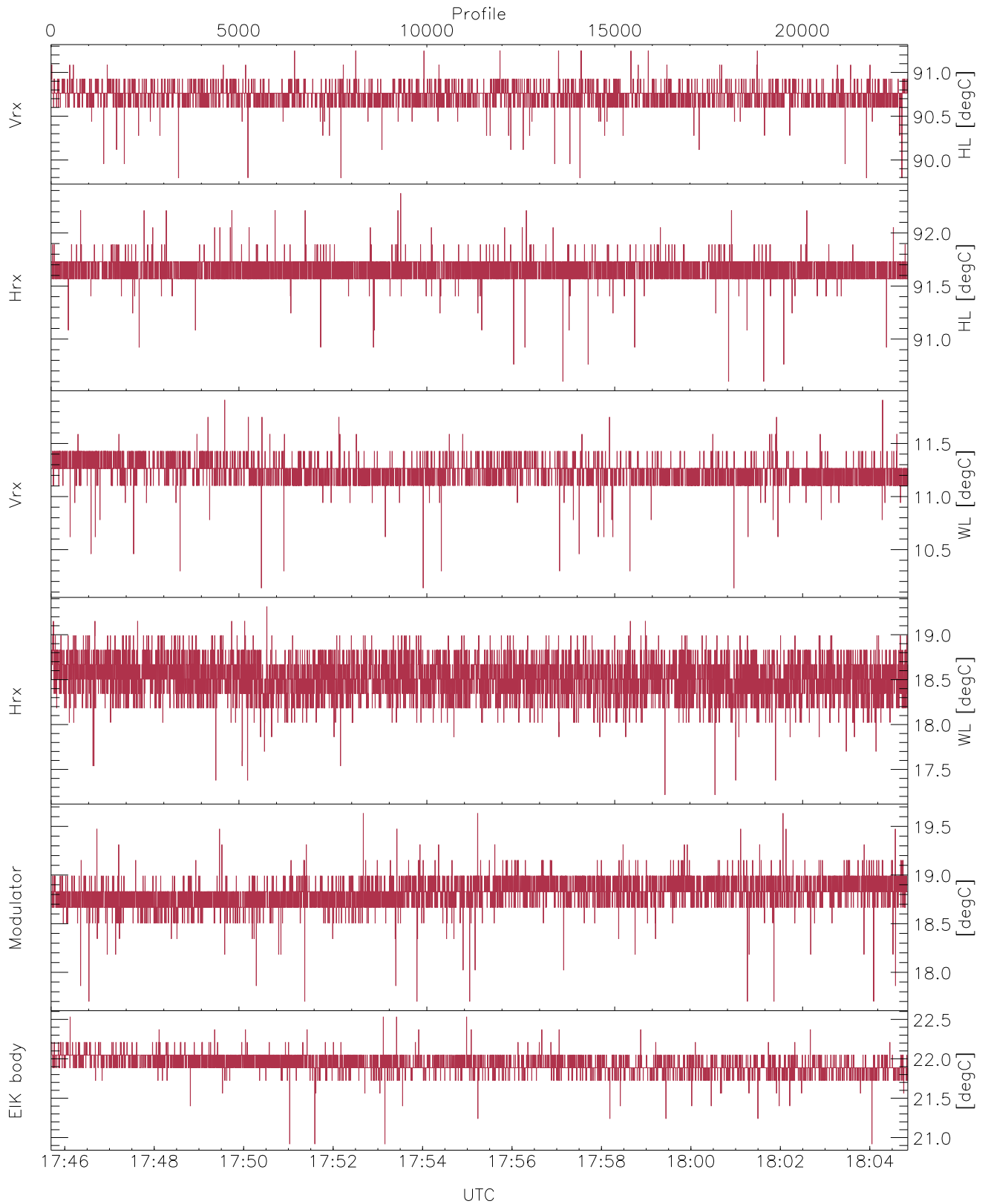


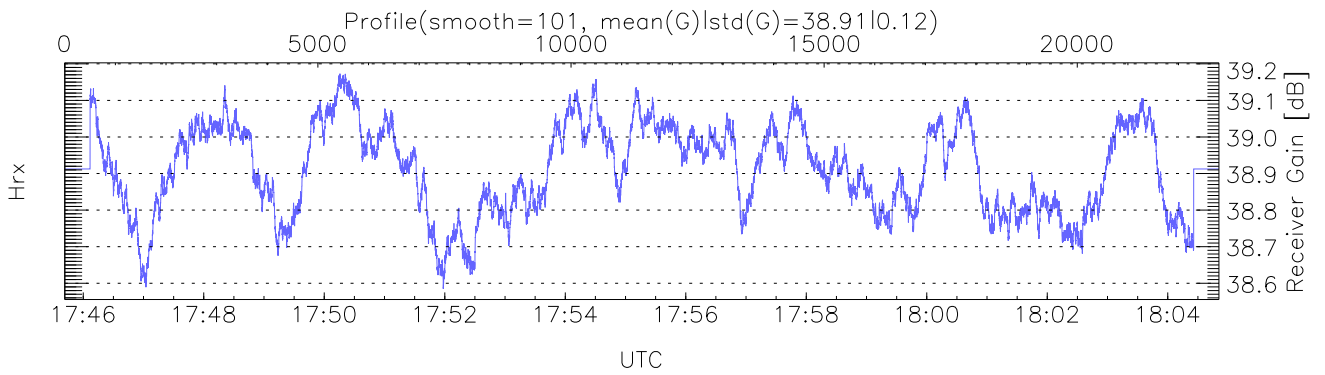
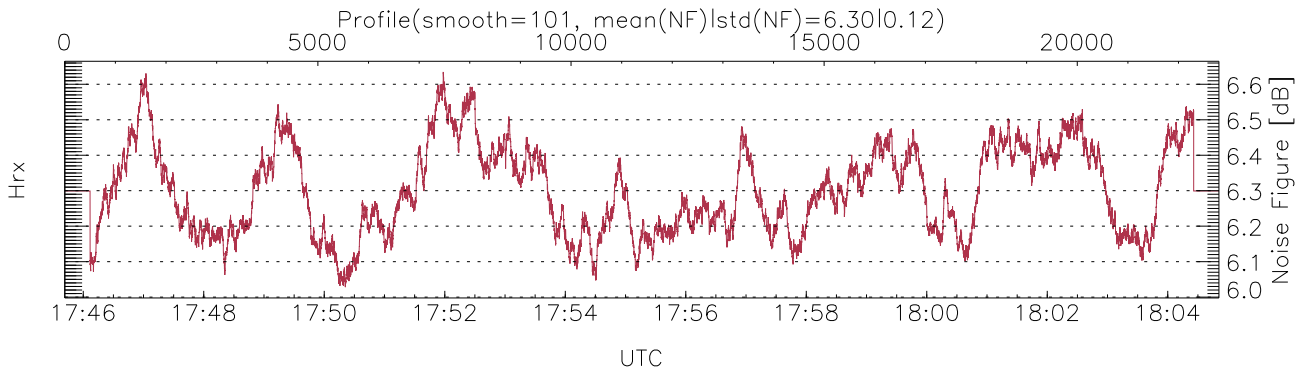
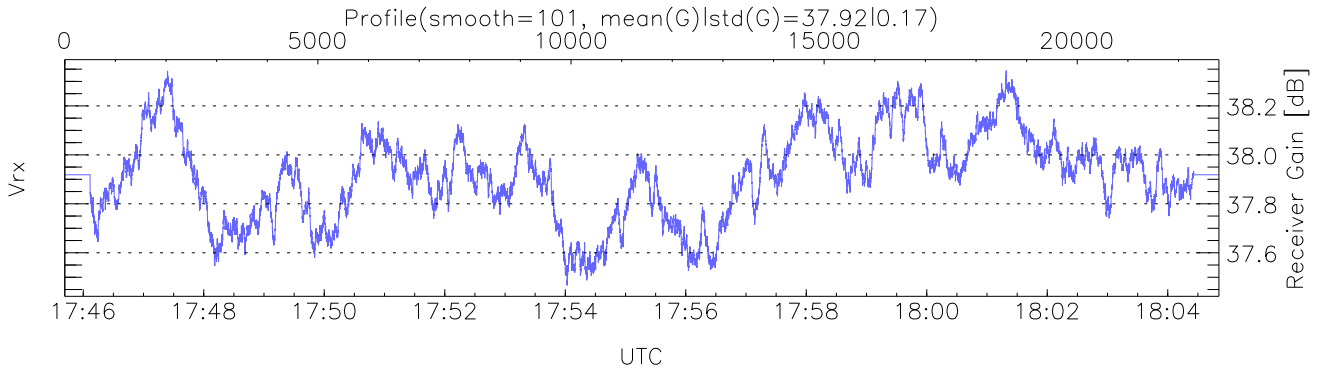
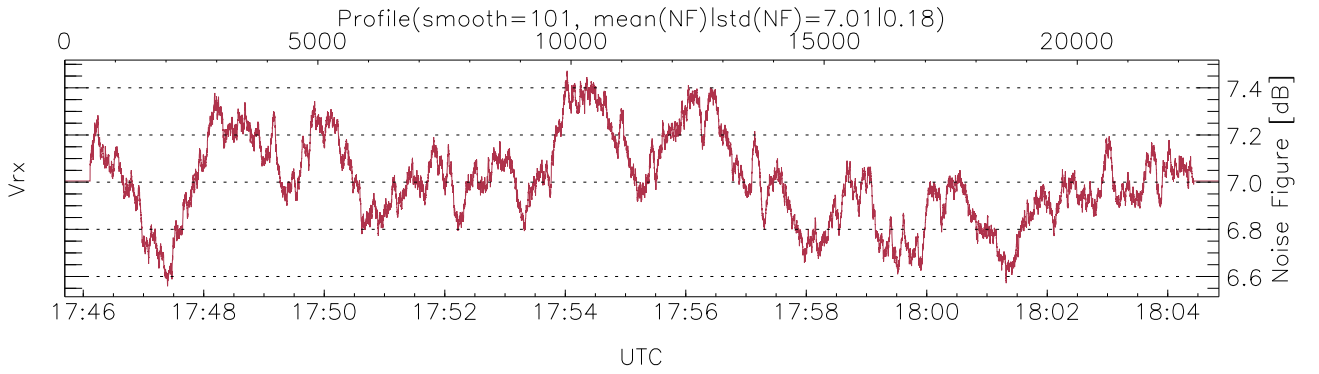
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:45:42-18:10:54, Dur: 1512.18s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
 NumRec(r/t): 22800/29997, 0-22799/17:45:42-18:04:51
 AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
 Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



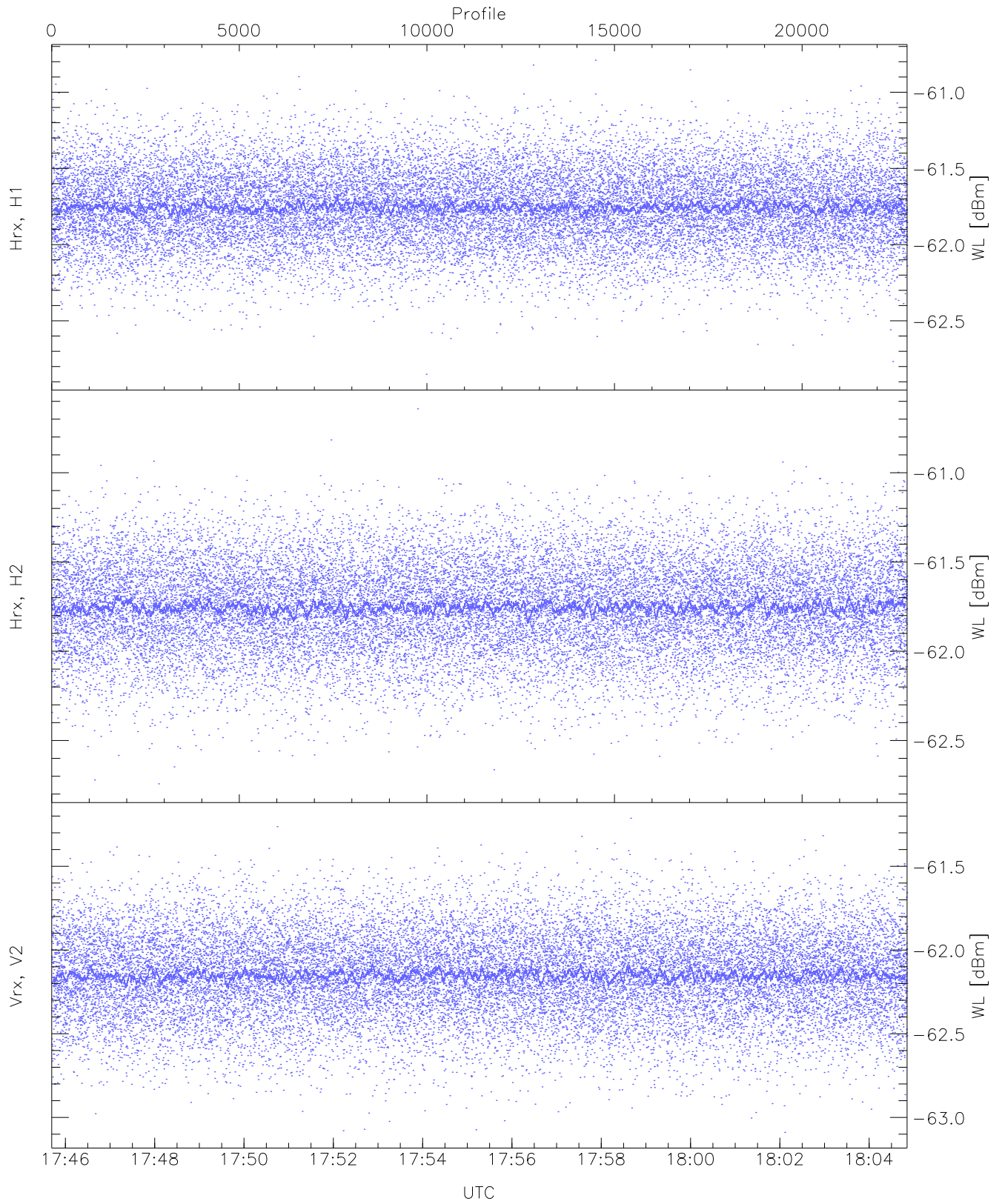
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 89,90,10,17,17,20`
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,11,19,19,22`
`LOalarm(20,80,240,2.8,14.8 MHz): None`
`EIK Faults(# prof affected):`
