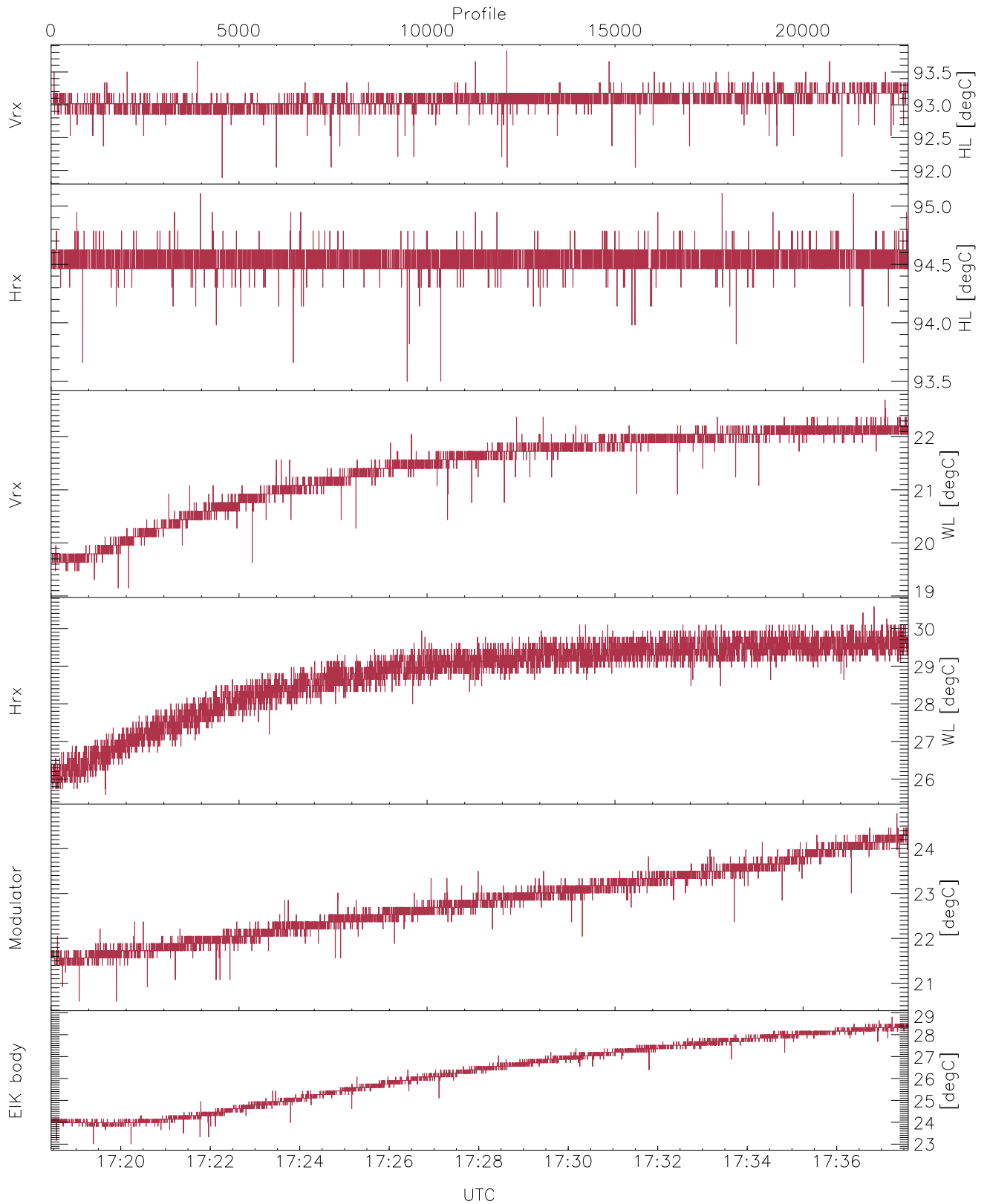


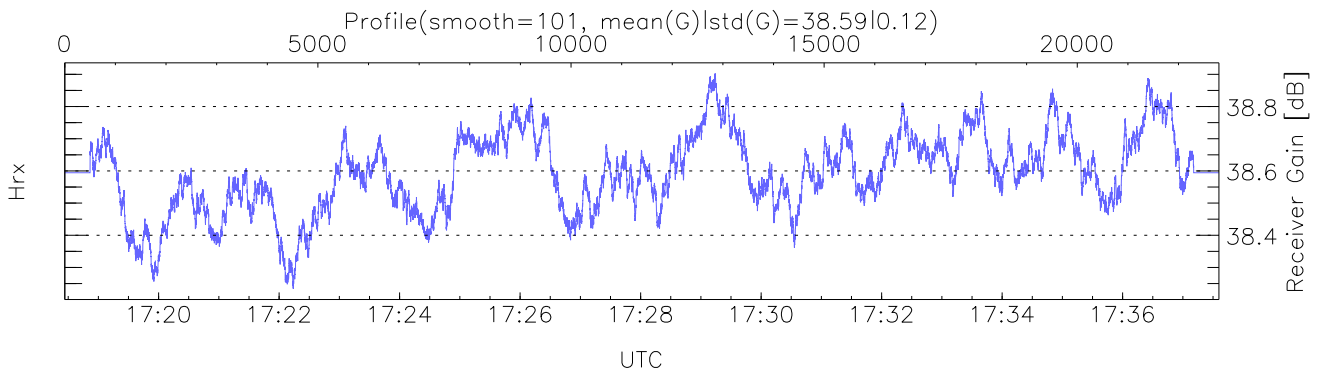
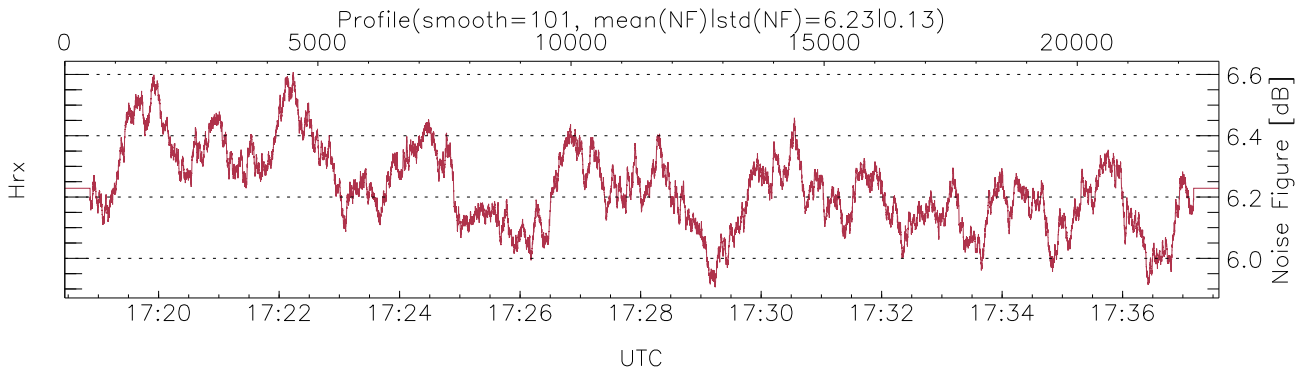
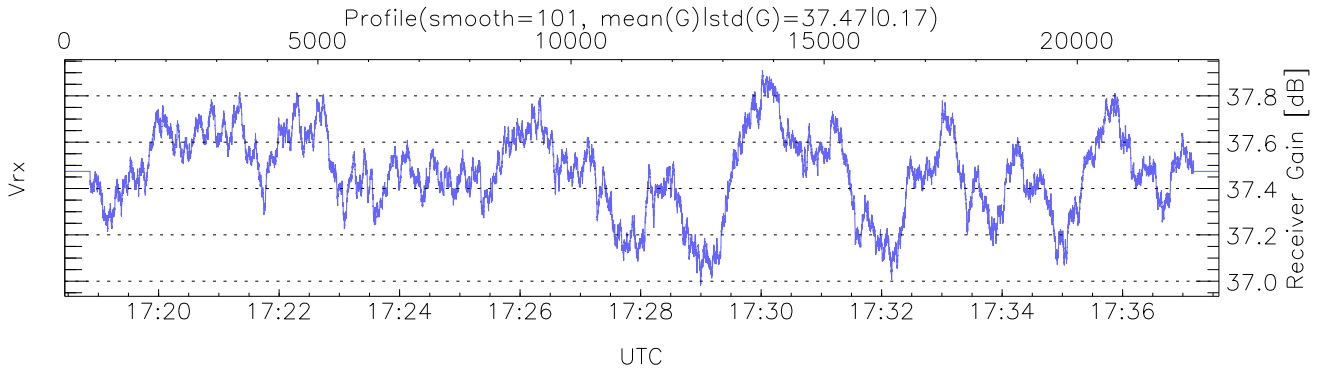
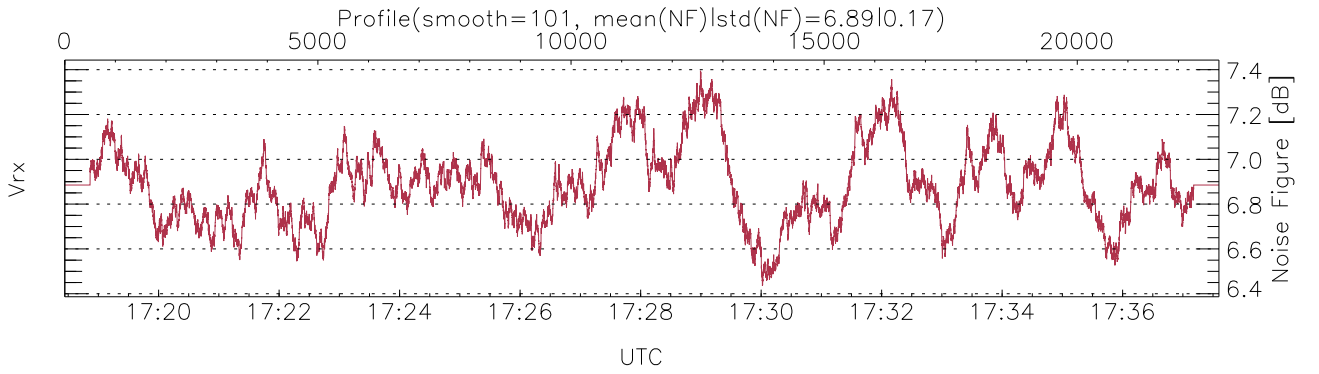
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:18:27-17:46:20, Dur: 1673.30s
 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): 22800/33193, 0-22799/17:18:27-17:37:36
