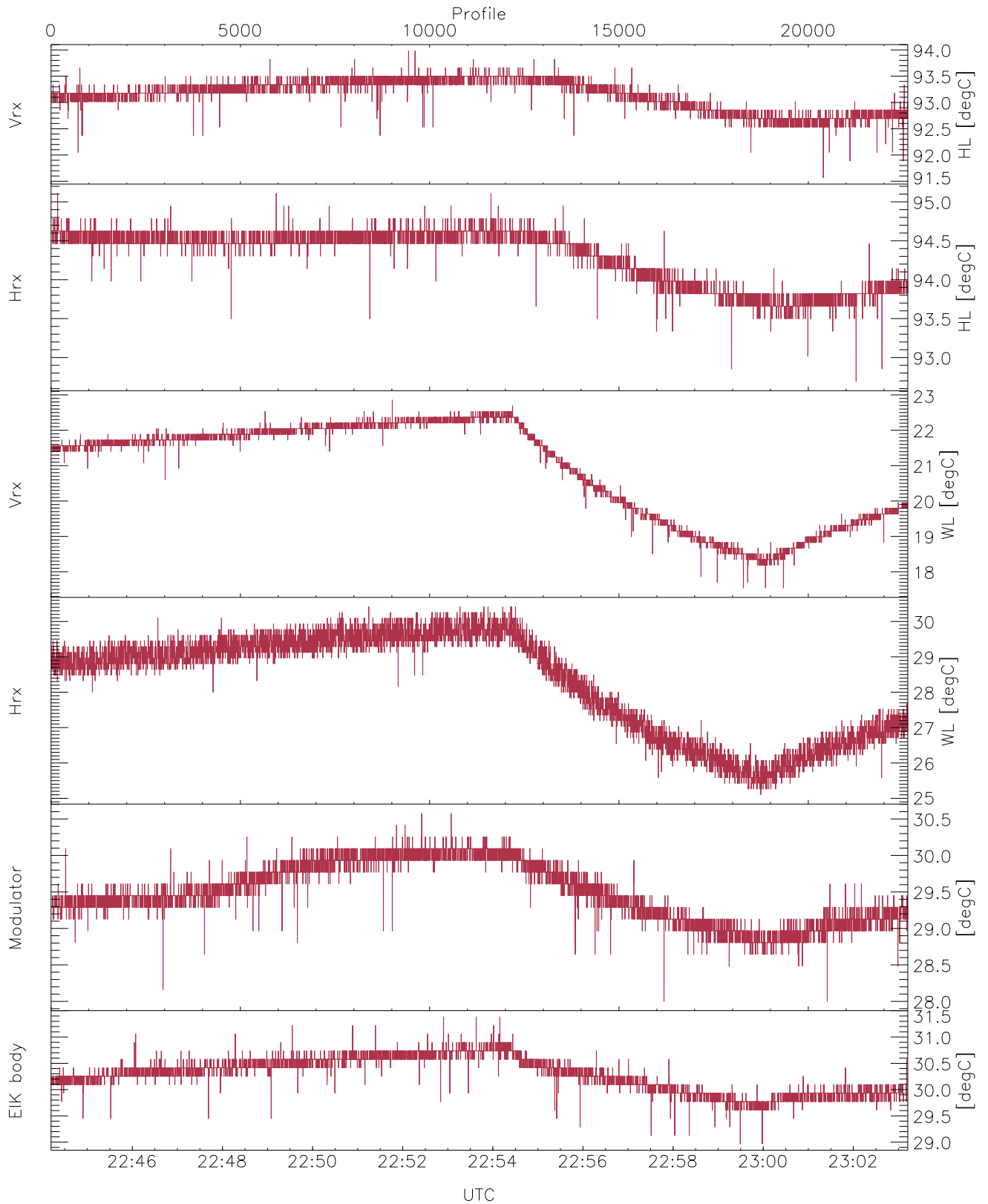


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:44:12-23:03:12, Dur: 1140.74s
 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): 22629/22629, 0-22628/22:44:12-23:03:12
 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

