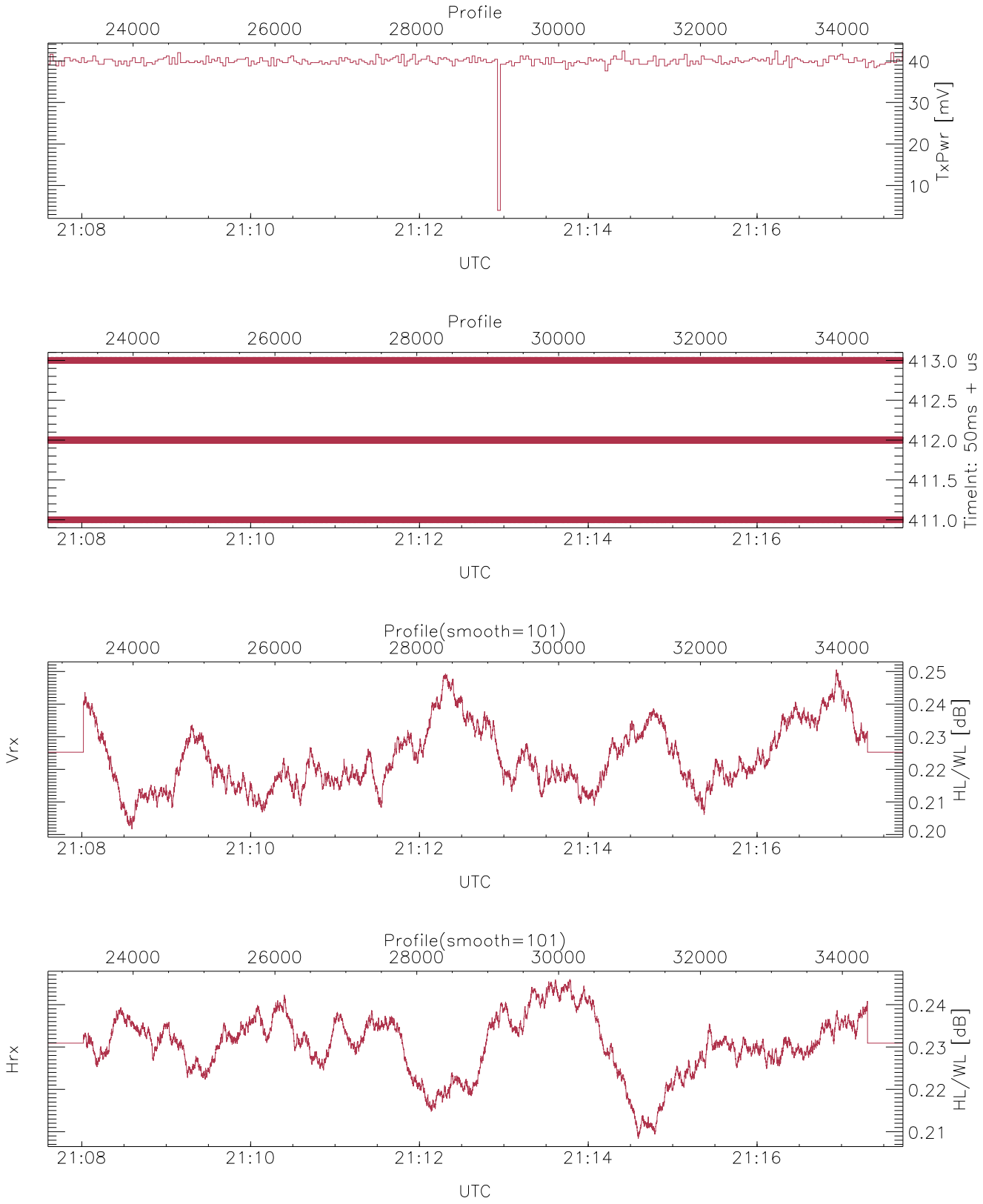
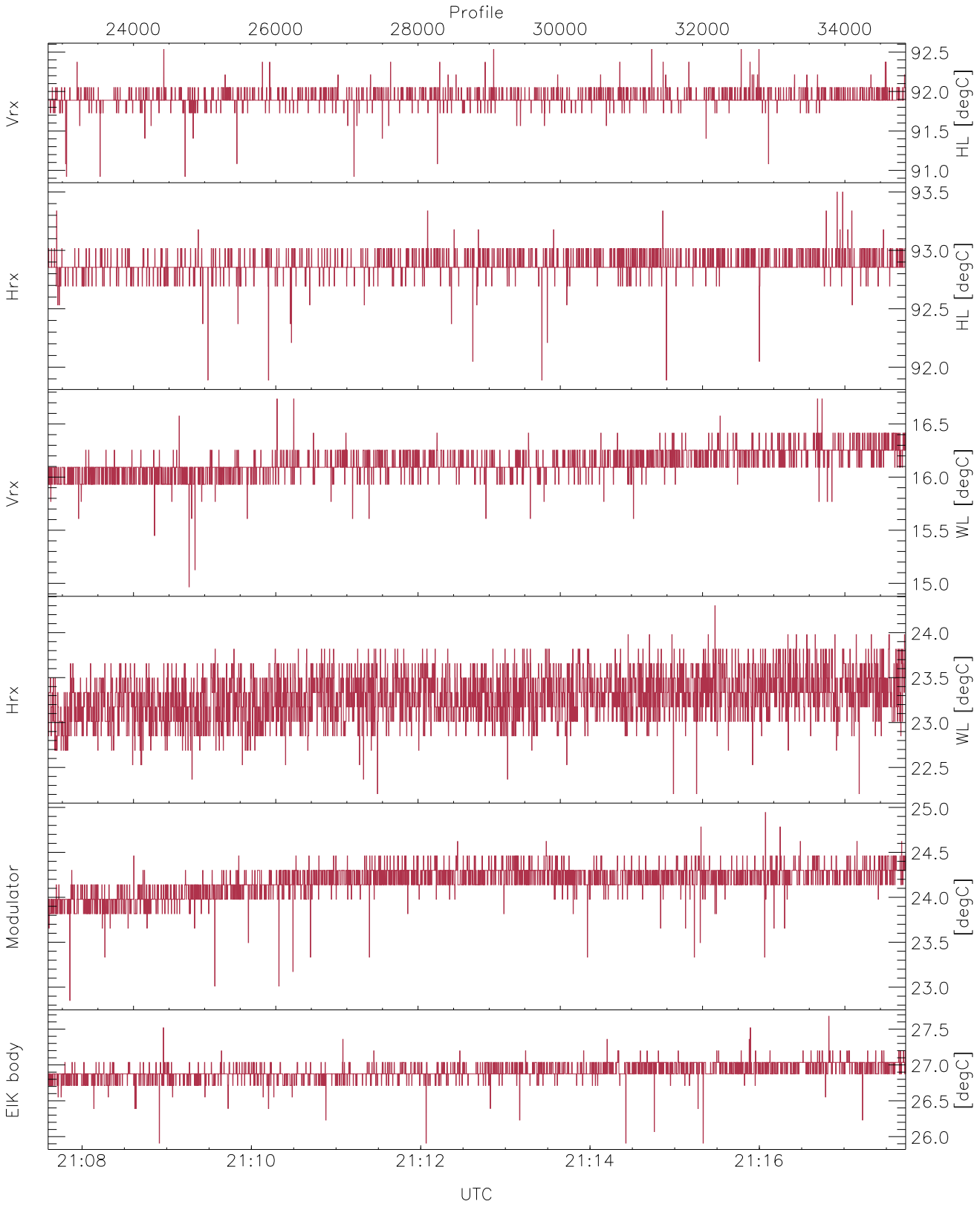


