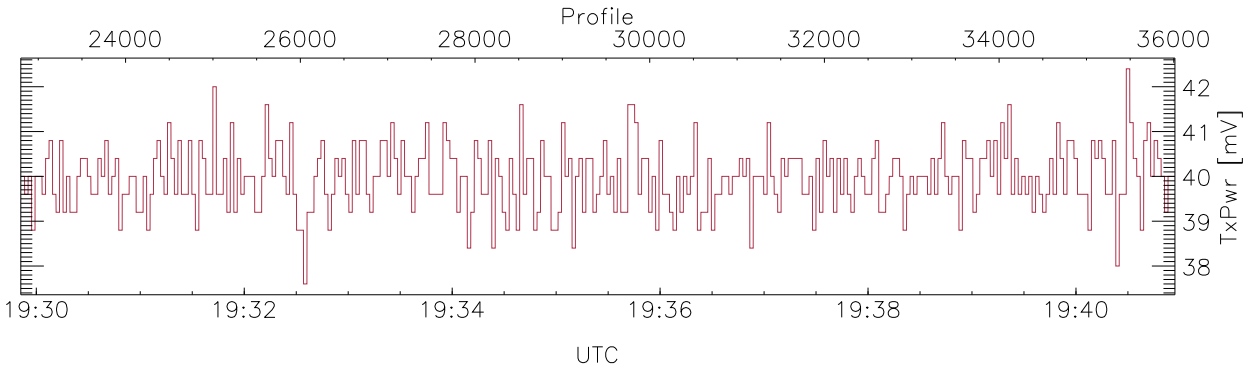
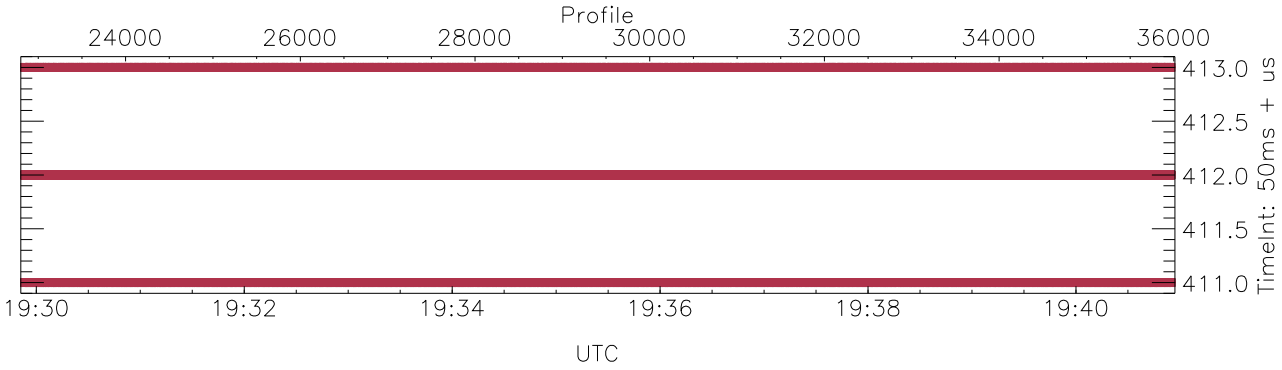
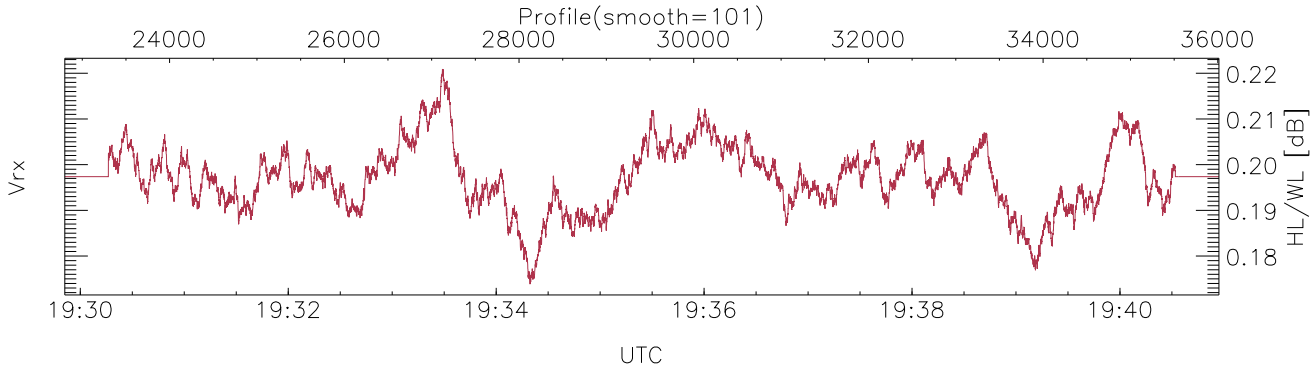
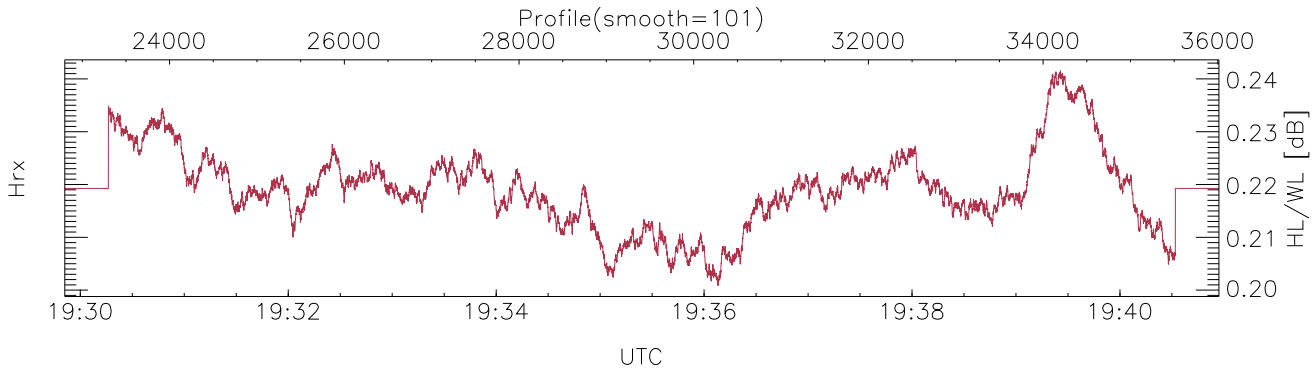


