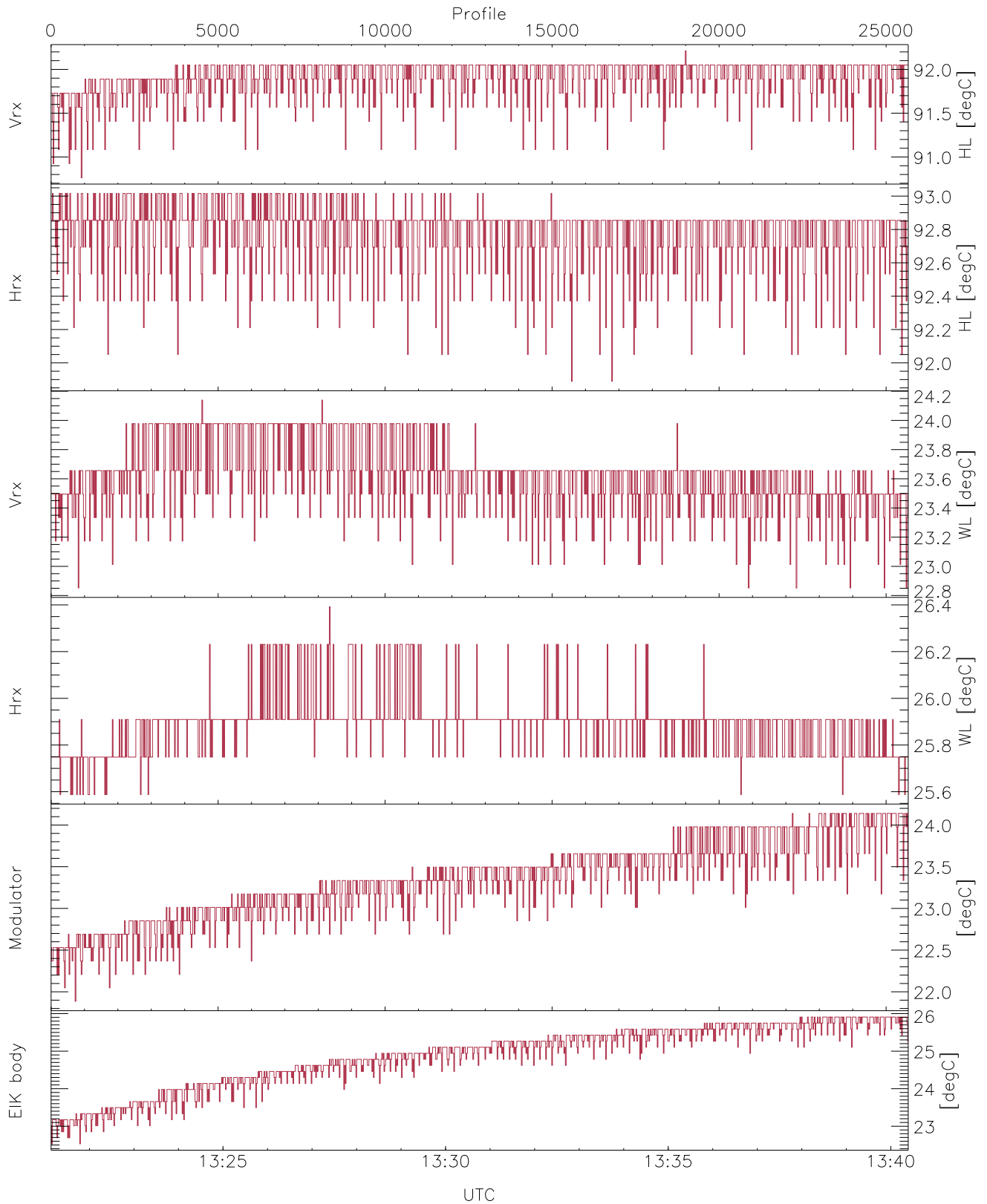


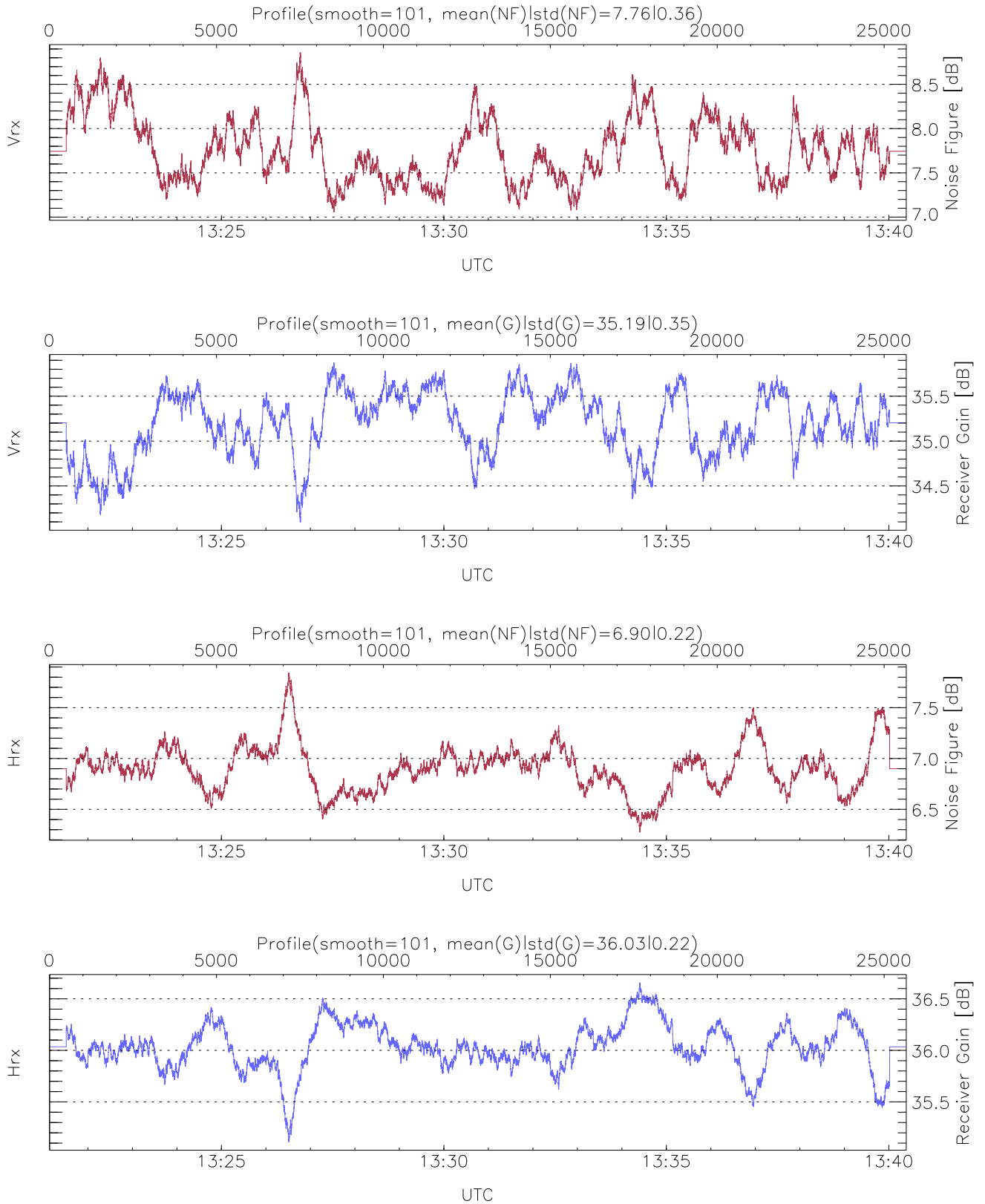
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 13:21:08-13:40:23, TimeCor: 0.00s, Dur: 1155.12s
 TimeFlg: 1, TFPstatus constant.
 TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
 NumRec(r/t): 25664/25664, 0-25663/13:21:08-13:40:23
 AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H1 V2 V2 V2 H2 H2 H2
 PRF: 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



