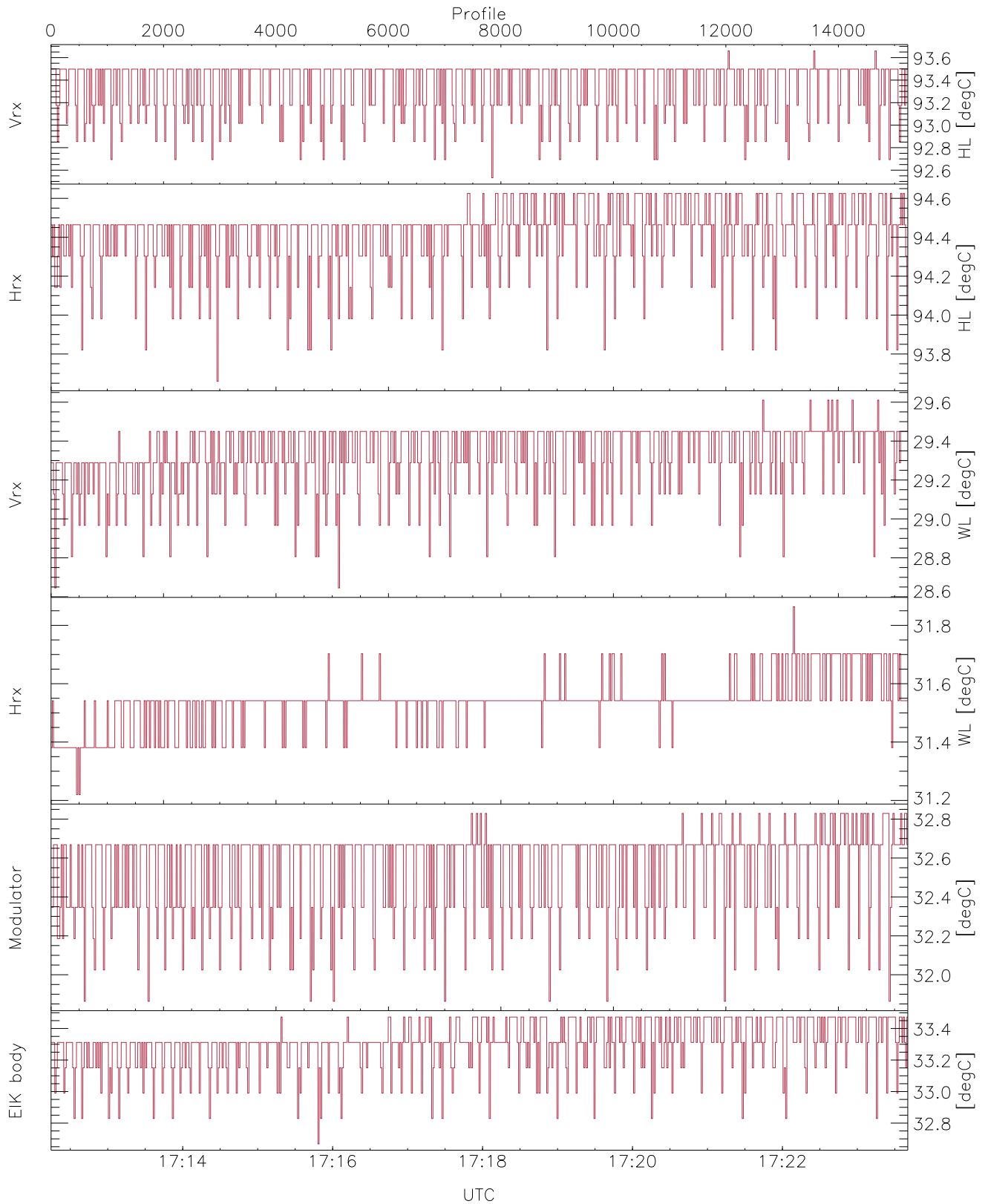


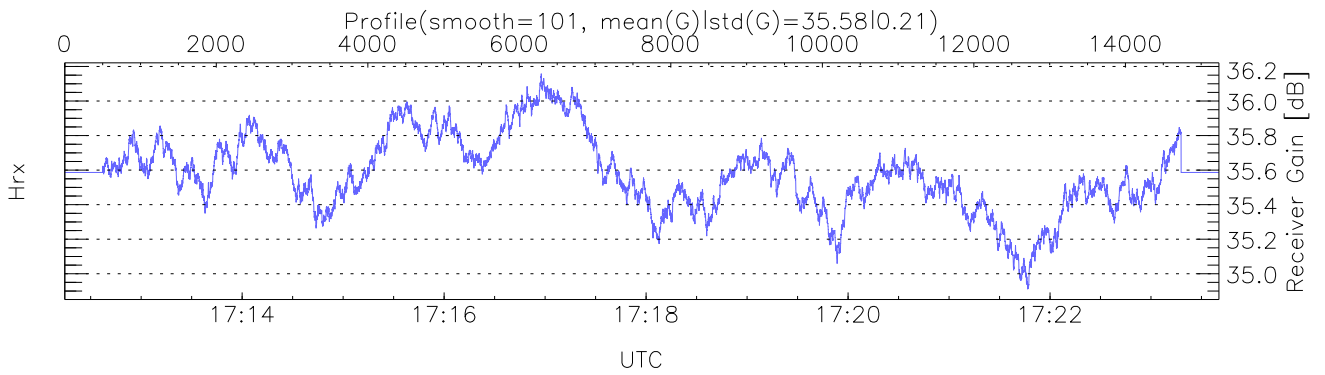
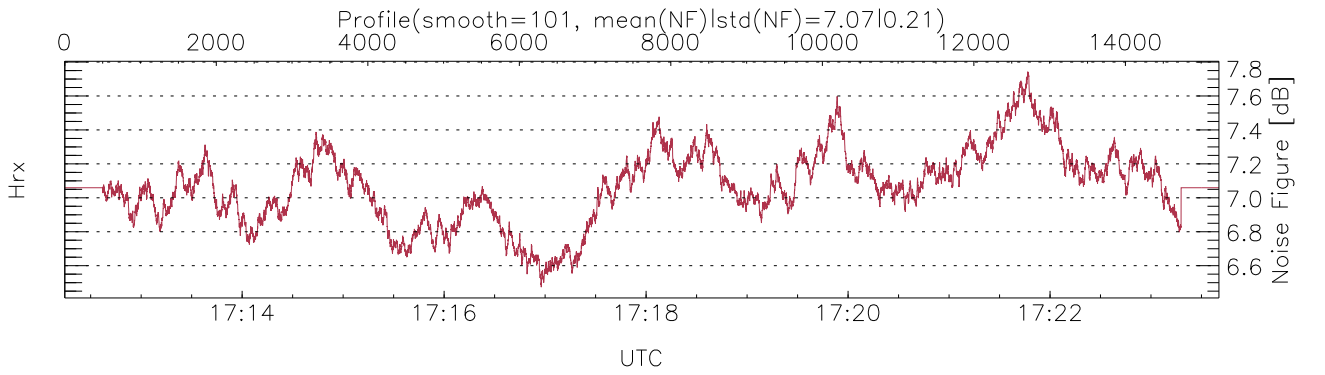
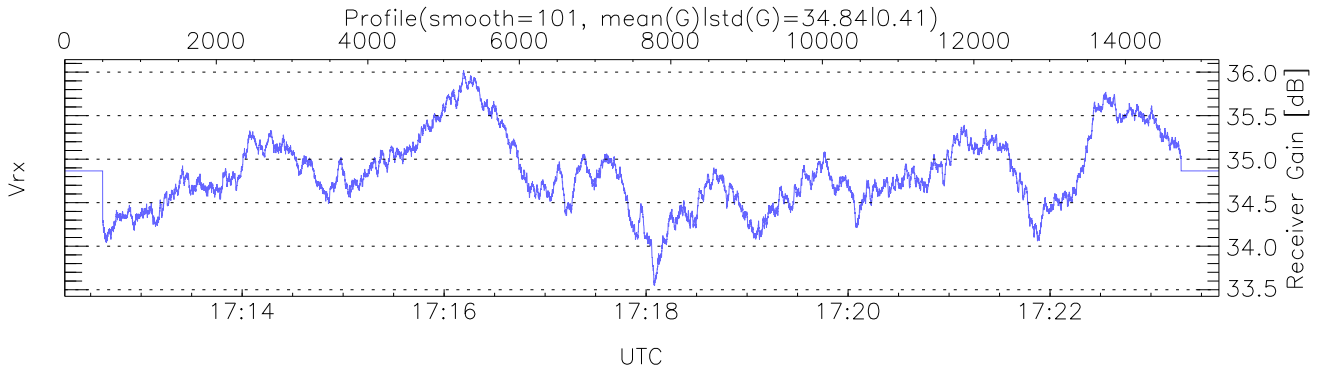
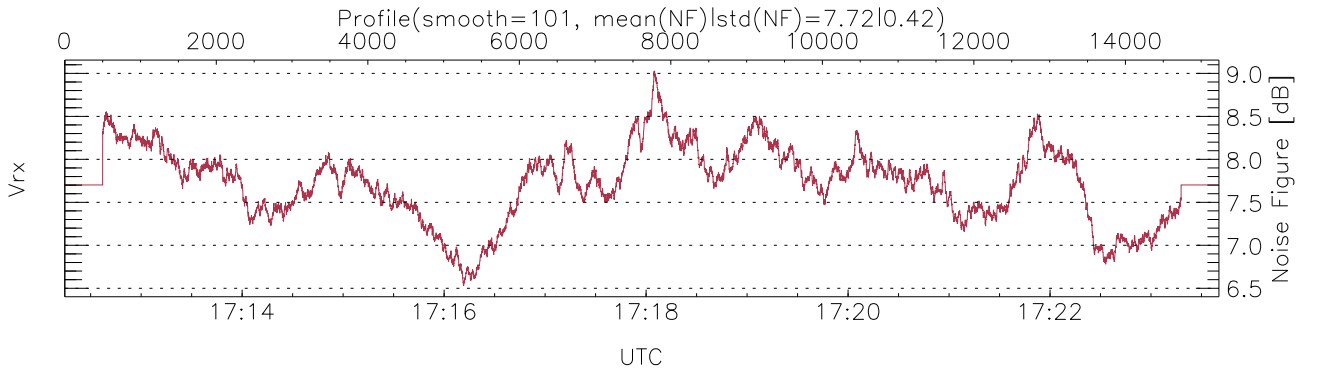
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:12:15-17:23:40, TimeCor: 0.00s, Dur: 685.75s
 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): 15236/15236, 0-15235/17:12:15-17:23:40
 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



