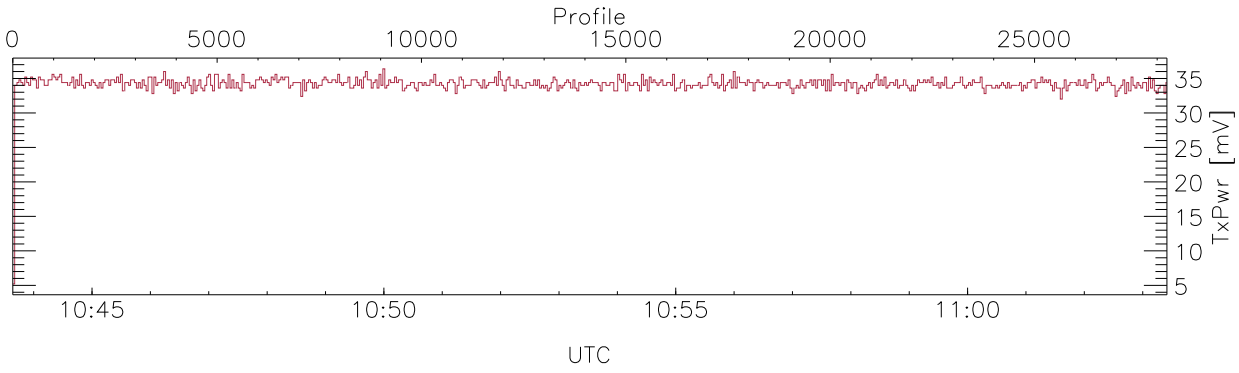
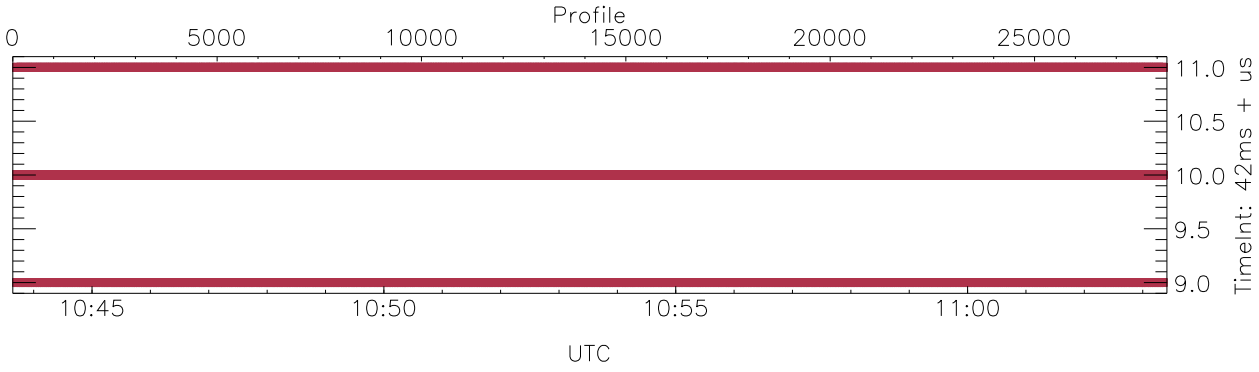
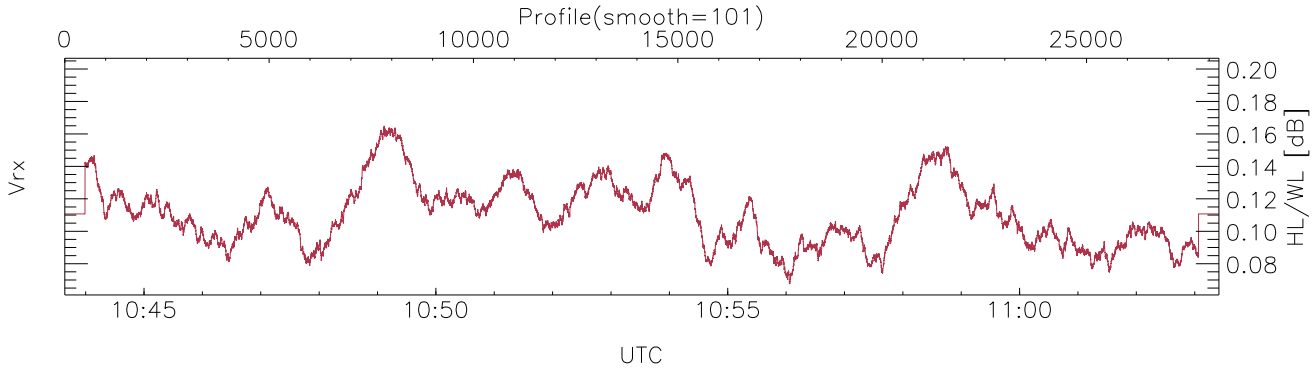
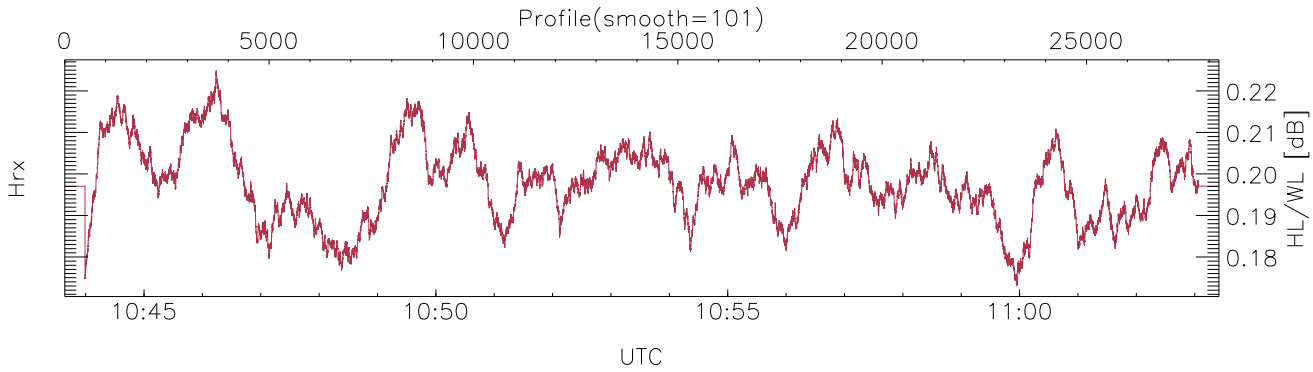