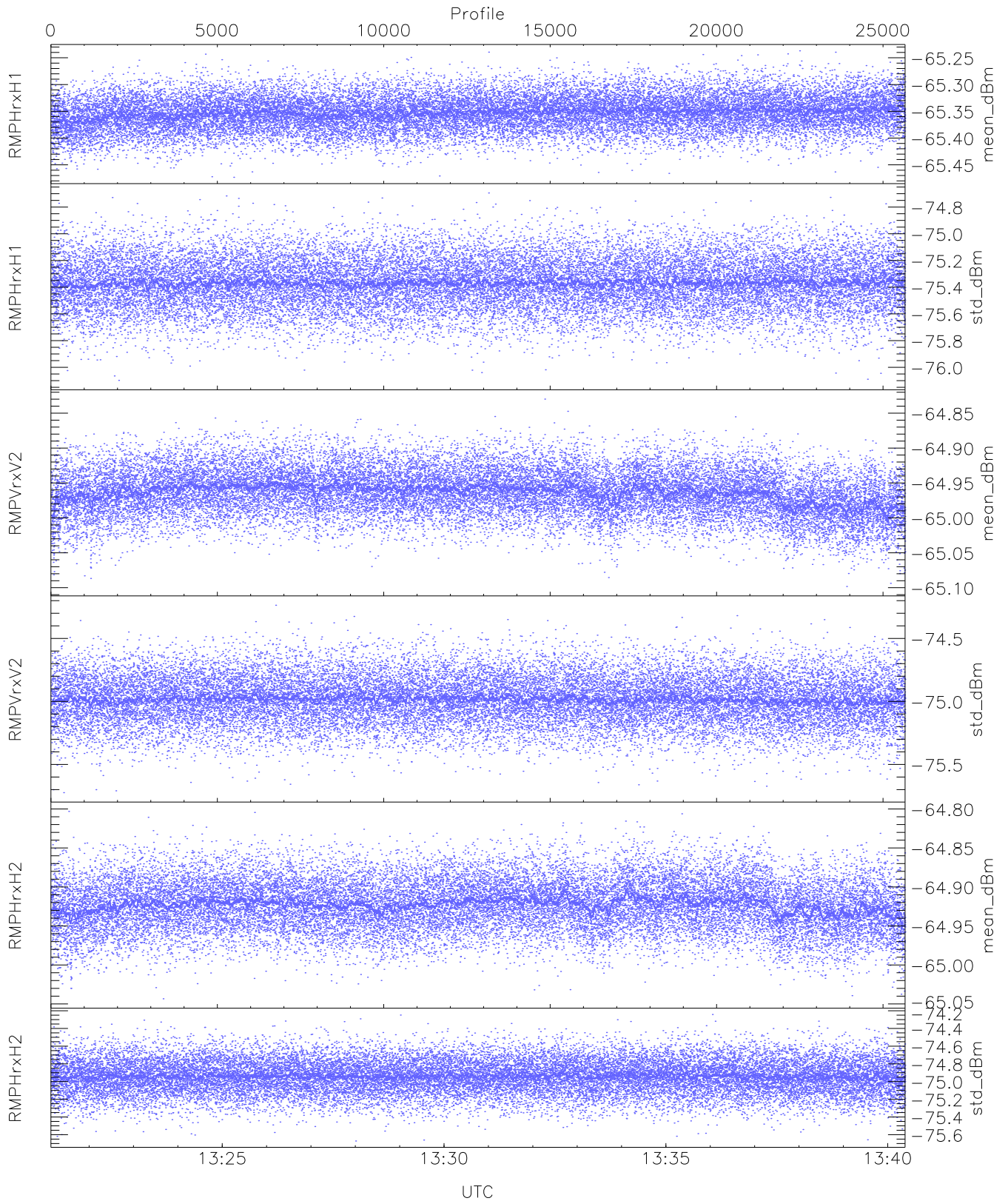
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

```
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,22,25,21,22
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,24,26,24,25
LOalarm(20,240,2817,14861 MHz): 0,0,44,0
EIK Faults(# prof affected):
DeckF,OverDuty (22,22)
```



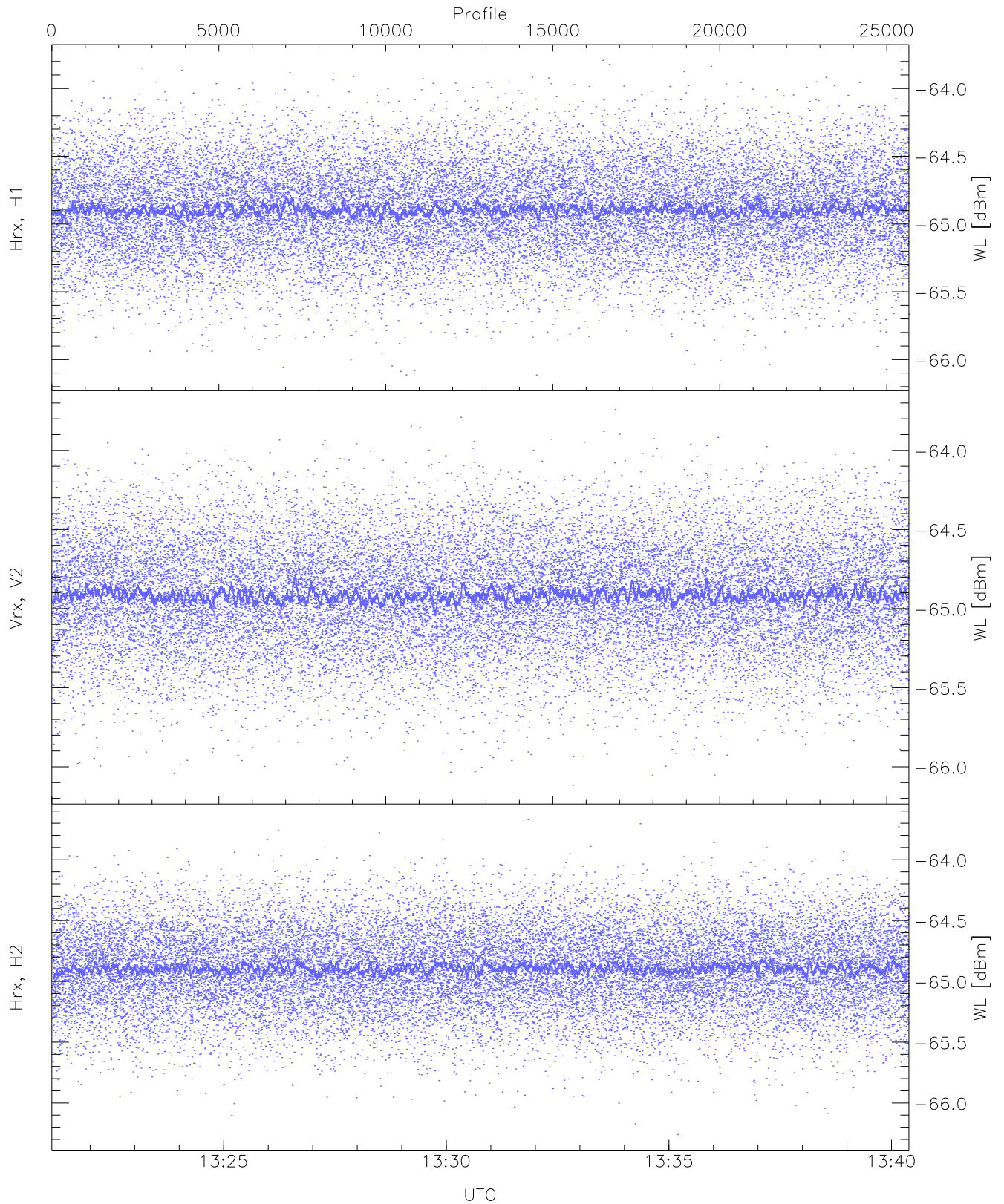
WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 15 pixs, 1 gates, 15 profs, 1 prod(s)



