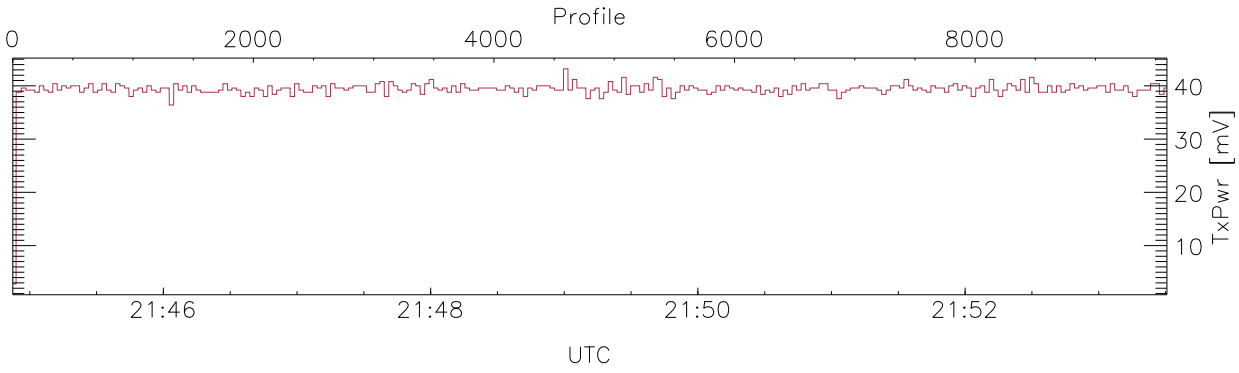
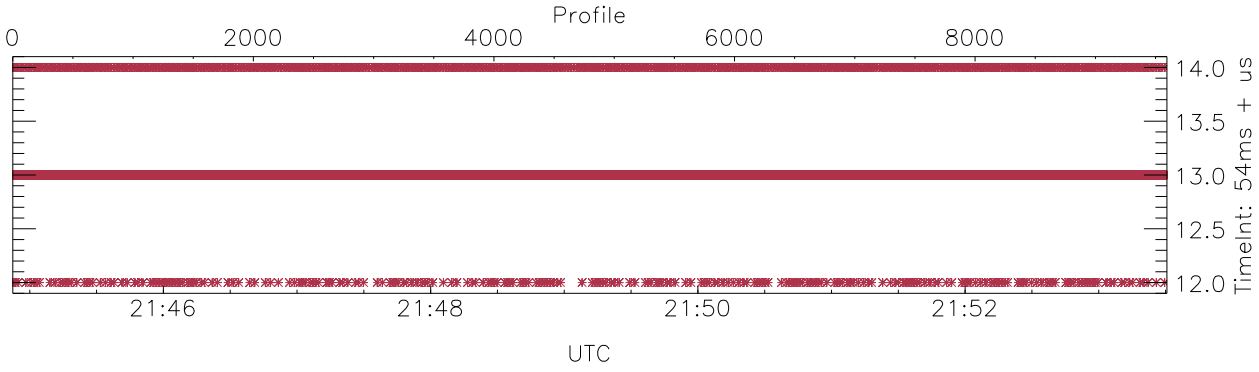
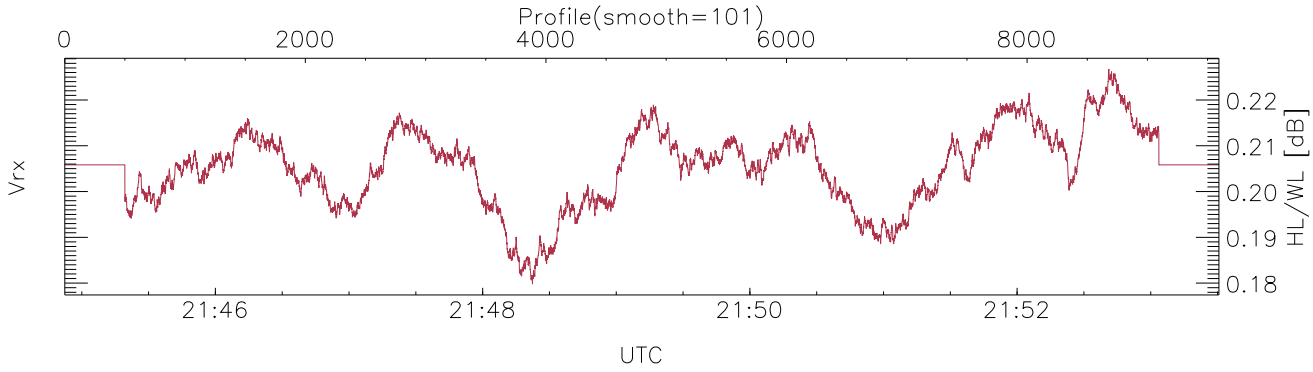
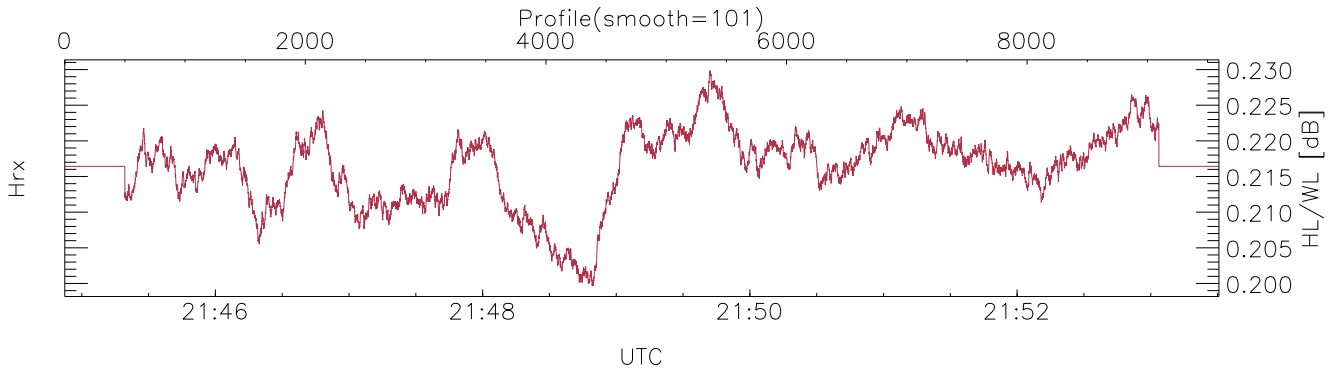


