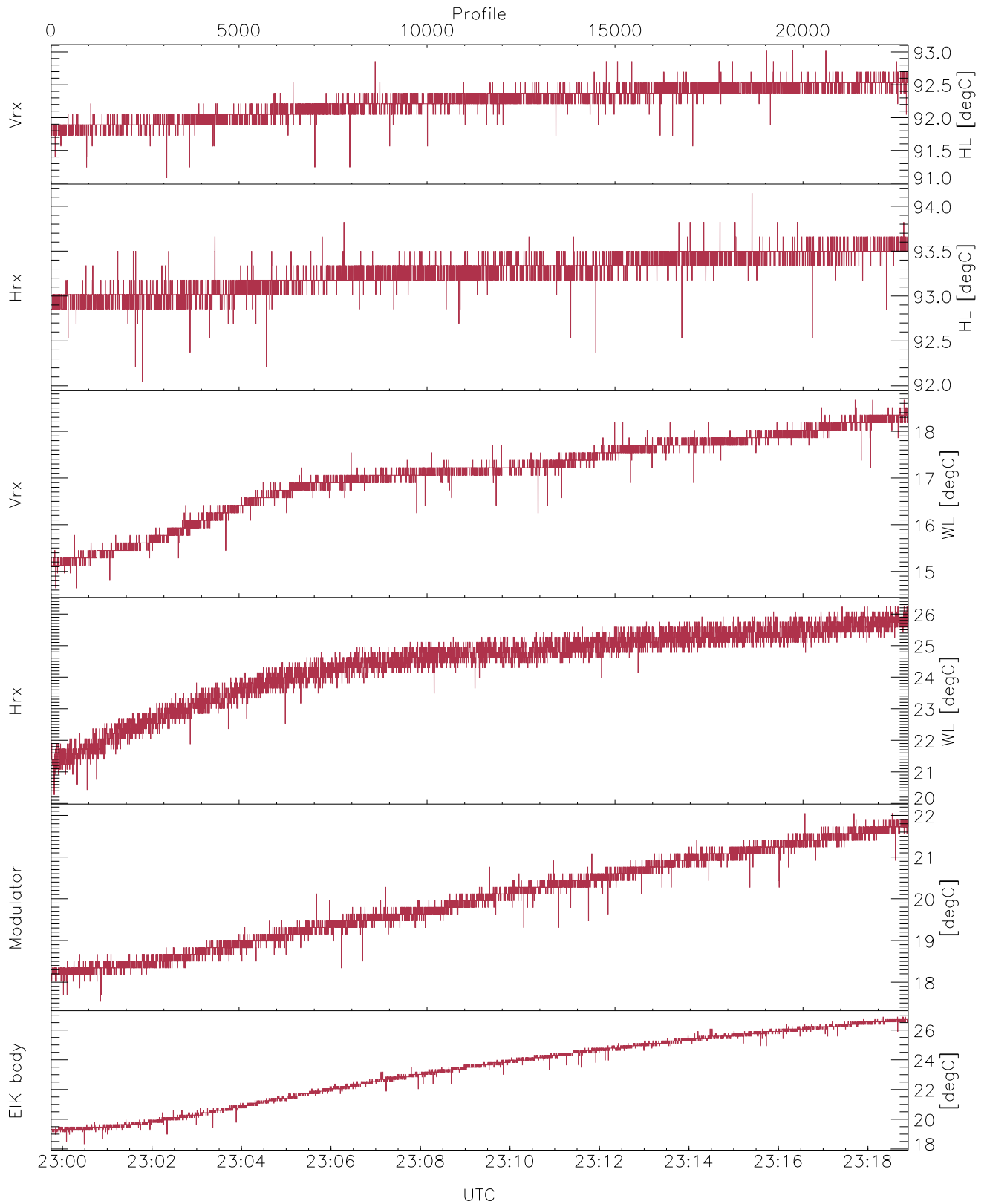


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

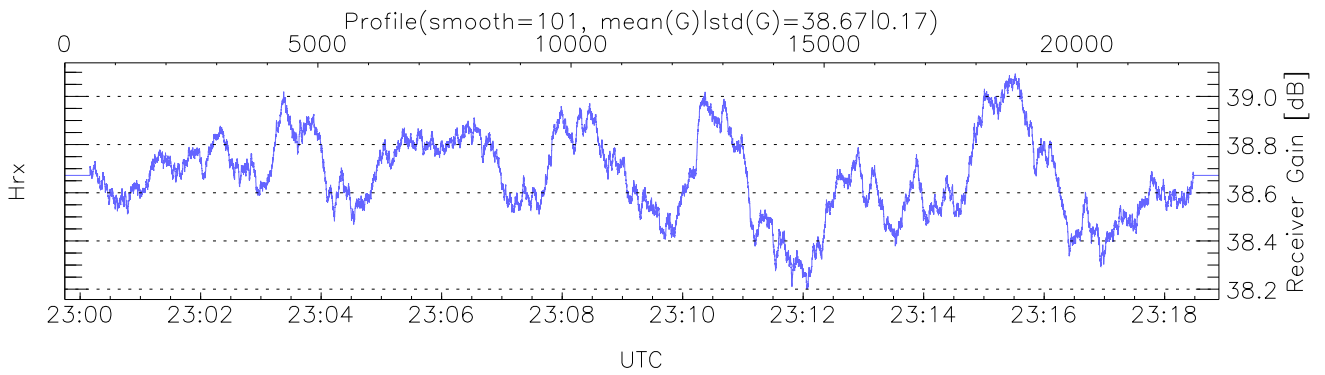
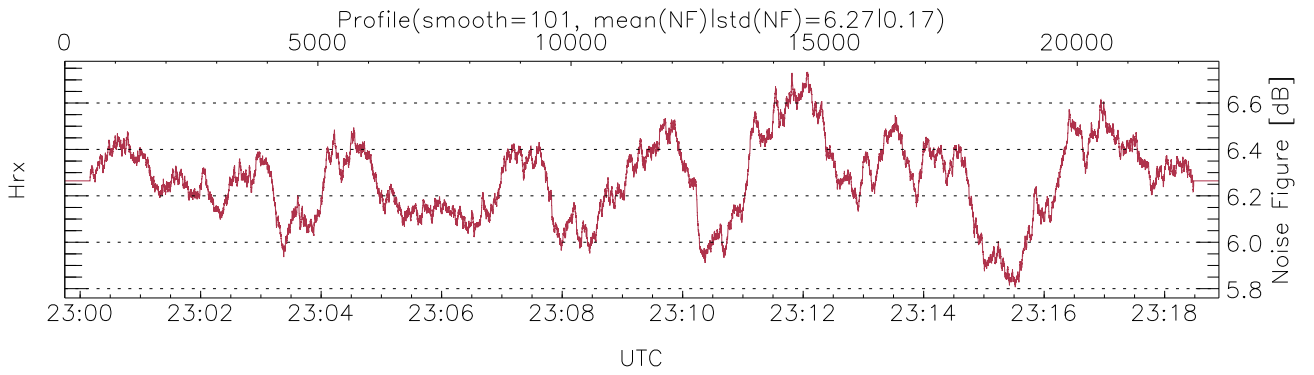
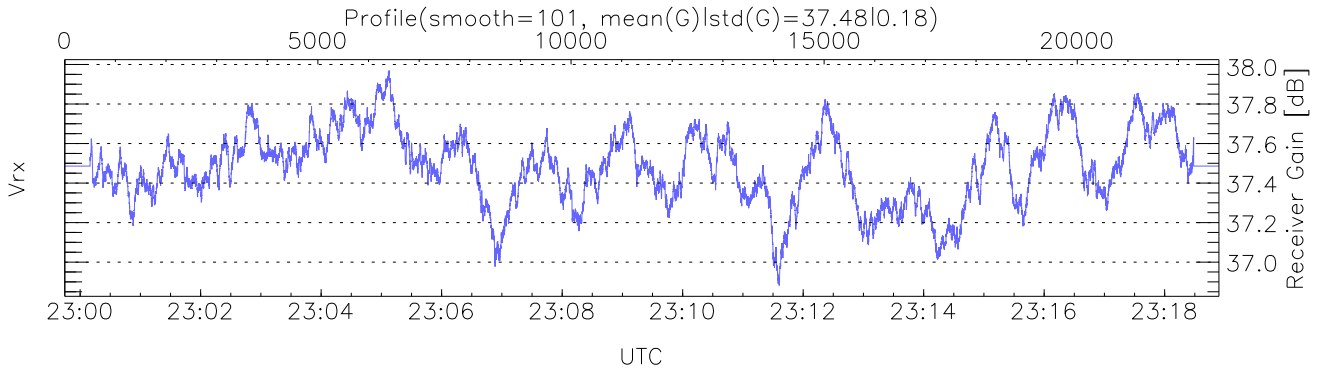
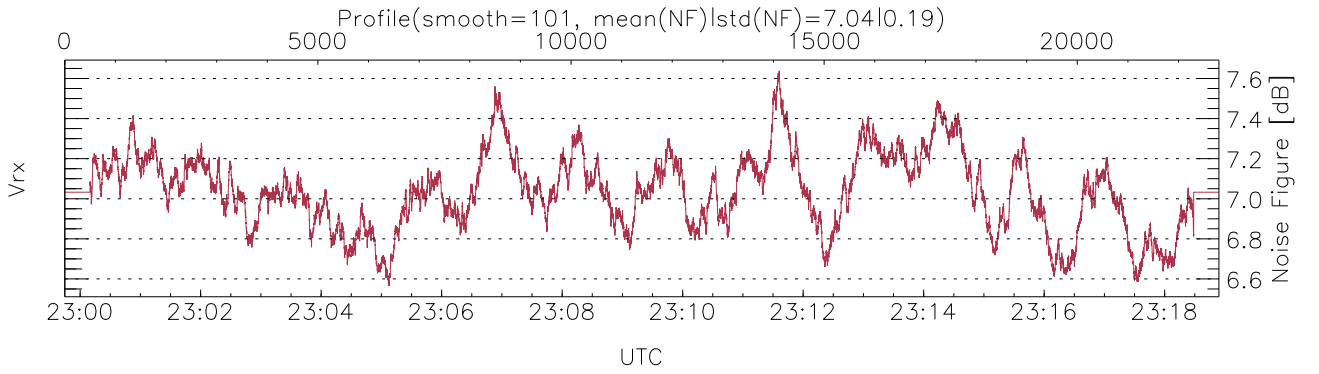
UTC: 22:59:45-23:48:06, Dur: 2901.35s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
