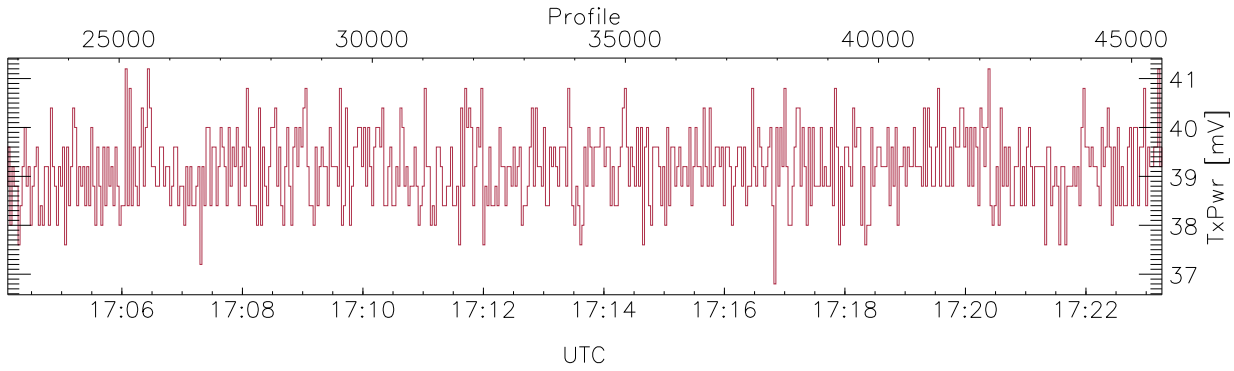
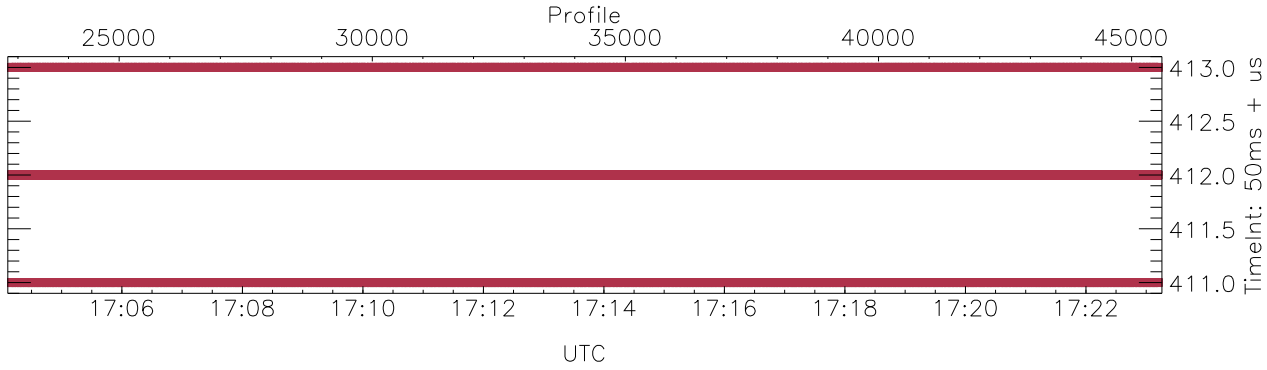
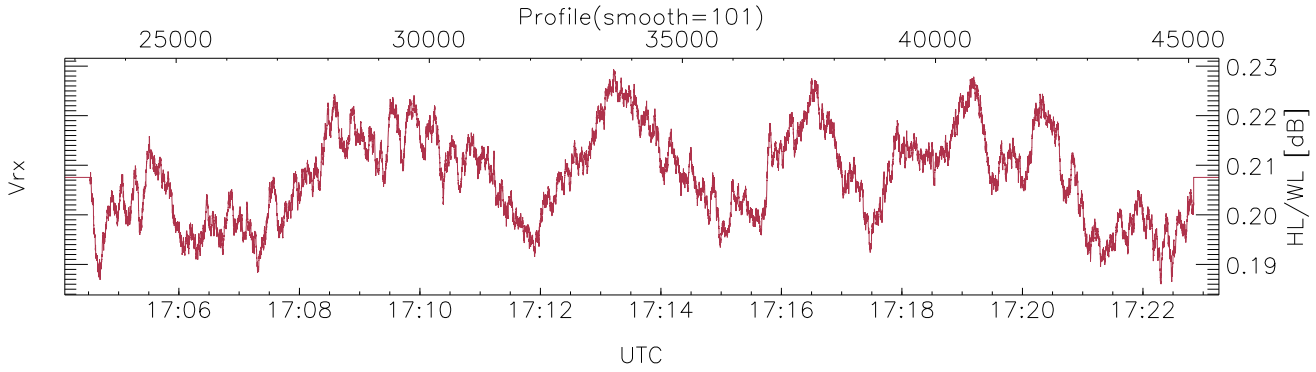
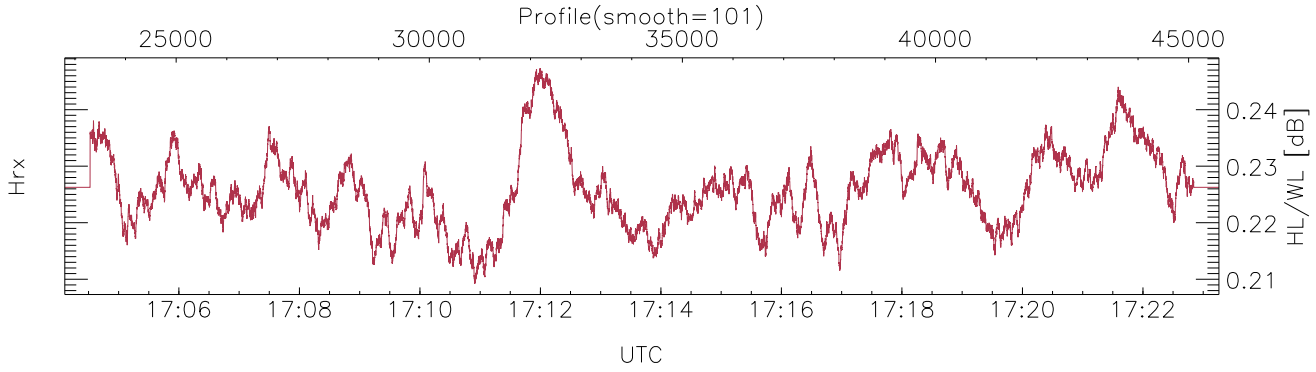


