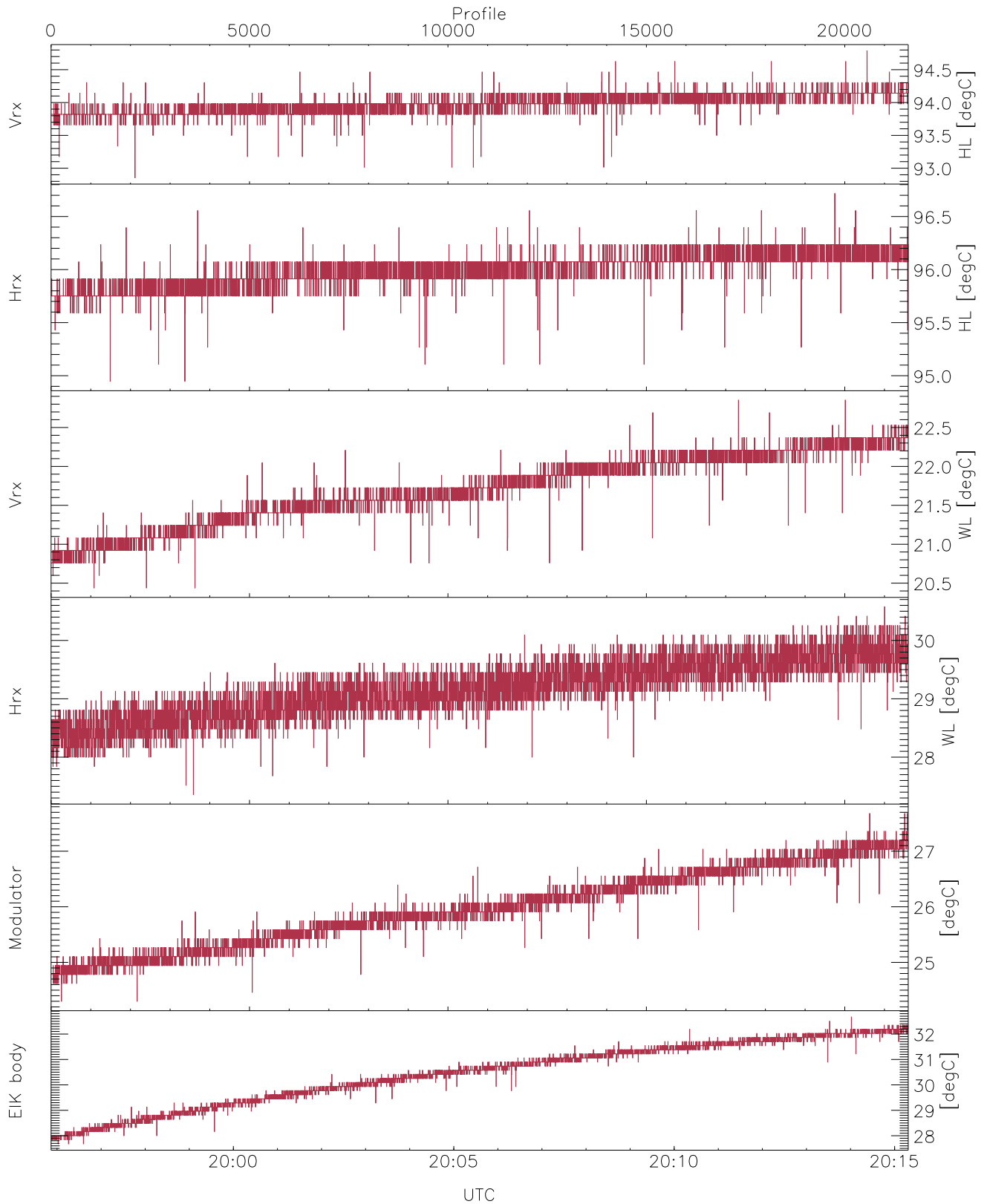


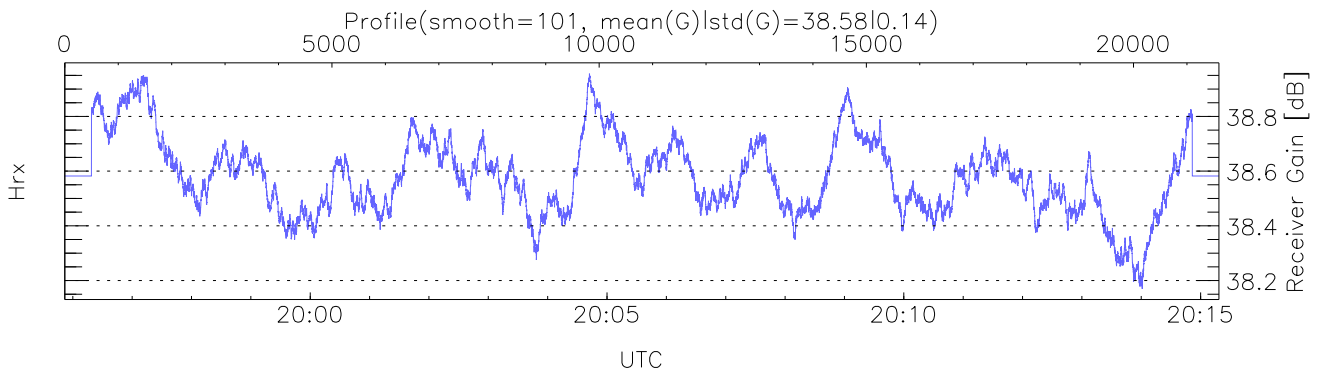
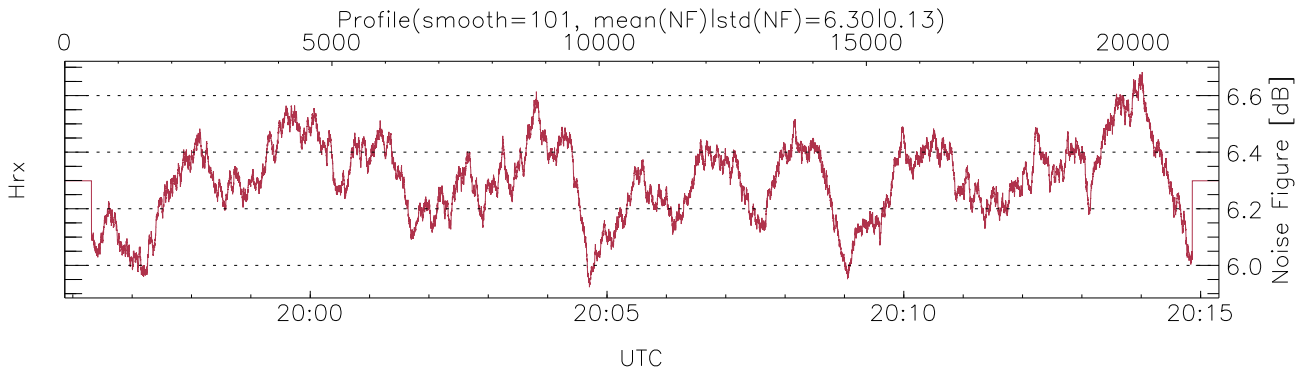
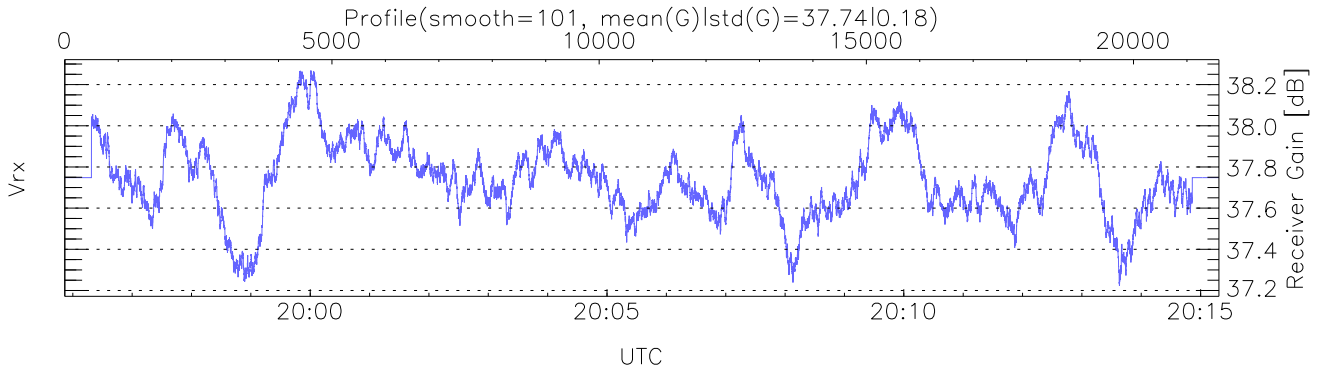
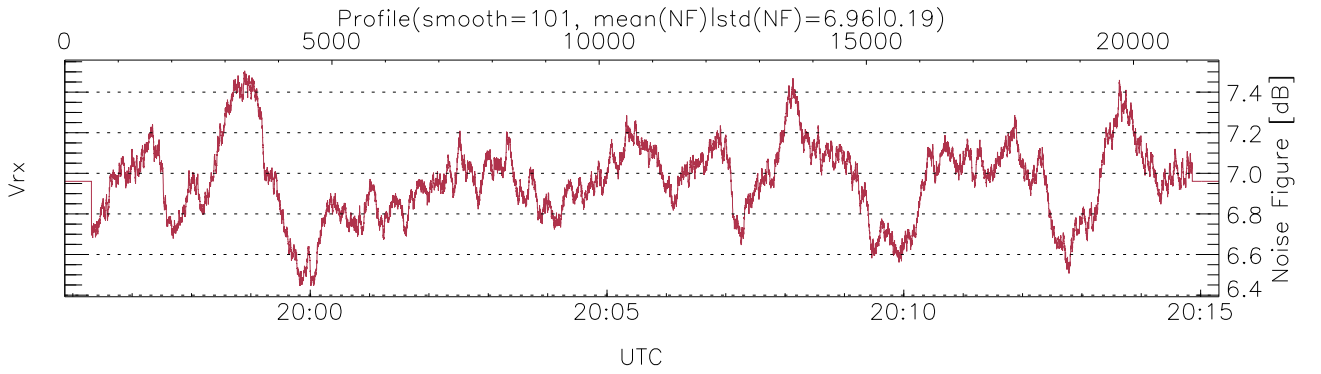
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 19:55:52-20:42:36, Dur: 2804.54s
 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): 21600/51924, 0-21599/19:55:52-20:15:19
