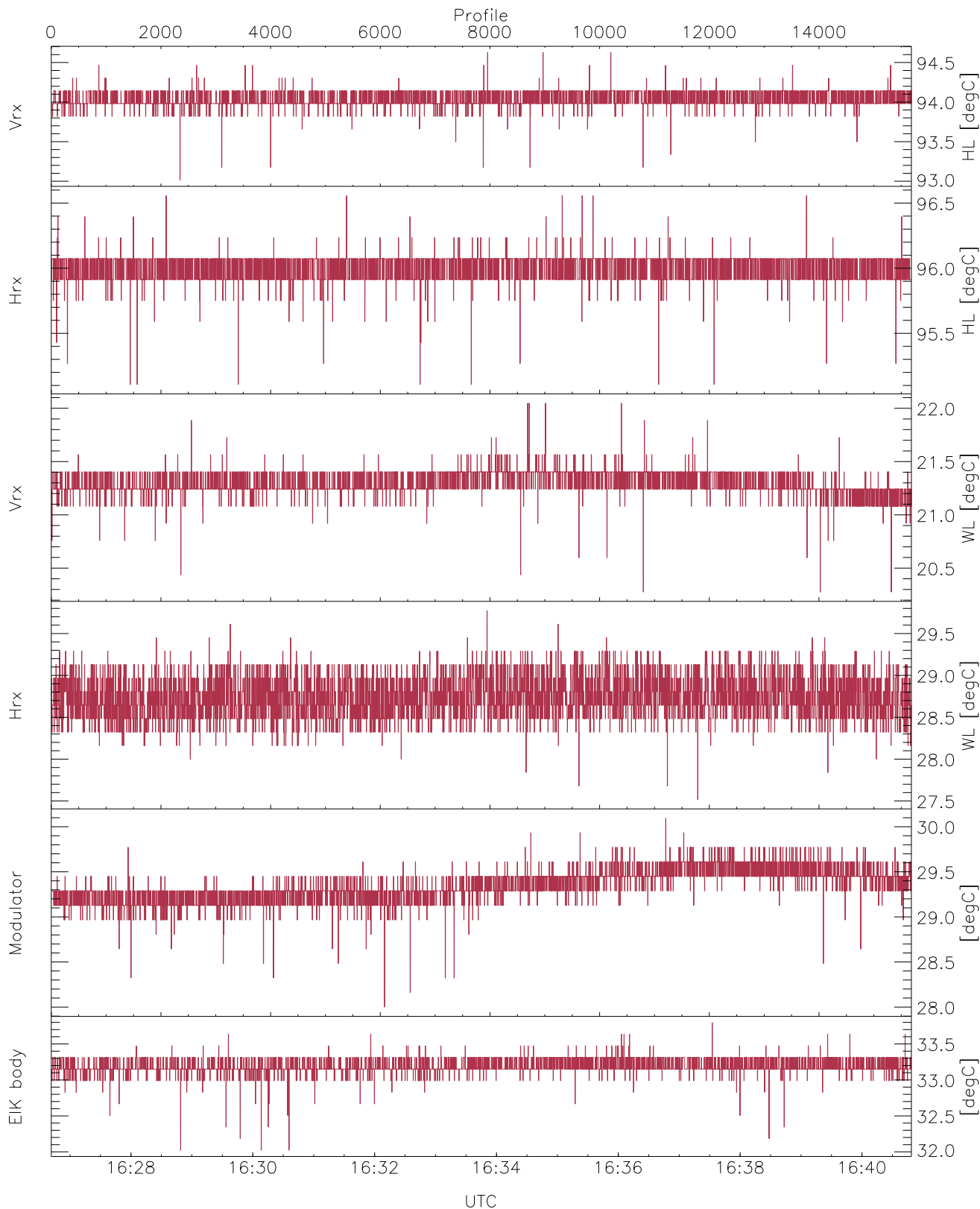


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

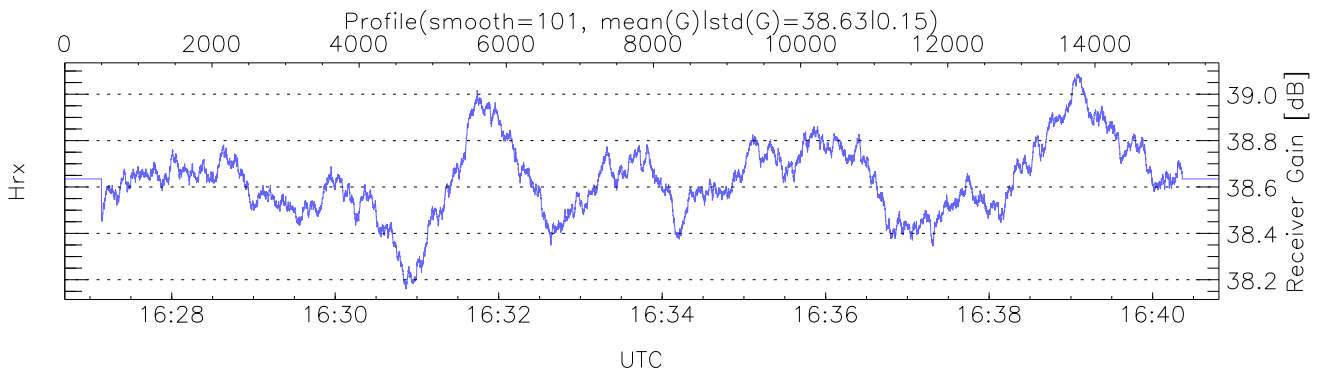
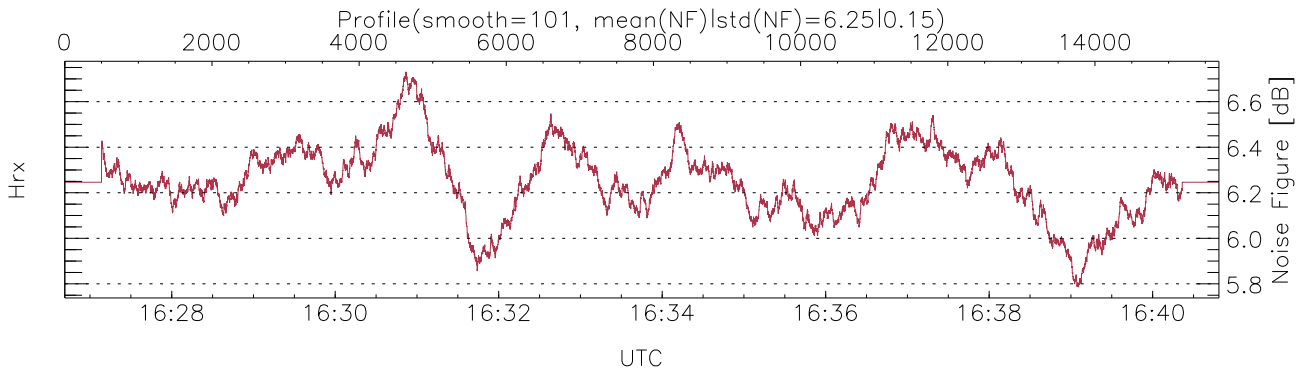
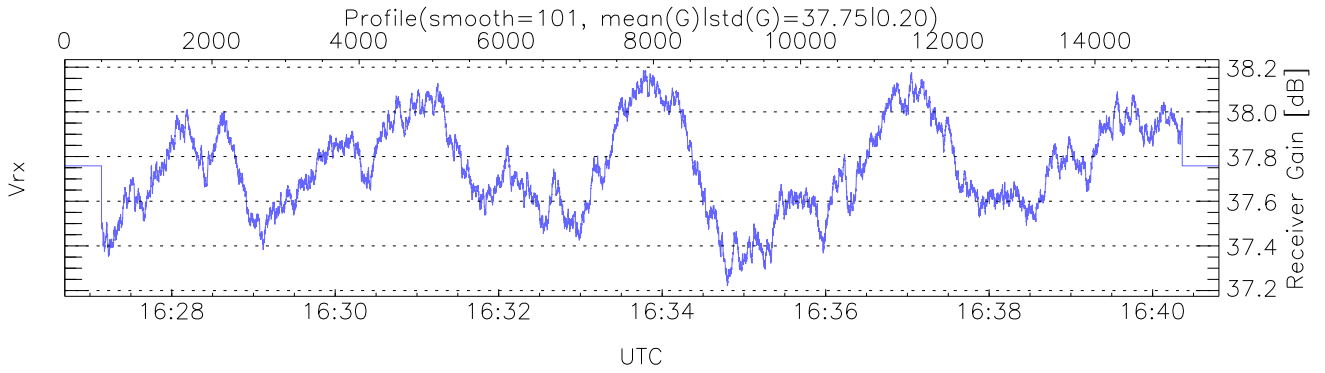
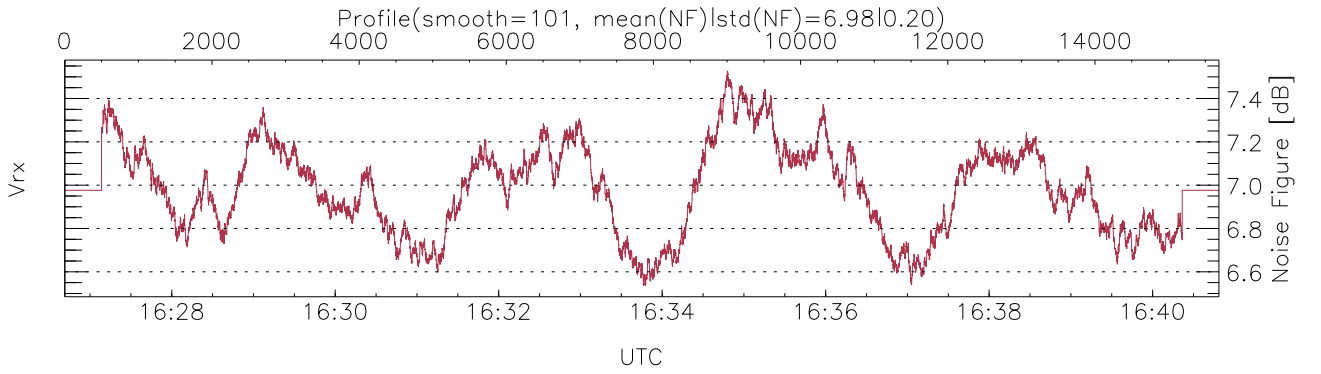
UTC: 16:26:41-16:40:49, Dur: 847.20s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 54.0,54.0,54.0,0.0 ms / 19,19,19
 NumRec(r/t): 15686/15686, 0-15685/16:26:41-16:40:49