`DeckT,CollT,BodyCurr,DeckF,OverDuty (17,17,17,17,17)`



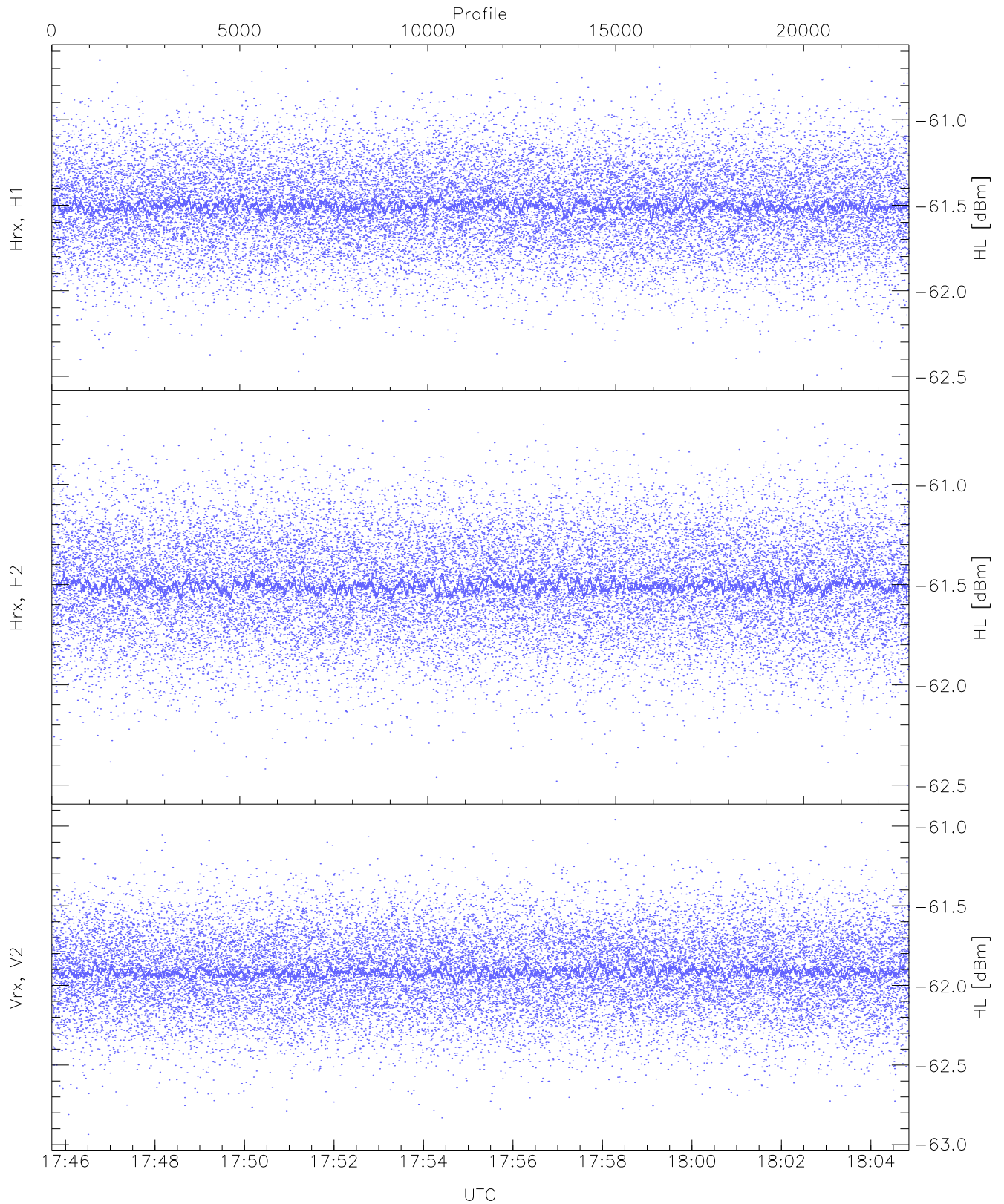
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 5639 pixs, 12 gates, 5360 profs, 1 prods



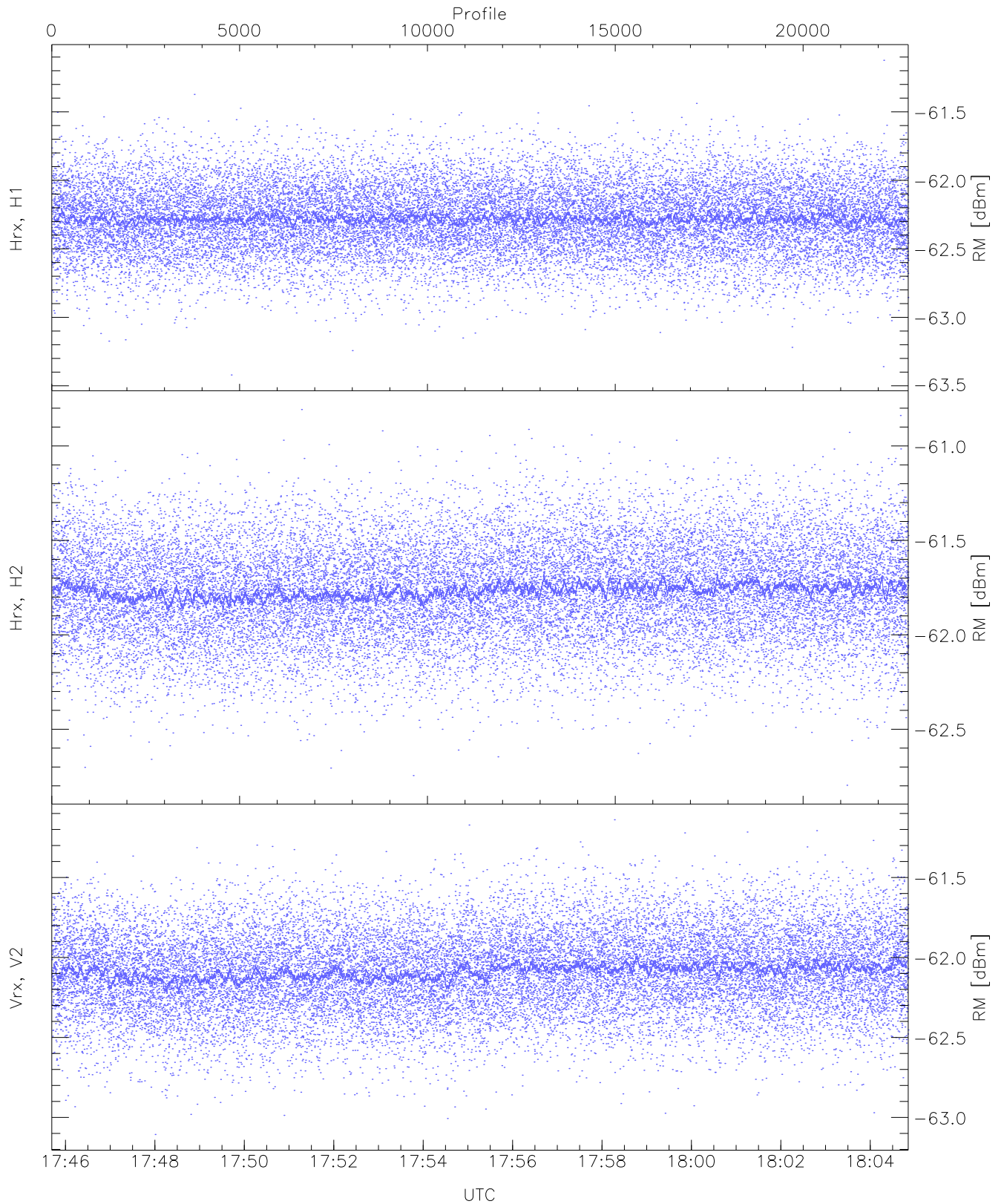
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -62.85 | -60.79 | -61.75 | -61.76 | -74.34 |
| Hrx, H2(WL [dBm]) | -62.74 | -60.64 | -61.75 | -61.75 | -74.29 |
