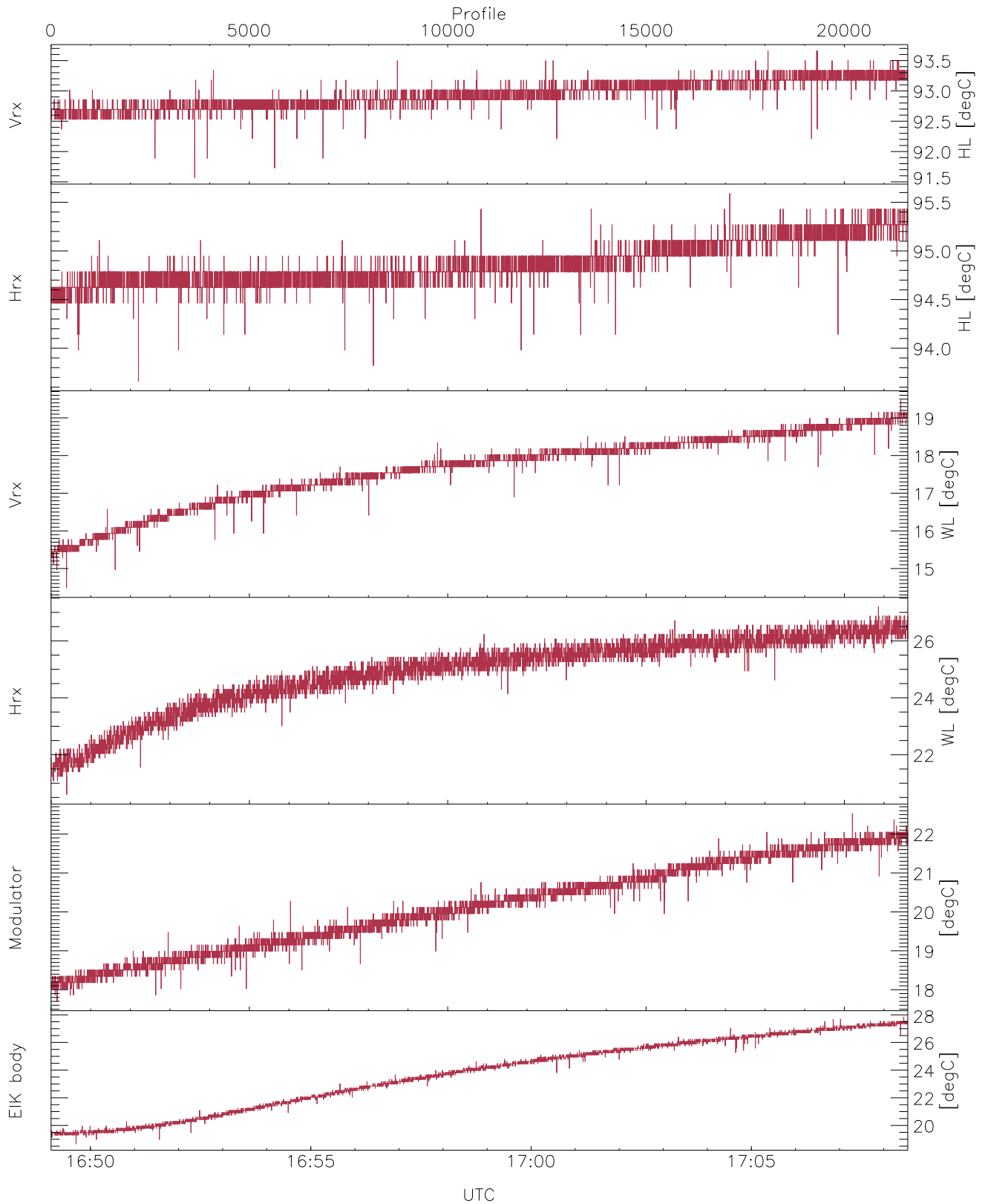


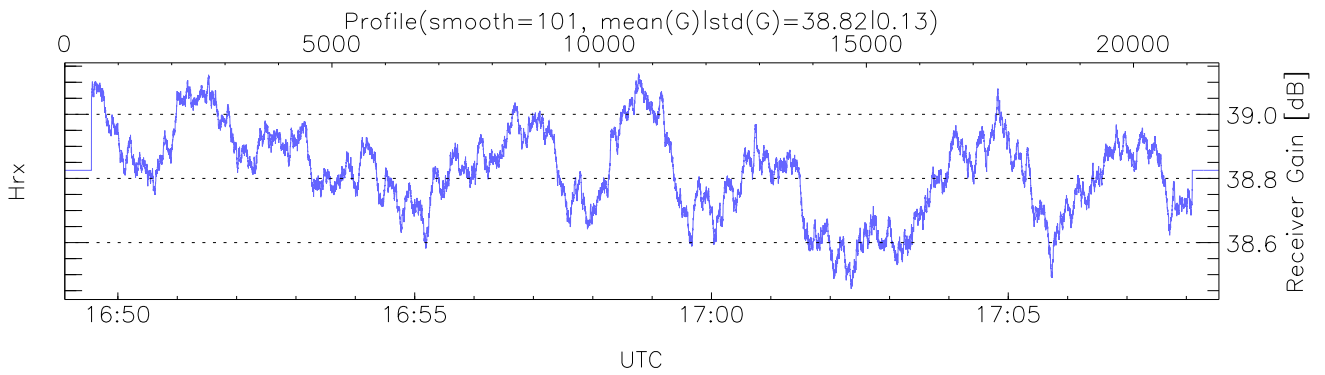
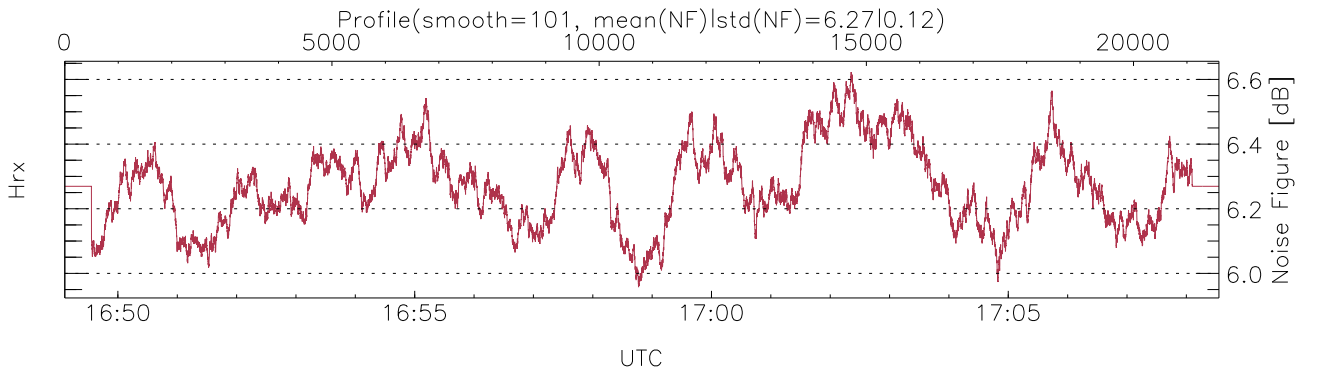
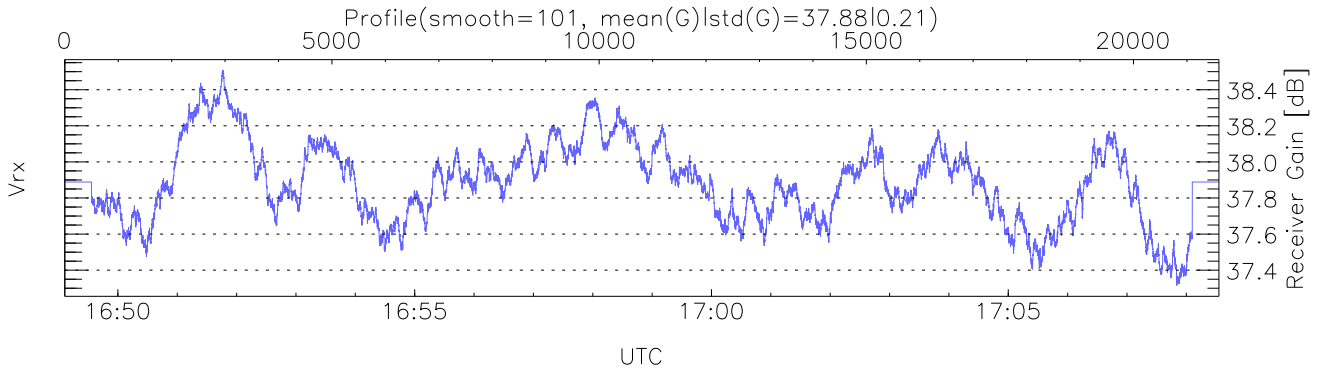
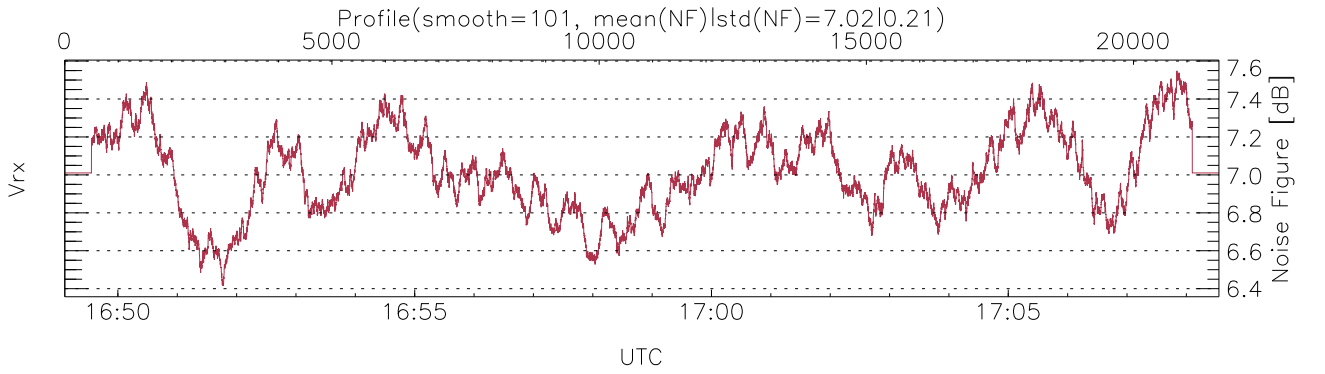
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 16:49:06-17:14:12, Dur: 1505.57s
 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): 21600/27875, 0-21599/16:49:06-17:08:33
