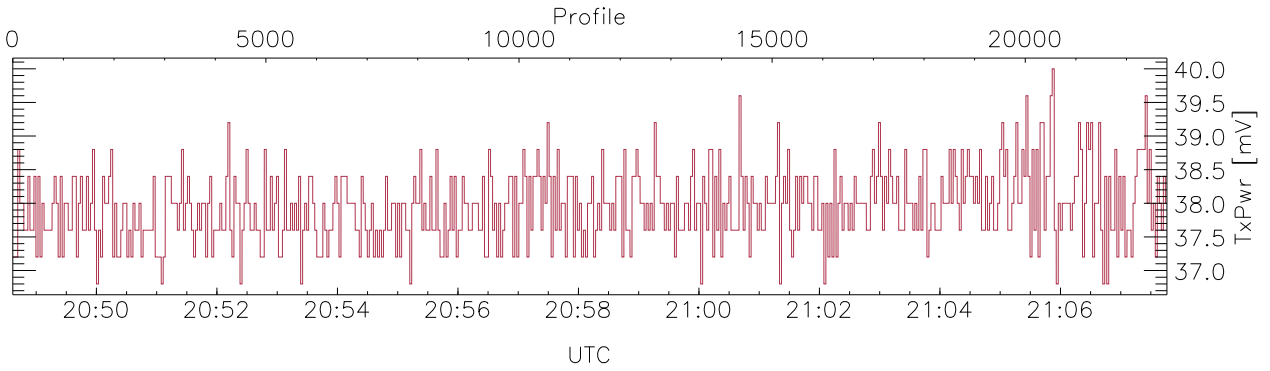
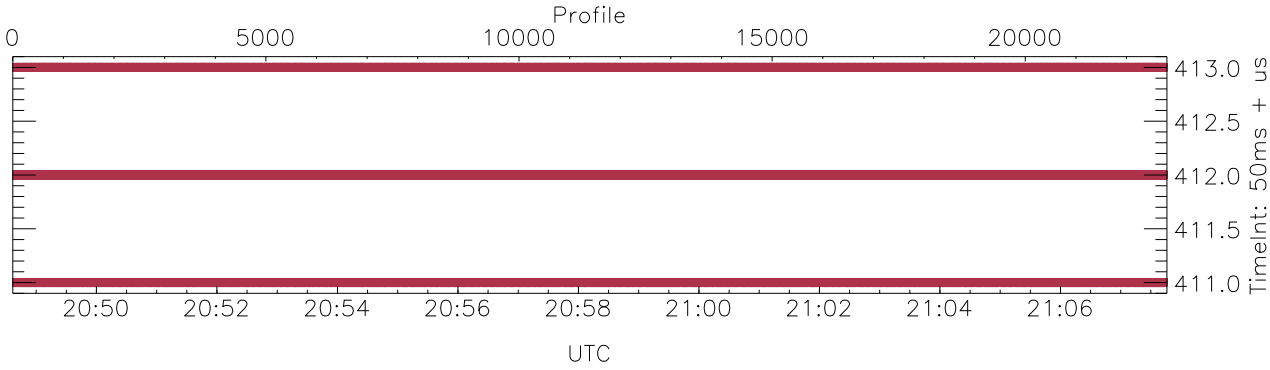
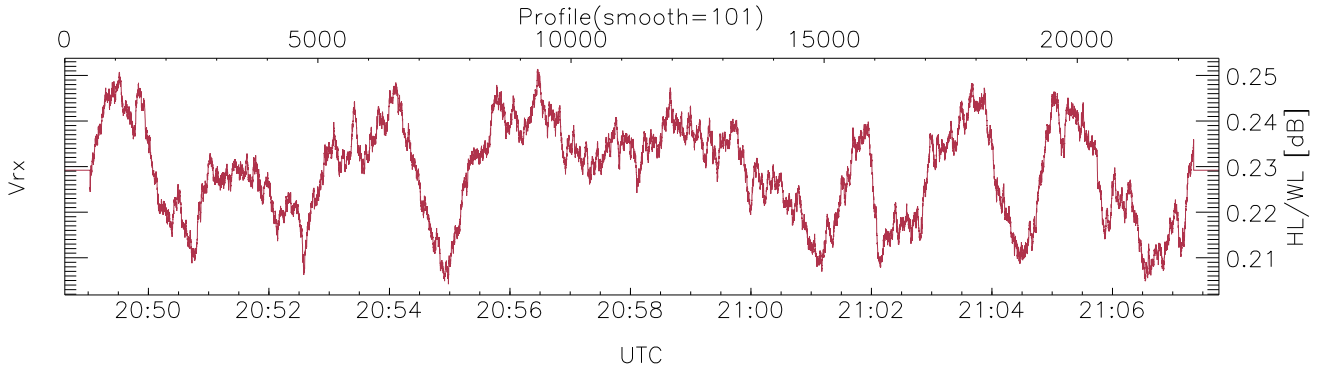
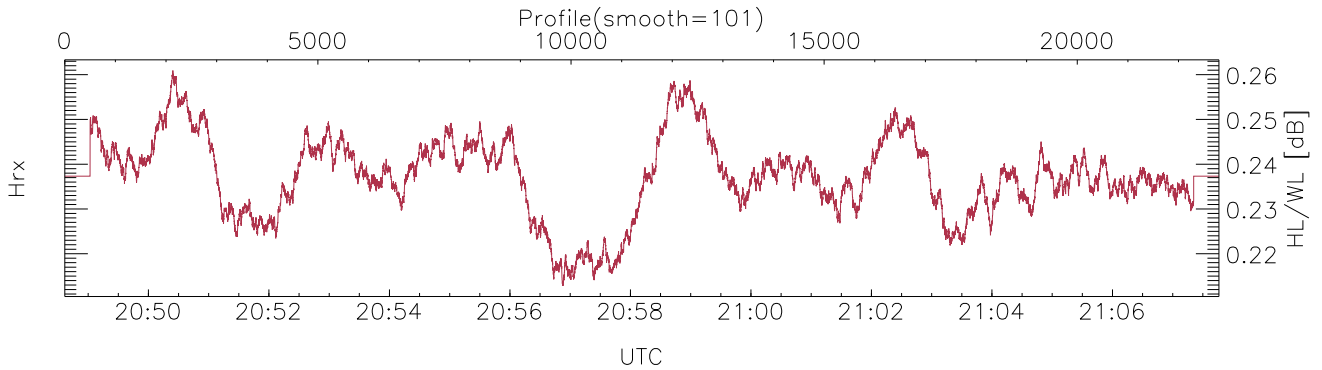