| Vrx, V2(WL [dBm]) | -63.09 | -61.21 | -62.15 | -62.15 | -74.72 |



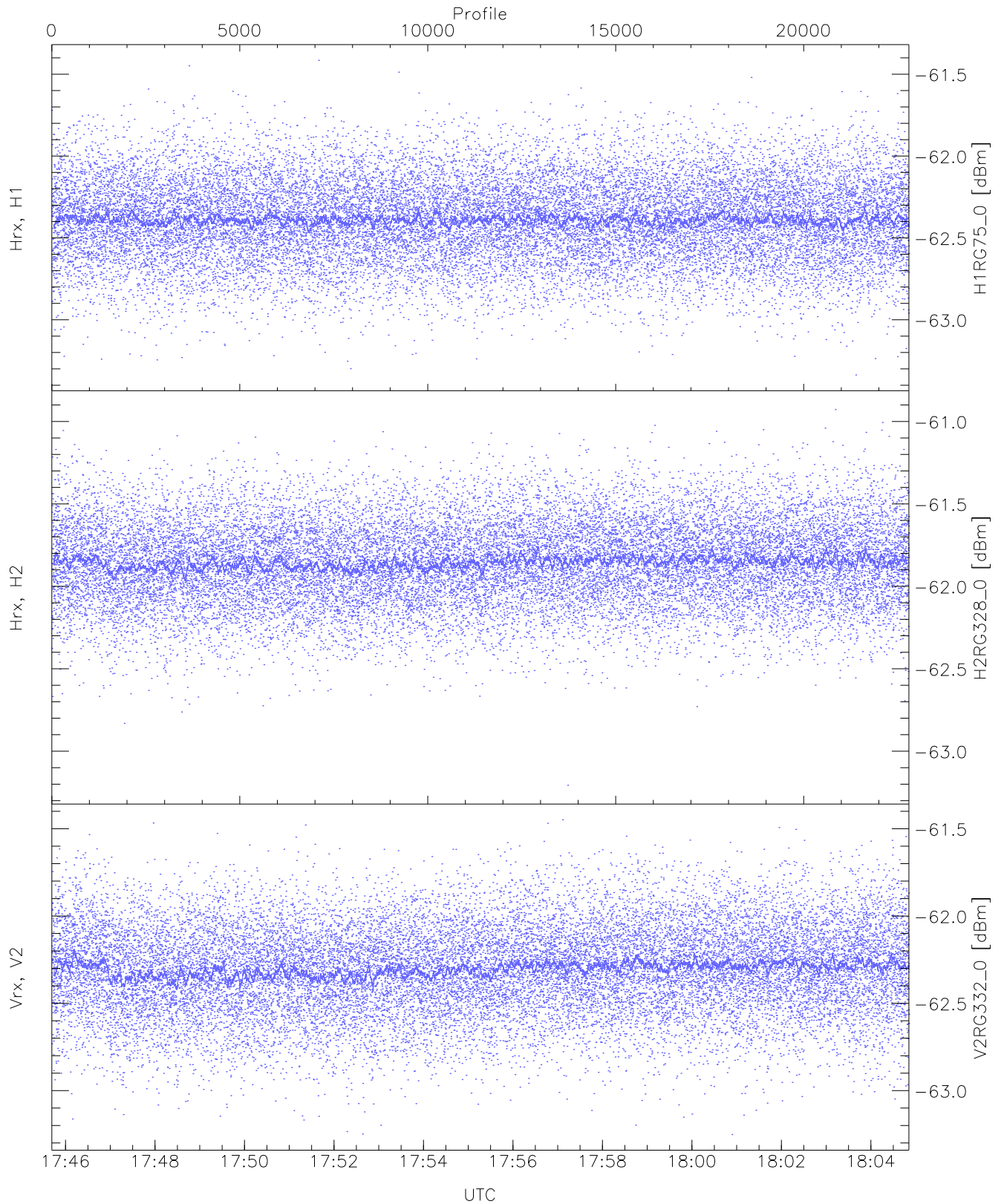
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.49 | -60.65 | -61.50 | -61.51 | -74.10 |
| Hrx, H2 (HL [dBm]) | -62.50 | -60.63 | -61.50 | -61.50 | -74.05 |
| Vrx, V2 (HL [dBm]) | -62.94 | -60.96 | -61.91 | -61.91 | -74.48 |



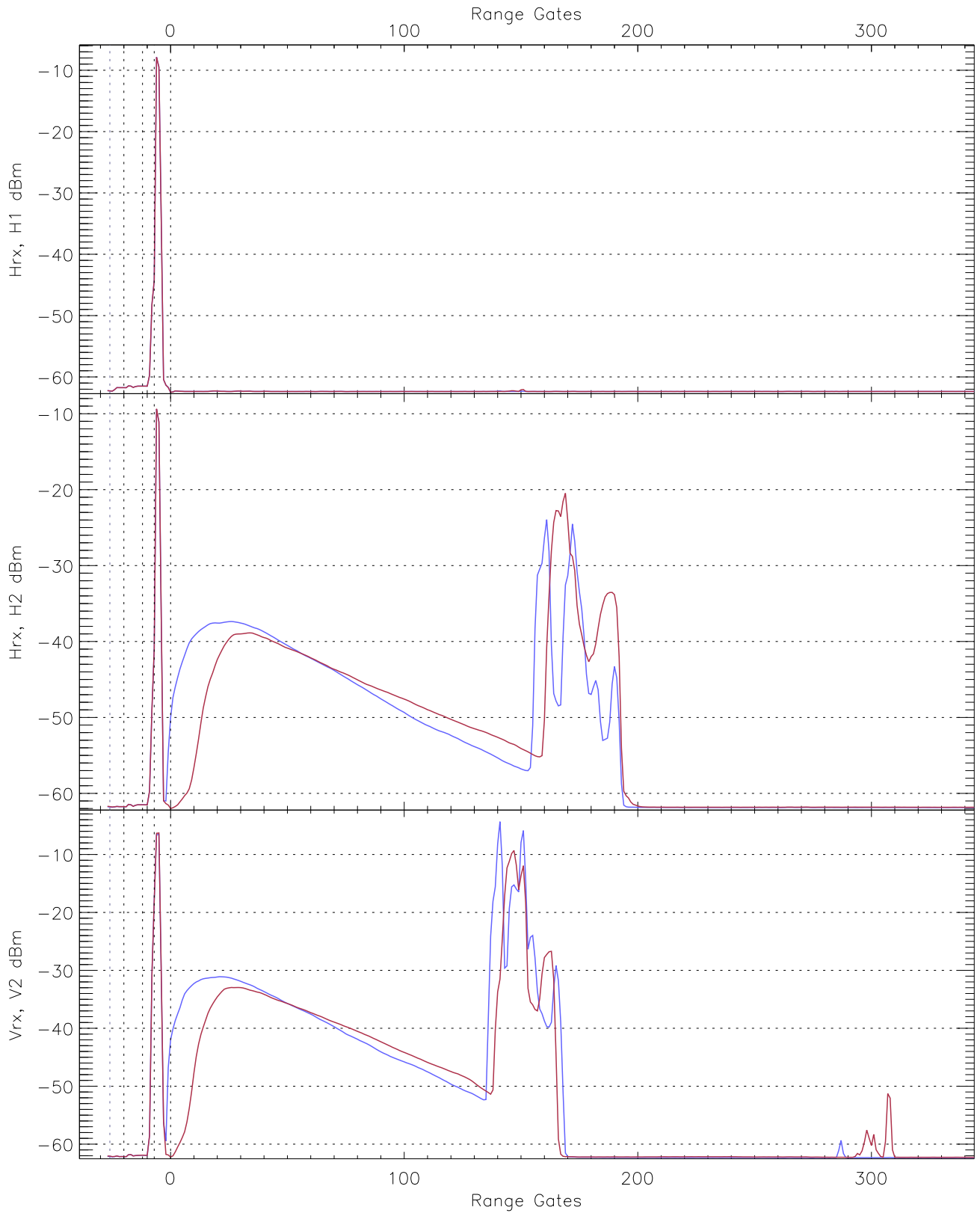