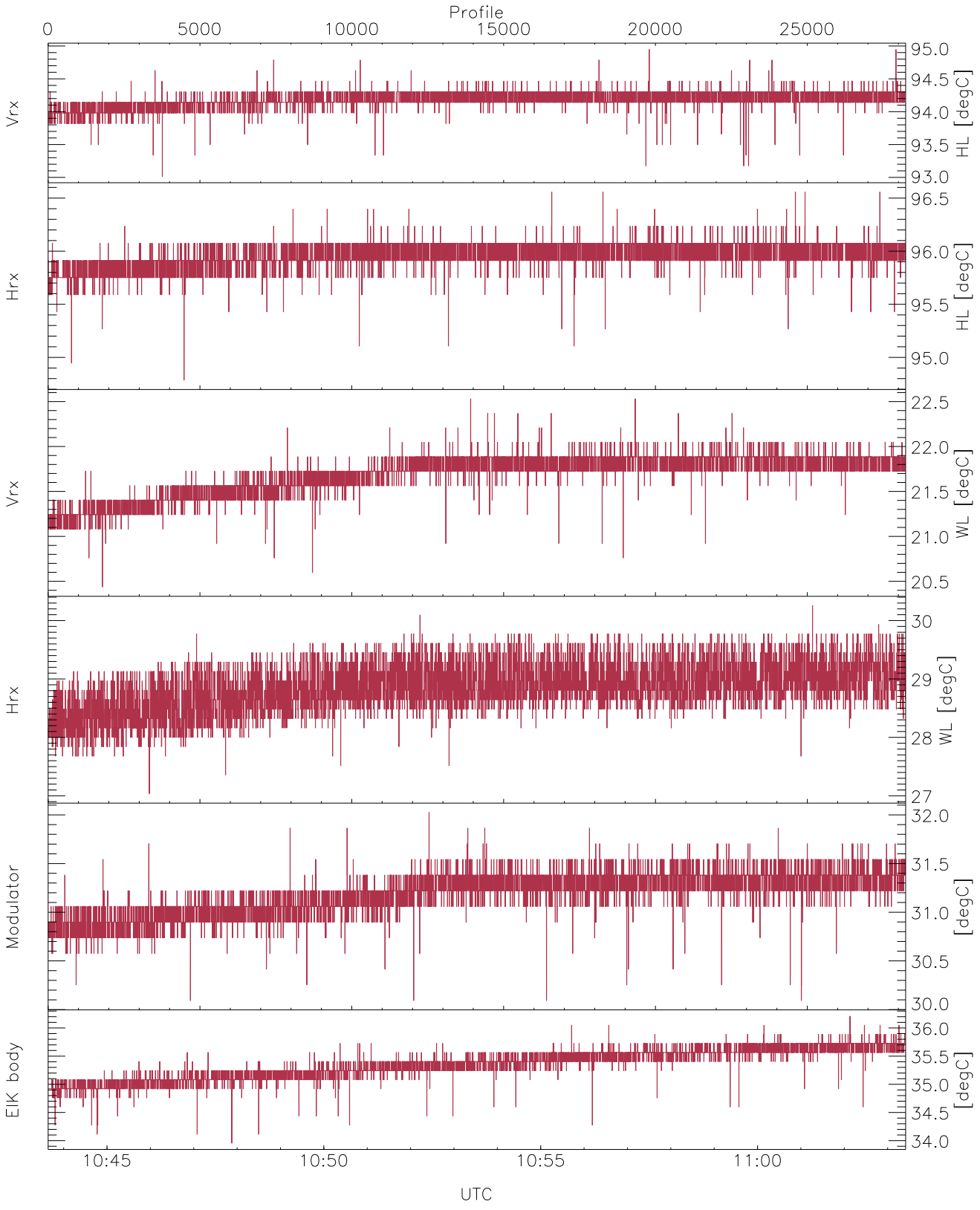



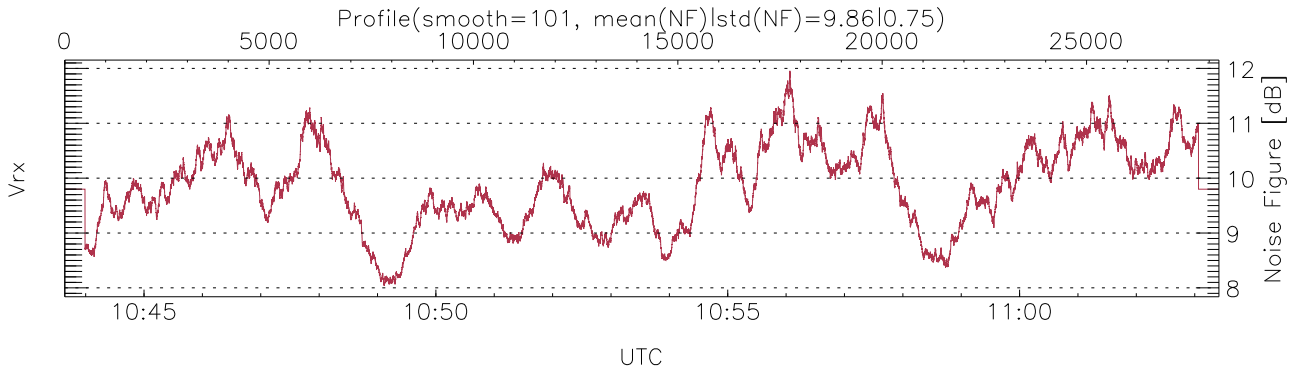

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

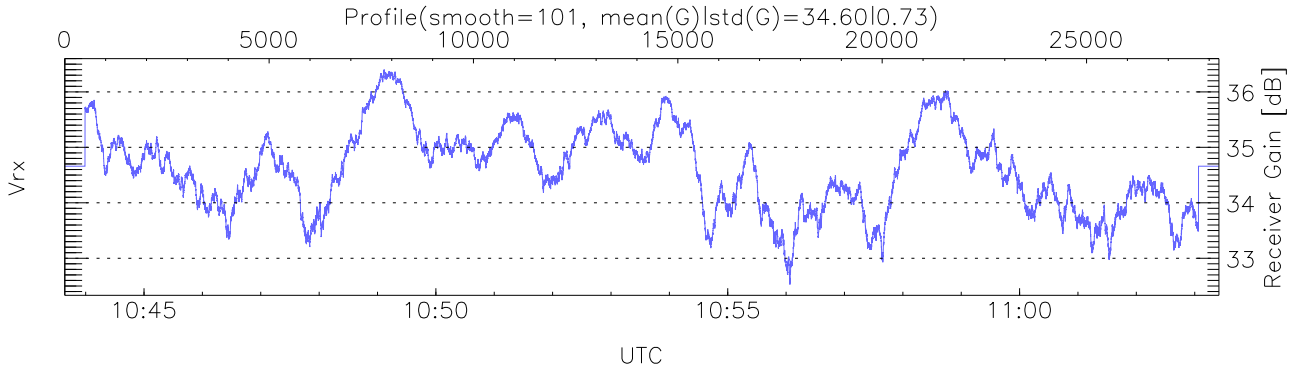
UTC: 10:43:39-11:03:25, Dur: 1186.38s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24
NumRec(r/t): 28241/28241, 0-28240/10:43:39-11:03:25
AcqTime: 42.0ms, Rate: 377KB/s, Averages: 140
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,6187,15.0 m, Gates: 406, Aspect: 4.0
Mirror(-9|0|1|2,3,9x)=no mirror|sideluplerror): 1