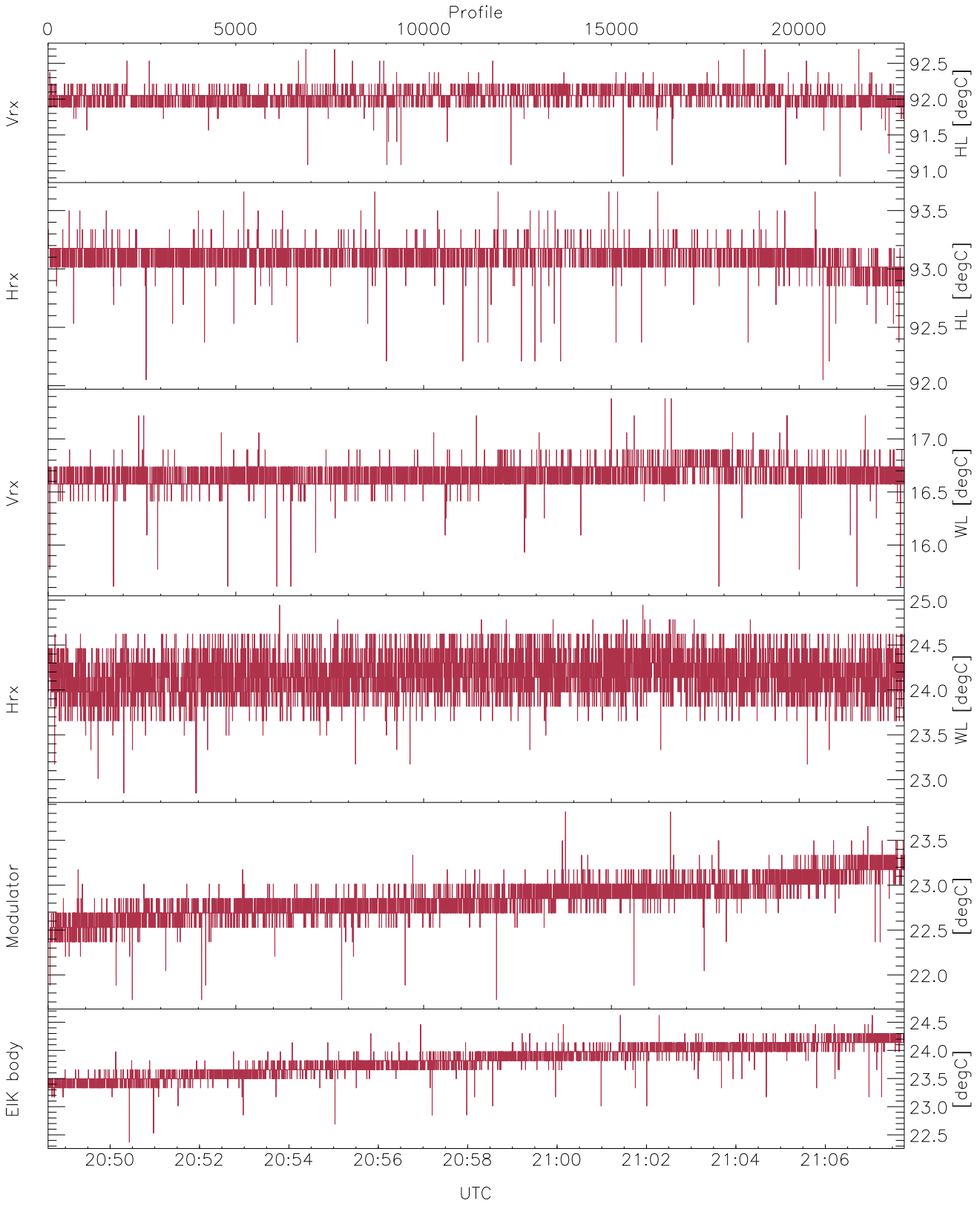



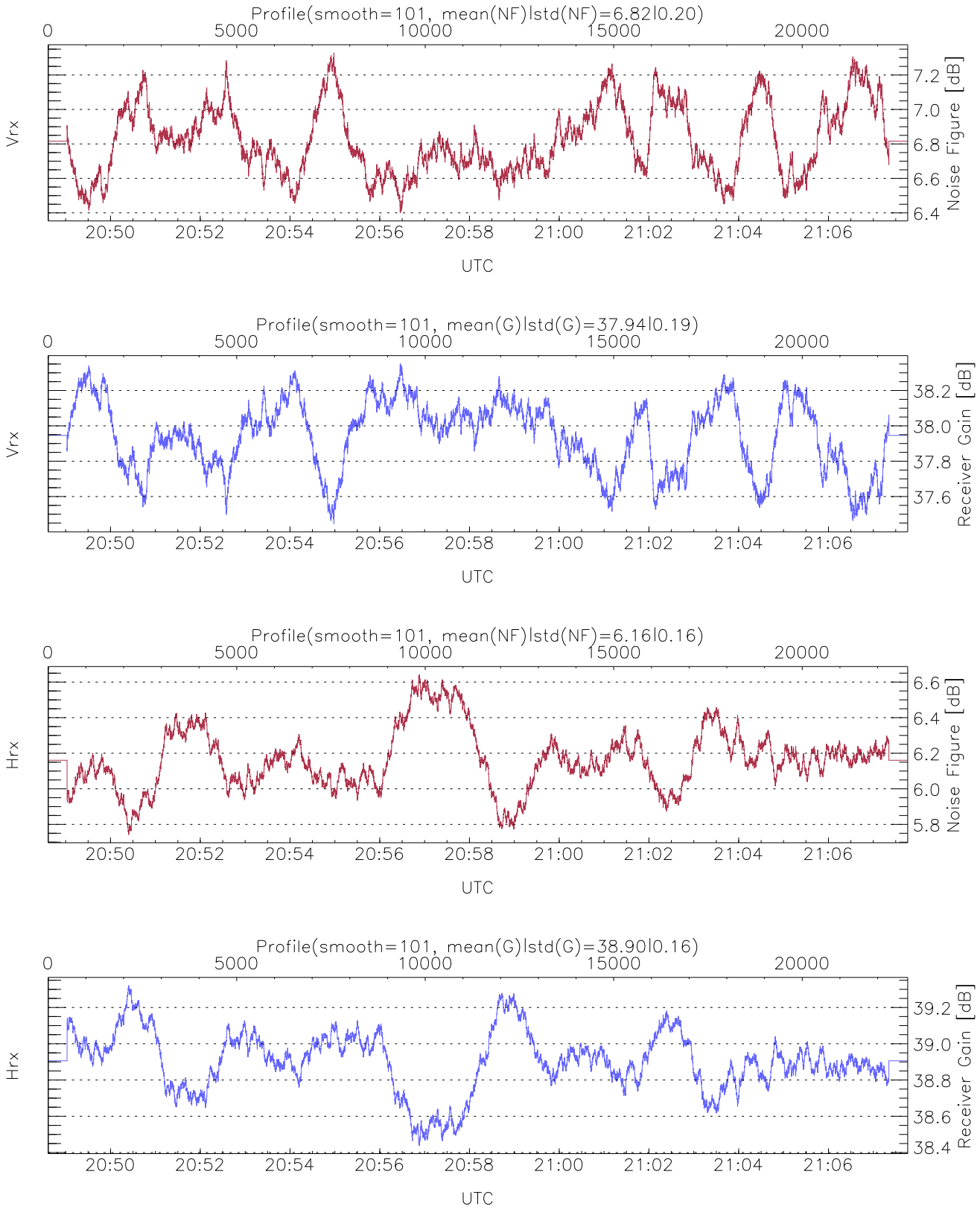

## WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 20:48:37-21:17:59, Dur: 1762.53s
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): 22800/34963, 0-22799/20:48:37-21:07:46
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,rgs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1