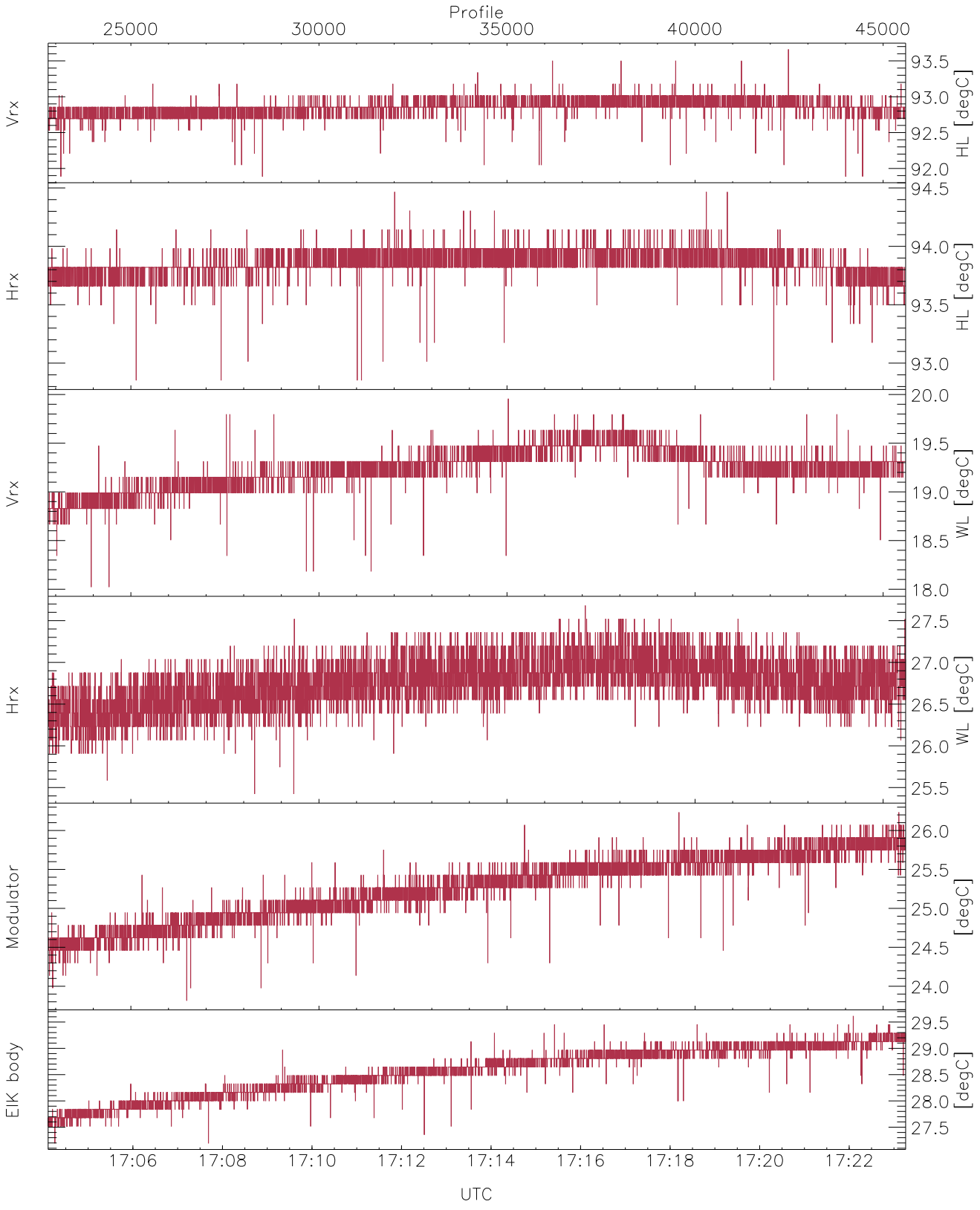



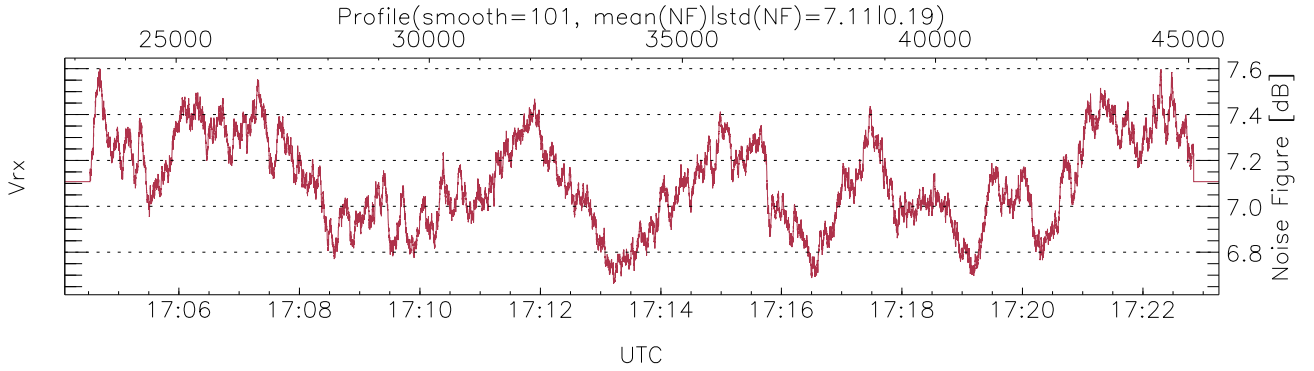

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

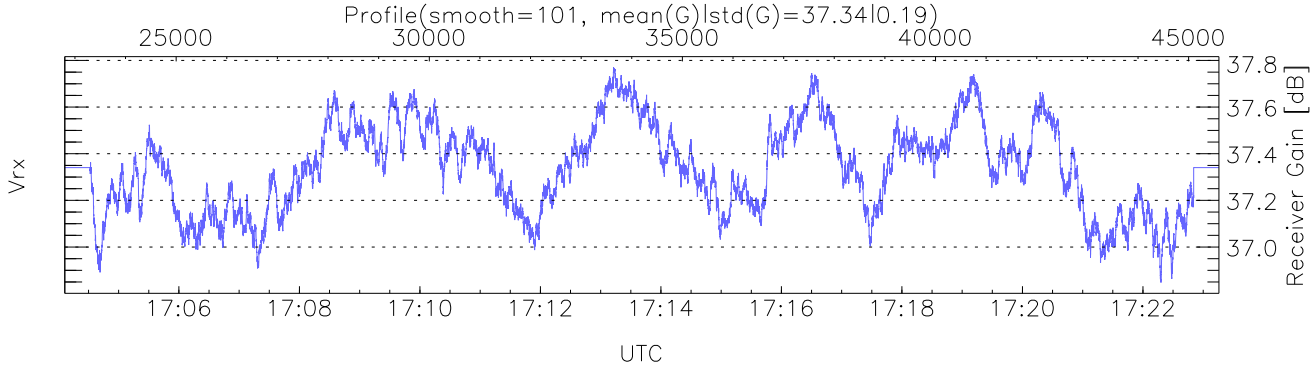
UTC: 16:44:57-17:37:50, Dur: 3172.72s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
NumRec(r/t): 22800/62936, 22800-45599/17:04:06-17:23:16
AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 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

