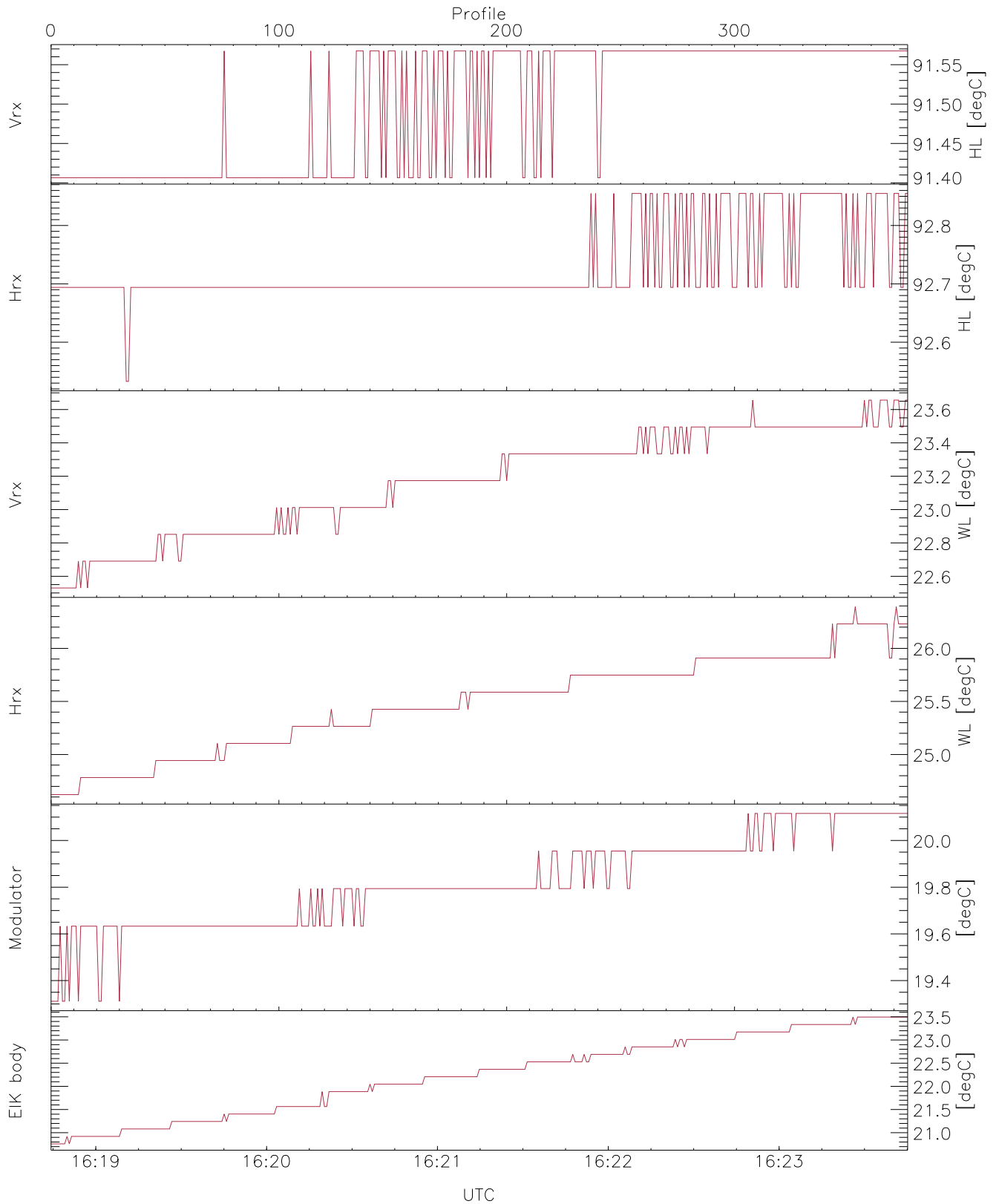


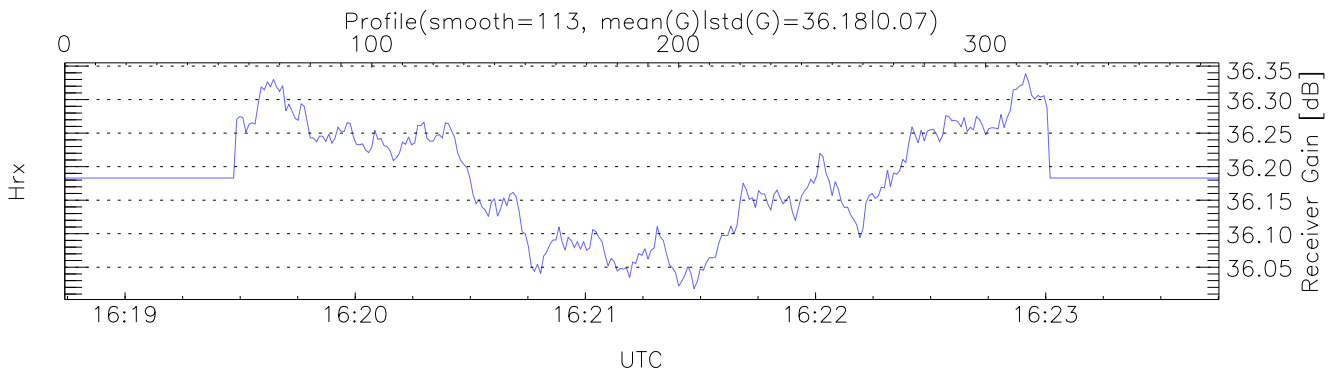
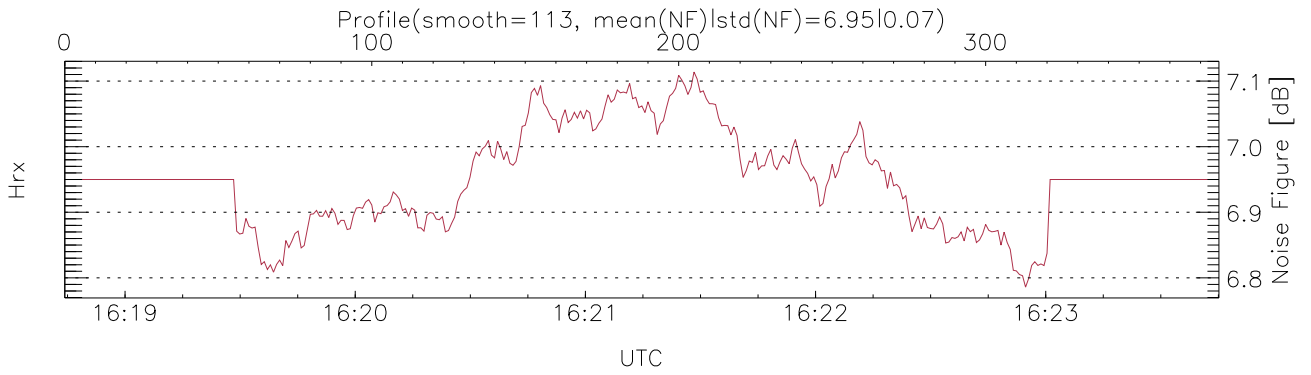
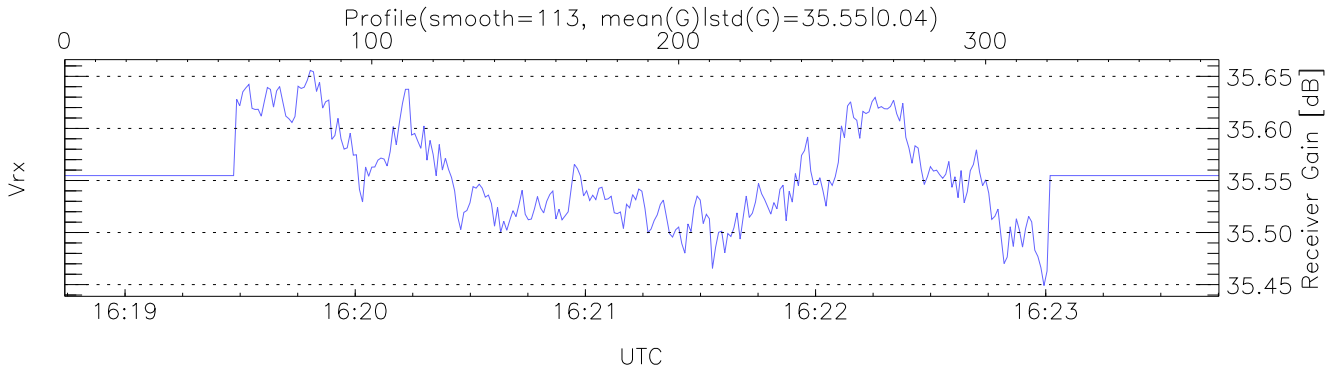
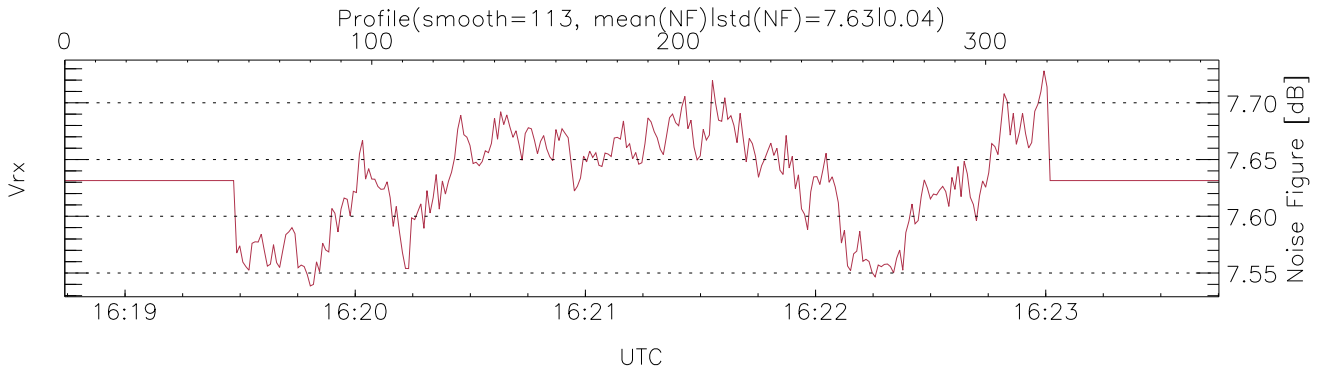
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 16:18:44-16:23:45, TimeCor: 0.00s, Dur: 300.88s
 TimeFlg: 1, TFPstatus constant.
 TimeInt/PPS(min,max,mn,std): 800.2,800.2,800.2,0.0 ms / 1.2,1.2,1.2
 NumRec(r/t): 377/377, 0-376/16:18:44-16:23:45