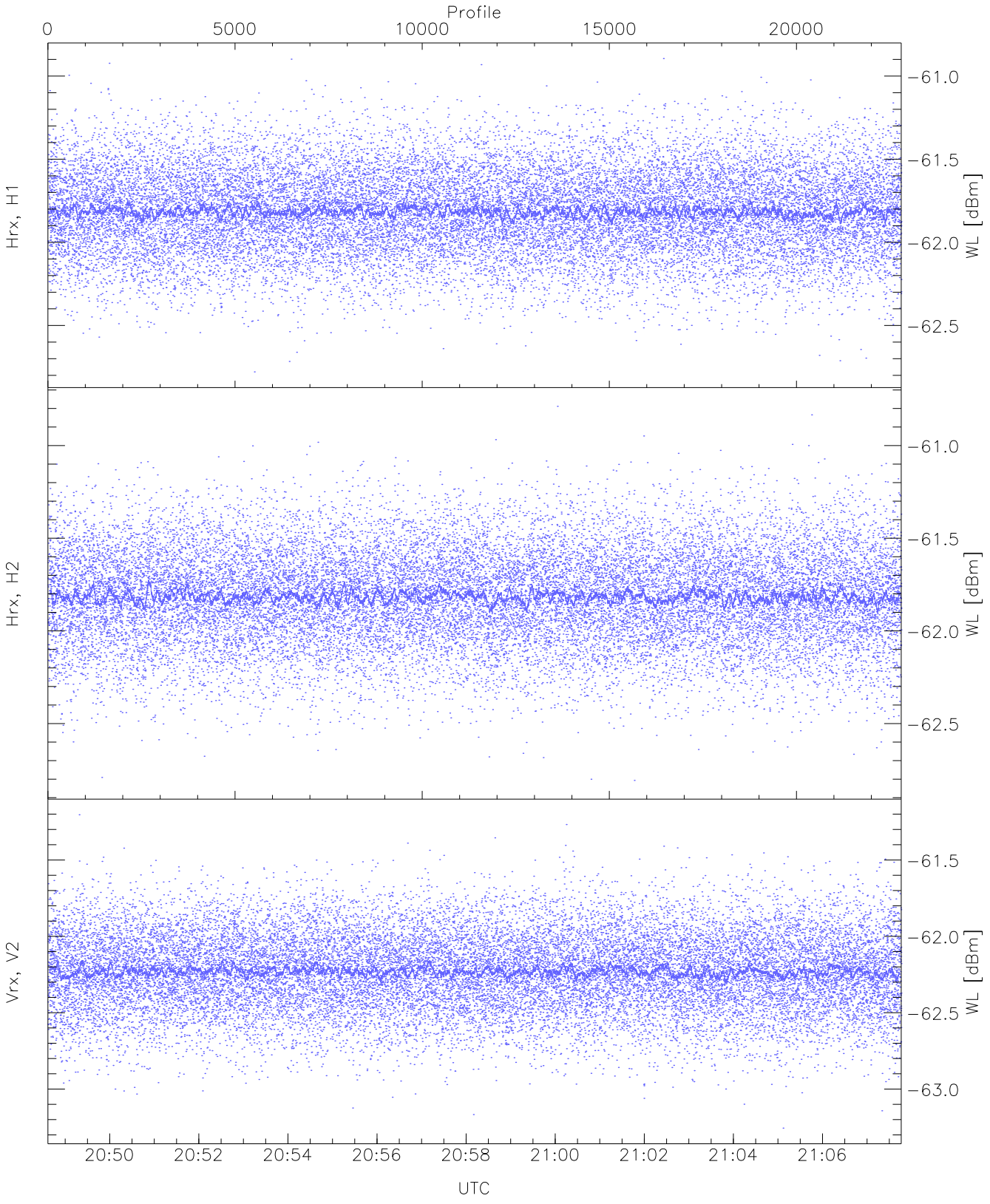

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,15,22,21,22
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,17,24,23,24
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (5,5,5,5,5,16)



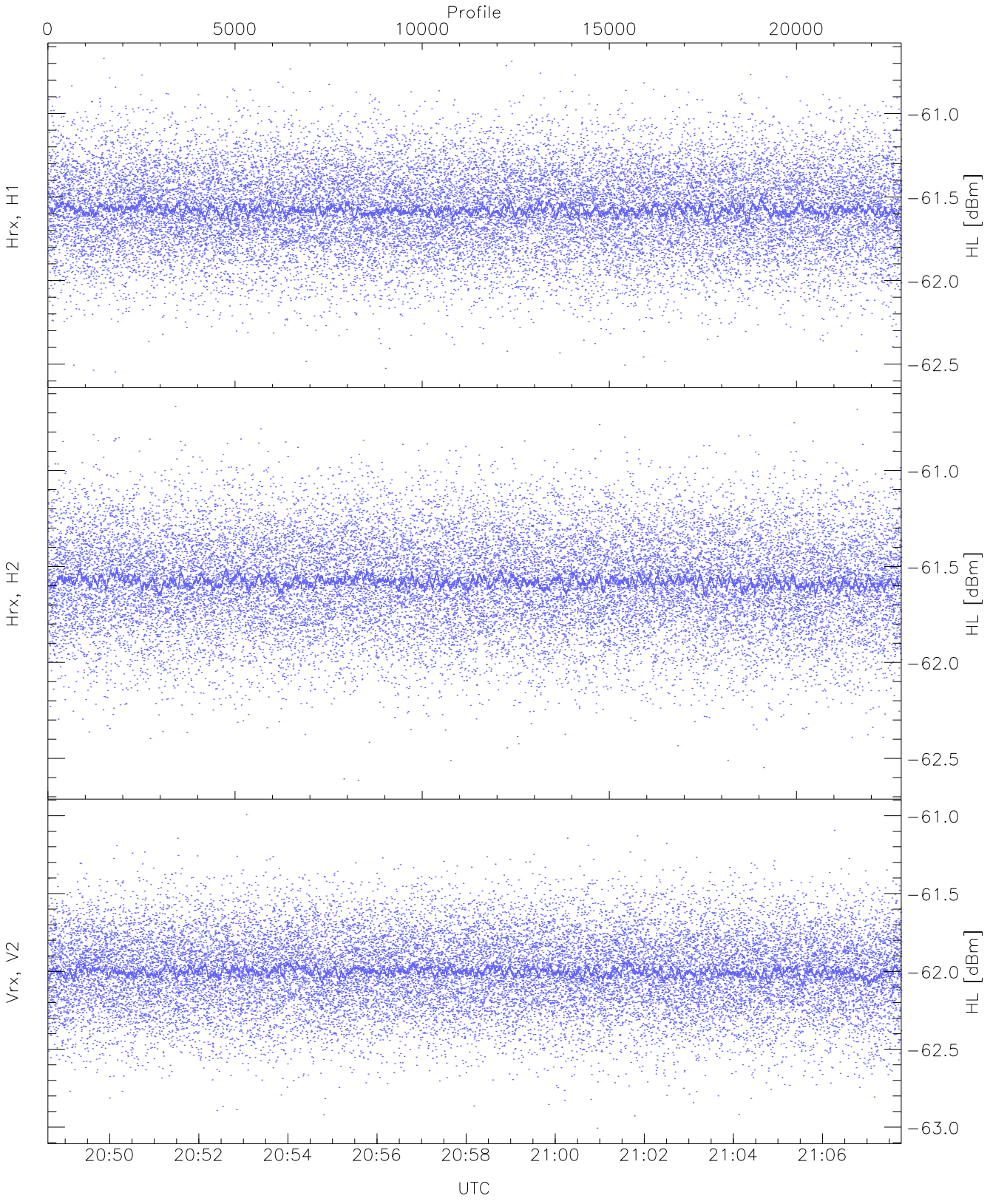

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 913 pixs, 20 gates, 883 profs, 1 prods



