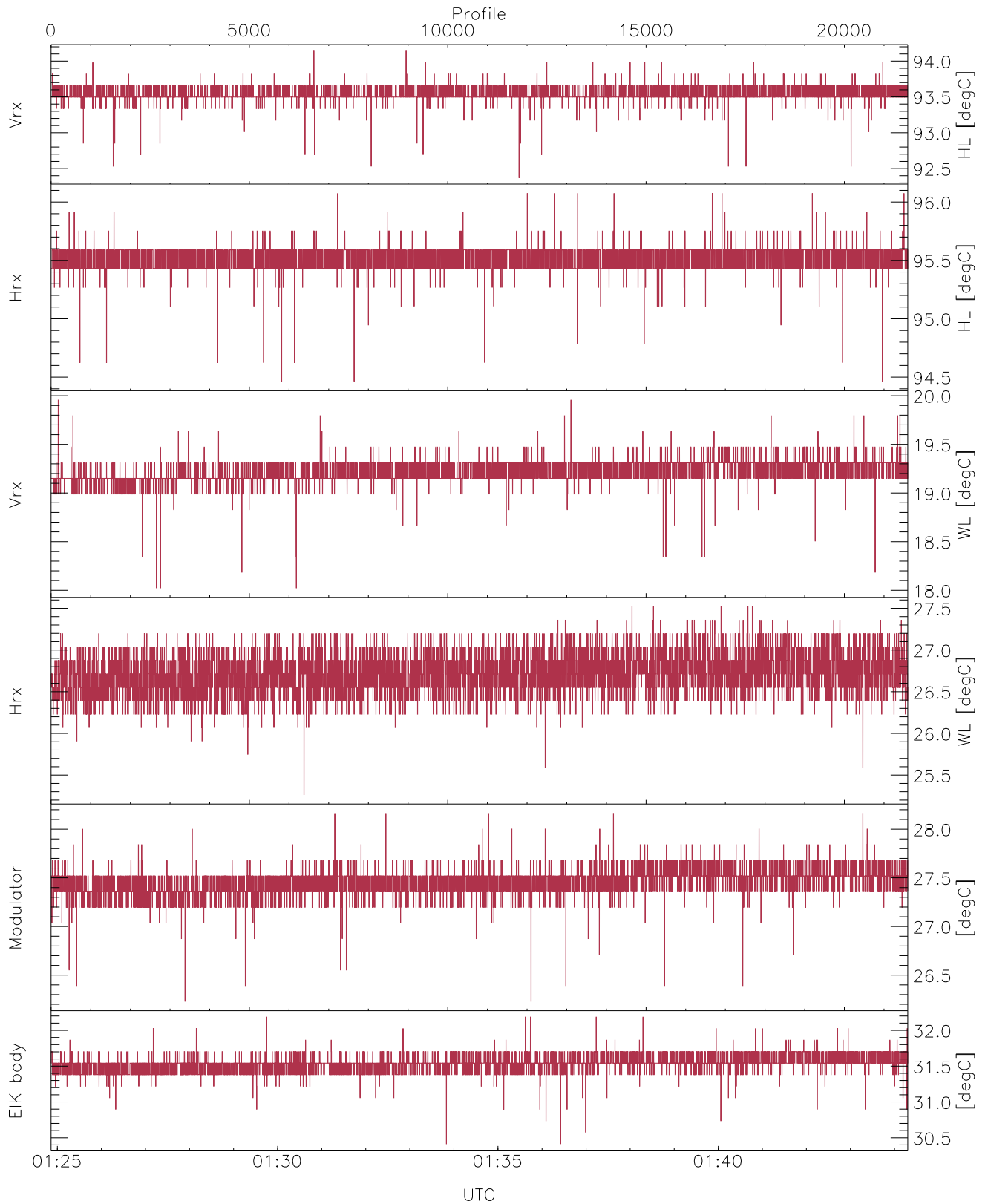


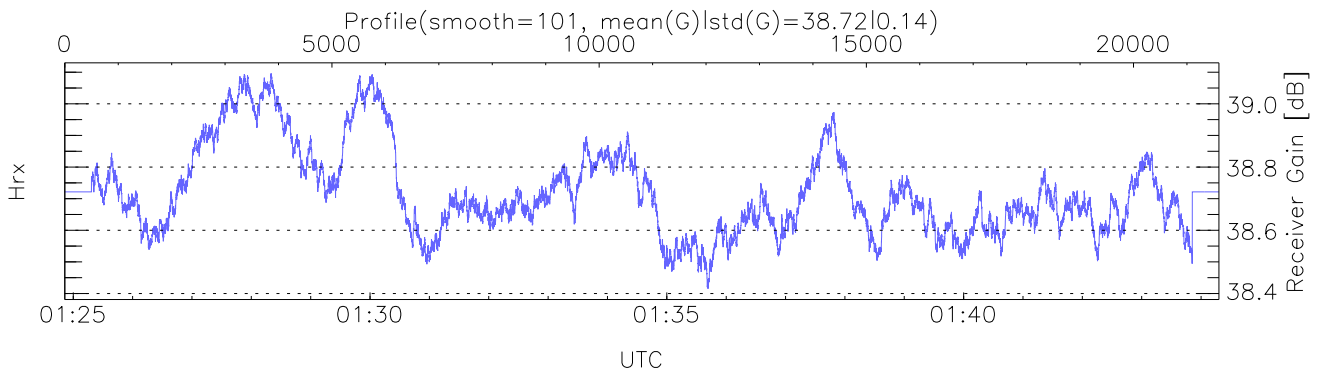
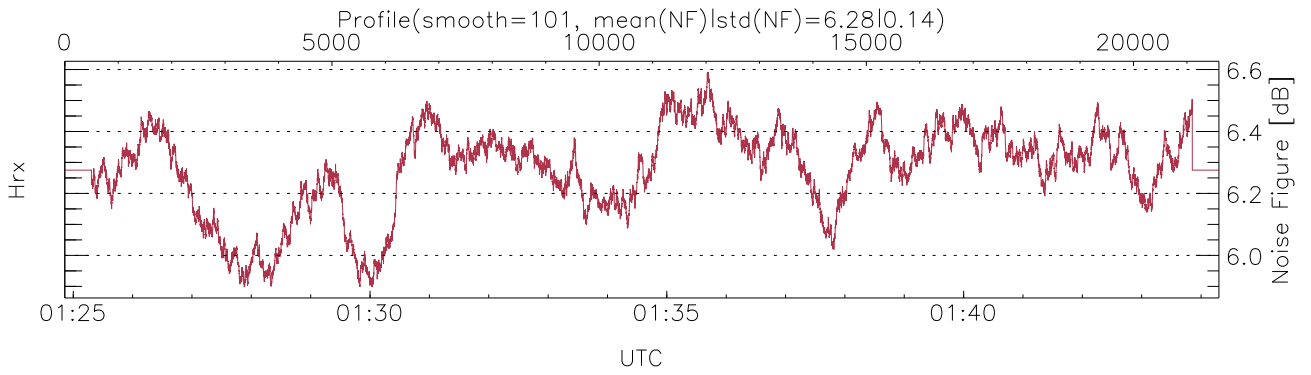
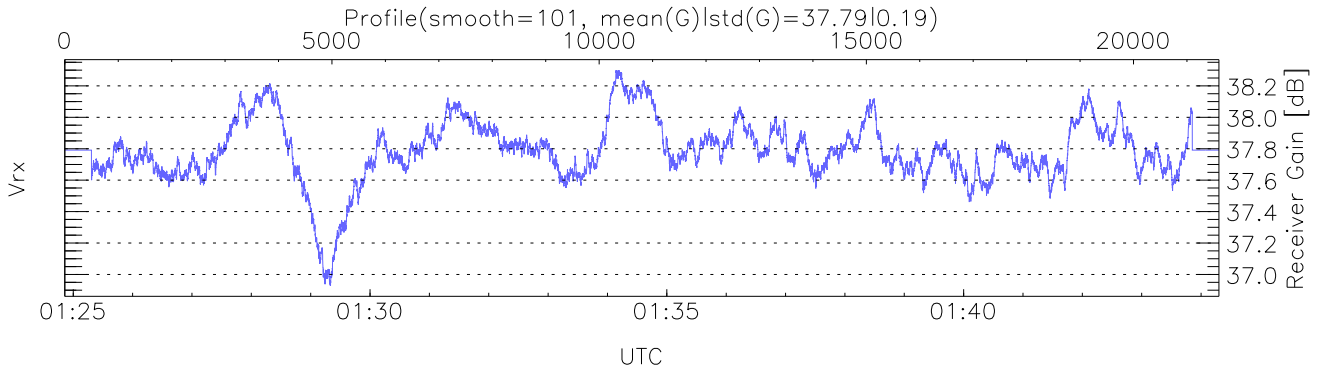
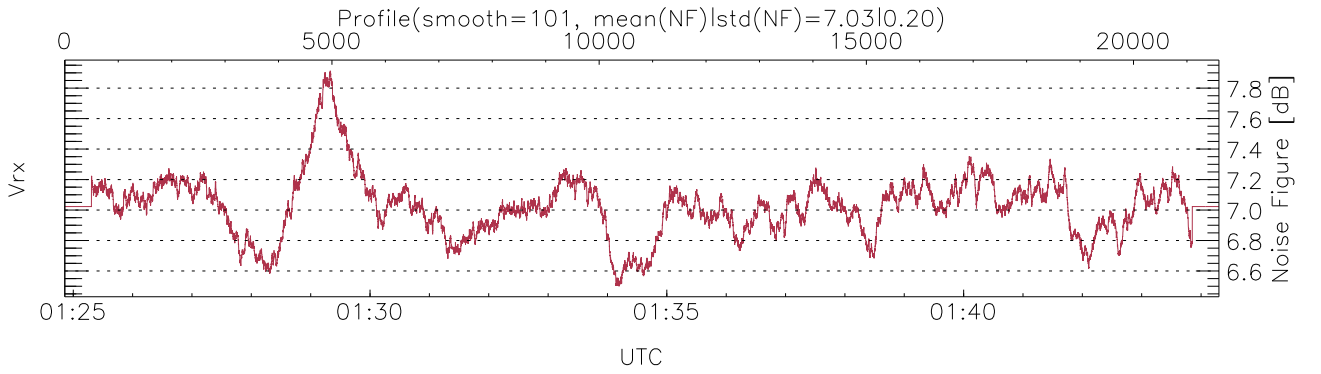