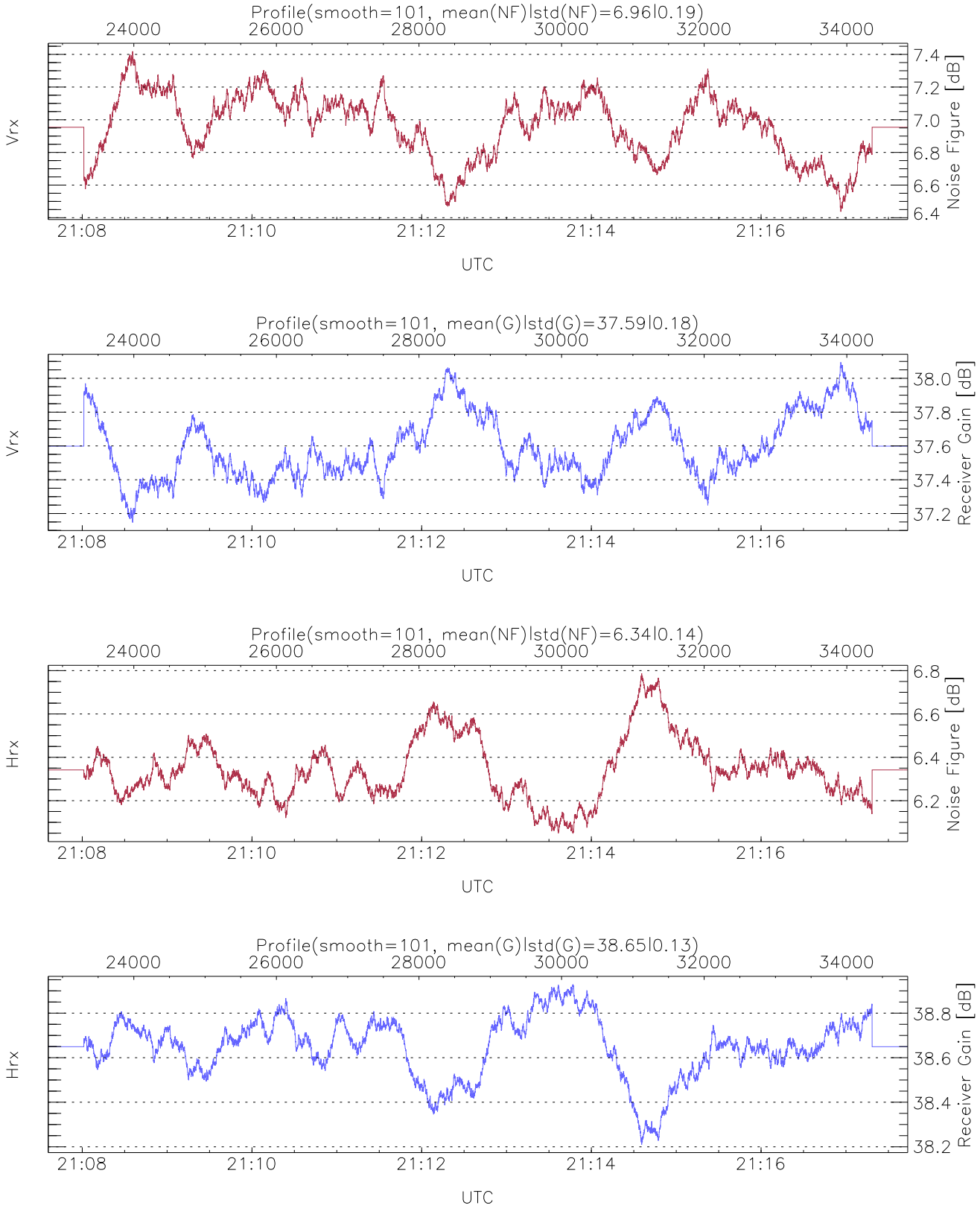

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 20:48:27-21:17:44, Dur: 1757.13s
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): 12056/34856, 22800-34855/21:07:36-21:17:44
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



