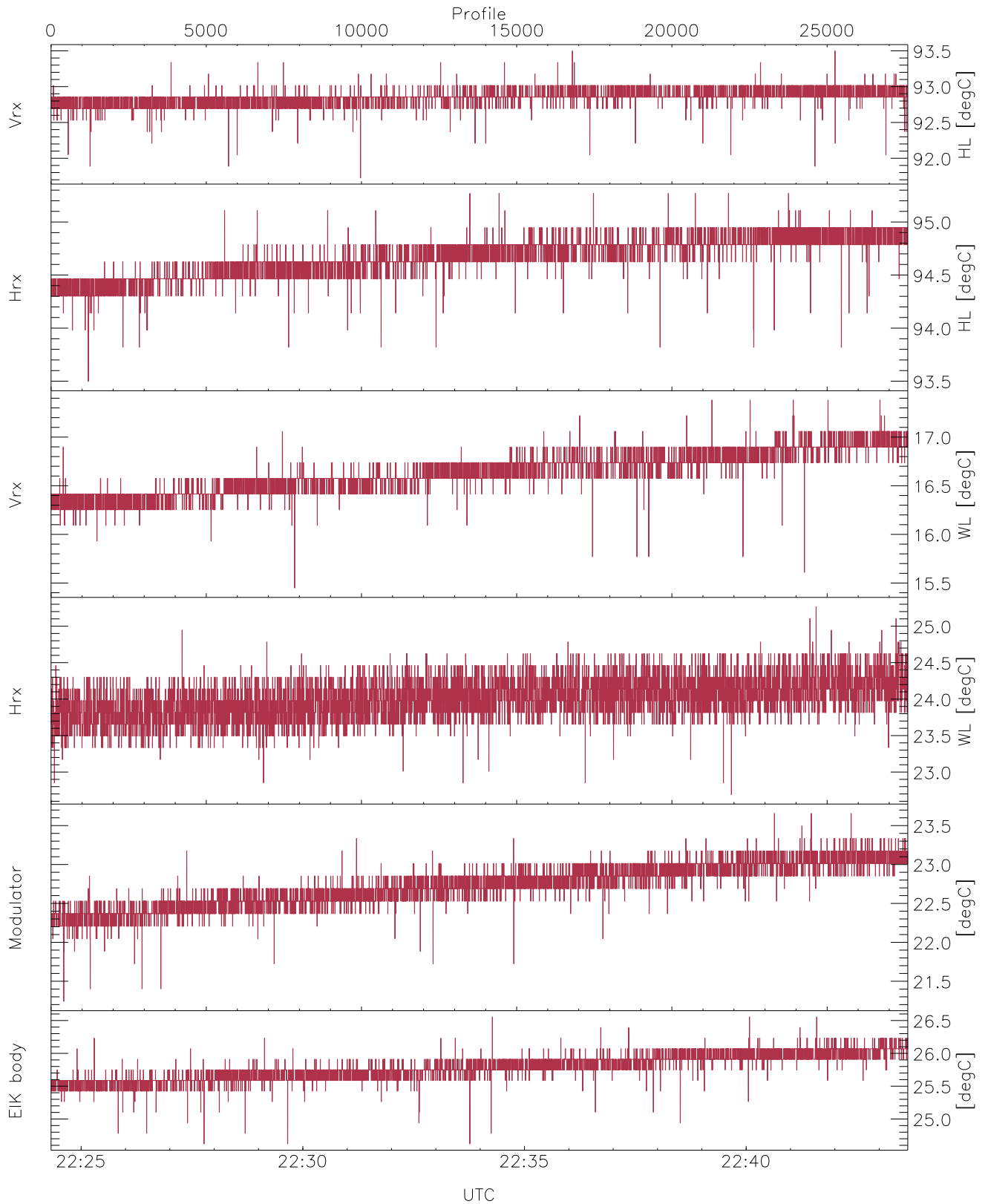


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

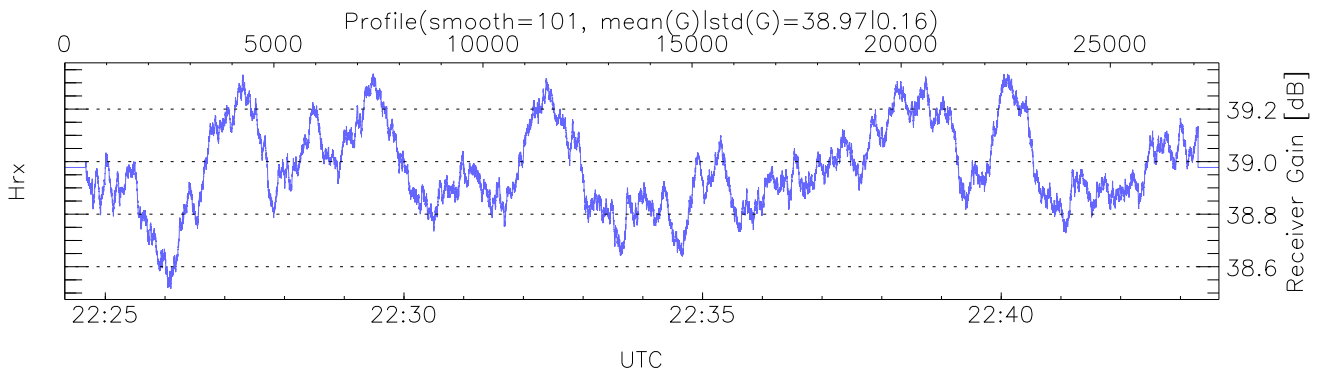
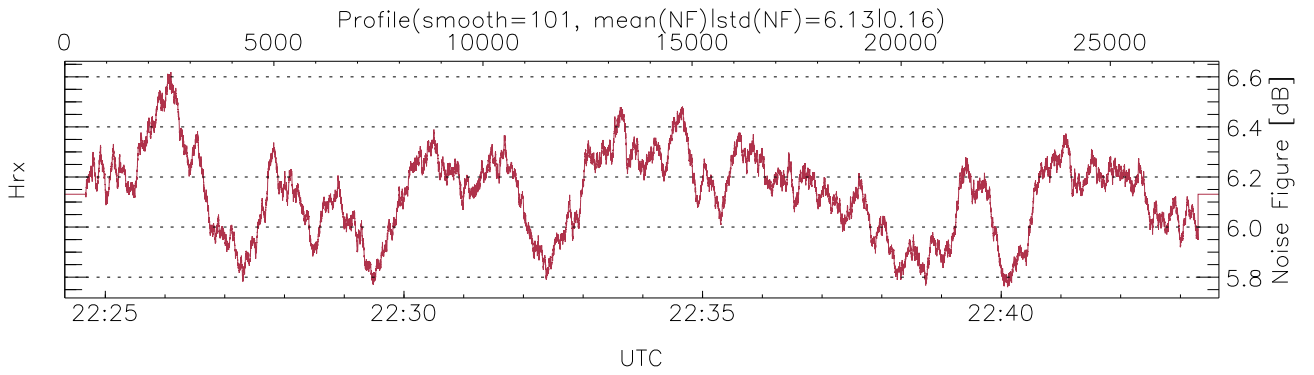
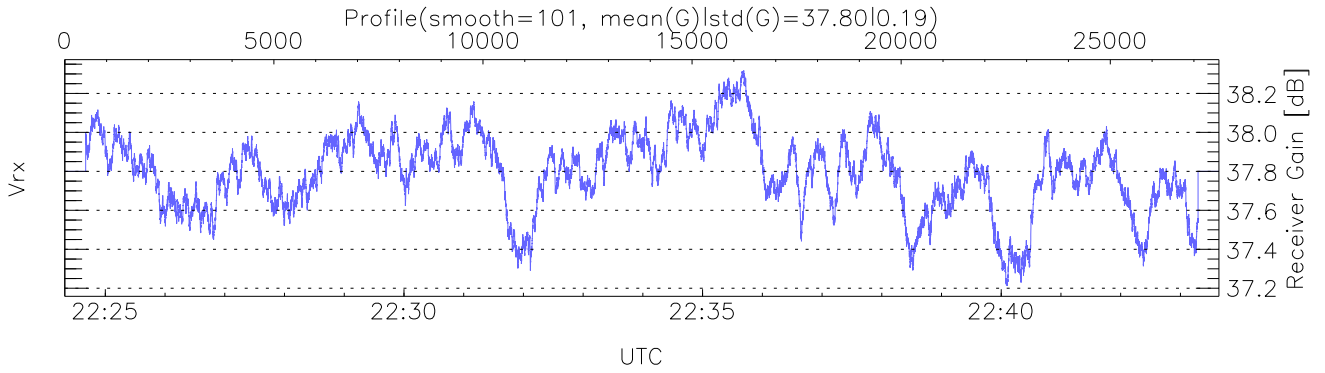
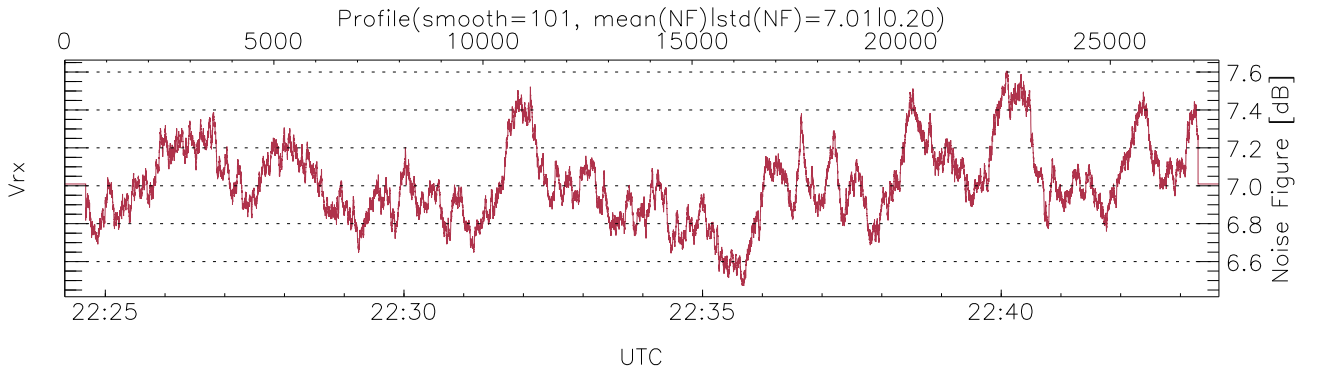
UTC: 22:24:19-22:49:40, Dur: 1520.40s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24
 NumRec(r/t): 27600/36192, 0-27599/22:24:19-22:43:39
 AcqTime: 42.0ms, Rate: 461KB/s, Averages: 140
 Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 97,3634,7.5 m, Gates: 472, Aspect: 2.0
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



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

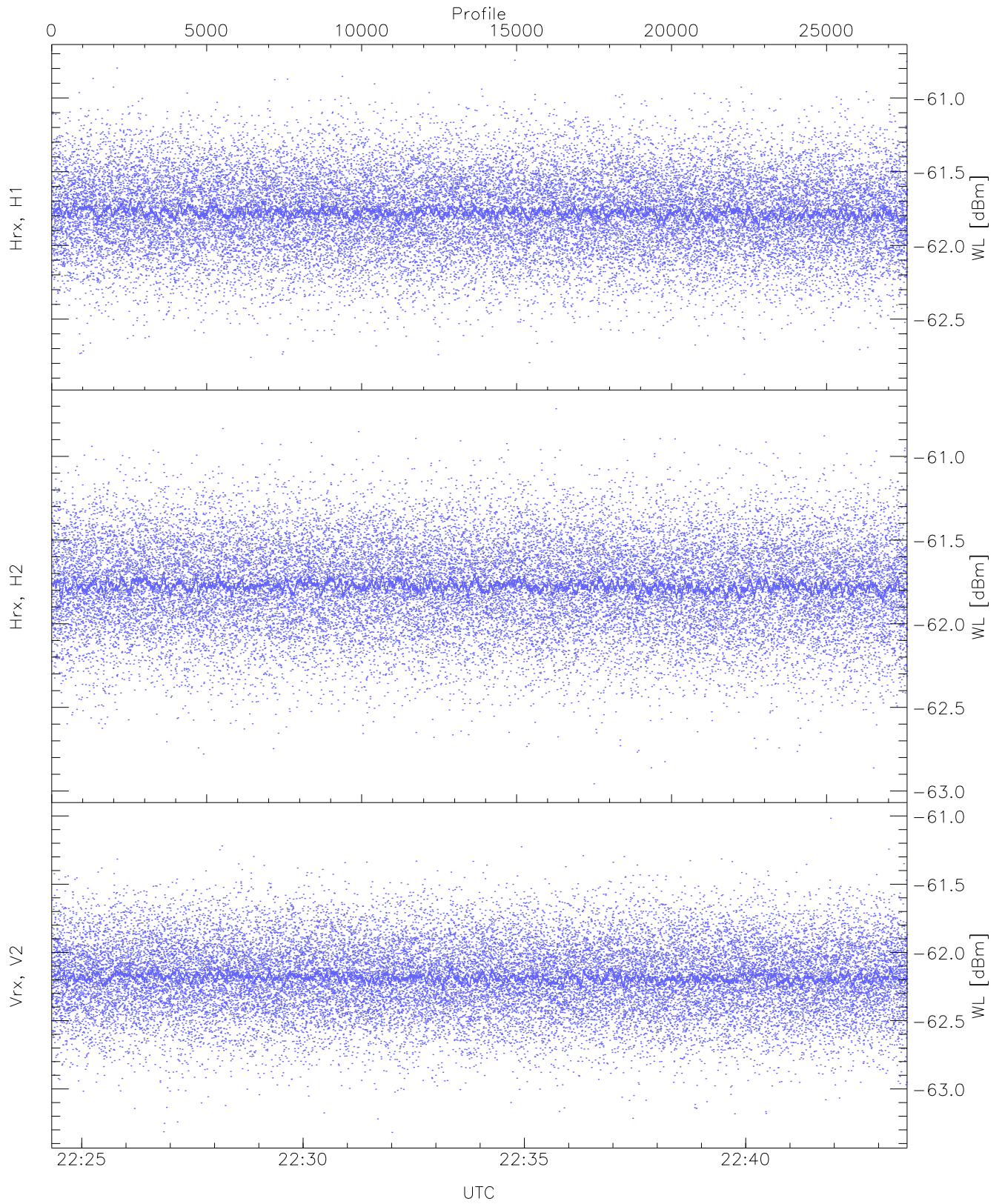
```

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,15,22,21,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,17,25,23,26
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (7,7,7,7,18)
    
```