 AcqTime: 54.0ms, Rate: 287KB/s, Averages: 180
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



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

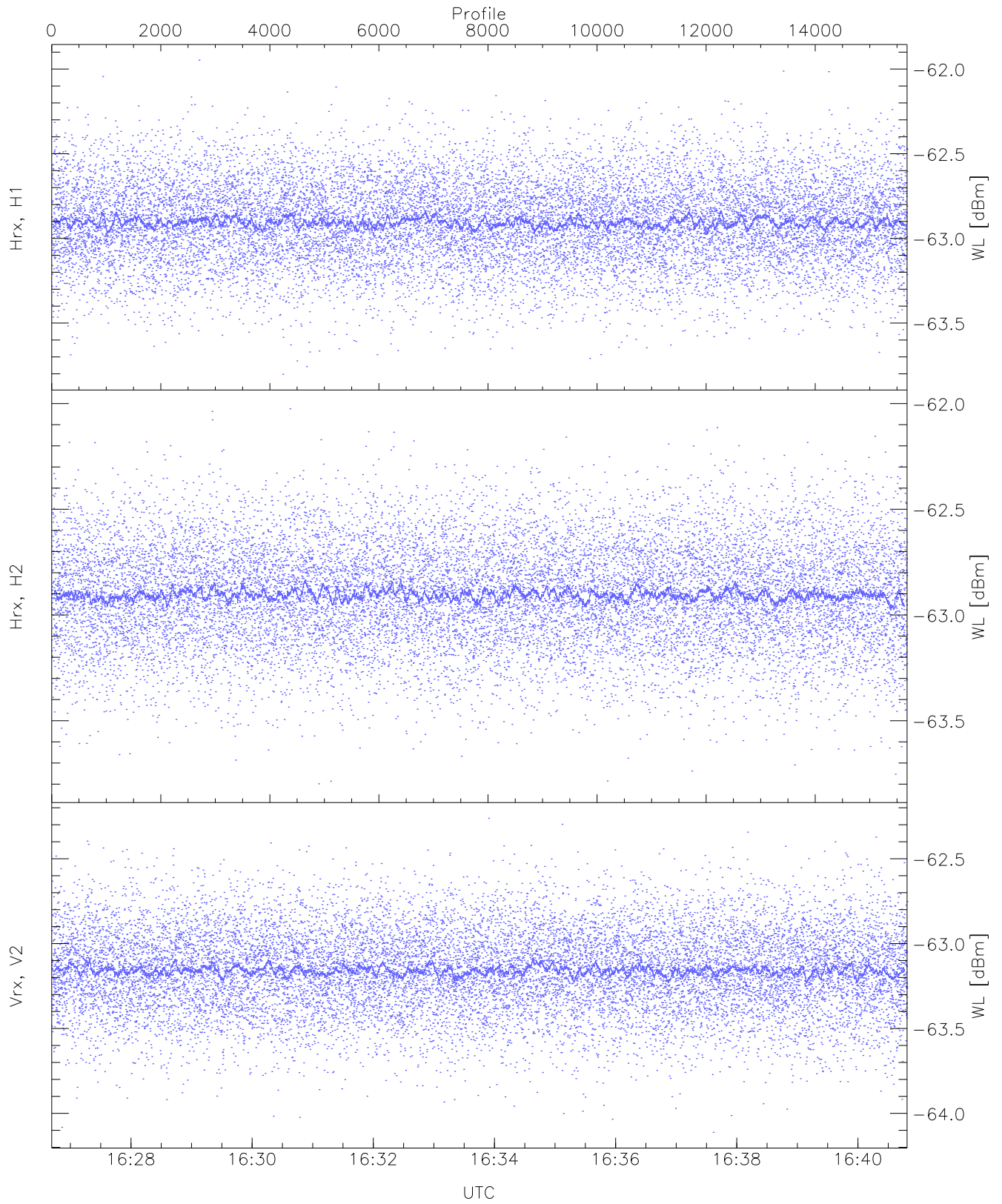
```

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,20,27,28,32
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,22,29,30,33
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
  DeckT,CollT,BodyCurr,DeckF,OverDuty (10,5,10,10,5)
    
```



