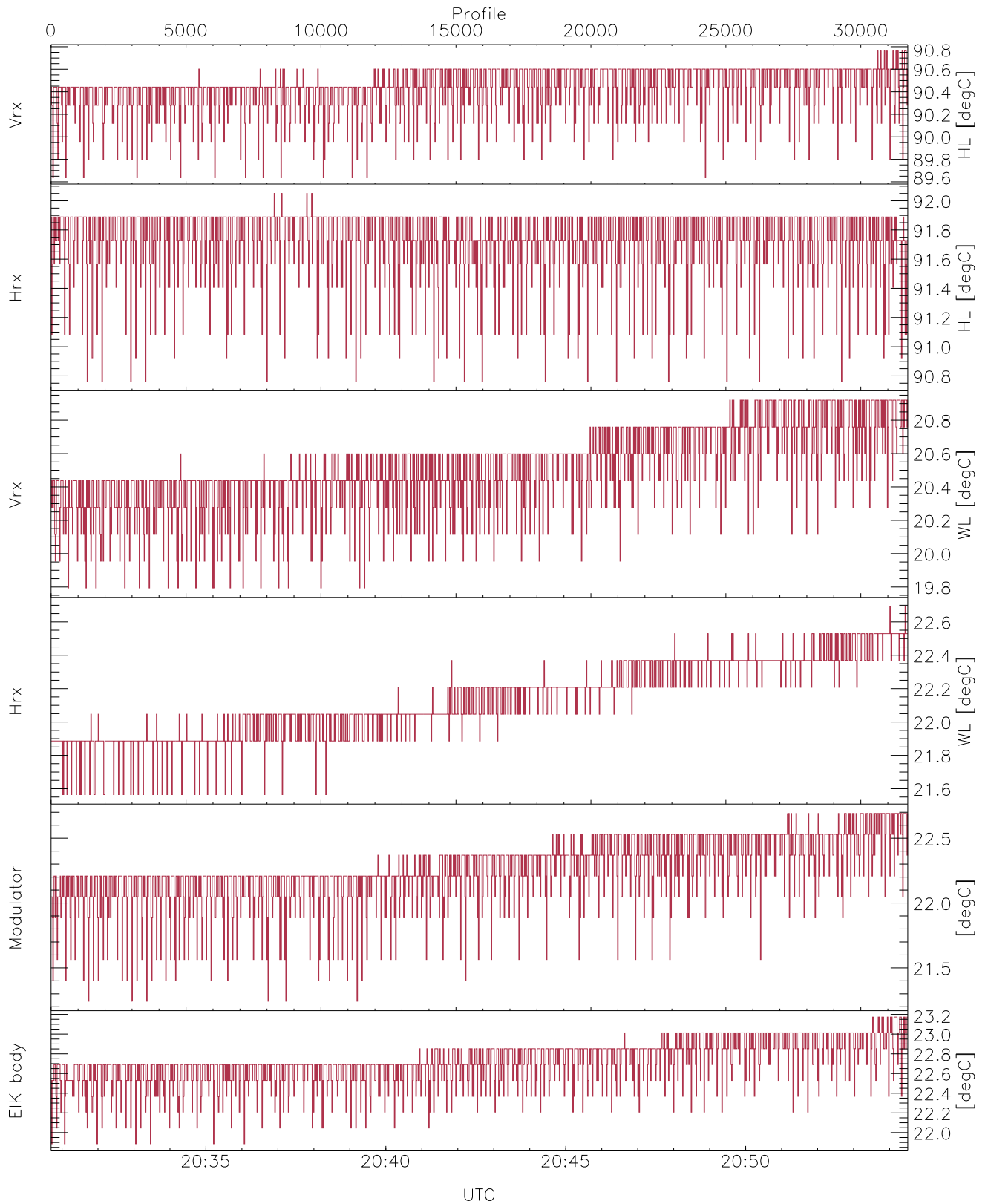


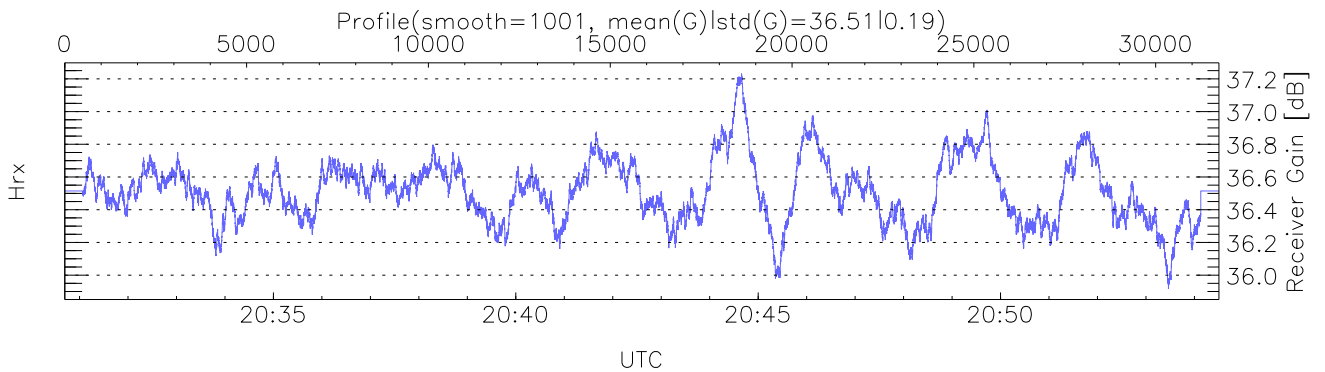
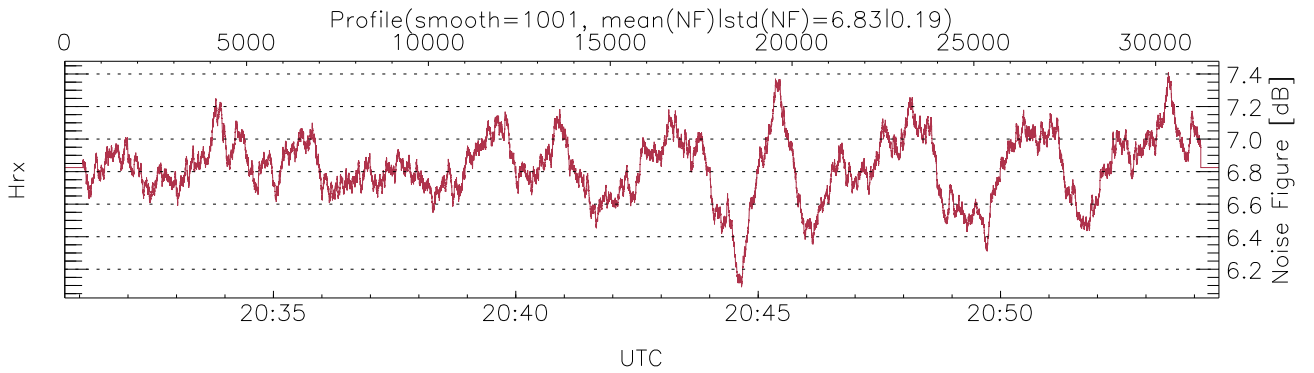
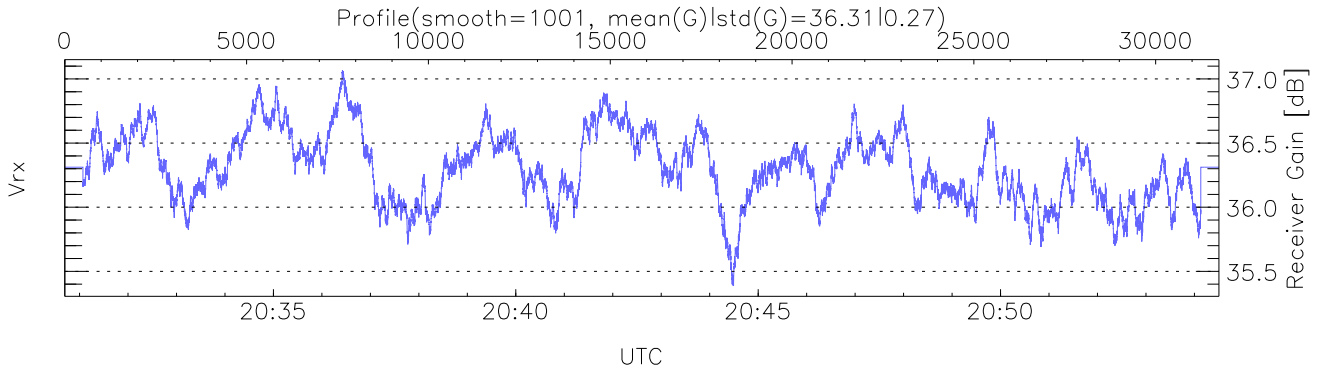
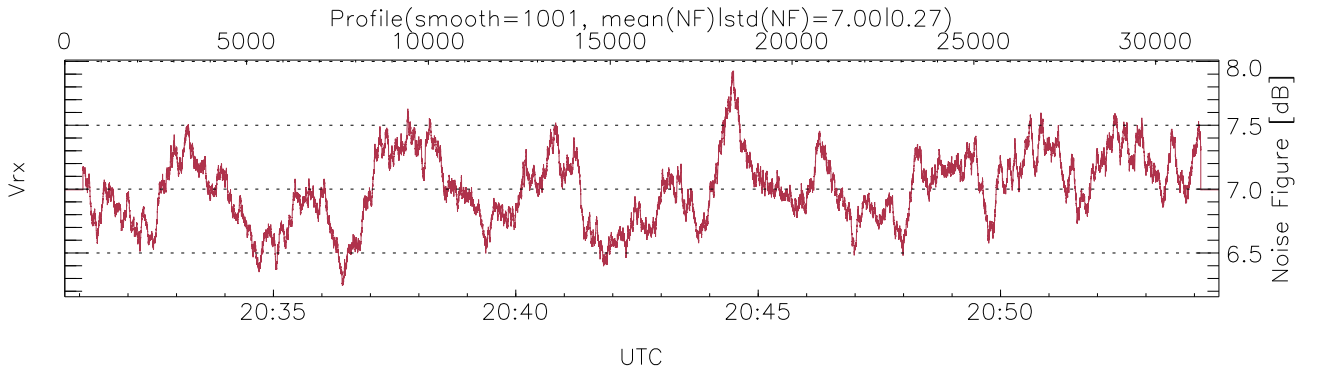
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 20:30:42-20:54:30, TimeCor: 0.00s, Dur: 1428.66s
 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): 31741/31741, 0-31740/20:30:42-20:54:30
 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,rqs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



