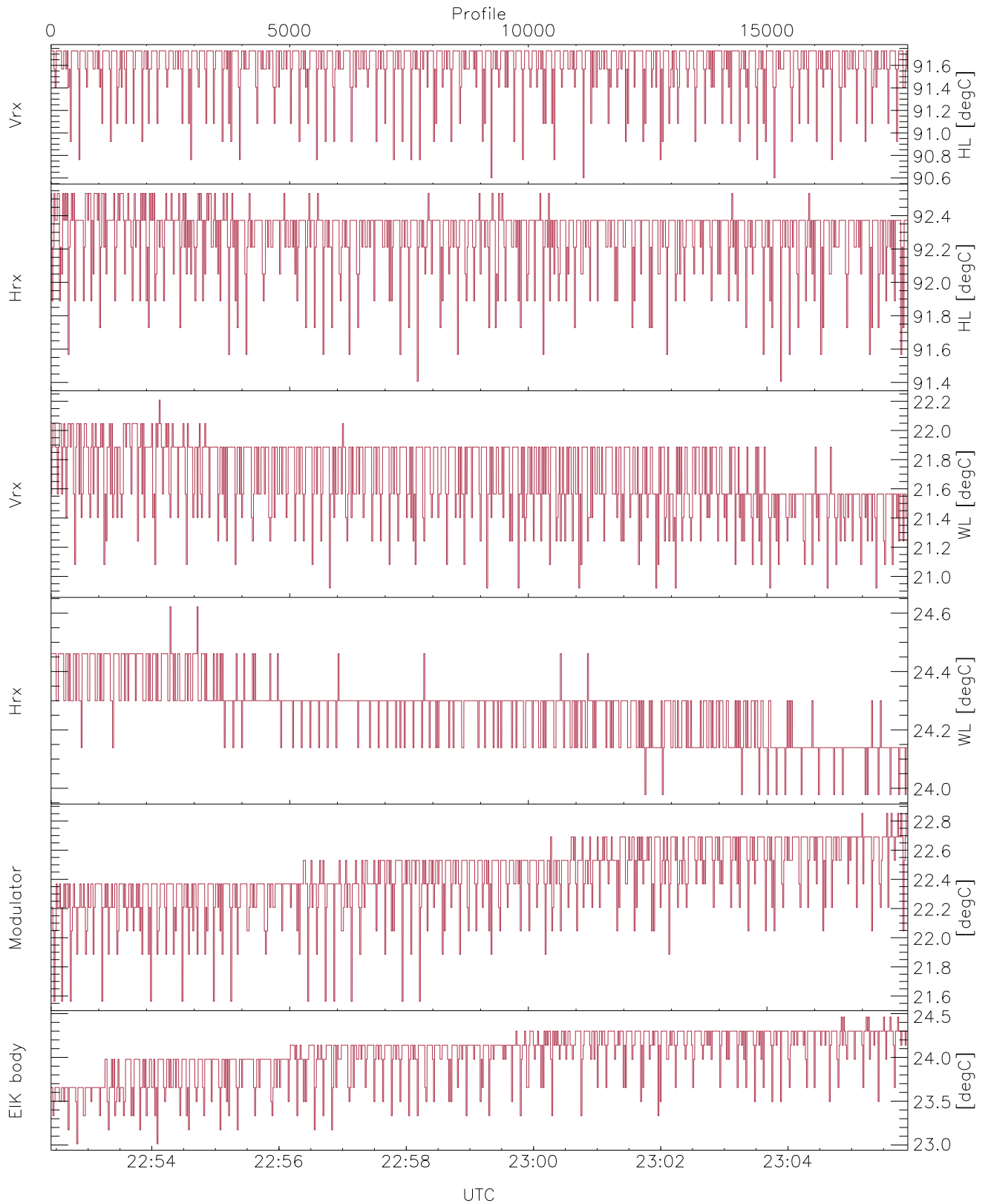




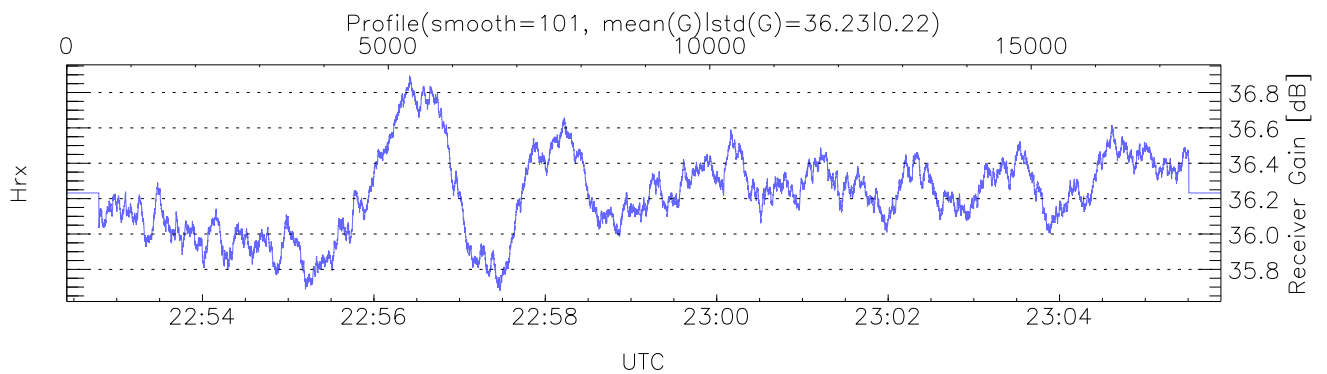
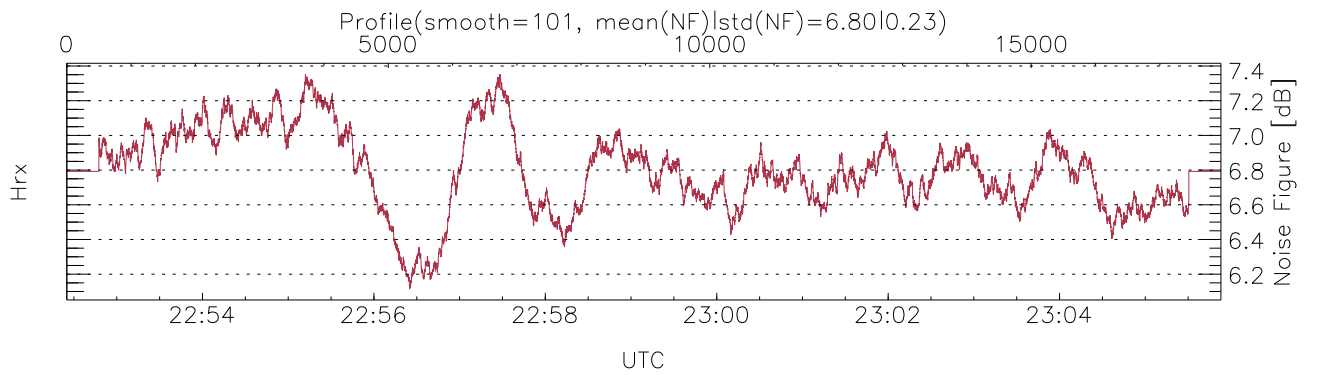
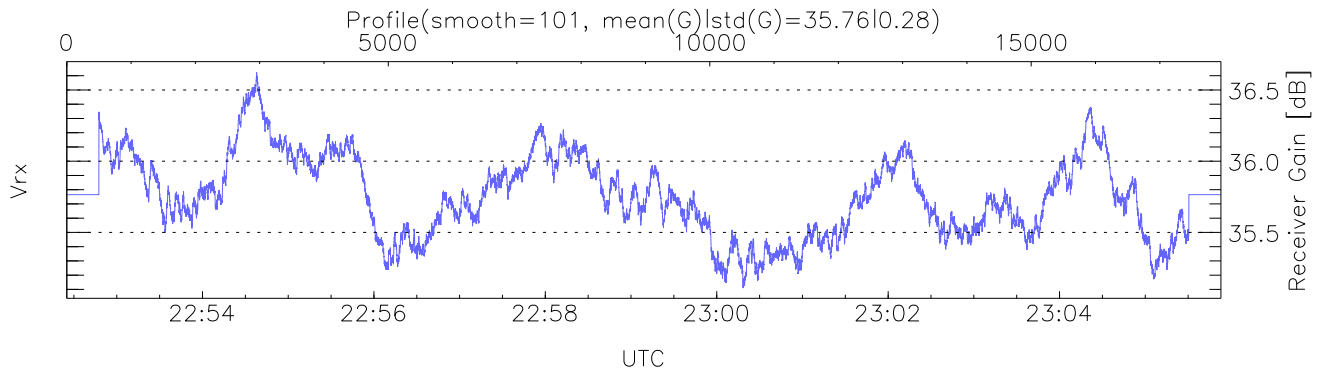
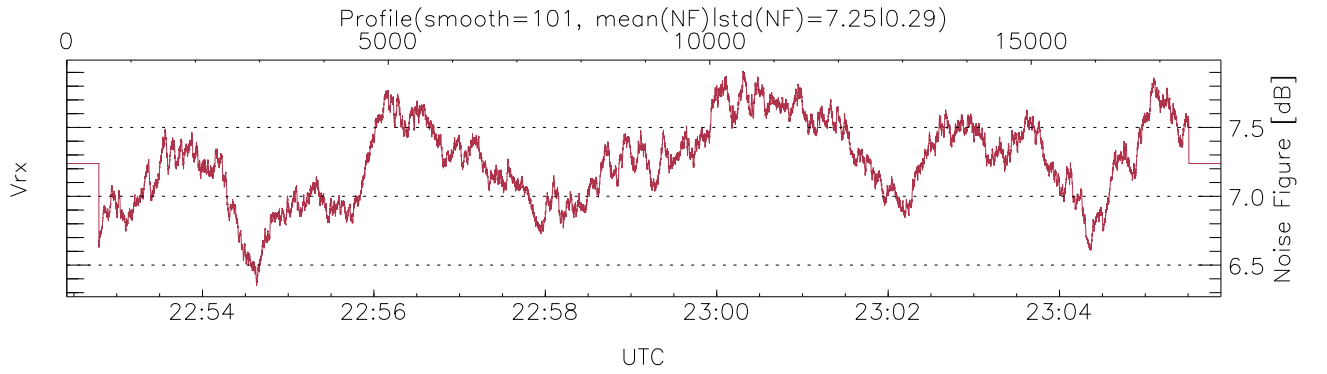
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:52:25-23:05:53, TimeCor: 0.00s, Dur: 808.00s
 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): 17952/17952, 0-17951/22:52:25-23:05:53
 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



