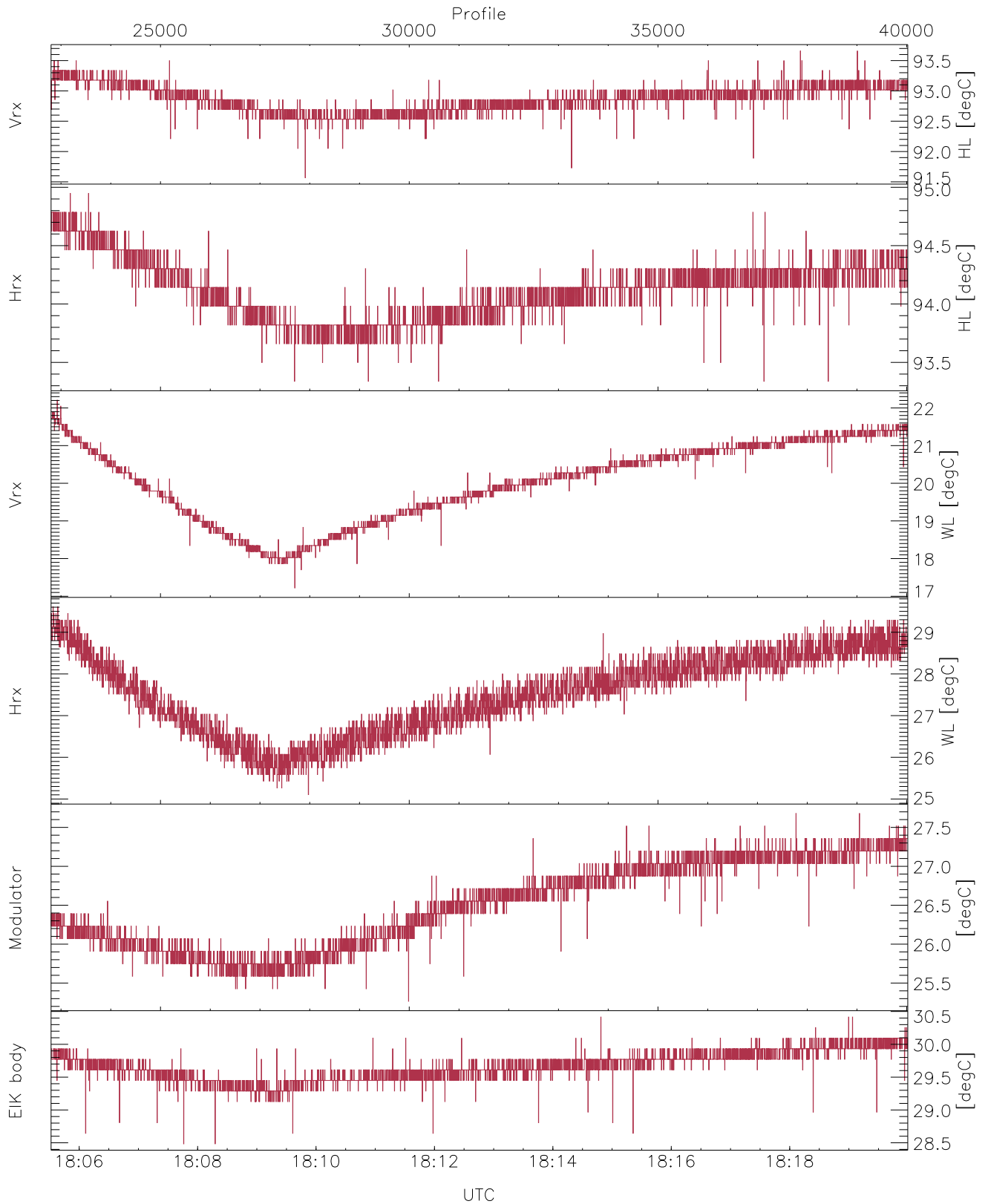


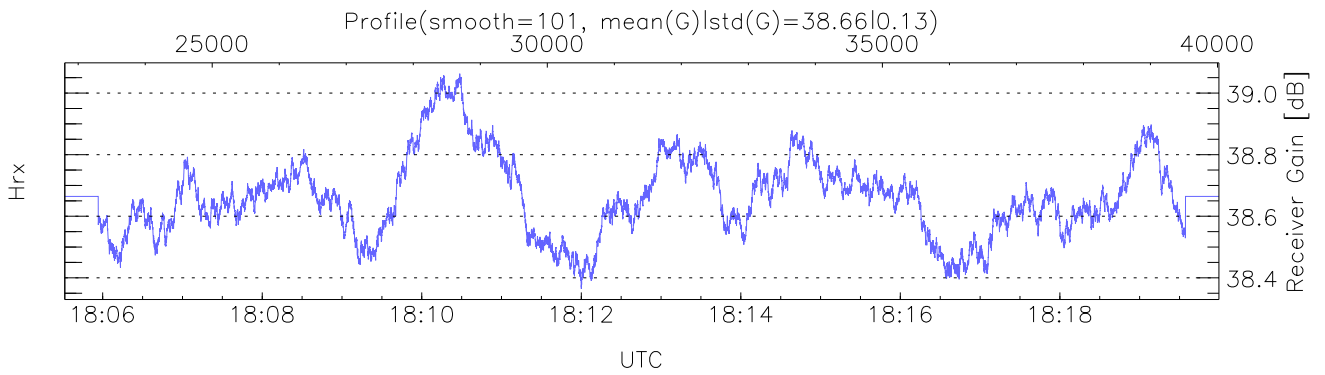
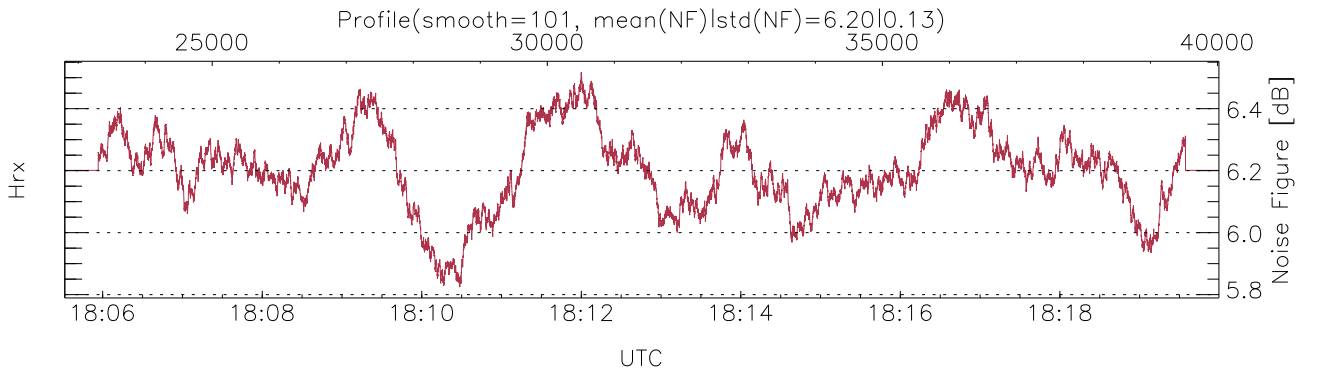
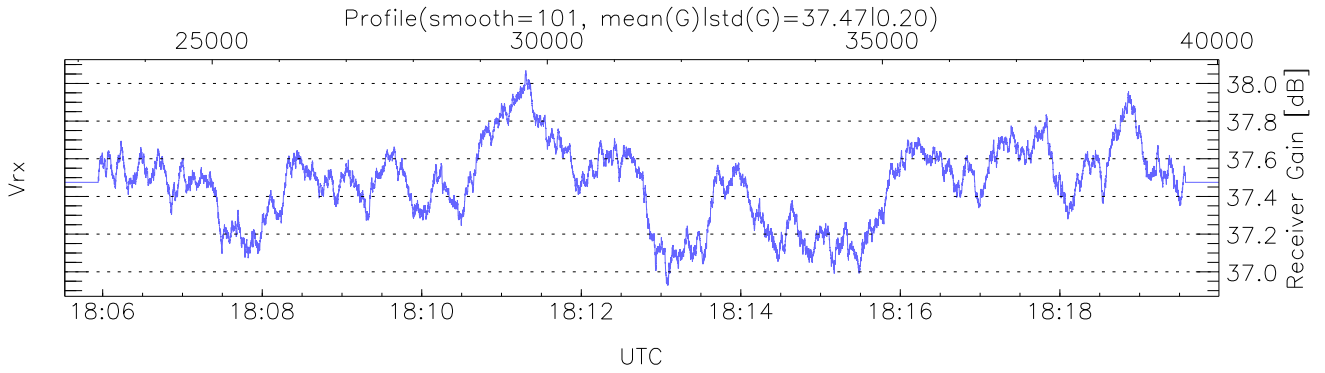
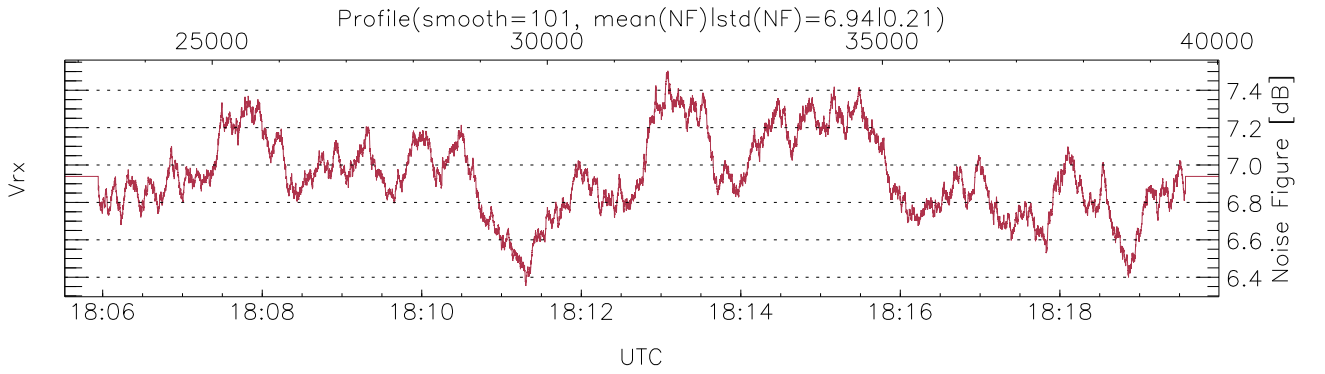
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:46:22-18:20:00, Dur: 2017.61s
 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): 17223/40023, 22800-40022/18:05:31-18:20:00