 NumRec(r/t): 22800/57553, 0-22799/22:59:45-23:18:54
 AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
 Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

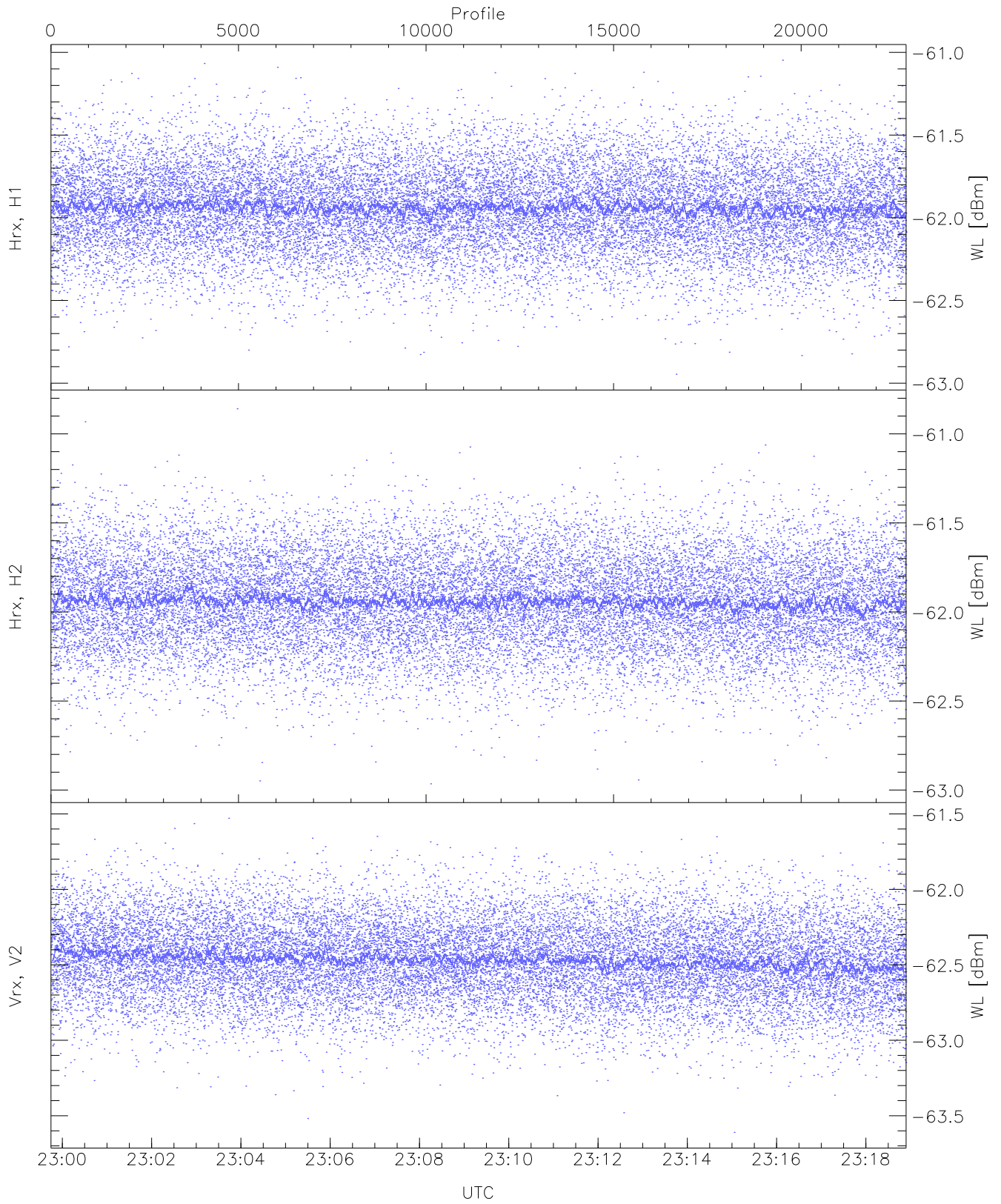
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,14,20,17,18
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,18,26,22,26
 LOalarm(20,80,240,2.8,14.8 MHz): None