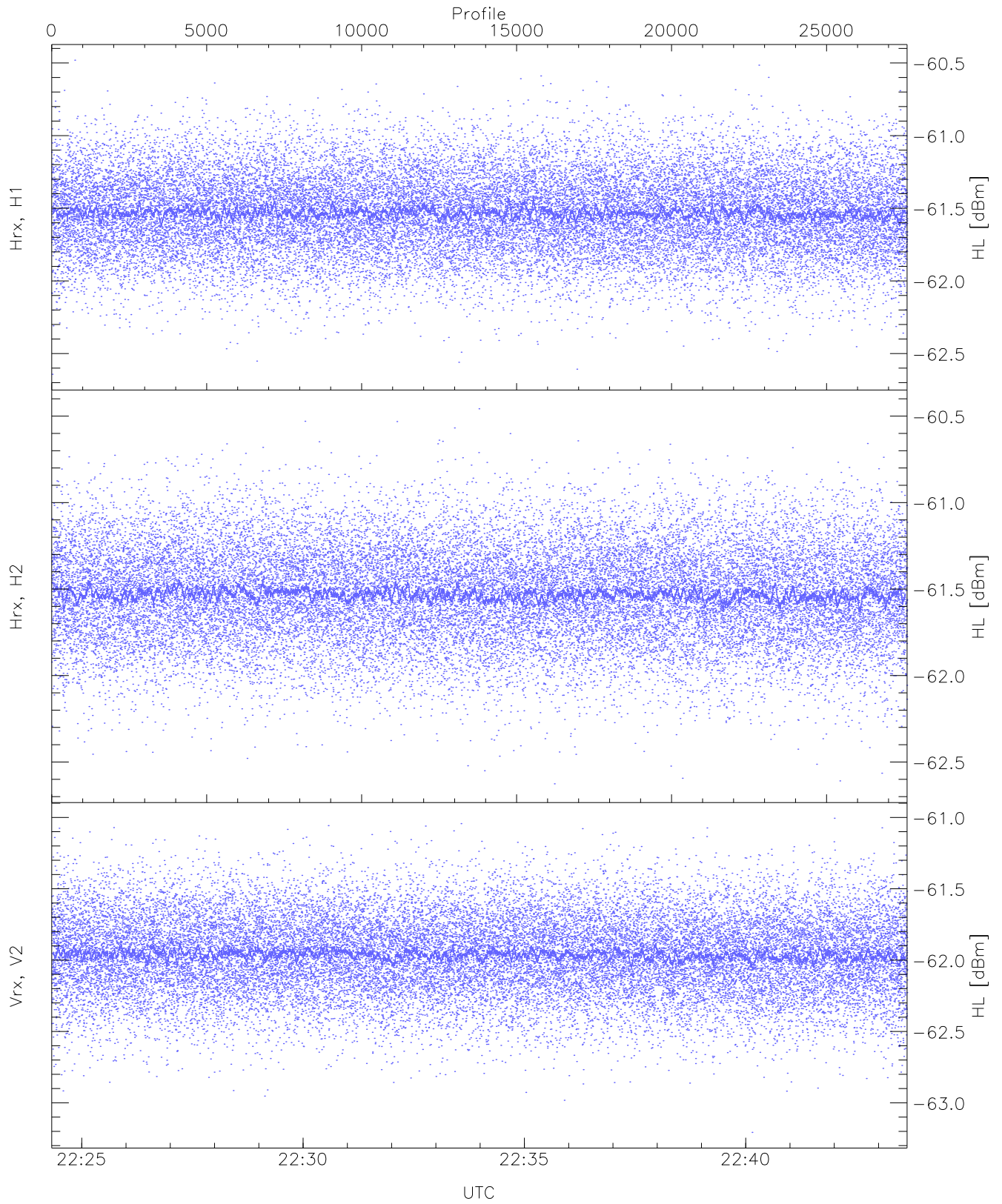
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 44 pixs, 6 gates, 27 profs, 1 prods