 AcqTime: 800.0ms, Rate: 0.028MB/s, Averages (req.,actual): 4000,4000
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 V1 V1
 PRF: 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rgs): 105, 6348, 15.0 m, Gates: 417, Aspect: 0.2
 Mirror(-910112,3,9x = no mirror|sideluplerror): 3



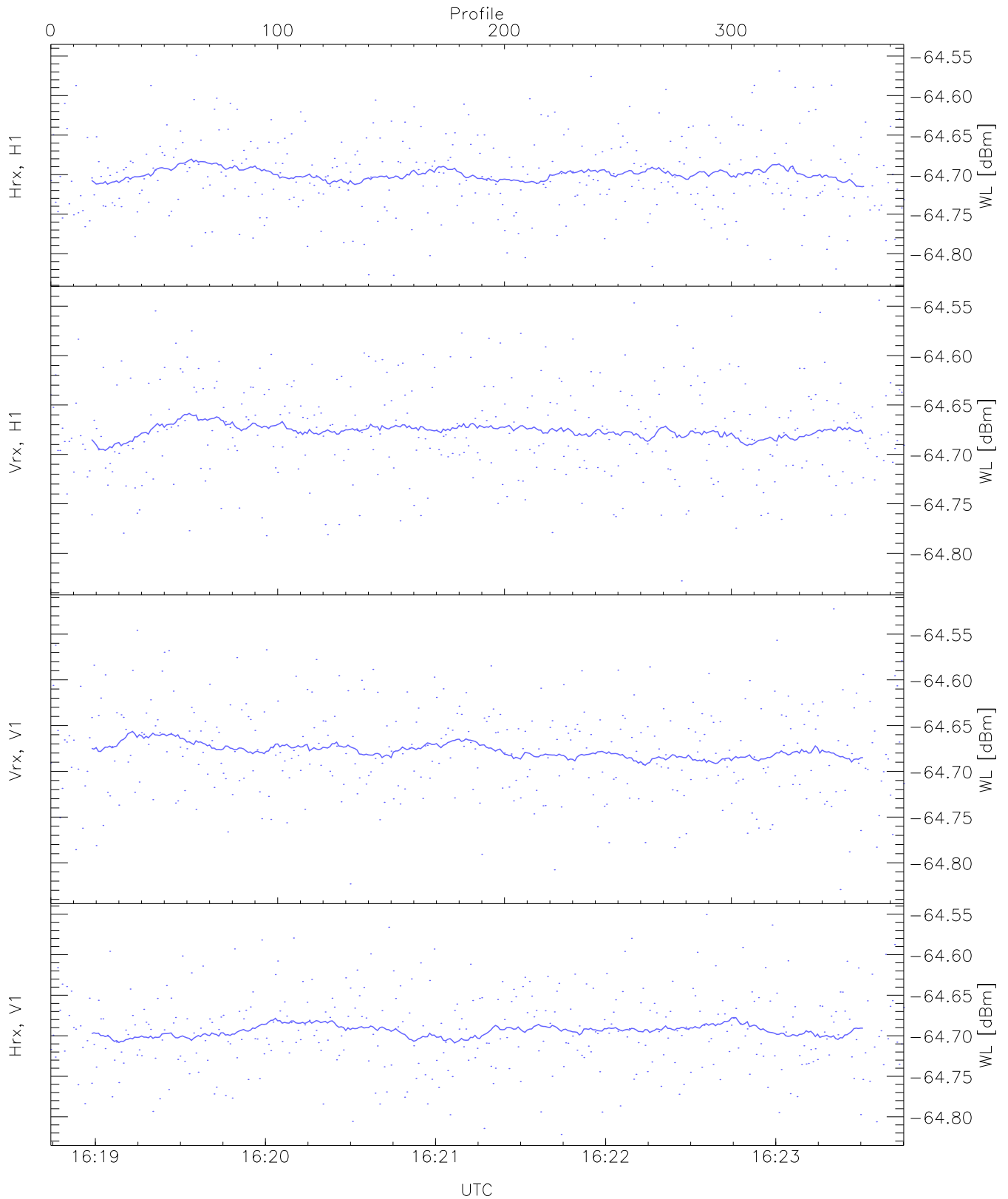
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,22,24,19,20
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,23,26,20,23
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