 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,rgs): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



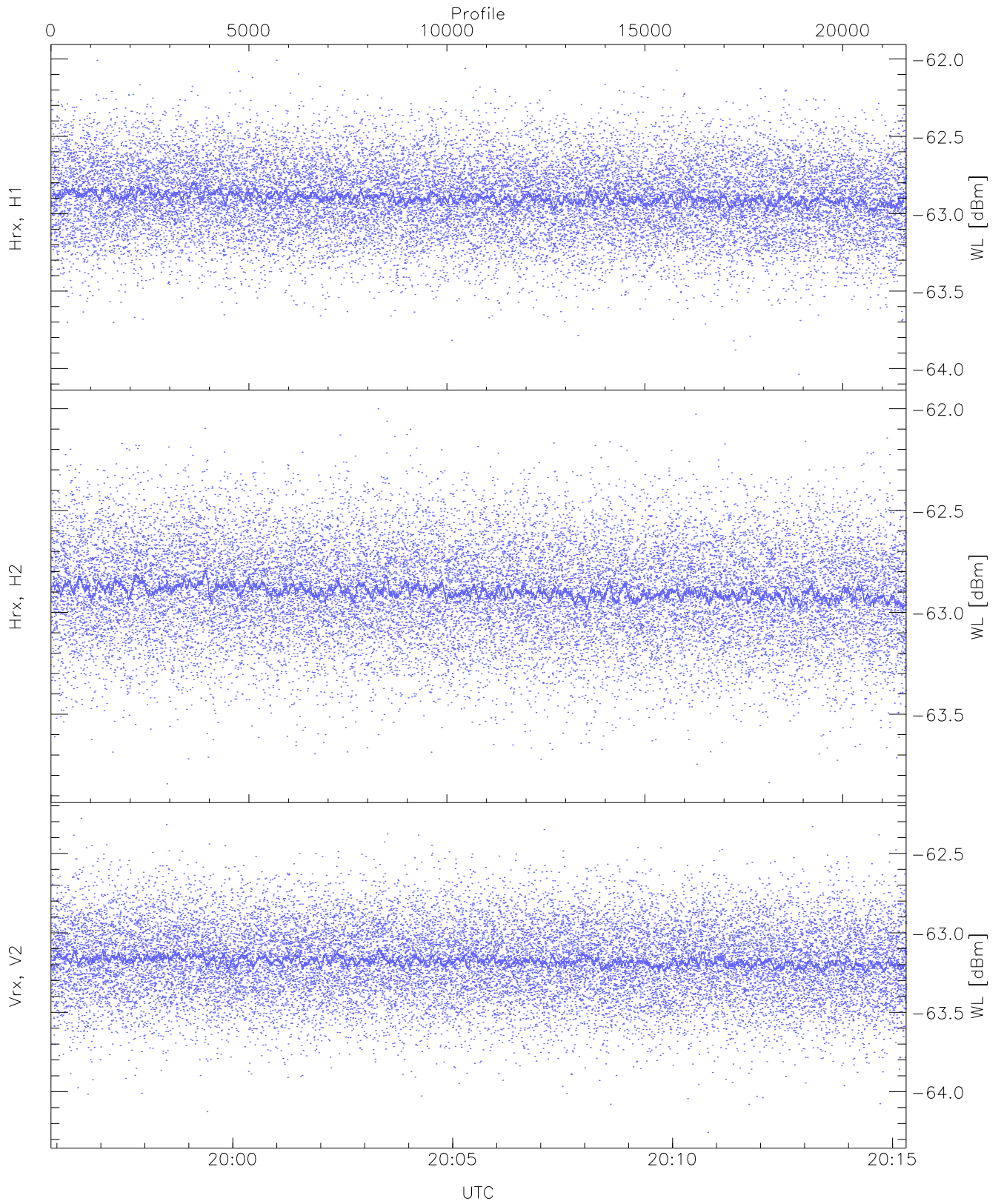
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,20,27,24,27
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,22,30,27,32
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,ColIT,BodyCurr,DeckF,OverDuty,HVPS (24,24,28,28,28,24)



