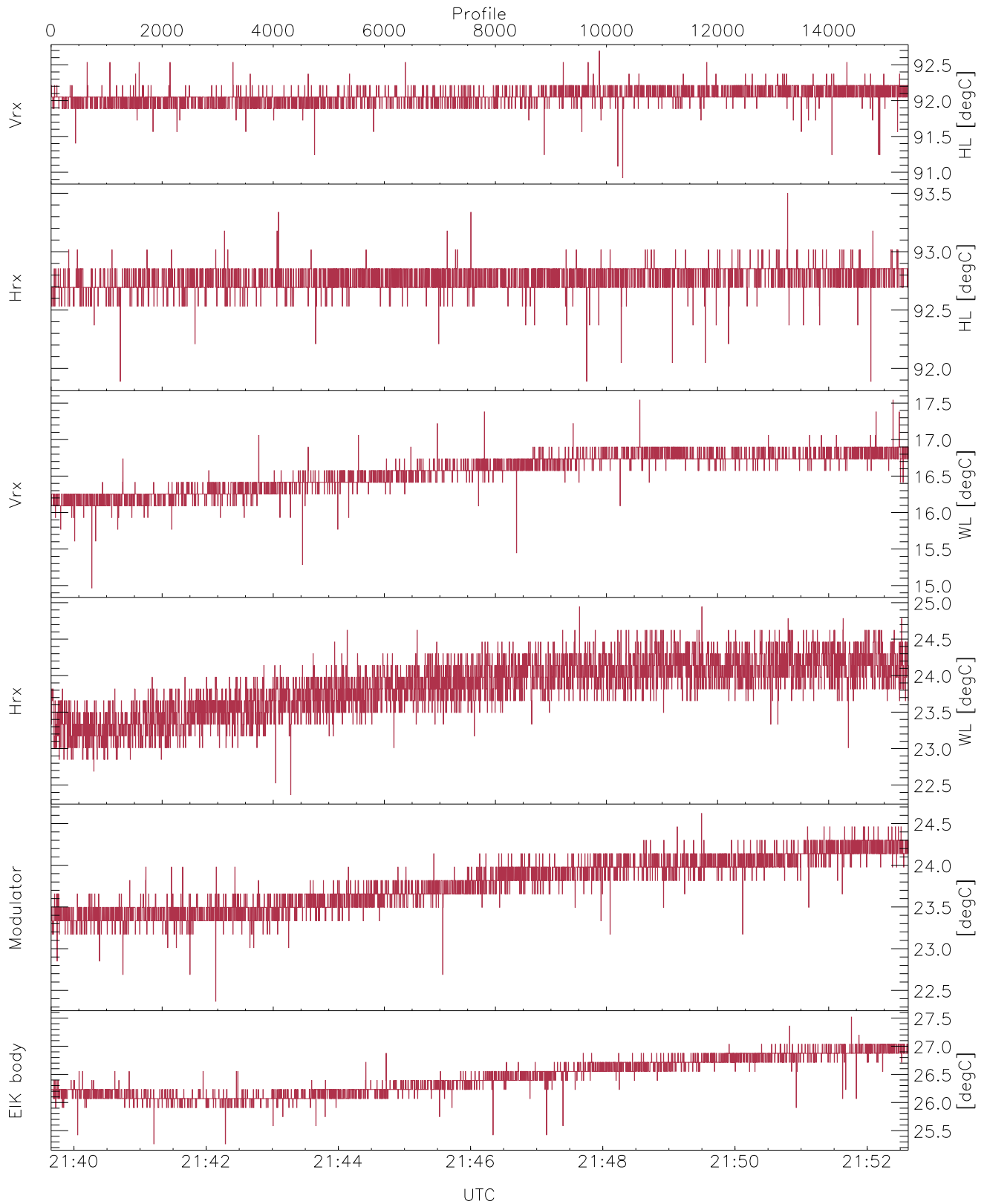


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

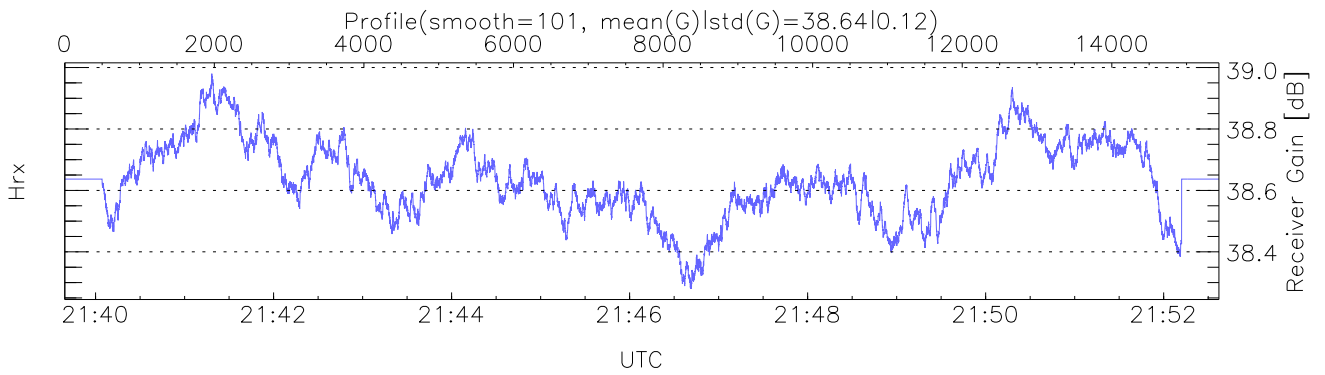
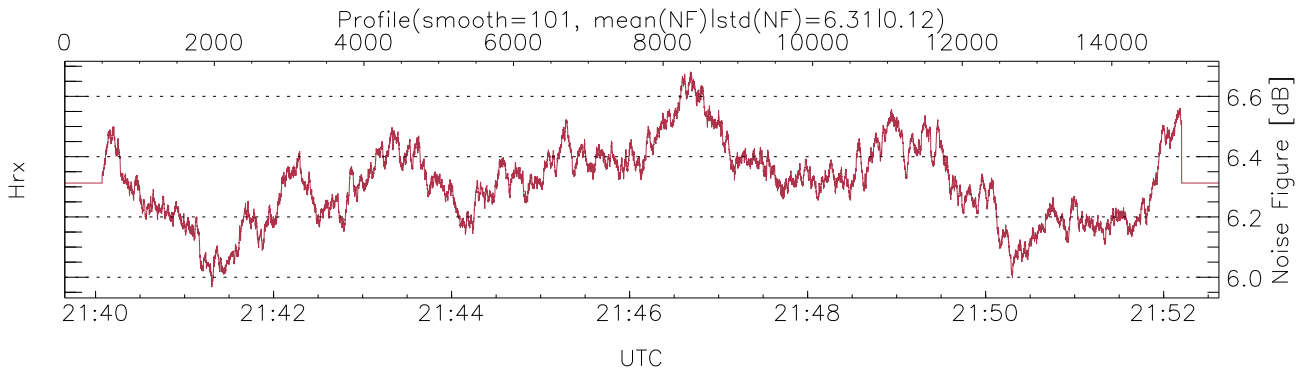
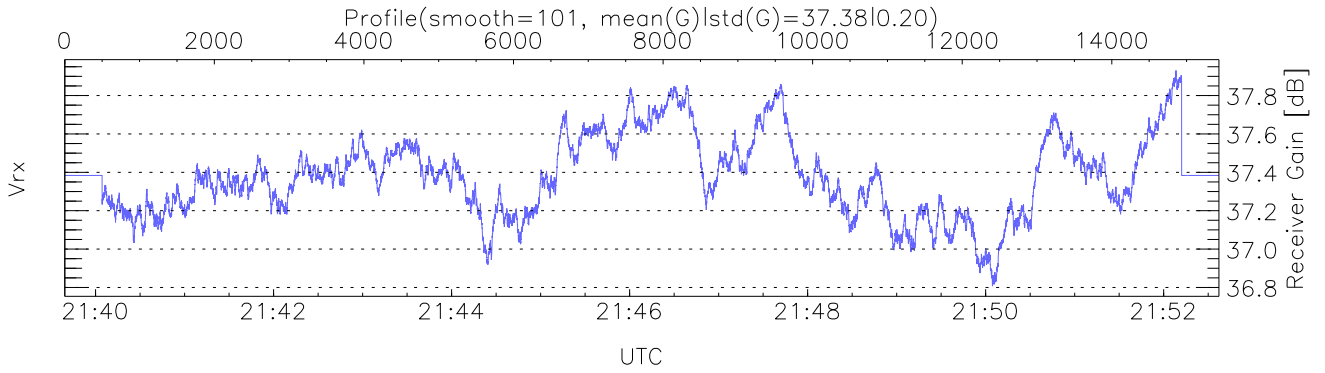
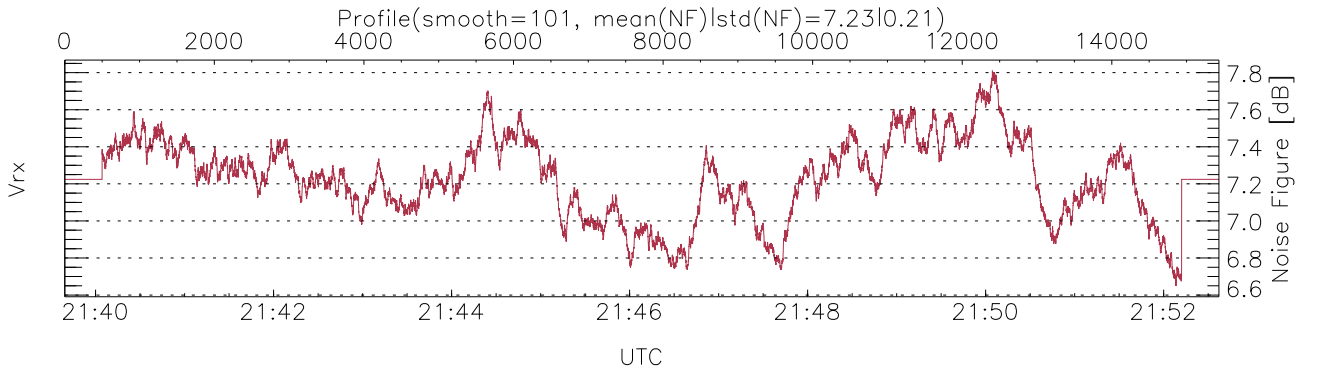
UTC: 21:39:39-21:52:37, Dur: 778.02s  
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant  
 TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20  