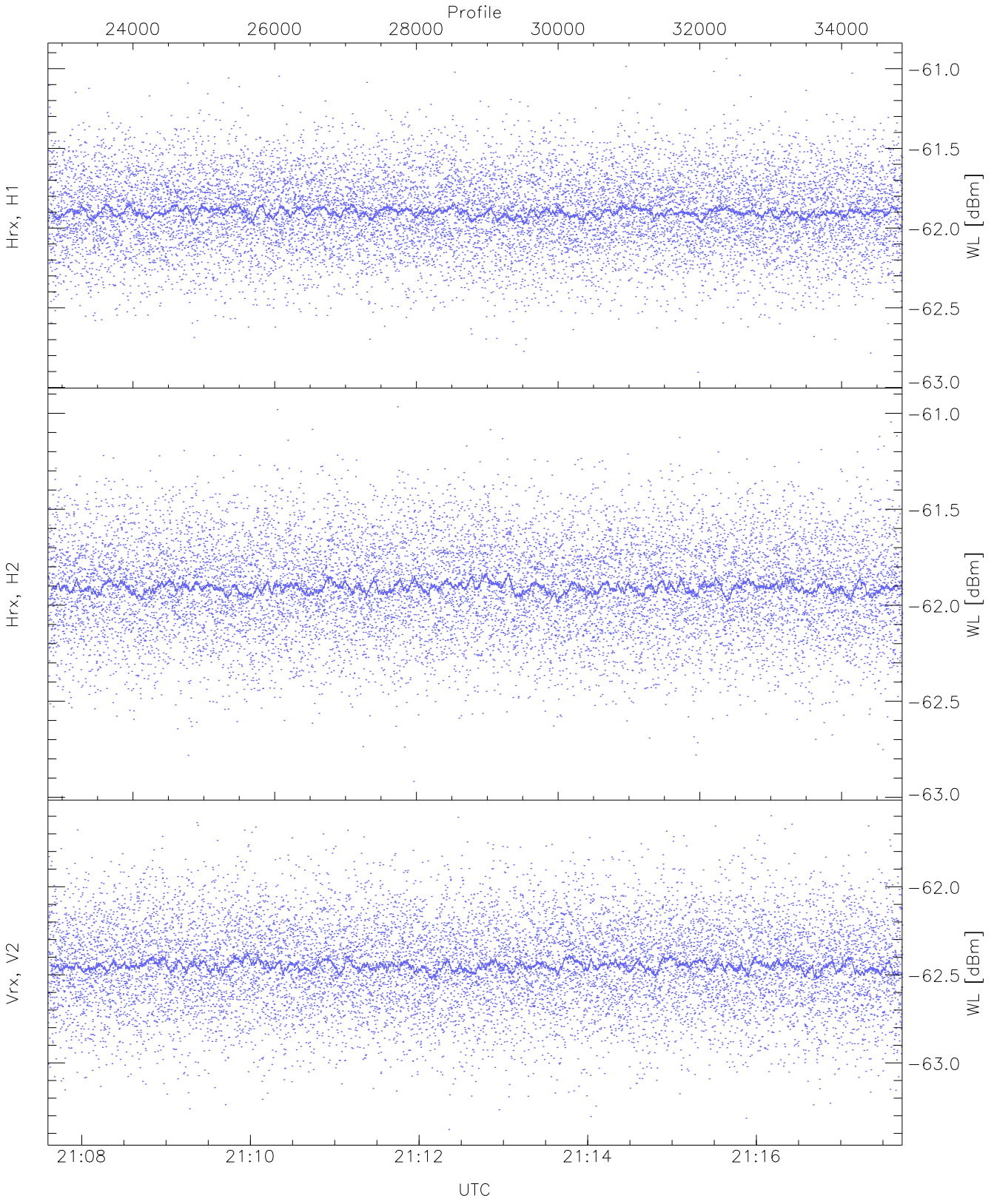

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,14,22,22,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,16,24,24,27
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (5,5,5,5,5,5)



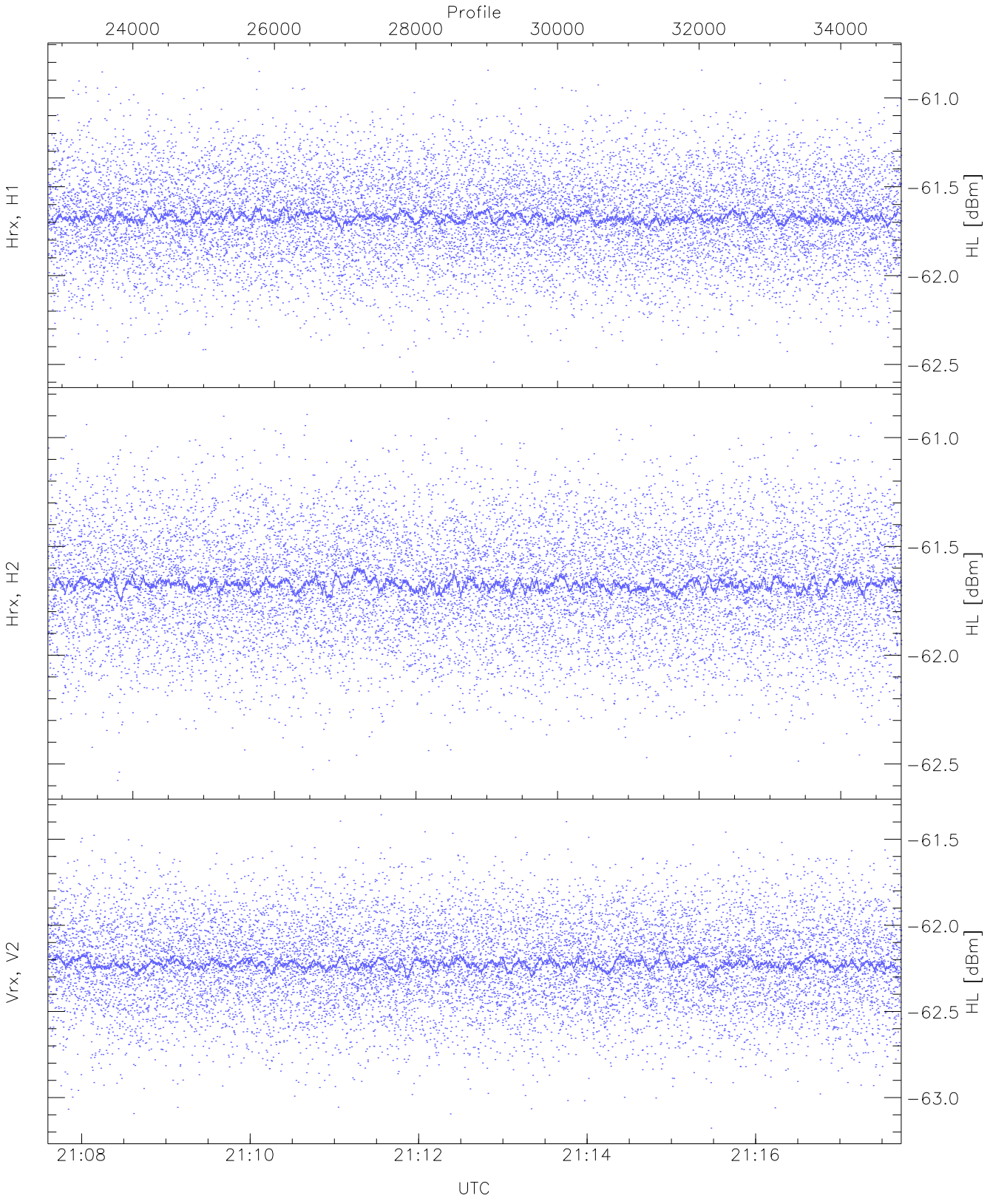

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 1972 pixs, 13 gates, 1962 profs, 1 prods