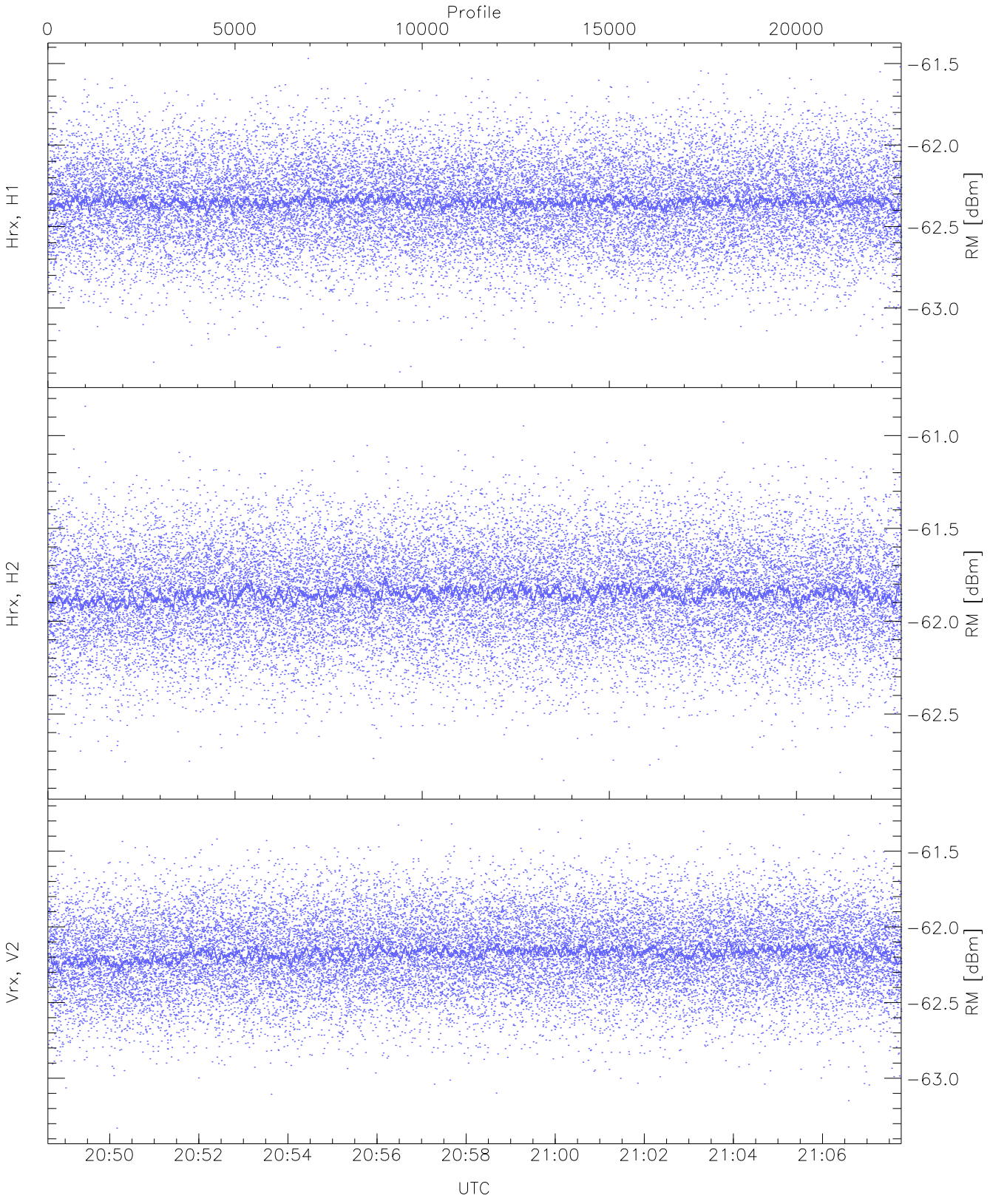

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -62.78 | -60.89 | -61.81 | -61.82 | -74.42 |
| Hrx, H2(WL [dBm]) | -62.81 | -60.79 | -61.81 | -61.81 | -74.37 |
| Vrx, V2(WL [dBm]) | -63.26 | -61.20 | -62.23 | -62.23 | -74.76 |



