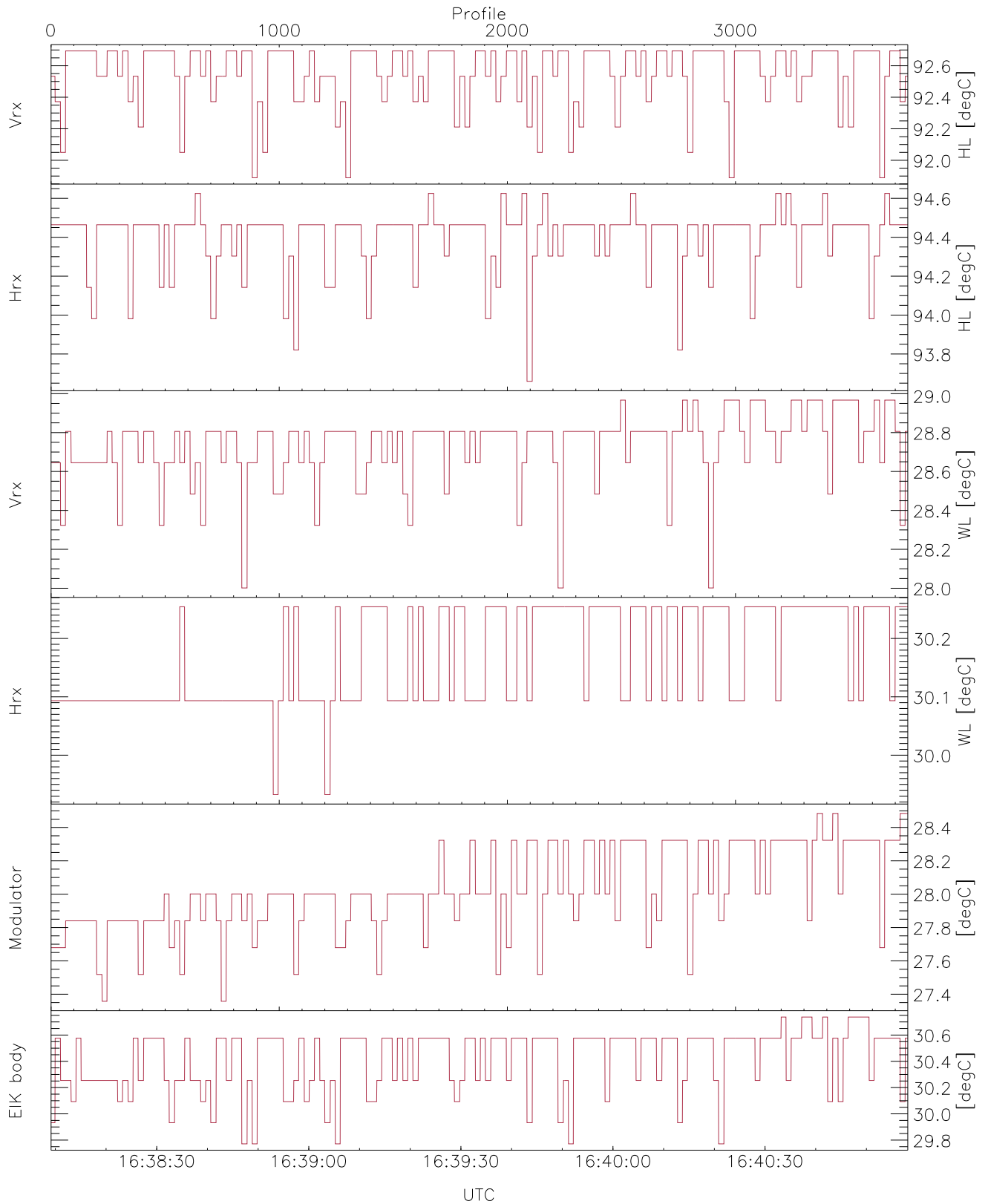


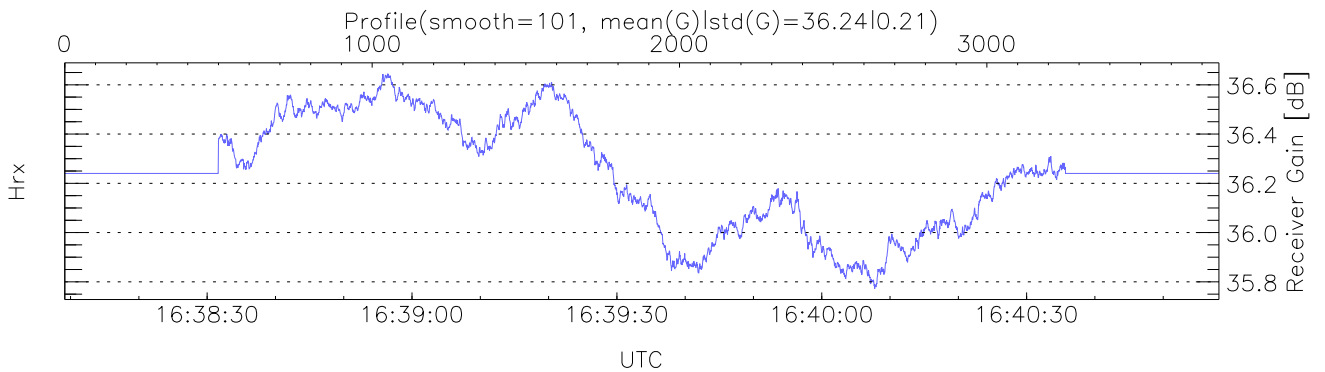
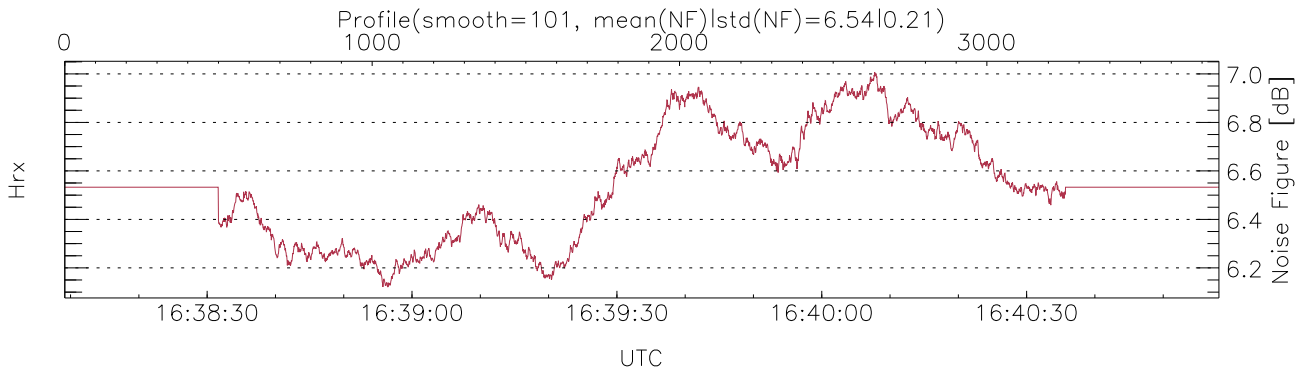
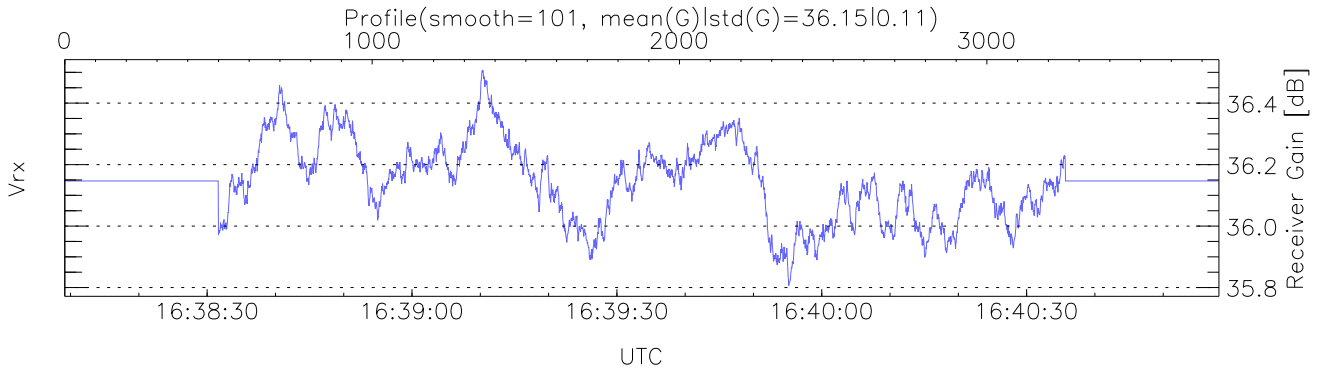
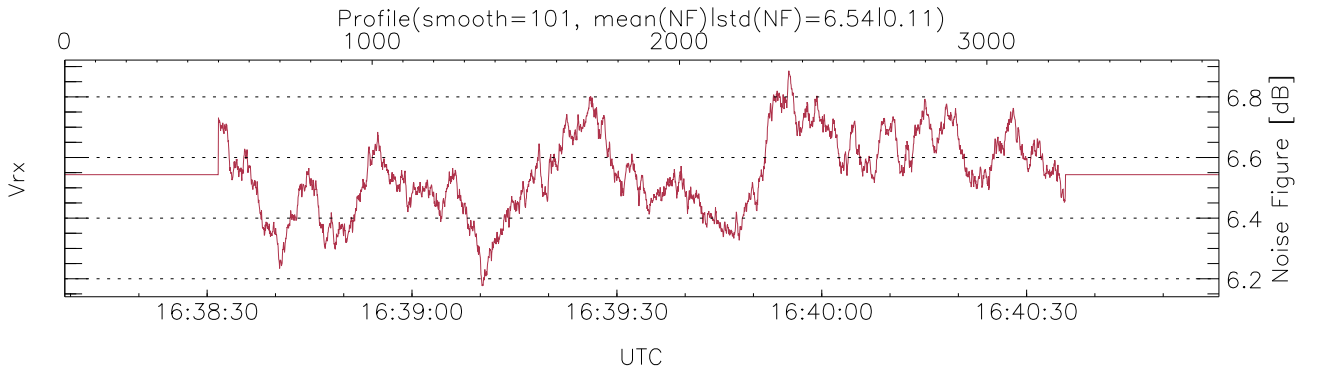
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 16:38:09-16:40:58, TimeCor: 0.00s, Dur: 169.02s
 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): 3756/3756, 0-3755/16:38:09-16:40:58
