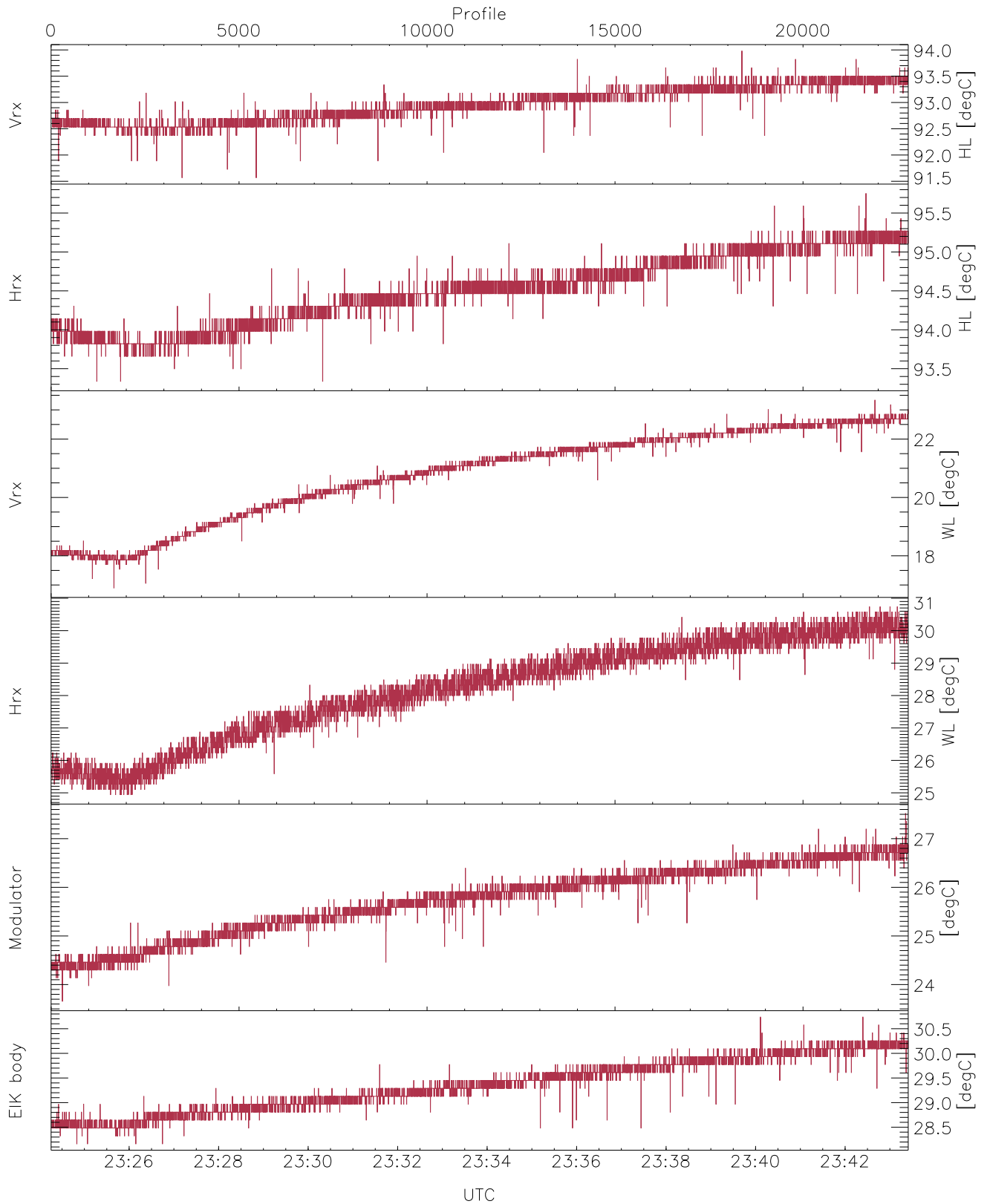


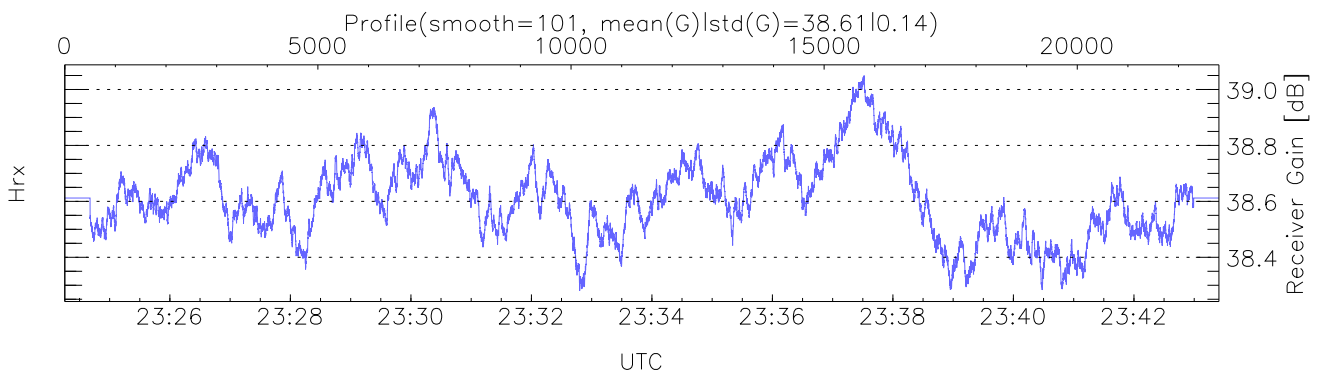
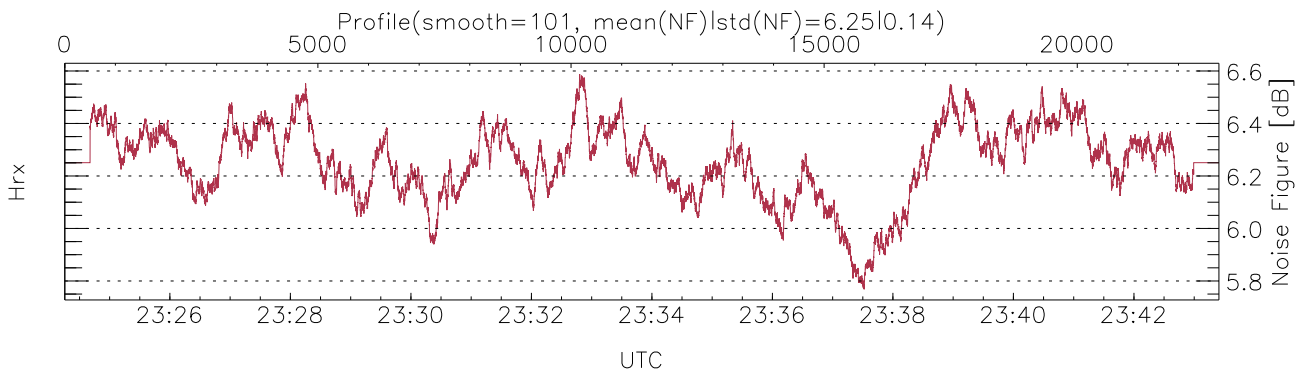
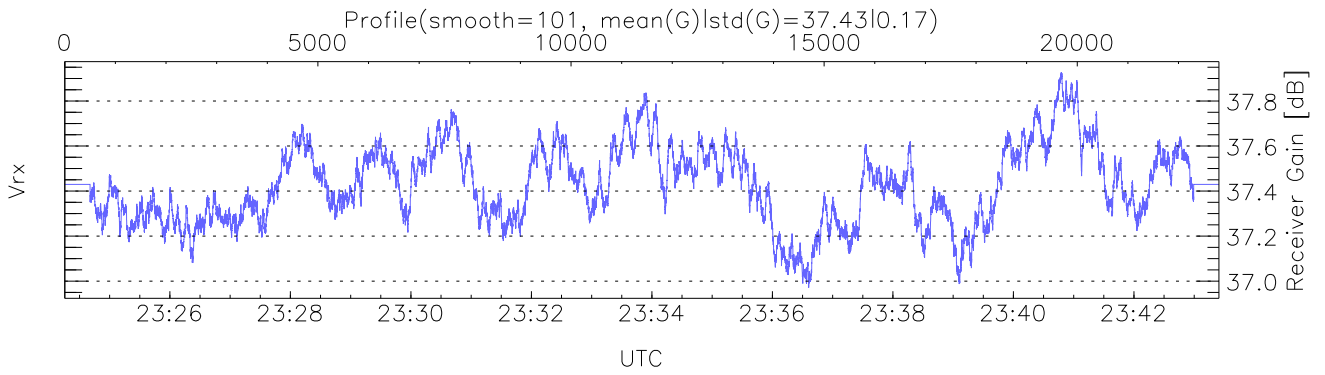
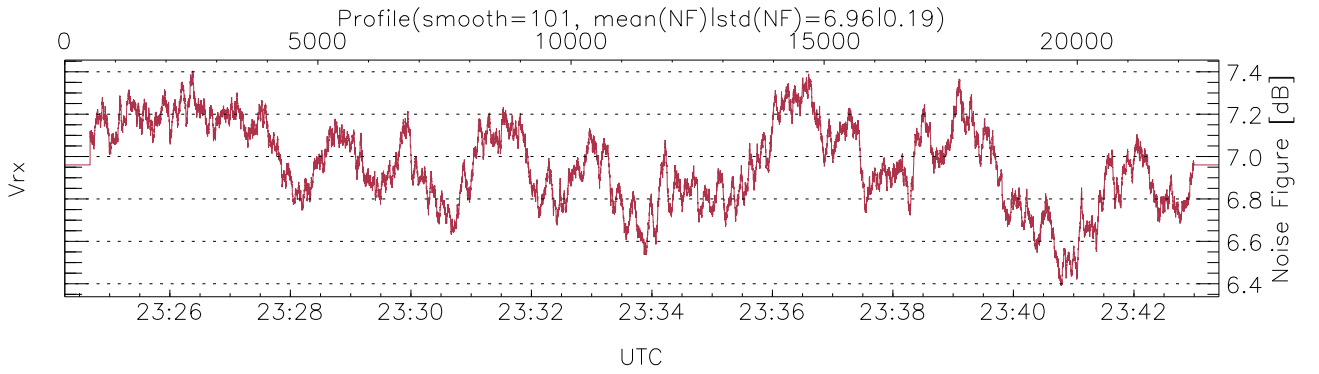
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 23:24:15-23:48:36, Dur: 1460.96s
 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): 22800/28981, 0-22799/23:24:15-23:43:25