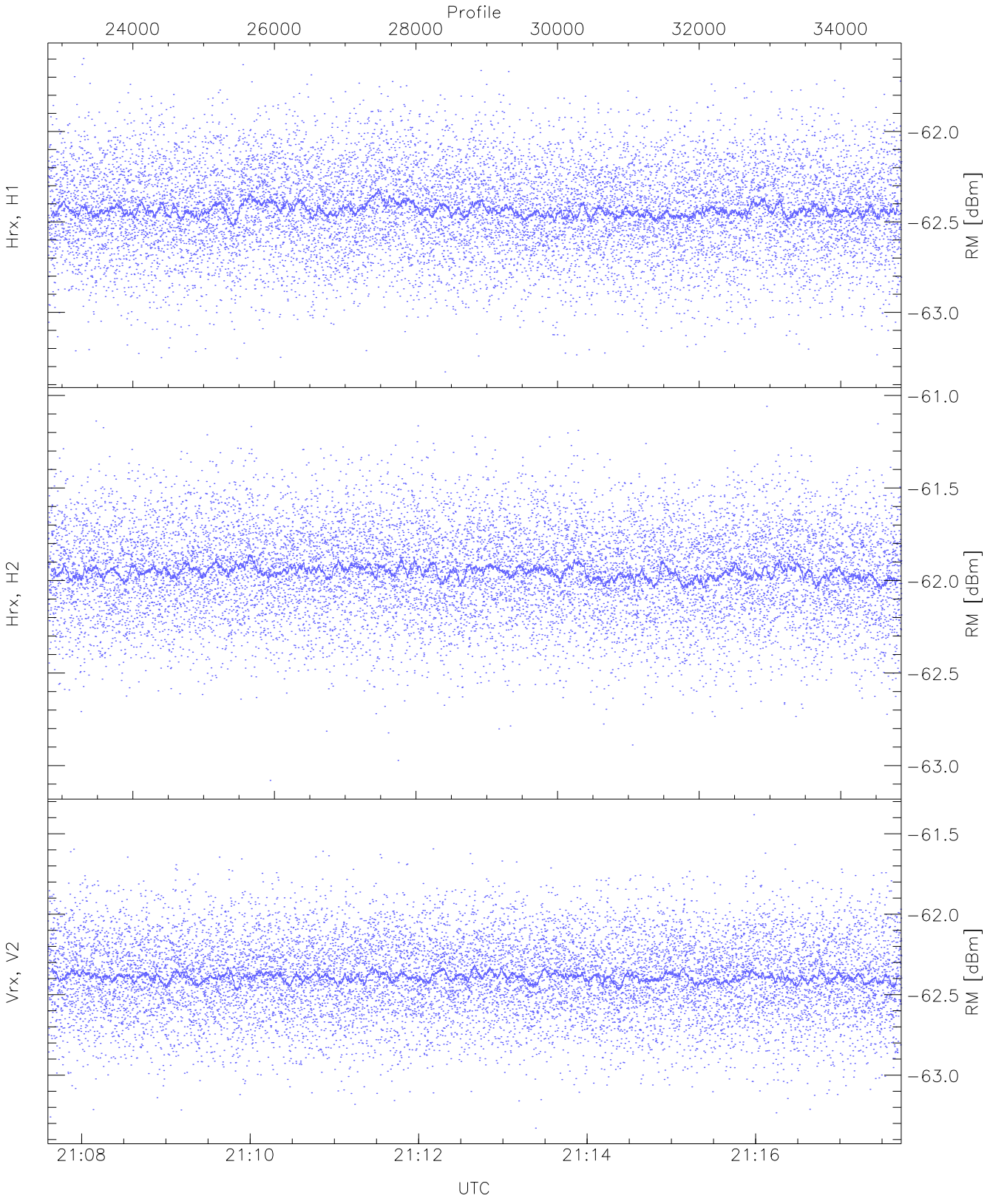

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -62.90 | -60.94 | -61.90 | -61.90 | -74.50 |
| Hrx, H2(WL [dBm]) | -62.92 | -60.97 | -61.90 | -61.91 | -74.45 |
| Vrx, V2(WL [dBm]) | -63.38 | -61.60 | -62.44 | -62.45 | -74.93 |



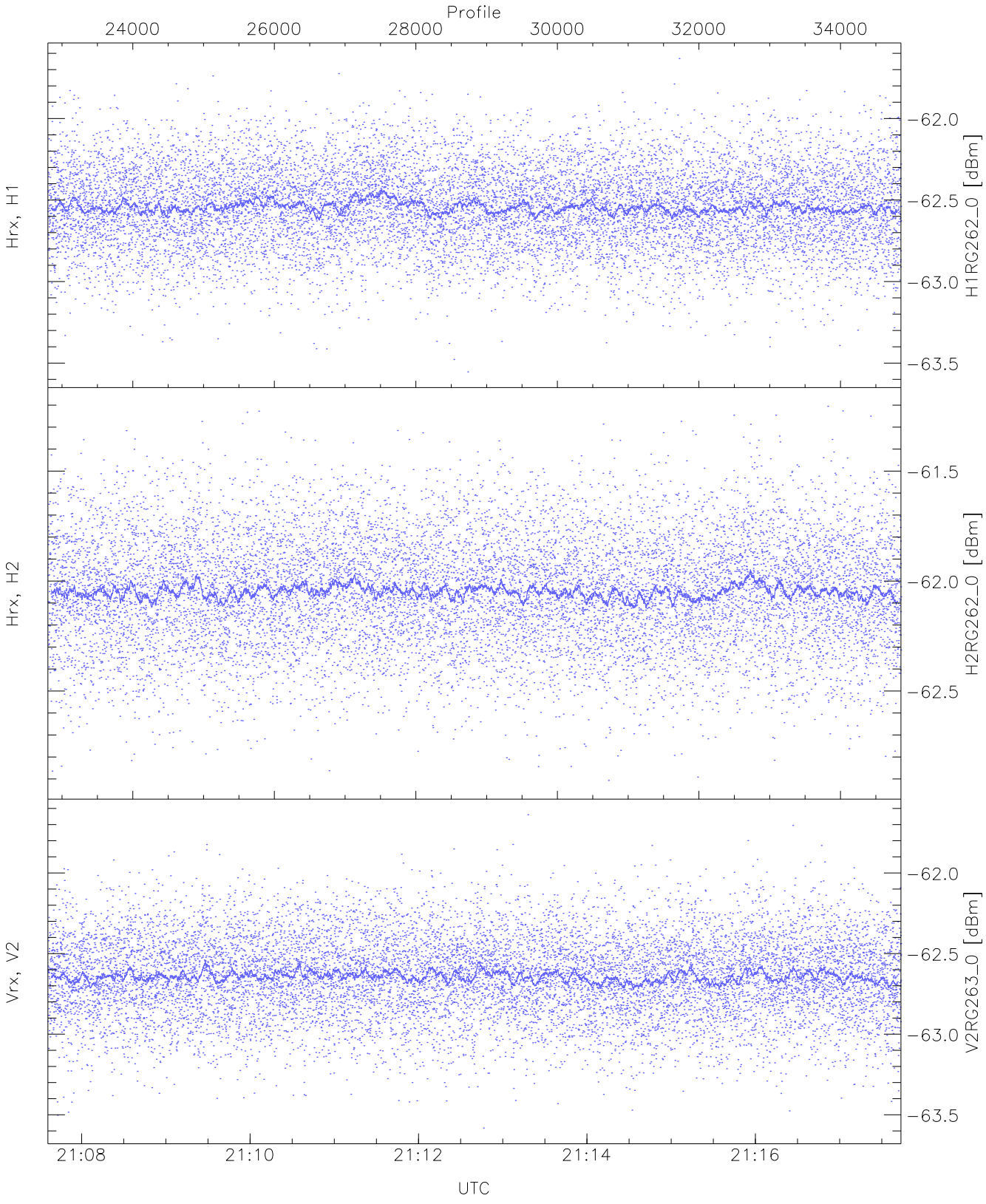

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -62.54 | -60.78 | -61.67 | -61.67 | -74.28 |
| Hrx, H2(HL [dBm]) | -62.58 | -60.86 | -61.67 | -61.68 | -74.26 |
| Vrx, V2(HL [dBm]) | -63.18 | -61.36 | -62.22 | -62.22 | -74.78 |