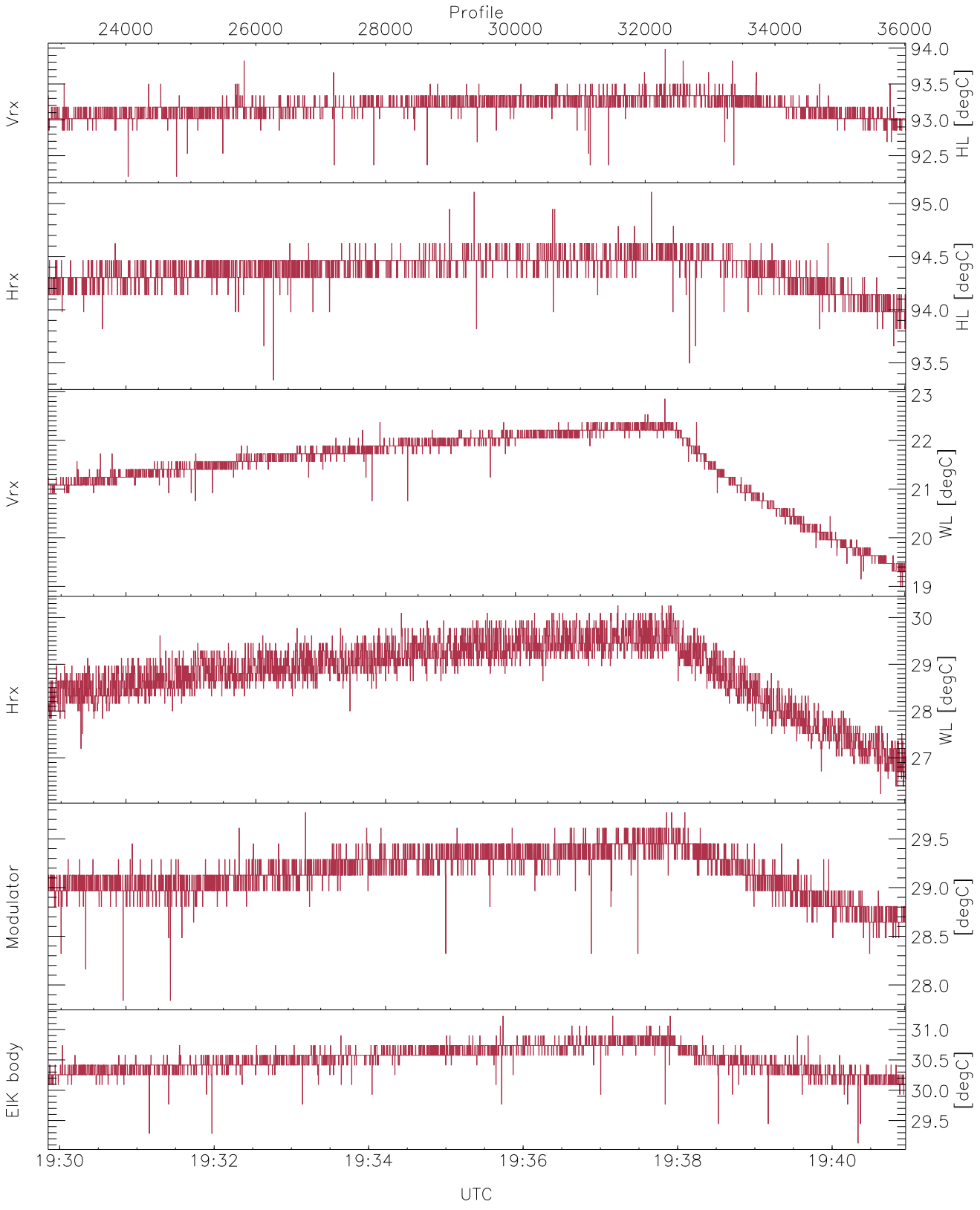



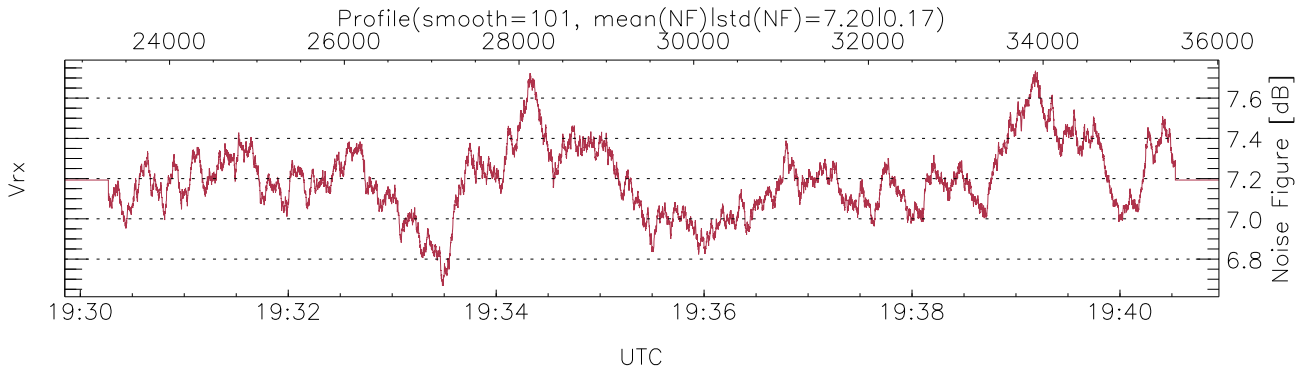

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

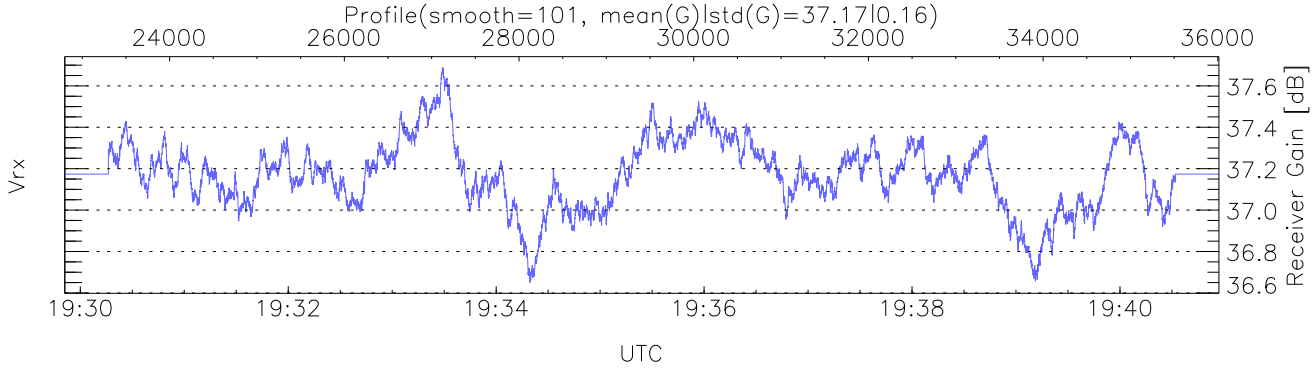
UTC: 19:10:42-19:40:57, Dur: 1815.51s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
NumRec(r/t): 13214/36014, 22800-36013/19:29:51-19:40:57
AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 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

