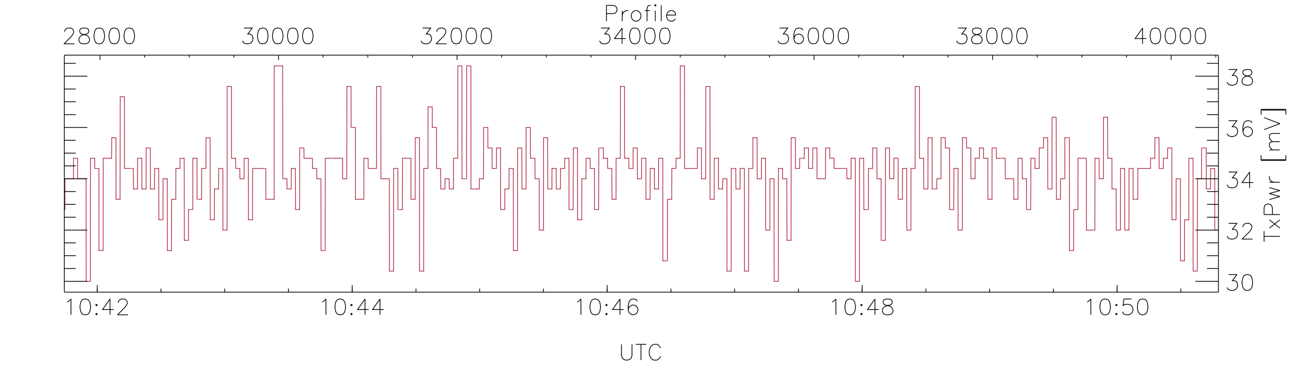
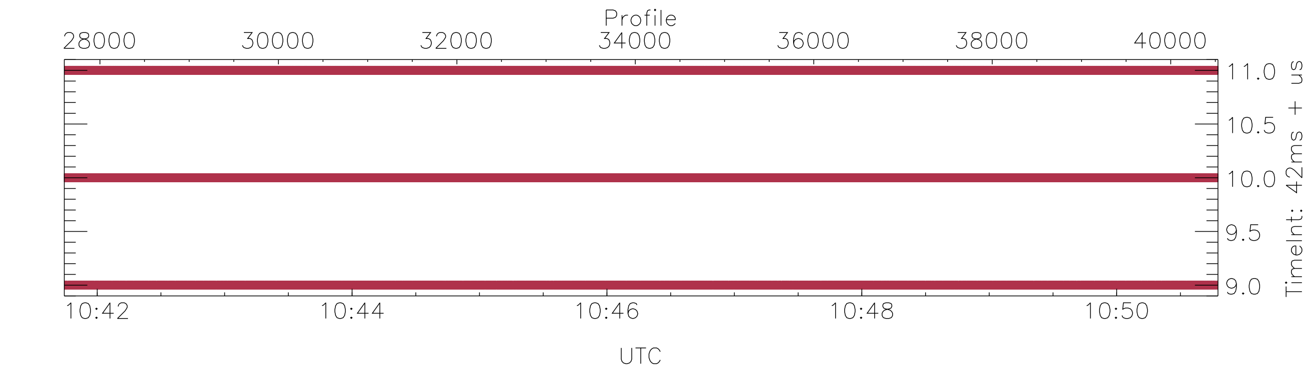
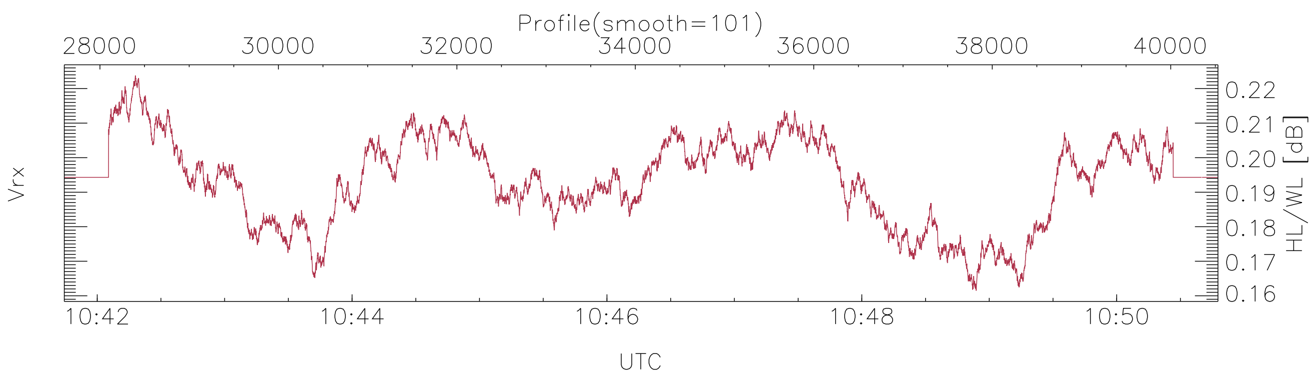
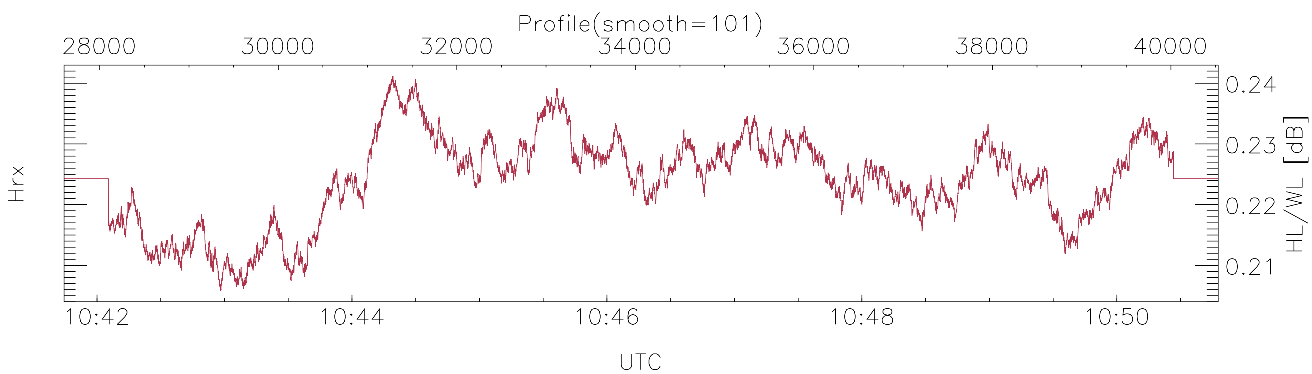


