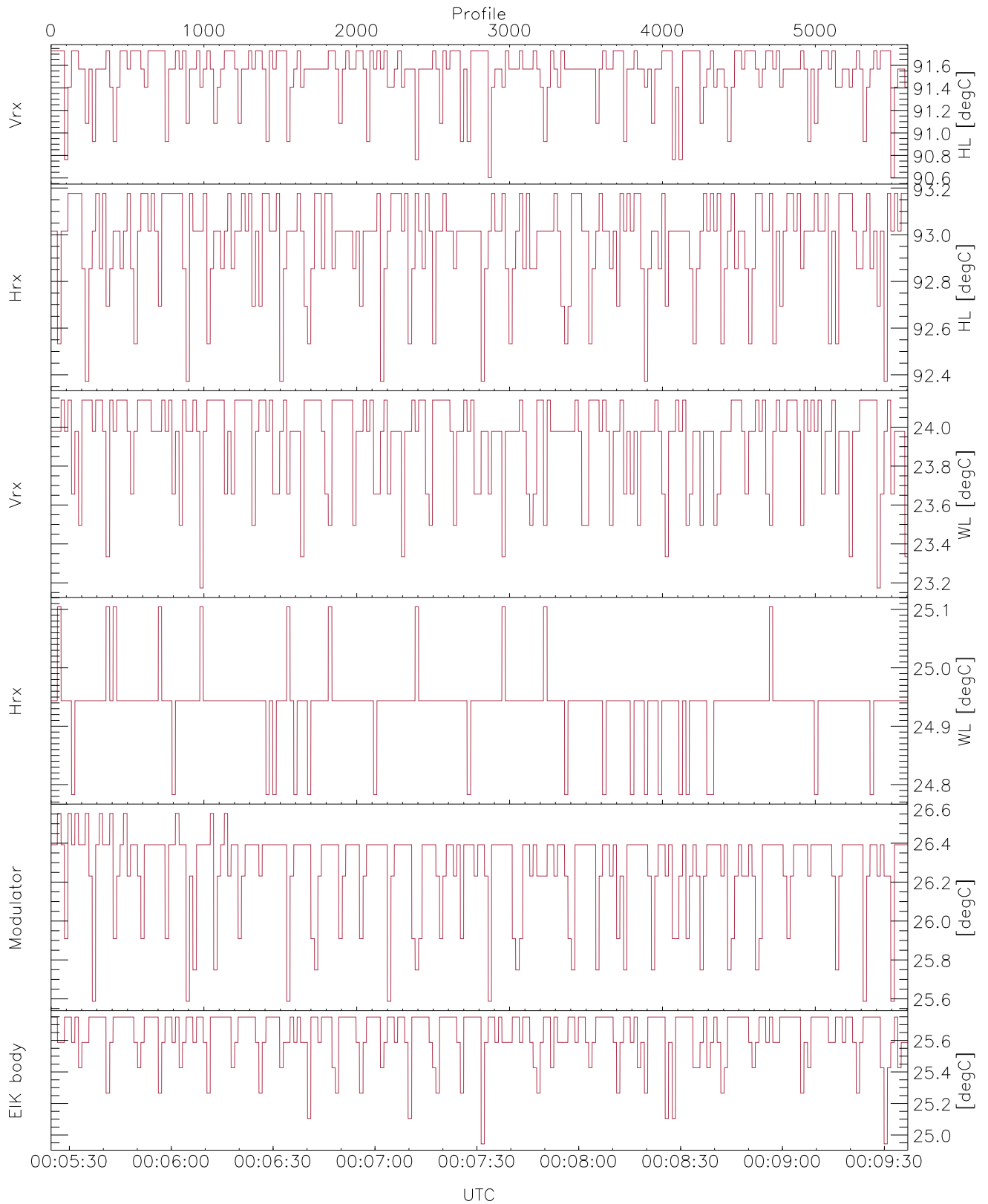


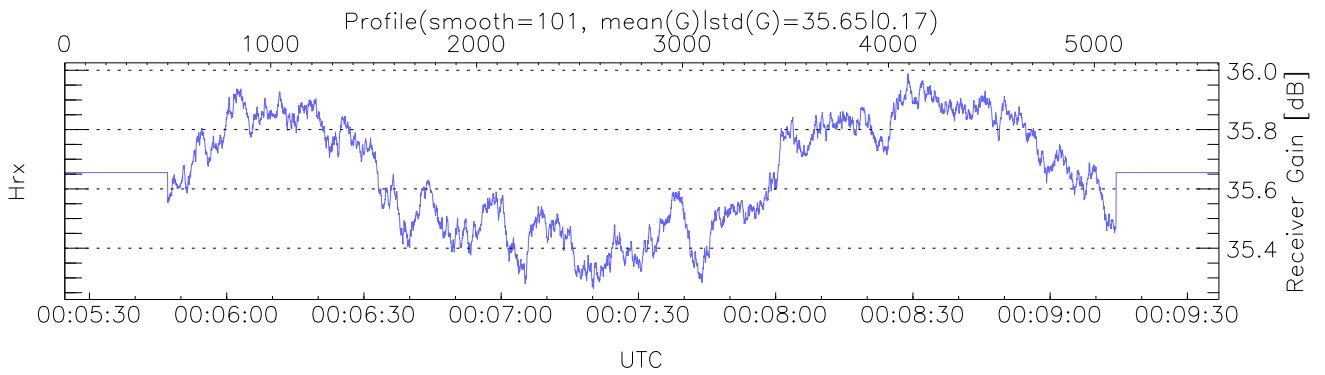
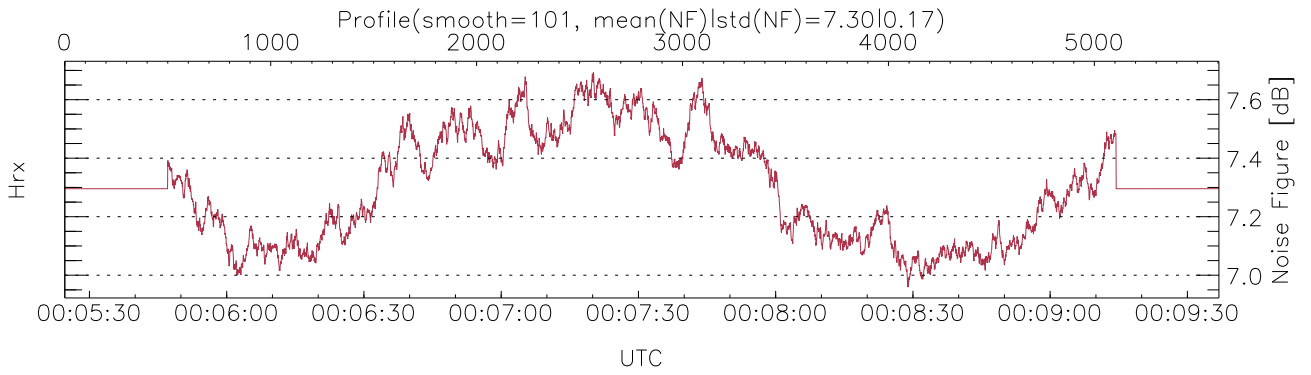
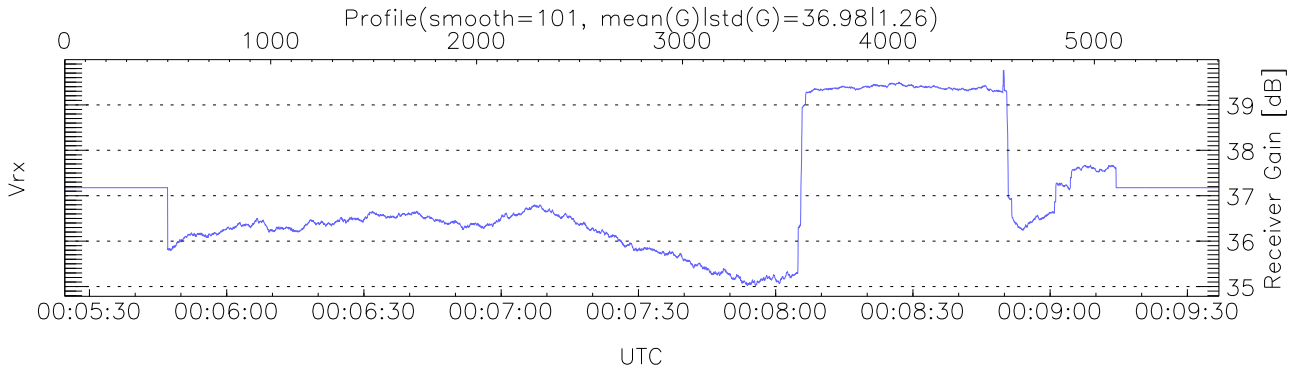
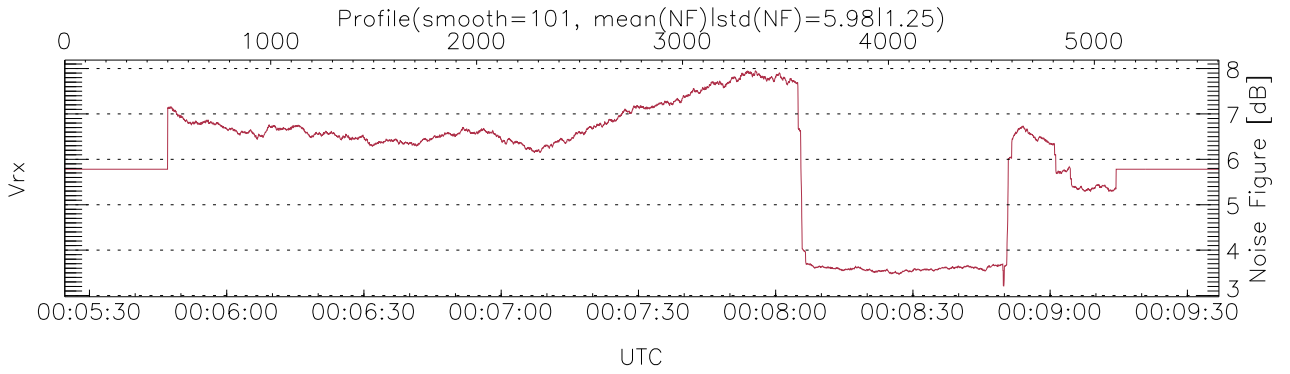
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 00:05:25-00:09:37, TimeCor: 0.00s, Dur: 252.29s
 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): 5606/5606, 0-5605/00:05:25-00:09:37
 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