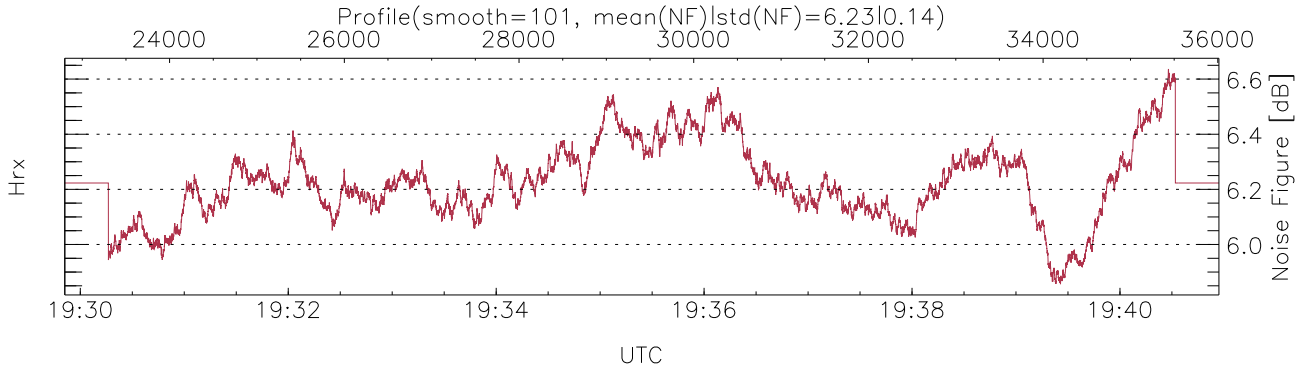


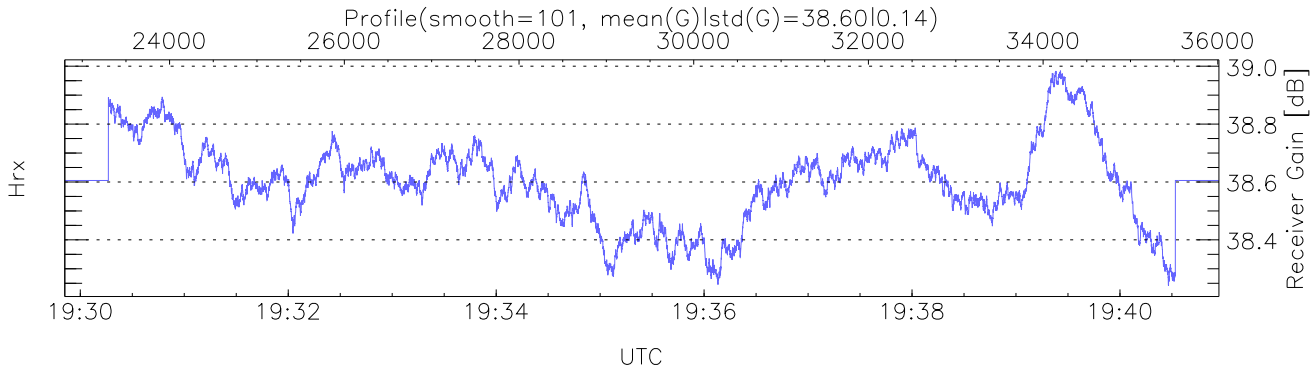

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,18,26,27,29
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,22,30,29,31
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
HVPS (10)



