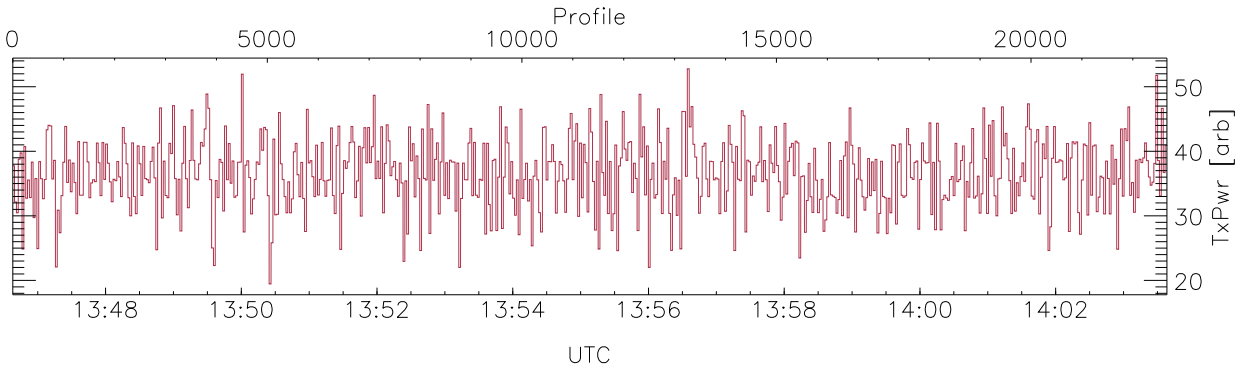
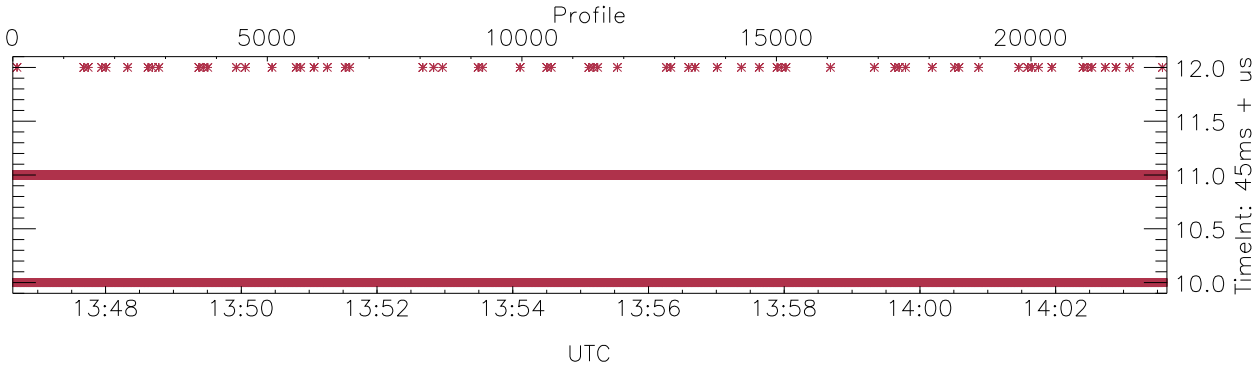
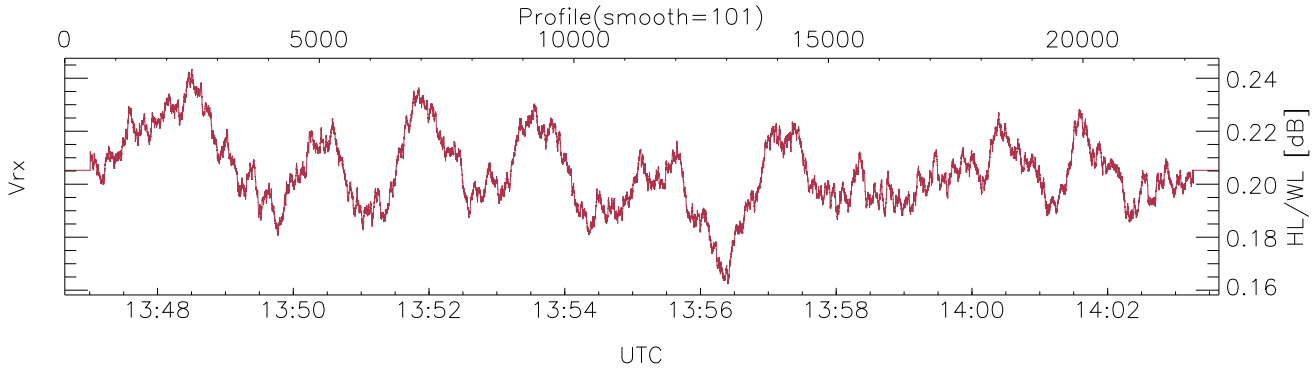
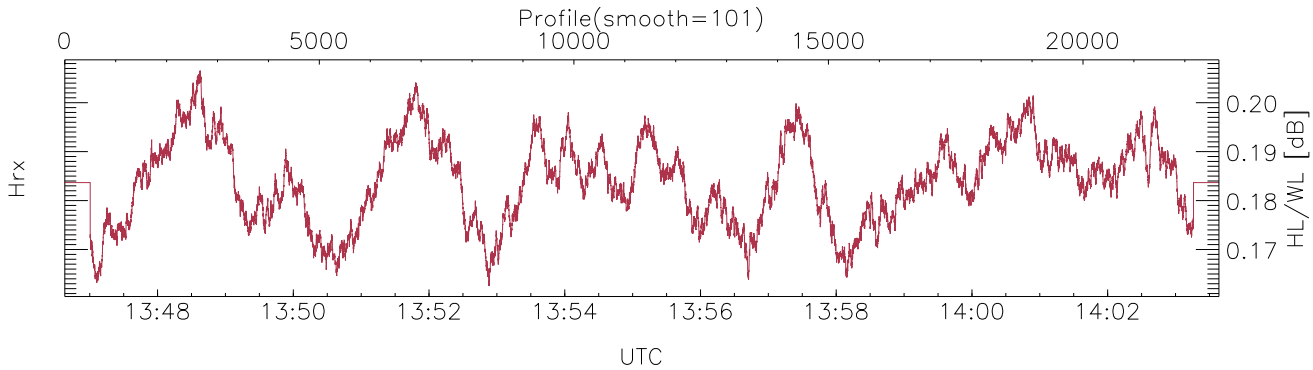