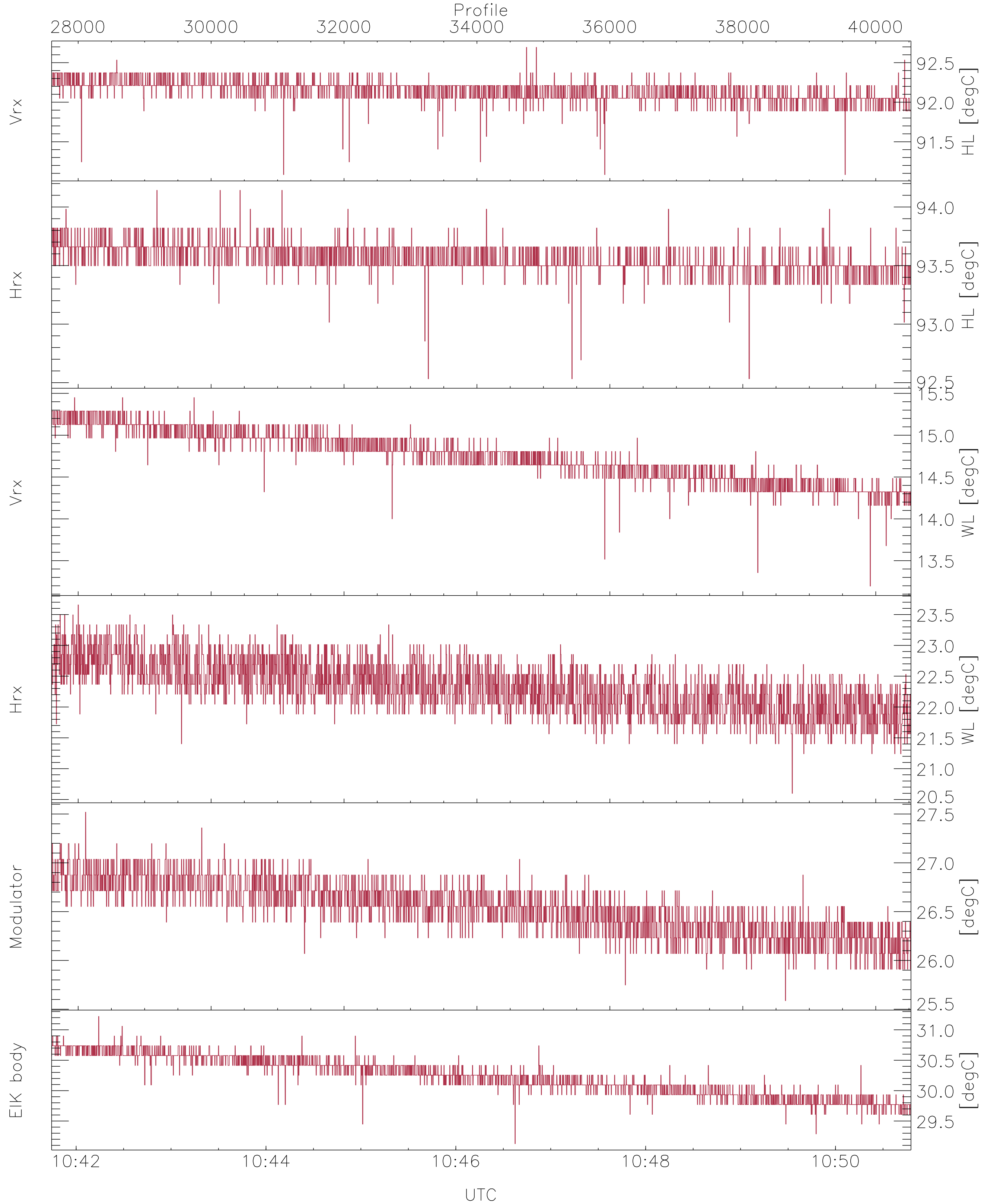



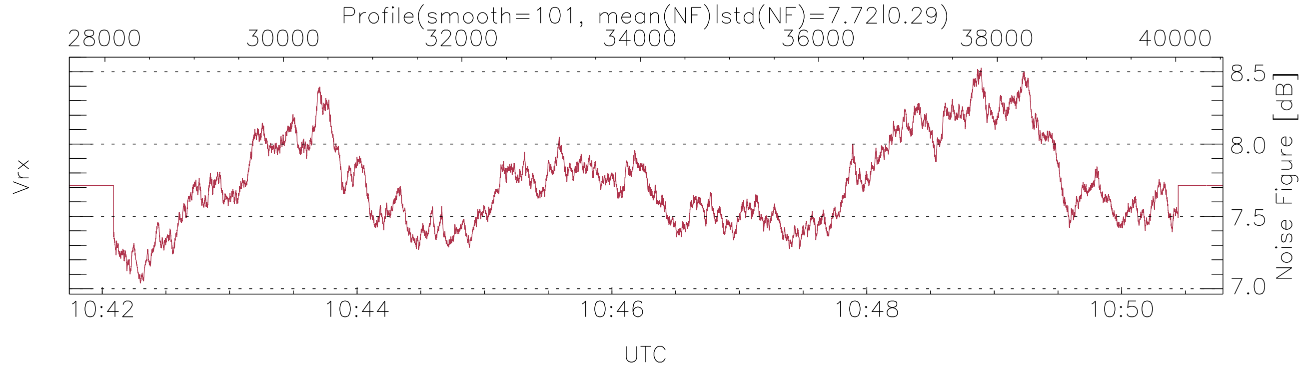

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

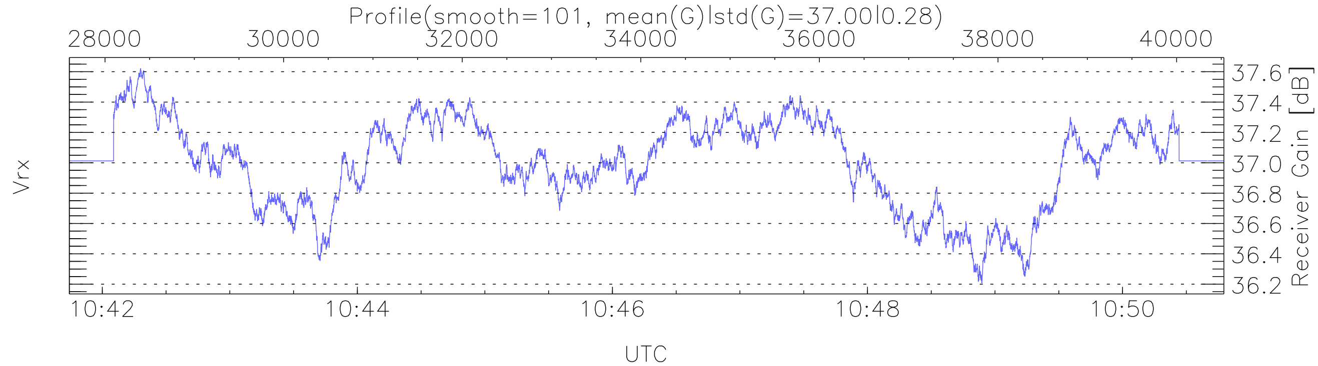
UTC: 10:22:25-10:50:48, Dur: 1702.69s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24
NumRec(r/t): 12931/40531, 27600-40530/10:41:44-10:50:48
AcqTime: 42.0ms, Rate: 377KB/s, Averages: 140
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 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|side|up|error): 1