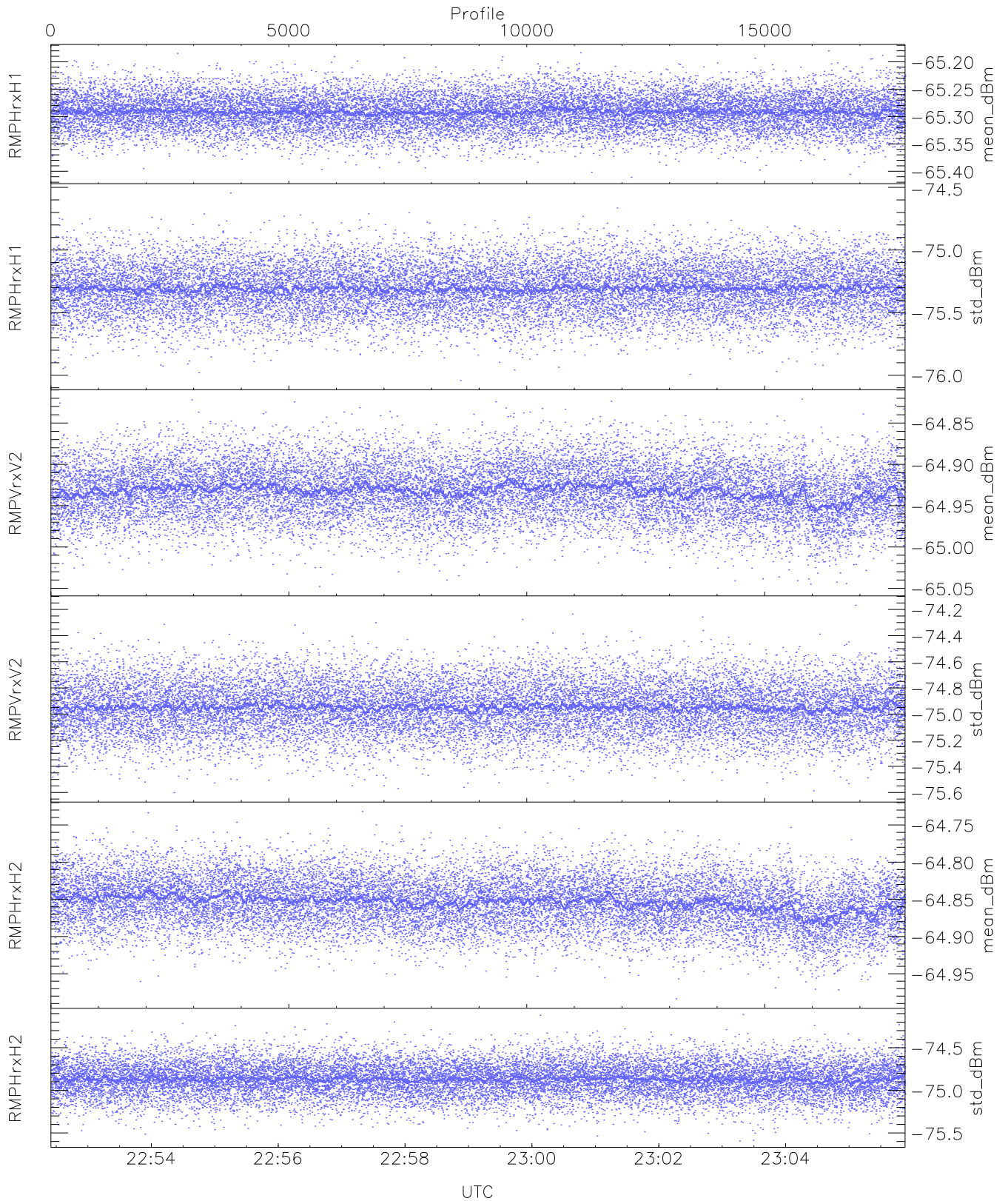
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,20,23,21,23
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,22,24,22,24
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