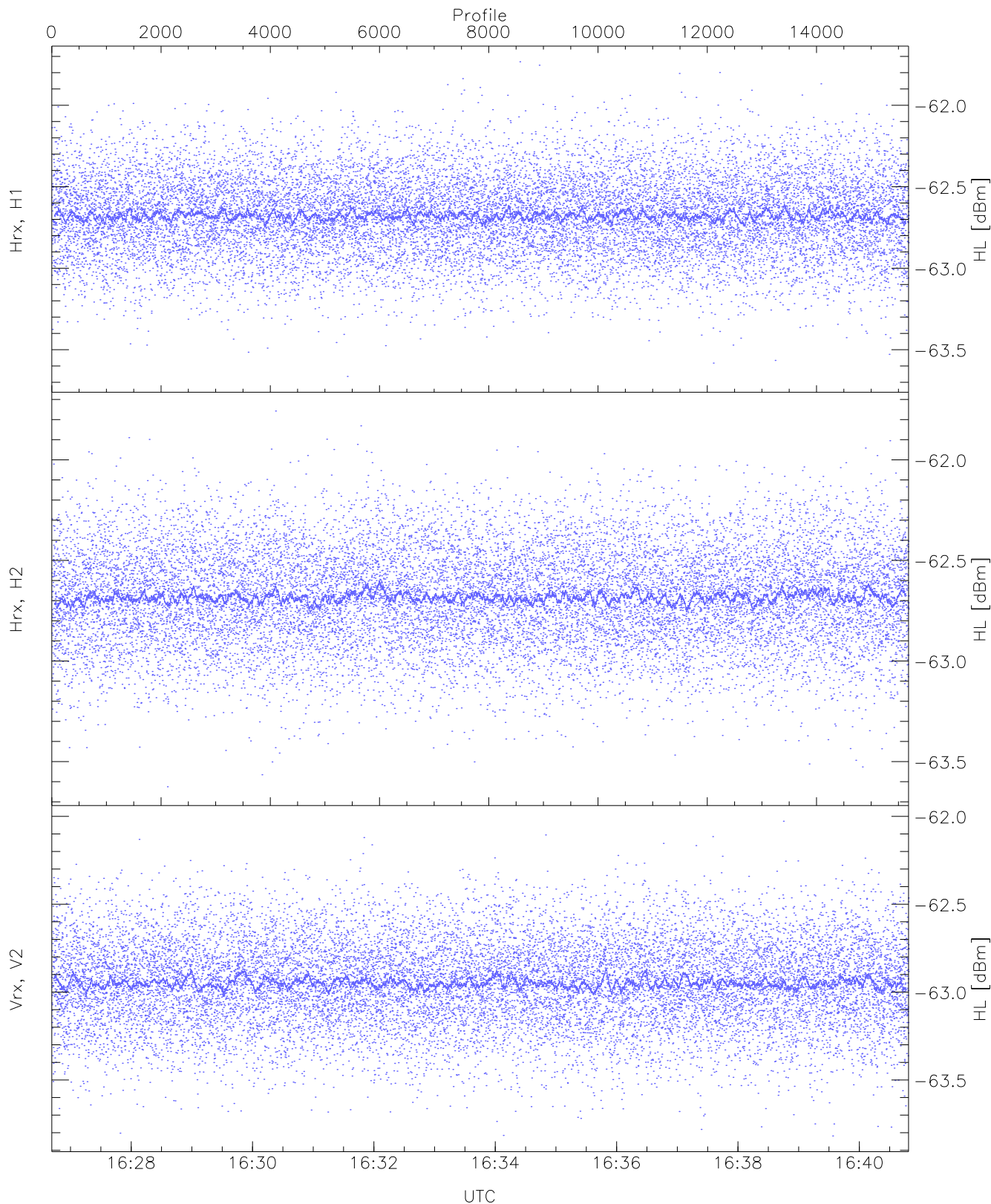
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 876 pixs, 58 gates, 816 profs, 2 prods