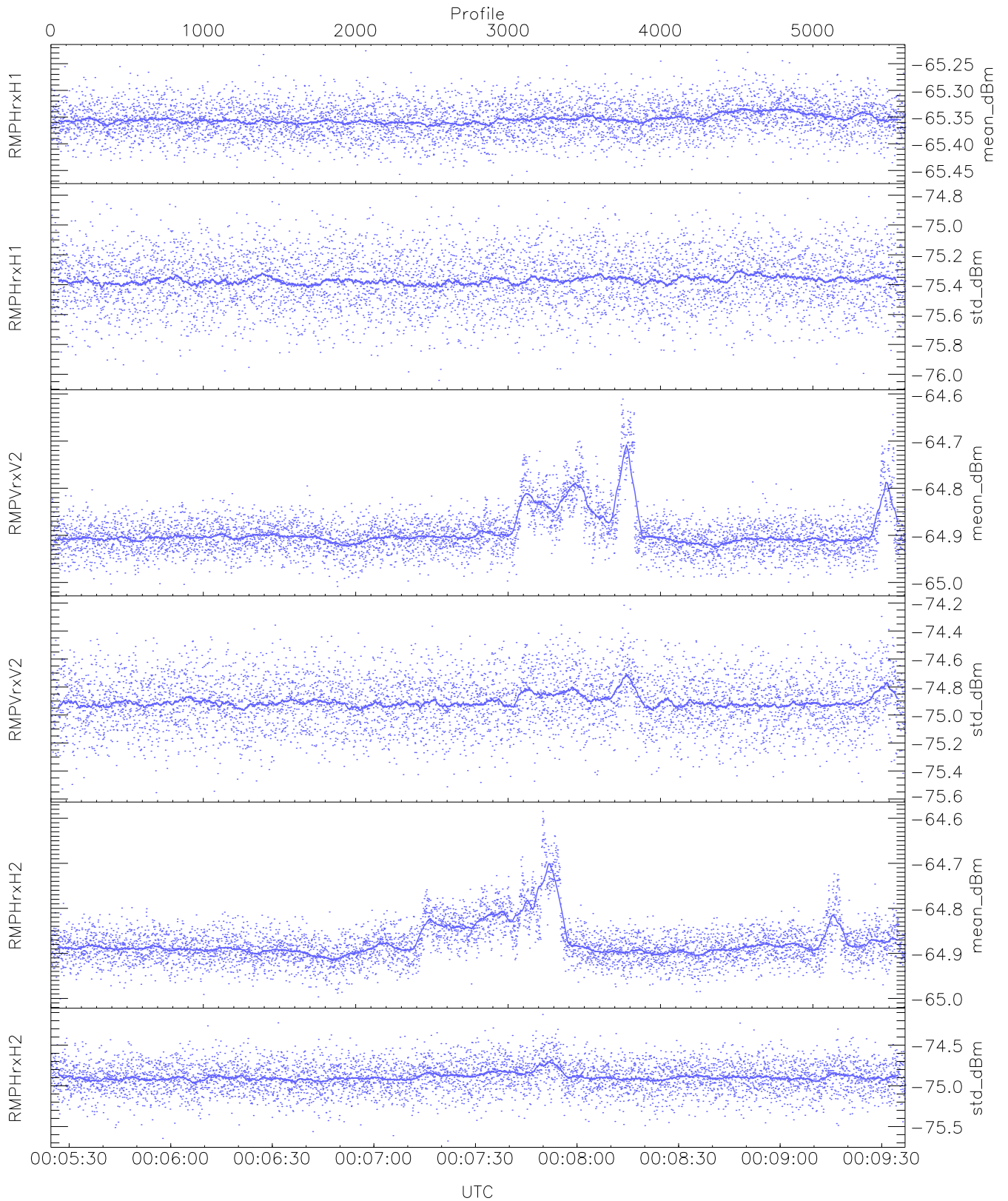
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,23,24,25,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,24,25,26,25
LOalarm(20,240,2817,14861 MHz): 0,0,22,0
EIK/Modulator Faults: None



