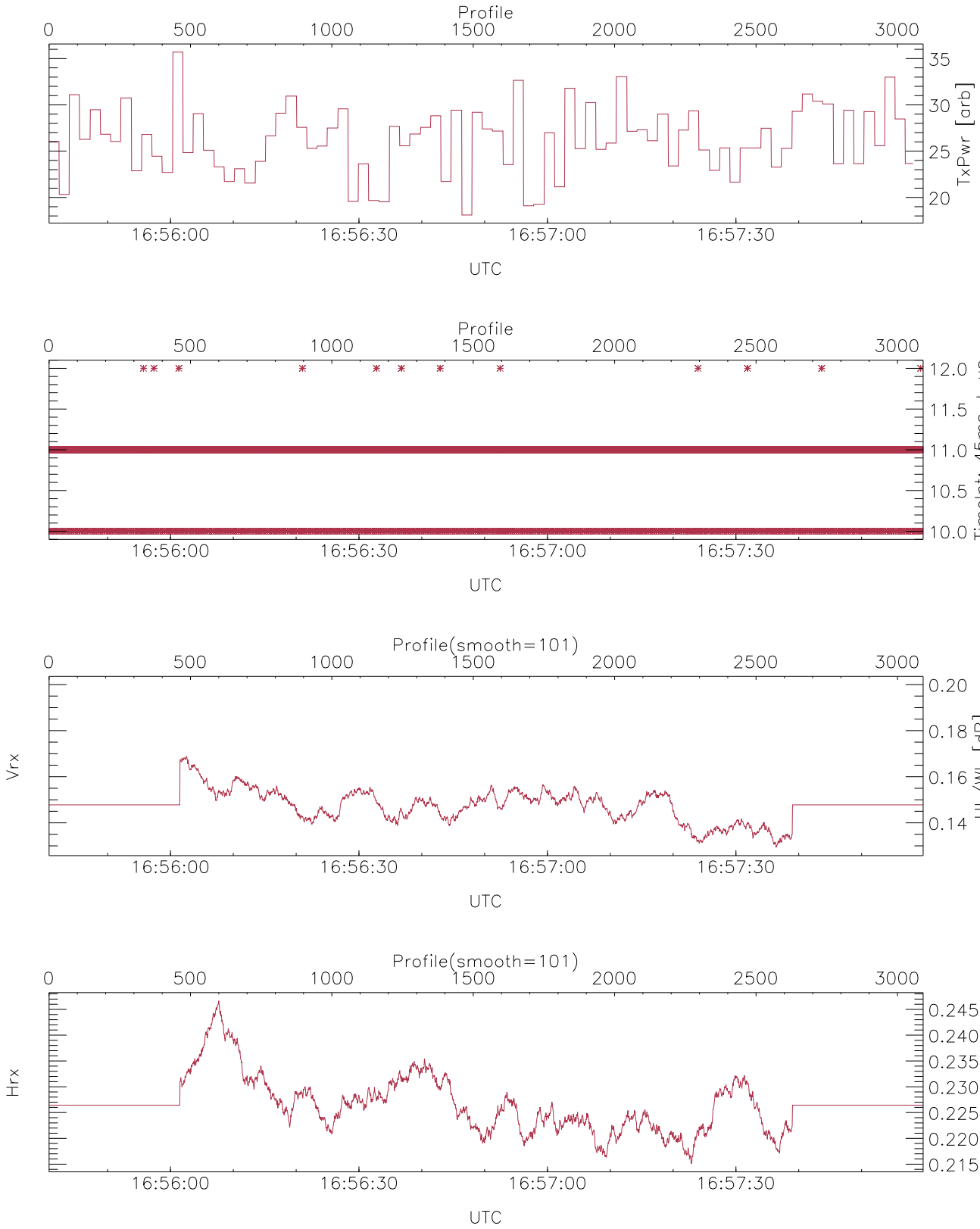
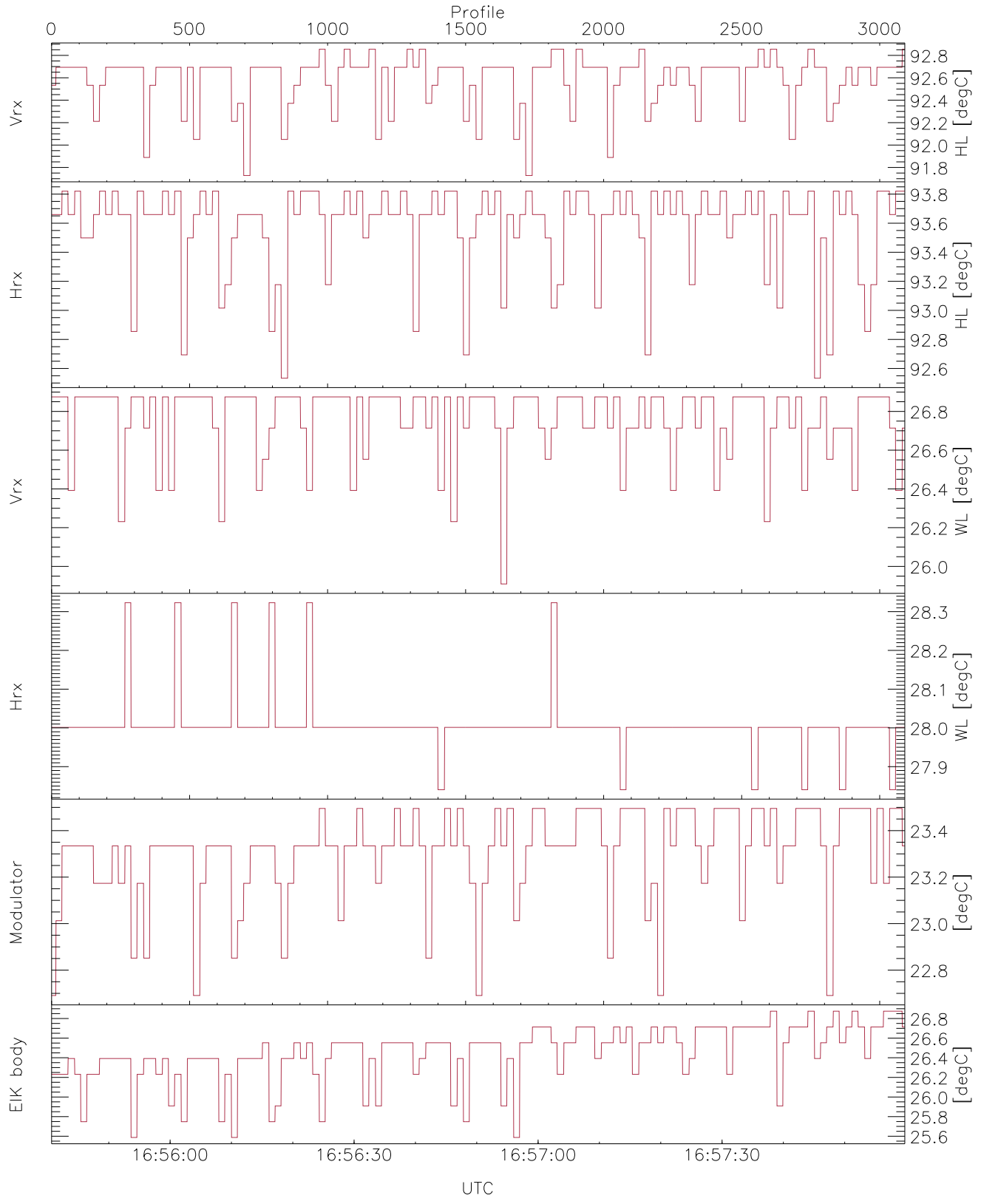