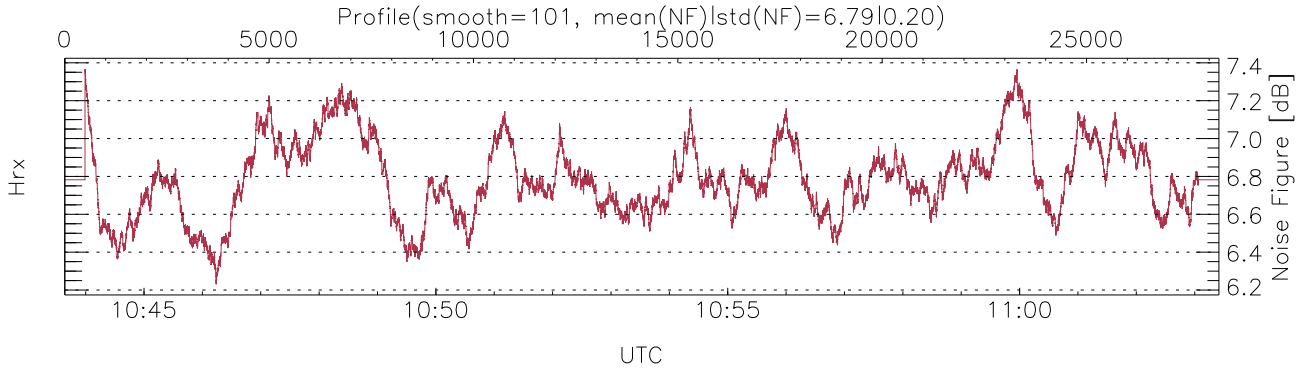


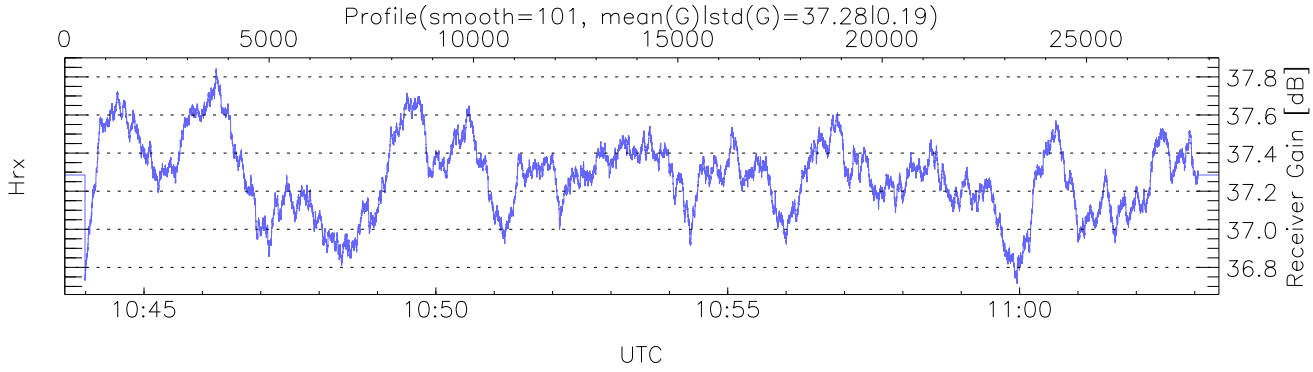

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,20,27,30,33
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,22,30,32,36
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK/Modulator Faults: None