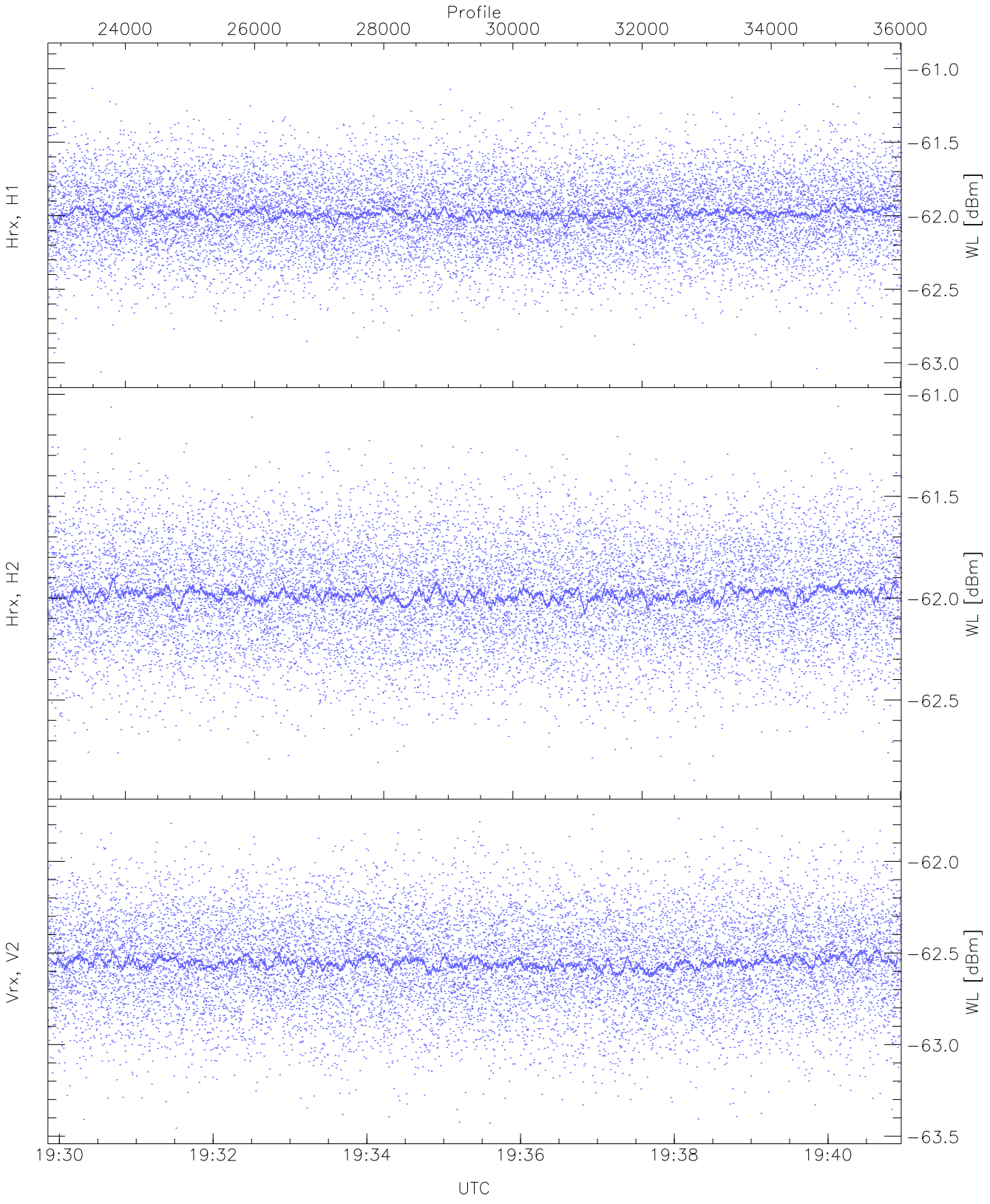



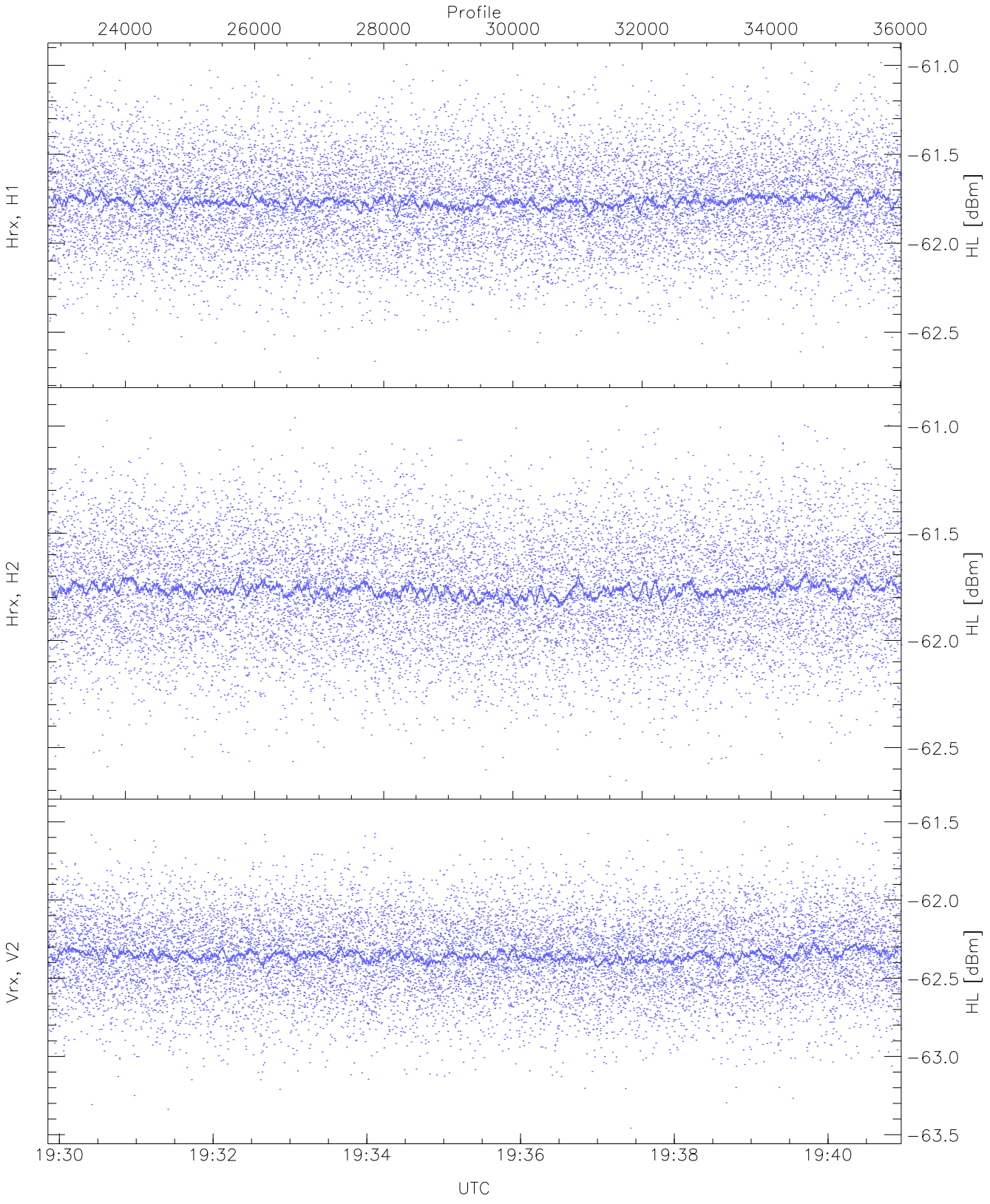

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 11302 pixs, 16 gates, 10551 profs, 2 prods



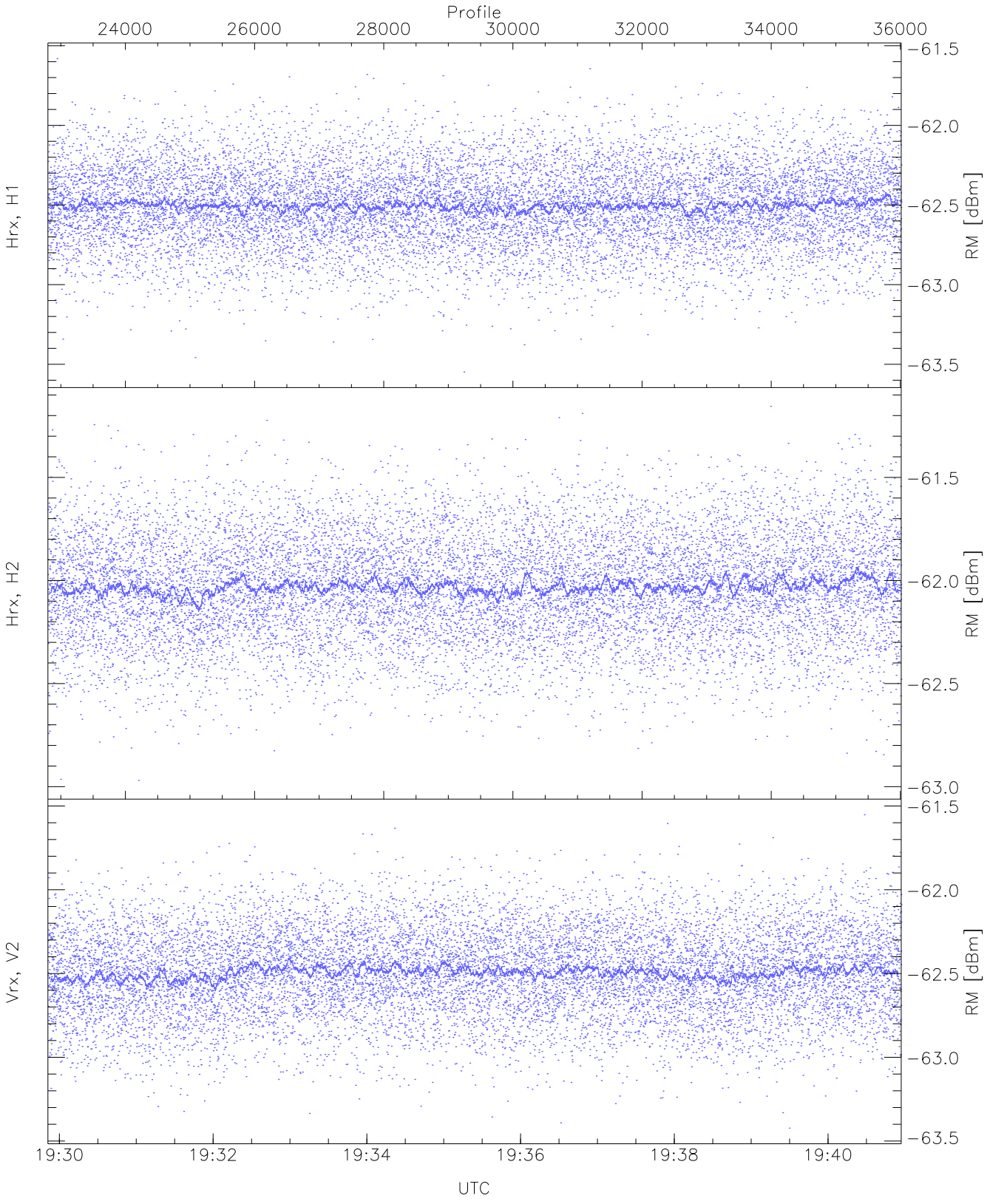

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -63.06 | -60.93 | -61.98 | -61.98 | -74.52 |
| Hrx, H2(WL [dBm]) | -62.89 | -61.06 | -61.98 | -61.98 | -74.55 |
| Vrx, V2(WL [dBm]) | -63.46 | -61.75 | -62.55 | -62.55 | -75.09 |