 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



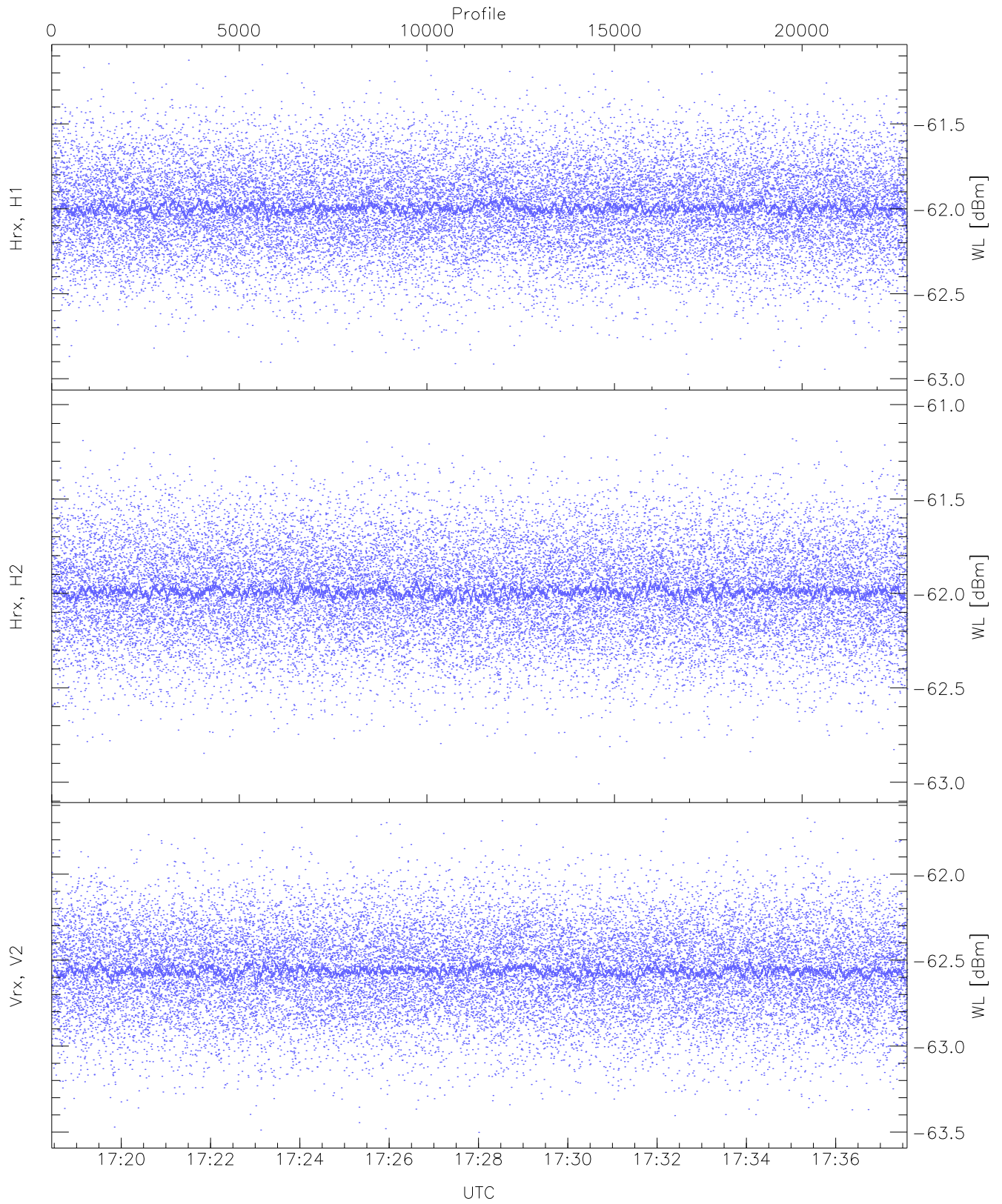
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,19,25,20,23
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,22,30,24,28
 LOalarm(20,80,240,2.8,14.8 MHz): 10,0,0,0,0
 EIK Faults(# prof affected):
 DeckT,CollT,BodyCurr,DeckF,OverDuty (5,5,5,5,5)



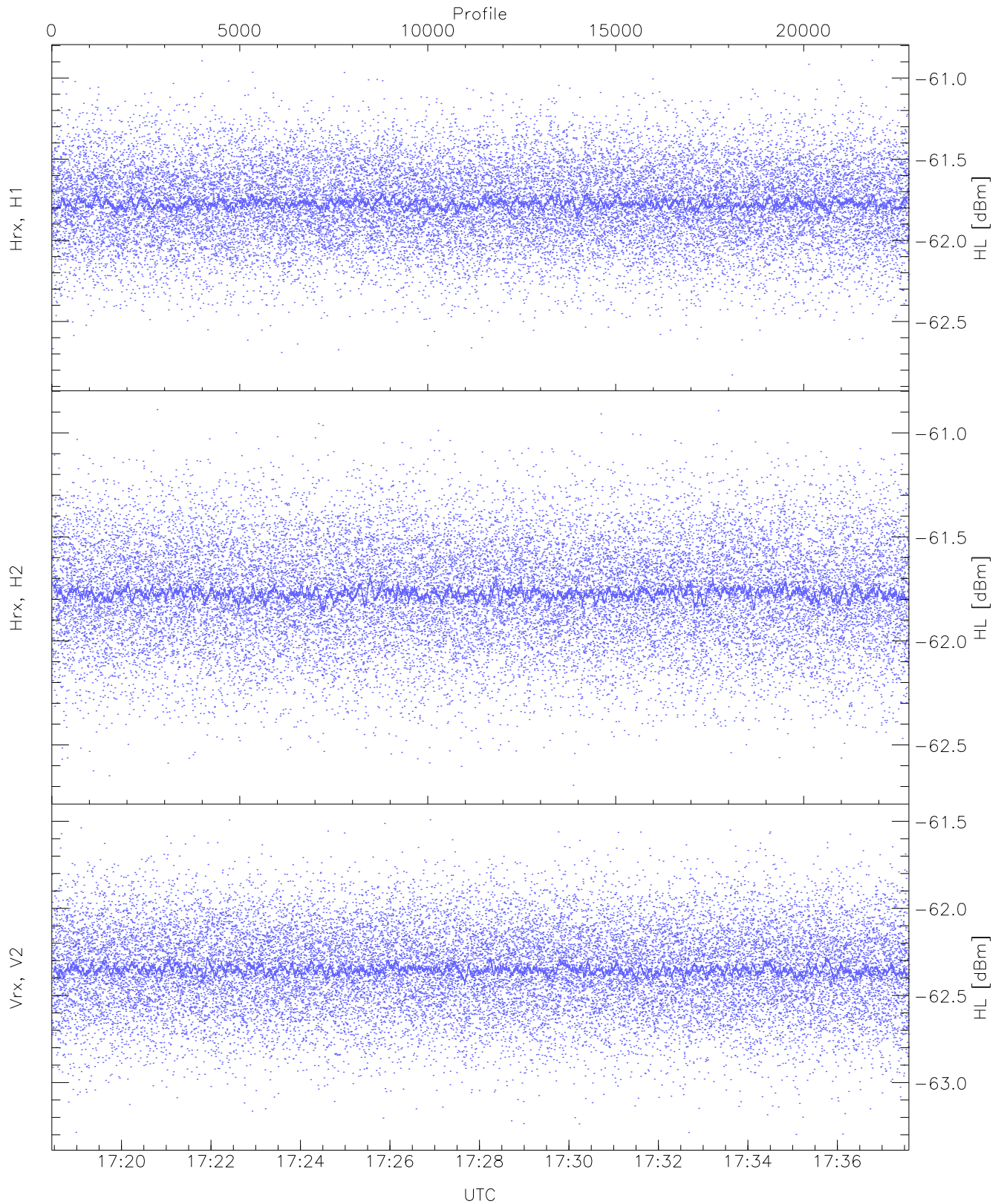