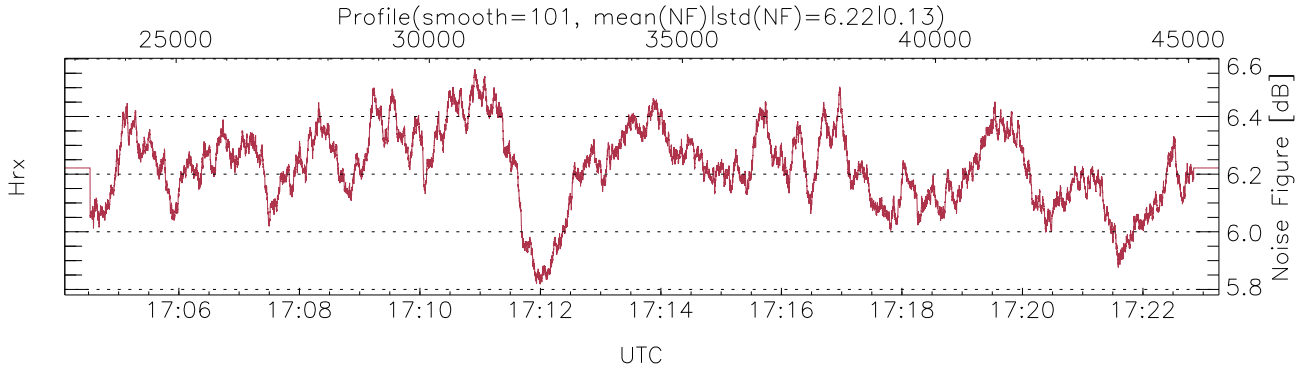


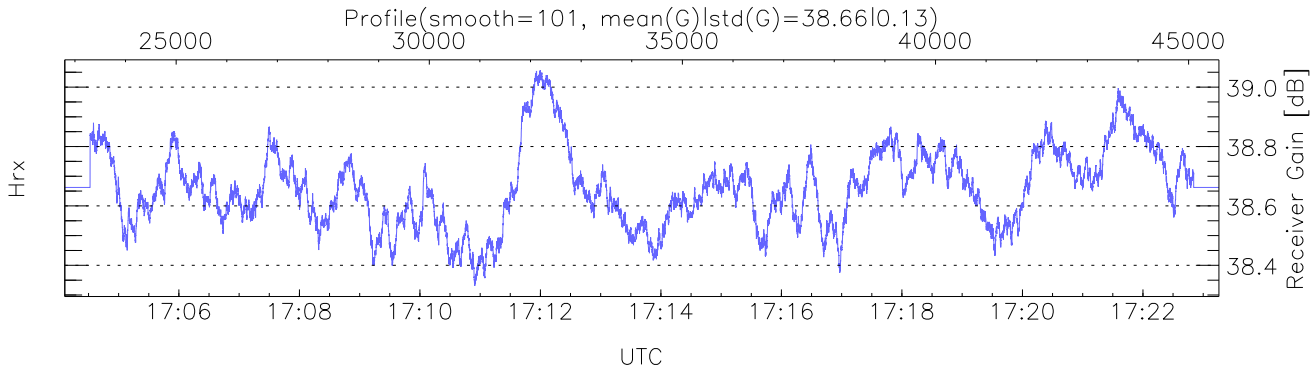

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,18,25,23,27
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,19,27,26,29
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (17,17,17,17,17,16)



