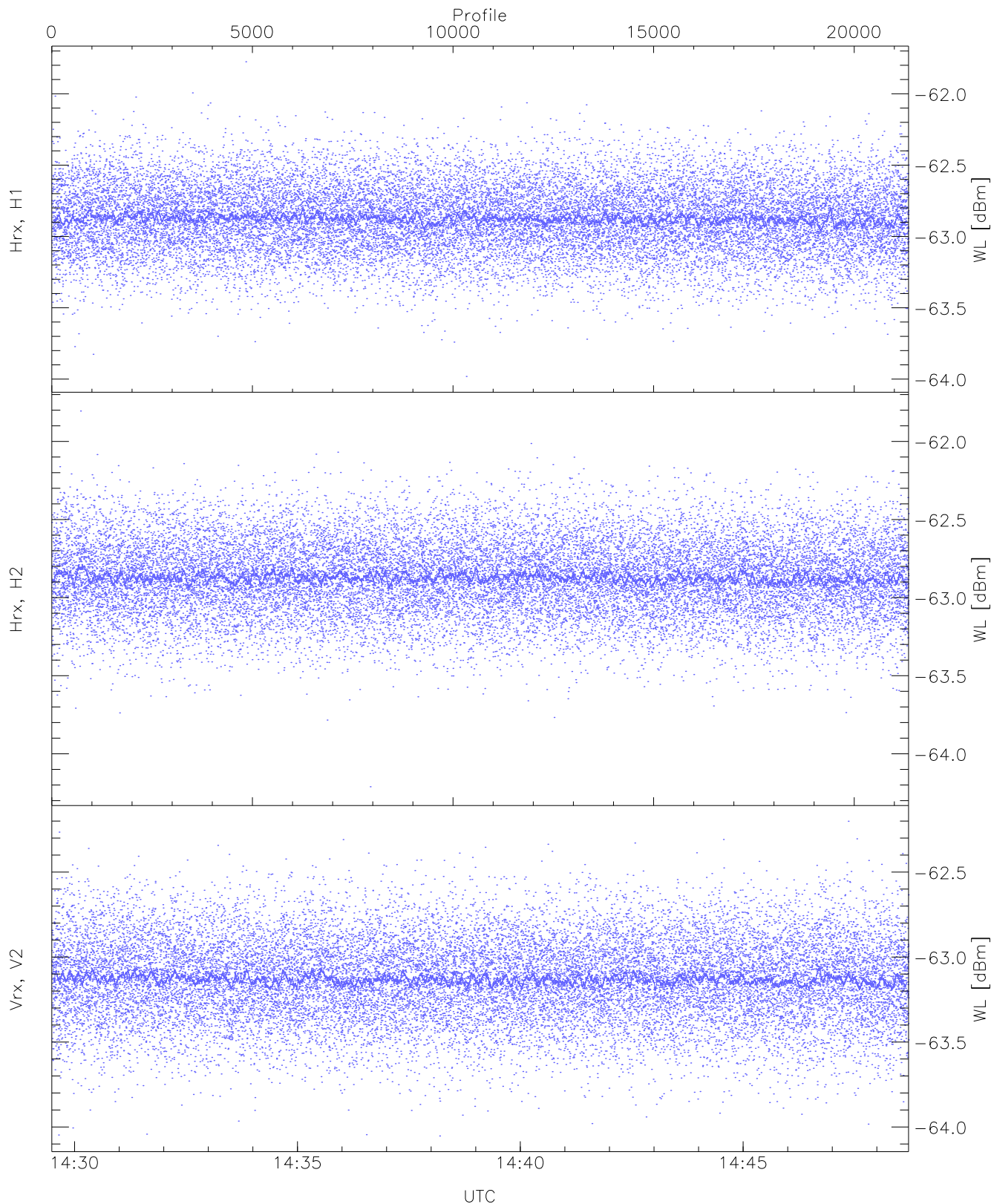
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,19,26,25,31  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,21,29,28,33  
LOalarm(20,80,240,2.8,14.8 MHz): None  
EIK Faults(# prof affected):  
HVPS (5)



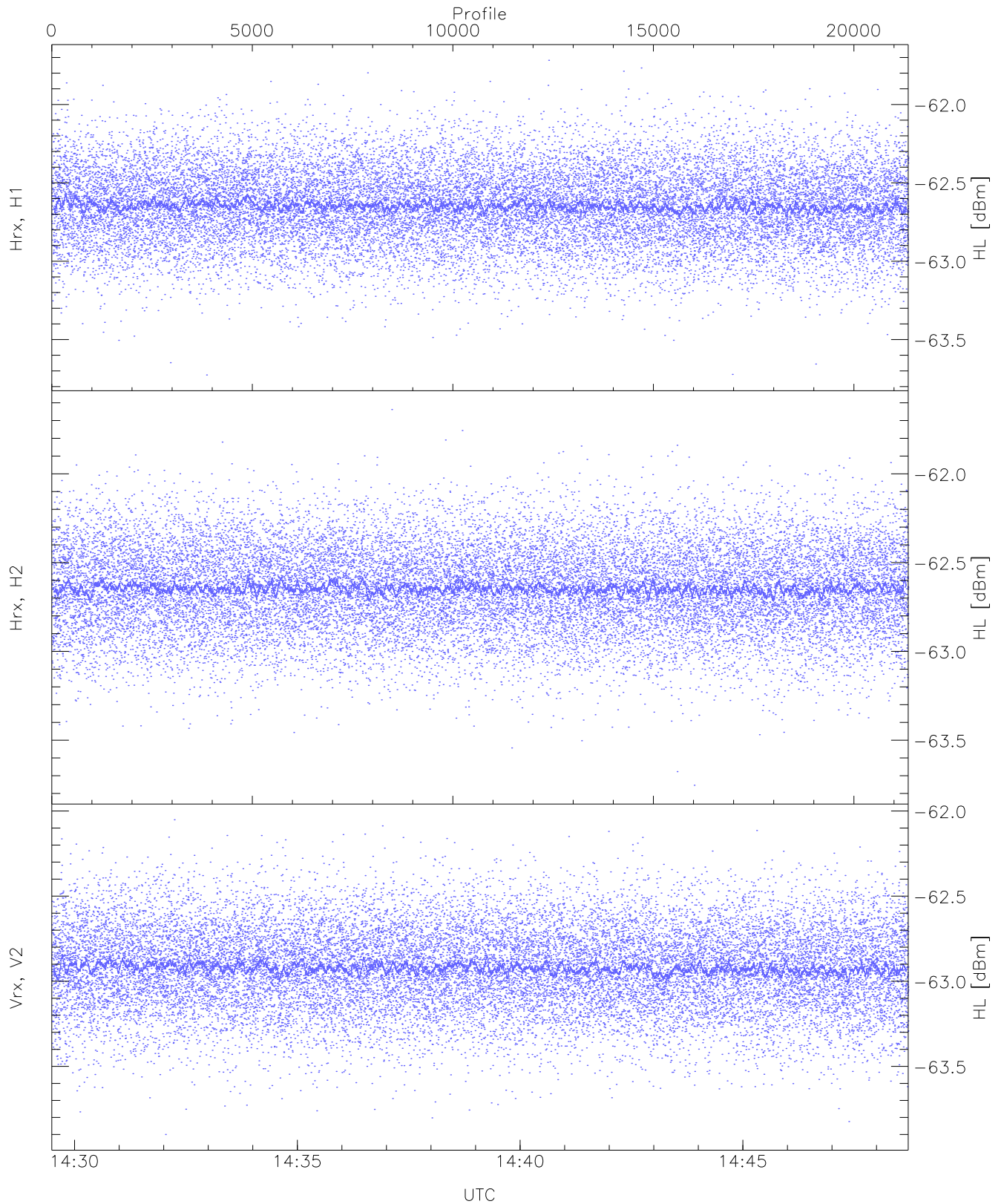
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 1989 pixs, 64 gates, 1944 profs, 2 prods