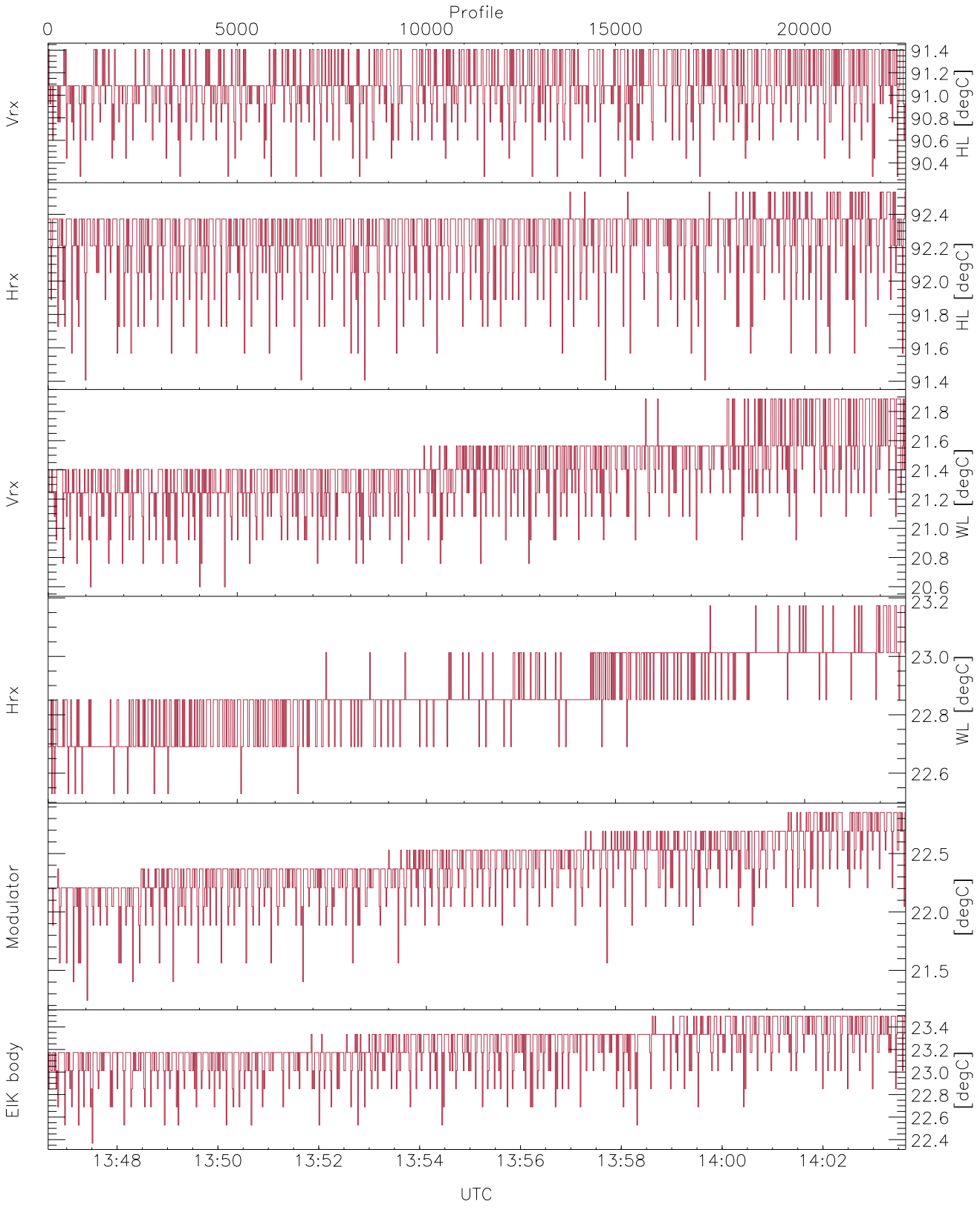



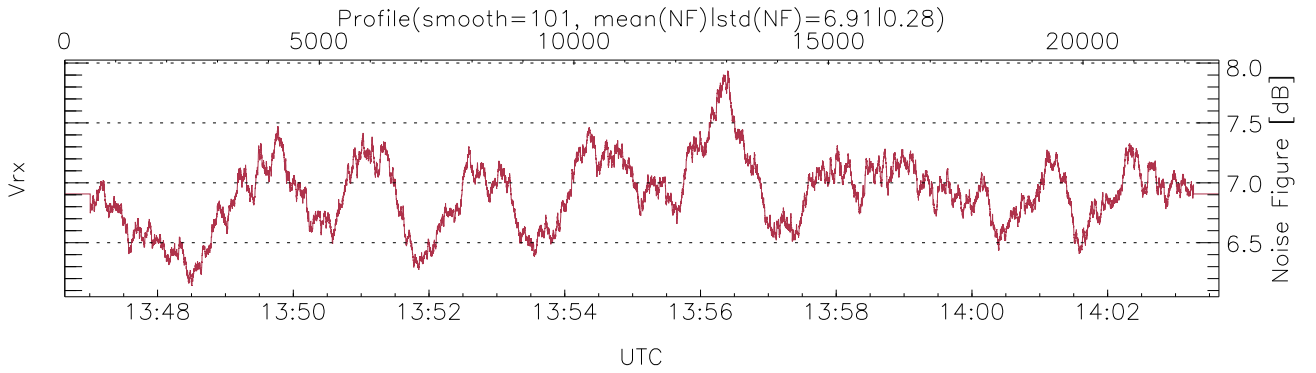

## WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

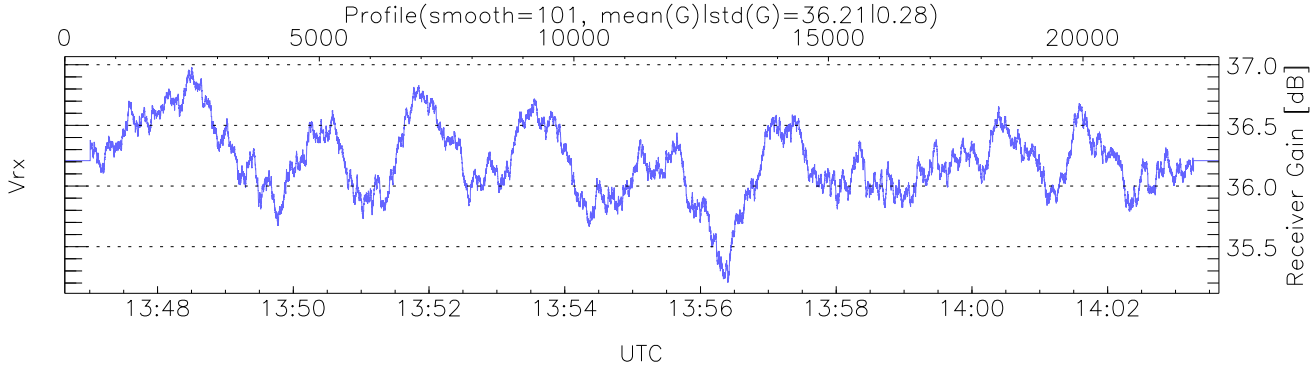
UTC: 13:46:38-14:03:38, TimeCor: 0.00s, Dur: 1020.45s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 22672/22672, 0-22671/13:46:38-14:03:38
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H1 V2 V2 V2 H2 H2 H2
PRF: 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1