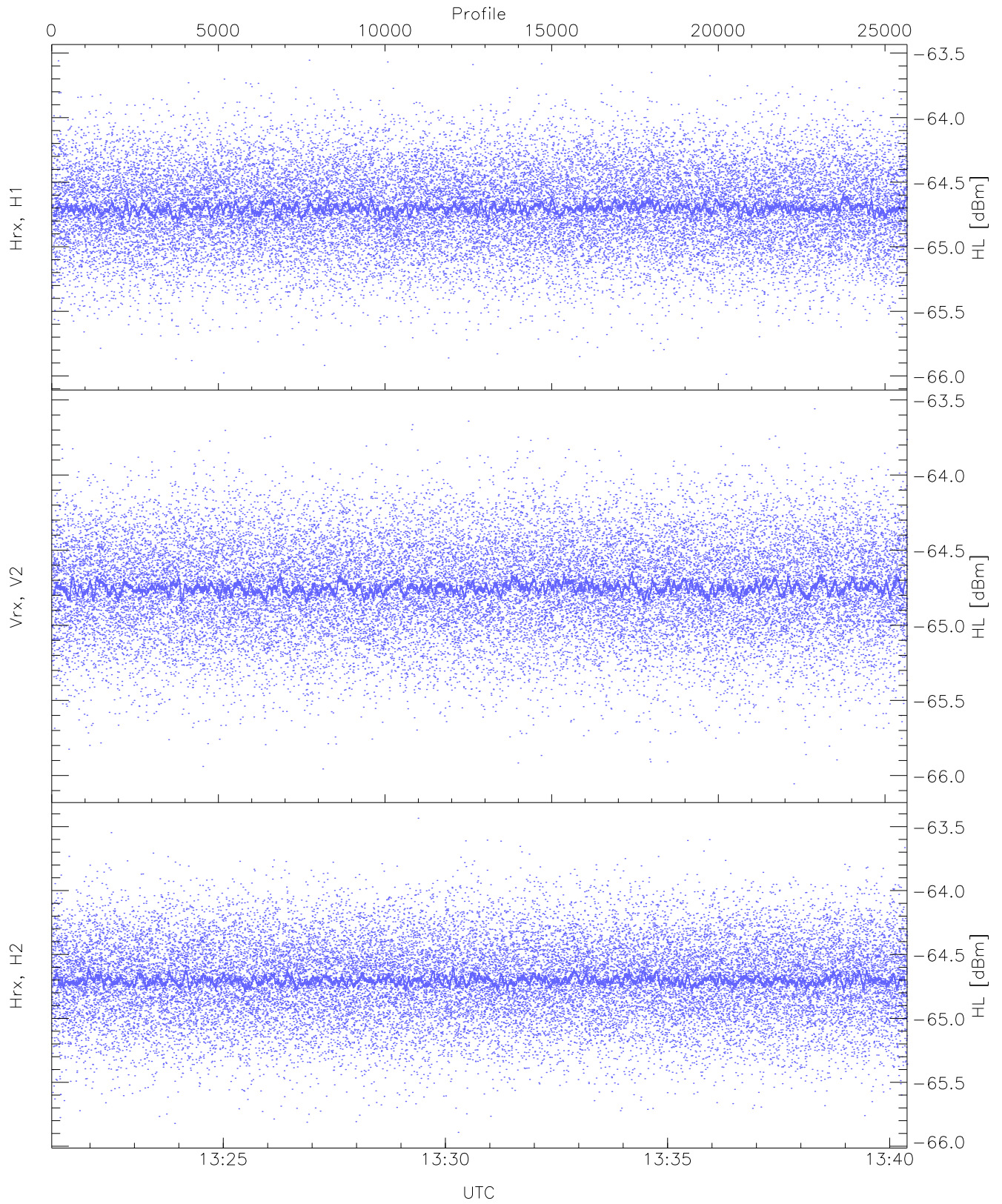
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.47 | -65.24 | -65.35 | -65.35 | -86.85 |
| RMPHrxH1(std_dBm) | -76.10 | -74.69 | -75.37 | -75.37 | -89.17 |
| RMPVrxV2(mean_dBm) | -65.10 | -64.83 | -64.96 | -64.96 | -86.31 |
| RMPVrxV2(std_dBm) | -75.72 | -74.24 | -74.98 | -74.99 | -88.79 |
| RMPHrxH2(mean_dBm) | -65.04 | -64.80 | -64.92 | -64.92 | -86.41 |
| RMPHrxH2(std_dBm) | -75.67 | -74.24 | -74.94 | -74.94 | -88.72 |