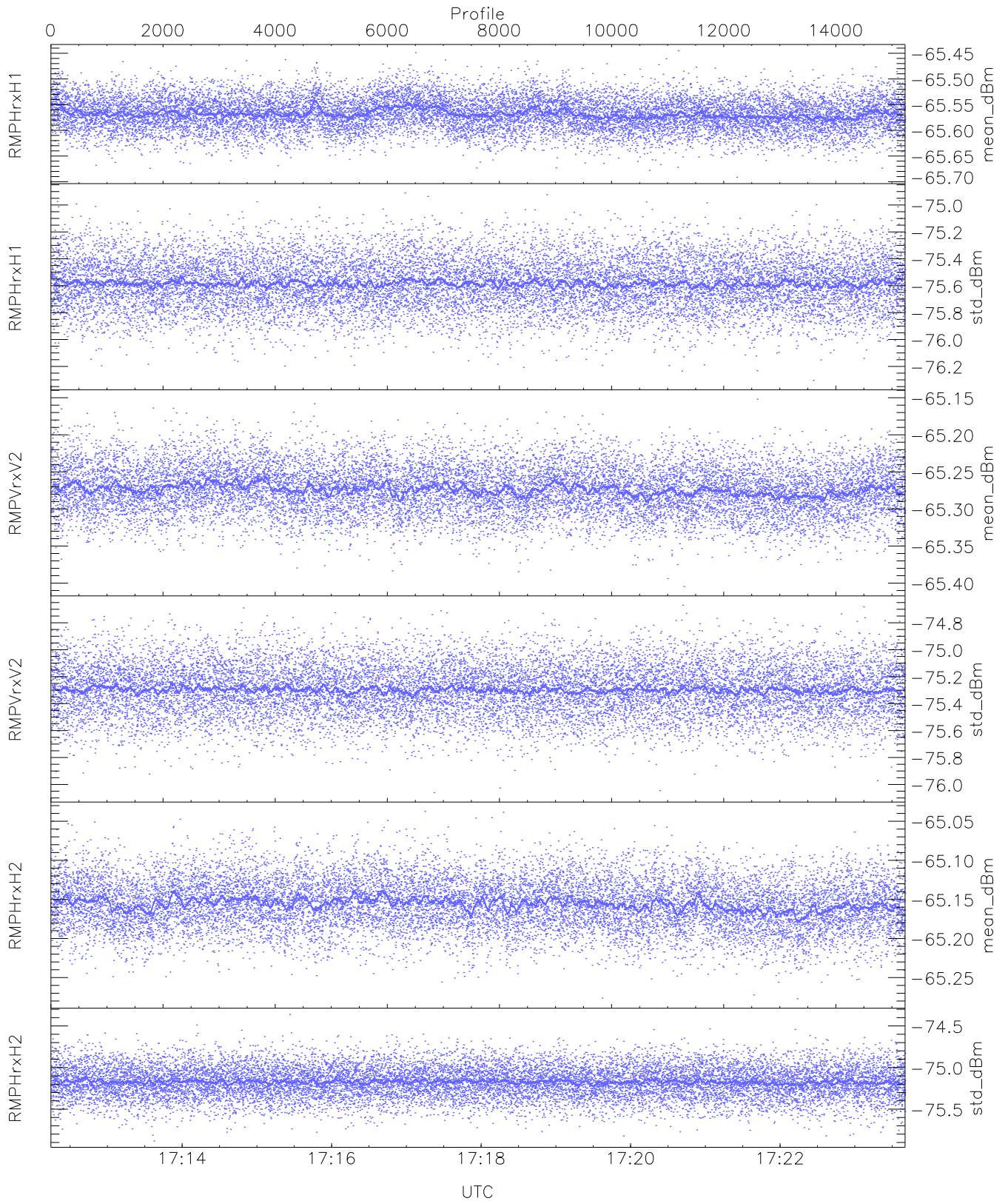
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,28,31,31,32
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,29,31,32,33
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