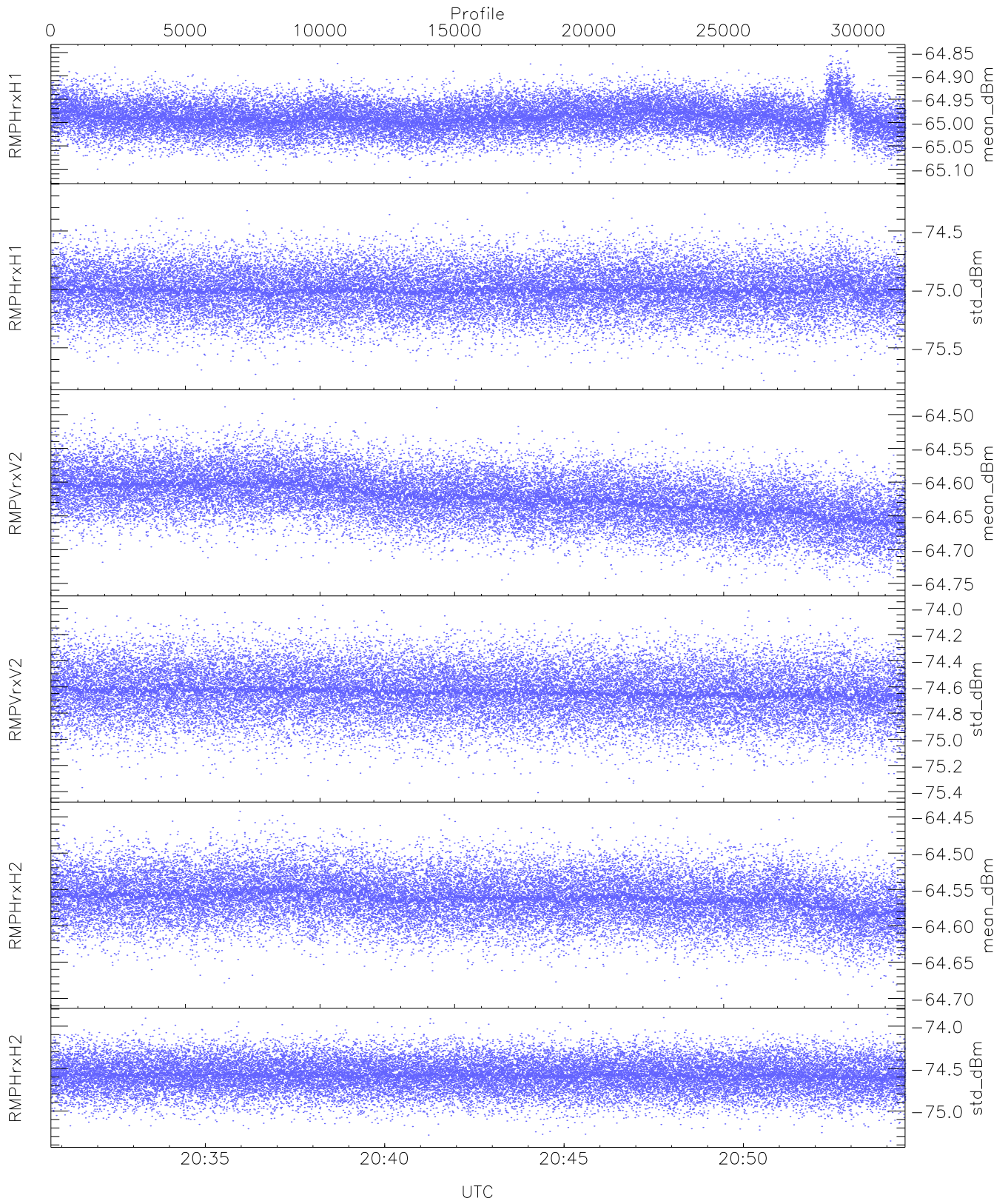
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 89,90,19,21,21,21`
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,20,22,22,23`
`LOalarm(20,240,2817,14861 MHz): 0,0,23,0`
`EIK Faults(# prof affected):`
`DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (22,22,22,22,22,22)`