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 9169 pixs, 53 gates, 8145 profs, 1 prods



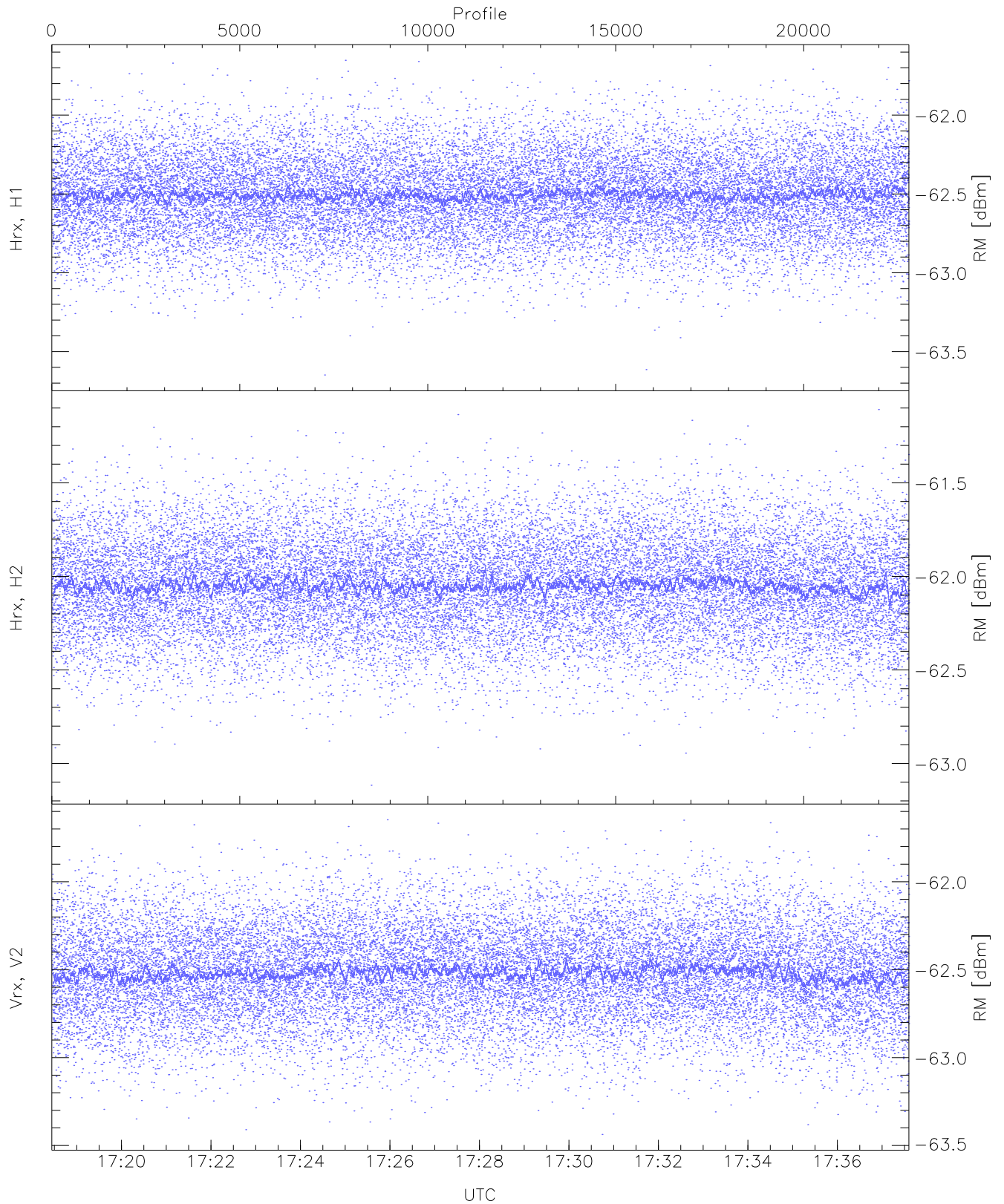
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -62.97 | -61.13 | -61.99 | -62.00 | -74.58 |
| Hrx, H2(WL [dBm]) | -63.01 | -61.02 | -61.99 | -61.99 | -74.55 |
| Vrx, V2(WL [dBm]) | -63.50 | -61.67 | -62.56 | -62.56 | -75.09 |