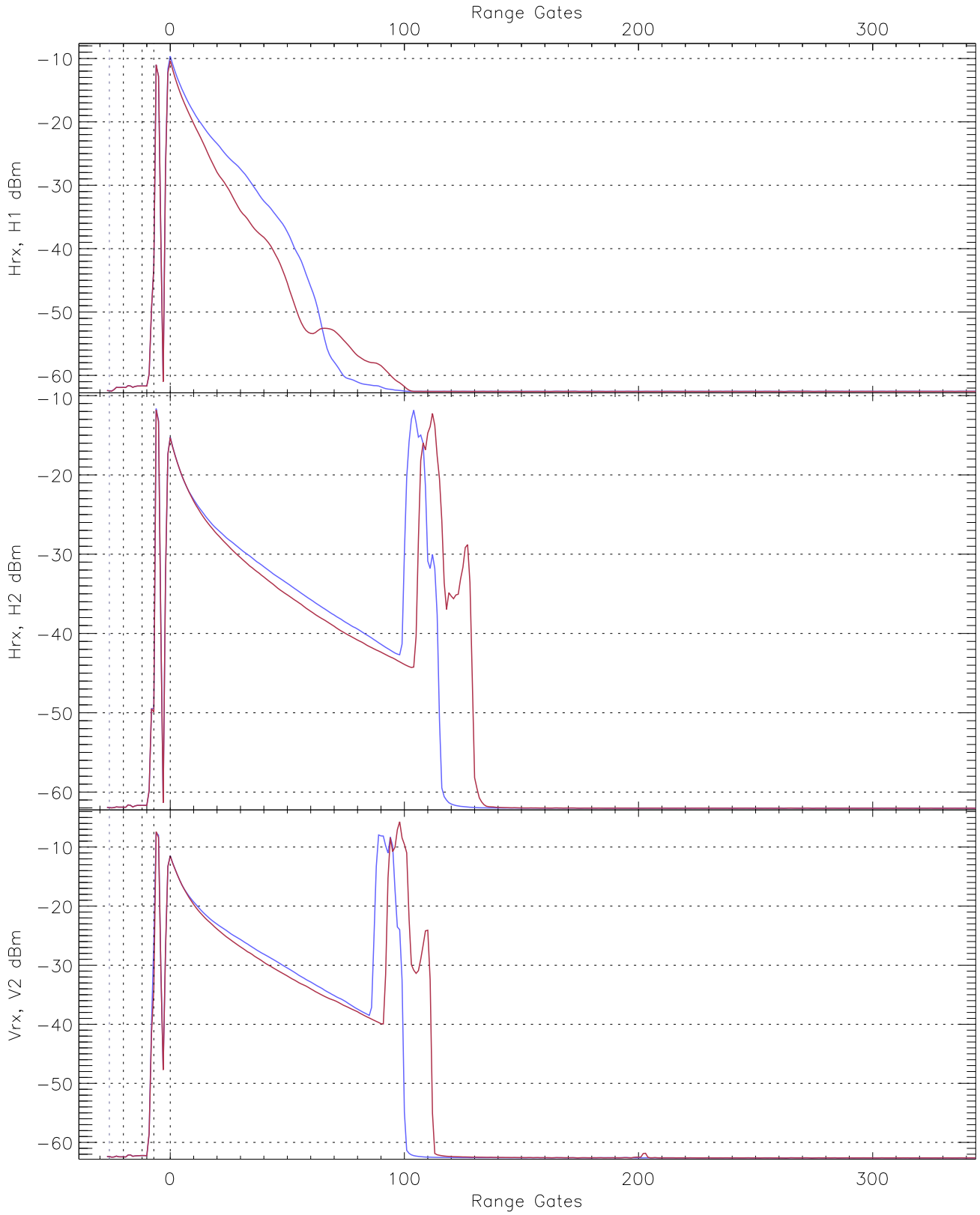

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -63.33 | -61.60 | -62.43 | -62.43 | -75.00 |
| Hrx, H2(RM [dBm]) | -63.08 | -61.06 | -61.95 | -61.95 | -74.50 |
| Vrx, V2(RM [dBm]) | -63.33 | -61.38 | -62.39 | -62.39 | -74.90 |