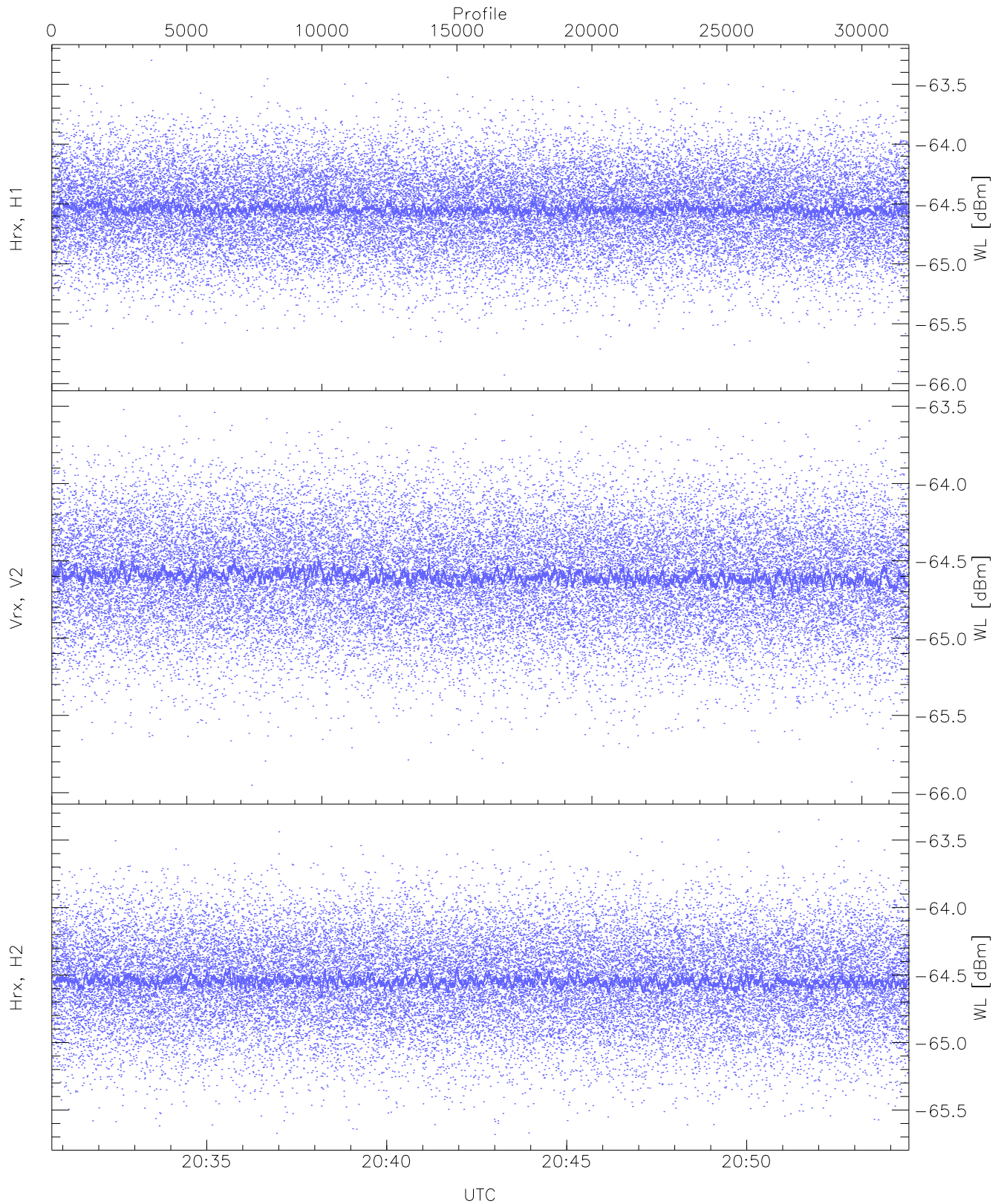
WCR3 CPP Receivers Gain and Noise Figure

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



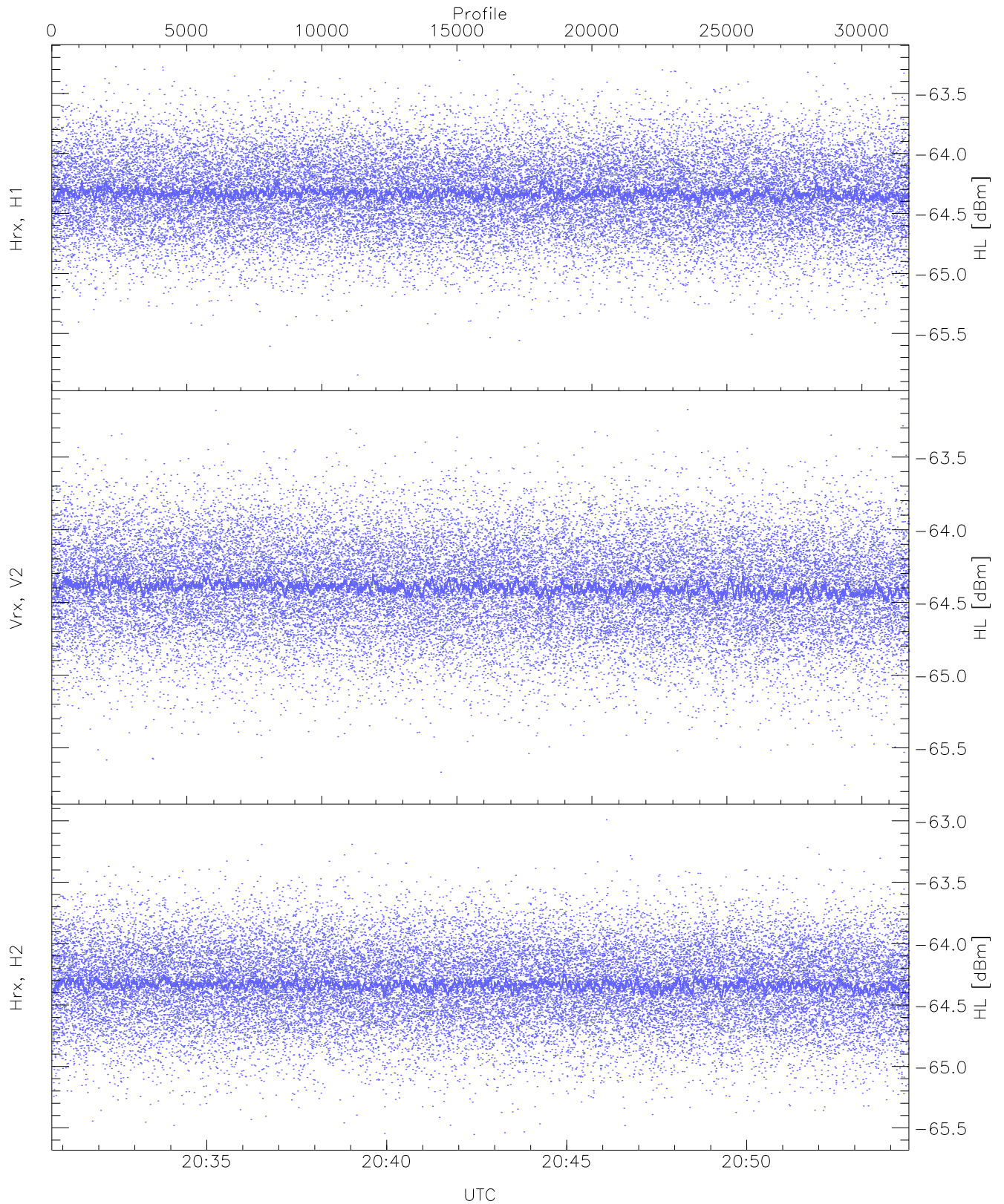
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|---------------------|--------|--------|--------|--------|--------|
| RMPHrxH1 (mean_dBm) | -65.12 | -64.85 | -64.99 | -64.99 | -86.35 |
| RMPHrxH1 (std_dBm) | -75.78 | -74.17 | -75.00 | -75.01 | -88.80 |
| RMPVrxV2 (mean_dBm) | -64.75 | -64.48 | -64.62 | -64.62 | -85.53 |
| RMPVrxV2 (std_dBm) | -75.41 | -73.98 | -74.64 | -74.64 | -88.41 |
| RMPHrxH2 (mean_dBm) | -64.70 | -64.44 | -64.56 | -64.56 | -86.05 |
| RMPHrxH2 (std_dBm) | -75.35 | -73.86 | -74.58 | -74.58 | -88.33 |