EIK Faults(# prof affected):
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (25,25,31,31,25,10)



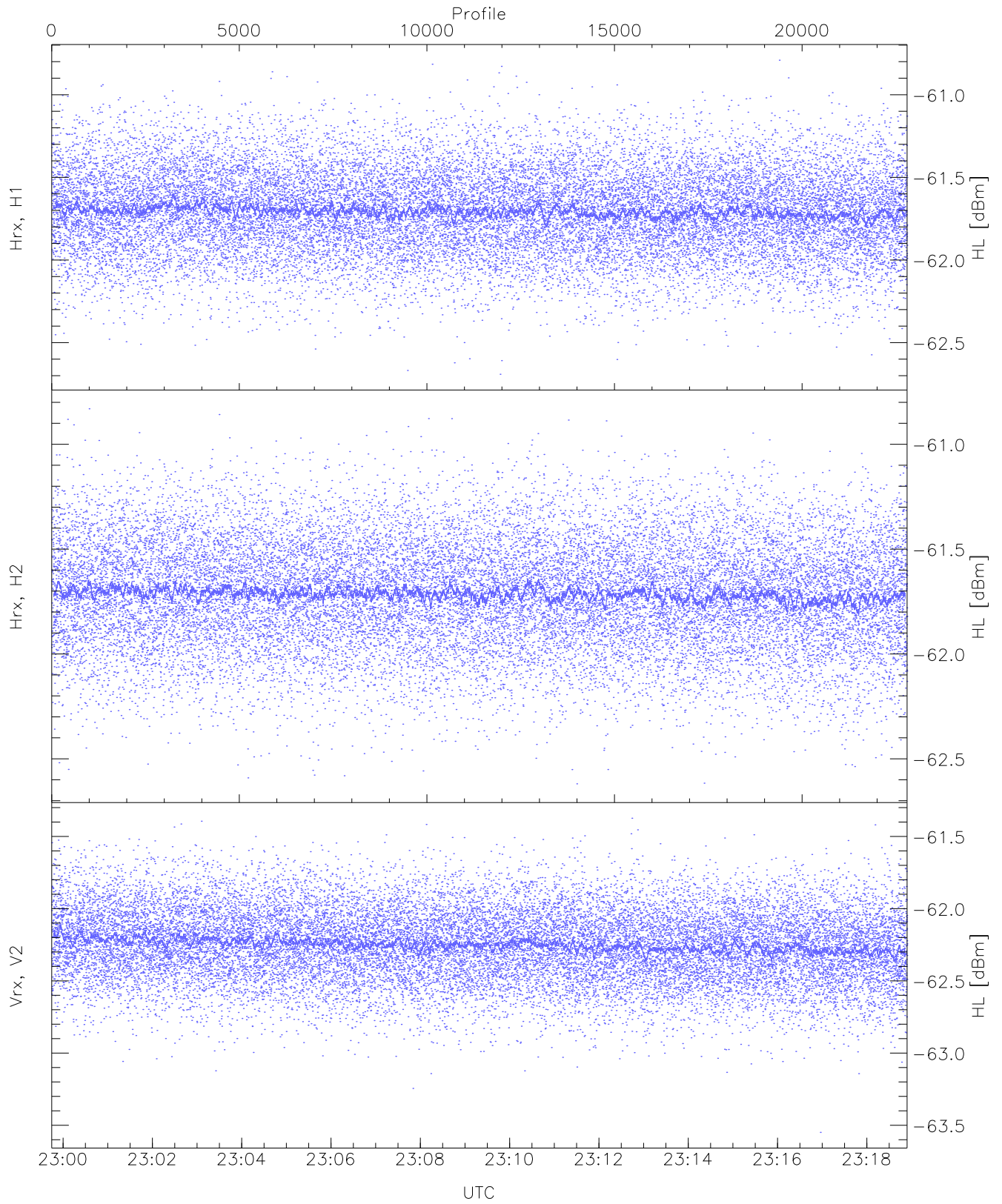
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 4458 pixs, 35 gates, 4428 profs, 1 prods



