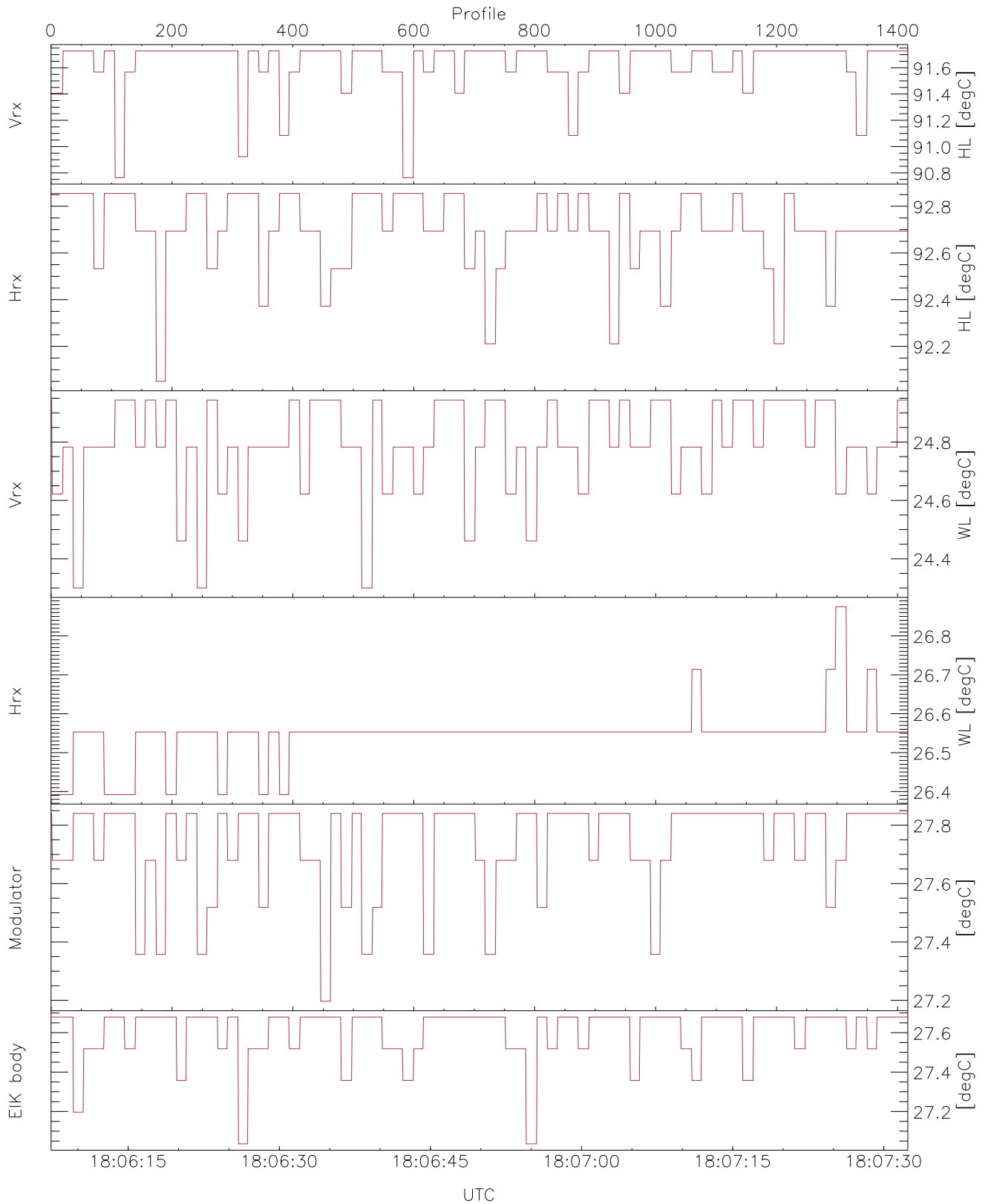


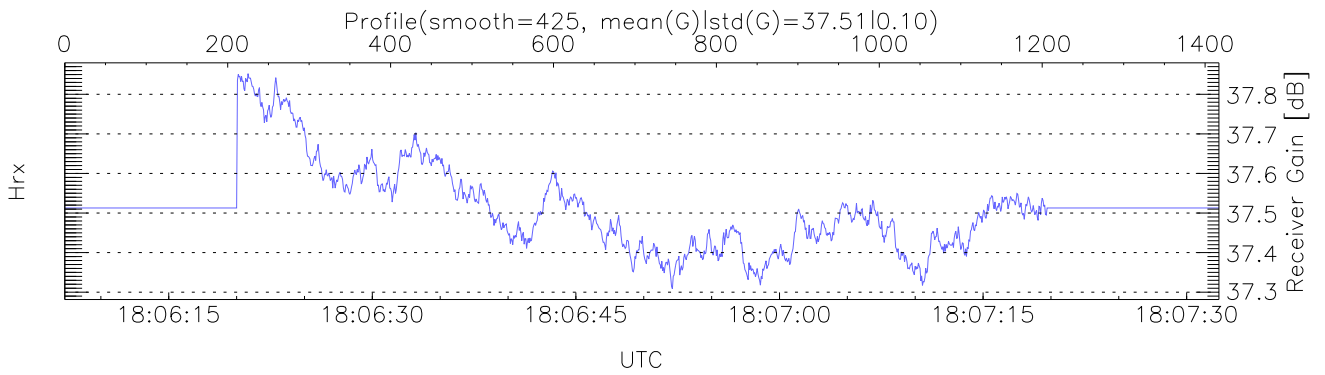
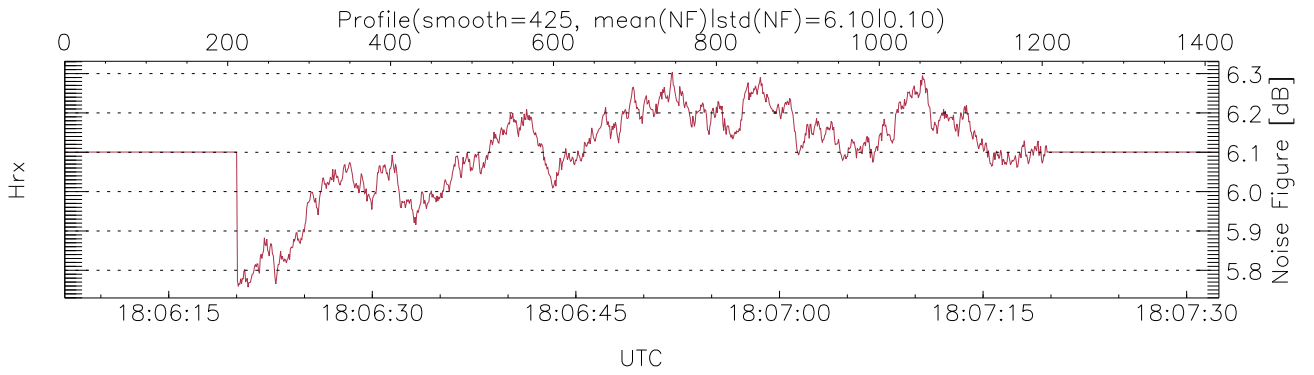
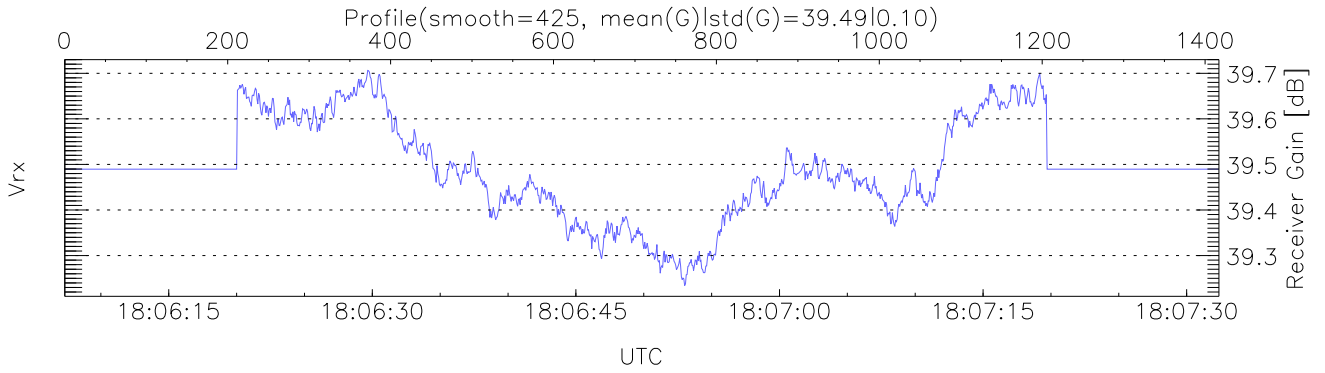
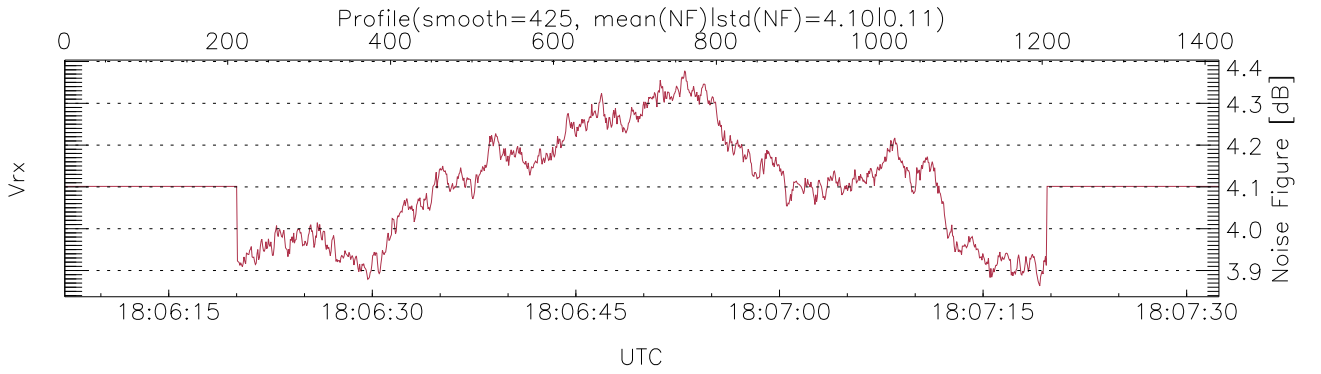
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:06:07-18:07:32, TimeCor: 0.00s, Dur: 85.04s
 TimeFlg: 1, TFPstatus constant.
 TimeInt/PPS(min,max,mn,std): 60.0,60.0,60.0,0.0 ms / 16.7,16.7,16.7
 NumRec(r/t): 1418/1418, 0-1417/18:06:07-18:07:32
 AcqTime: 60.0ms, Rate: 0.341MB/s, Averages (req.,actual): 200,200
 Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 V2 V2 H2 H2
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rgs): 94, 3598, 7.5 m, Gates: 468, Aspect: 1.4
 Mirror(-910112,3,9x = no mirror/sideluplerror): 3



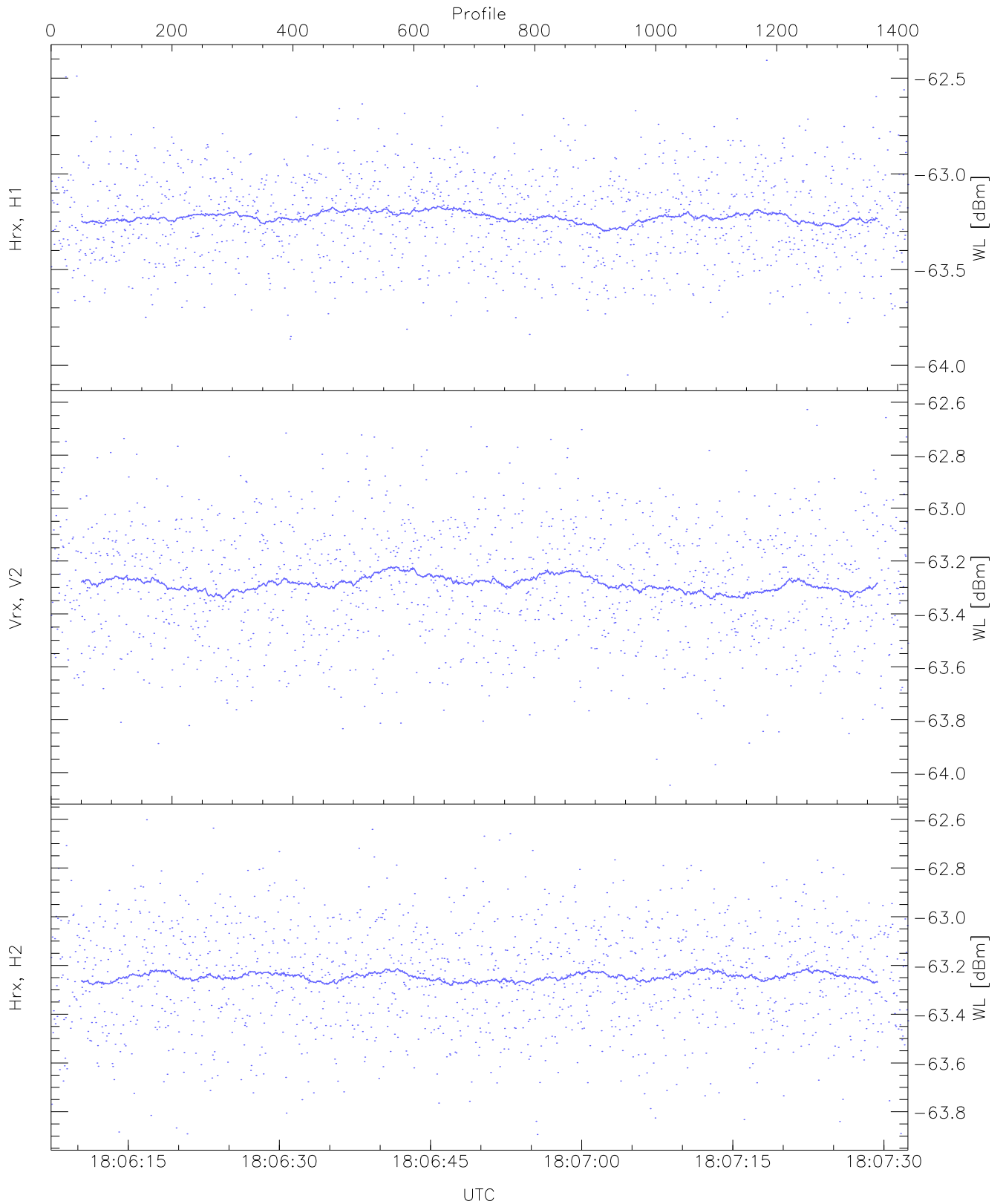
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,24,26,27,27`
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,24,26,27,27`
`LOalarm(20,240,2817,14861 MHz): 0,0,18,0`
`EIK/Modulator Faults: None`



