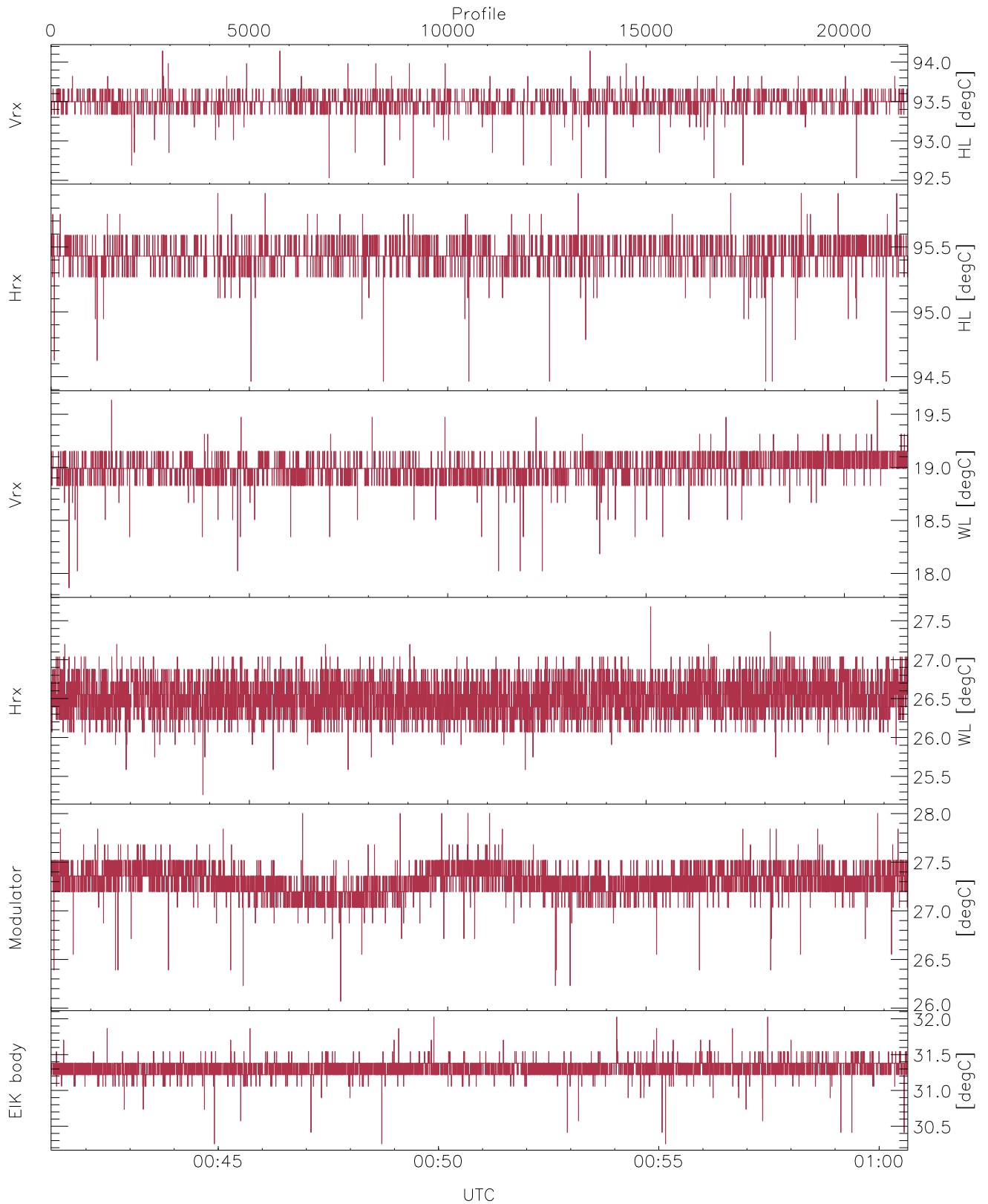


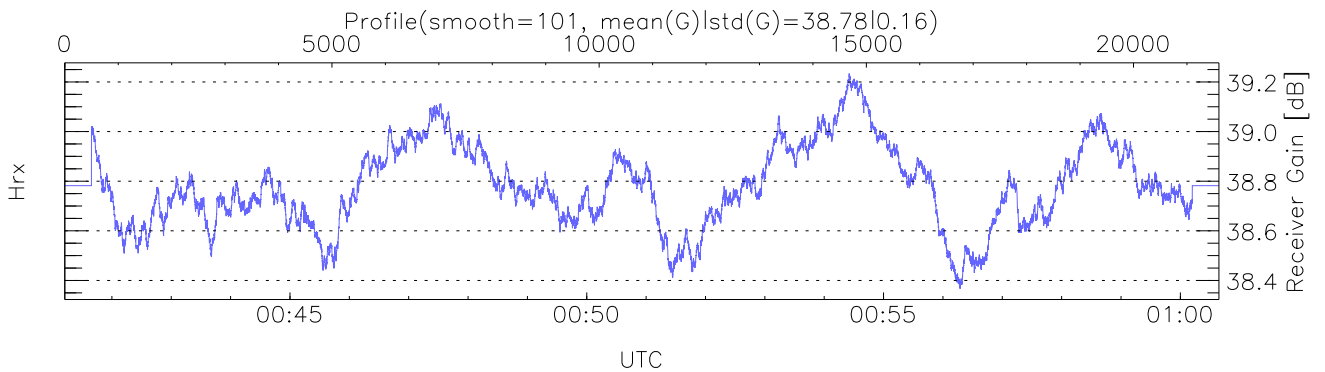
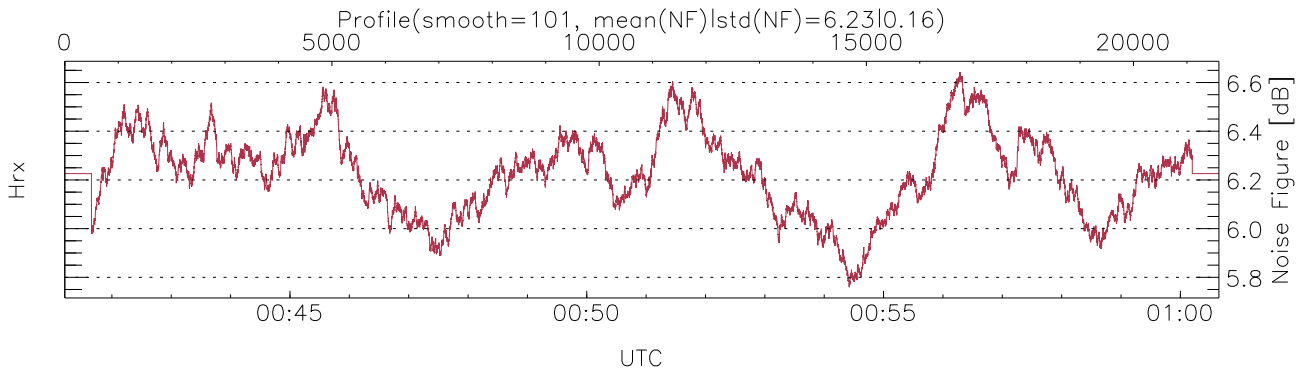
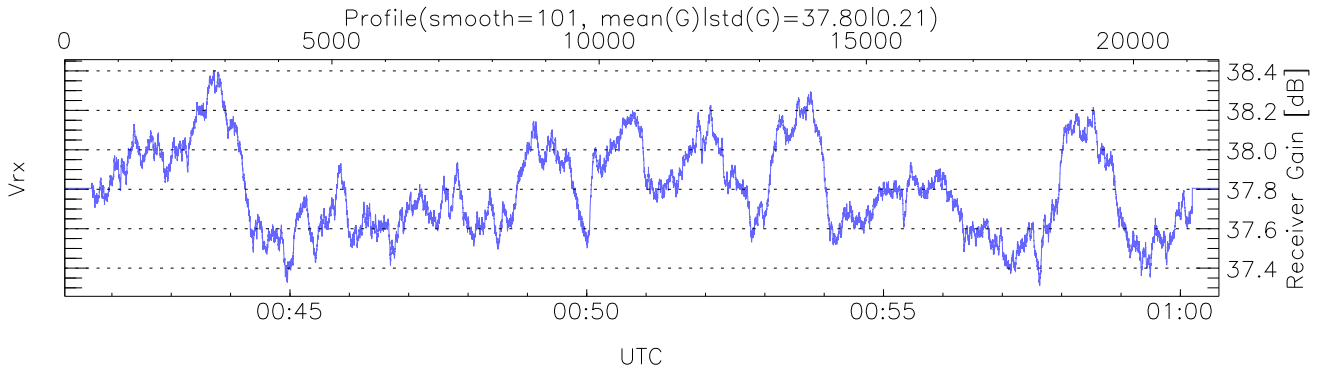
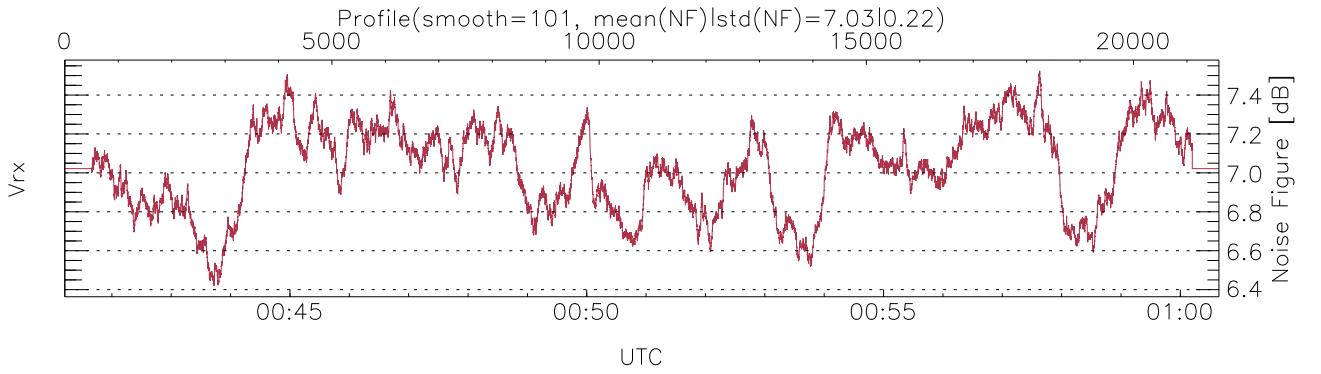
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 00:41:12-01:24:49, Dur: 2616.85s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 54.0,54.0,54.0,0.0 ms / 19,19,19
 NumRec(r/t): 21600/48449, 0-21599/00:41:12-01:00:39