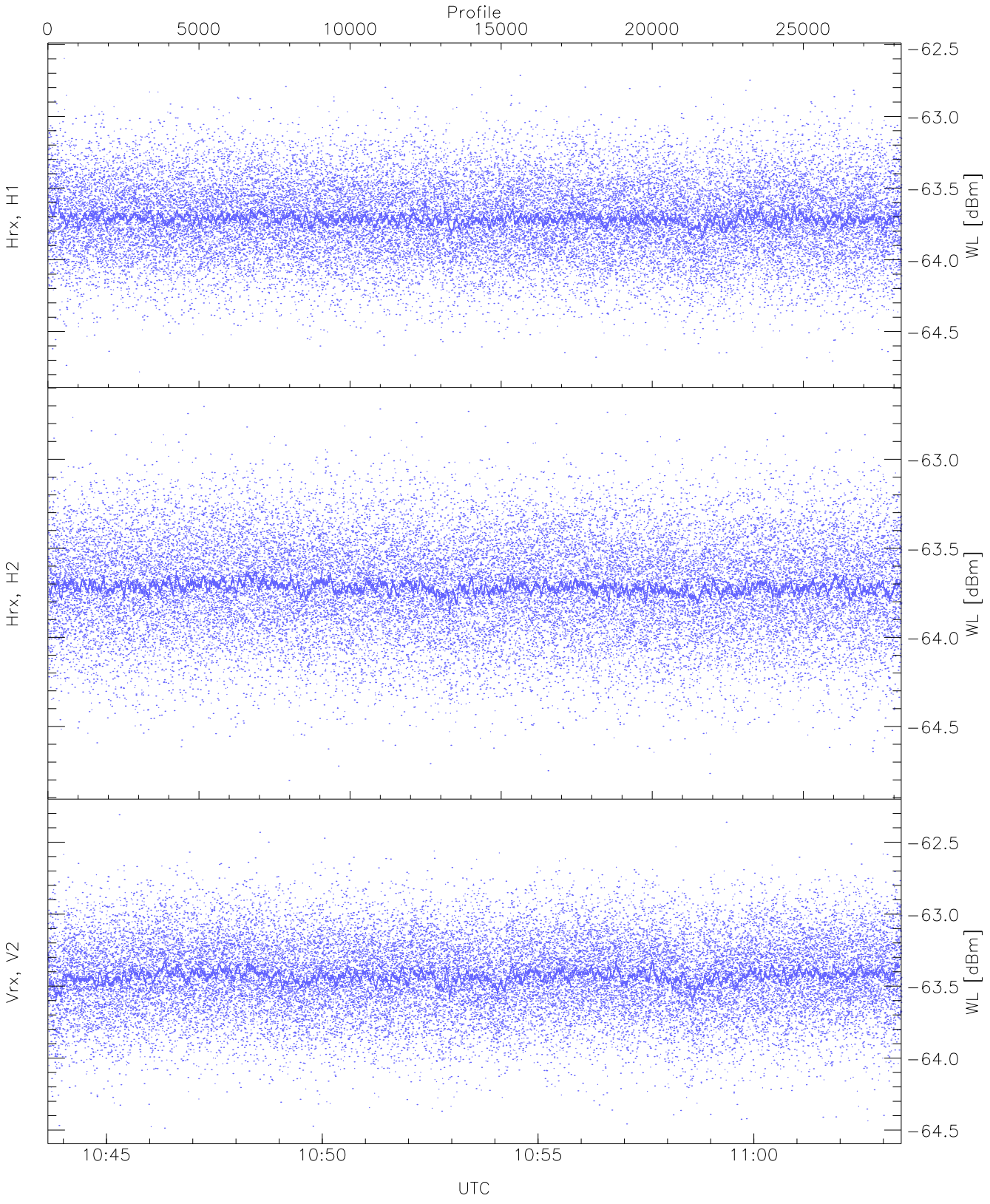



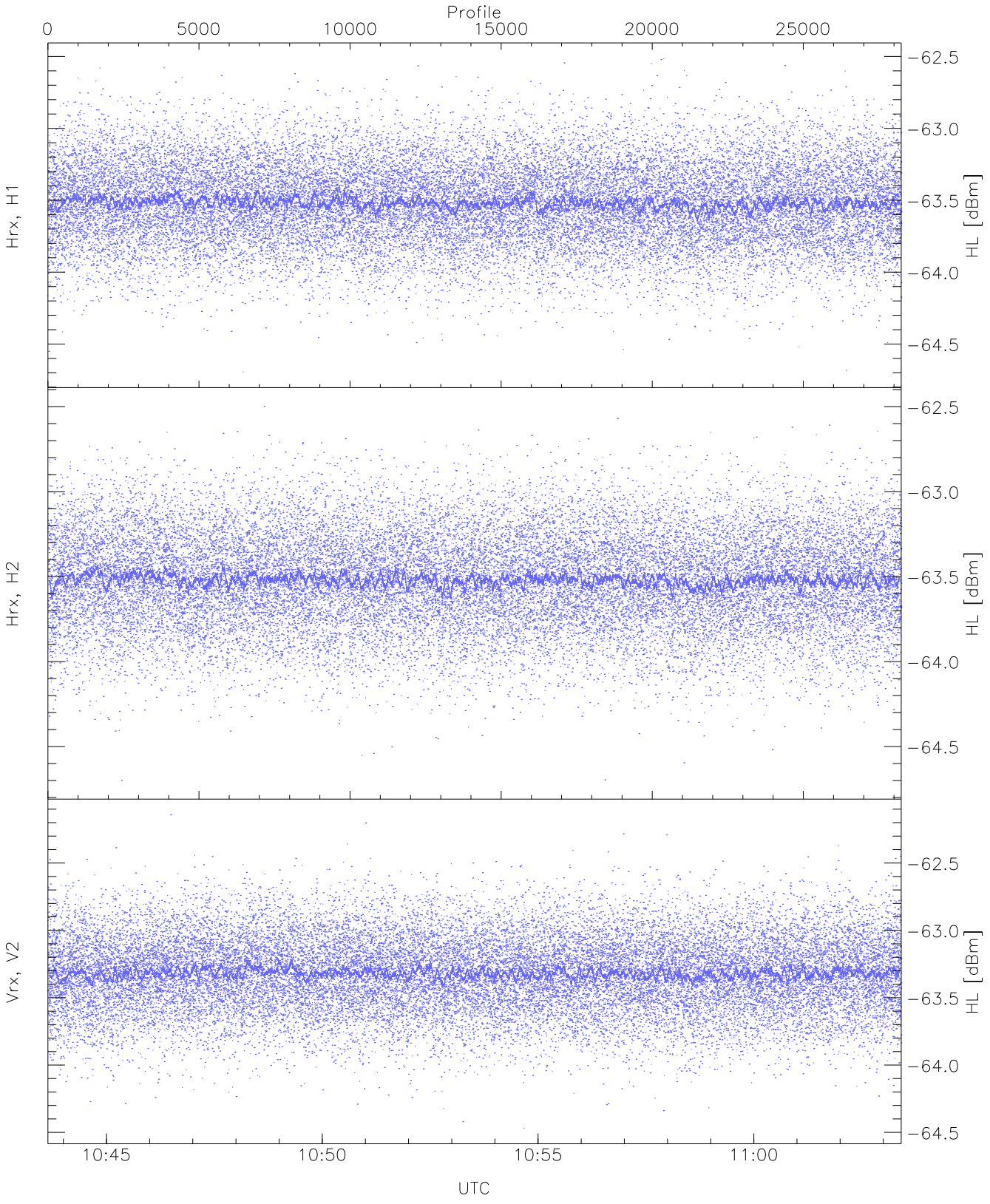

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 5197 pixs, 19 gates, 3404 profs, 3 prods



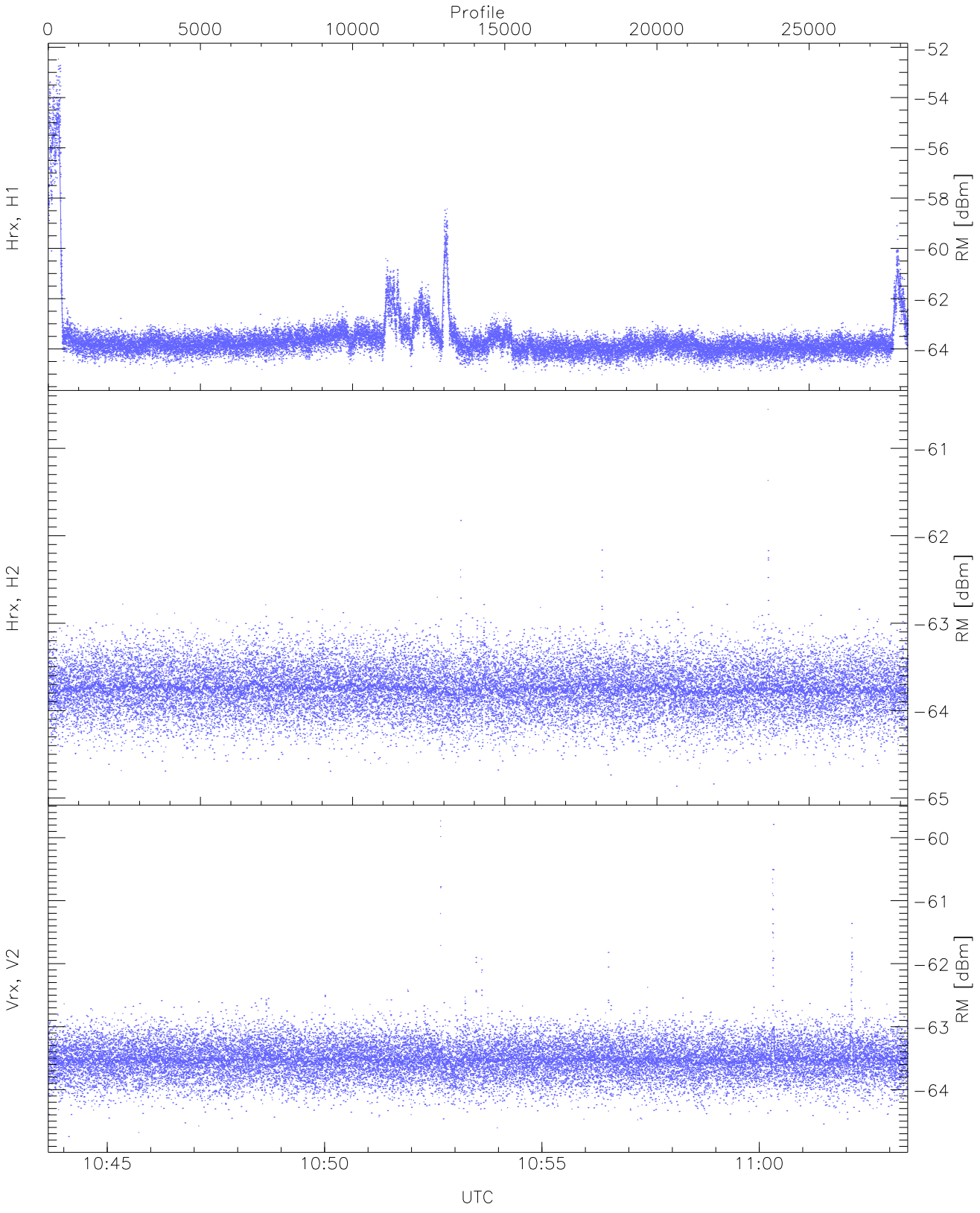

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -64.78 | -62.60 | -63.71 | -63.72 | -75.83 |
| Hrx, H2(WL [dBm]) | -64.80 | -62.70 | -63.71 | -63.72 | -75.81 |
| Vrx, V2(WL [dBm]) | -64.49 | -62.31 | -63.43 | -63.43 | -75.56 |