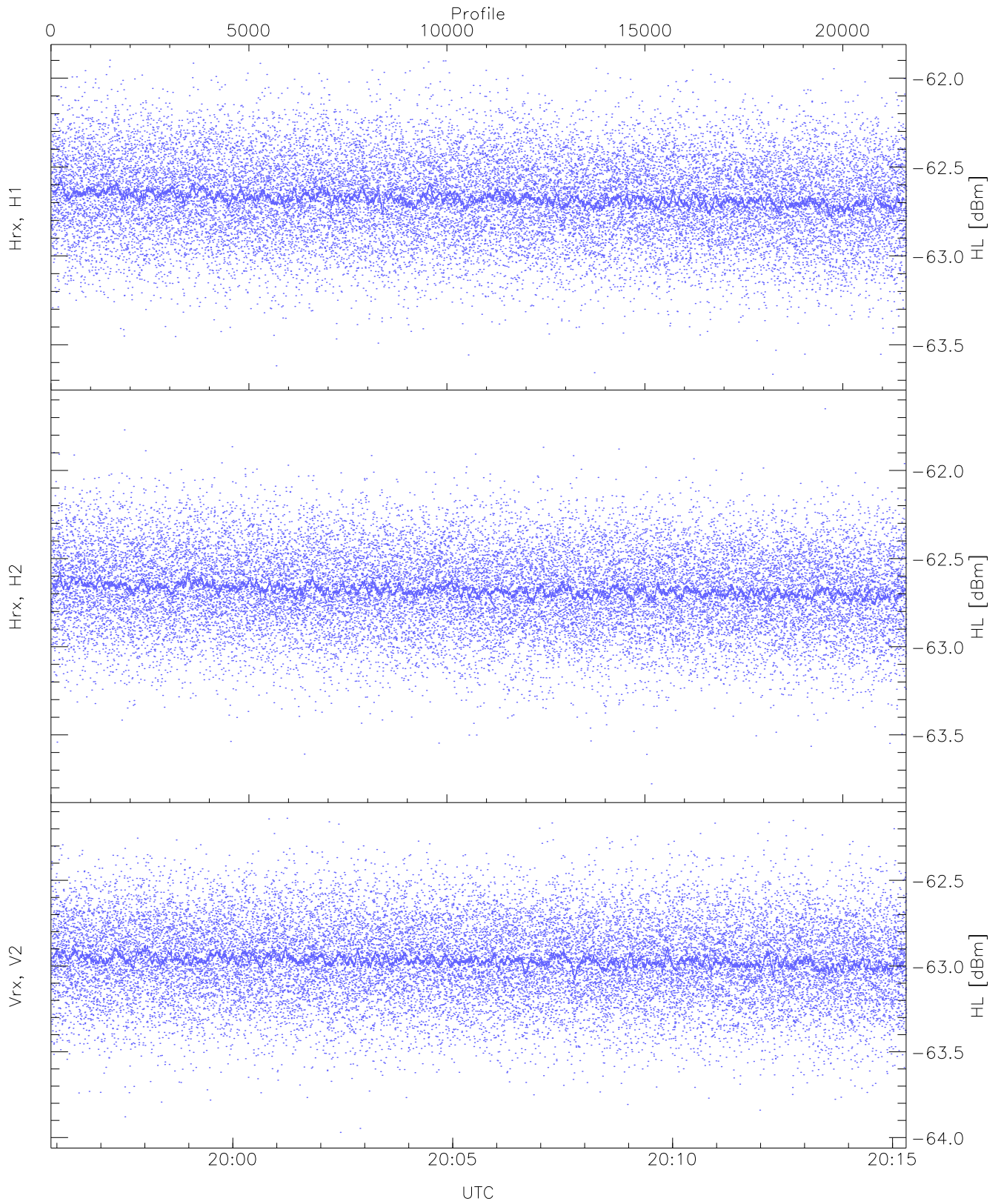
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 1698 pixs, 58 gates, 1655 profs, 2 prods



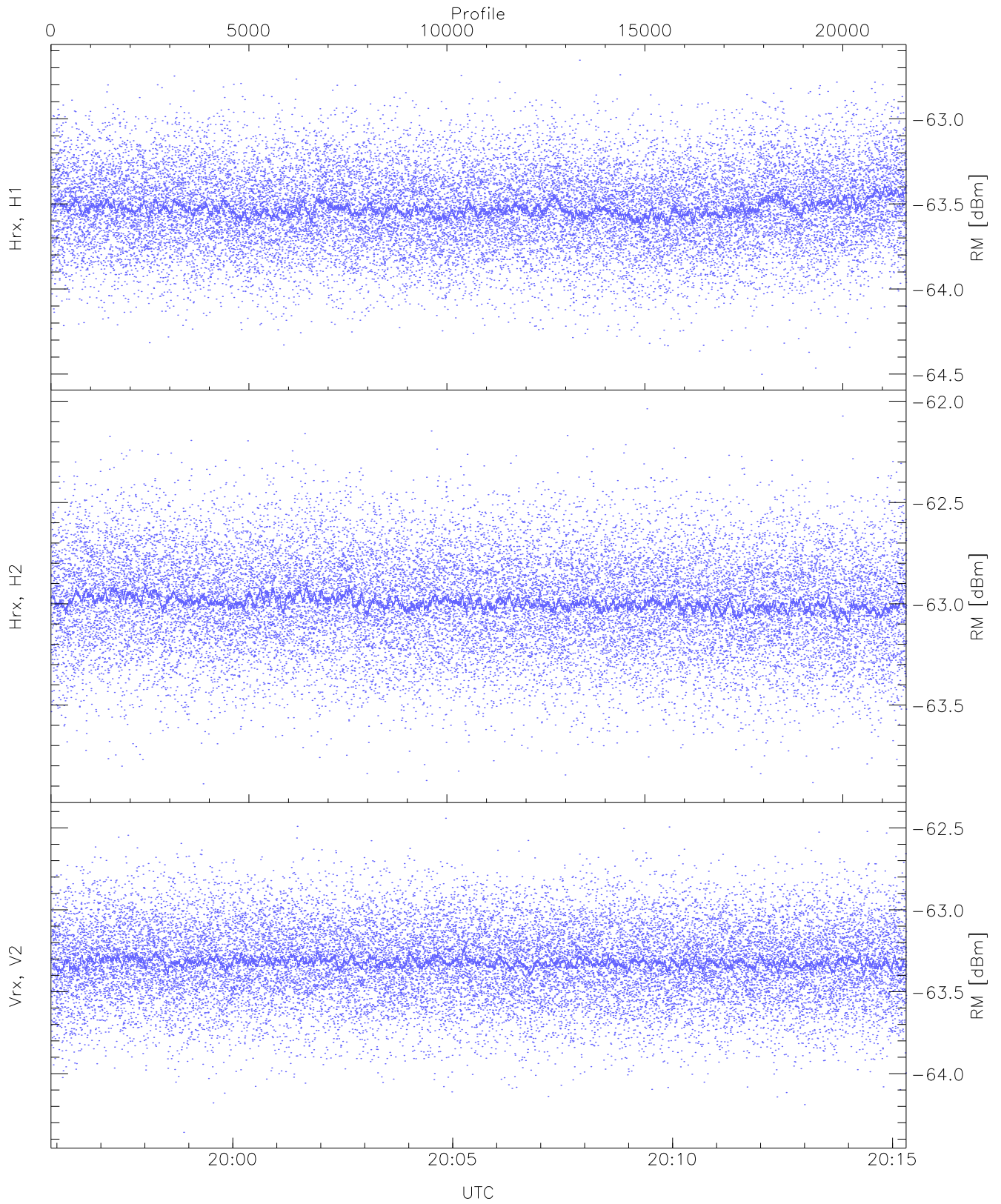
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -64.04 | -62.01 | -62.89 | -62.90 | -75.57 |
| Hrx, H2(WL [dBm]) | -63.84 | -62.00 | -62.89 | -62.90 | -75.60 |
| Vrx, V2(WL [dBm]) | -64.26 | -62.28 | -63.17 | -63.18 | -75.89 |