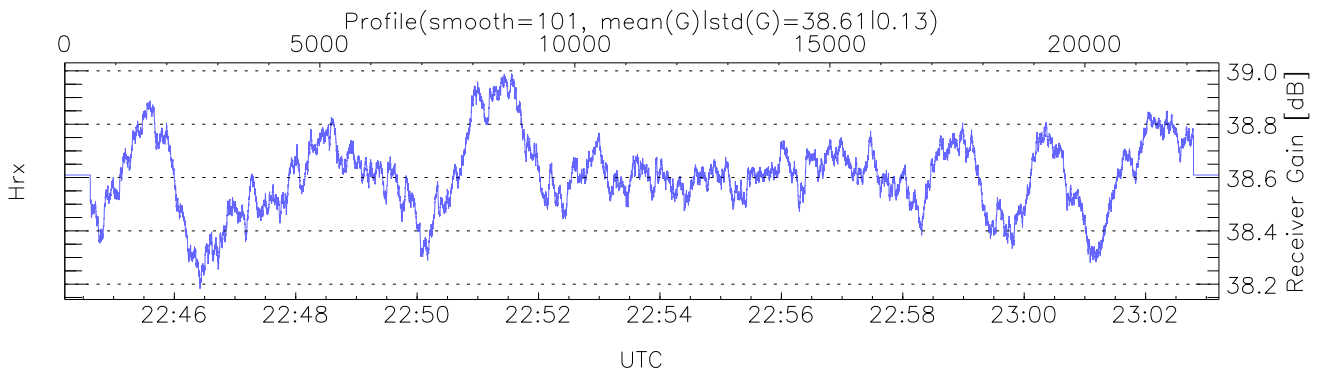
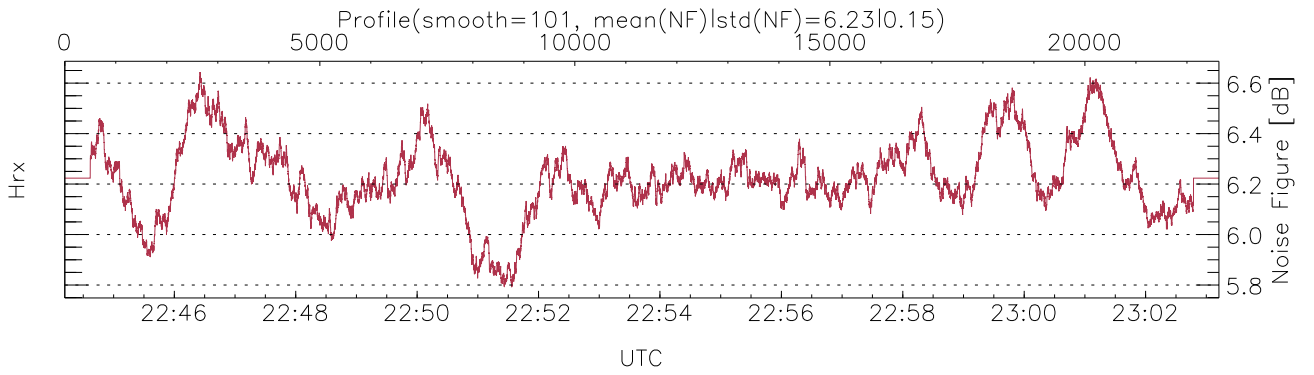
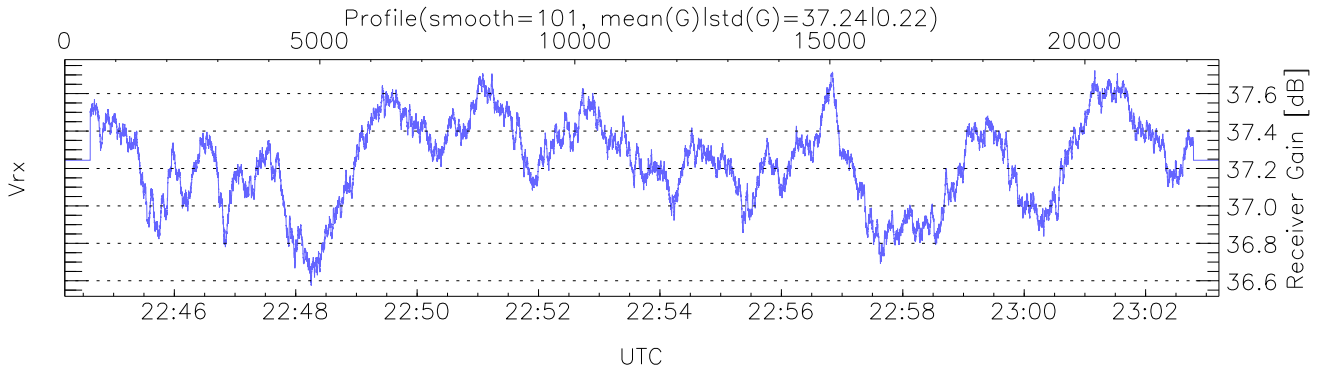
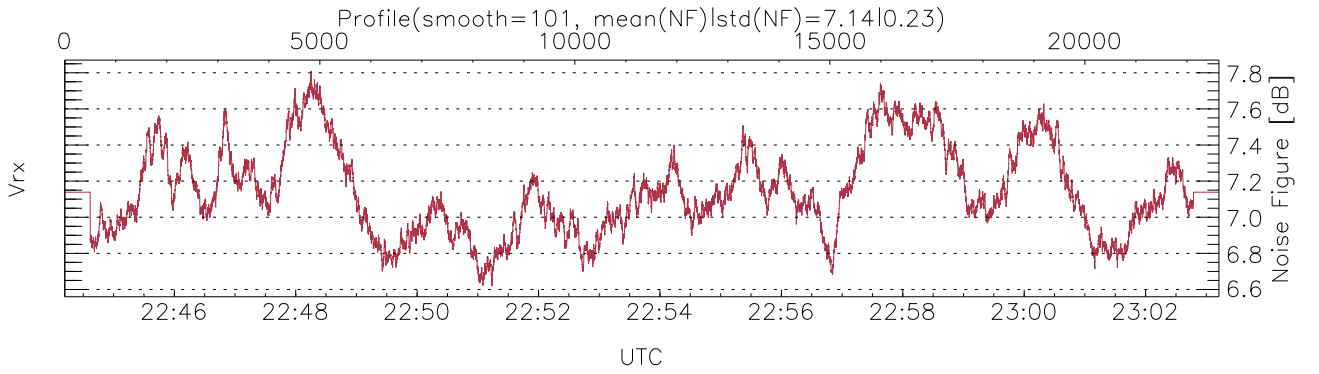
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,17,25,28,28

maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,22,30,30,31

LOalarm(20,80,240,2.8,14.8 MHz): None

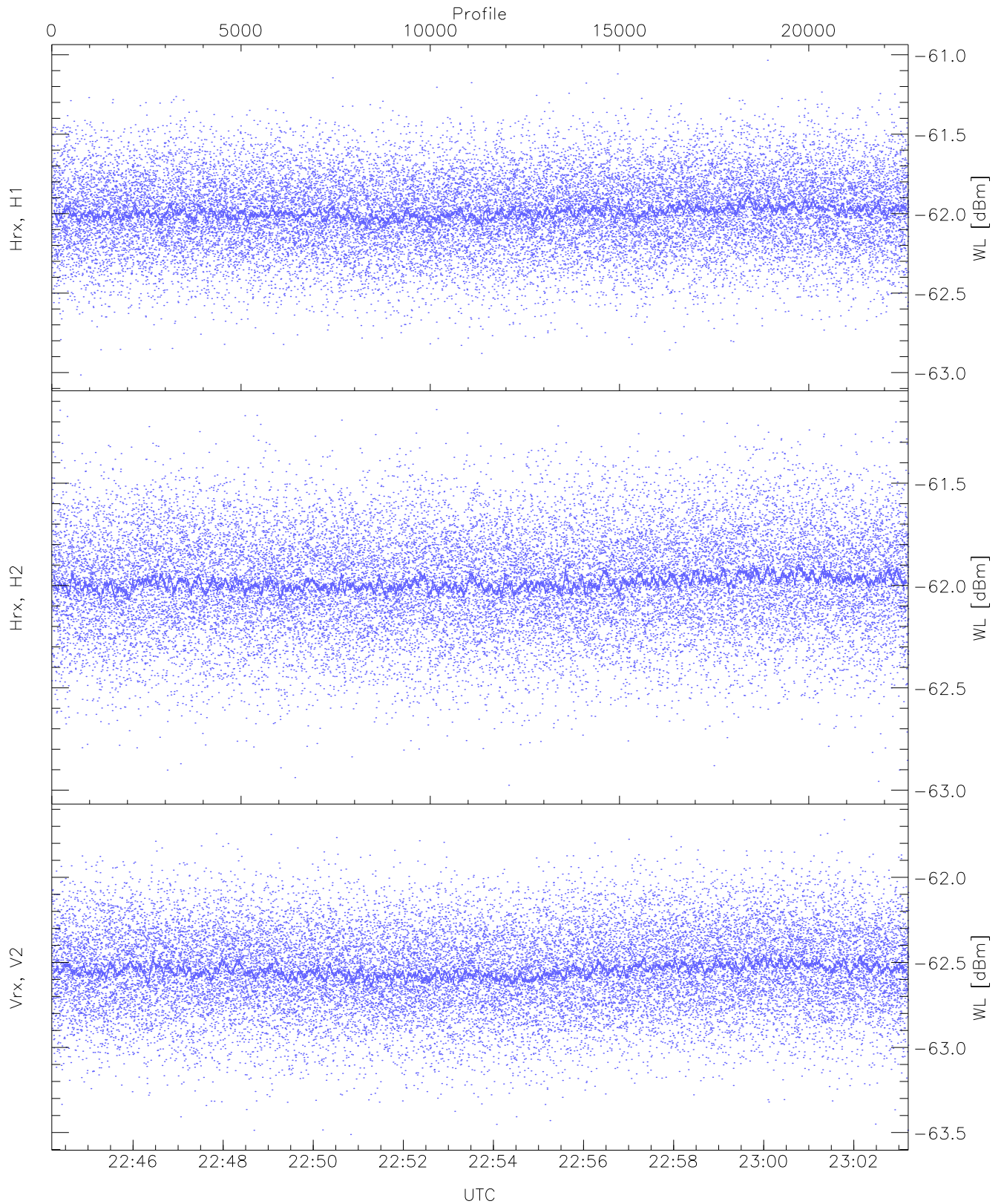
EIK Faults(# prof affected):

DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (21,21,26,26,26,10)



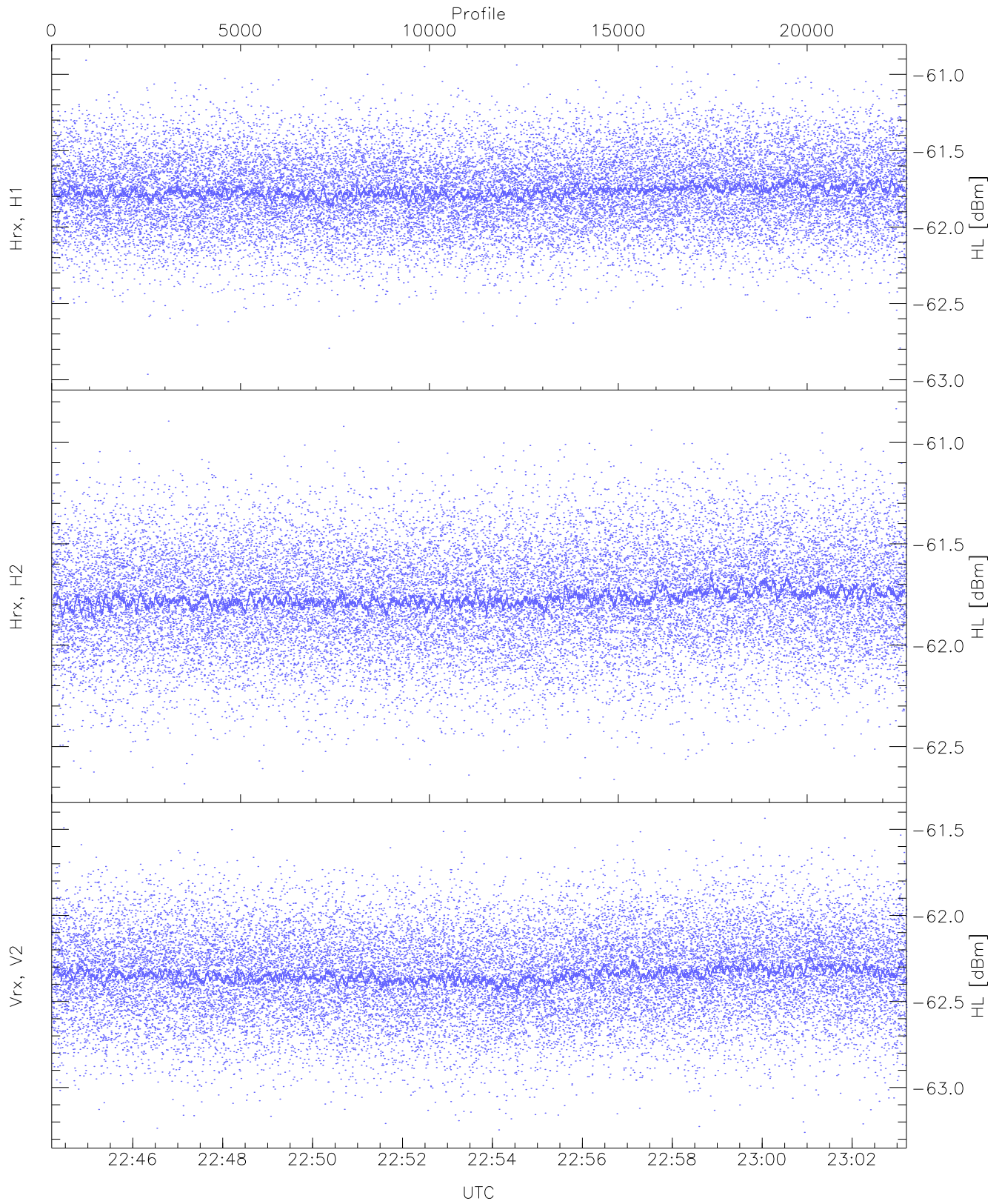
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 14358 pixs, 49 gates, 12460 profs, 2 prods



