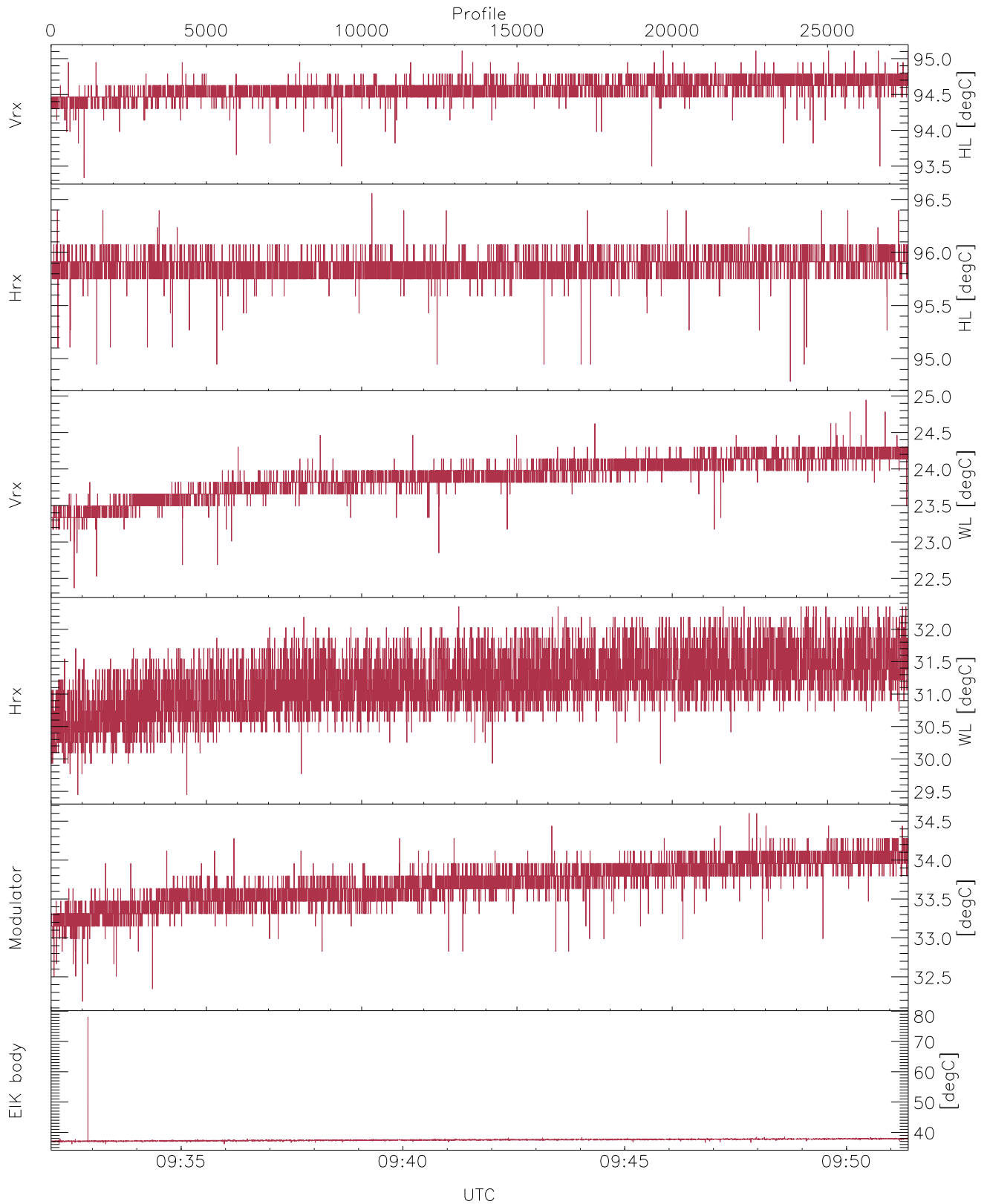


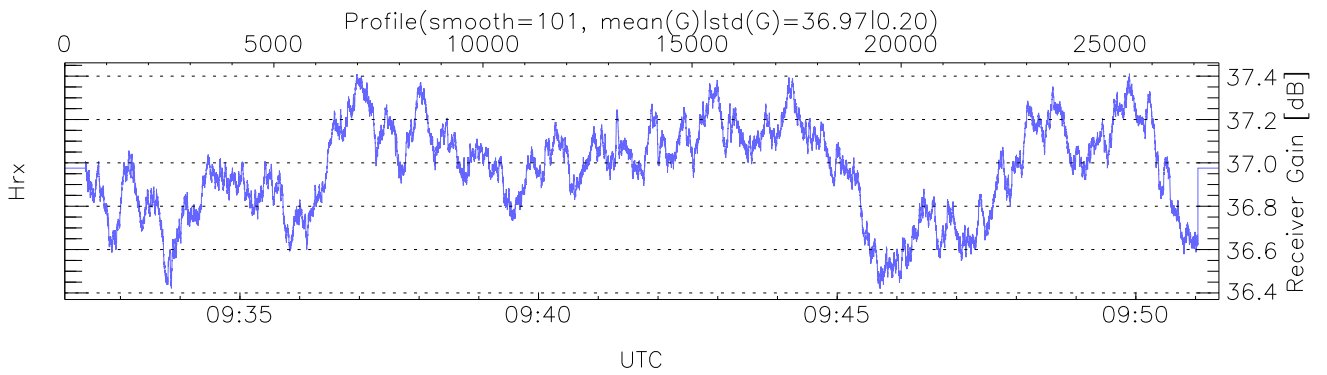
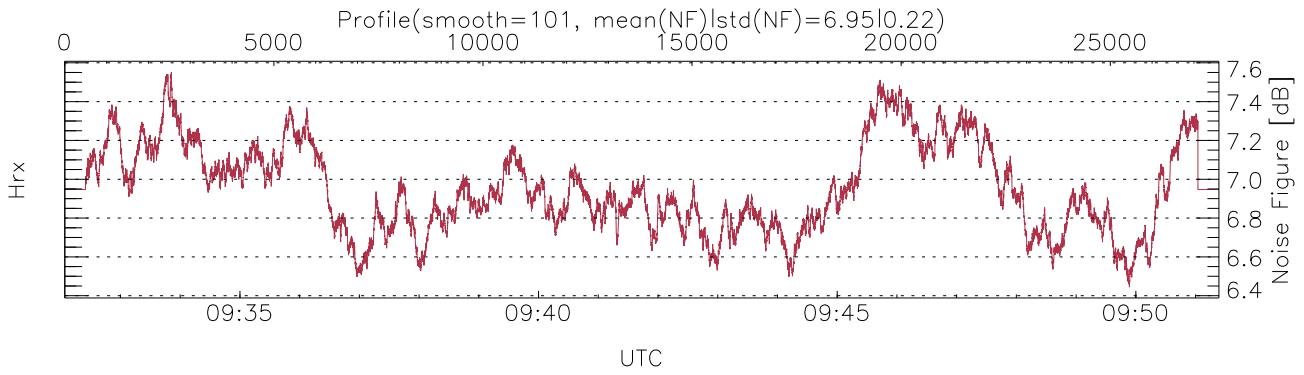
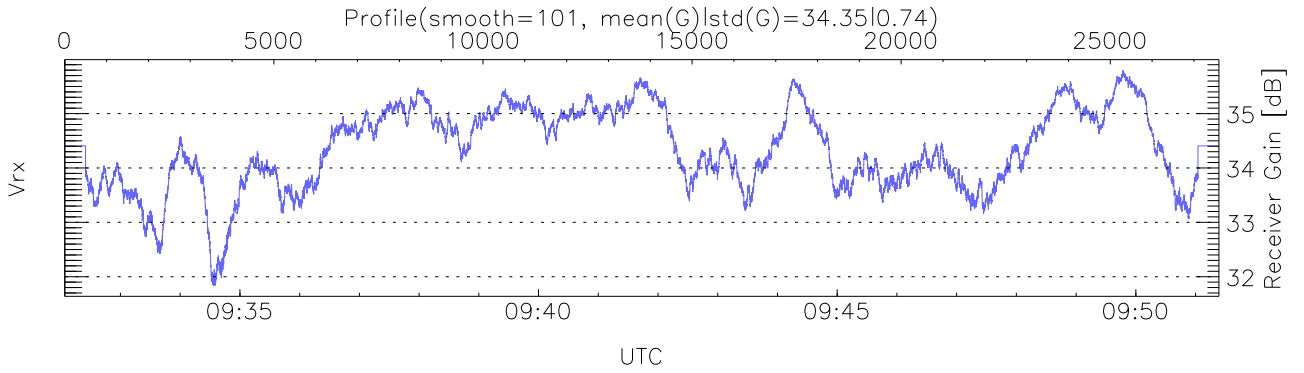
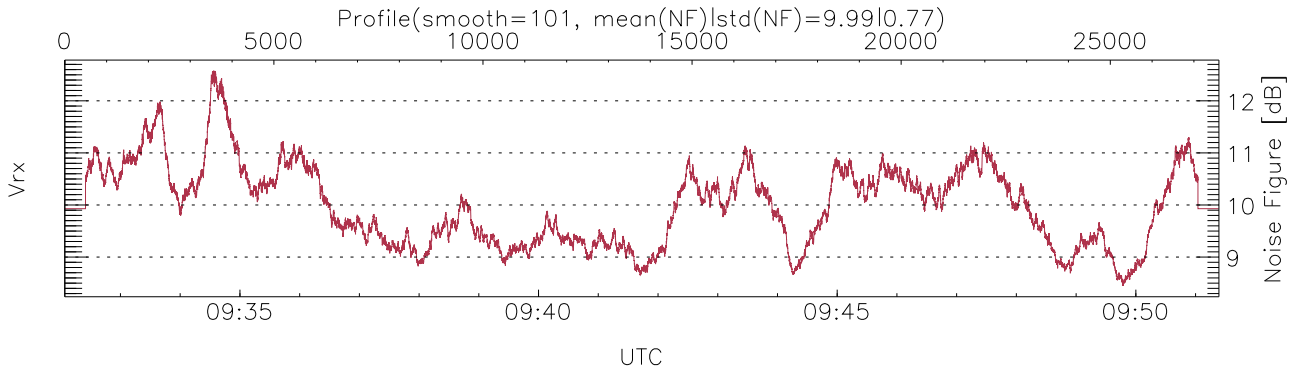
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 09:32:04-09:59:24, Dur: 1640.13s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24
 NumRec(r/t): 27600/39042, 0-27599/09:32:04-09:51:24
 AcqTime: 42.0ms, Rate: 377KB/s, Averages: 140
 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,rqs): 105,6187,15.0 m, Gates: 406, Aspect: 4.0
 Mirror(-9|0|1|2,3,9x)=no mirror|sidelup|error): 1