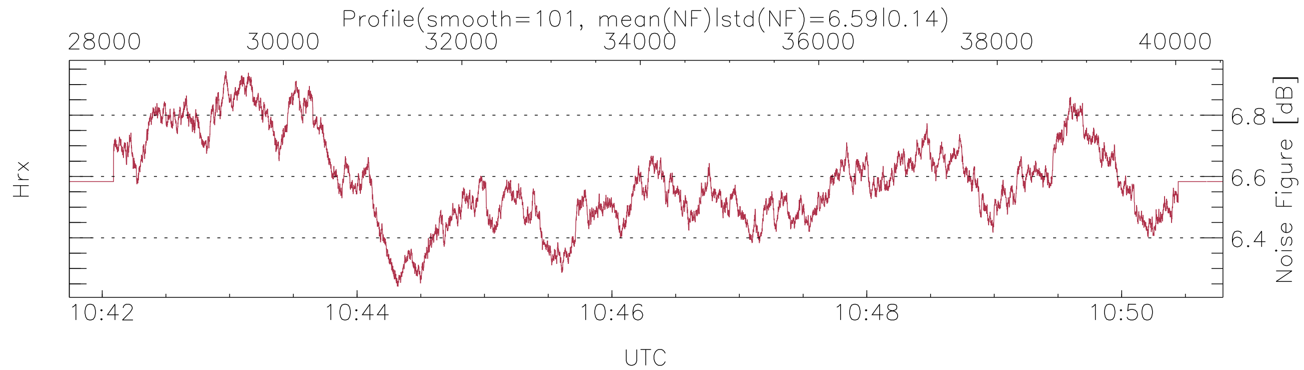


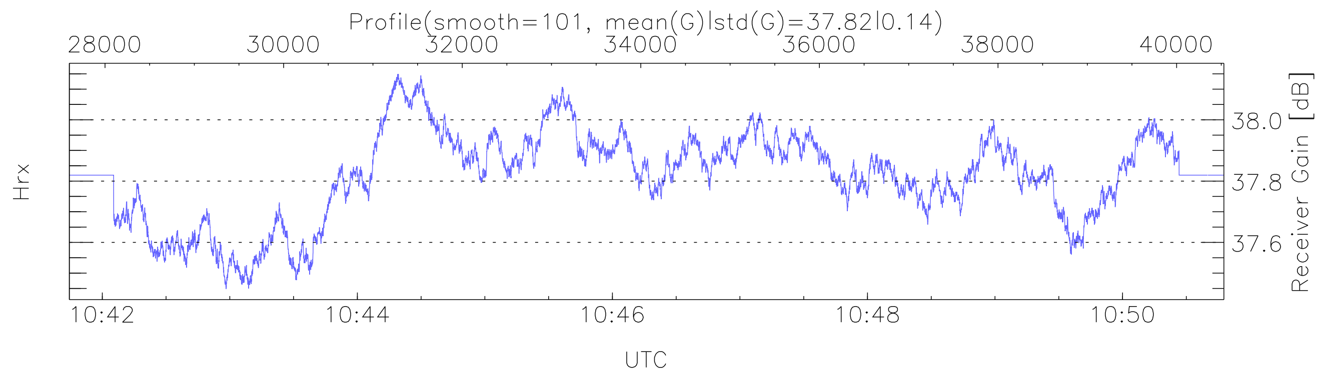

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,13,20,25,29
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,15,23,27,31
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK/Modulator Faults: None