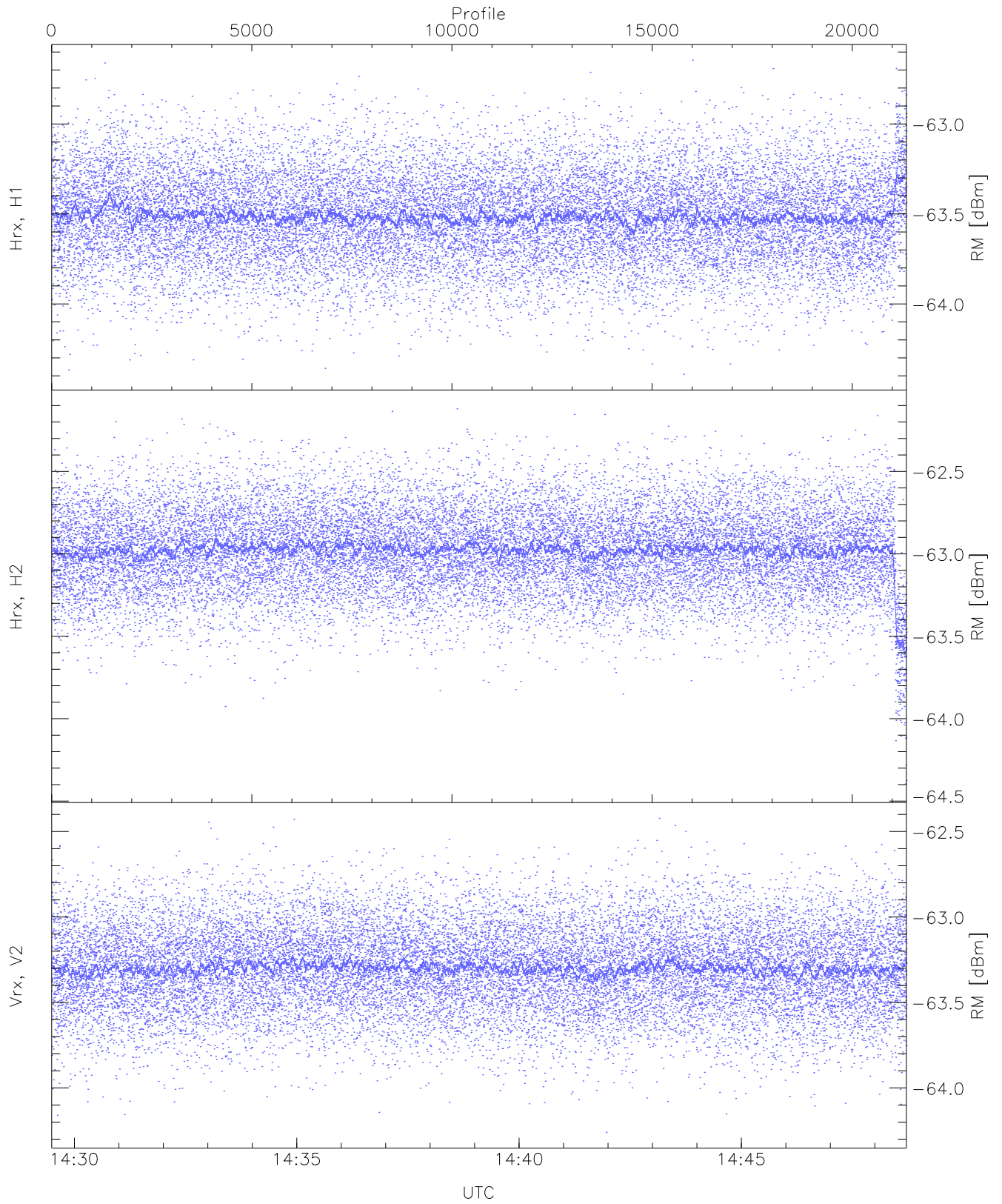
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.98 | -61.78 | -62.87 | -62.88 | -75.57 |
| Hrx, H2 (WL [dBm]) | -64.21 | -61.81 | -62.87 | -62.87 | -75.58 |
| Vrx, V2 (WL [dBm]) | -64.05 | -62.20 | -63.13 | -63.13 | -75.81 |



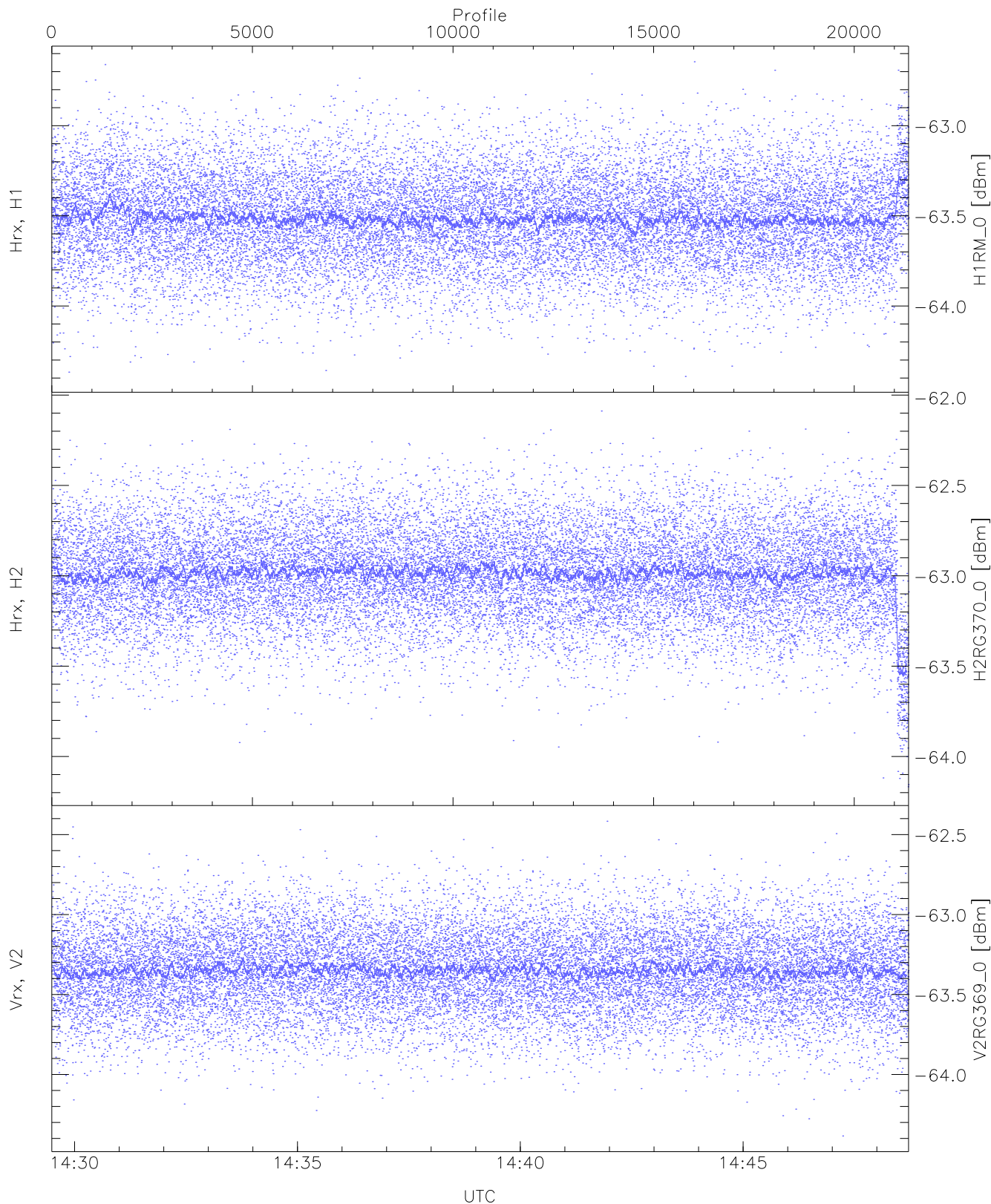