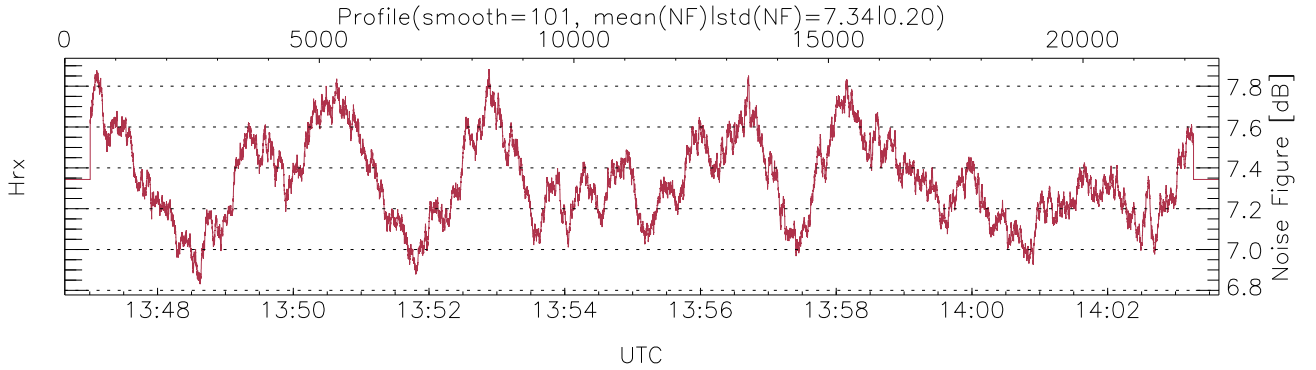


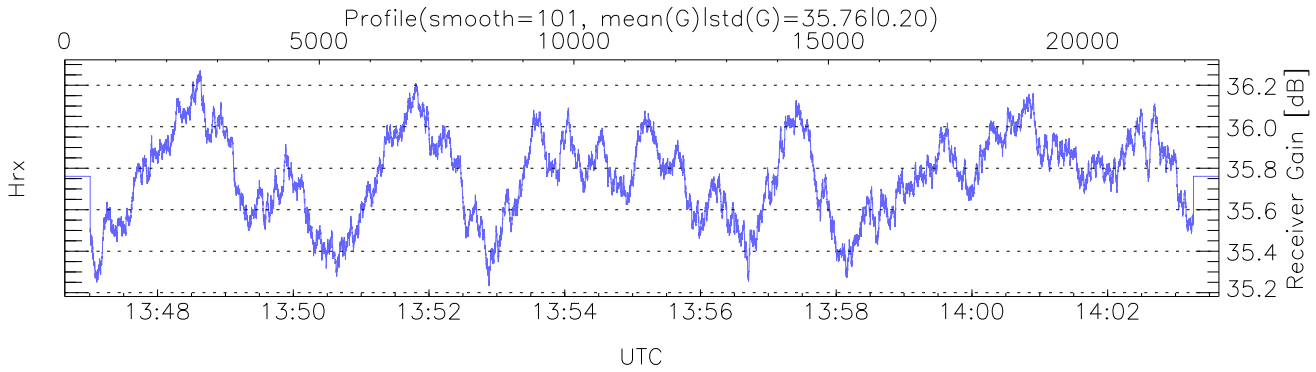

WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,20,22,21,22
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,21,23,22,23
LOalarm(20,240,2817,14861 MHz): 0,0,23,0
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (24,24,24,24,24,24)