 NumRec(r/t): 15434/15434, 0-15433/21:39:39-21:52:37  
 AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168  
 Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 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

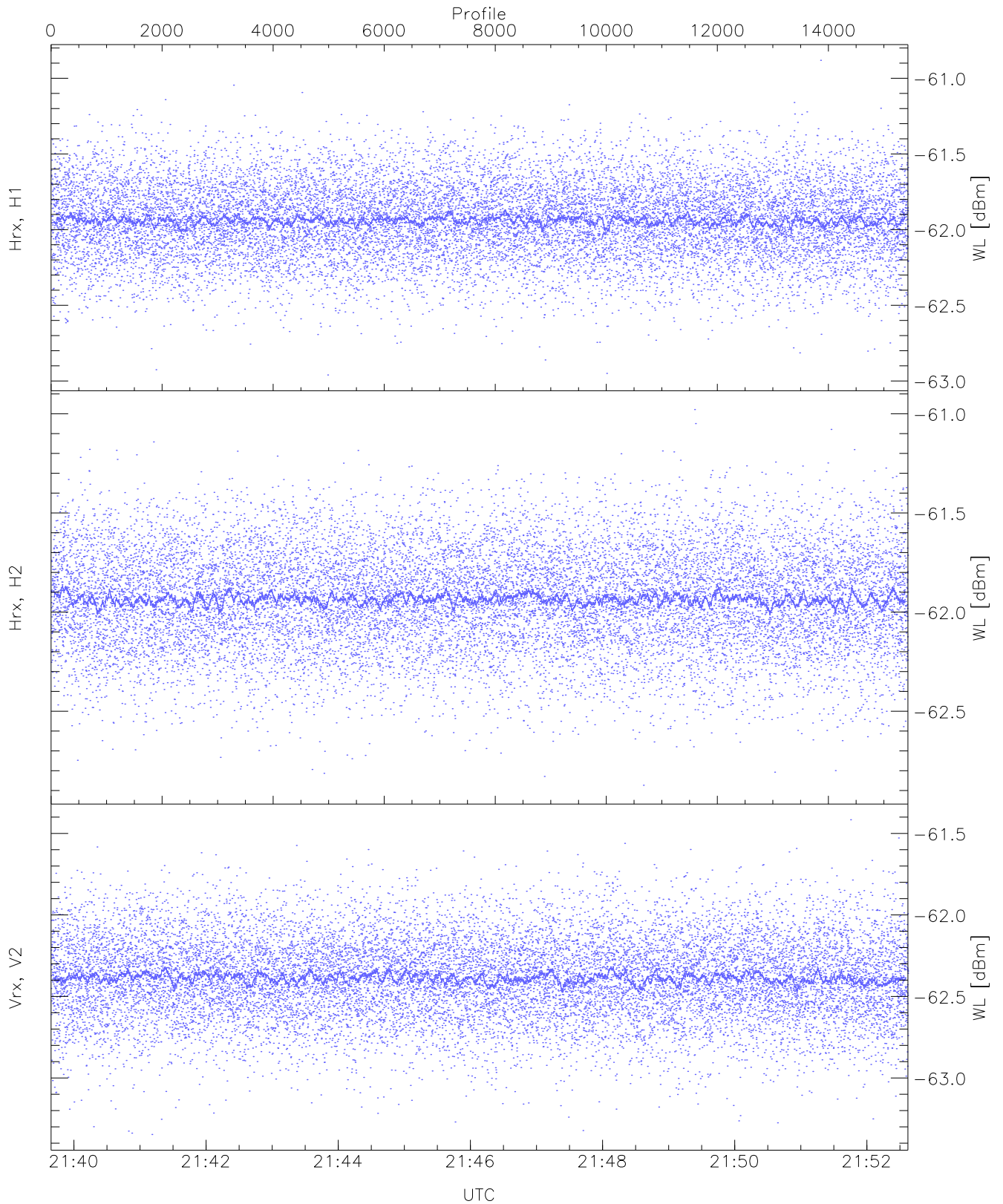
`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,14,22,22,25`  
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,17,24,24,27`  
`LOalarm(20,80,240,2.8,14.8 MHz): None`