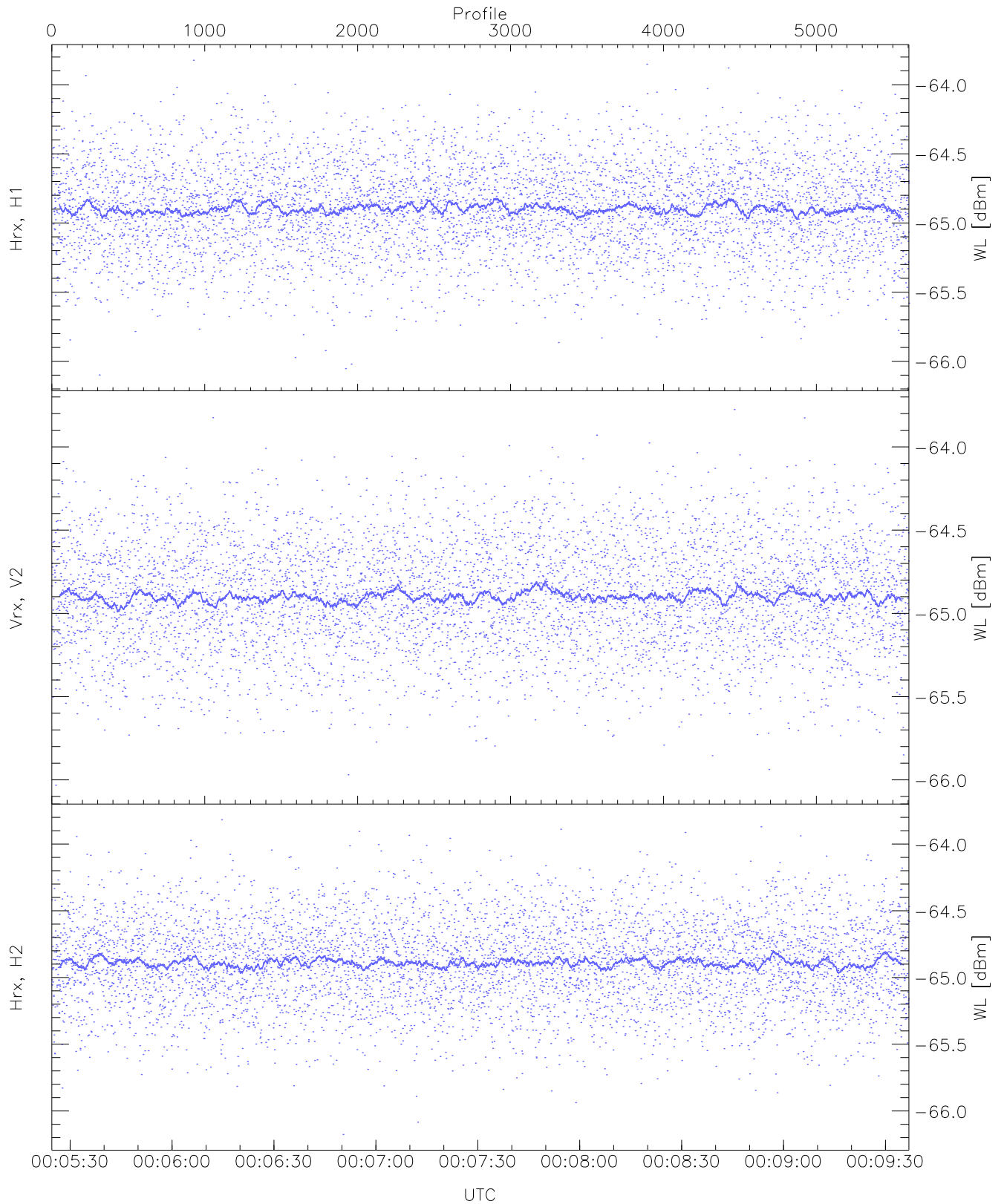
WCR3 CPP Receivers Gain and Noise Figure

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



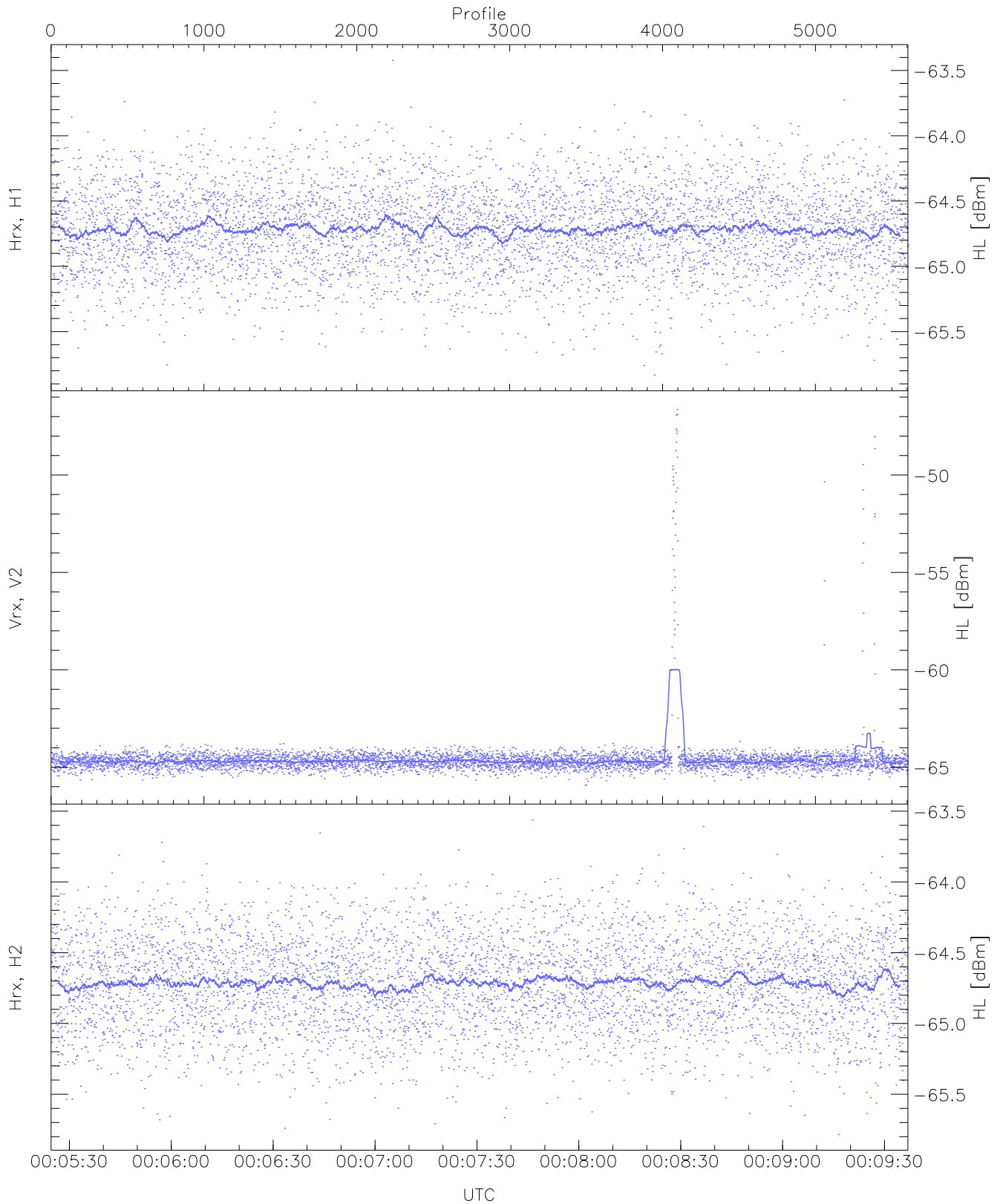
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.46 | -65.23 | -65.35 | -65.35 | -86.78 |
| RMPHrxH1(std_dBm) | -76.04 | -74.79 | -75.37 | -75.37 | -89.18 |
| RMPVrxV2(mean_dBm) | -65.01 | -64.61 | -64.89 | -64.90 | -84.19 |
| RMPVrxV2(std_dBm) | -75.56 | -74.22 | -74.90 | -74.91 | -88.61 |
| RMPHrxH2(mean_dBm) | -65.00 | -64.58 | -64.88 | -64.88 | -84.36 |
| RMPHrxH2(std_dBm) | -75.68 | -74.12 | -74.89 | -74.89 | -88.59 |