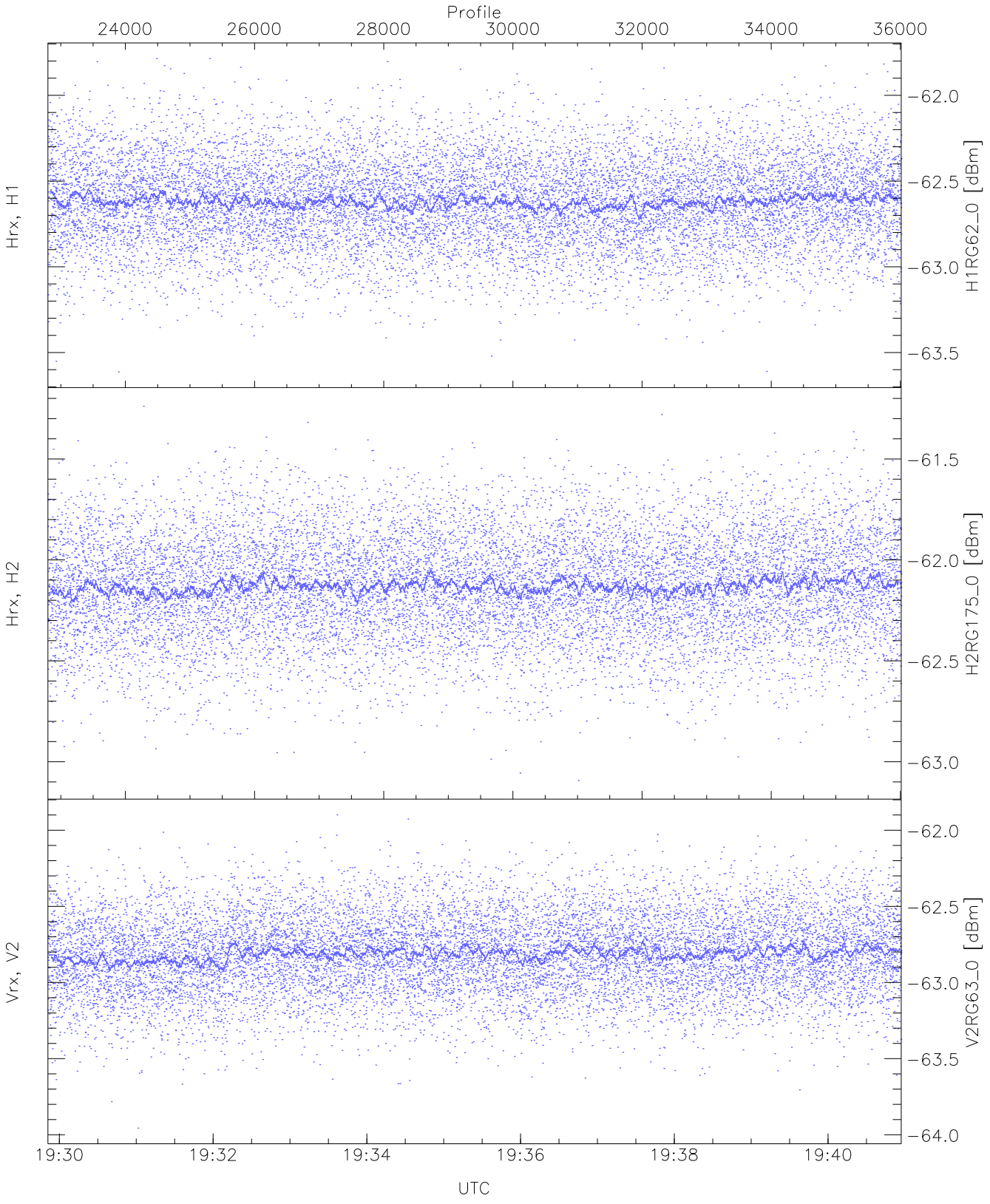

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -62.72 | -60.96 | -61.76 | -61.77 | -74.32 |
| Hrx, H2(HL [dBm]) | -62.65 | -60.91 | -61.76 | -61.77 | -74.33 |
| Vrx, V2(HL [dBm]) | -63.46 | -61.46 | -62.35 | -62.35 | -74.88 |



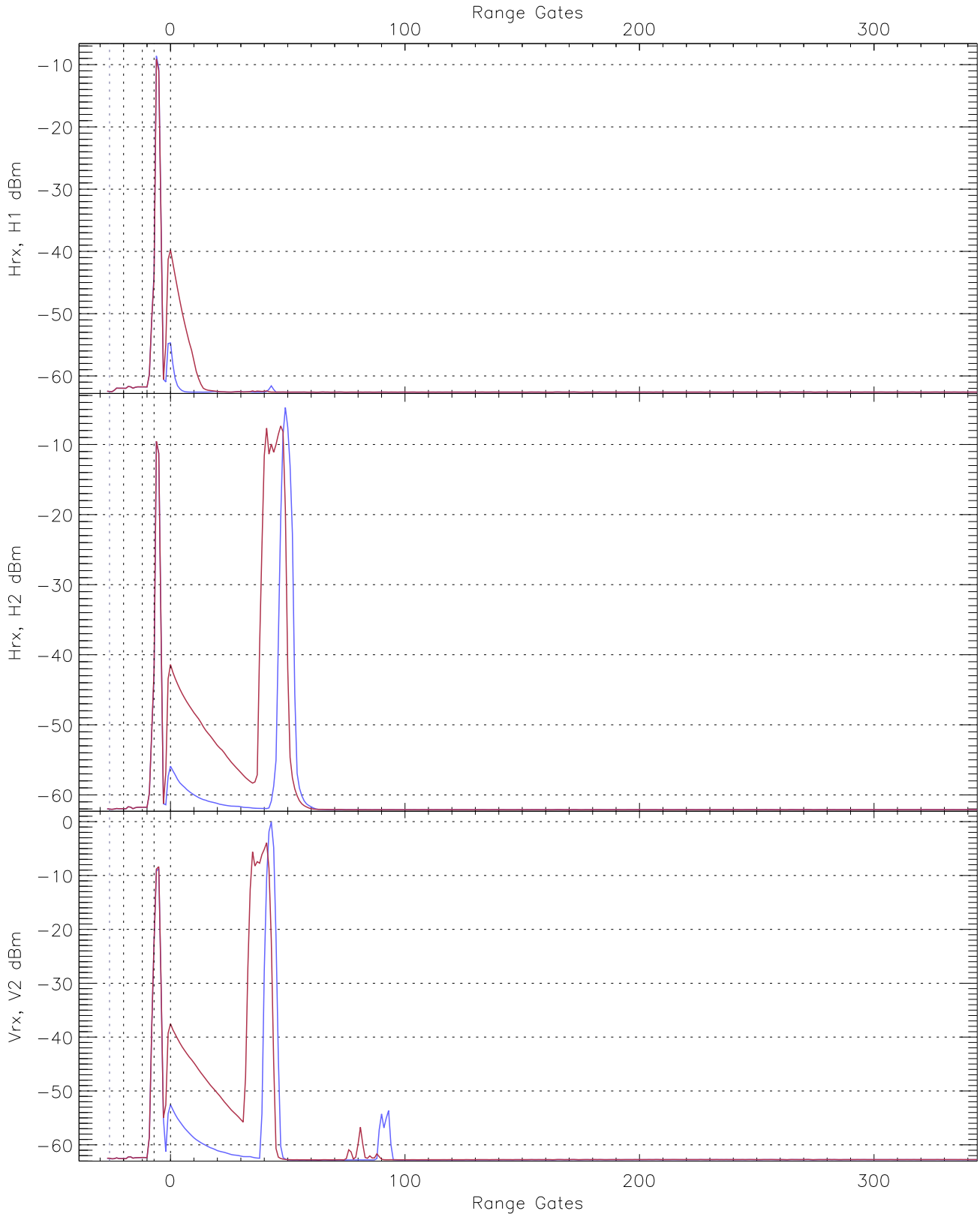

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -63.55 | -61.58 | -62.50 | -62.50 | -75.06 |
| Hrx, H2(RM [dBm]) | -62.97 | -61.15 | -62.03 | -62.03 | -74.59 |
| Vrx, V2(RM [dBm]) | -63.42 | -61.55 | -62.49 | -62.50 | -75.01 |

