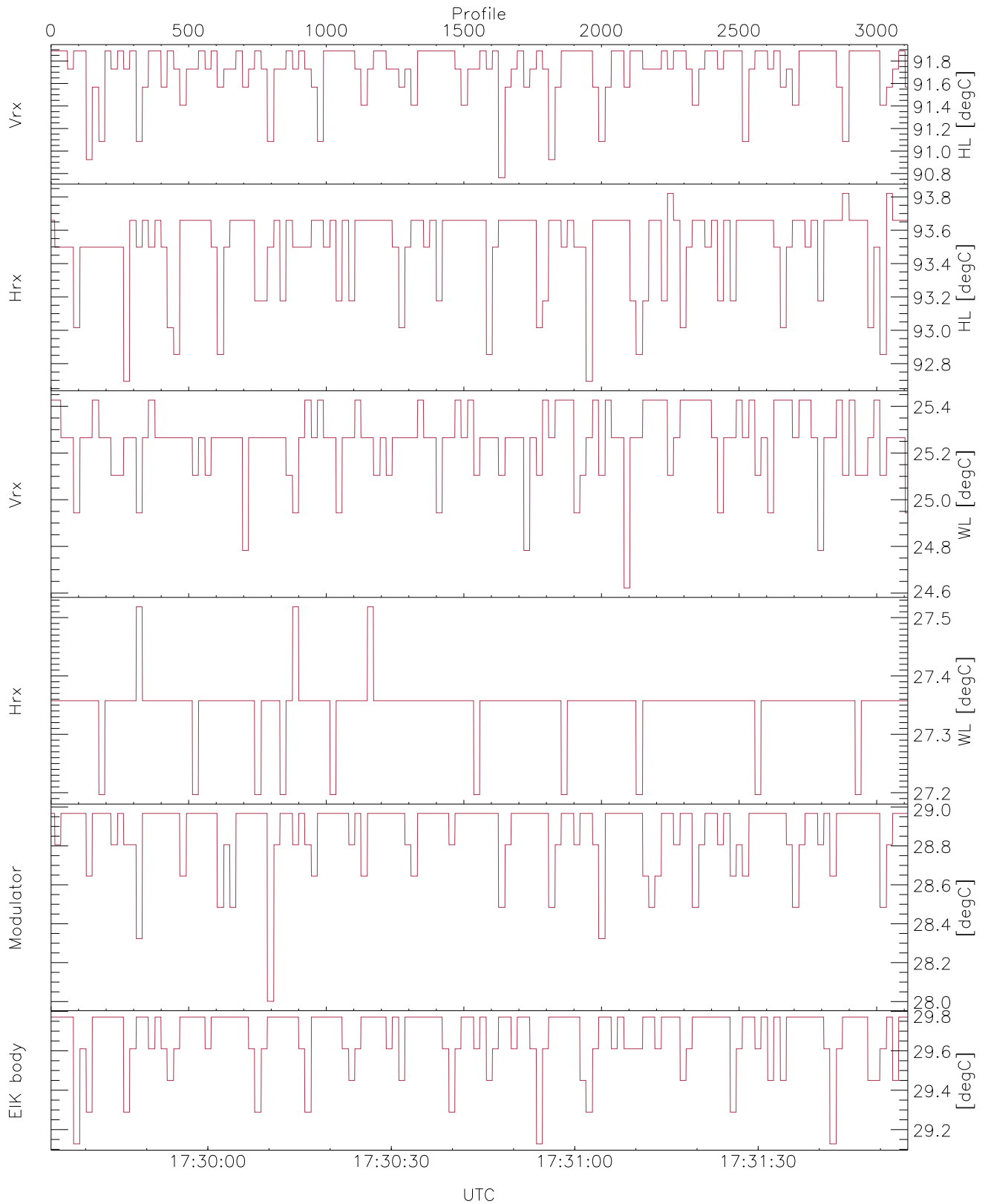


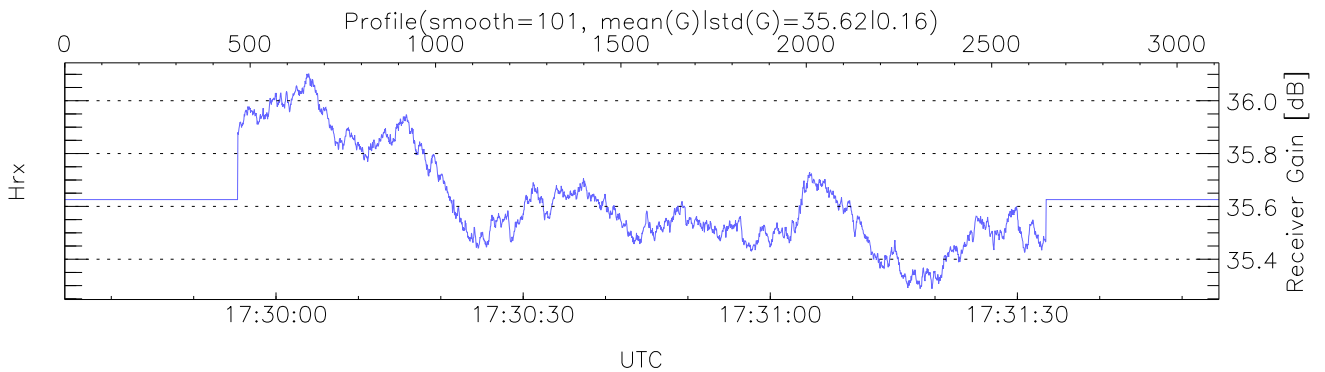
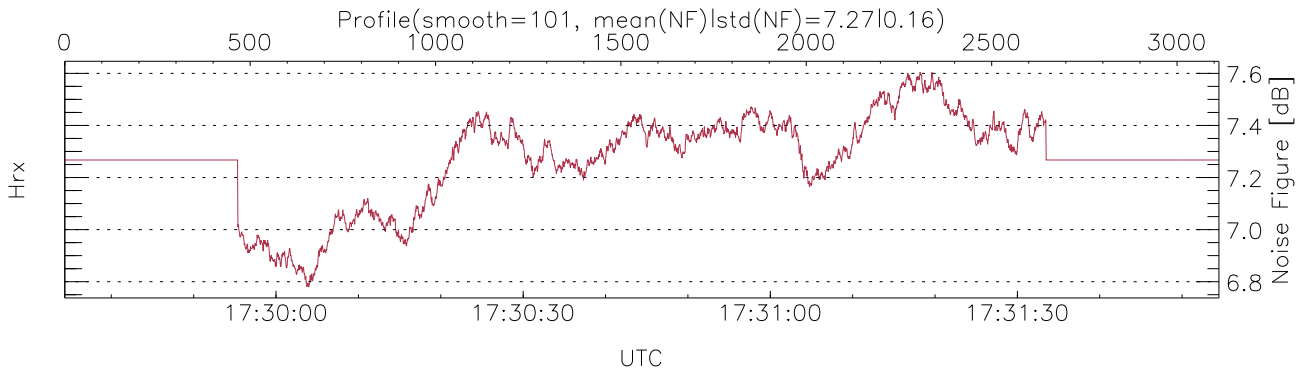
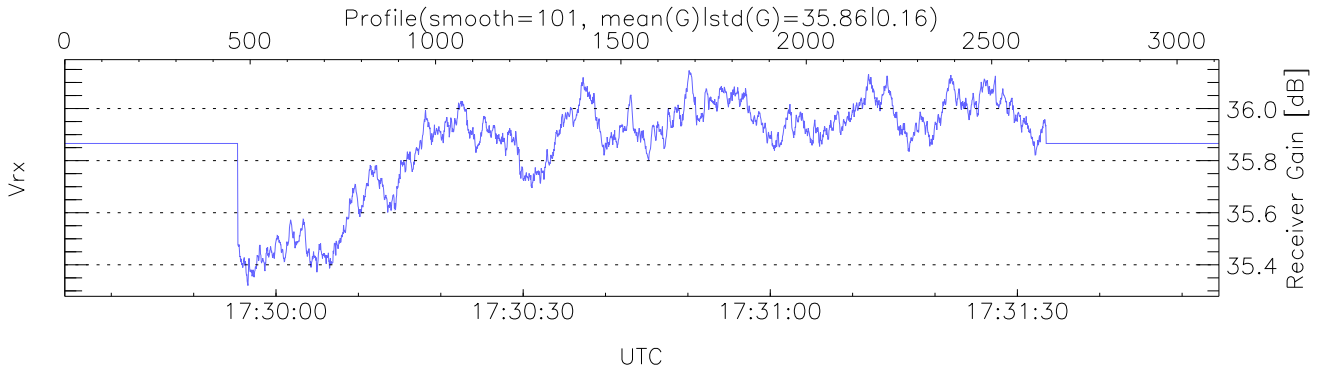
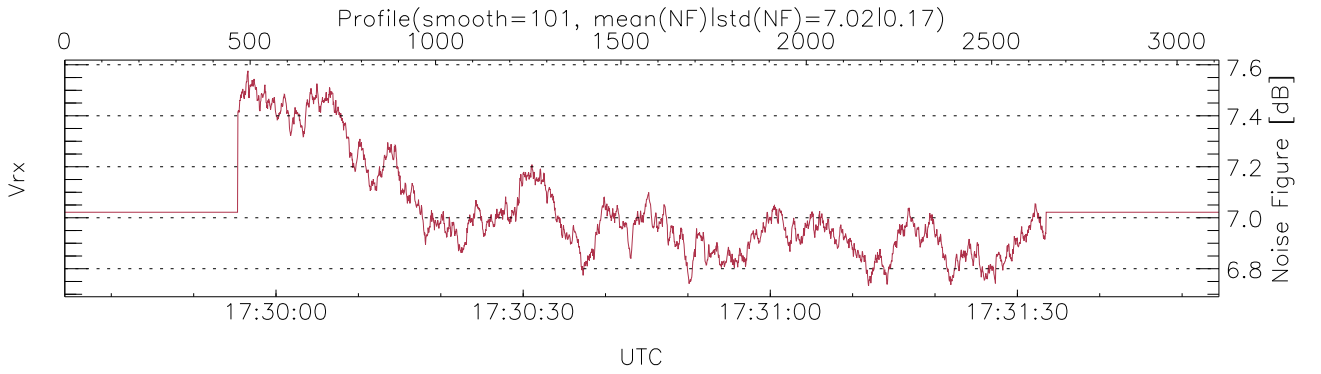
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:29:34-17:31:54, TimeCor: 0.00s, Dur: 140.12s
 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): 3114/3114, 0-3113/17:29:34-17:31:54
 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 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