 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 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



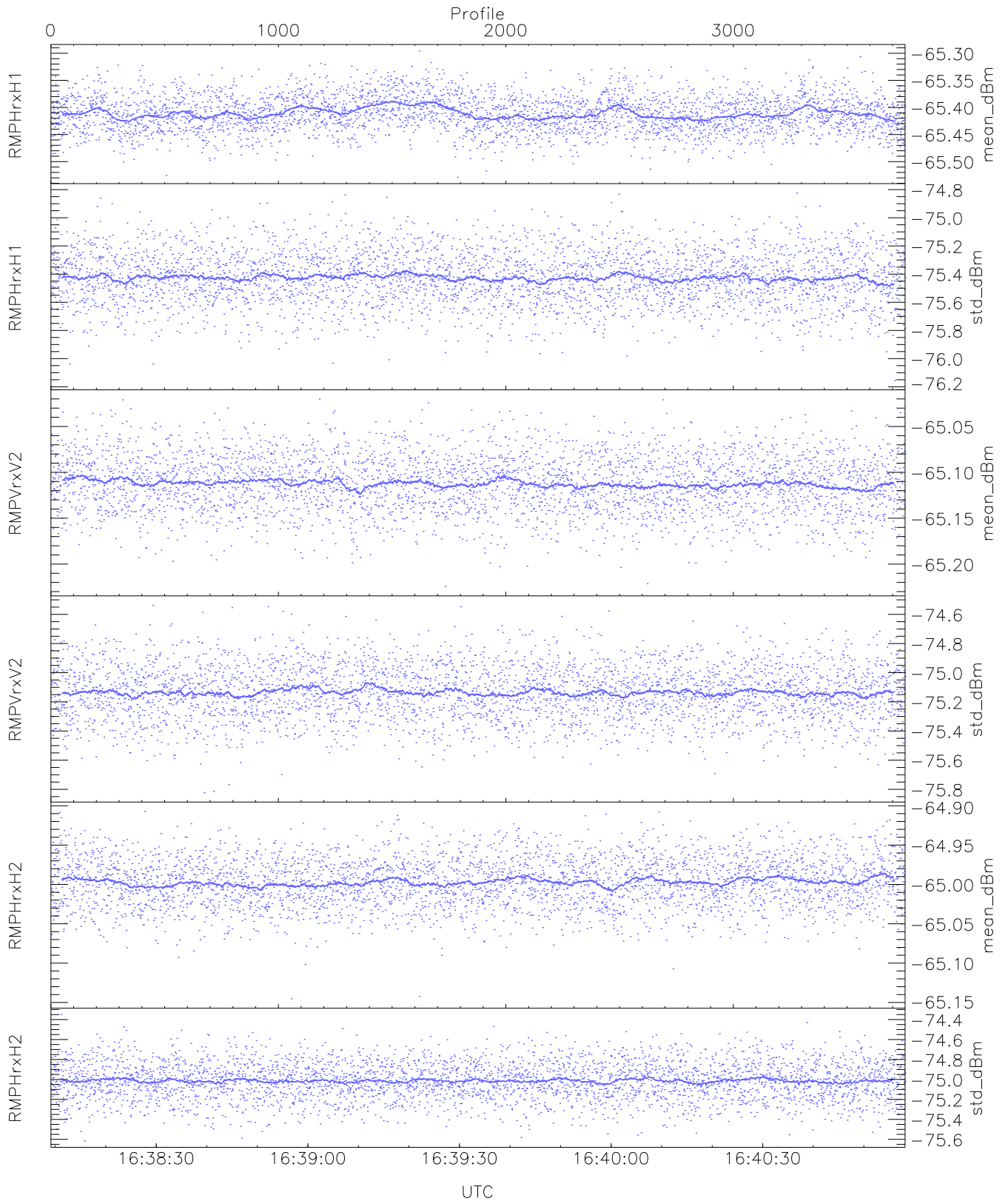
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,28,29,27,29`
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,28,30,28,30`
`LOalarm(20,240,2817,14861 MHz): 0,0,22,0`
`EIK/Modulator Faults: None`



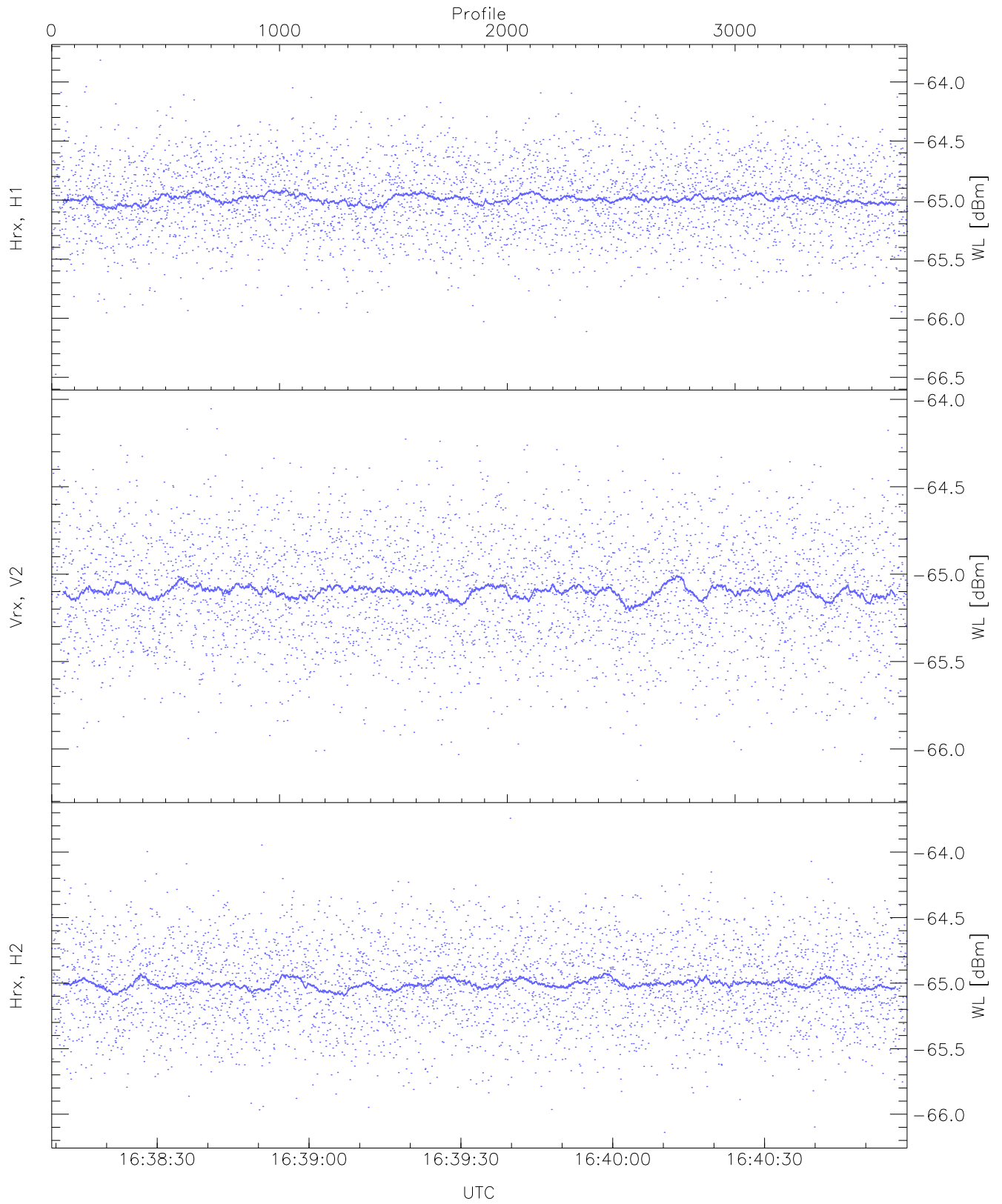
WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 0 pixs, 0 gates, 0 profs, 0 prod(s)