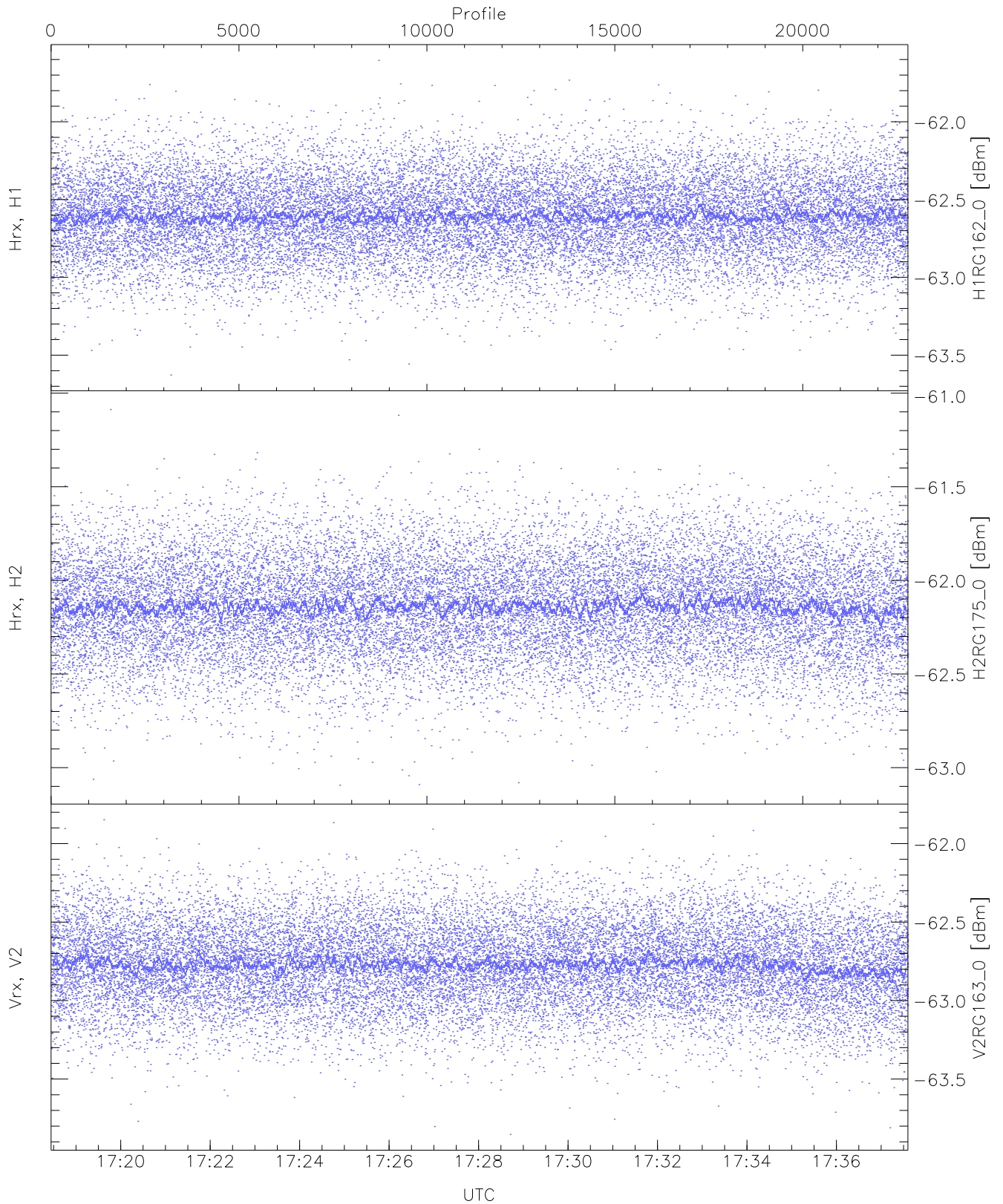
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.83 | -60.89 | -61.77 | -61.77 | -74.34 |
| Hrx, H2 (HL [dBm]) | -62.69 | -60.89 | -61.77 | -61.77 | -74.32 |
| Vrx, V2 (HL [dBm]) | -63.30 | -61.49 | -62.35 | -62.35 | -74.92 |



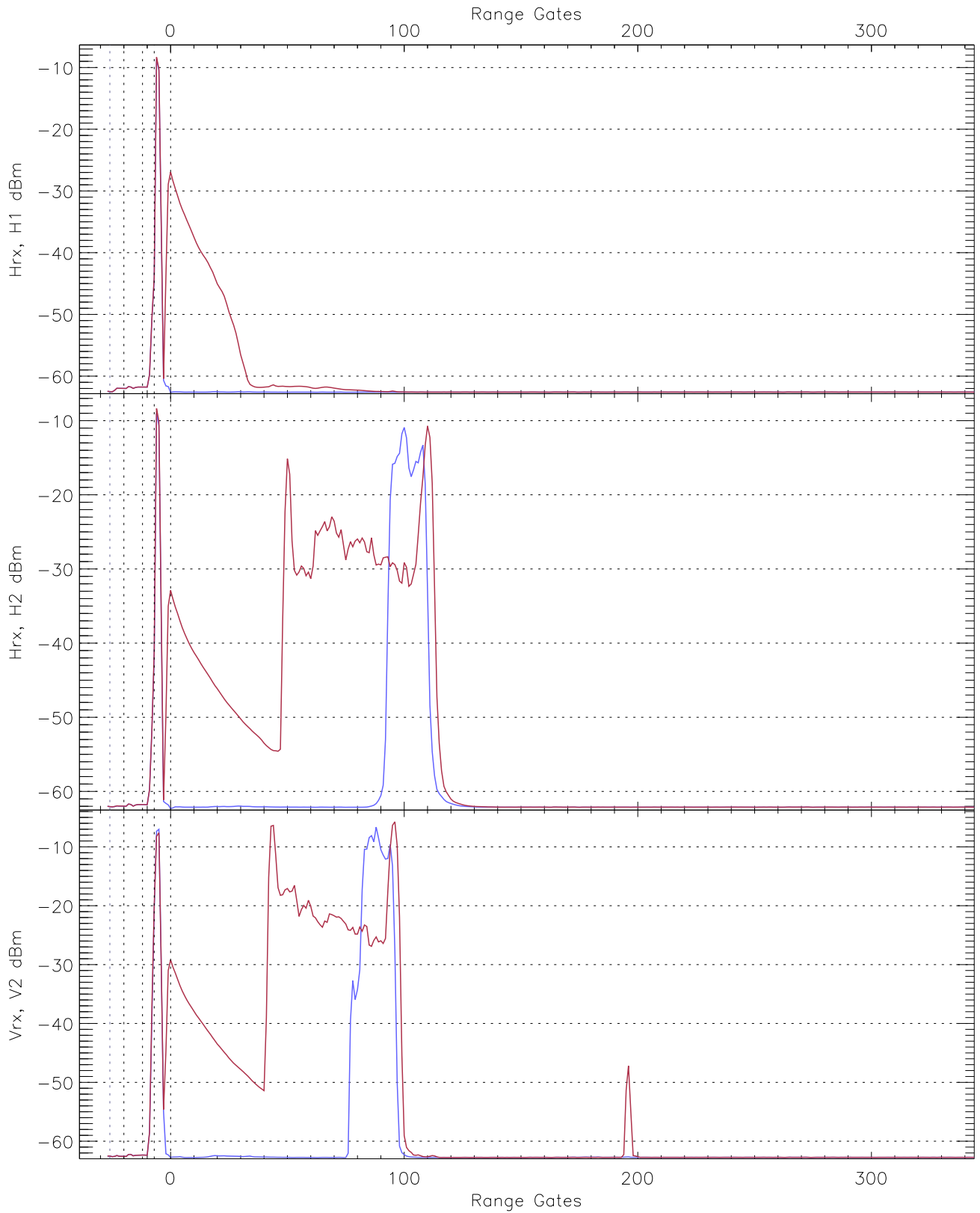
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.65 | -61.65 | -62.50 | -62.51 | -75.07 |
