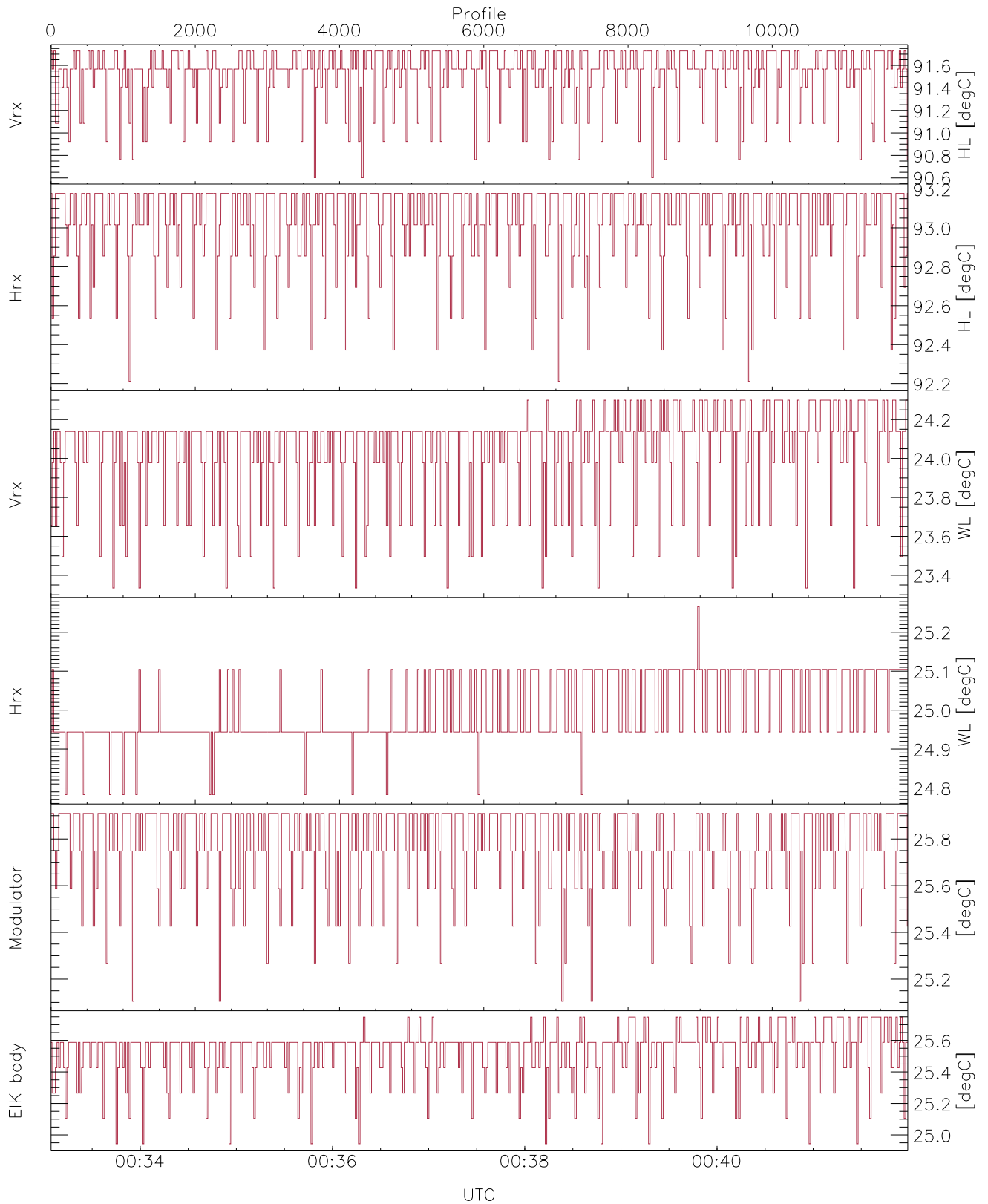


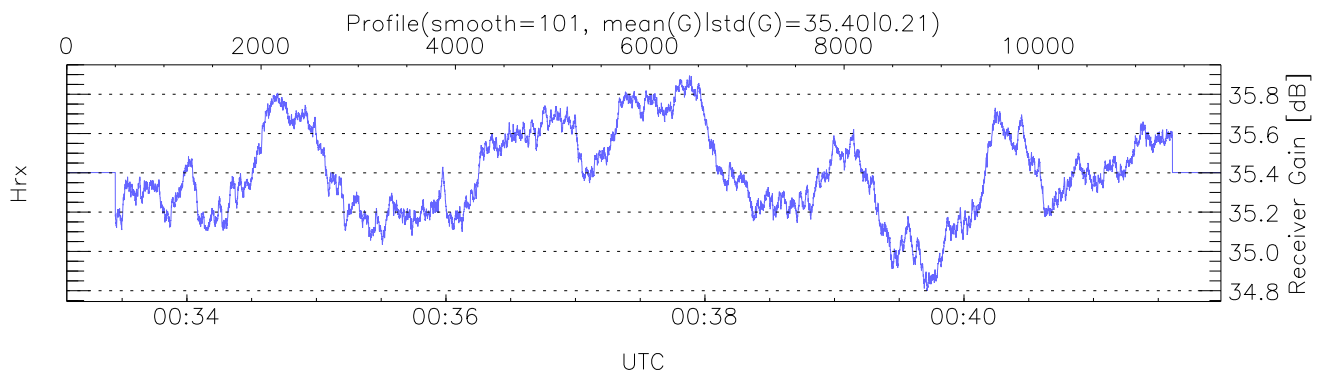
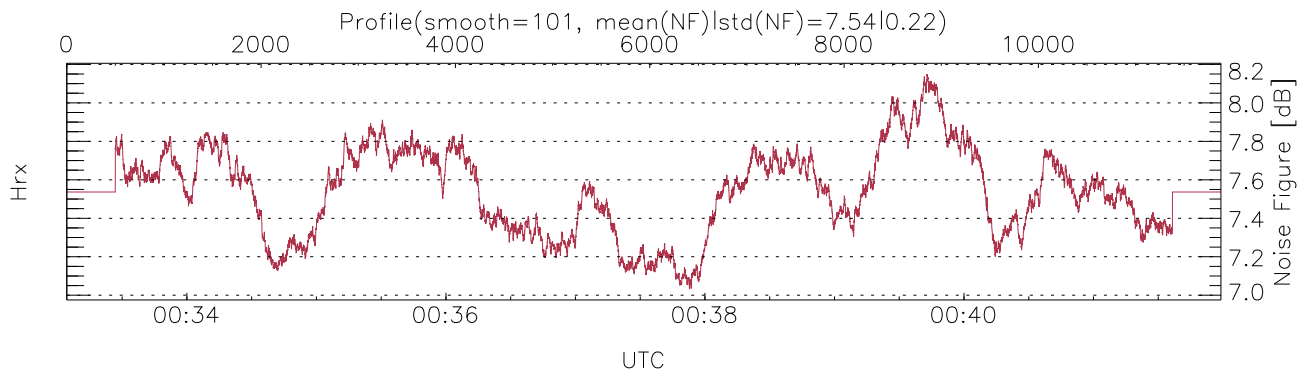
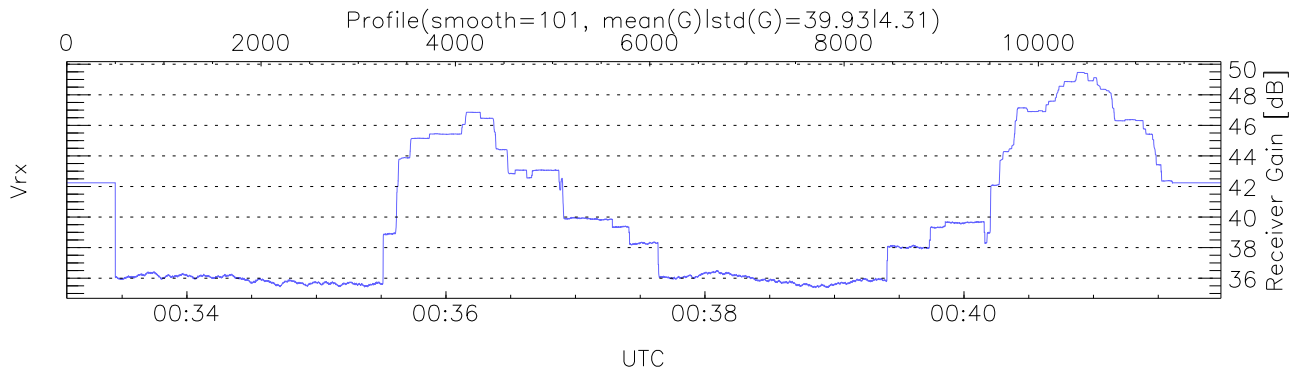
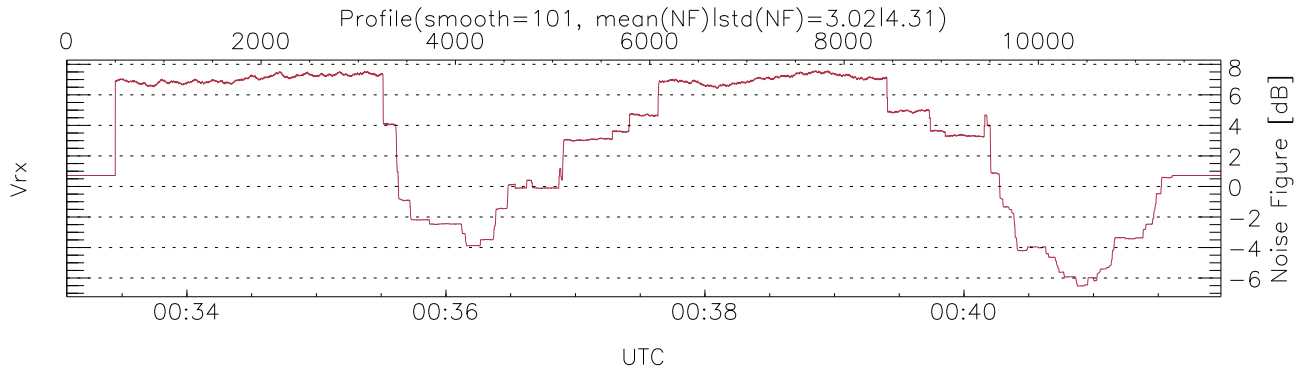
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 00:33:04-00:41:59, TimeCor: 0.00s, Dur: 534.69s
 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): 11880/11880, 0-11879/00:33:04-00:41:59
 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