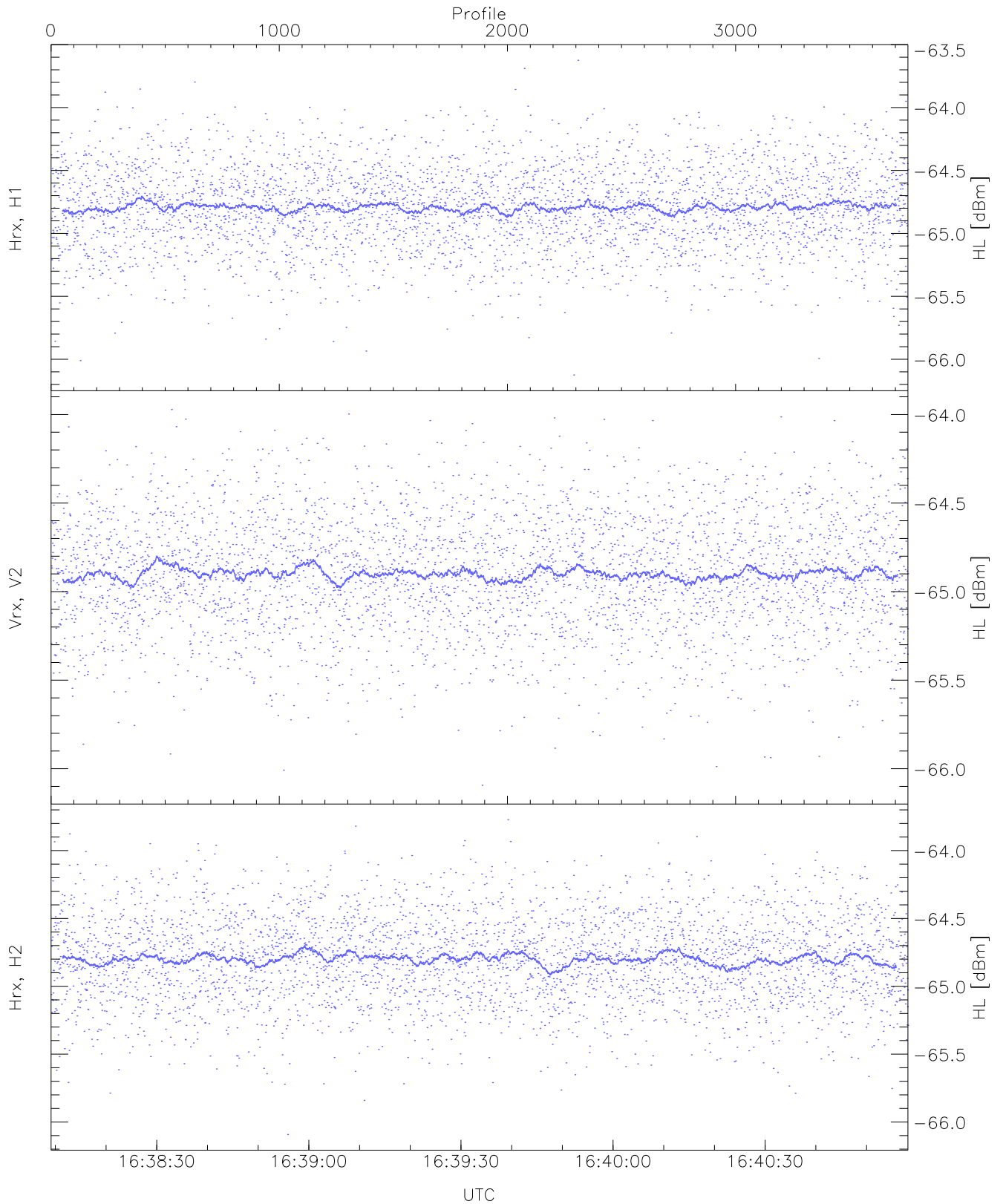
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.53 | -65.30 | -65.41 | -65.41 | -86.74 |
| RMPHrxH1(std_dBm) | -76.15 | -74.82 | -75.42 | -75.43 | -89.17 |
| RMPVrxV2(mean_dBm) | -65.22 | -65.02 | -65.11 | -65.11 | -86.76 |
| RMPVrxV2(std_dBm) | -75.82 | -74.54 | -75.13 | -75.13 | -89.00 |
| RMPHrxH2(mean_dBm) | -65.15 | -64.91 | -65.00 | -65.00 | -86.58 |