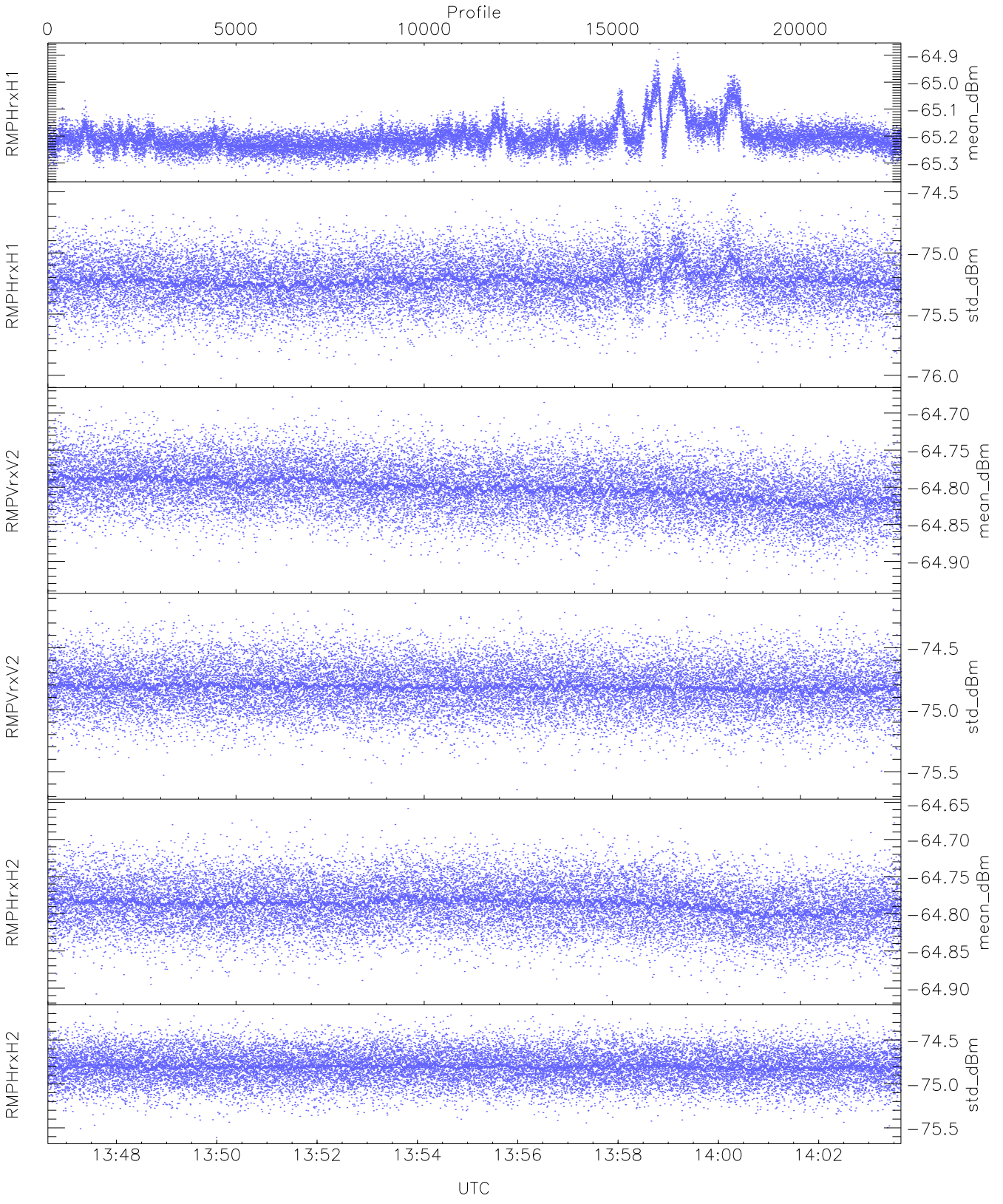



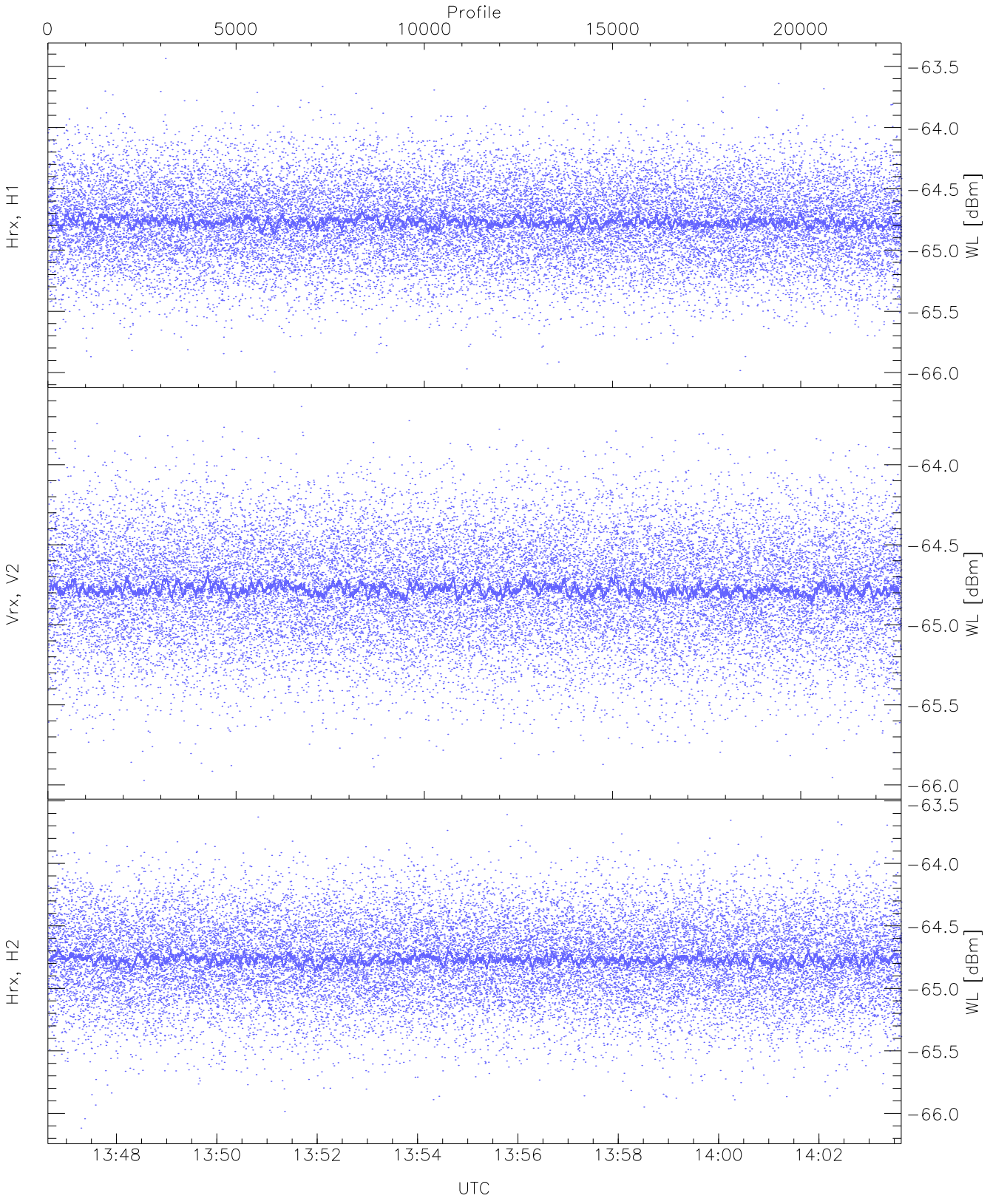

WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 0 pixs, 0 gates, 0 profs, 0 prod(s)



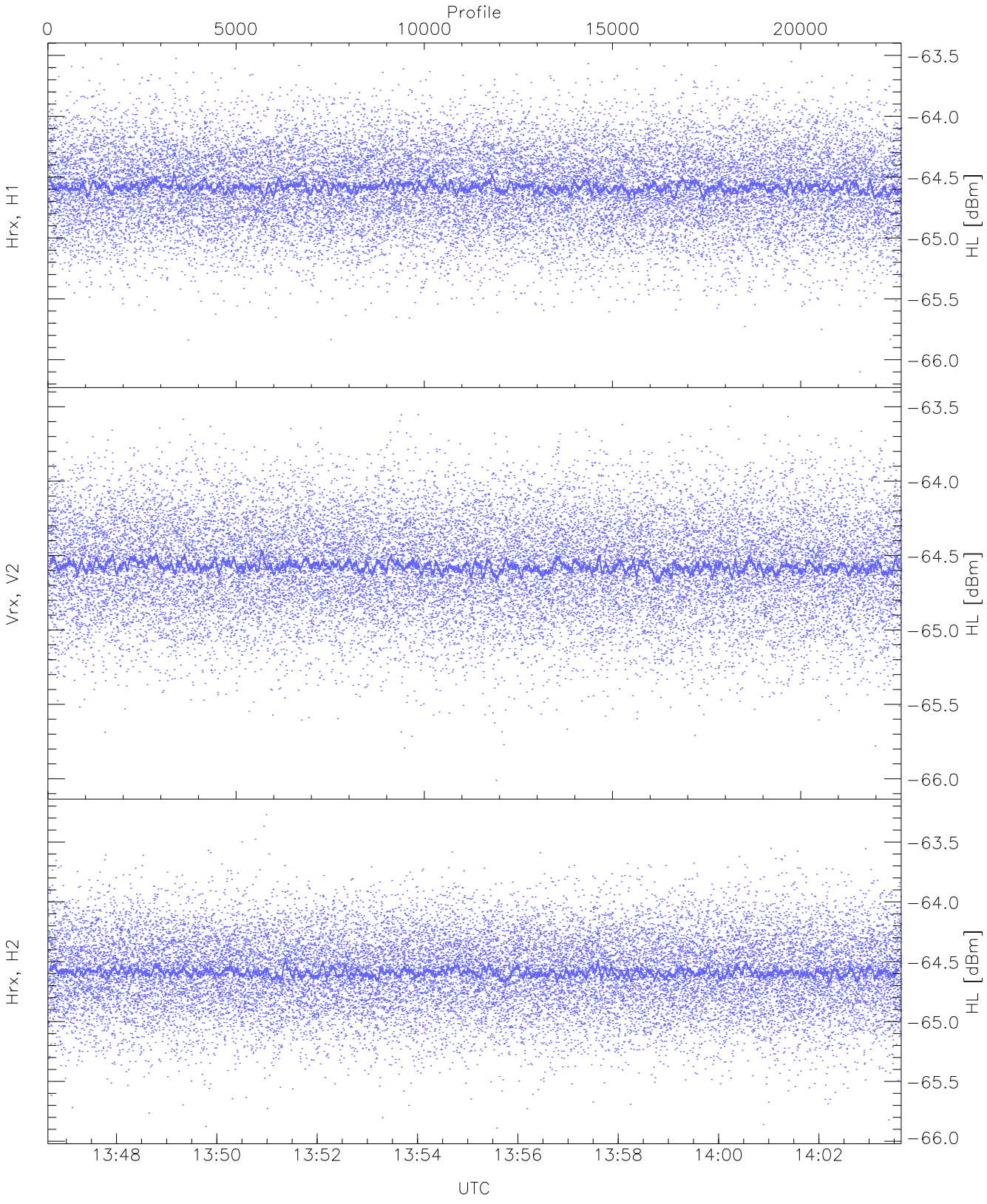

WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| RMPHrxH1(mean_dBm) | -65.35 | -64.88 | -65.20 | -65.21 | -84.16 |
| RMPHrxH1(std_dBm) | -76.02 | -74.49 | -75.22 | -75.22 | -88.89 |
| RMPVrxV2(mean_dBm) | -64.93 | -64.68 | -64.80 | -64.80 | -86.15 |
| RMPVrxV2(std_dBm) | -75.65 | -74.14 | -74.82 | -74.82 | -88.60 |
| RMPHrxH2(mean_dBm) | -64.91 | -64.66 | -64.79 | -64.79 | -86.30 |
| RMPHrxH2(std_dBm) | -75.61 | -74.17 | -74.80 | -74.81 | -88.62 |