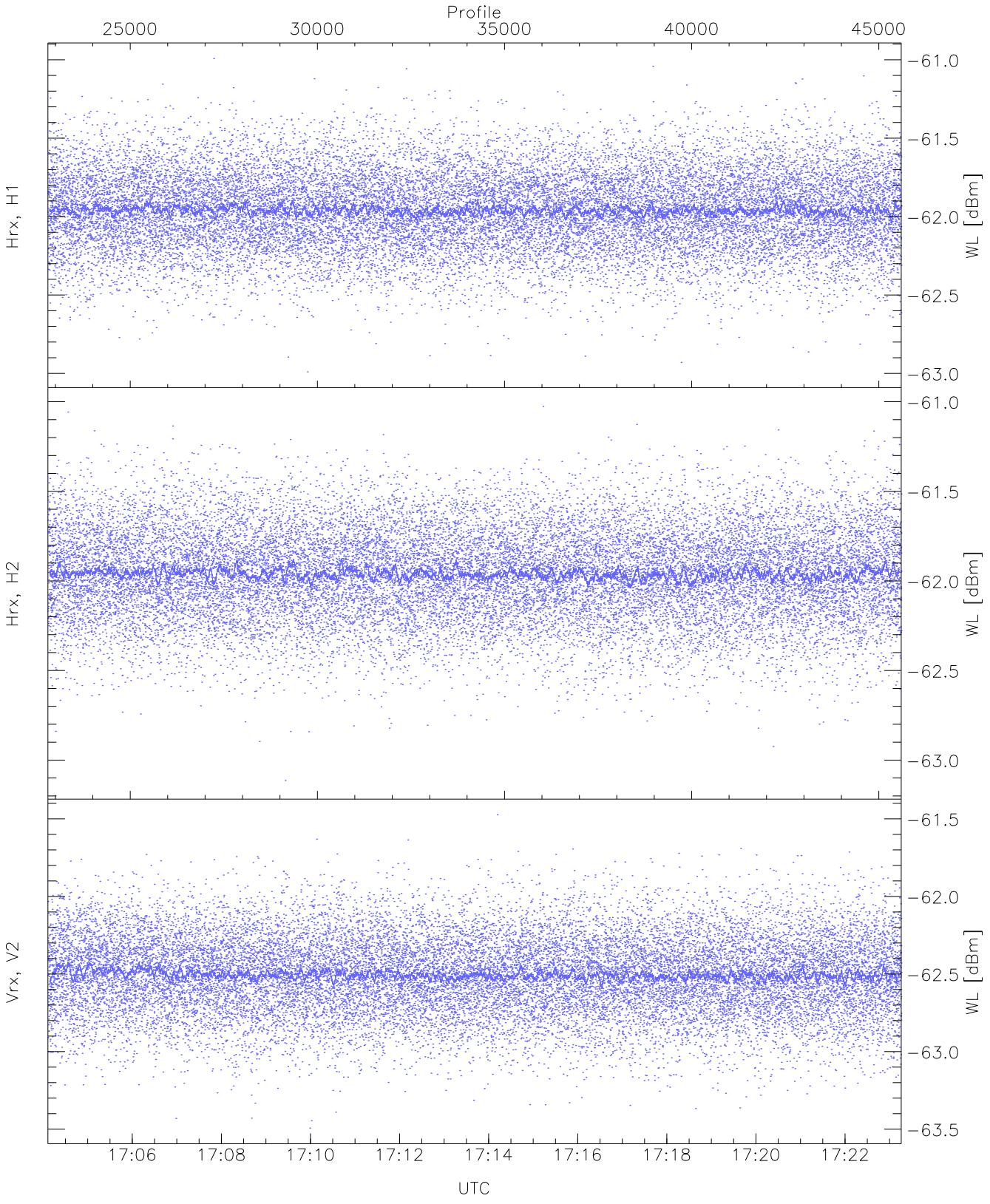



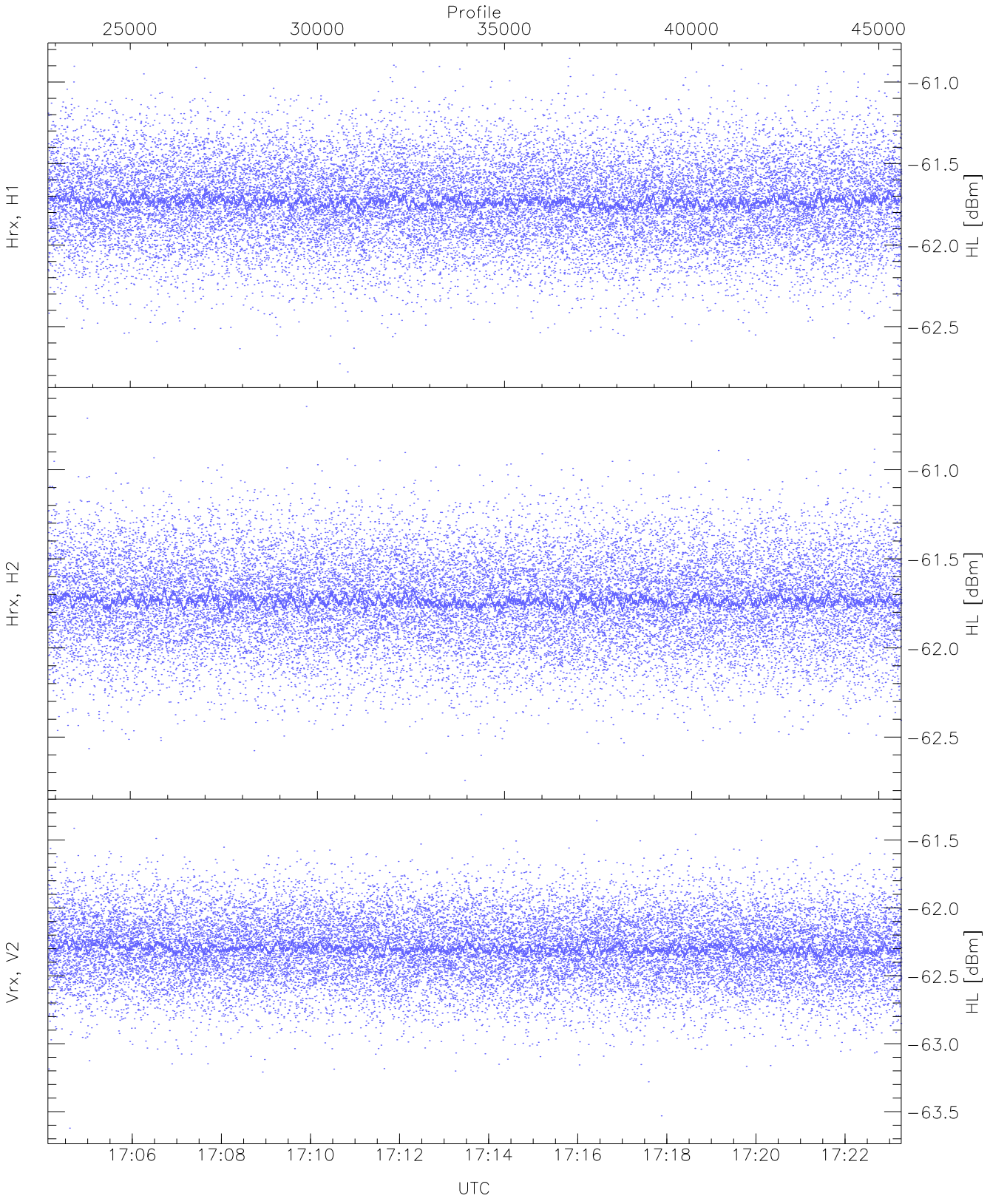

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 1093 pixs, 34 gates, 1083 profs, 1 prods



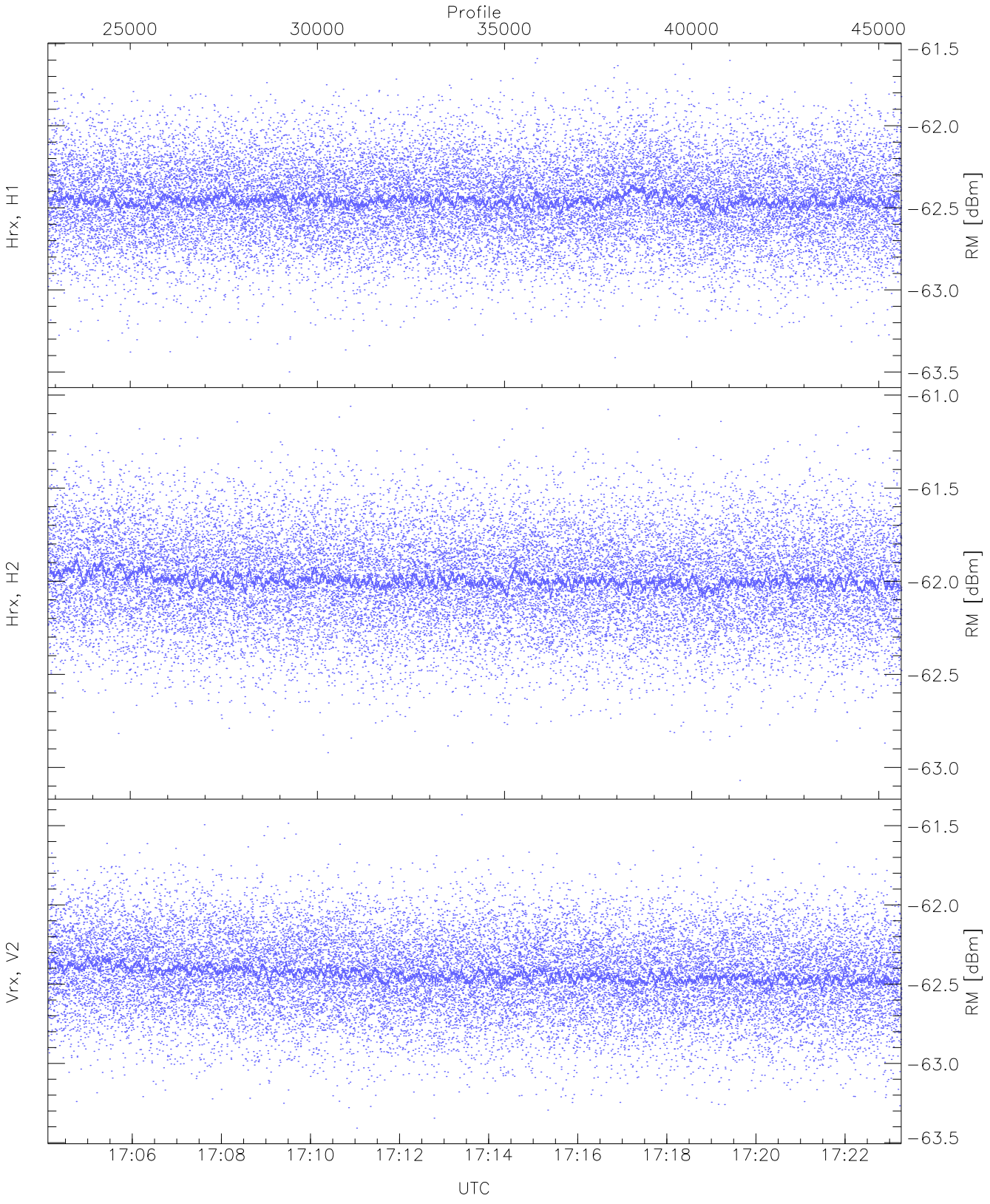

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -62.99 | -60.99 | -61.96 | -61.96 | -74.56 |
| Hrx, H2(WL [dBm]) | -63.11 | -61.03 | -61.96 | -61.96 | -74.51 |
| Vrx, V2(WL [dBm]) | -63.49 | -61.47 | -62.50 | -62.51 | -75.05 |