 AcqTime: 54.0ms, Rate: 287KB/s, Averages: 180
 Pulse: 250ns, IFF: 4.0MHz, 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): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



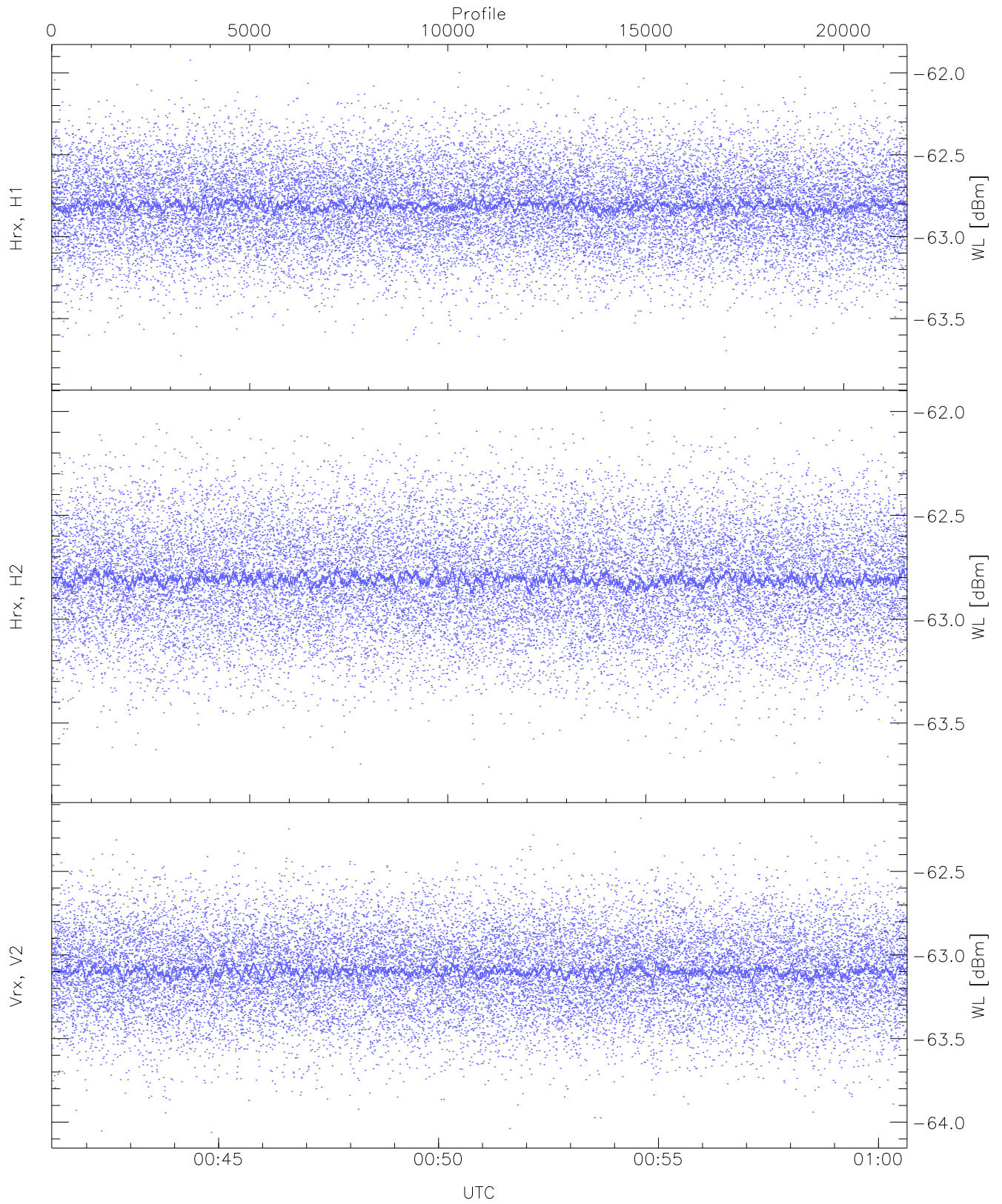
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,17,25,26,30
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,95,19,27,28,32