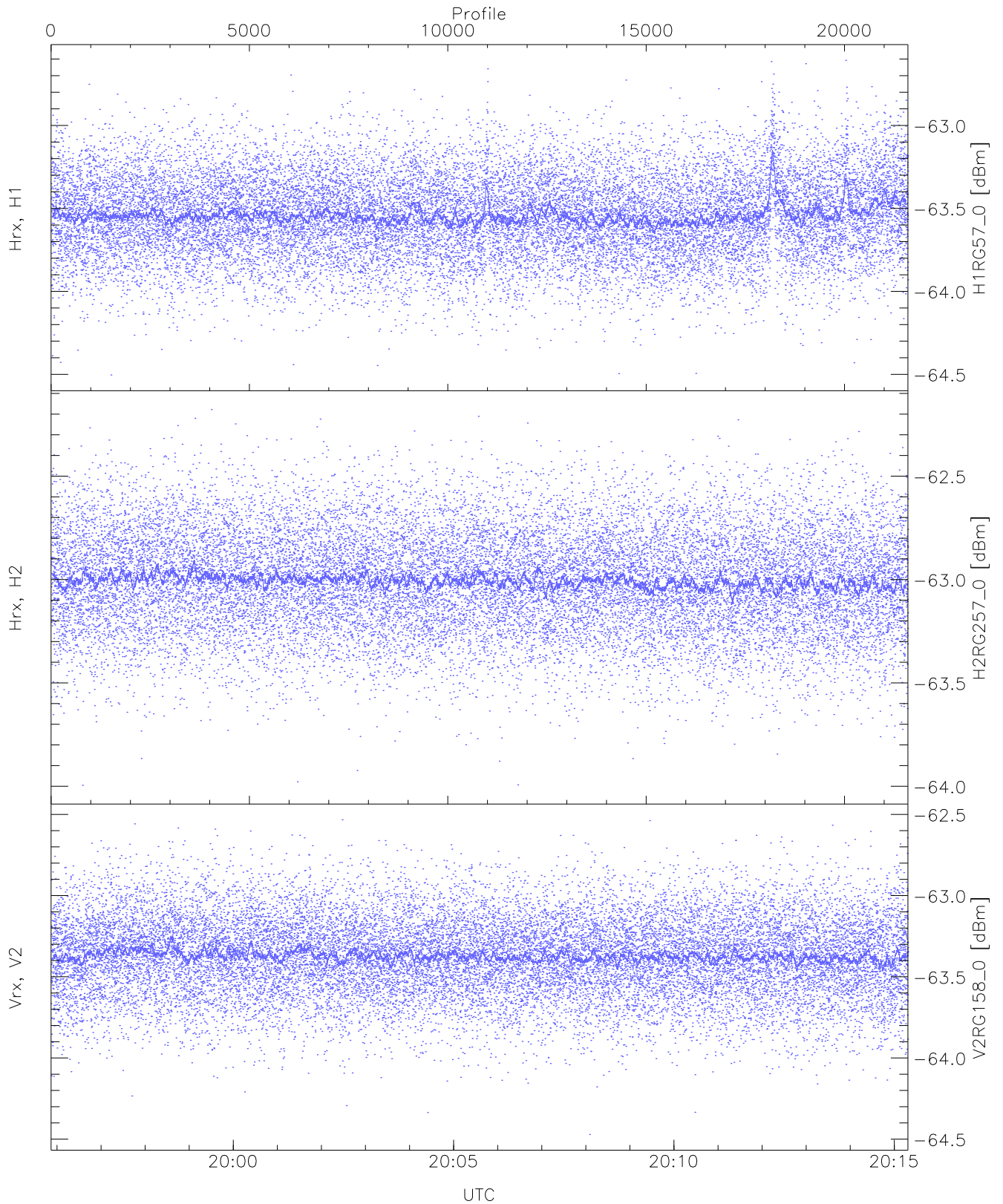
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.67 | -61.90 | -62.67 | -62.68 | -75.36 |
| Hrx, H2 (HL [dBm]) | -63.78 | -61.65 | -62.67 | -62.68 | -75.40 |
| Vrx, V2 (HL [dBm]) | -63.97 | -62.14 | -62.96 | -62.97 | -75.61 |



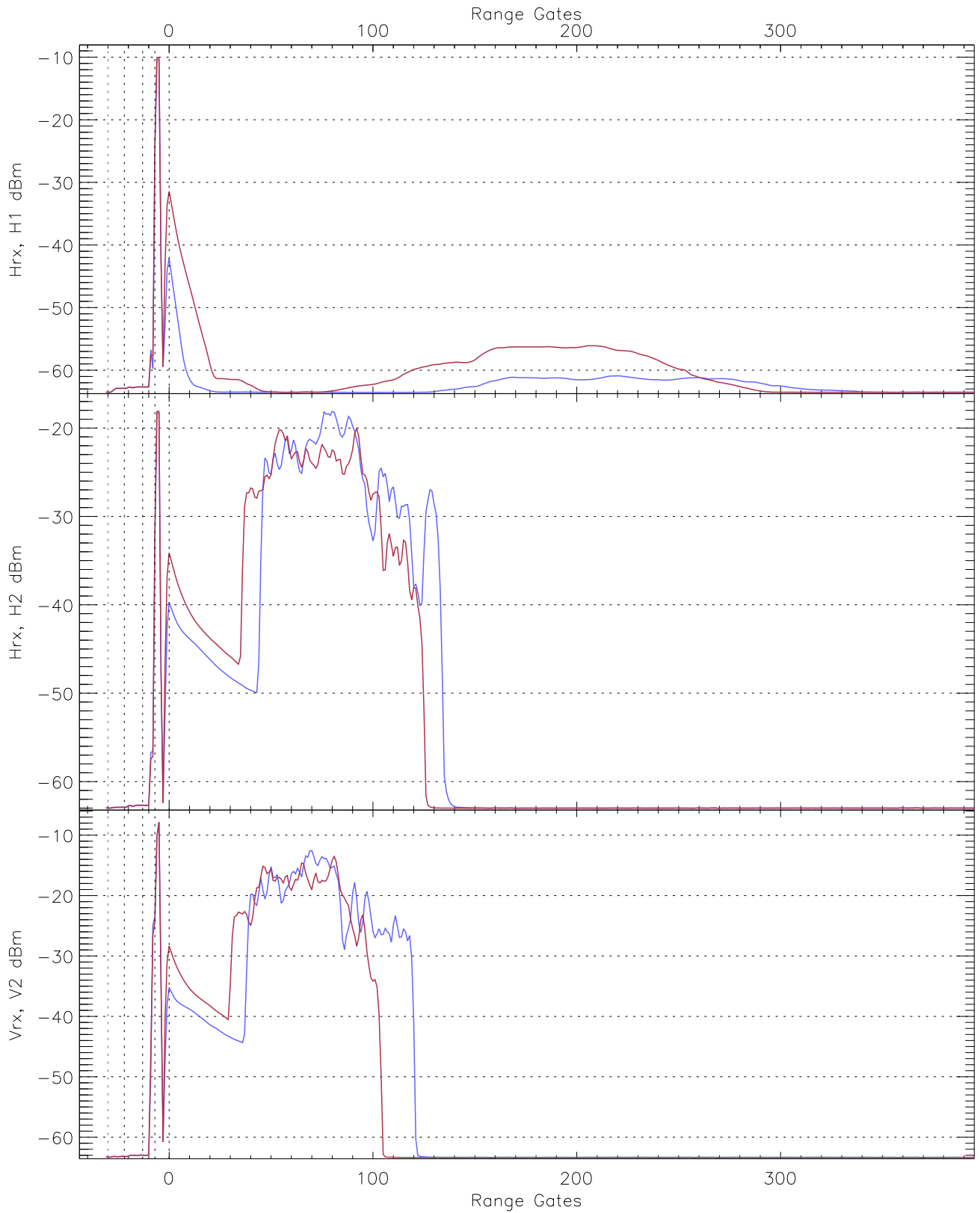
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(RM [dBm]) | -64.50 | -62.66 | -63.52 | -63.53 | -76.22 |