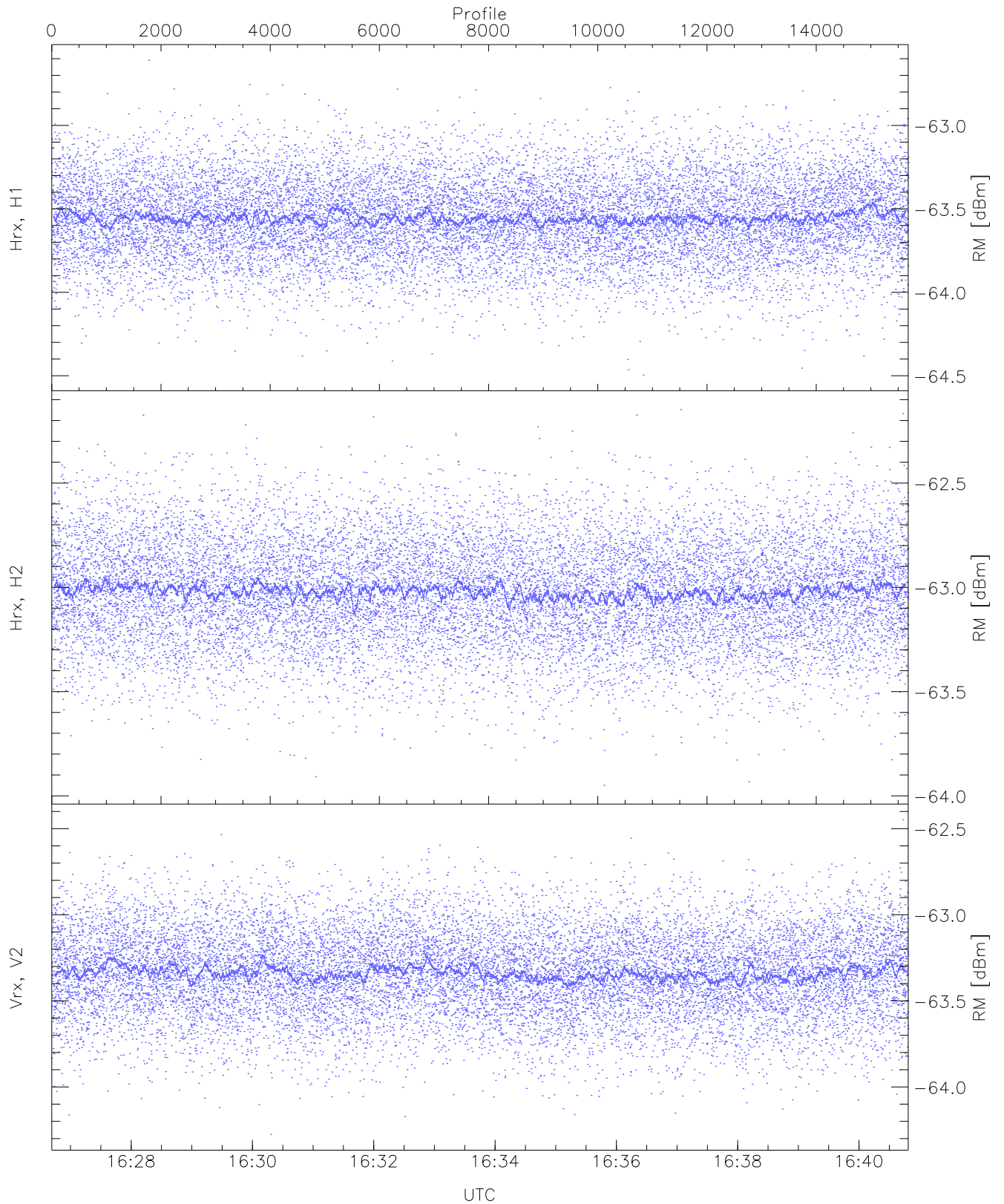
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -63.80 | -61.95 | -62.90 | -62.91 | -75.59 |
| Hrx, H2(WL [dBm]) | -63.80 | -62.02 | -62.90 | -62.91 | -75.63 |
| Vrx, V2(WL [dBm]) | -64.11 | -62.26 | -63.15 | -63.16 | -75.83 |



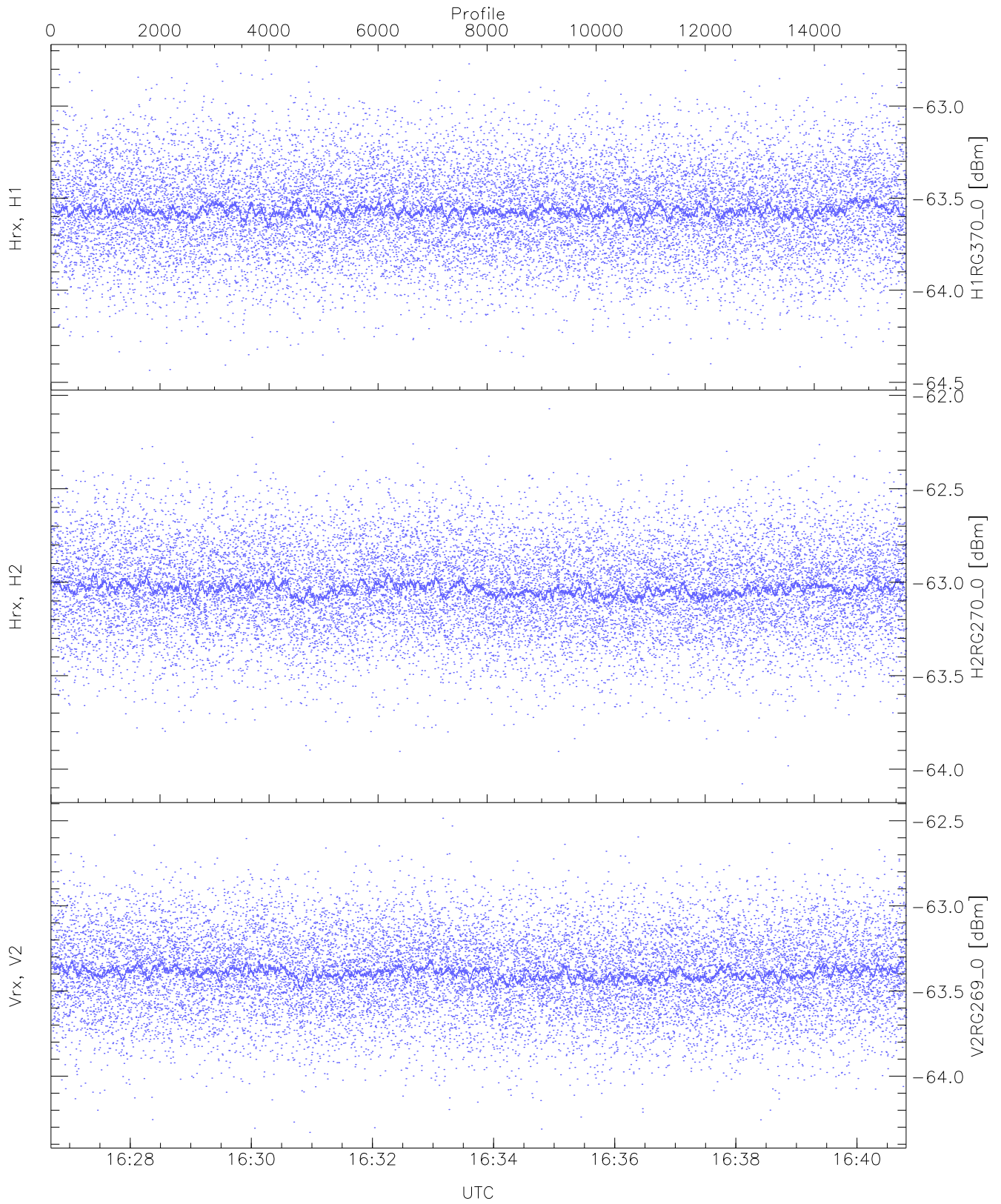
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.66 | -61.73 | -62.67 | -62.68 | -75.34 |
| Hrx, H2 (HL [dBm]) | -63.63 | -61.76 | -62.68 | -62.68 | -75.40 |
| Vrx, V2 (HL [dBm]) | -63.82 | -62.03 | -62.94 | -62.95 | -75.62 |