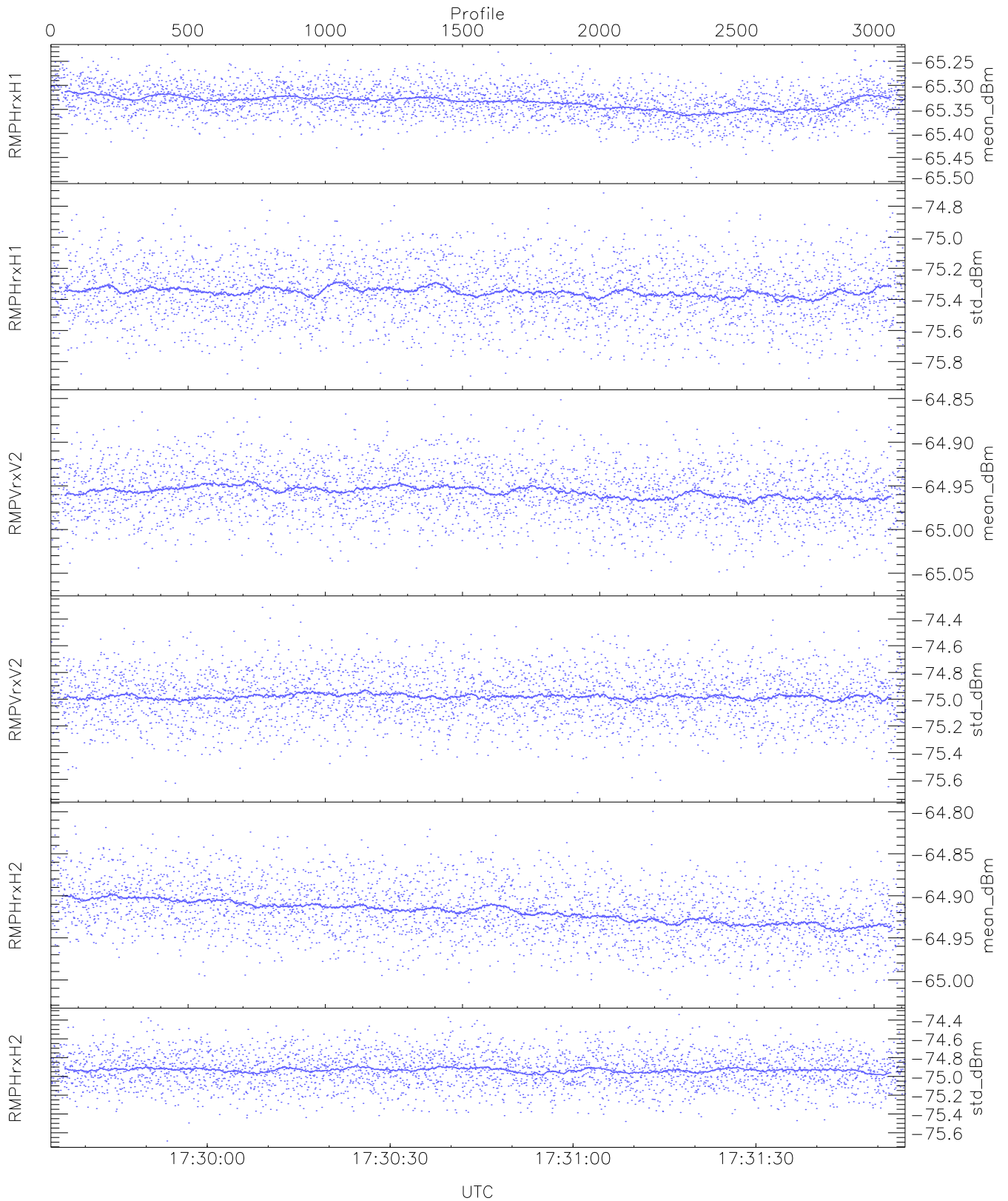
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,24,27,28,29
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,25,27,28,29
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