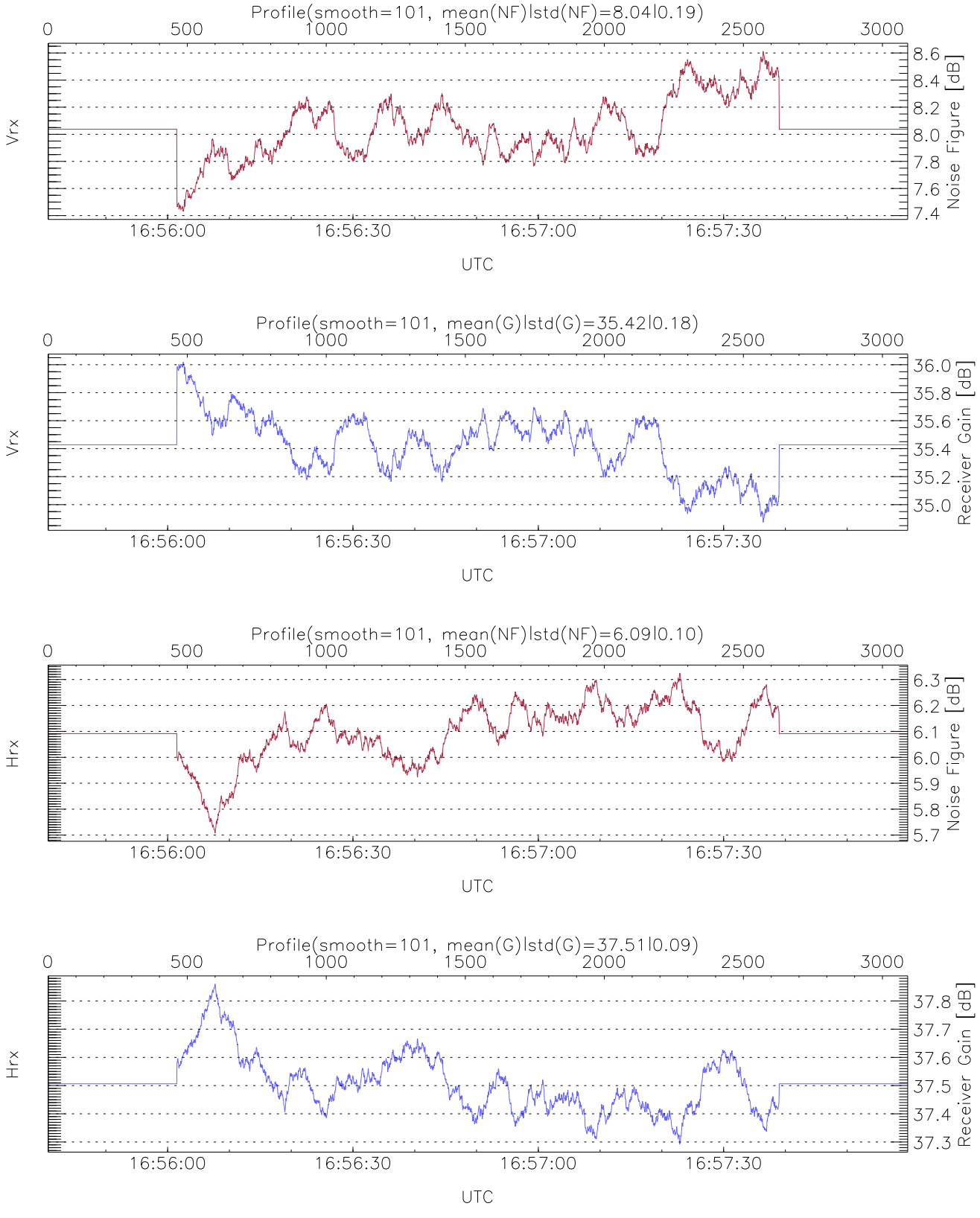

WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 16:55:41-16:58:00, TimeCor: 0.00s, Dur: 139.13s
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): 3092/3092, 0-3091/16:55:41-16:58:00
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,rgs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1



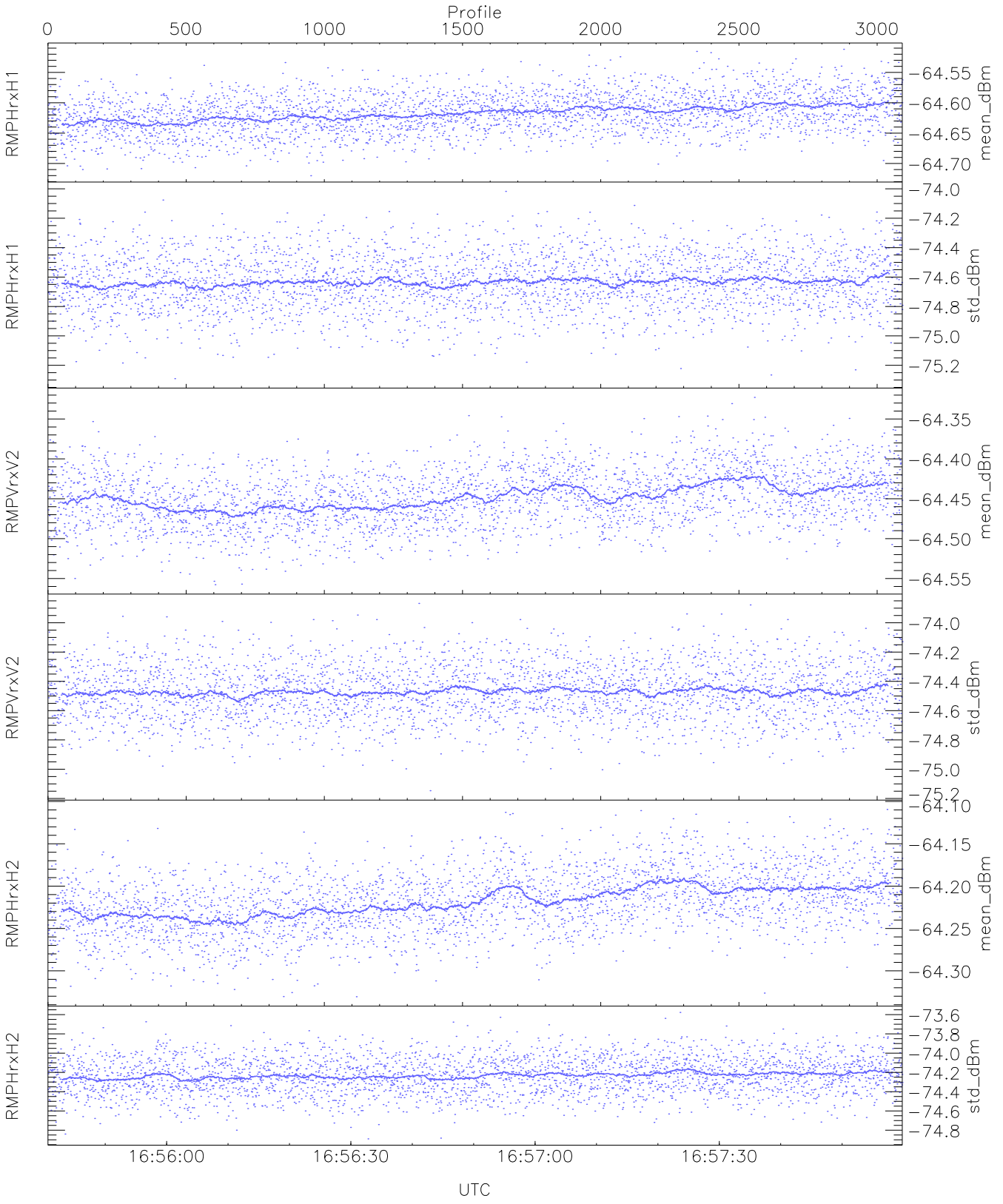

WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,25,27,22,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,26,28,23,26
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