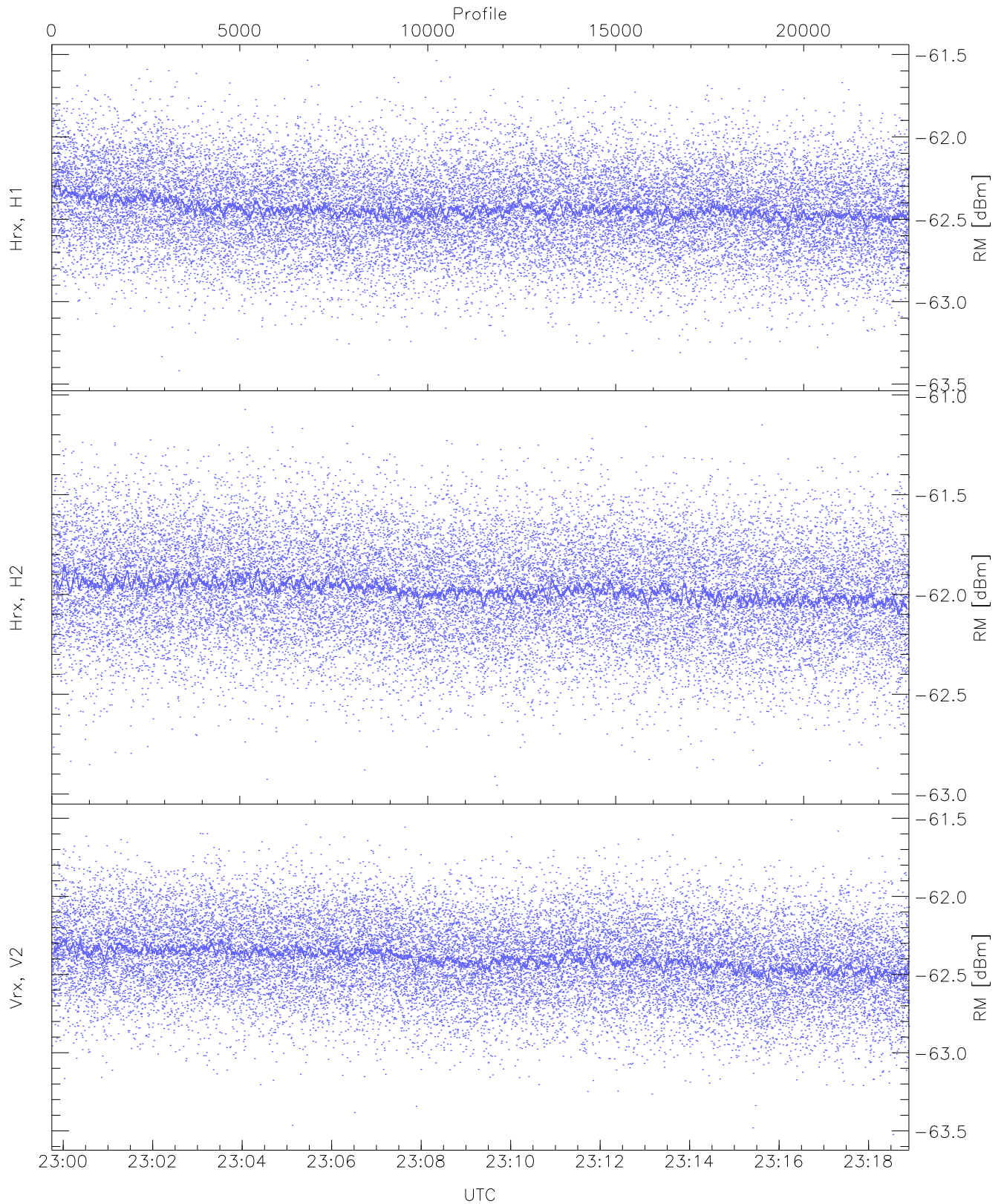
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -62.95 | -61.05 | -61.94 | -61.94 | -74.52 |
| Hrx, H2 (WL [dBm]) | -62.96 | -60.86 | -61.94 | -61.94 | -74.48 |
| Vrx, V2 (WL [dBm]) | -63.61 | -61.53 | -62.46 | -62.47 | -74.97 |



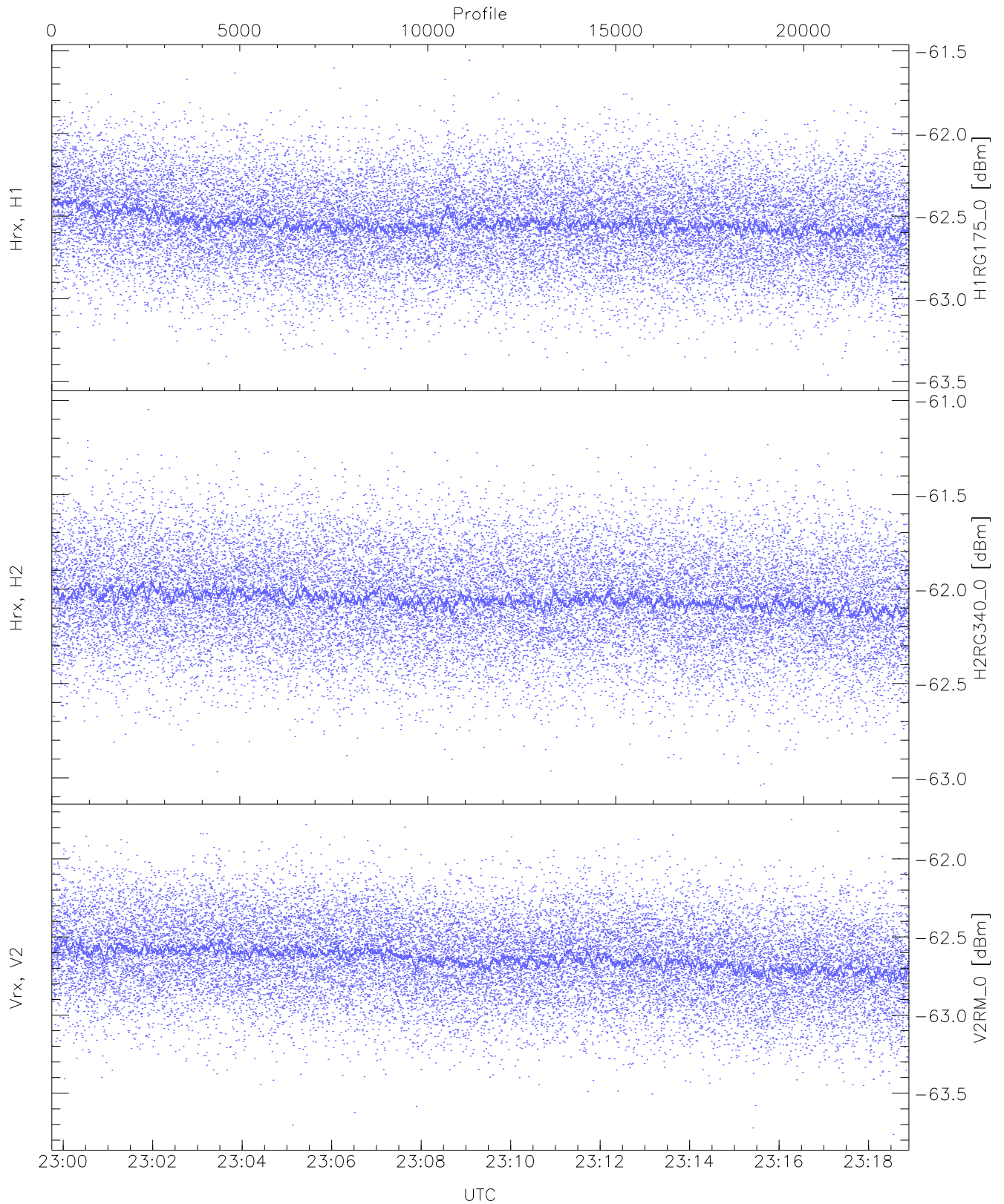
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.69 | -60.79 | -61.70 | -61.71 | -74.23 |
| Hrx, H2 (HL [dBm]) | -62.62 | -60.83 | -61.71 | -61.71 | -74.24 |
| Vrx, V2 (HL [dBm]) | -63.55 | -61.37 | -62.25 | -62.25 | -74.79 |