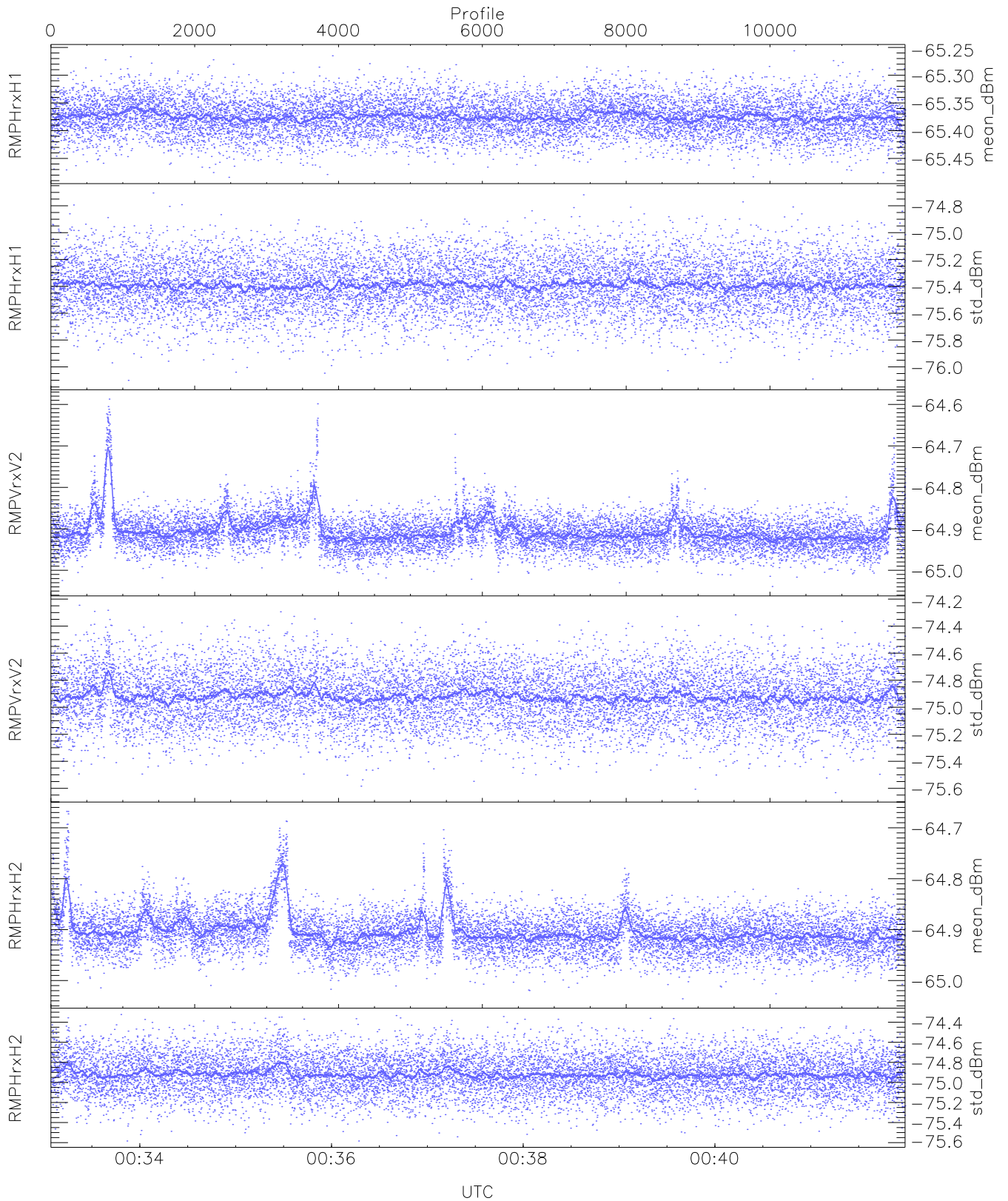
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,23,24,25,24`
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,24,25,25,25`
`LOalarm(20,240,2817,14861 MHz): 0,0,48,0`
`EIK Faults(# prof affected):`
`DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (22,22,22,22,22,22)`