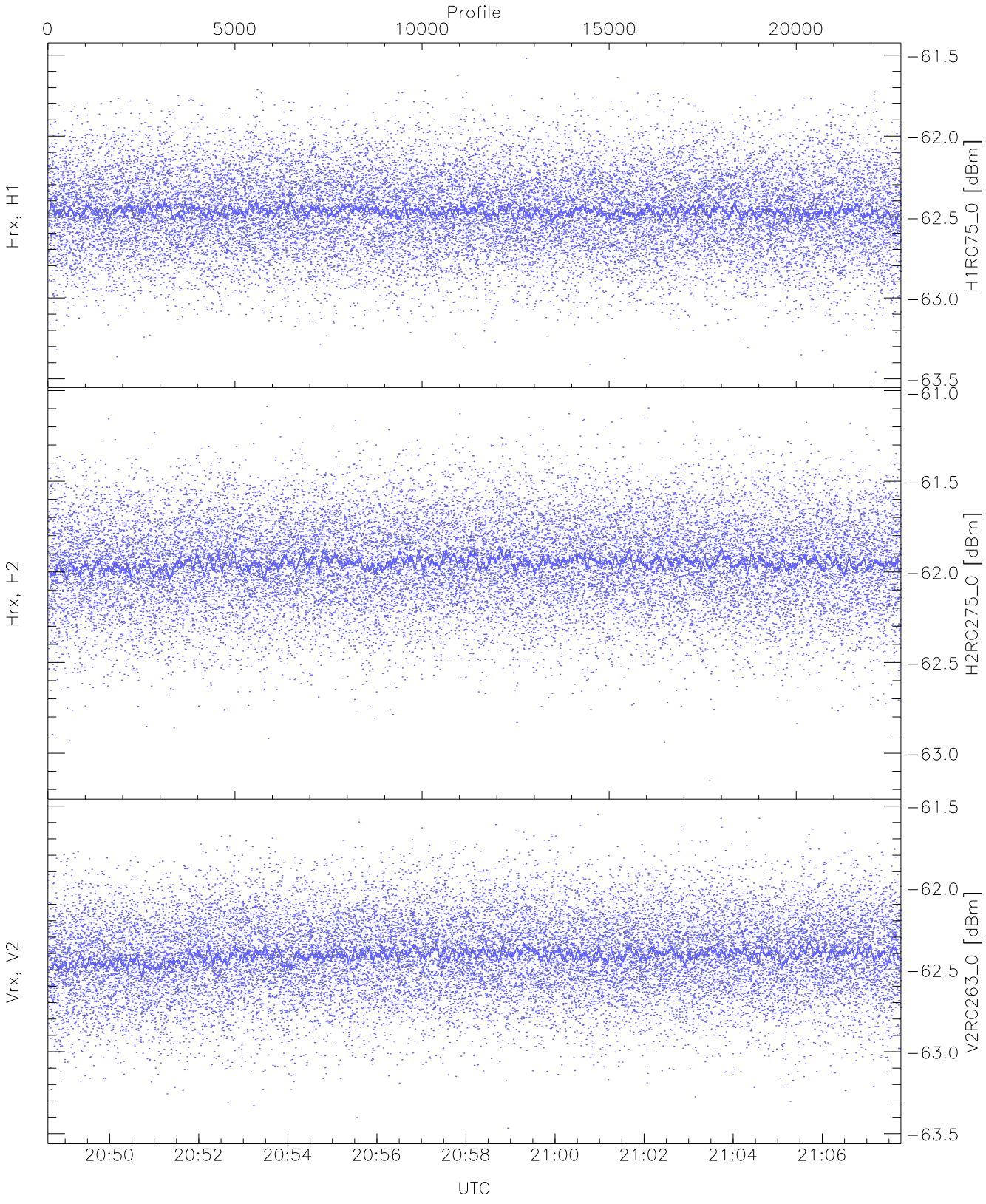

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -62.55 | -60.67 | -61.57 | -61.58 | -74.13 |
| Hrx, H2(HL [dBm]) | -62.61 | -60.67 | -61.58 | -61.58 | -74.15 |
| Vrx, V2(HL [dBm]) | -63.01 | -60.99 | -62.00 | -62.00 | -74.55 |



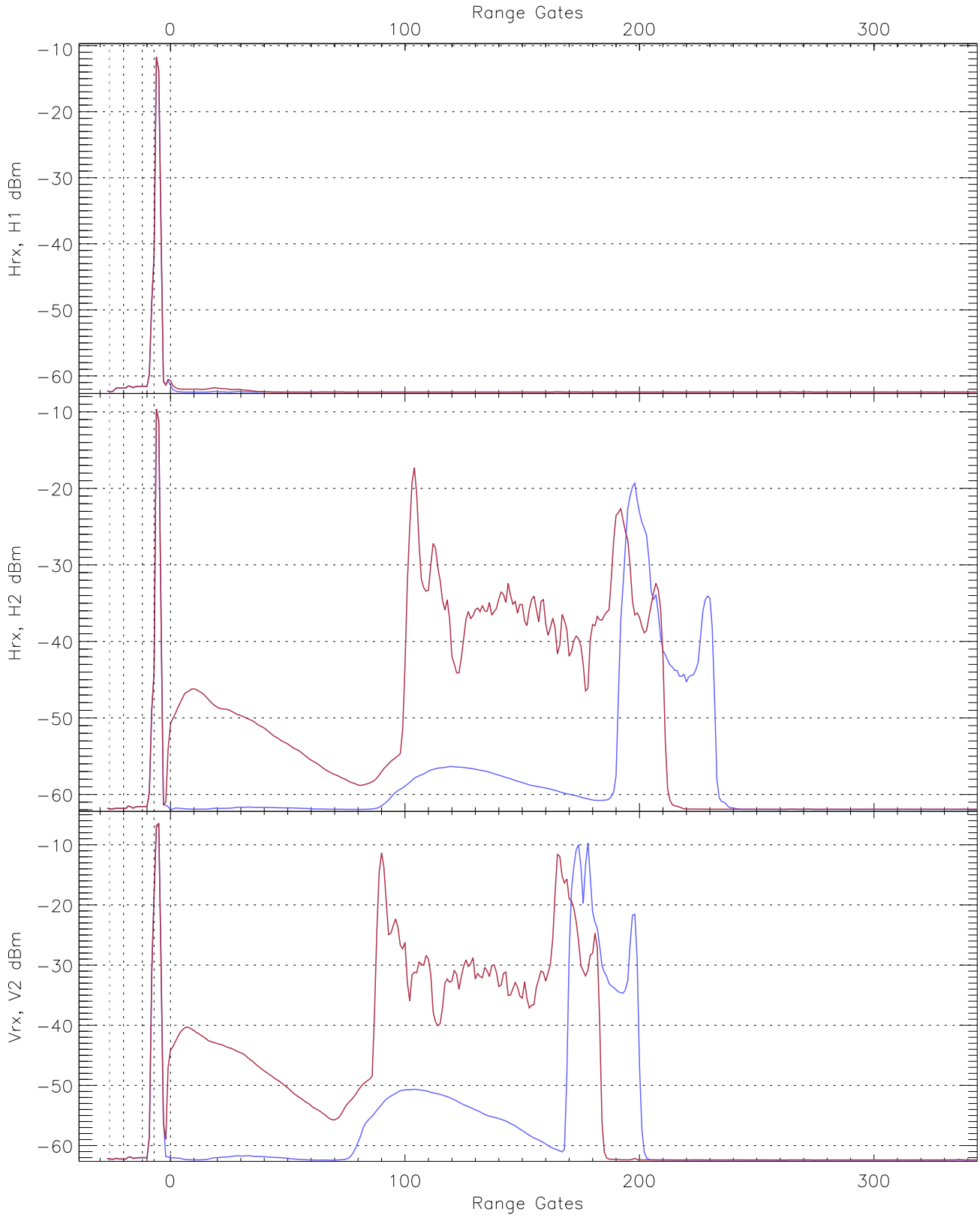

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -63.39 | -61.47 | -62.35 | -62.35 | -74.93 |
| Hrx, H2(RM [dBm]) | -62.86 | -60.84 | -61.85 | -61.85 | -74.41 |
| Vrx, V2(RM [dBm]) | -63.33 | -61.26 | -62.17 | -62.18 | -74.69 |