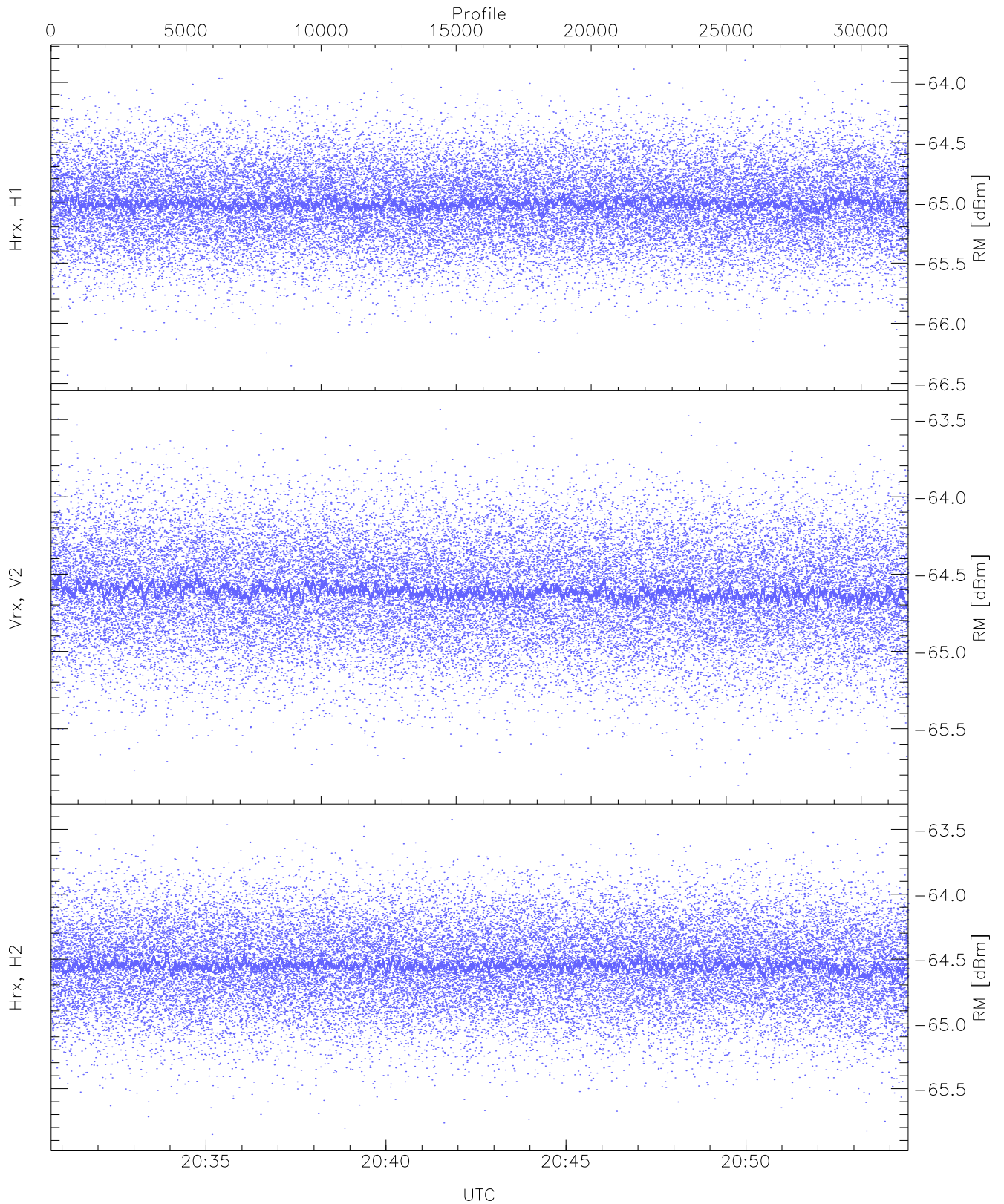
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -65.93 | -63.30 | -64.53 | -64.54 | -76.05 |
| Vrx, V2 (WL [dBm]) | -65.95 | -63.52 | -64.59 | -64.60 | -76.06 |
| Hrx, H2 (WL [dBm]) | -65.68 | -63.35 | -64.54 | -64.54 | -76.03 |