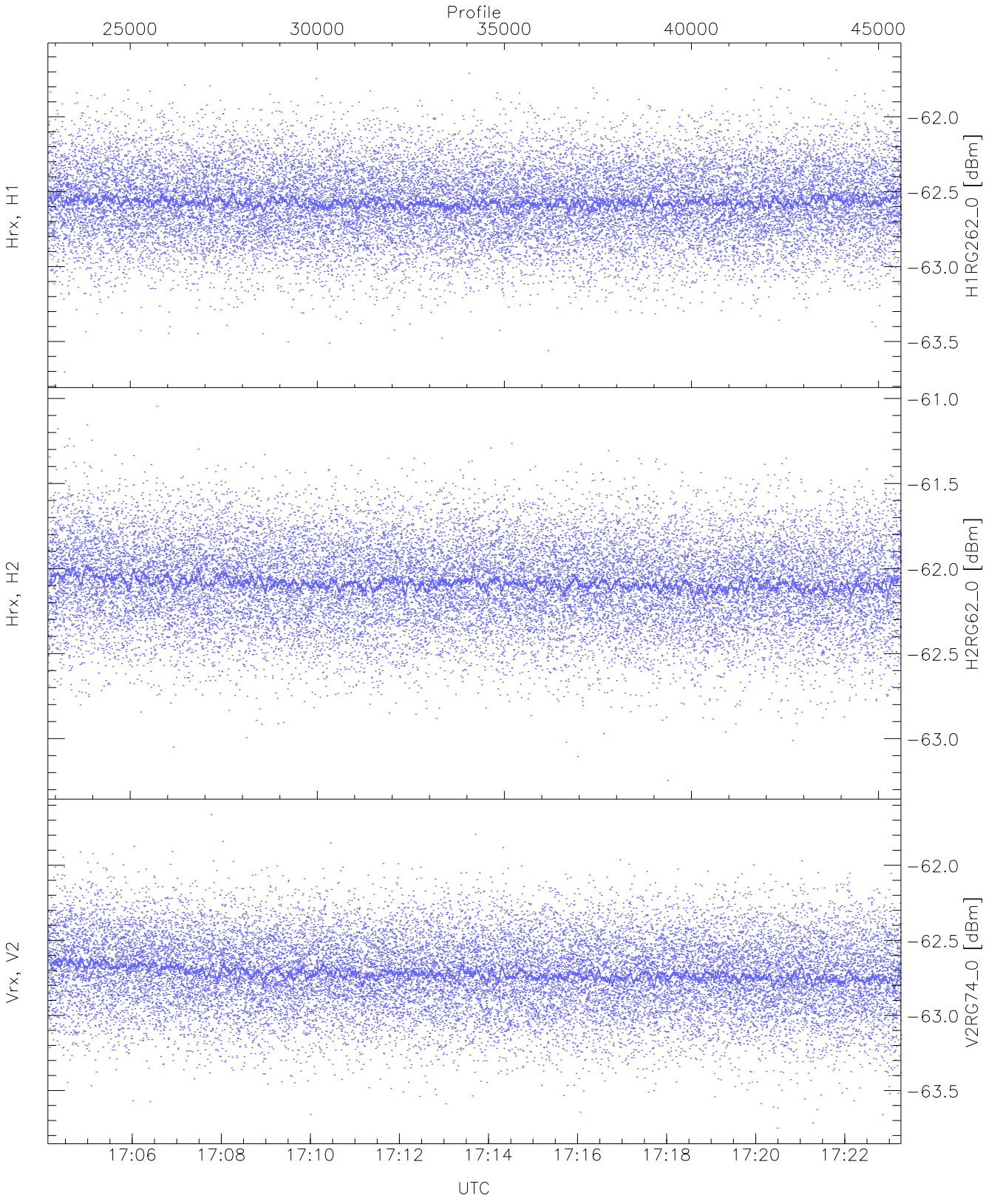

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -62.78 | -60.86 | -61.73 | -61.73 | -74.30 |
| Hrx, H2(HL [dBm]) | -62.74 | -60.64 | -61.73 | -61.73 | -74.33 |
| Vrx, V2(HL [dBm]) | -63.62 | -61.31 | -62.29 | -62.30 | -74.87 |



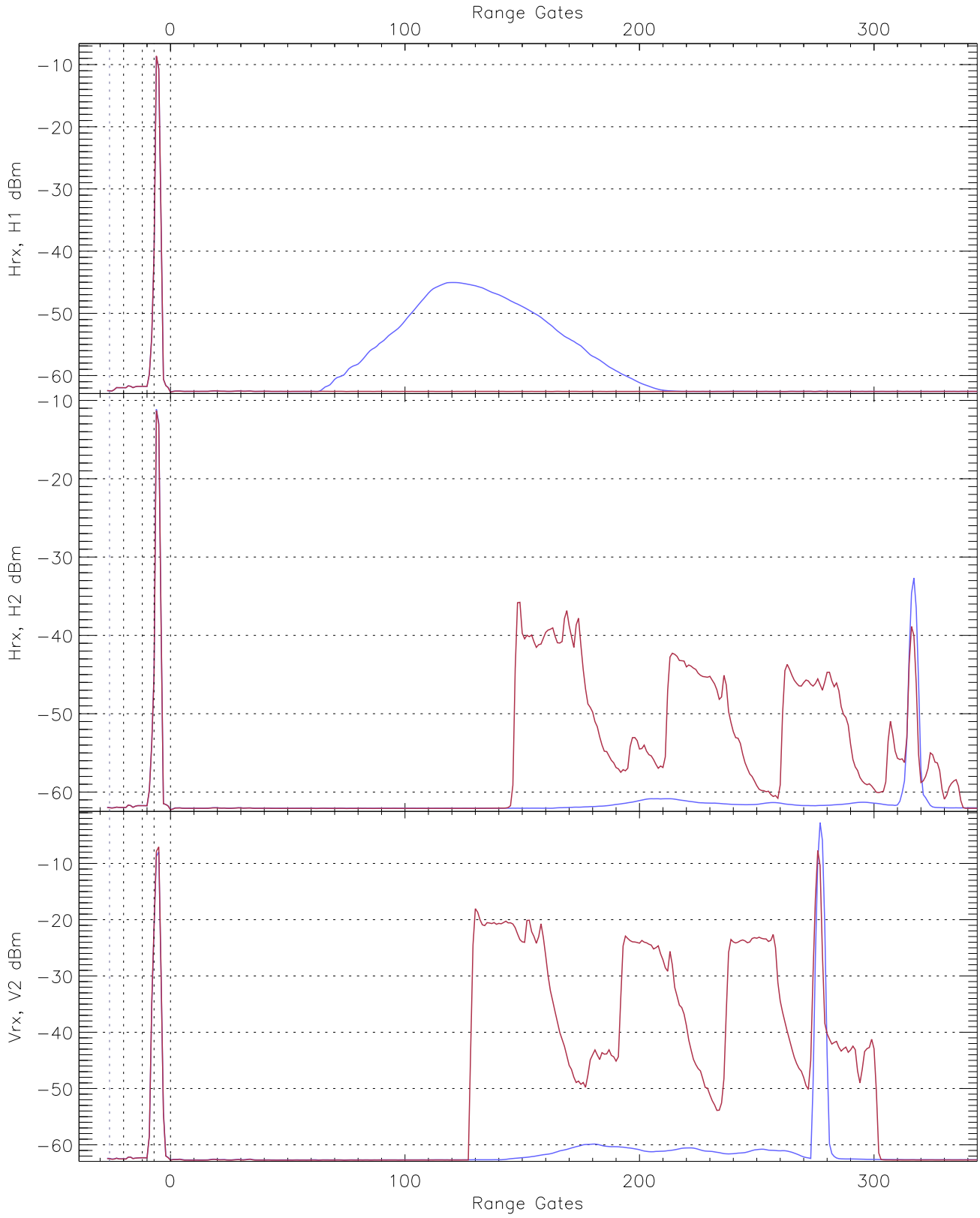

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -63.50 | -61.59 | -62.45 | -62.46 | -75.03 |
| Hrx, H2(RM [dBm]) | -63.07 | -61.06 | -61.99 | -62.00 | -74.54 |
| Vrx, V2(RM [dBm]) | -63.41 | -61.43 | -62.43 | -62.44 | -74.94 |