| RMPHrxH2(std_dBm) | -75.62 | -74.35 | -75.01 | -75.01 | -88.78 |



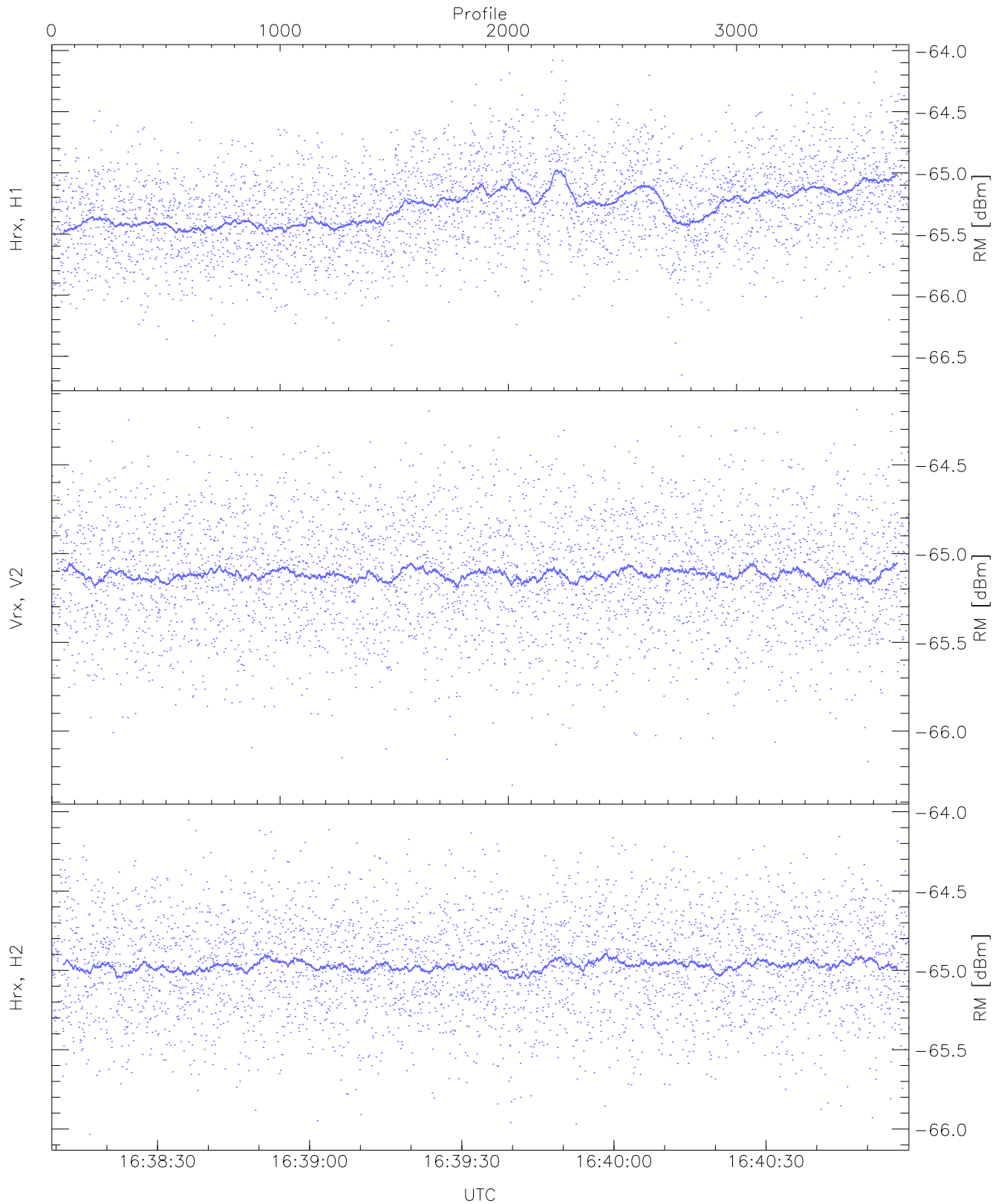
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.47 | -63.82 | -64.98 | -64.99 | -76.48 |
| Vrx, V2 (WL [dBm]) | -66.20 | -64.05 | -65.09 | -65.10 | -76.61 |
| Hrx, H2 (WL [dBm]) | -66.14 | -63.74 | -65.00 | -65.01 | -76.42 |



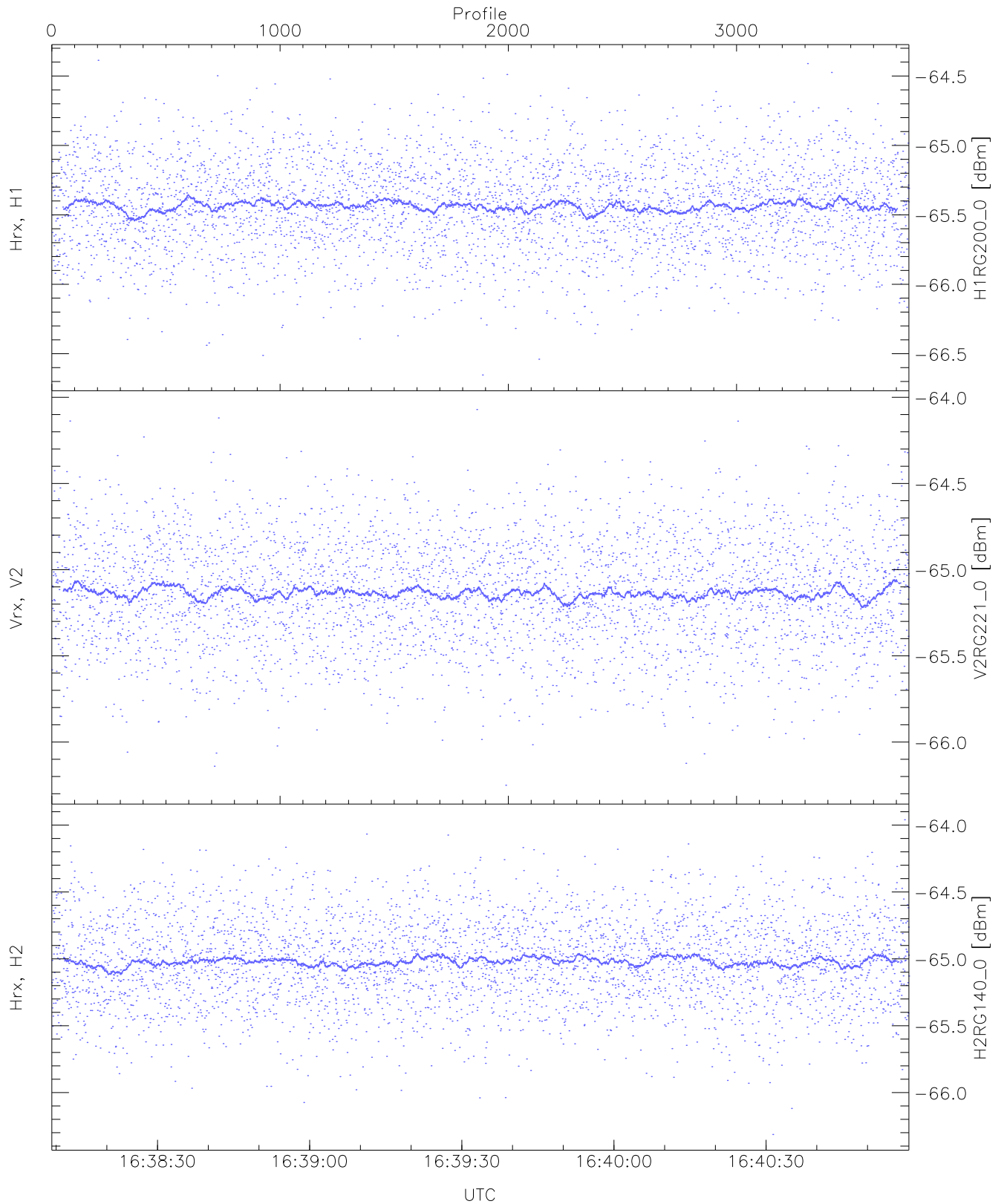
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -66.13 | -63.62 | -64.78 | -64.79 | -76.22 |