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.42 | -61.12 | -62.28 | -62.28 | -74.85 |
| Hrx, H2 (RM [dBm]) | -62.80 | -60.81 | -61.76 | -61.77 | -74.32 |
| Vrx, V2 (RM [dBm]) | -63.11 | -61.14 | -62.08 | -62.09 | -74.63 |

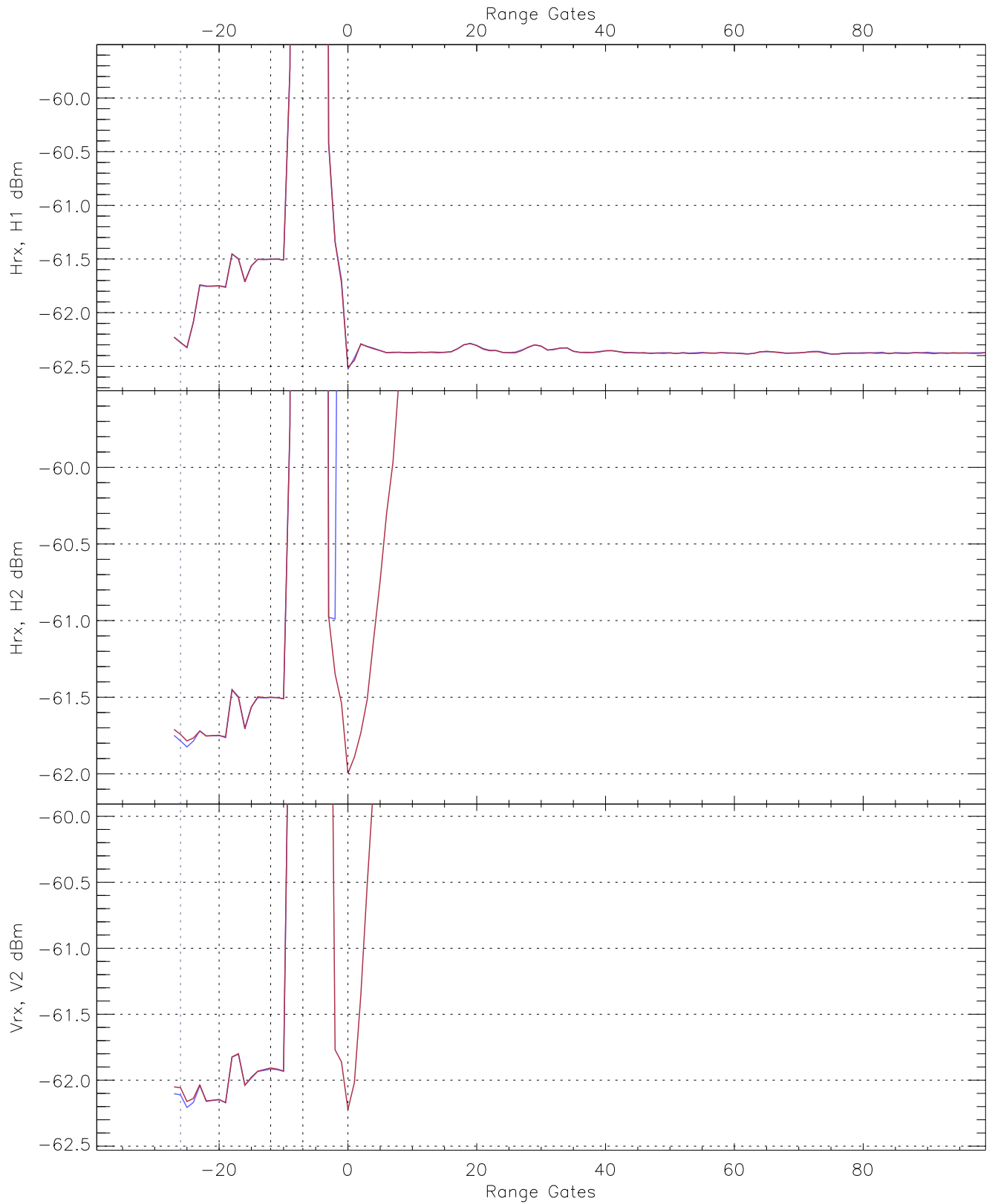


WCR2 CPP "Best" estimate Receivers Noise Power

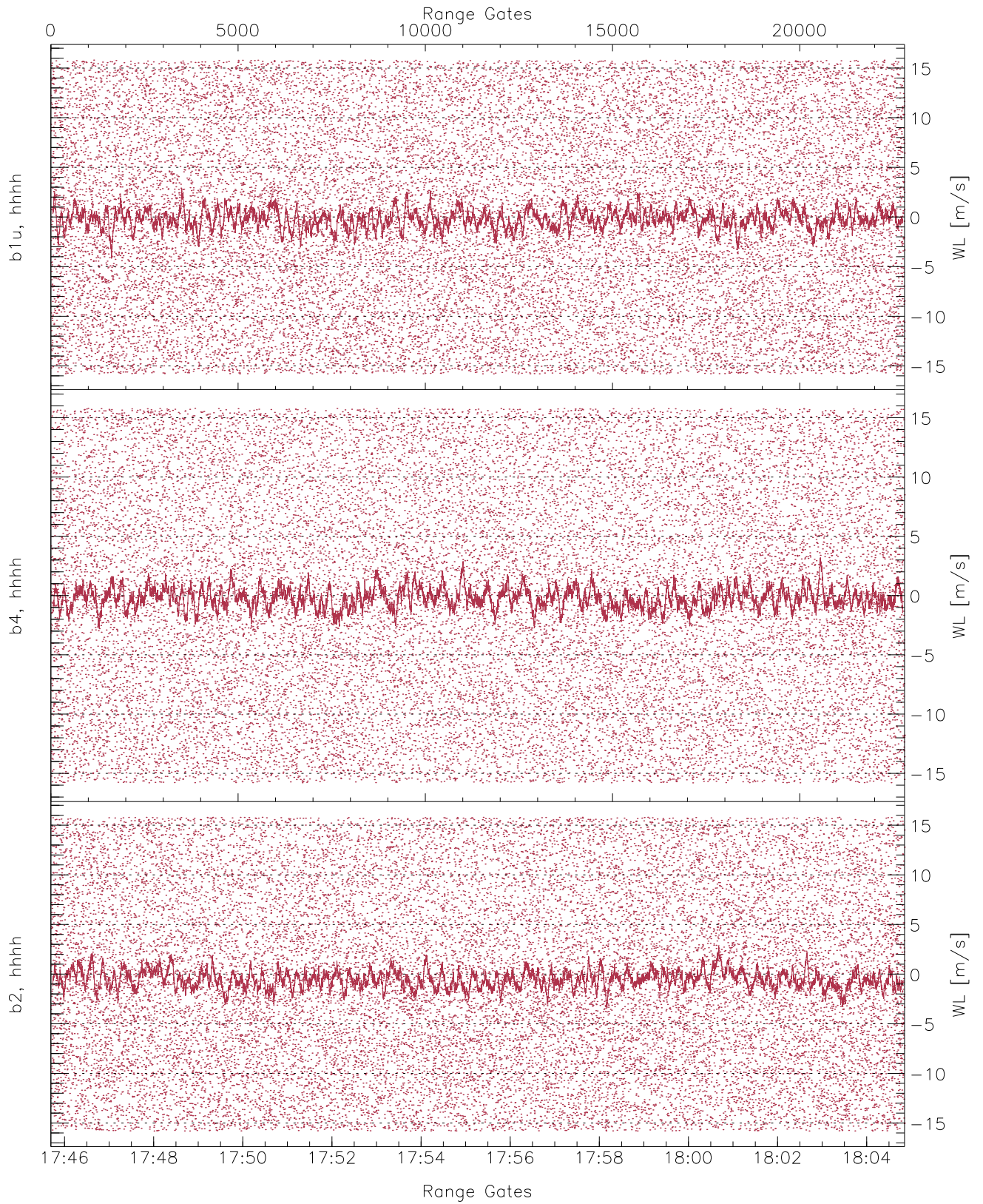