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 01:24:51-01:51:08, Dur: 1576.76s
 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): 21600/29193, 0-21599/01:24:51-01:44:18
 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,rgs): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



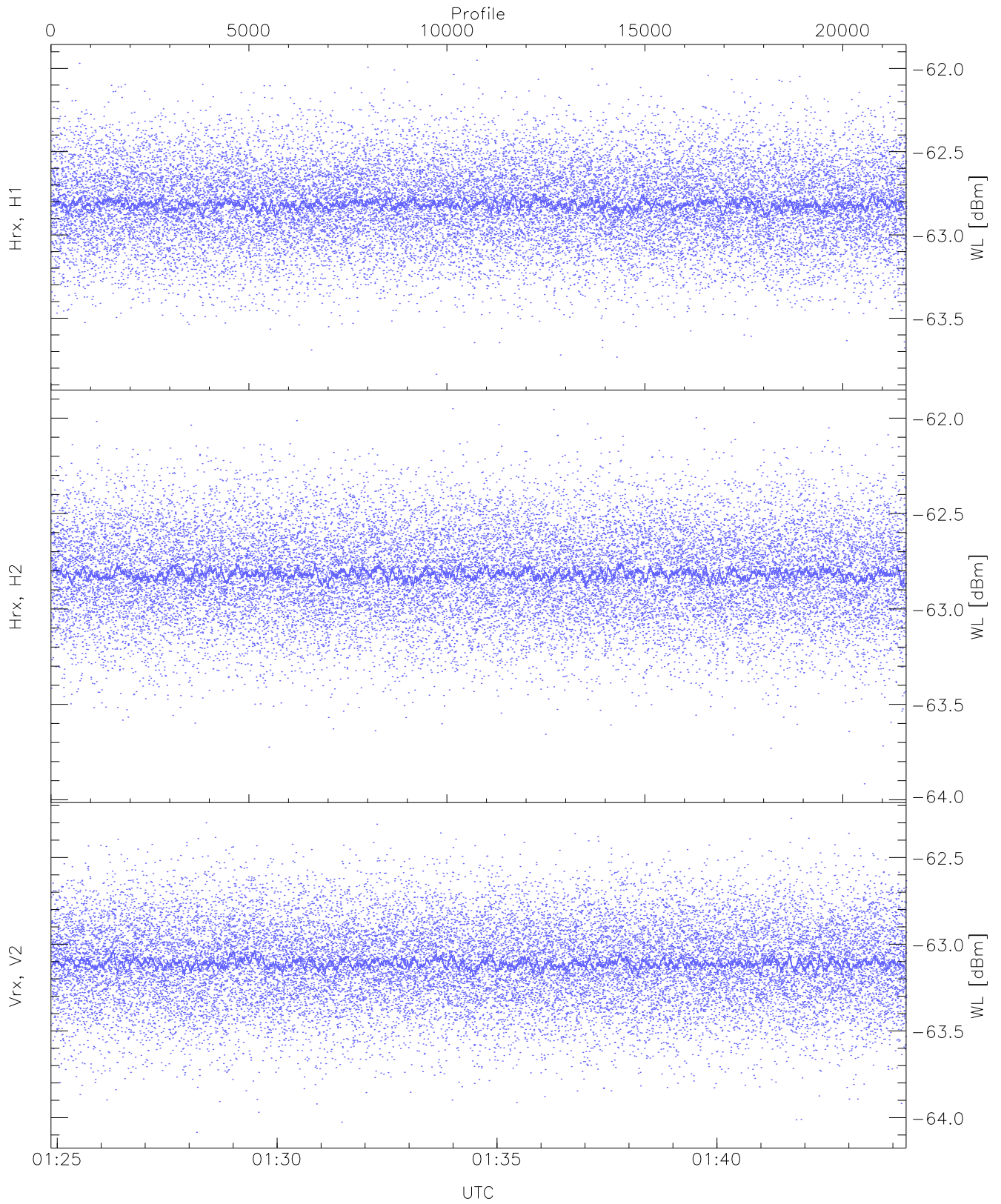
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,18,25,26,30
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,19,27,28,32