| Hrx, H2(RM [dBm]) | -63.89 | -62.04 | -62.99 | -62.99 | -75.64 |
| Vrx, V2(RM [dBm]) | -64.36 | -62.44 | -63.32 | -63.32 | -76.01 |

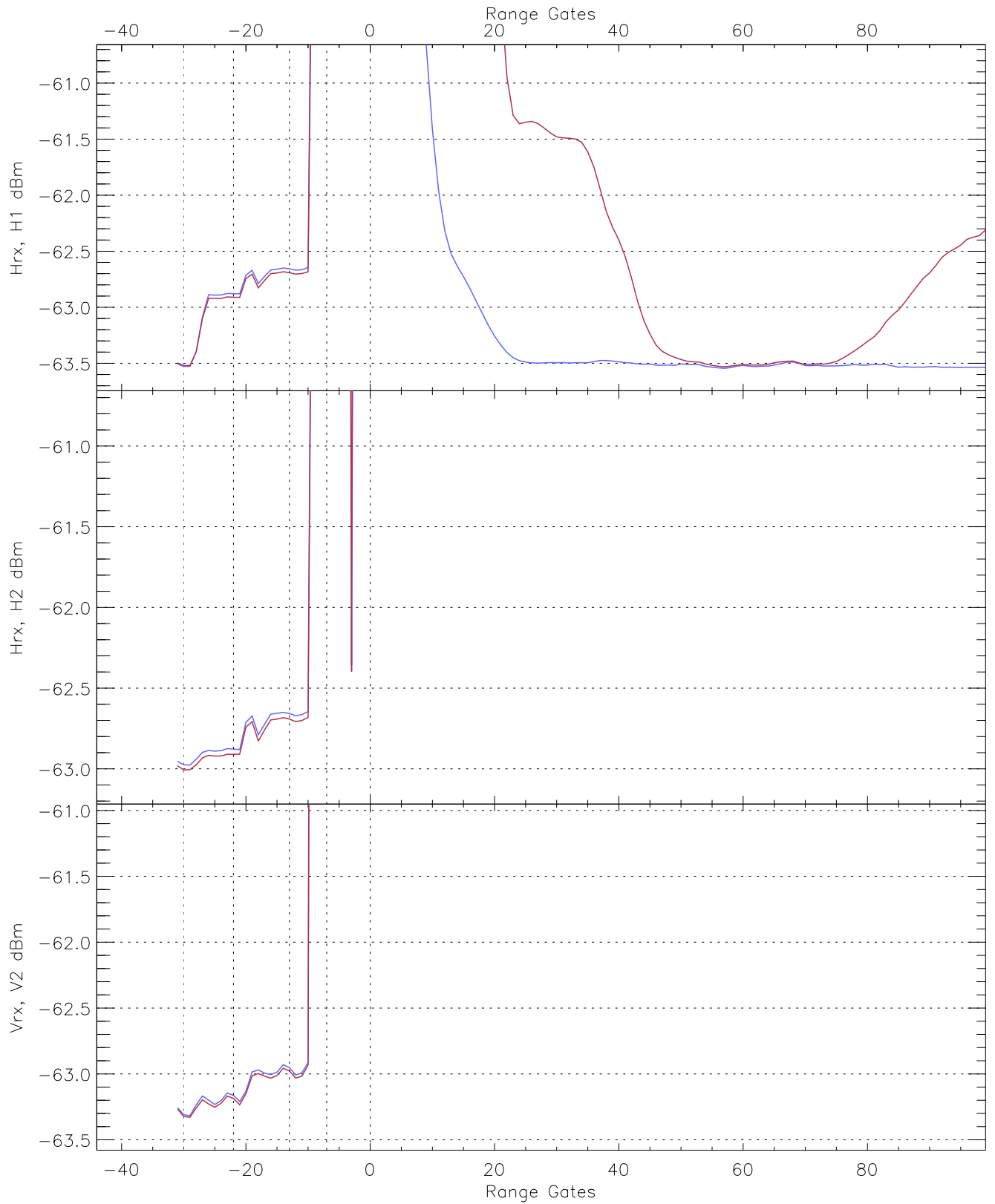


WCR2 CPP "Best" estimate Receivers Noise Power

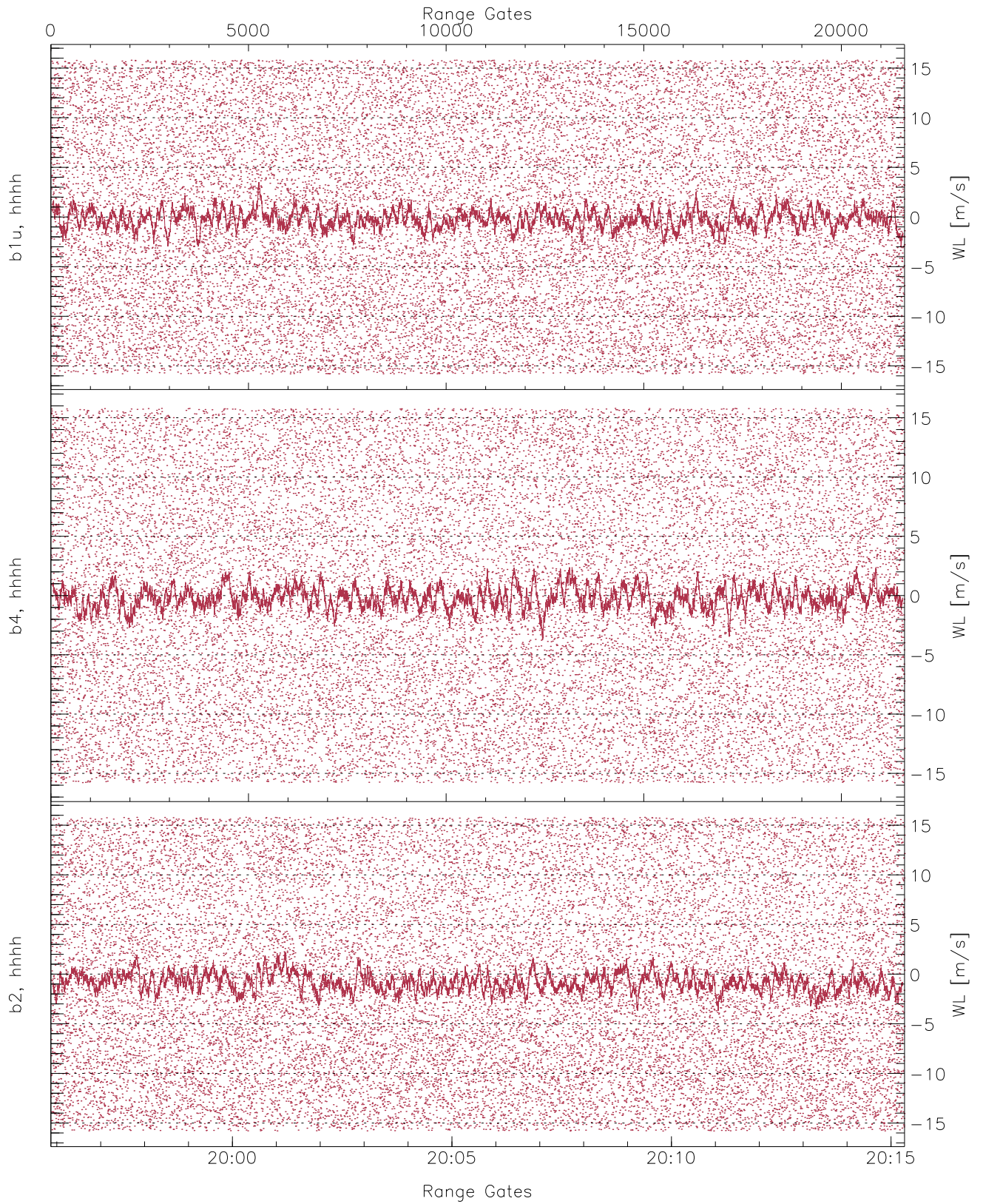
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG57_0 [dBm] | -64.50 | -62.61 | -63.54 | -63.54 | -76.16 |