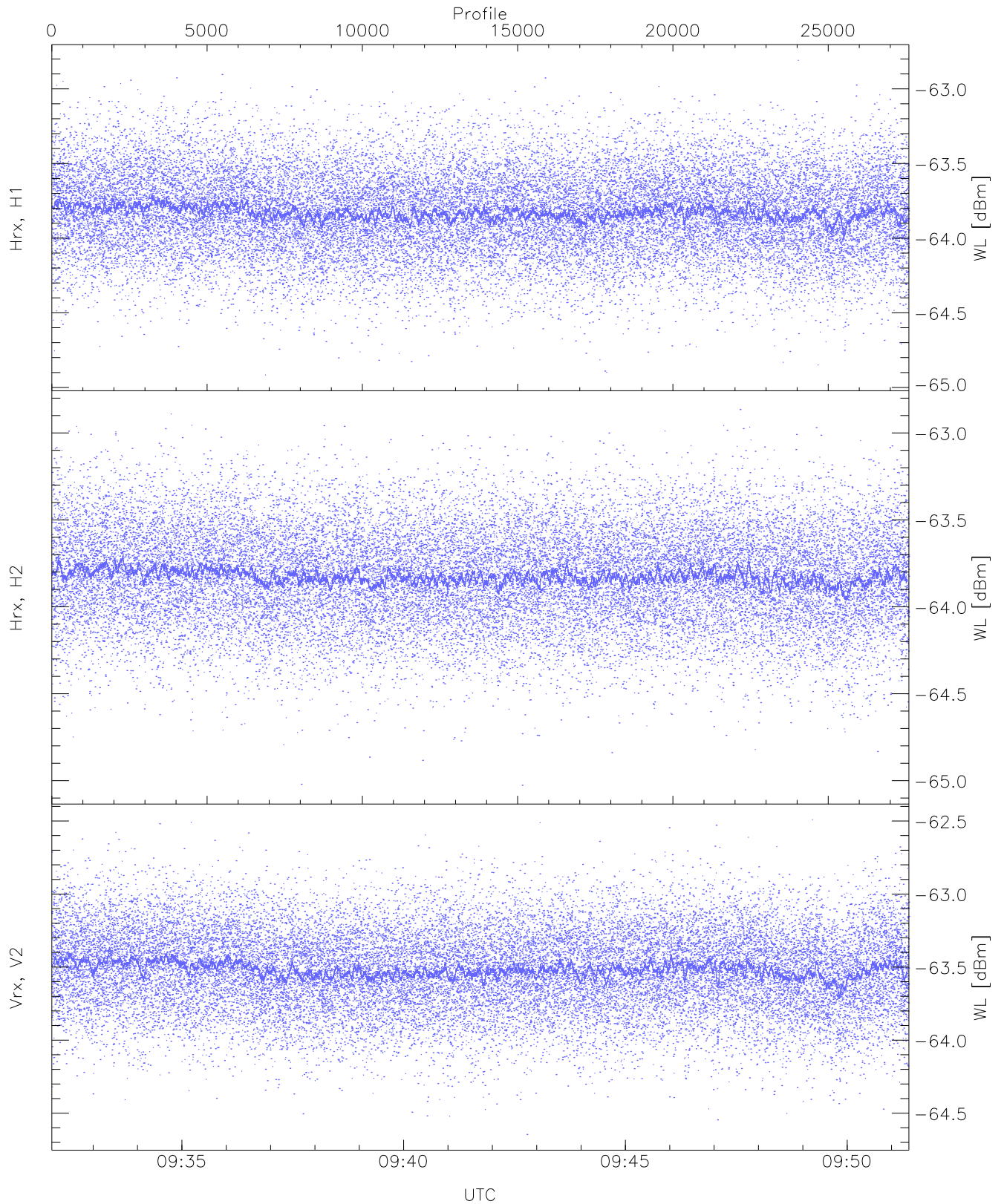


WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,22,29,32,36
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 95,96,24,32,34,78
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK/Modulator Faults: None