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (20,20,31,31,30,5)



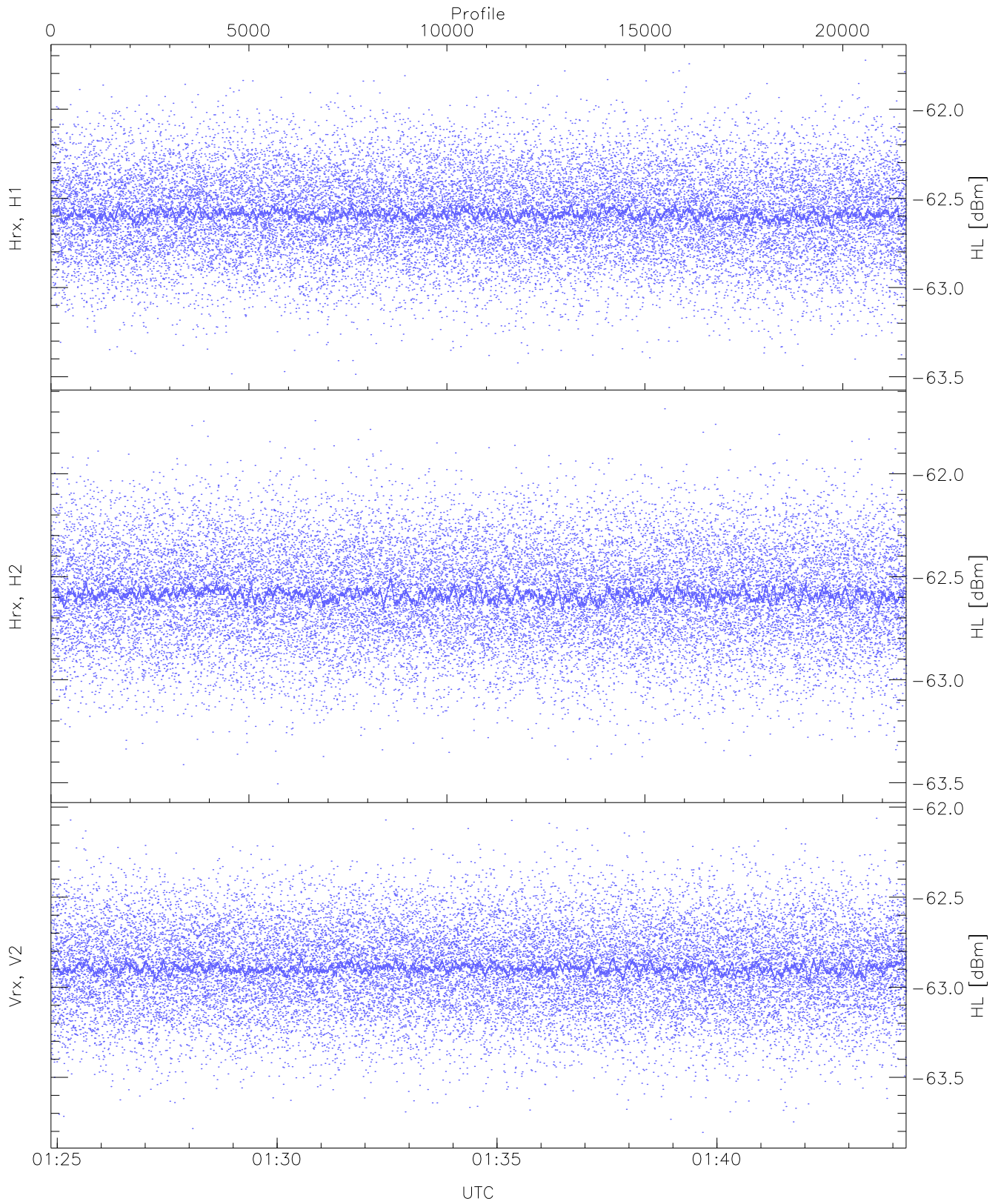
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 70 pixs, 12 gates, 66 profs, 1 prods