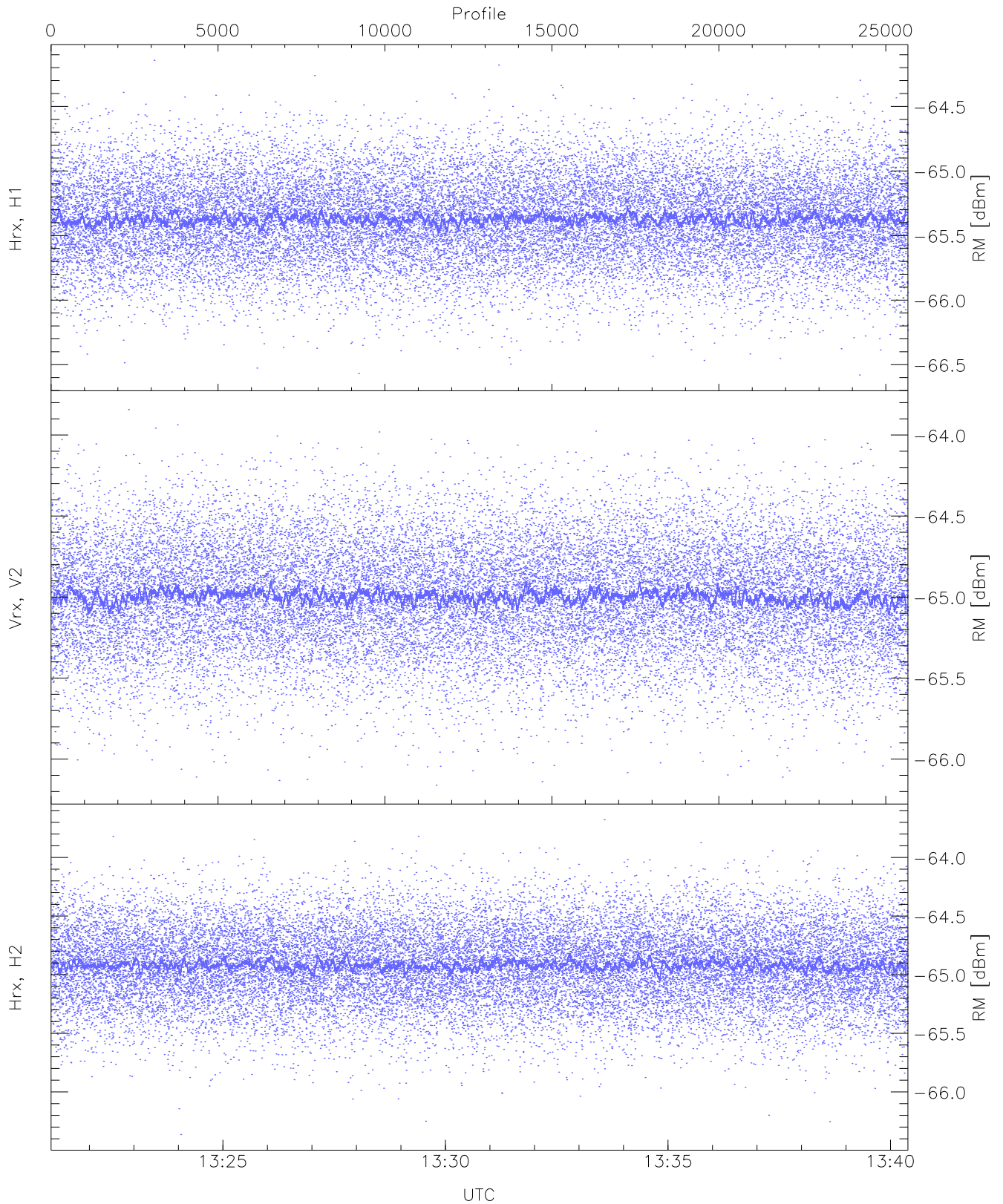
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.11 | -63.79 | -64.89 | -64.89 | -76.40 |
| Vrx, V2 (WL [dBm]) | -66.12 | -63.74 | -64.91 | -64.92 | -76.36 |
| Hrx, H2 (WL [dBm]) | -66.26 | -63.67 | -64.89 | -64.89 | -76.38 |



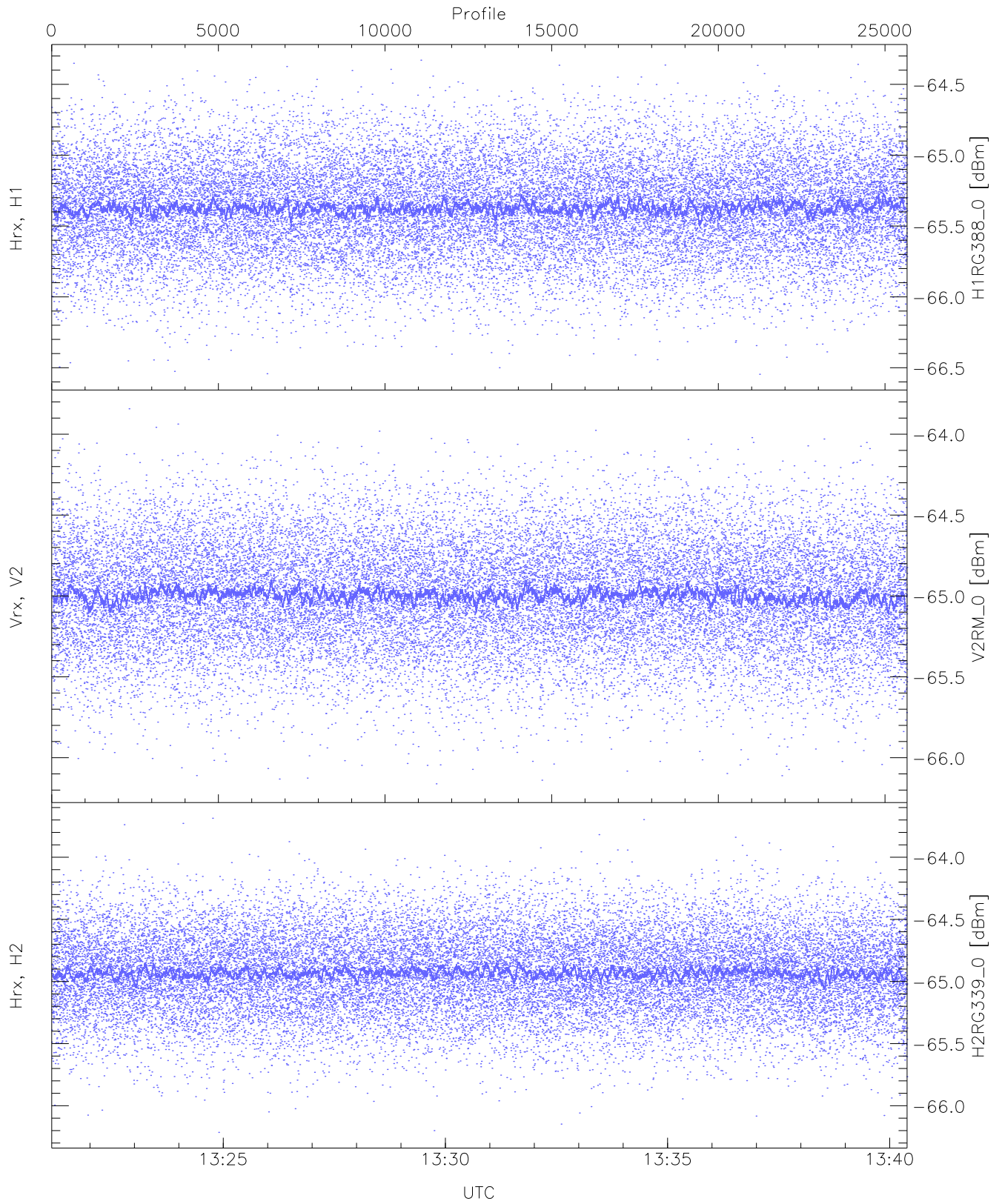
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.99 | -63.56 | -64.69 | -64.70 | -76.23 |
| Vrx, V2 (HL [dBm]) | -66.06 | -63.56 | -64.74 | -64.75 | -76.27 |
| Hrx, H2 (HL [dBm]) | -65.89 | -63.43 | -64.69 | -64.70 | -76.20 |