`EIK Faults(# prof affected):`  
`DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (22,22,27,27,27,5)`



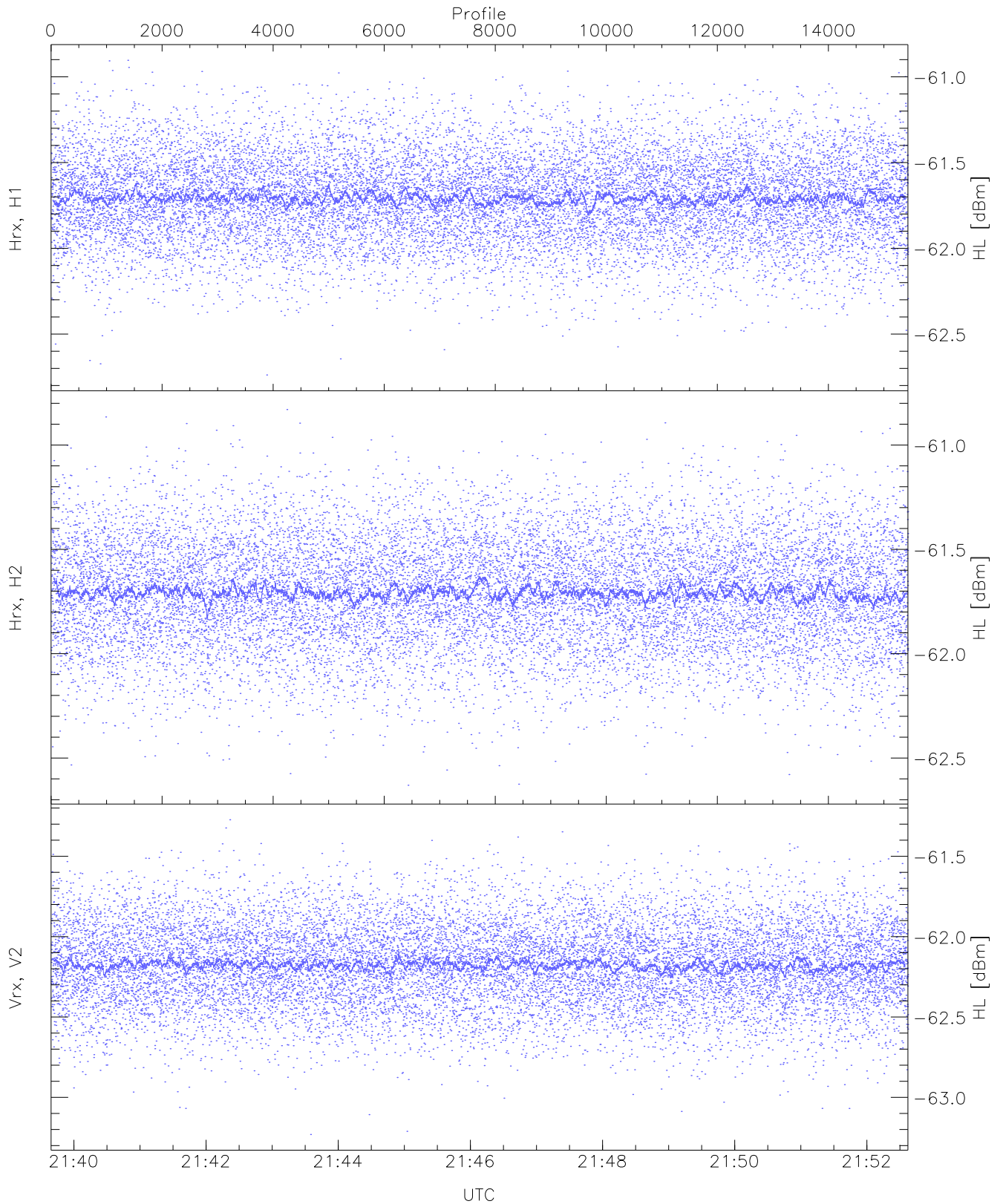
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 3759 pixs, 27 gates, 3214 profs, 2 prods