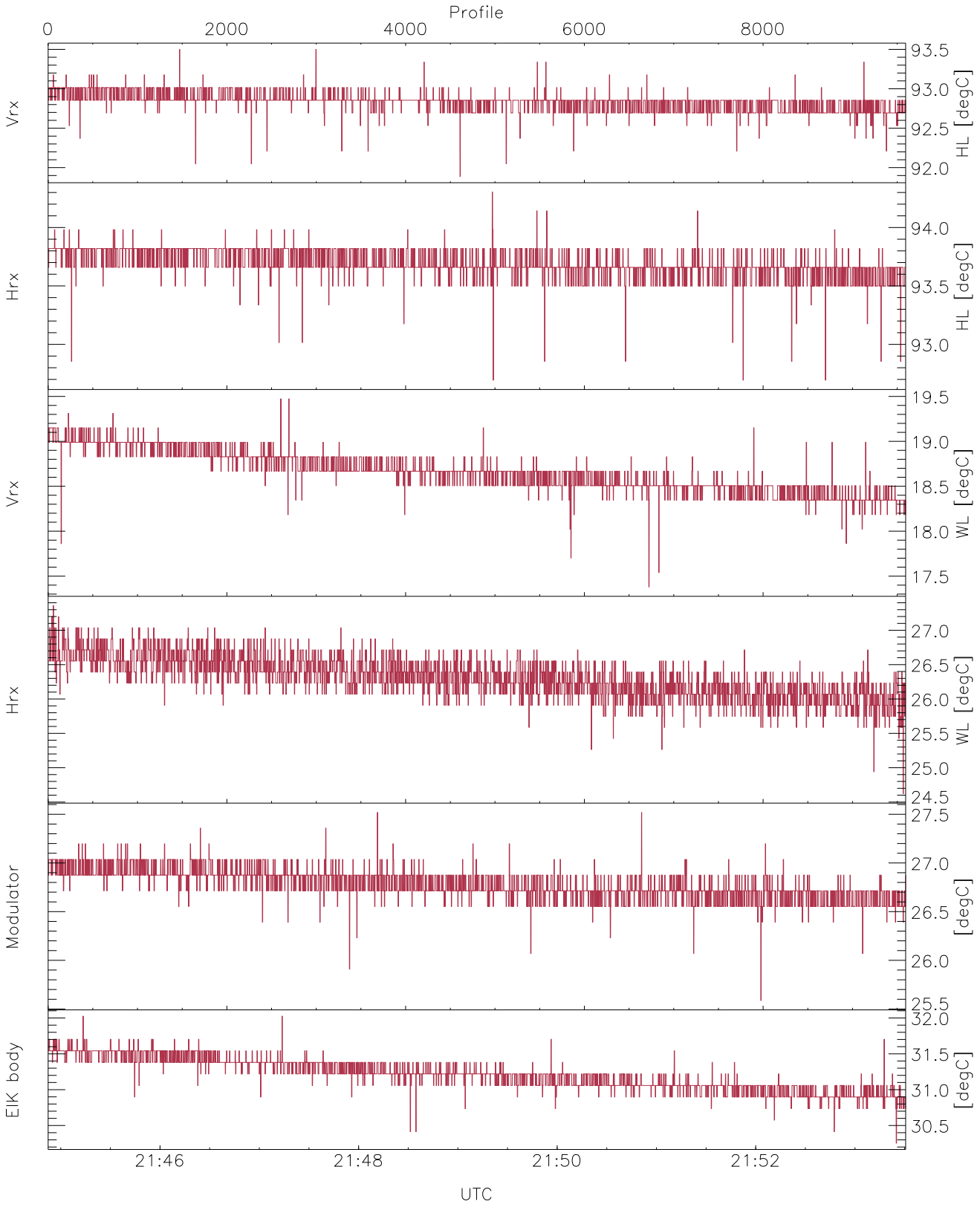



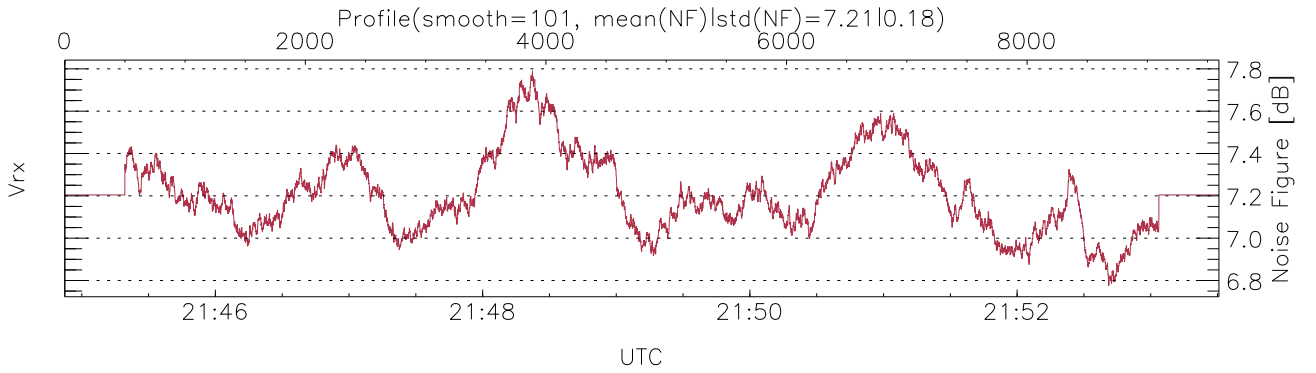

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

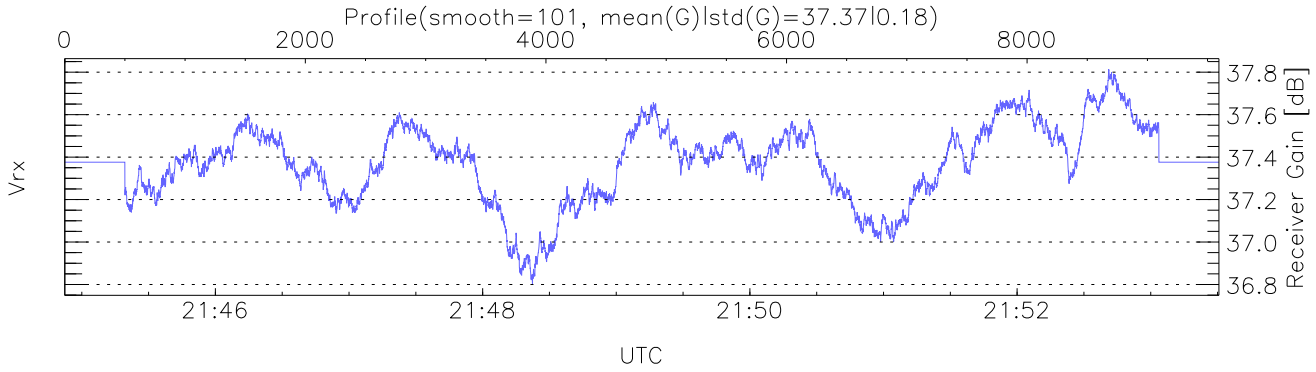
UTC: 21:44:52-21:53:31, Dur: 518.26s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 54.0,54.0,54.0,0.0 ms / 19,19,19
NumRec(r/t): 9596/9596, 0-9595/21:44:52-21:53:31
AcqTime: 54.0ms, Rate: 287KB/s, Averages: 180
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
Mirror(-9|0|1|2,3,9x = no mirror|sideup|error): 1