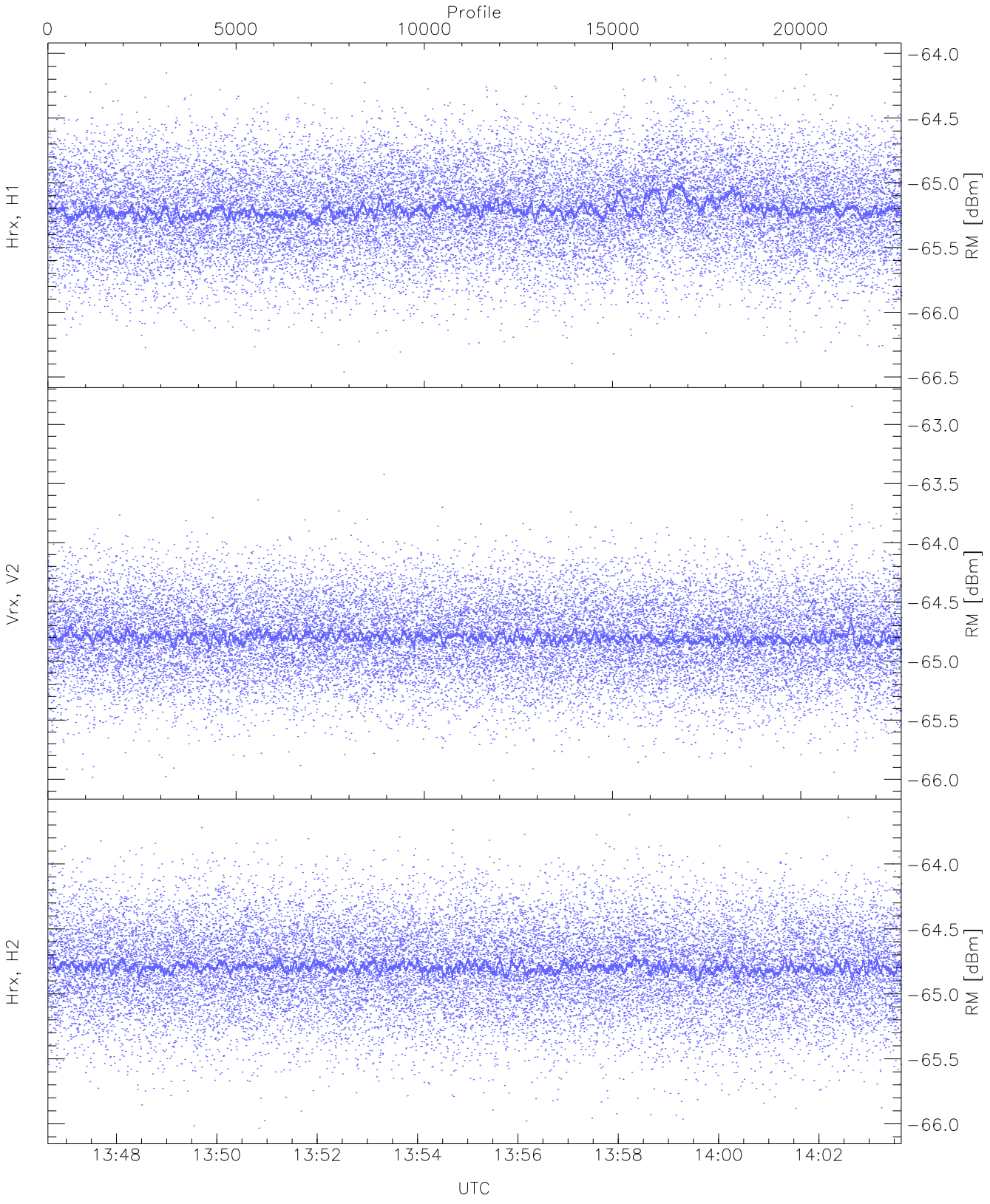

WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -65.99 | -63.44 | -64.76 | -64.77 | -76.25 |
| Vrx, V2(WL [dBm]) | -65.97 | -63.63 | -64.77 | -64.78 | -76.28 |
| Hrx, H2(WL [dBm]) | -66.12 | -63.61 | -64.76 | -64.77 | -76.24 |