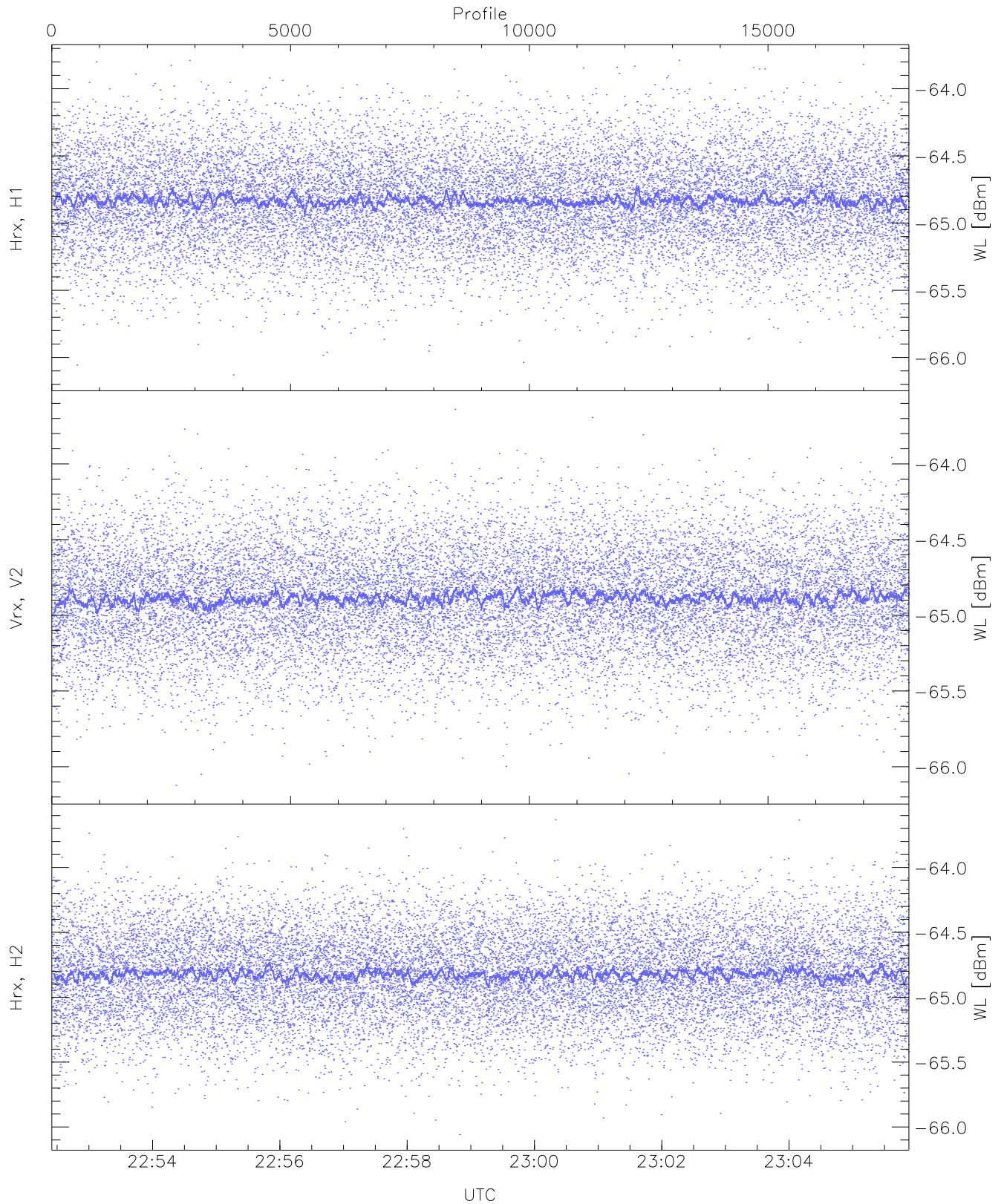
WCR3 CPP Receivers Gain and Noise Figure

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



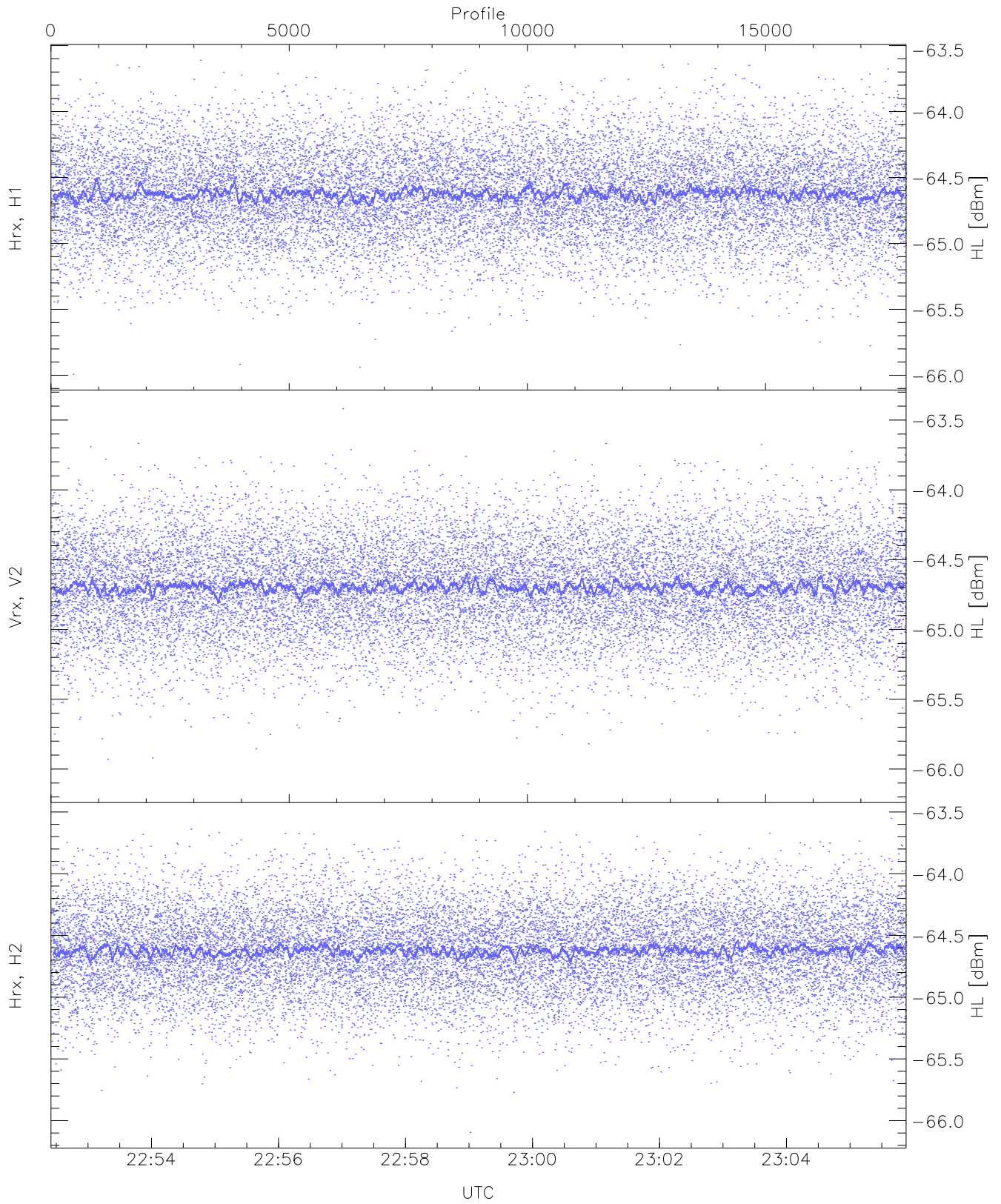
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.41 | -65.18 | -65.29 | -65.29 | -86.93 |
| RMPHrxH1(std_dBm) | -76.04 | -74.54 | -75.31 | -75.31 | -89.07 |
| RMPVrxV2(mean_dBm) | -65.05 | -64.82 | -64.93 | -64.93 | -86.45 |
| RMPVrxV2(std_dBm) | -75.60 | -74.17 | -74.95 | -74.95 | -88.78 |
| RMPHrxH2(mean_dBm) | -64.98 | -64.73 | -64.85 | -64.85 | -86.28 |
| RMPHrxH2(std_dBm) | -75.59 | -74.11 | -74.87 | -74.87 | -88.66 |