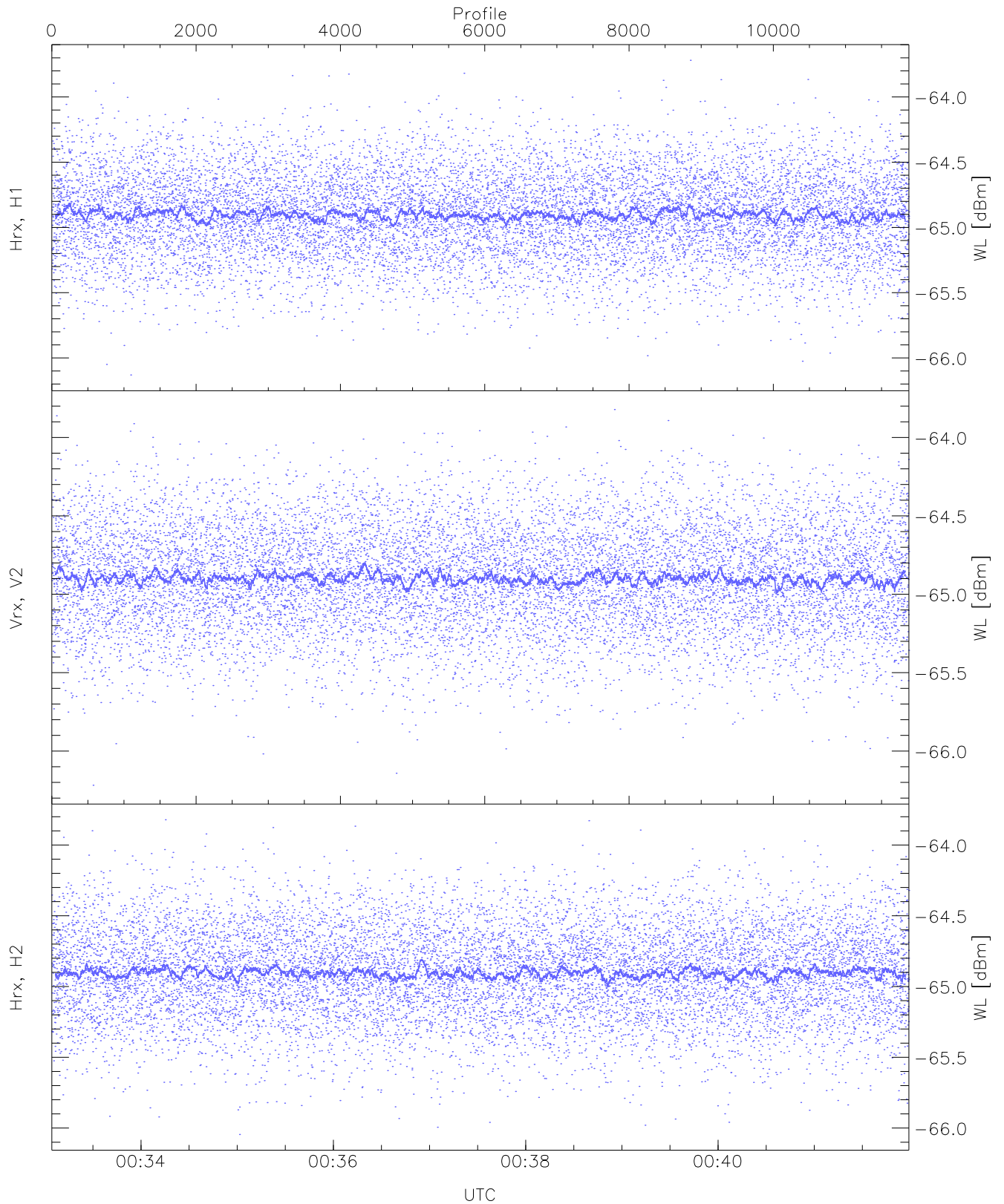
WCR3 CPP Receivers Gain and Noise Figure

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



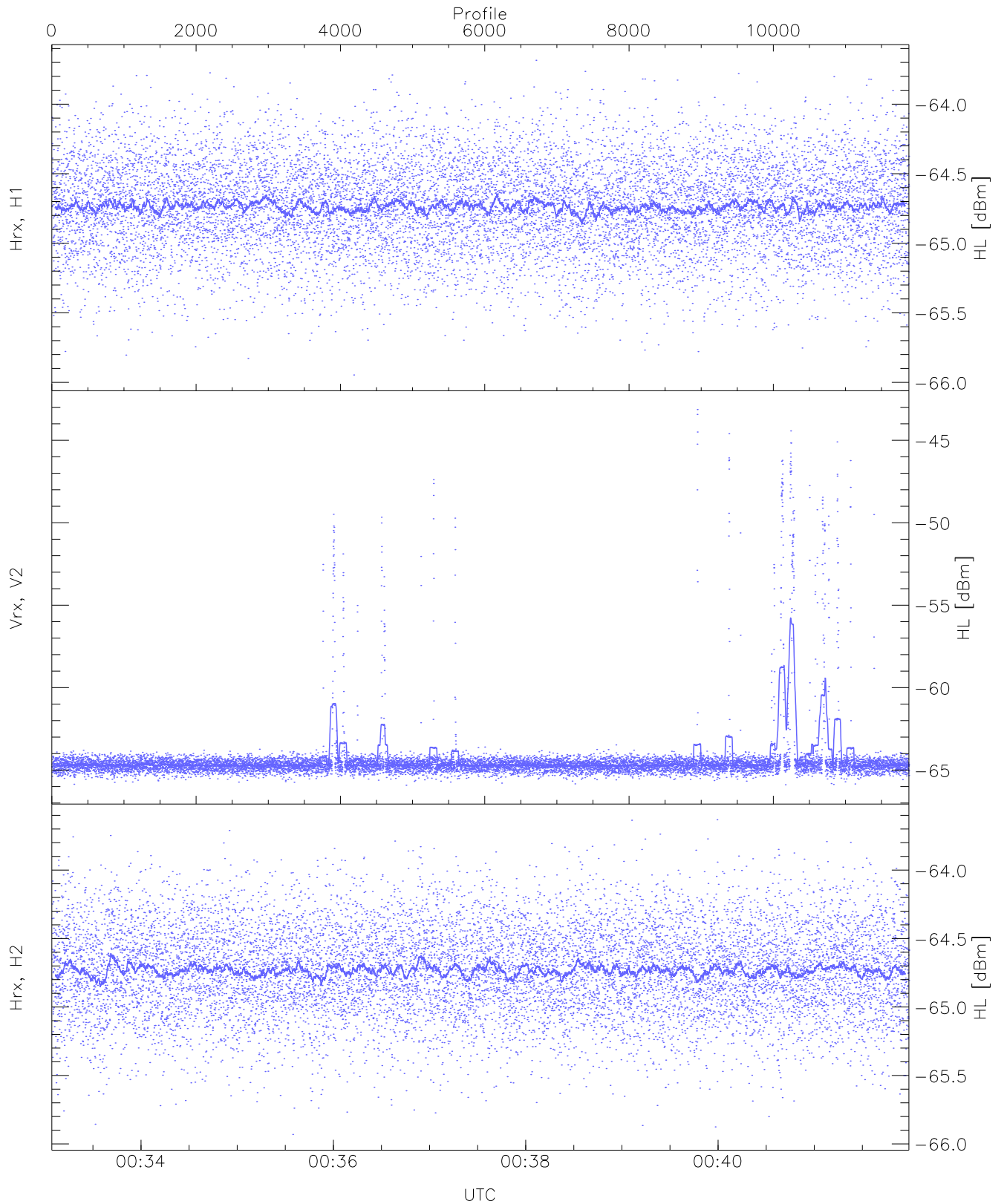
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|---------------------|--------|--------|--------|--------|--------|
| RMPHrxH1 (mean_dBm) | -65.48 | -65.26 | -65.38 | -65.38 | -86.98 |
| RMPHrxH1 (std_dBm) | -76.10 | -74.70 | -75.39 | -75.39 | -89.22 |
| RMPVrxV2 (mean_dBm) | -65.04 | -64.59 | -64.91 | -64.91 | -84.85 |
| RMPVrxV2 (std_dBm) | -75.63 | -74.25 | -74.92 | -74.92 | -88.64 |
| RMPHrxH2 (mean_dBm) | -65.04 | -64.67 | -64.90 | -64.91 | -85.29 |
| RMPHrxH2 (std_dBm) | -75.58 | -74.32 | -74.92 | -74.92 | -88.68 |