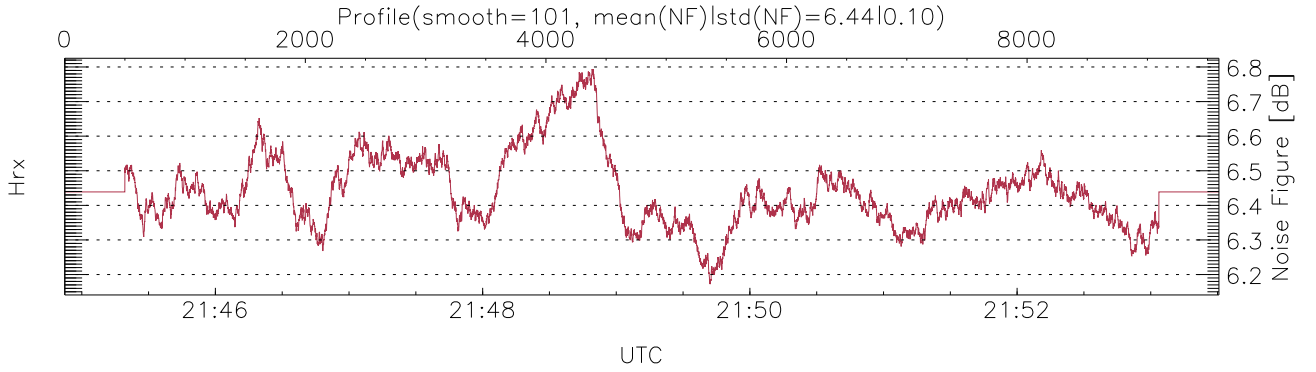


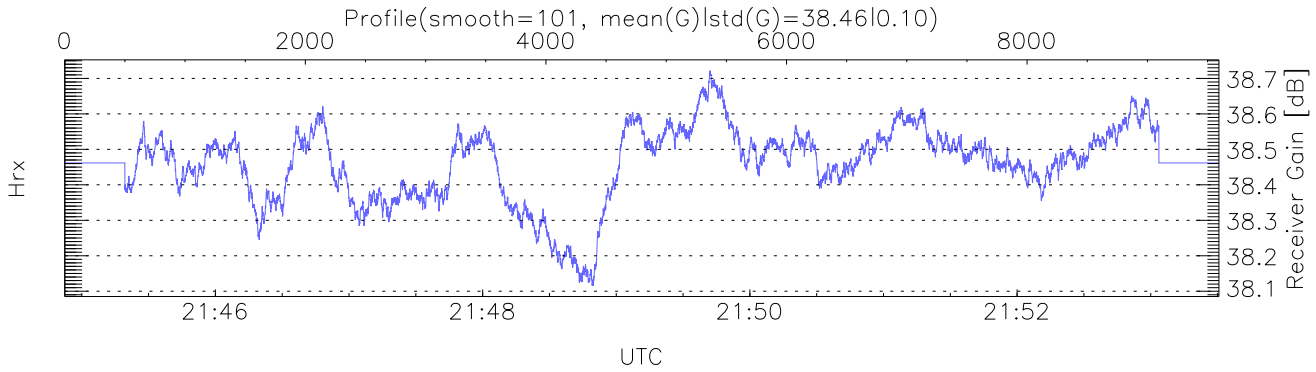

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,17,24,25,30
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,19,27,27,32
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (10,10,10,10,10,5)