 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



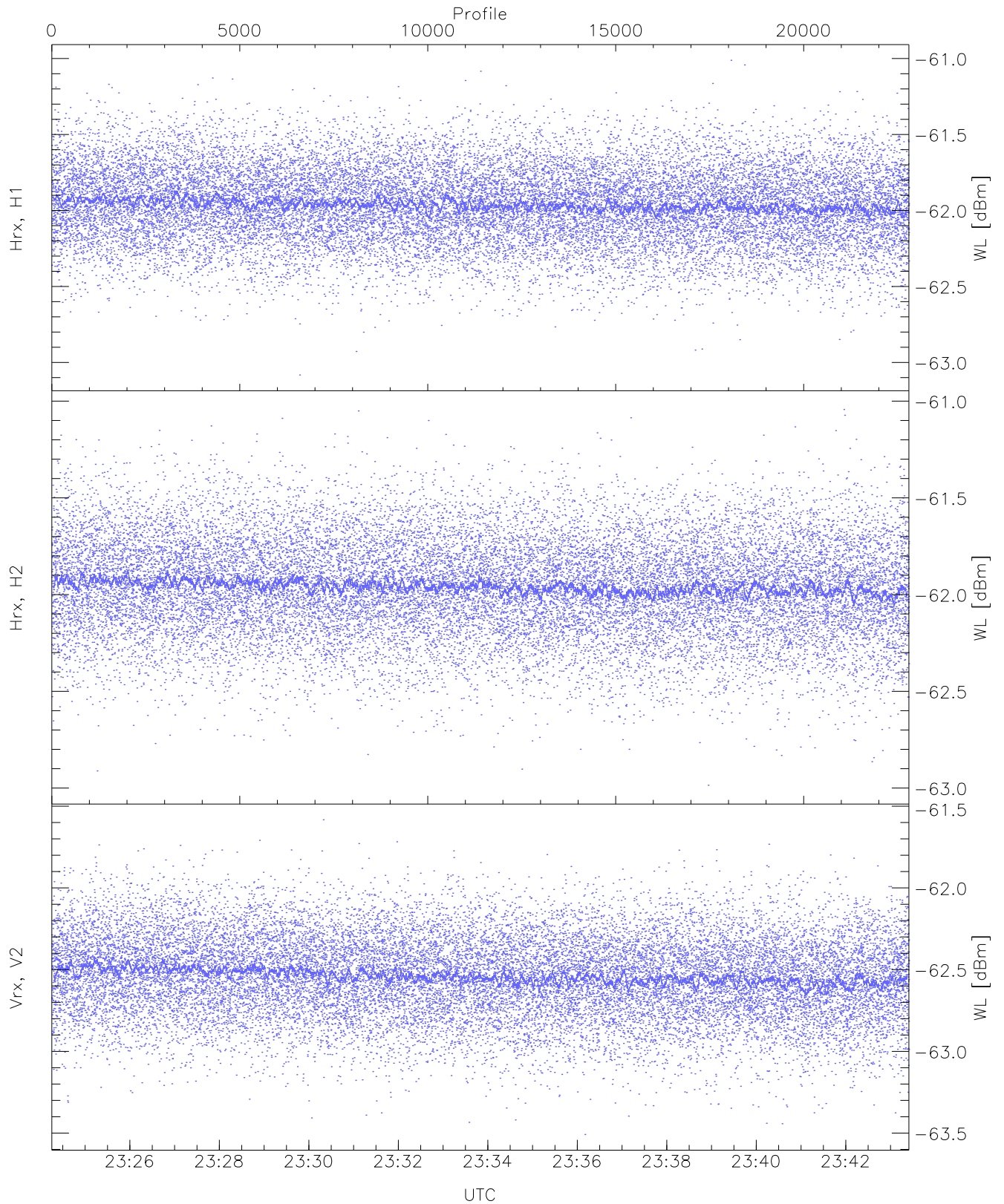
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,16,24,23,28
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,23,30,27,30
 LOalarm(20,80,240,2.8,14.8 MHz): None
 EIK Faults(# prof affected):
 DeckT, CollT, BodyCurr, DeckF, OverDuty, HVPS (5,10,10,10,5,10)