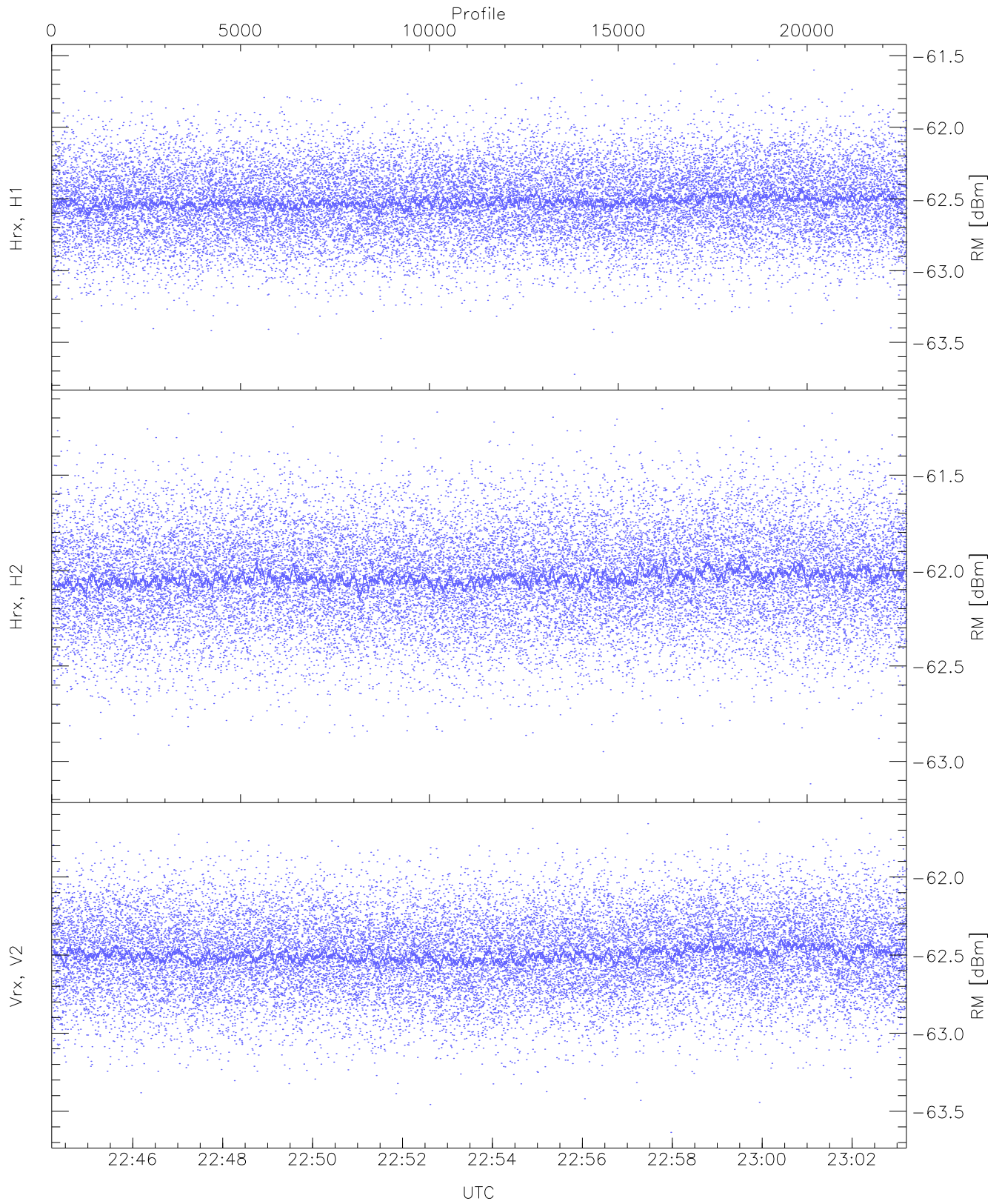
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -63.02 | -61.04 | -61.99 | -61.99 | -74.57 |
| Hrx, H2(WL [dBm]) | -62.98 | -61.14 | -61.98 | -61.99 | -74.53 |
| Vrx, V2(WL [dBm]) | -63.51 | -61.66 | -62.54 | -62.55 | -75.09 |



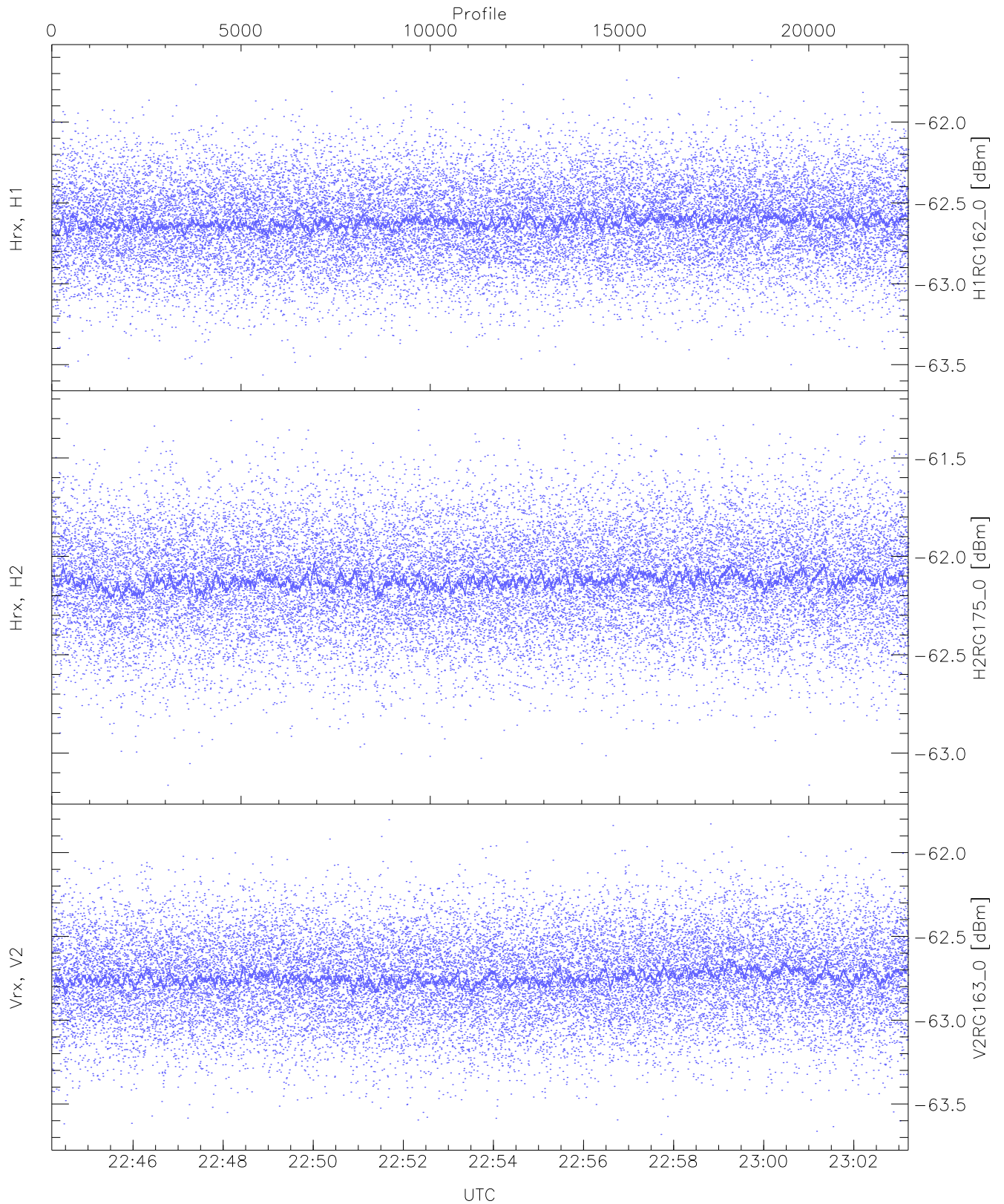
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.96 | -60.91 | -61.76 | -61.77 | -74.34 |
| Hrx, H2 (HL [dBm]) | -62.68 | -60.83 | -61.76 | -61.77 | -74.29 |
| Vrx, V2 (HL [dBm]) | -63.26 | -61.44 | -62.34 | -62.35 | -74.85 |