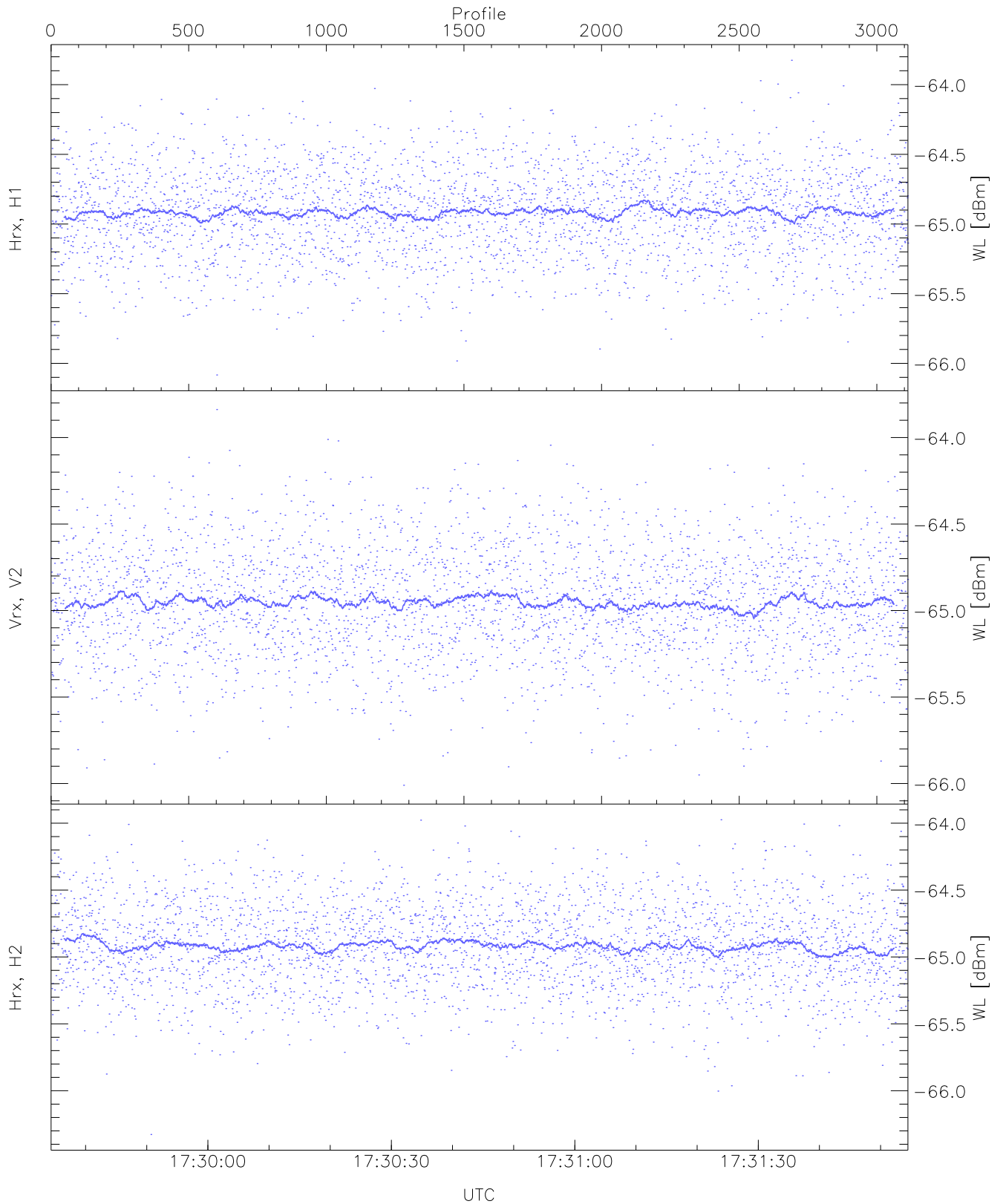
WCR3 CPP Receivers Gain and Noise Figure

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



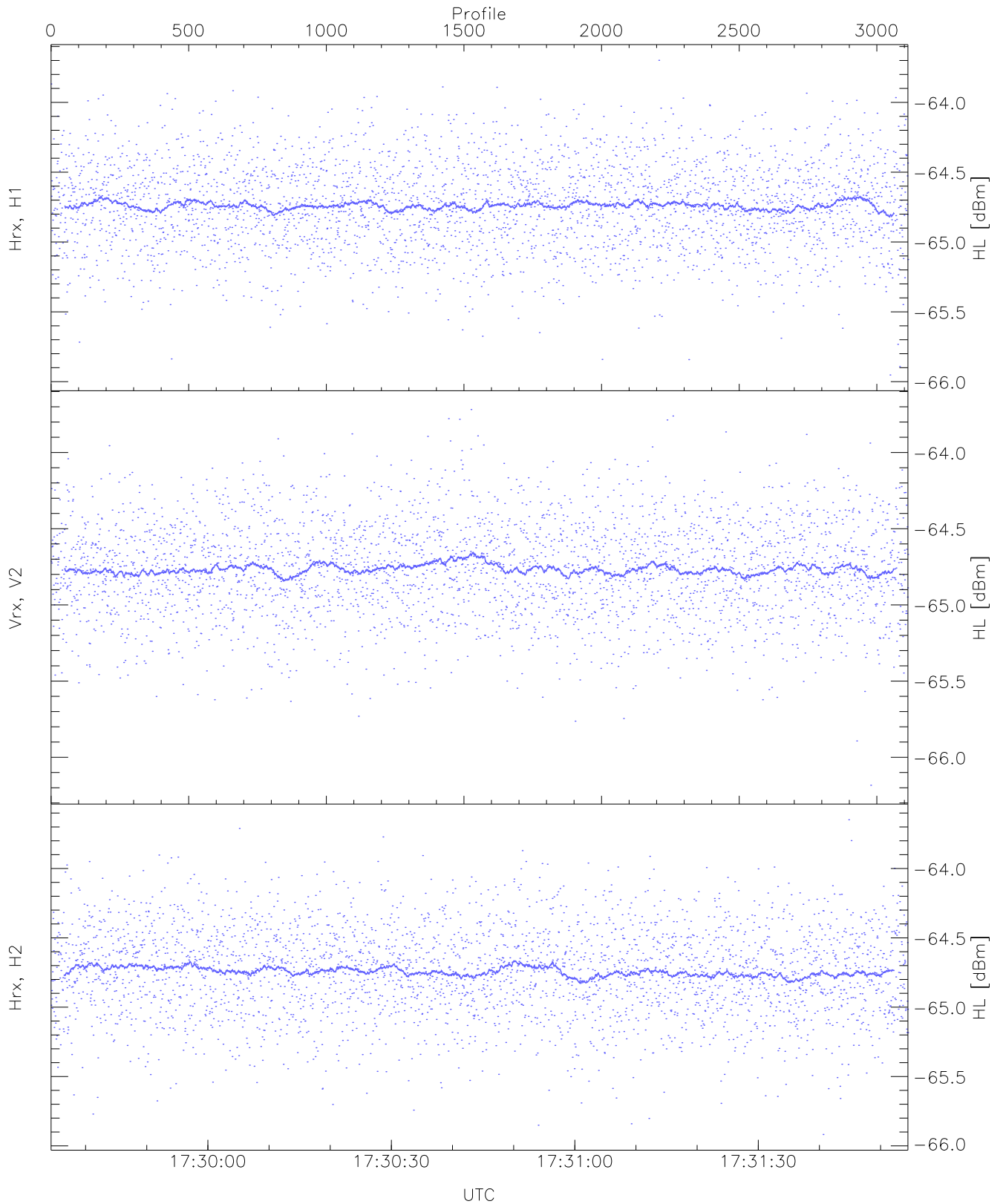
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.49 | -65.23 | -65.33 | -65.33 | -86.57 |
| RMPHrxH1(std_dBm) | -75.92 | -74.71 | -75.35 | -75.35 | -89.10 |
| RMPVrxV2(mean_dBm) | -65.07 | -64.85 | -64.96 | -64.96 | -86.55 |
| RMPVrxV2(std_dBm) | -75.70 | -74.30 | -74.98 | -74.98 | -88.74 |
| RMPHrxH2(mean_dBm) | -65.02 | -64.80 | -64.92 | -64.92 | -86.22 |
| RMPHrxH2(std_dBm) | -75.69 | -74.34 | -74.93 | -74.93 | -88.68 |