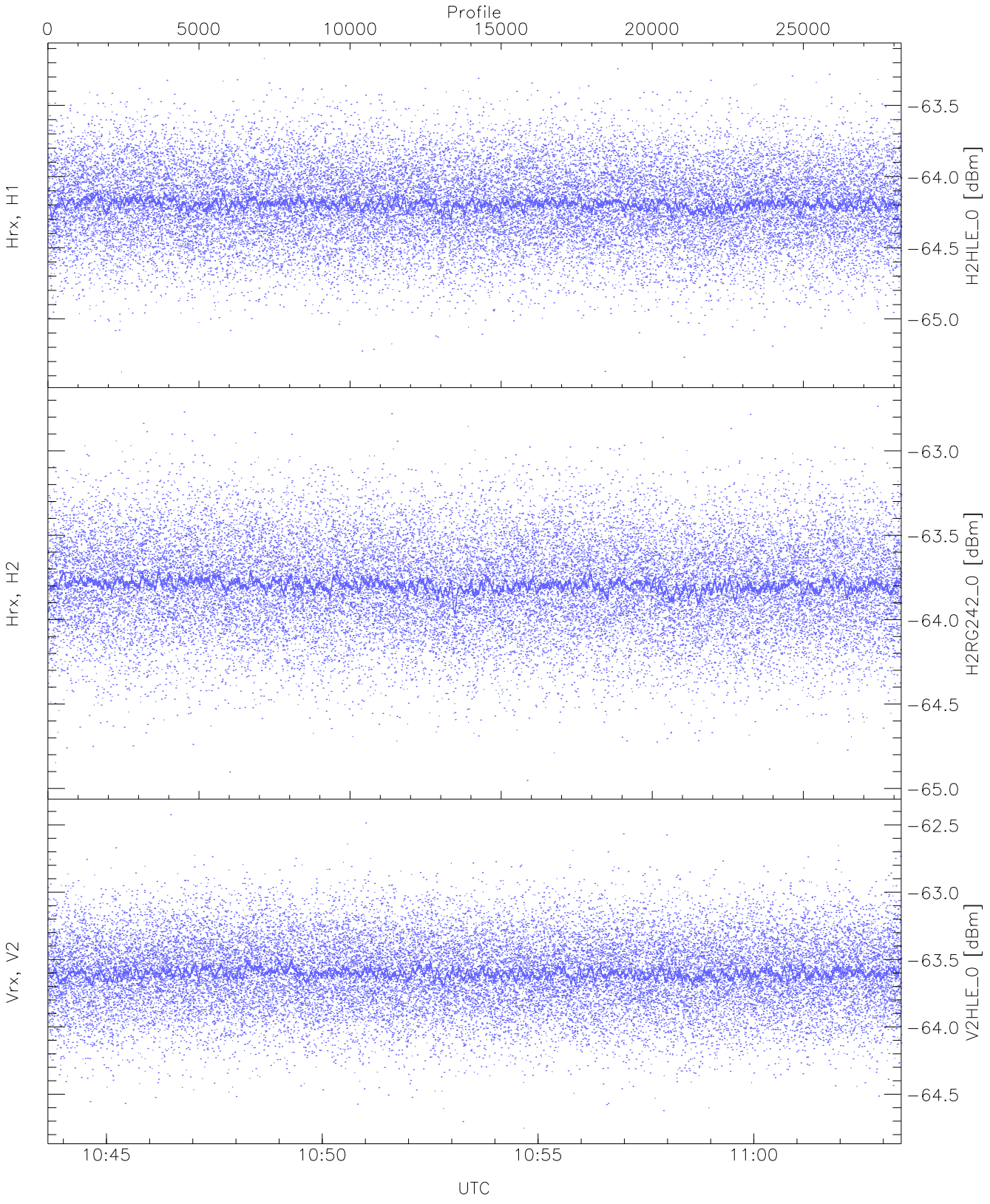

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -64.69 | -62.51 | -63.51 | -63.52 | -75.63 |
| Hrx, H2(HL [dBm]) | -64.70 | -62.50 | -63.51 | -63.52 | -75.65 |
| Vrx, V2(HL [dBm]) | -64.47 | -62.14 | -63.31 | -63.32 | -75.45 |



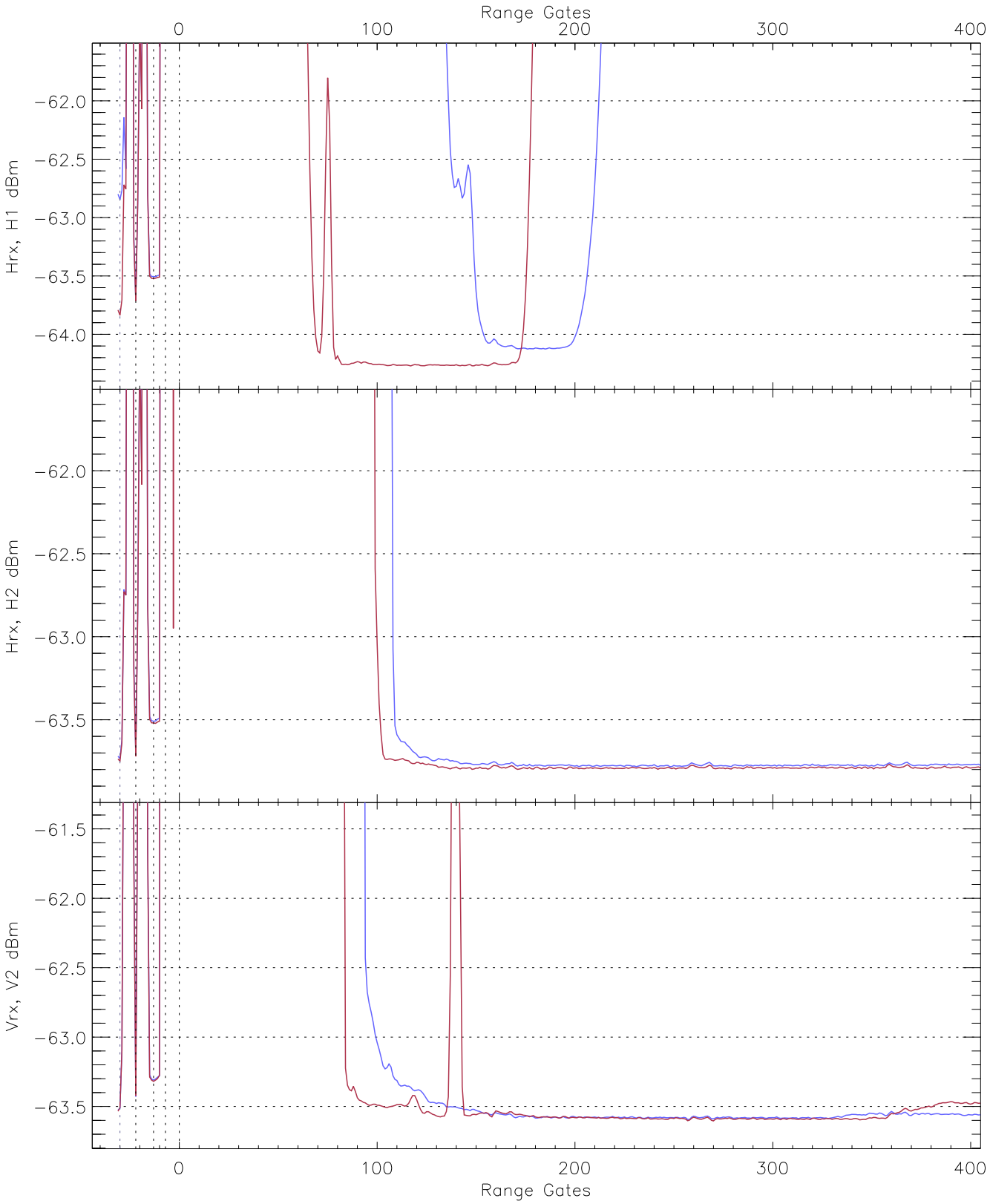

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -65.02 | -52.47 | -63.31 | -63.80 | -64.92 |
| Hrx, H2(RM [dBm]) | -64.86 | -60.55 | -63.74 | -63.75 | -75.81 |
| Vrx, V2(RM [dBm]) | -64.74 | -59.73 | -63.51 | -63.52 | -75.16 |