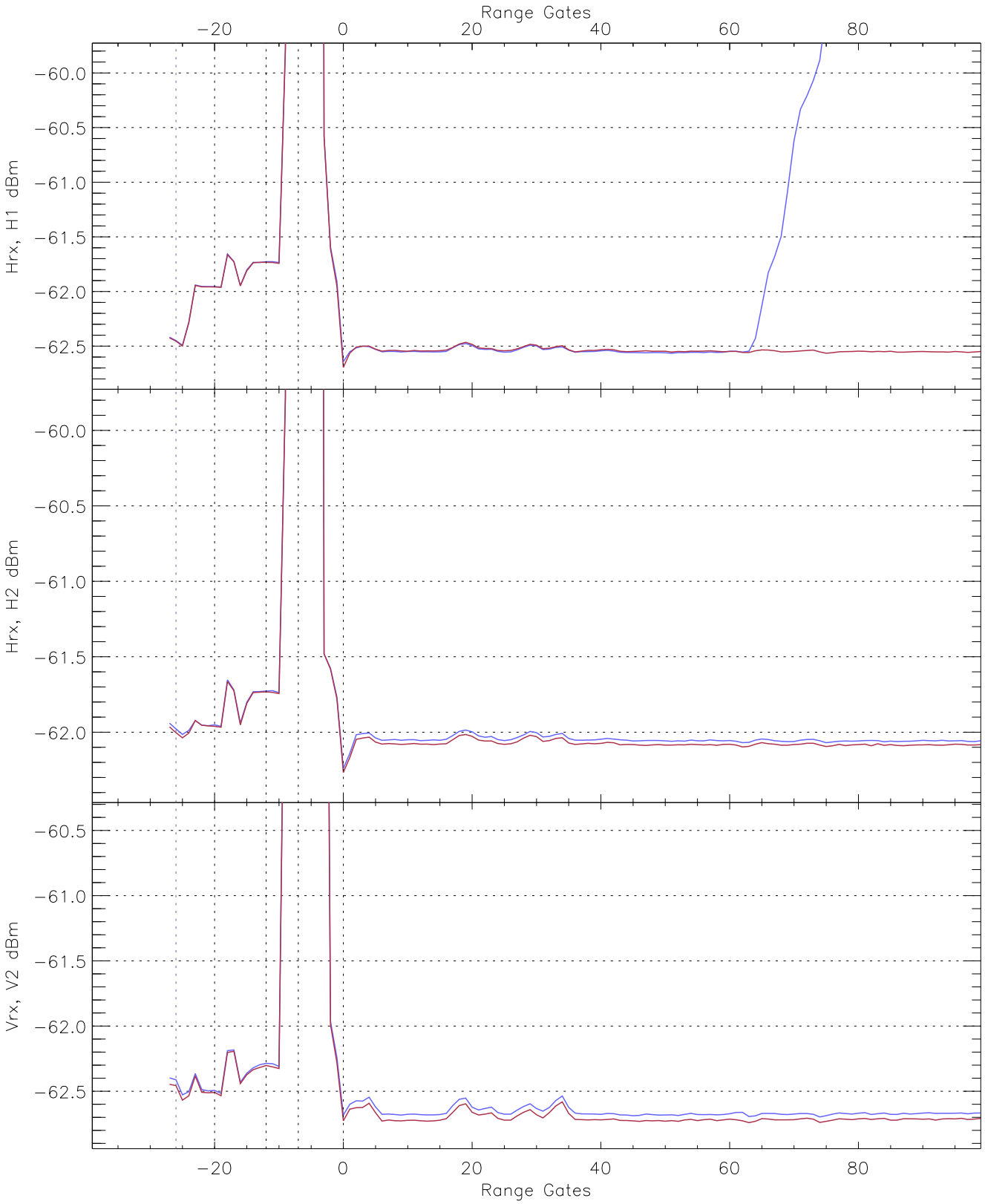



WCR2 CPP "Best" estimate Receivers Noise Power

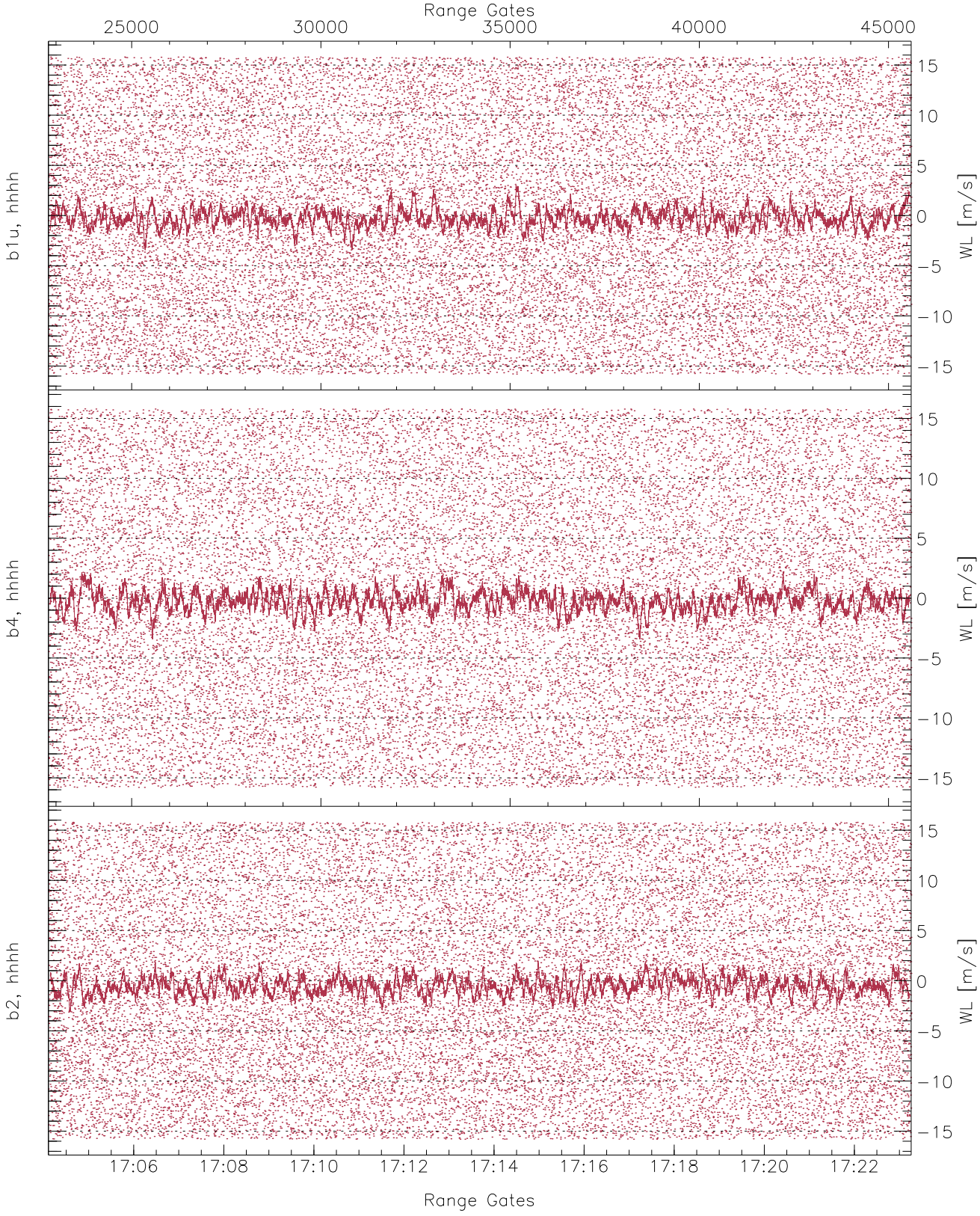
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG262_0 [dBm] | -63.70 | -61.61 | -62.57 | -62.57 | -75.15 |
| H2RG62_0 [dBm] | -63.25 | -61.05 | -62.08 | -62.09 | -74.64 |
| V2RG74_0 [dBm] | -63.75 | -61.66 | -62.72 | -62.72 | -75.24 |