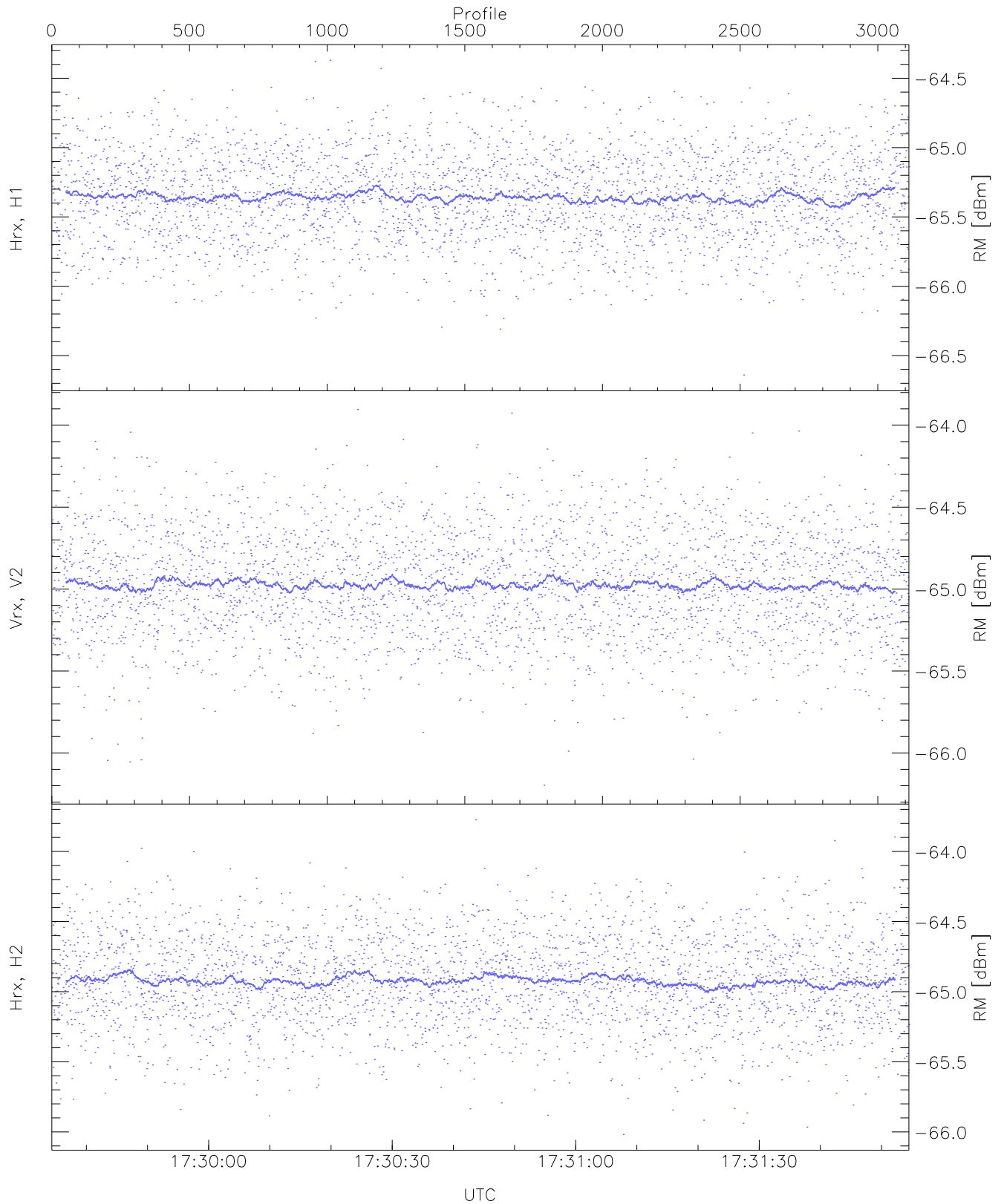
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.08 | -63.83 | -64.91 | -64.91 | -76.45 |
| Vrx, V2 (WL [dBm]) | -66.01 | -63.84 | -64.94 | -64.95 | -76.45 |
| Hrx, H2 (WL [dBm]) | -66.33 | -63.97 | -64.91 | -64.92 | -76.43 |



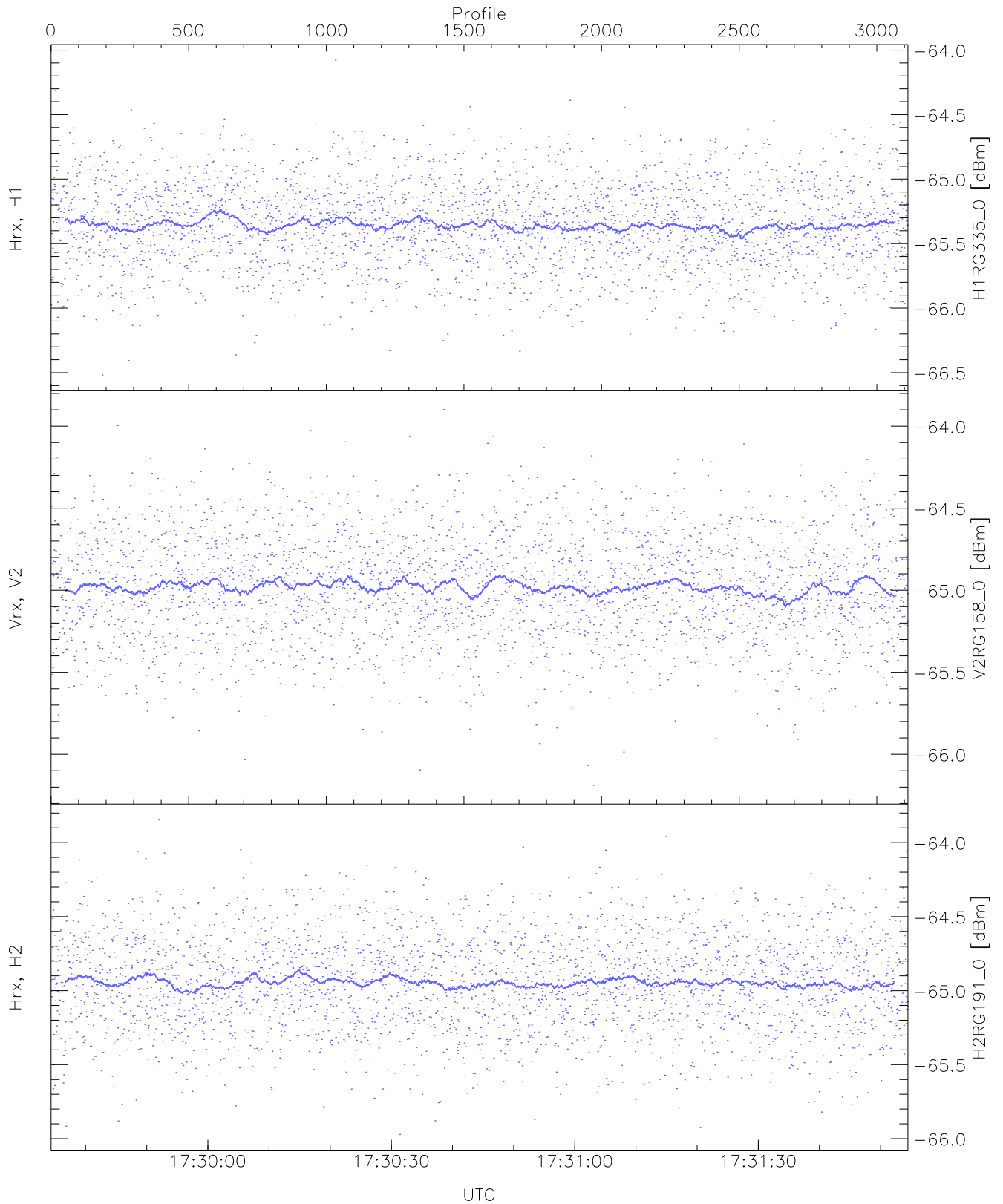
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.95 | -63.70 | -64.73 | -64.74 | -76.26 |
| Vrx, V2 (HL [dBm]) | -66.18 | -63.72 | -64.76 | -64.76 | -76.29 |
| Hrx, H2 (HL [dBm]) | -65.92 | -63.65 | -64.73 | -64.74 | -76.16 |