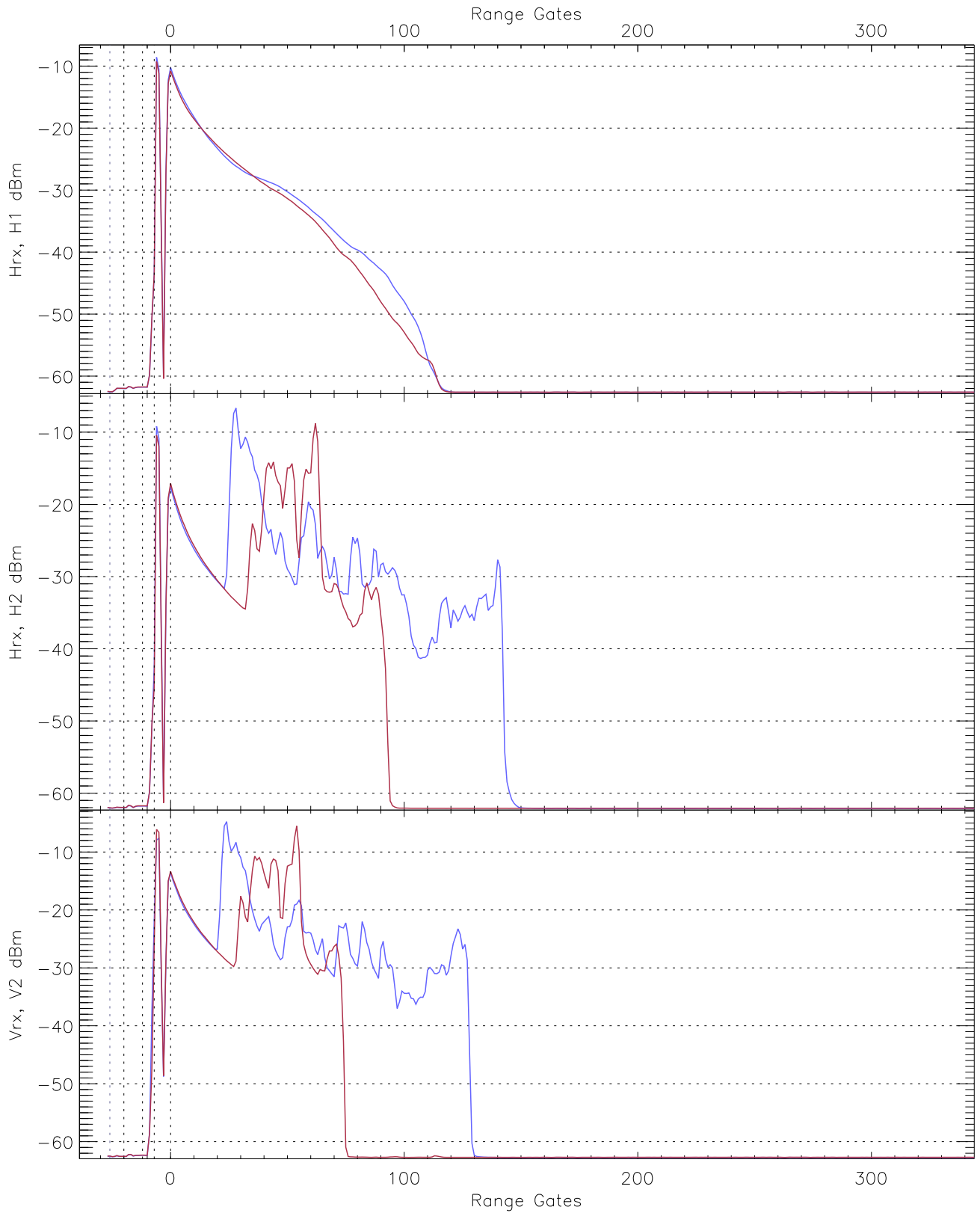
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.72 | -61.53 | -62.52 | -62.52 | -75.08 |
| Hrx, H2 (RM [dBm]) | -63.12 | -61.15 | -62.03 | -62.04 | -74.60 |
| Vrx, V2 (RM [dBm]) | -63.64 | -61.62 | -62.49 | -62.50 | -75.00 |