 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



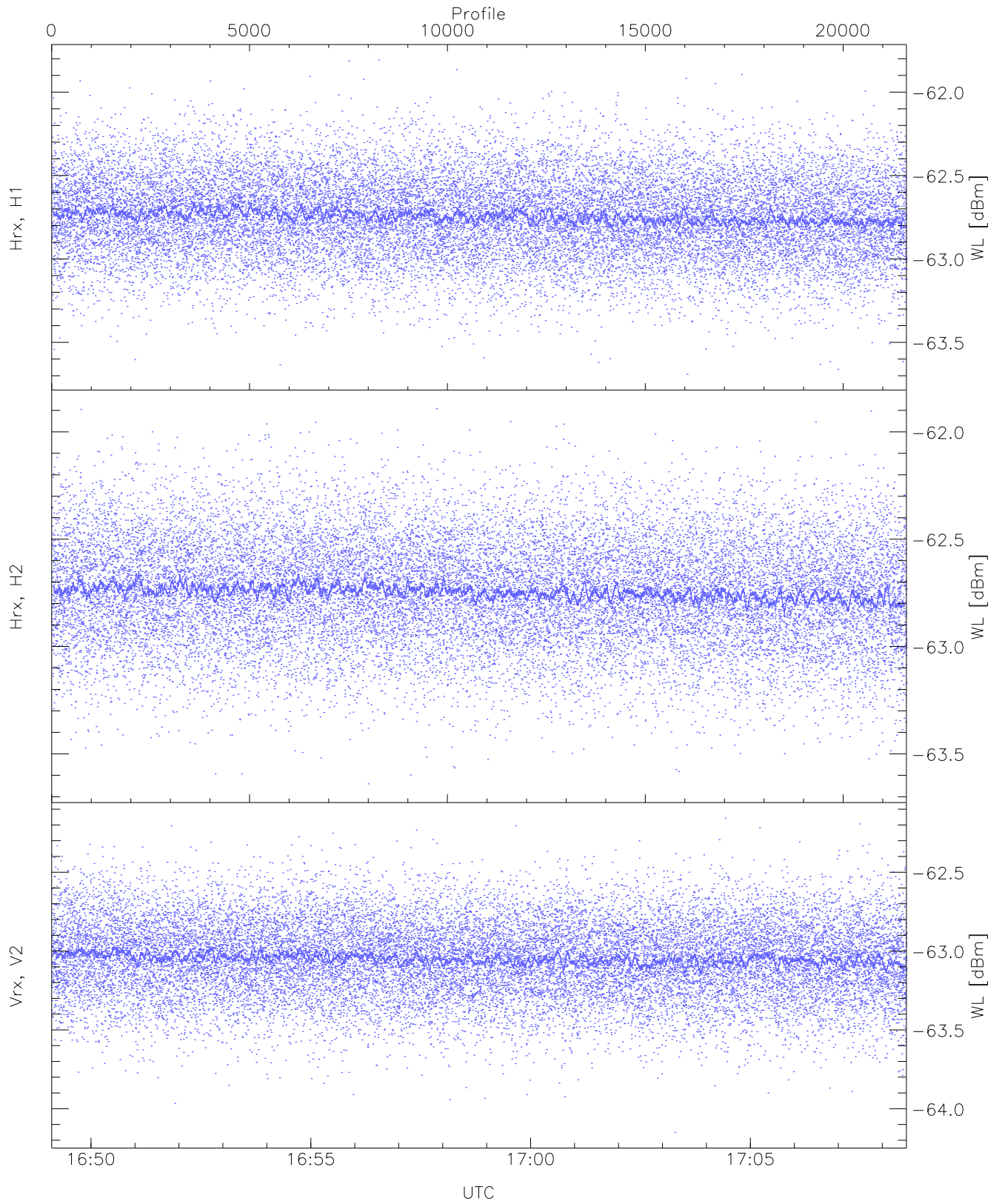
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,14,20,17,18
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,19,27,22,27
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (9,9,19,24,10,10)



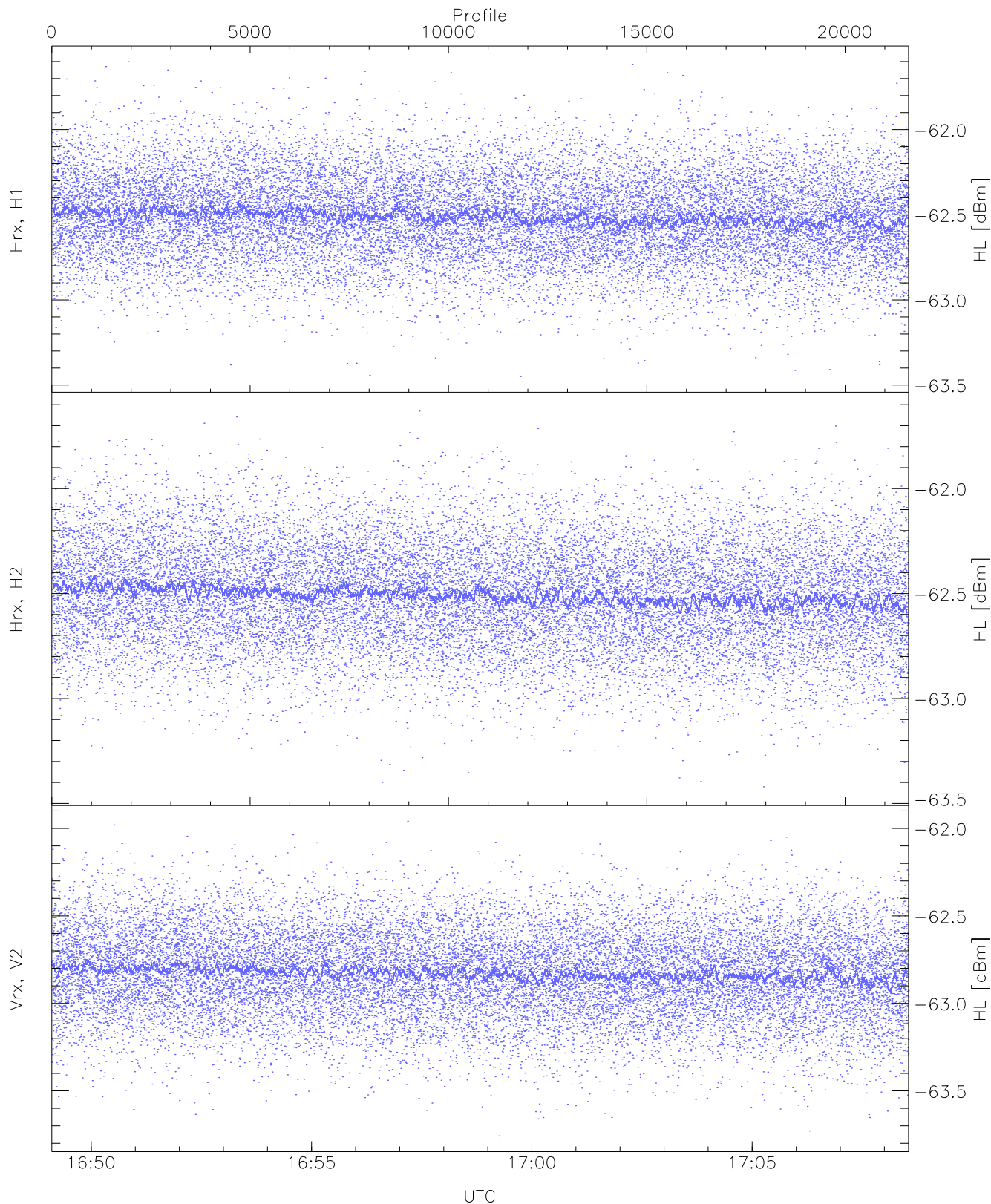