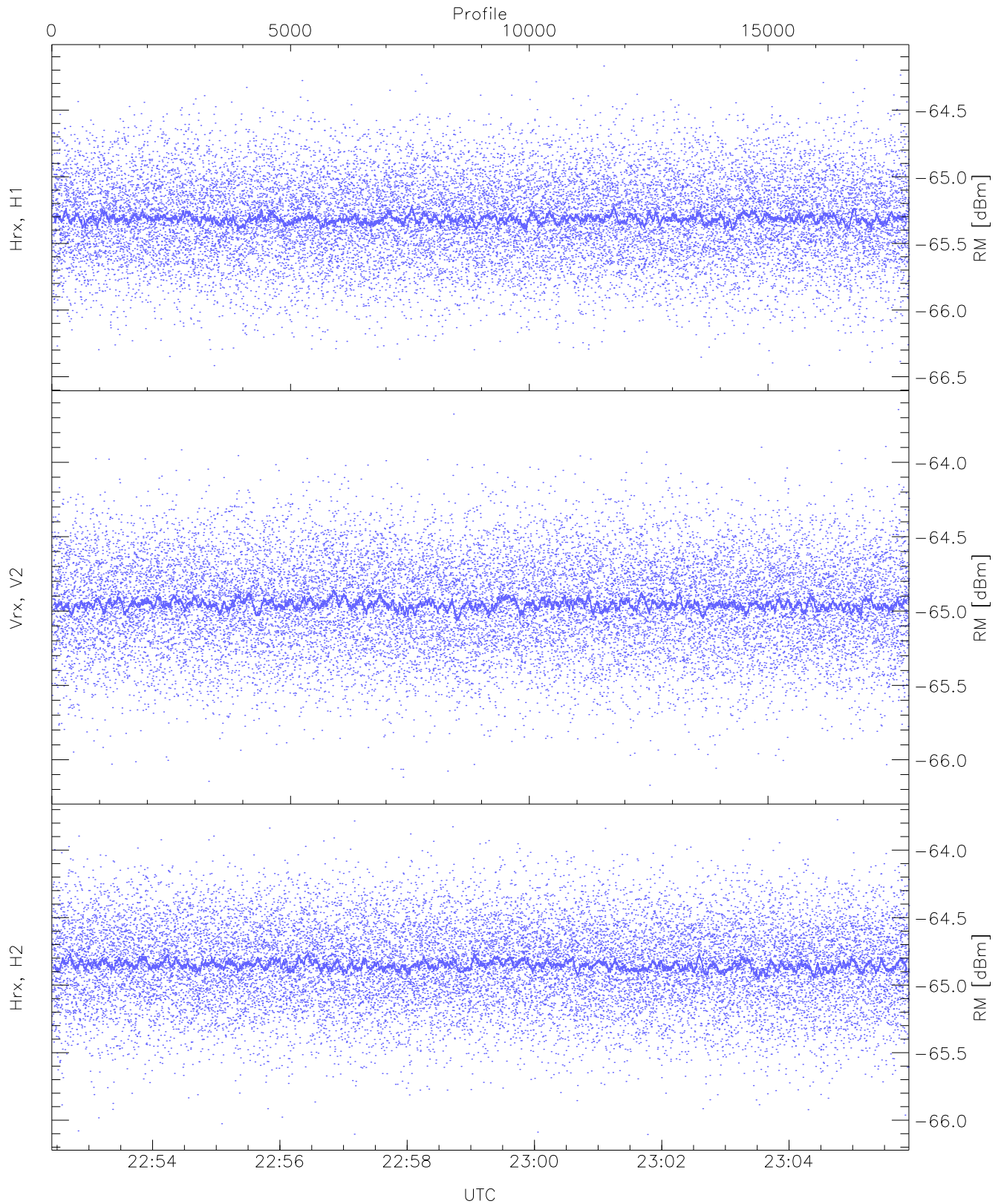
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.13 | -63.79 | -64.82 | -64.83 | -76.27 |
| Vrx, V2 (WL [dBm]) | -66.12 | -63.64 | -64.88 | -64.88 | -76.40 |
| Hrx, H2 (WL [dBm]) | -66.06 | -63.63 | -64.82 | -64.82 | -76.29 |



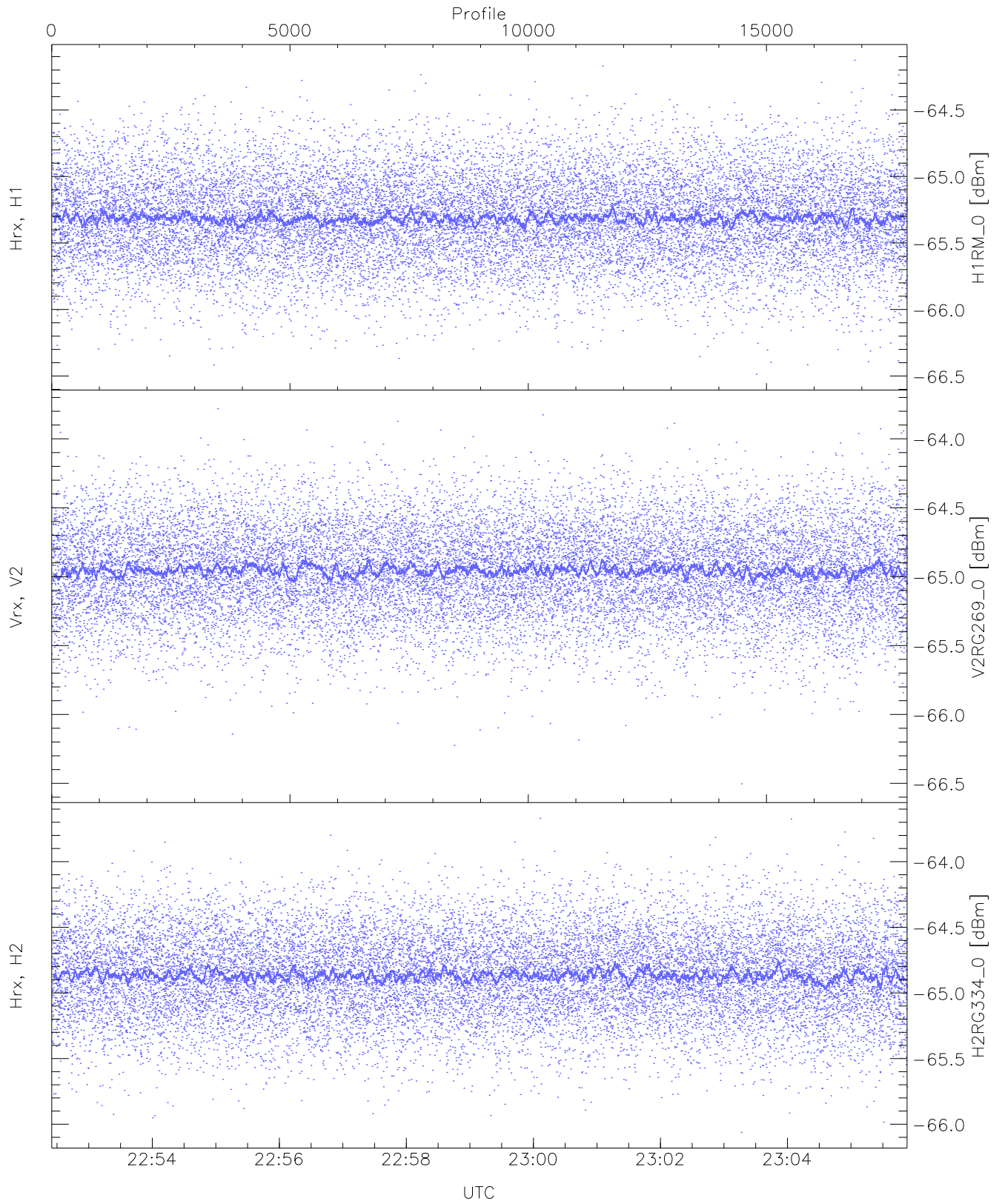
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.99 | -63.61 | -64.62 | -64.63 | -76.13 |
| Vrx, V2 (HL [dBm]) | -66.11 | -63.42 | -64.69 | -64.70 | -76.20 |
| Hrx, H2 (HL [dBm]) | -66.09 | -63.55 | -64.62 | -64.62 | -76.13 |