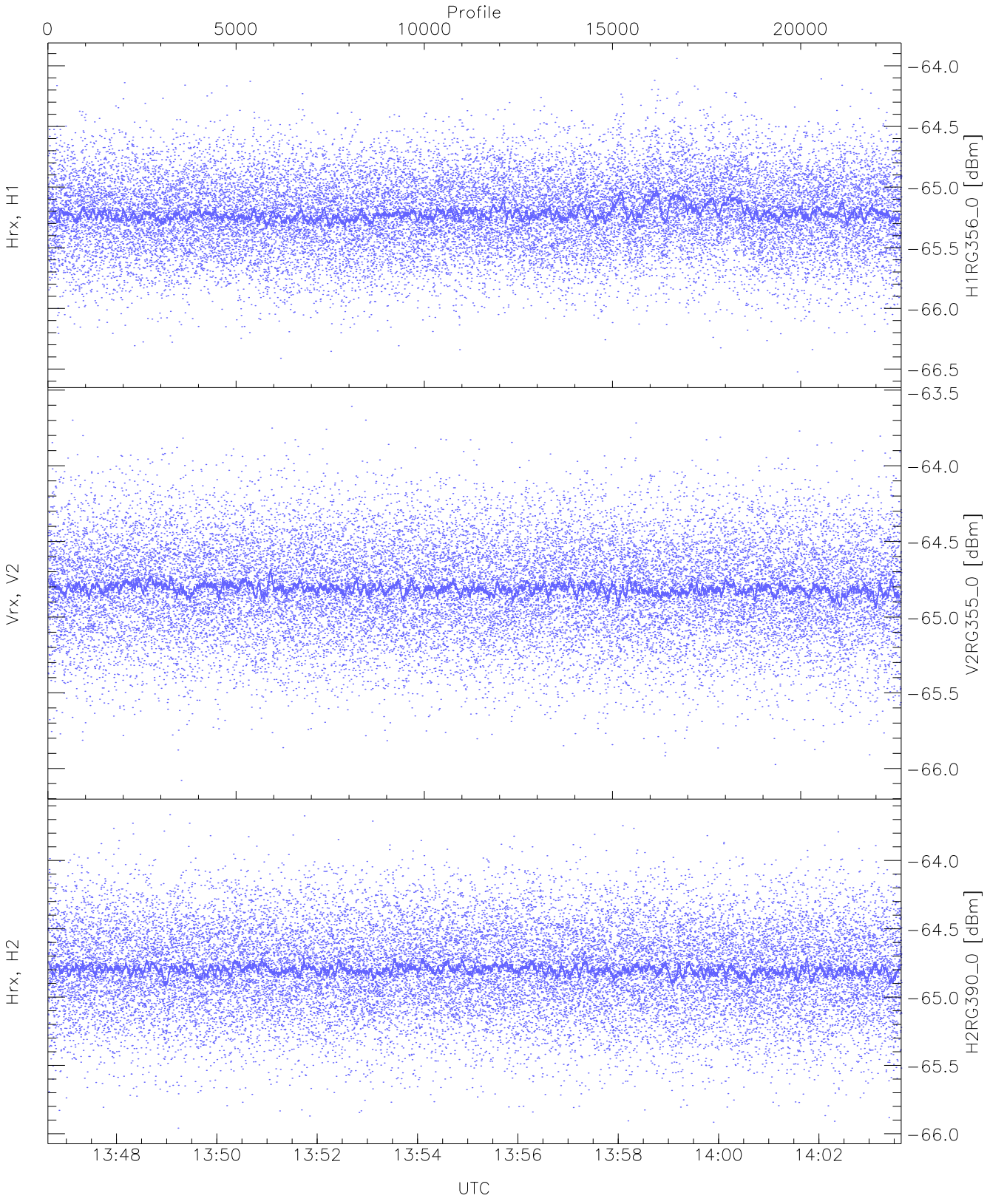

WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -66.10 | -63.53 | -64.58 | -64.58 | -76.05 |
| Vrx, V2(HL [dBm]) | -66.01 | -63.50 | -64.57 | -64.57 | -76.10 |
| Hrx, H2(HL [dBm]) | -65.89 | -63.27 | -64.58 | -64.59 | -76.12 |



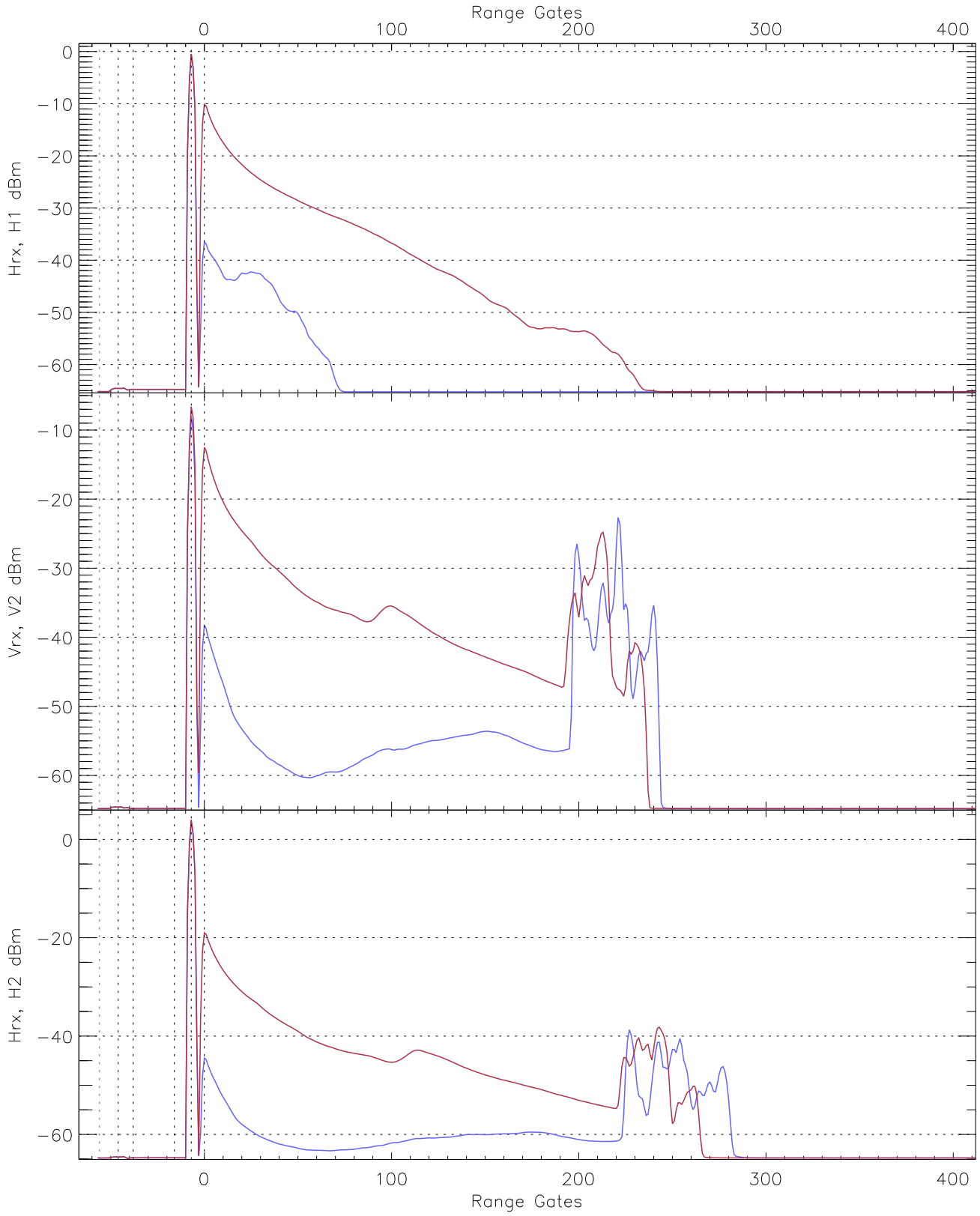

WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -66.46 | -64.04 | -65.20 | -65.20 | -76.67 |
| Vrx, V2(RM [dBm]) | -66.01 | -62.85 | -64.79 | -64.80 | -76.25 |
| Hrx, H2(RM [dBm]) | -66.03 | -63.62 | -64.79 | -64.80 | -76.31 |