| Hrx, H2 (RM [dBm]) | -63.12 | -61.11 | -62.05 | -62.05 | -74.60 |
| Vrx, V2 (RM [dBm]) | -63.44 | -61.65 | -62.52 | -62.52 | -75.04 |

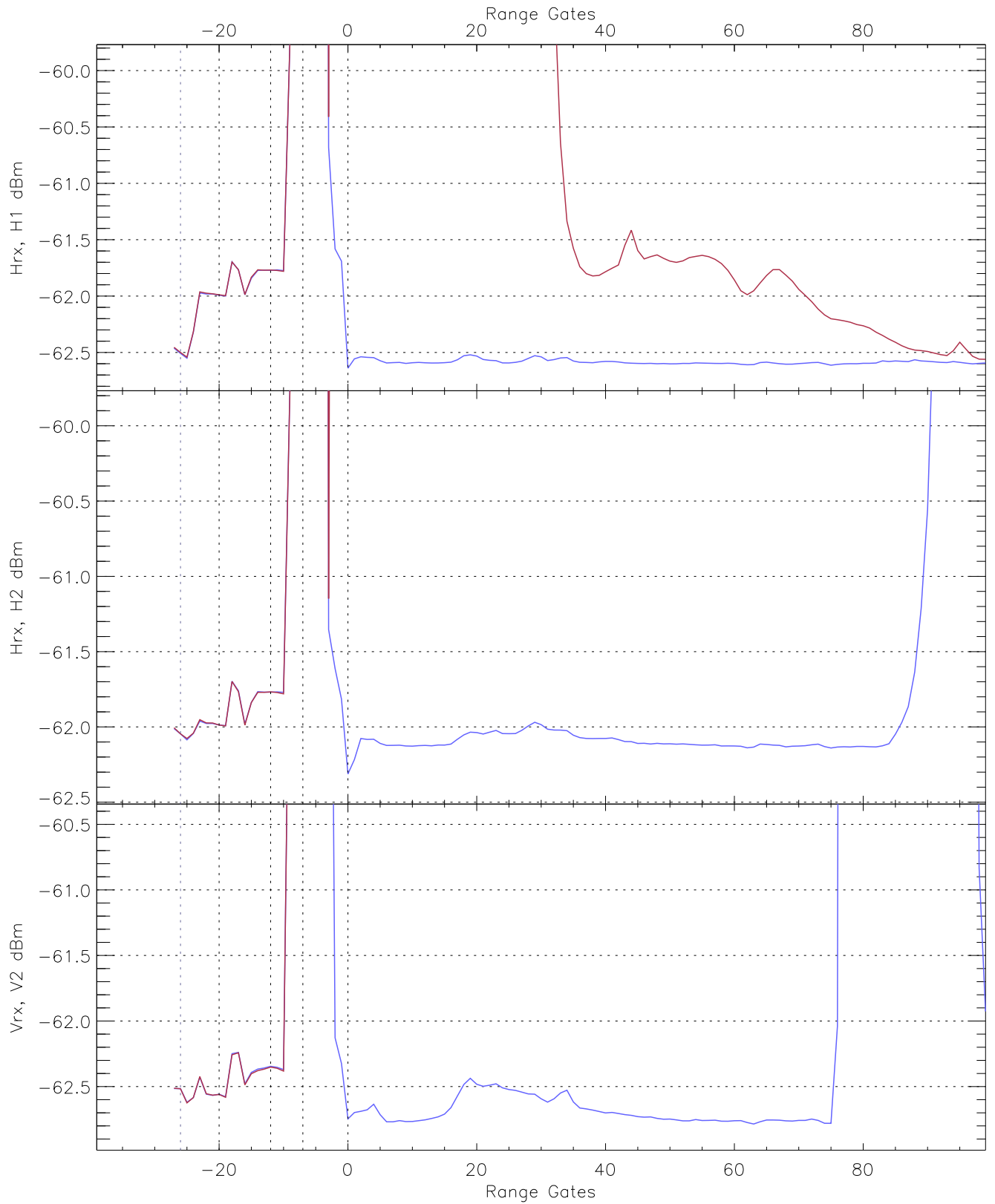


WCR2 CPP "Best" estimate Receivers Noise Power

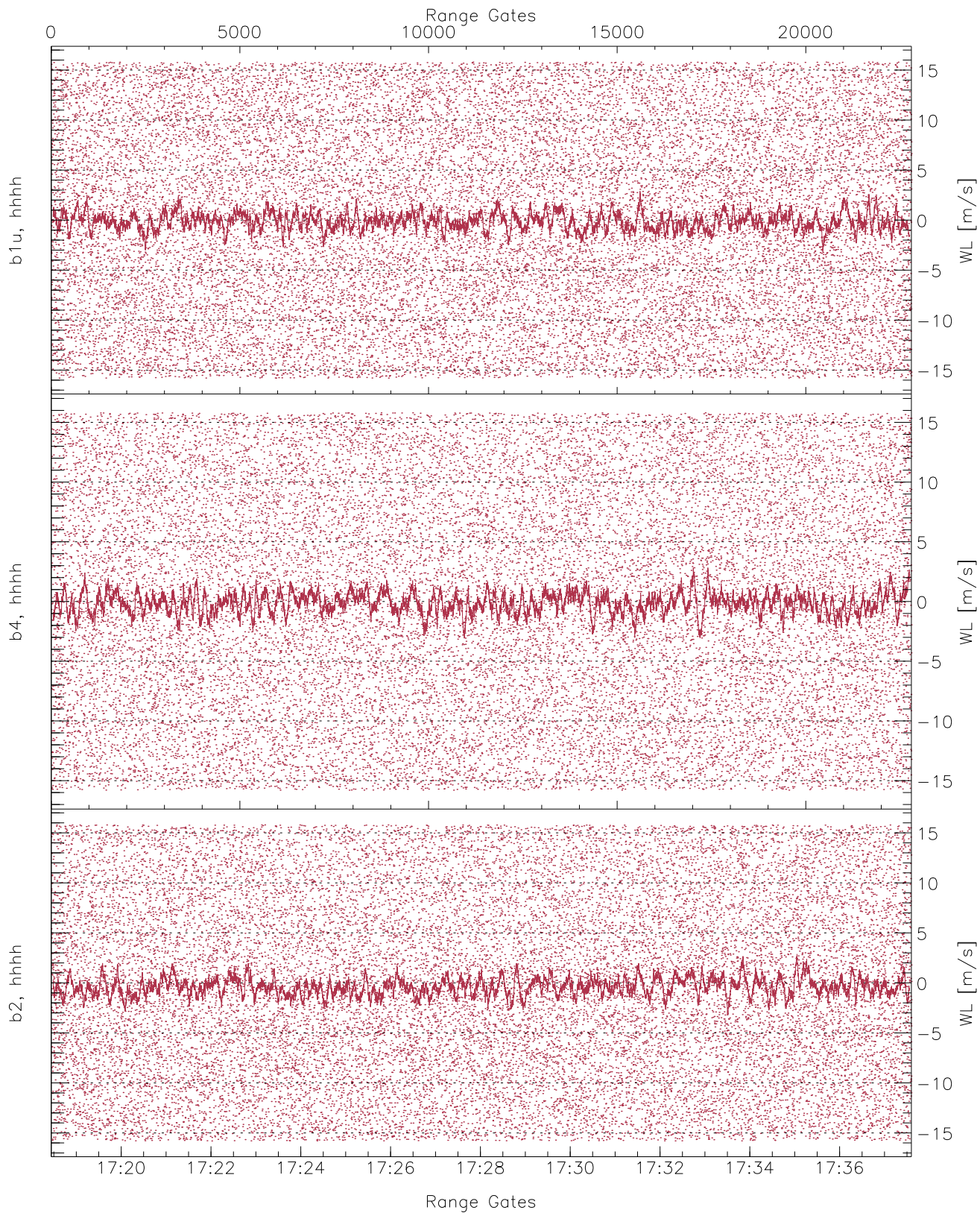
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG162_0 [dBm] | -63.63 | -61.61 | -62.60 | -62.61 | -75.17 |