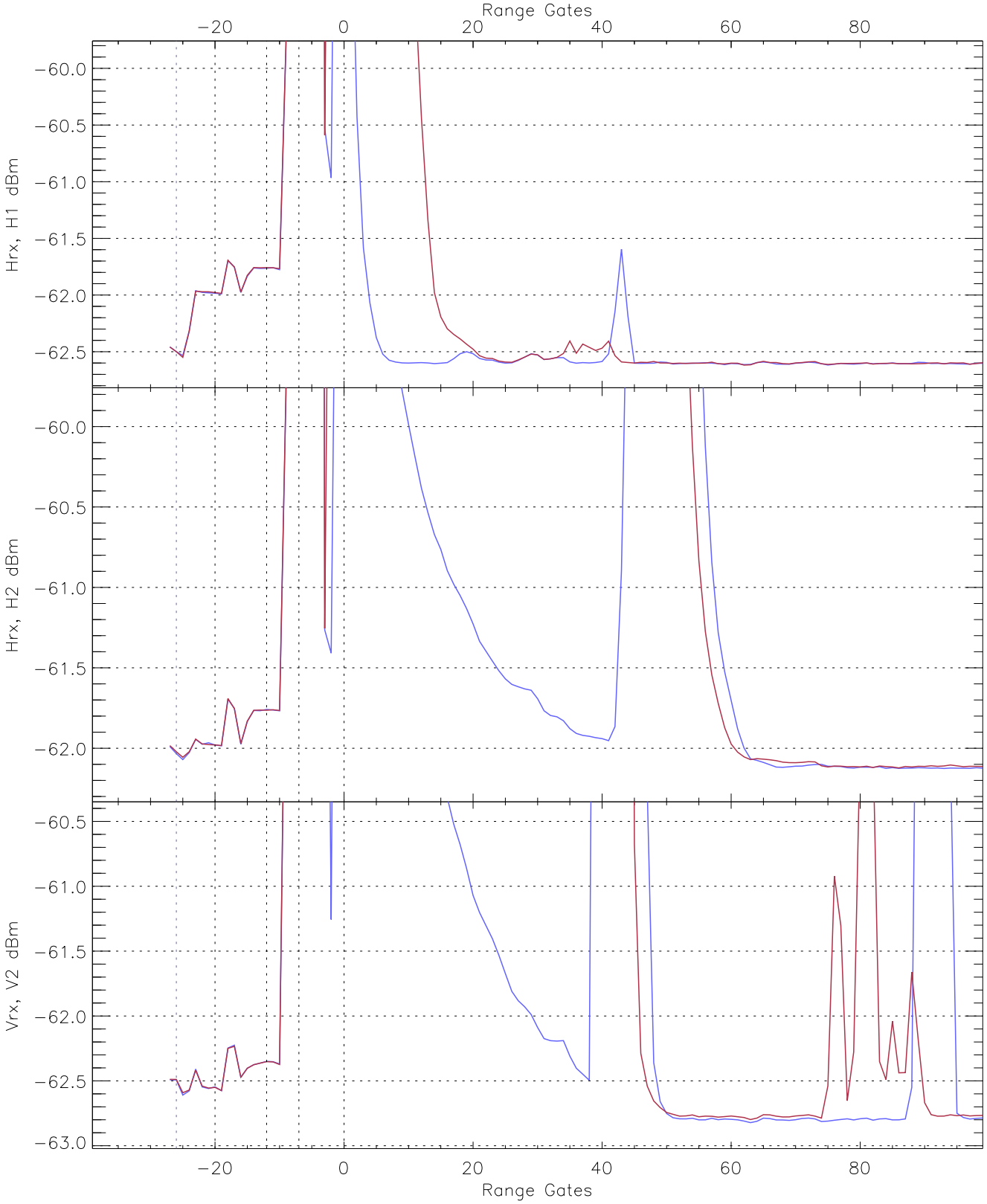



WCR2 CPP "Best" estimate Receivers Noise Power

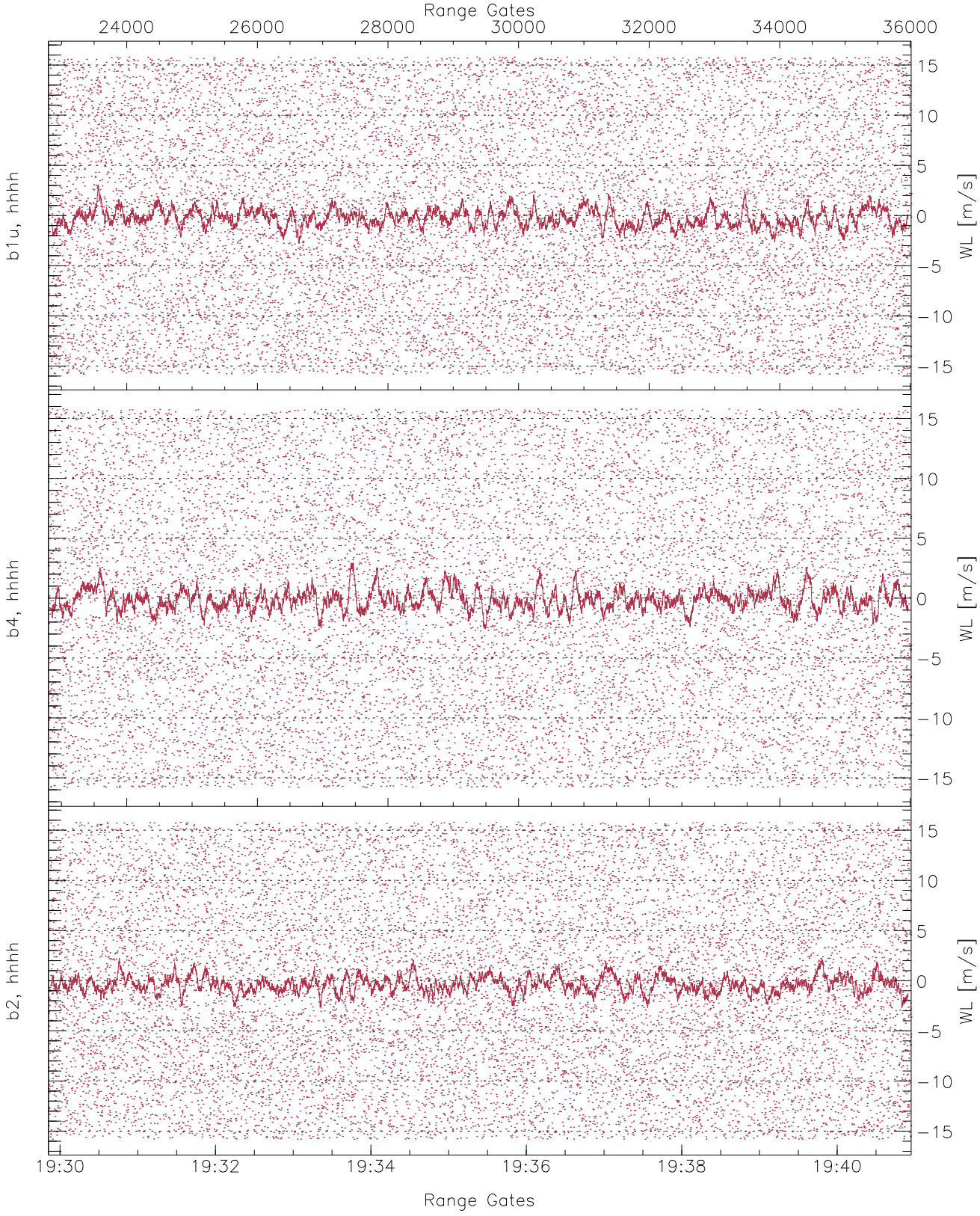
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG62_0 [dBm] | -63.61 | -61.79 | -62.62 | -62.62 | -75.20 |
| H2RG175_0 [dBm] | -63.09 | -61.24 | -62.13 | -62.13 | -74.69 |
| V2RG63_0 [dBm] | -63.96 | -61.90 | -62.81 | -62.81 | -75.30 |