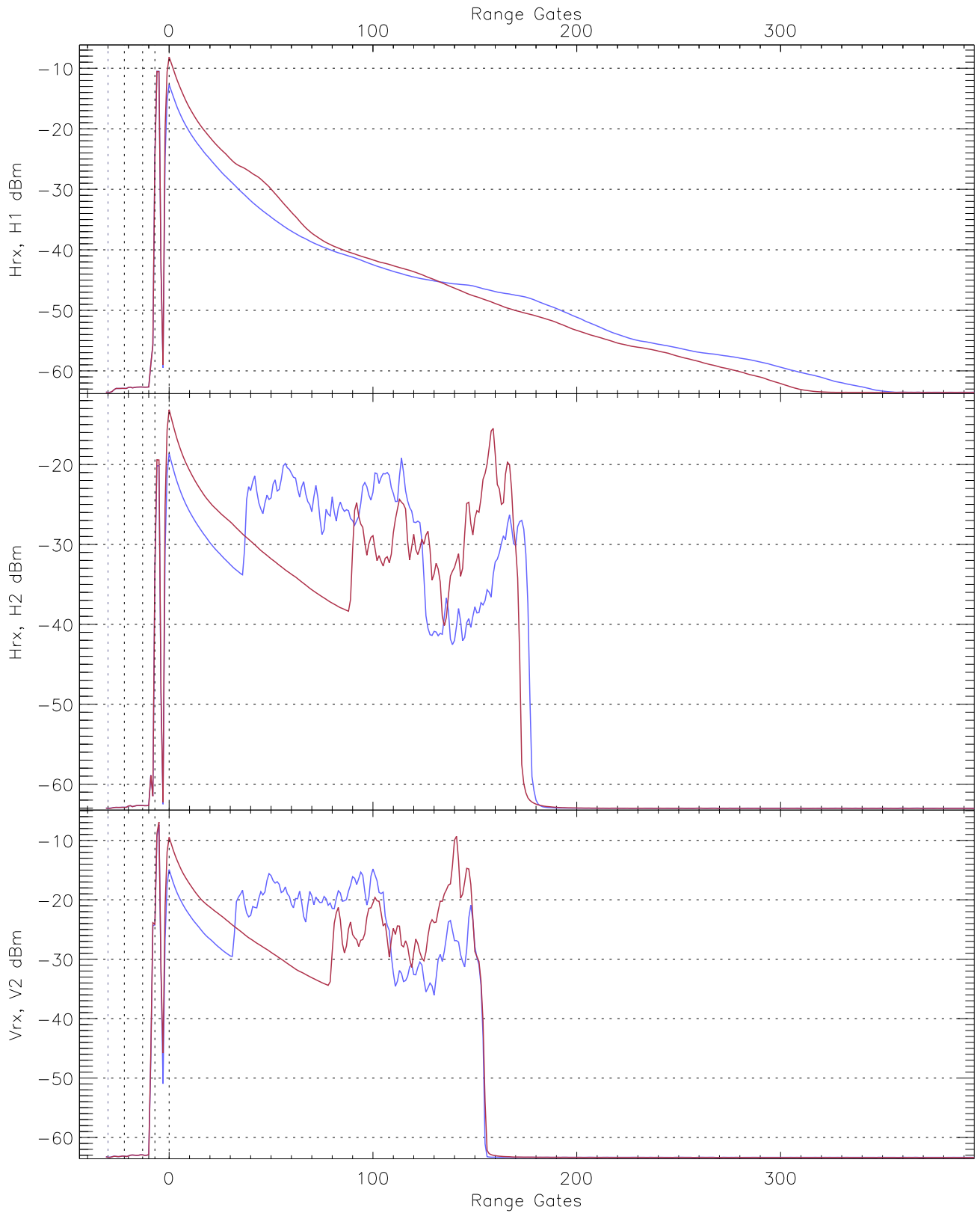
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.50 | -62.61 | -63.55 | -63.56 | -76.27 |
| Hrx, H2 (RM [dBm]) | -63.95 | -62.15 | -63.02 | -63.02 | -75.72 |
| Vrx, V2 (RM [dBm]) | -64.28 | -62.45 | -63.34 | -63.34 | -76.05 |