 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,rgs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



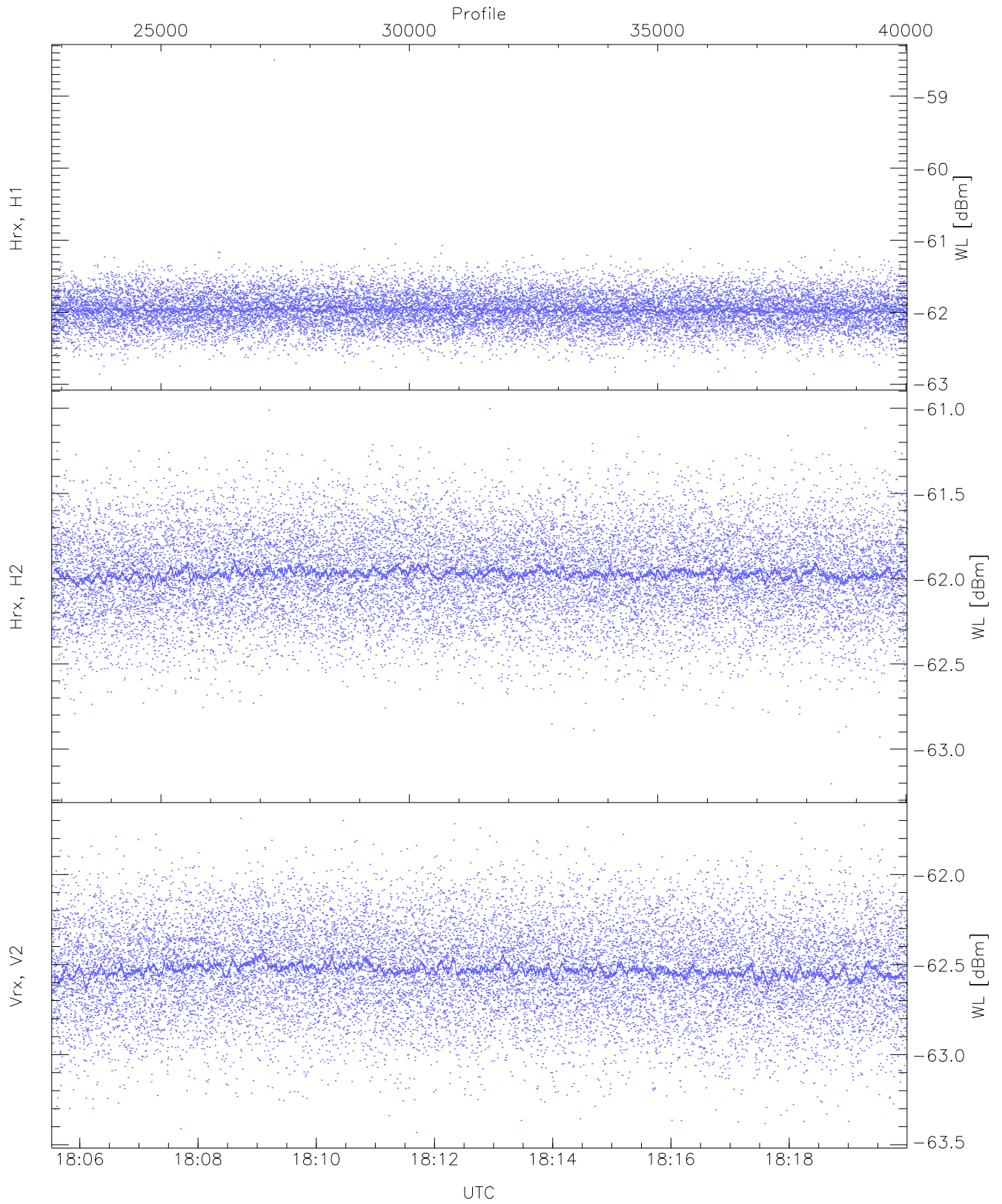
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,17,25,25,28
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,22,29,27,30
 LOalarm(20,80,240,2.8,14.8 MHz): None