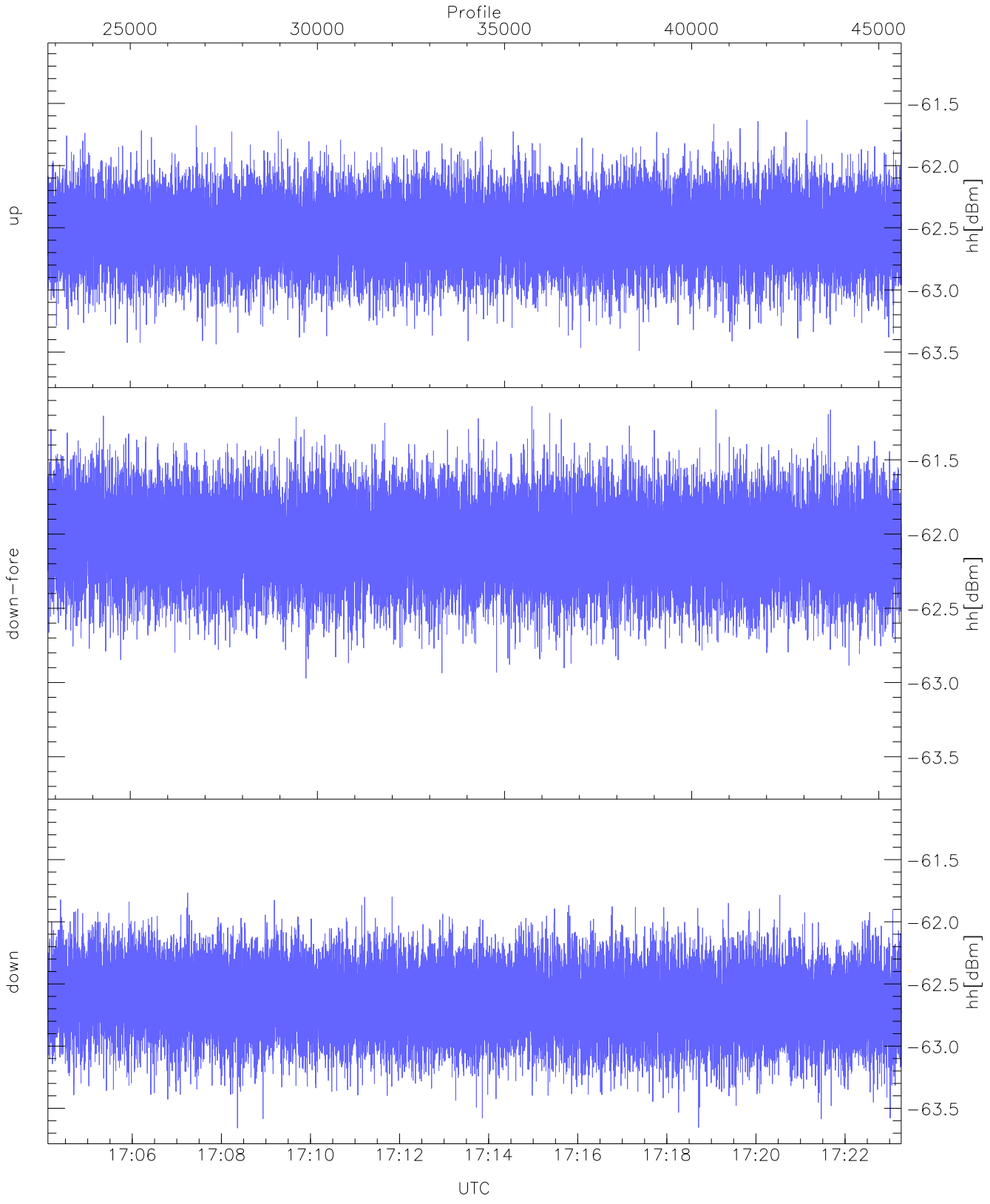

WCR2 CPP Averaged Received power for all recorded gates
blue: 170406-171341, 11401 profiles averaged
red: 171341-172316, 11400 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 170406-171341, 11401 profiles averaged
red: 171341-172316, 11400 profiles averaged