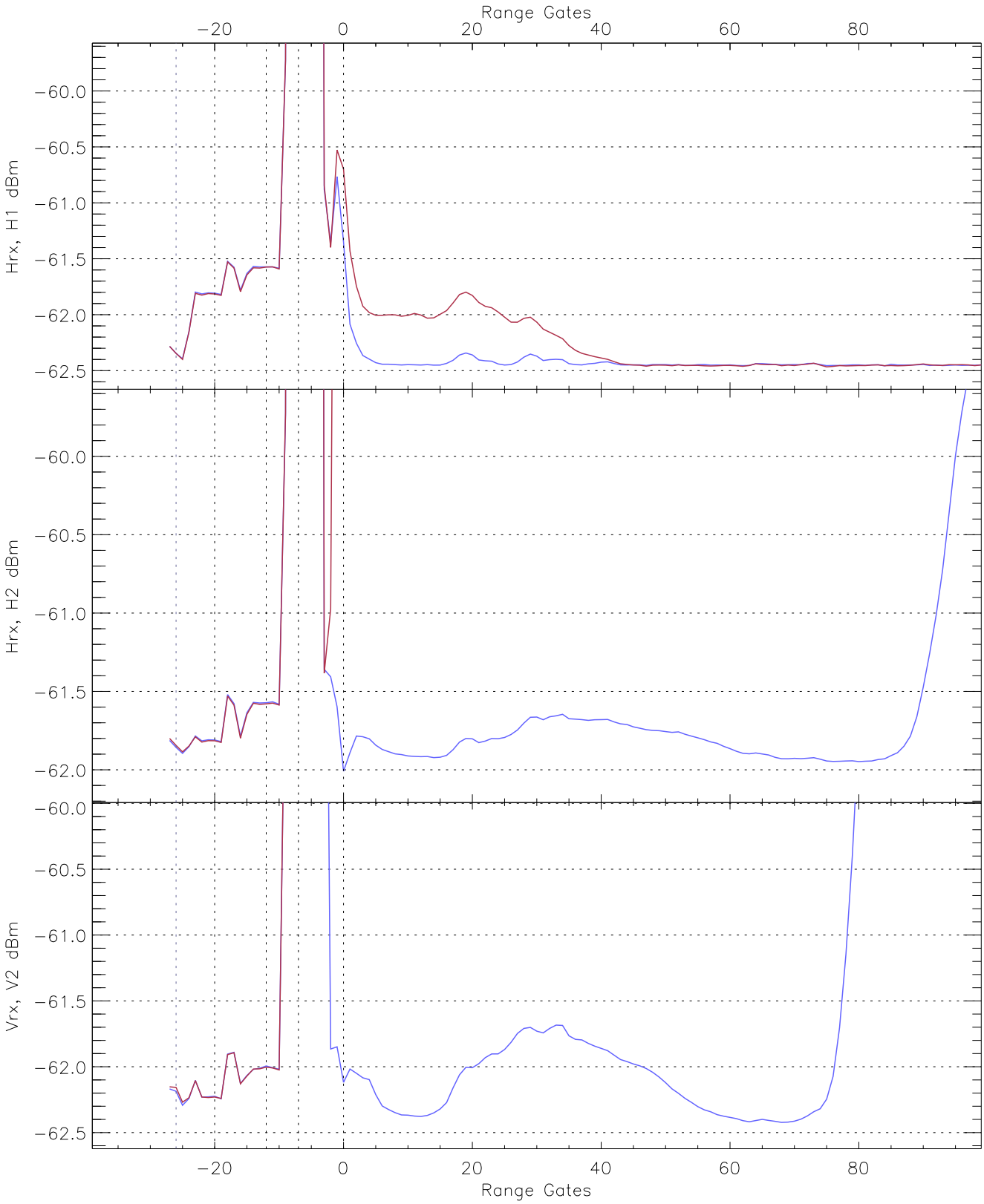



WCR2 CPP "Best" estimate Receivers Noise Power

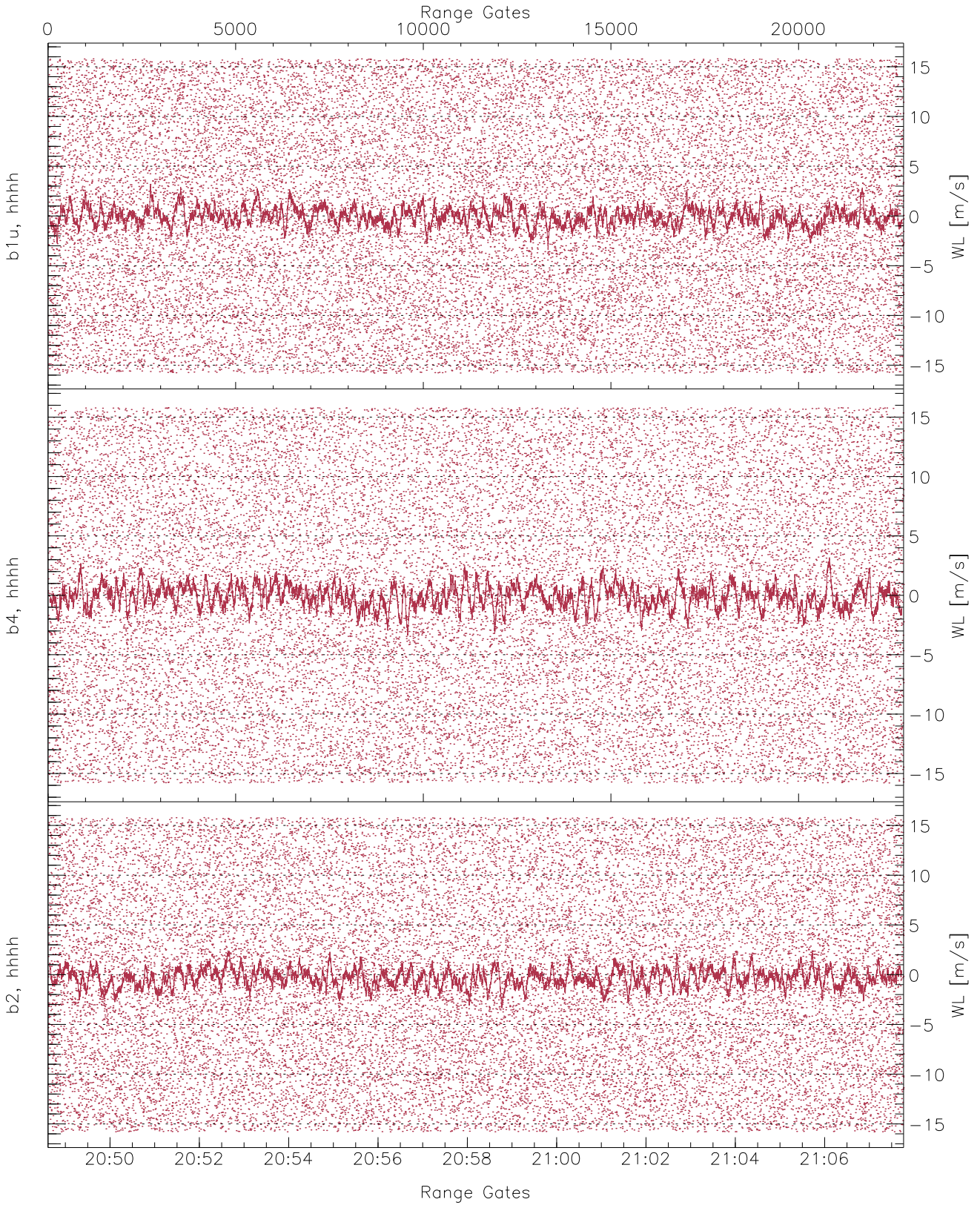
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG75_0 [dBm] | -63.46 | -61.52 | -62.46 | -62.46 | -75.04 |
| H2RG275_0 [dBm] | -63.15 | -61.09 | -61.95 | -61.95 | -74.52 |
| V2RG263_0 [dBm] | -63.47 | -61.55 | -62.41 | -62.41 | -74.99 |