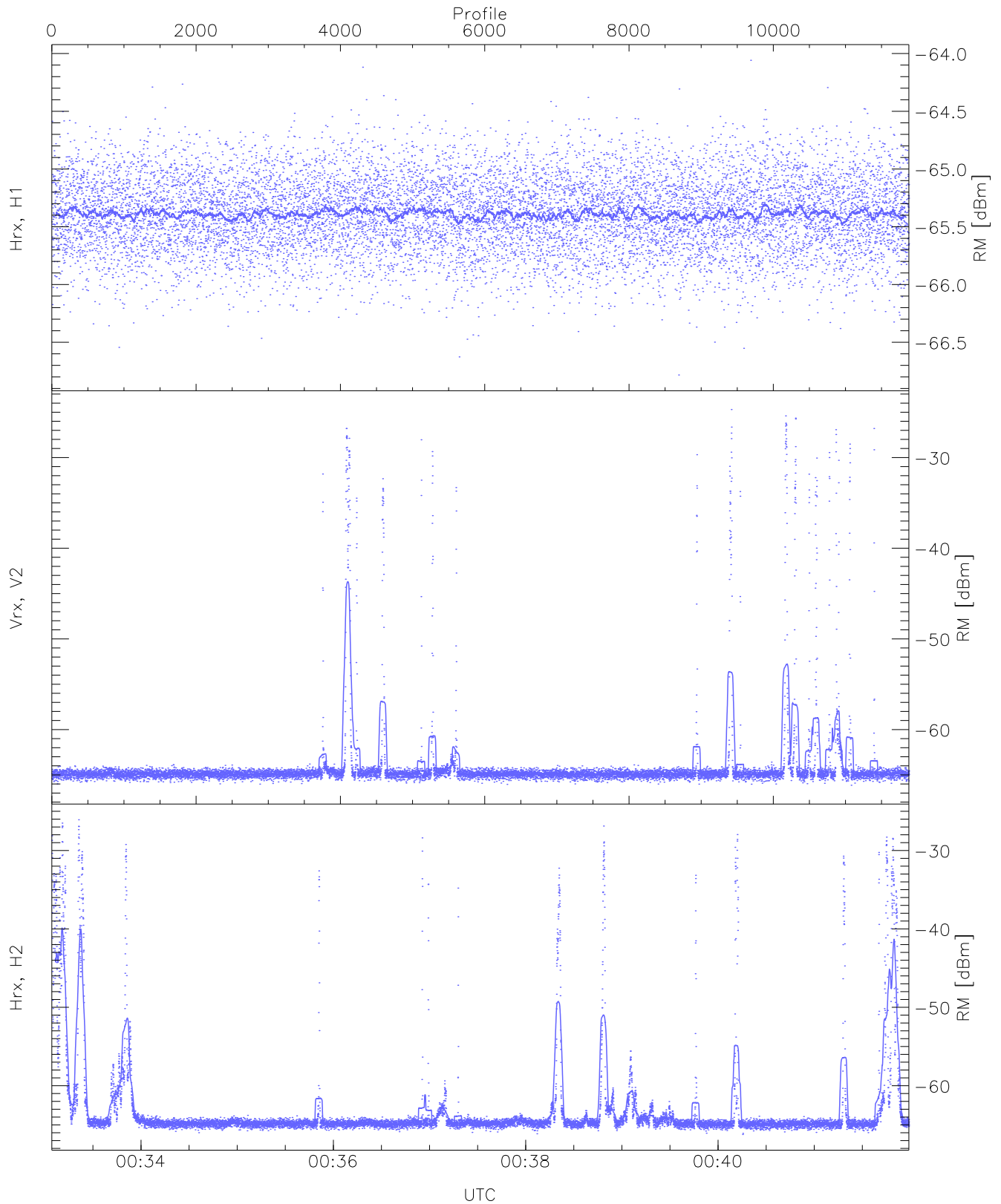
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.13 | -63.72 | -64.90 | -64.90 | -76.41 |
| Vrx, V2 (WL [dBm]) | -66.22 | -63.82 | -64.89 | -64.90 | -76.36 |
| Hrx, H2 (WL [dBm]) | -66.05 | -63.82 | -64.90 | -64.90 | -76.46 |