| Vrx, V2 (HL [dBm]) | -66.09 | -63.97 | -64.89 | -64.90 | -76.34 |
| Hrx, H2 (HL [dBm]) | -66.09 | -63.77 | -64.79 | -64.79 | -76.29 |



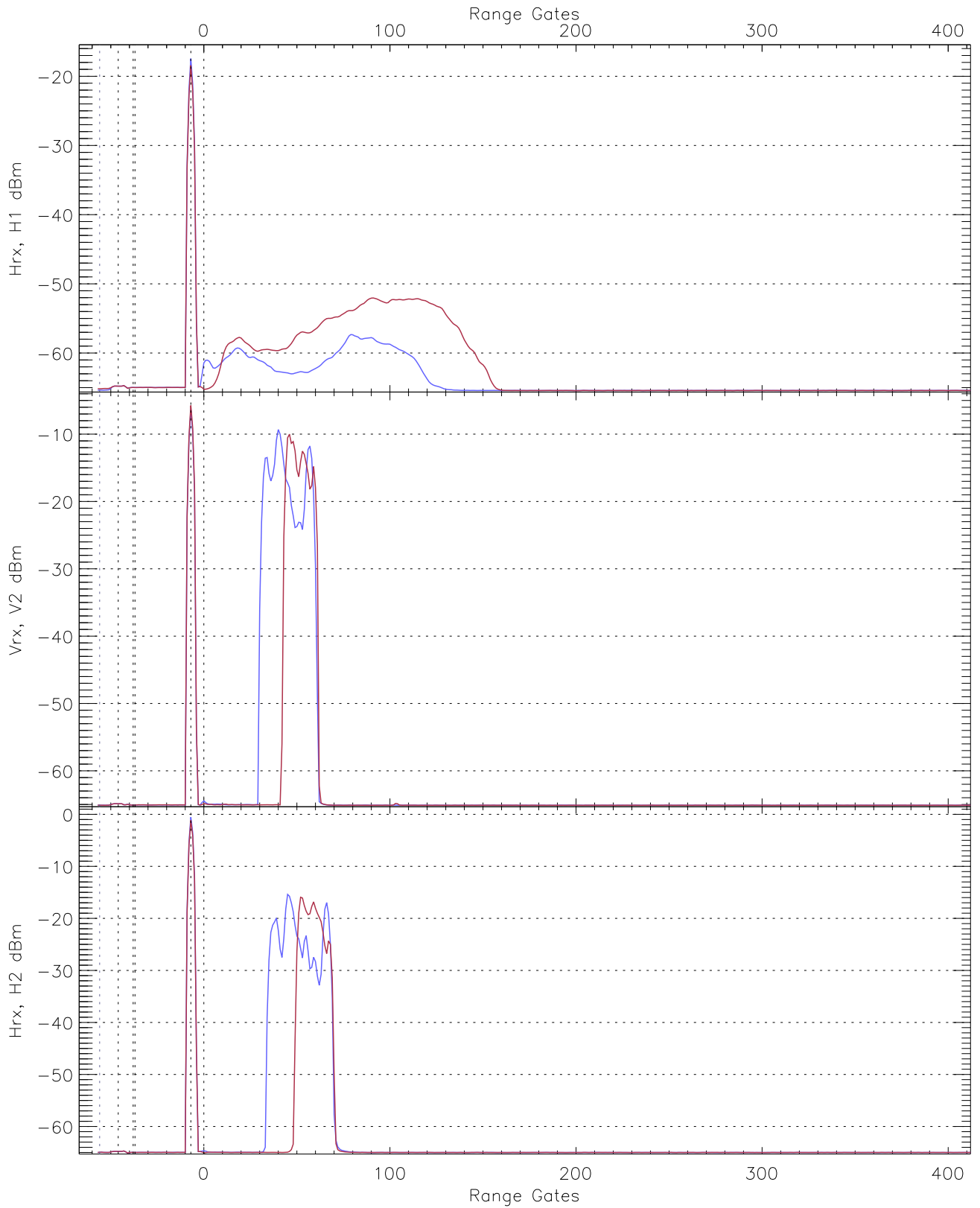
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.65 | -64.08 | -65.27 | -65.28 | -76.25 |
| Vrx, V2 (RM [dBm]) | -66.30 | -64.19 | -65.11 | -65.11 | -76.57 |
| Hrx, H2 (RM [dBm]) | -66.03 | -64.05 | -64.96 | -64.97 | -76.54 |