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.73 | -61.72 | -62.64 | -62.65 | -75.34 |
| Hrx, H2 (HL [dBm]) | -63.75 | -61.64 | -62.64 | -62.65 | -75.35 |
| Vrx, V2 (HL [dBm]) | -63.90 | -62.05 | -62.92 | -62.92 | -75.59 |



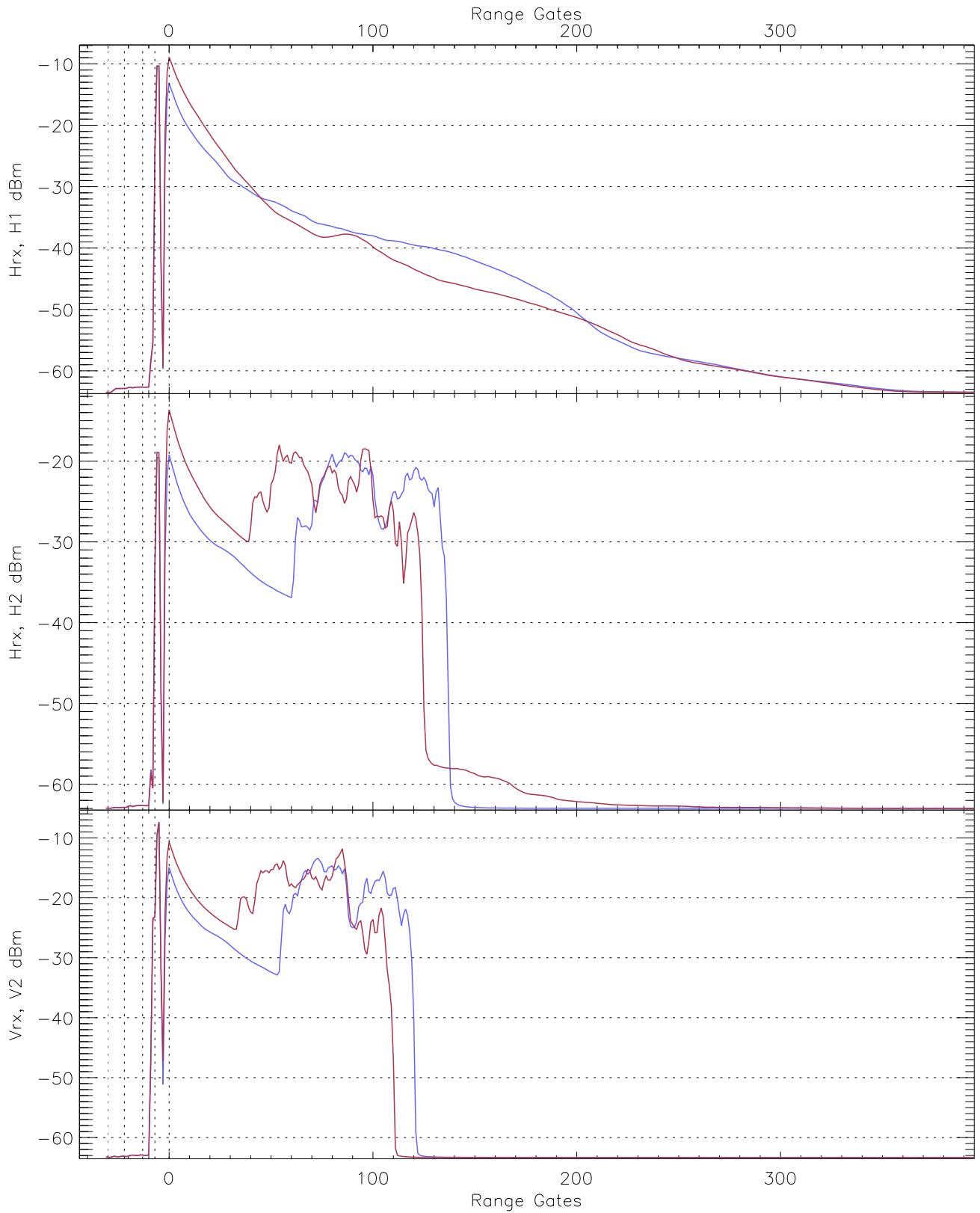
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.39 | -62.65 | -63.51 | -63.51 | -76.19 |