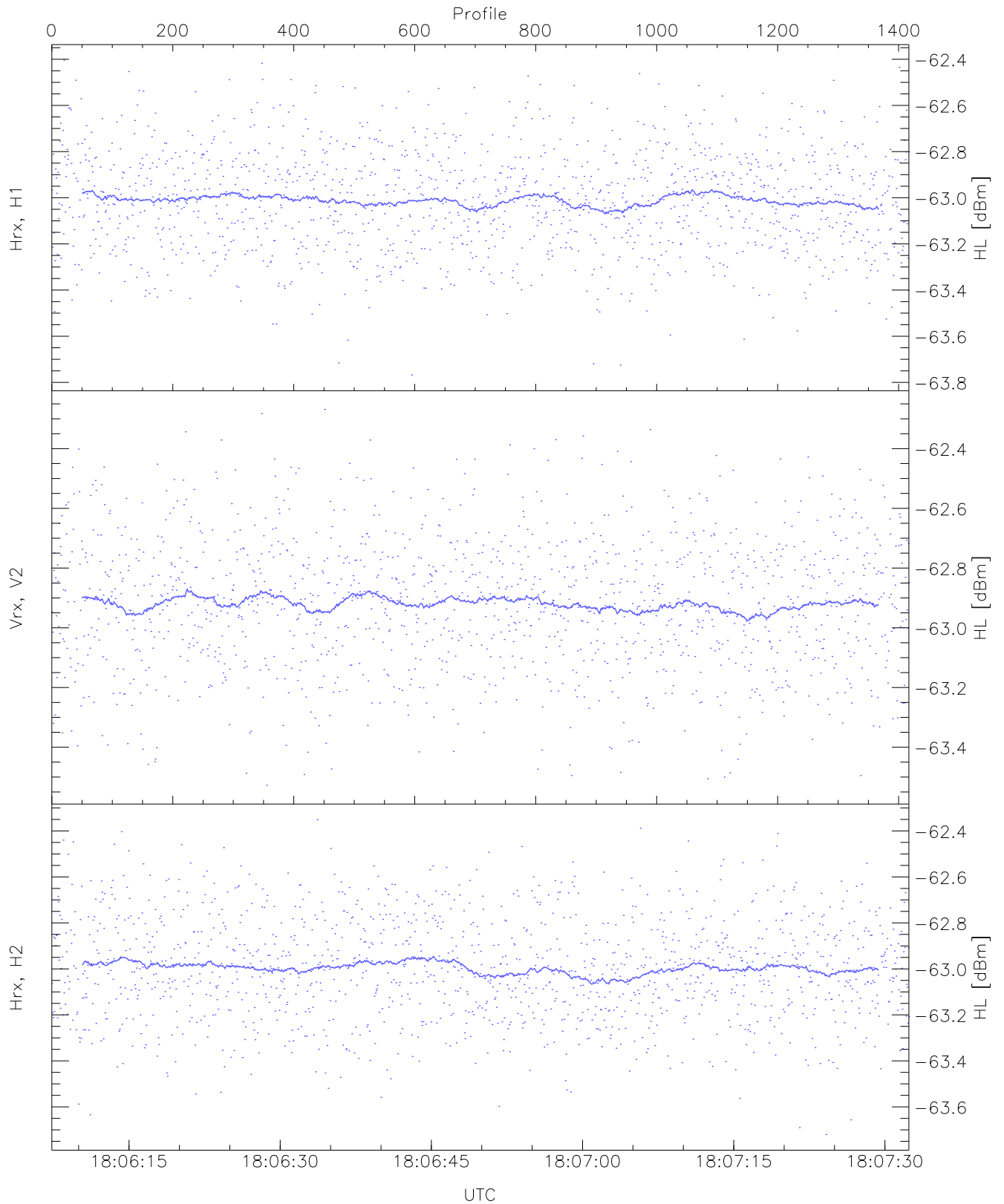
WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 10 pixs, 2 gates, 6 profs, 1 prod(s)