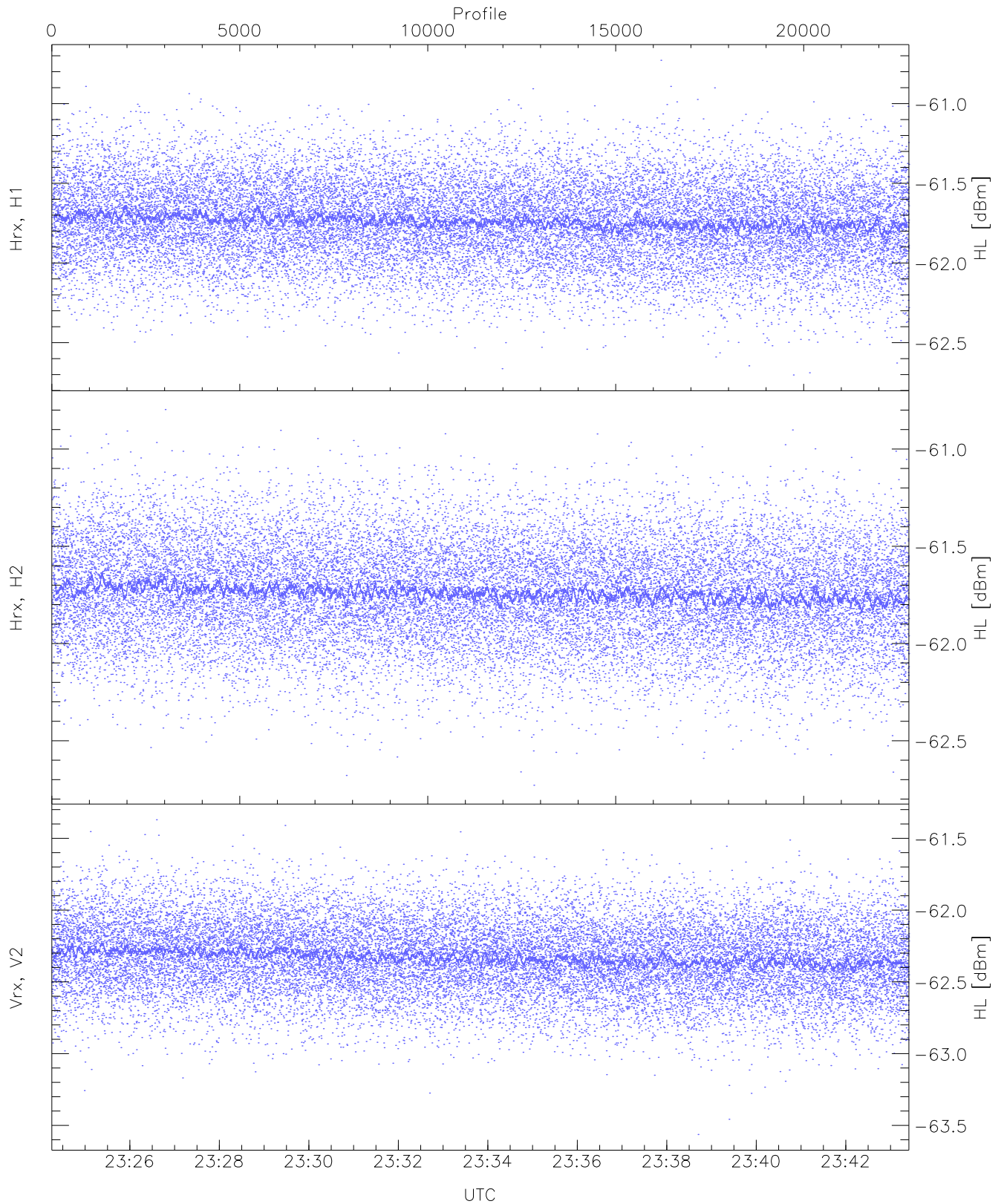
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 3447 pixs, 26 gates, 3444 profs, 1 prods



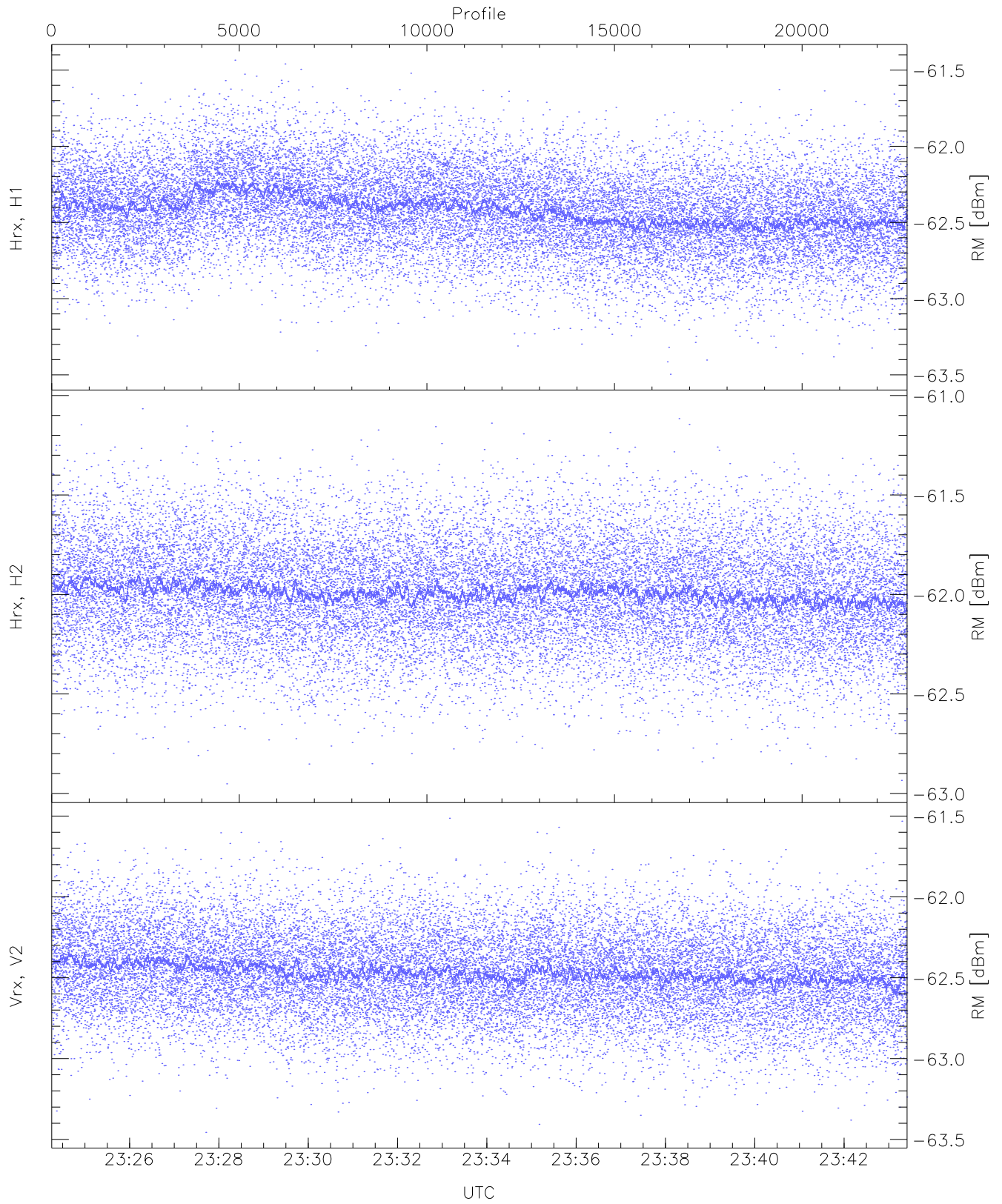
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.08 | -61.01 | -61.96 | -61.96 | -74.50 |
| Hrx, H2 (WL [dBm]) | -62.99 | -61.04 | -61.96 | -61.96 | -74.49 |
| Vrx, V2 (WL [dBm]) | -63.51 | -61.58 | -62.54 | -62.54 | -75.10 |