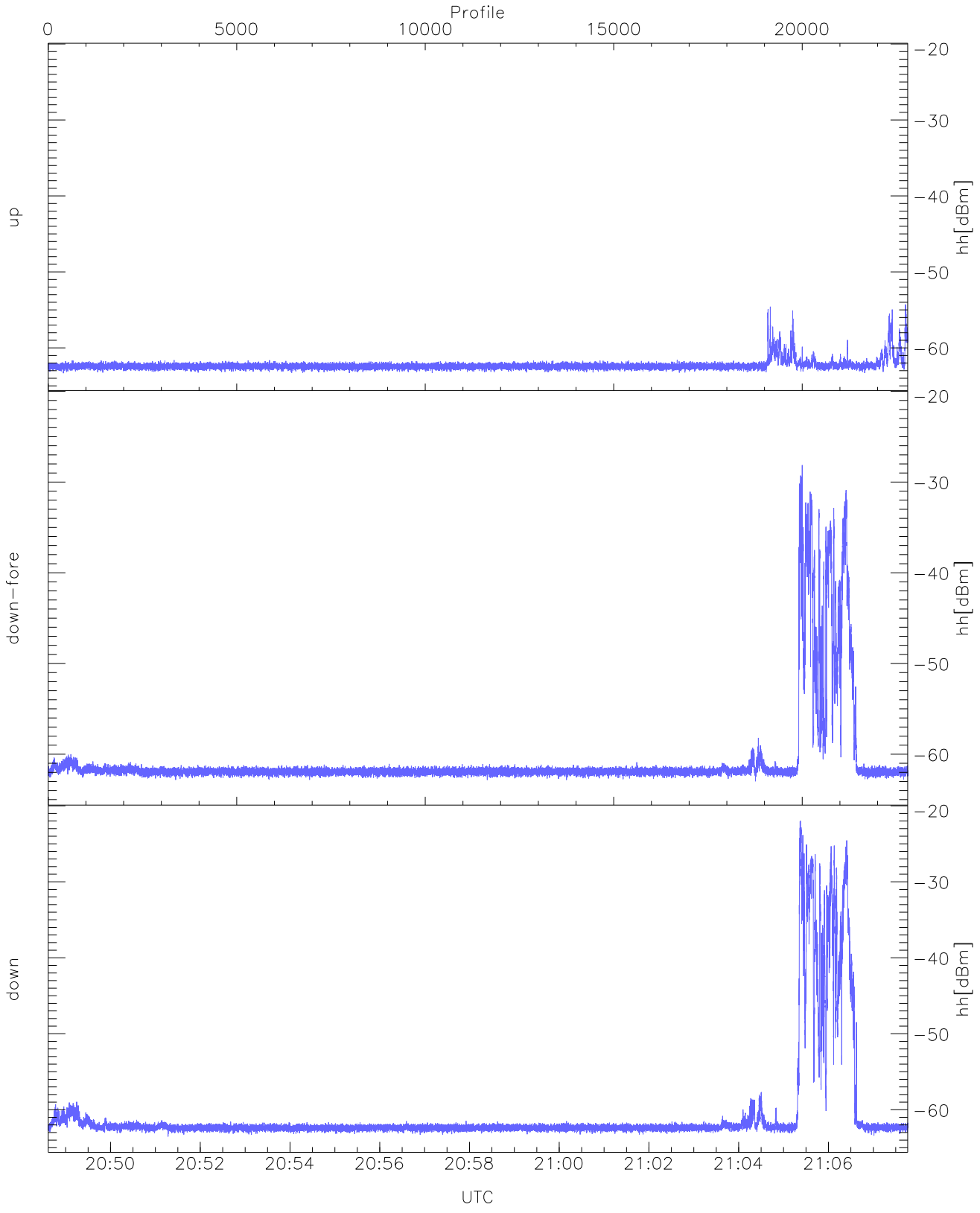

WCR2 CPP Averaged Received power for all recorded gates
blue: 204837-205811, 11401 profiles averaged
red: 205811-210746, 11400 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 204837-205811, 11401 profiles averaged
red: 205811-210746, 11400 profiles averaged