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 486 pixs, 26 gates, 353 profs, 2 prods



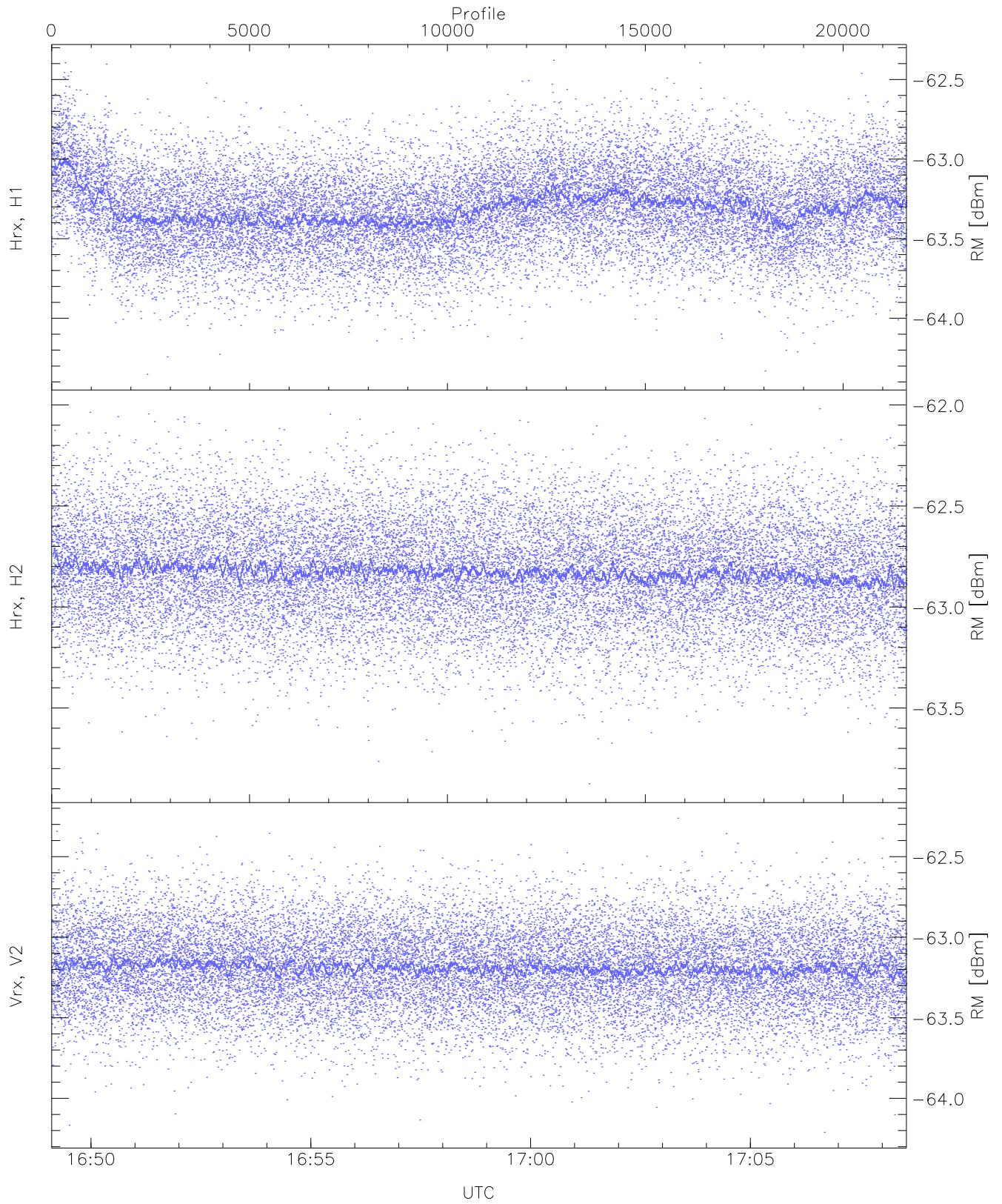
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.69 | -61.81 | -62.74 | -62.75 | -75.43 |
| Hrx, H2 (WL [dBm]) | -63.64 | -61.89 | -62.74 | -62.75 | -75.44 |
| Vrx, V2 (WL [dBm]) | -64.15 | -62.16 | -63.04 | -63.05 | -75.75 |



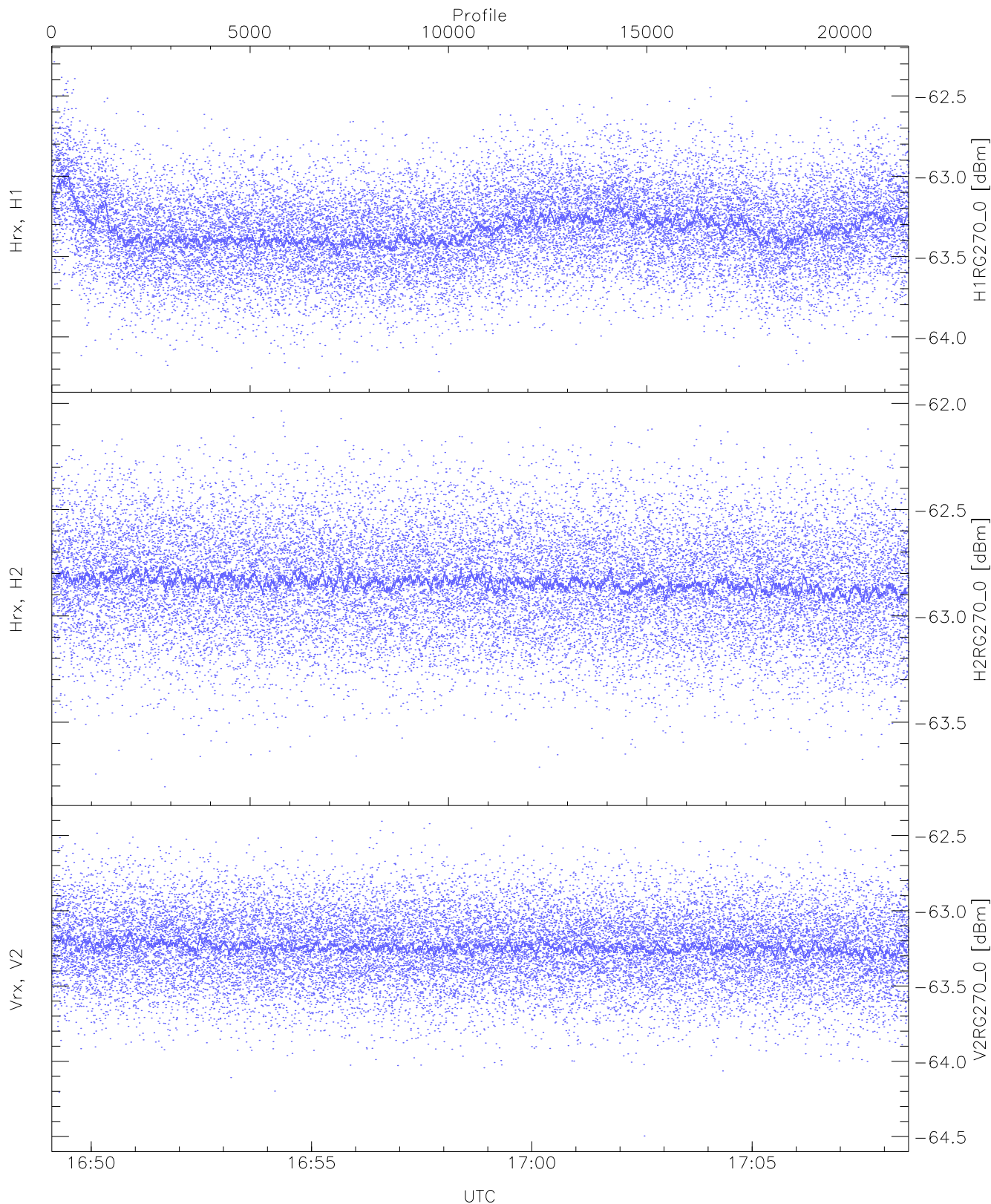