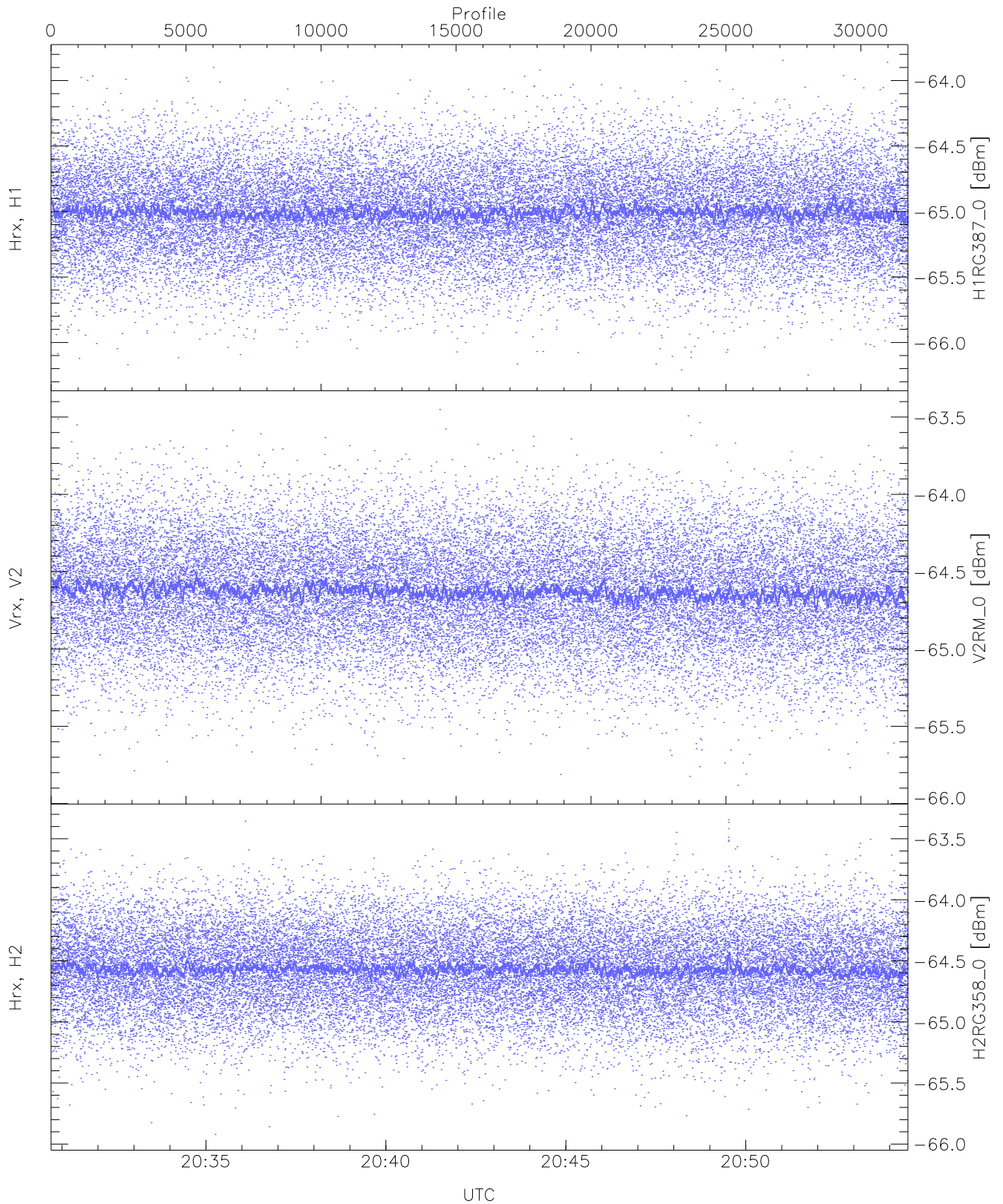
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.85 | -63.22 | -64.33 | -64.33 | -75.84 |
| Vrx, V2 (HL [dBm]) | -65.76 | -63.17 | -64.39 | -64.40 | -75.91 |
| Hrx, H2 (HL [dBm]) | -65.55 | -62.99 | -64.33 | -64.34 | -75.83 |



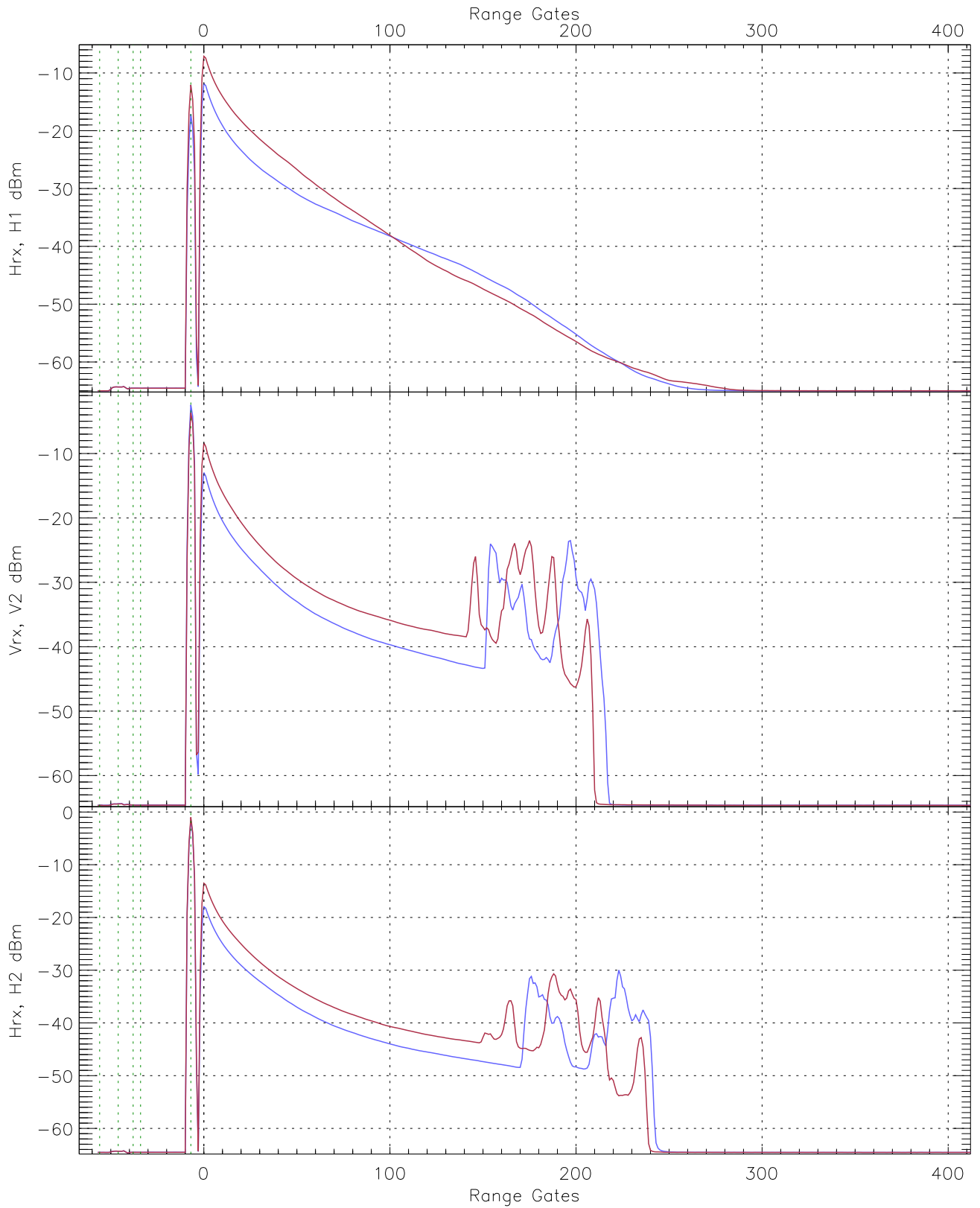
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.43 | -63.82 | -65.00 | -65.01 | -76.51 |
| Vrx, V2 (RM [dBm]) | -65.87 | -63.44 | -64.61 | -64.62 | -76.12 |
| Hrx, H2 (RM [dBm]) | -65.85 | -63.43 | -64.55 | -64.55 | -76.07 |