| H2RG175_0 [dBm] | -63.09 | -61.09 | -62.14 | -62.14 | -74.67 |
| V2RG163_0 [dBm] | -63.85 | -61.85 | -62.77 | -62.77 | -75.31 |



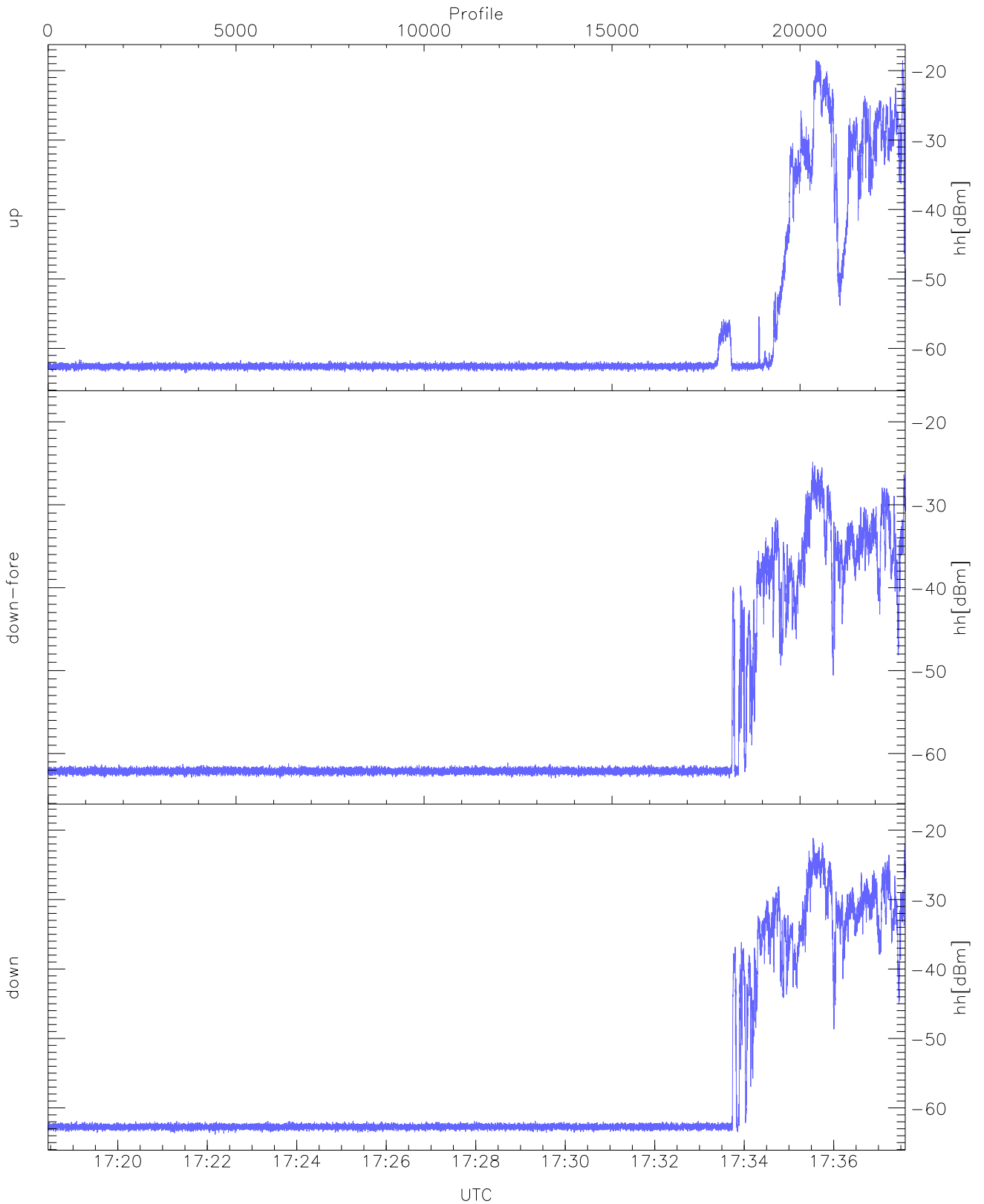
WCR2 CPP Averaged Received power for all recorded gates
blue: 171827-172801, 11401 profiles averaged
red: 172801-173736, 11400 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 171827-172801, 11401 profiles averaged