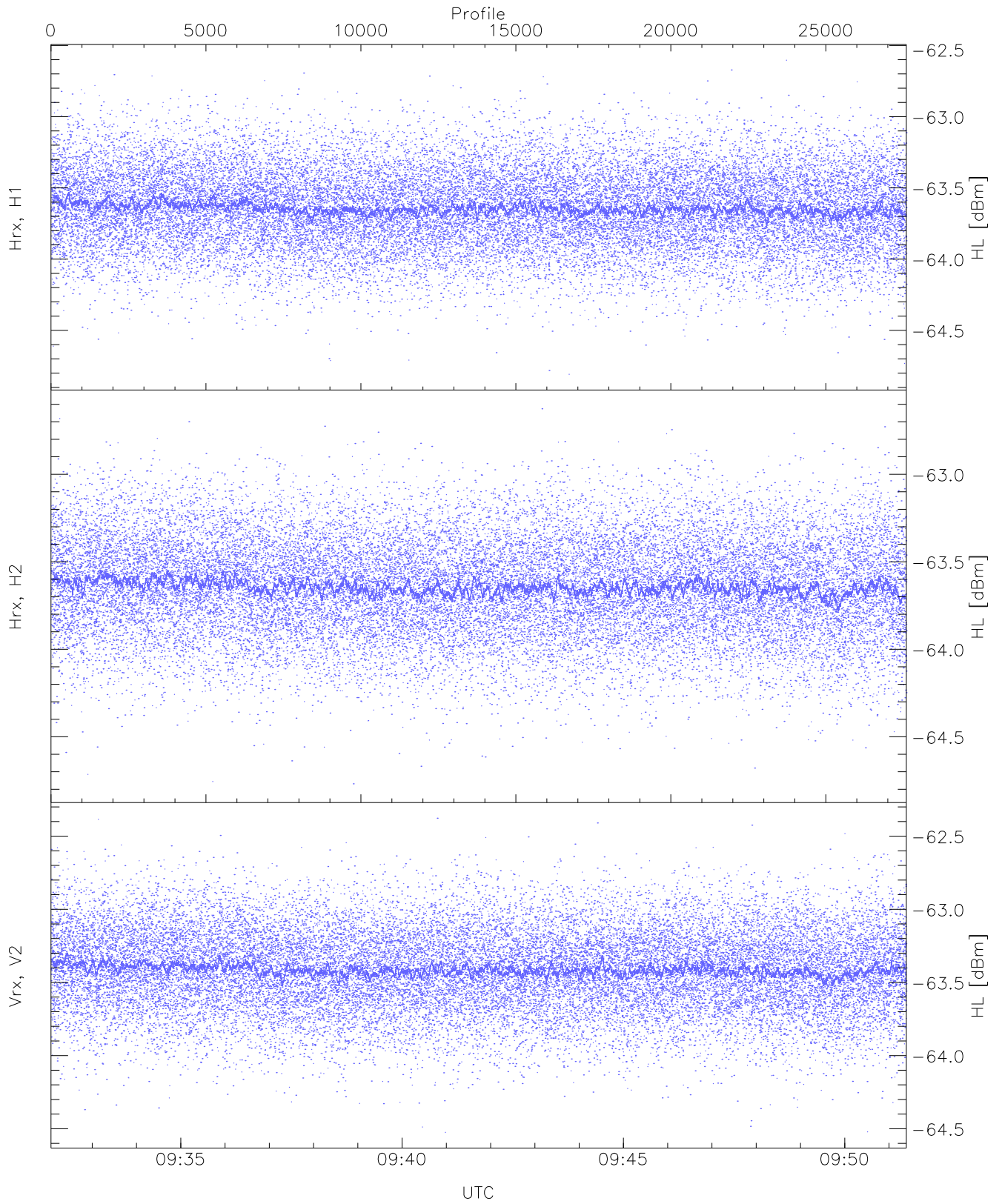


WCR2 CPP Receivers Gain and Noise Figure



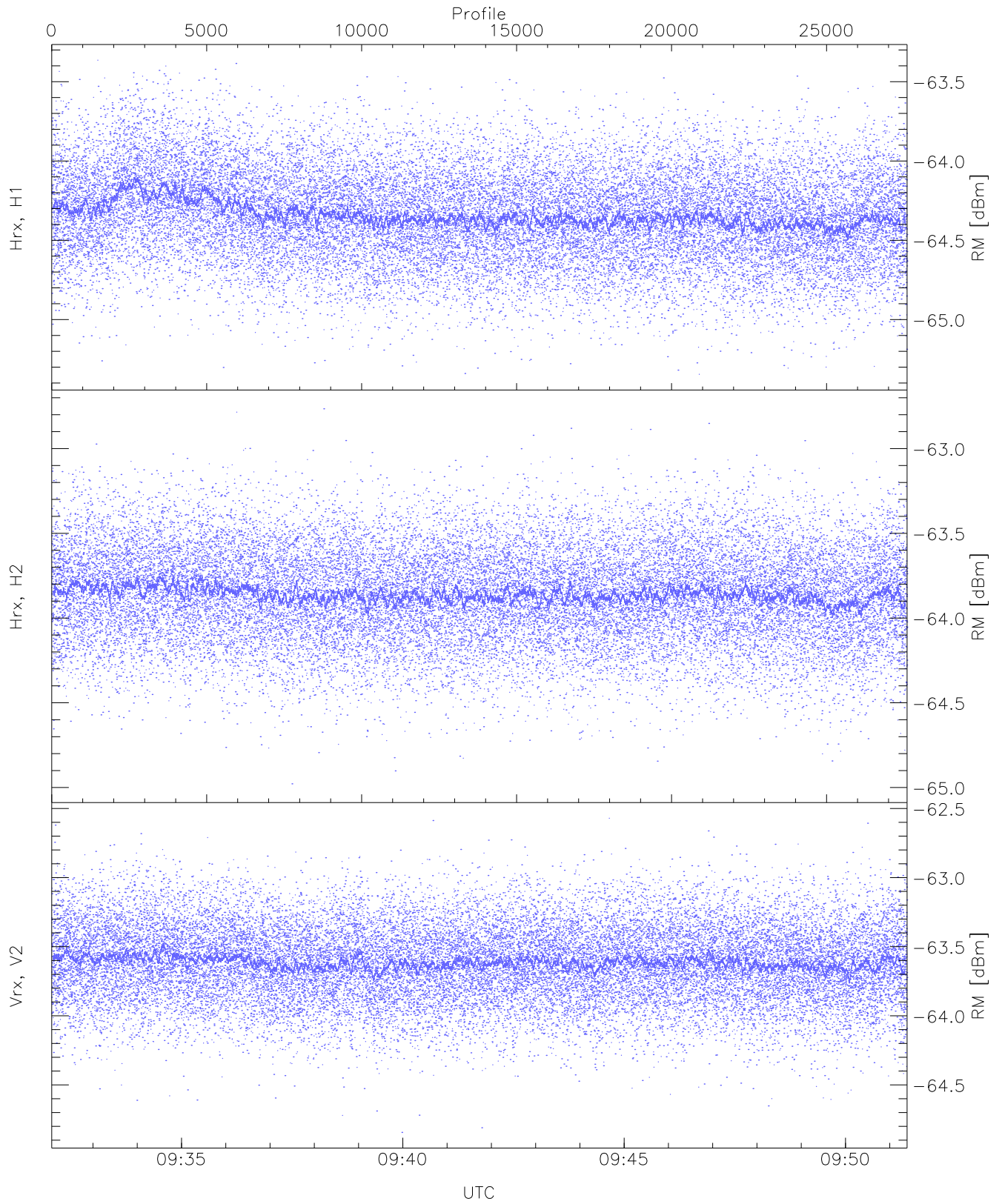
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -64.92 | -62.81 | -63.82 | -63.83 | -75.94 |
| Hrx, H2 (WL [dBm]) | -65.03 | -62.87 | -63.82 | -63.83 | -75.98 |