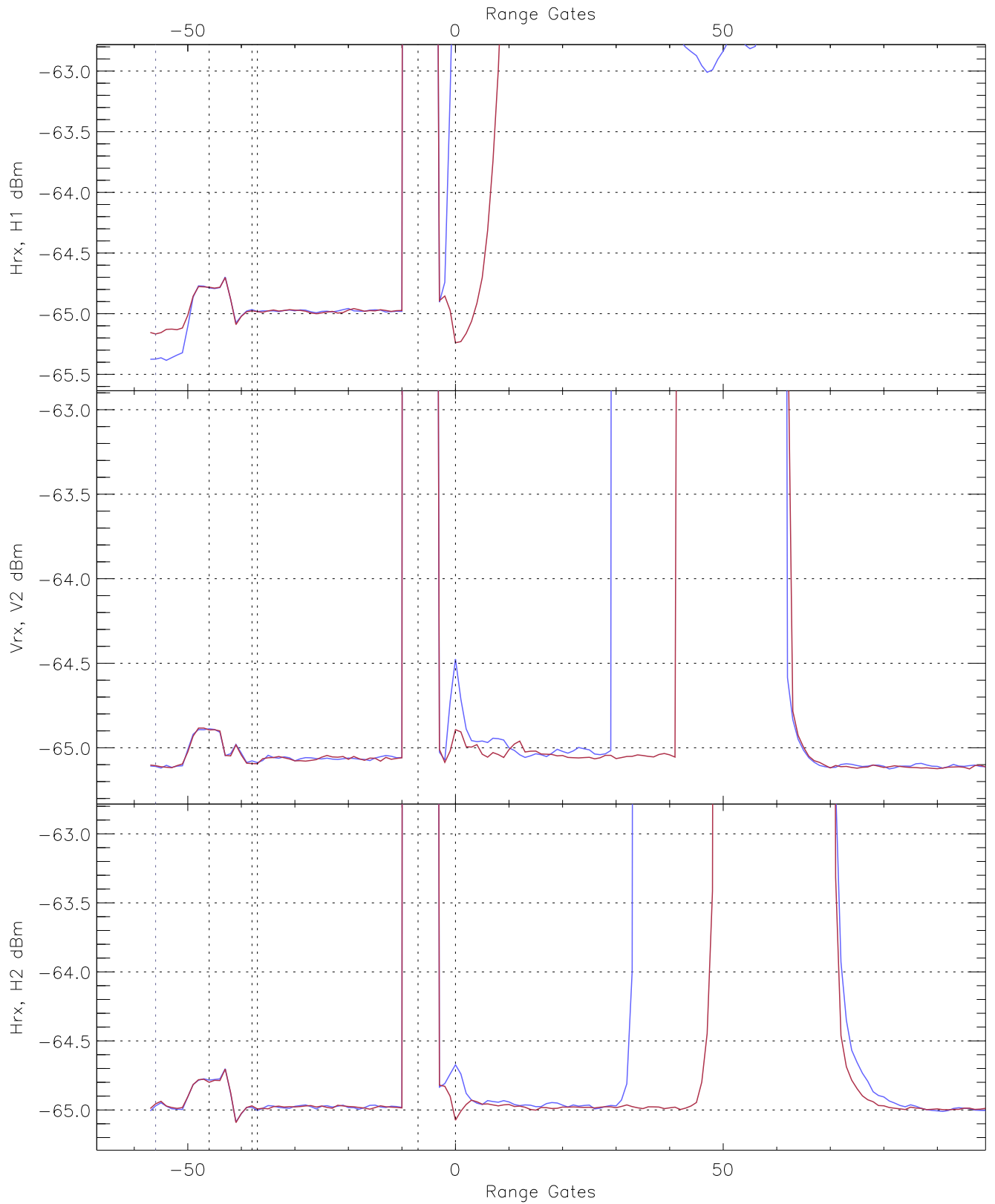


WCR3 CPP "Best" estimate Receivers Noise Power

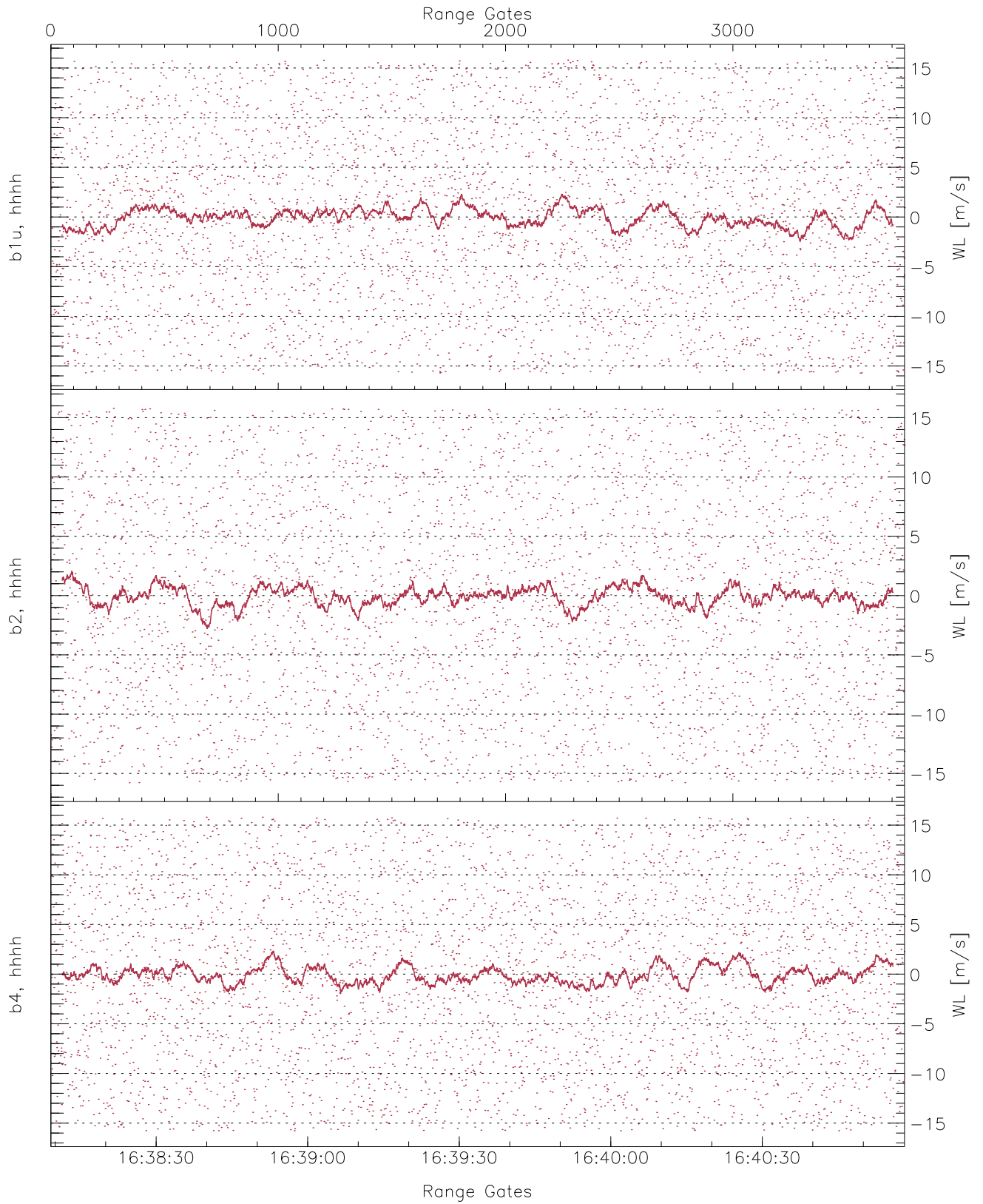
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG200_0 [dBm] | -66.65 | -64.39 | -65.43 | -65.44 | -76.92 |
| V2RG221_0 [dBm] | -66.25 | -64.07 | -65.13 | -65.13 | -76.72 |
| H2RG140_0 [dBm] | -66.31 | -63.96 | -65.01 | -65.02 | -76.45 |



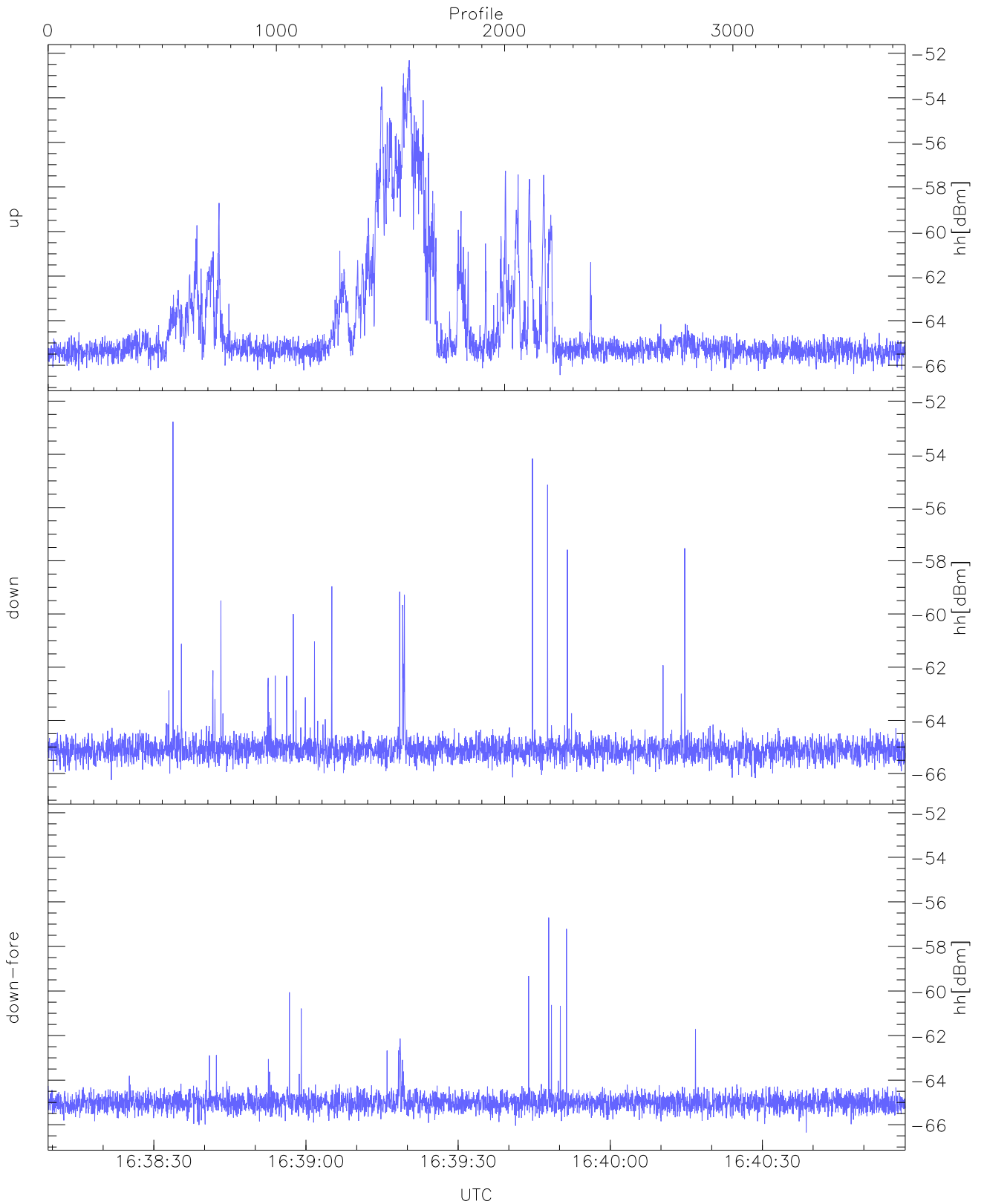
WCR3 CPP Averaged Received power for all recorded gates