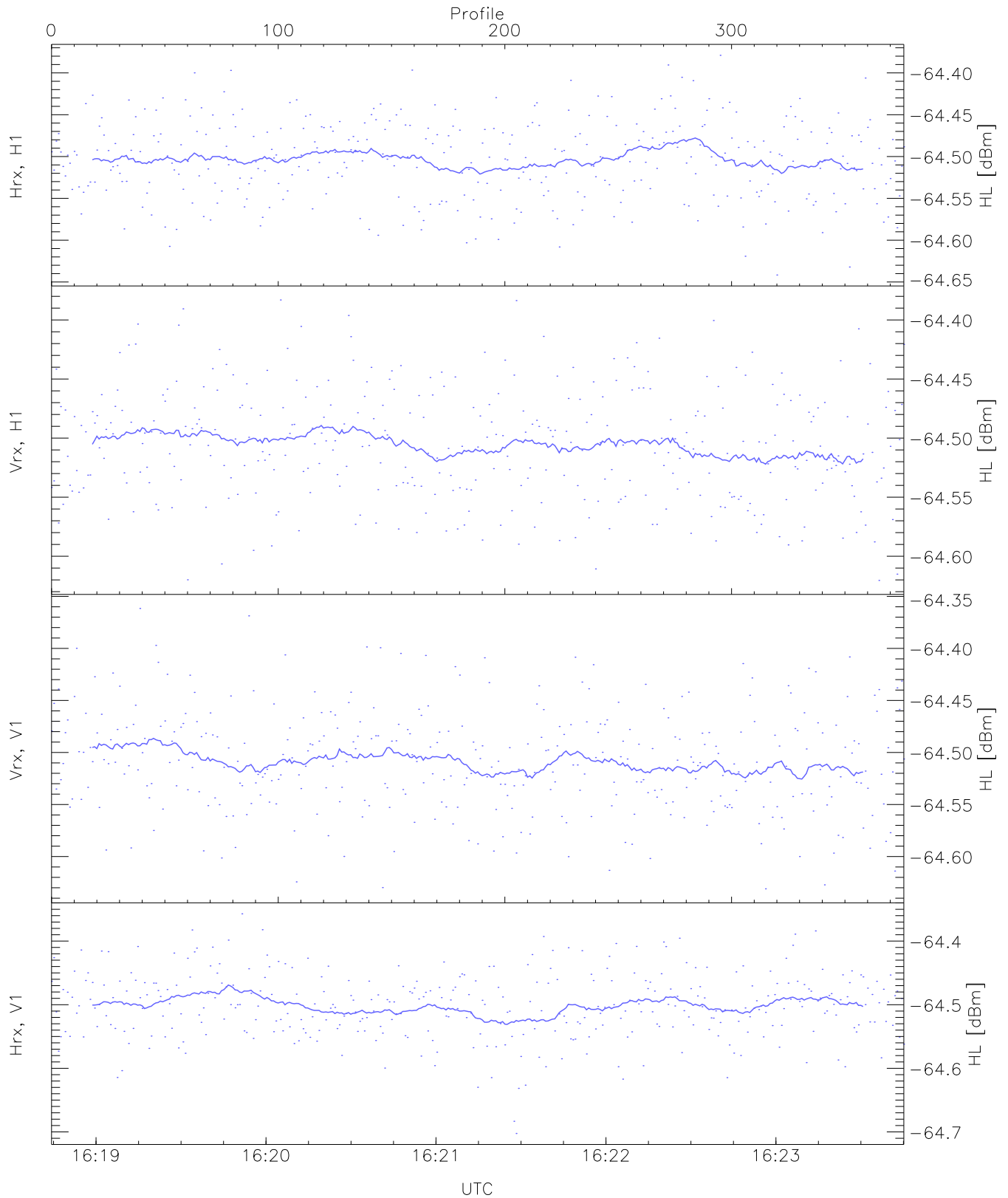
WCR3 CPP Receivers Gain and Noise Figure