red: 172801-173736, 11400 profiles averaged

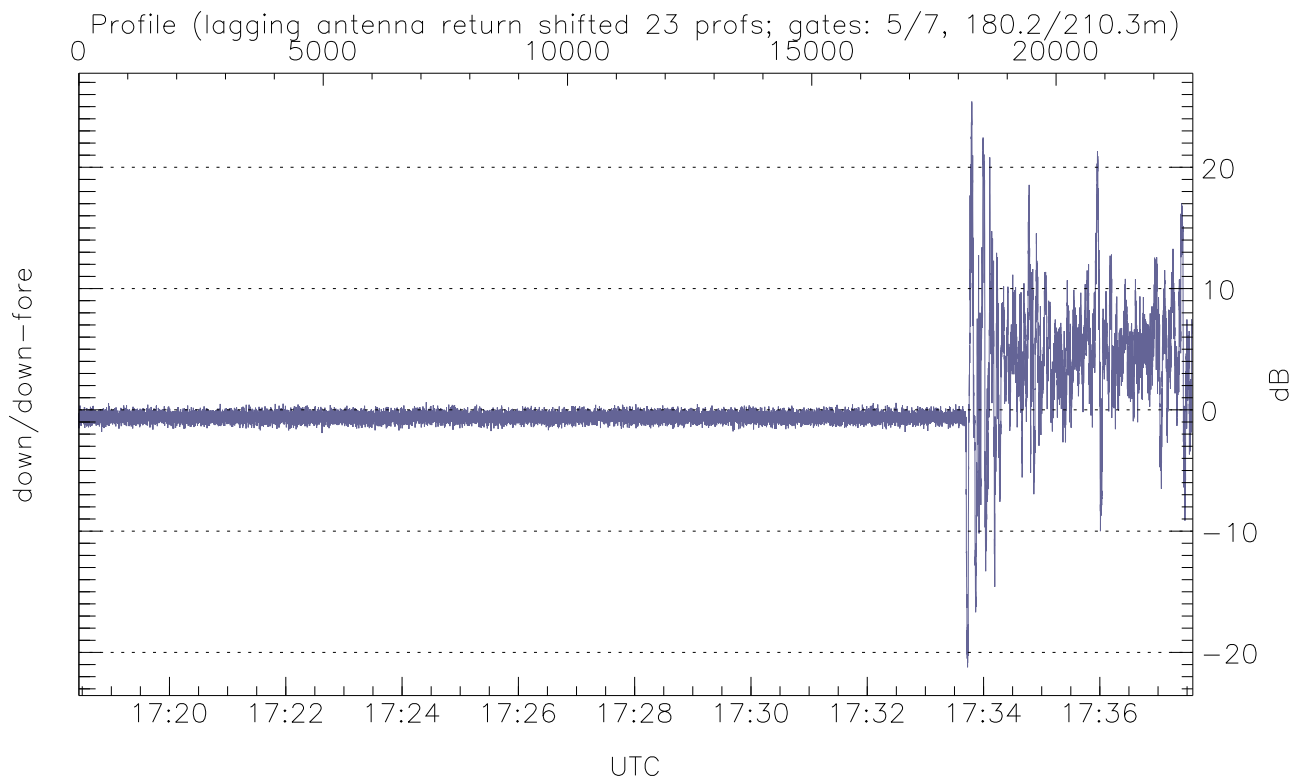
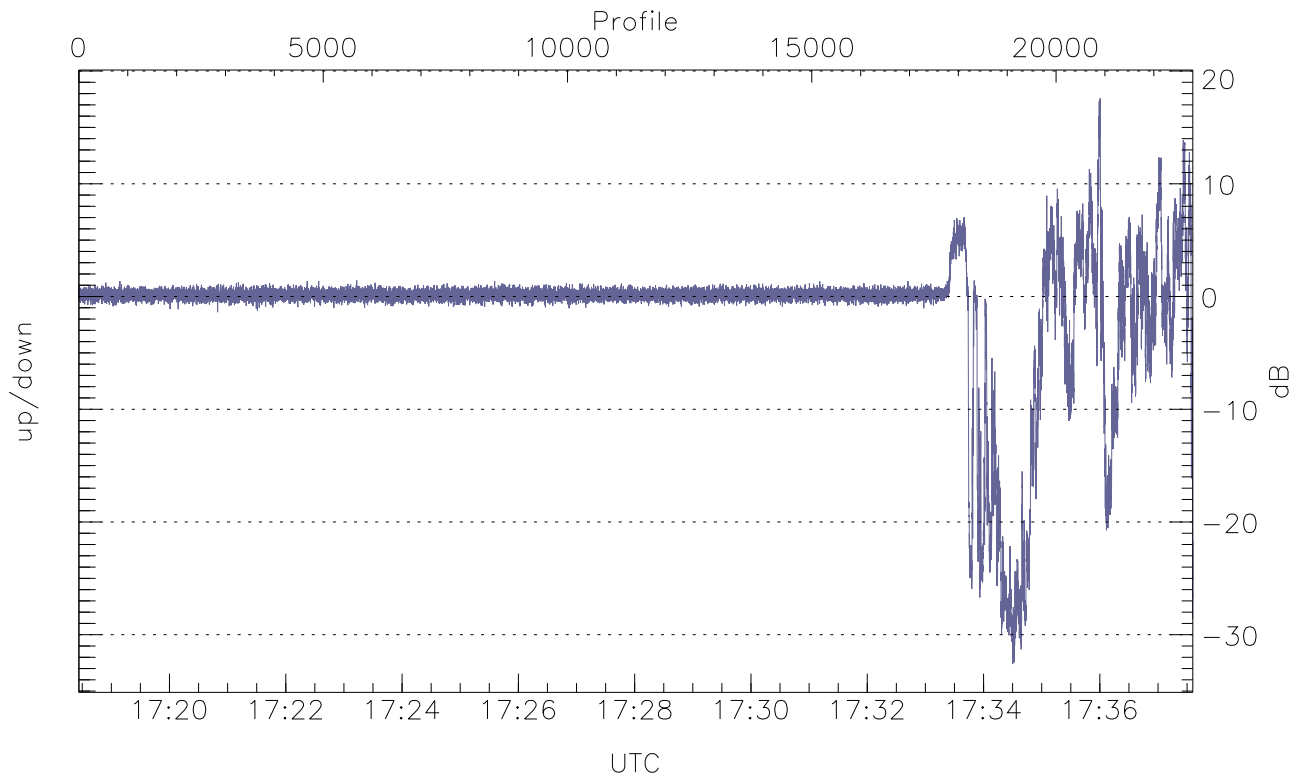


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



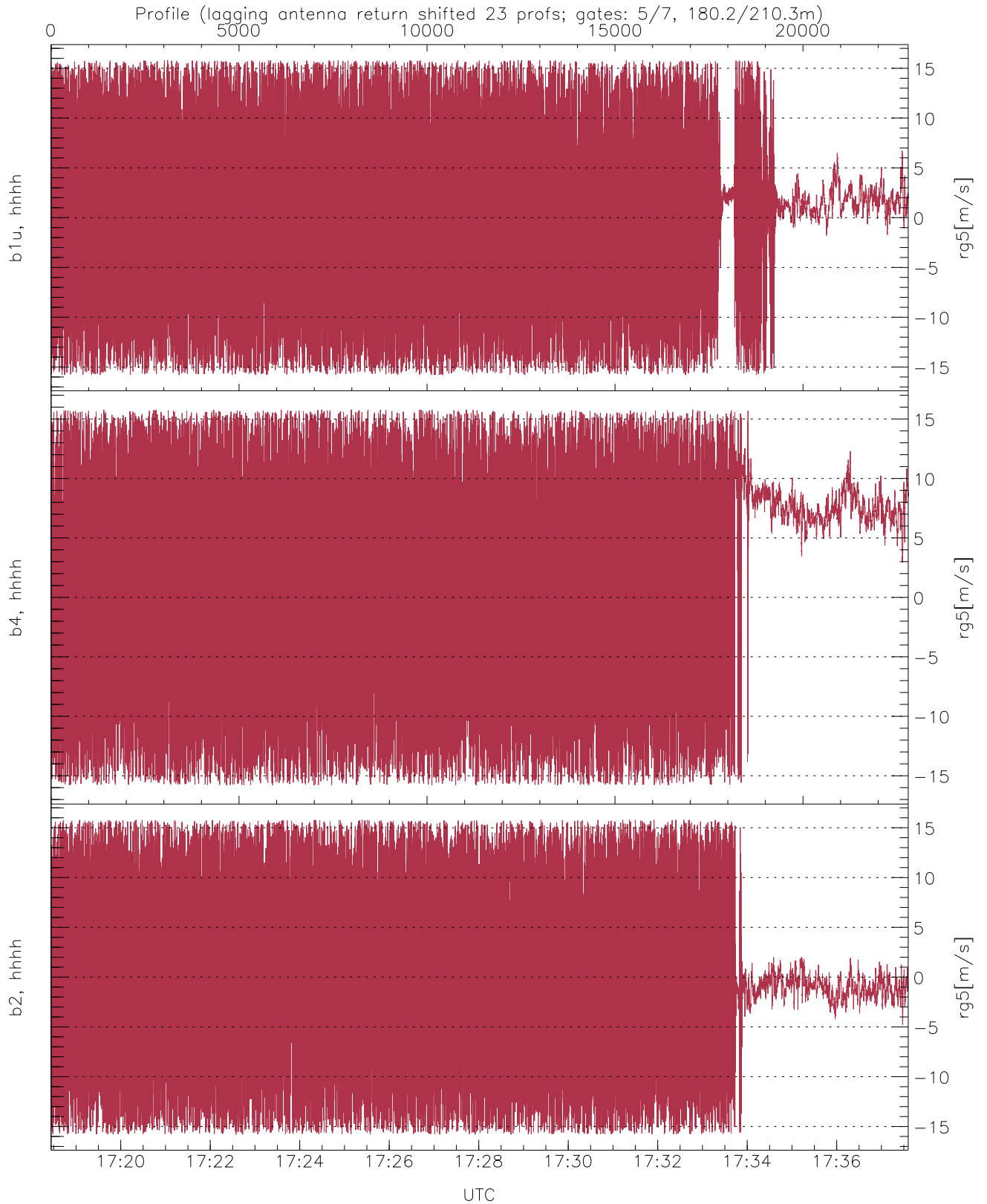
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -63.57 | -18.52 | -35.99 |
| down-fore(hh[dBm]) | -63.01 | -24.83 | -40.90 |
| down(hh[dBm]) | -63.82 | -21.14 | -37.48 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -32.60 | 17.58 | -1.06 |
| down/down-fore (dB) | -21.22 | 25.42 | 0.42 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.79 | 0.20 | 8.08 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | 1.41 | 8.60 |
| b2, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.52 | 8.09 |