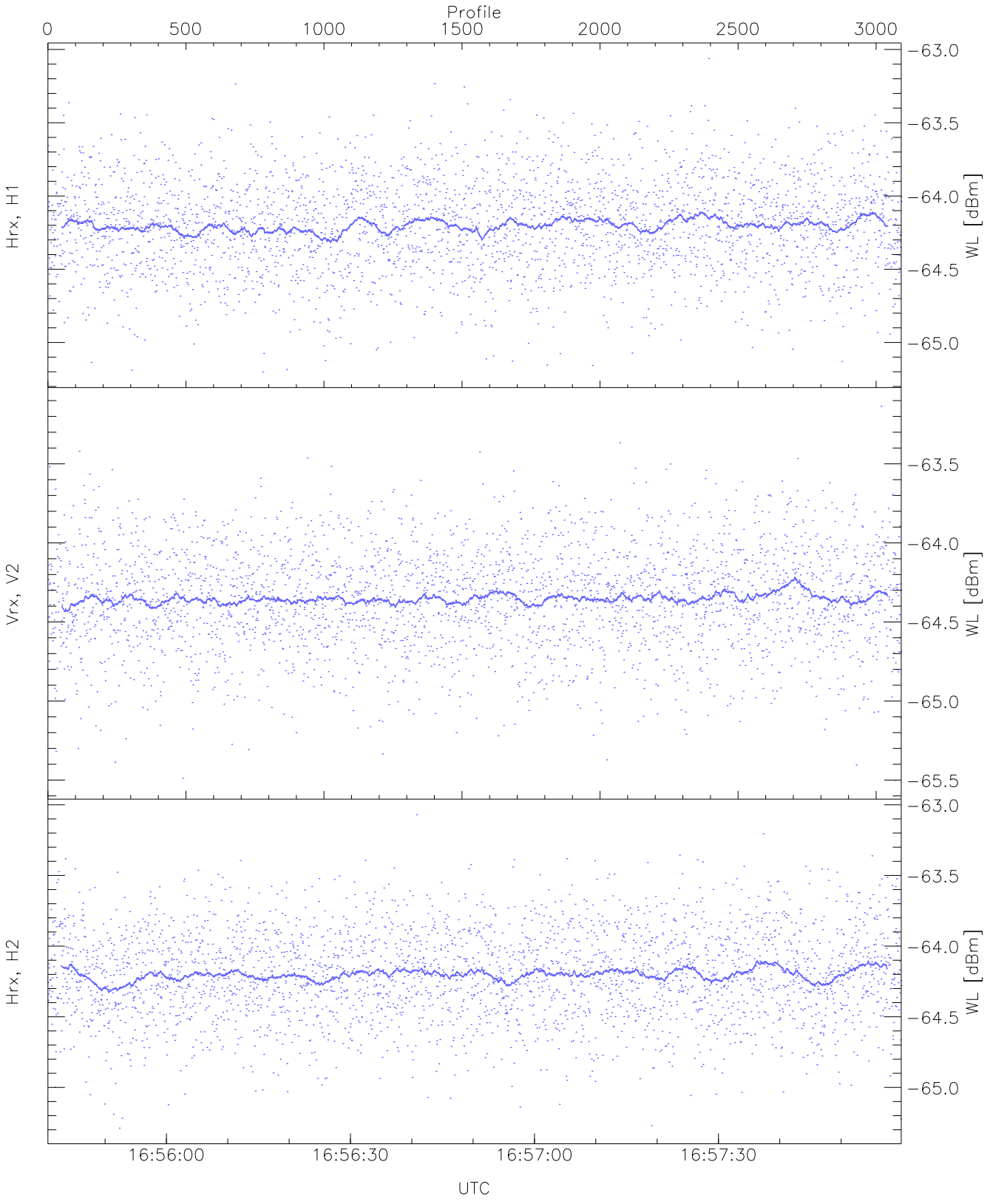

WCR3 CPP Receivers Gain and Noise Figure

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



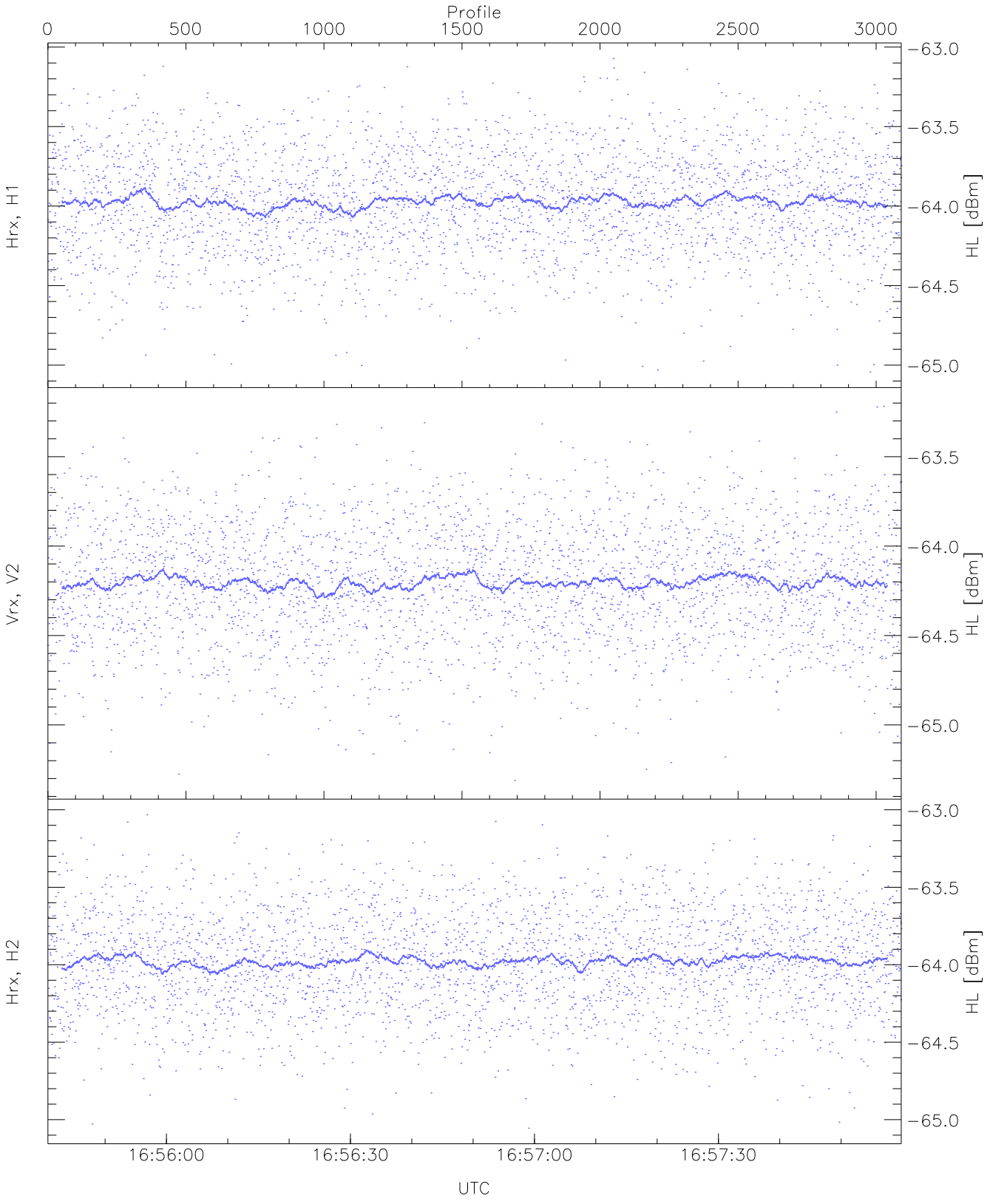

WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| RMPHrxH1(mean_dBm) | -64.72 | -64.51 | -64.62 | -64.62 | -86.06 |
| RMPHrxH1(std_dBm) | -75.29 | -74.02 | -74.63 | -74.64 | -88.39 |
| RMPVrxV2(mean_dBm) | -64.56 | -64.32 | -64.45 | -64.45 | -85.57 |