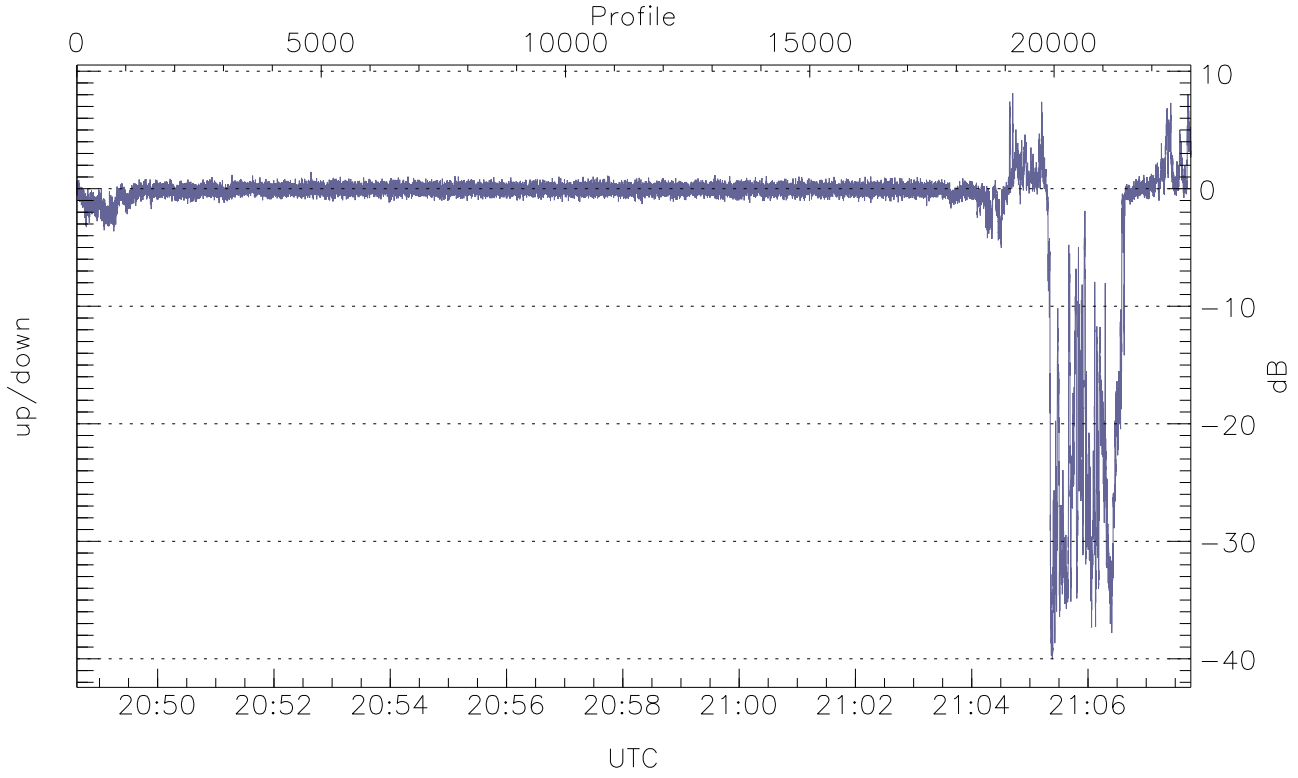


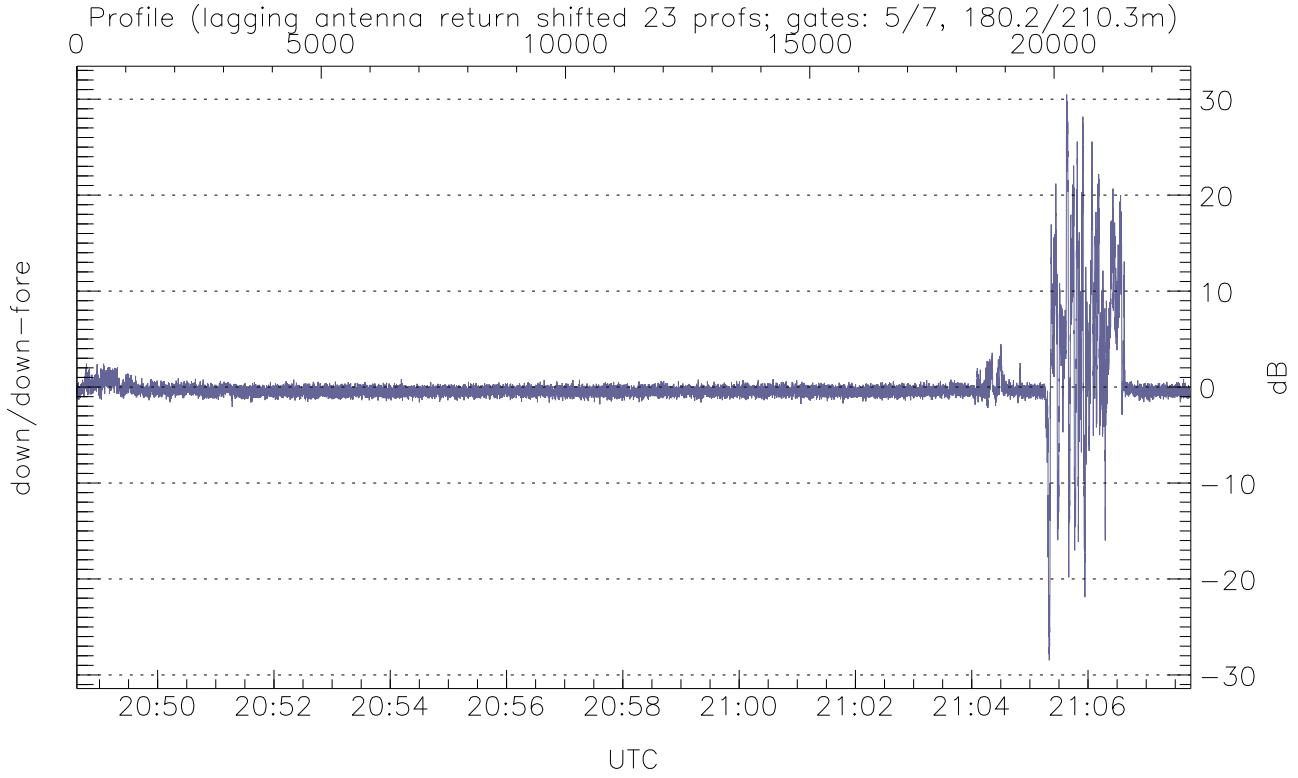

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

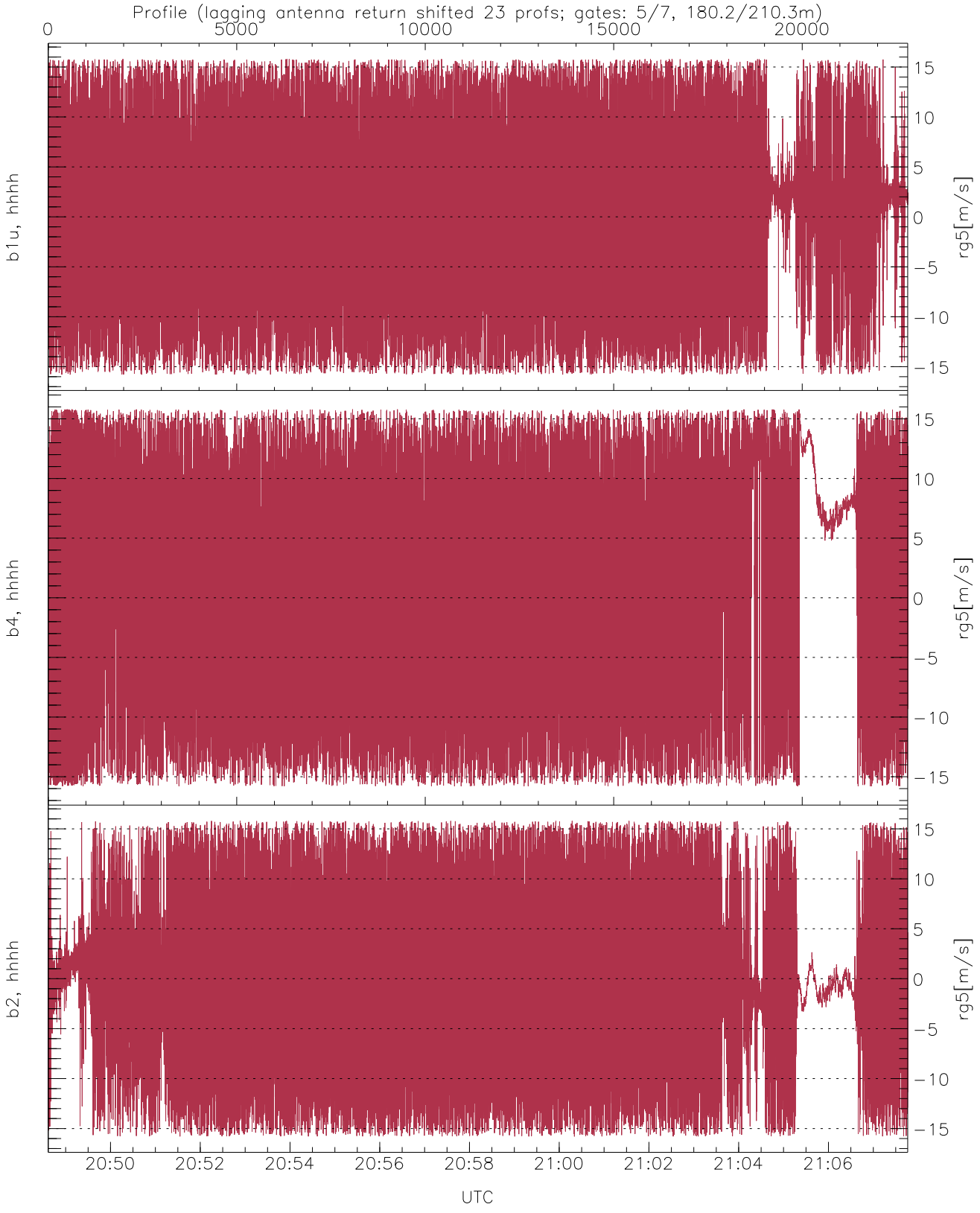
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -63.33 | -54.27 | -62.21 |
| down-fore(hh[dBm]) | -62.98 | -28.13 | -50.31 |
| down(hh[dBm]) | -63.53 | -21.98 | -43.78 |




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

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -40.02 | 8.12 | -1.67 |
| down/down-fore(dB) | -28.47 | 30.48 | 0.02 |




WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | 0.14 | 8.55 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | 1.24 | 9.32 |
| b2, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.57 | 8.15 |