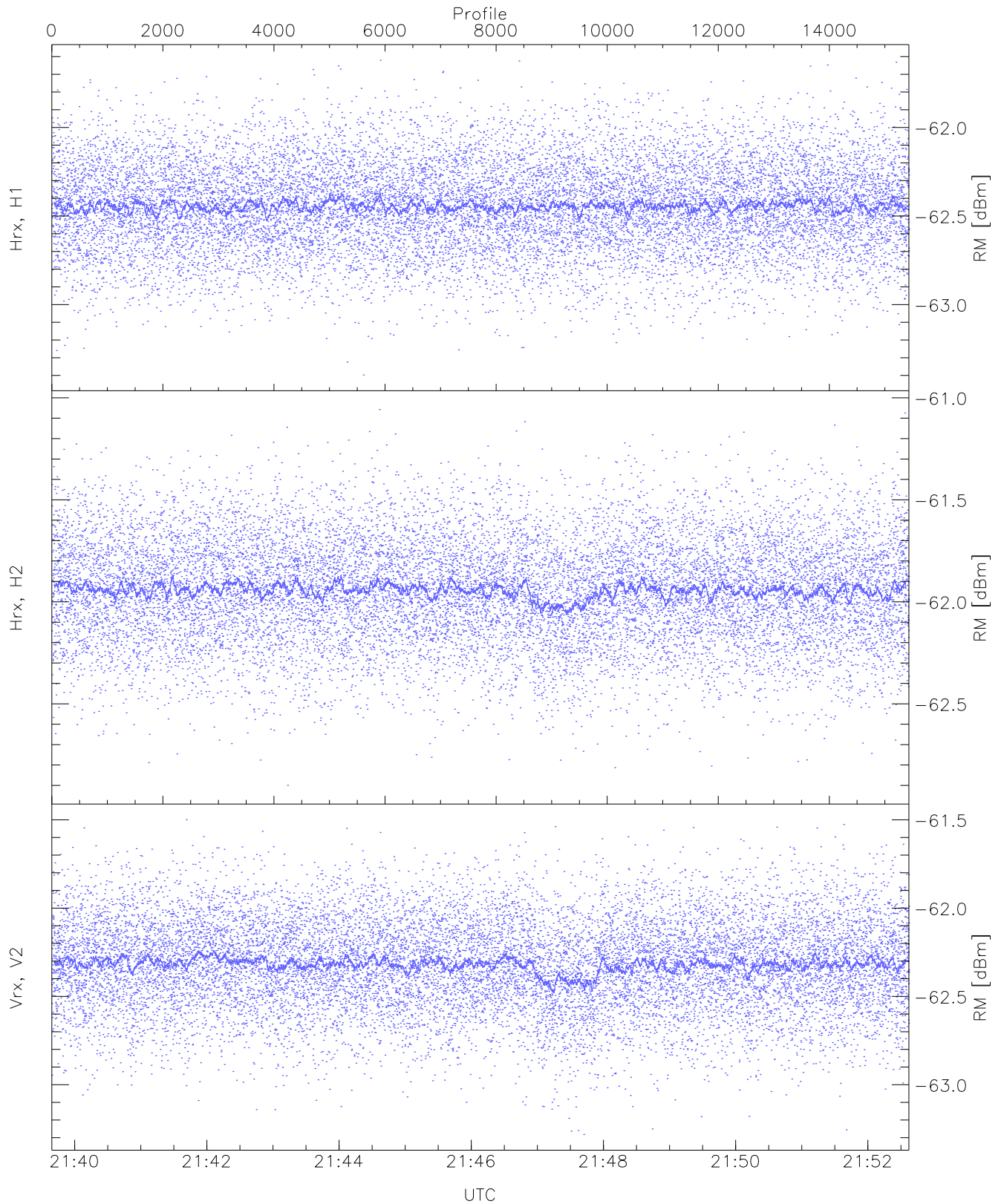
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -62.96 | -60.88 | -61.93 | -61.94 | -74.49 |
| Hrx, H2 (WL [dBm]) | -62.87 | -60.98 | -61.93 | -61.93 | -74.52 |
| Vrx, V2 (WL [dBm]) | -63.35 | -61.42 | -62.38 | -62.39 | -74.93 |



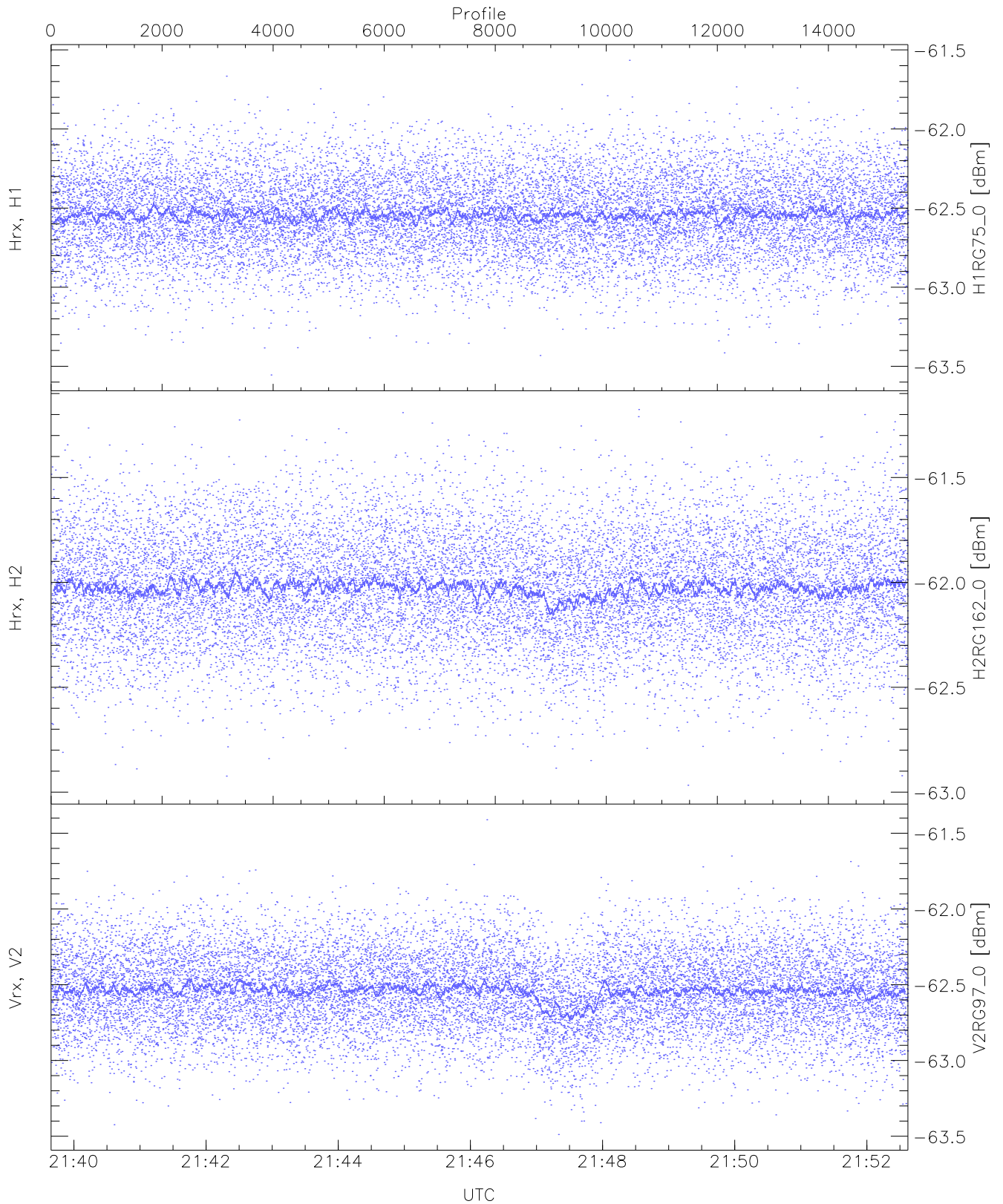
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.74 | -60.90 | -61.70 | -61.71 | -74.33 |
| Hrx, H2 (HL [dBm]) | -62.63 | -60.83 | -61.70 | -61.71 | -74.26 |
| Vrx, V2 (HL [dBm]) | -63.23 | -61.27 | -62.17 | -62.18 | -74.72 |