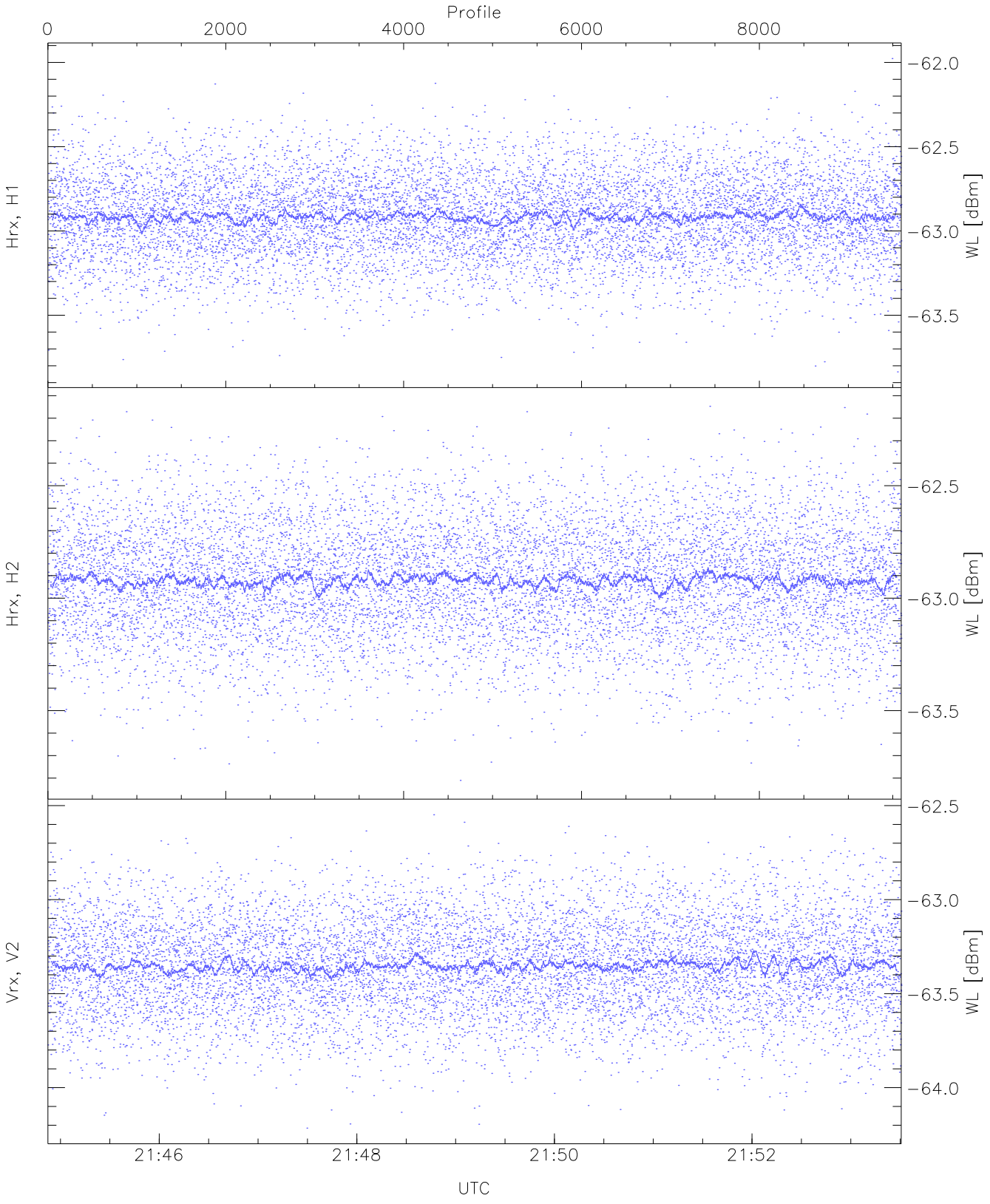



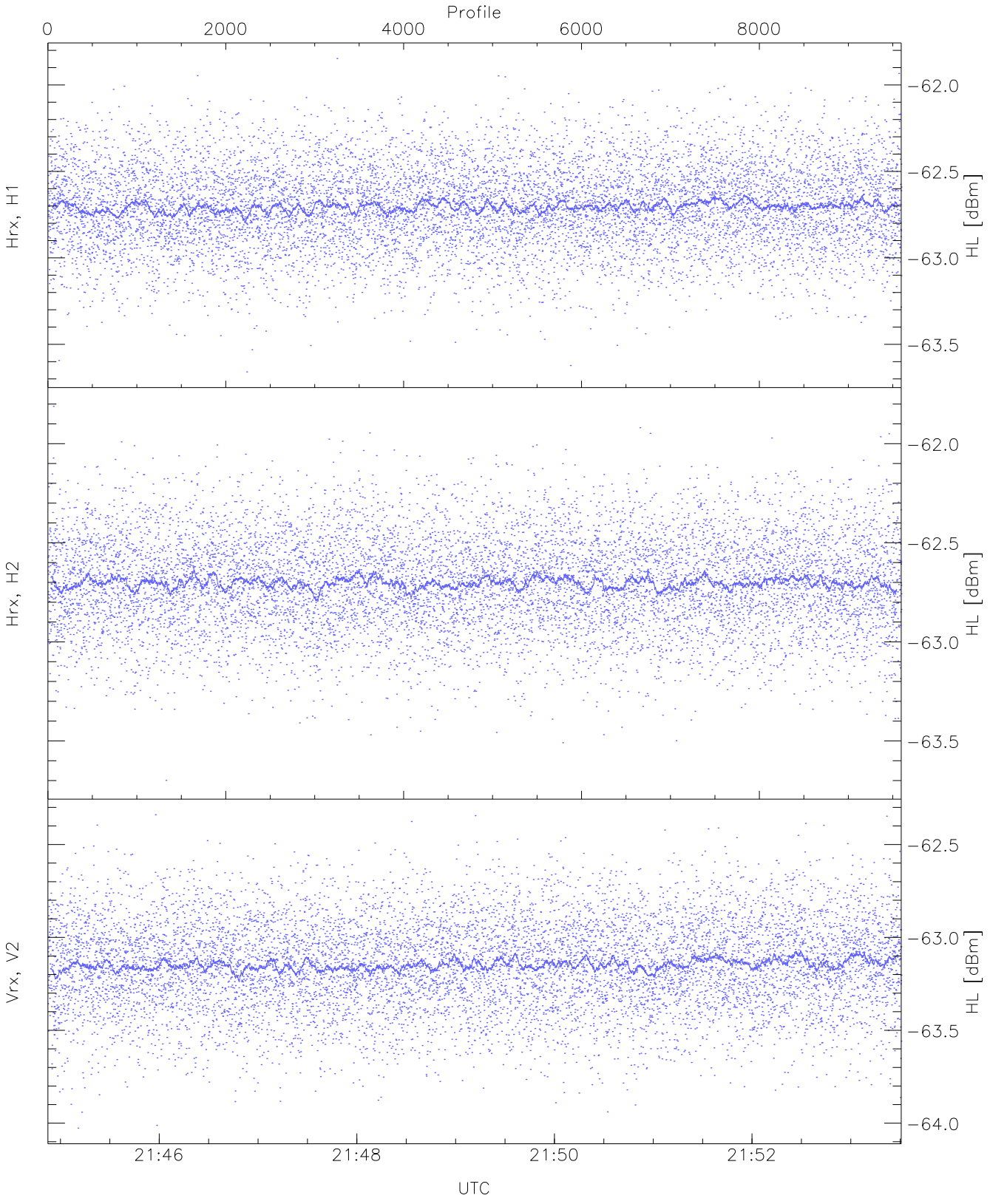

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 15 pixs, 2 gates, 8 profs, 1 prods



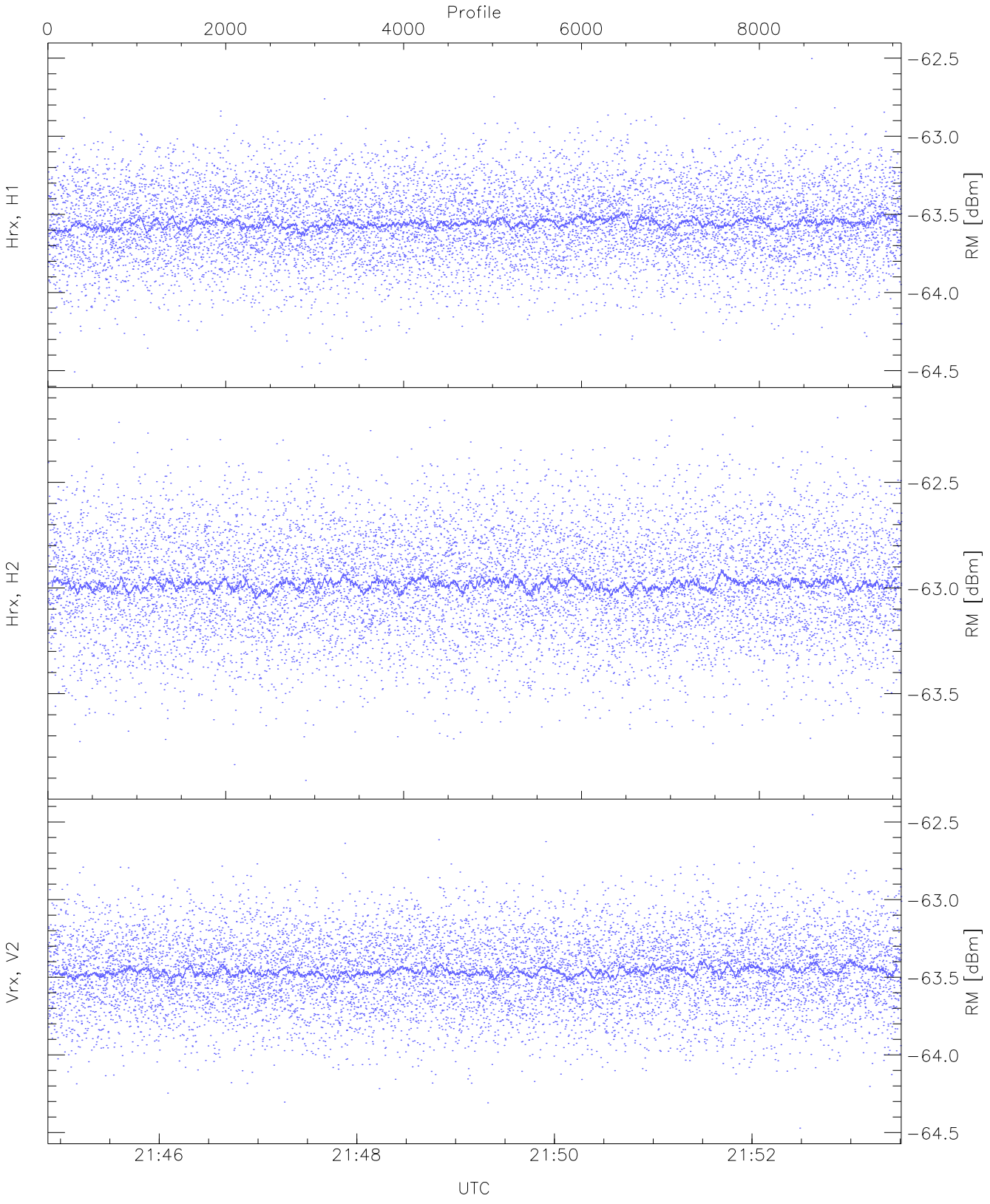

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -63.84 | -61.98 | -62.91 | -62.92 | -75.62 |
| Hrx, H2(WL [dBm]) | -63.81 | -62.15 | -62.92 | -62.92 | -75.63 |
| Vrx, V2(WL [dBm]) | -64.22 | -62.55 | -63.35 | -63.35 | -76.02 |