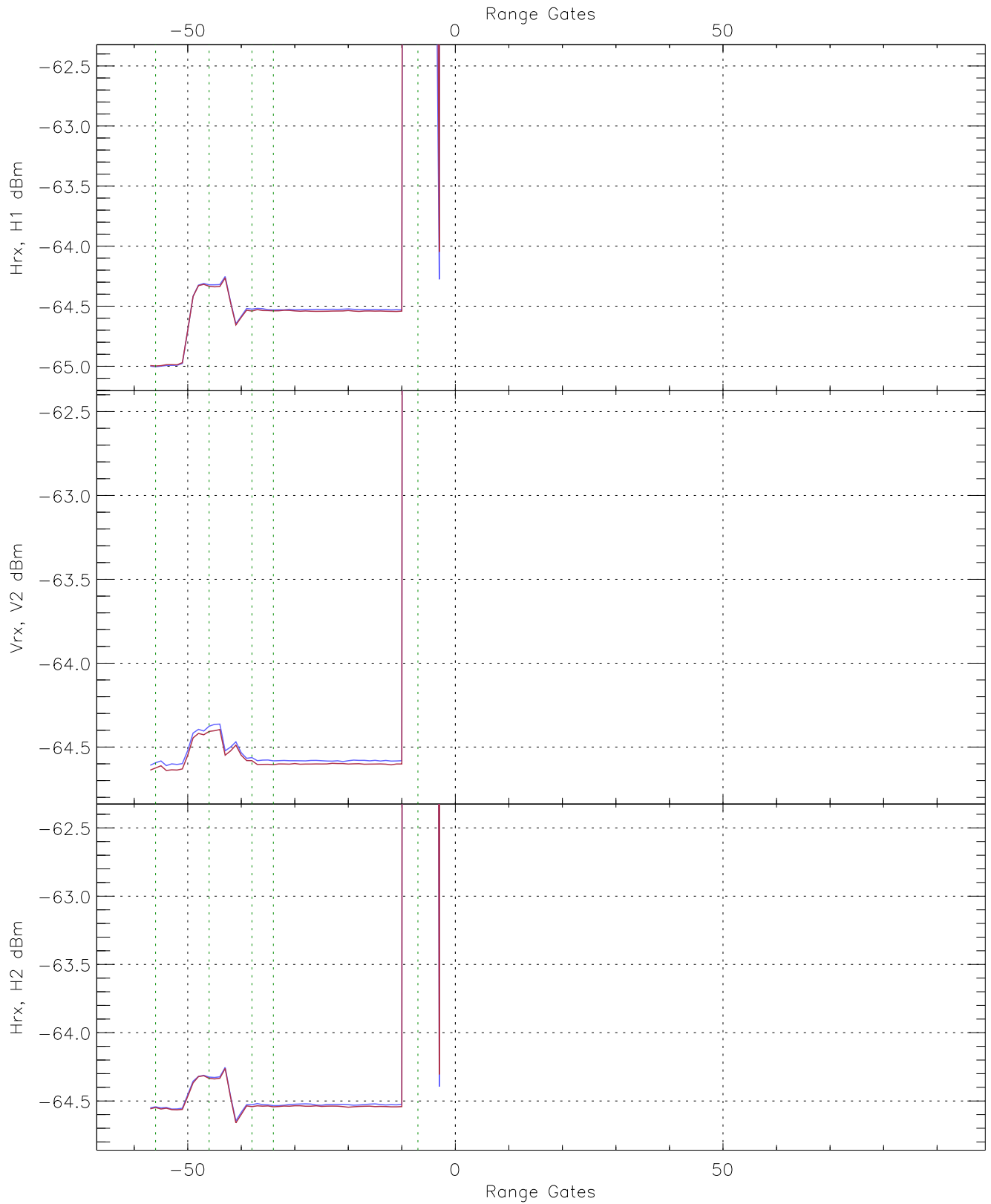


WCR3 CPP "Best" estimate Receivers Noise Power

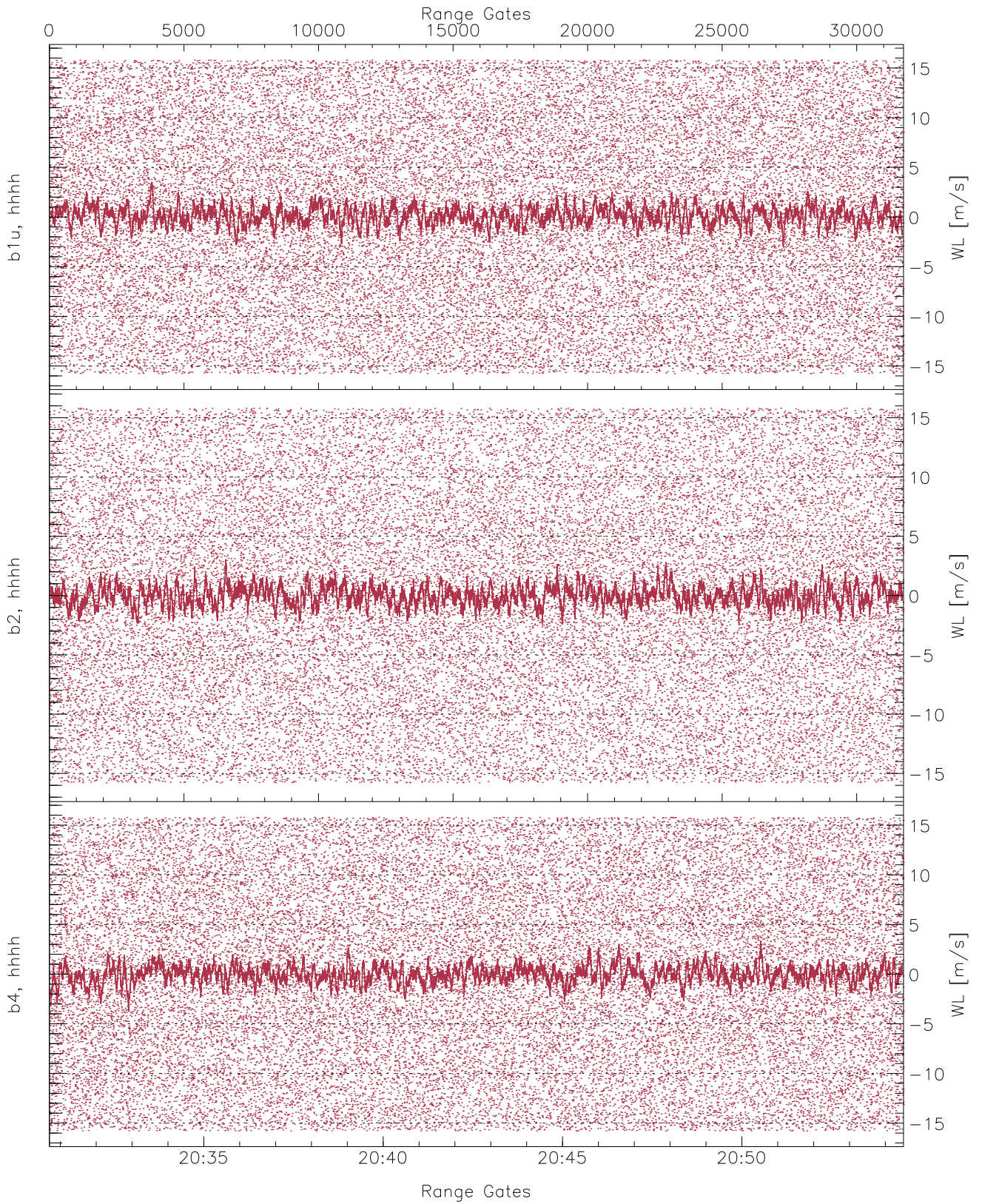
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG387_0 [dBm] | -66.25 | -63.85 | -65.00 | -65.01 | -76.48 |
| V2RM_0 [dBm] | -65.88 | -63.45 | -64.62 | -64.63 | -76.13 |
| H2RG358_0 [dBm] | -65.92 | -63.34 | -64.56 | -64.57 | -76.09 |