| RMPVrxV2(std_dBm) | -75.15 | -73.87 | -74.47 | -74.47 | -88.30 |
| RMPHrxH2(mean_dBm) | -64.33 | -64.11 | -64.22 | -64.22 | -85.21 |
| RMPHrxH2(std_dBm) | -74.89 | -73.58 | -74.23 | -74.23 | -88.00 |



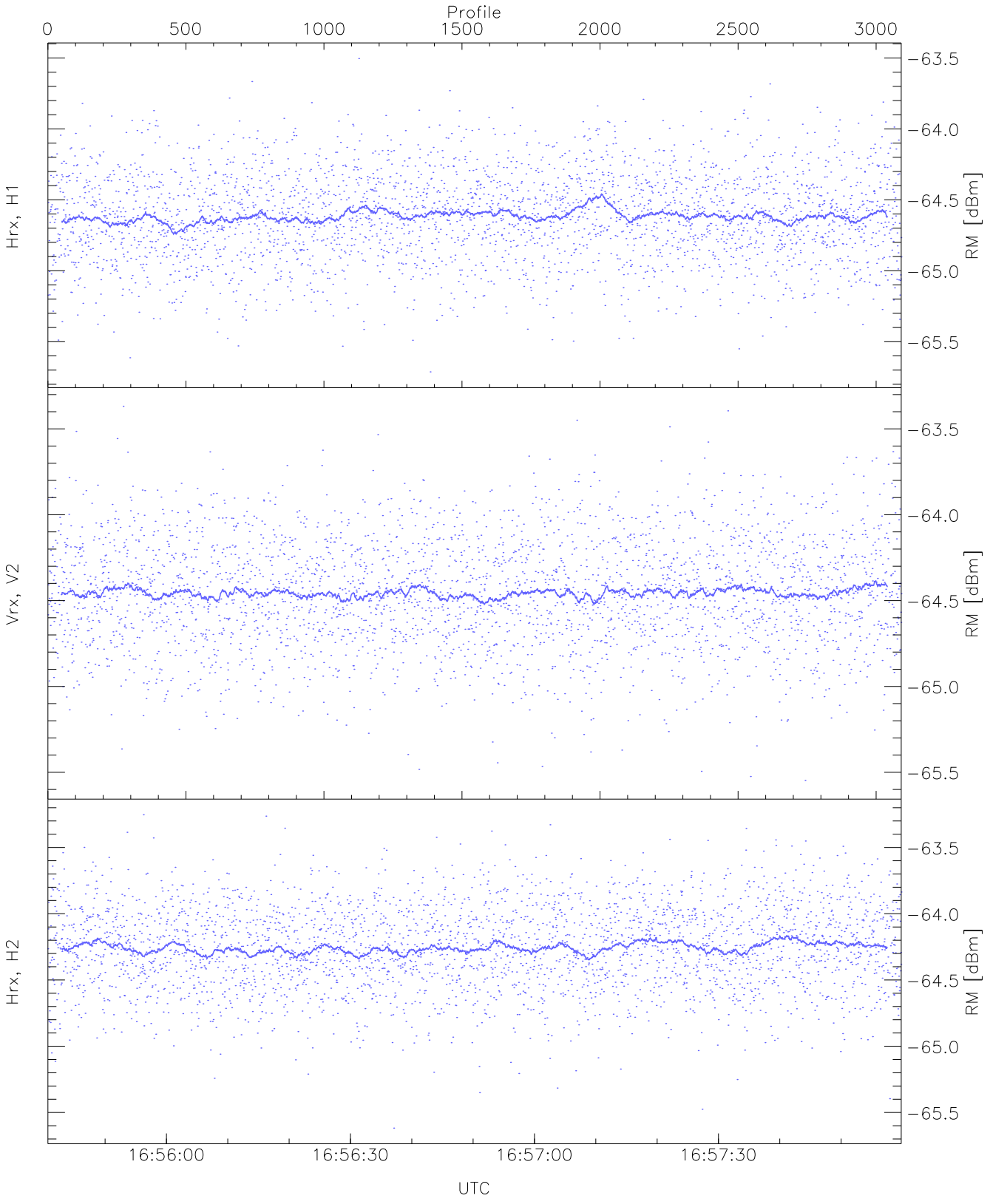

WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -65.20 | -63.06 | -64.19 | -64.19 | -75.71 |
| Vrx, V2(WL [dBm]) | -65.50 | -63.14 | -64.34 | -64.35 | -75.80 |
| Hrx, H2(WL [dBm]) | -65.29 | -63.07 | -64.19 | -64.20 | -75.69 |