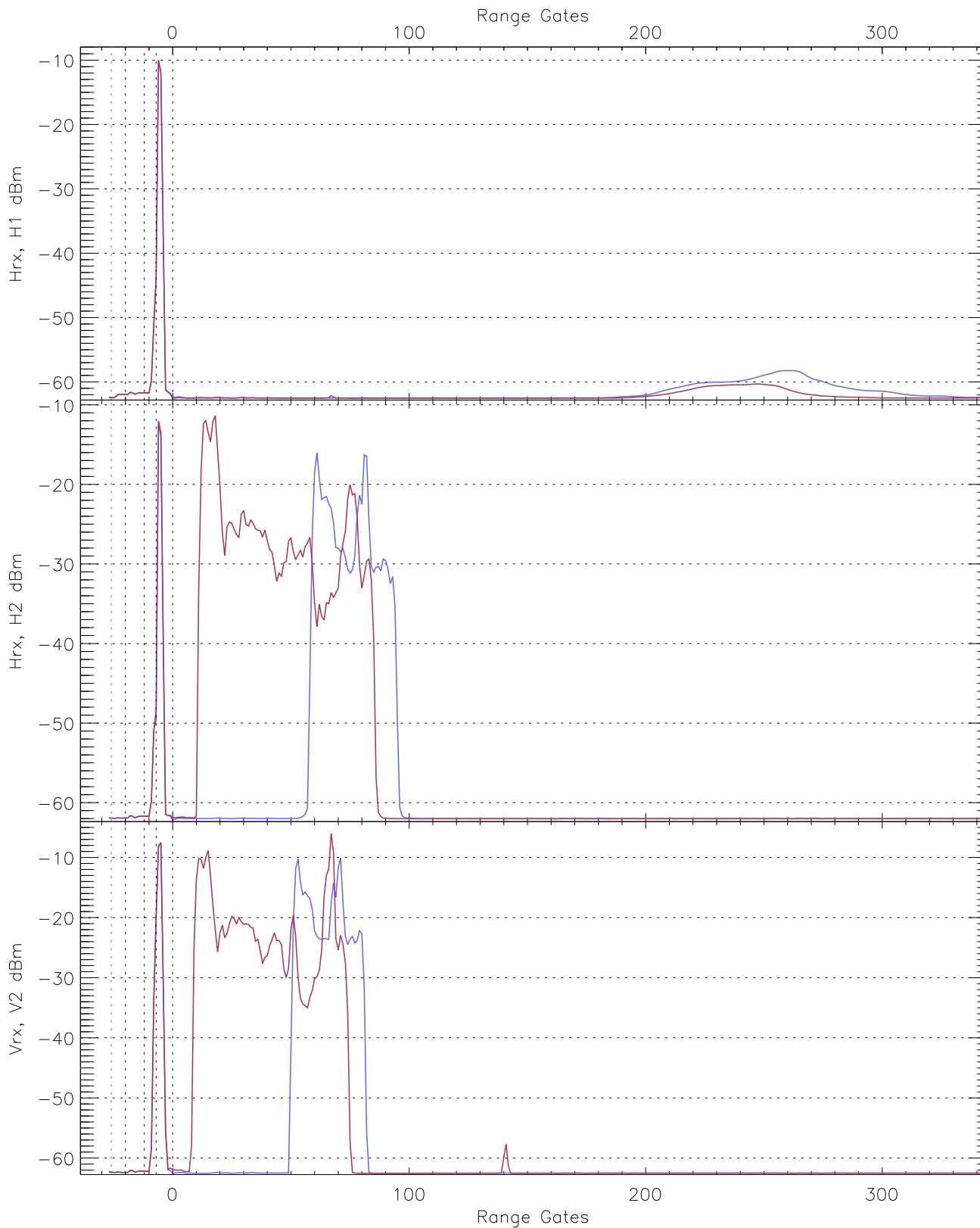
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.40 | -61.62 | -62.44 | -62.44 | -75.03 |
| Hrx, H2 (RM [dBm]) | -62.90 | -61.06 | -61.94 | -61.94 | -74.46 |
| Vrx, V2 (RM [dBm]) | -63.28 | -61.50 | -62.32 | -62.32 | -74.80 |



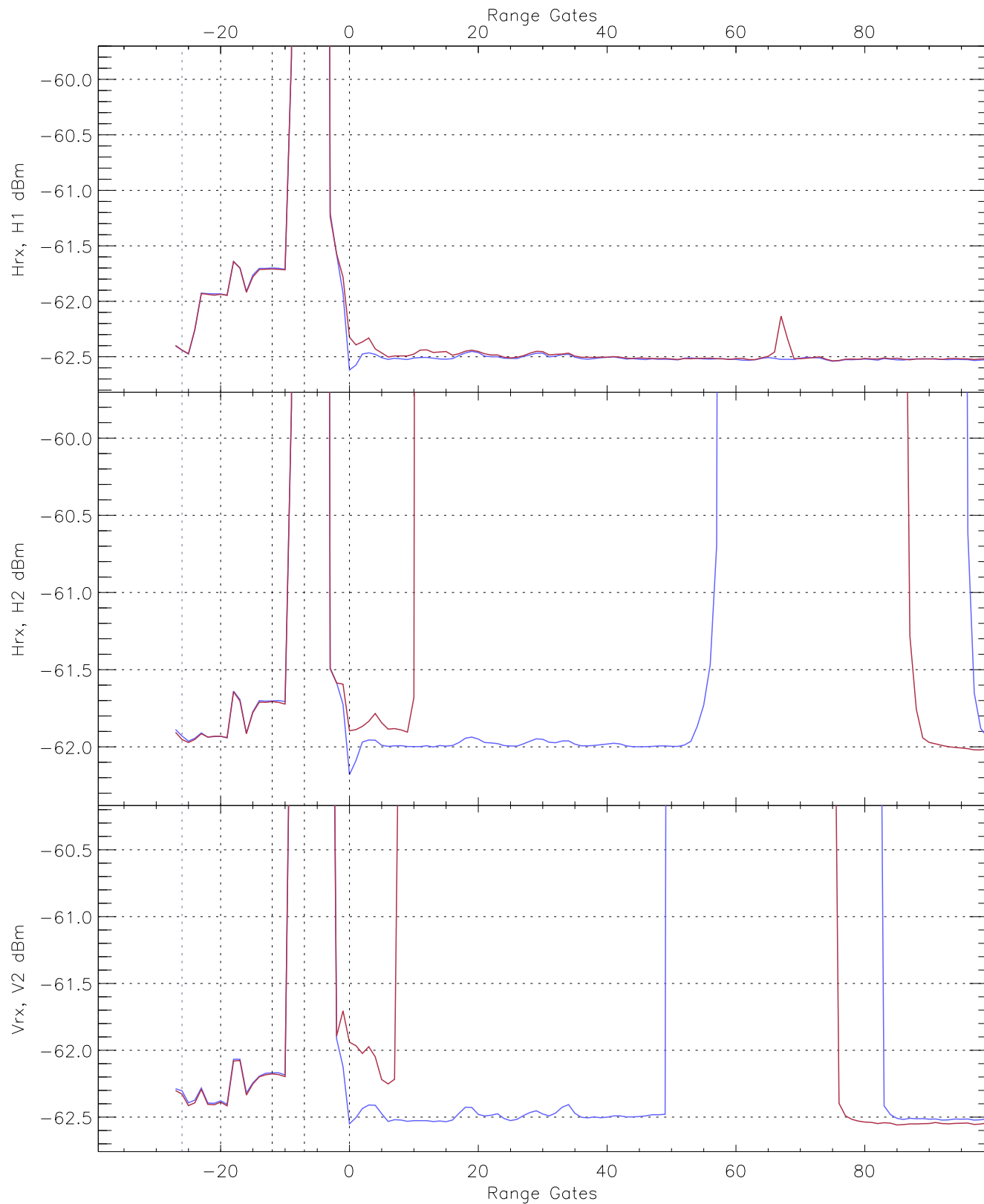
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG75_0 [dBm]  | -63.56 | -61.57 | -62.54 | -62.54 | -75.15 |
| H2RG162_0 [dBm] | -62.97 | -61.18 | -62.02 | -62.03 | -74.57 |
| V2RG97_0 [dBm]  | -63.49 | -61.41 | -62.54 | -62.54 | -75.05 |