 EIK Faults(# prof affected):
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (5,5,10,10,5,5)



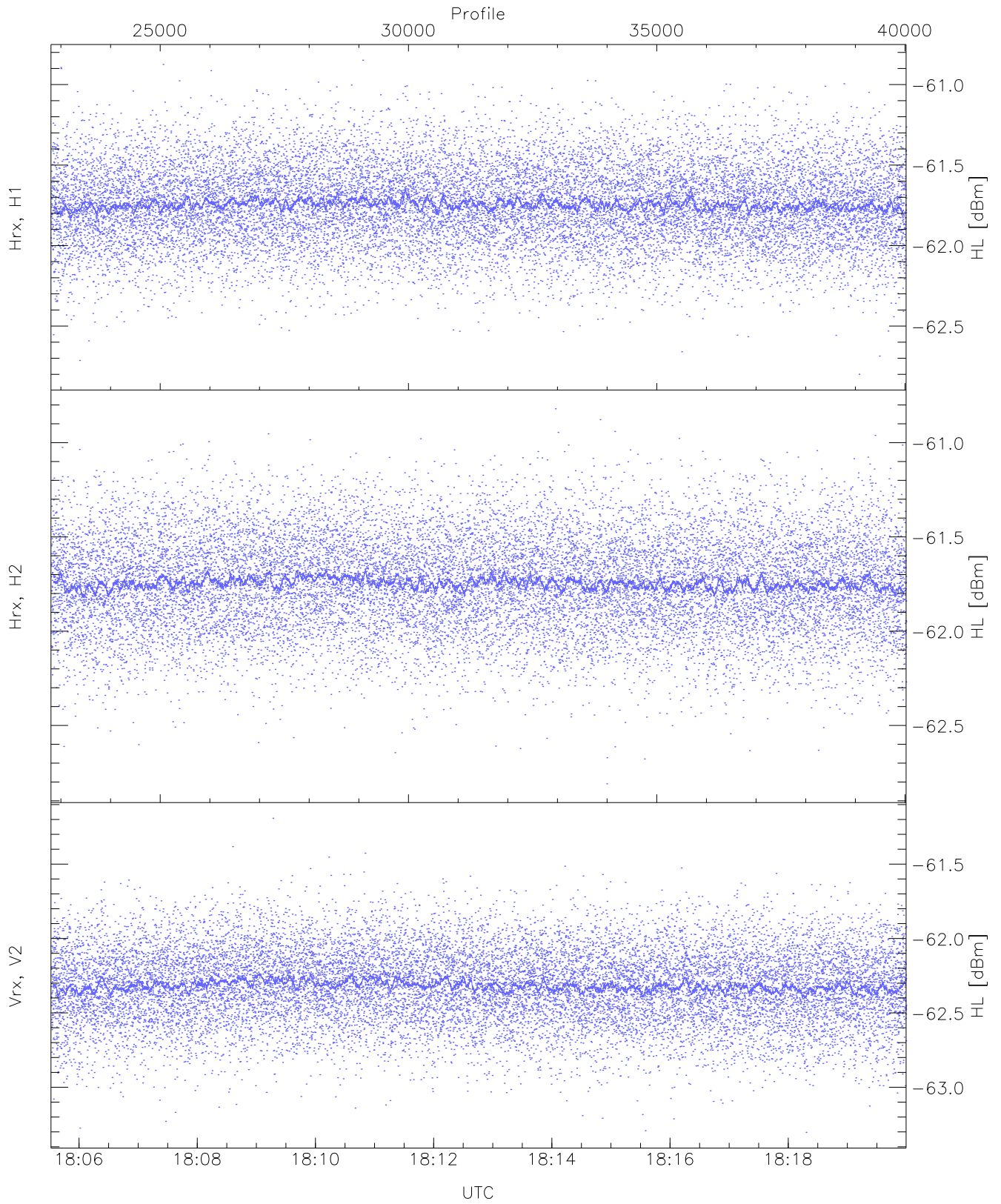
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 10586 pixs, 29 gates, 9971 profs, 1 prods



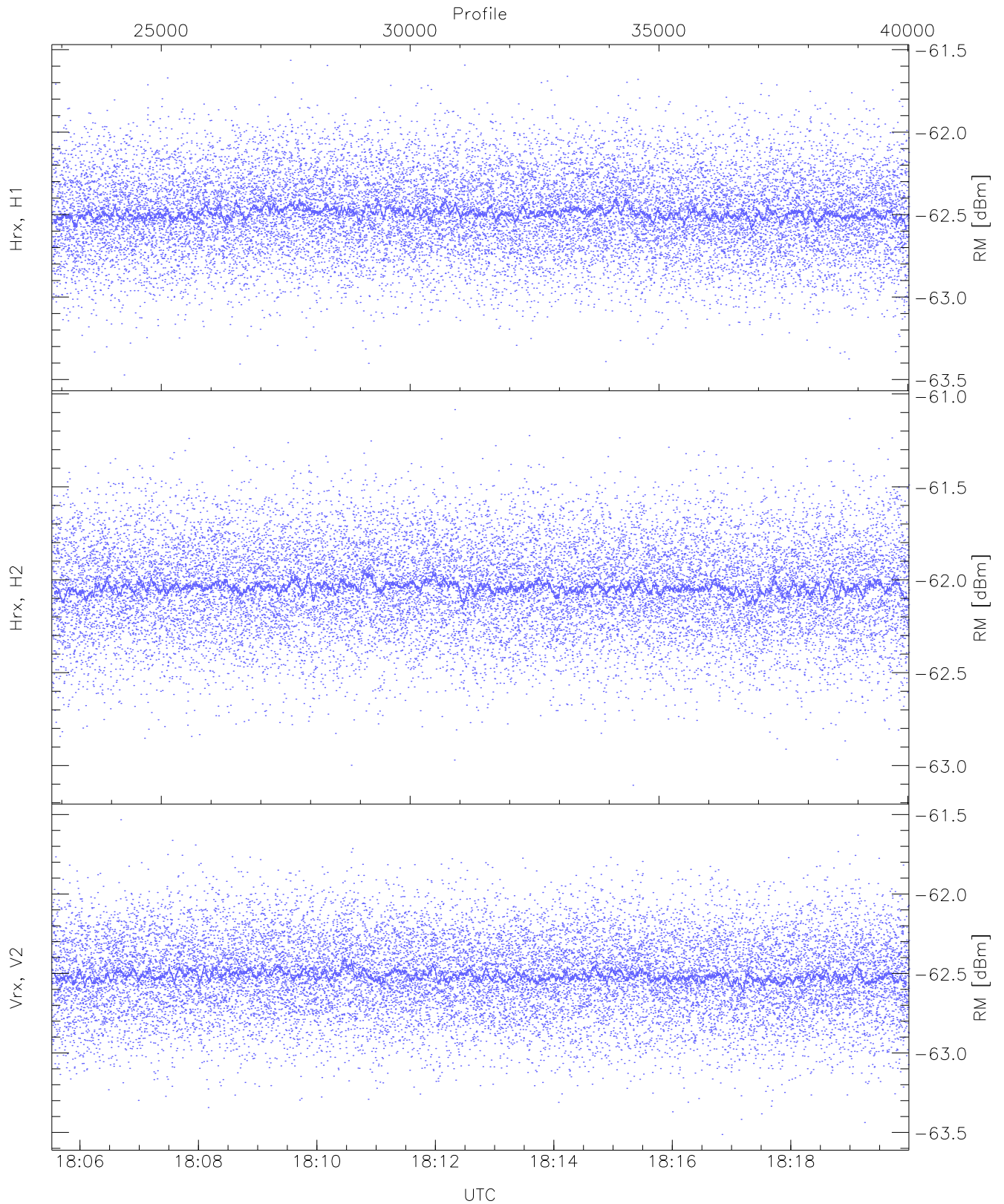
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -62.86 | -58.50 | -61.97 | -61.97 | -74.51 |