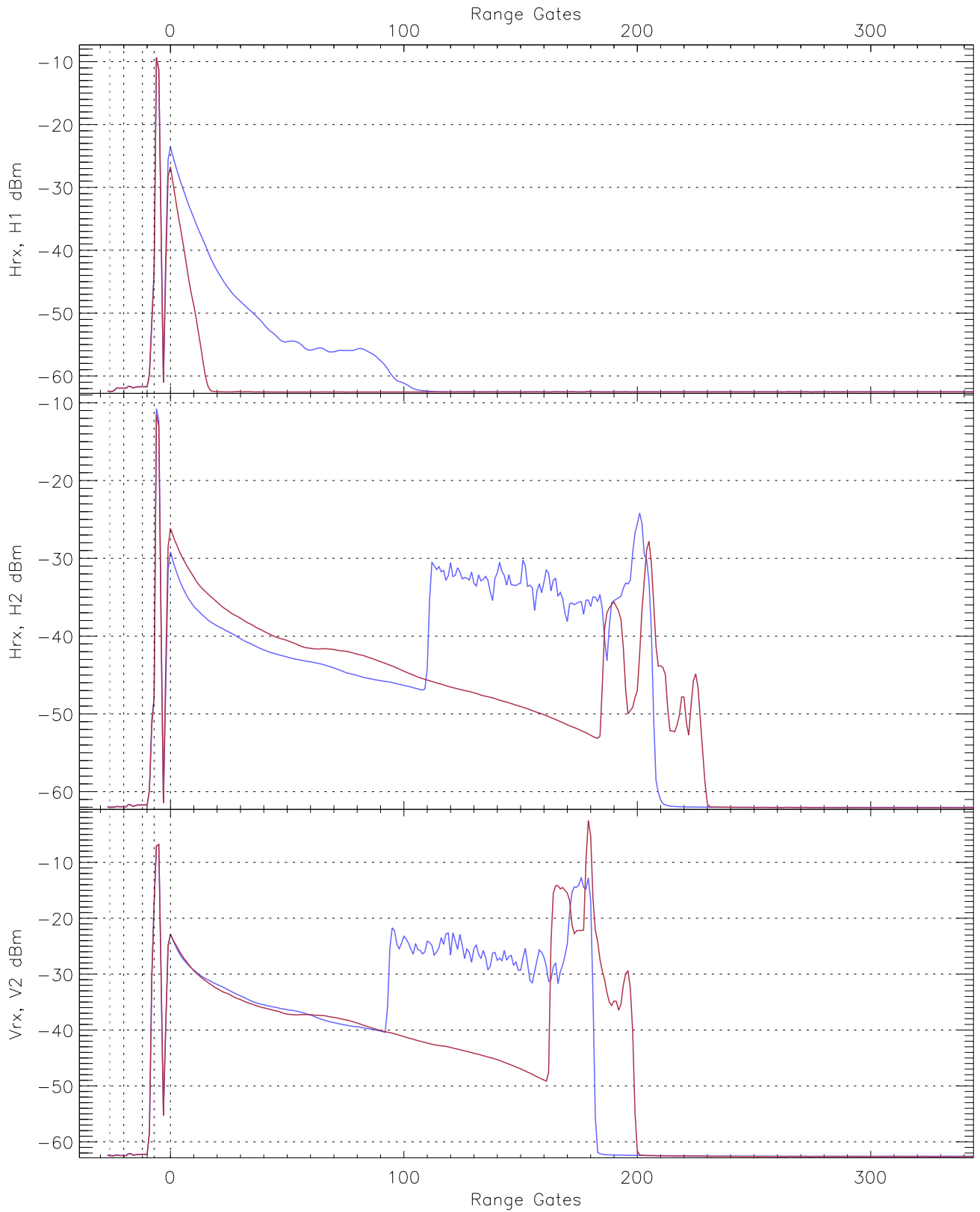
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(RM [dBm]) | -63.45 | -61.54 | -62.44 | -62.44 | -74.99 |
| Hrx, H2(RM [dBm]) | -62.96 | -61.07 | -61.98 | -61.98 | -74.51 |
| Vrx, V2(RM [dBm]) | -63.52 | -61.51 | -62.40 | -62.40 | -74.86 |