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



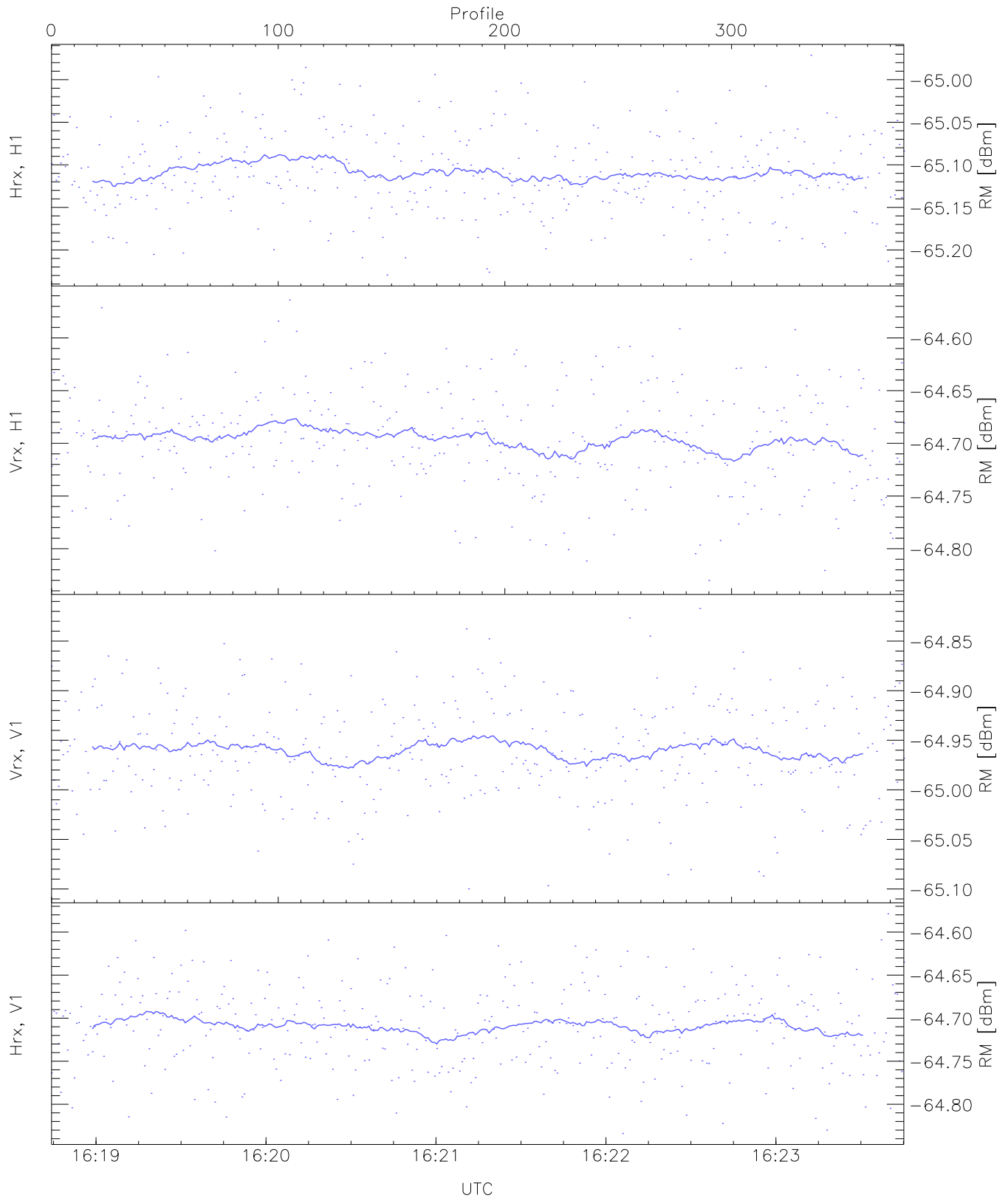
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -64.83 | -64.55 | -64.70 | -64.70 | -84.13 |
| Vrx, H1(WL [dBm]) | -64.83 | -64.54 | -64.68 | -64.68 | -84.17 |
| Vrx, V1(WL [dBm]) | -64.83 | -64.52 | -64.68 | -64.68 | -84.03 |
| Hrx, V1(WL [dBm]) | -64.82 | -64.55 | -64.69 | -64.69 | -84.19 |



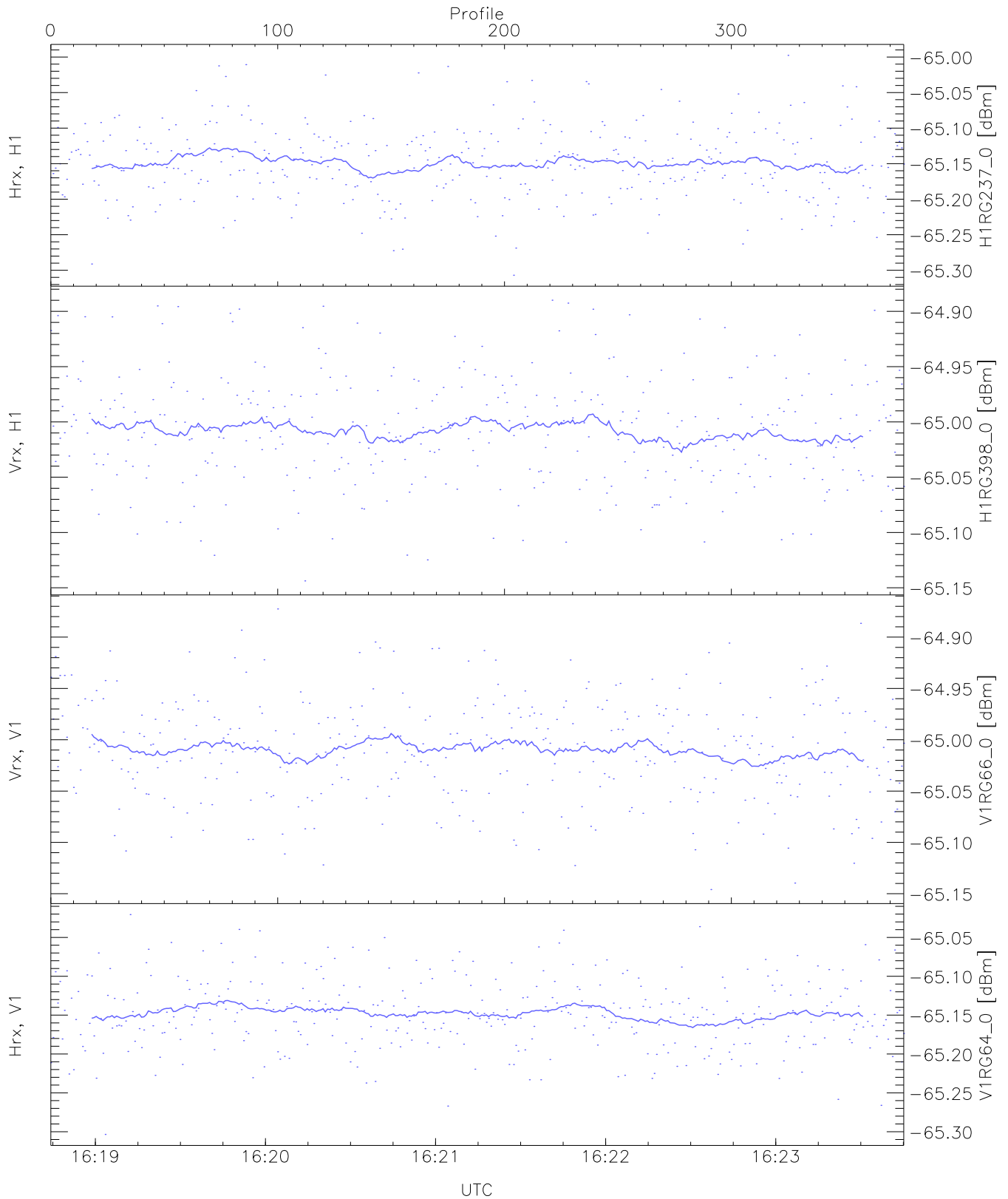
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(HL [dBm]) | -64.64 | -64.38 | -64.50 | -64.50 | -84.20 |
| Vrx, H1(HL [dBm]) | -64.62 | -64.38 | -64.51 | -64.51 | -84.15 |
| Vrx, V1(HL [dBm]) | -64.63 | -64.36 | -64.51 | -64.51 | -83.98 |
| Hrx, V1(HL [dBm]) | -64.70 | -64.36 | -64.50 | -64.50 | -83.78 |