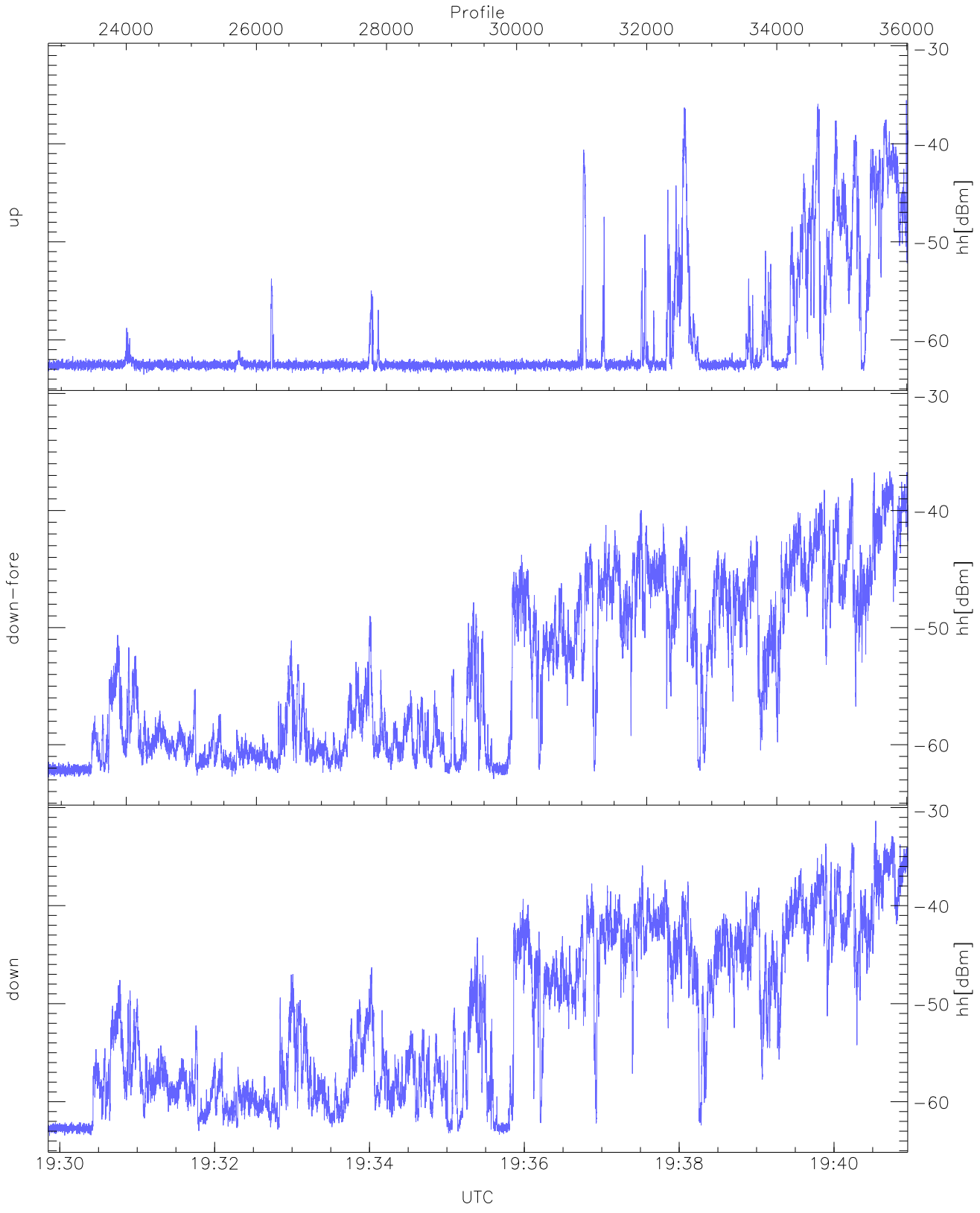

WCR2 CPP Averaged Received power for all recorded gates
blue: 192951-193524, 6608 profiles averaged
red: 193524-194057, 6607 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 192951-193524, 6608 profiles averaged
red: 193524-194057, 6607 profiles averaged