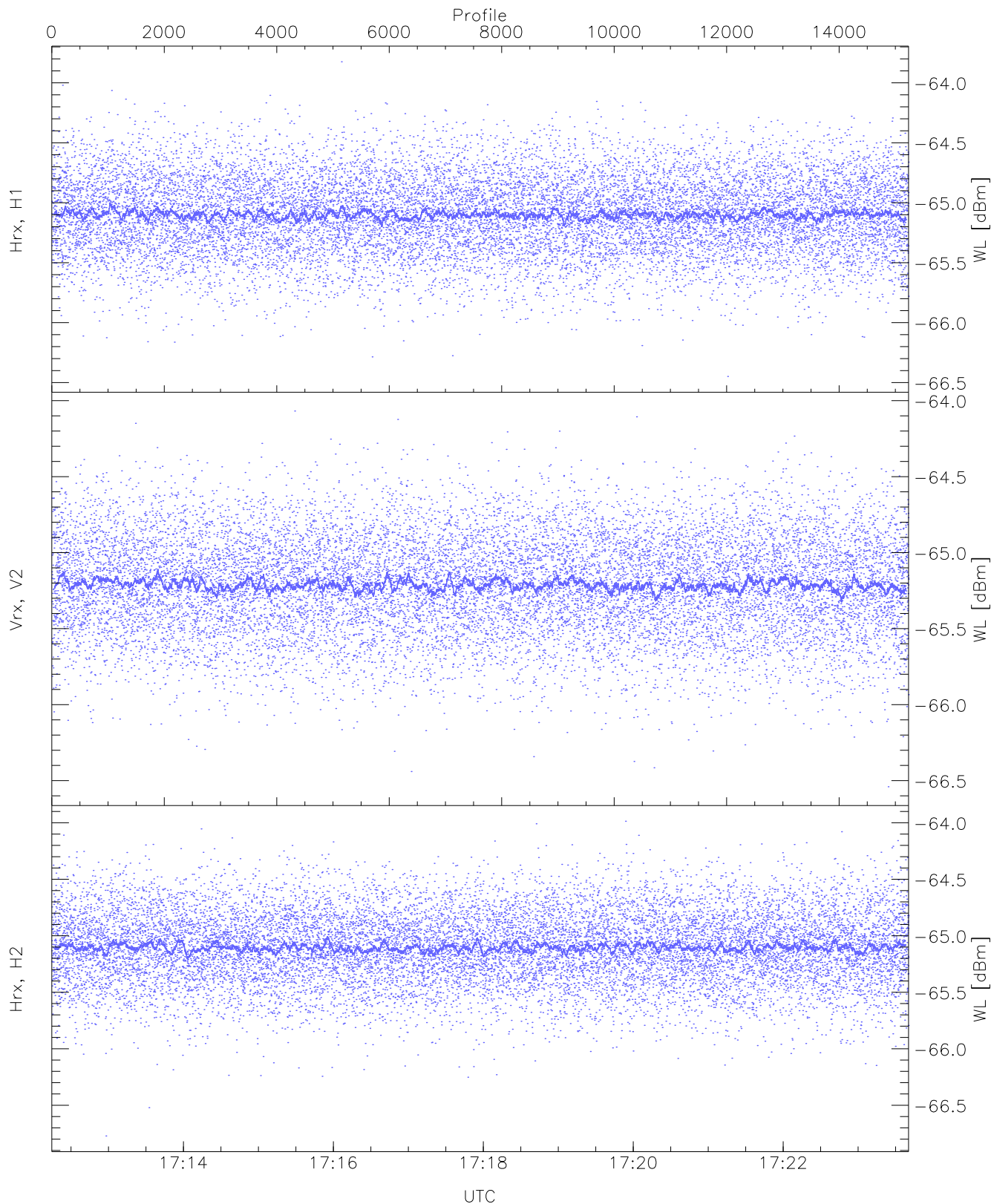
WCR3 CPP Receivers Gain and Noise Figure

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



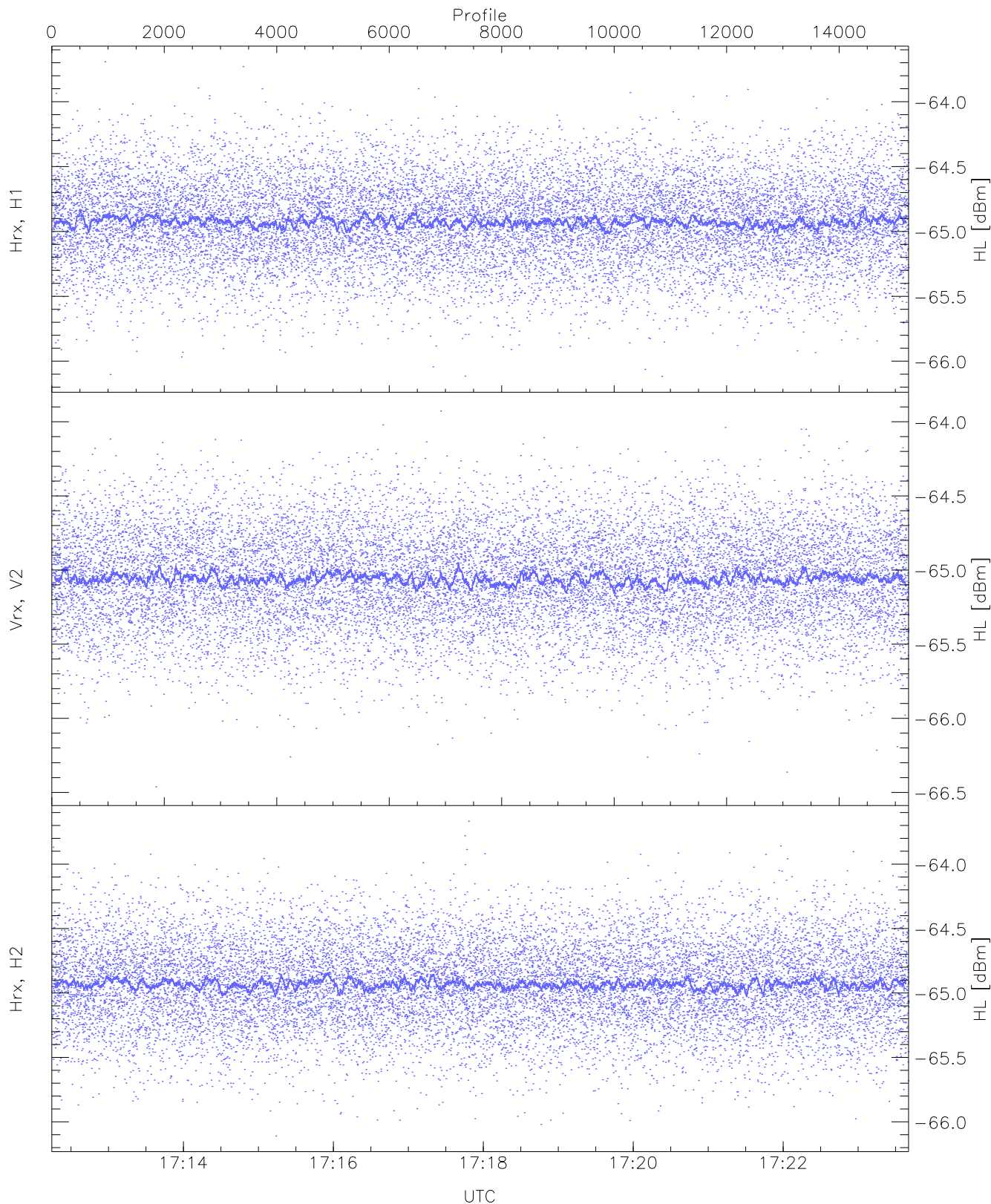
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.69 | -65.45 | -65.57 | -65.57 | -87.12 |
| RMPHrxH1(std_dBm) | -76.30 | -74.91 | -75.58 | -75.58 | -89.38 |
| RMPVrxV2(mean_dBm) | -65.40 | -65.15 | -65.27 | -65.27 | -86.75 |
| RMPVrxV2(std_dBm) | -76.06 | -74.67 | -75.30 | -75.30 | -89.09 |
| RMPHrxH2(mean_dBm) | -65.28 | -65.04 | -65.16 | -65.16 | -86.69 |
| RMPHrxH2(std_dBm) | -75.88 | -74.36 | -75.17 | -75.17 | -88.94 |