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (15,15,15,15,15,14)



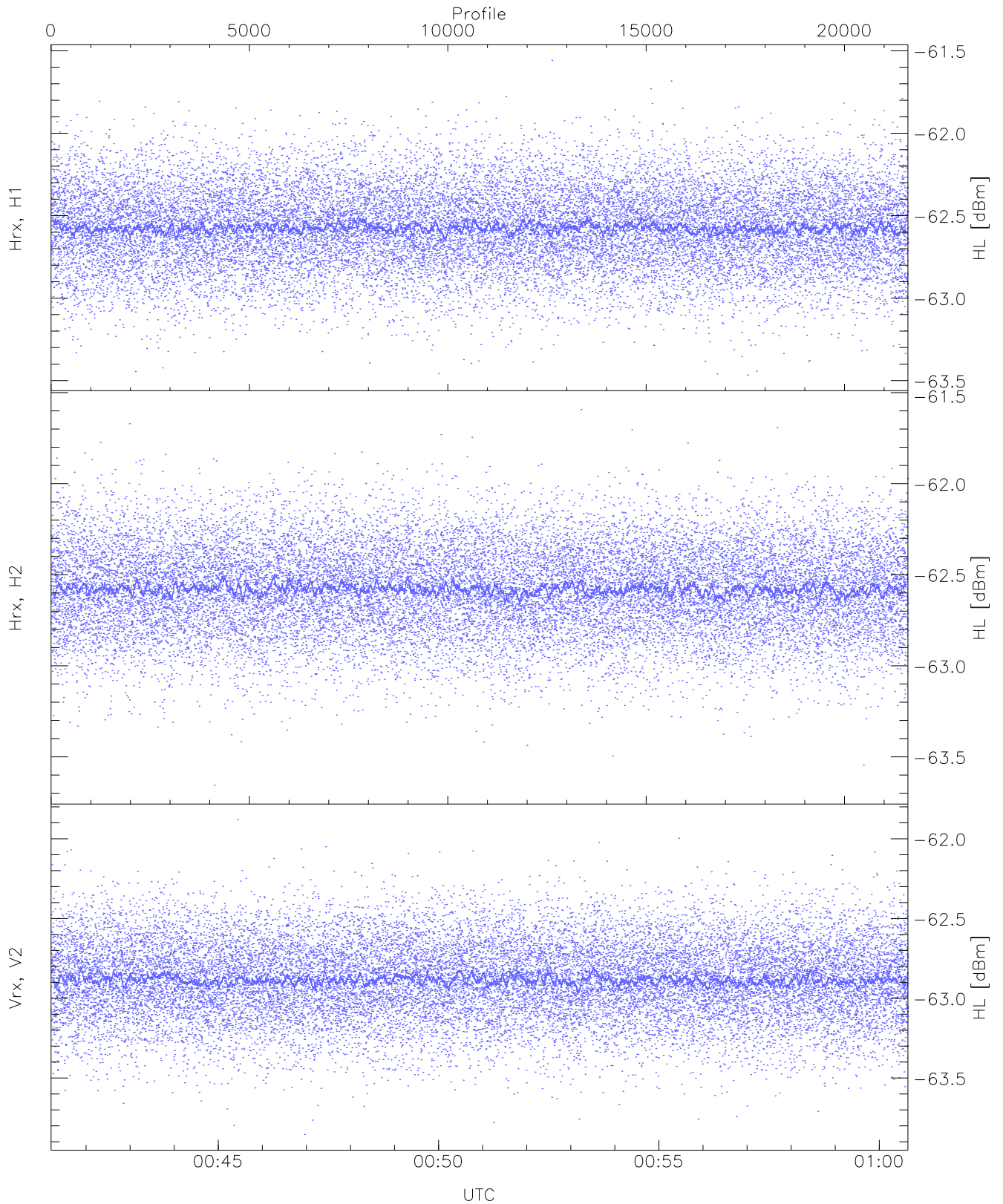
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 333 pixs, 44 gates, 332 profs, 1 prods



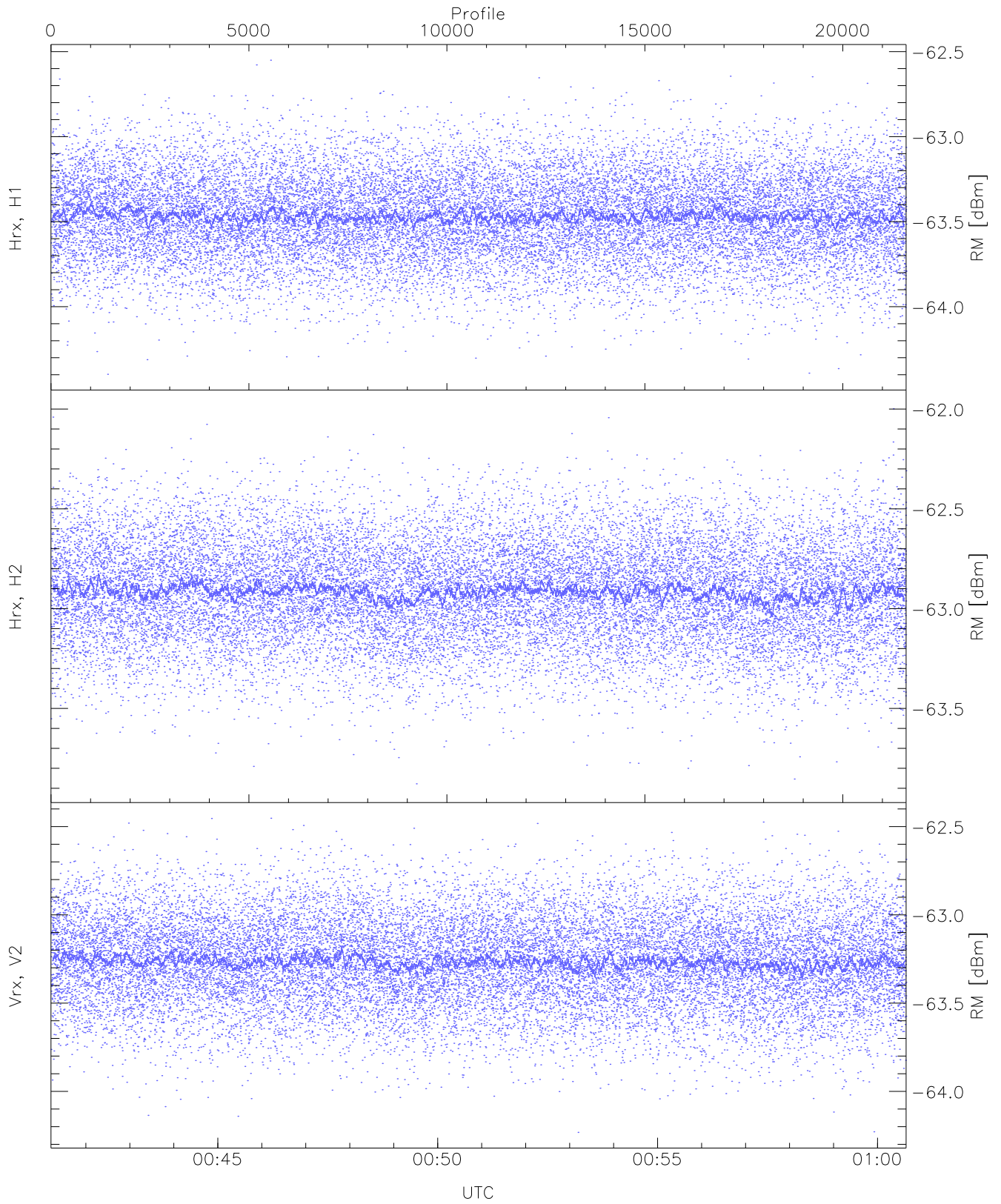
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -63.84 | -61.92 | -62.81 | -62.81 | -75.54 |
| Hrx, H2(WL [dBm]) | -63.79 | -61.99 | -62.80 | -62.81 | -75.48 |