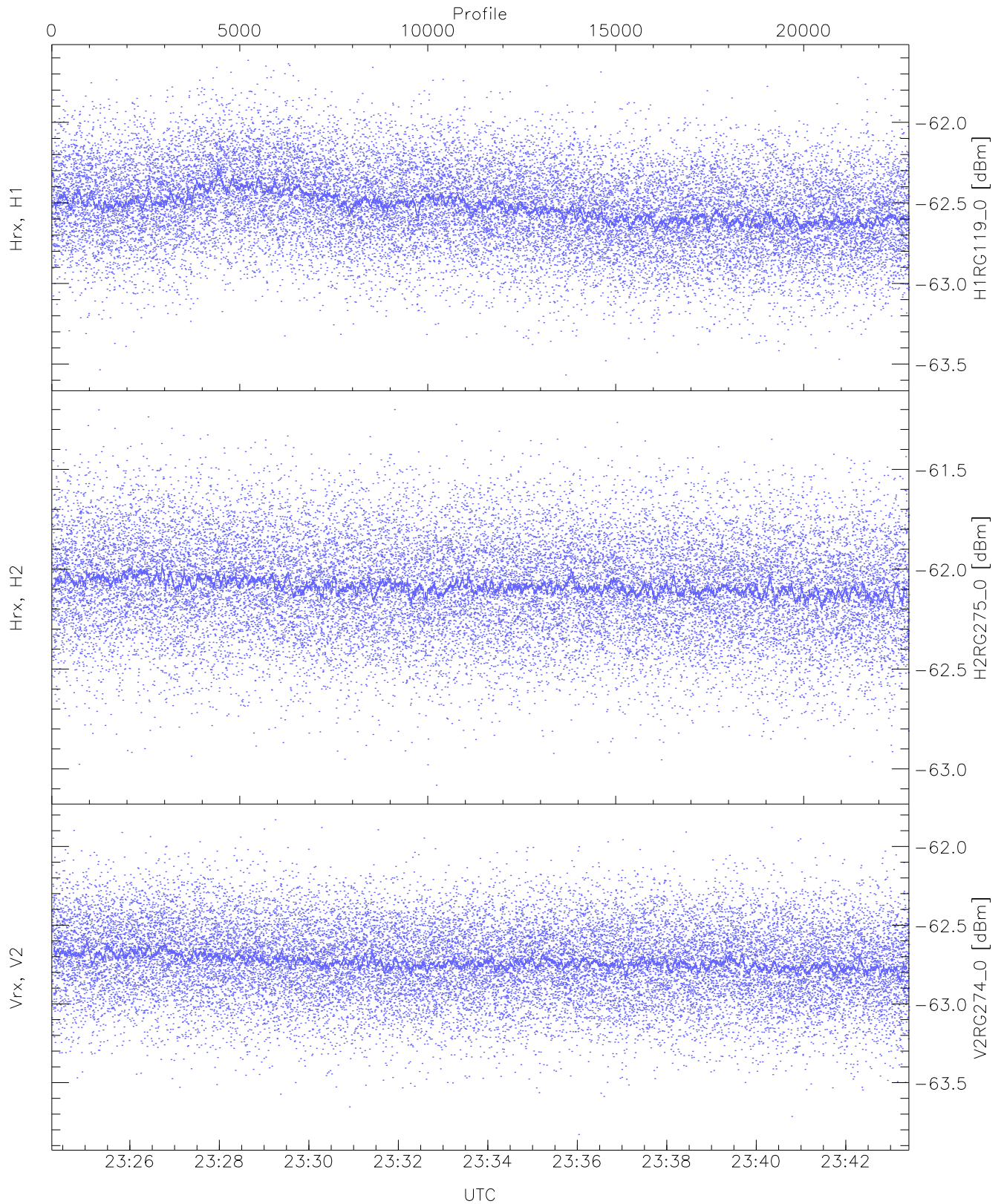
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.70 | -60.73 | -61.74 | -61.74 | -74.28 |
| Hrx, H2 (HL [dBm]) | -62.73 | -60.80 | -61.74 | -61.74 | -74.30 |
| Vrx, V2 (HL [dBm]) | -63.56 | -61.37 | -62.33 | -62.33 | -74.86 |



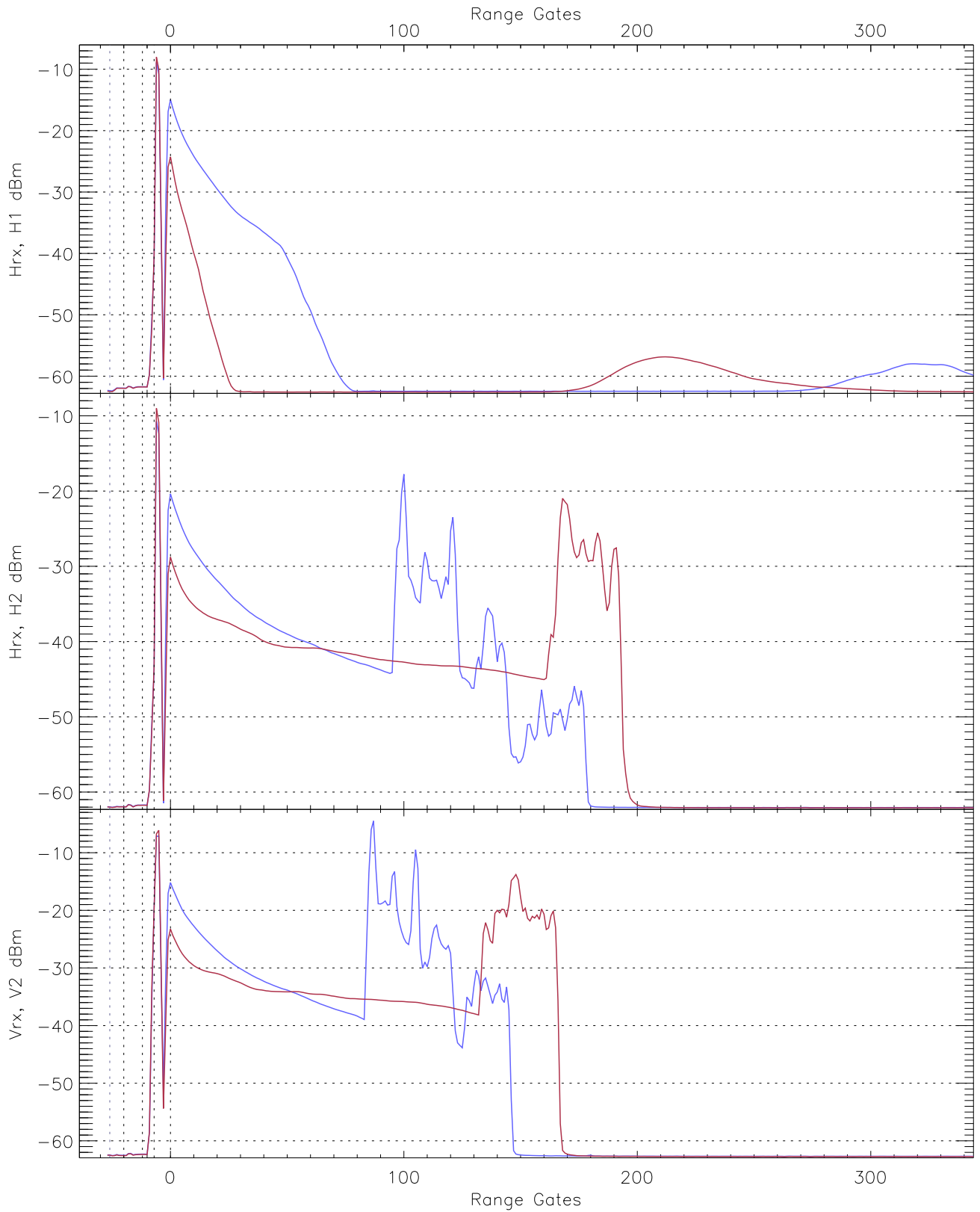
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.50 | -61.44 | -62.42 | -62.42 | -74.73 |