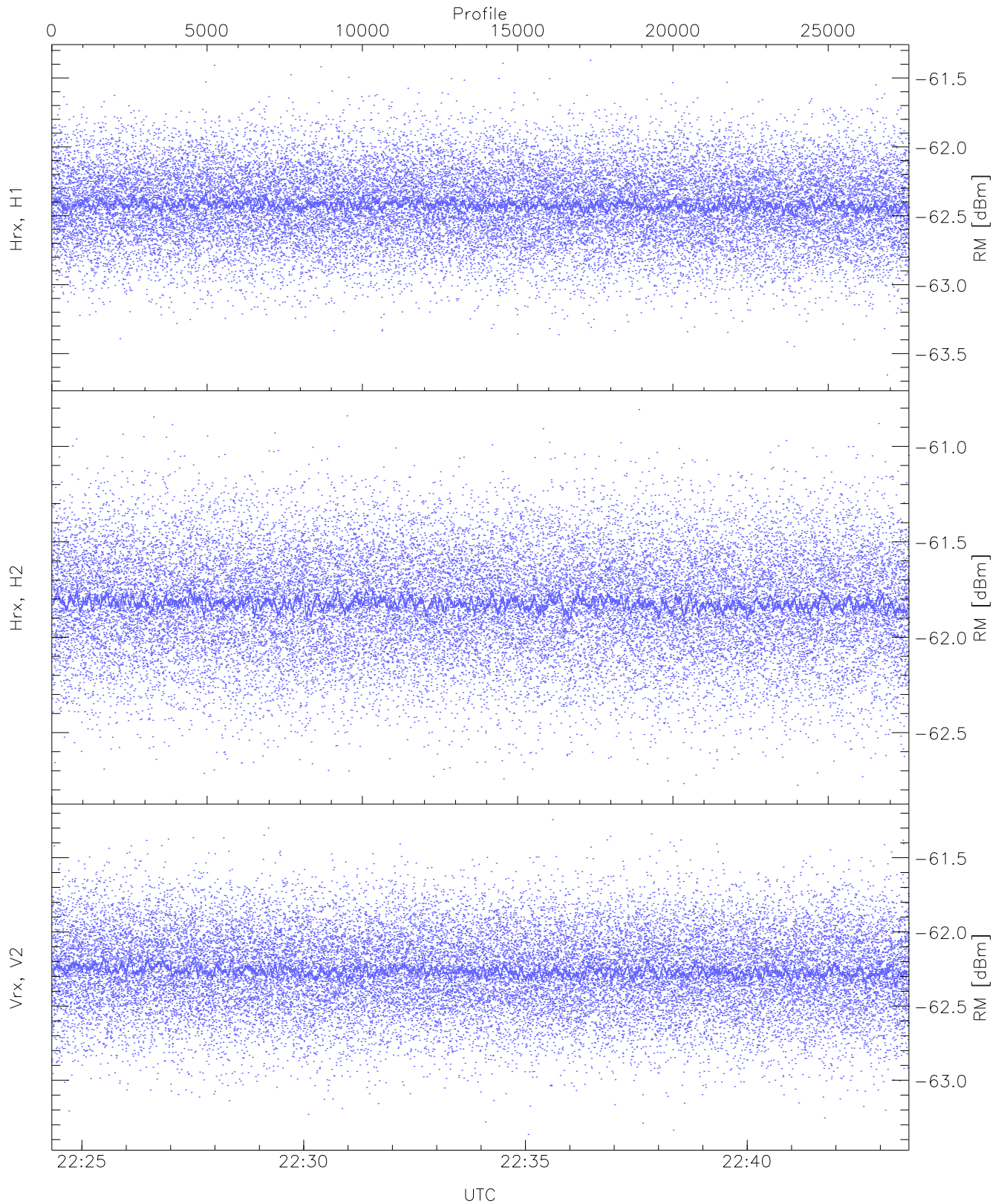
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -62.87 | -60.74 | -61.77 | -61.78 | -73.94 |
| Hrx, H2 (WL [dBm]) | -62.96 | -60.72 | -61.77 | -61.77 | -73.94 |
| Vrx, V2 (WL [dBm]) | -63.32 | -61.02 | -62.18 | -62.19 | -74.35 |



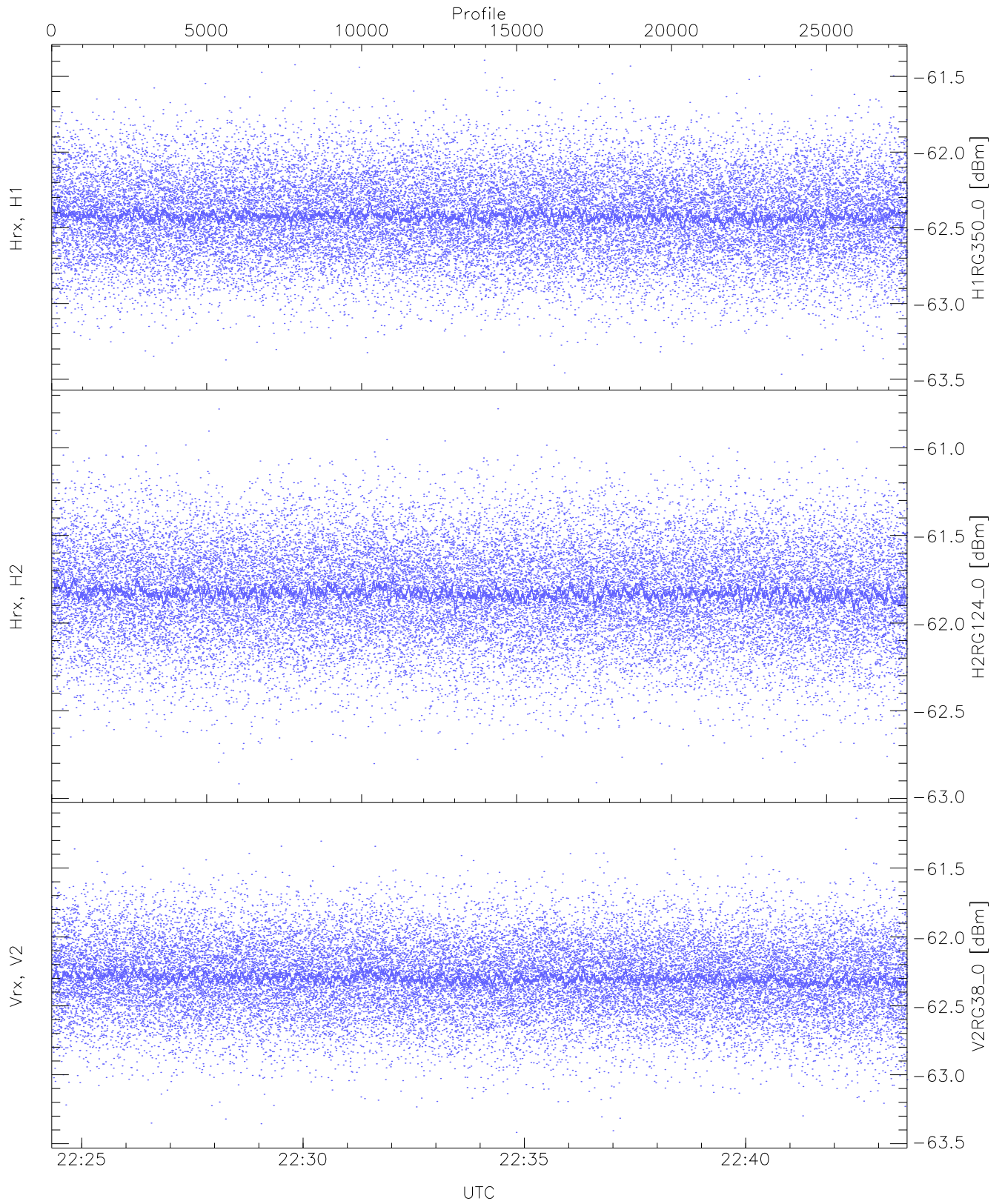
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.64 | -60.48 | -61.53 | -61.53 | -73.71 |
| Hrx, H2 (HL [dBm]) | -62.63 | -60.46 | -61.53 | -61.53 | -73.68 |
| Vrx, V2 (HL [dBm]) | -63.21 | -61.01 | -61.96 | -61.96 | -74.11 |