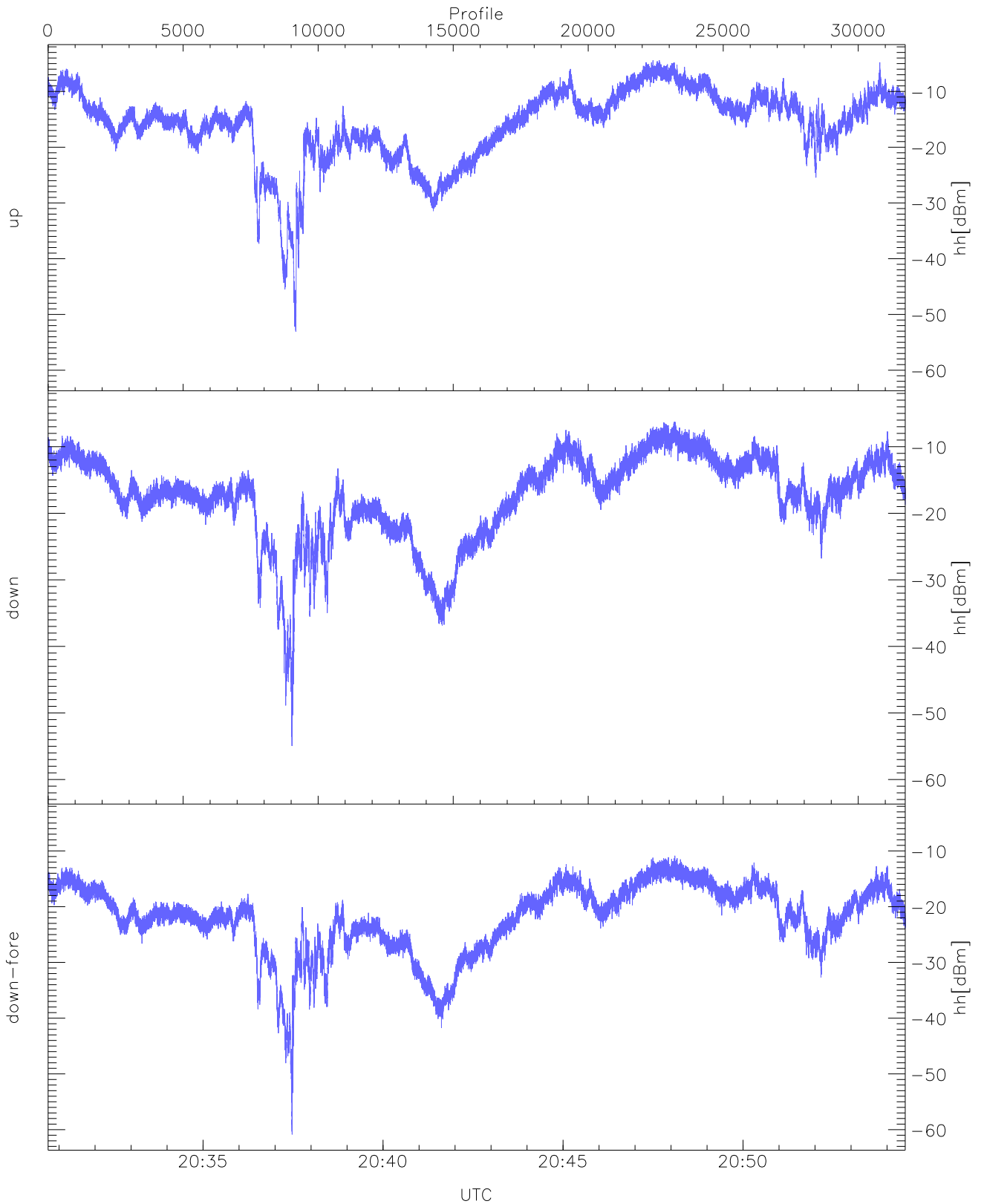
WCR3 CPP Averaged Received power for all recorded gates
blue: 203042-204236, 15871 profiles averaged
red: 204236-205430, 15871 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 203042-204236, 15871 profiles averaged
red: 204236-205430, 15871 profiles averaged

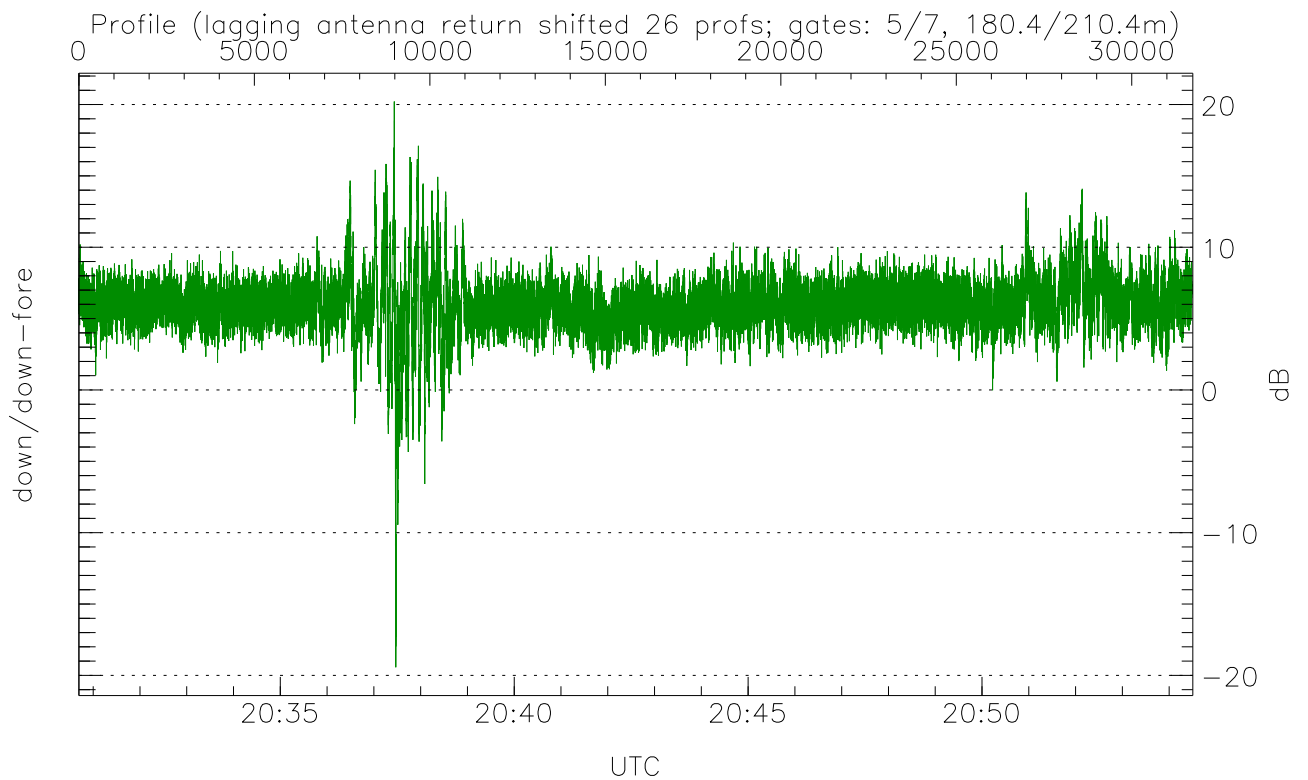
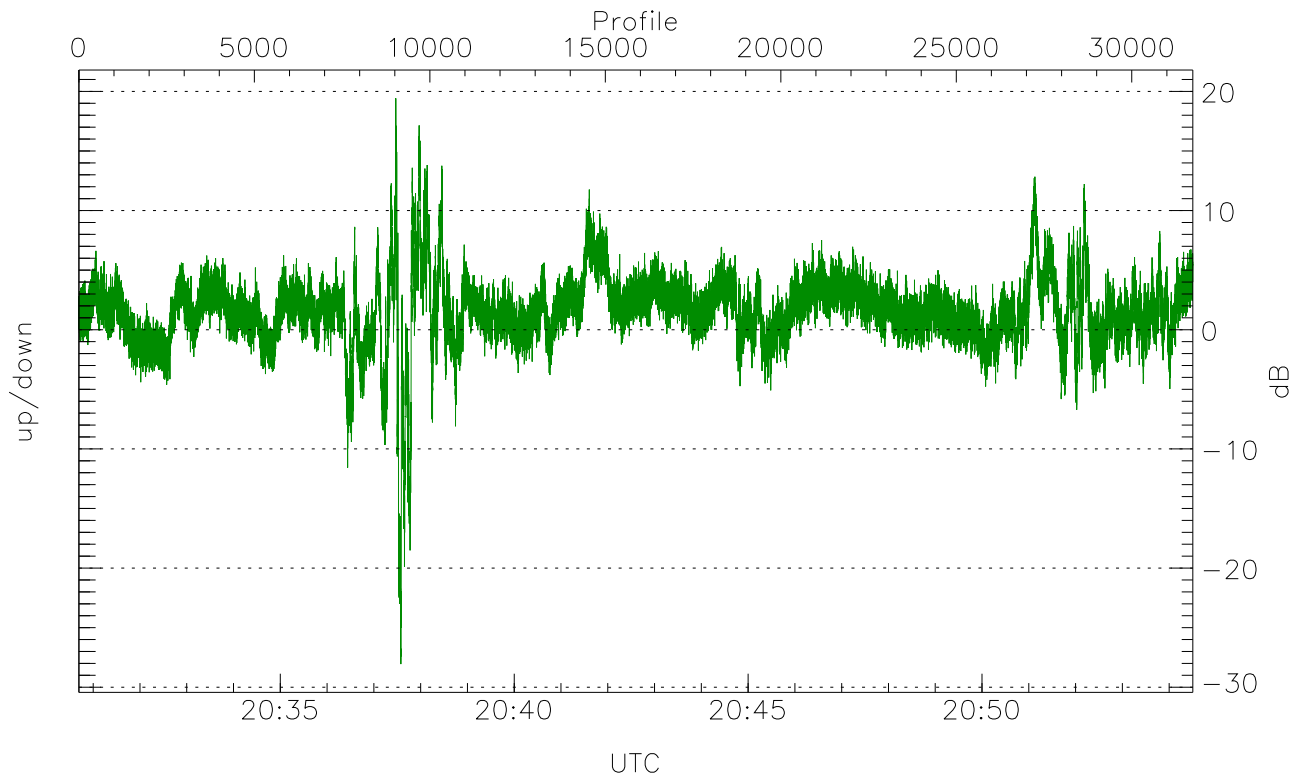