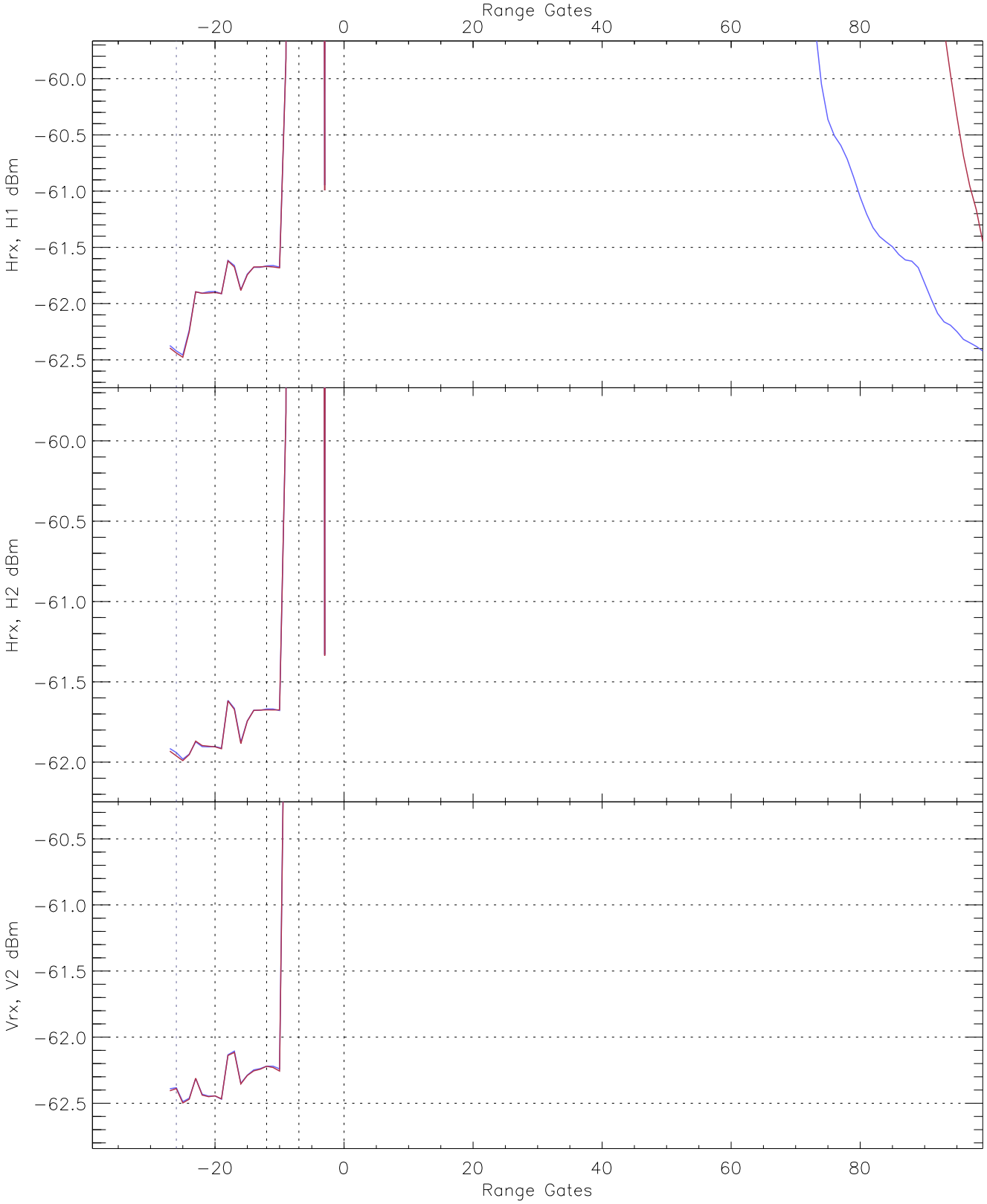



WCR2 CPP "Best" estimate Receivers Noise Power

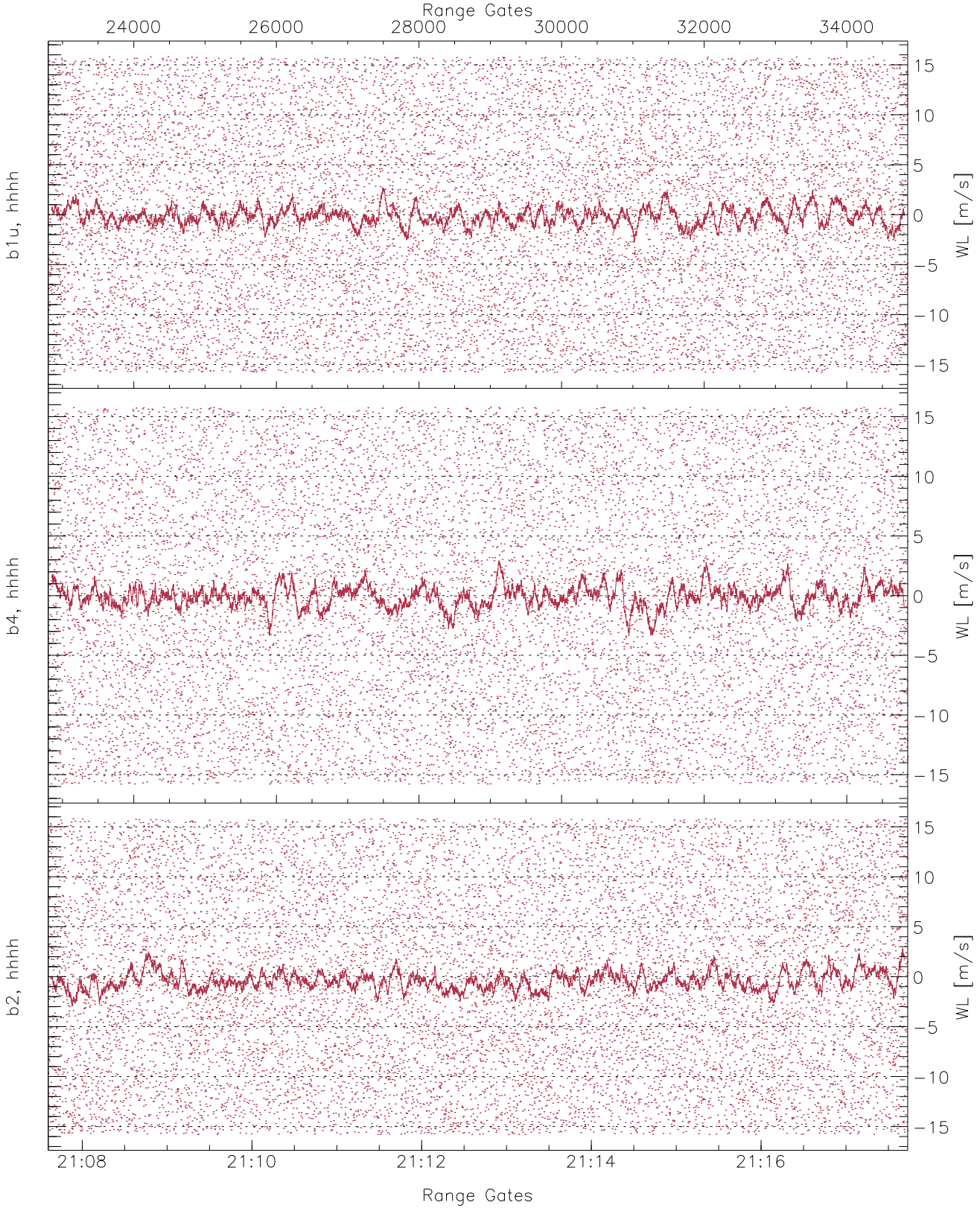
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG262_0 [dBm] | -63.55 | -61.63 | -62.54 | -62.54 | -75.11 |
| H2RG262_0 [dBm] | -62.91 | -61.21 | -62.04 | -62.05 | -74.62 |
| V2RG263_0 [dBm] | -63.58 | -61.64 | -62.64 | -62.64 | -75.18 |