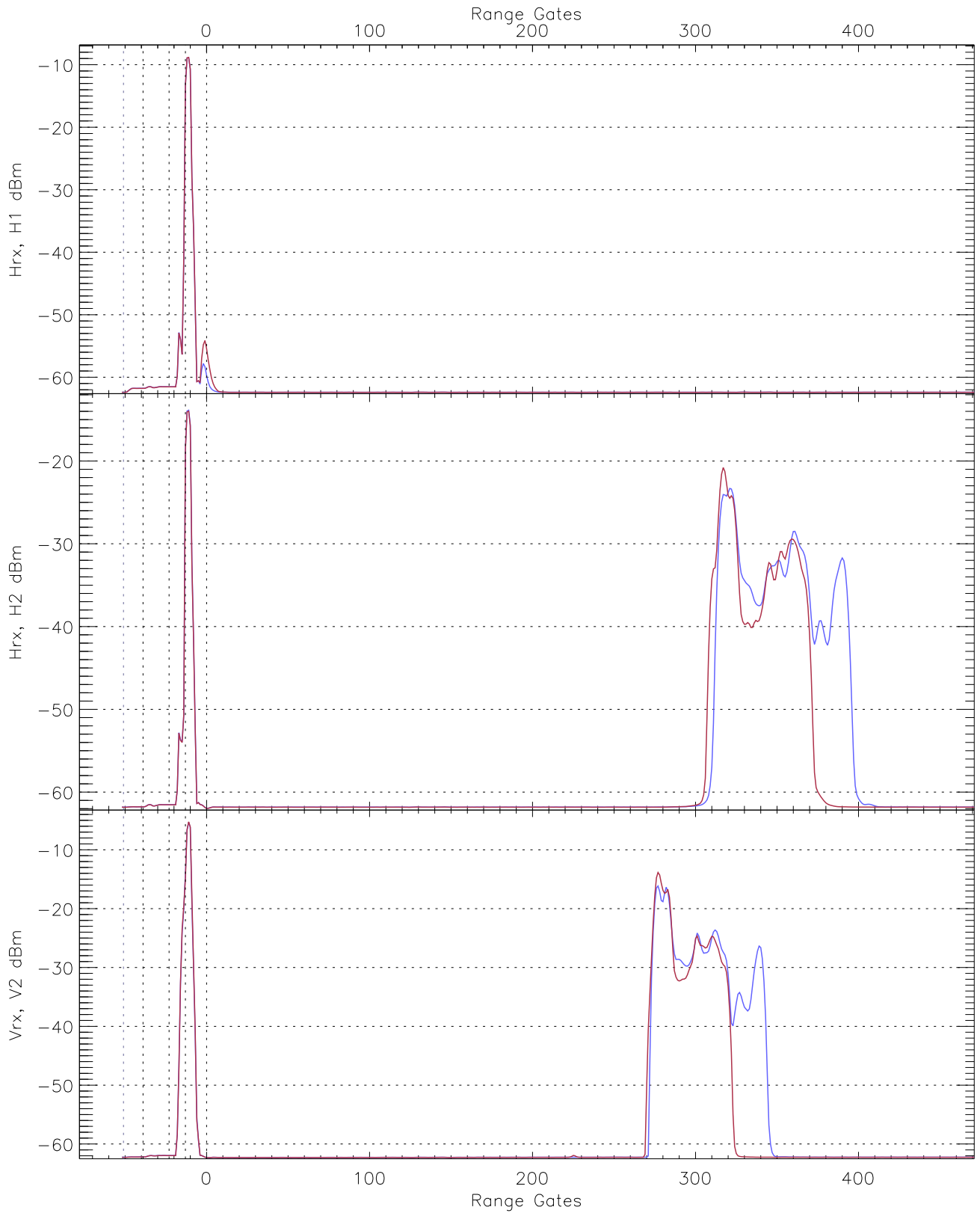
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.66 | -61.37 | -62.42 | -62.42 | -74.56 |
| Hrx, H2 (RM [dBm]) | -62.78 | -60.81 | -61.82 | -61.82 | -74.01 |
| Vrx, V2 (RM [dBm]) | -63.37 | -61.24 | -62.26 | -62.27 | -74.42 |