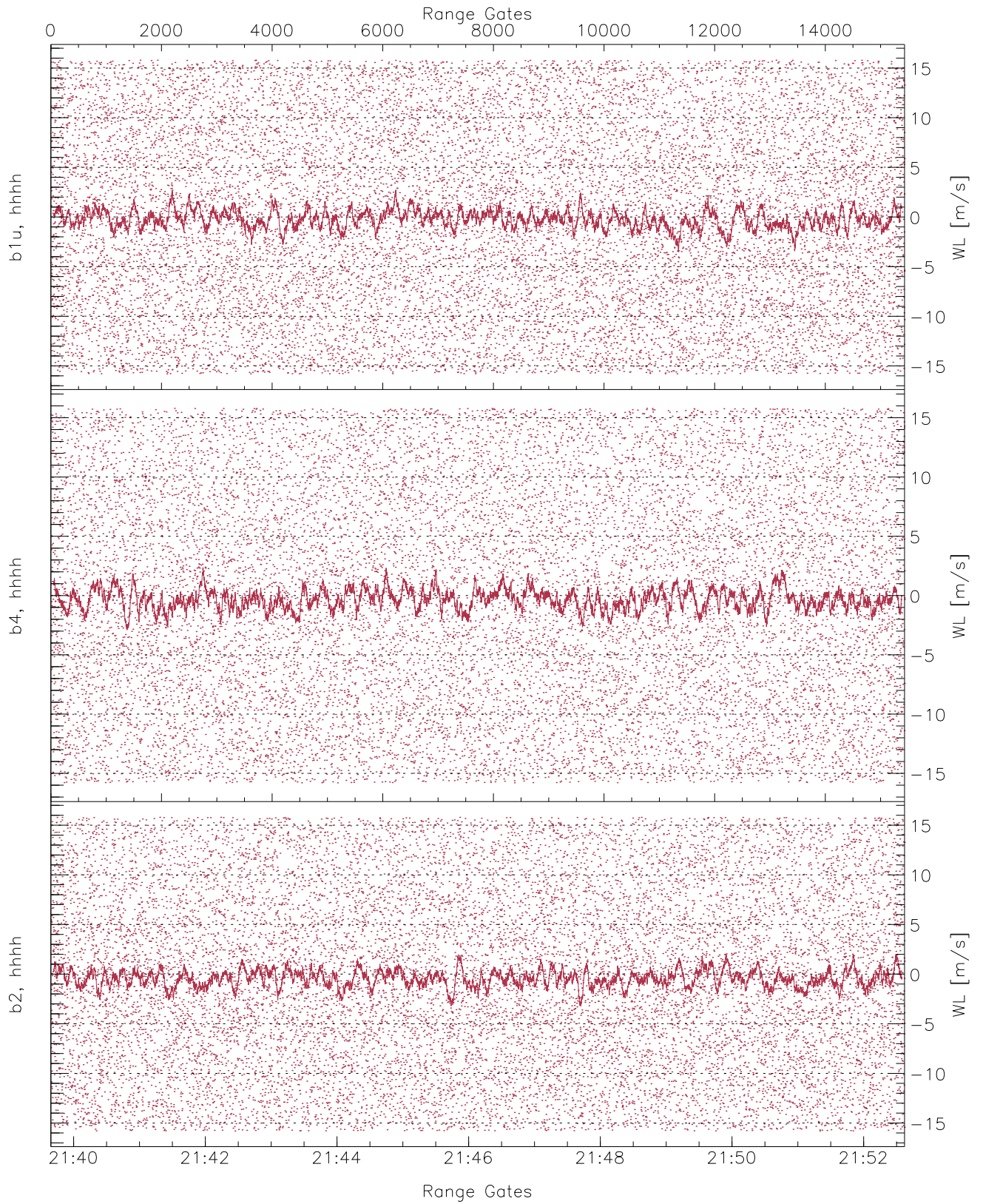


WCR2 CPP Averaged Received power for all recorded gates  
blue: 213939-214608, 7718 profiles averaged  
red: 214608-215237, 7717 profiles averaged