| Vrx, V2(WL [dBm]) | -64.06 | -62.18 | -63.10 | -63.10 | -75.82 |



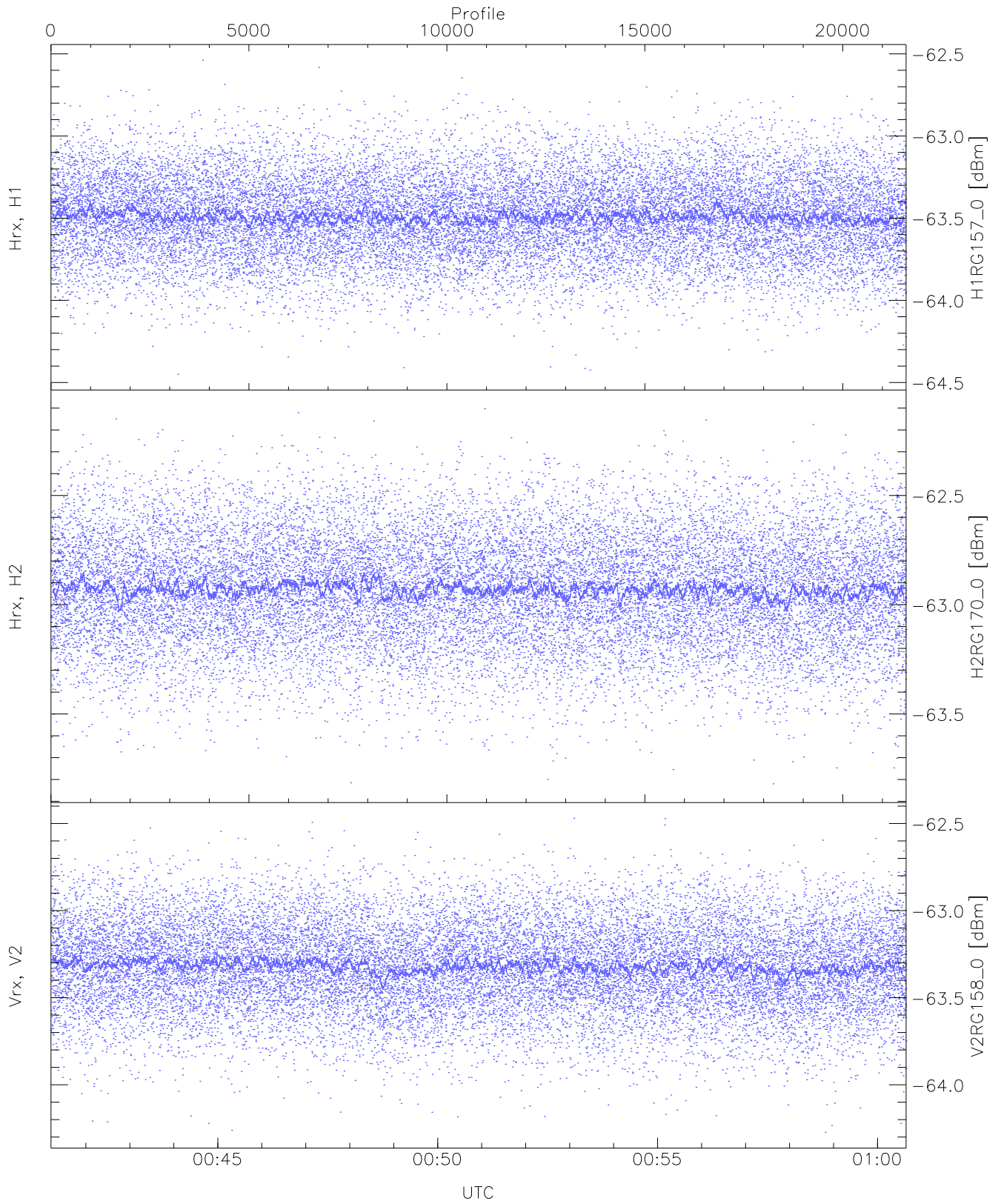
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.47 | -61.56 | -62.57 | -62.58 | -75.26 |
| Hrx, H2 (HL [dBm]) | -63.66 | -61.59 | -62.58 | -62.58 | -75.33 |
| Vrx, V2 (HL [dBm]) | -63.85 | -61.88 | -62.88 | -62.89 | -75.59 |



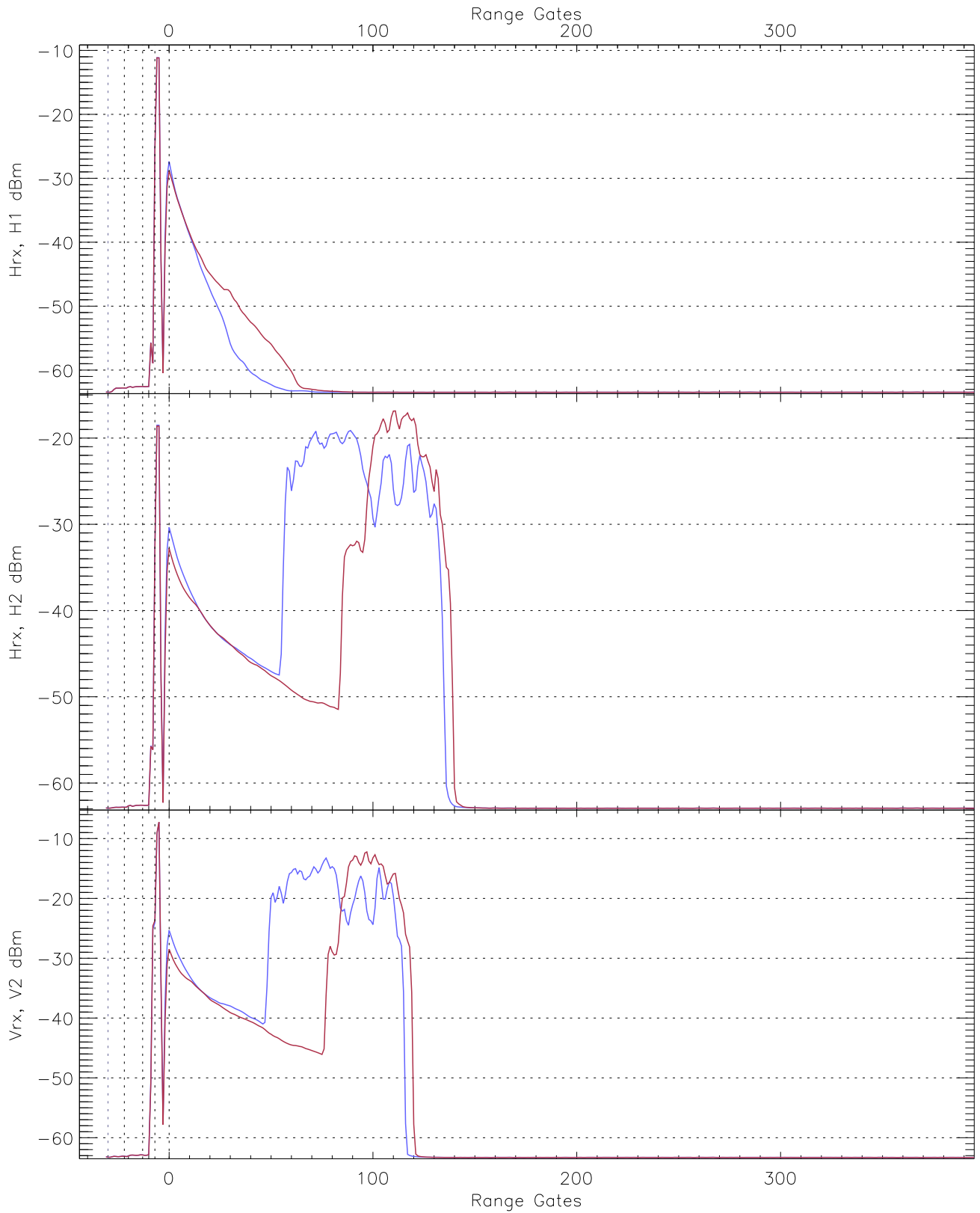