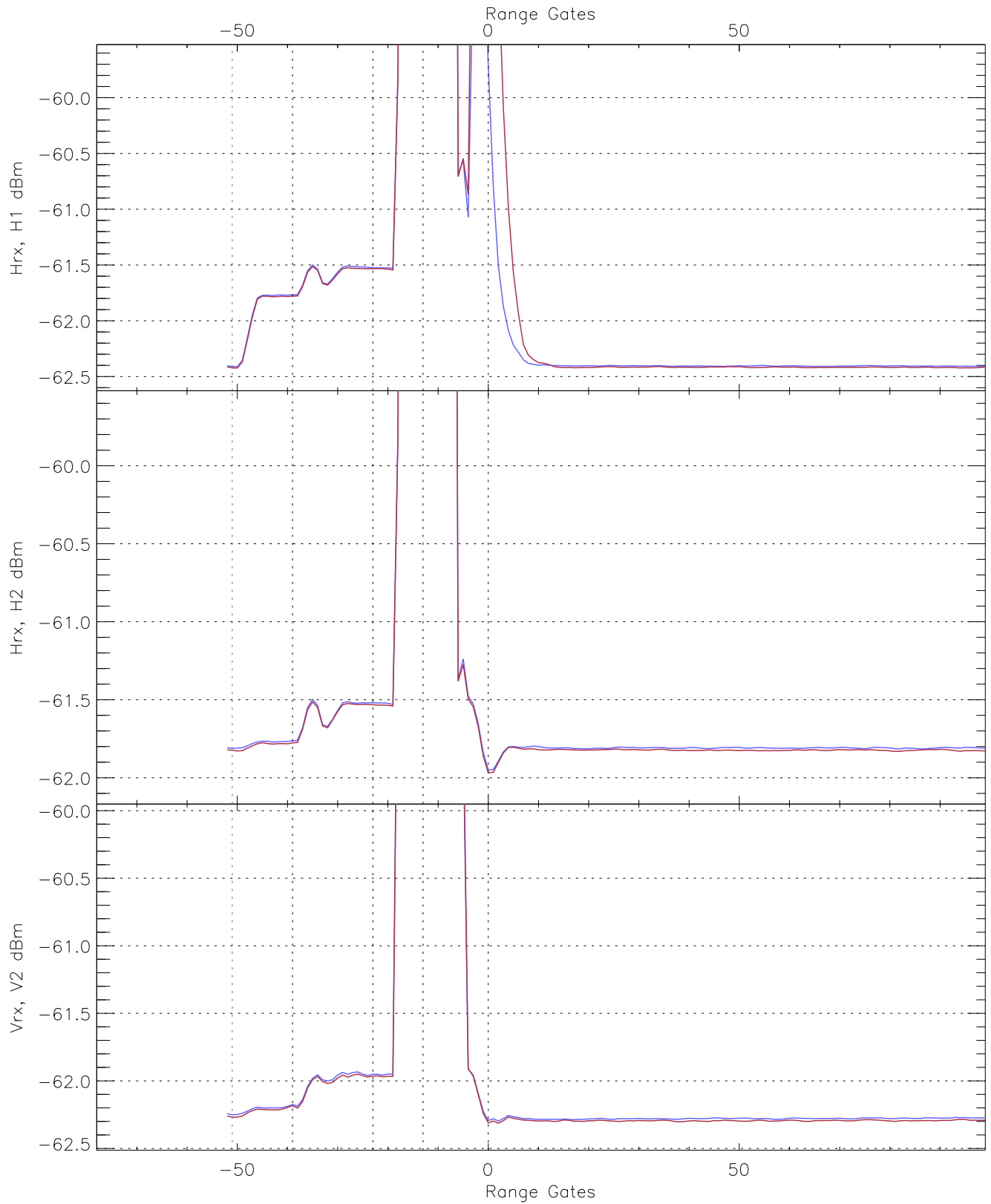


WCR2 CPP "Best" estimate Receivers Noise Power

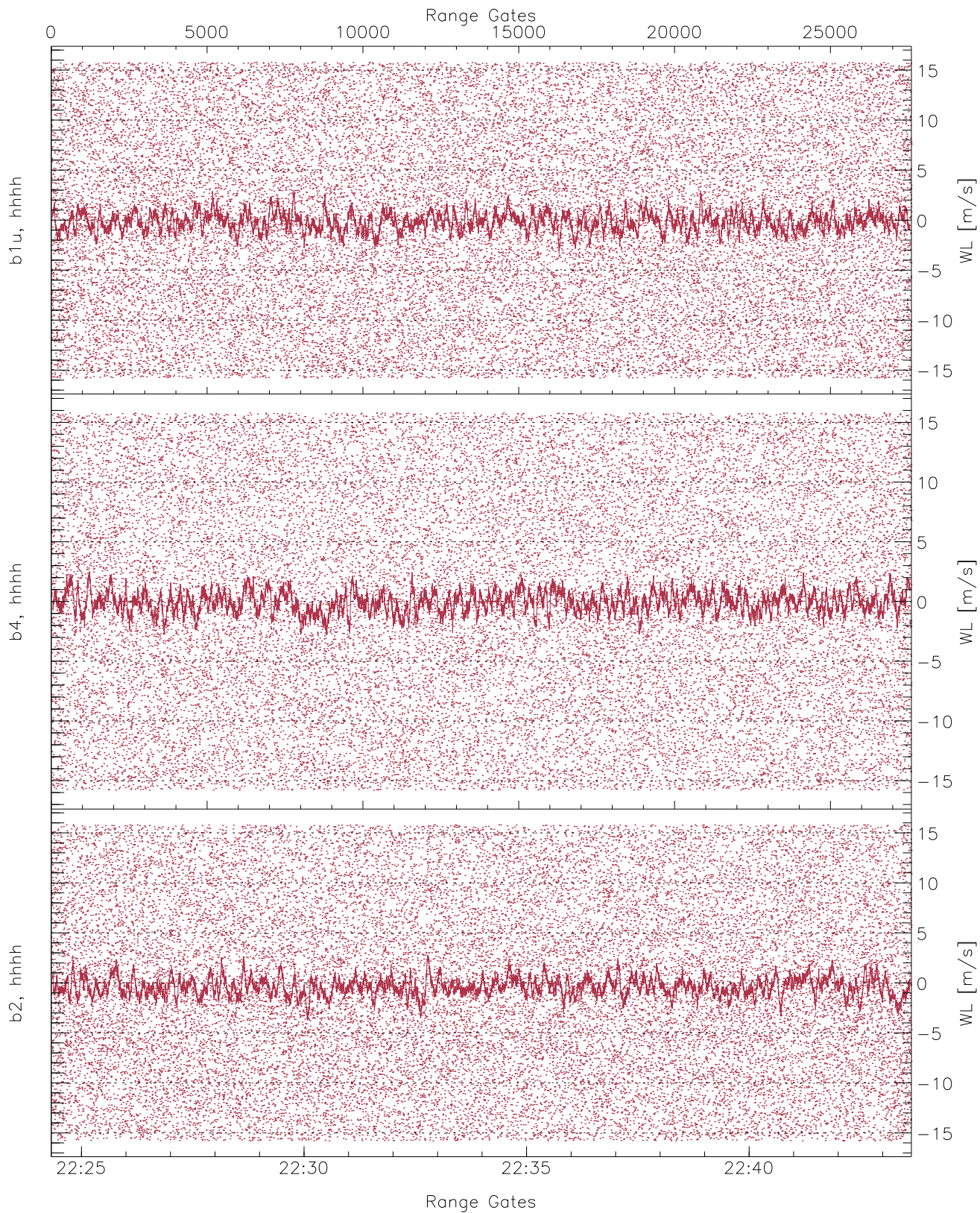
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG350_0 [dBm] | -63.47 | -61.39 | -62.42 | -62.43 | -74.61 |
| H2RG124_0 [dBm] | -62.92 | -60.78 | -61.82 | -61.83 | -73.98 |
| V2RG38_0 [dBm] | -63.42 | -61.14 | -62.29 | -62.30 | -74.46 |