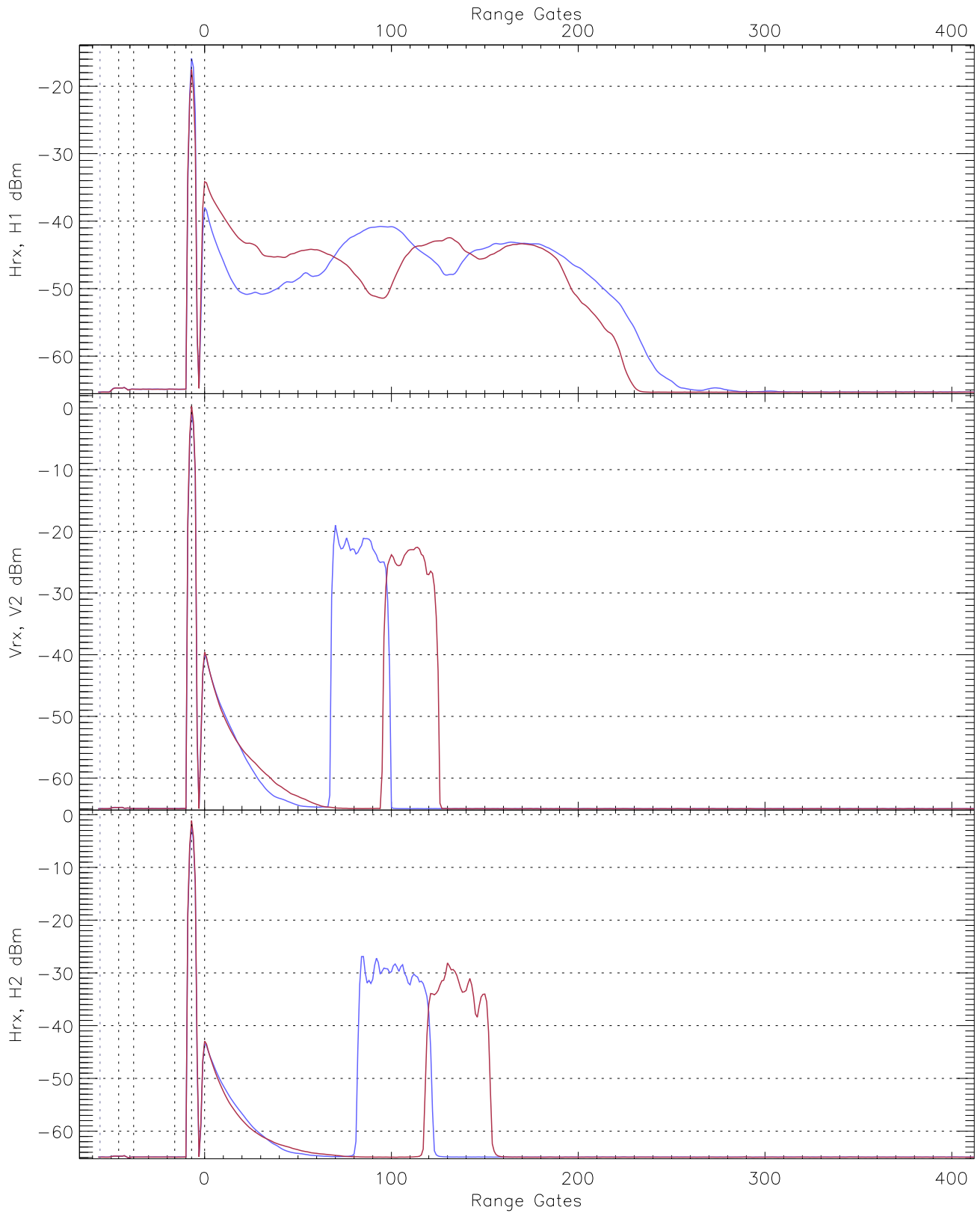
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.64 | -64.37 | -65.35 | -65.35 | -76.93 |
| Vrx, V2 (RM [dBm]) | -66.20 | -63.90 | -64.97 | -64.98 | -76.45 |
| Hrx, H2 (RM [dBm]) | -66.02 | -63.77 | -64.91 | -64.93 | -76.45 |