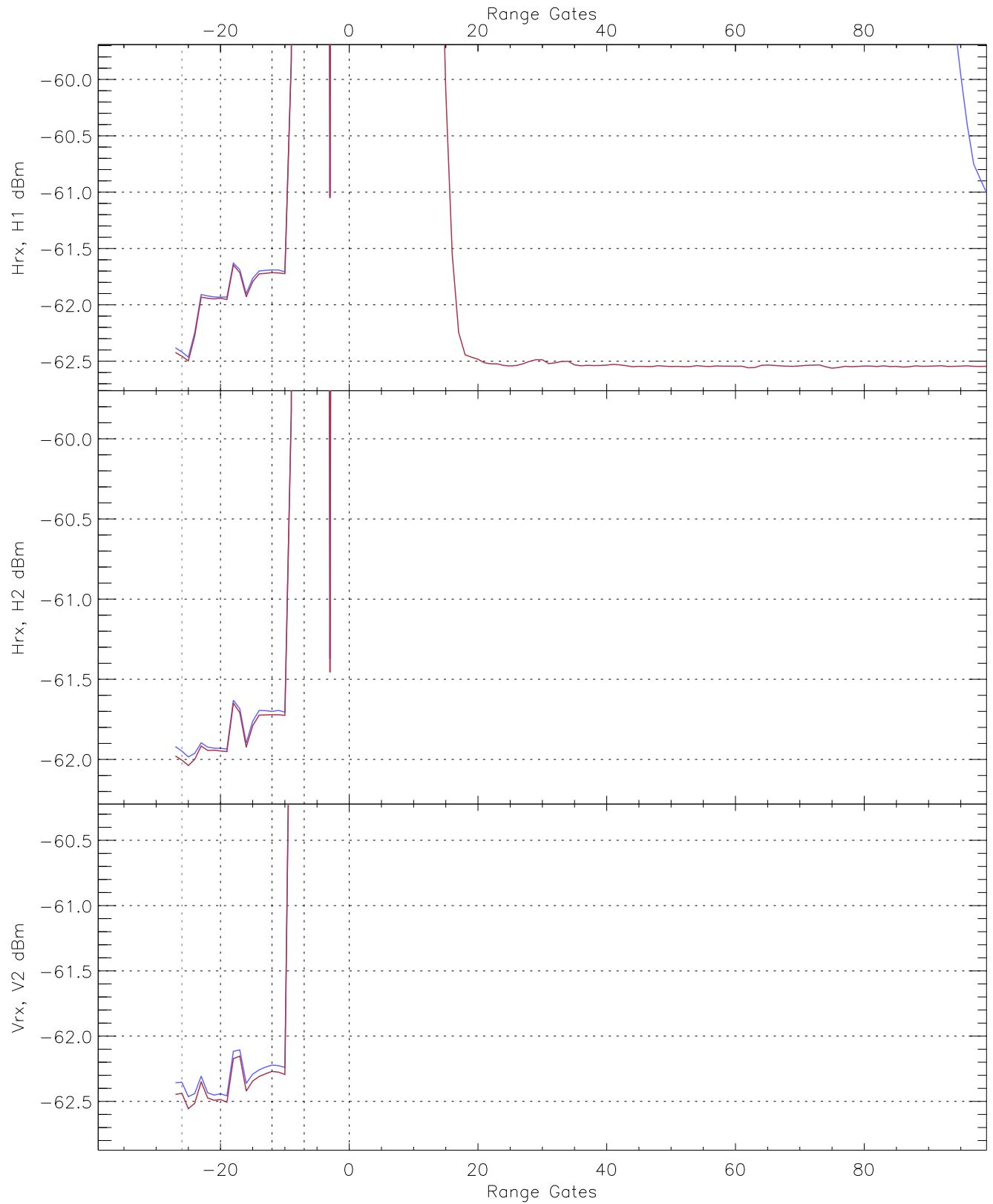


WCR2 CPP "Best" estimate Receivers Noise Power

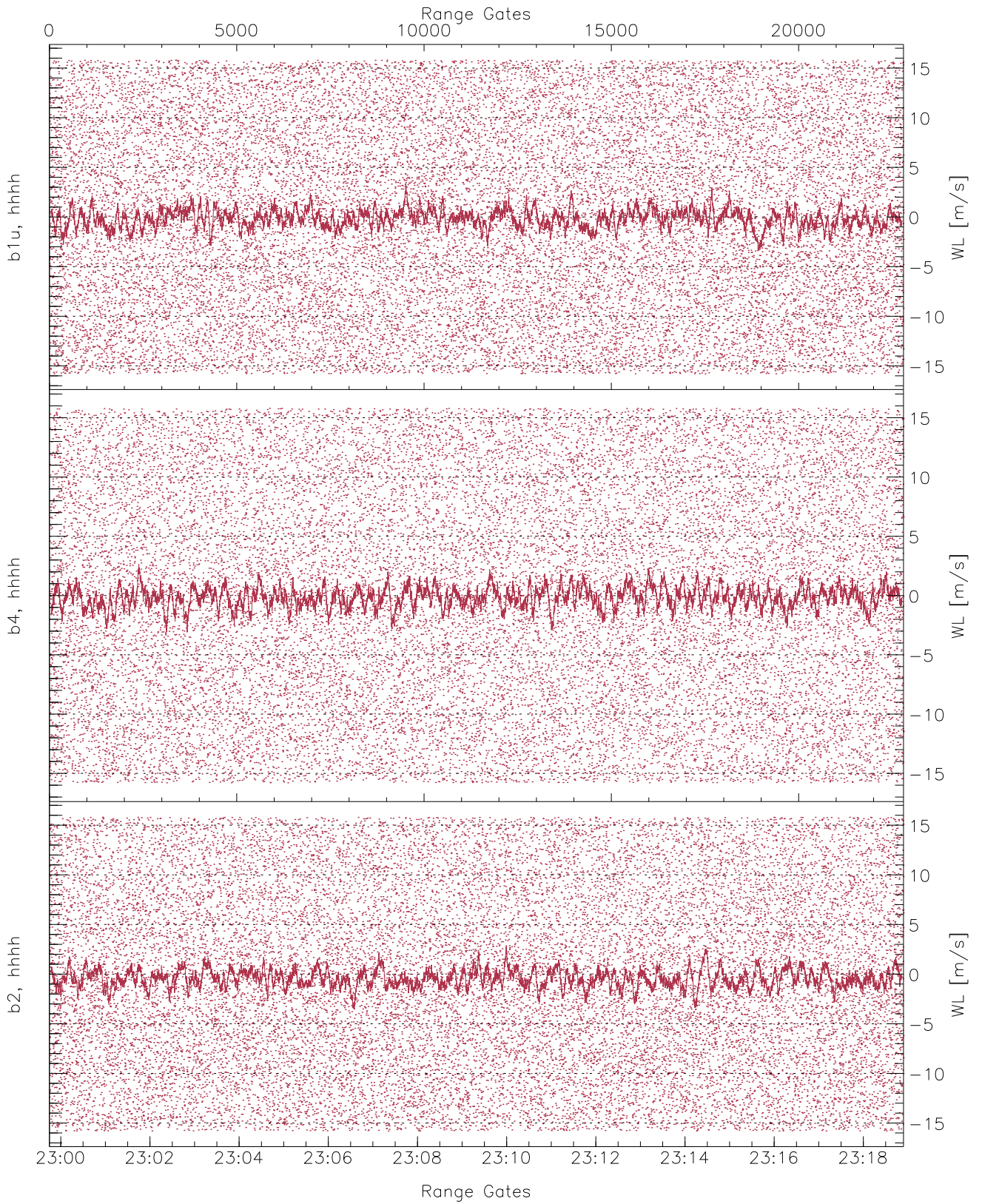
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG175_0 [dBm] | -63.46 | -61.56 | -62.54 | -62.54 | -75.04 |
| H2RG340_0 [dBm] | -63.04 | -61.05 | -62.05 | -62.06 | -74.59 |
| V2RM_0 [dBm] | -63.76 | -61.75 | -62.64 | -62.64 | -75.10 |