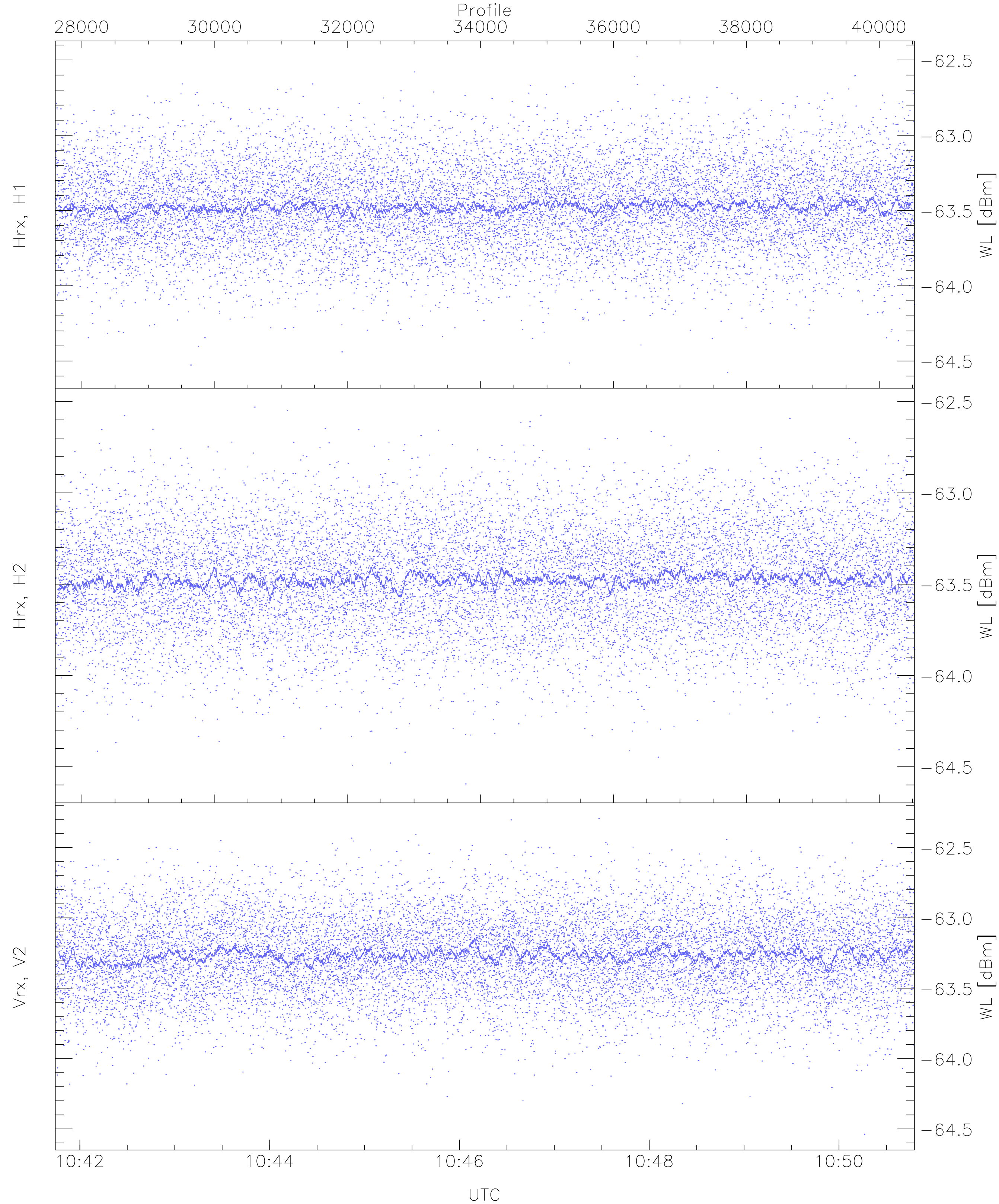



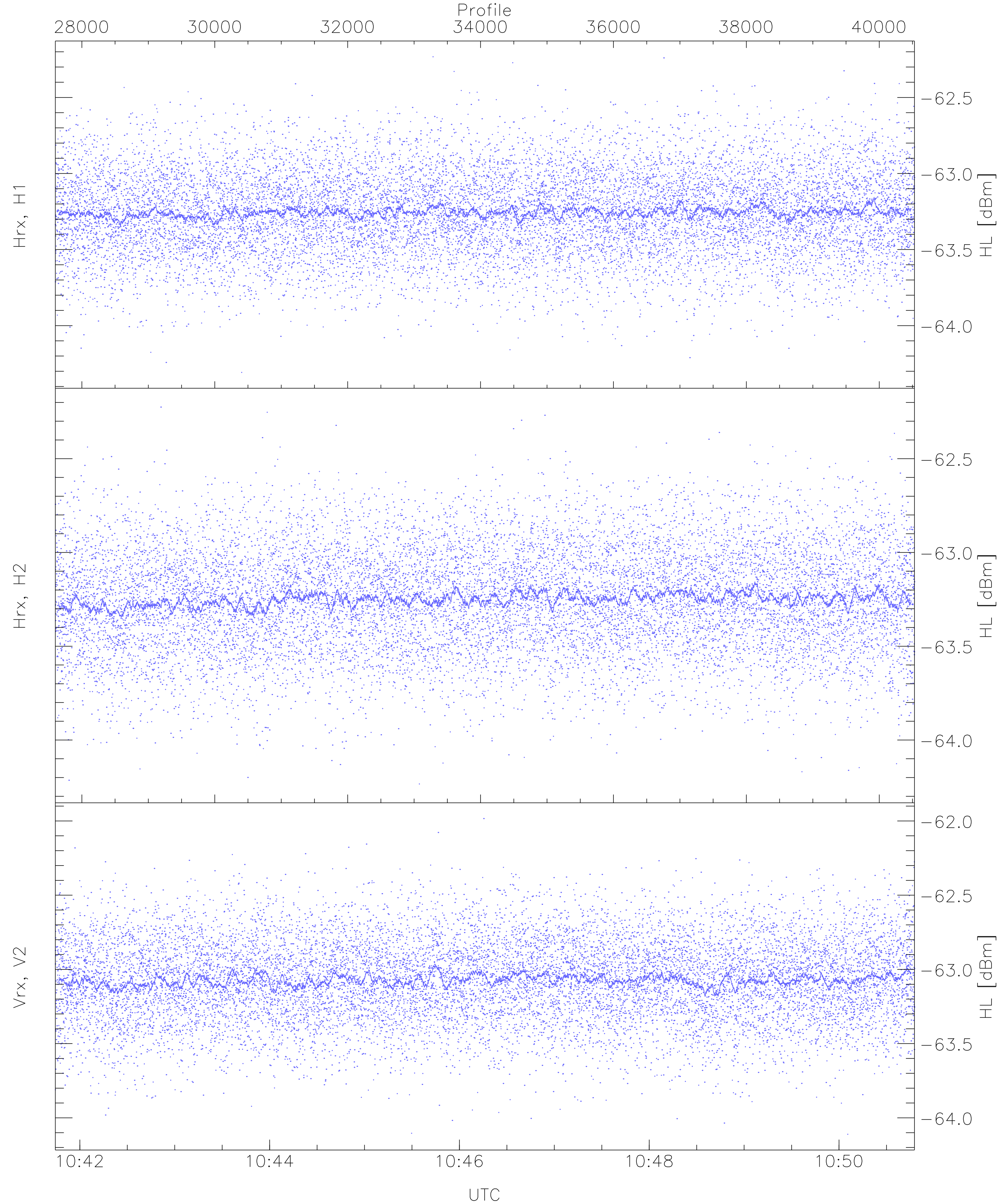

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 136 pixs, 2 gates, 136 profs, 1 prods



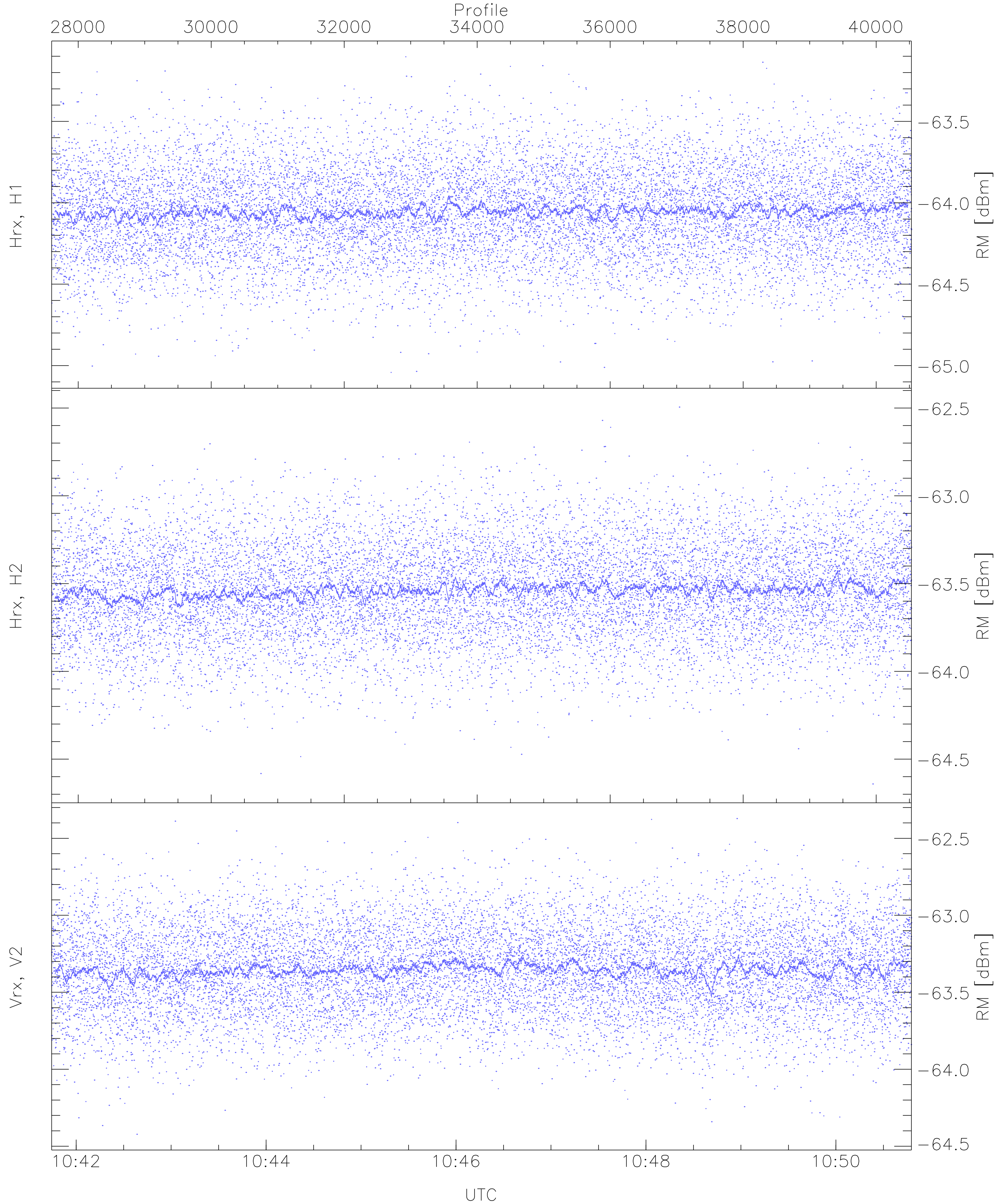

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -64.58 | -62.48 | -63.47 | -63.48 | -75.62 |
| Hrx, H2(WL [dBm]) | -64.59 | -62.53 | -63.47 | -63.48 | -75.55 |
| Vrx, V2(WL [dBm]) | -64.54 | -62.29 | -63.26 | -63.27 | -75.31 |