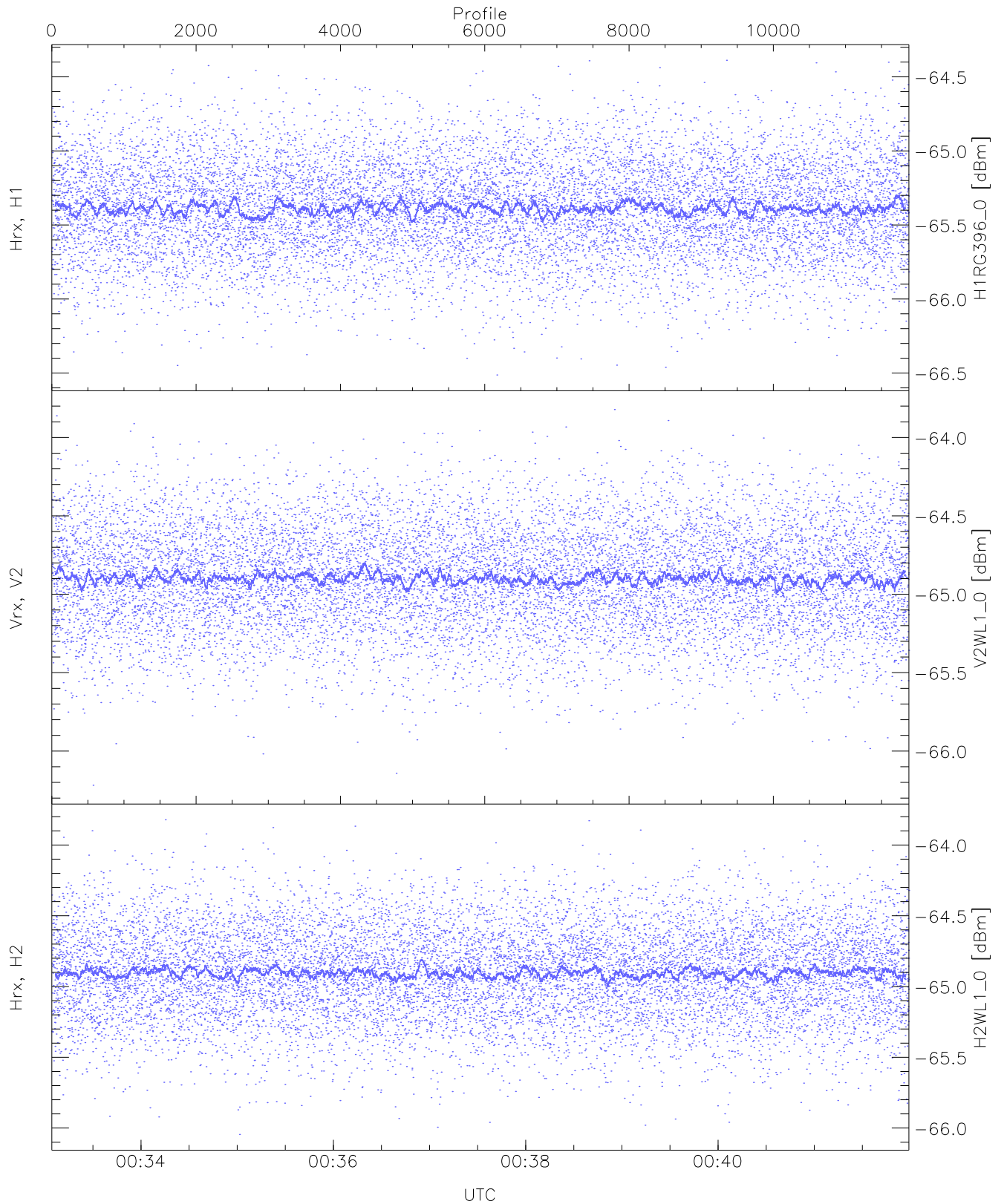
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.95 | -63.68 | -64.73 | -64.73 | -76.23 |
| Vrx, V2 (HL [dBm]) | -65.92 | -43.13 | -62.59 | -64.69 | -57.50 |
| Hrx, H2 (HL [dBm]) | -65.93 | -63.63 | -64.72 | -64.73 | -76.18 |



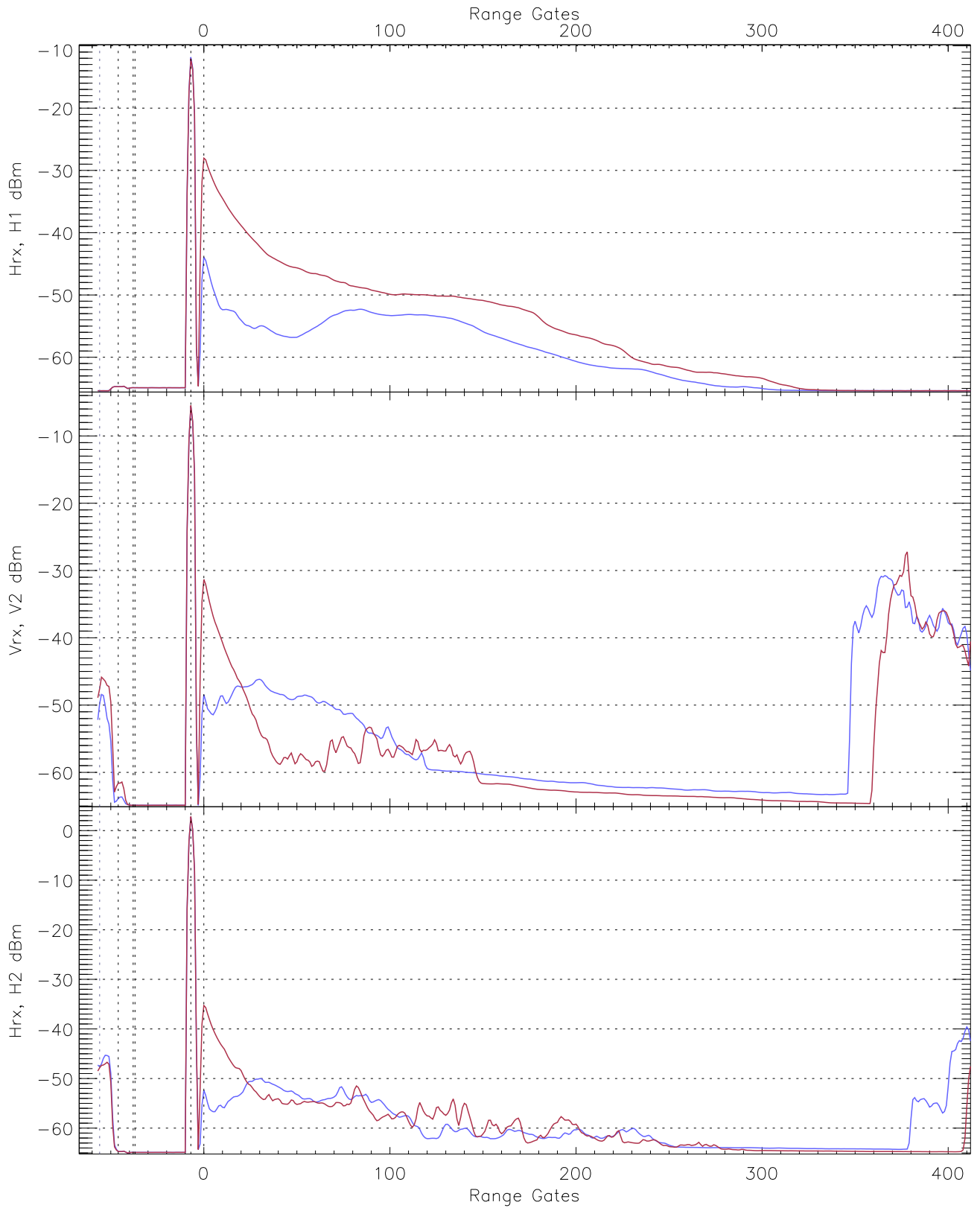
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.78 | -64.06 | -65.38 | -65.39 | -76.84 |
| Vrx, V2 (RM [dBm]) | -66.14 | -24.70 | -48.54 | -64.87 | -38.86 |
| Hrx, H2 (RM [dBm]) | -66.22 | -26.08 | -47.73 | -64.71 | -39.41 |