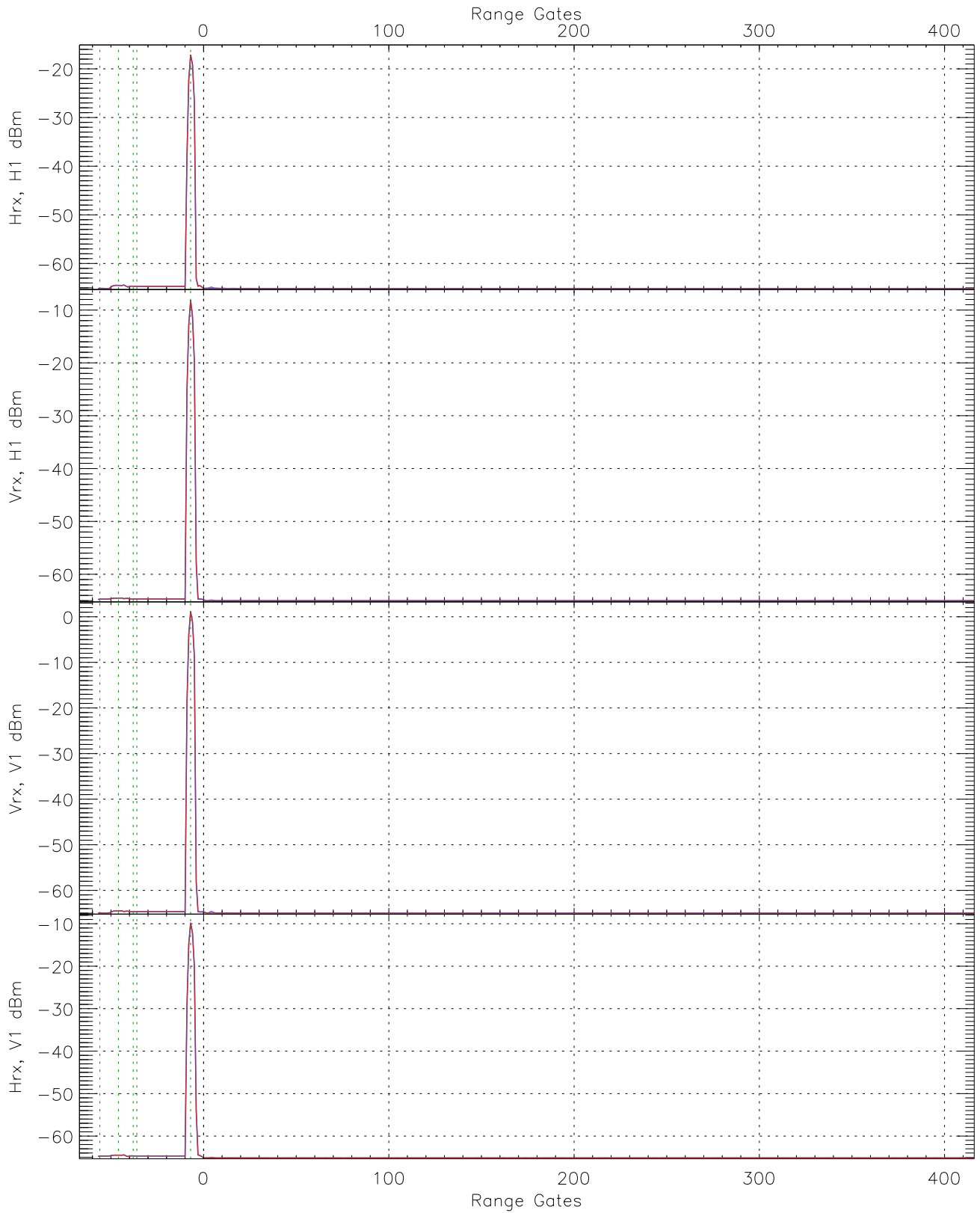
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -65.23 | -64.97 | -65.11 | -65.11 | -84.67 |
| Vrx, H1 (RM [dBm]) | -64.83 | -64.56 | -64.70 | -64.70 | -84.40 |
| Vrx, V1 (RM [dBm]) | -65.10 | -64.82 | -64.96 | -64.96 | -84.38 |
| Hrx, V1 (RM [dBm]) | -64.83 | -64.58 | -64.71 | -64.71 | -84.35 |