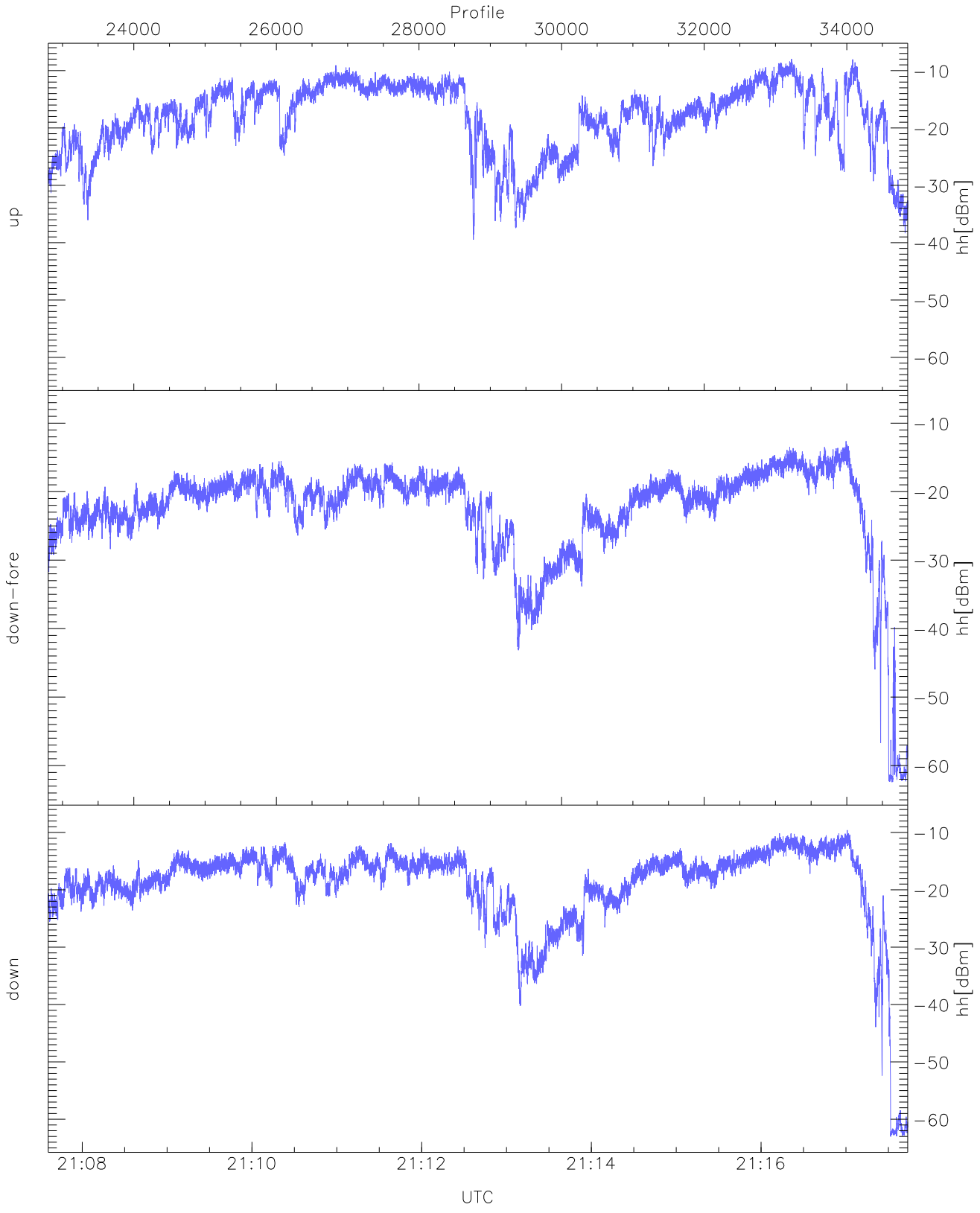

WCR2 CPP Averaged Received power for all recorded gates
blue: 210736-211240, 6029 profiles averaged
red: 211240-211744, 6028 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 210736-211240, 6029 profiles averaged
red: 211240-211744, 6028 profiles averaged