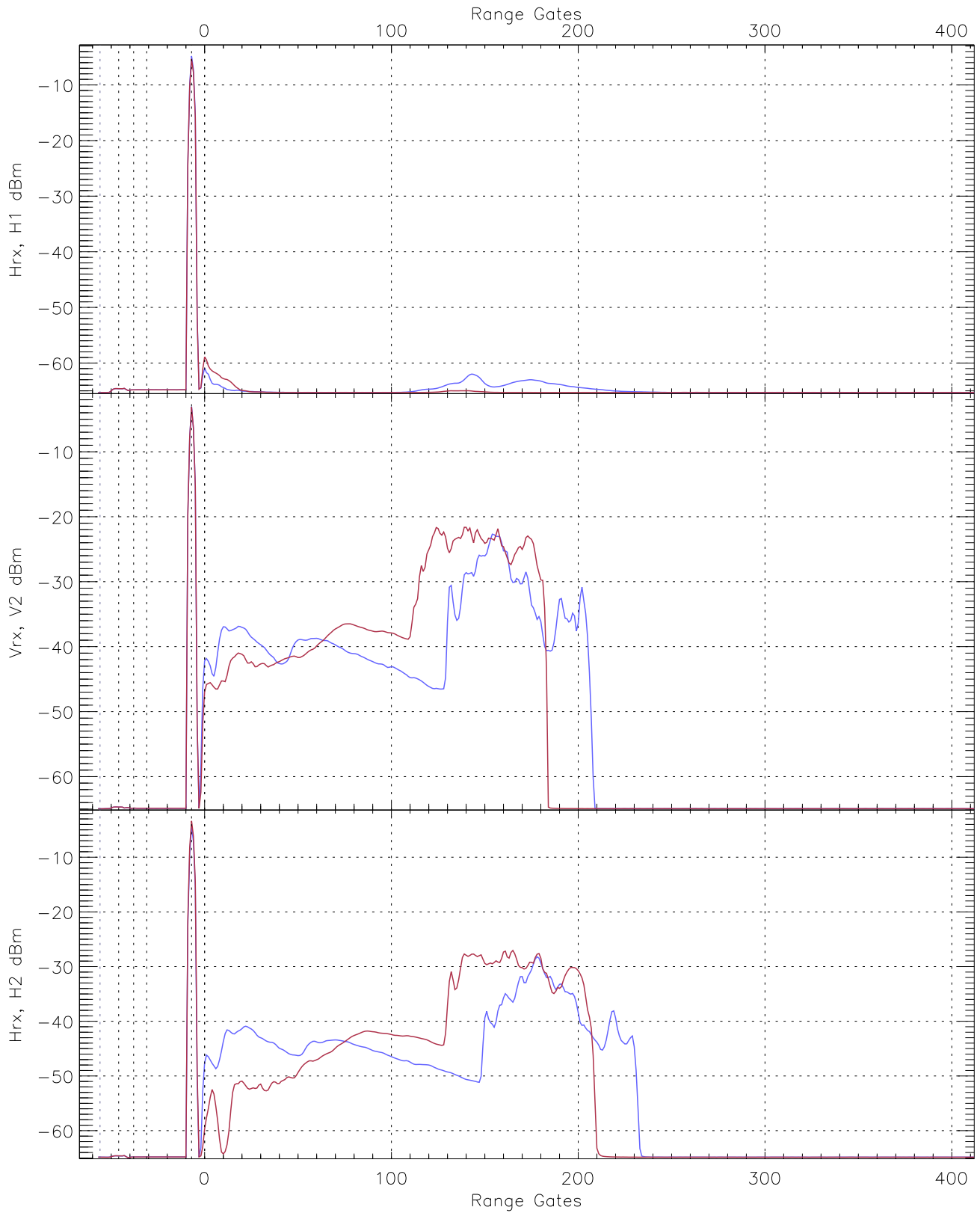
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.49 | -64.13 | -65.31 | -65.32 | -76.78 |
| Vrx, V2 (RM [dBm]) | -66.17 | -63.64 | -64.95 | -64.95 | -76.47 |
| Hrx, H2 (RM [dBm]) | -66.11 | -63.78 | -64.84 | -64.85 | -76.39 |