| Hrx, H2 (WL [dBm]) | -63.20 | -61.00 | -61.97 | -61.97 | -74.55 |
| Vrx, V2 (WL [dBm]) | -63.43 | -61.69 | -62.53 | -62.53 | -75.09 |



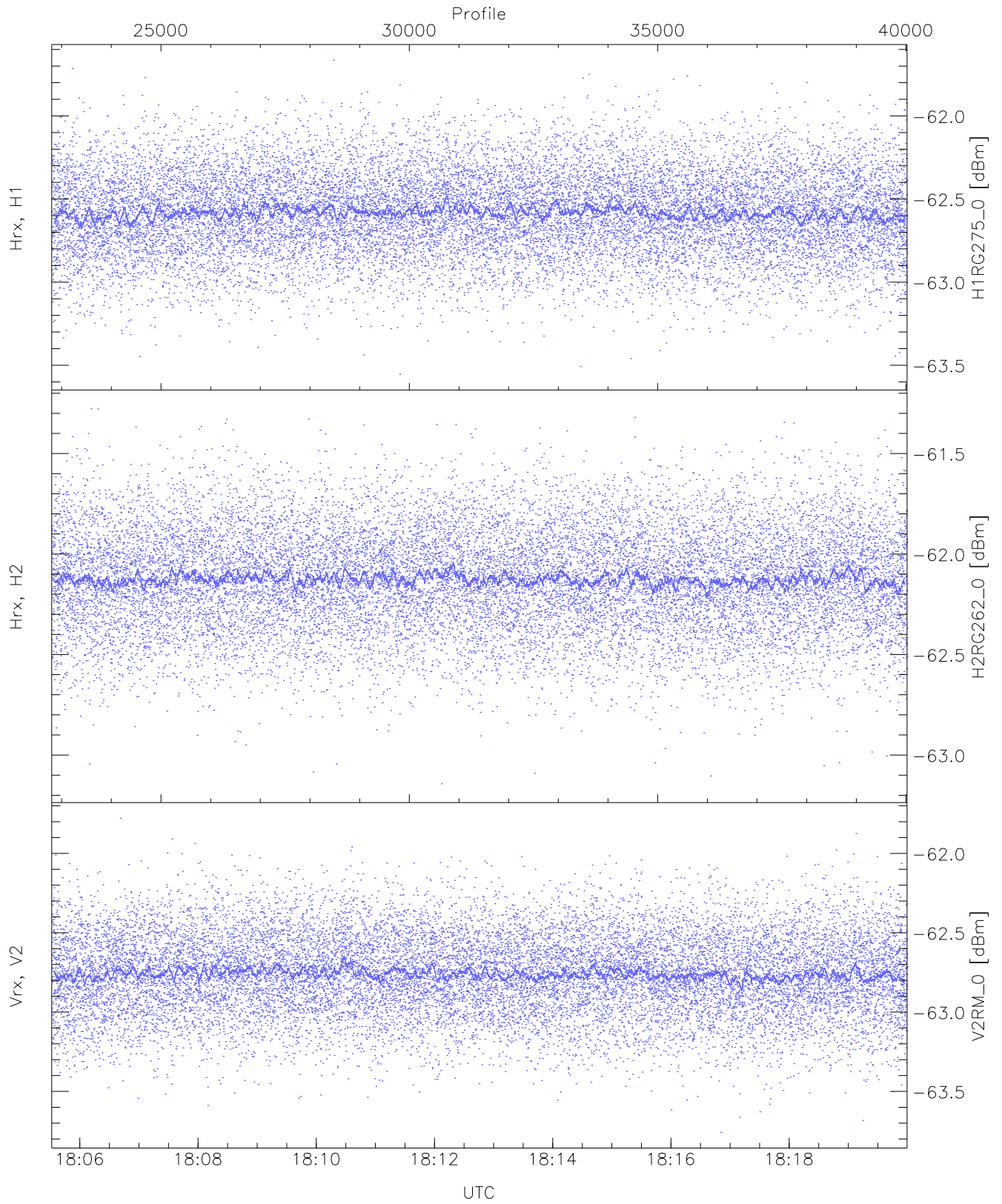
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.80 | -60.85 | -61.74 | -61.75 | -74.31 |
| Hrx, H2 (HL [dBm]) | -62.81 | -60.82 | -61.74 | -61.75 | -74.30 |