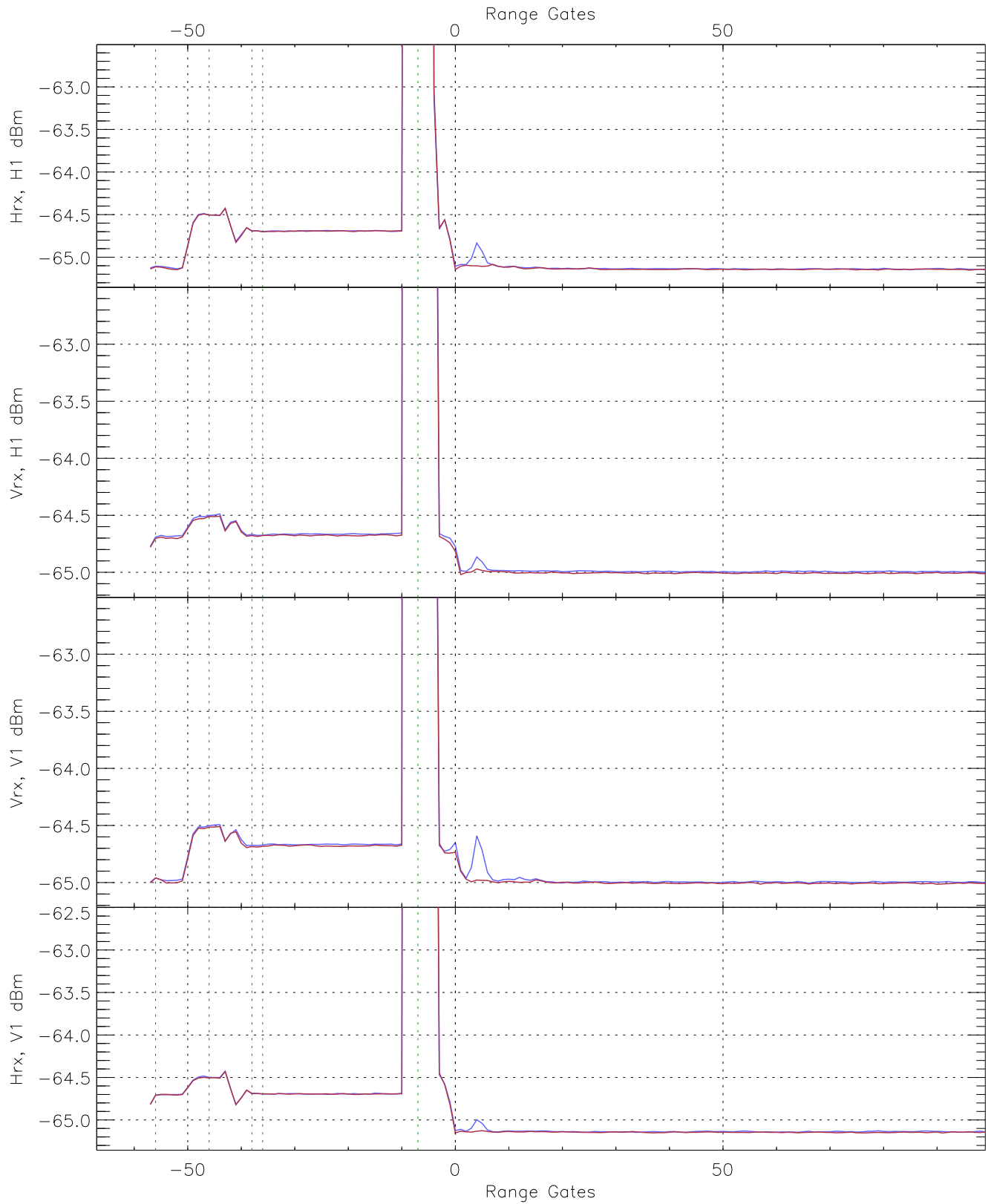


WCR3 CPP "Best" estimate Receivers Noise Power

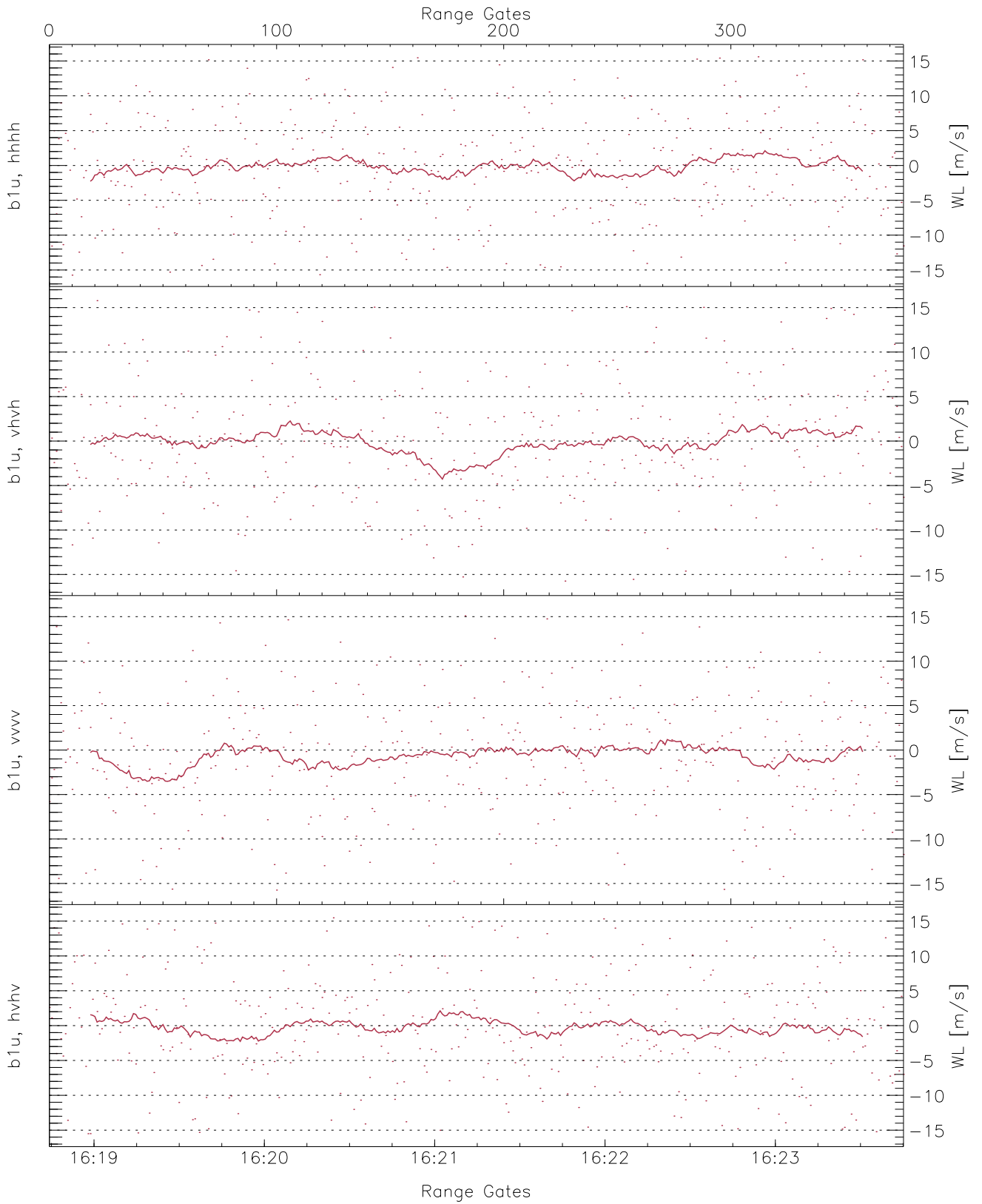
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG237_0 [dBm] | -65.31 | -65.00 | -65.15 | -65.15 | -84.42 |
| H1RG398_0 [dBm] | -65.14 | -64.89 | -65.01 | -65.01 | -84.51 |
| V1RG66_0 [dBm] | -65.15 | -64.87 | -65.01 | -65.01 | -84.49 |
| V1RG64_0 [dBm] | -65.30 | -65.02 | -65.15 | -65.15 | -85.03 |