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



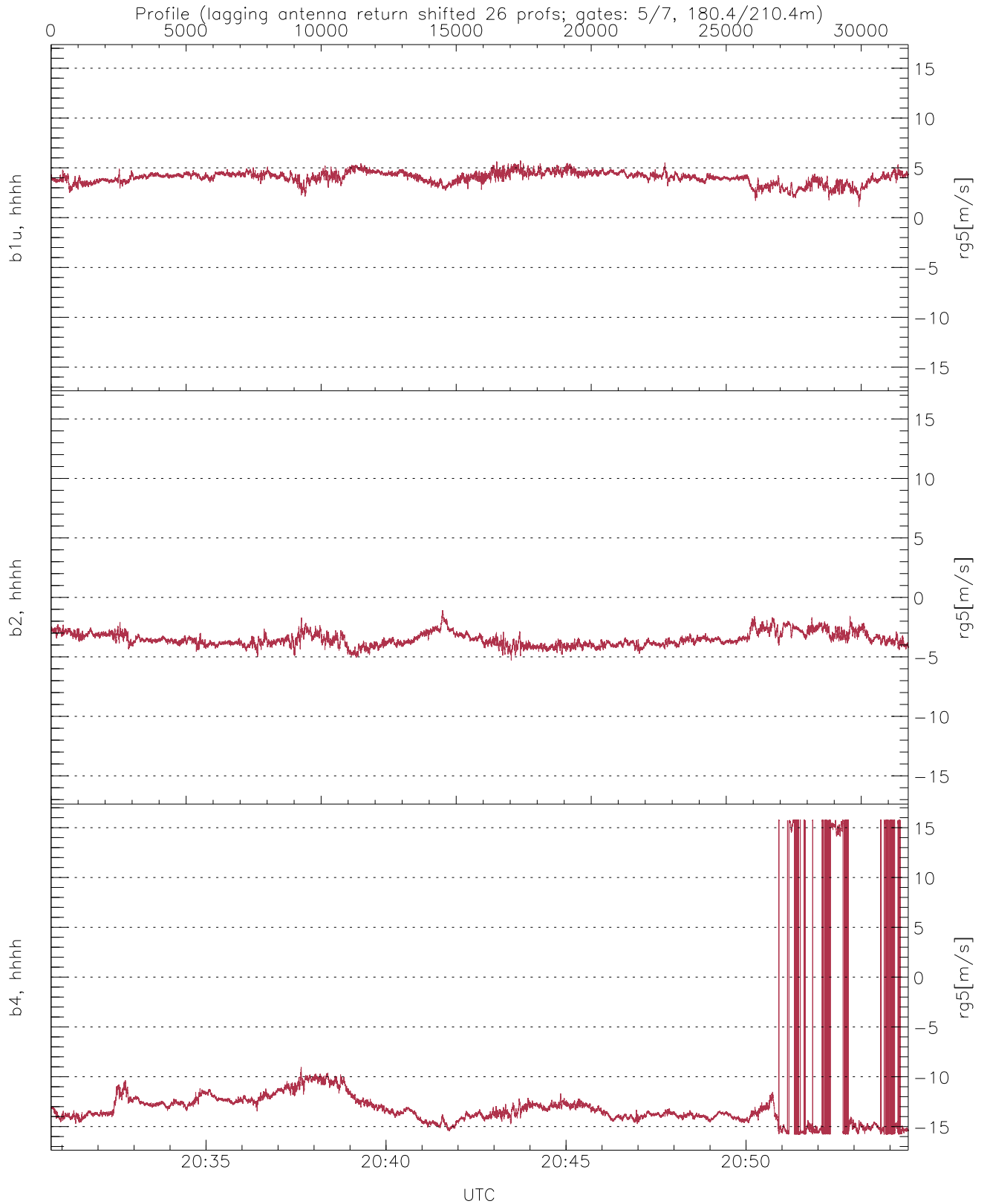
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -53.08 | -4.41 | -12.81 |
| down(hh[dBm]) | -54.95 | -6.28 | -14.46 |
| down-fore(hh[dBm]) | -60.86 | -10.86 | -19.12 |



WCR3 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -28.06 | 19.42 | 1.59 |
| down/down-fore (dB) | -19.43 | 20.21 | 5.96 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|--------|-------|
| b1u, hhhh(rg5[m/s]) | 1.10 | 5.75 | 4.01 | 0.59 |
| b2, hhhh(rg5[m/s]) | -5.29 | -1.10 | -3.52 | 0.57 |
| b4, hhhh(rg5[m/s]) | -15.79 | 15.79 | -12.17 | 5.75 |