| Vrx, V2 (HL [dBm]) | -63.30 | -61.19 | -62.31 | -62.32 | -74.86 |



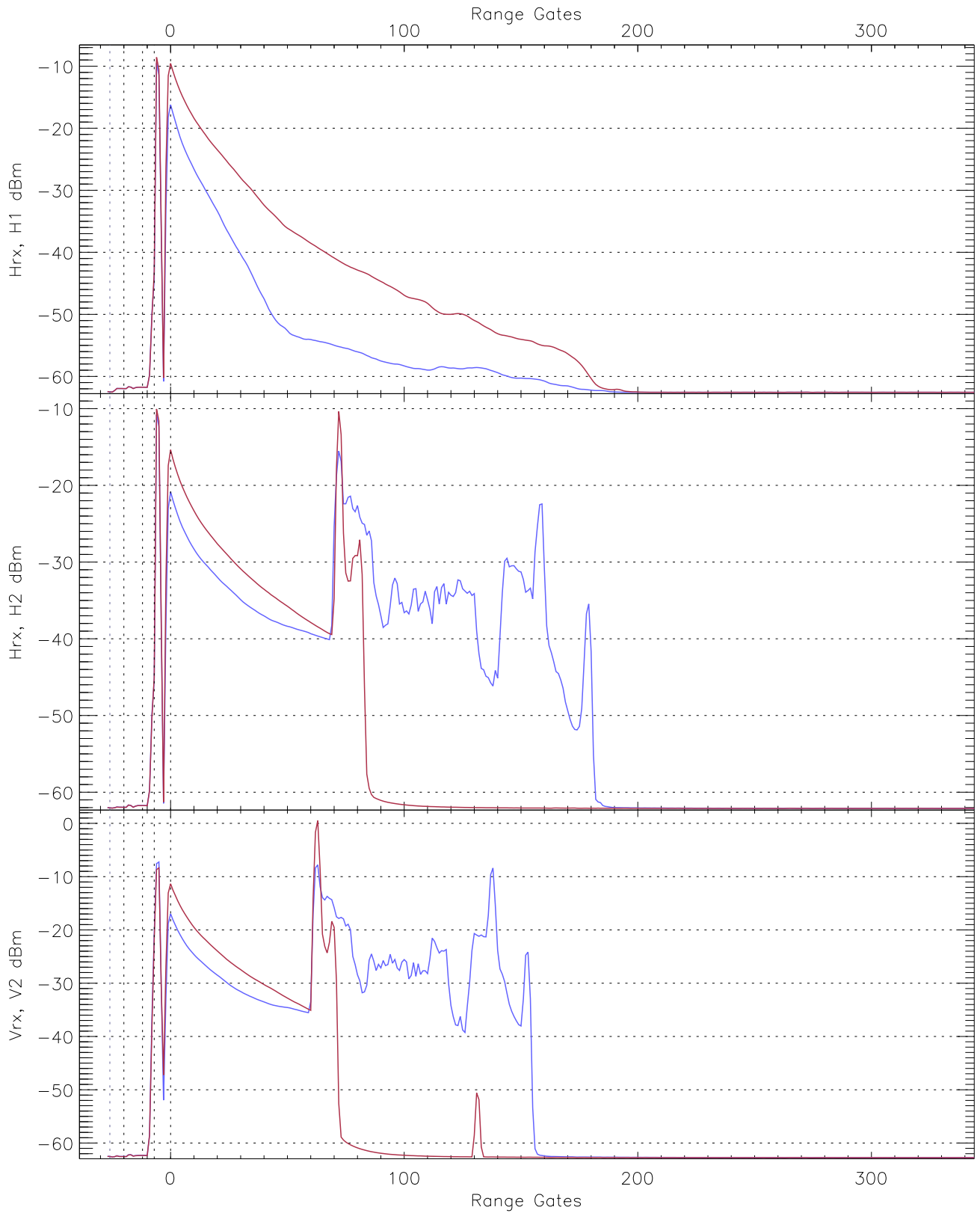
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.47 | -61.56 | -62.49 | -62.49 | -75.01 |
| Hrx, H2 (RM [dBm]) | -63.11 | -61.08 | -62.04 | -62.04 | -74.57 |
| Vrx, V2 (RM [dBm]) | -63.51 | -61.53 | -62.51 | -62.52 | -75.02 |