| Vrx, V2 (WL [dBm]) | -64.65 | -62.49 | -63.51 | -63.52 | -75.58 |



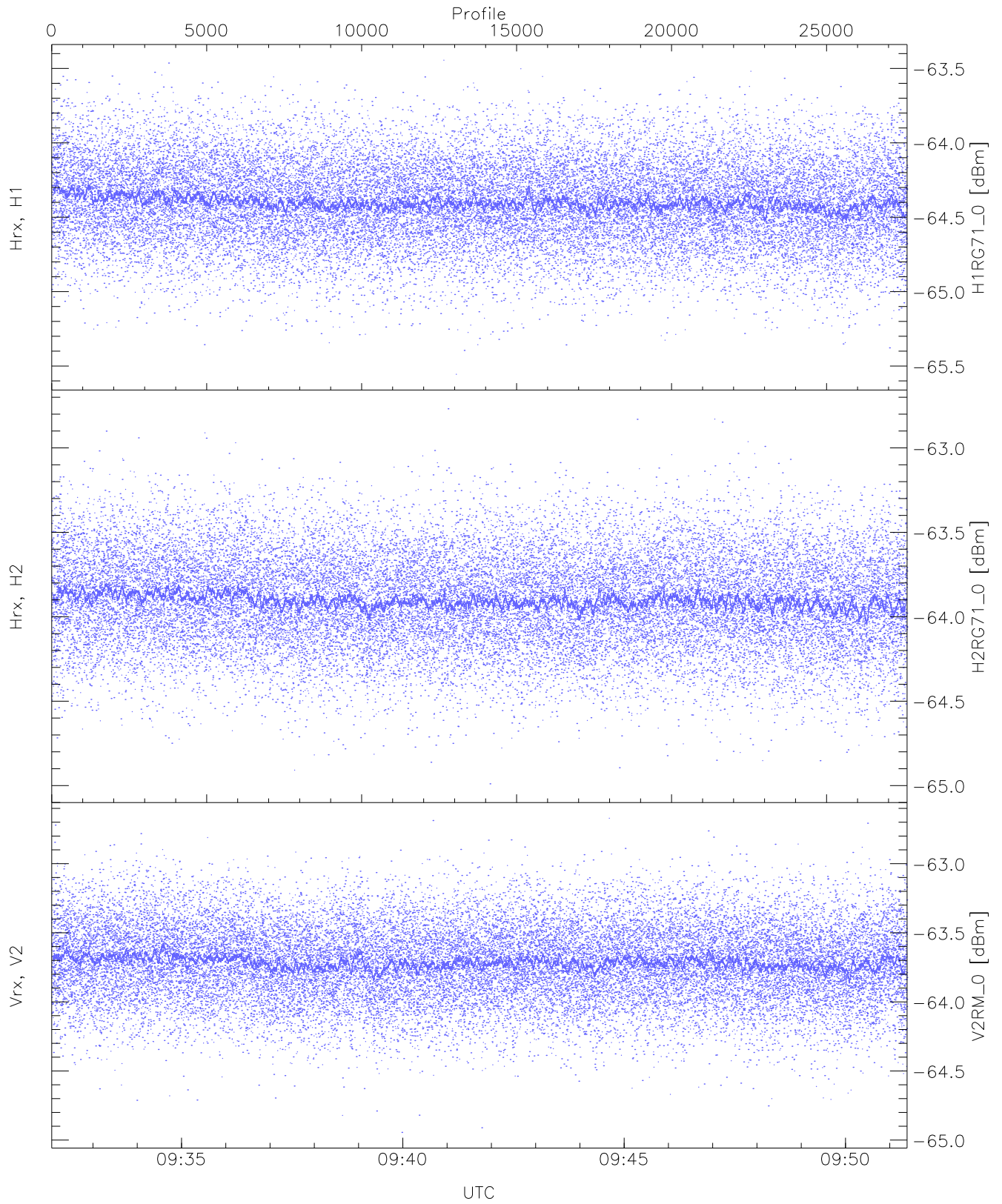
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -64.81 | -62.60 | -63.64 | -63.65 | -75.78 |
| Hrx, H2 (HL [dBm]) | -64.77 | -62.63 | -63.64 | -63.65 | -75.77 |
| Vrx, V2 (HL [dBm]) | -64.52 | -62.38 | -63.41 | -63.41 | -75.54 |