| Hrx, H2 (RM [dBm]) | -62.95 | -61.07 | -61.99 | -61.99 | -74.53 |
| Vrx, V2 (RM [dBm]) | -63.46 | -61.51 | -62.47 | -62.47 | -74.95 |

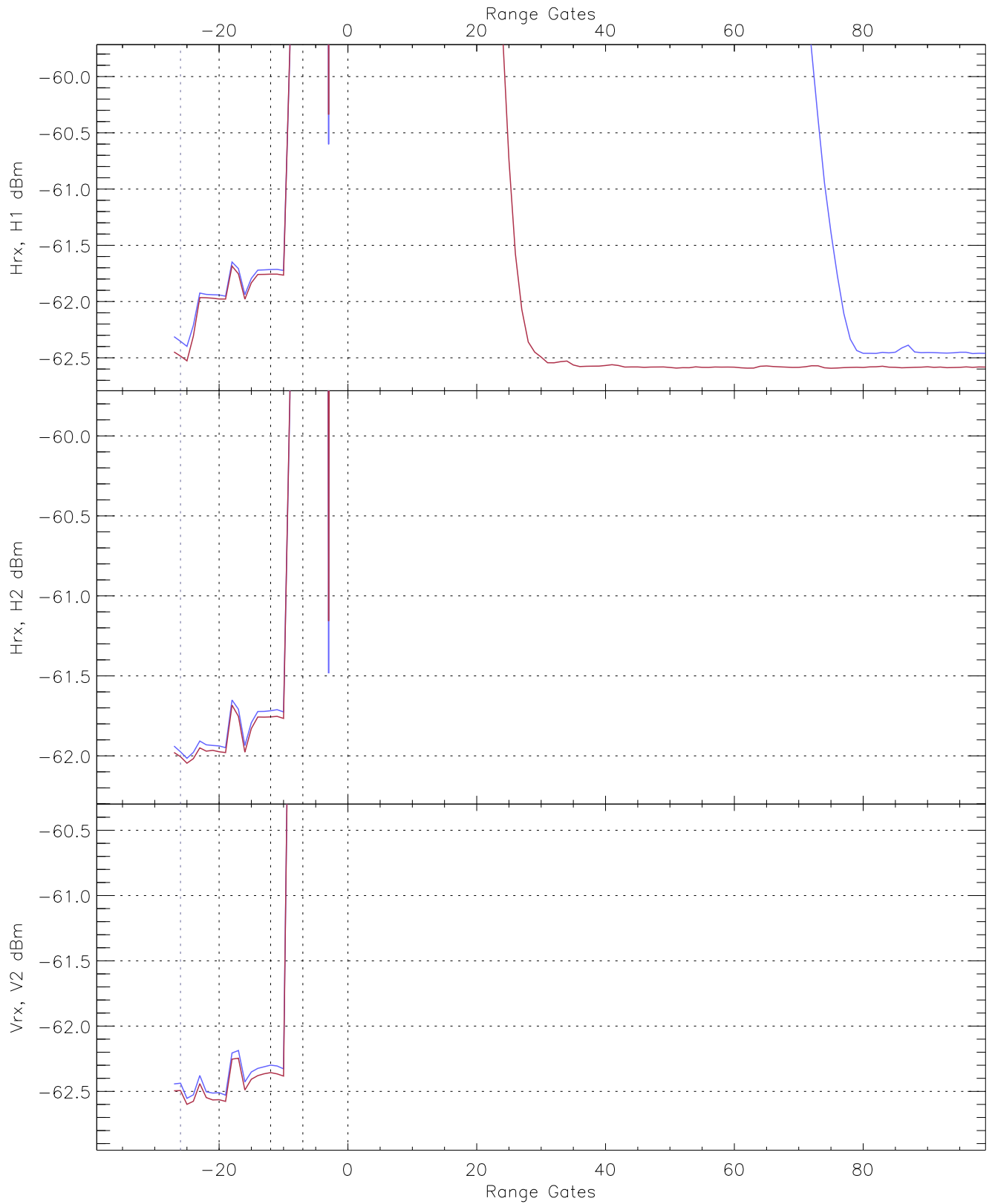


WCR2 CPP "Best" estimate Receivers Noise Power

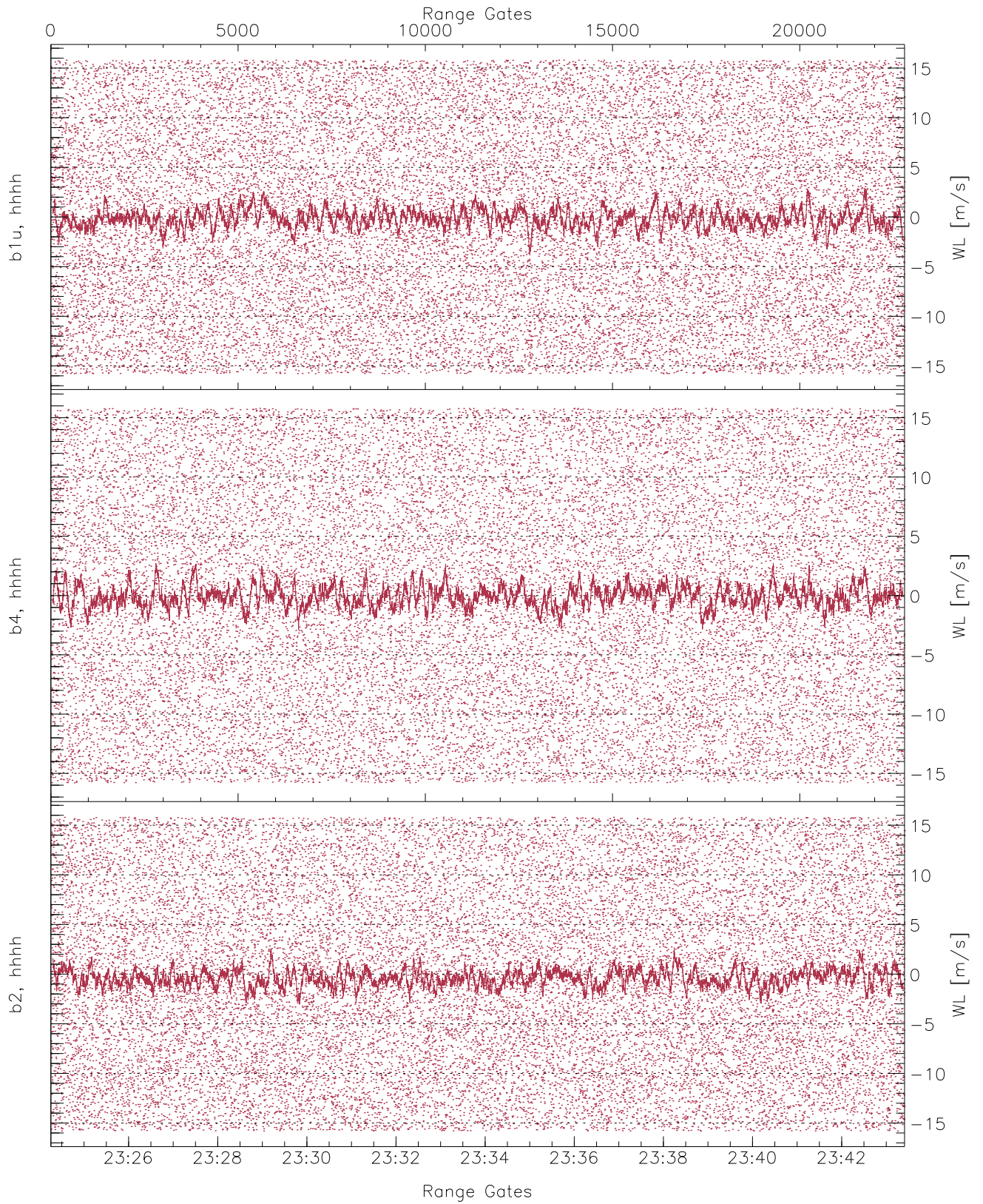
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG119_0 [dBm] | -63.57 | -61.62 | -62.52 | -62.53 | -74.86 |