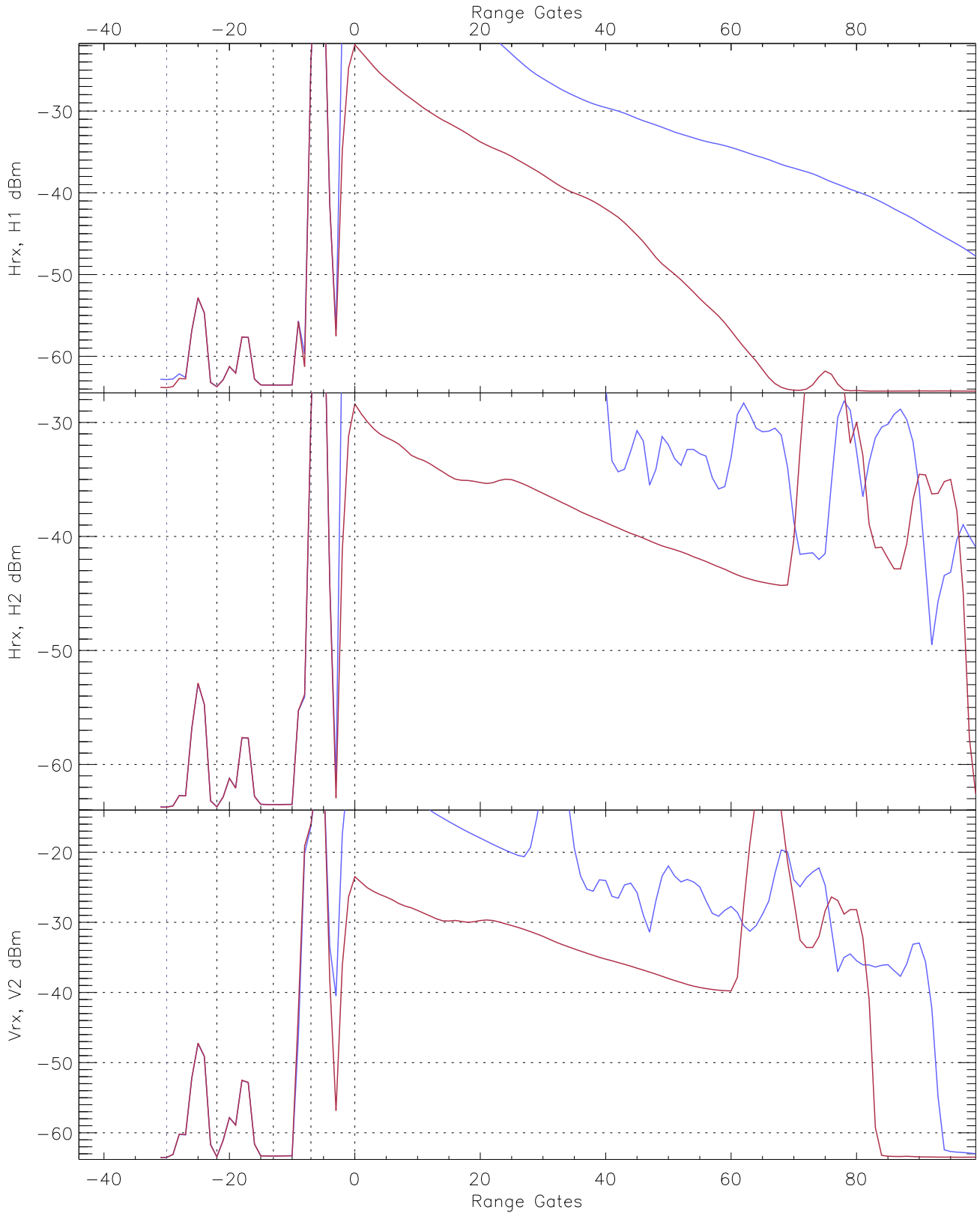



WCR2 CPP "Best" estimate Receivers Noise Power

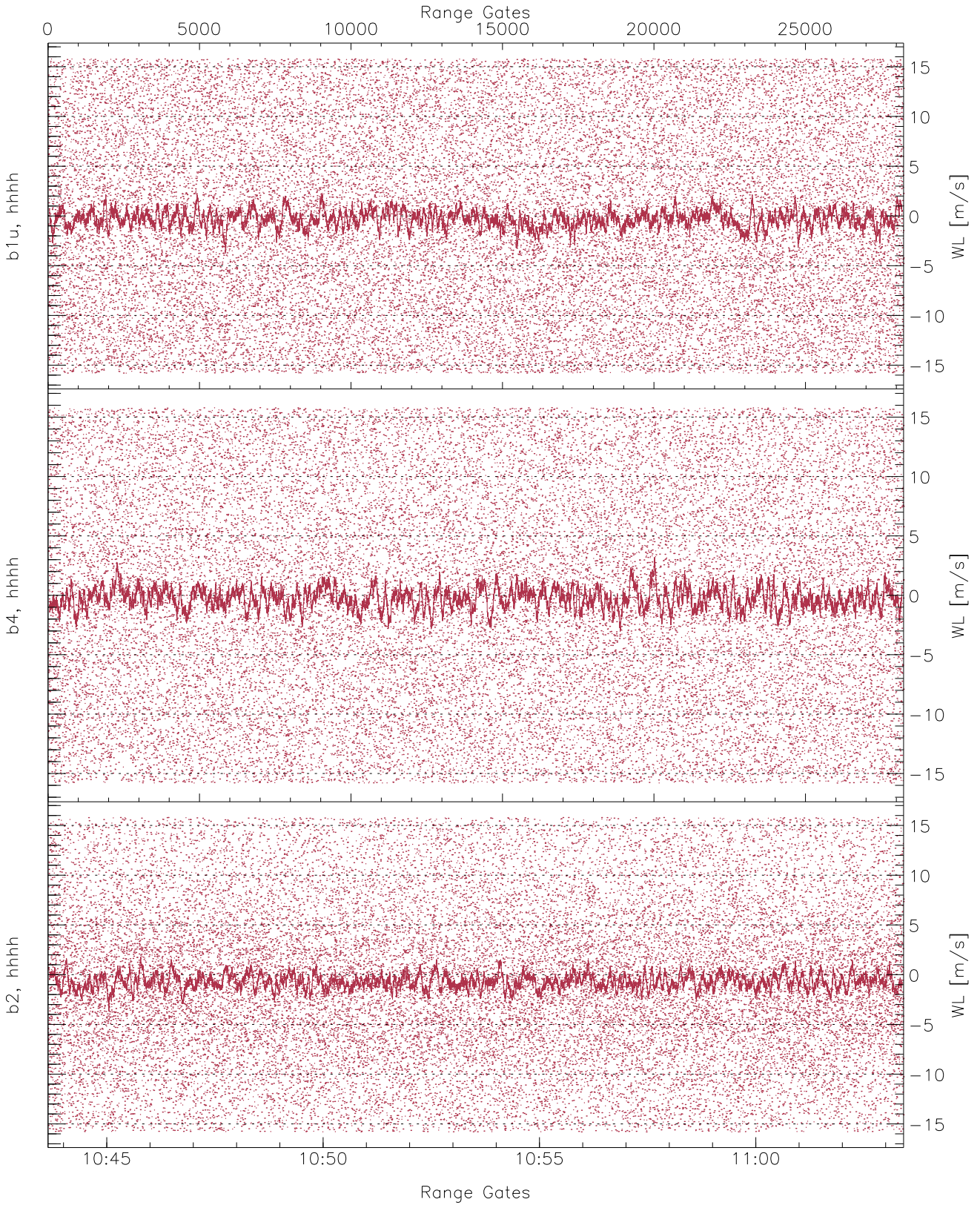
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H2HLE_0 [dBm] | -65.37 | -63.17 | -64.19 | -64.19 | -76.32 |
| H2RG242_0 [dBm] | -64.95 | -62.74 | -63.79 | -63.80 | -75.93 |
| V2HLE_0 [dBm] | -64.75 | -62.43 | -63.60 | -63.60 | -75.74 |