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG75_0 [dBm] | -63.34 | -61.42 | -62.39 | -62.39 | -74.95 |
| H2RG328_0 [dBm] | -63.21 | -60.93 | -61.85 | -61.86 | -74.42 |
| V2RG332_0 [dBm] | -63.25 | -61.45 | -62.30 | -62.30 | -74.84 |



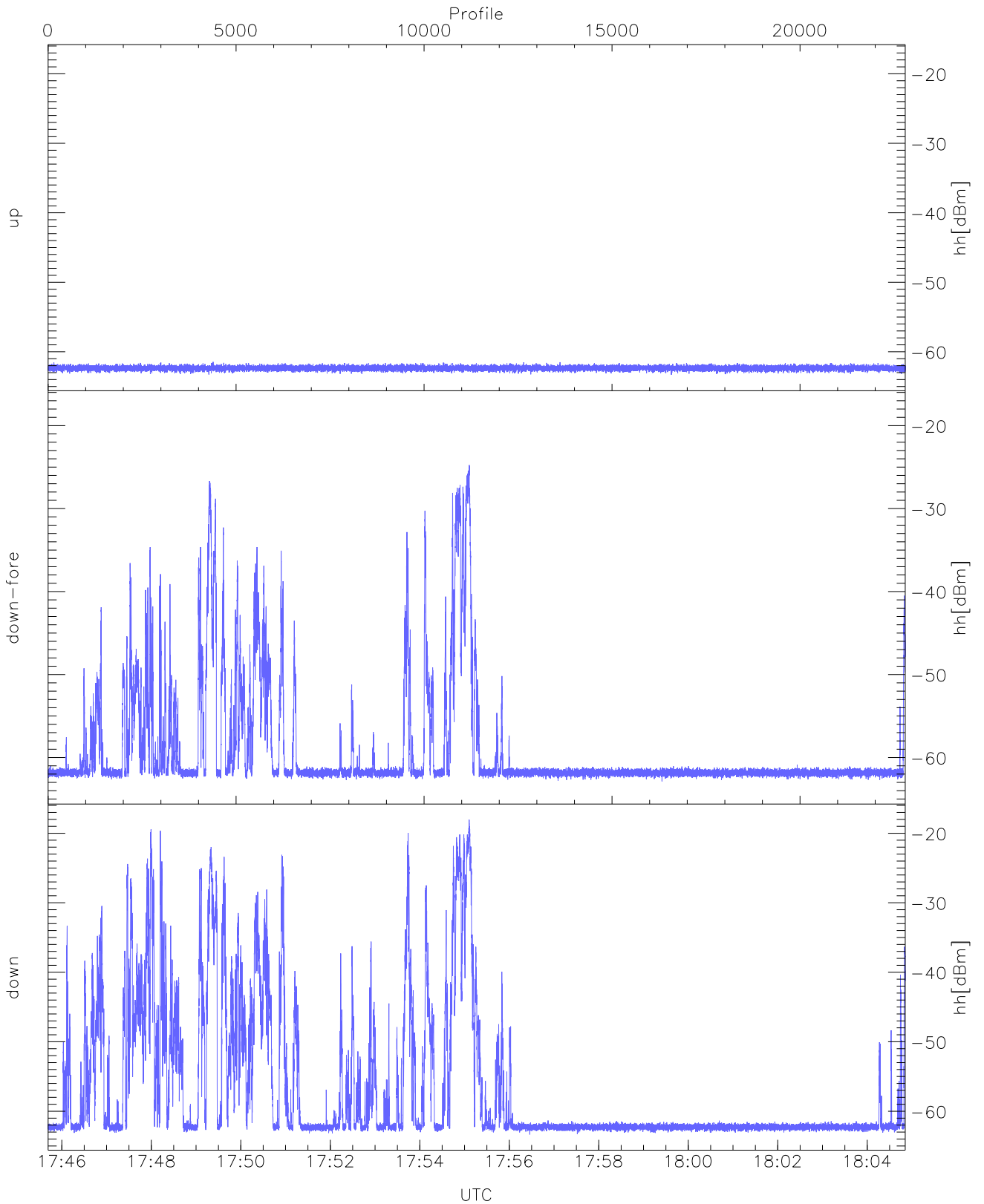
WCR2 CPP Averaged Received power for all recorded gates
blue: 174542-175516, 11401 profiles averaged