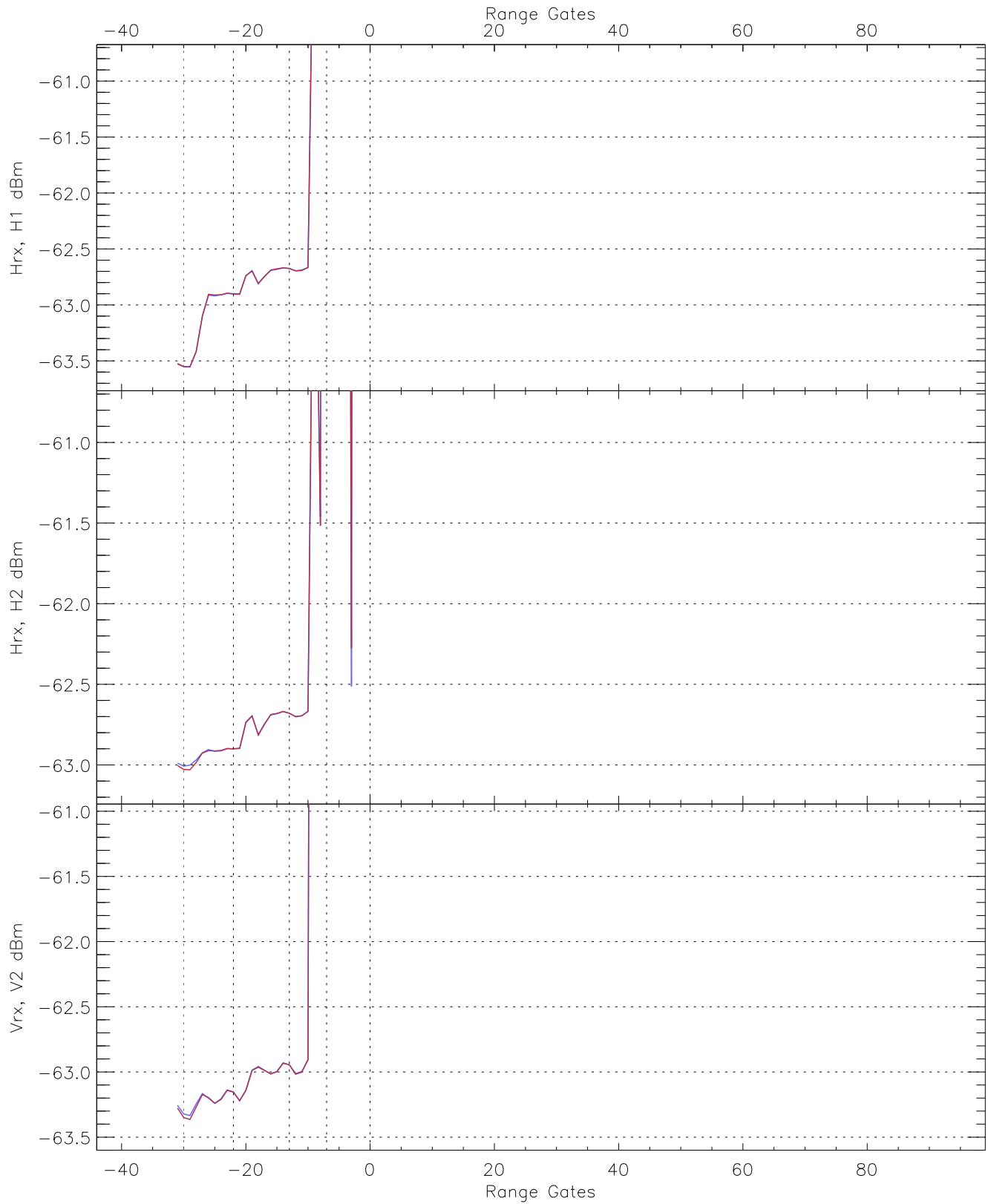


WCR2 CPP "Best" estimate Receivers Noise Power

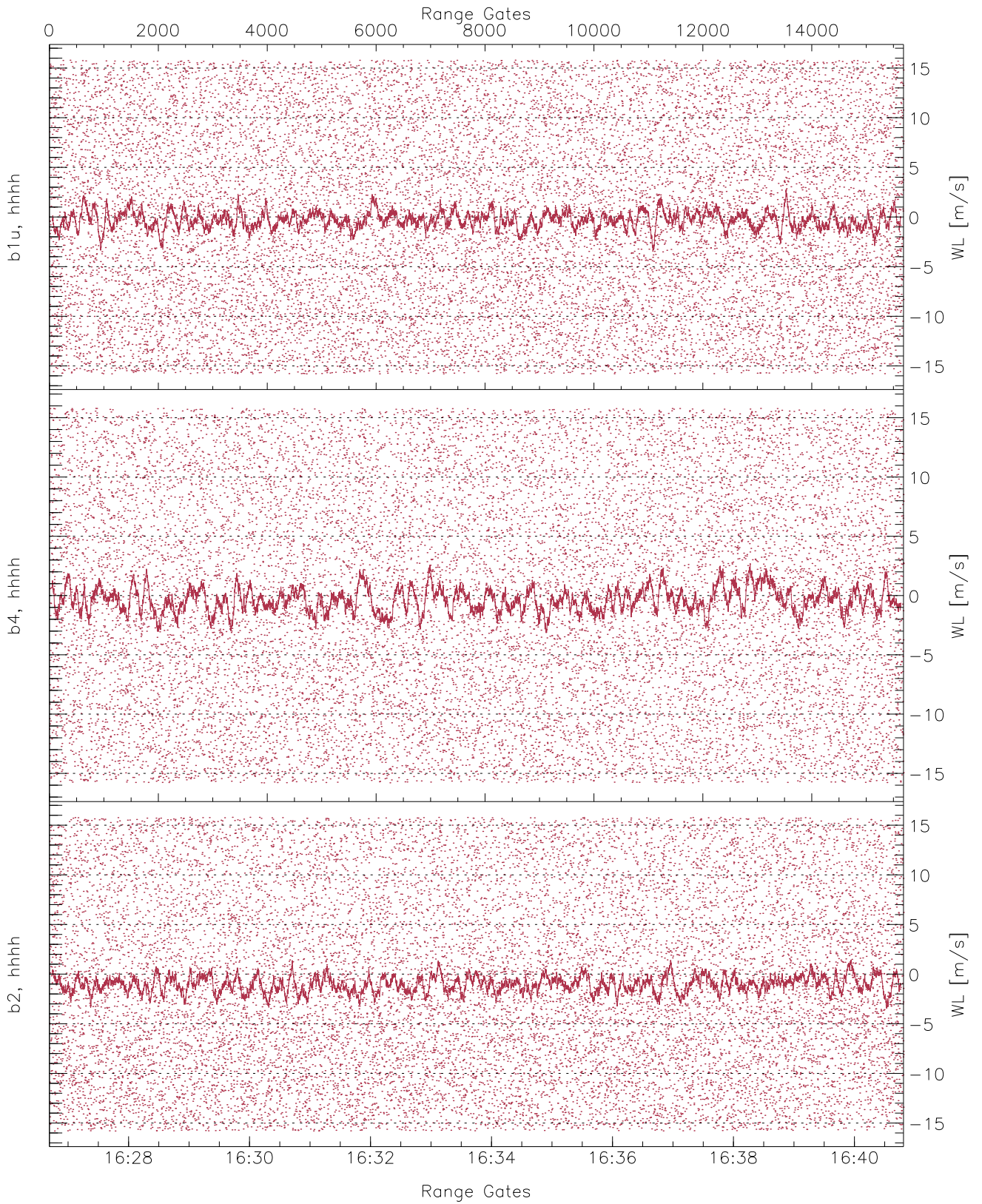
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG370_0 [dBm] | -64.46 | -62.75 | -63.56 | -63.57 | -76.26 |
| H2RG270_0 [dBm] | -64.08 | -62.07 | -63.03 | -63.04 | -75.77 |
| V2RG269_0 [dBm] | -64.33 | -62.49 | -63.39 | -63.39 | -76.06 |