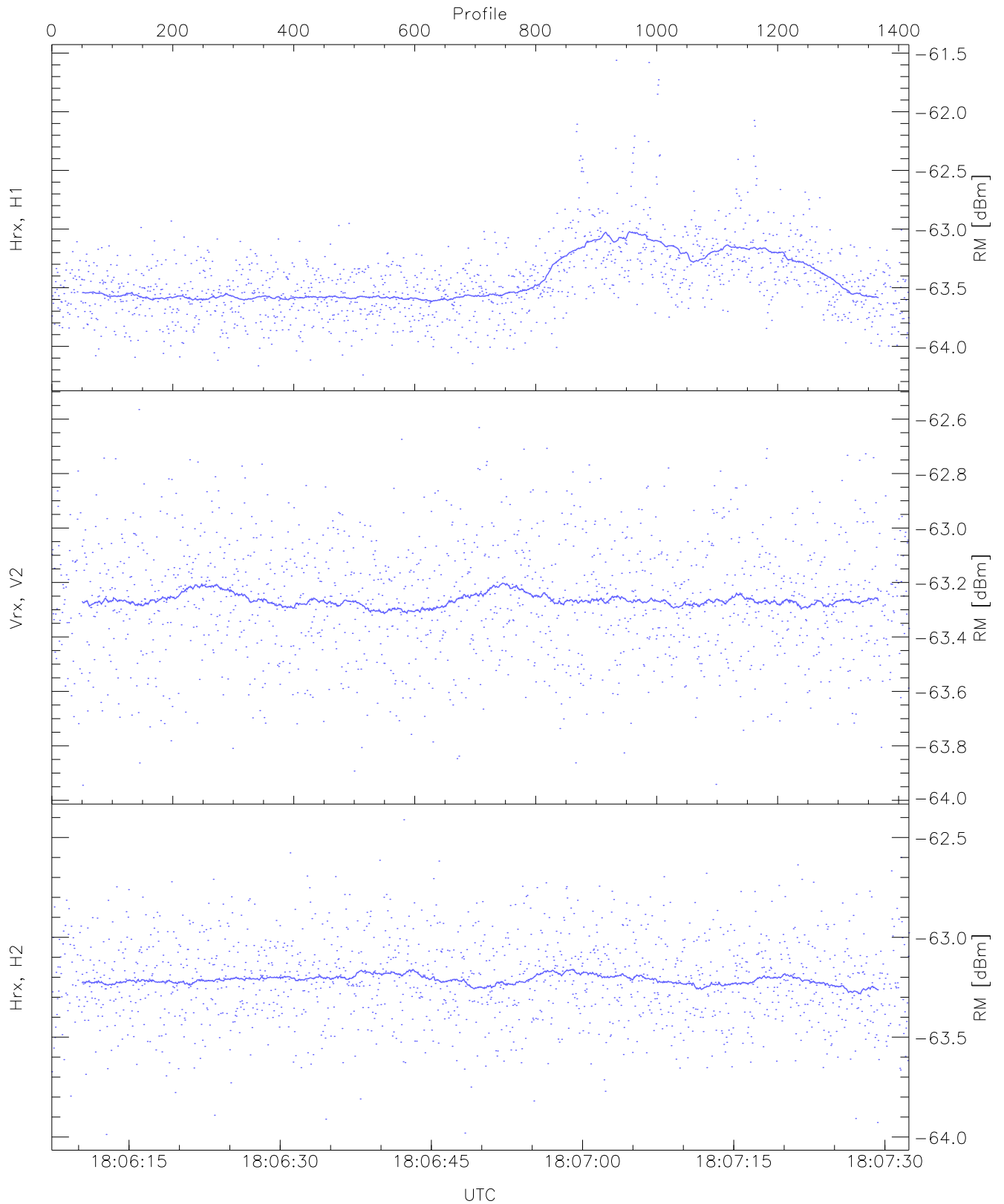
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -64.05 | -62.41 | -63.22 | -63.22 | -76.07 |
| Vrx, V2 (WL [dBm]) | -64.05 | -62.63 | -63.28 | -63.28 | -76.25 |
| Hrx, H2 (WL [dBm]) | -63.89 | -62.60 | -63.24 | -63.24 | -76.37 |



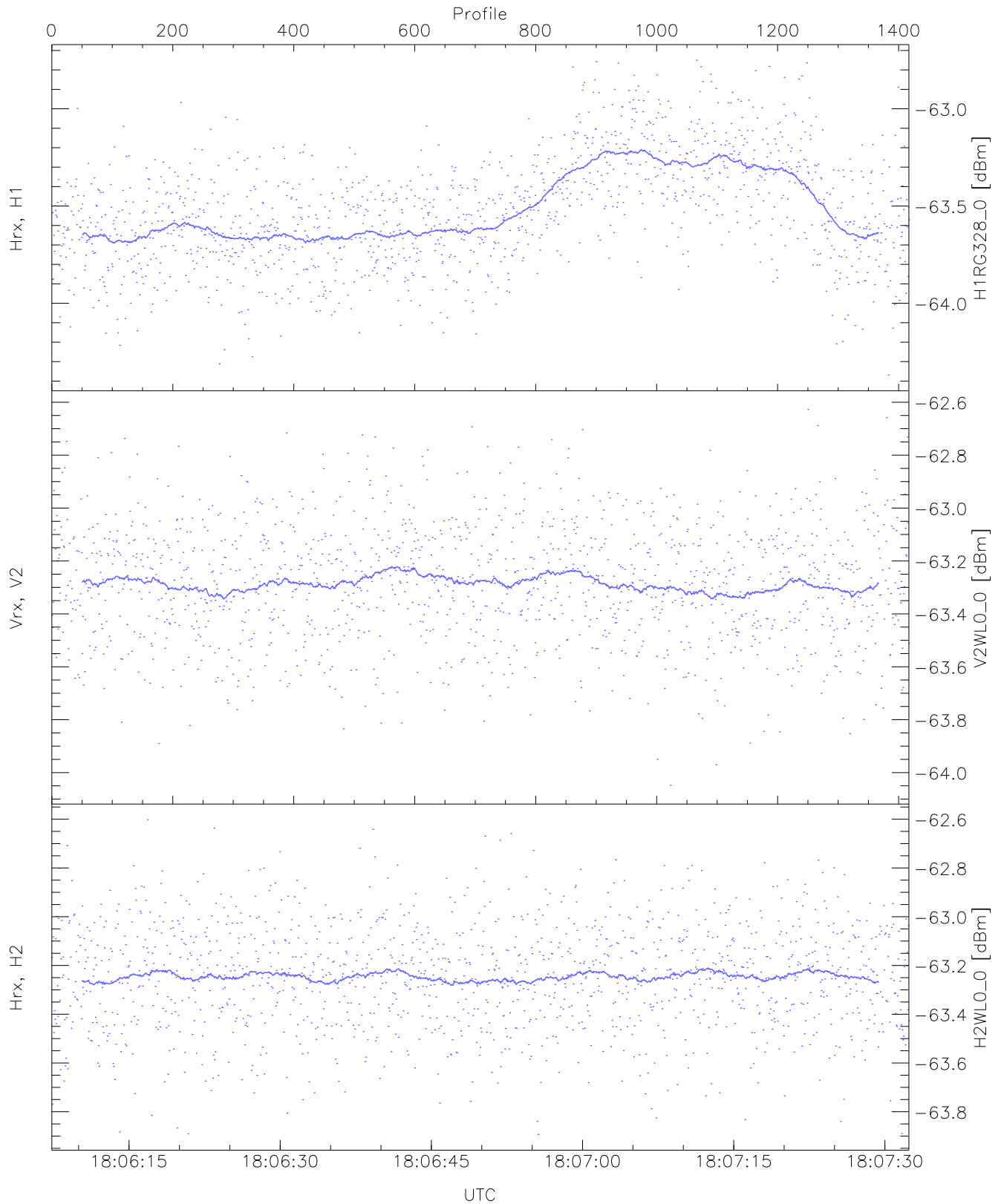
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.77 | -62.40 | -63.01 | -63.01 | -76.08 |
| Vrx, V2 (HL [dBm]) | -63.53 | -62.27 | -62.92 | -62.91 | -75.92 |
| Hrx, H2 (HL [dBm]) | -63.72 | -62.35 | -62.99 | -63.00 | -75.98 |