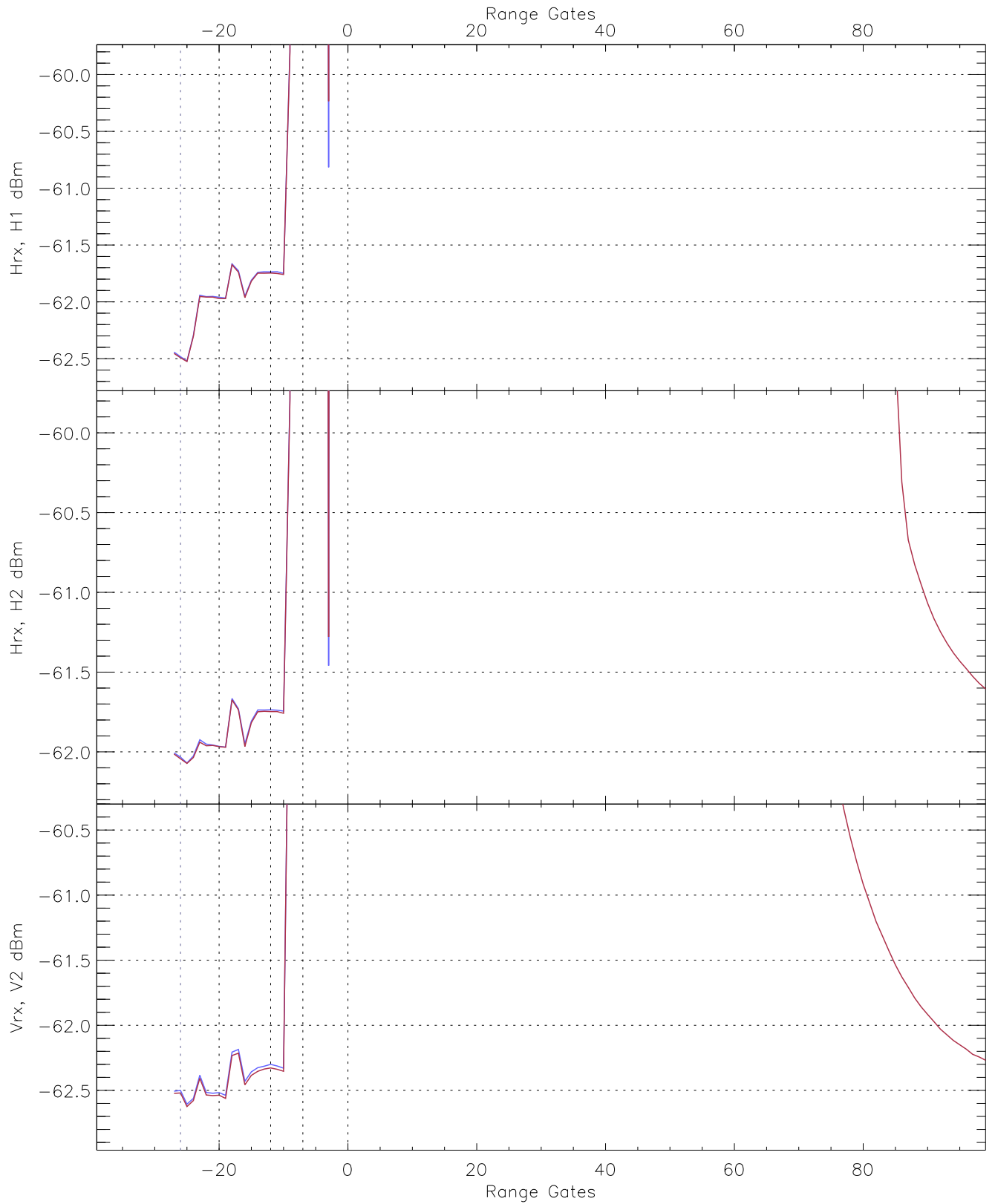


WCR2 CPP "Best" estimate Receivers Noise Power

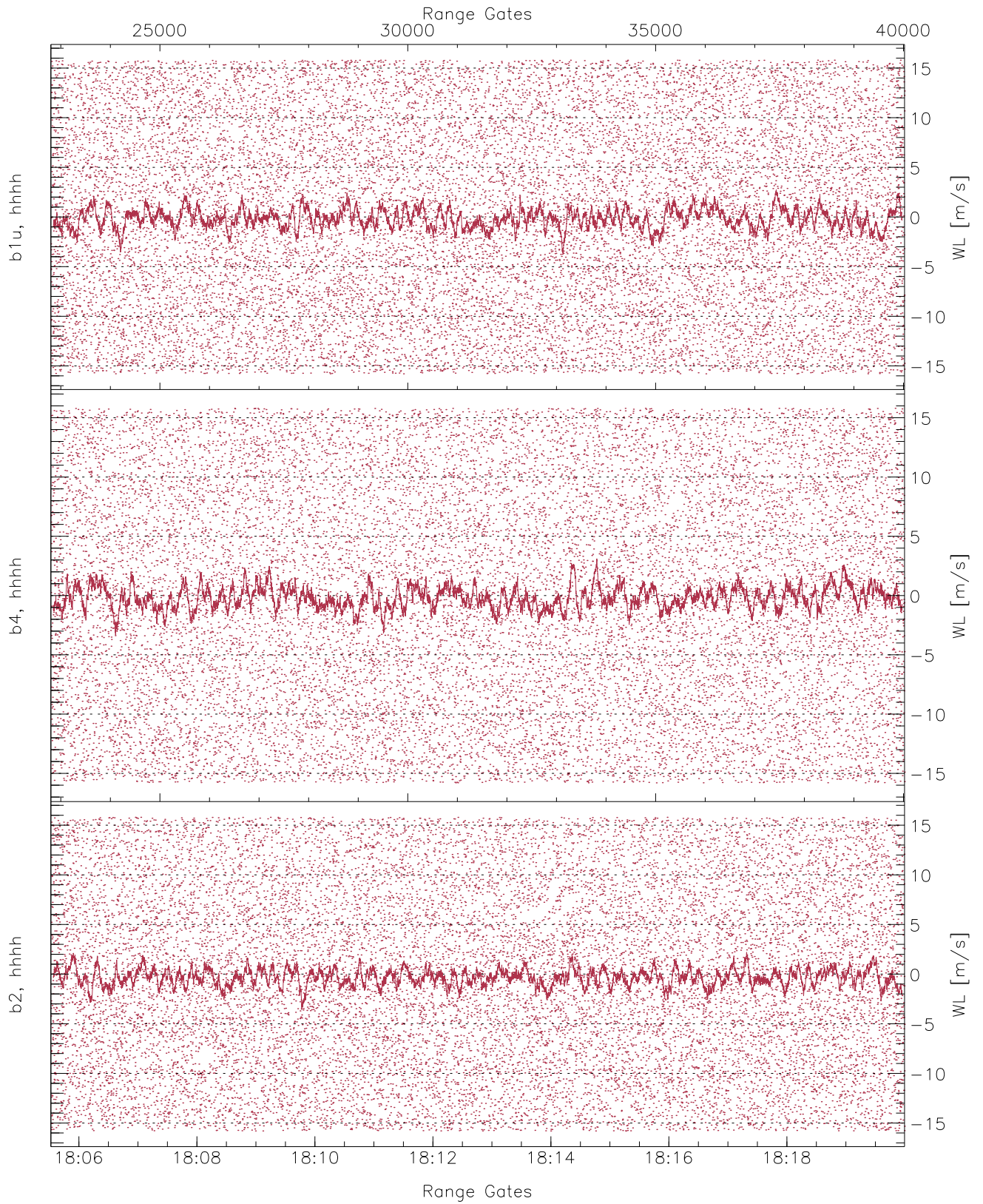
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG275_0 [dBm] | -63.55 | -61.66 | -62.58 | -62.58 | -75.13 |
| H2RG262_0 [dBm] | -63.14 | -61.28 | -62.12 | -62.13 | -74.66 |
| V2RM_0 [dBm] | -63.76 | -61.78 | -62.76 | -62.76 | -75.26 |