| H2RG275_0 [dBm] | -63.08 | -61.20 | -62.08 | -62.09 | -74.60 |
| V2RG274_0 [dBm] | -63.83 | -61.83 | -62.73 | -62.73 | -75.26 |



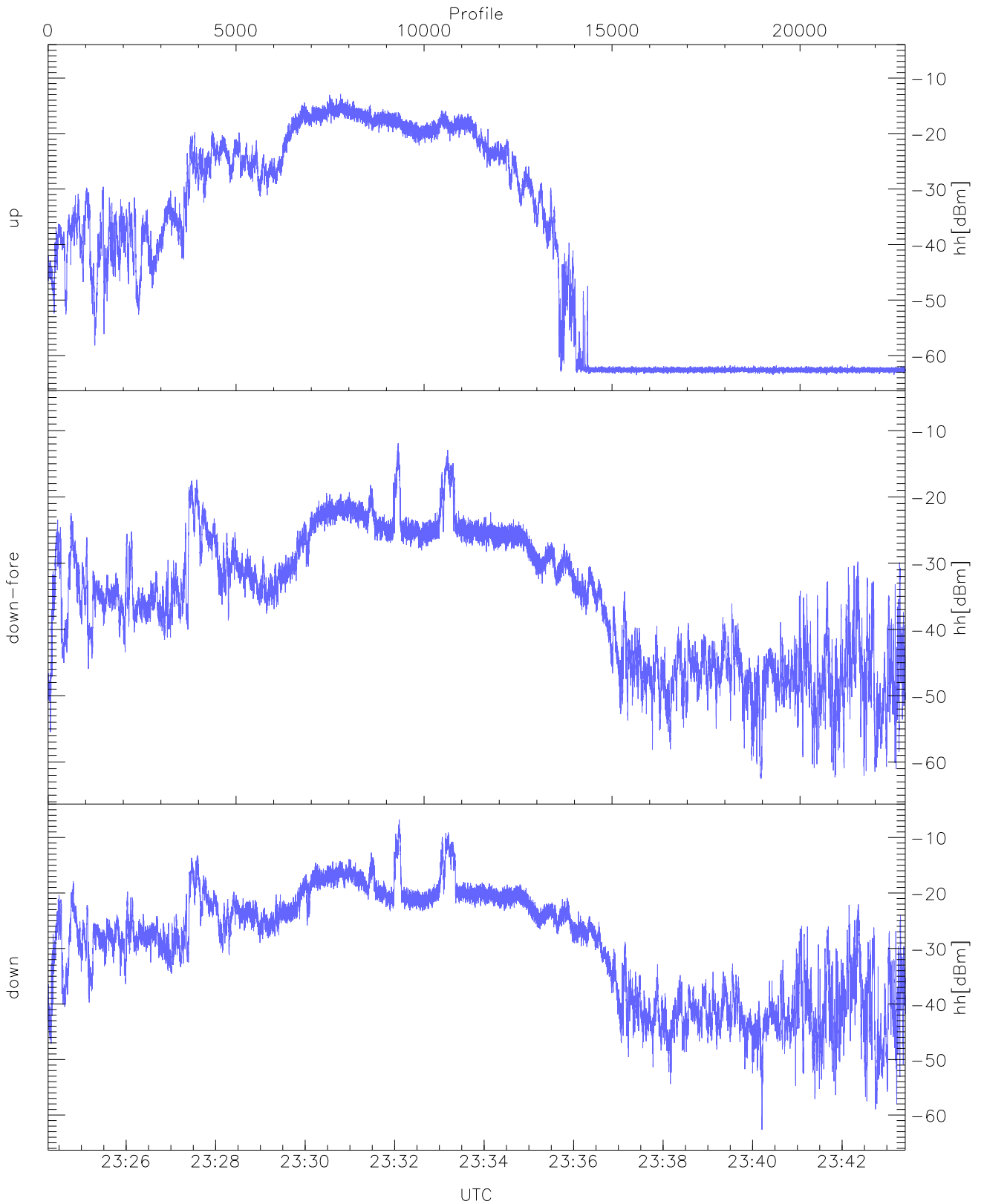
WCR2 CPP Averaged Received power for all recorded gates
blue: 232415-233350, 11401 profiles averaged
red: 233350-234325, 11400 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 232415-233350, 11401 profiles averaged