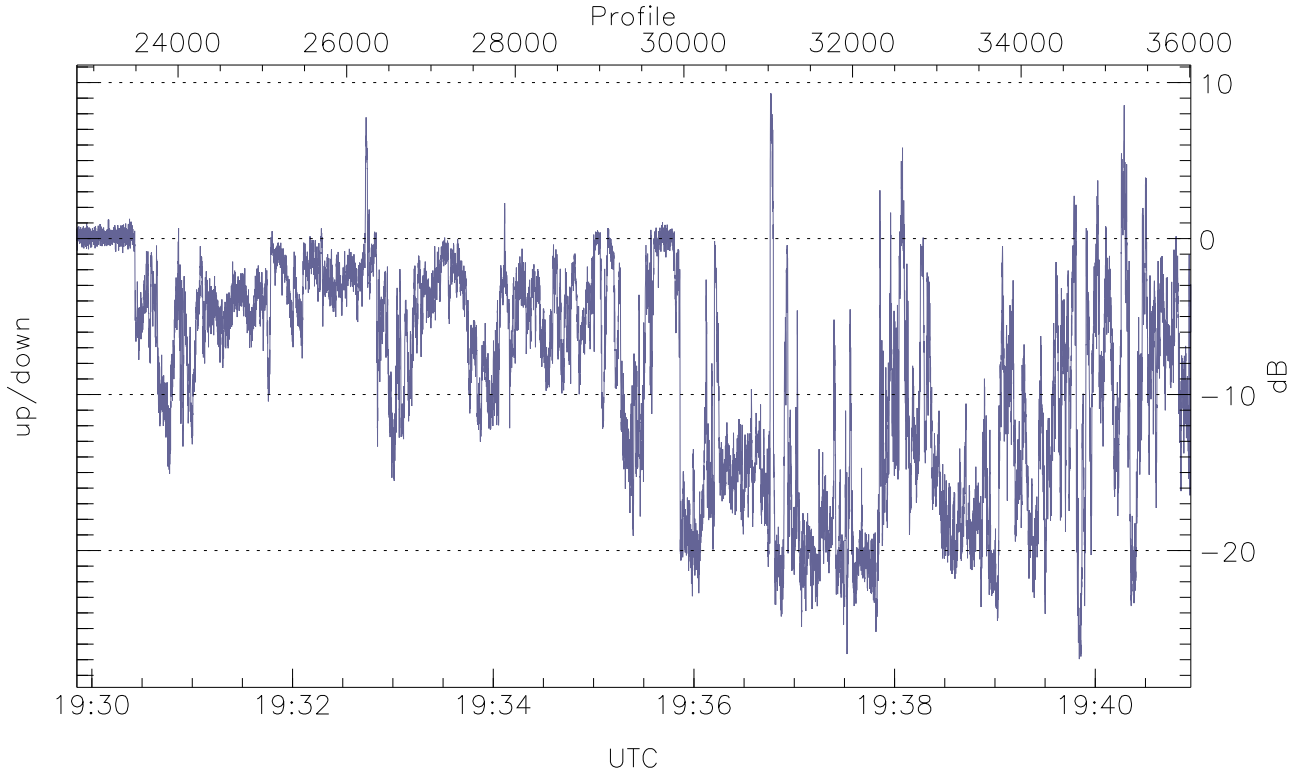


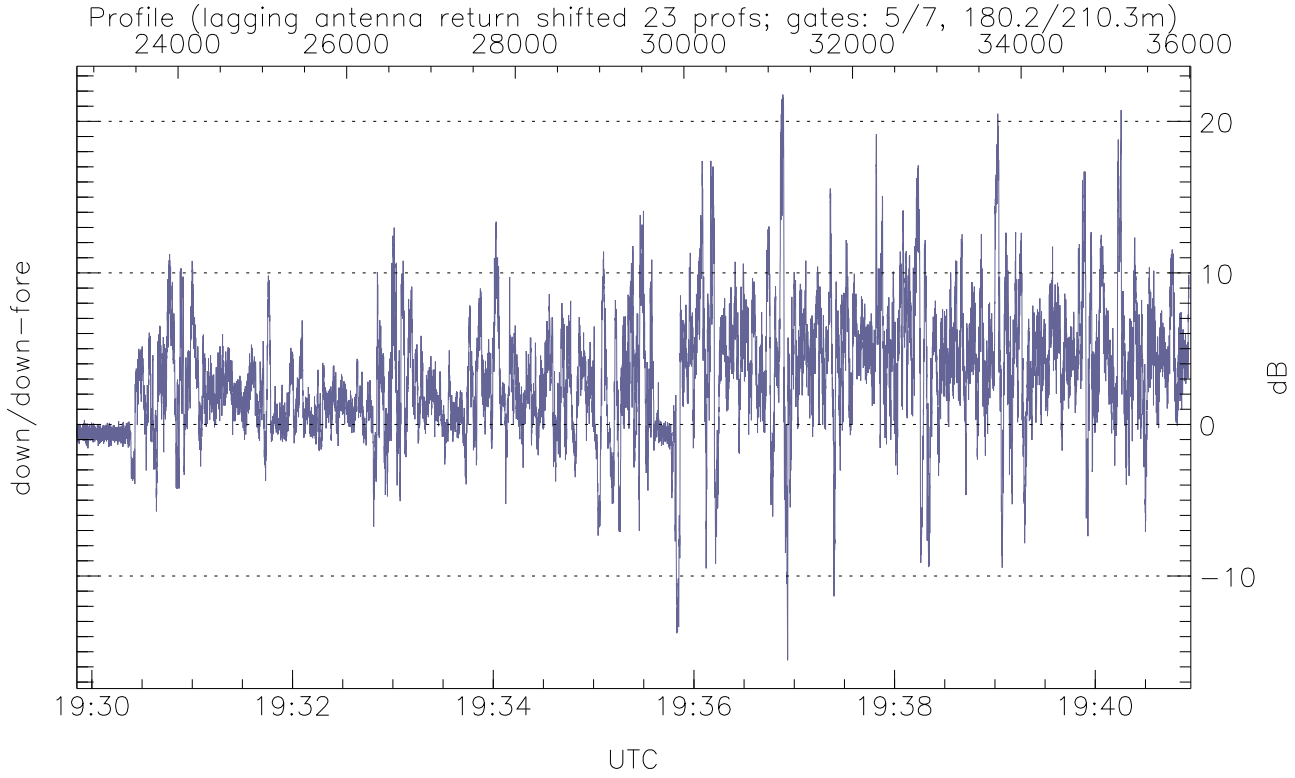

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

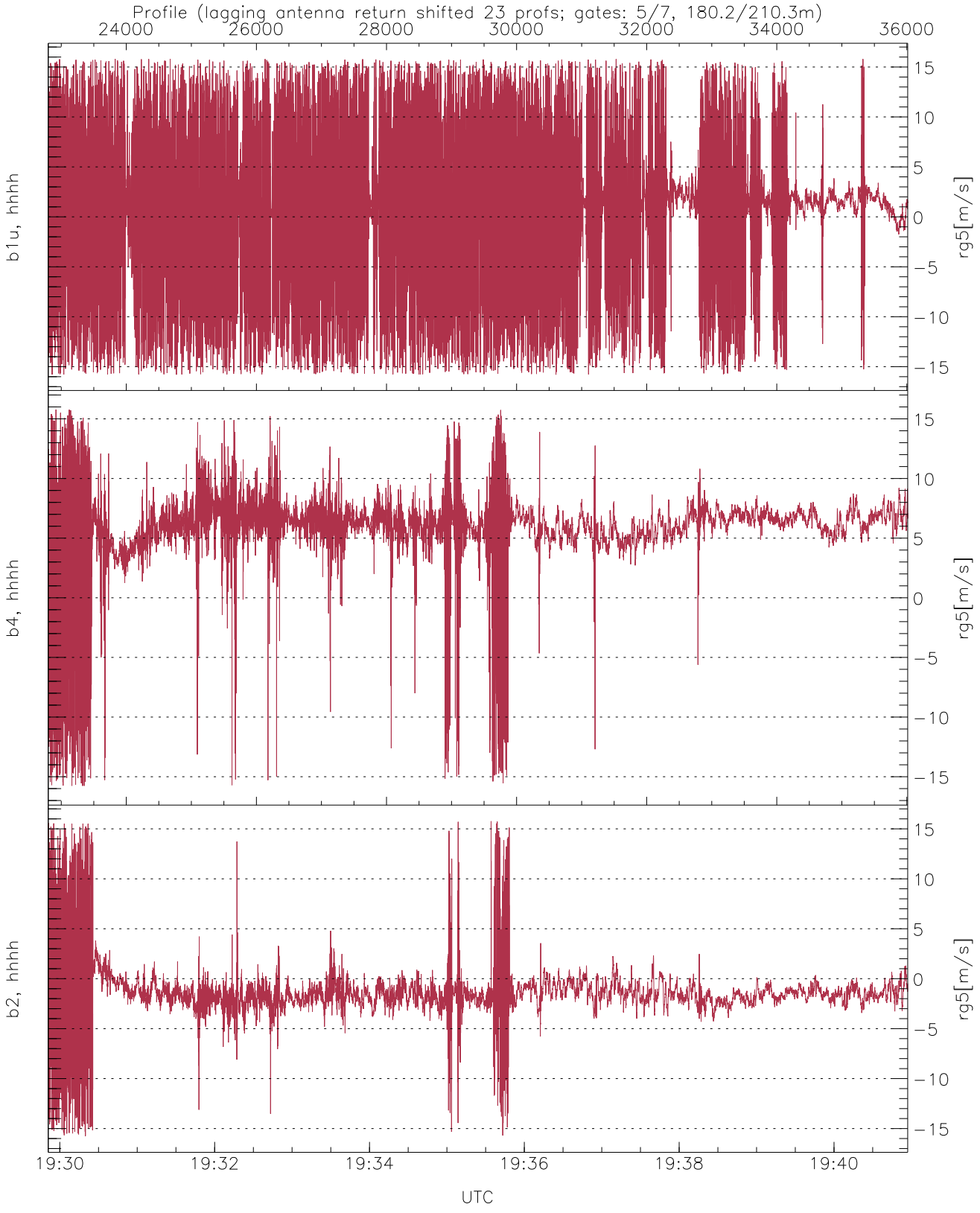
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -63.55 | -35.56 | -52.57 |
| down-fore(hh[dBm]) | -62.93 | -36.66 | -48.37 |
| down(hh[dBm]) | -63.47 | -31.36 | -44.67 |




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

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -26.96 | 9.31 | -8.55 |
| down/down-fore(dB) | -15.56 | 21.77 | 3.10 |




WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | 0.33 | 7.58 |
| b4, hhhh(rg5[m/s]) | -15.77 | 15.78 | 5.70 | 3.30 |
| b2, hhhh(rg5[m/s]) | -15.75 | 15.77 | -1.40 | 2.53 |