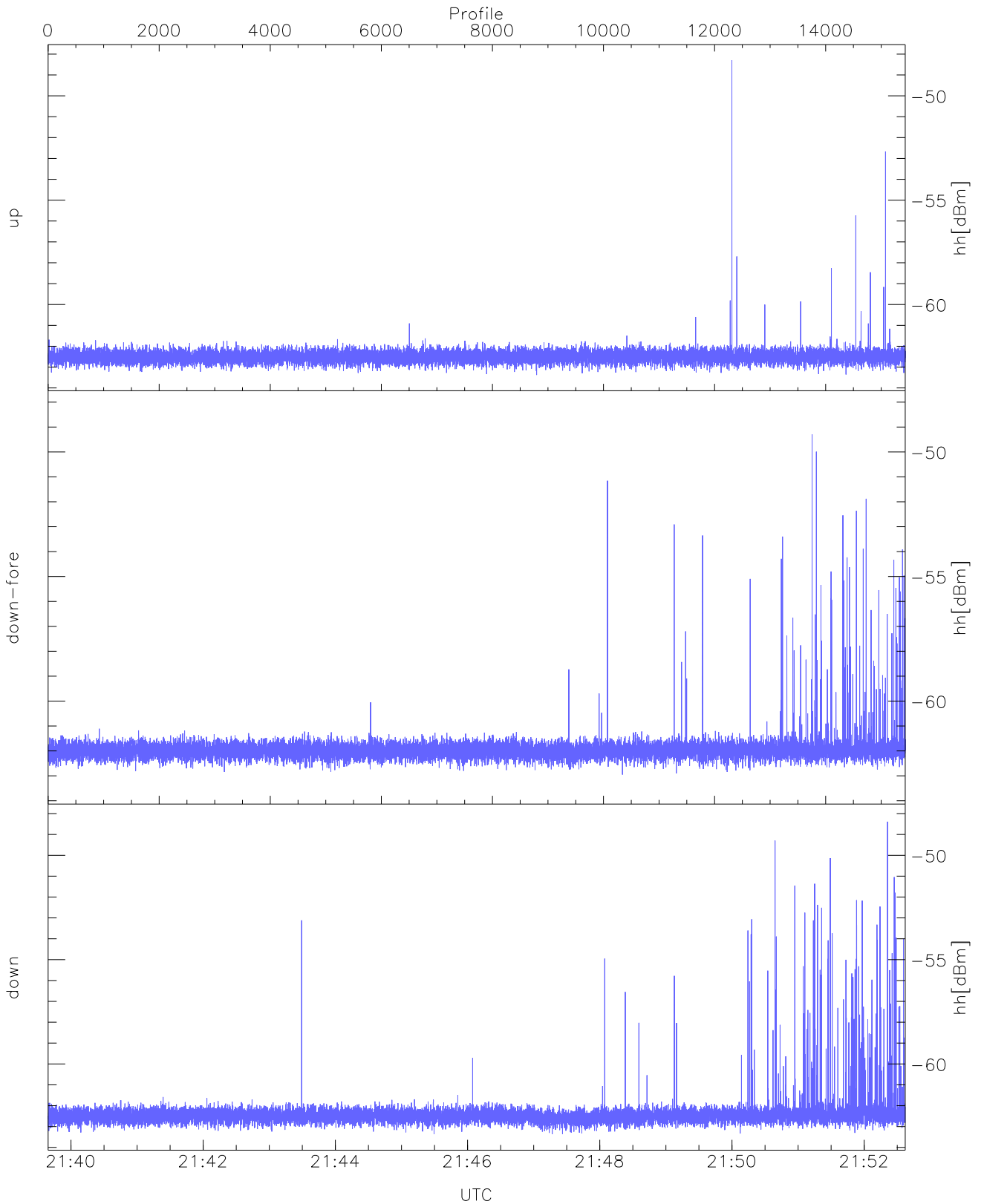




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 213939-214608, 7718 profiles averaged  
red: 214608-215237, 7717 profiles averaged

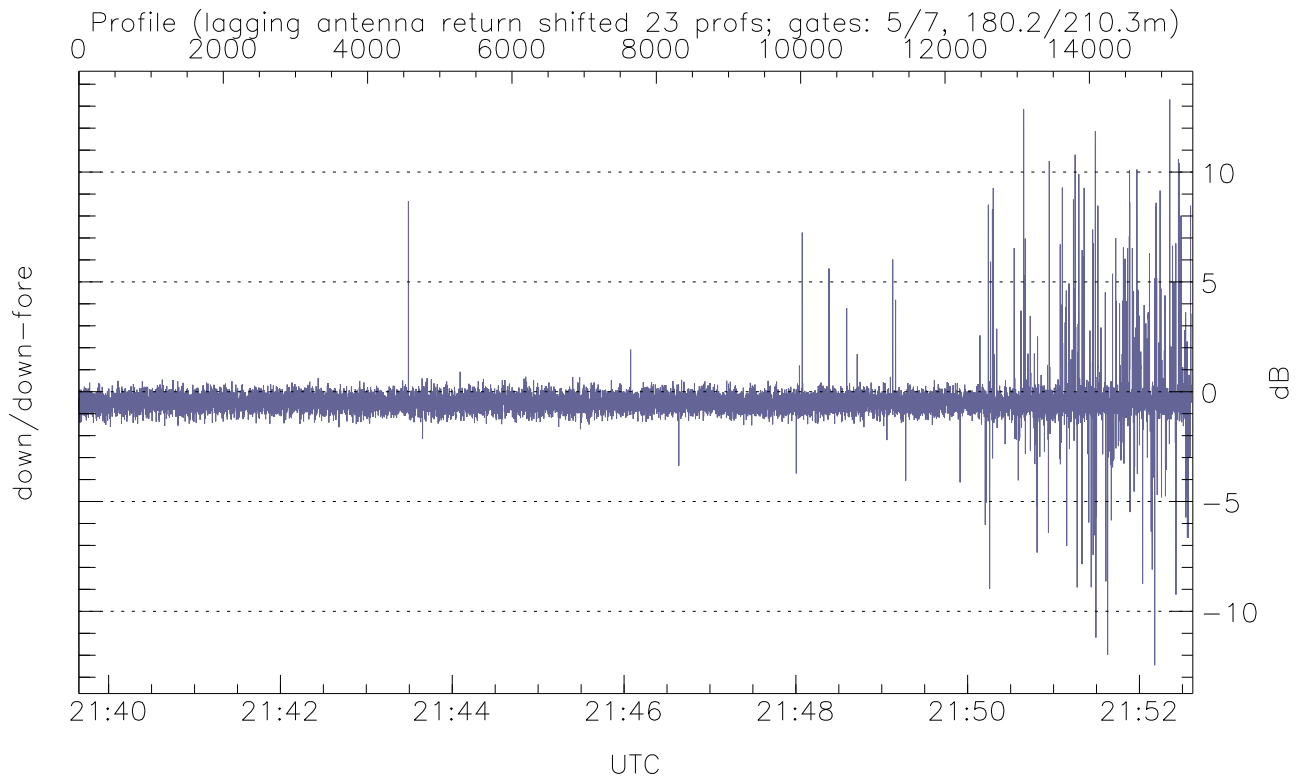
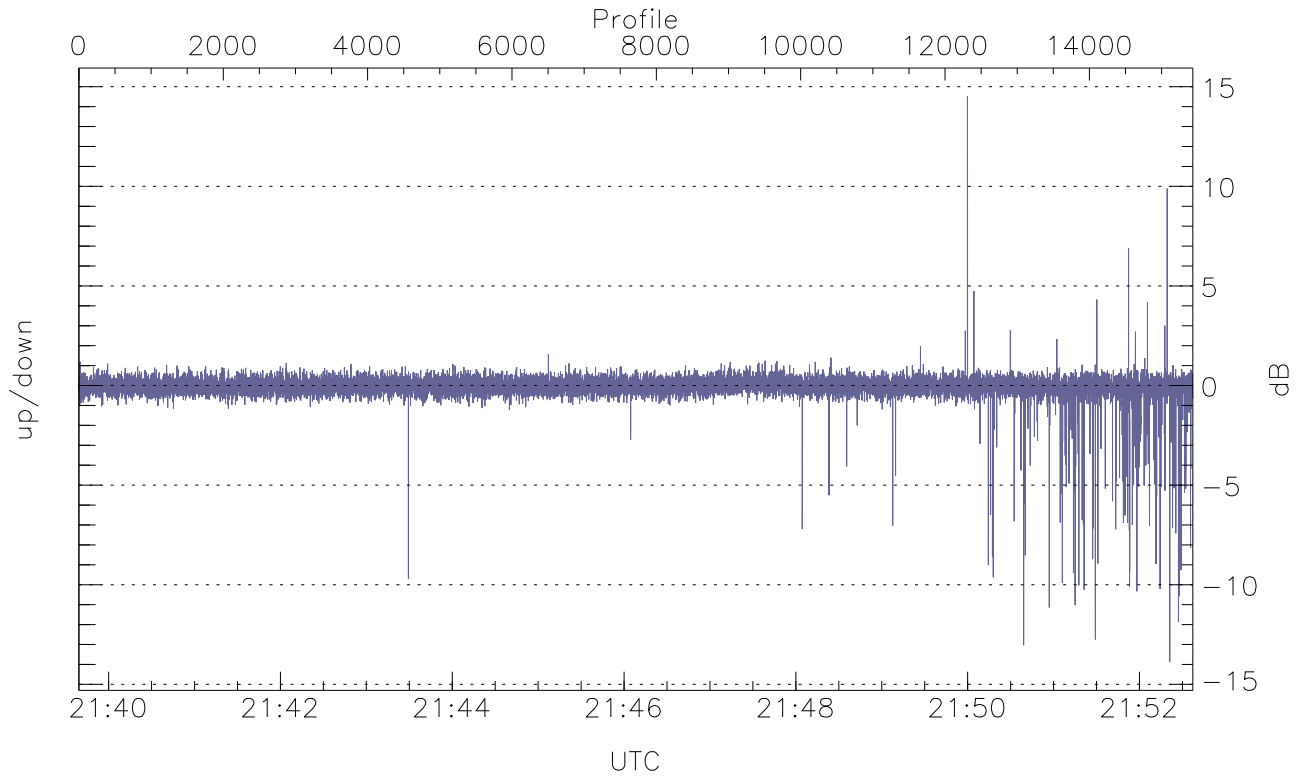