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.45 | -61.60 | -62.51 | -62.51 | -75.16 |
| Hrx, H2 (HL [dBm]) | -63.42 | -61.63 | -62.51 | -62.51 | -75.22 |
| Vrx, V2 (HL [dBm]) | -63.76 | -61.96 | -62.83 | -62.83 | -75.54 |



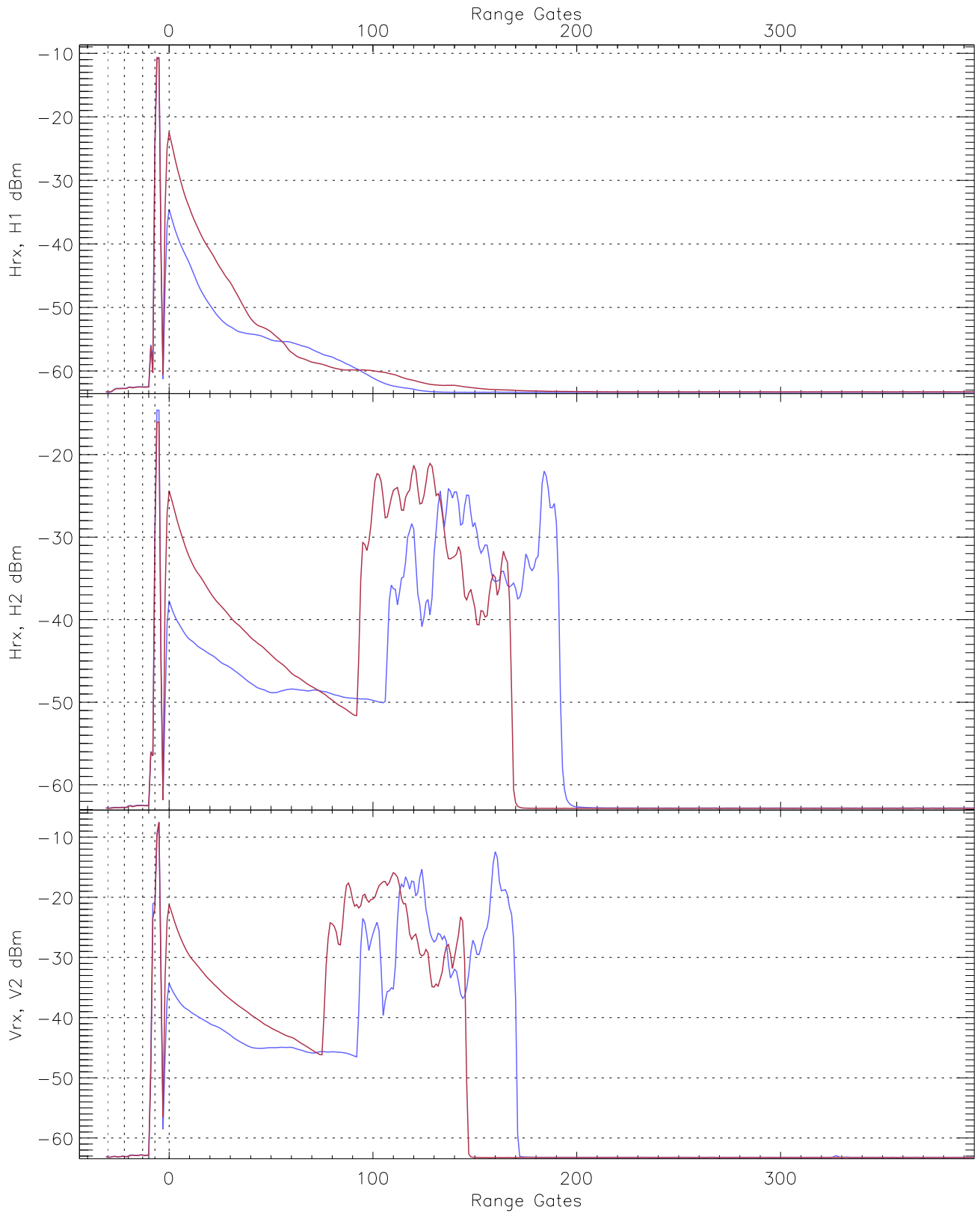
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.35 | -62.38 | -63.31 | -63.32 | -75.78 |