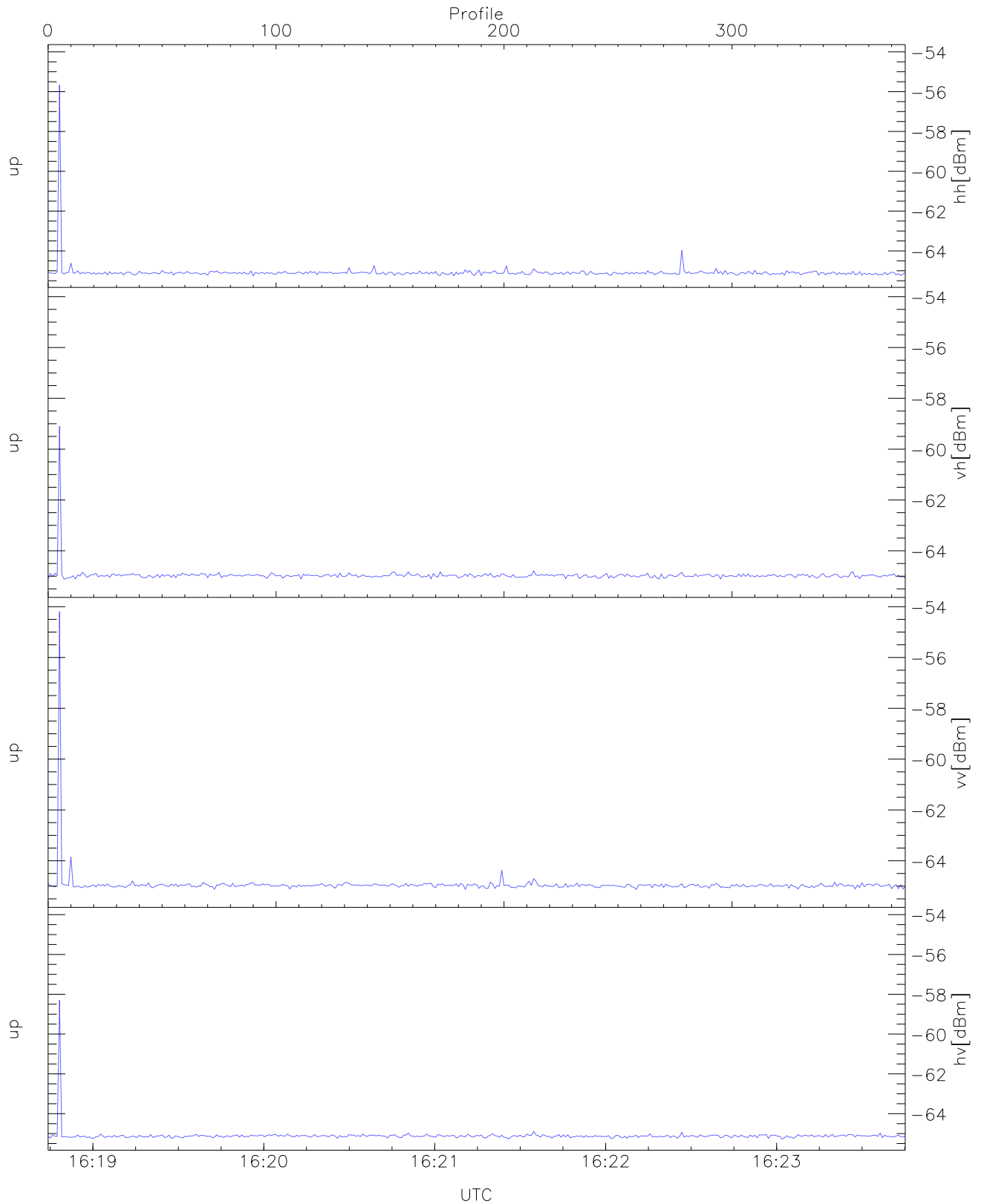
WCR3 CPP Averaged Received power for all recorded gates
blue: 161844-162115, 189 profiles averaged
red: 162115-162345, 189 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 161844-162115, 189 profiles averaged
red: 162115-162345, 189 profiles averaged

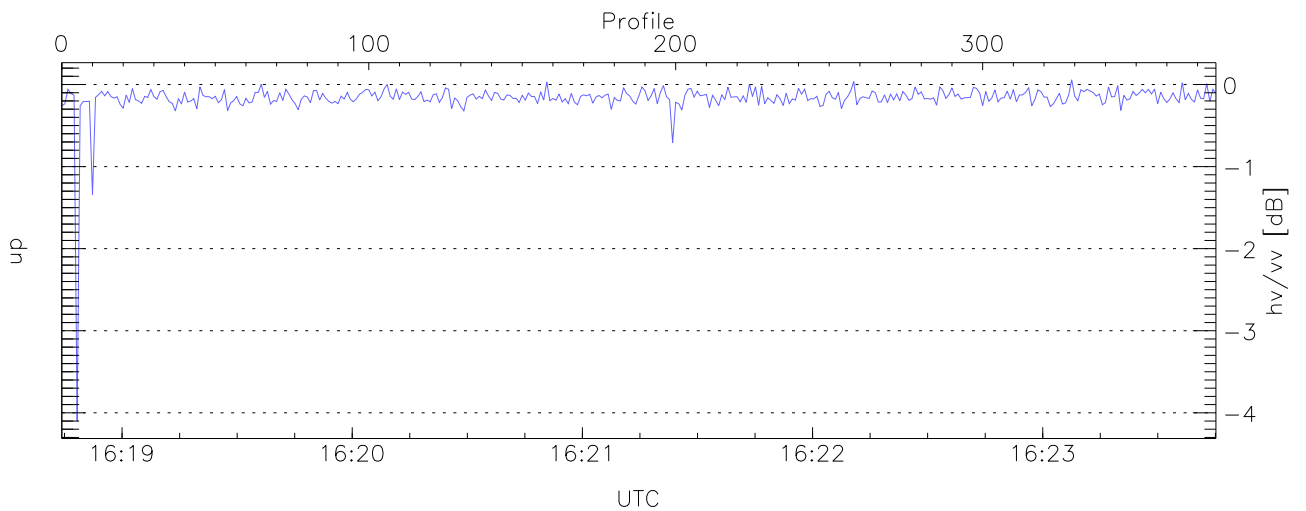
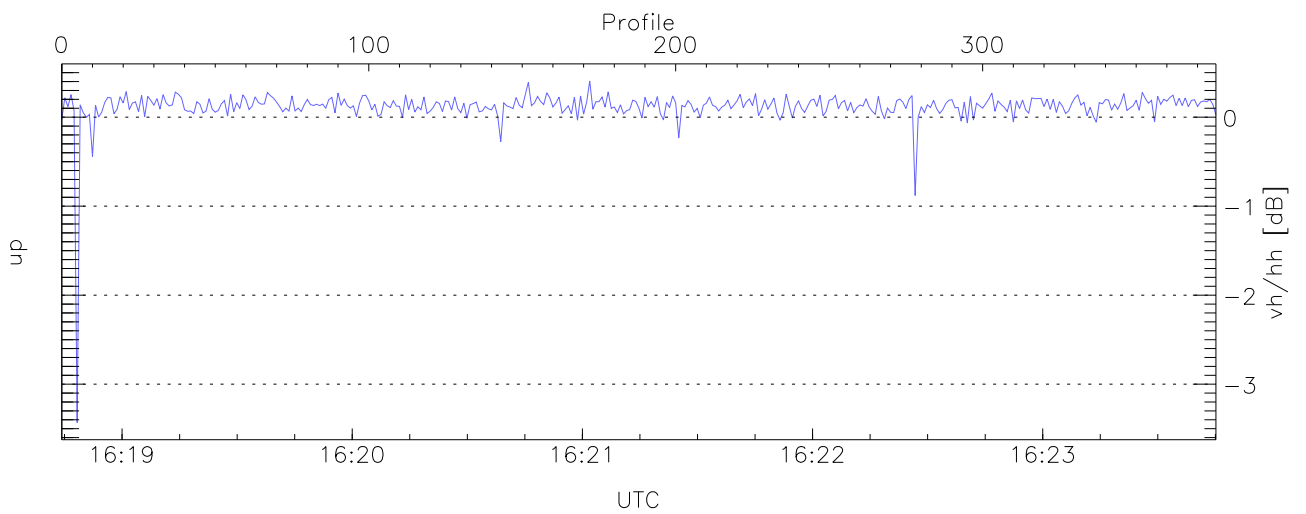
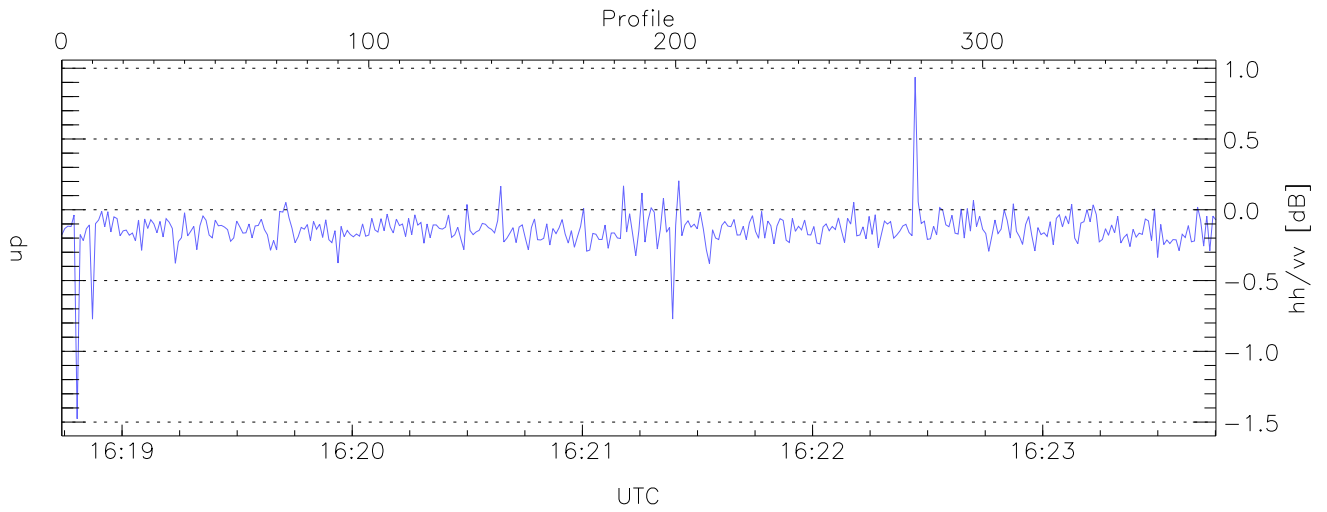