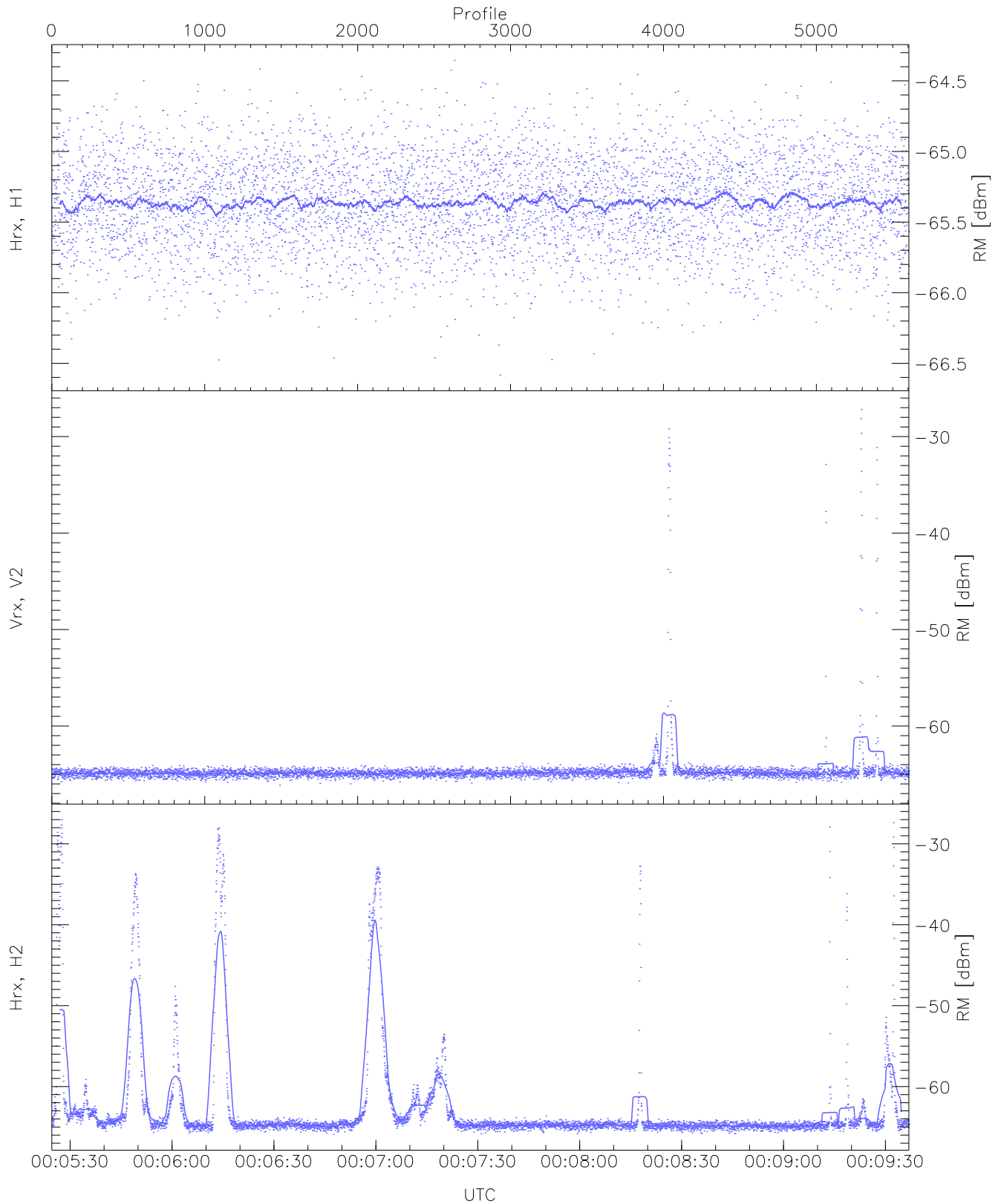
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -66.10 | -63.82 | -64.89 | -64.90 | -76.37 |
| Vrx, V2 (WL [dBm]) | -66.03 | -63.78 | -64.89 | -64.90 | -76.38 |
| Hrx, H2 (WL [dBm]) | -66.18 | -63.82 | -64.88 | -64.89 | -76.39 |



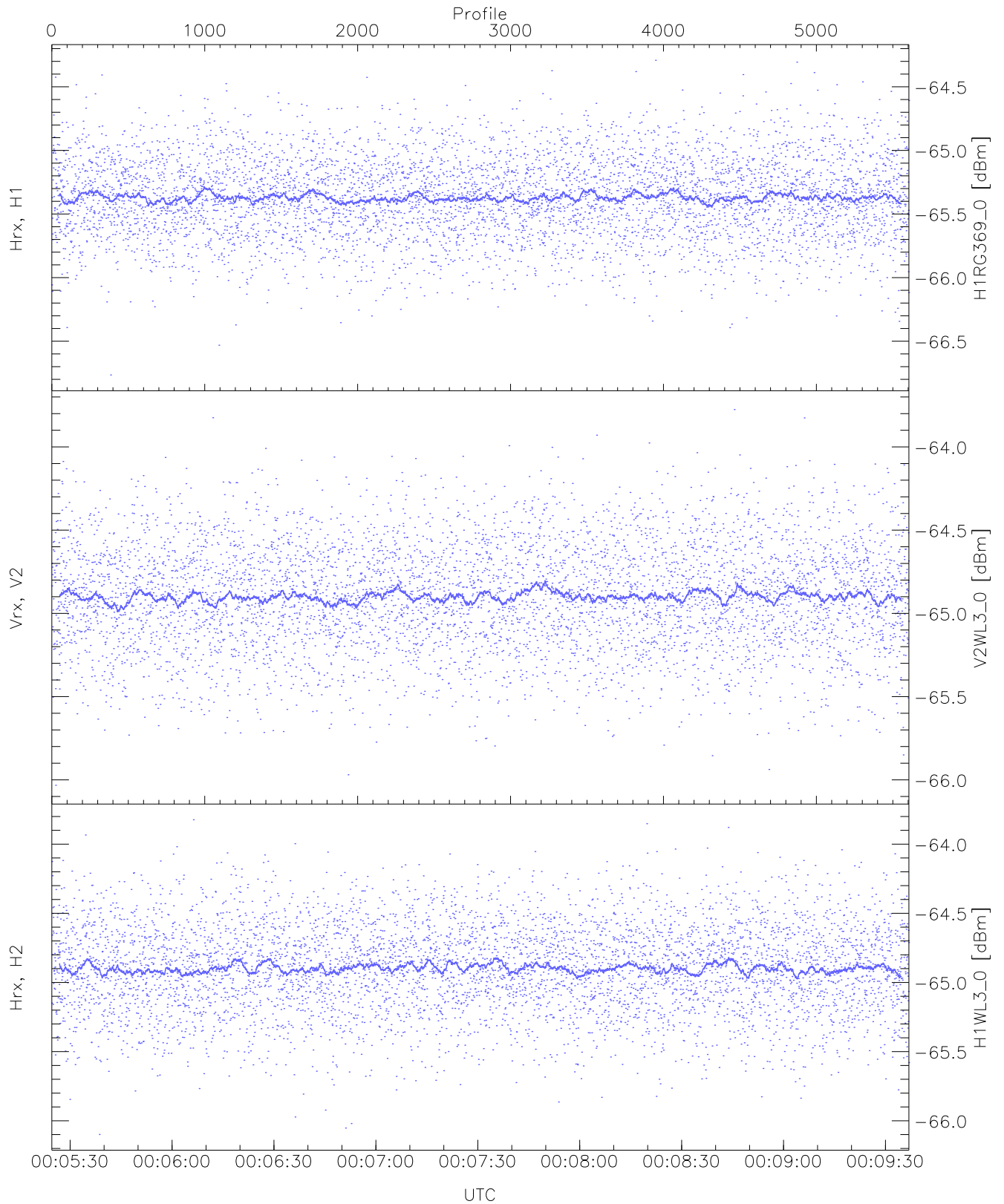
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.83 | -63.42 | -64.71 | -64.71 | -76.21 |
| Vrx, V2 (HL [dBm]) | -65.93 | -46.64 | -63.91 | -64.71 | -60.53 |
| Hrx, H2 (HL [dBm]) | -65.78 | -63.56 | -64.71 | -64.71 | -76.24 |