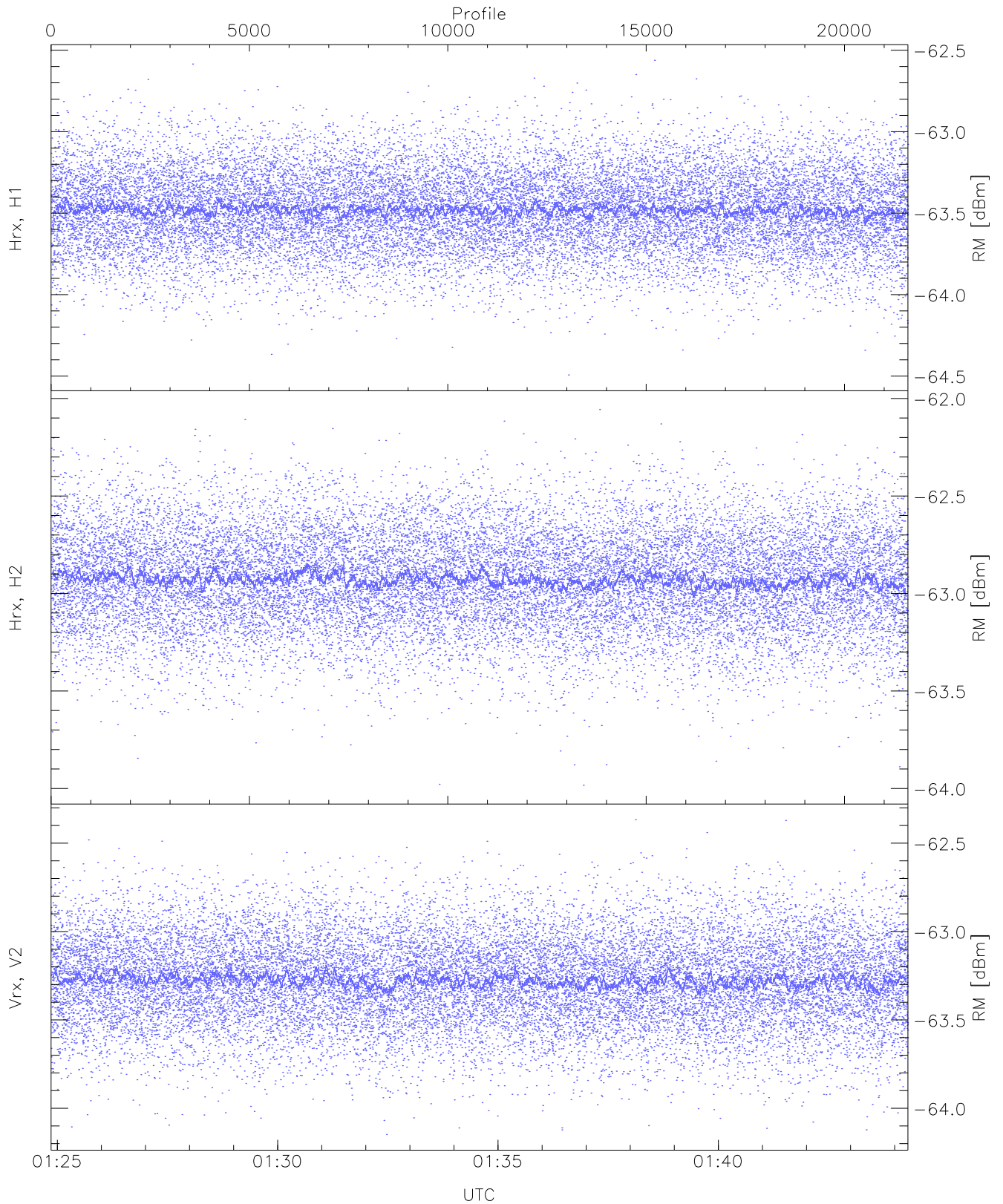
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.84 | -61.95 | -62.81 | -62.82 | -75.49 |
| Hrx, H2 (WL [dBm]) | -63.92 | -61.95 | -62.81 | -62.82 | -75.53 |
| Vrx, V2 (WL [dBm]) | -64.08 | -62.27 | -63.11 | -63.11 | -75.79 |