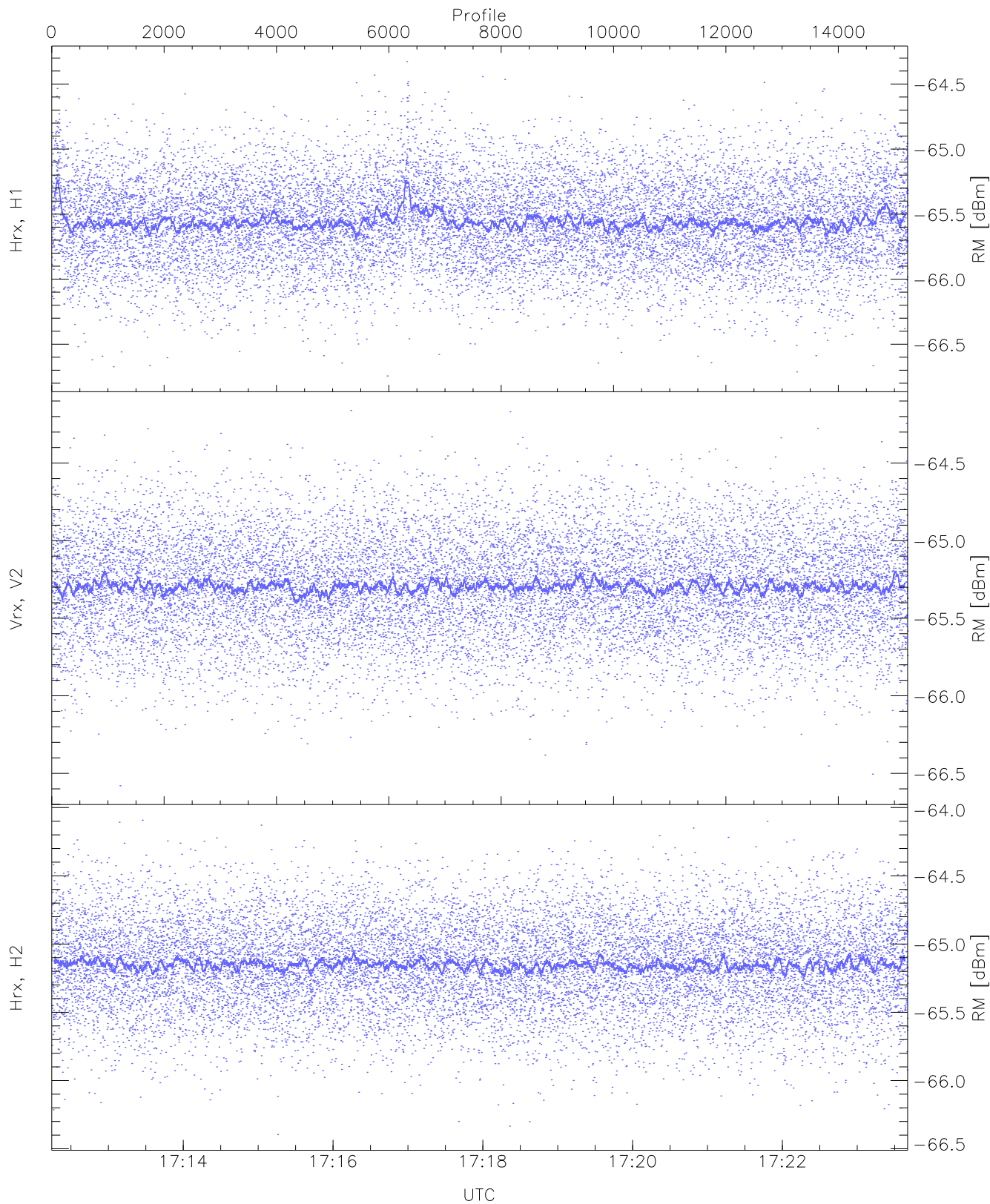
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.45 | -63.82 | -65.09 | -65.10 | -76.60 |
| Vrx, V2 (WL [dBm]) | -66.54 | -64.07 | -65.20 | -65.21 | -76.72 |
| Hrx, H2 (WL [dBm]) | -66.77 | -63.99 | -65.10 | -65.10 | -76.62 |



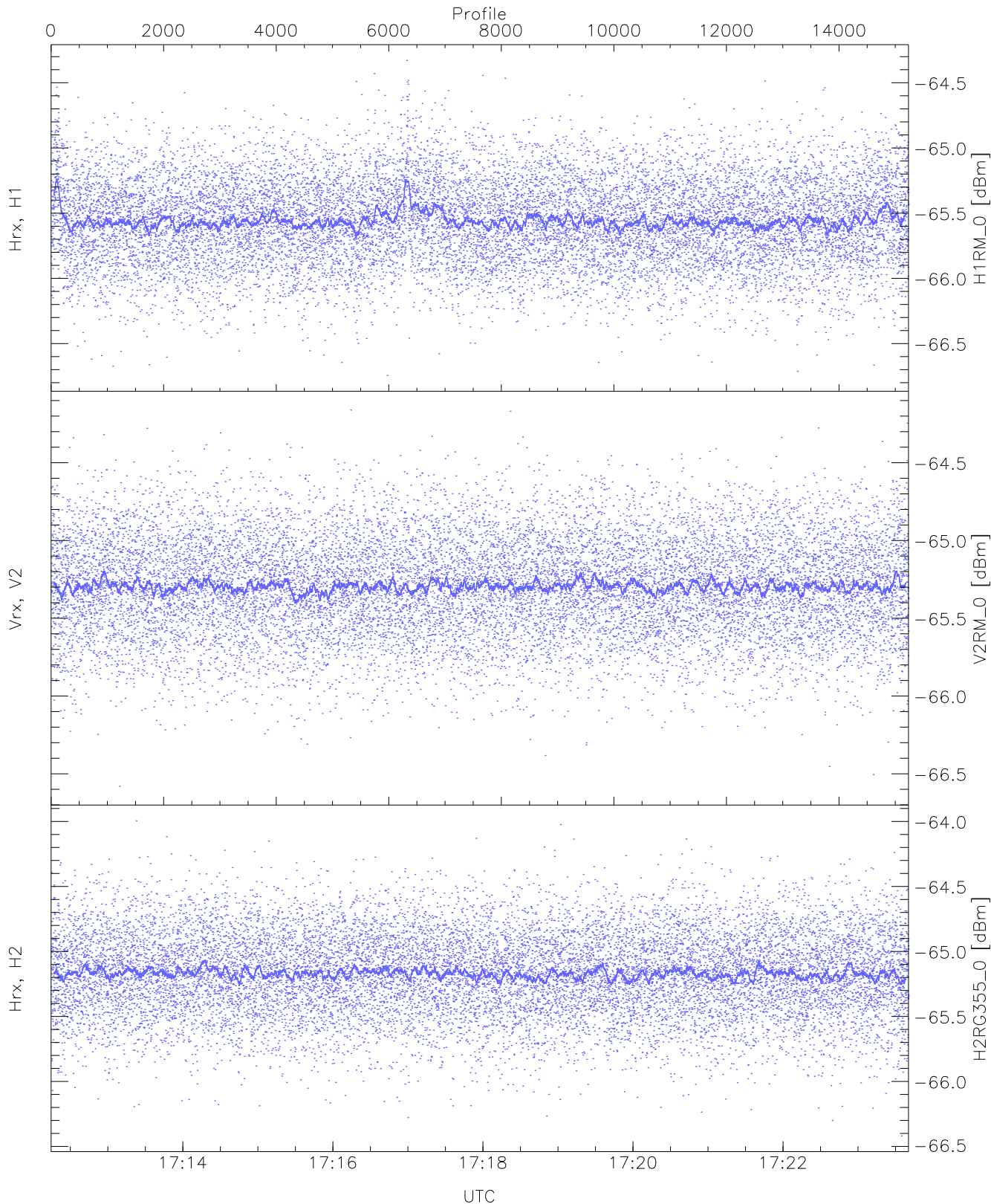
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -66.12 | -63.69 | -64.92 | -64.93 | -76.42 |
| Vrx, V2 (HL [dBm]) | -66.46 | -63.93 | -65.05 | -65.06 | -76.57 |
| Hrx, H2 (HL [dBm]) | -66.11 | -63.67 | -64.92 | -64.93 | -76.40 |