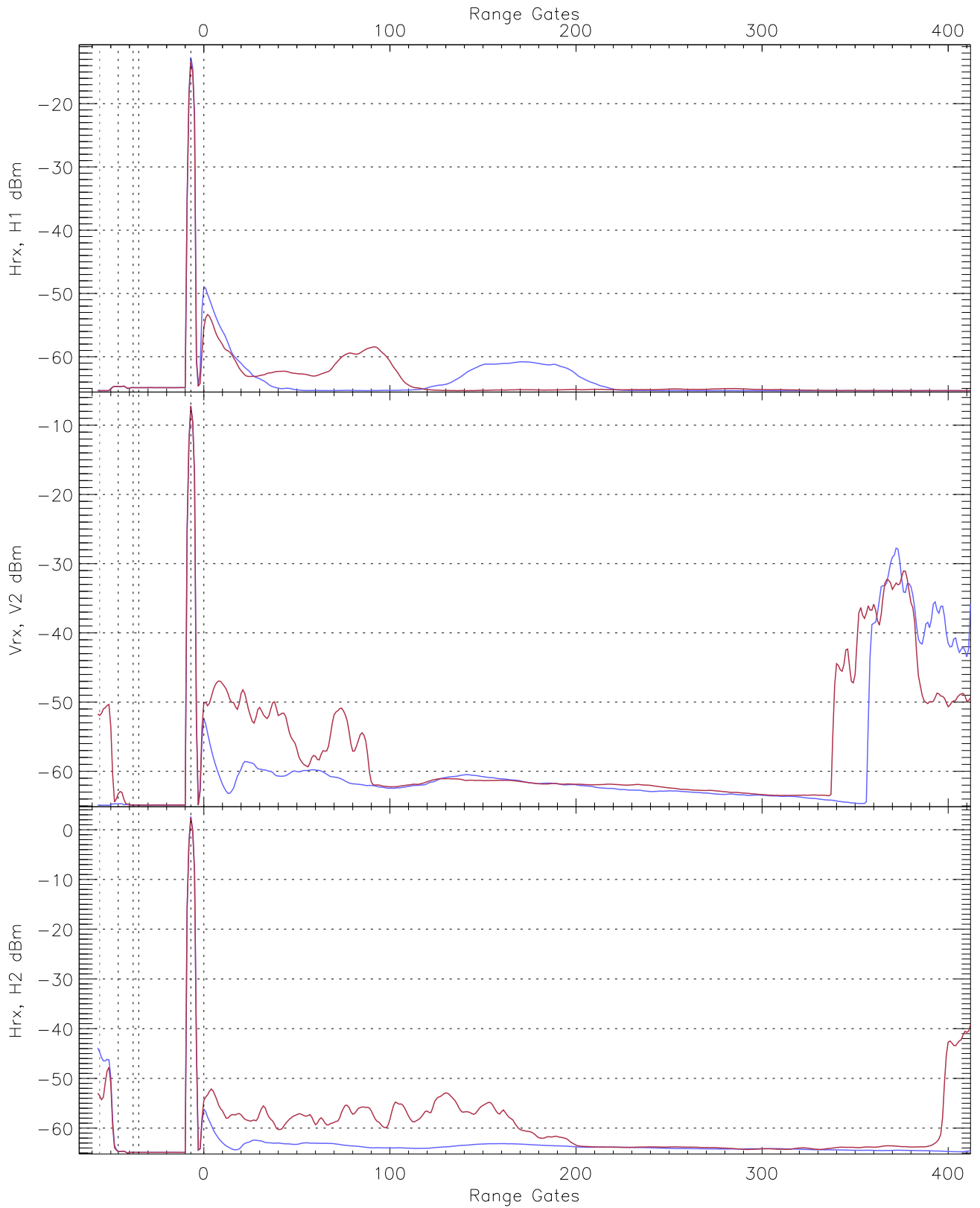
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.58 | -64.35 | -65.35 | -65.36 | -76.88 |
| Vrx, V2 (RM [dBm]) | -66.14 | -27.19 | -54.73 | -64.87 | -42.84 |
| Hrx, H2 (RM [dBm]) | -65.92 | -27.02 | -47.20 | -64.62 | -39.33 |