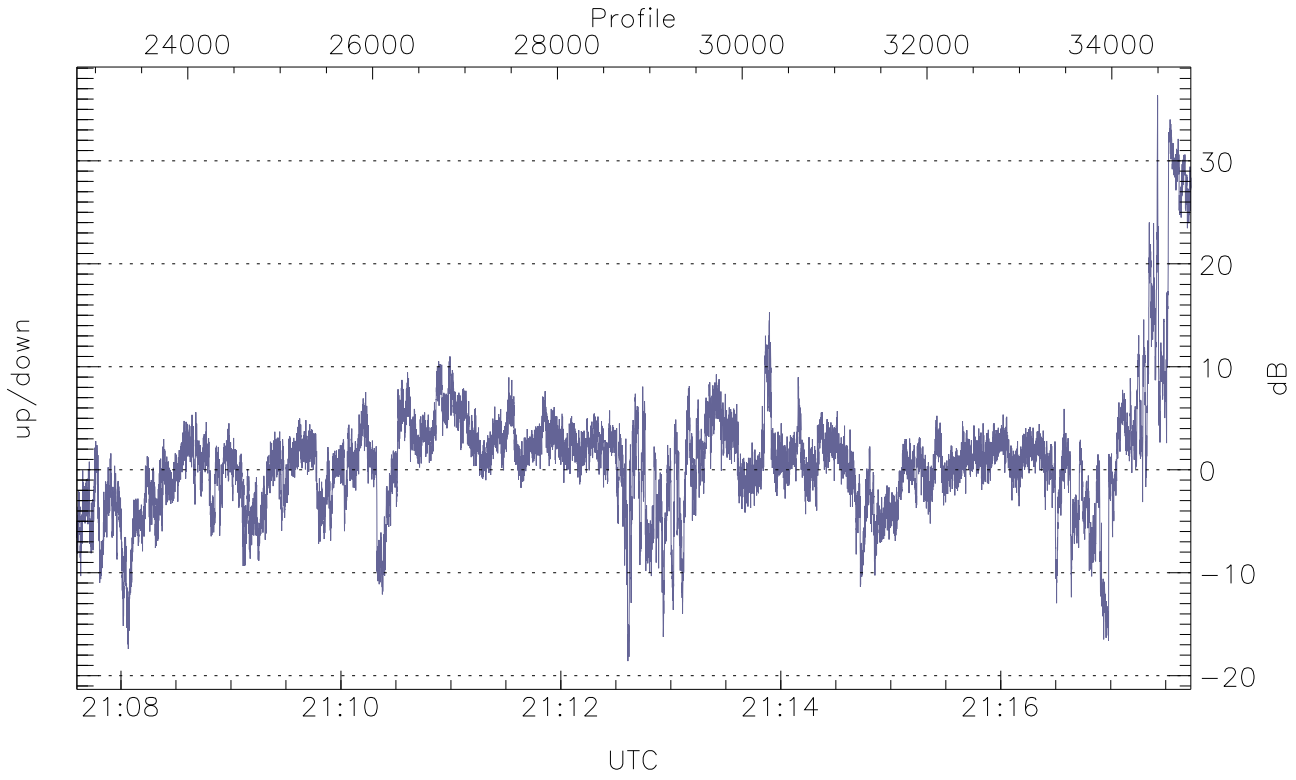


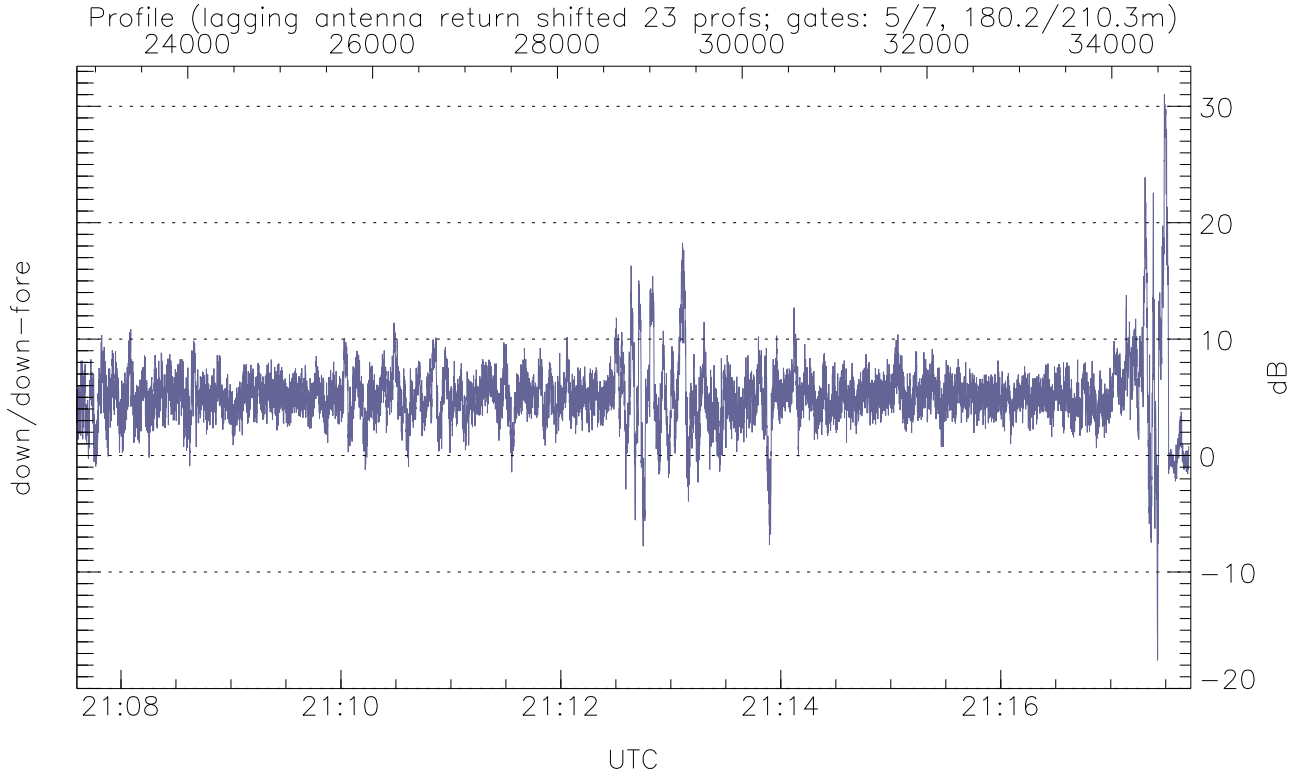

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

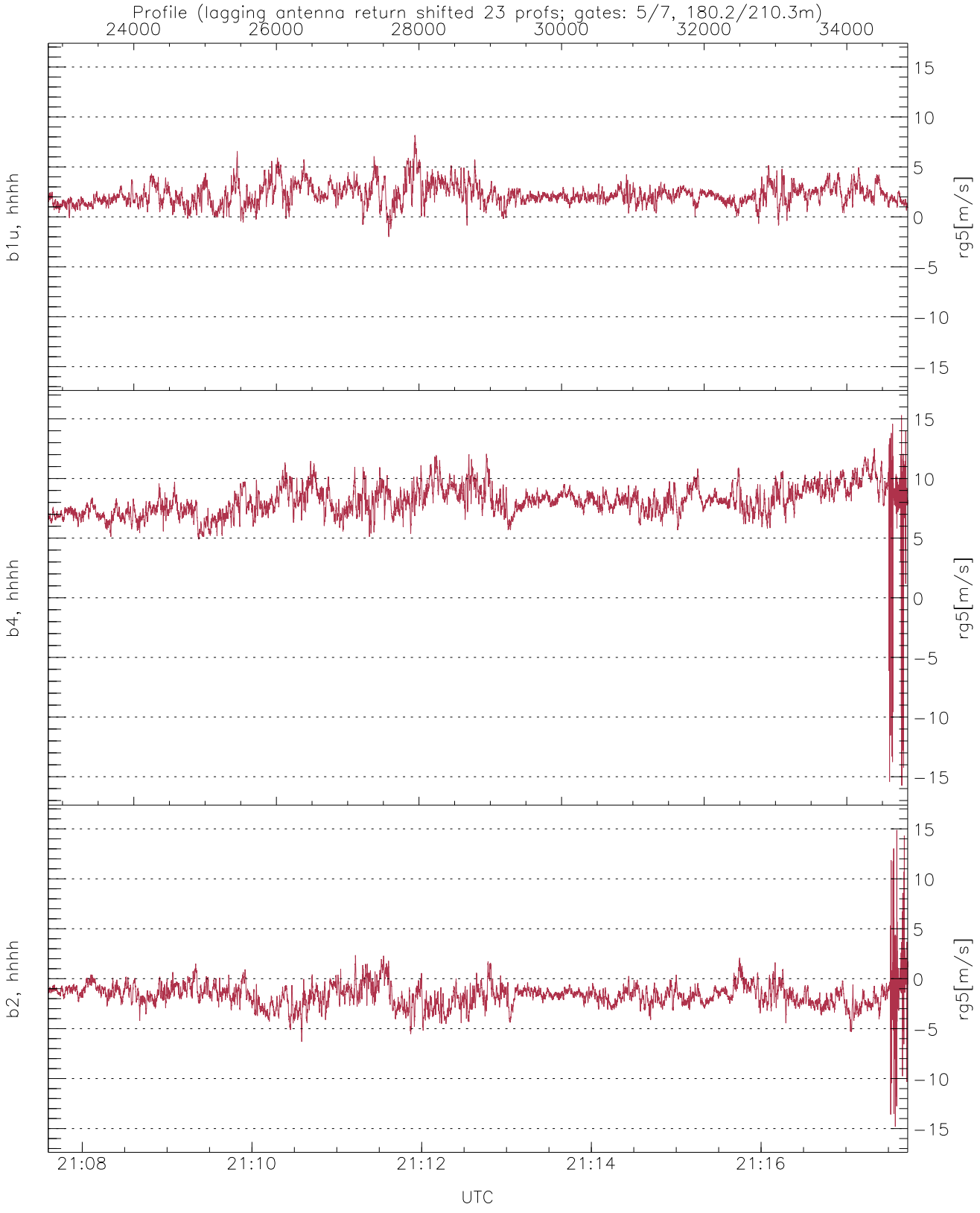
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -39.47 | -7.98 | -15.42 |
| down-fore(hh[dBm]) | -62.42 | -12.62 | -20.11 |
| down(hh[dBm]) | -63.02 | -9.59 | -16.41 |




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

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -18.58 | 36.36 | 0.95 |
| down/down-fore(dB) | -17.58 | 31.01 | 5.10 |




WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | -2.01 | 8.18 | 2.22 | 1.06 |
| b4, hhhh(rg5[m/s]) | -15.75 | 15.30 | 8.12 | 1.46 |
| b2, hhhh(rg5[m/s]) | -14.81 | 14.88 | -1.63 | 1.21 |