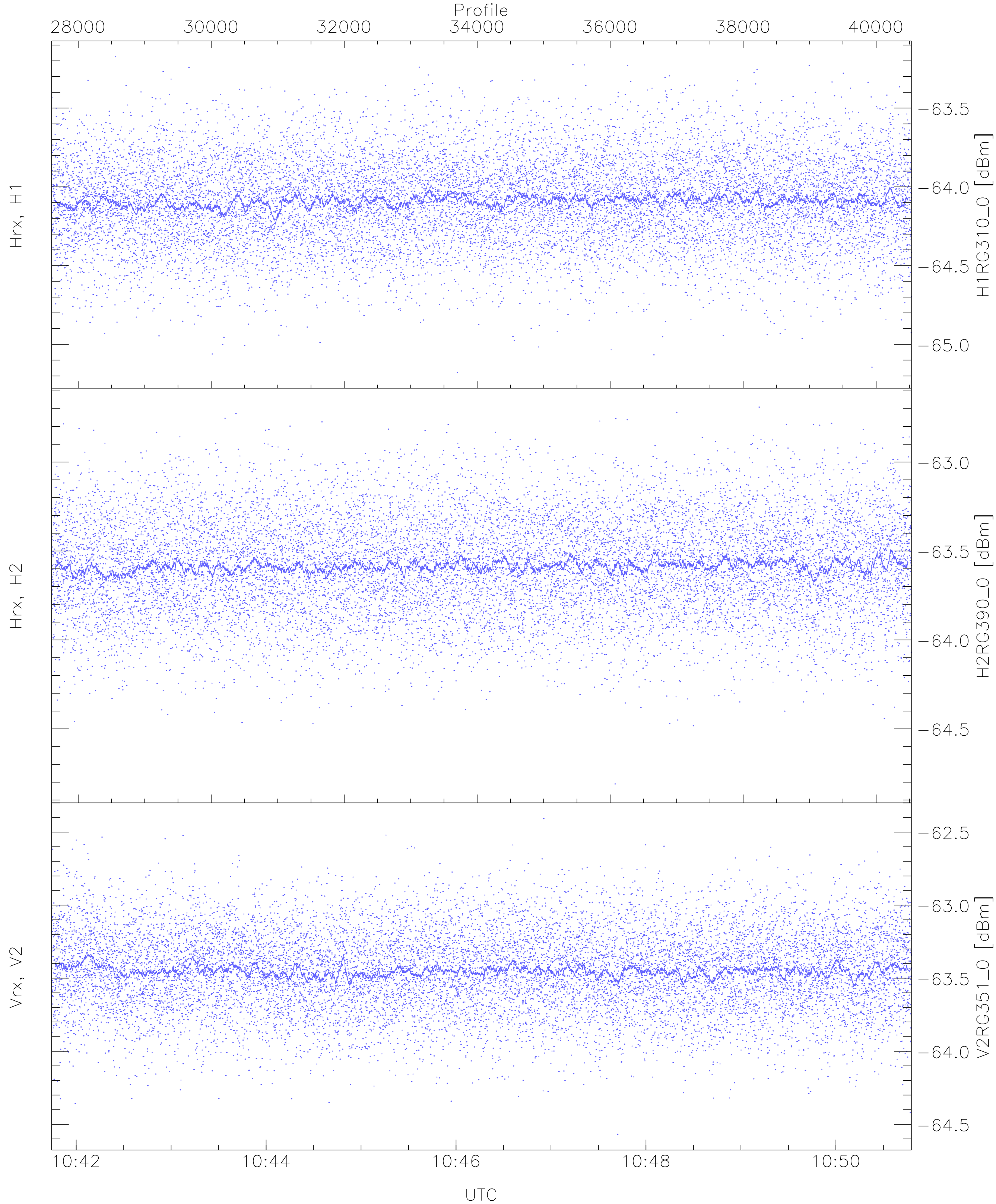

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -64.31 | -62.23 | -63.25 | -63.26 | -75.39 |
| Hrx, H2(HL [dBm]) | -64.23 | -62.22 | -63.24 | -63.25 | -75.39 |
| Vrx, V2(HL [dBm]) | -64.11 | -61.98 | -63.07 | -63.07 | -75.18 |



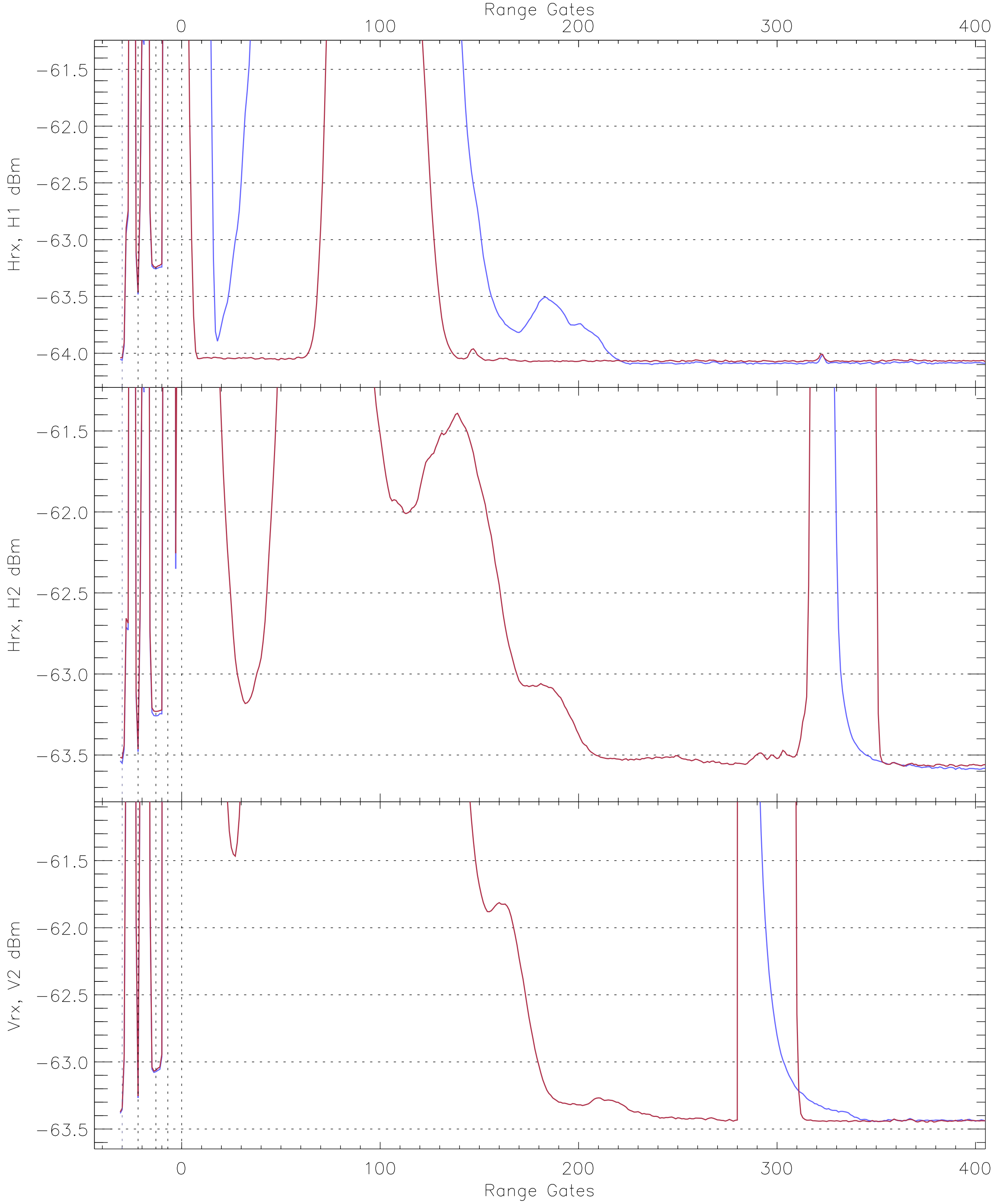

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -65.04 | -63.10 | -64.05 | -64.06 | -76.17 |
| Hrx, H2(RM [dBm]) | -64.64 | -62.49 | -63.54 | -63.54 | -75.72 |
| Vrx, V2(RM [dBm]) | -64.42 | -62.37 | -63.35 | -63.36 | -75.45 |