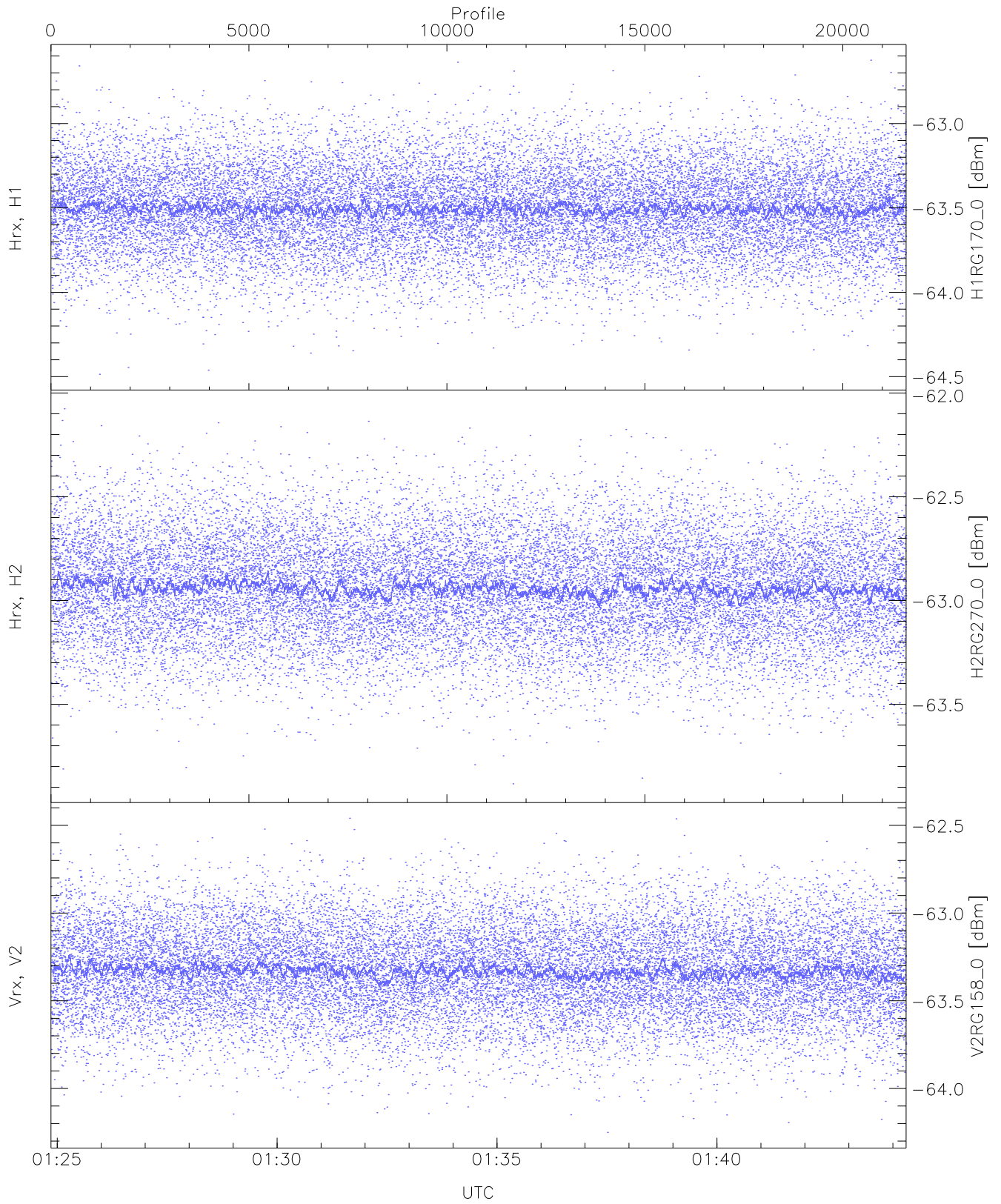
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.49 | -61.73 | -62.59 | -62.59 | -75.28 |
| Hrx, H2 (HL [dBm]) | -63.51 | -61.68 | -62.58 | -62.59 | -75.32 |