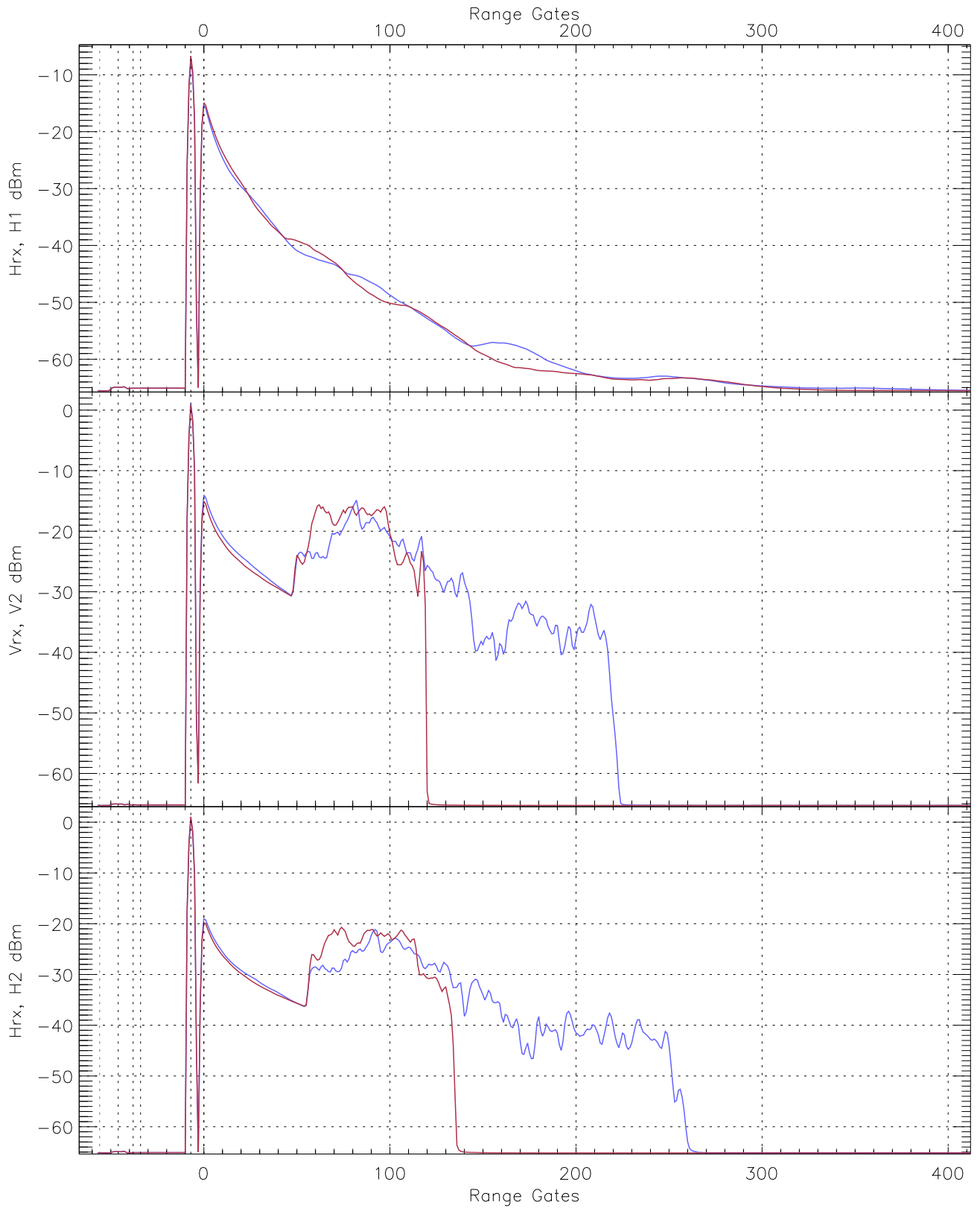
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.74 | -64.33 | -65.55 | -65.56 | -76.98 |
| Vrx, V2 (RM [dBm]) | -66.58 | -64.16 | -65.29 | -65.30 | -76.84 |
| Hrx, H2 (RM [dBm]) | -66.40 | -64.09 | -65.15 | -65.15 | -76.66 |