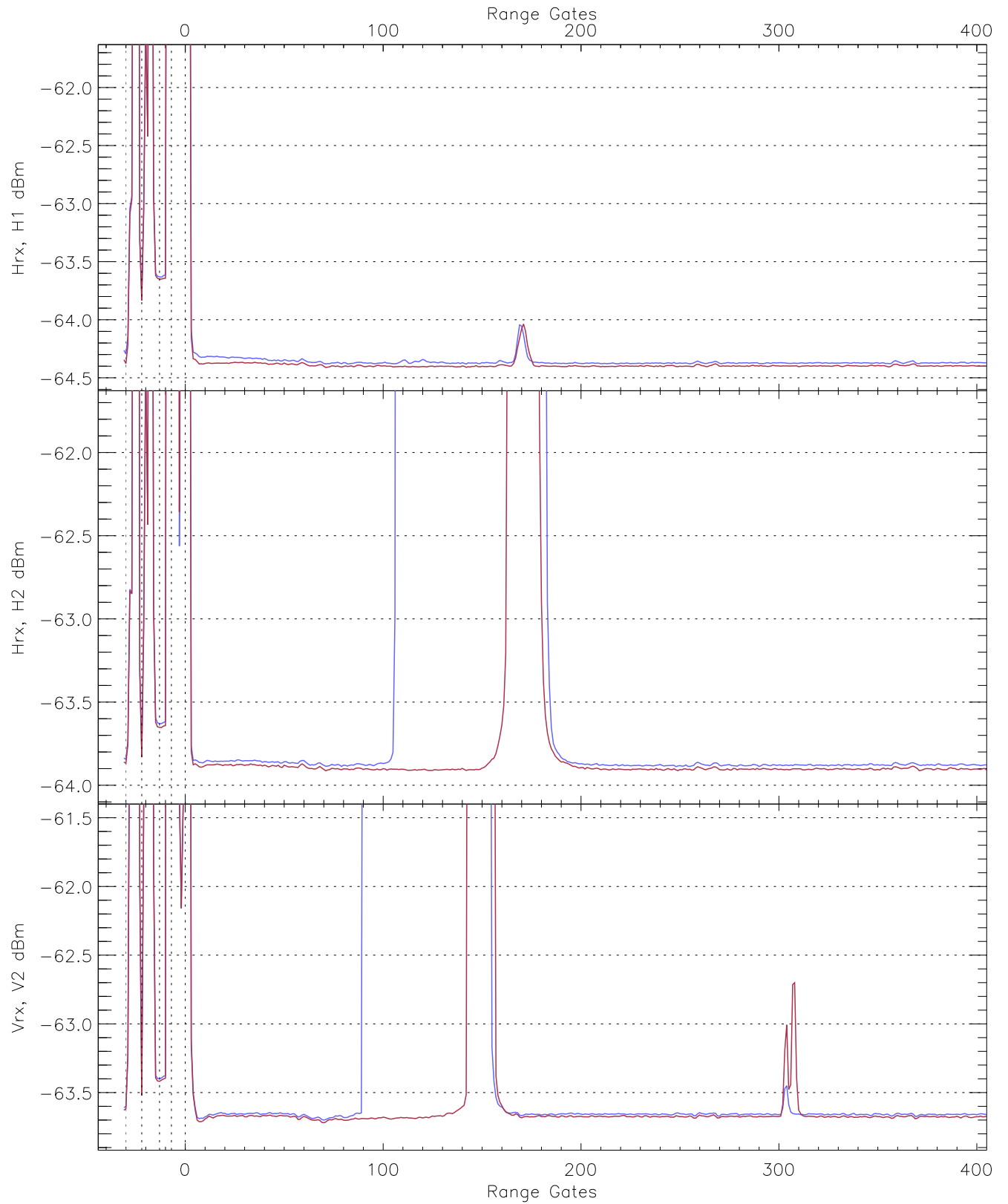
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -65.35 | -63.36 | -64.34 | -64.34 | -76.33 |
| Hrx, H2 (RM [dBm]) | -64.98 | -62.77 | -63.86 | -63.86 | -75.98 |
| Vrx, V2 (RM [dBm]) | -64.84 | -62.57 | -63.61 | -63.61 | -75.72 |