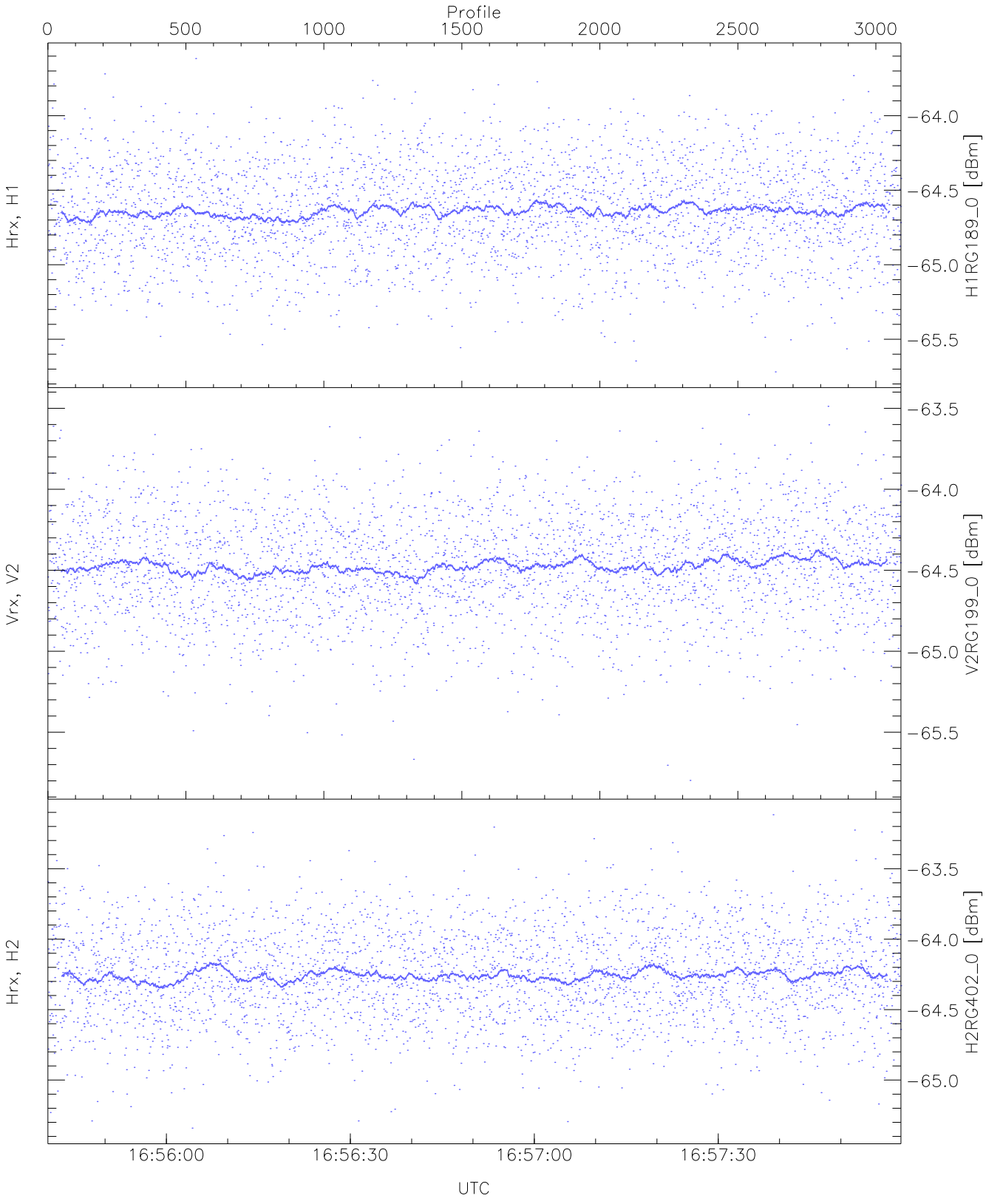

WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -65.04 | -63.07 | -63.97 | -63.97 | -75.50 |
| Vrx, V2(HL [dBm]) | -65.31 | -63.22 | -64.20 | -64.20 | -75.65 |
| Hrx, H2(HL [dBm]) | -65.05 | -63.03 | -63.97 | -63.98 | -75.50 |



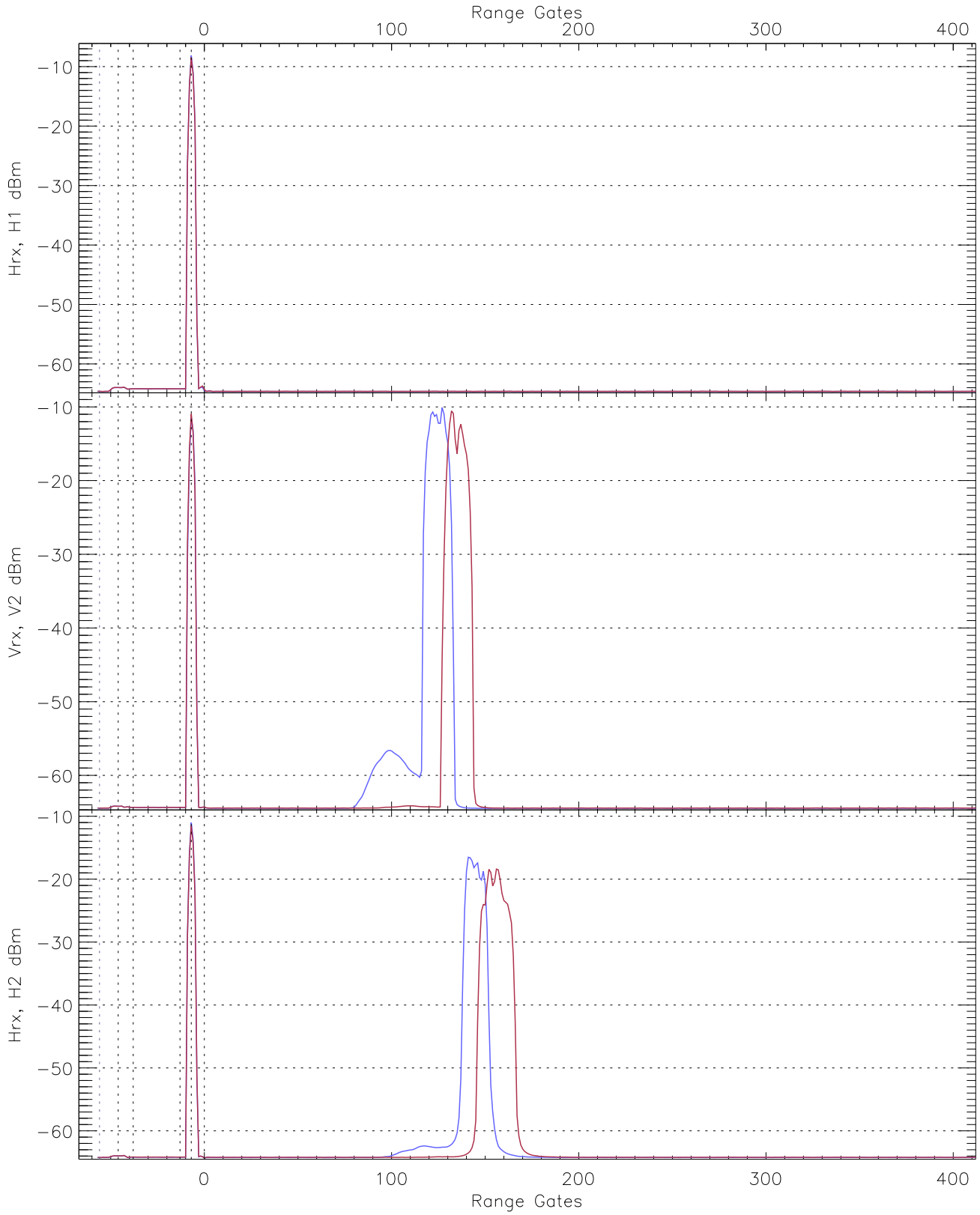

WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -65.71 | -63.50 | -64.61 | -64.62 | -76.17 |
| Vrx, V2(RM [dBm]) | -65.55 | -63.37 | -64.45 | -64.46 | -75.93 |
| Hrx, H2(RM [dBm]) | -65.62 | -63.25 | -64.25 | -64.26 | -75.74 |