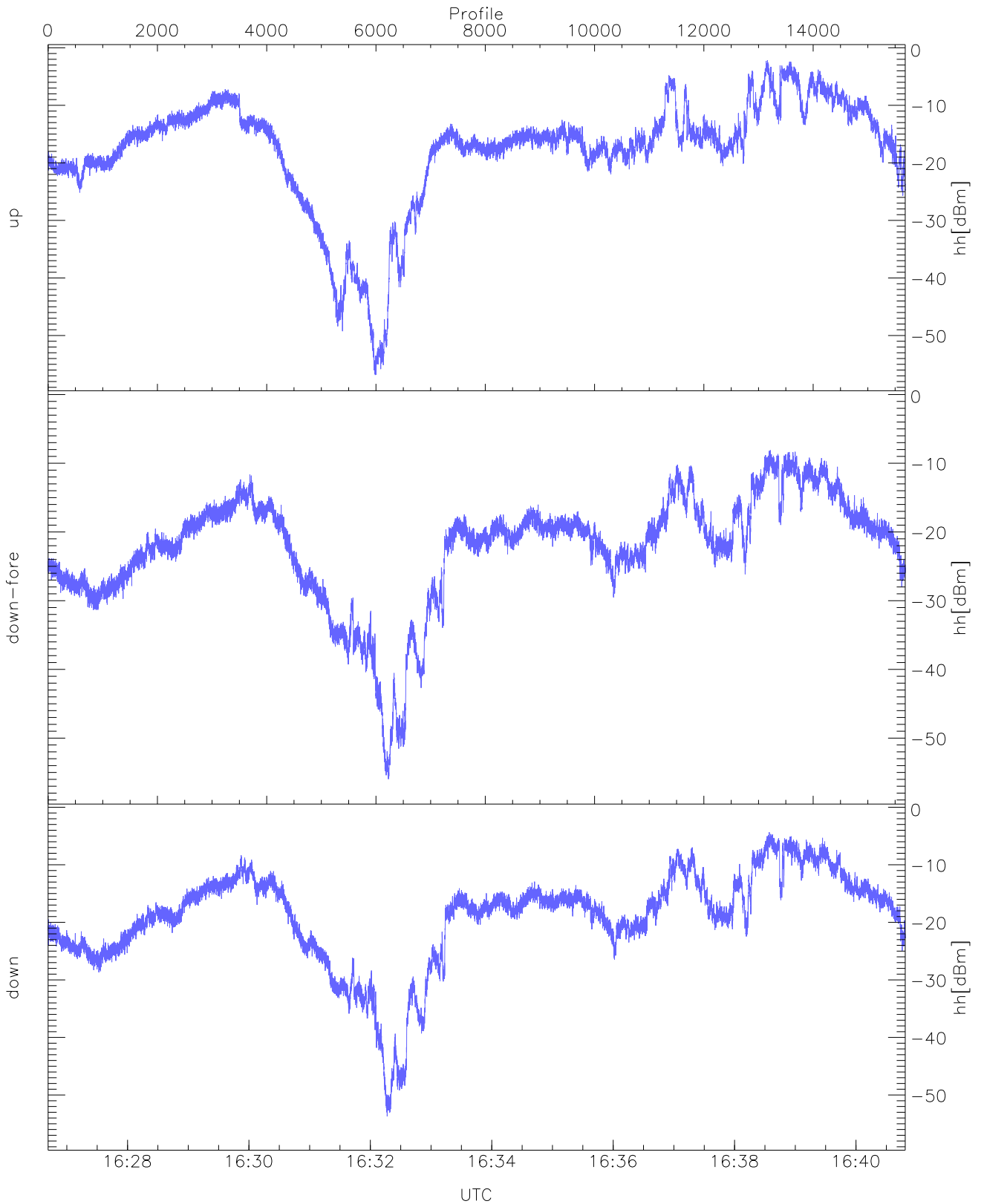
WCR2 CPP Averaged Received power for all recorded gates
blue: 162641-163345, 7844 profiles averaged
red: 163345-164049, 7843 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 162641-163345, 7844 profiles averaged
red: 163345-164049, 7843 profiles averaged

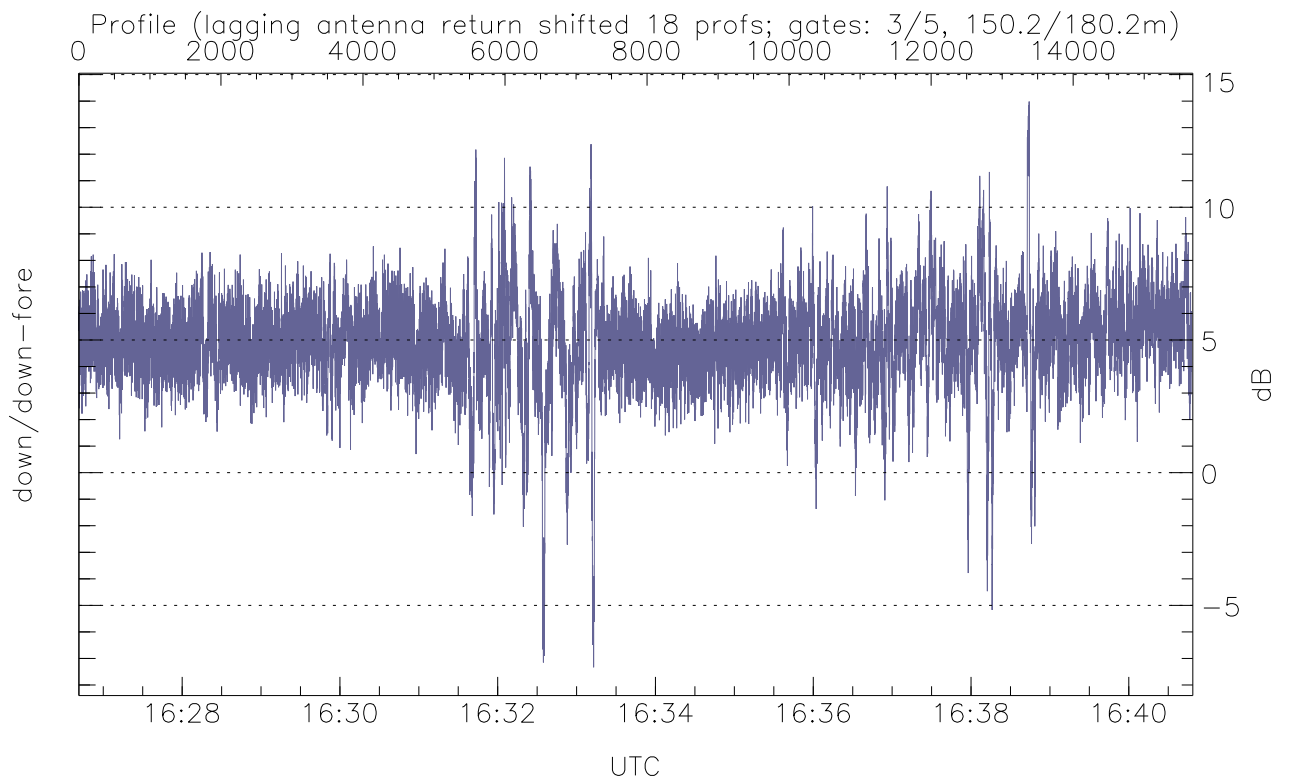
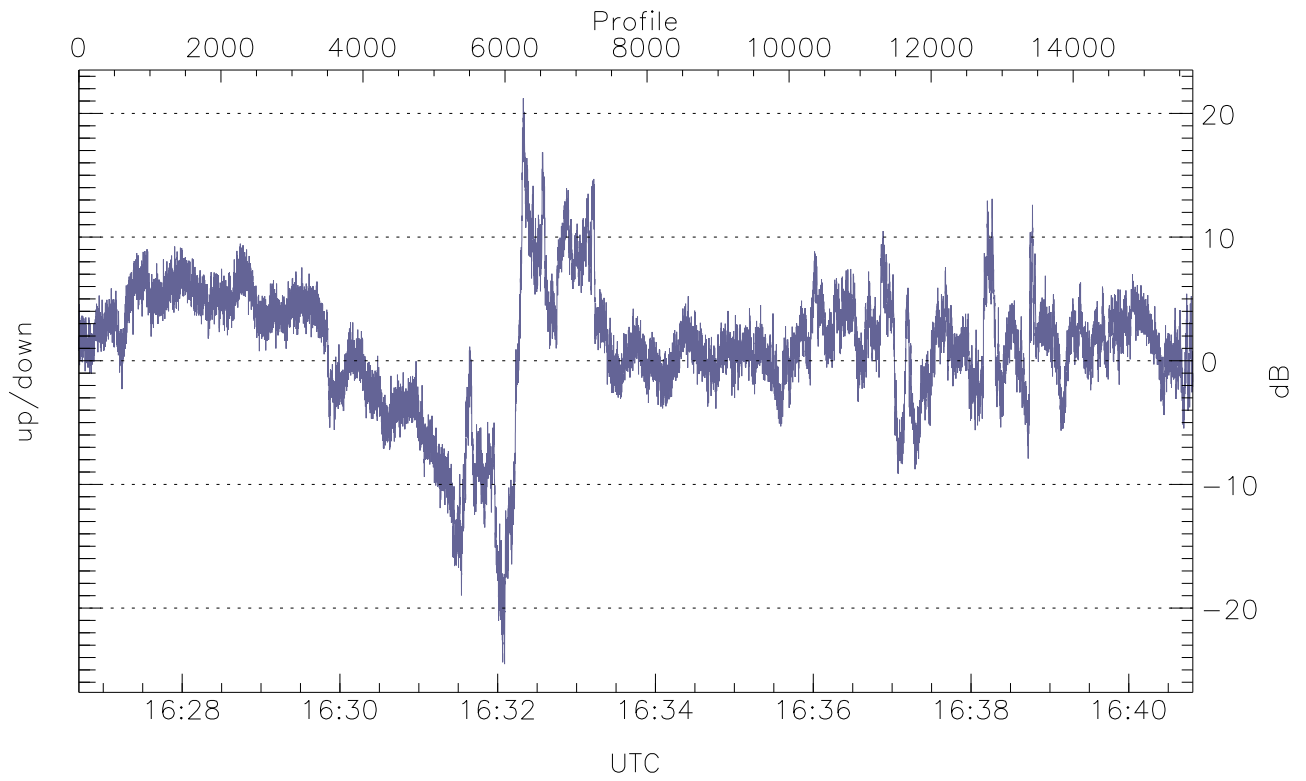