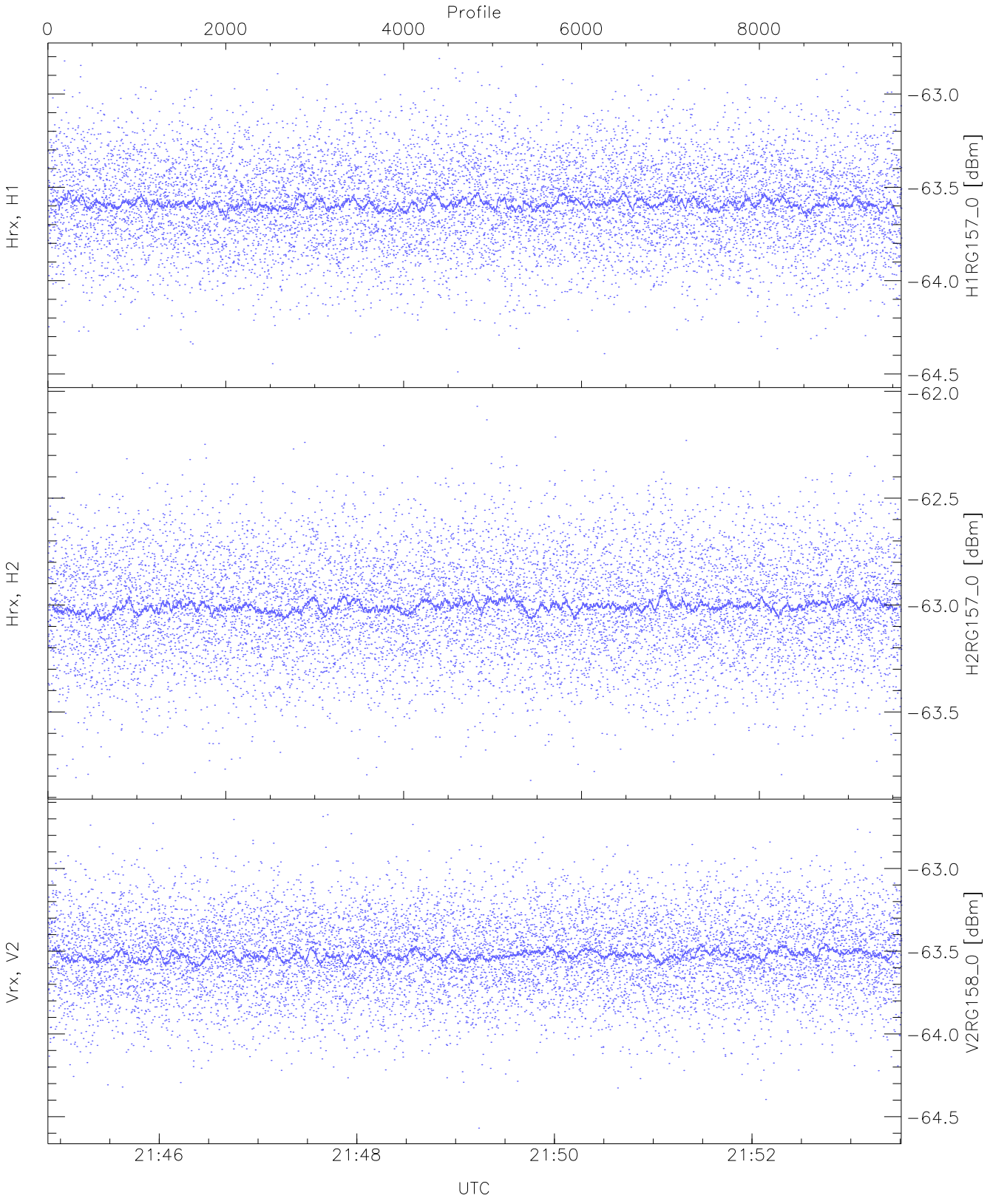

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -63.66 | -61.85 | -62.70 | -62.71 | -75.40 |
| Hrx, H2(HL [dBm]) | -63.70 | -61.81 | -62.70 | -62.70 | -75.46 |
| Vrx, V2(HL [dBm]) | -64.03 | -62.34 | -63.14 | -63.15 | -75.82 |



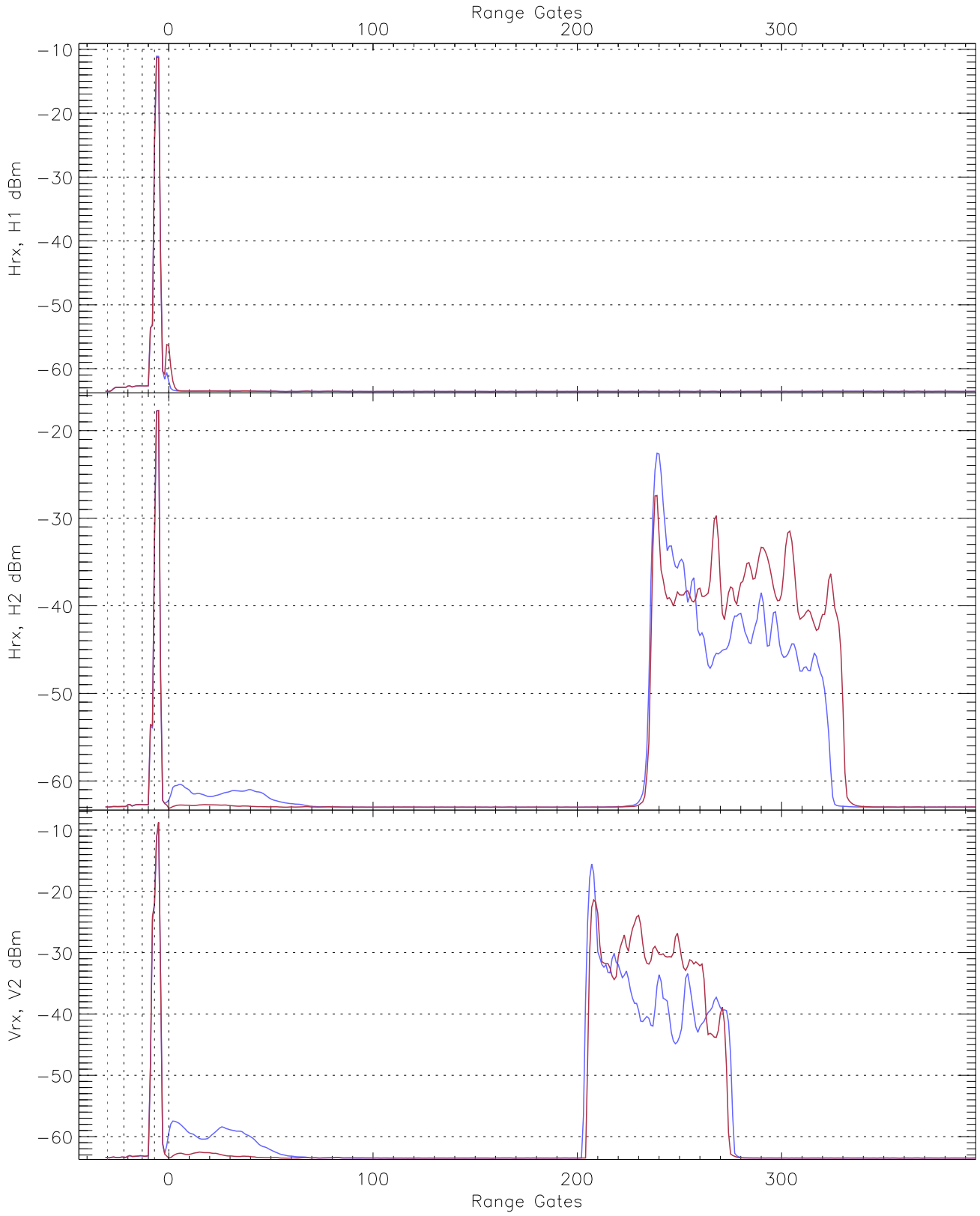

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -64.51 | -62.50 | -63.55 | -63.56 | -76.28 |
| Hrx, H2(RM [dBm]) | -63.91 | -62.14 | -62.98 | -62.98 | -75.66 |
| Vrx, V2(RM [dBm]) | -64.47 | -62.45 | -63.46 | -63.46 | -76.18 |