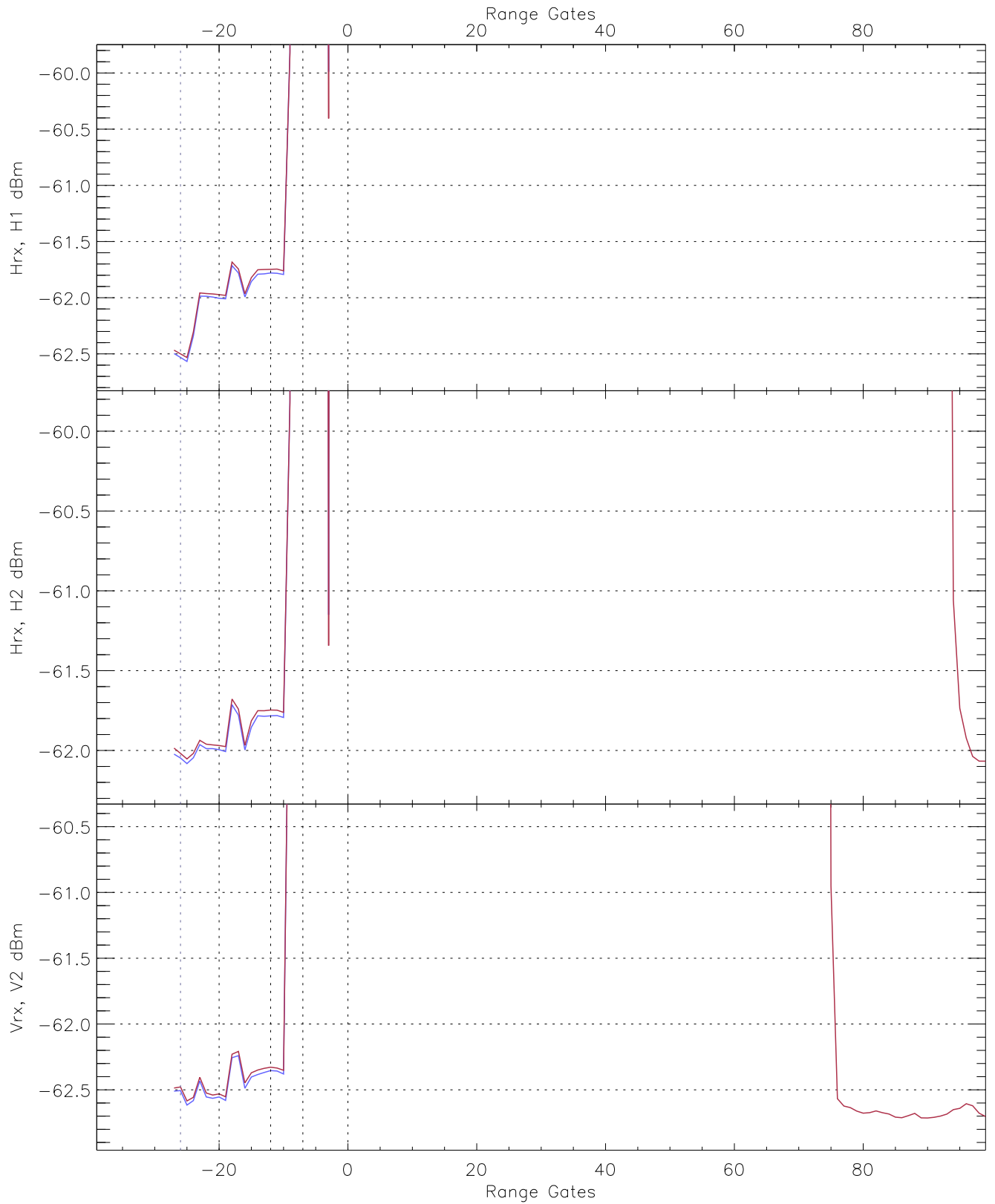


WCR2 CPP "Best" estimate Receivers Noise Power

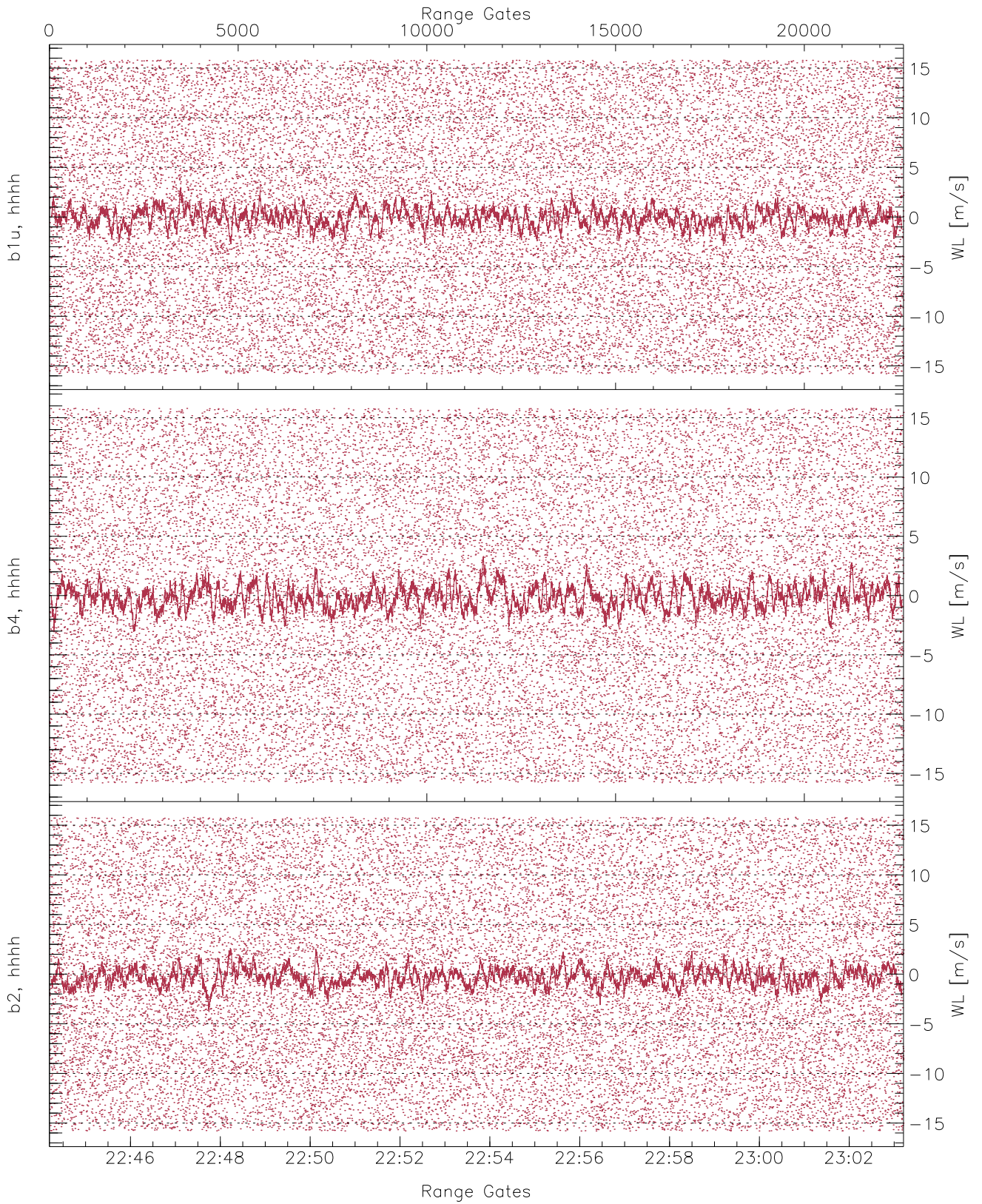
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG162_0 [dBm] | -63.56 | -61.62 | -62.61 | -62.62 | -75.16 |
| H2RG175_0 [dBm] | -63.16 | -61.25 | -62.12 | -62.12 | -74.67 |
| V2RG163_0 [dBm] | -63.68 | -61.80 | -62.74 | -62.75 | -75.27 |