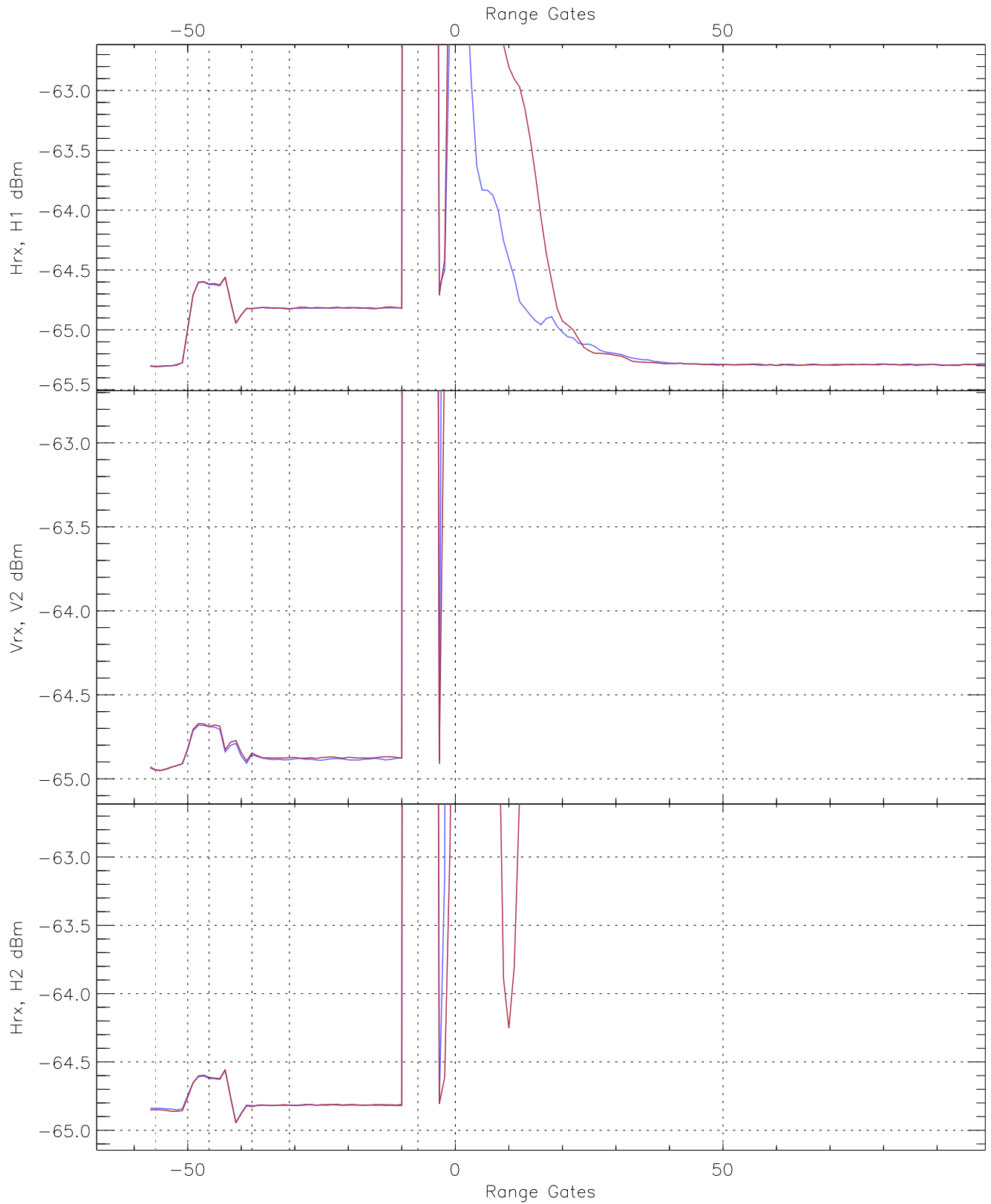


WCR3 CPP "Best" estimate Receivers Noise Power

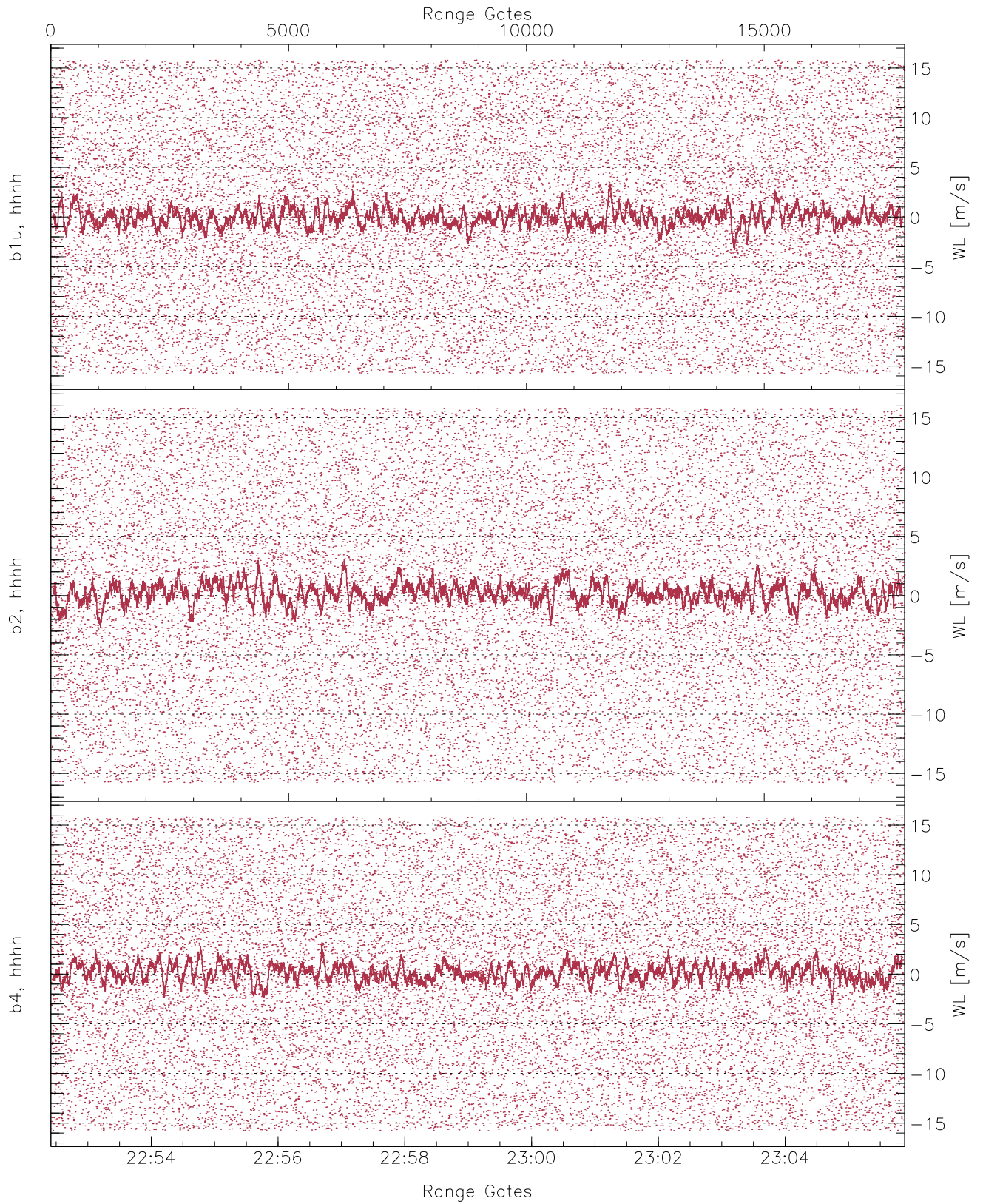
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RM_0 [dBm] | -66.49 | -64.13 | -65.31 | -65.32 | -76.78 |
| V2RG269_0 [dBm] | -66.50 | -63.78 | -64.95 | -64.95 | -76.46 |
| H2RG334_0 [dBm] | -66.06 | -63.67 | -64.86 | -64.87 | -76.40 |