| Hrx, H2 (RM [dBm]) | -63.88 | -62.02 | -62.83 | -62.83 | -75.48 |
| Vrx, V2 (RM [dBm]) | -64.21 | -62.26 | -63.19 | -63.19 | -75.86 |

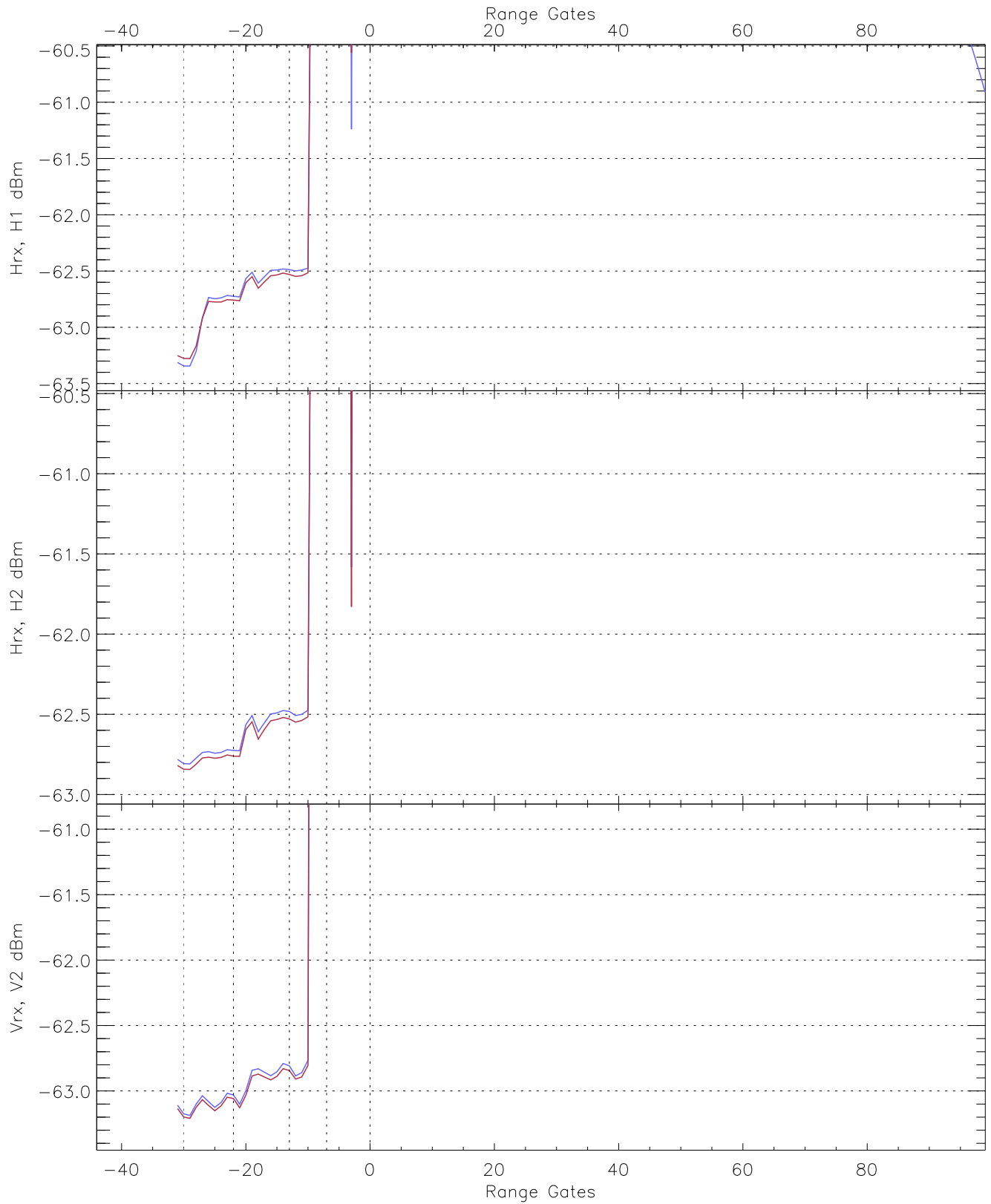


WCR2 CPP "Best" estimate Receivers Noise Power

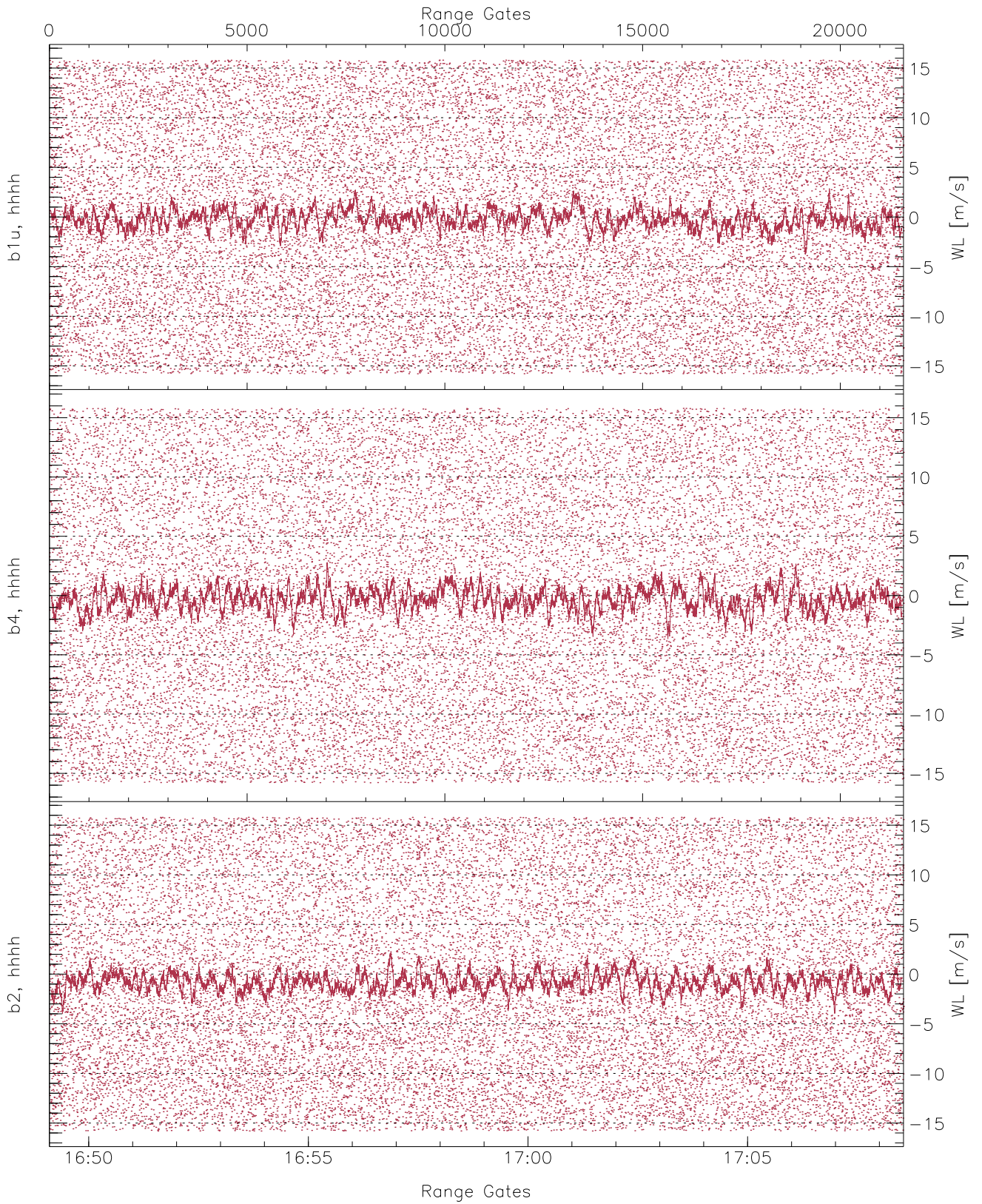
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG270_0 [dBm] | -64.25 | -62.29 | -63.33 | -63.33 | -75.79 |