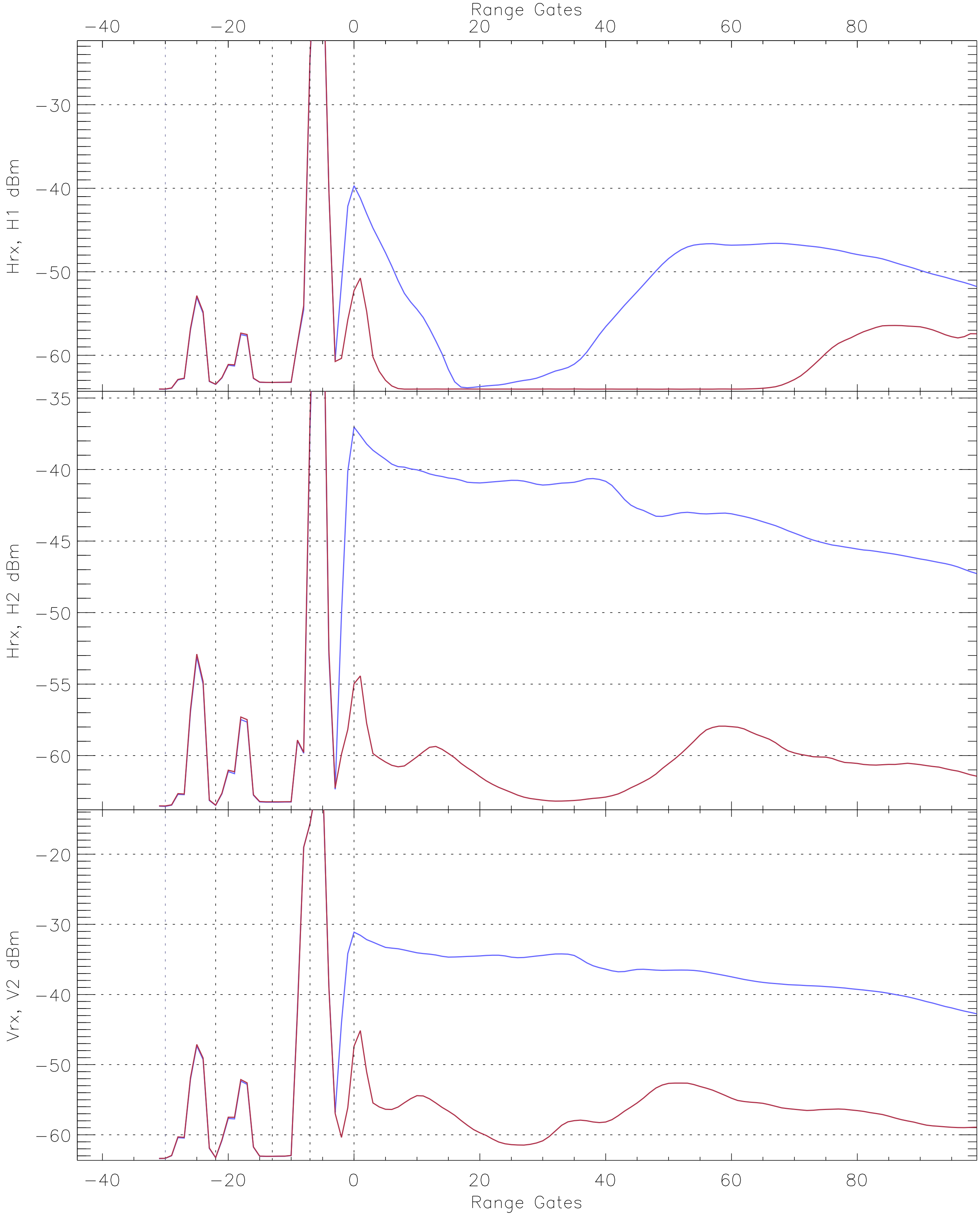



WCR2 CPP "Best" estimate Receivers Noise Power

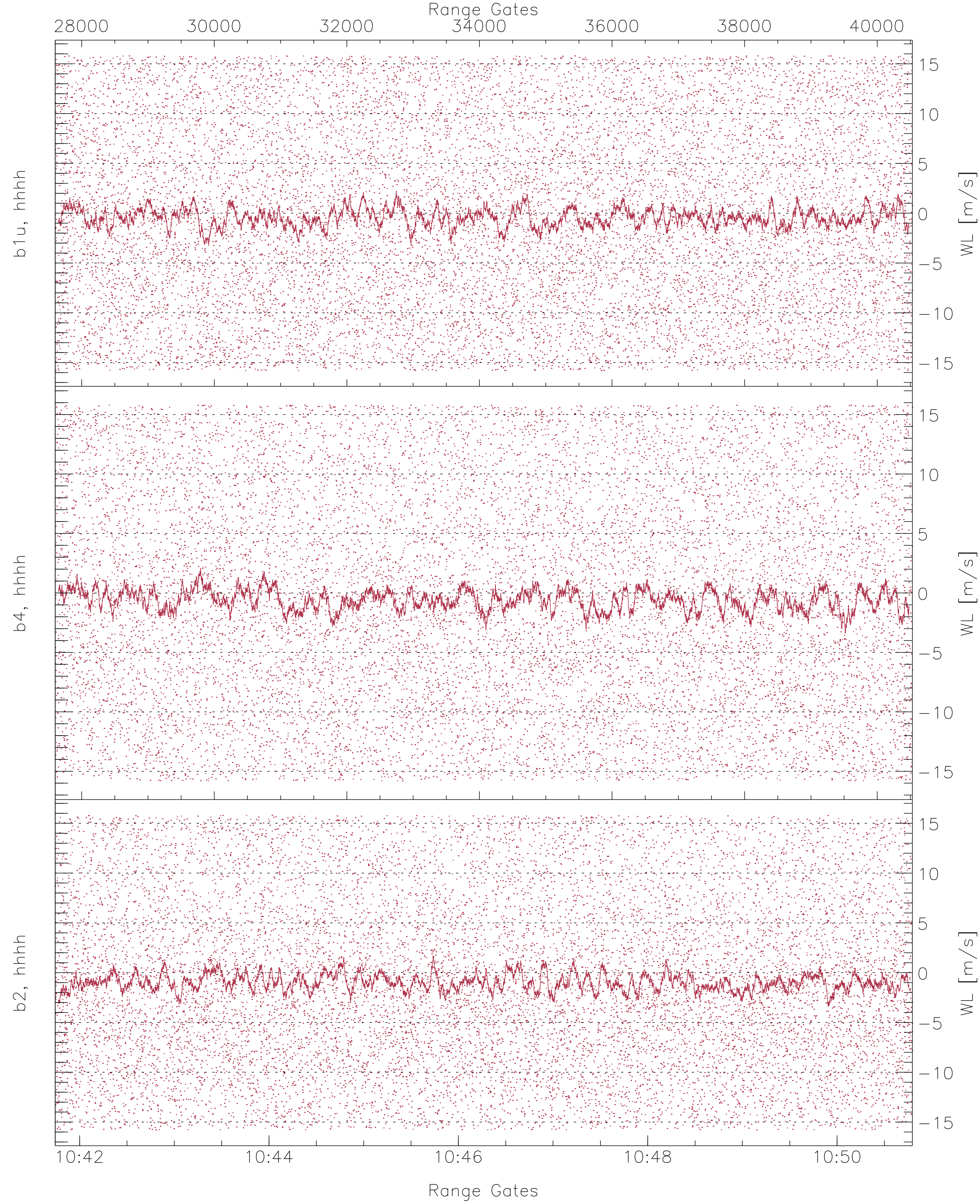
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG310_0 [dBm] | -65.18 | -63.17 | -64.09 | -64.09 | -76.24 |
| H2RG390_0 [dBm] | -64.81 | -62.69 | -63.58 | -63.58 | -75.73 |
| V2RG351_0 [dBm] | -64.57 | -62.41 | -63.44 | -63.45 | -75.52 |