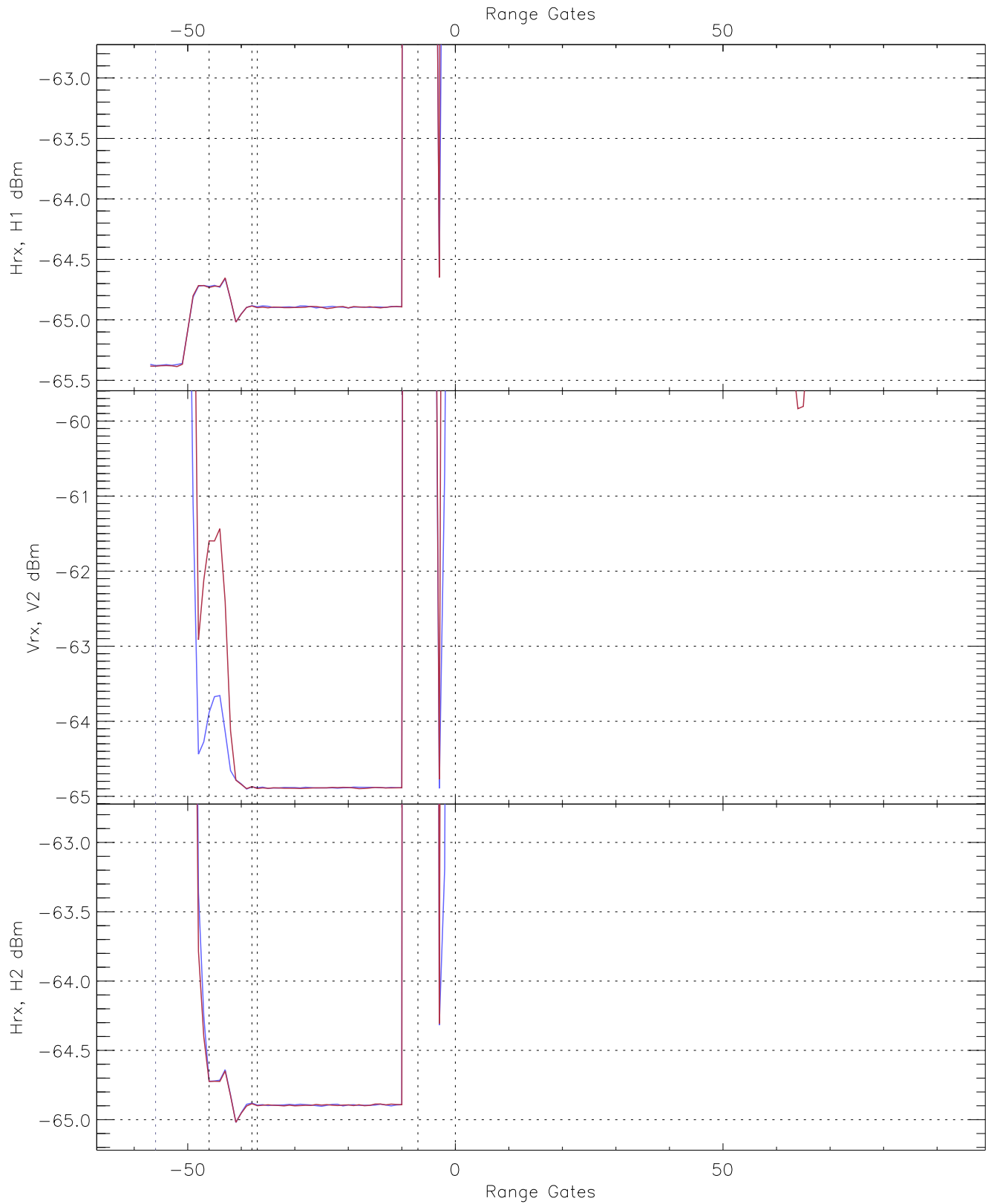


WCR3 CPP "Best" estimate Receivers Noise Power

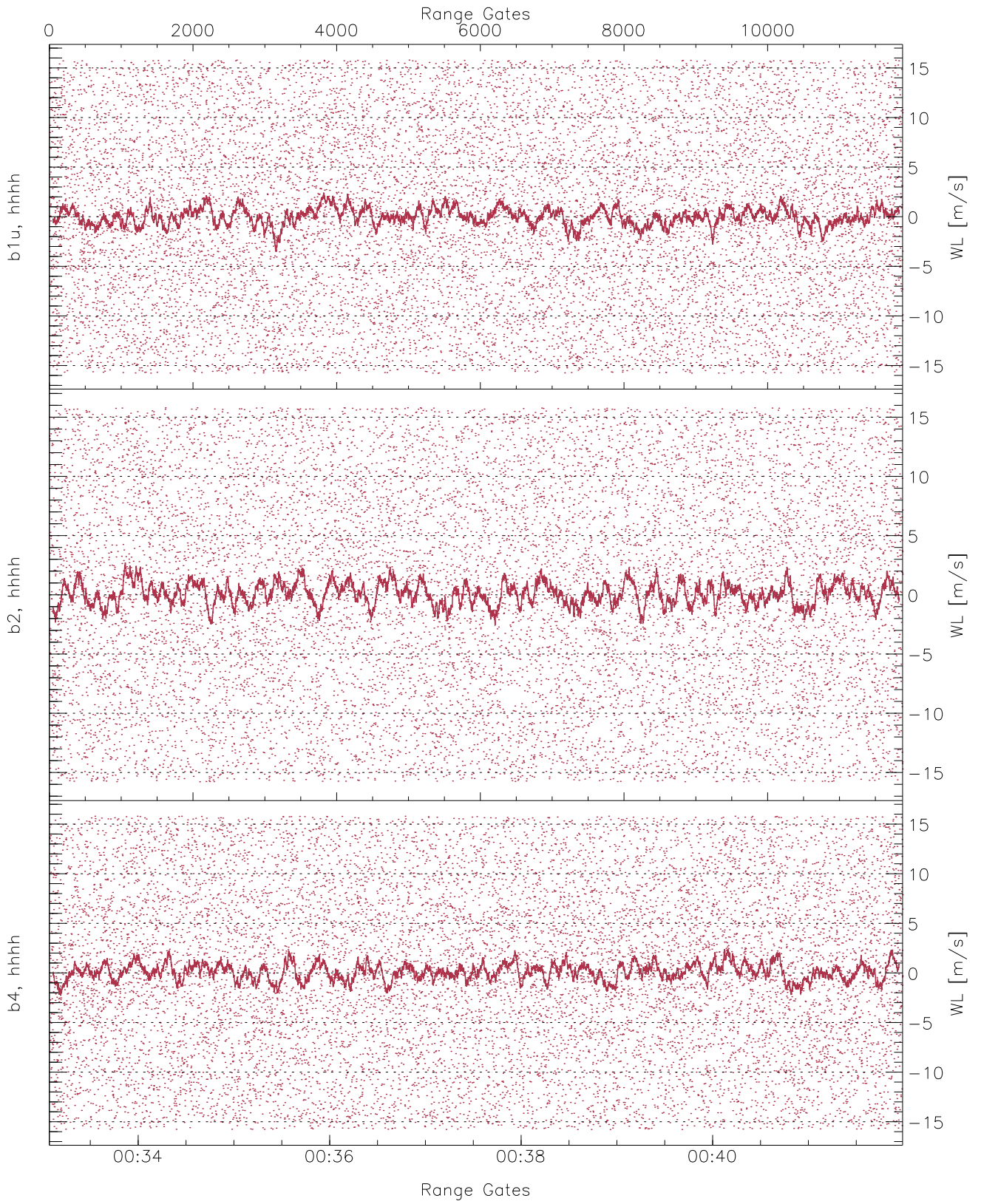
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG396_0 [dBm] | -66.51 | -64.39 | -65.38 | -65.38 | -76.93 |
| V2WL1_0 [dBm] | -66.22 | -63.82 | -64.89 | -64.90 | -76.36 |
| H2WL1_0 [dBm] | -66.05 | -63.82 | -64.90 | -64.90 | -76.46 |