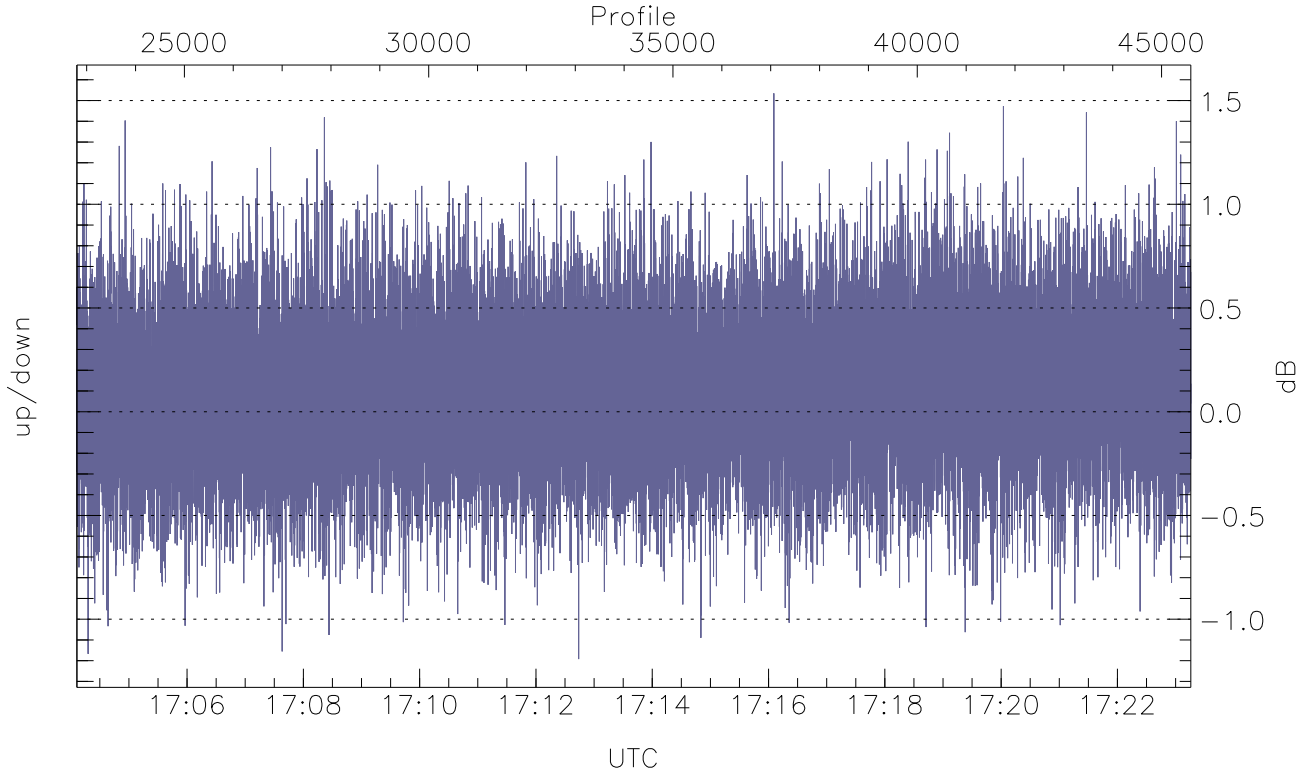


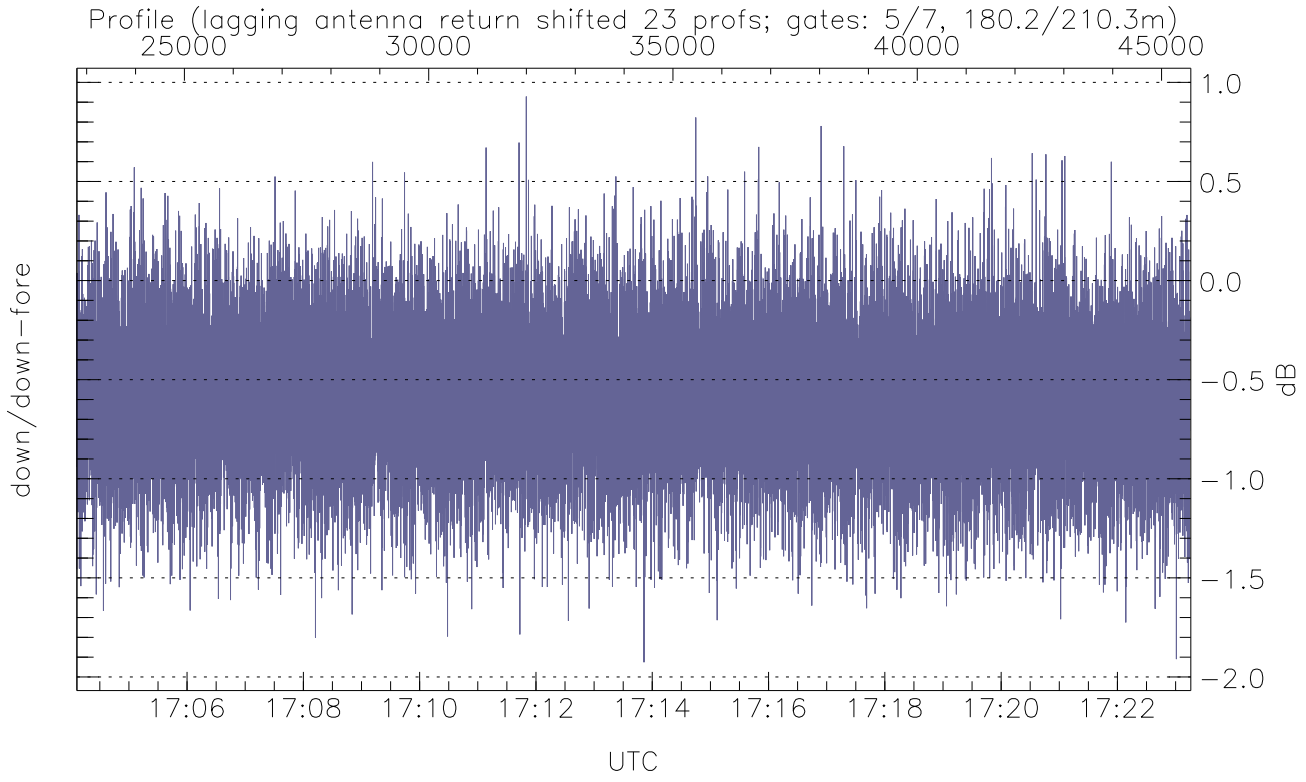

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

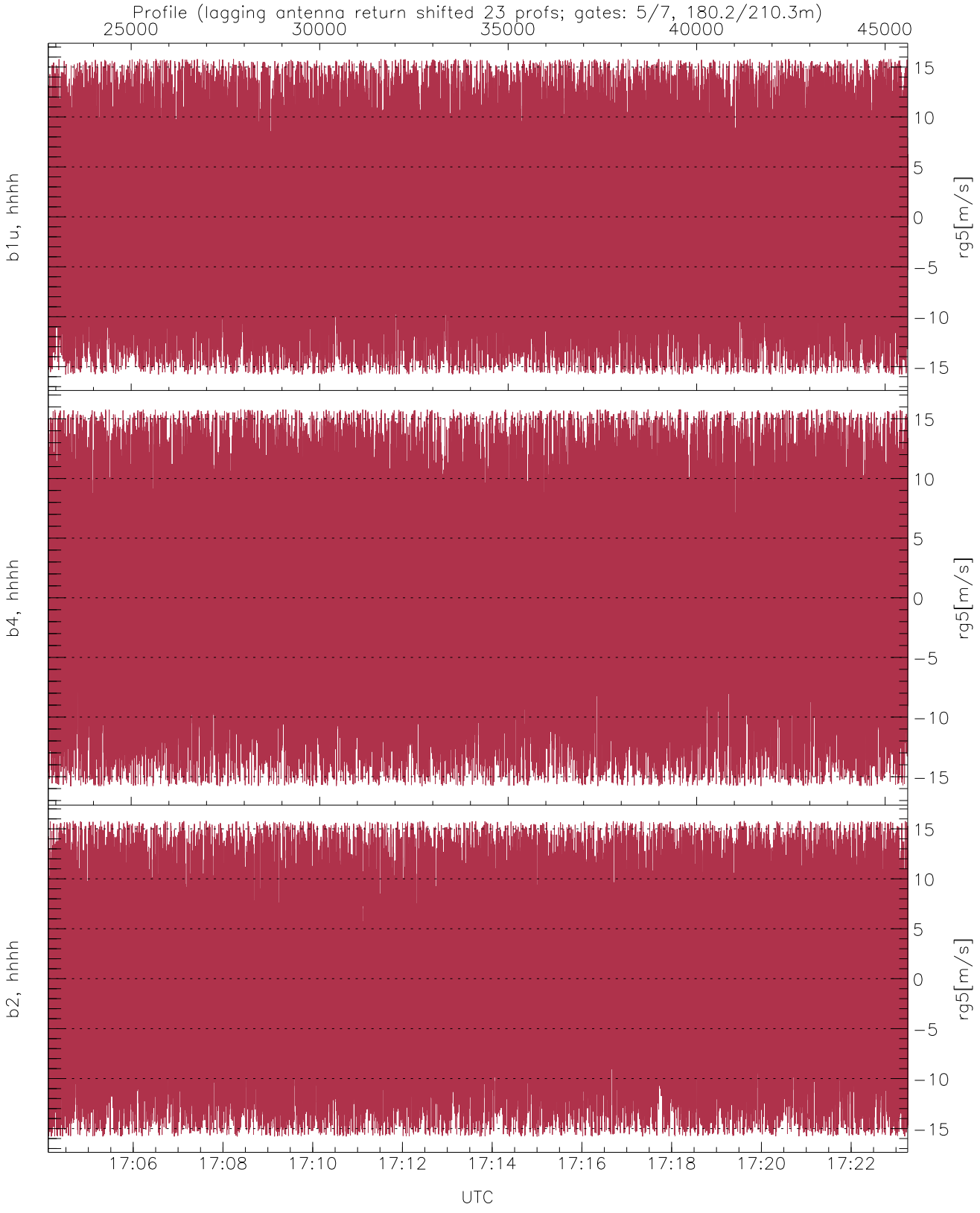
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -63.49 | -61.63 | -62.53 |
| down-fore(hh[dBm]) | -62.97 | -61.14 | -62.05 |
| down(hh[dBm]) | -63.66 | -61.77 | -62.64 |




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

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -1.19 | 1.53 | 0.11 |
| down/down-fore(dB) | -1.93 | 0.93 | -0.58 |




WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.30 | 8.95 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.13 | 8.95 |
| b2, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.55 | 8.92 |