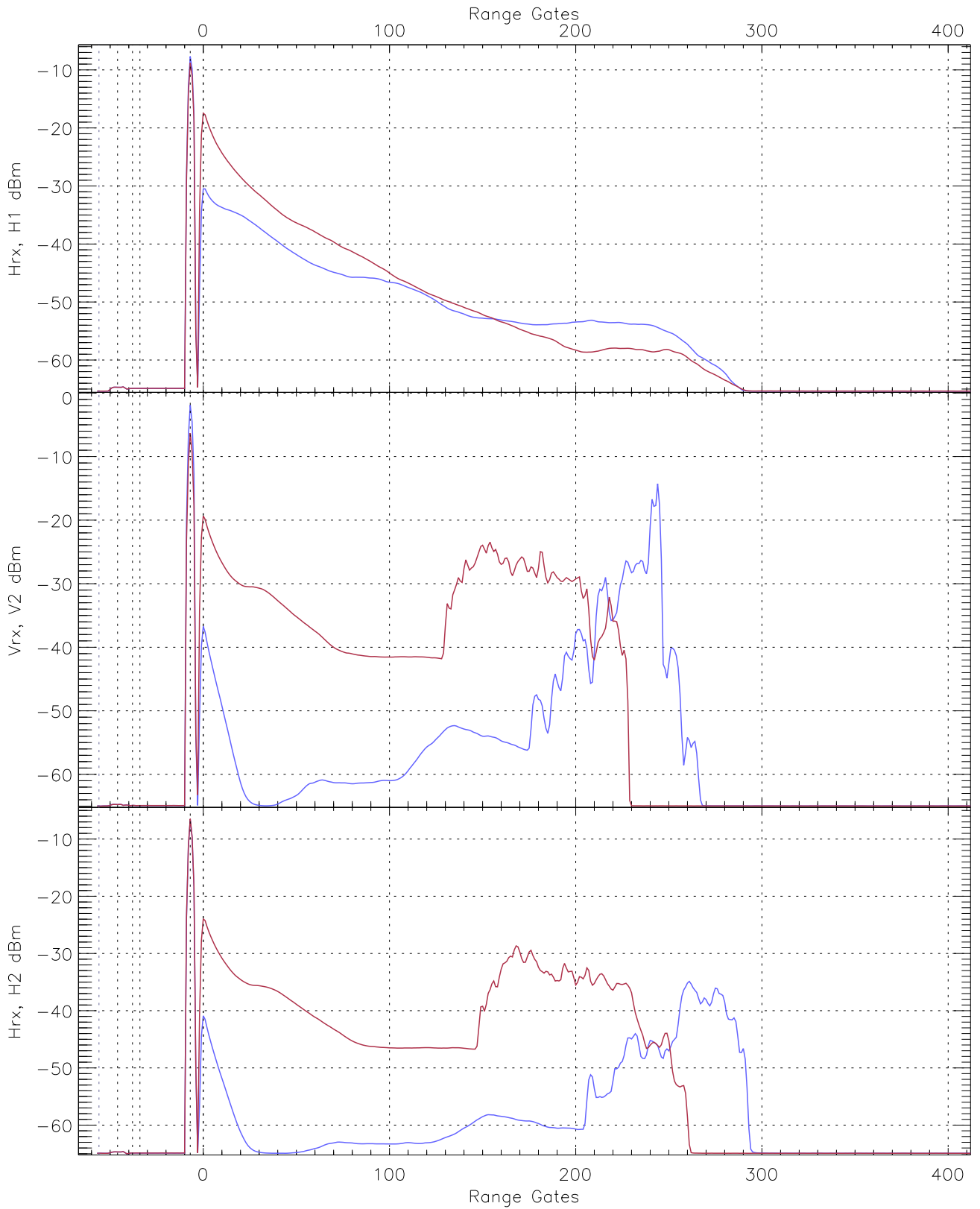
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.58 | -64.14 | -65.36 | -65.37 | -76.87 |
| Vrx, V2 (RM [dBm]) | -66.16 | -63.84 | -64.99 | -65.00 | -76.49 |
| Hrx, H2 (RM [dBm]) | -66.36 | -63.68 | -64.91 | -64.92 | -76.41 |