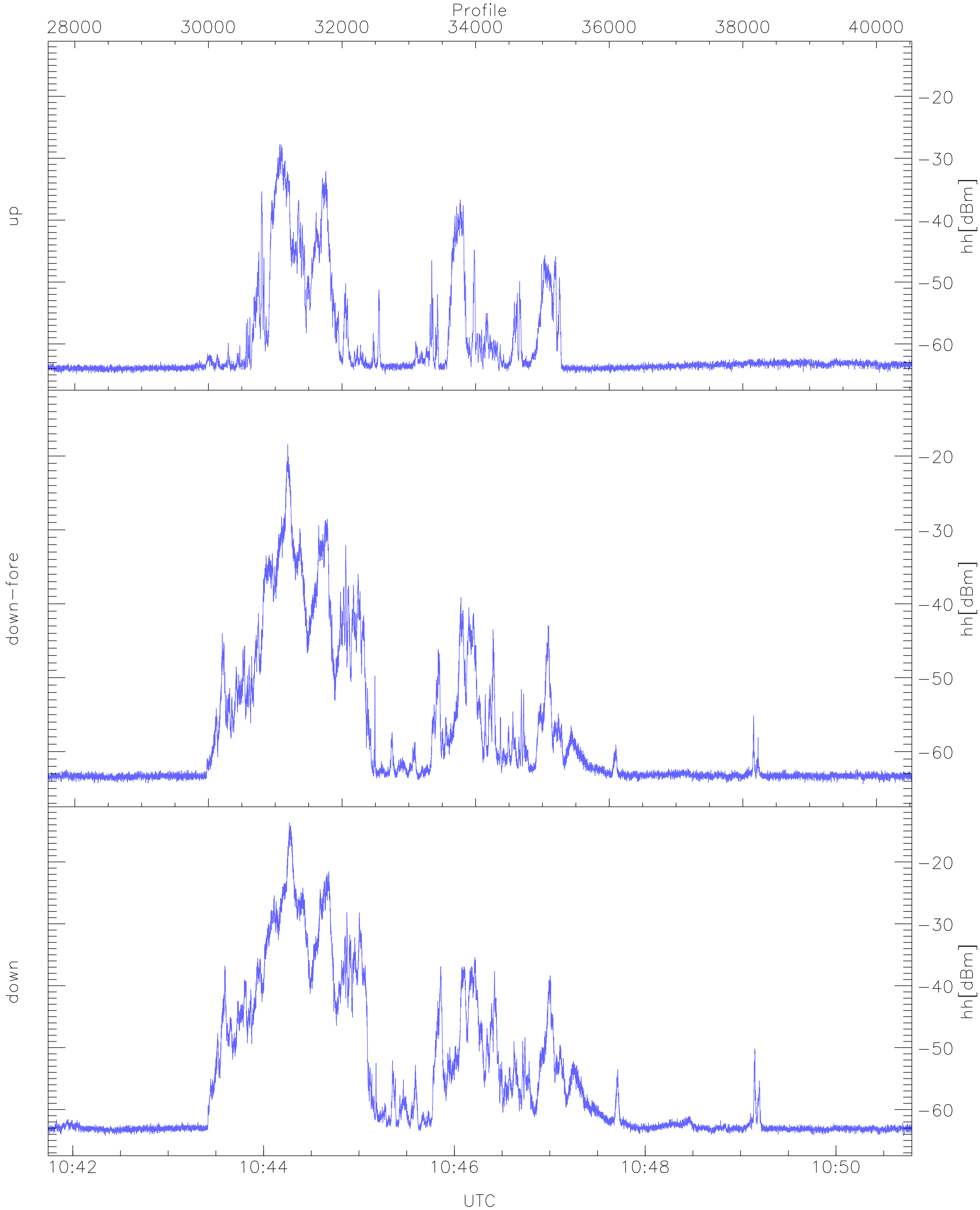

WCR2 CPP Averaged Received power for all recorded gates
blue: 104144-104616, 6466 profiles averaged
red: 104616-105048, 6466 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 104144-104616, 6466 profiles averaged
red: 104616-105048, 6466 profiles averaged