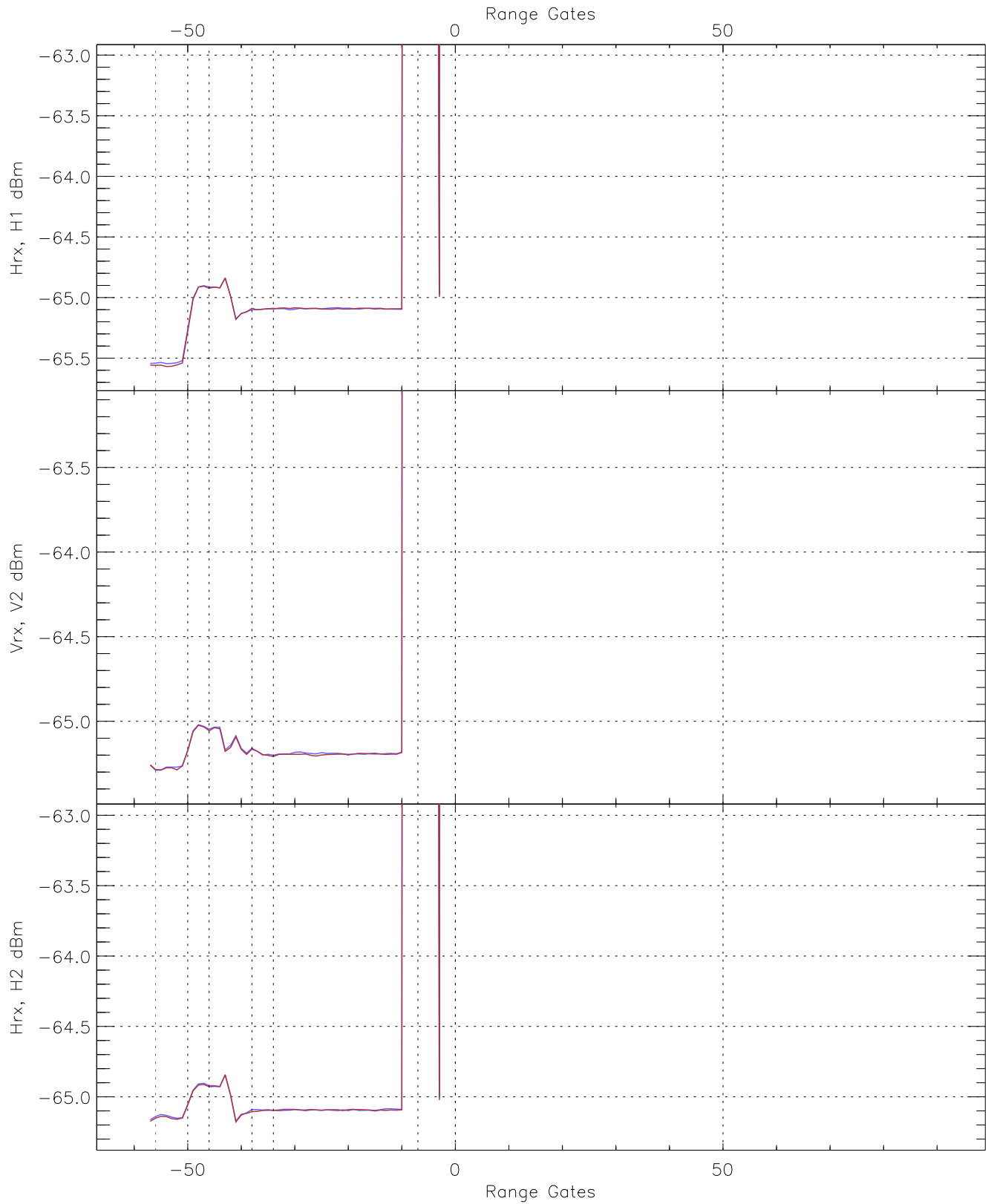


WCR3 CPP "Best" estimate Receivers Noise Power

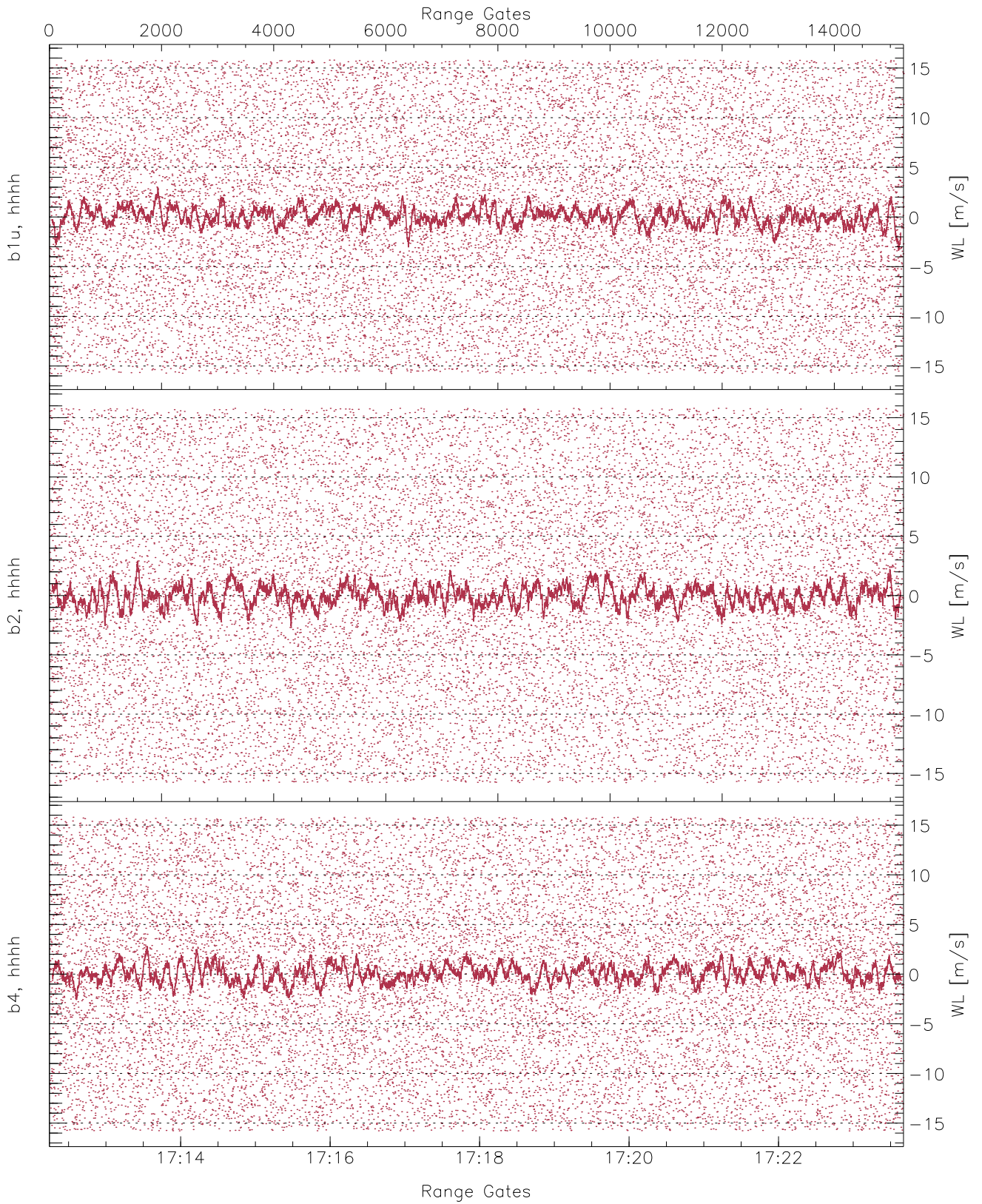
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RM_0 [dBm] | -66.74 | -64.33 | -65.55 | -65.56 | -76.98 |
| V2RM_0 [dBm] | -66.58 | -64.16 | -65.29 | -65.30 | -76.84 |
| H2RG355_0 [dBm] | -66.42 | -63.99 | -65.16 | -65.17 | -76.67 |