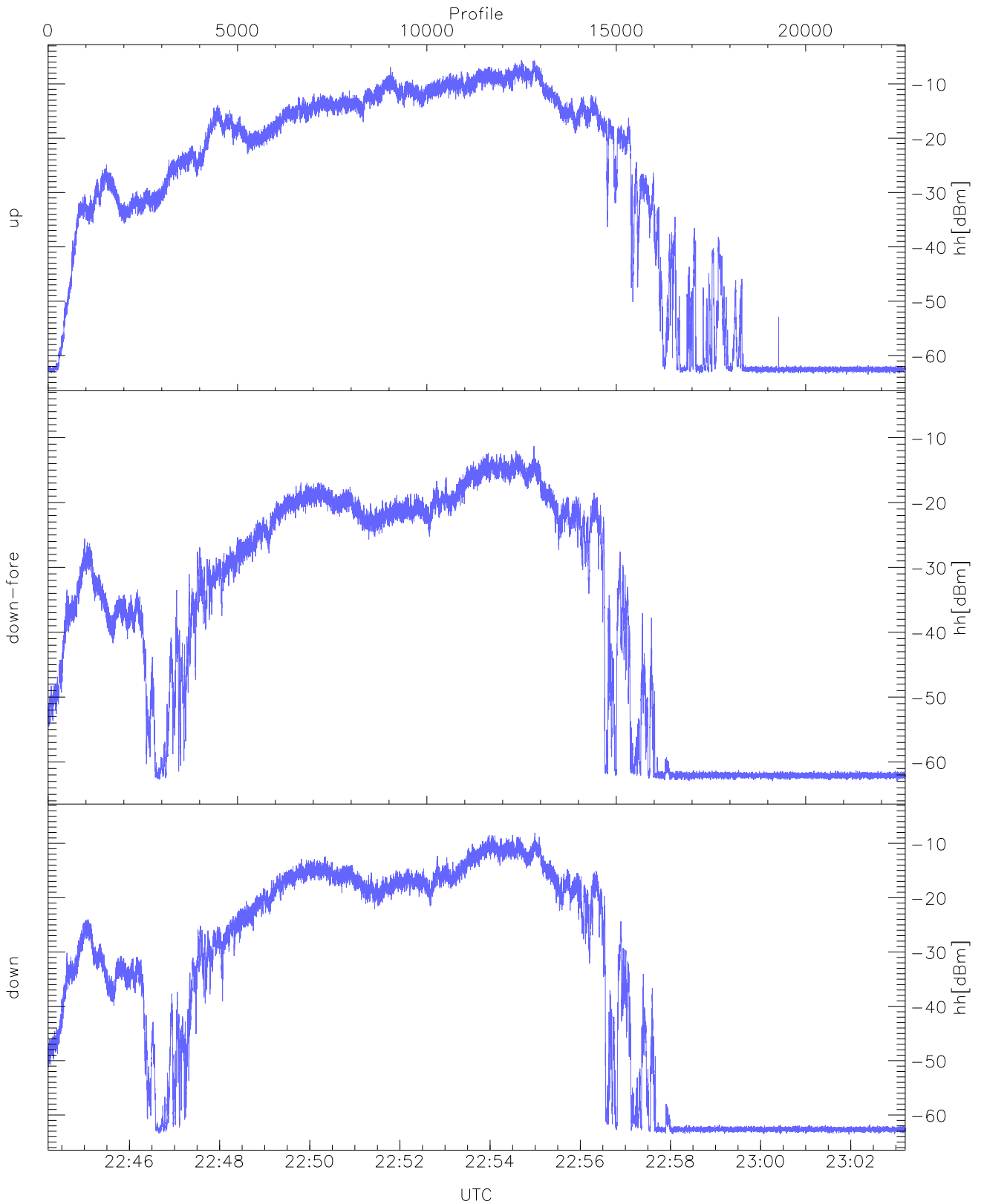
WCR2 CPP Averaged Received power for all recorded gates
blue: 224412-225342, 11315 profiles averaged
red: 225342-230312, 11315 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 224412-225342, 11315 profiles averaged
red: 225342-230312, 11315 profiles averaged

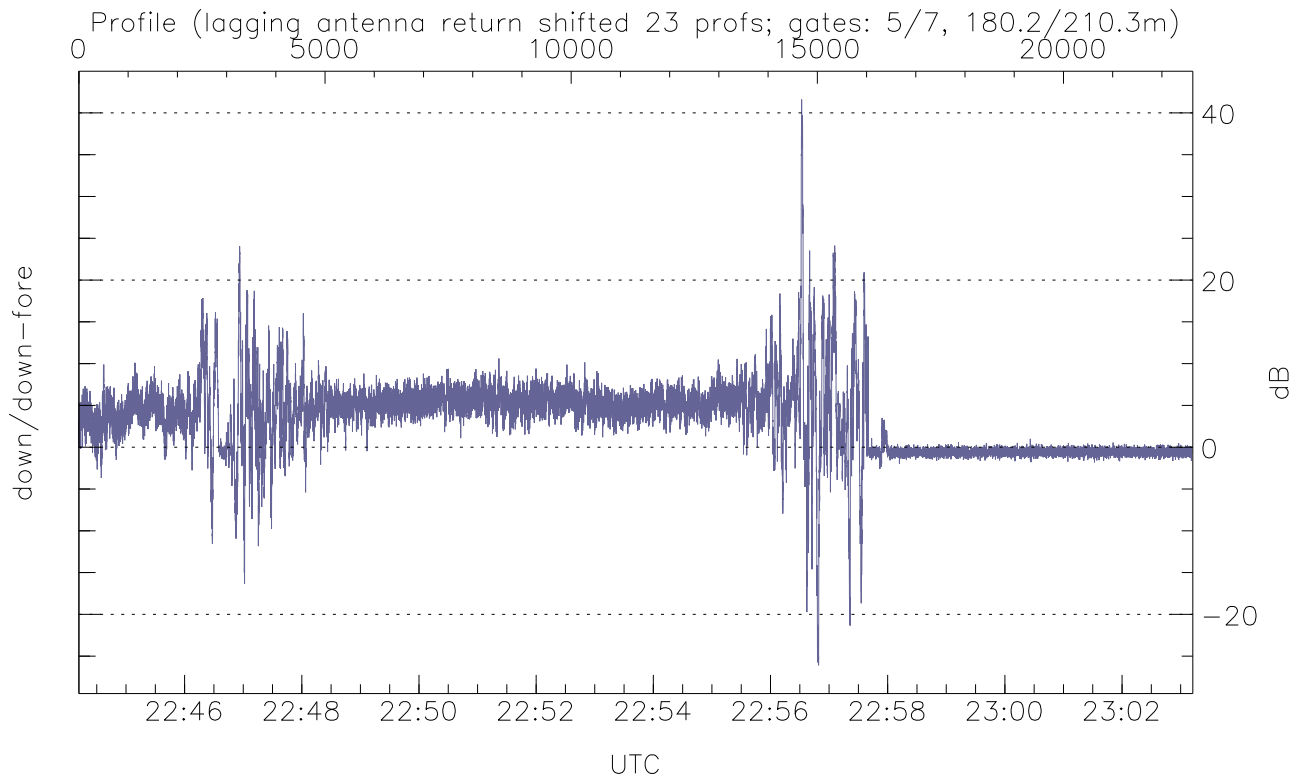
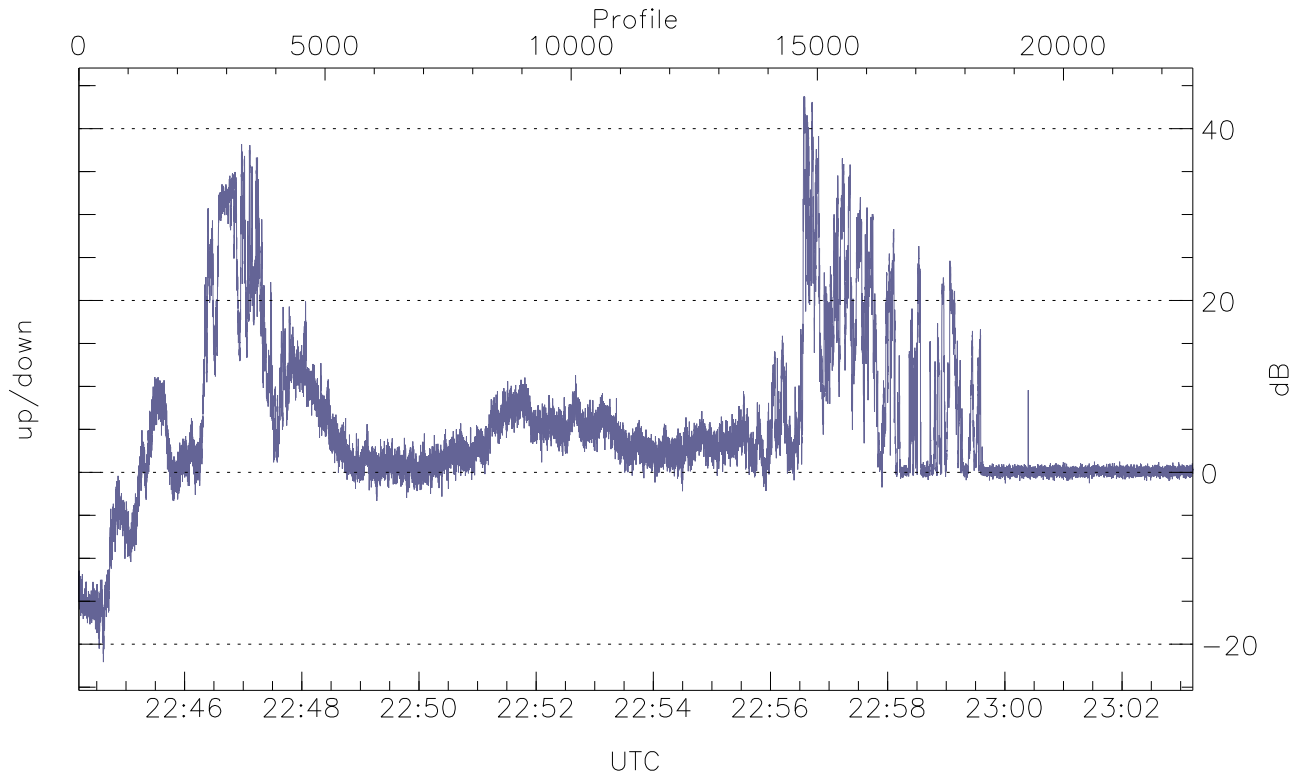