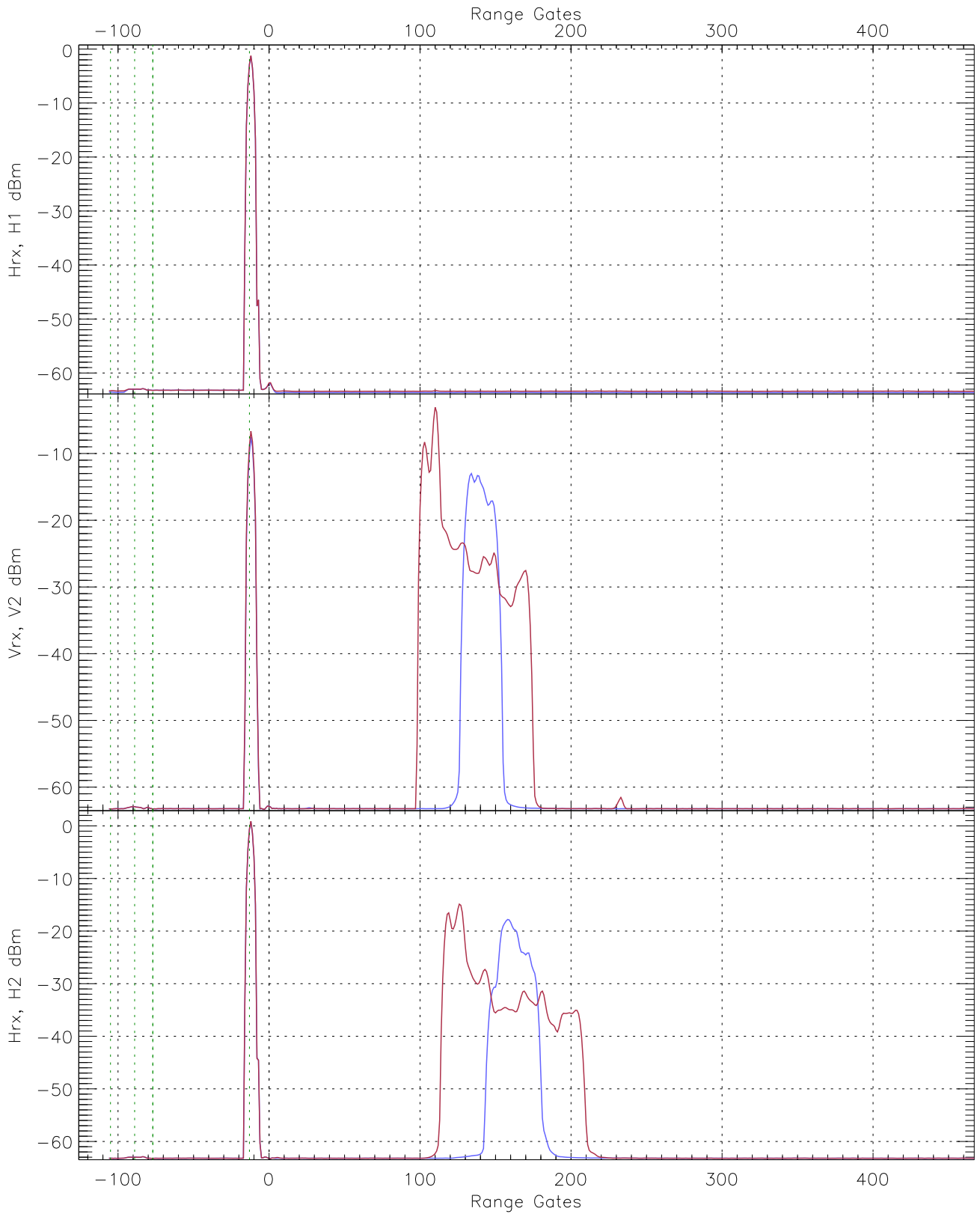
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.24 | -61.56 | -63.43 | -63.48 | -74.46 |
| Vrx, V2 (RM [dBm]) | -63.94 | -62.56 | -63.26 | -63.26 | -76.27 |
| Hrx, H2 (RM [dBm]) | -63.99 | -62.41 | -63.21 | -63.22 | -76.25 |