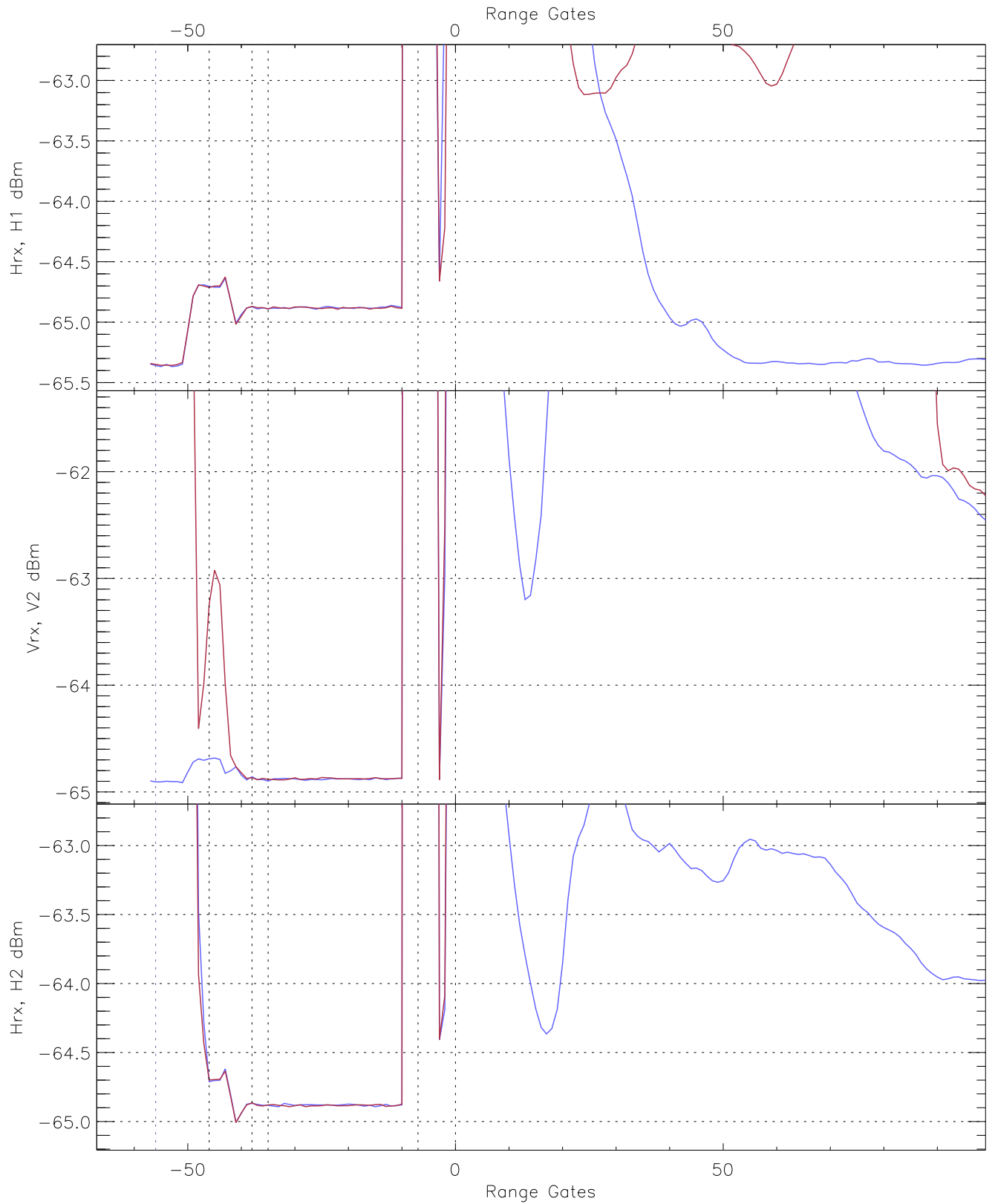


WCR3 CPP "Best" estimate Receivers Noise Power

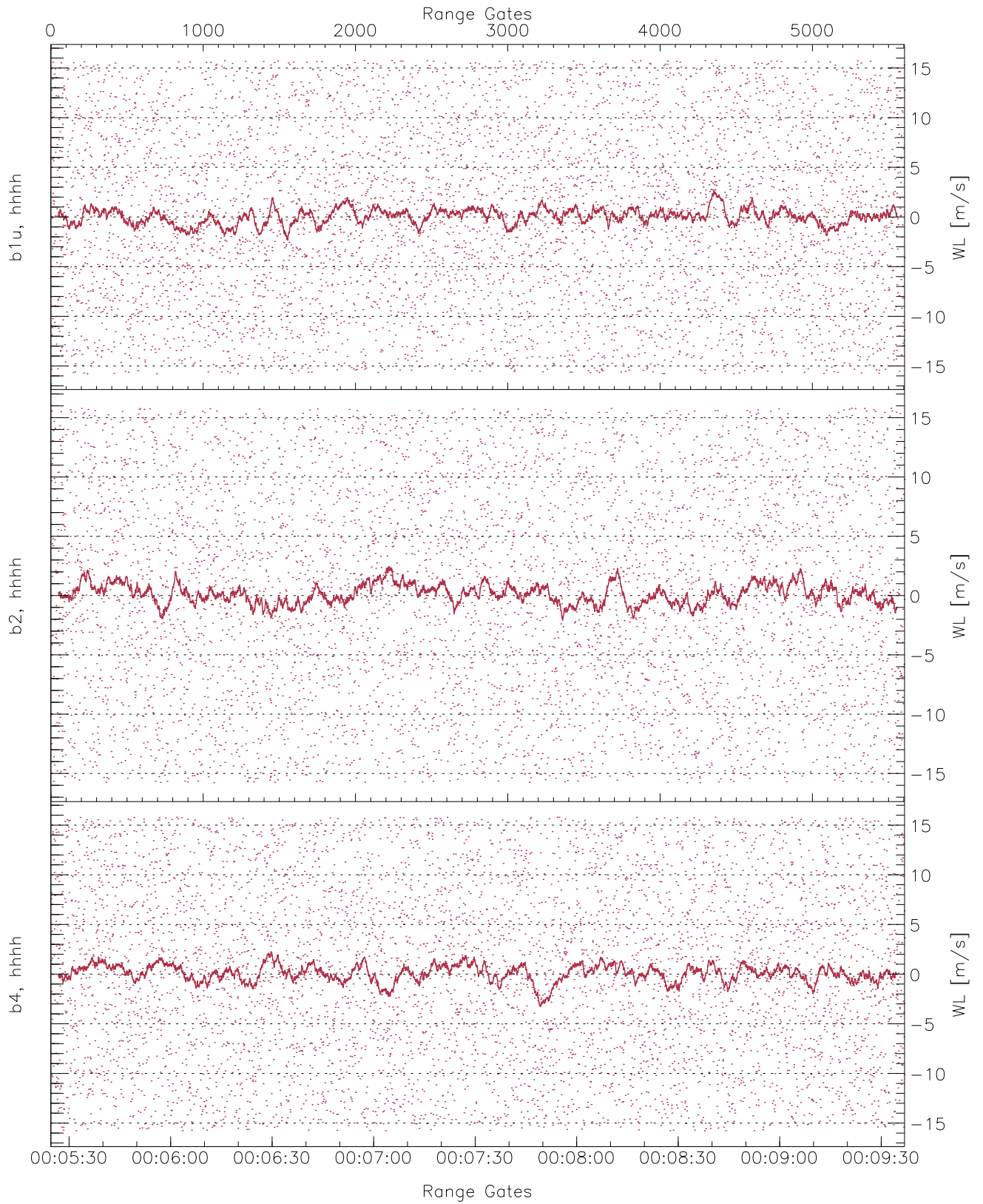
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG369_0 [dBm] | -66.77 | -64.29 | -65.36 | -65.37 | -76.87 |
| V2WL3_0 [dBm] | -66.03 | -63.78 | -64.89 | -64.90 | -76.38 |
| H1WL3_0 [dBm] | -66.10 | -63.82 | -64.89 | -64.90 | -76.37 |