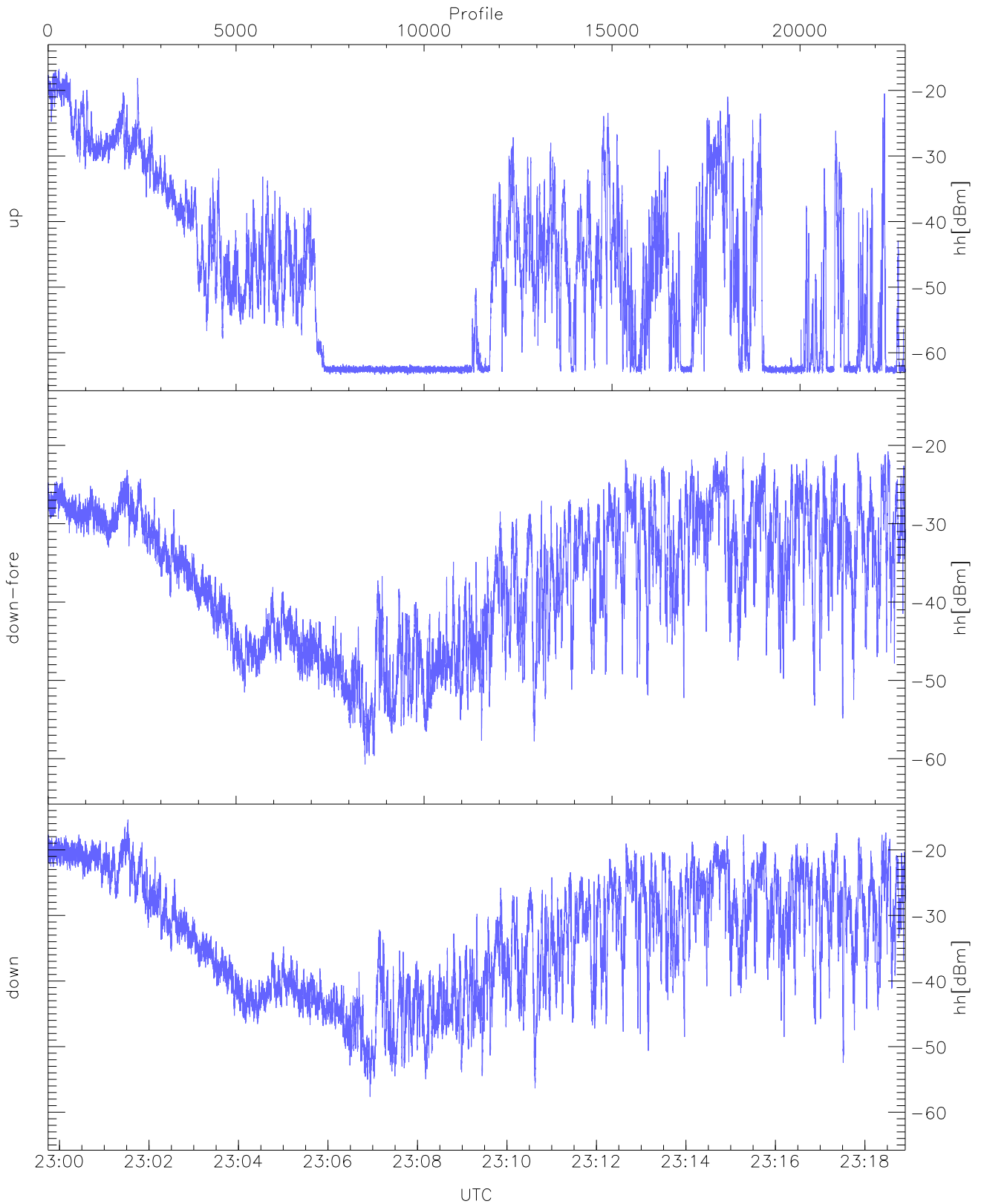
WCR2 CPP Averaged Received power for all recorded gates
blue: 225945-230919, 11401 profiles averaged
red: 230919-231854, 11400 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 225945-230919, 11401 profiles averaged
red: 230919-231854, 11400 profiles averaged

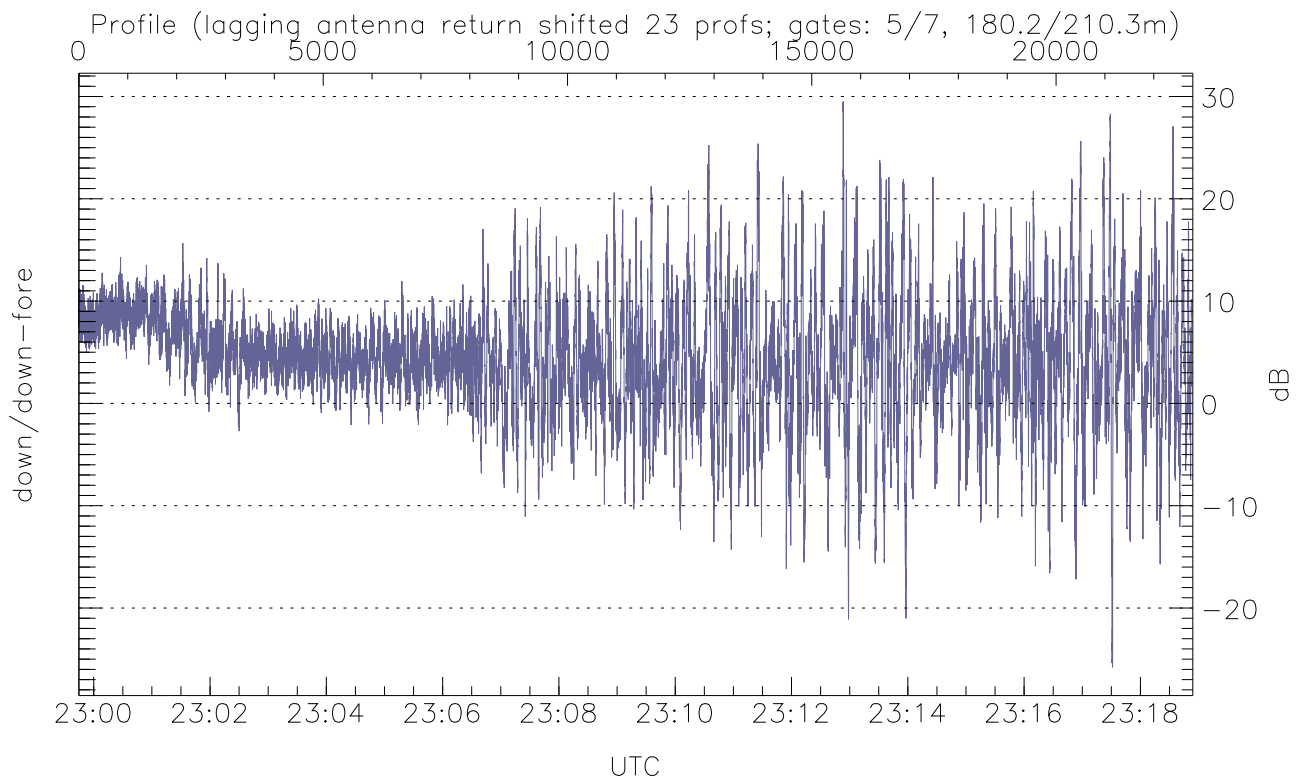
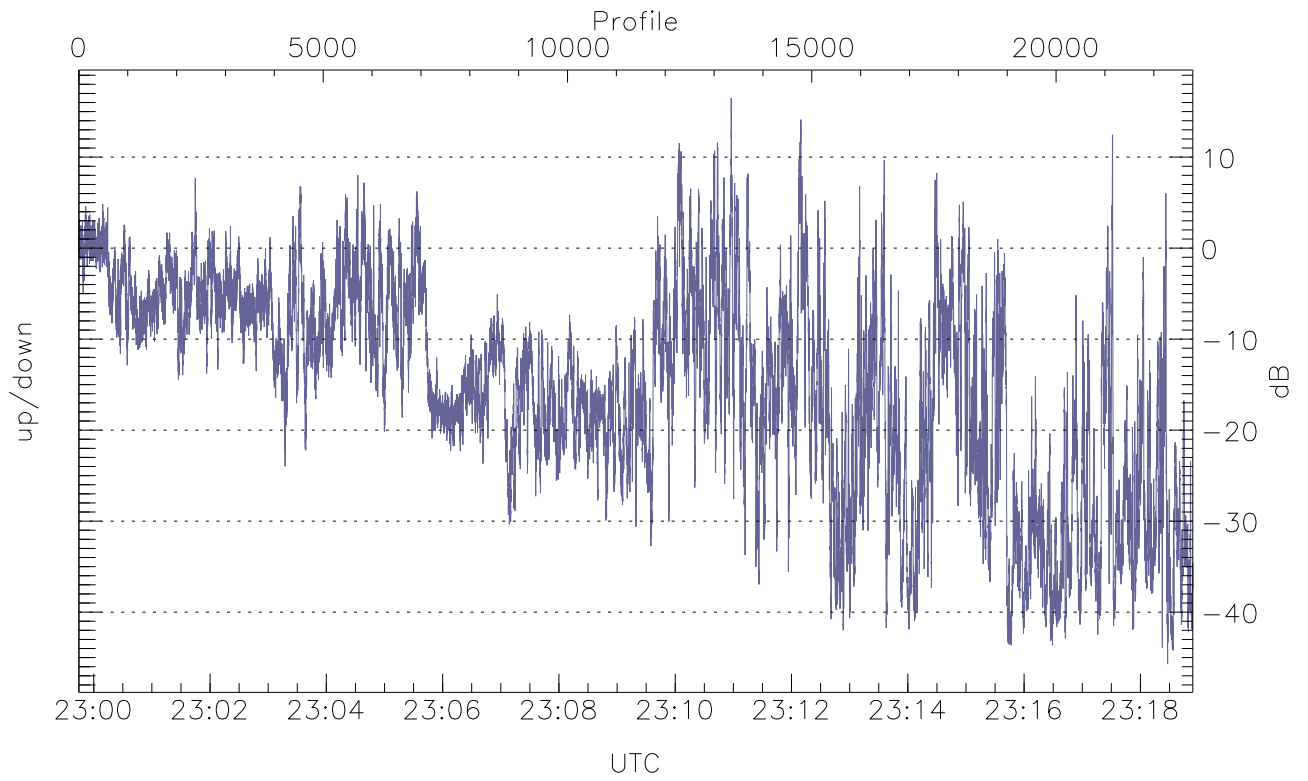