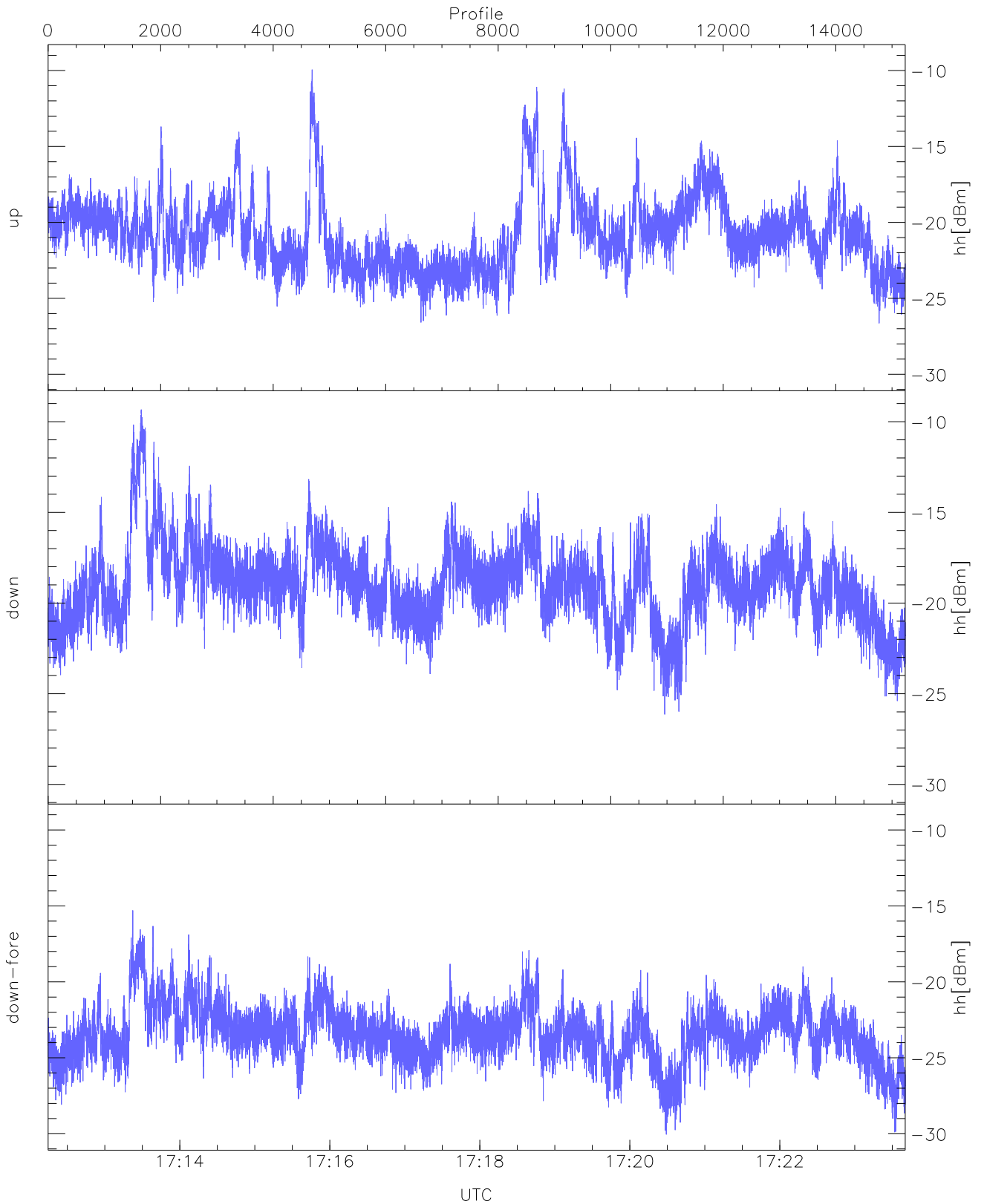
WCR3 CPP Averaged Received power for all recorded gates
blue: 171215-171758, 7619 profiles averaged
red: 171758-172340, 7618 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 171215-171758, 7619 profiles averaged
red: 171758-172340, 7618 profiles averaged

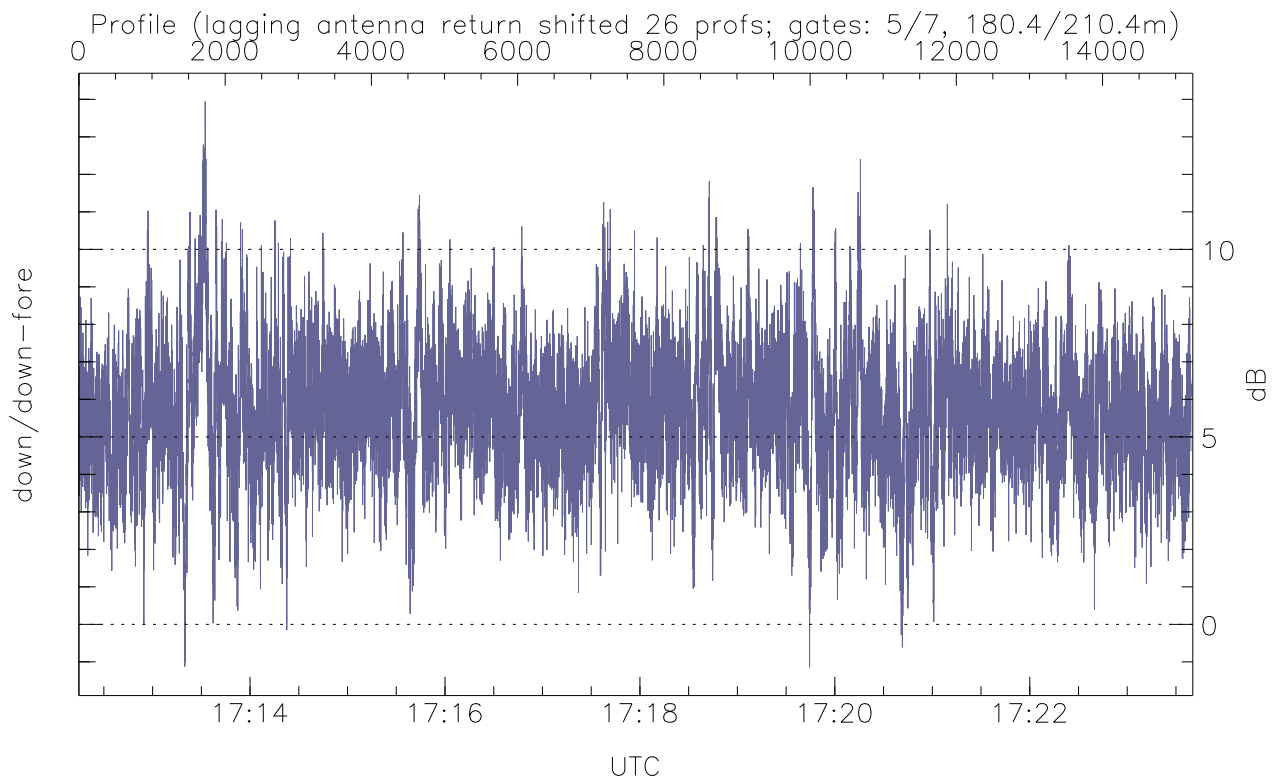
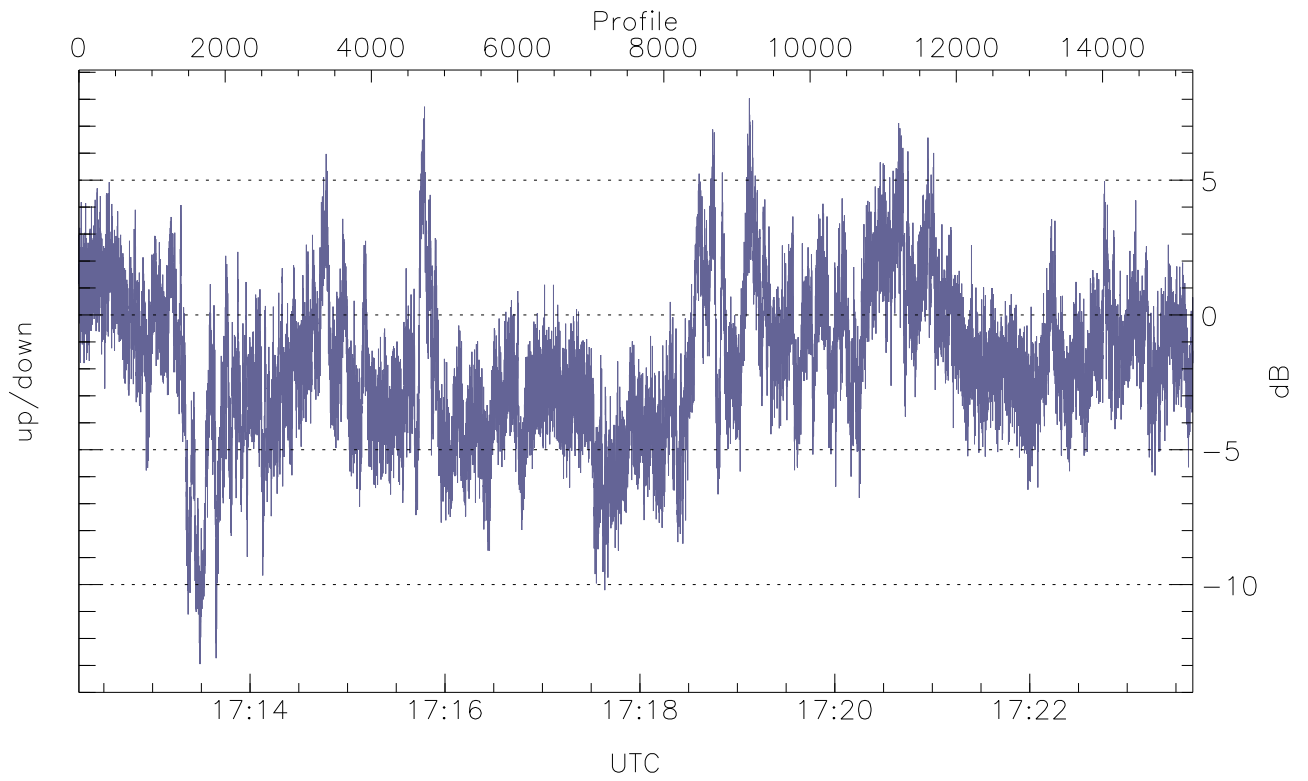