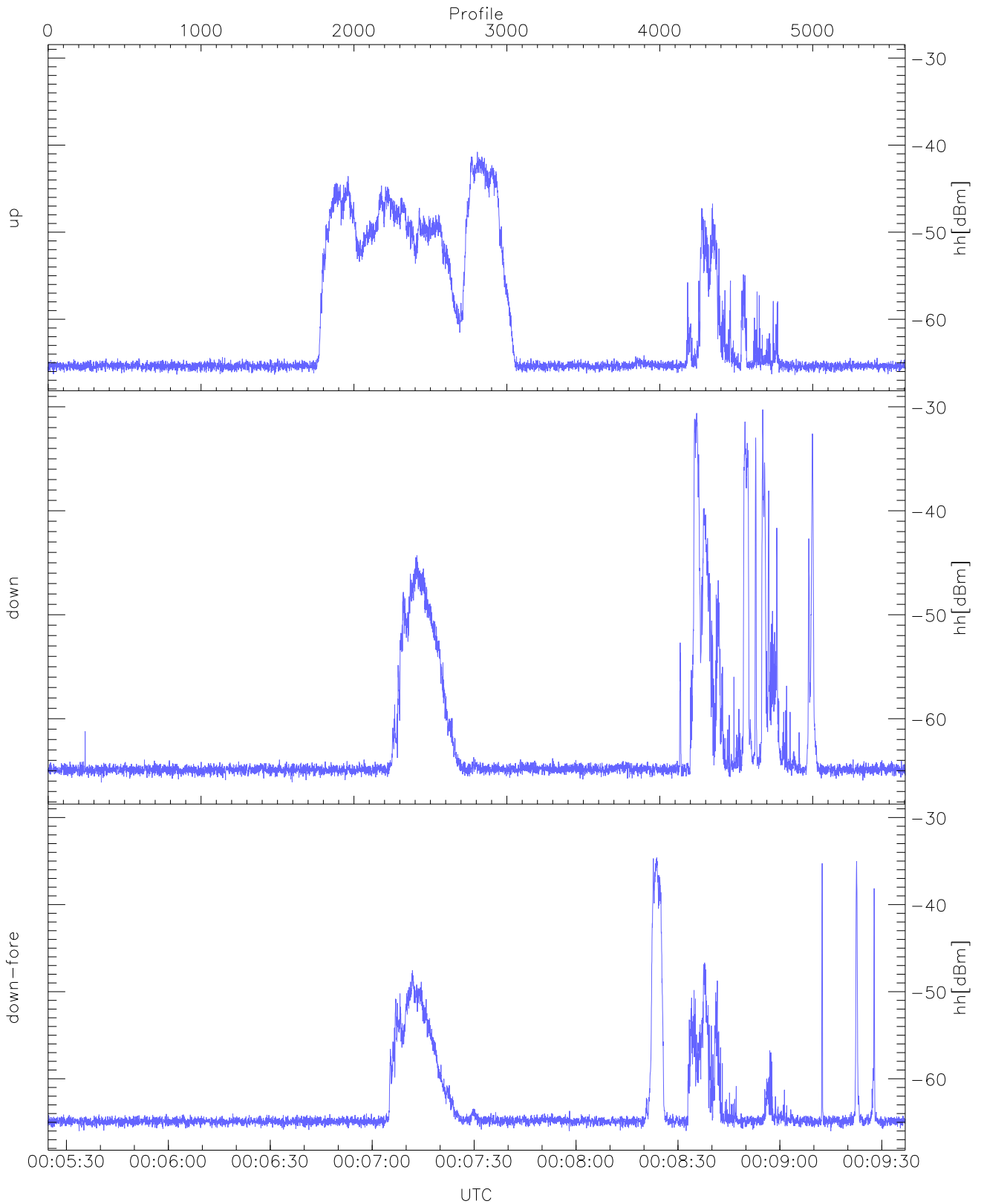
WCR3 CPP Averaged Received power for all recorded gates
blue: 000525-000731, 2804 profiles averaged
red: 000731-000937, 2803 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 000525-000731, 2804 profiles averaged
red: 000731-000937, 2803 profiles averaged

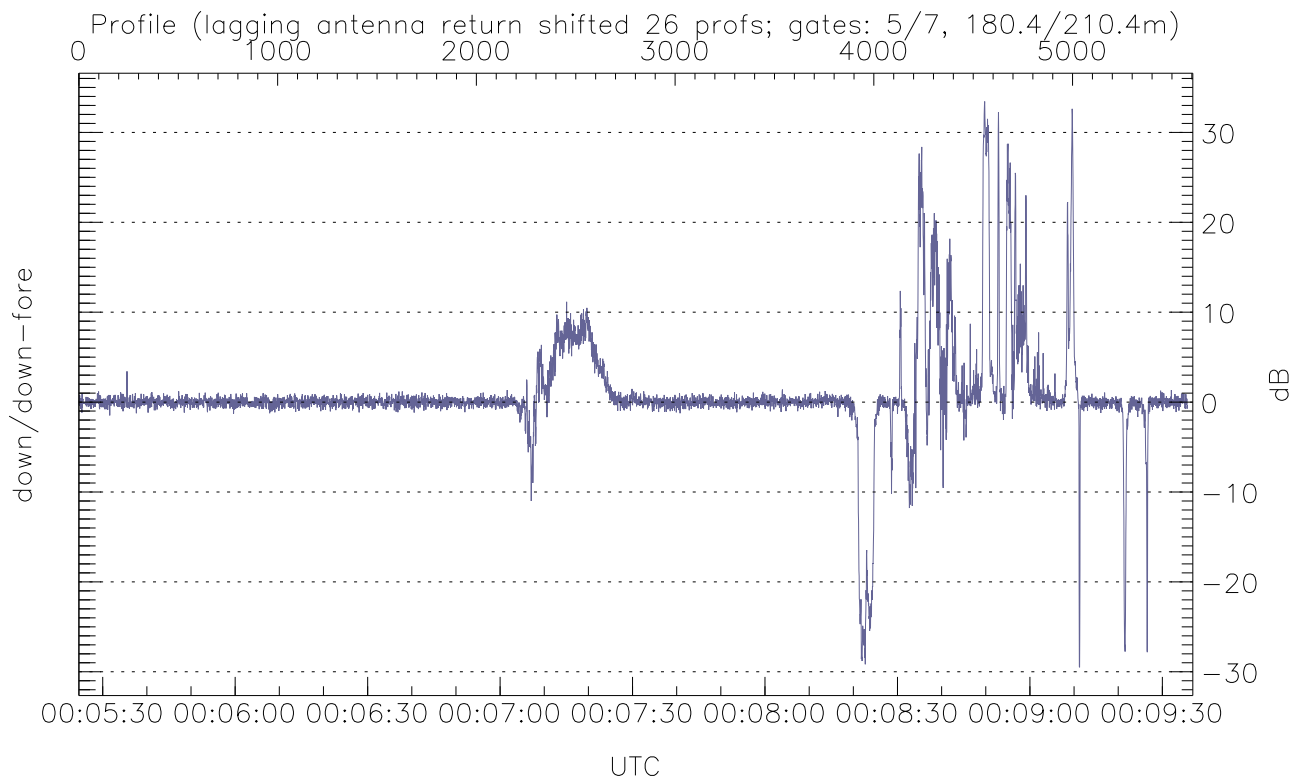
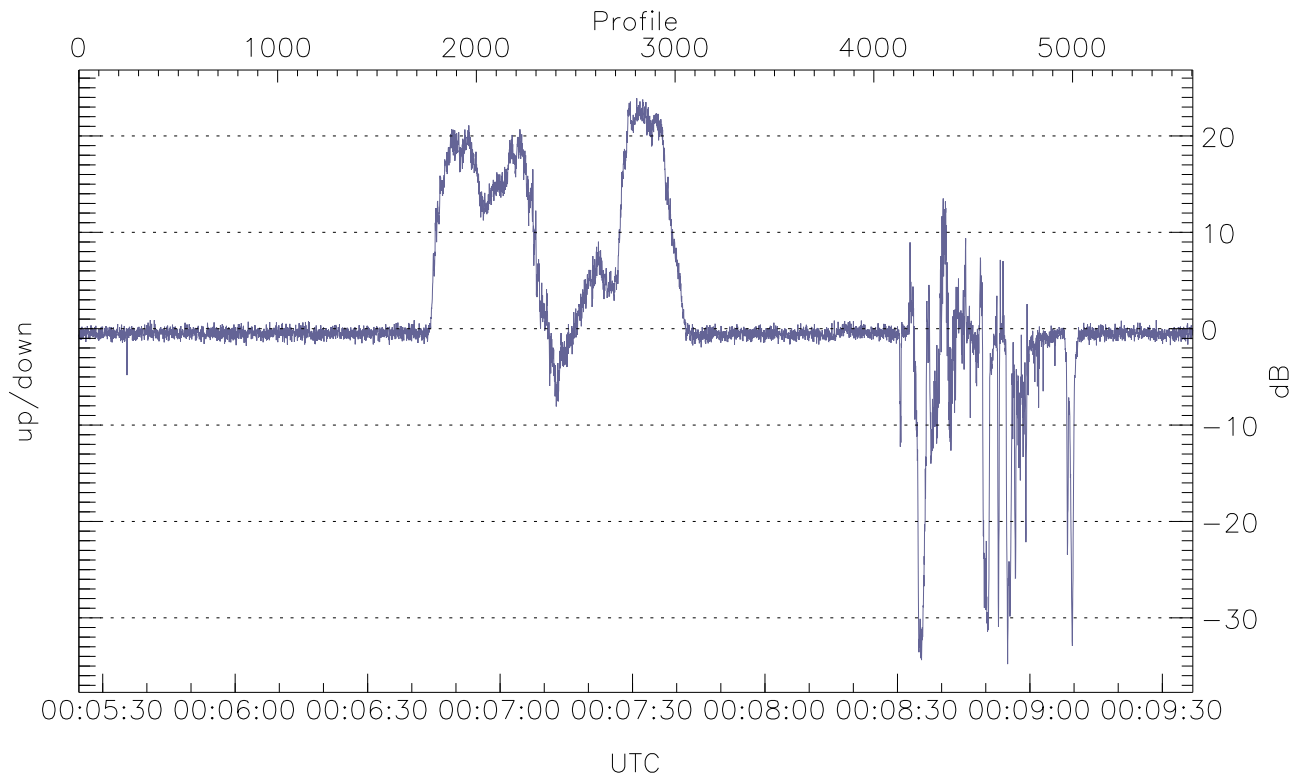