| Vrx, V2 (HL [dBm]) | -63.81 | -62.06 | -62.89 | -62.89 | -75.63 |



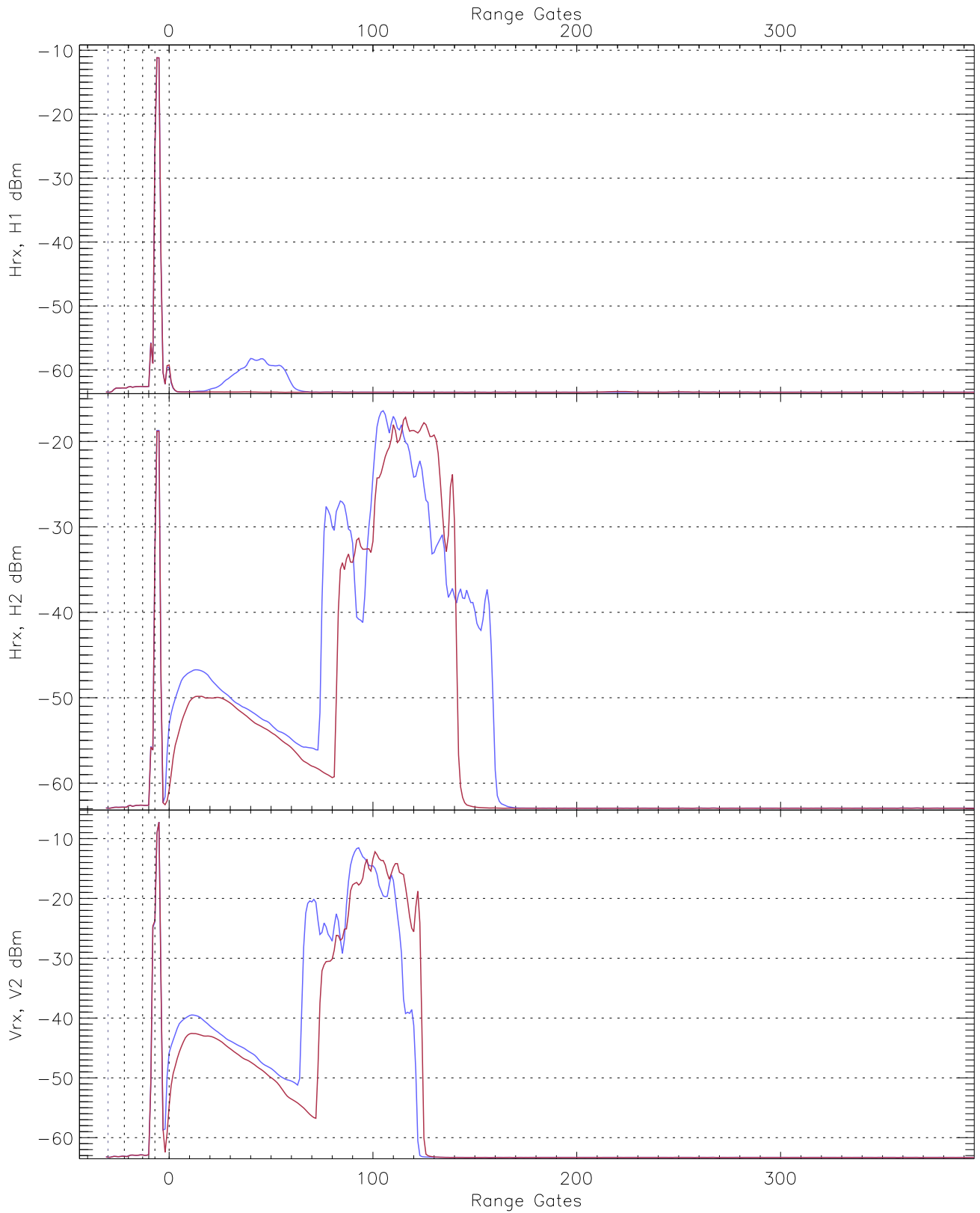
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(RM [dBm]) | -64.49 | -62.56 | -63.48 | -63.48 | -76.20 |