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



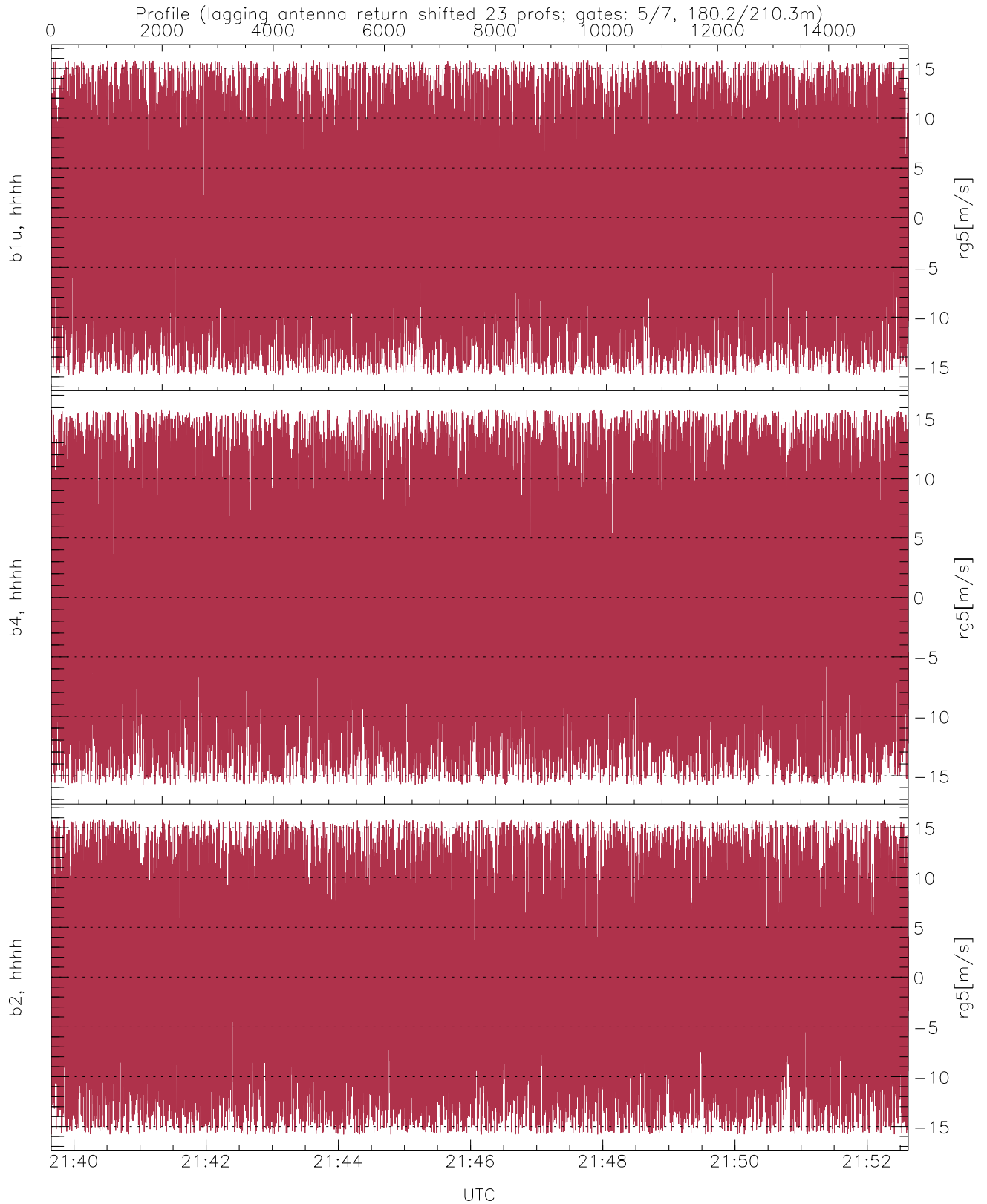
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -63.38 | -48.30 | -62.49 |
| down-fore(hh[dBm]) | -62.95 | -49.29 | -61.92 |
| down(hh[dBm])      | -63.37 | -48.39 | -62.35 |



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

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -13.88 | 14.52 | -0.06 |
| down/down-fore (dB) | -12.46 | 13.30 | -0.47 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.18 | 8.97  |
| b4, hhhh(rg5[m/s])  | -15.80 | 15.80 | 0.13  | 9.06  |
| b2, hhhh(rg5[m/s])  | -15.80 | 15.79 | -0.42 | 8.85  |