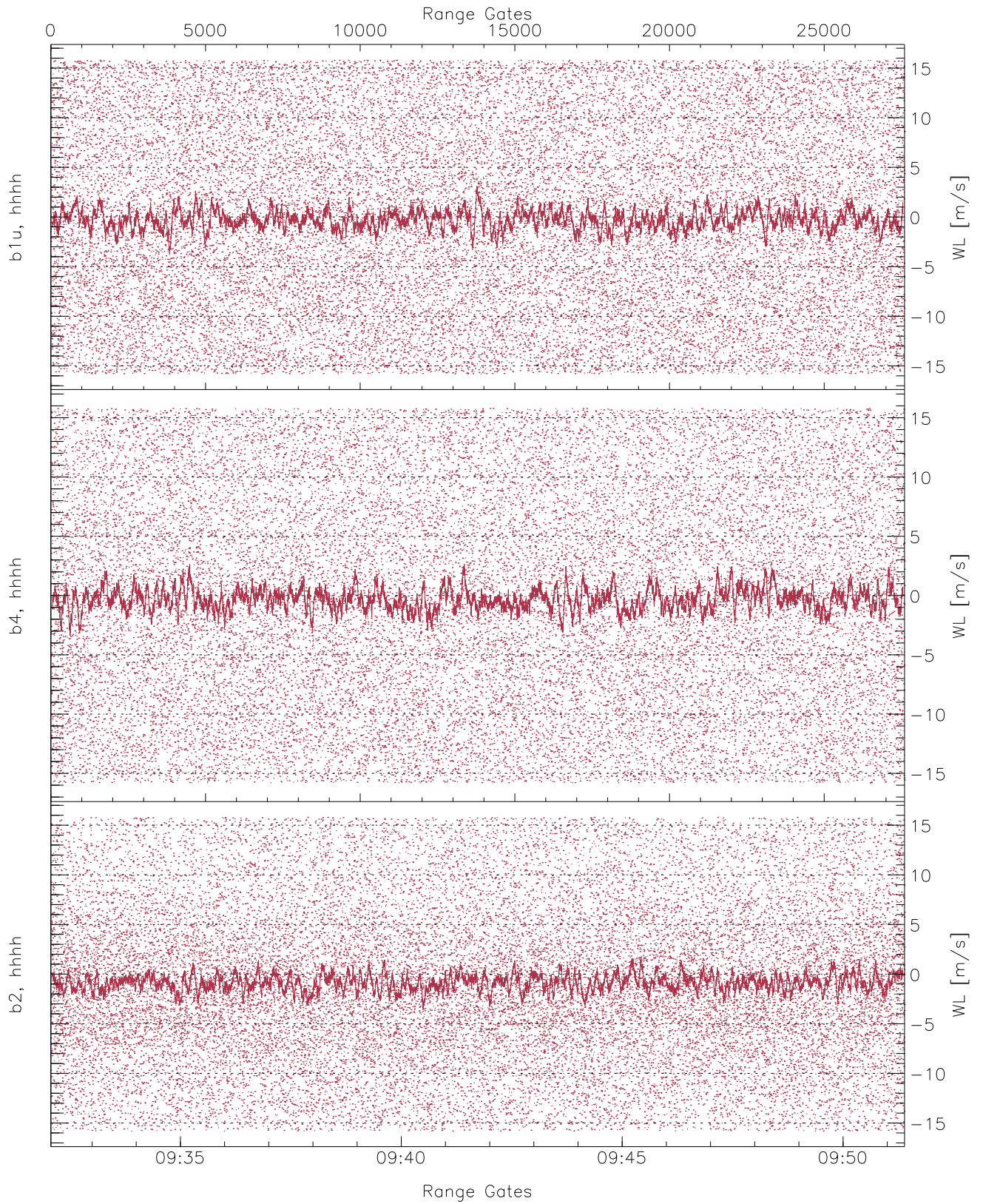


WCR2 CPP "Best" estimate Receivers Noise Power

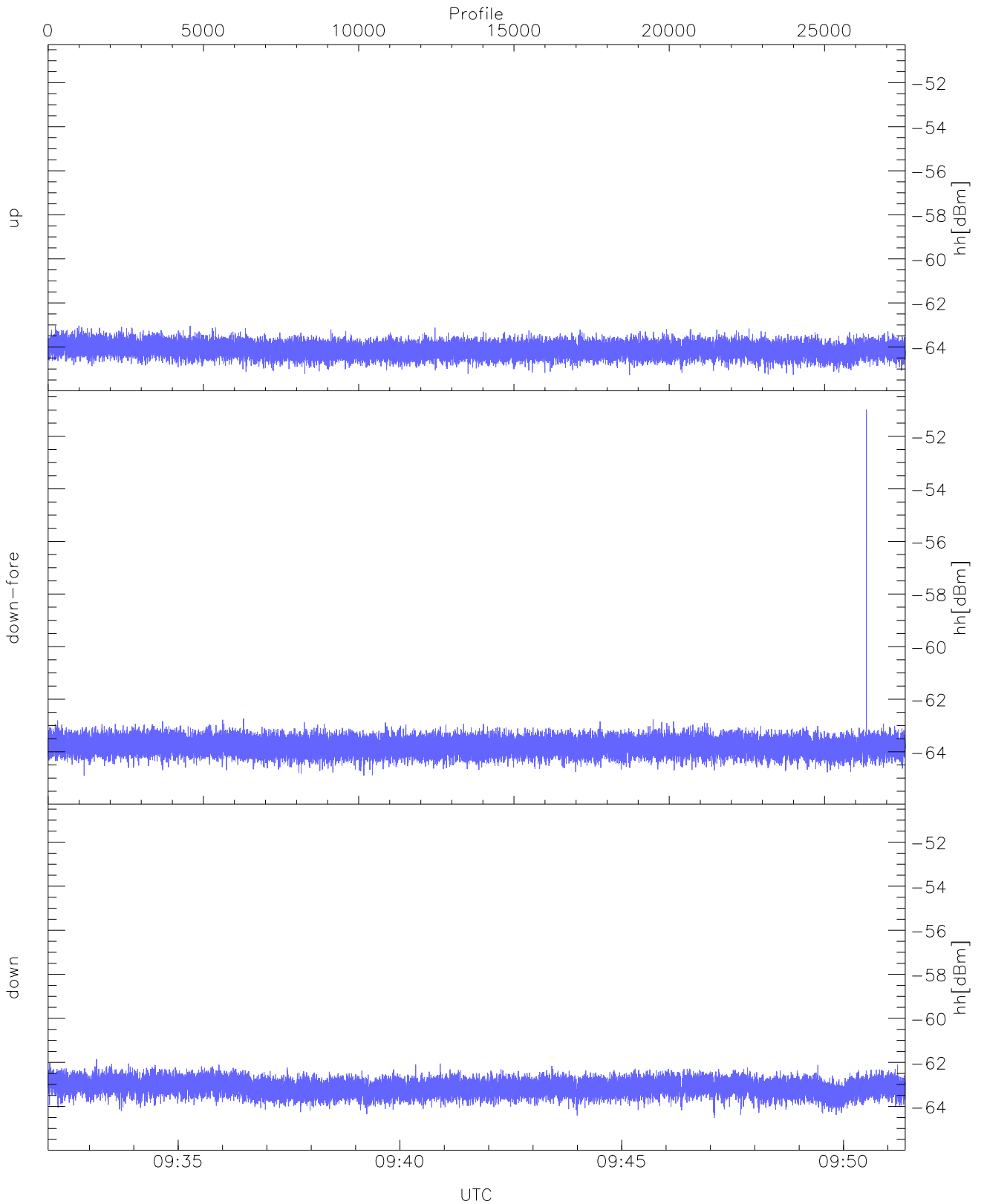
| | Min | Max | Mean | Median | StDev |
|----------------|--------|--------|--------|--------|--------|
| H1RG71_0 [dBm] | -65.56 | -63.44 | -64.40 | -64.40 | -76.50 |
| H2RG71_0 [dBm] | -64.99 | -62.77 | -63.90 | -63.91 | -76.04 |
| V2RM_0 [dBm] | -64.94 | -62.67 | -63.71 | -63.71 | -75.82 |