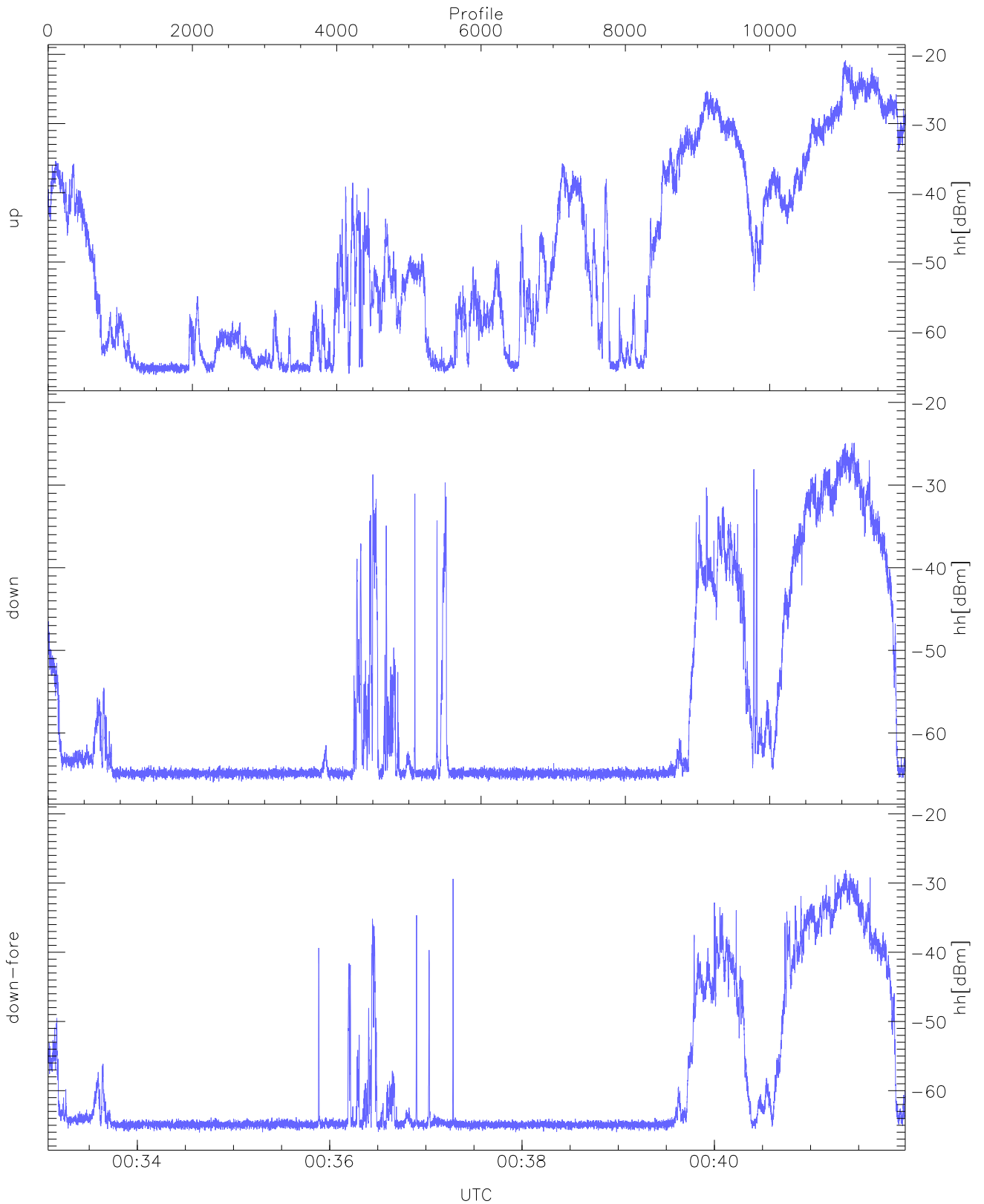
WCR3 CPP Averaged Received power for all recorded gates
blue: 003304-003732, 5941 profiles averaged
red: 003732-004159, 5940 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 003304-003732, 5941 profiles averaged
red: 003732-004159, 5940 profiles averaged

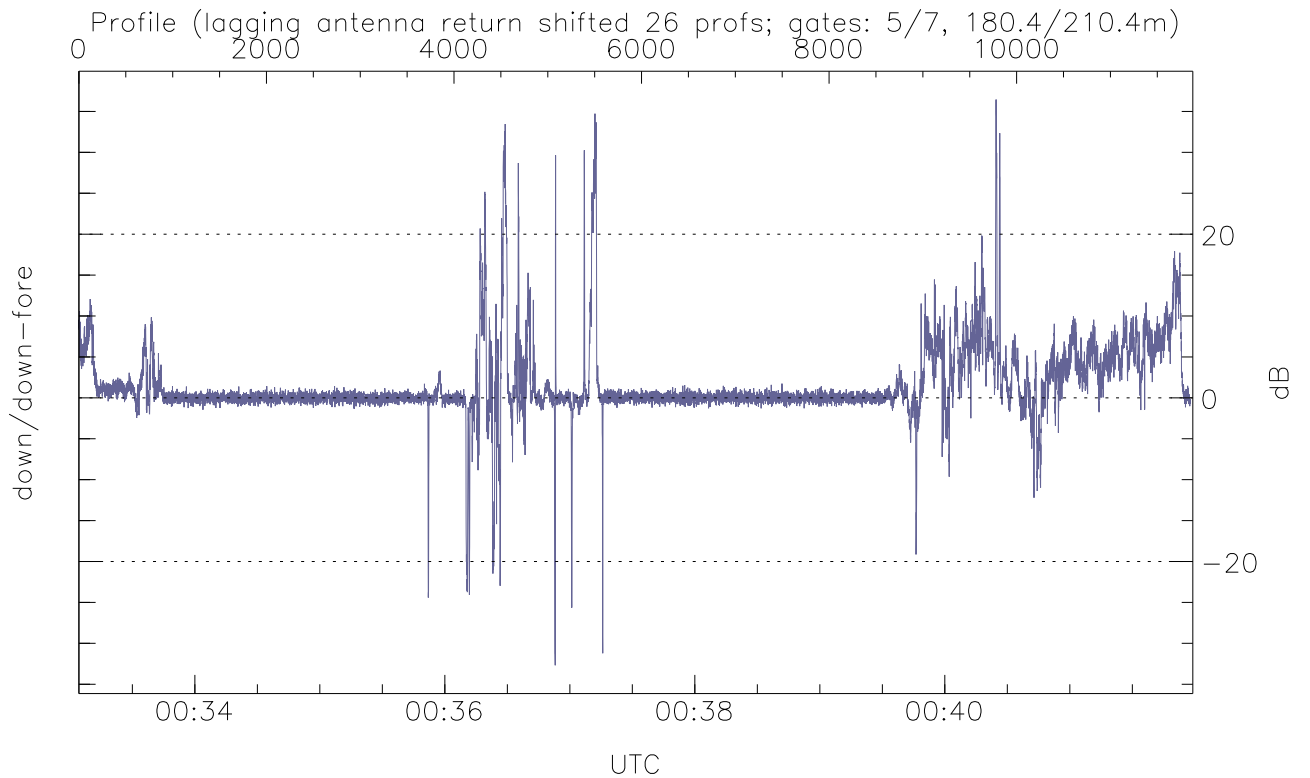
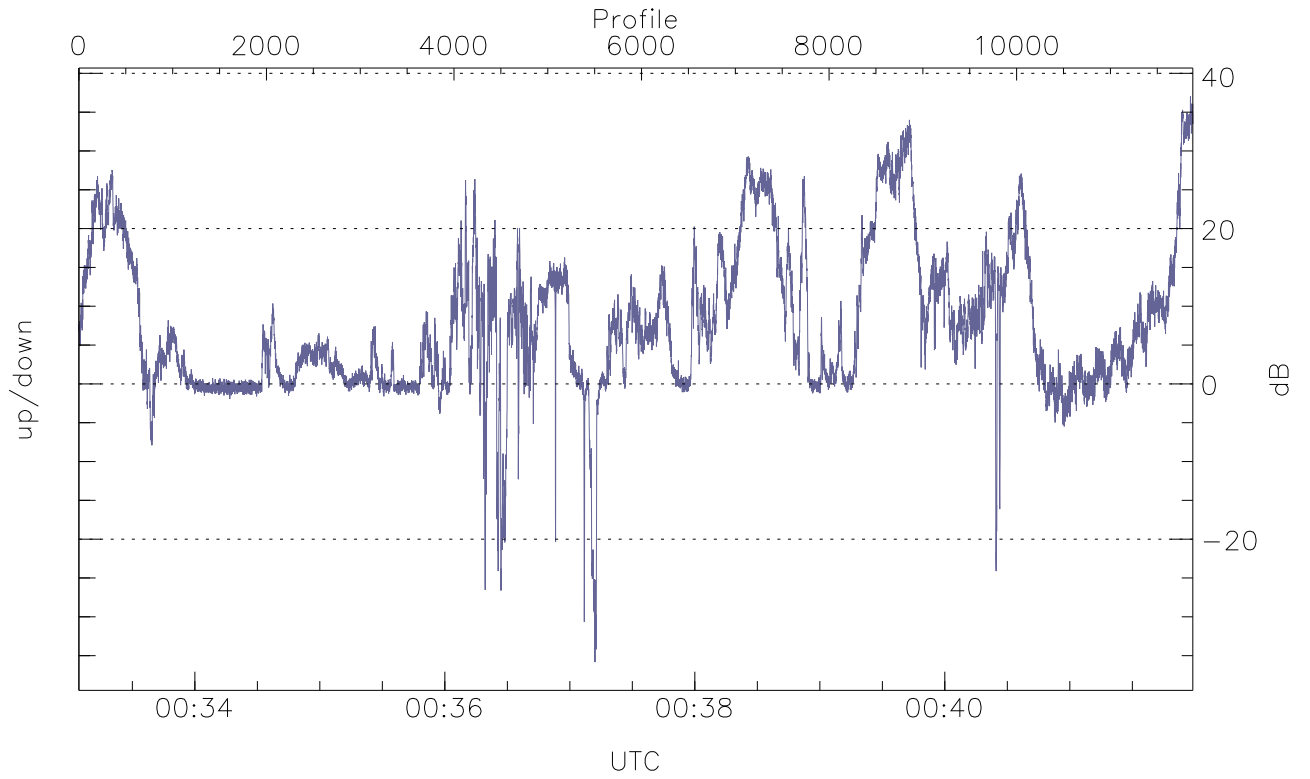