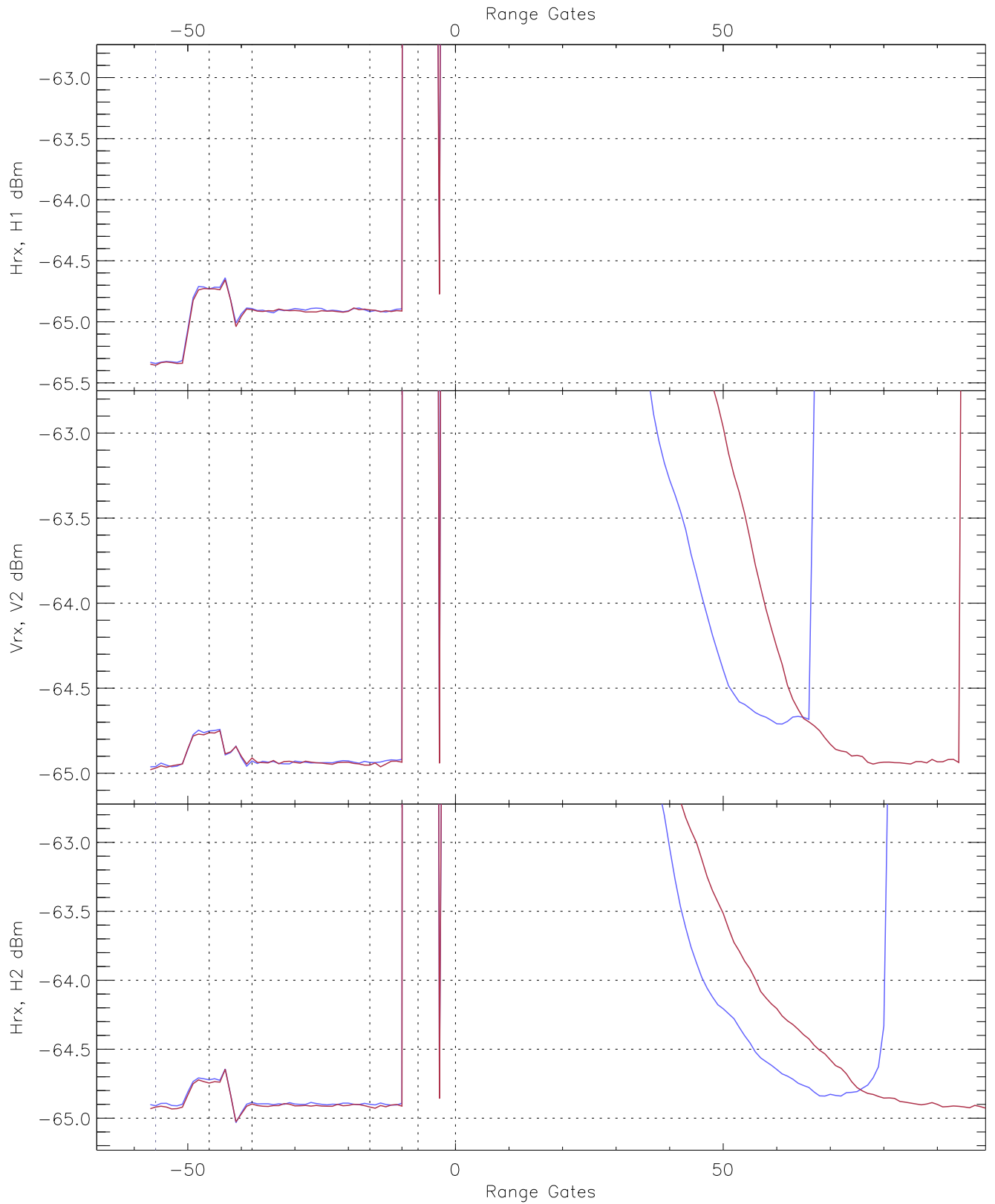


WCR3 CPP "Best" estimate Receivers Noise Power

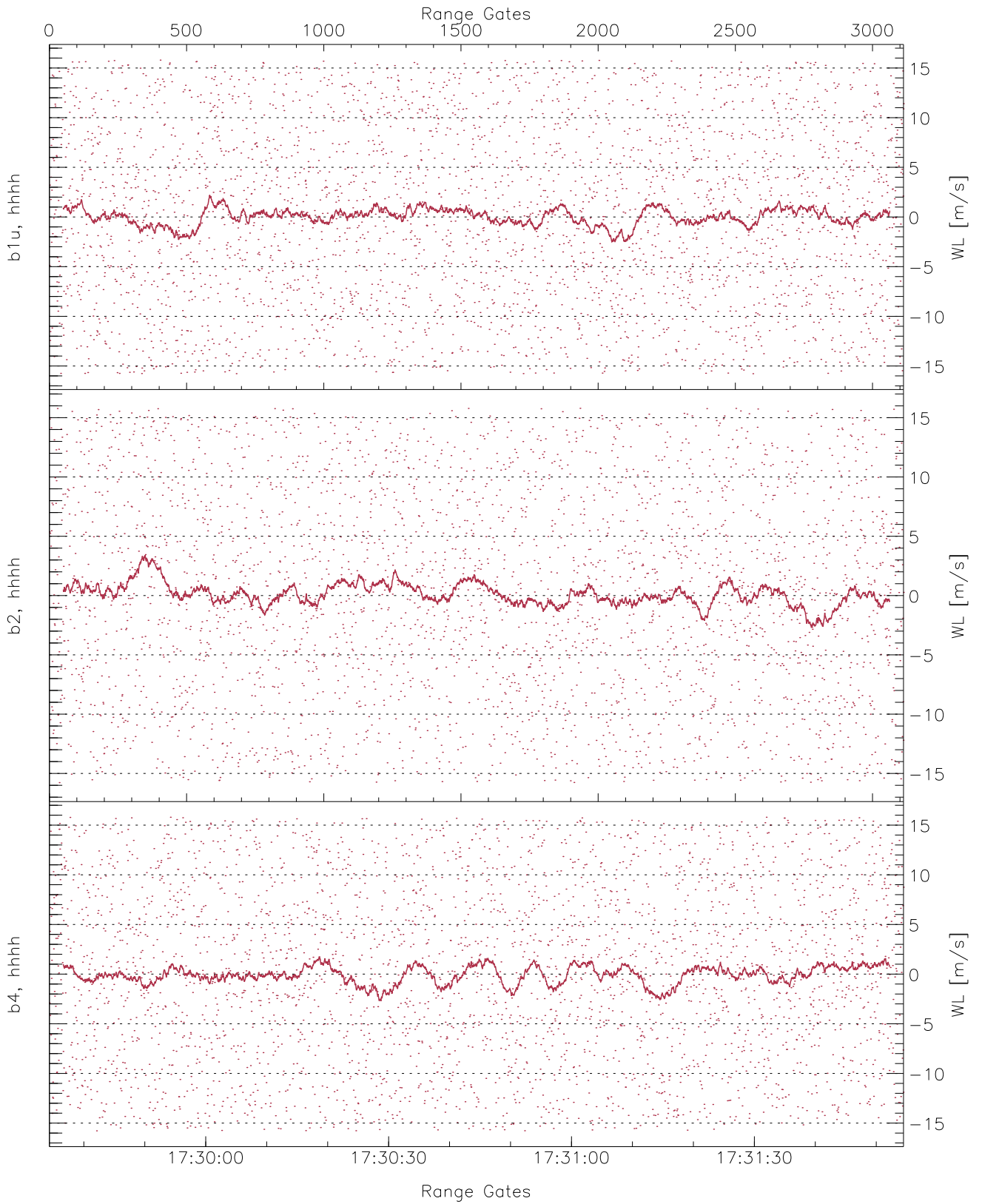
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG335_0 [dBm] | -66.52 | -64.08 | -65.35 | -65.36 | -76.78 |
| V2RG158_0 [dBm] | -66.19 | -63.90 | -64.97 | -64.98 | -76.48 |
| H2RG191_0 [dBm] | -65.97 | -63.85 | -64.94 | -64.95 | -76.51 |