WCR2 CPP Averaged Received power for all recorded gates
blue: 093204-94143, 13801 profiles averaged
red: 94143-095124, 13800 profiles averaged

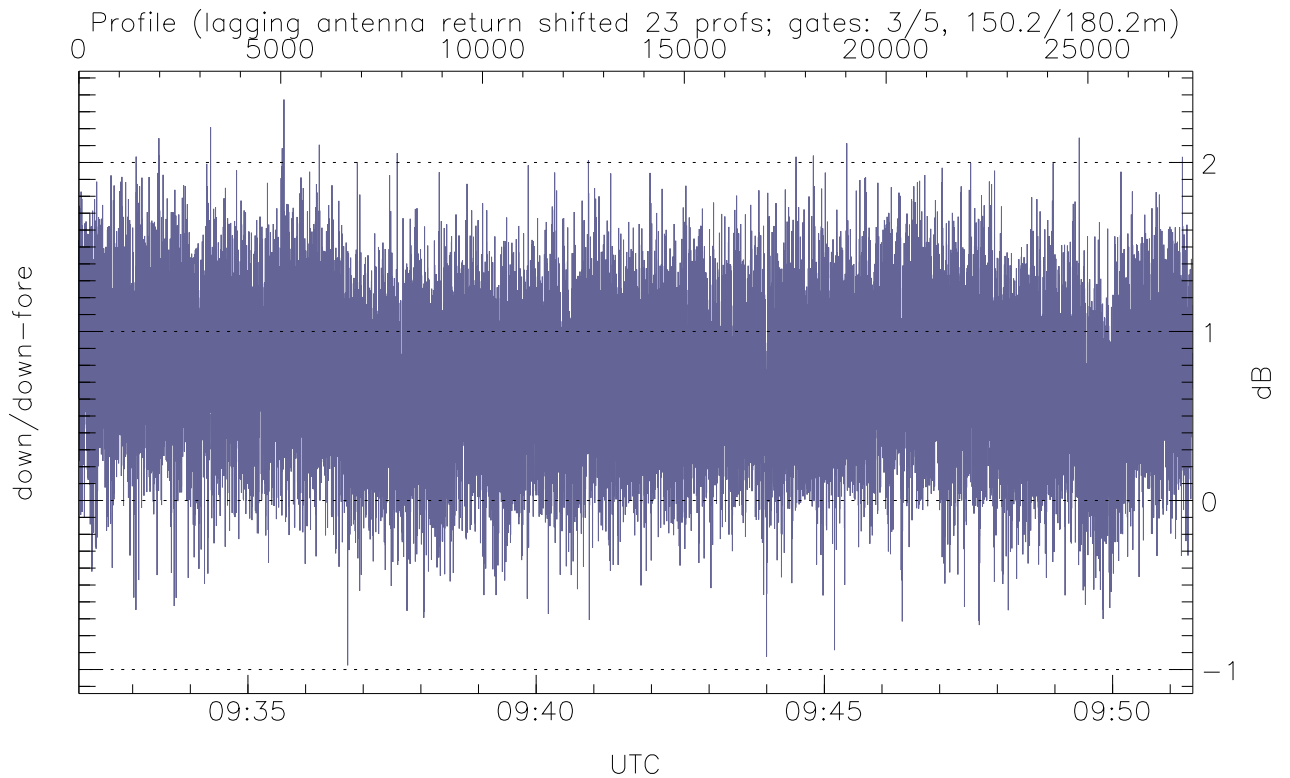
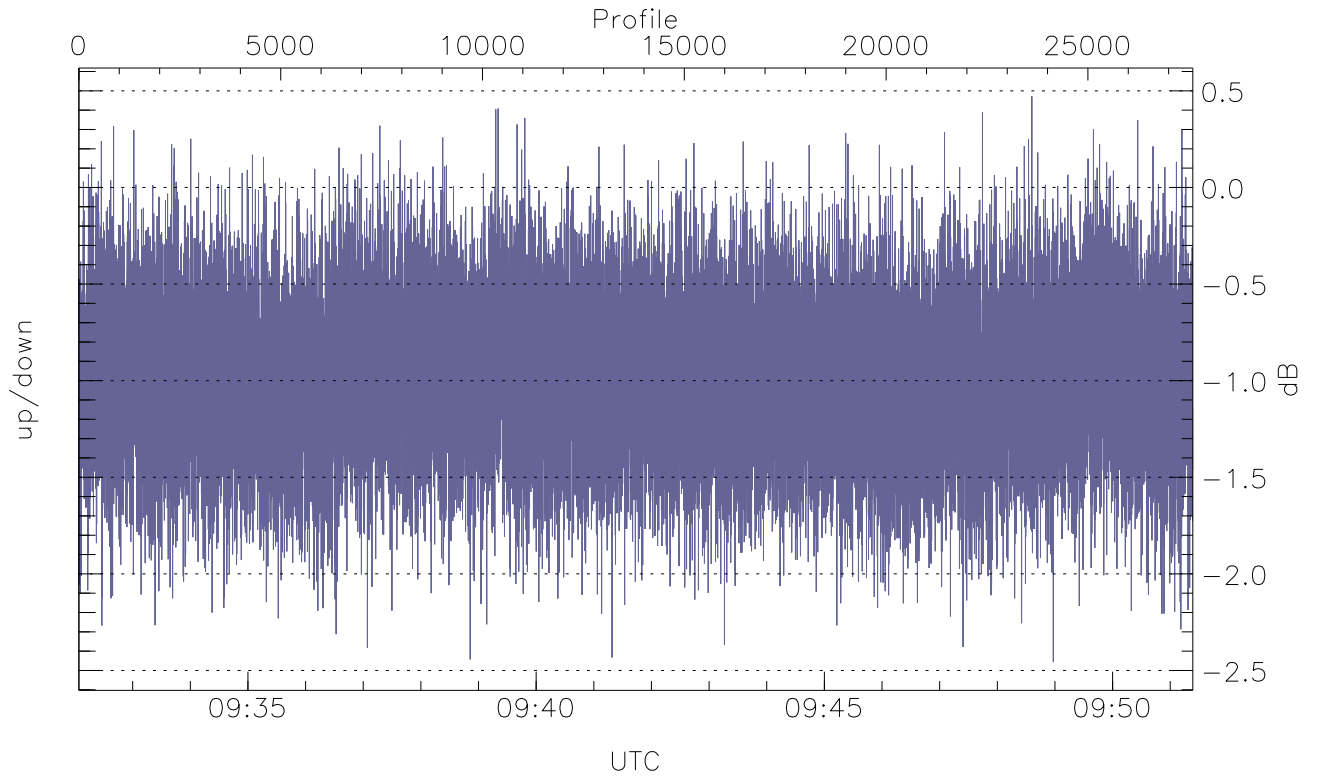