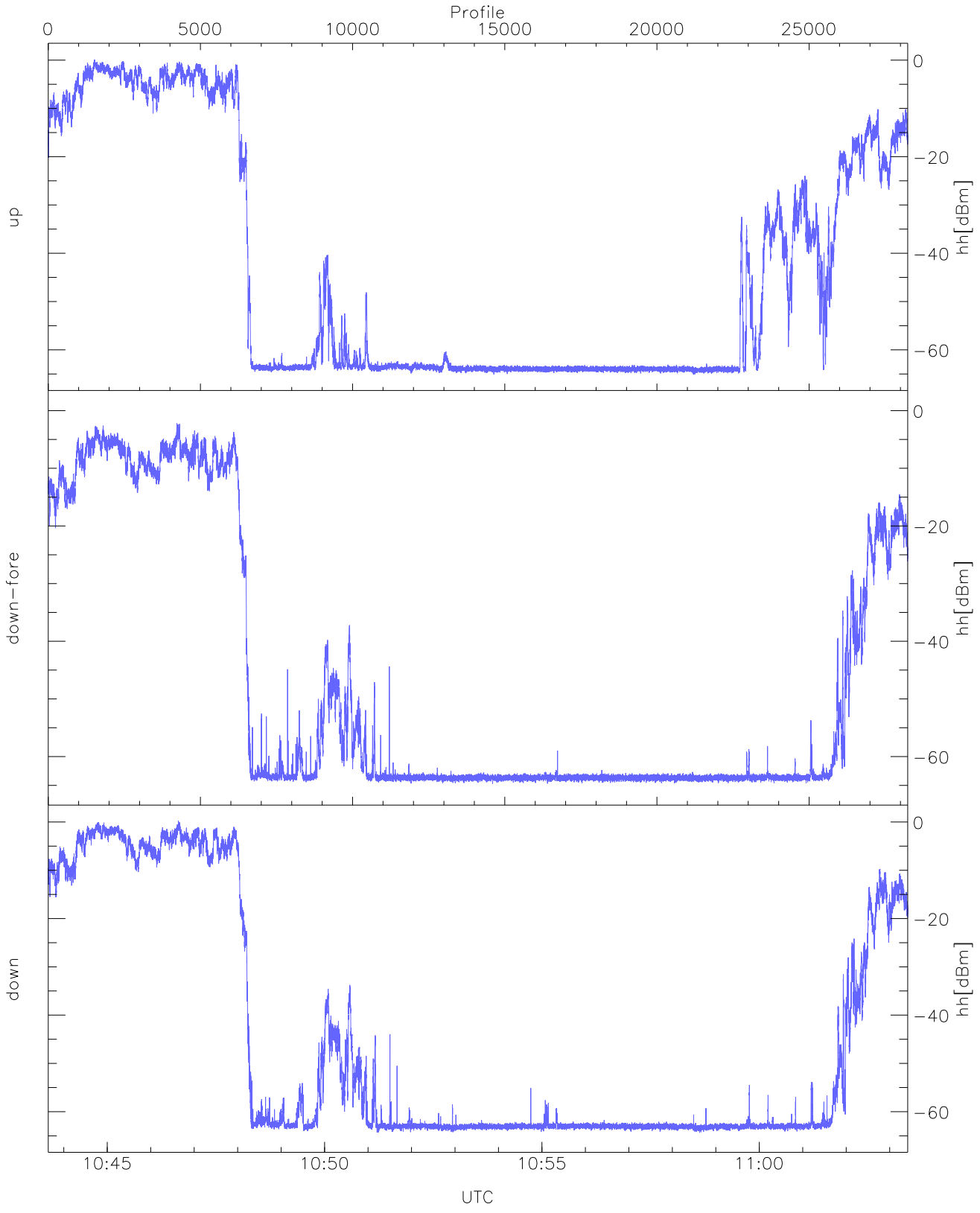

WCR2 CPP Averaged Received power for all recorded gates
blue: 104339-105332, 14121 profiles averaged
red: 105332-110325, 14121 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 104339-105332, 14121 profiles averaged
red: 105332-110325, 14121 profiles averaged