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.40 | -62.55 | -63.46 | -63.47 | -76.16 |
| Hrx, H2 (RM [dBm]) | -63.88 | -62.00 | -62.91 | -62.91 | -75.62 |
| Vrx, V2 (RM [dBm]) | -64.23 | -62.45 | -63.26 | -63.27 | -75.96 |

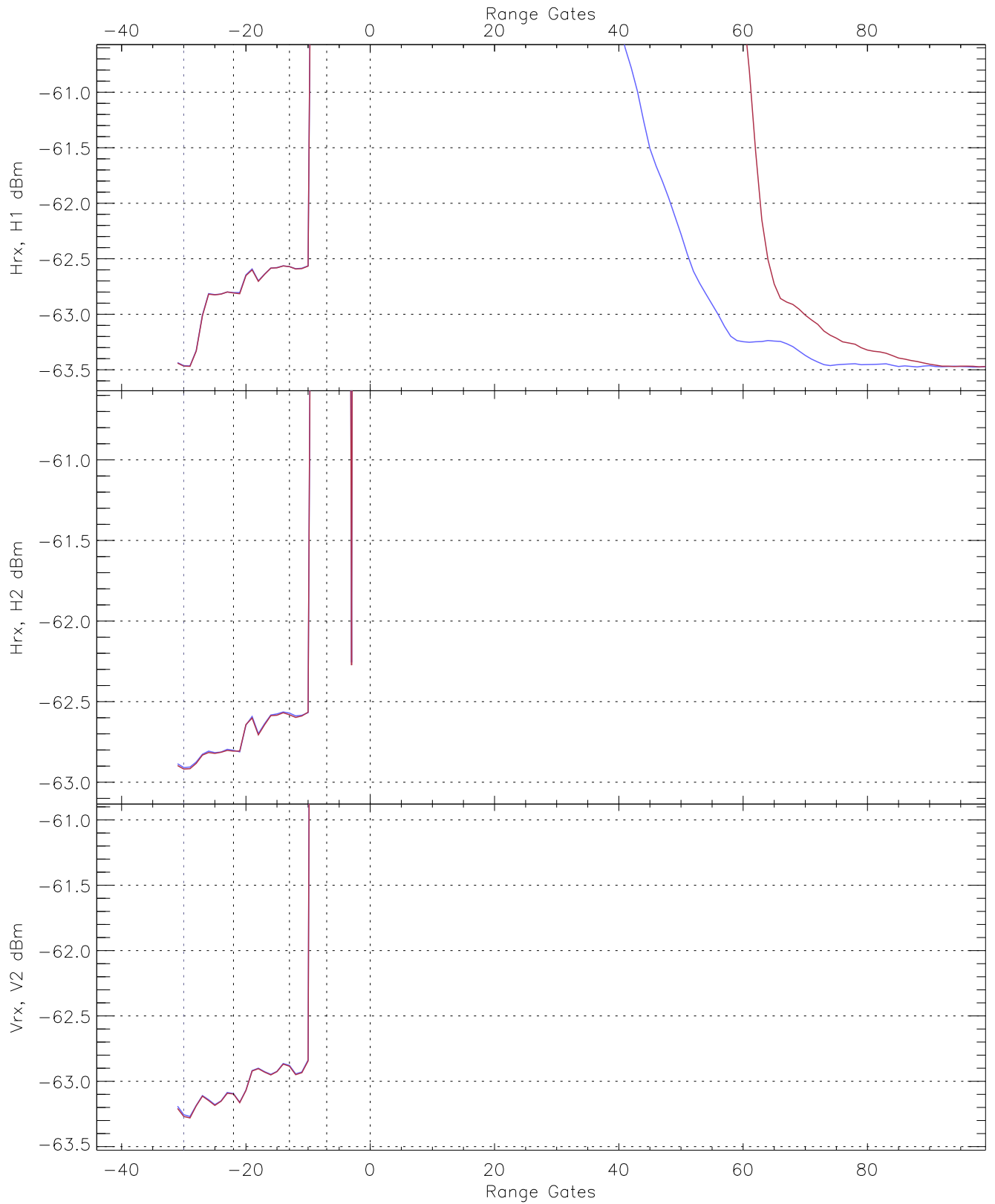


WCR2 CPP "Best" estimate Receivers Noise Power

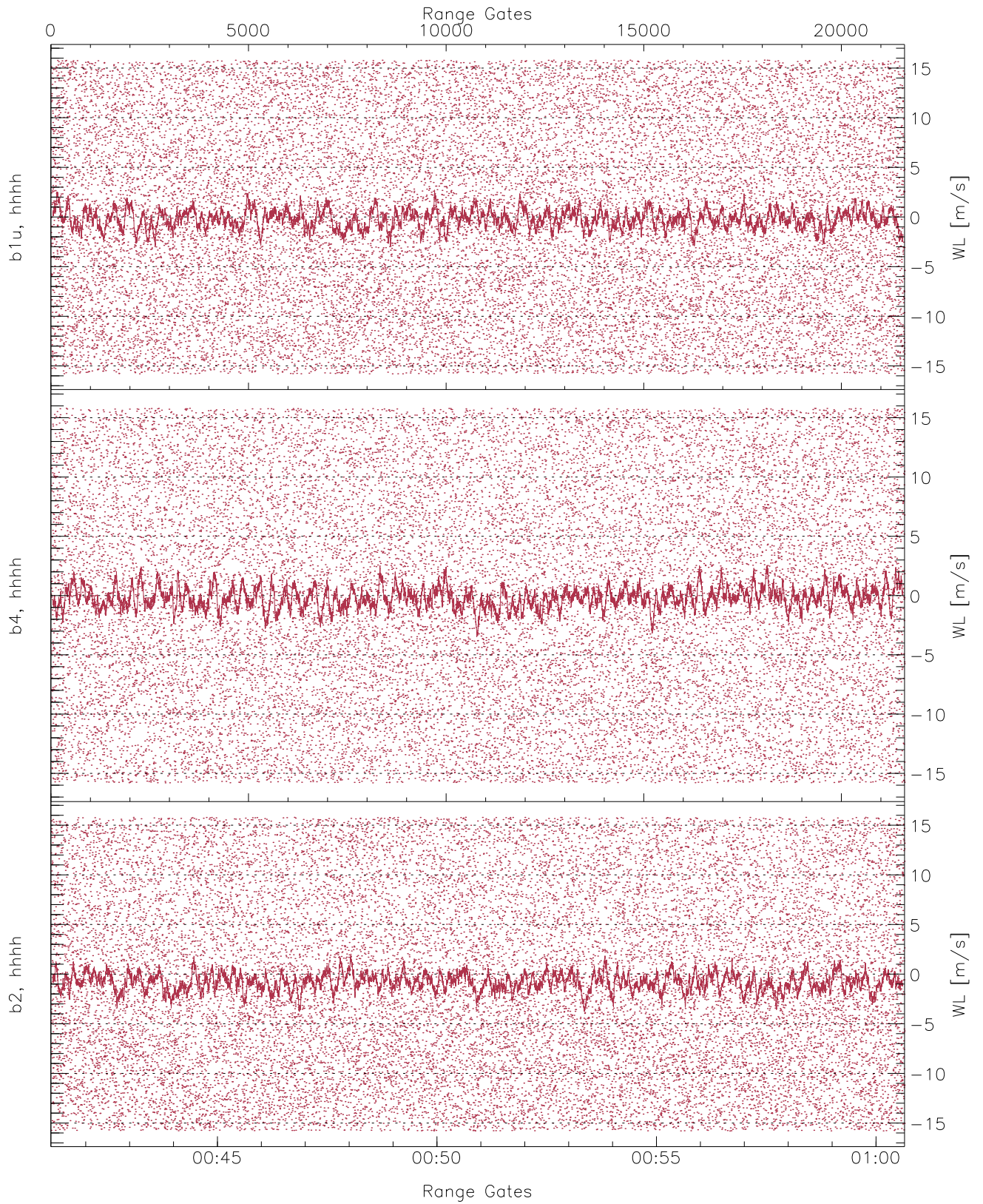
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG157_0 [dBm] | -64.45 | -62.54 | -63.49 | -63.49 | -76.15 |