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



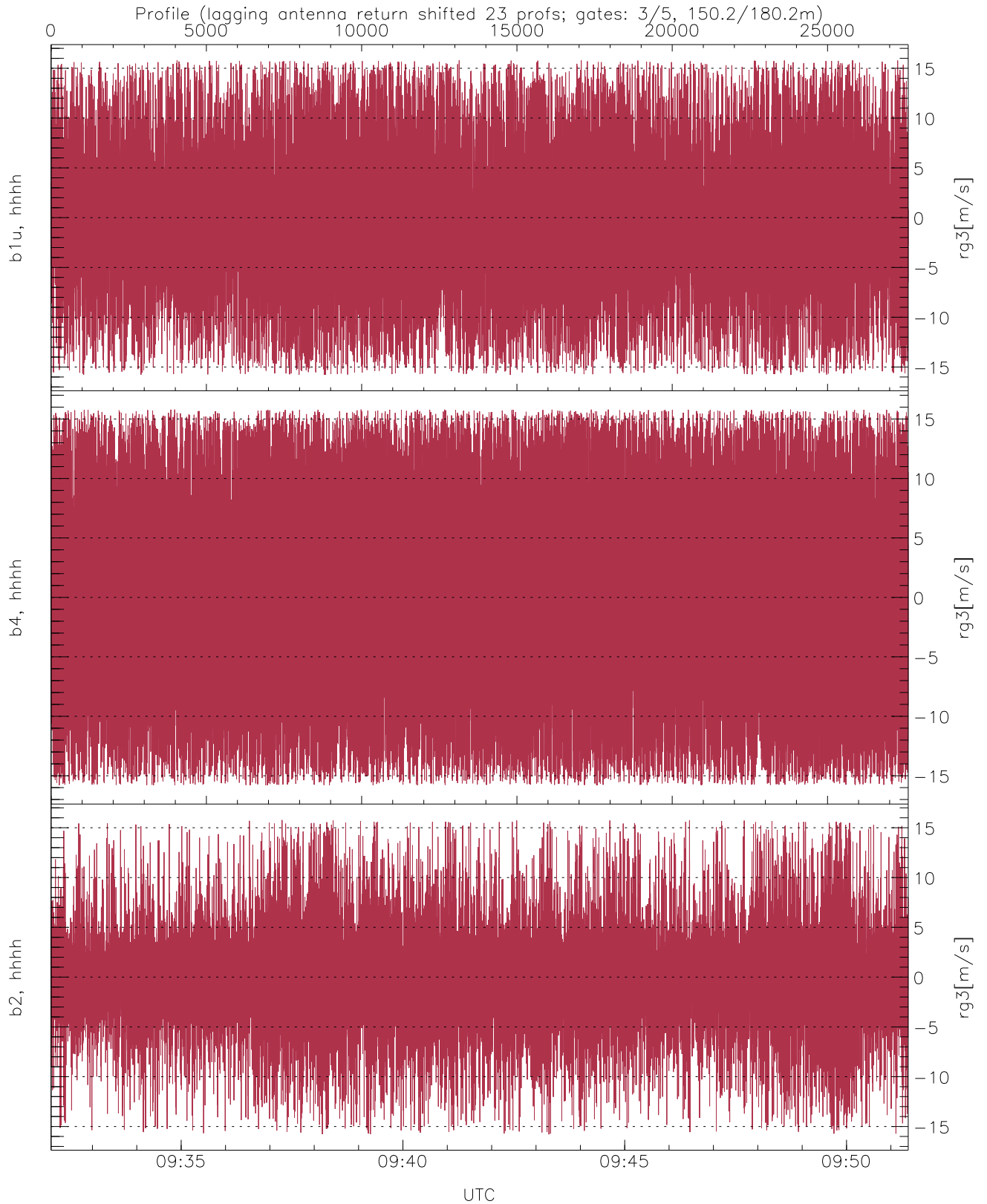
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|---------------------|--------|--------|--------|
| up(hh [dBm]) | -65.27 | -63.03 | -64.11 |
| down-fore(hh [dBm]) | -64.91 | -50.98 | -63.78 |
| down(hh [dBm]) | -64.52 | -61.85 | -63.13 |



WCR2 Beam pairs Received Power Ratio(s)

| | Min | Max | Mean |
|---------------------|-------|------|-------|
| up/down (dB) | -2.46 | 0.47 | -0.98 |
| down/down-fore (dB) | -0.98 | 2.37 | 0.73 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.79 | 15.80 | -0.36 | 6.29 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | 0.02 | 8.23 |
| b2, hhhh(rg3[m/s]) | -15.79 | 15.77 | -0.48 | 4.44 |