| Hrx, H2 (RM [dBm]) | -64.40 | -62.12 | -62.98 | -62.98 | -75.56 |
| Vrx, V2 (RM [dBm]) | -64.26 | -62.42 | -63.30 | -63.30 | -76.02 |



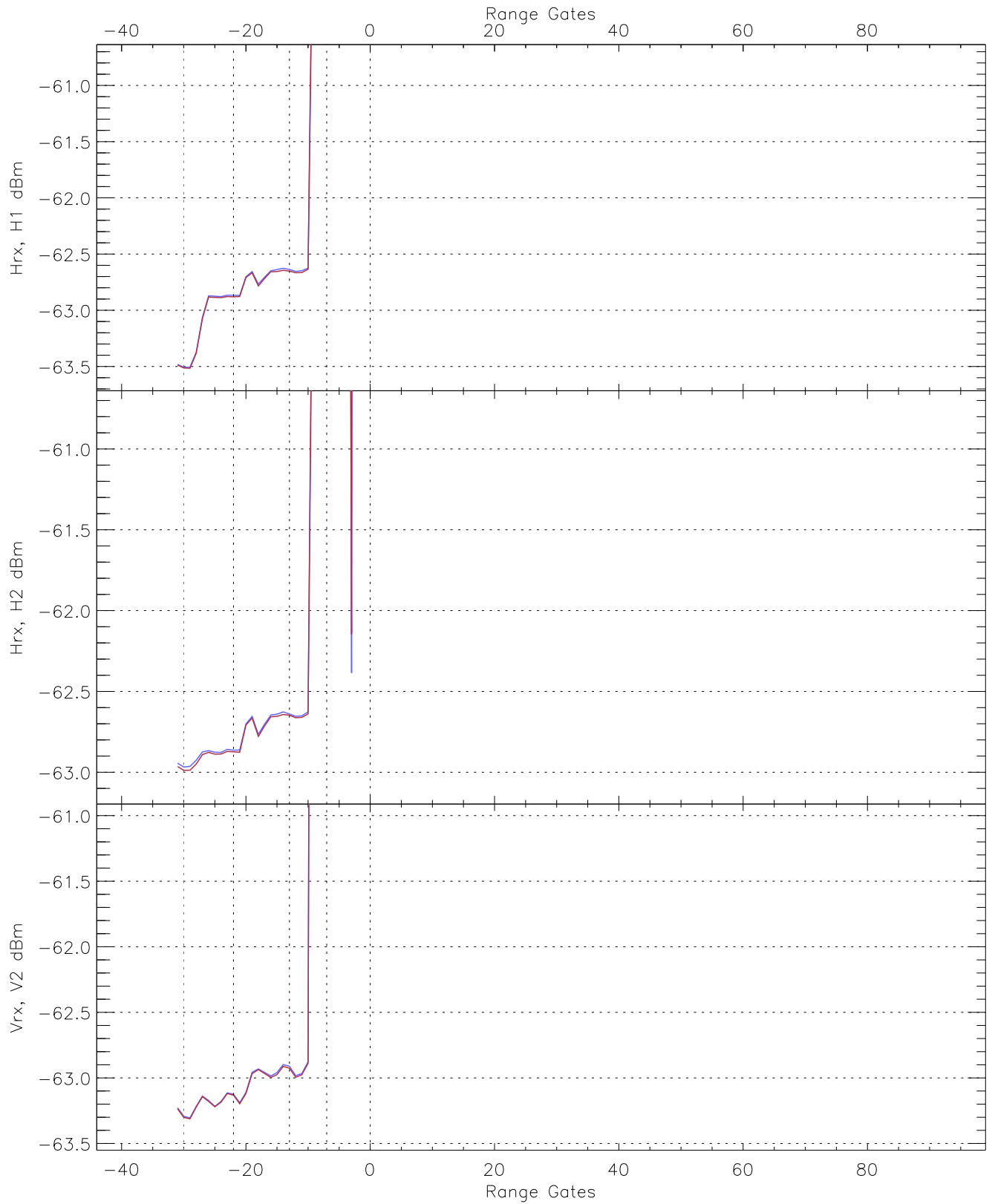
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RM_0 [dBm]    | -64.39 | -62.65 | -63.51 | -63.51 | -76.19 |