| H2RG270_0 [dBm] | -63.80 | -62.04 | -62.84 | -62.85 | -75.56 |
| V2RG270_0 [dBm] | -64.50 | -62.41 | -63.24 | -63.24 | -75.92 |



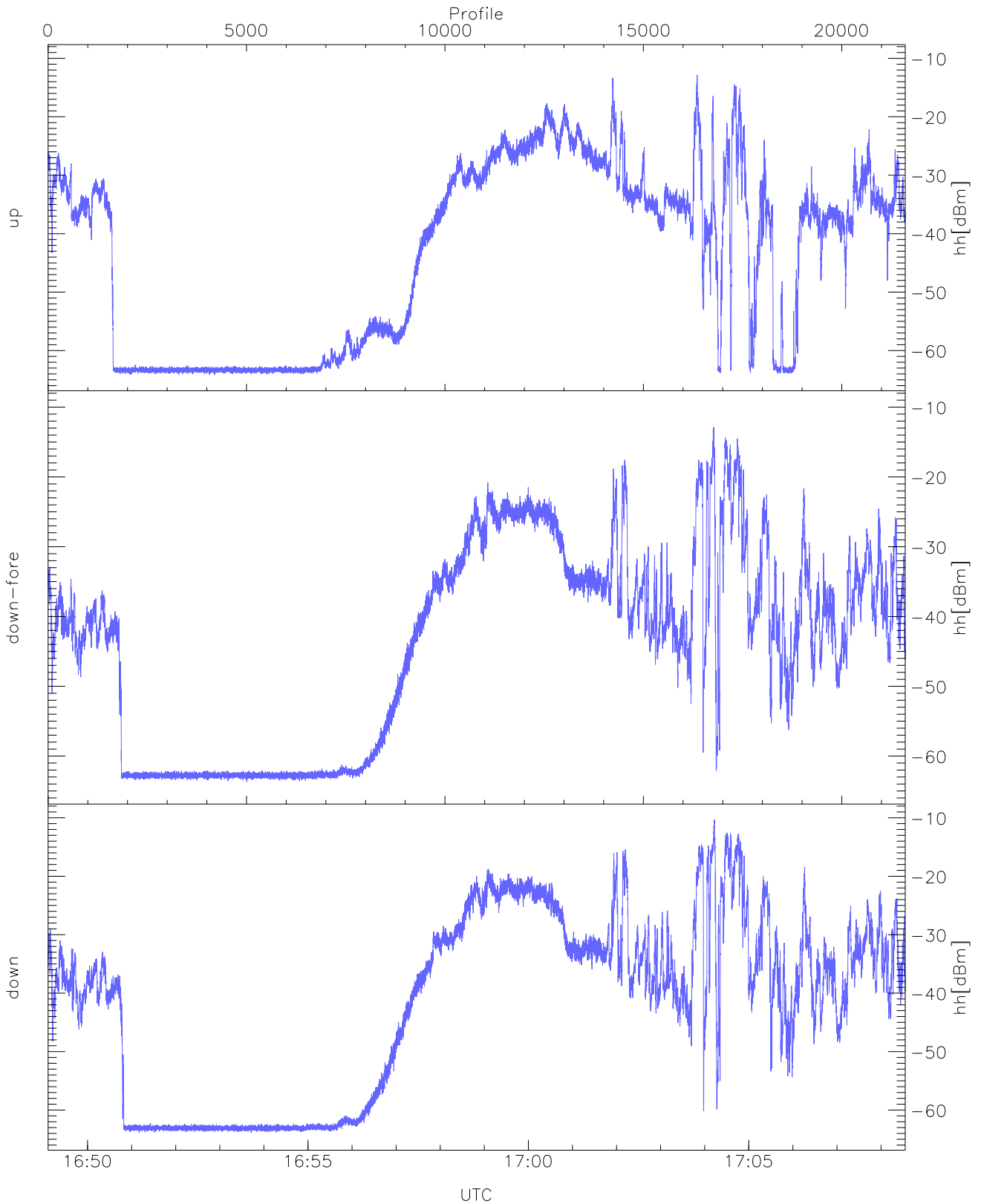
WCR2 CPP Averaged Received power for all recorded gates
blue: 164906-165850, 10801 profiles averaged
red: 165850-170833, 10800 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 164906-165850, 10801 profiles averaged