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



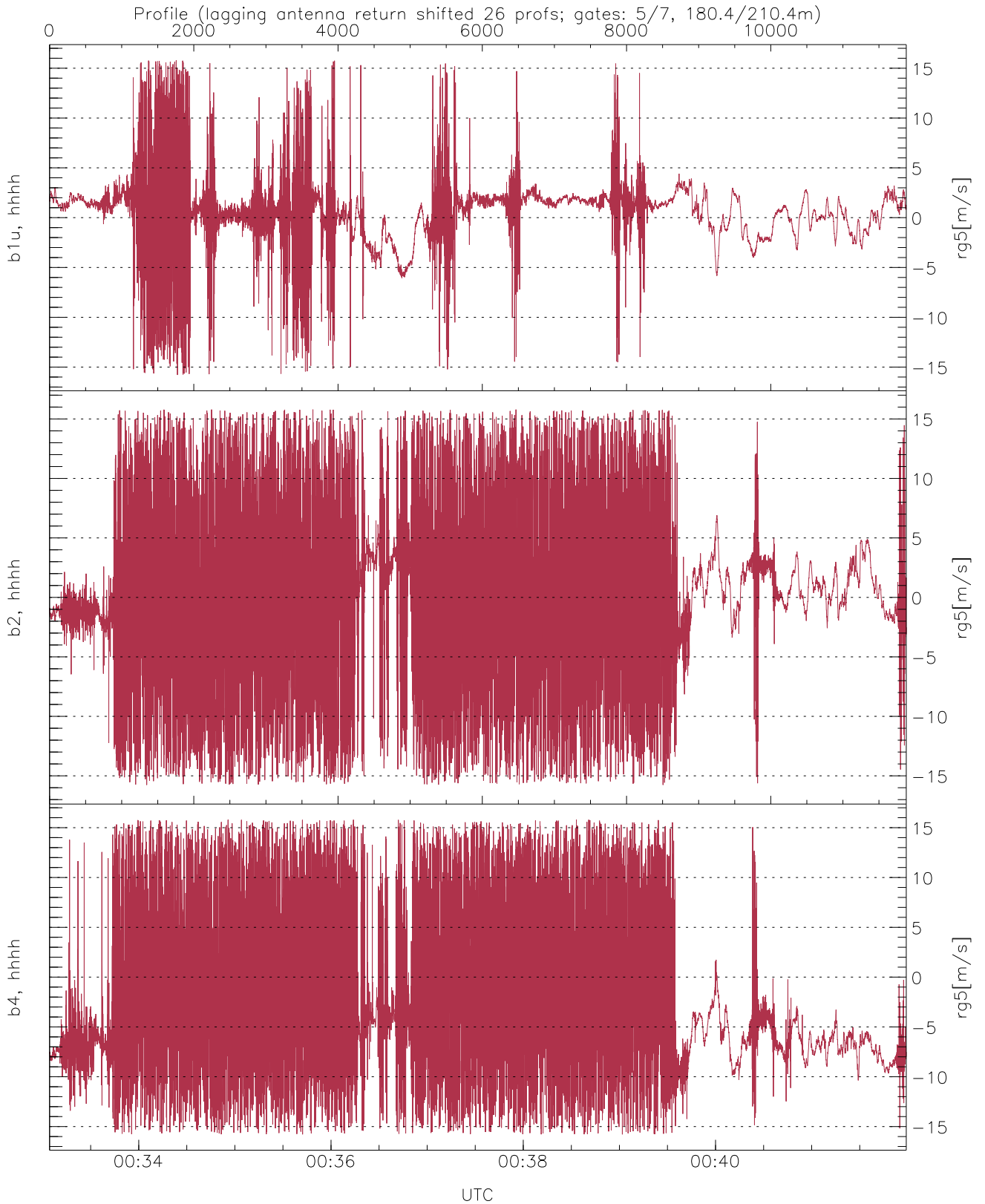
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -66.33 | -20.86 | -34.55 |
| down(hh[dBm]) | -65.99 | -24.91 | -39.65 |
| down-fore(hh[dBm]) | -66.02 | -28.12 | -43.02 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -35.83 | 37.04 | 7.75 |
| down/down-fore (dB) | -32.68 | 36.46 | 1.65 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.78 | 15.79 | 0.45 | 3.42 |
| b2, hhhh(rg5[m/s]) | -15.76 | 15.79 | 0.31 | 6.87 |
| b4, hhhh(rg5[m/s]) | -15.78 | 15.79 | -2.49 | 7.61 |