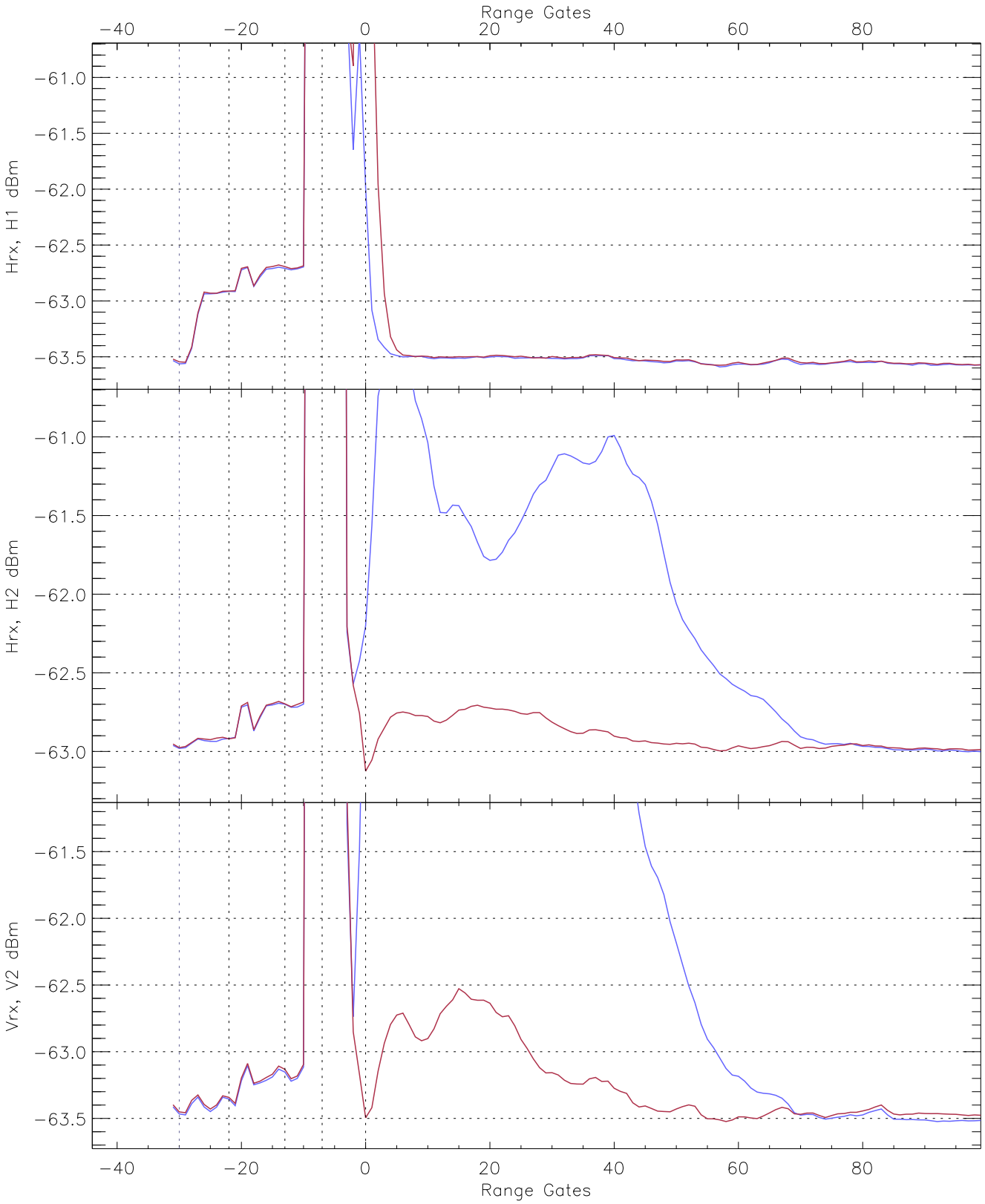



WCR2 CPP "Best" estimate Receivers Noise Power

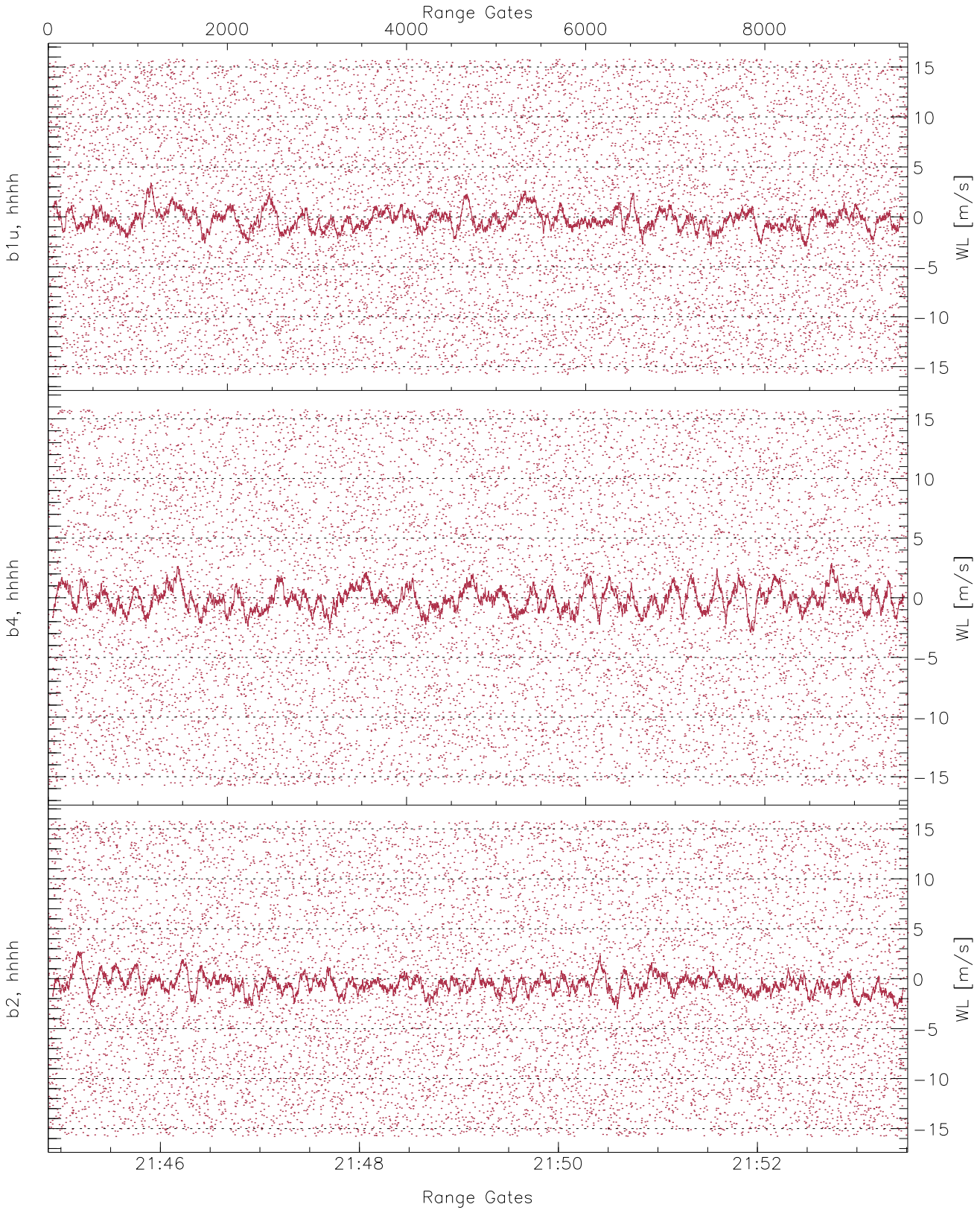
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG157_0 [dBm] | -64.49 | -62.81 | -63.58 | -63.59 | -76.34 |
| H2RG157_0 [dBm] | -63.82 | -62.07 | -63.00 | -63.01 | -75.74 |
| V2RG158_0 [dBm] | -64.57 | -62.68 | -63.52 | -63.52 | -76.22 |