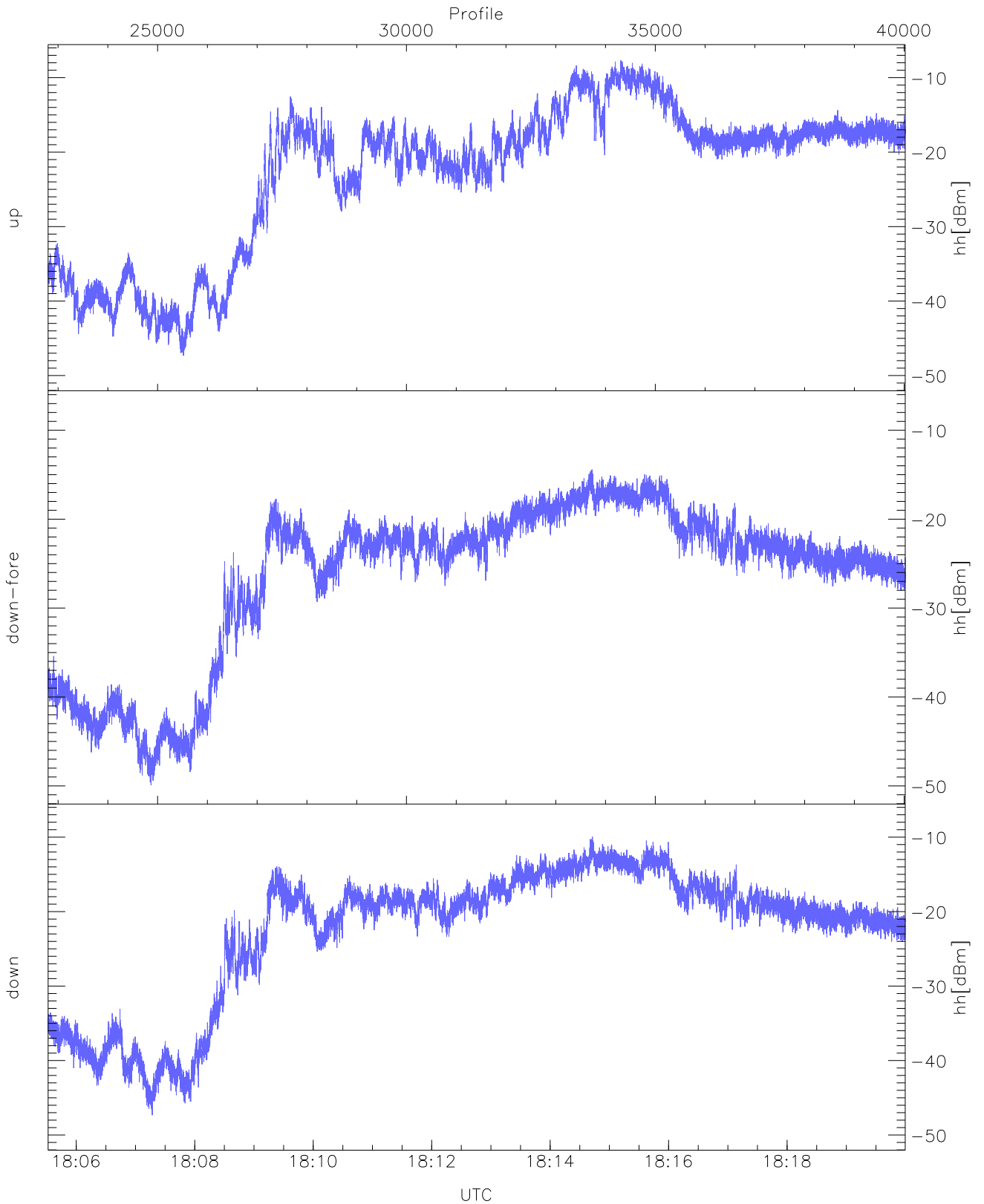
WCR2 CPP Averaged Received power for all recorded gates
blue: 180531-181246, 8612 profiles averaged
red: 181246-182000, 8612 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 180531-181246, 8612 profiles averaged
red: 181246-182000, 8612 profiles averaged

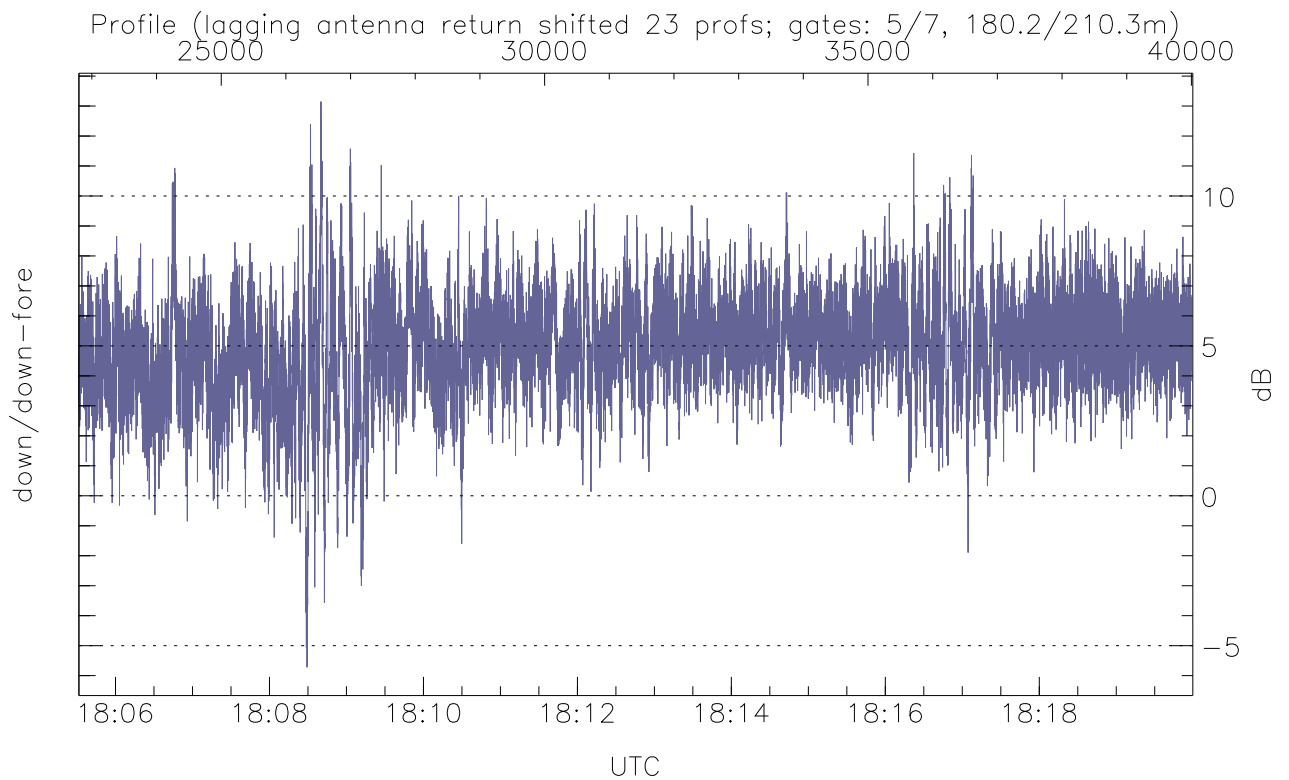