| H2RG170_0 [dBm] | -63.82 | -62.10 | -62.93 | -62.93 | -75.63 |
| V2RG158_0 [dBm] | -64.27 | -62.47 | -63.32 | -63.32 | -75.98 |



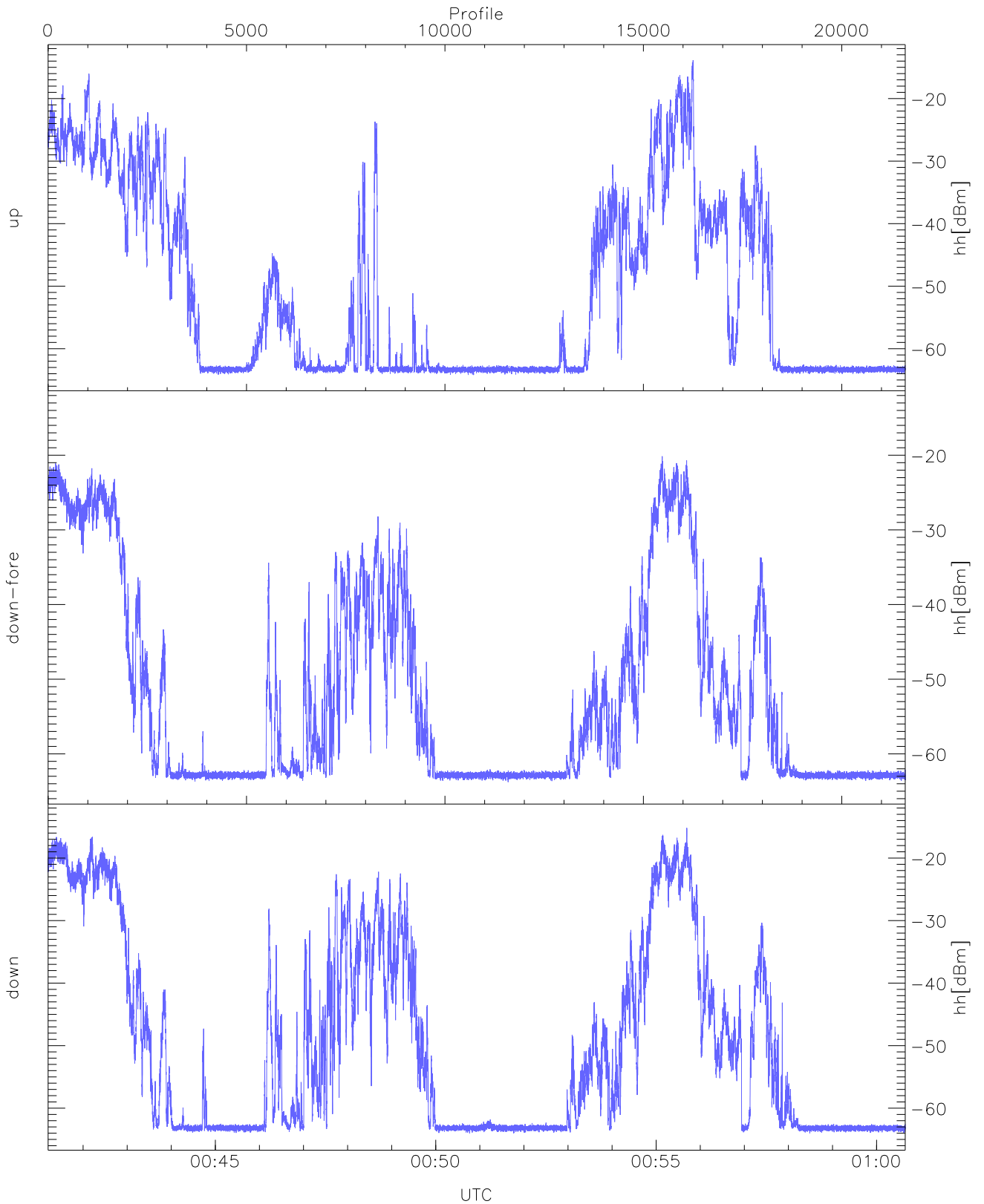
WCR2 CPP Averaged Received power for all recorded gates
blue: 004112-005056, 10801 profiles averaged
red: 005056-010039, 10800 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 004112-005056, 10801 profiles averaged