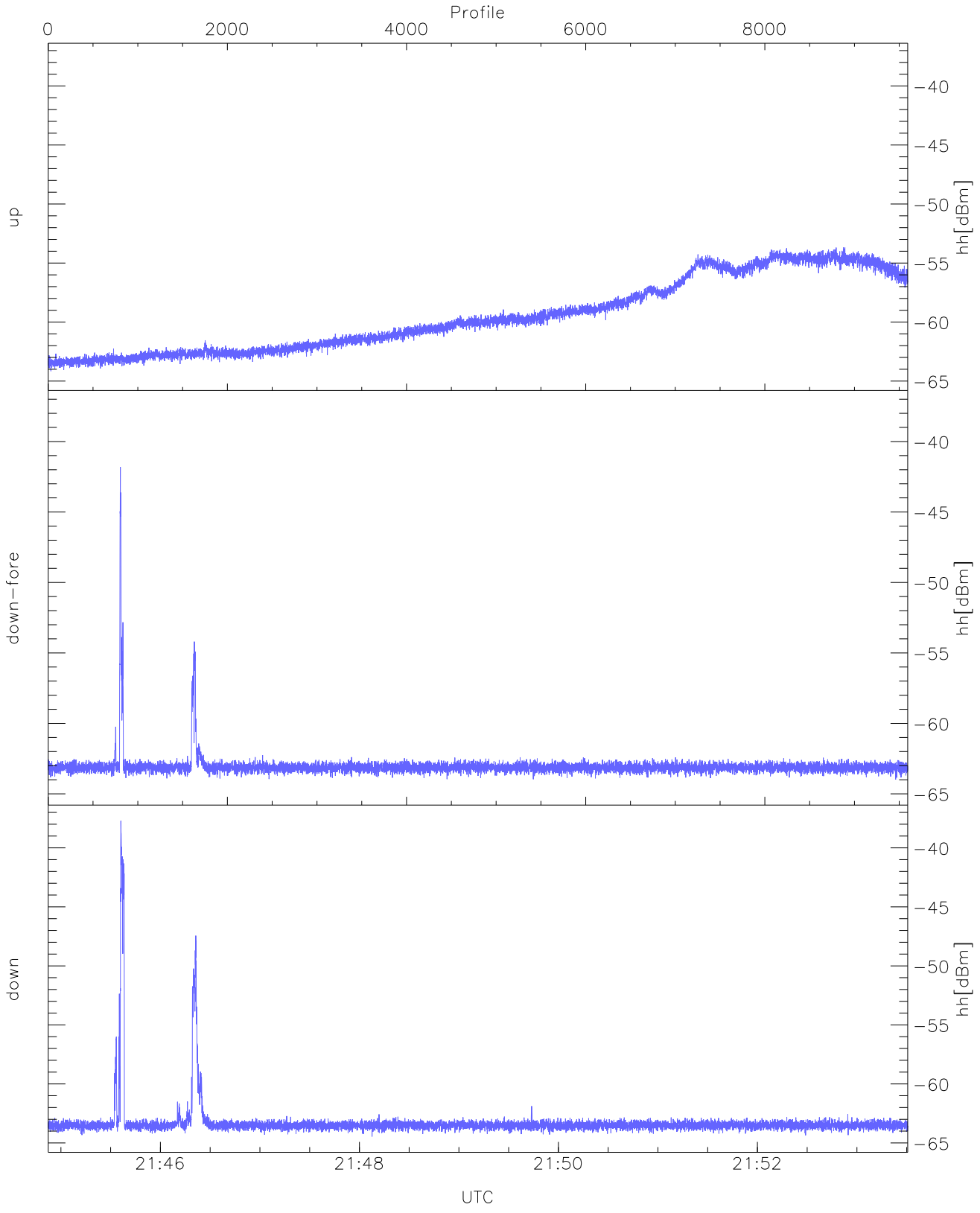

WCR2 CPP Averaged Received power for all recorded gates
blue: 214452-214911, 4799 profiles averaged
red: 214911-215331, 4798 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 214452-214911, 4799 profiles averaged
red: 214911-215331, 4798 profiles averaged