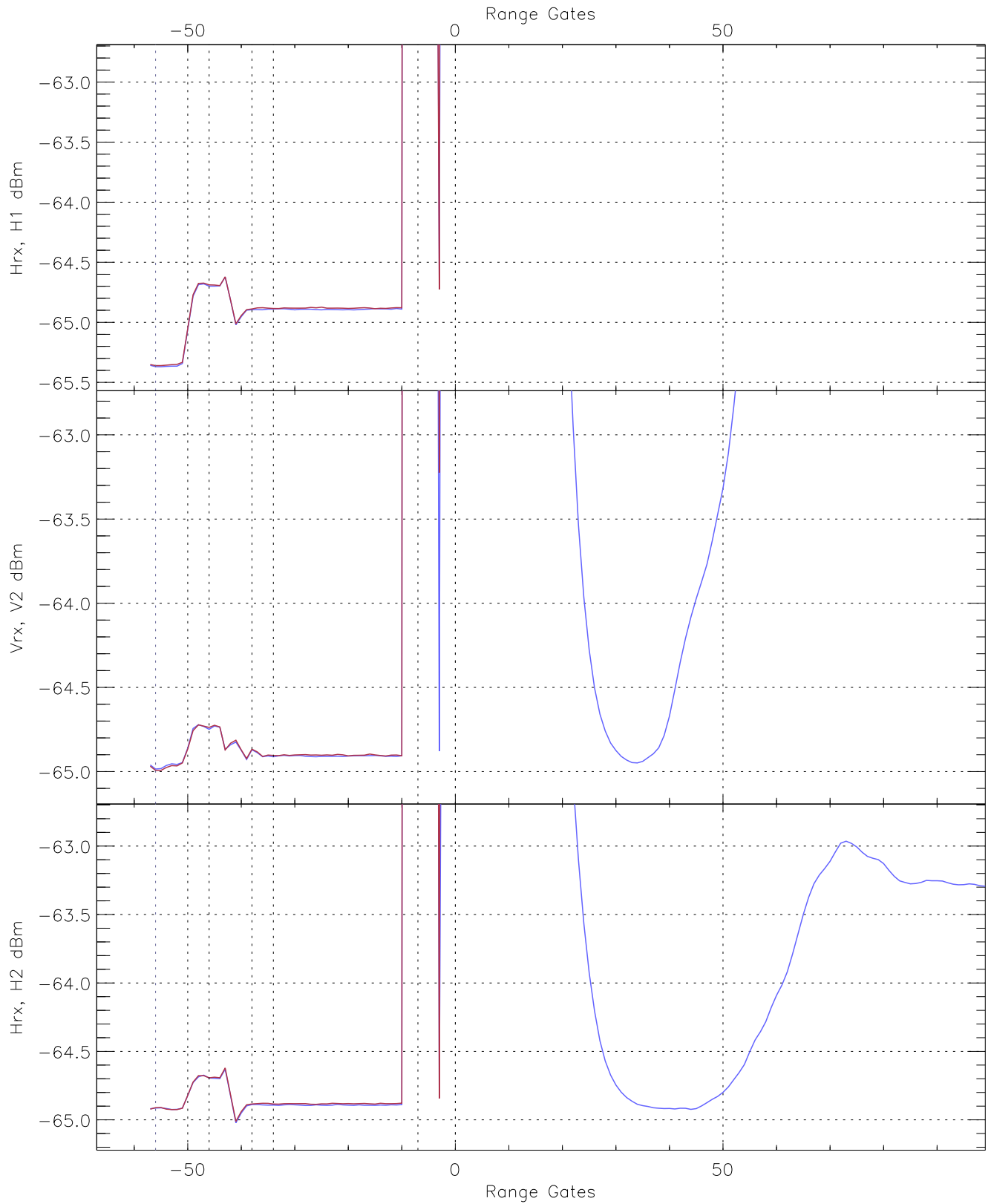


WCR3 CPP "Best" estimate Receivers Noise Power

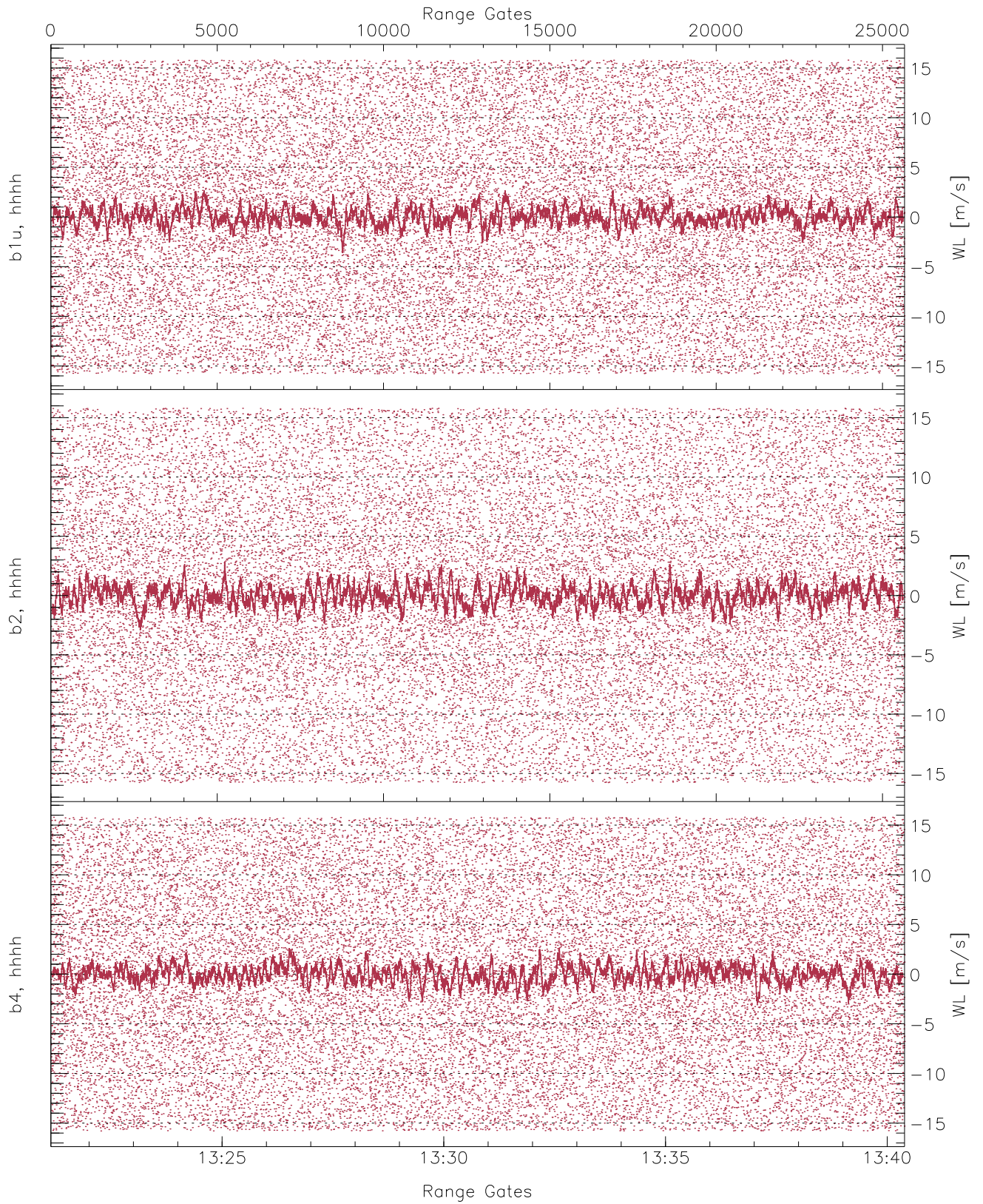
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG388_0 [dBm] | -66.55 | -64.33 | -65.36 | -65.37 | -76.86 |
| V2RM_0 [dBm] | -66.16 | -63.84 | -64.99 | -65.00 | -76.49 |
| H2RG339_0 [dBm] | -66.21 | -63.69 | -64.93 | -64.93 | -76.42 |