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



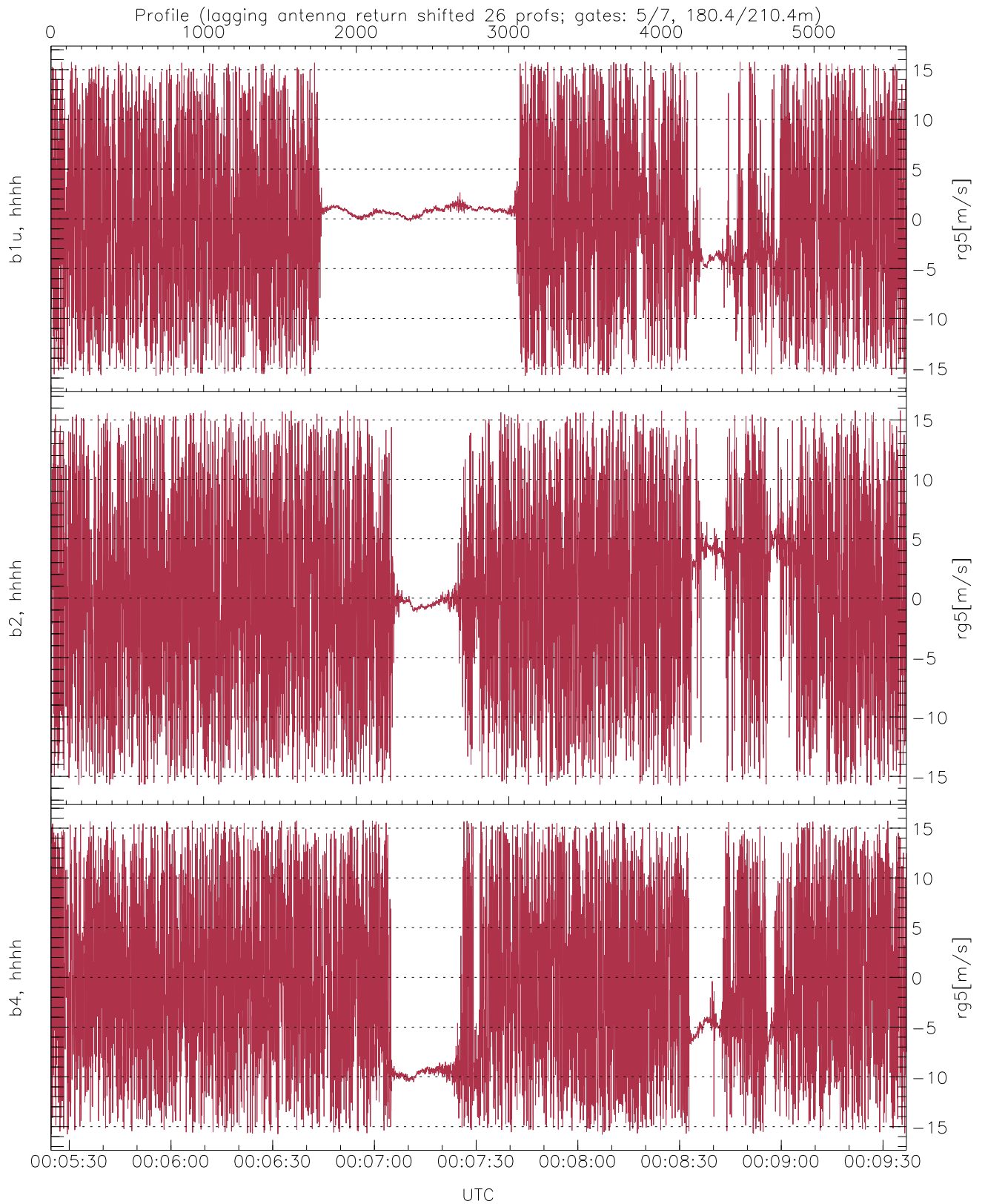
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -66.40 | -40.78 | -53.61 |
| down(hh[dBm]) | -66.13 | -30.26 | -50.86 |
| down-fore(hh[dBm]) | -66.02 | -34.59 | -54.87 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -34.79 | 23.91 | 1.38 |
| down/down-fore (dB) | -29.50 | 33.44 | 0.81 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.78 | 15.79 | -0.35 | 7.33 |
| b2, hhhh(rg5[m/s]) | -15.78 | 15.79 | 0.22 | 7.85 |
| b4, hhhh(rg5[m/s]) | -15.79 | 15.79 | -1.30 | 8.53 |