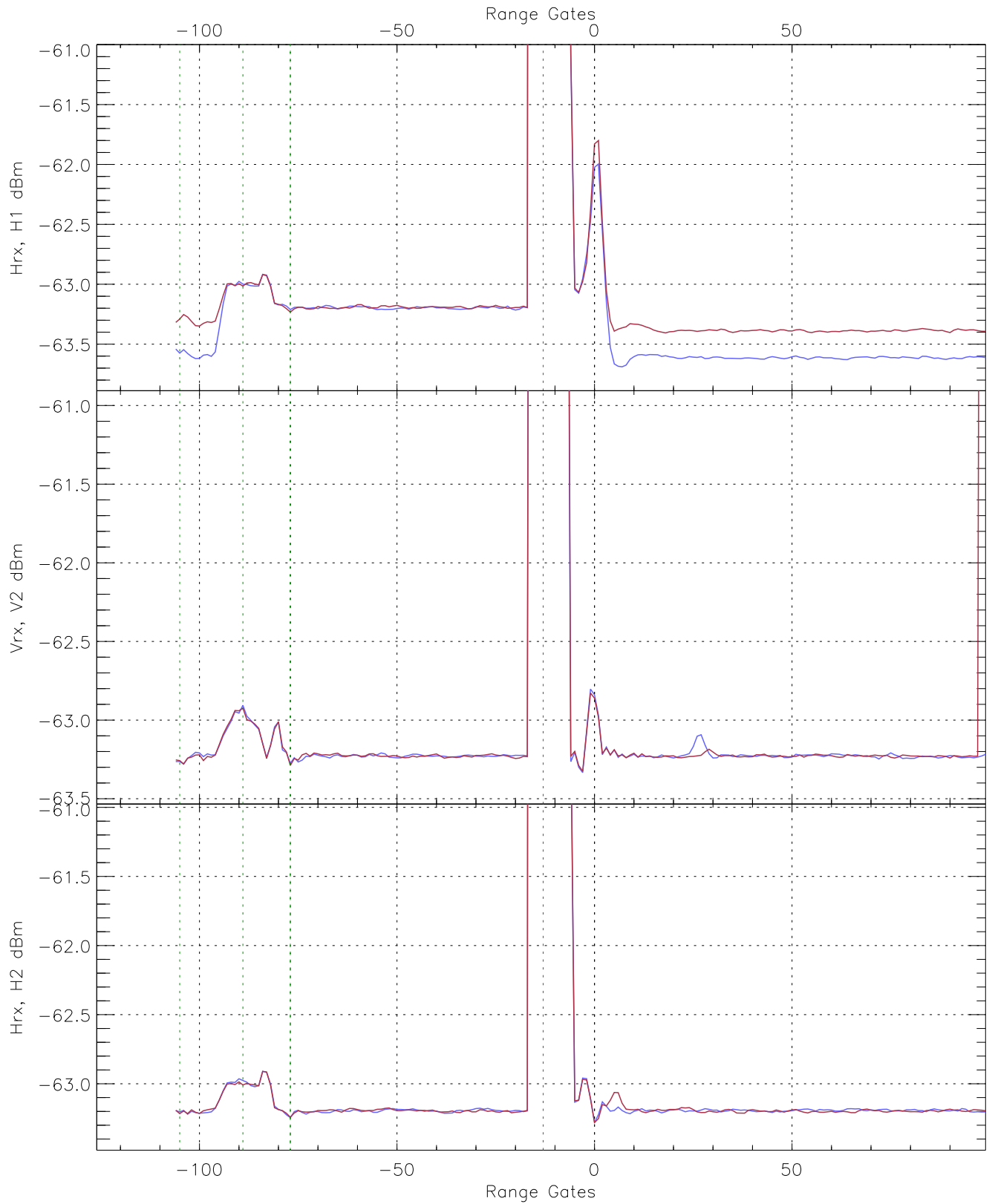


WCR3 CPP "Best" estimate Receivers Noise Power

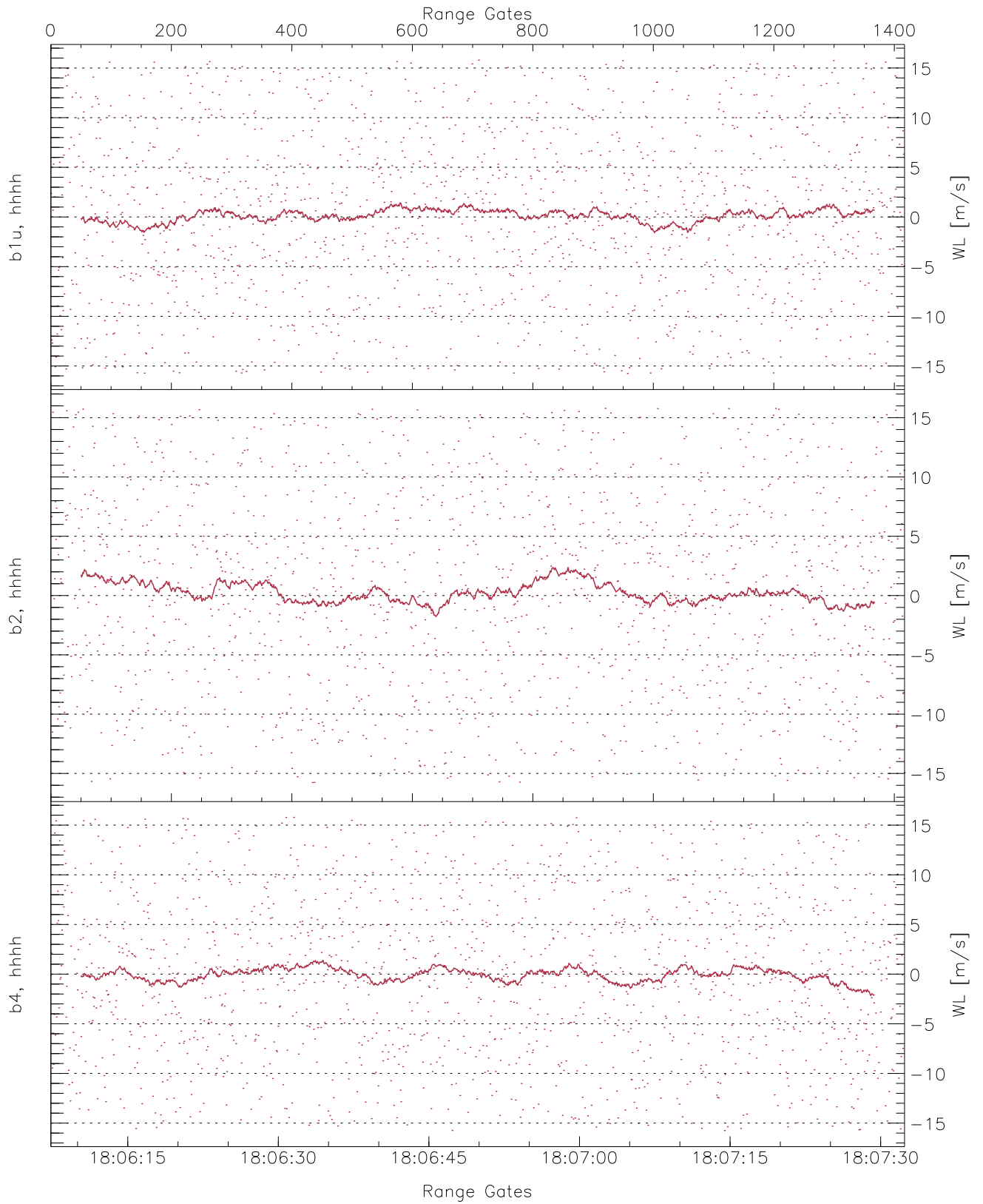
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG328_0 [dBm] | -64.37 | -62.75 | -63.51 | -63.53 | -75.44 |
| V2WL0_0 [dBm] | -64.05 | -62.63 | -63.28 | -63.28 | -76.25 |
| H2WL0_0 [dBm] | -63.89 | -62.60 | -63.24 | -63.24 | -76.37 |