| H2RG257_0 [dBm] | -64.00 | -62.18 | -63.00 | -63.01 | -75.72 |
| V2RG158_0 [dBm] | -64.47 | -62.53 | -63.37 | -63.37 | -76.05 |



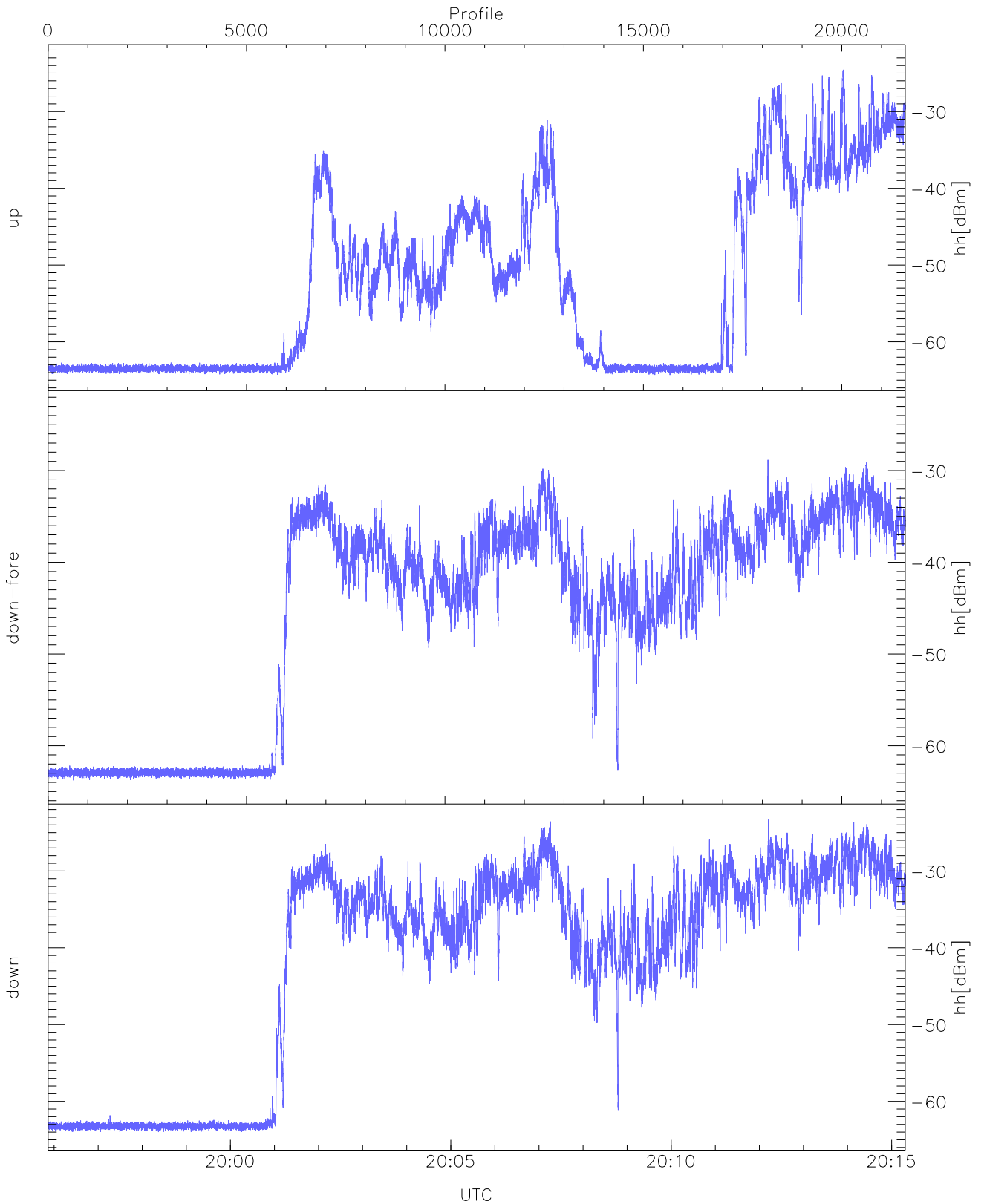
WCR2 CPP Averaged Received power for all recorded gates
blue: 195552-200535, 10801 profiles averaged
red: 200535-201519, 10800 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 195552-200535, 10801 profiles averaged