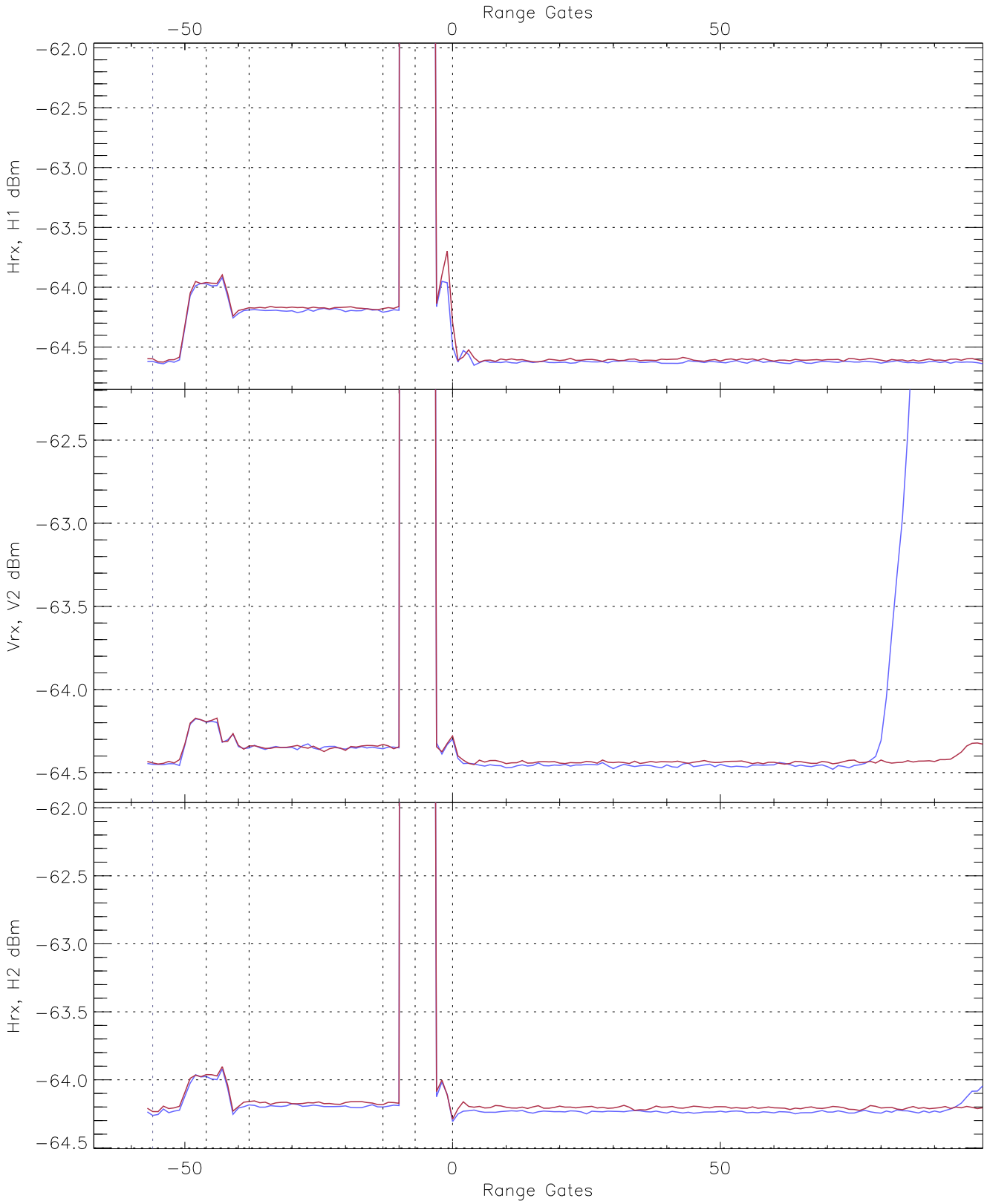



WCR3 CPP "Best" estimate Receivers Noise Power

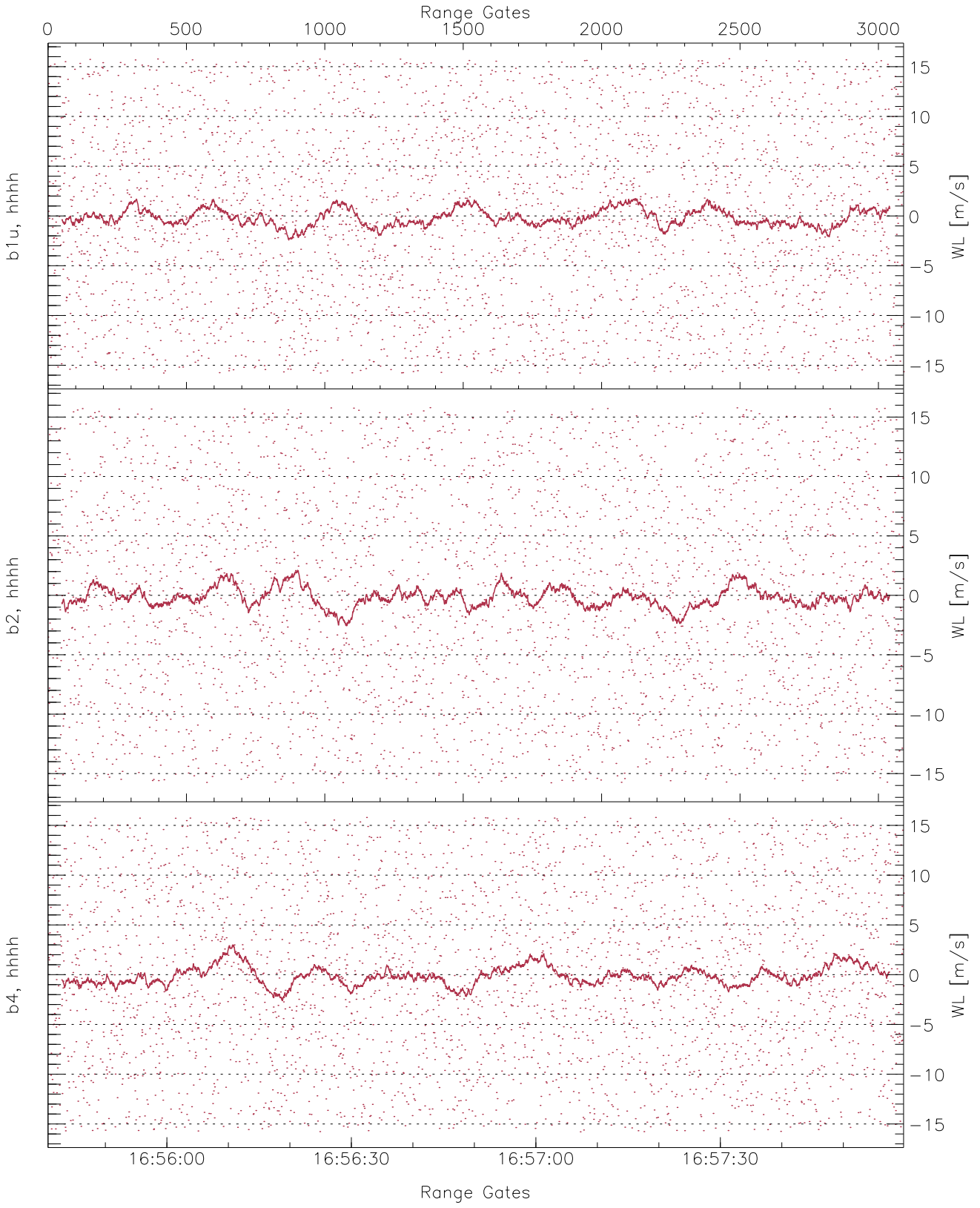
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG189_0 [dBm] | -65.72 | -63.62 | -64.63 | -64.64 | -76.11 |
| V2RG199_0 [dBm] | -65.80 | -63.49 | -64.47 | -64.47 | -76.03 |
| H2RG402_0 [dBm] | -65.34 | -63.12 | -64.25 | -64.27 | -75.66 |