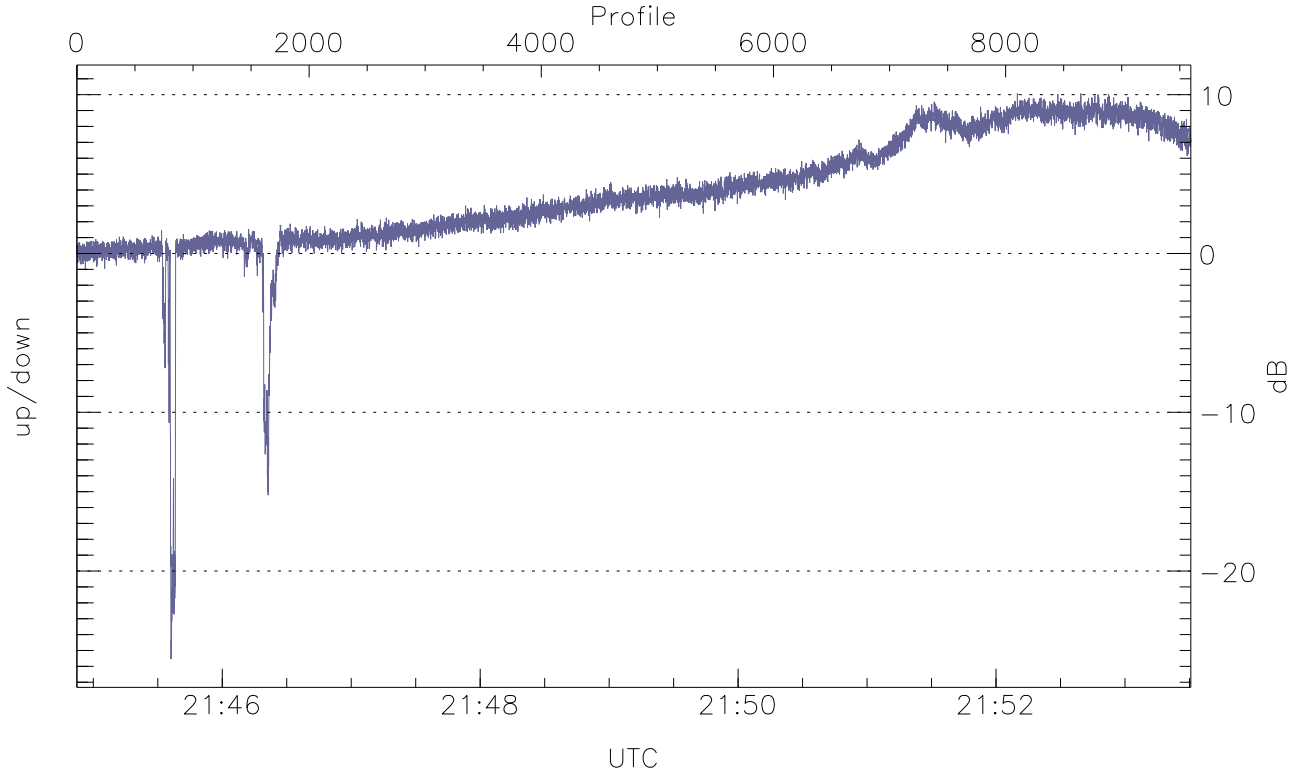


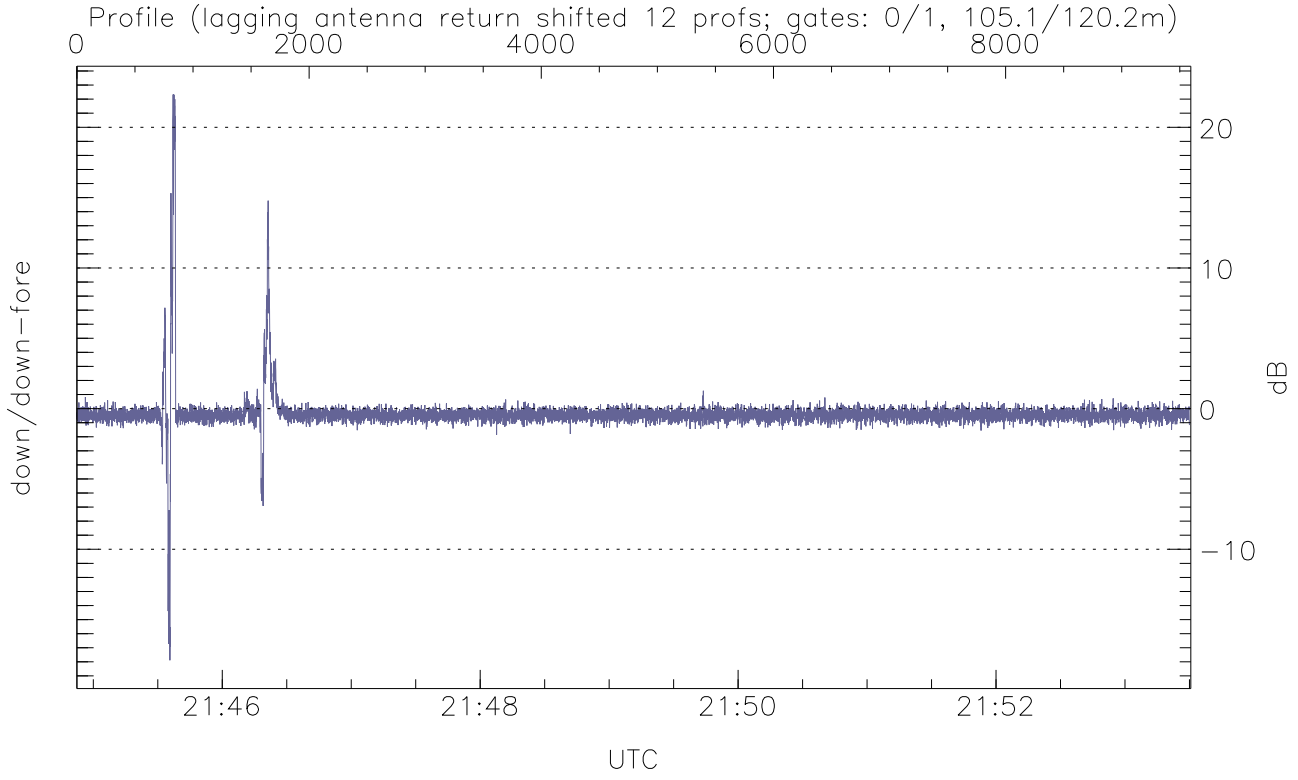

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




WCR2 CPP Received Power Products for Range gate 0 (105.1 m)

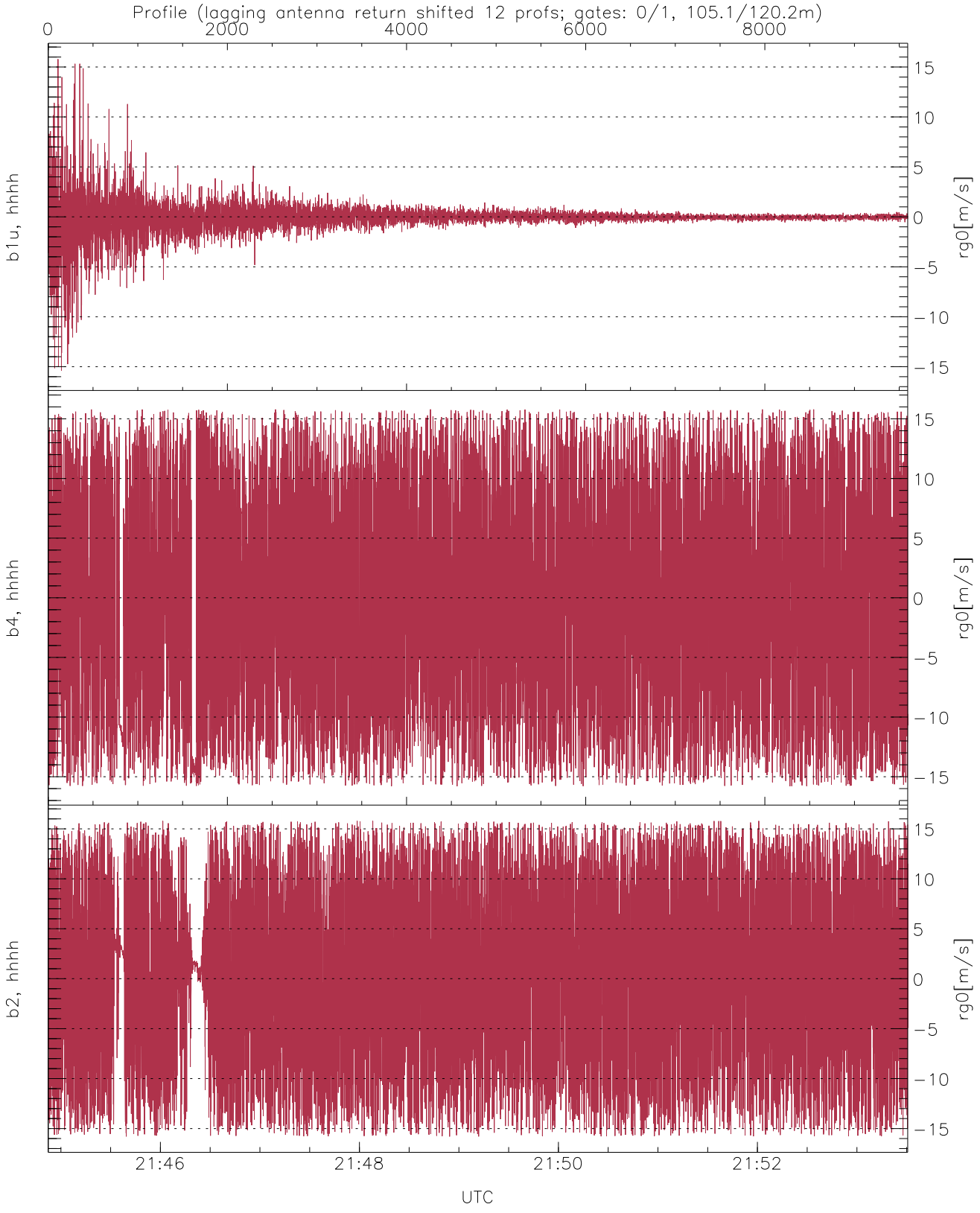
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -64.15 | -53.68 | -58.34 |
| down-fore(hh[dBm]) | -63.98 | -41.81 | -62.64 |
| down(hh[dBm]) | -64.46 | -37.71 | -60.99 |




WCR2 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -25.54 | 10.09 | 3.82 |
| down/down-fore(dB) | -17.89 | 22.33 | -0.35 |




WCR2 CPP Doppler Velocity Products at 105.1 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg0[m/s]) | -15.37 | 15.79 | -0.05 | 1.38 |
| b4, hhhh(rg0[m/s]) | -15.80 | 15.80 | -0.50 | 9.08 |
| b2, hhhh(rg0[m/s]) | -15.80 | 15.79 | 0.46 | 8.95 |