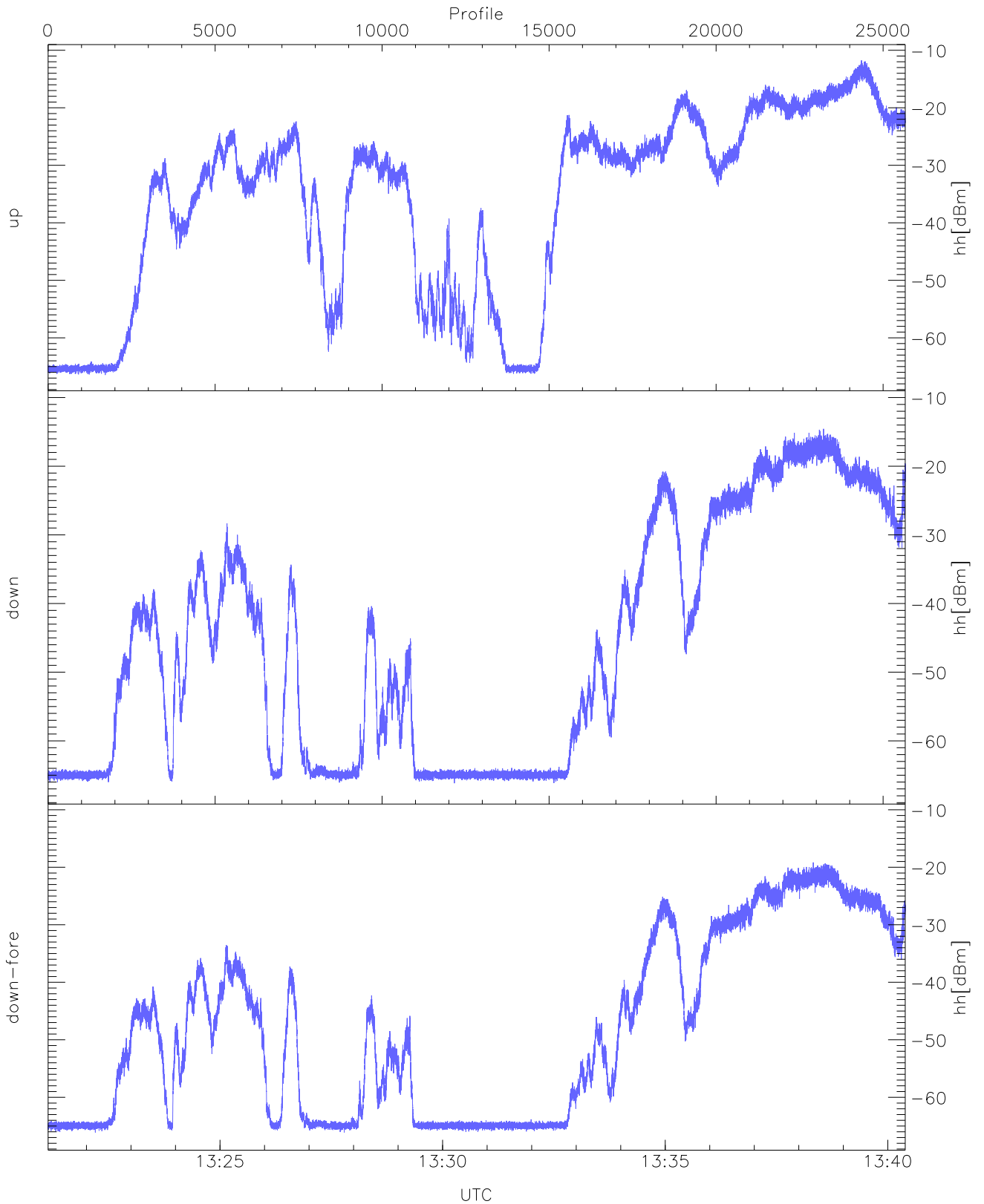
WCR3 CPP Averaged Received power for all recorded gates
blue: 132108-133046, 12833 profiles averaged
red: 133046-134023, 12832 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 132108-133046, 12833 profiles averaged
red: 133046-134023, 12832 profiles averaged

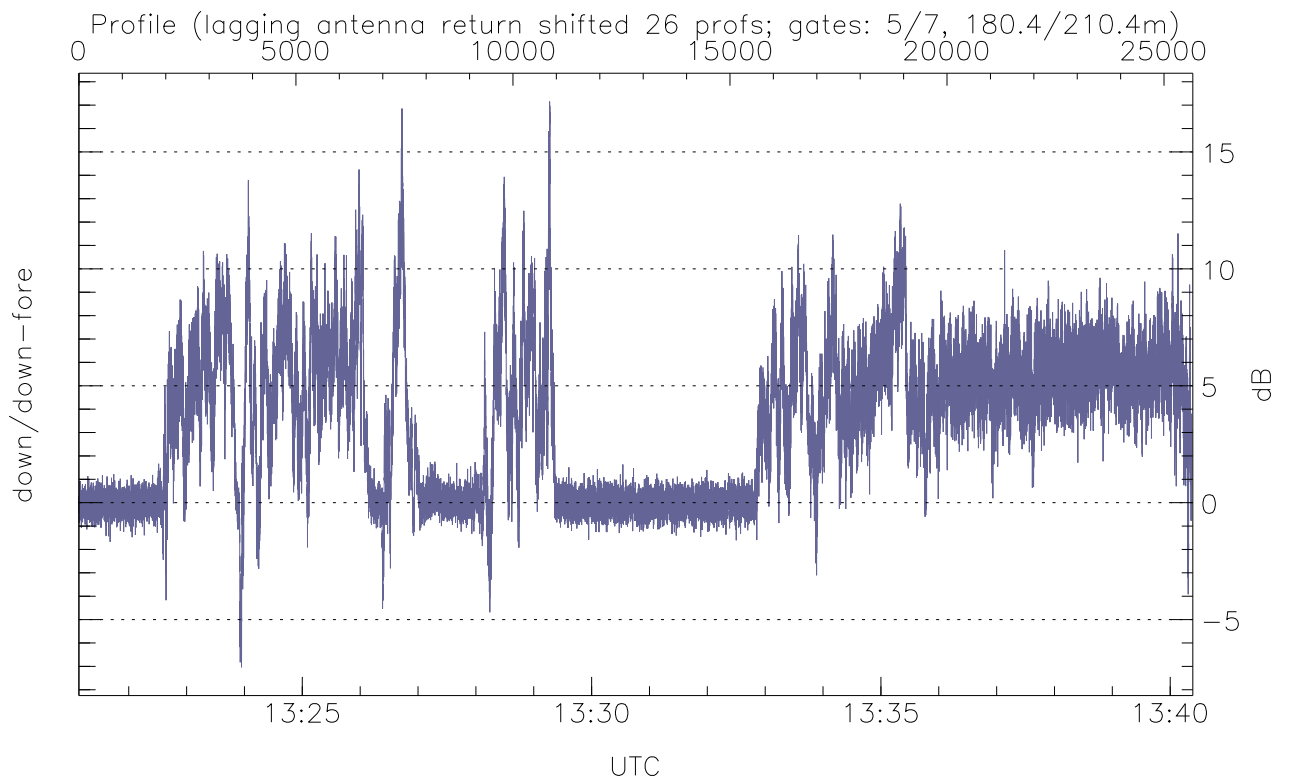
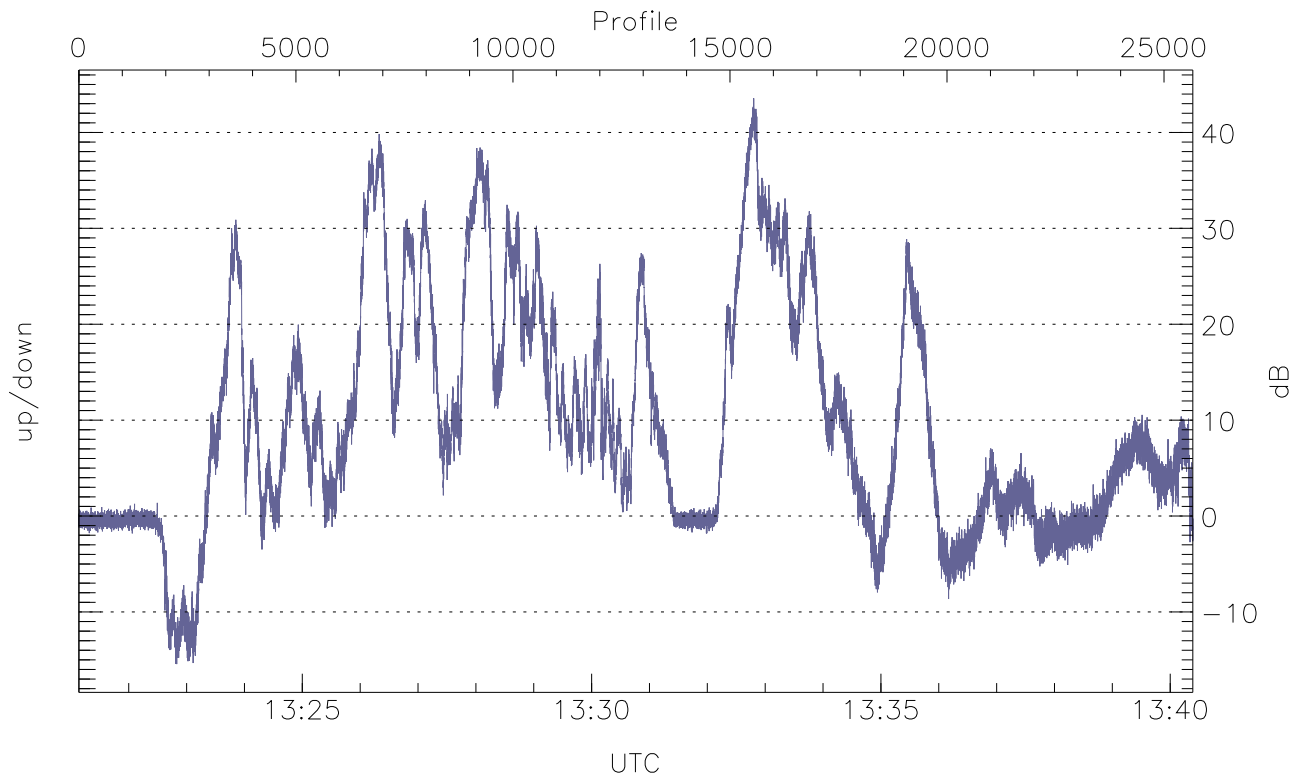