red: 005056-010039, 10800 profiles averaged

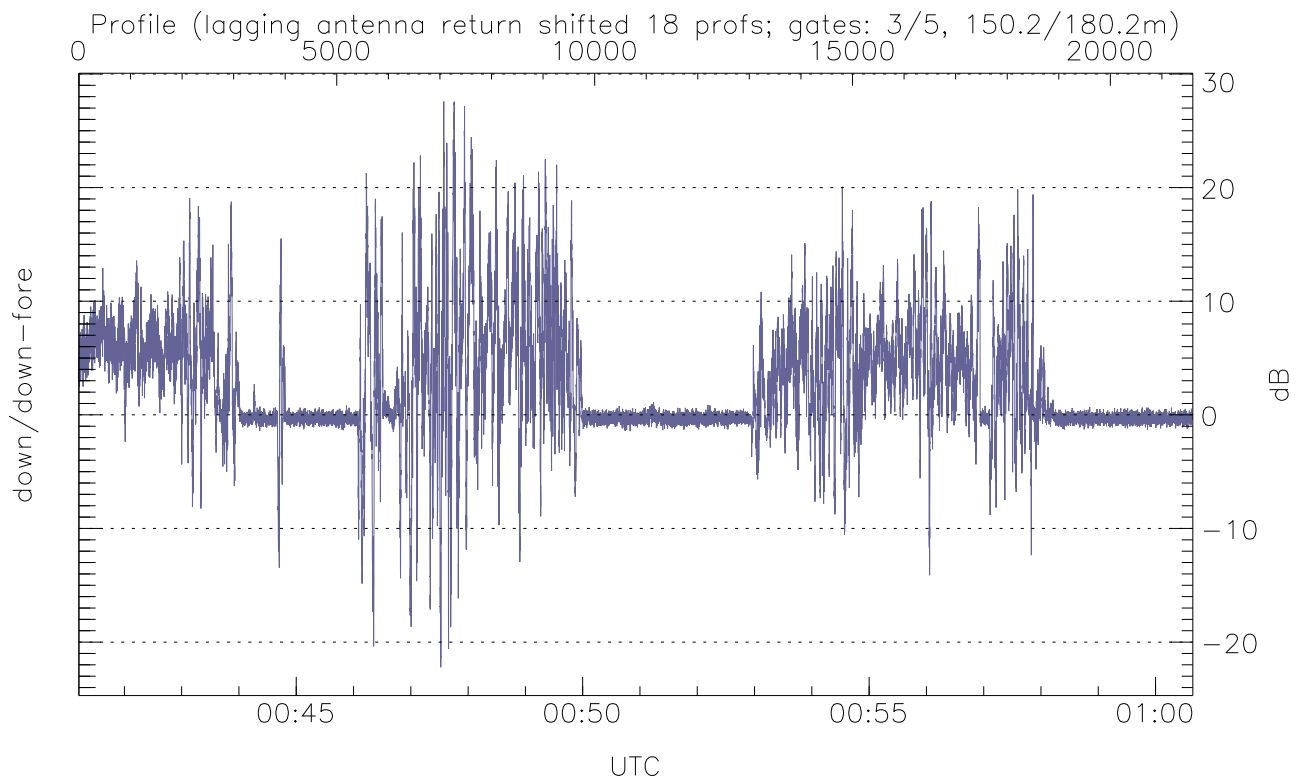
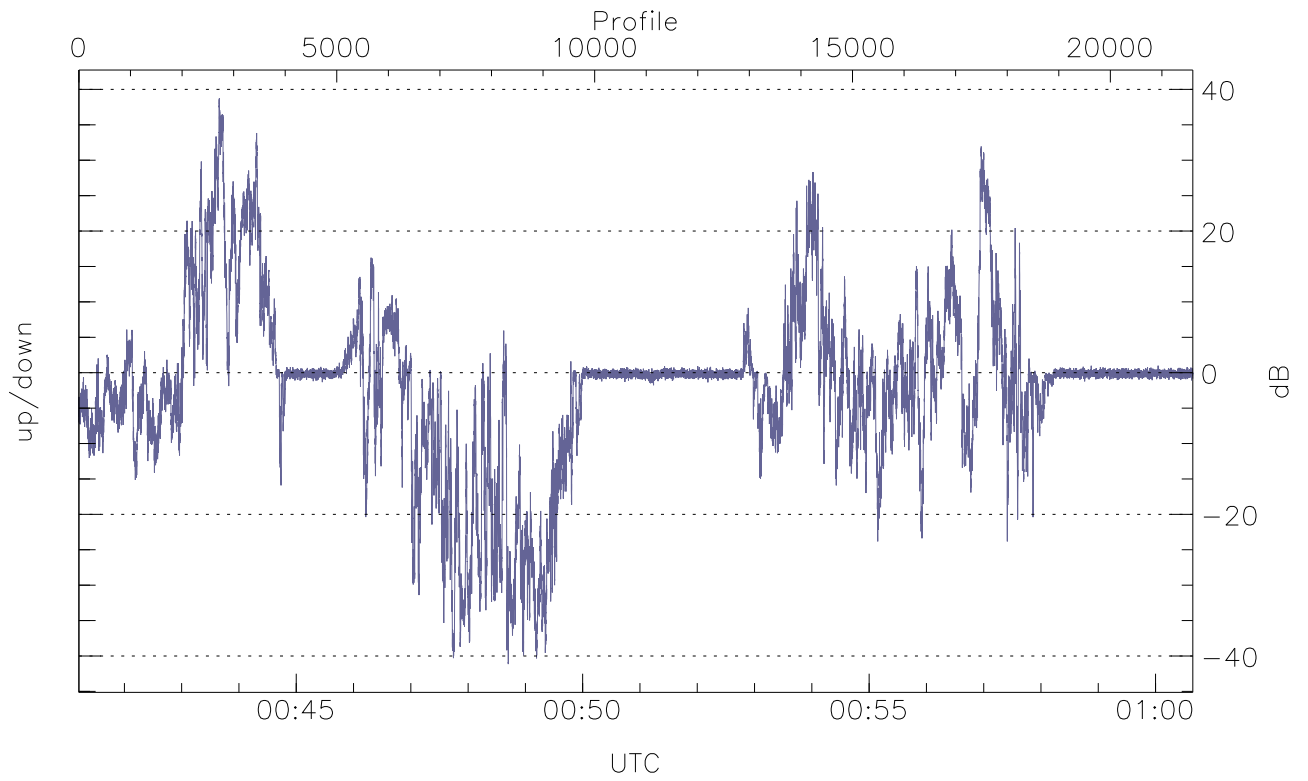


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



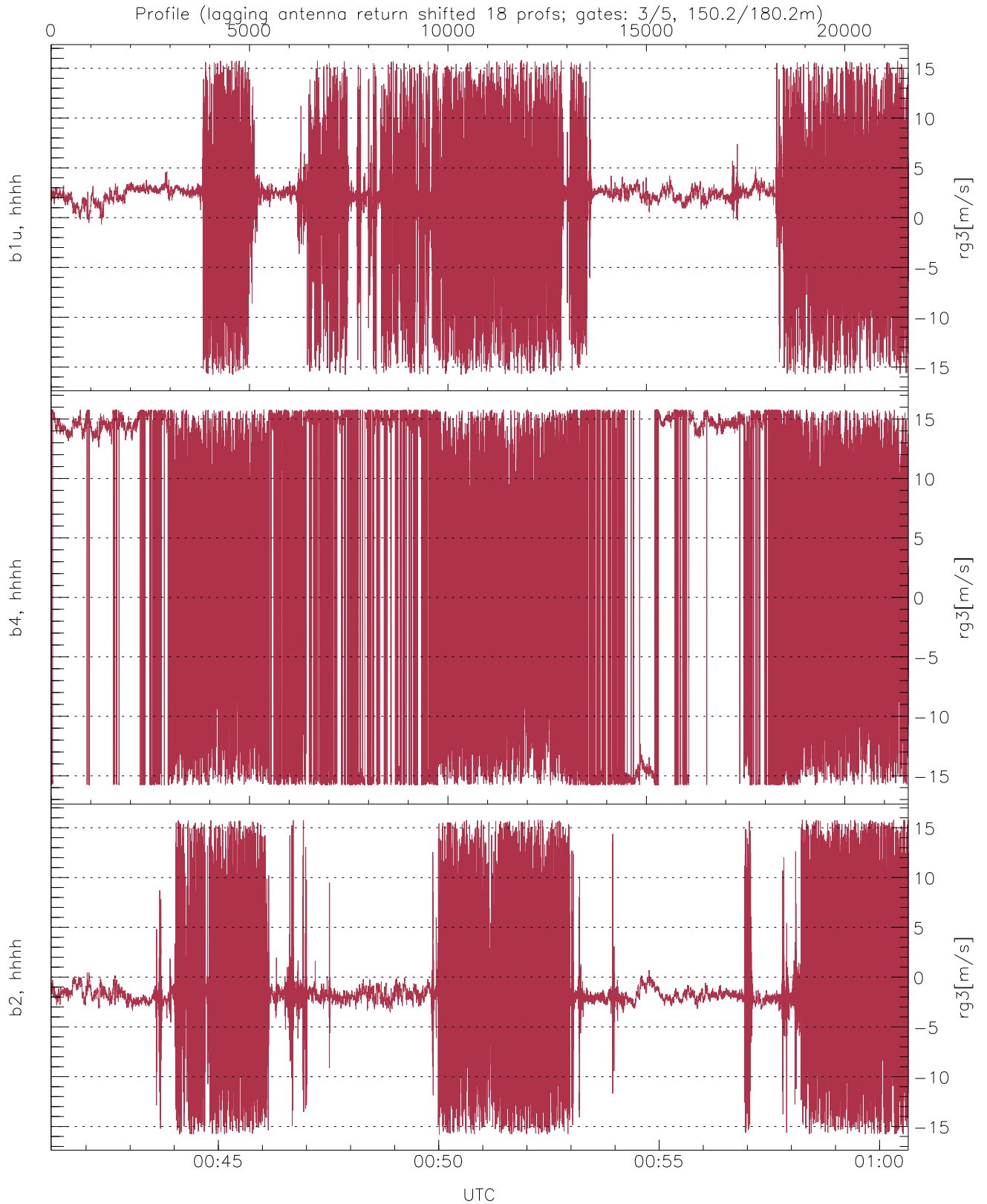
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.21 | -13.88 | -32.07 |
| down-fore(hh[dBm]) | -63.78 | -20.14 | -33.97 |
| down(hh[dBm]) | -64.04 | -15.19 | -29.43 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 3 (150 m)

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -41.14 | 38.74 | -1.71 |
| down/down-fore (dB) | -22.22 | 27.57 | 2.71 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.79 | 15.79 | 1.24 | 5.32 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | 3.34 | 12.45 |
| b2, hhhh(rg3[m/s]) | -15.80 | 15.80 | -1.34 | 5.58 |