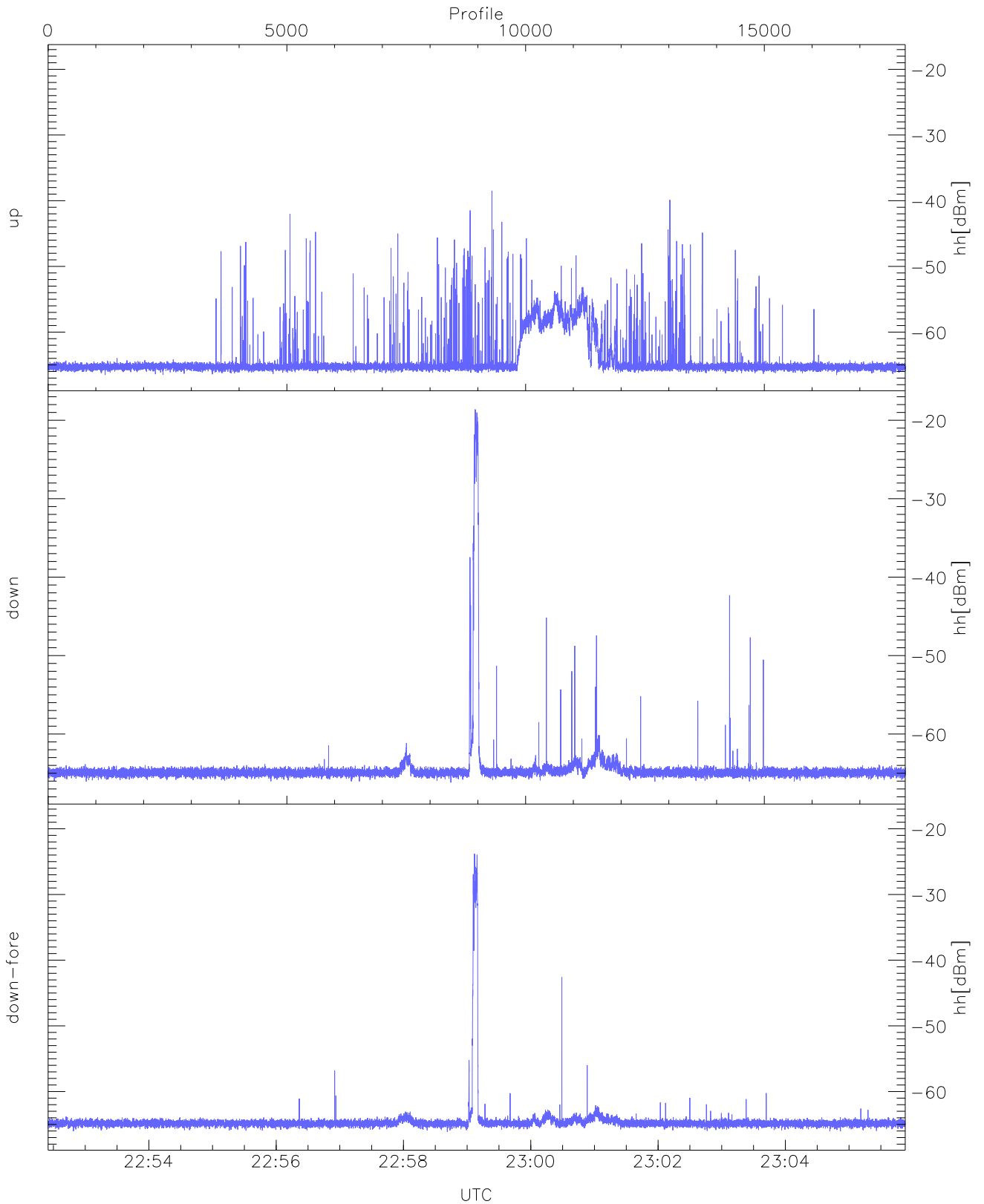
WCR3 CPP Averaged Received power for all recorded gates
blue: 225225-225909, 8977 profiles averaged
red: 225909-230553, 8976 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 225225-225909, 8977 profiles averaged
red: 225909-230553, 8976 profiles averaged

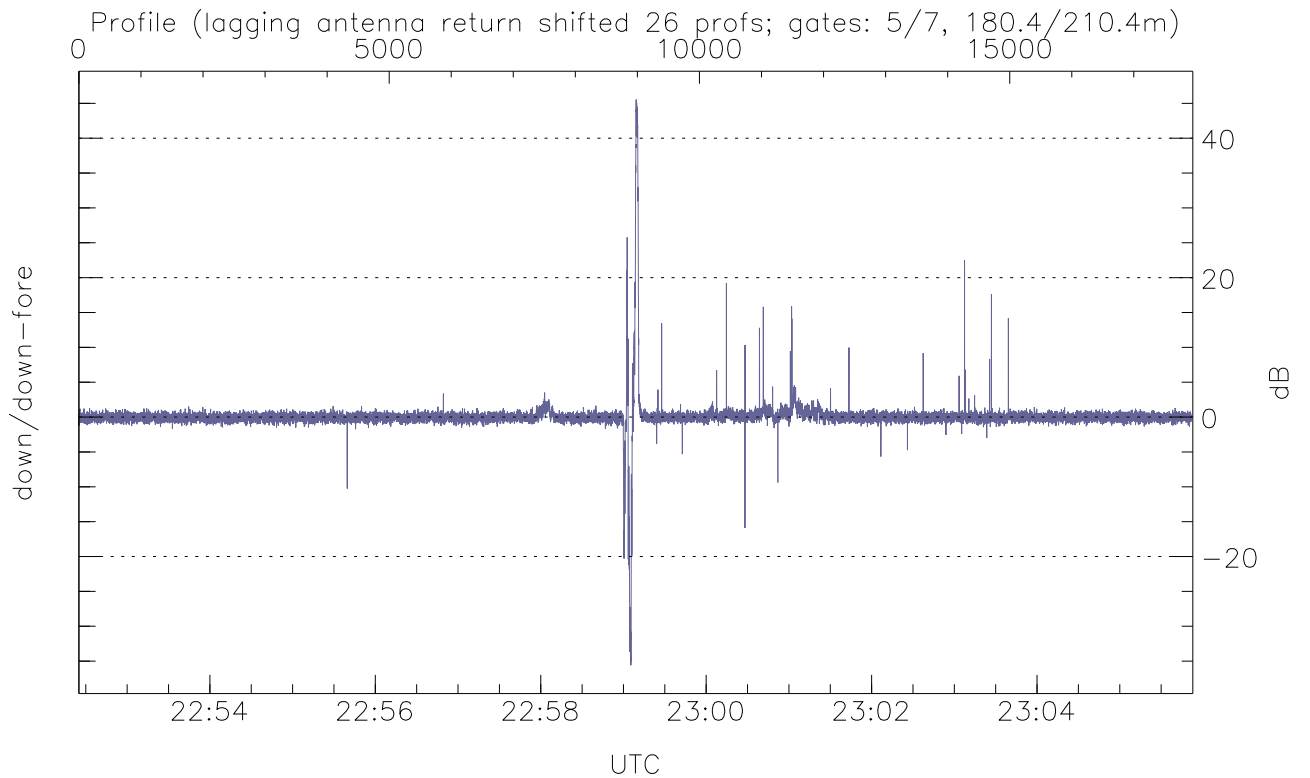
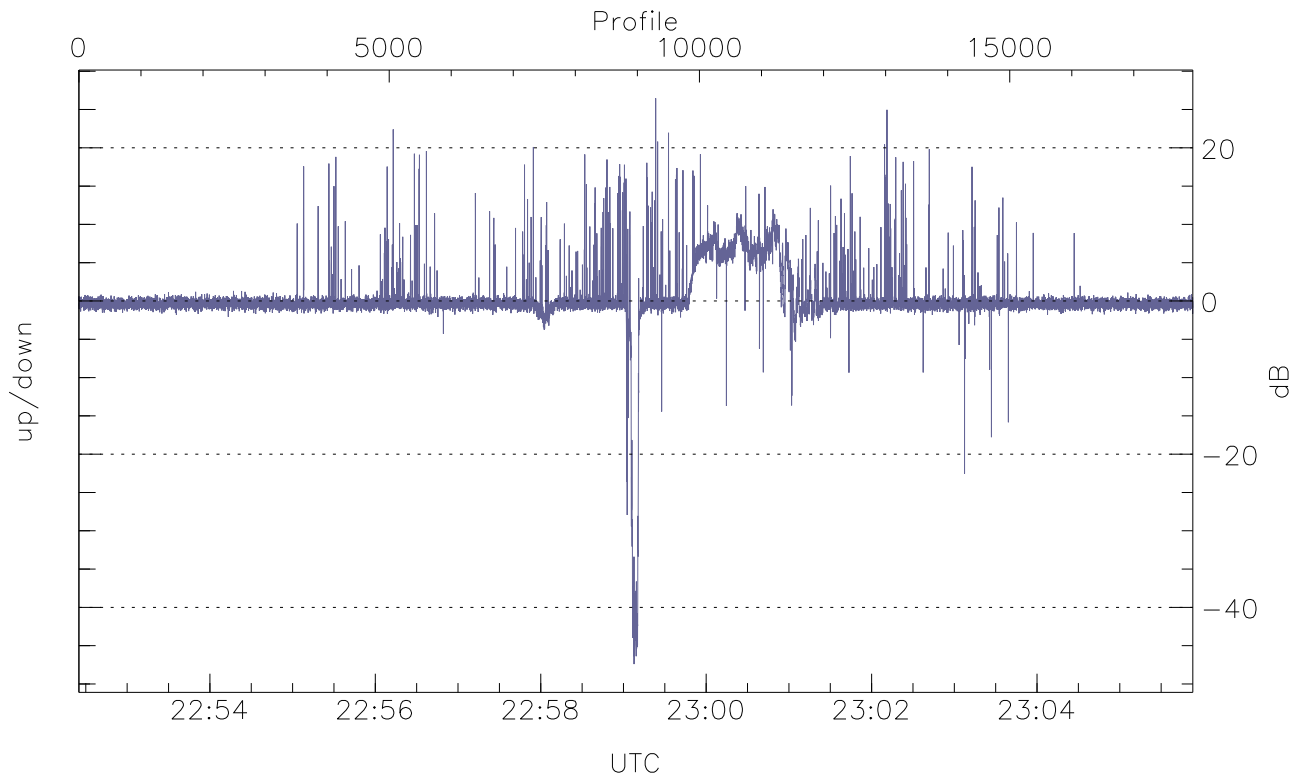