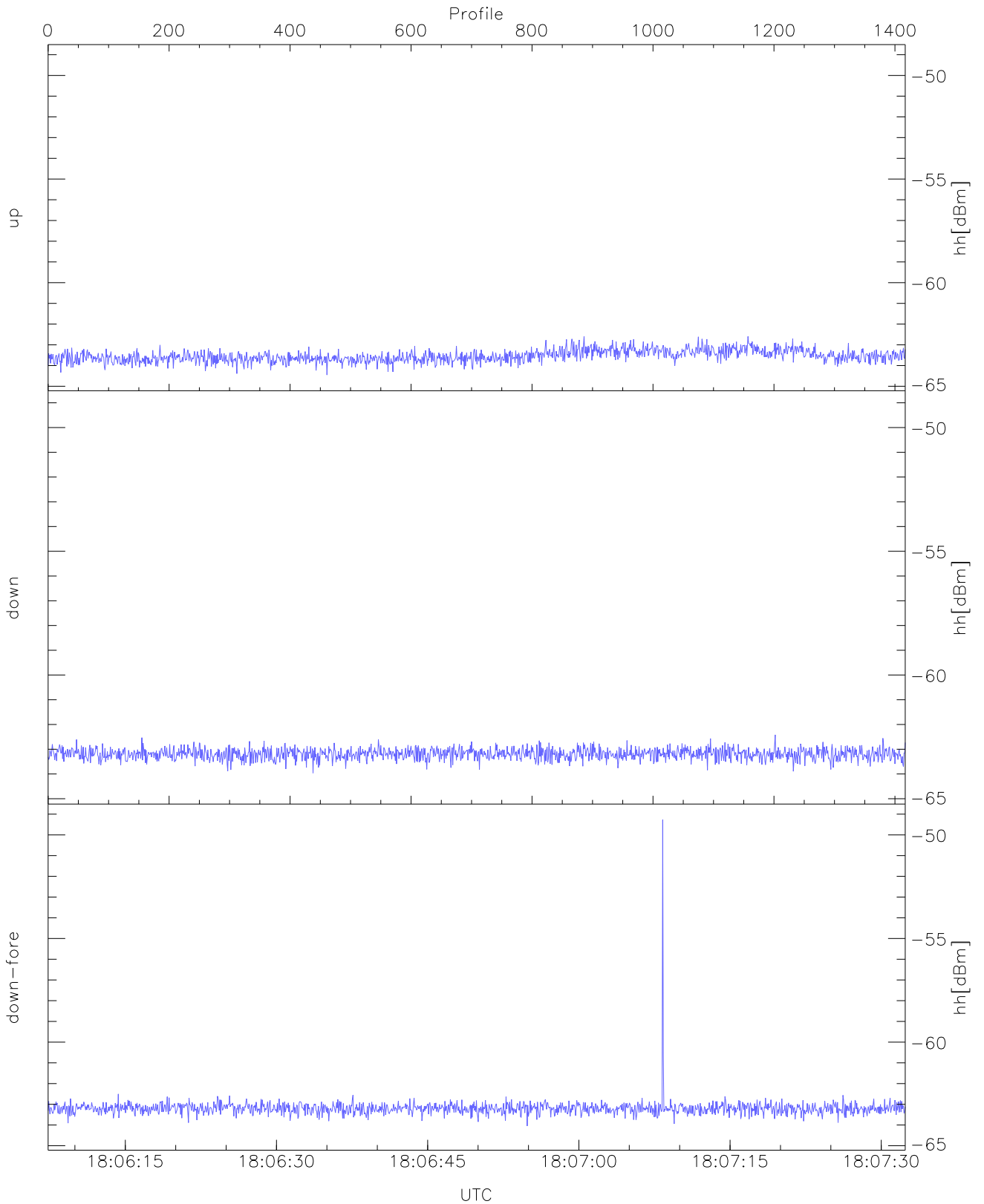
WCR3 CPP Averaged Received power for all recorded gates
blue: 180607-180650, 710 profiles averaged
red: 180650-180732, 709 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 180607-180650, 710 profiles averaged
red: 180650-180732, 709 profiles averaged

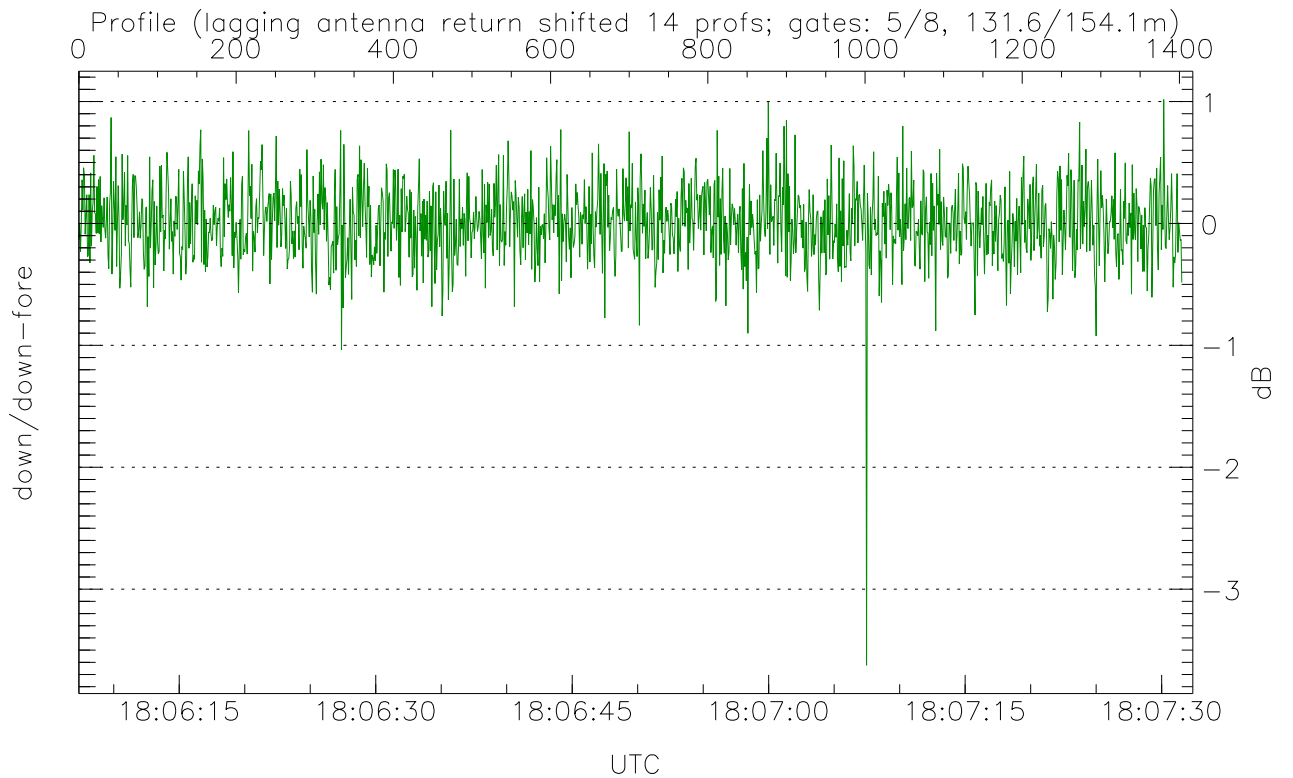
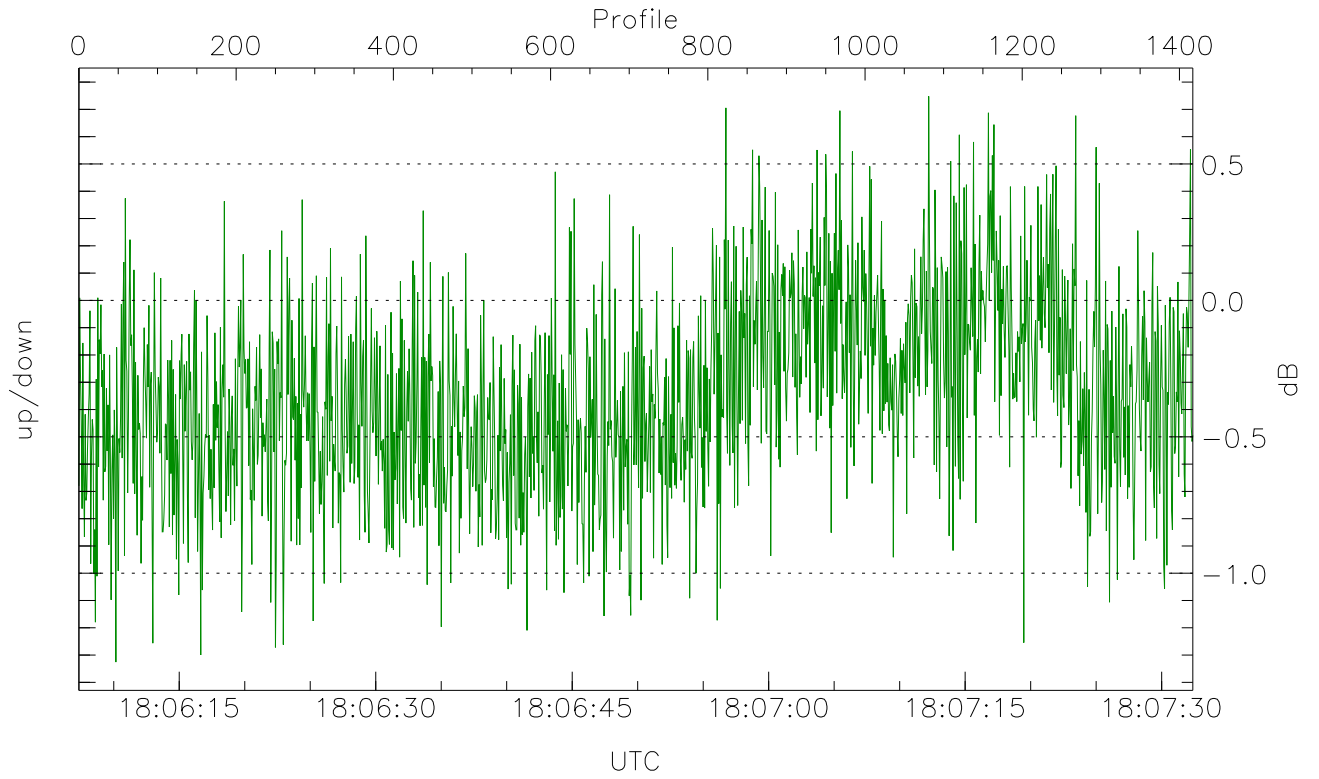