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



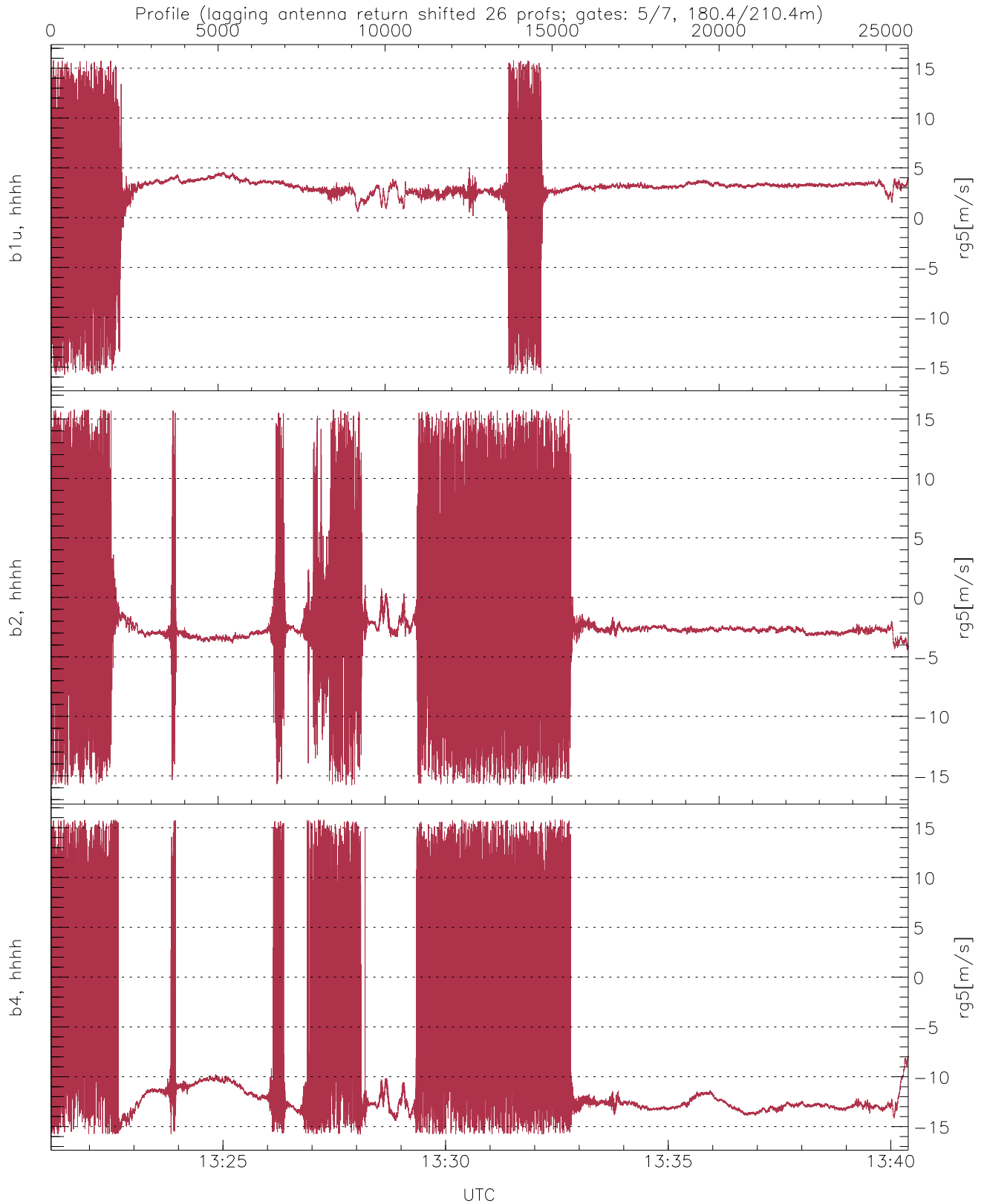
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -66.47 | -11.74 | -23.98 |
| down(hh[dBm]) | -66.17 | -14.56 | -26.47 |
| down-fore(hh[dBm]) | -66.10 | -19.16 | -30.69 |



WCR3 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -15.44 | 43.56 | 9.64 |
| down/down-fore (dB) | -7.04 | 17.16 | 3.46 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.76 | 15.79 | 2.74 | 3.09 |
| b2, hhhh(rg5[m/s]) | -15.78 | 15.79 | -1.93 | 4.71 |
| b4, hhhh(rg5[m/s]) | -15.78 | 15.79 | -8.51 | 7.75 |