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



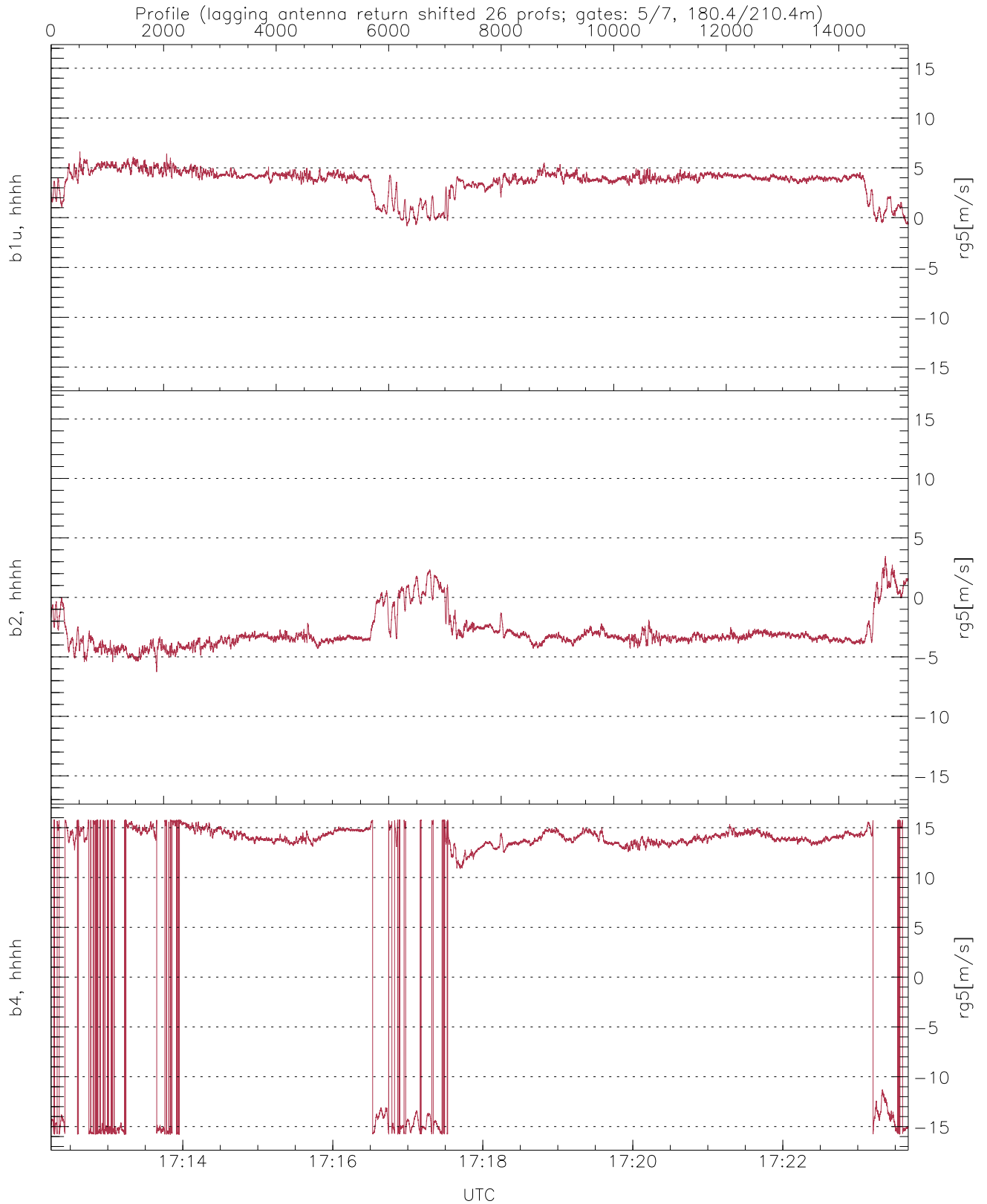
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -26.64 | -9.94 | -20.01 |
| down(hh[dBm]) | -26.14 | -9.33 | -18.44 |
| down-fore(hh[dBm]) | -30.05 | -15.29 | -23.04 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -12.95 | 8.03 | -1.77 |
| down/down-fore (dB) | -1.14 | 13.94 | 5.69 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -0.85 | 6.62 | 3.68 | 1.31 |
| b2, hhhh(rg5[m/s]) | -6.27 | 3.47 | -2.94 | 1.48 |
| b4, hhhh(rg5[m/s]) | -15.79 | 15.79 | 9.12 | 10.92 |