red: 233350-234325, 11400 profiles averaged

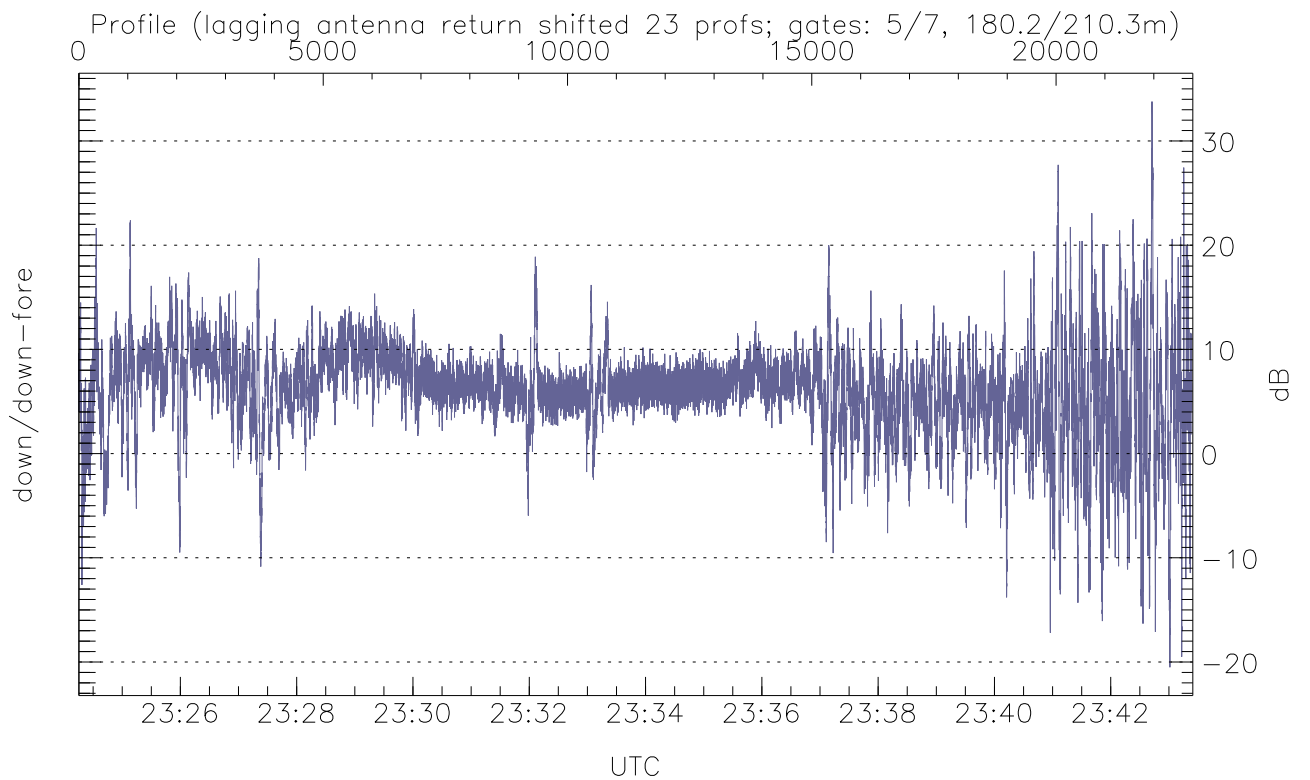
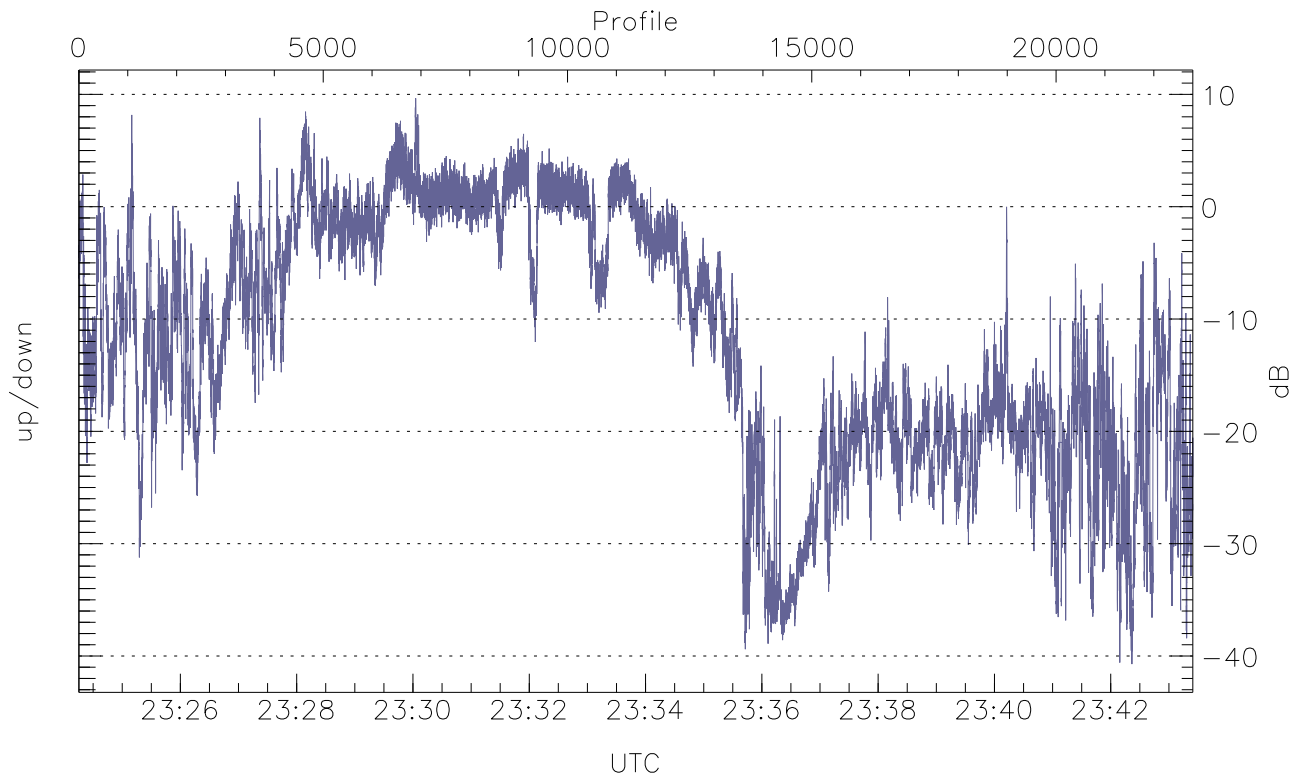


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



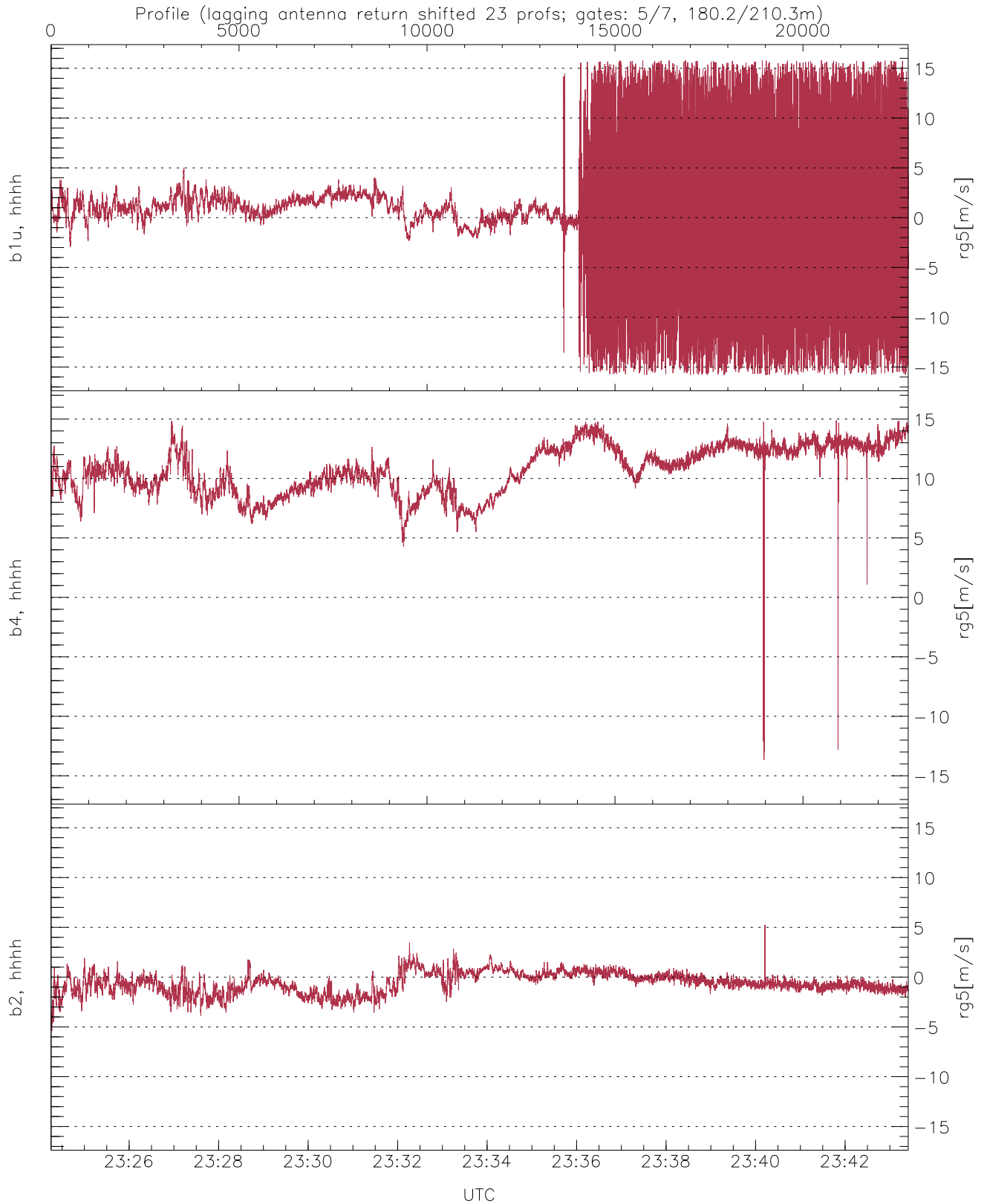
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -63.50 | -12.90 | -23.33 |
| down-fore(hh[dBm]) | -62.53 | -11.91 | -27.28 |
| down(hh[dBm]) | -62.64 | -6.81 | -22.17 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|--------|
| up/down (dB) | -40.72 | 9.65 | -11.67 |
| down/down-fore (dB) | -20.51 | 33.79 | 6.14 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | 0.51 | 5.59 |
| b4, hhhh(rg5[m/s]) | -13.67 | 14.88 | 10.71 | 2.07 |
| b2, hhhh(rg5[m/s]) | -5.40 | 5.25 | -0.58 | 1.02 |