| H2RG370_0 [dBm] | -64.17 | -62.09 | -62.99 | -62.99 | -75.54 |
| V2RG369_0 [dBm] | -64.38 | -62.42 | -63.35 | -63.35 | -76.00 |

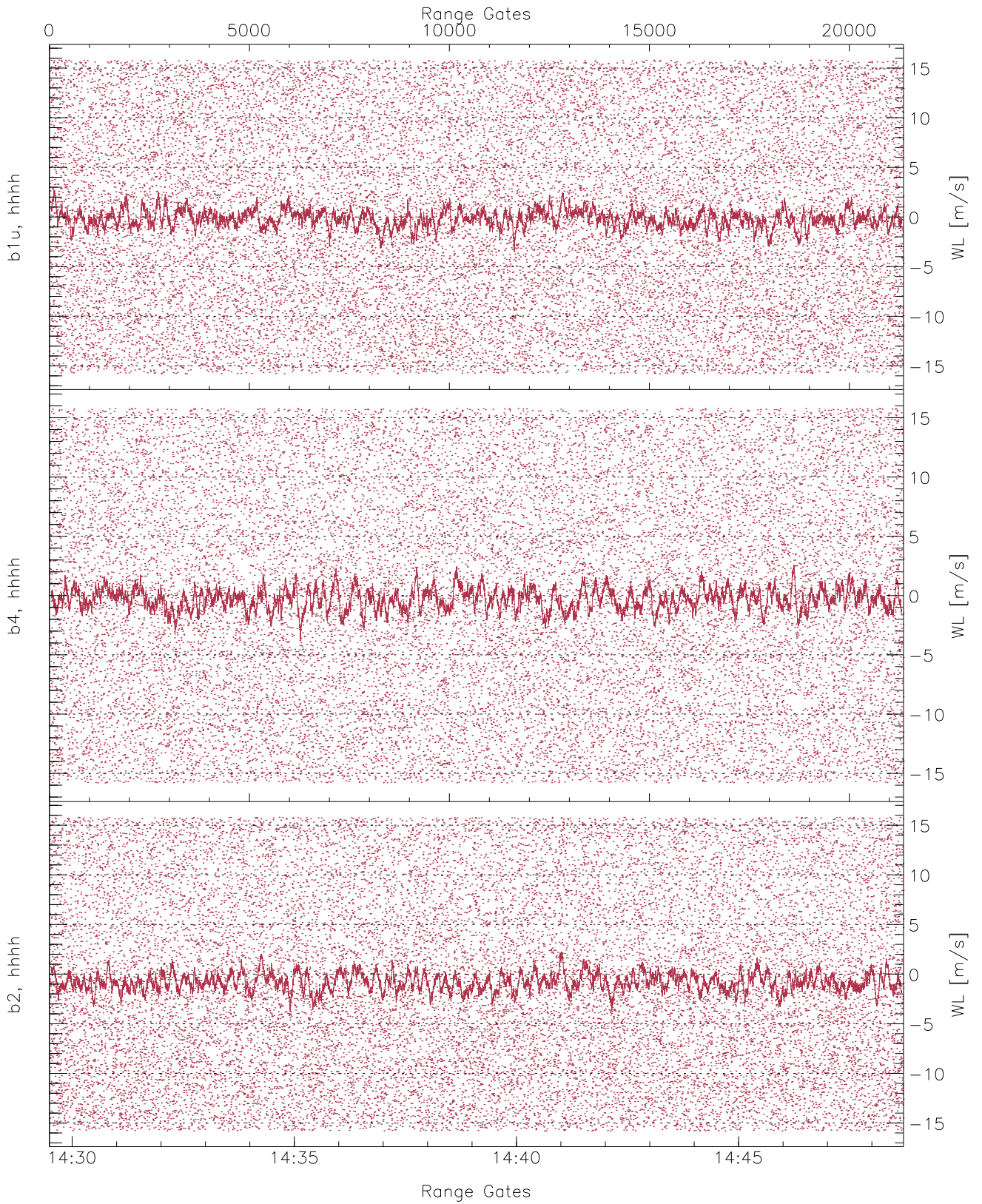


WCR2 CPP Averaged Received power for all recorded gates  
blue: 142929-143906, 10678 profiles averaged  
red: 143906-144843, 10678 profiles averaged

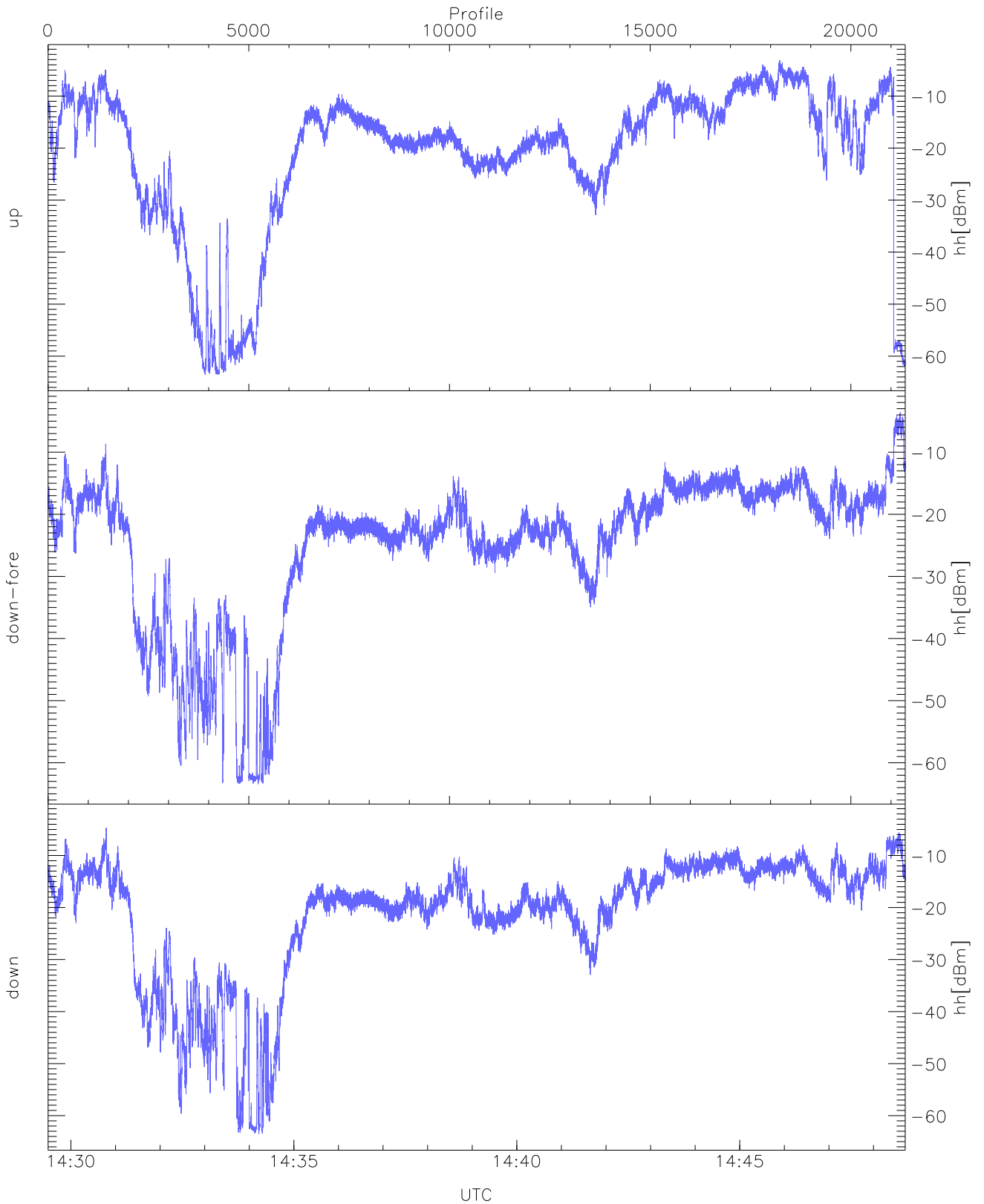