red: 200535-201519, 10800 profiles averaged

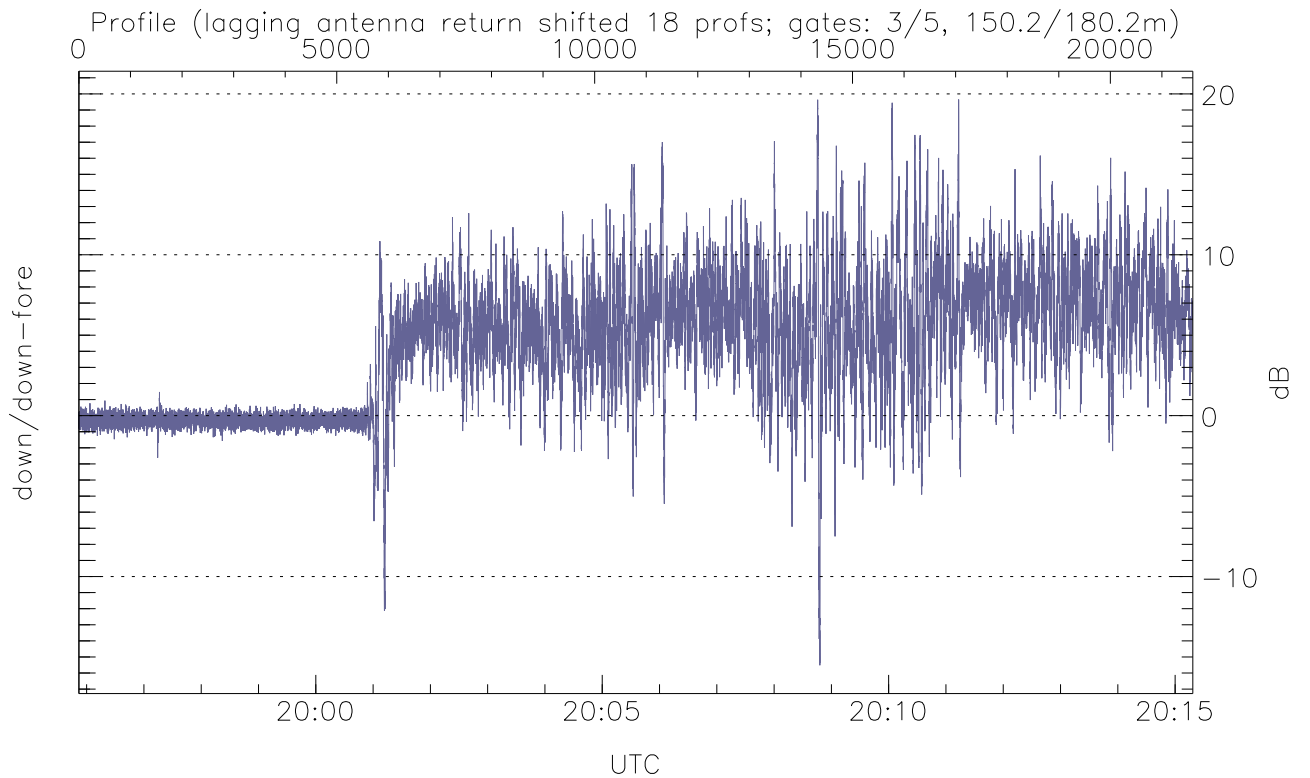
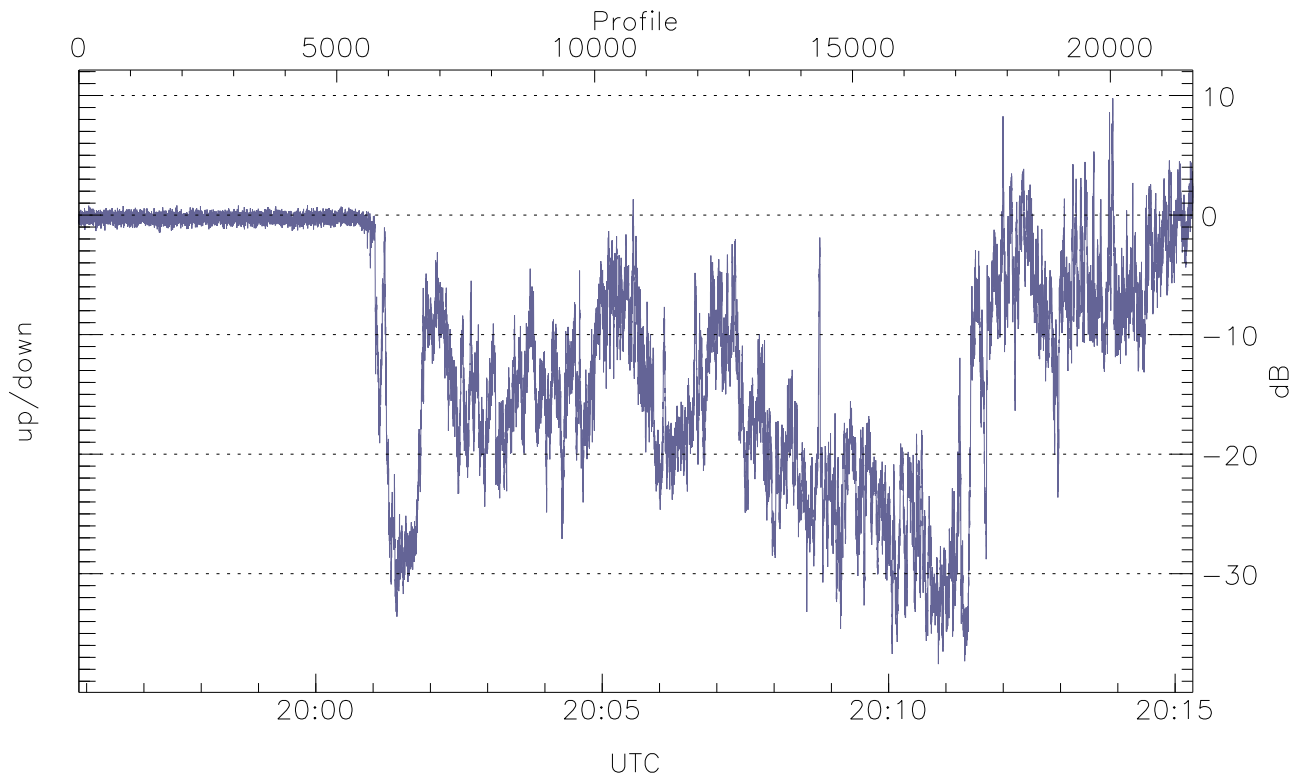


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



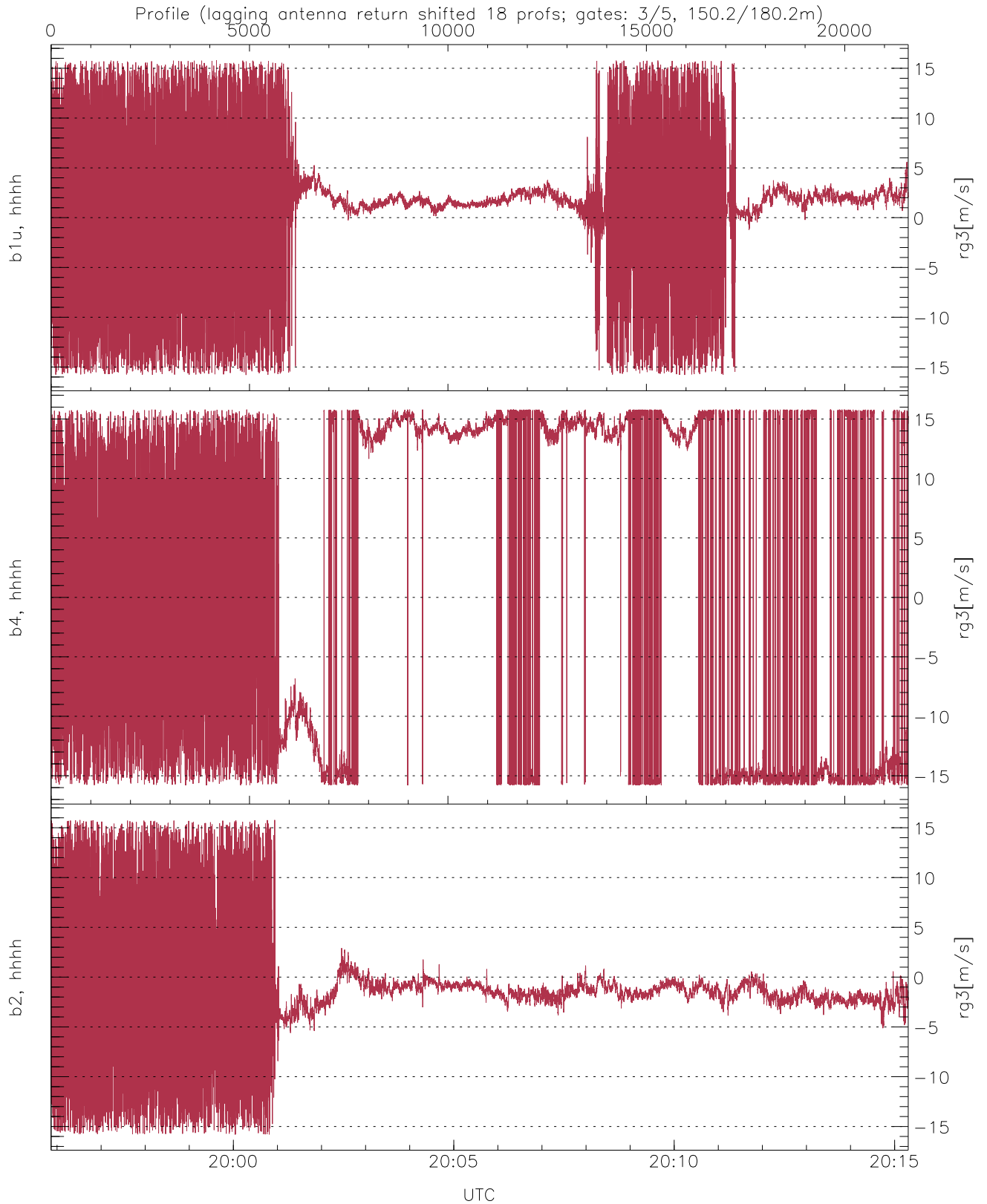
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.31 | -24.55 | -39.66 |
| down-fore(hh[dBm]) | -63.79 | -28.83 | -38.46 |
| down(hh[dBm]) | -64.00 | -23.33 | -33.24 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|--------|
| up/down (dB) | -37.56 | 9.77 | -10.96 |
| down/down-fore (dB) | -15.52 | 19.65 | 4.29 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.80 | 15.78 | 0.89 | 5.85 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | 1.90 | 13.21 |
| b2, hhhh(rg3[m/s]) | -15.80 | 15.78 | -1.35 | 4.59 |