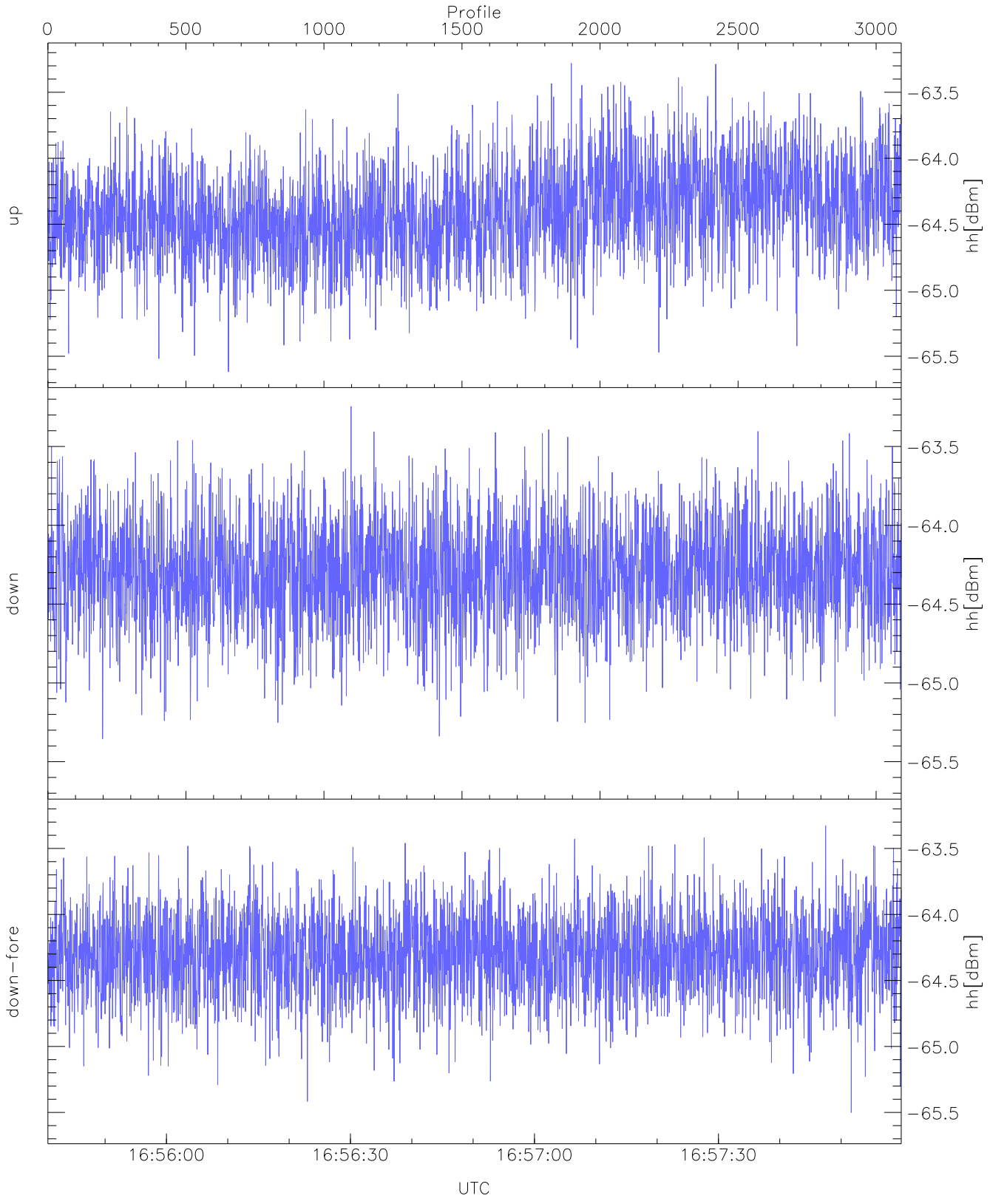

WCR3 CPP Averaged Received power for all recorded gates
blue: 165541-165650, 1547 profiles averaged
red: 165650-165800, 1546 profiles averaged




WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 165541-165650, 1547 profiles averaged
red: 165650-165800, 1546 profiles averaged