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



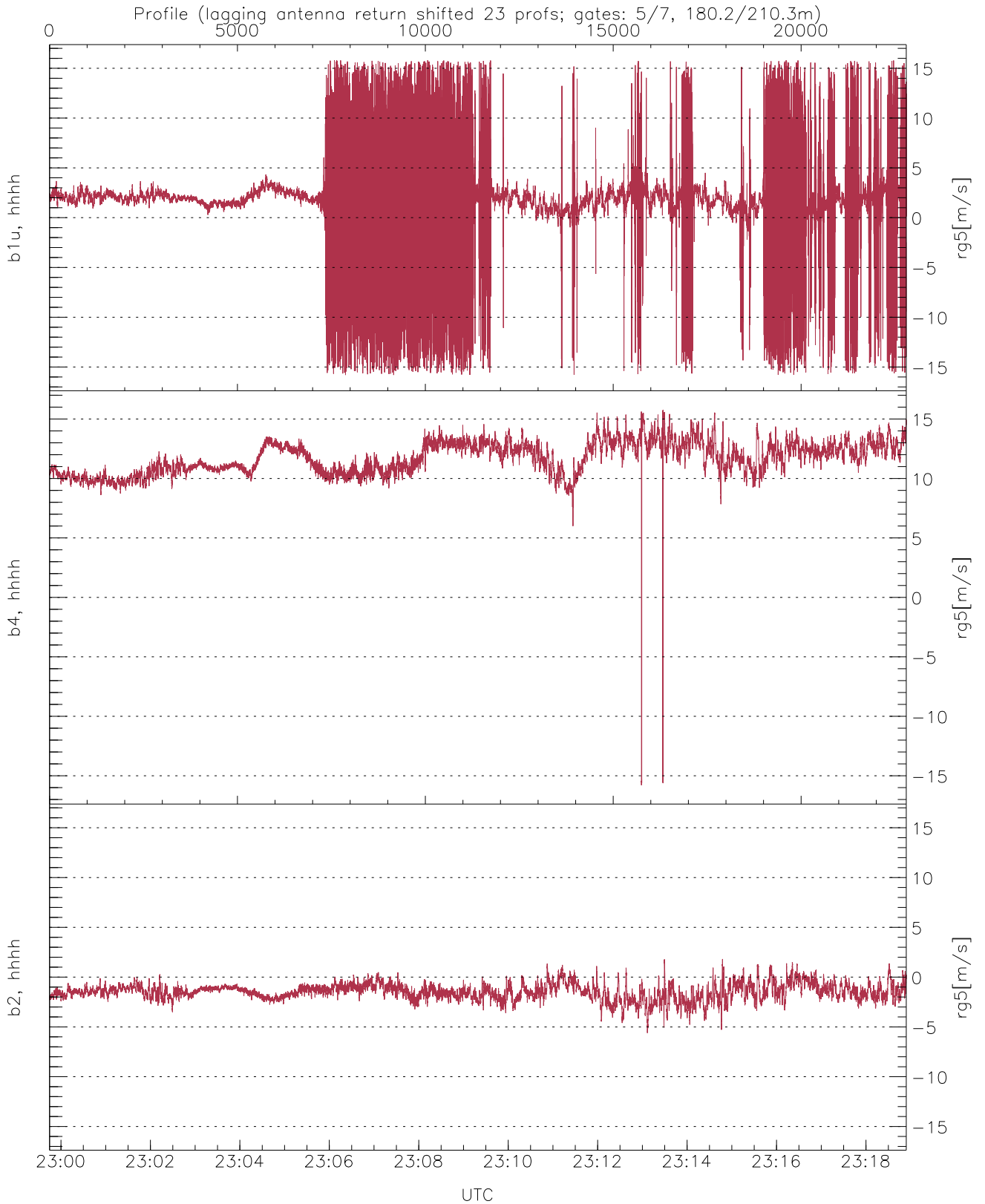
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -63.39 | -16.73 | -32.21 |
| down-fore(hh[dBm]) | -60.72 | -20.77 | -31.32 |
| down(hh[dBm]) | -57.64 | -15.42 | -26.87 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|---------------------|--------|-------|--------|
| up/down (dB) | -45.71 | 16.47 | -14.97 |
| down/down-fore (dB) | -25.79 | 29.51 | 4.56 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | 1.22 | 5.04 |
| b4, hhhh(rg5[m/s]) | -15.79 | 15.77 | 11.71 | 1.47 |
| b2, hhhh(rg5[m/s]) | -5.61 | 1.81 | -1.47 | 0.82 |