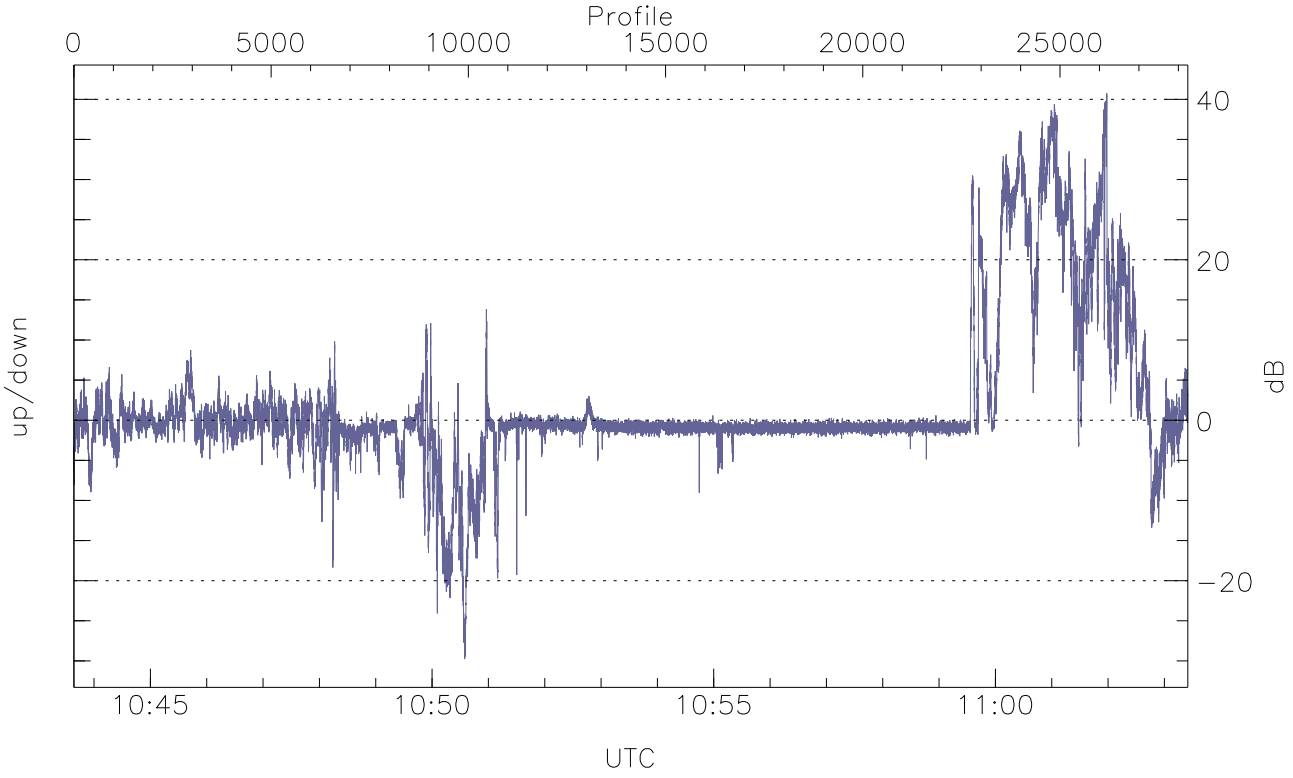


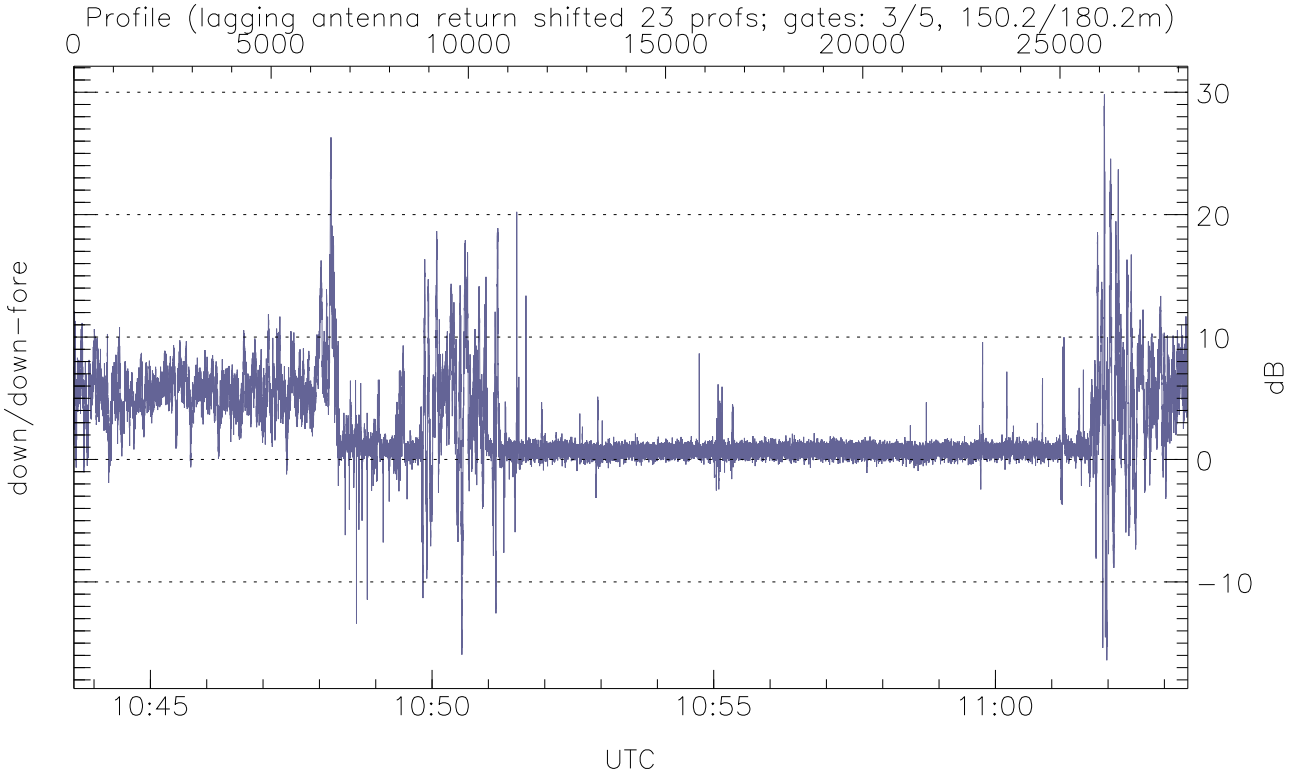

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

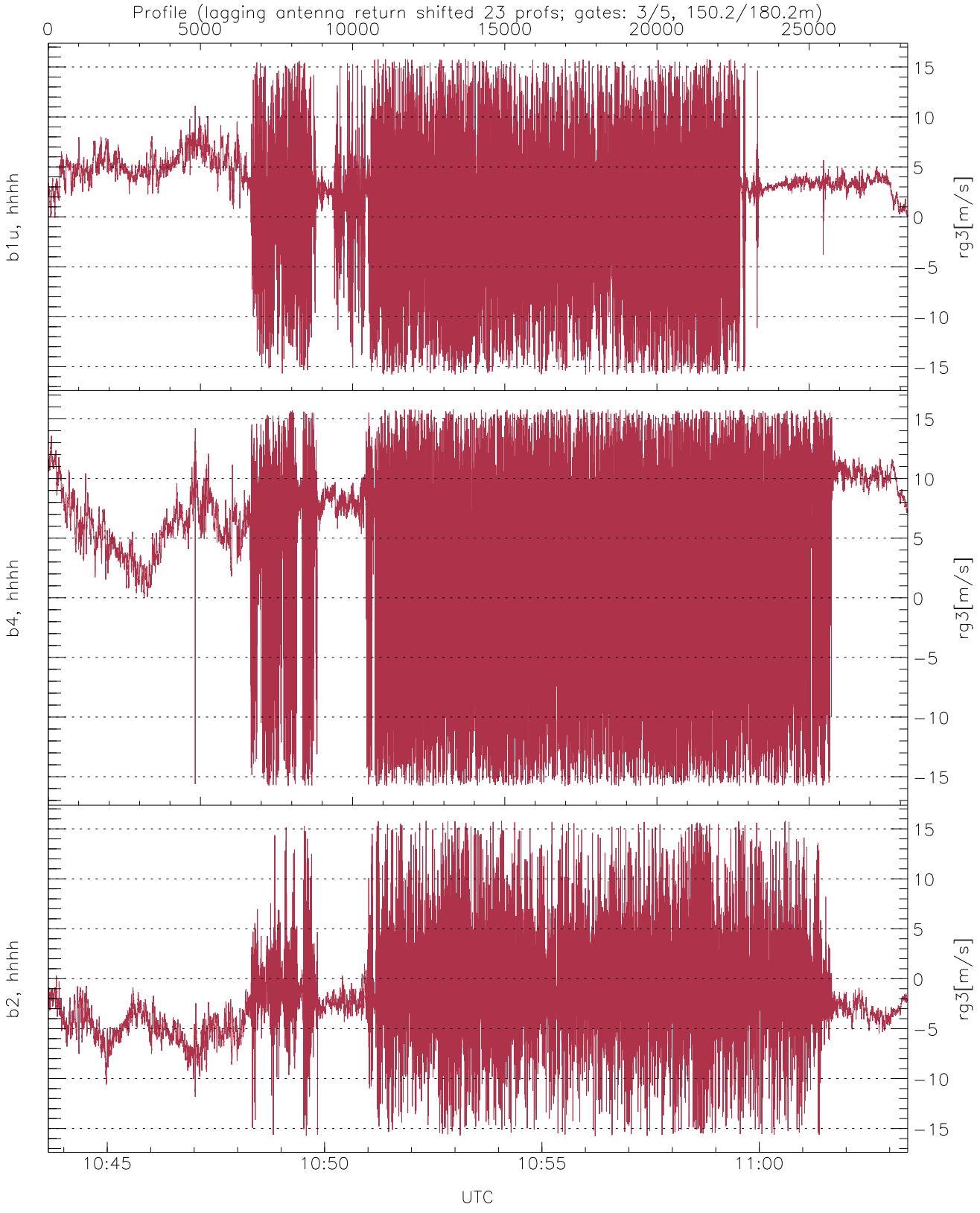
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -65.15 | 0.11 | -10.41 |
| down-fore(hh[dBm]) | -64.71 | -2.16 | -14.12 |
| down(hh[dBm]) | -64.35 | 0.23 | -10.51 |




WCR2 Beam pairs Received Power Ratio(s)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -29.77 | 40.75 | 1.95 |
| down/down-fore(dB) | -16.40 | 29.81 | 2.62 |




WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg3[m/s]) | -15.79 | 15.80 | 1.70 | 5.16 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | 3.30 | 7.19 |
| b2, hhhh(rg3[m/s]) | -15.76 | 15.80 | -1.84 | 4.04 |