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



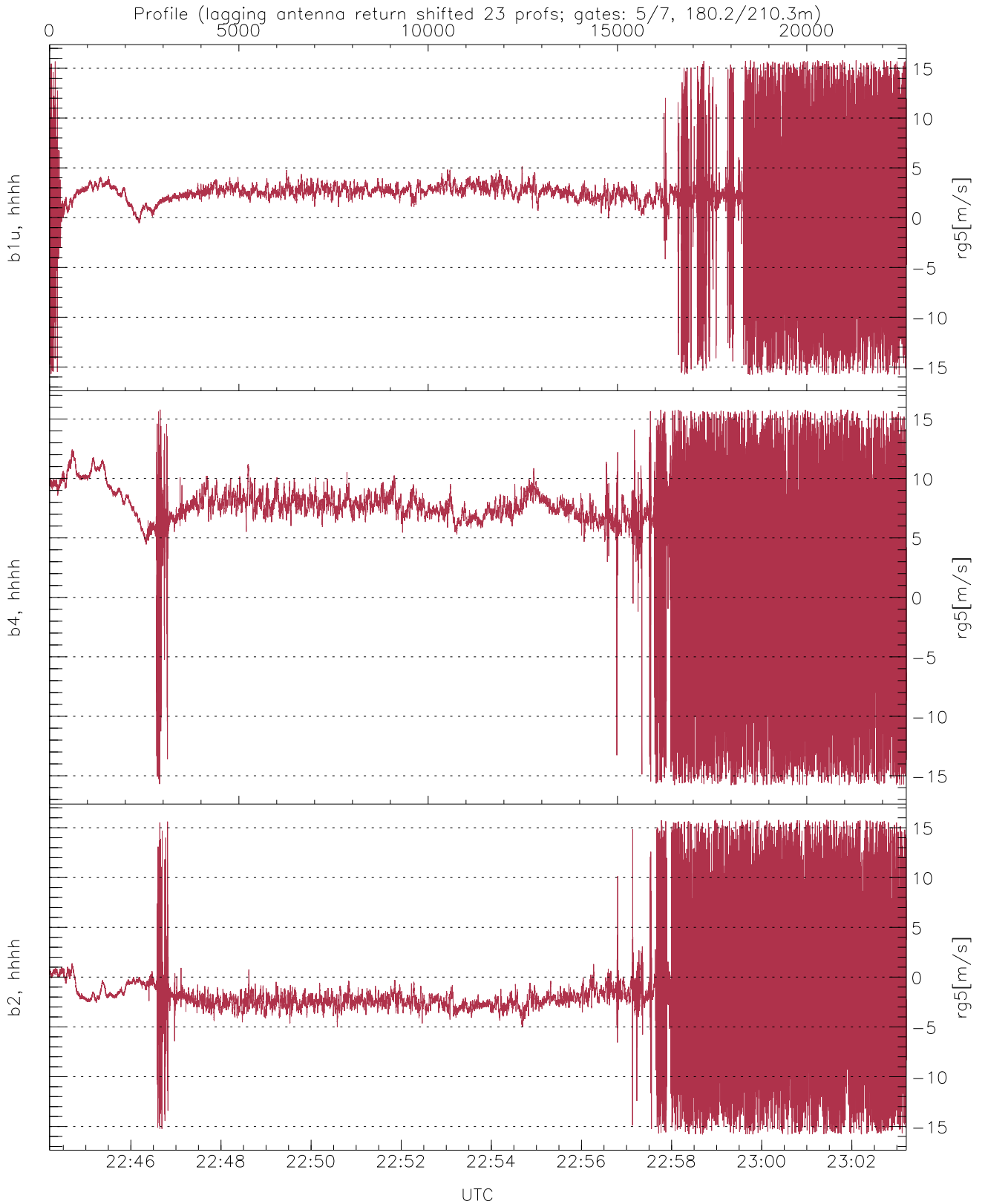
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

| | Min | Max | Mean |
|---------------------|--------|--------|--------|
| up(hh [dBm]) | -63.52 | -5.66 | -15.22 |
| down-fore(hh [dBm]) | -62.94 | -11.32 | -22.49 |
| down(hh [dBm]) | -63.59 | -8.06 | -18.74 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -22.08 | 43.76 | 5.22 |
| down/down-fore (dB) | -26.09 | 41.60 | 3.30 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | 1.96 | 4.29 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | 5.49 | 6.20 |
| b2, hhhh(rg5[m/s]) | -15.80 | 15.80 | -1.55 | 4.98 |