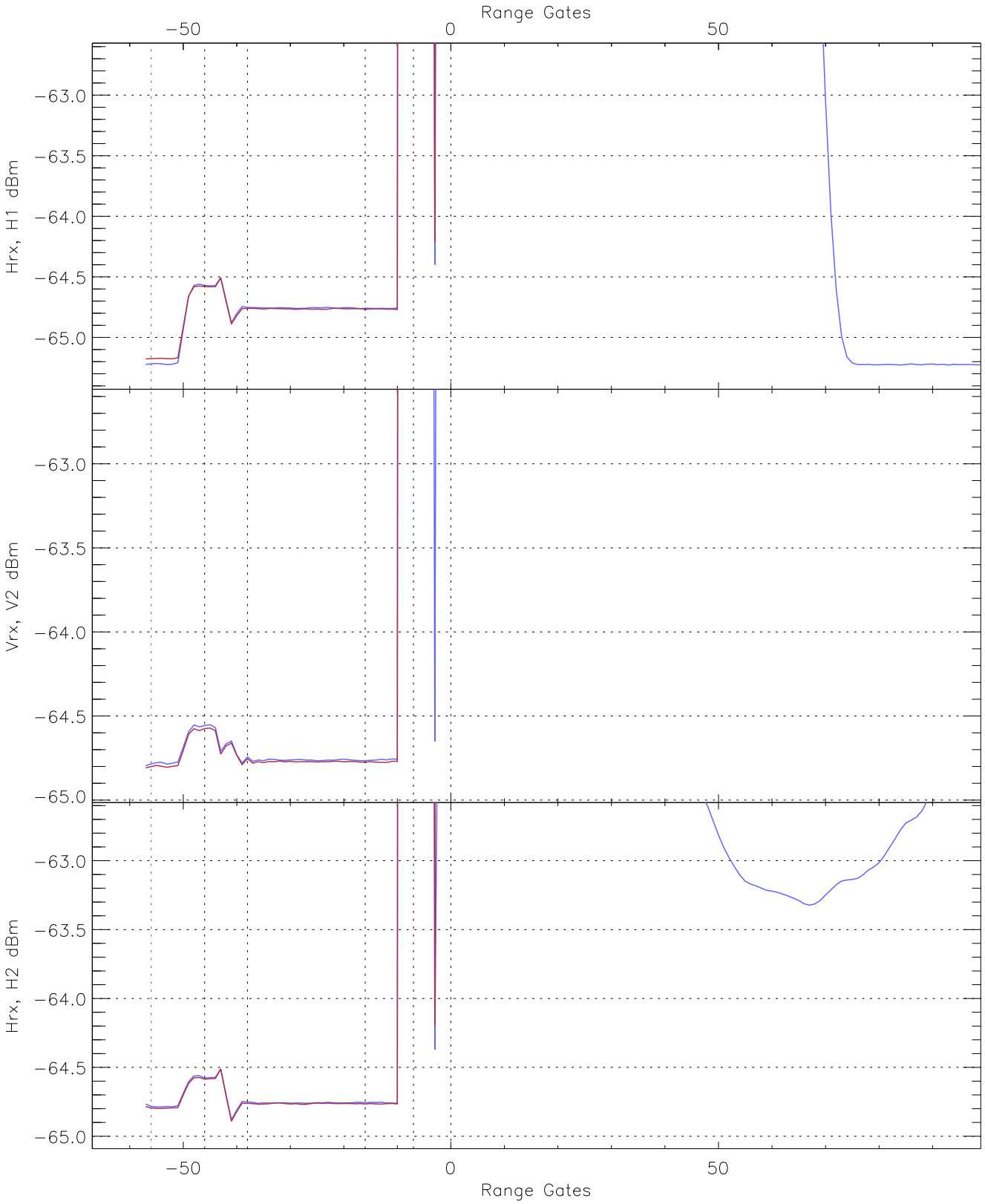



WCR3 CPP "Best" estimate Receivers Noise Power

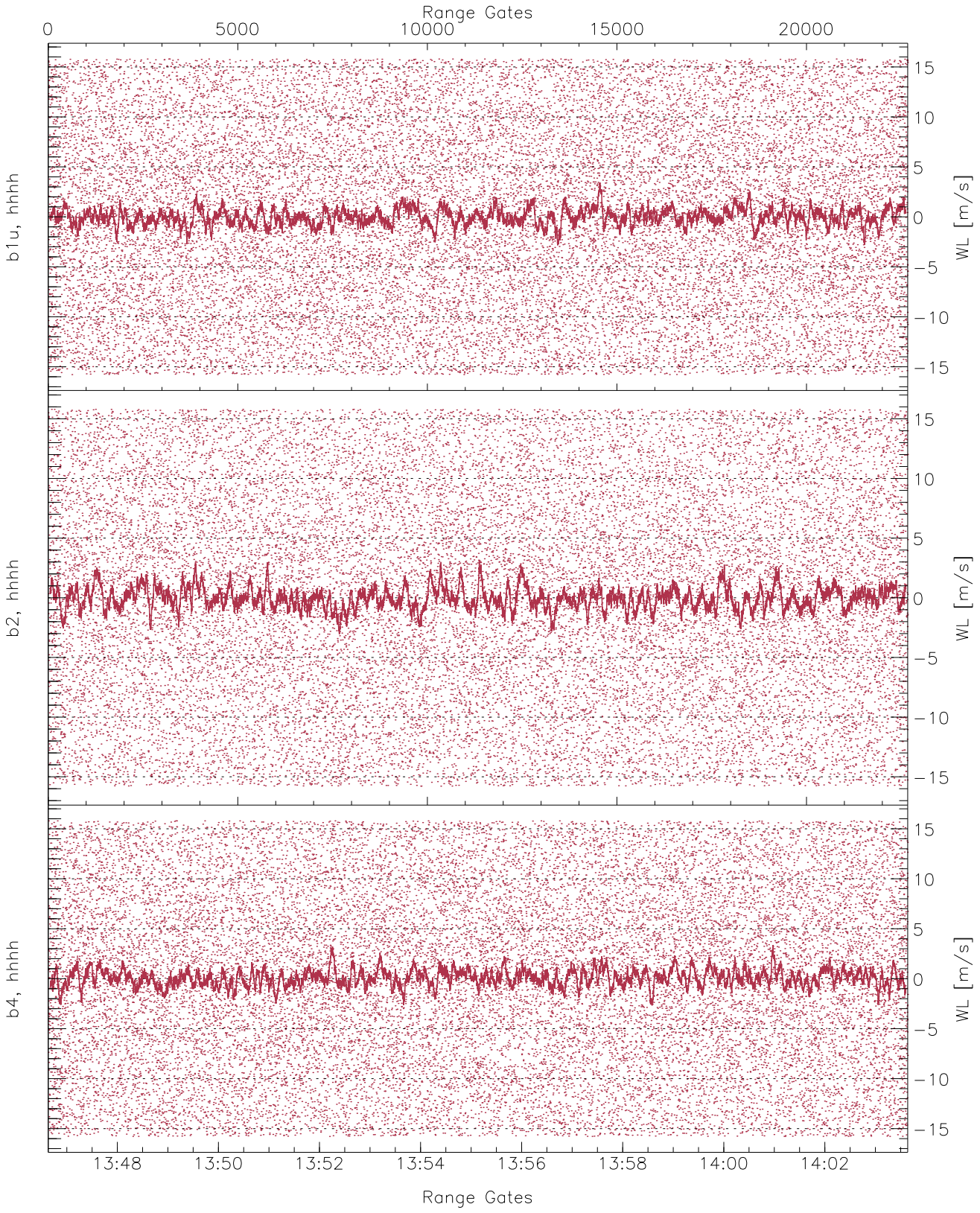
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG356_0 [dBm] | -66.52 | -63.94 | -65.21 | -65.22 | -76.70 |
| V2RG355_0 [dBm] | -66.08 | -63.61 | -64.81 | -64.81 | -76.33 |
| H2RG390_0 [dBm] | -65.96 | -63.67 | -64.79 | -64.80 | -76.27 |