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



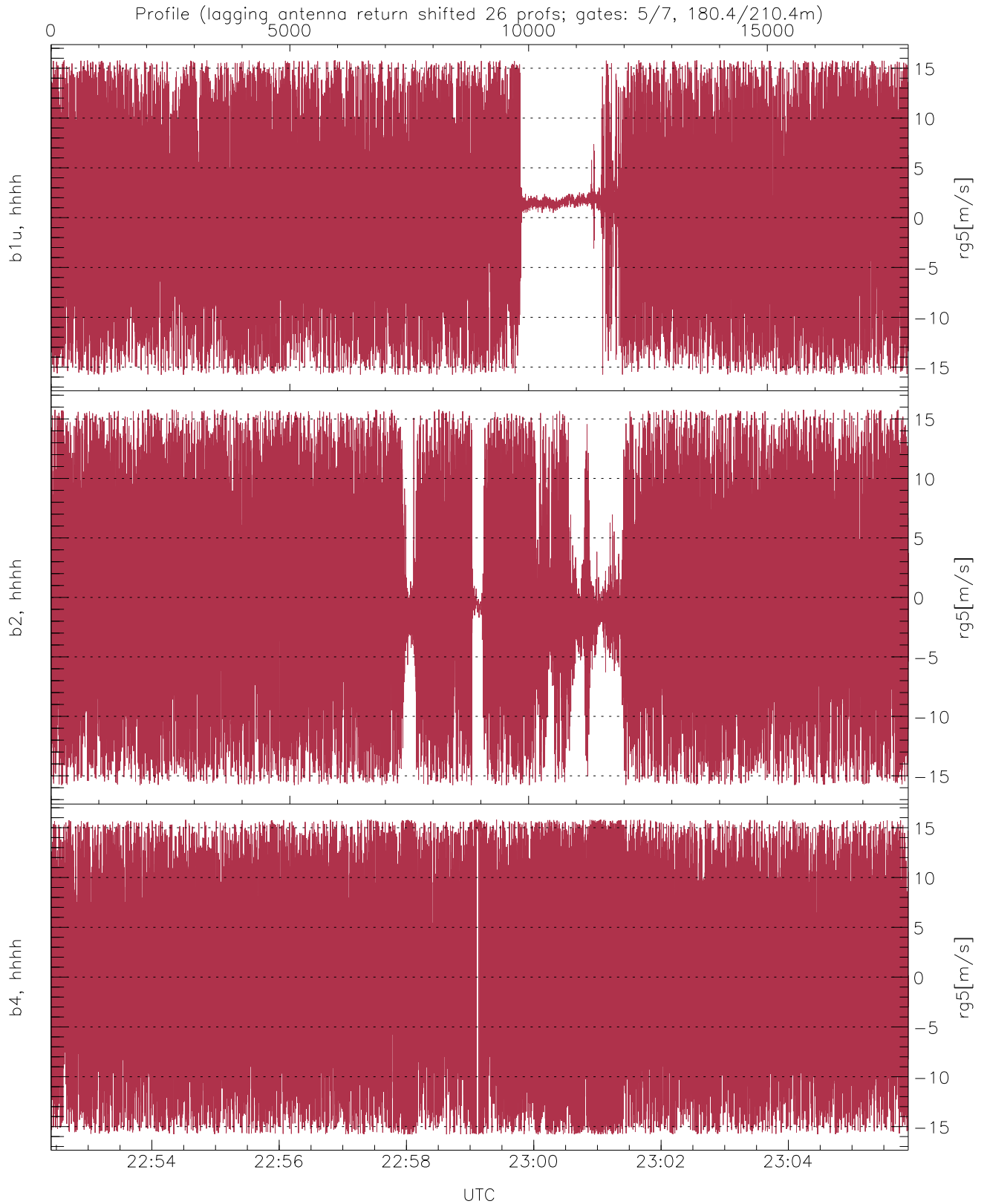
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -66.53 | -38.48 | -62.59 |
| down(hh[dBm]) | -66.18 | -18.63 | -45.35 |
| down-fore(hh[dBm]) | -66.12 | -23.80 | -50.06 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -47.40 | 26.46 | 0.13 |
| down/down-fore (dB) | -35.60 | 45.55 | 0.08 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.79 | 15.79 | 0.26 | 7.90 |
| b2, hhhh(rg5[m/s]) | -15.79 | 15.79 | -0.16 | 8.00 |
| b4, hhhh(rg5[m/s]) | -15.79 | 15.79 | -0.23 | 9.47 |