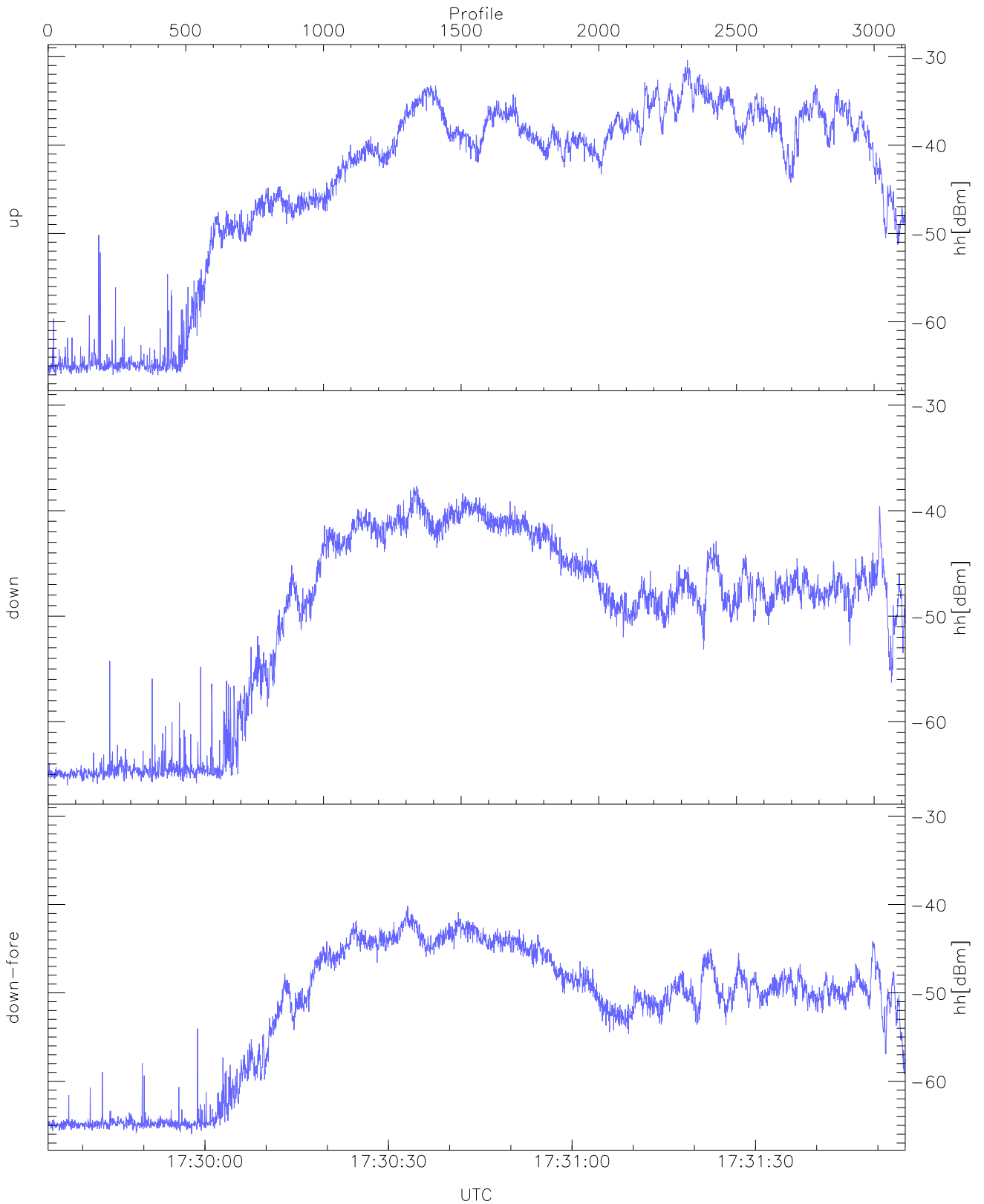
WCR3 CPP Averaged Received power for all recorded gates
blue: 172934-173044, 1558 profiles averaged
red: 173044-173154, 1557 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 172934-173044, 1558 profiles averaged
red: 173044-173154, 1557 profiles averaged

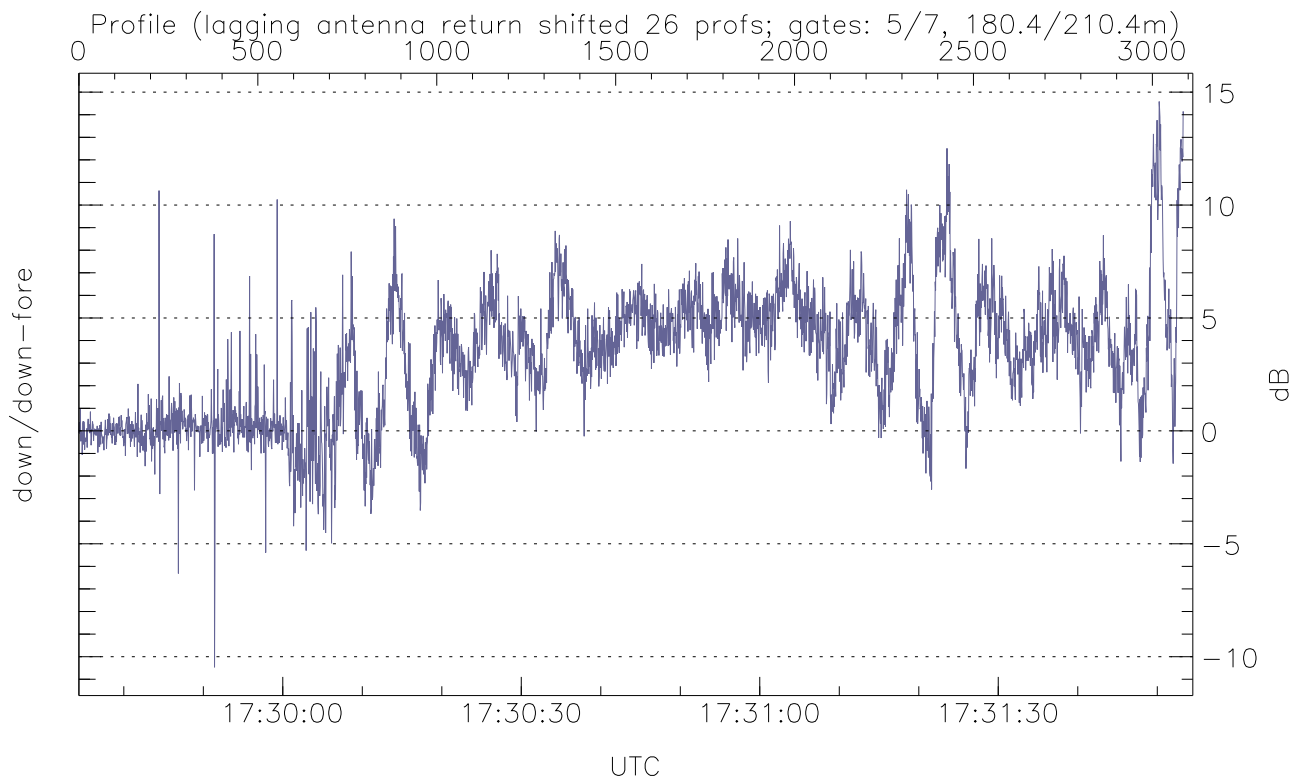
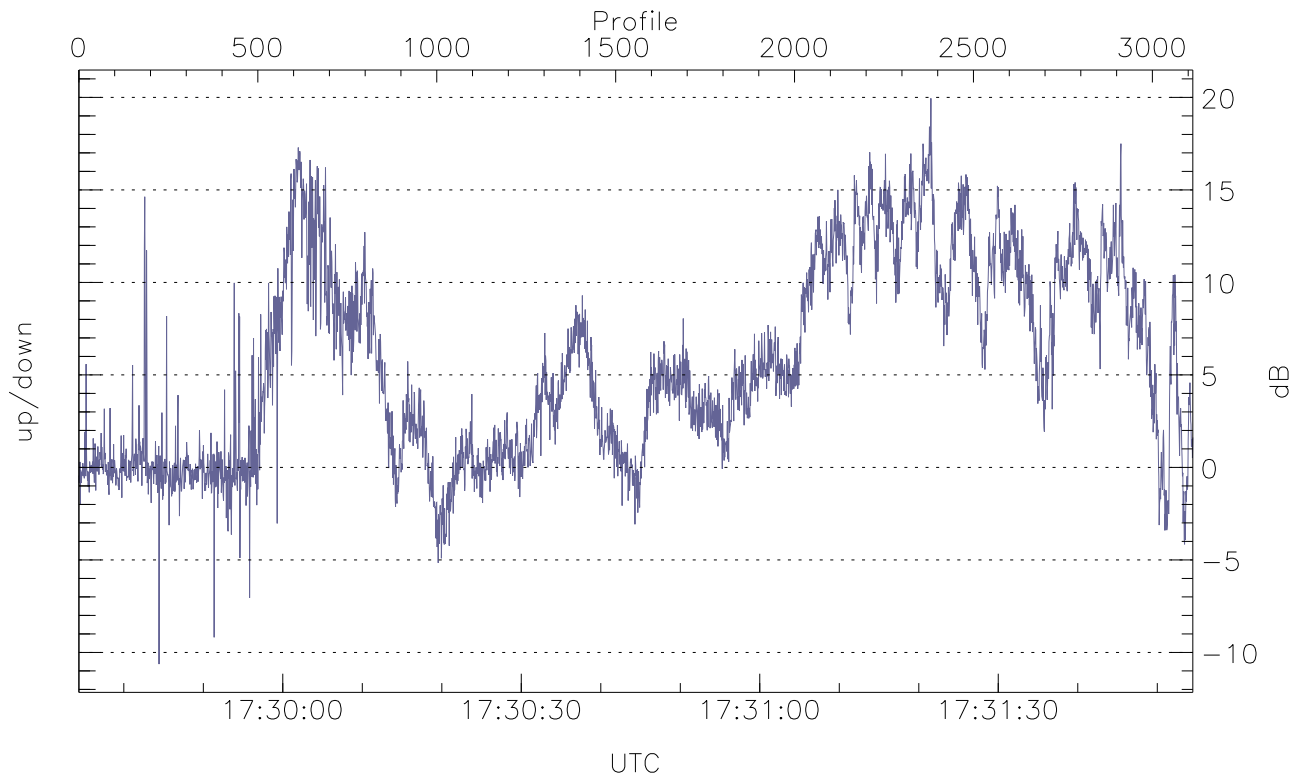