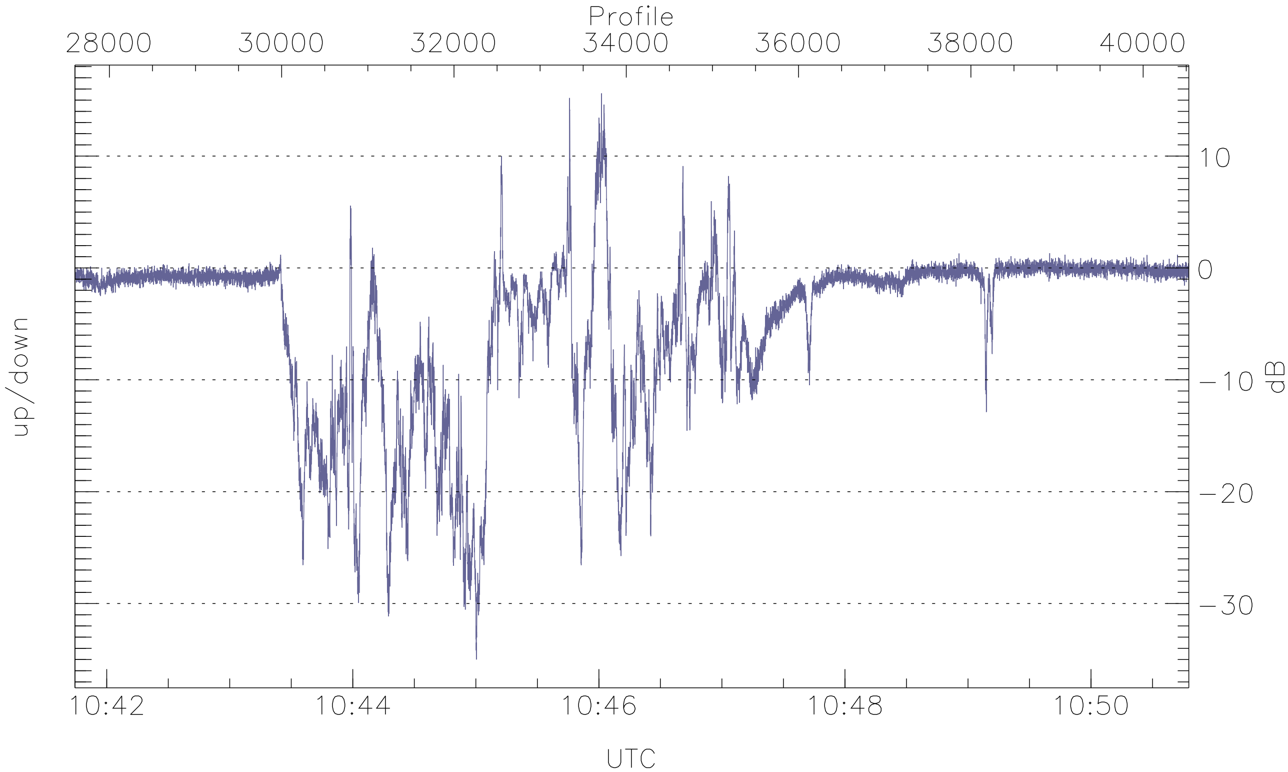


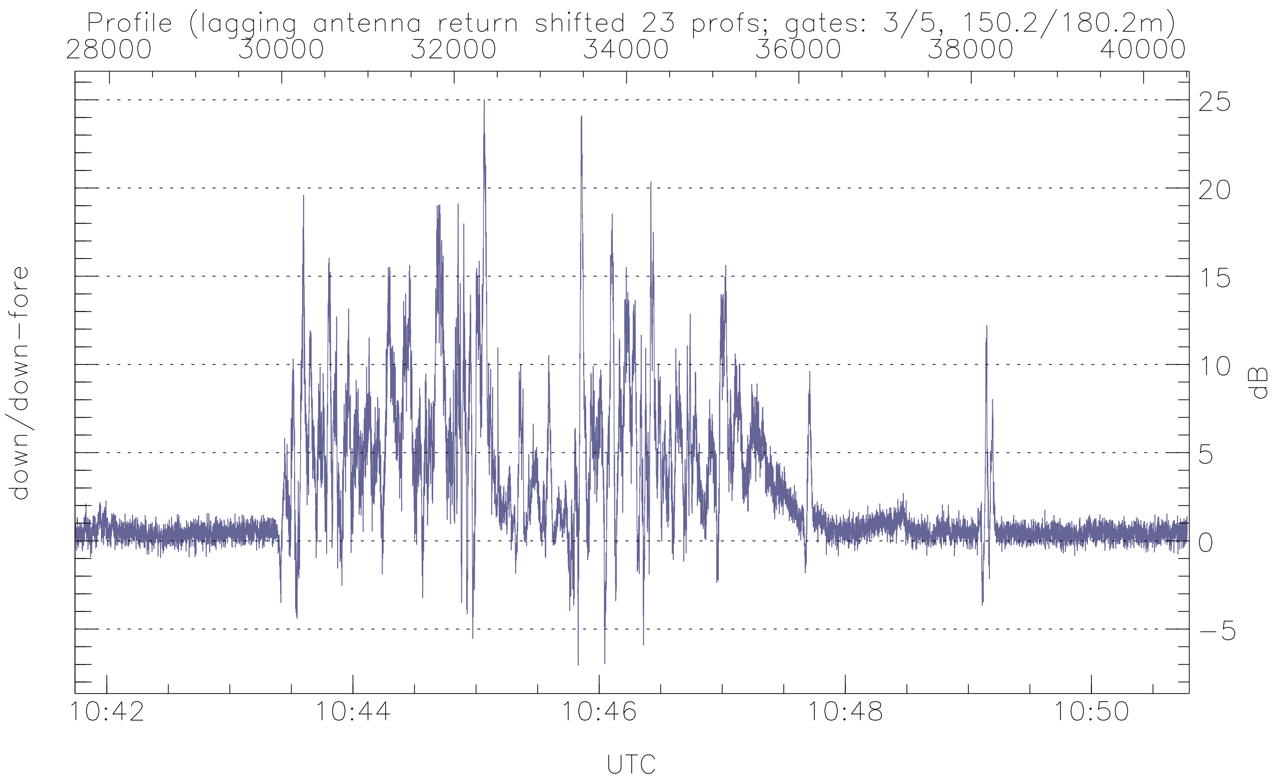

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

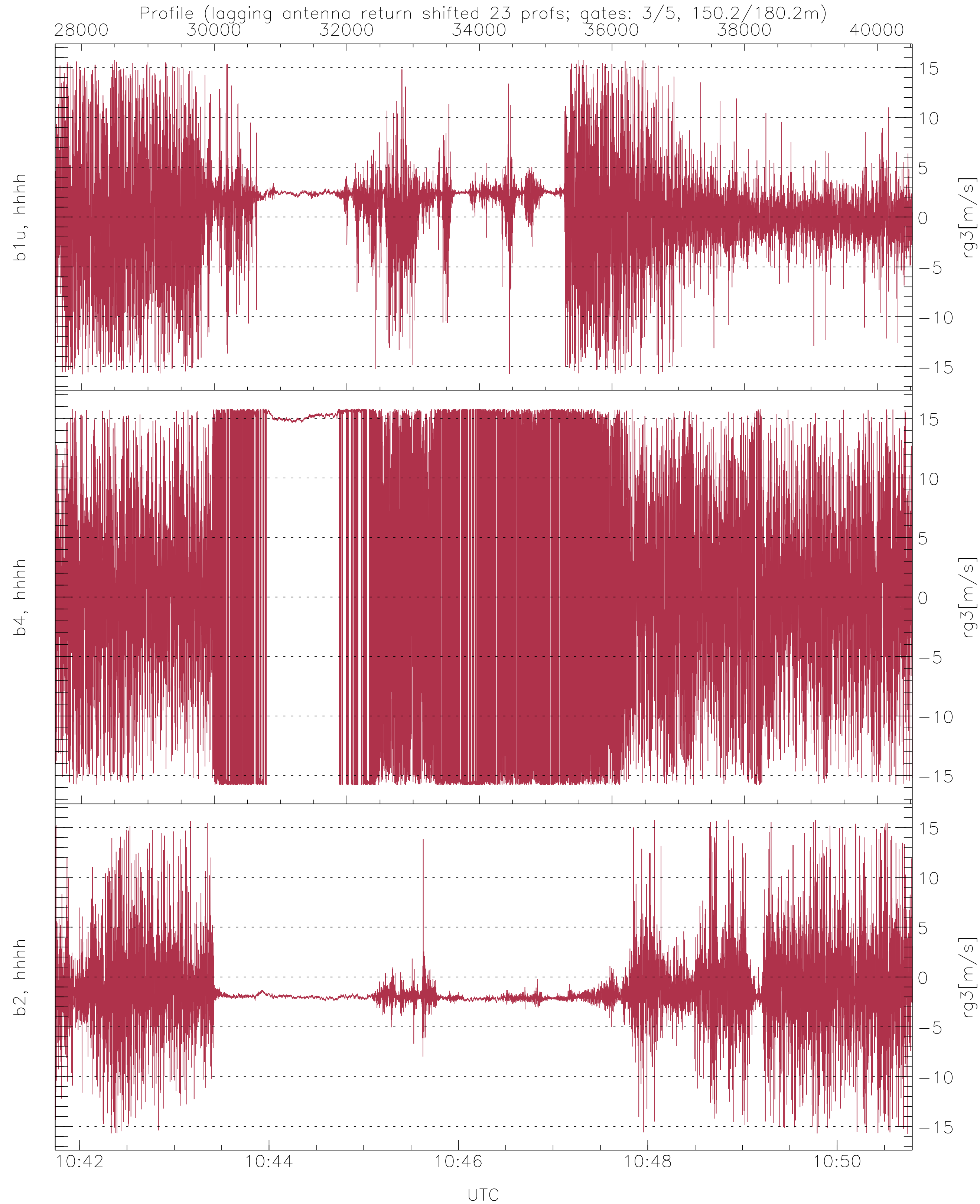
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -64.91 | -27.71 | -47.65 |
| down-fore(hh[dBm]) | -64.39 | -18.46 | -41.63 |
| down(hh[dBm]) | -64.27 | -13.66 | -35.52 |




WCR2 Beam pairs Received Power Ratio(s)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -35.00 | 15.61 | -4.82 |
| down/down-fore(dB) | -7.05 | 25.02 | 2.81 |




WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg3[m/s]) | -15.79 | 15.77 | 0.64 | 4.23 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | 1.55 | 11.28 |
| b2, hhhh(rg3[m/s]) | -15.76 | 15.77 | -1.42 | 3.26 |