blue: 163809-163934, 1879 profiles averaged
red: 163934-164058, 1878 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 163809-163934, 1879 profiles averaged
red: 163934-164058, 1878 profiles averaged

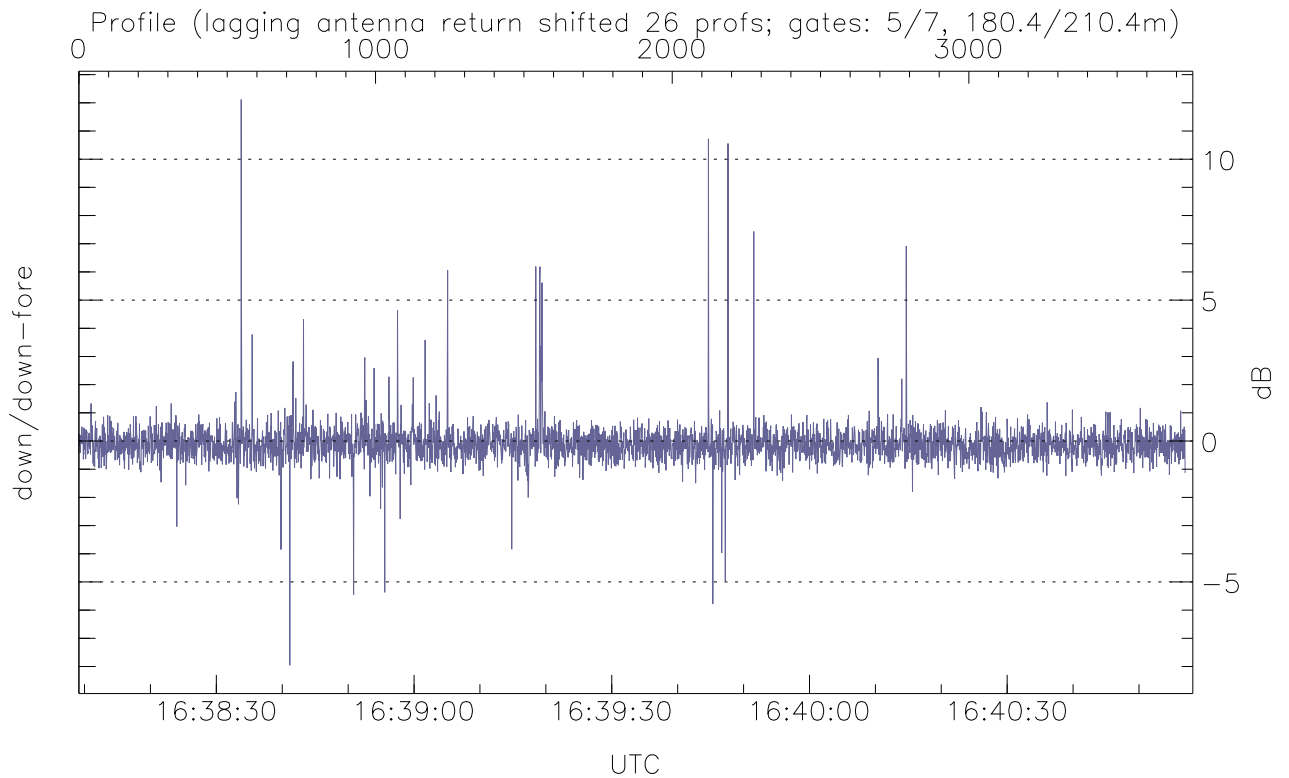
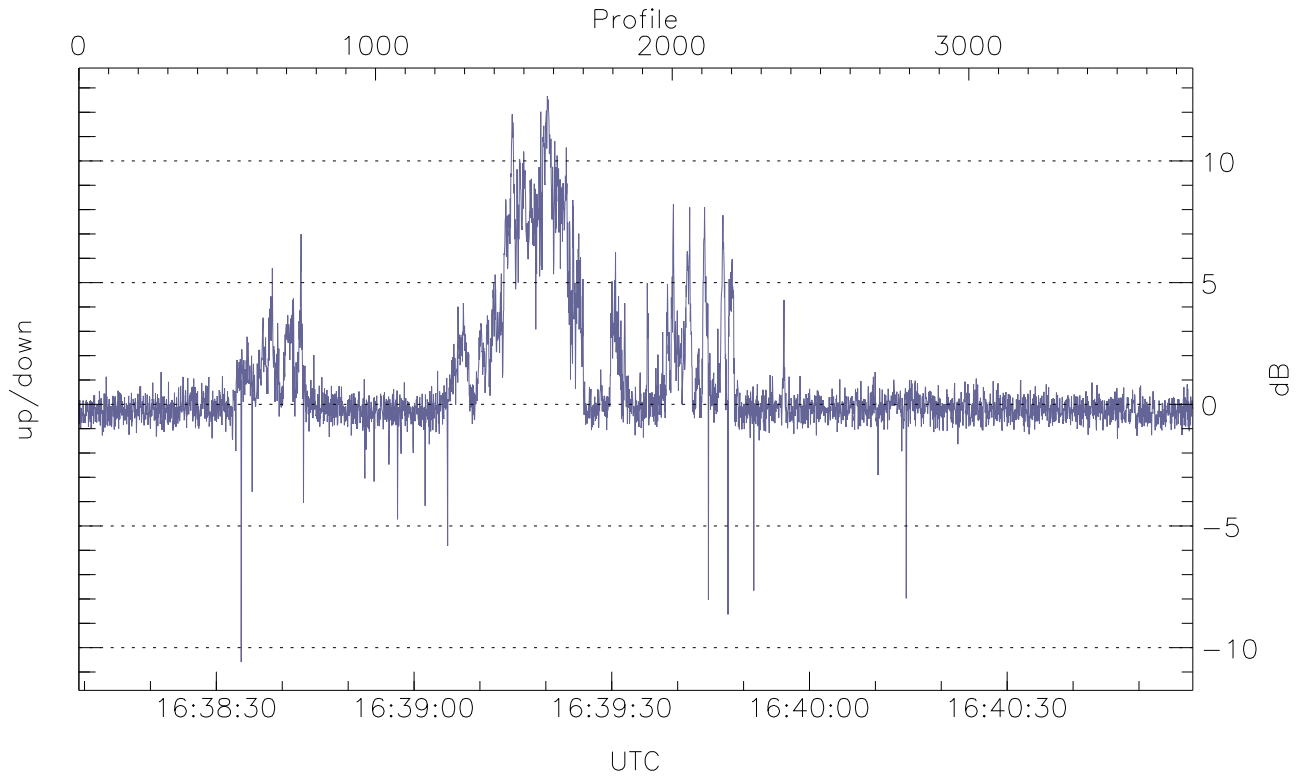


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



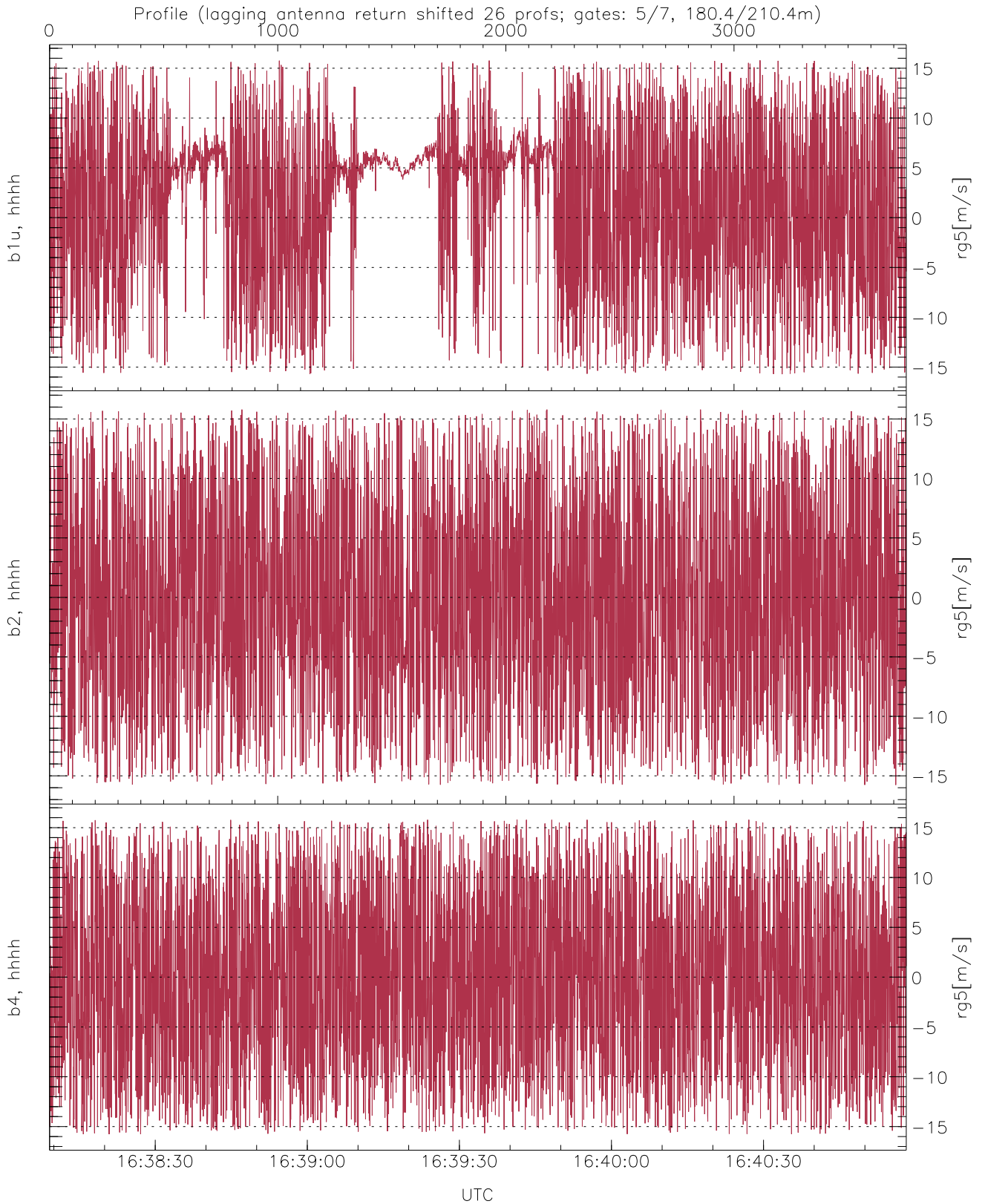
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -66.44 | -52.32 | -63.24 |
| down(hh[dBm]) | -66.24 | -52.77 | -65.00 |
| down-fore(hh[dBm]) | -66.34 | -56.71 | -64.96 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -10.59 | 12.66 | 0.78 |
| down/down-fore (dB) | -7.96 | 12.12 | -0.09 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.71 | 15.79 | 1.81 | 7.75 |
| b2, hhhh(rg5[m/s]) | -15.77 | 15.79 | -0.09 | 8.80 |
| b4, hhhh(rg5[m/s]) | -15.76 | 15.79 | -0.04 | 8.92 |