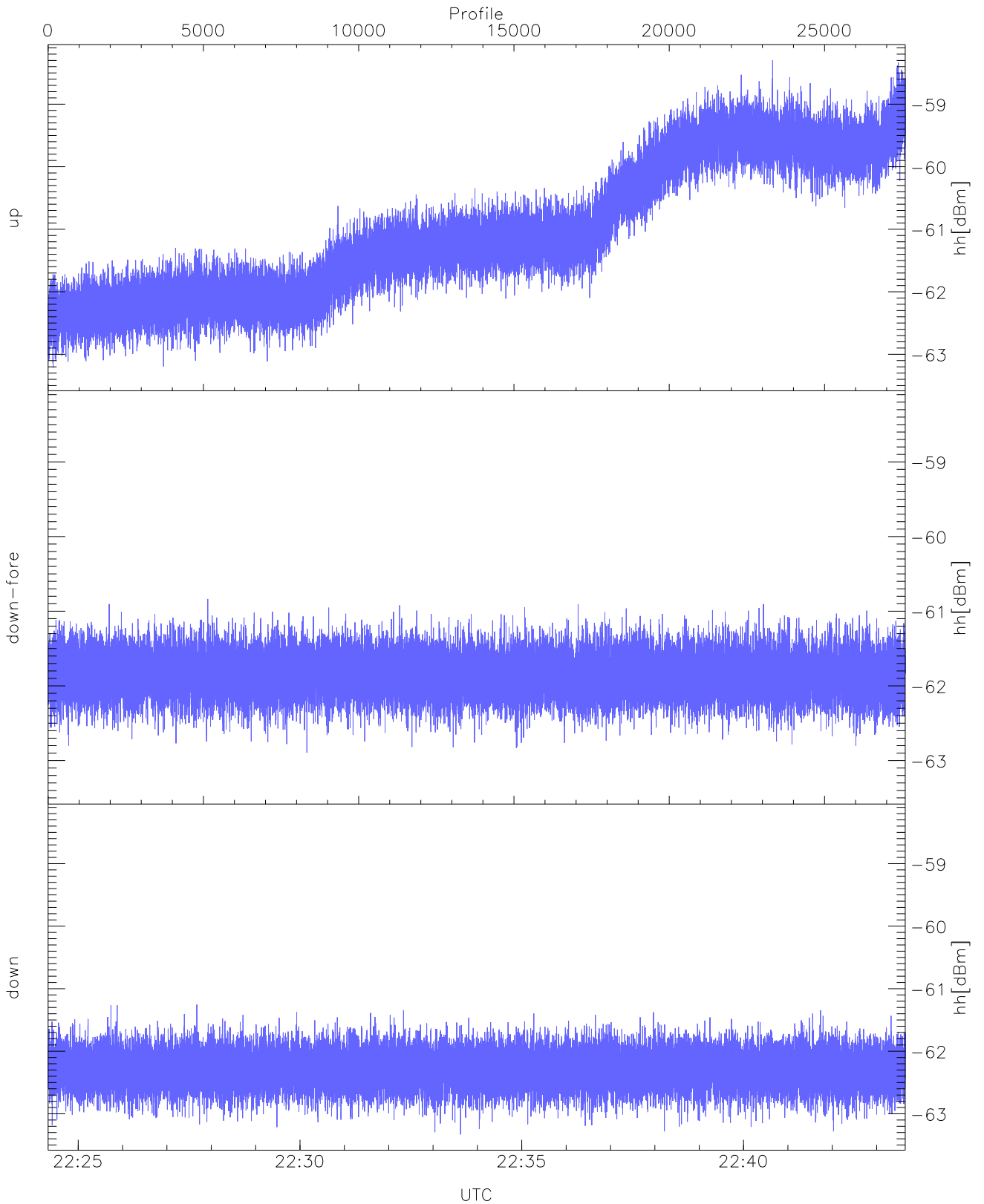
WCR2 CPP Averaged Received power for all recorded gates
blue: 222419-223359, 13801 profiles averaged
red: 223359-224339, 13800 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 222419-223359, 13801 profiles averaged
red: 223359-224339, 13800 profiles averaged

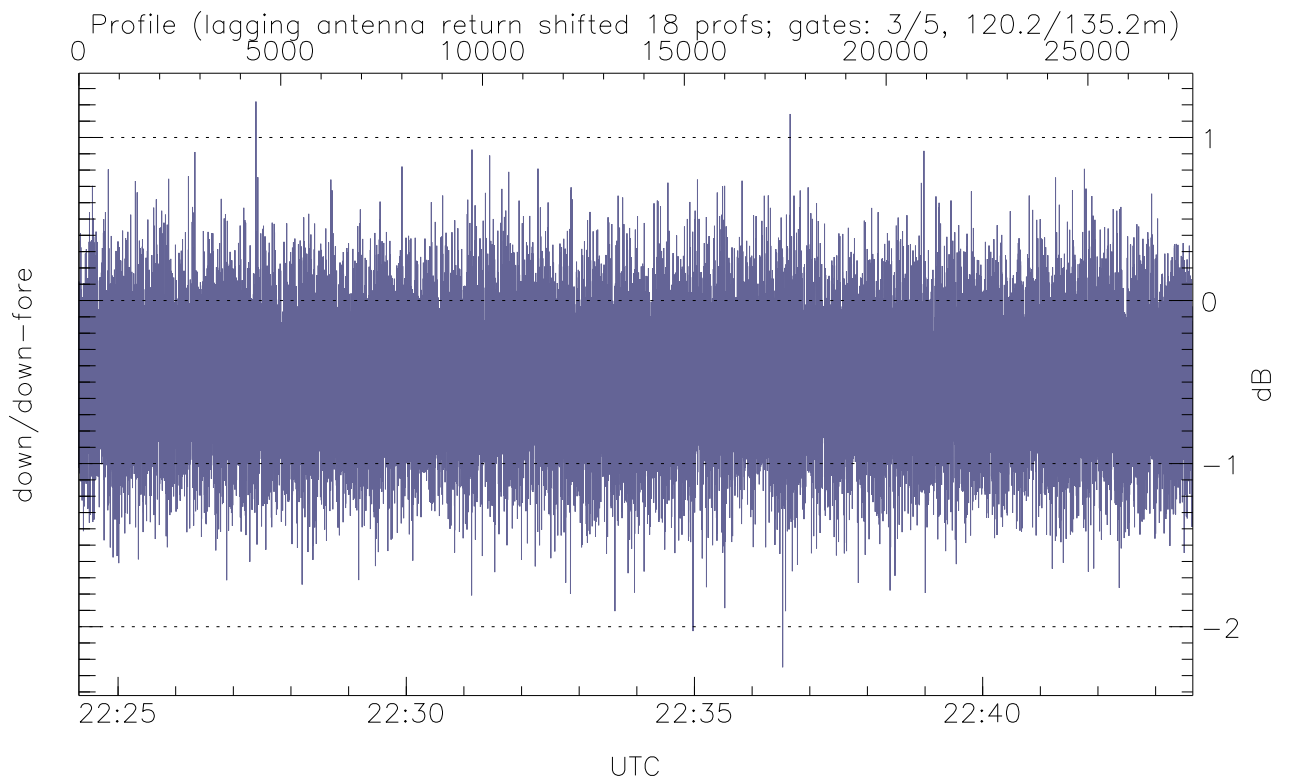
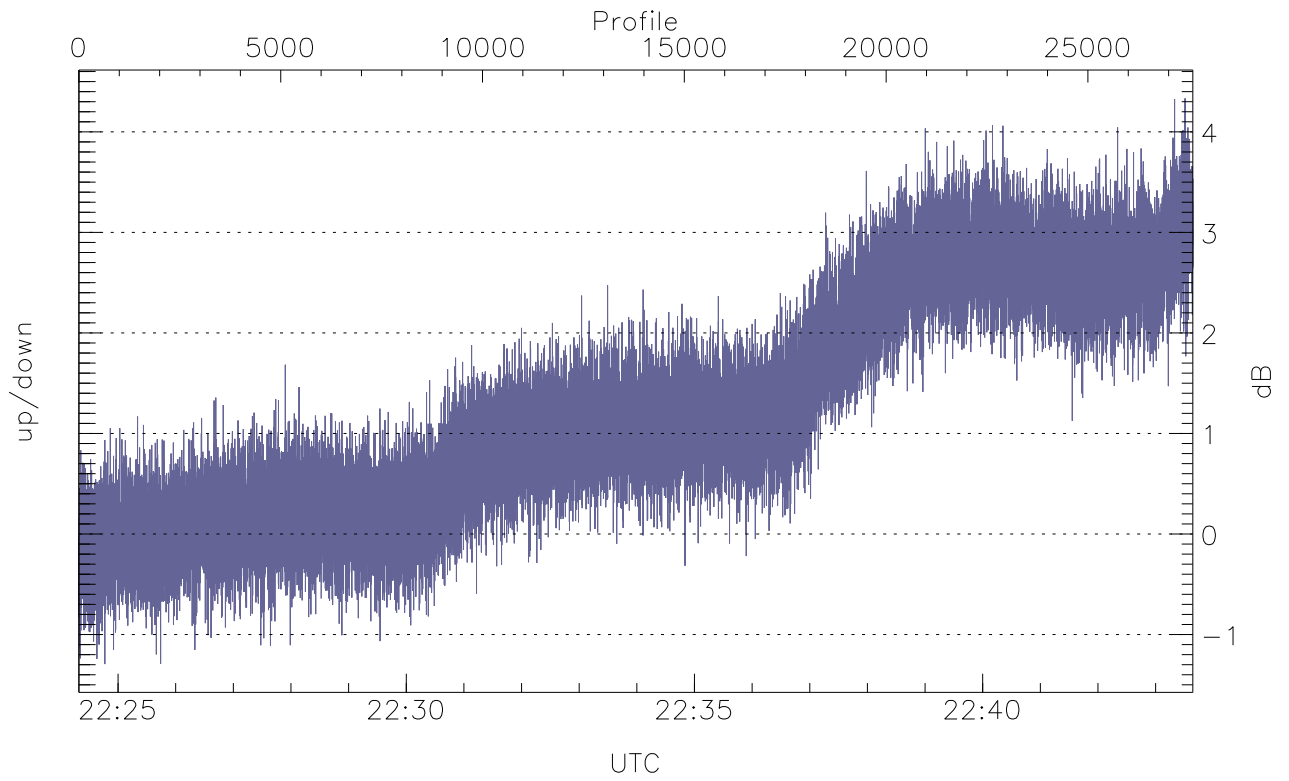