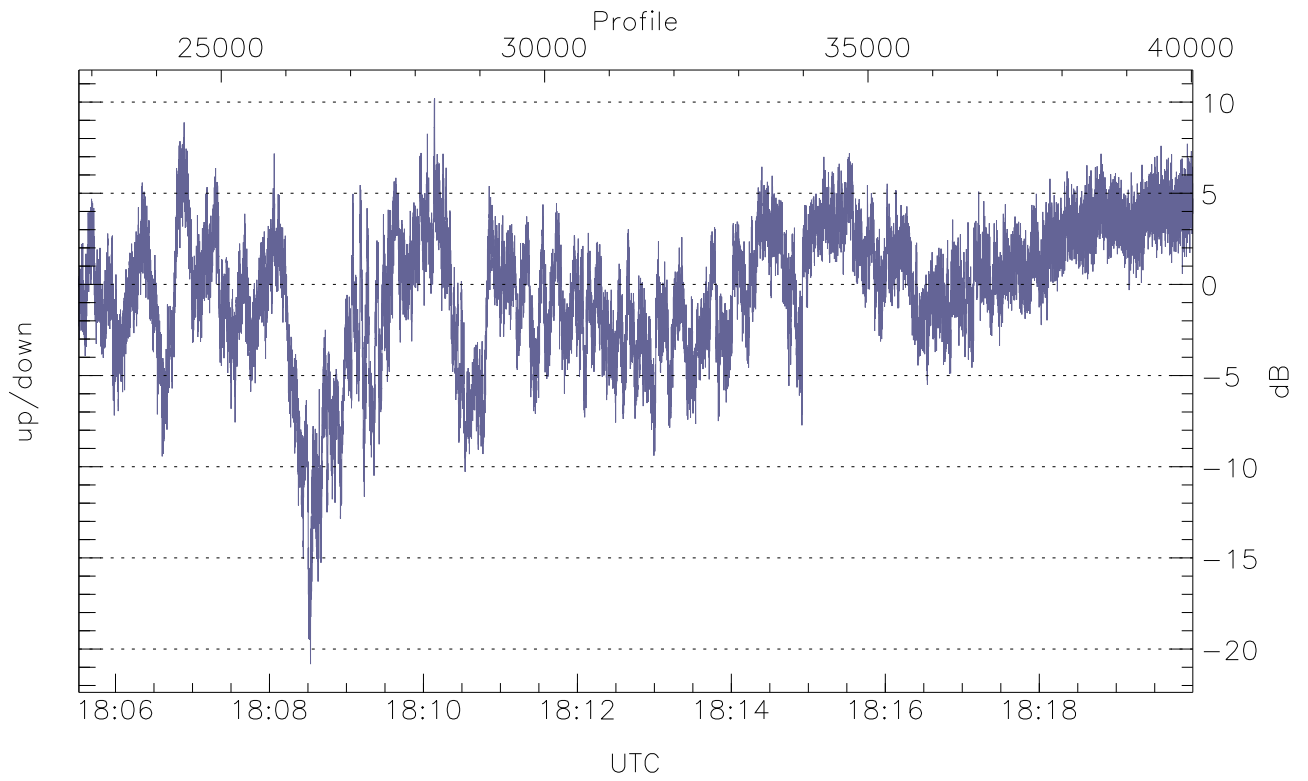


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -47.33 | -7.67 | -17.12 |
| down-fore(hh[dBm]) | -49.93 | -14.42 | -22.04 |
| down(hh[dBm]) | -47.34 | -9.93 | -18.09 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -20.83 | 10.21 | -0.32 |
| down/down-fore (dB) | -5.72 | 13.15 | 4.98 |