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



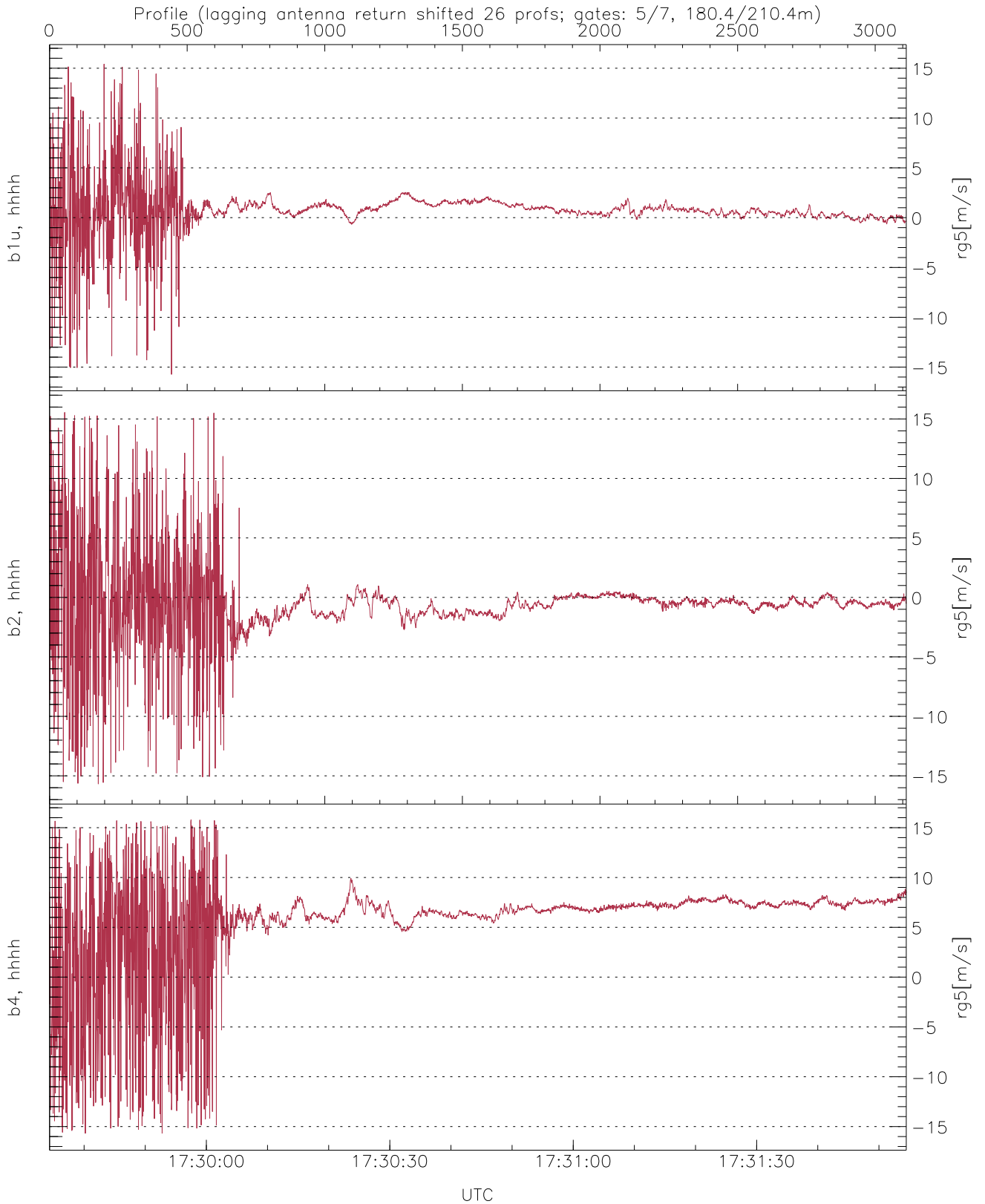
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -66.02 | -30.41 | -38.92 |
| down(hh[dBm]) | -66.02 | -37.69 | -45.23 |
| down-fore(hh[dBm]) | -65.97 | -40.17 | -47.87 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -10.63 | 19.95 | 5.63 |
| down/down-fore (dB) | -10.47 | 14.59 | 3.29 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.74 | 15.42 | 0.78 | 2.29 |
| b2, hhhh(rg5[m/s]) | -15.69 | 15.56 | -0.62 | 3.13 |
| b4, hhhh(rg5[m/s]) | -15.69 | 15.79 | 5.80 | 4.55 |