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



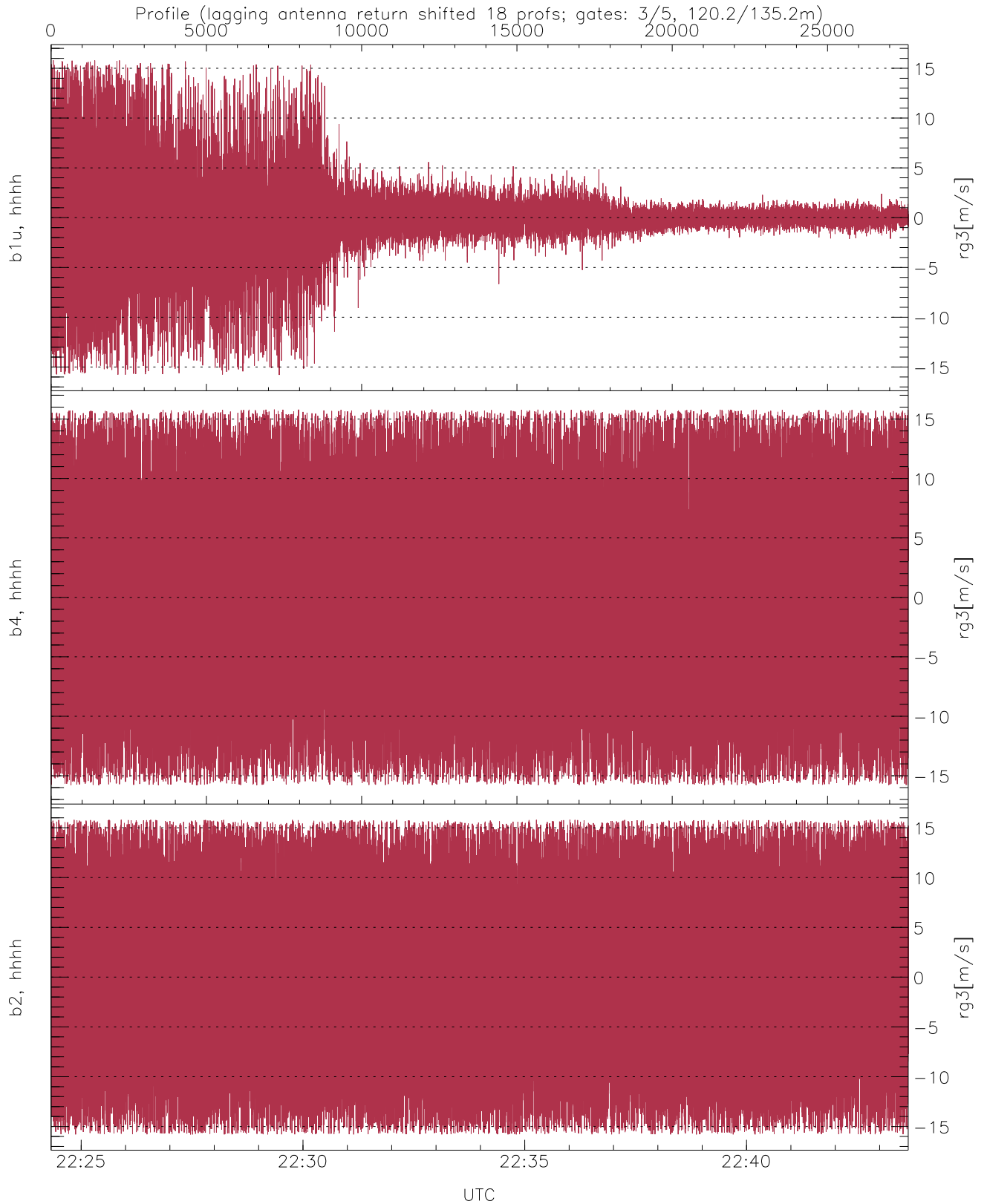
WCR2 CPP Received Power Products for Range gate 3 (120.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -63.21 | -58.30 | -60.89 |
| down-fore(hh[dBm]) | -62.89 | -60.84 | -61.84 |
| down(hh[dBm]) | -63.33 | -61.25 | -62.29 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 3 (120 m)

| | Min | Max | Mean |
|---------------------|-------|------|-------|
| up/down (dB) | -1.29 | 4.33 | 1.27 |
| down/down-fore (dB) | -2.25 | 1.22 | -0.48 |



WCR2 CPP Doppler Velocity Products at 120.2 m range

| | Min | Max | Mean | StDev |
|-------------------------|--------|-------|-------|-------|
| b1u, hhhh($rg3$ [m/s]) | -15.79 | 15.80 | -0.06 | 3.47 |
| b4, hhhh($rg3$ [m/s]) | -15.80 | 15.80 | -0.12 | 8.94 |
| b2, hhhh($rg3$ [m/s]) | -15.80 | 15.80 | -0.25 | 9.11 |