red: 165850-170833, 10800 profiles averaged

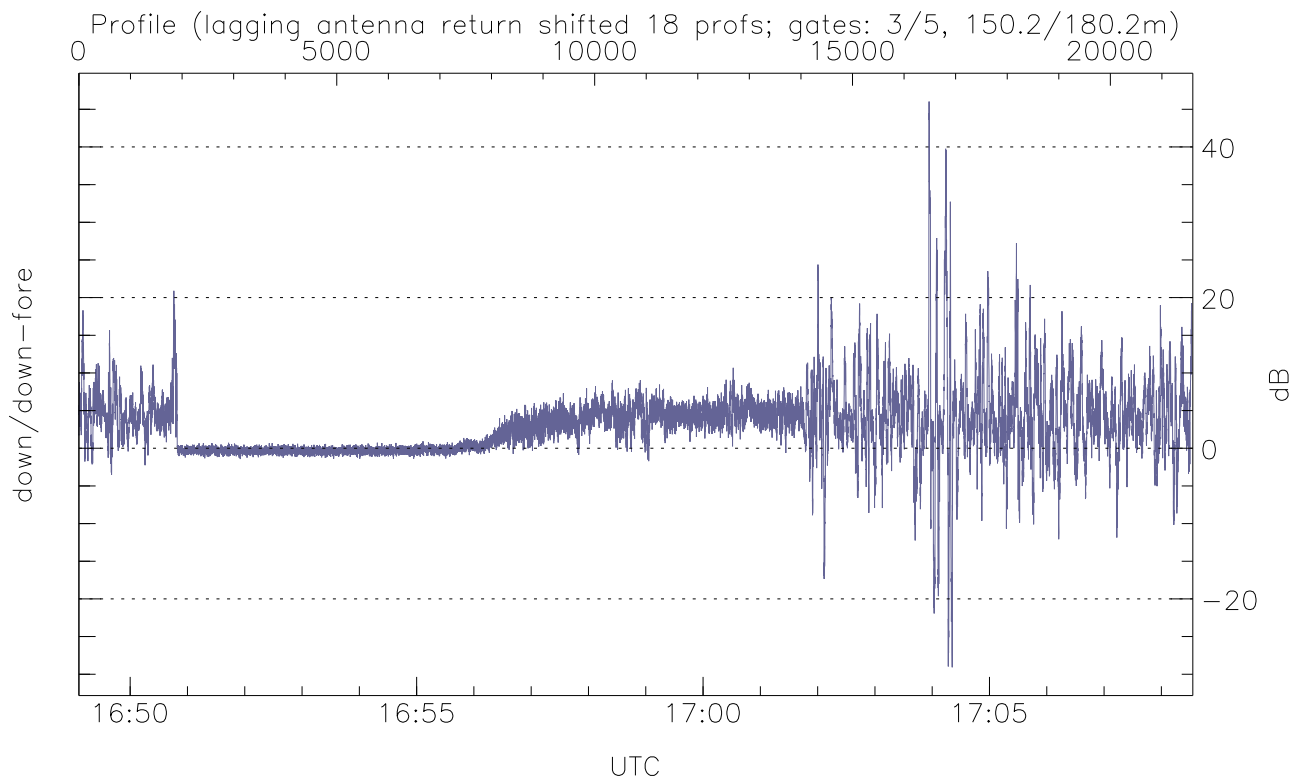
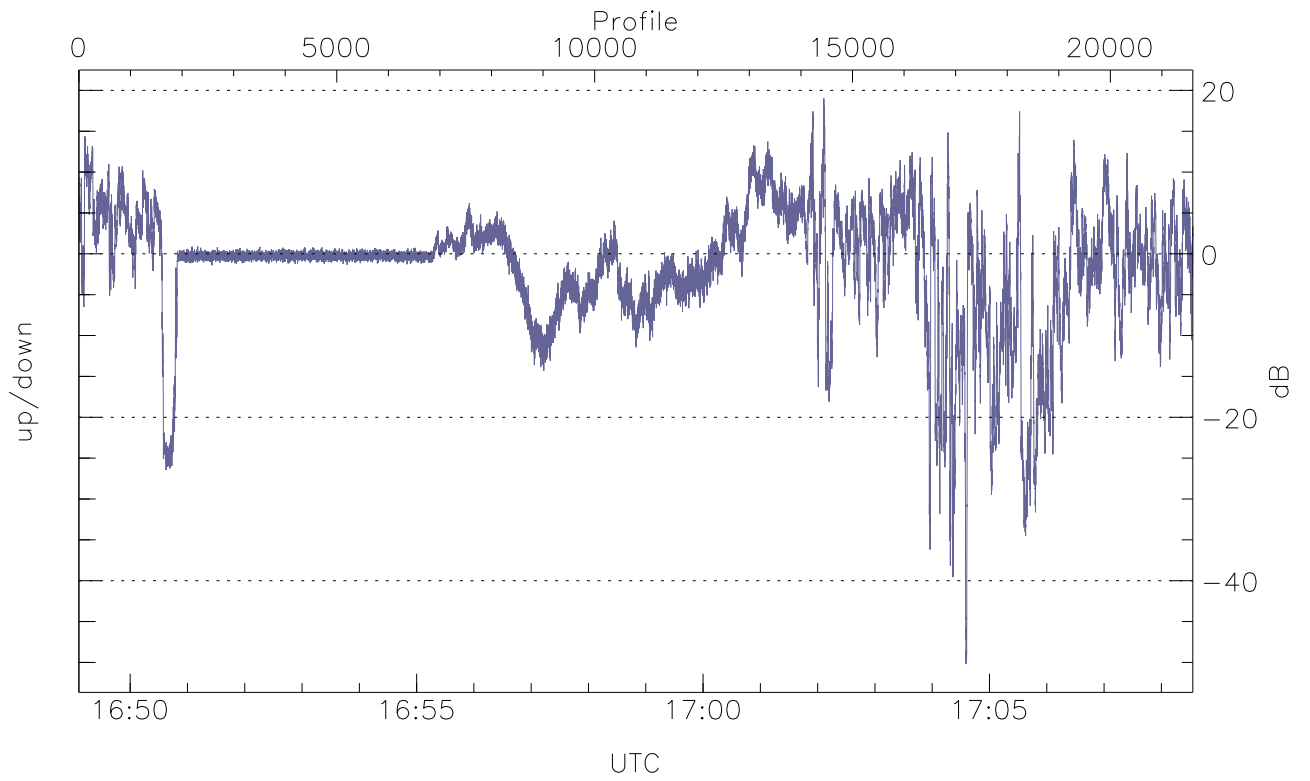


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



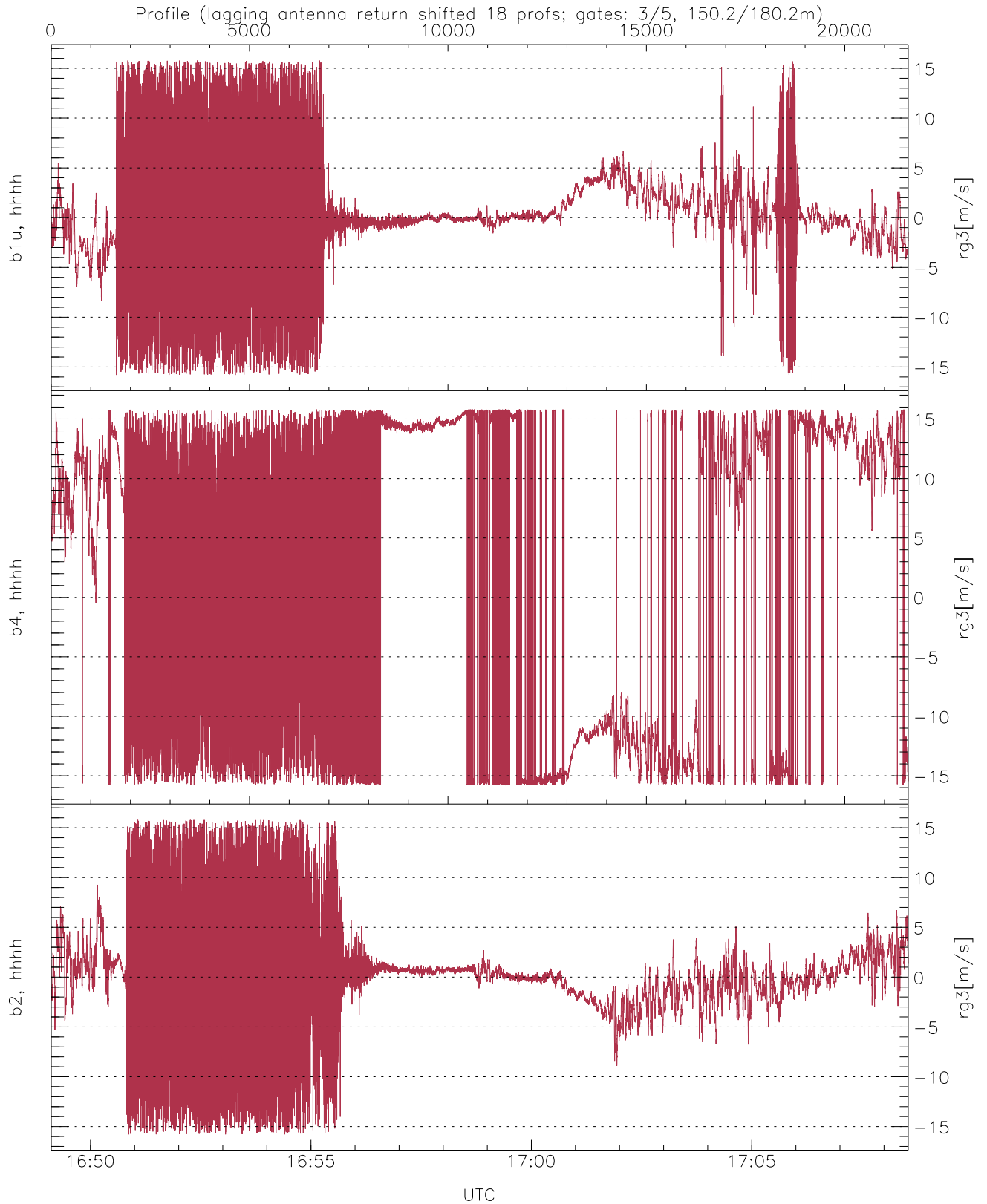
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.18 | -12.82 | -29.46 |
| down-fore(hh[dBm]) | -63.71 | -12.86 | -29.88 |
| down(hh[dBm]) | -63.88 | -10.34 | -27.12 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -50.20 | 19.03 | -1.64 |
| down/down-fore (dB) | -29.08 | 46.03 | 3.04 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.80 | 15.79 | 0.17 | 4.87 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | 2.20 | 12.42 |
| b2, hhhh(rg3[m/s]) | -15.79 | 15.79 | -0.21 | 4.69 |