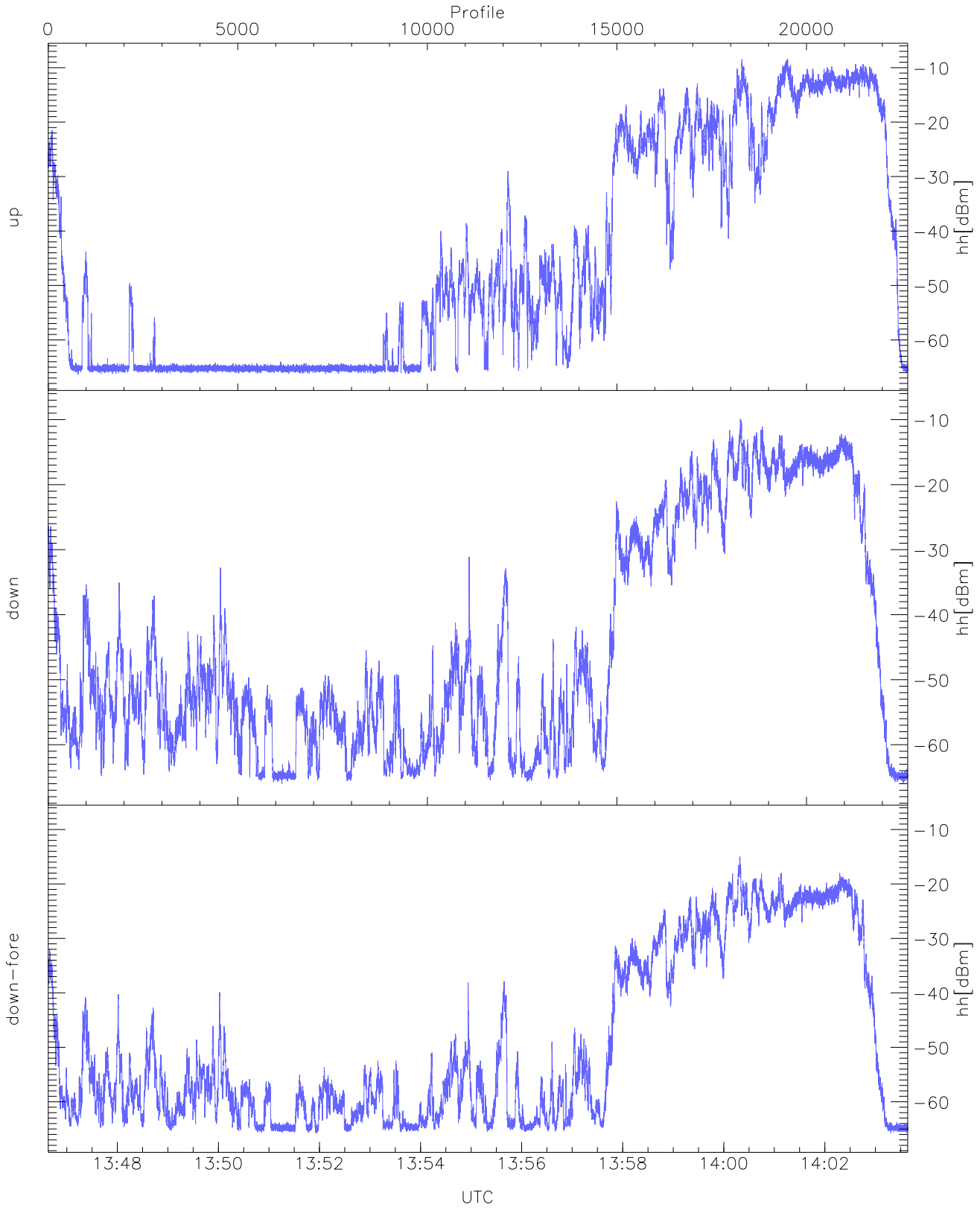

WCR3 CPP Averaged Received power for all recorded gates
blue: 134638-135508, 11337 profiles averaged
red: 135508-140338, 11336 profiles averaged




WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 134638-135508, 11337 profiles averaged
red: 135508-140338, 11336 profiles averaged

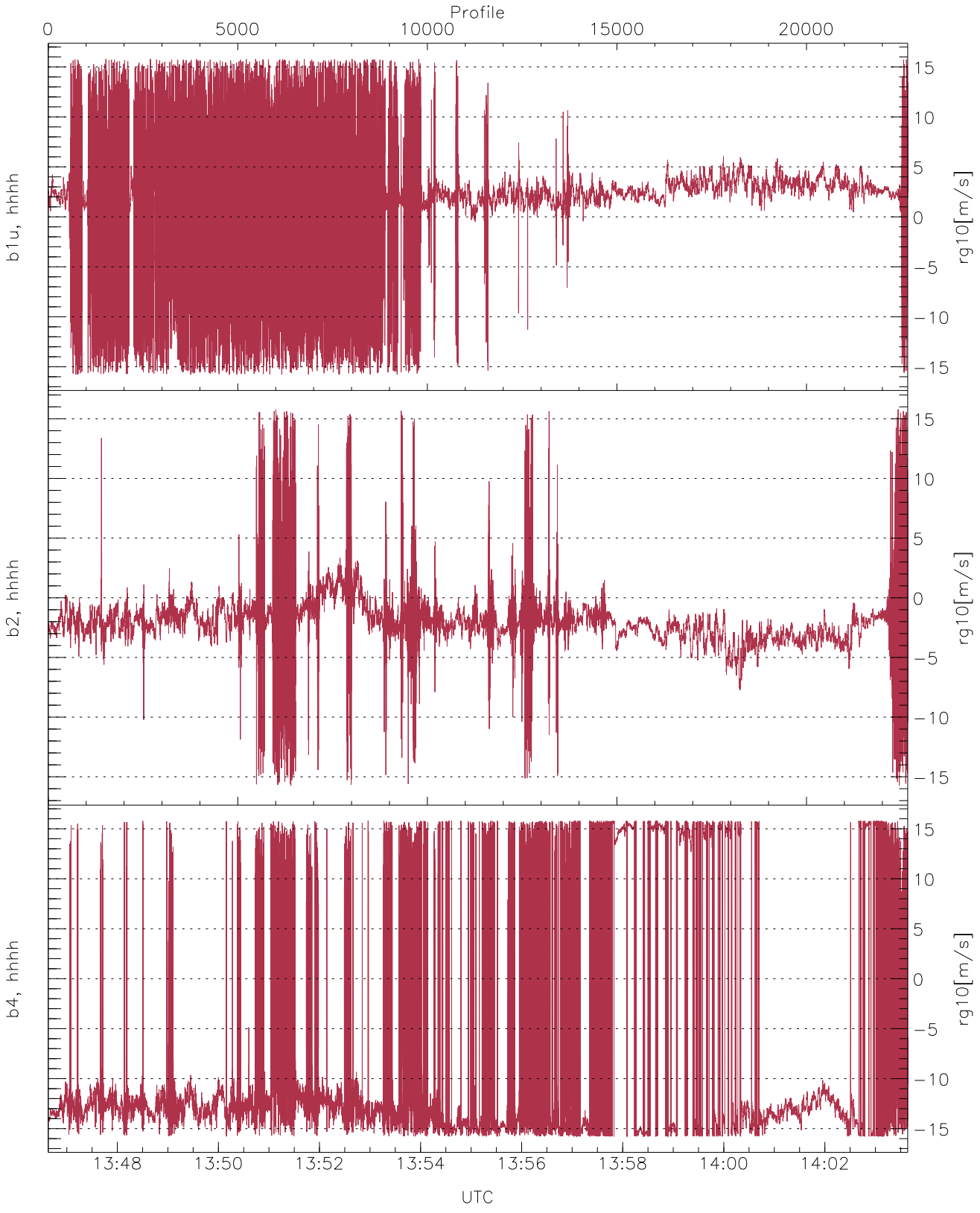



WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




WCR3 CPP Received Power Products for Range gate 10 (255.4 m)

| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -66.39 | -8.41 | -20.44 |
| down(hh[dBm]) | -66.05 | -9.89 | -23.37 |
| down-fore(hh[dBm]) | -65.80 | -14.98 | -29.61 |




WCR3 CPP Doppler Velocity Products at 255.4 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg10[m/s]) | -15.79 | 15.79 | 1.61 | 5.69 |
| b2, hhhh(rg10[m/s]) | -15.75 | 15.79 | -1.94 | 2.60 |
| b4, hhhh(rg10[m/s]) | -15.79 | 15.79 | -7.71 | 10.92 |