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



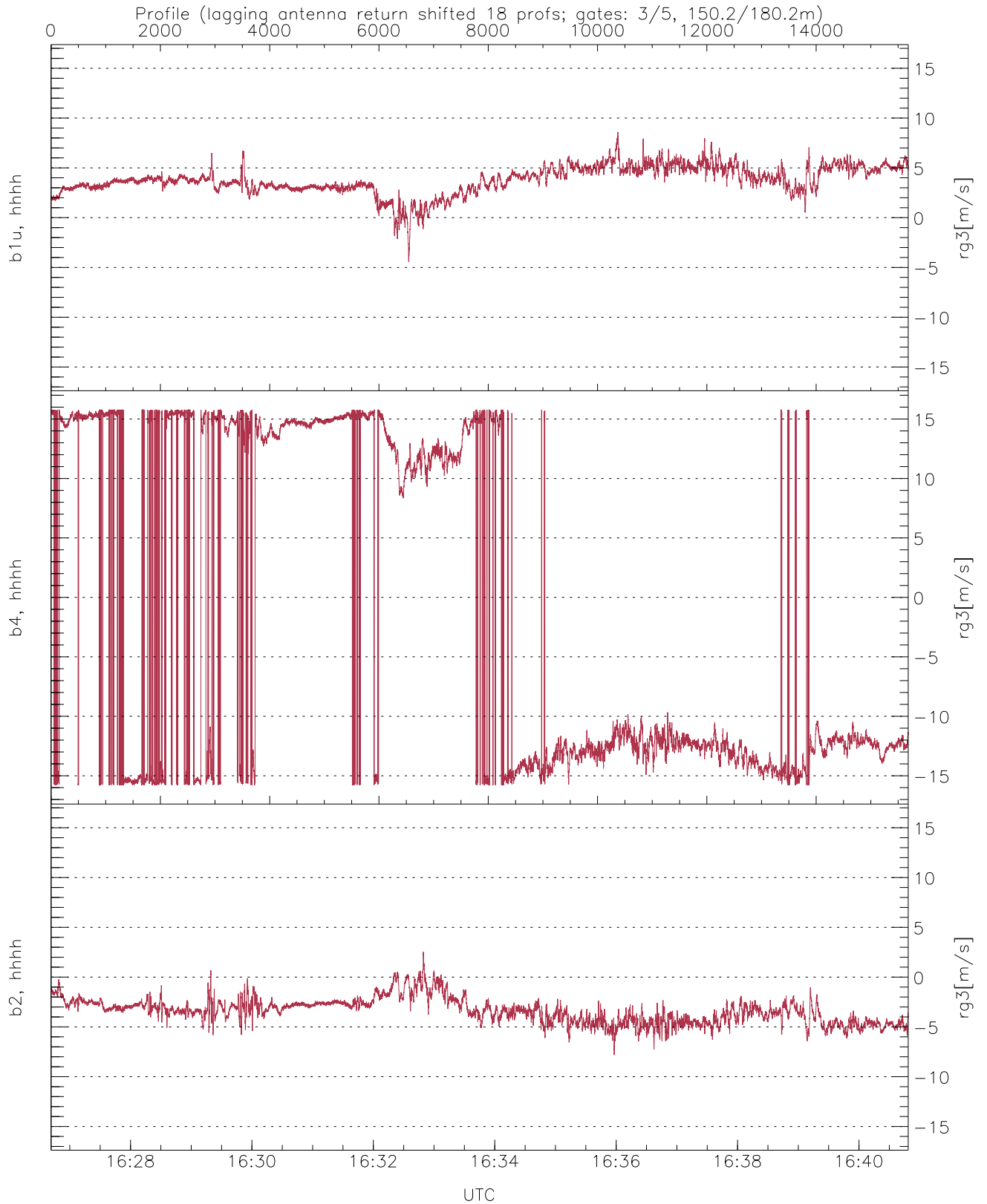
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|--------------------|--------|-------|--------|
| up(hh[dBm]) | -56.86 | -2.18 | -12.79 |
| down-fore(hh[dBm]) | -55.97 | -8.10 | -17.95 |
| down(hh[dBm]) | -53.73 | -4.35 | -14.50 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 3 (150 m)

| | Min | Max | Mean |
|---------------------|--------|-------|------|
| up/down (dB) | -24.53 | 21.22 | 1.14 |
| down/down-fore (dB) | -7.33 | 13.99 | 4.90 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -4.46 | 8.59 | 3.77 | 1.41 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | -1.32 | 13.80 |
| b2, hhhh(rg3[m/s]) | -7.81 | 2.53 | -3.39 | 1.24 |