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



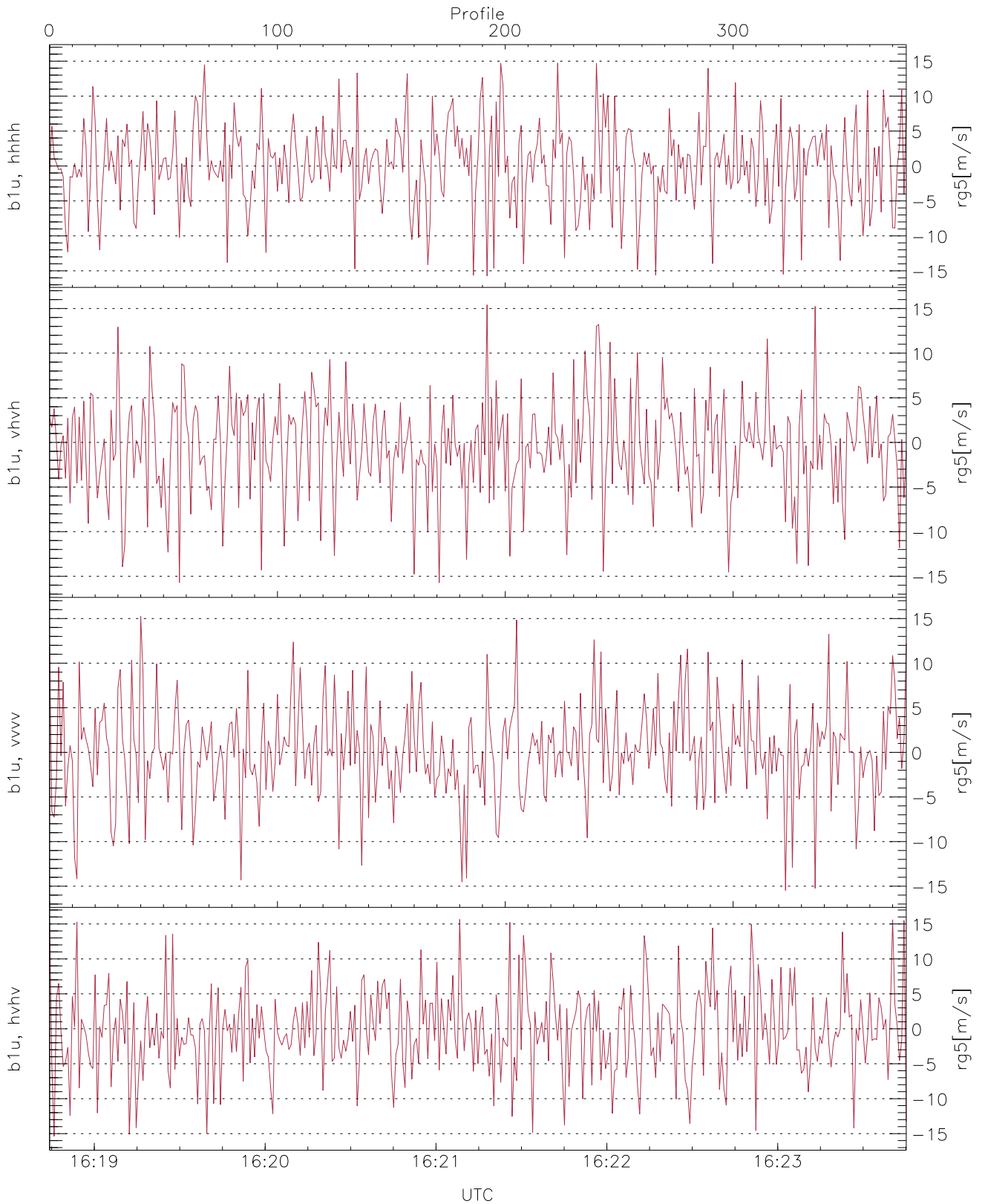
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|-------------|--------|--------|--------|
| up(hh[dBm]) | -65.25 | -55.67 | -65.02 |
| up(vh[dBm]) | -65.11 | -59.10 | -64.95 |
| up(vv[dBm]) | -65.13 | -54.19 | -64.85 |
| up(hv[dBm]) | -65.28 | -58.29 | -65.08 |



WCR3 Co- and Cross-pol Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|----------------|-------|------|-------|
| up(hh/vv [dB]) | -1.48 | 0.94 | -0.14 |
| up(vh/hh [dB]) | -3.43 | 0.41 | 0.12 |
| up(hv/vv [dB]) | -4.11 | 0.06 | -0.16 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.75 | 14.74 | 0.16 | 5.94 |
| b1u, vvhv(rg5[m/s]) | -15.74 | 15.42 | -0.57 | 5.39 |
| b1u, vvvv(rg5[m/s]) | -15.47 | 15.27 | 0.19 | 5.23 |
| b1u, hvhv(rg5[m/s]) | -15.38 | 15.65 | -0.26 | 6.10 |