red: 175516-180451, 11400 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 174542-175516, 11401 profiles averaged
red: 175516-180451, 11400 profiles averaged

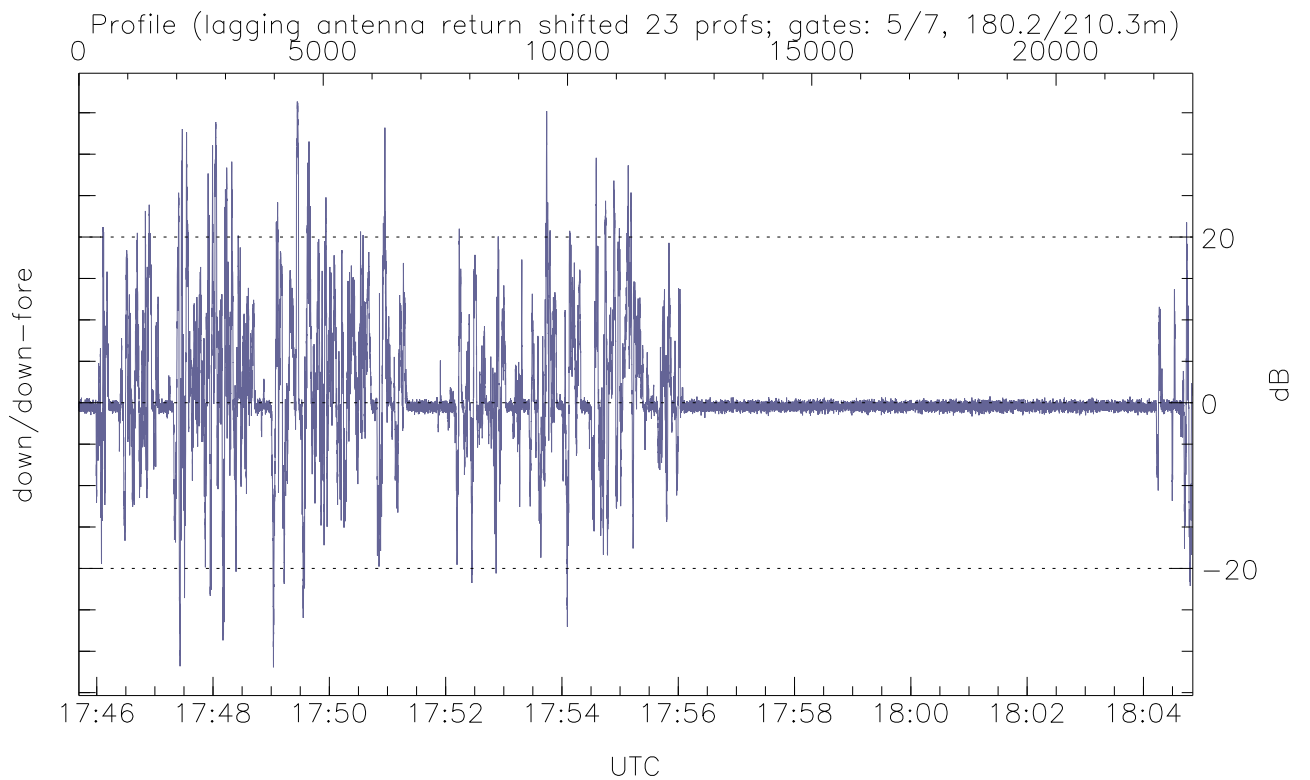
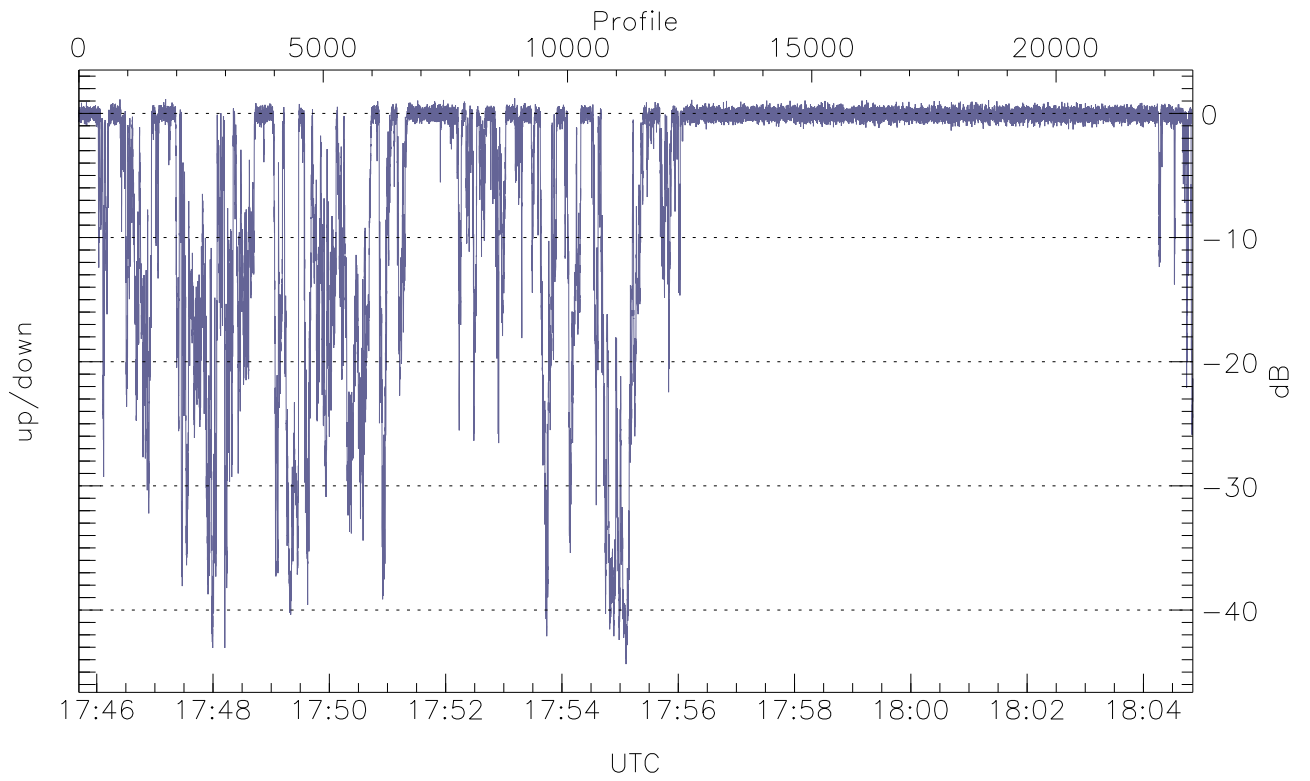


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



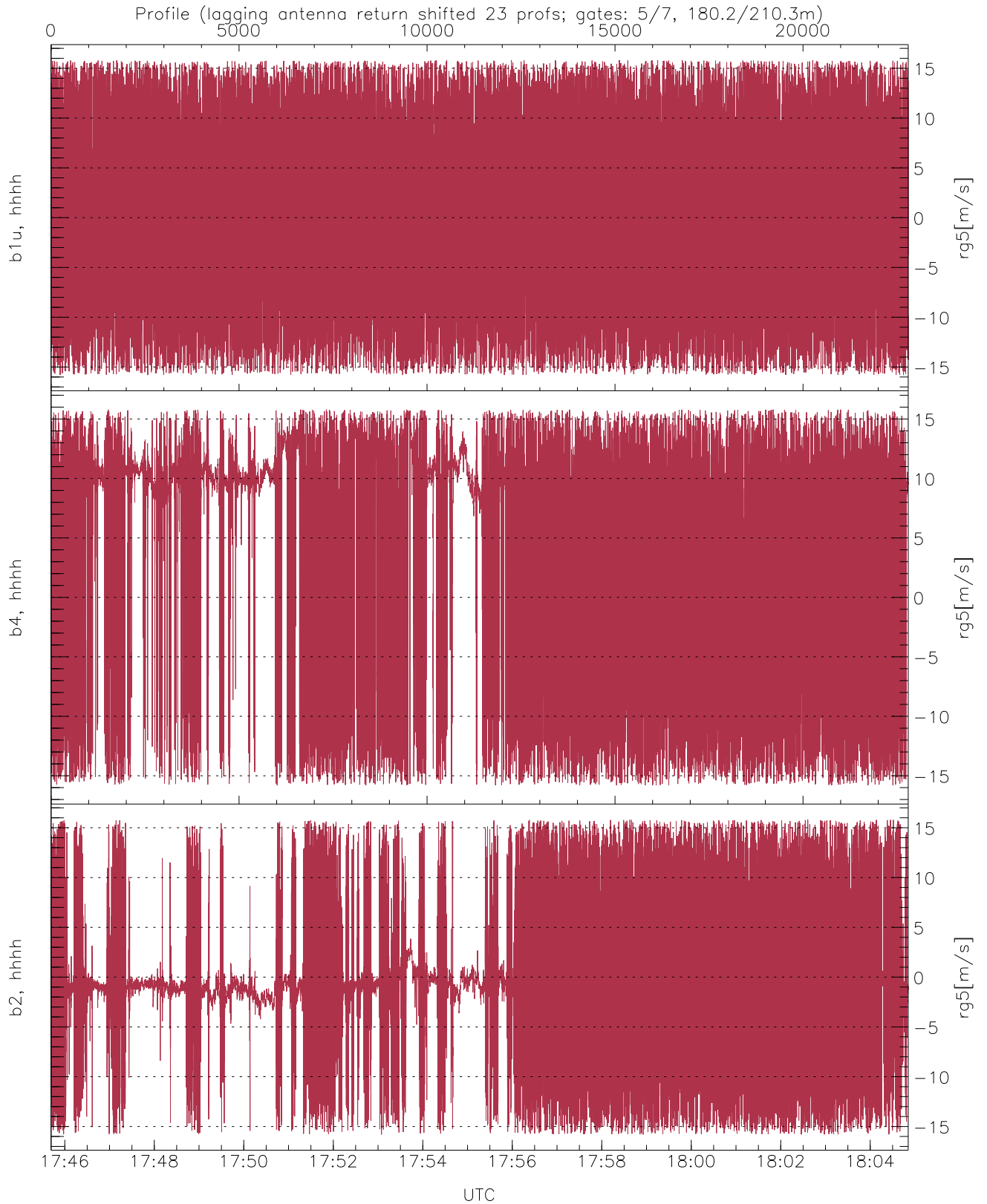
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -63.30 | -61.45 | -62.35 |
| down-fore(hh[dBm]) | -62.87 | -24.75 | -45.64 |
| down(hh[dBm]) | -63.34 | -18.06 | -38.13 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -44.35 | 1.22 | -5.57 |
| down/down-fore (dB) | -31.94 | 36.36 | 0.75 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.14 | 8.99 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | 2.51 | 9.16 |
| b2, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.66 | 7.21 |