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



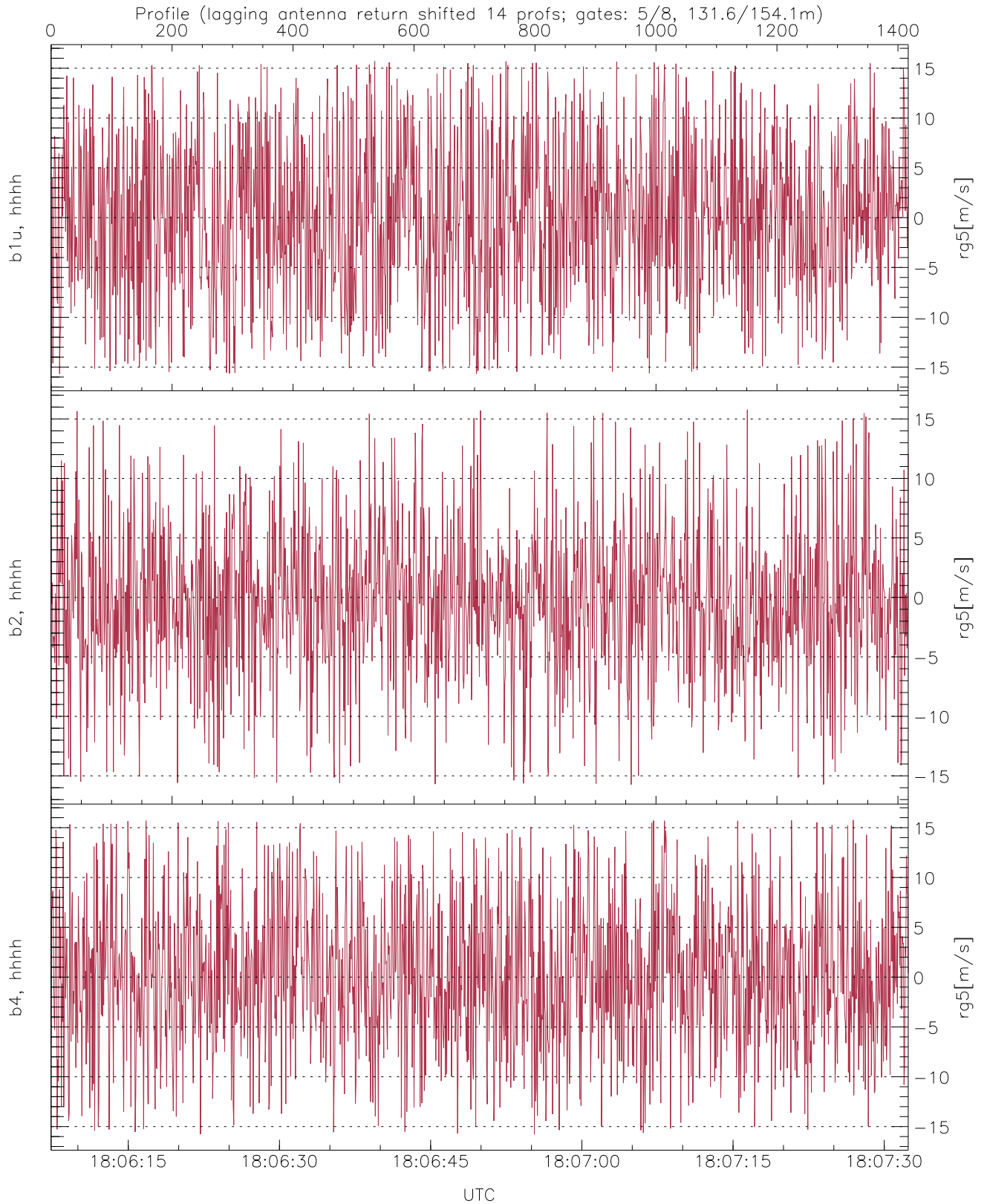
WCR3 CPP Received Power Products for Range gate 5 (131.6 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.46 | -62.59 | -63.53 |
| down(hh[dBm]) | -63.96 | -62.42 | -63.19 |
| down-fore(hh[dBm]) | -64.05 | -49.27 | -63.13 |



WCR3 Beam pairs Received Power Ratio(s); RangeGate: 5 (131 m)

| | Min | Max | Mean |
|---------------------|-------|------|-------|
| up/down (dB) | -1.33 | 0.75 | -0.34 |
| down/down-fore (dB) | -3.62 | 1.02 | 0.01 |



WCR3 CPP Doppler Velocity Products at 131.6 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.67 | 15.71 | -0.04 | 7.78 |
| b2, hhhh(rg5[m/s]) | -15.74 | 15.78 | -0.40 | 6.25 |
| b4, hhhh(rg5[m/s]) | -15.77 | 15.77 | 0.07 | 7.26 |