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 142929-143906, 10678 profiles averaged  
red: 143906-144843, 10678 profiles averaged

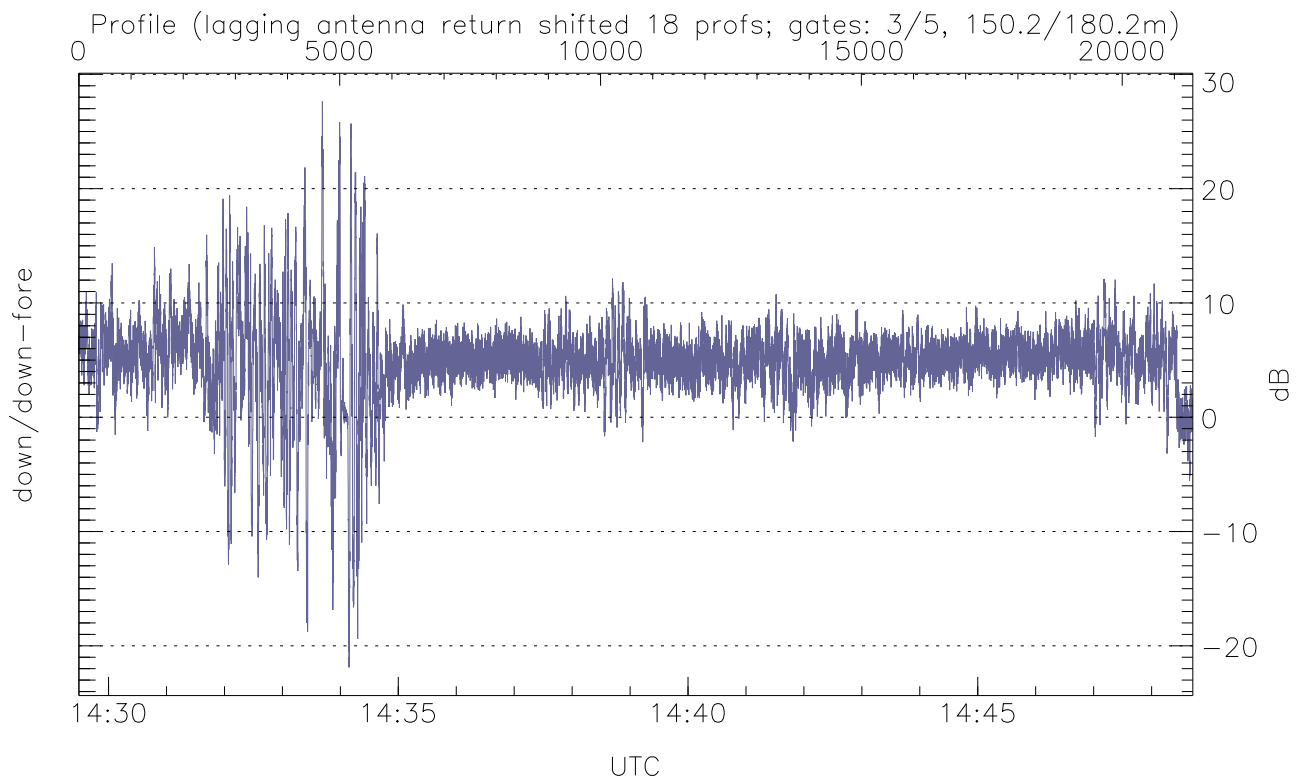
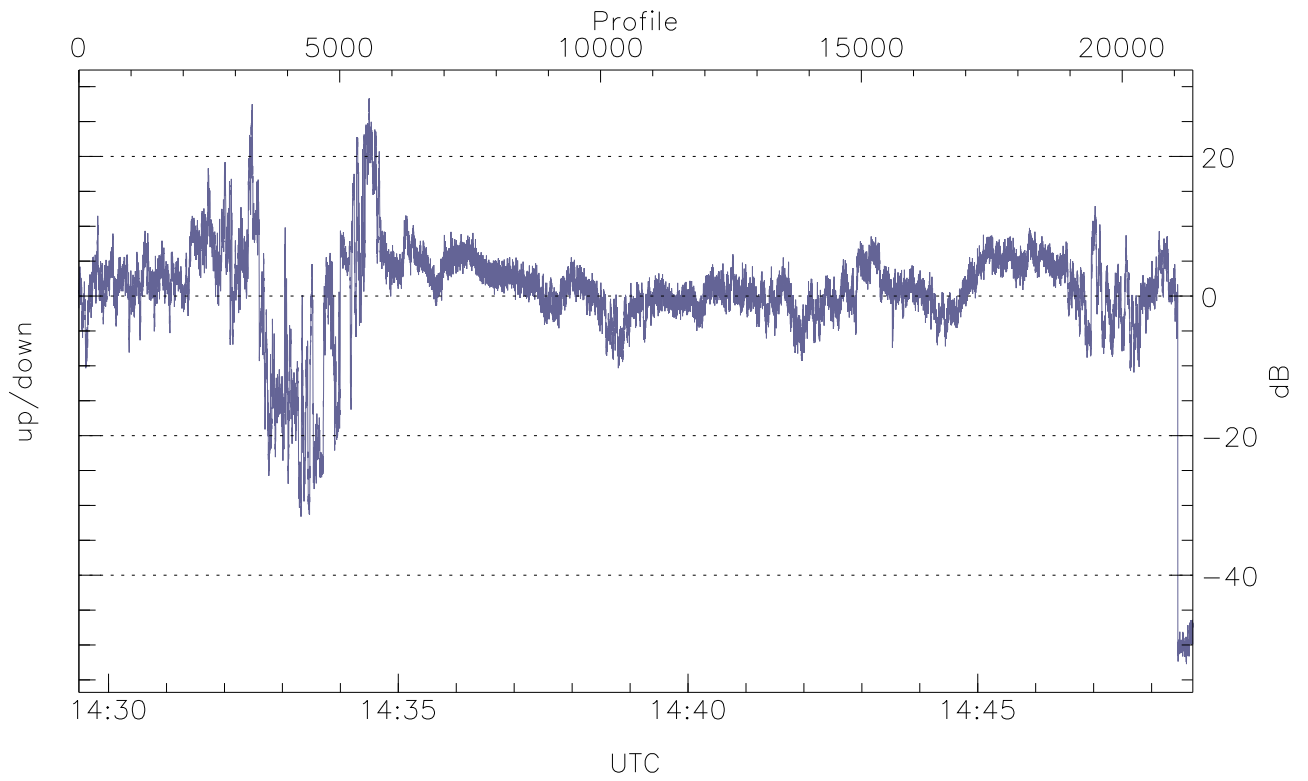


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



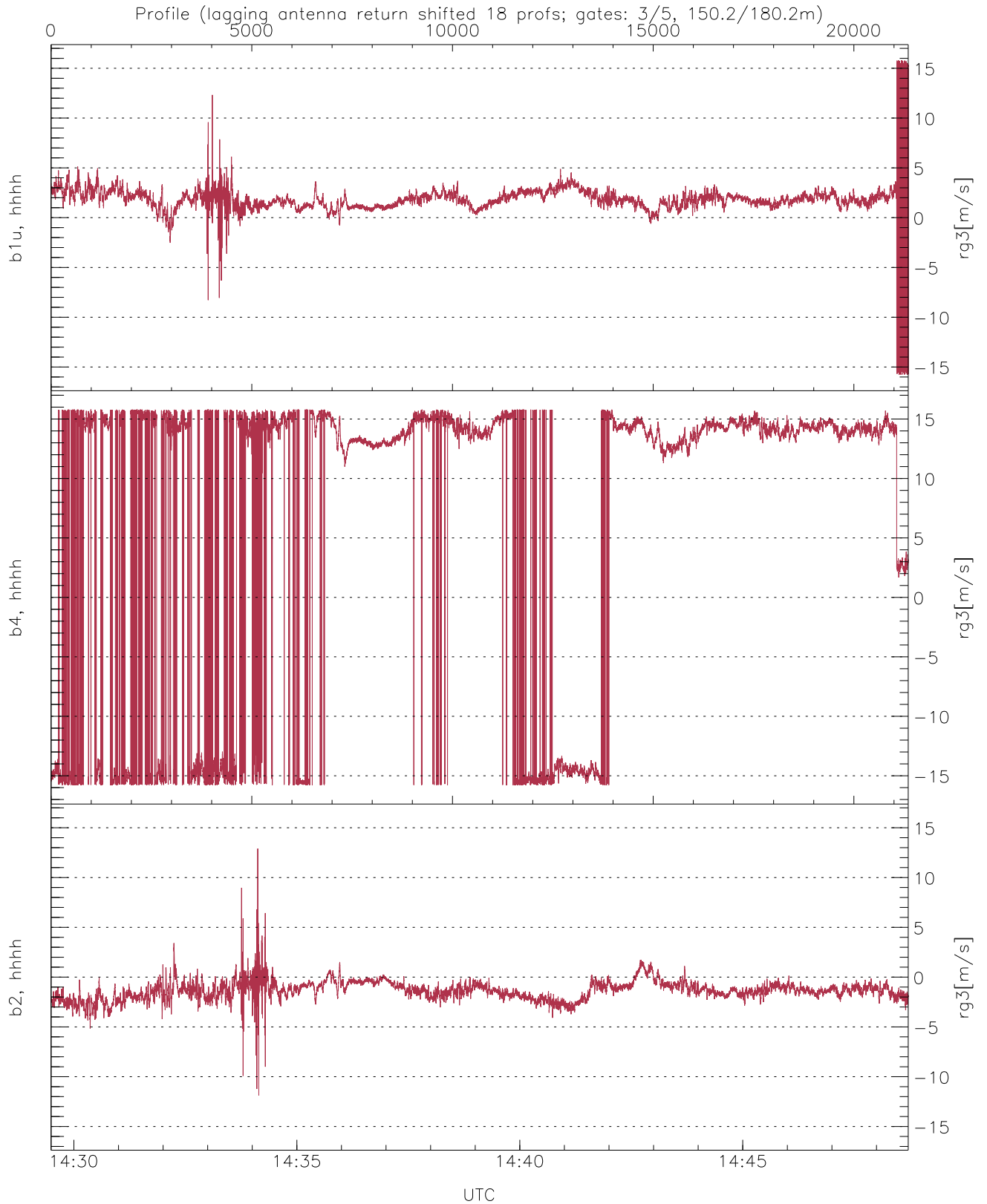
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

|                    | Min    | Max   | Mean   |
|--------------------|--------|-------|--------|
| up(hh[dBm])        | -63.62 | -3.13 | -13.24 |
| down-fore(hh[dBm]) | -63.44 | -3.59 | -18.35 |
| down(hh[dBm])      | -63.56 | -4.66 | -15.35 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 3 (150 m)

|                     | Min    | Max   | Mean |
|---------------------|--------|-------|------|
| up/down (dB)        | -52.73 | 28.33 | 0.30 |
| down/down-fore (dB) | -21.88 | 27.62 | 4.89 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.76 | 15.79 | 1.75  | 1.98  |
| b4, hhhh(rg3[m/s])  | -15.80 | 15.80 | 7.10  | 12.52 |
| b2, hhhh(rg3[m/s])  | -11.88 | 12.91 | -1.34 | 0.92  |