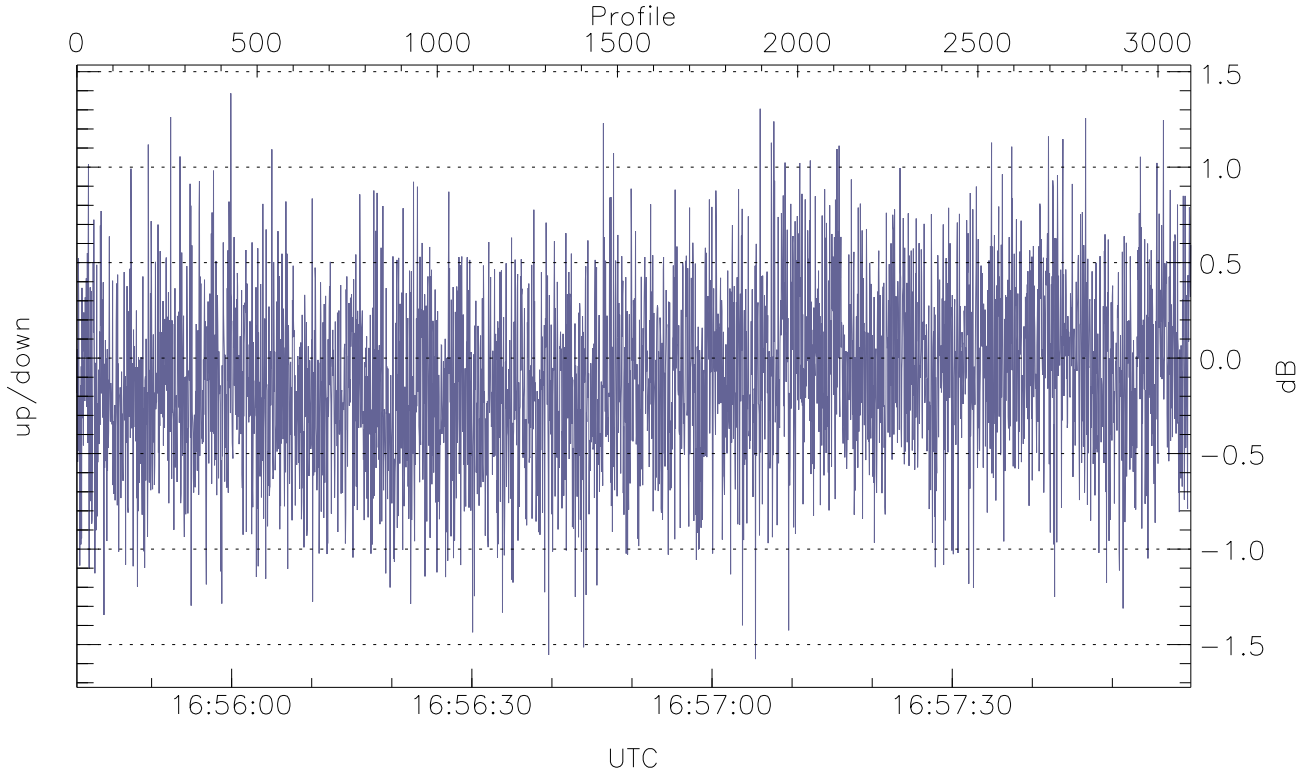


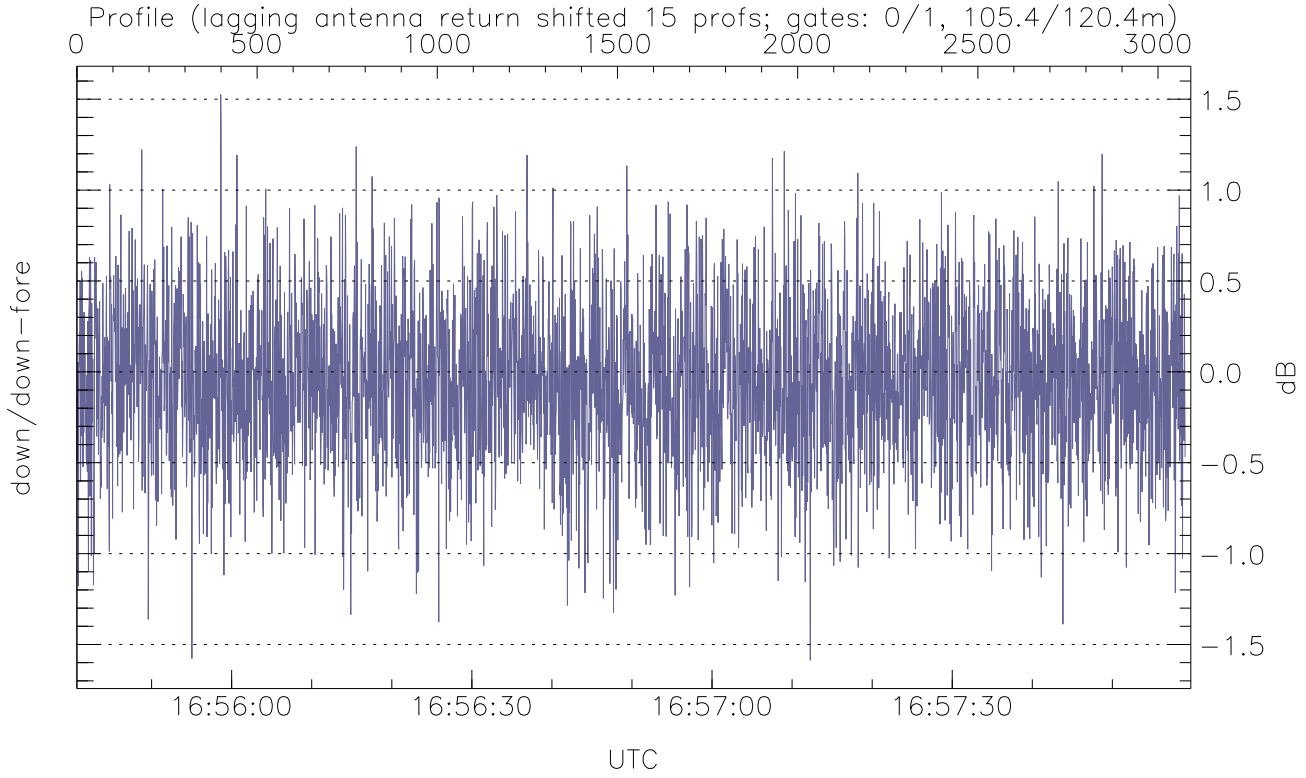

WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




WCR3 CPP Received Power Products for Range gate 0 (105.4 m)

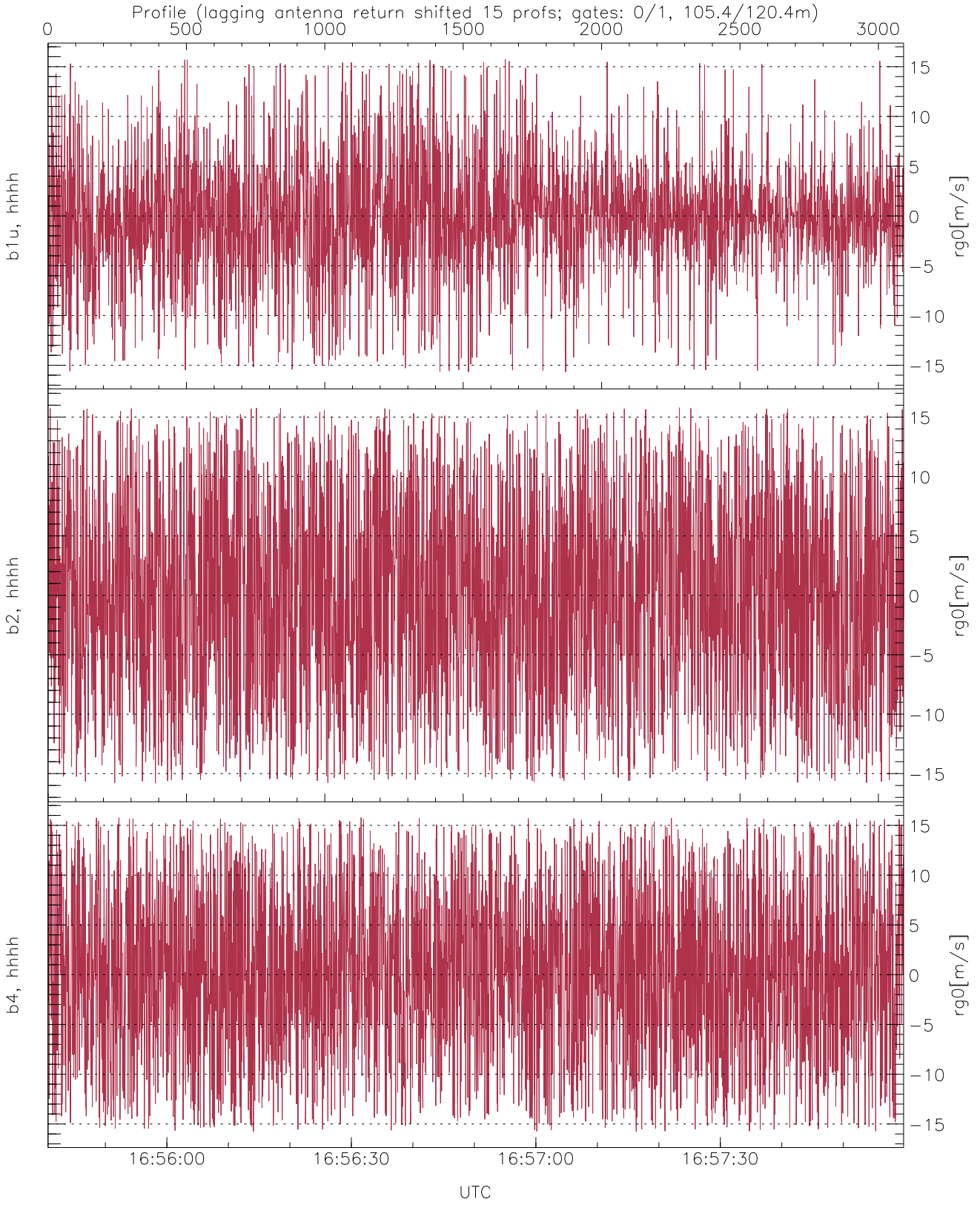
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -65.62 | -63.28 | -64.39 |
| down(hh[dBm]) | -65.35 | -63.24 | -64.29 |
| down-fore(hh[dBm]) | -65.50 | -63.33 | -64.30 |




WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -1.58 | 1.39 | -0.11 |
| down/down-fore(dB) | -1.59 | 1.53 | -0.06 |




WCR3 CPP Doppler Velocity Products at 105.4 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg0[m/s]) | -15.68 | 15.75 | -0.13 | 5.75 |
| b2, hhhh(rg0[m/s]) | -15.78 | 15.79 | 0.10 | 8.46 |
| b4, hhhh(rg0[m/s]) | -15.77 | 15.78 | 0.27 | 8.30 |