| Hrx, H2(RM [dBm]) | -63.98 | -62.06 | -62.93 | -62.93 | -75.64 |
| Vrx, V2(RM [dBm]) | -64.15 | -62.37 | -63.27 | -63.28 | -75.95 |

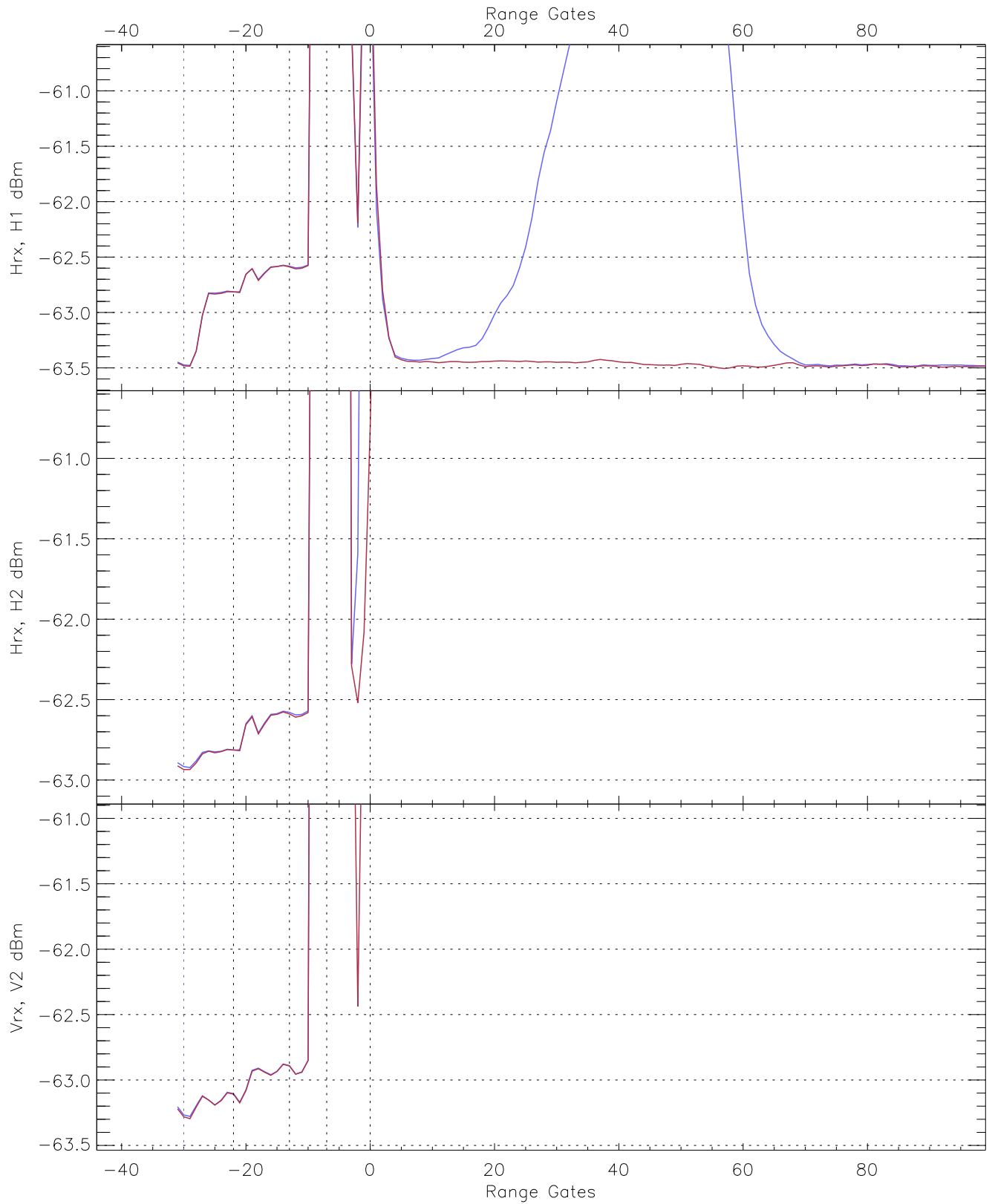


WCR2 CPP "Best" estimate Receivers Noise Power

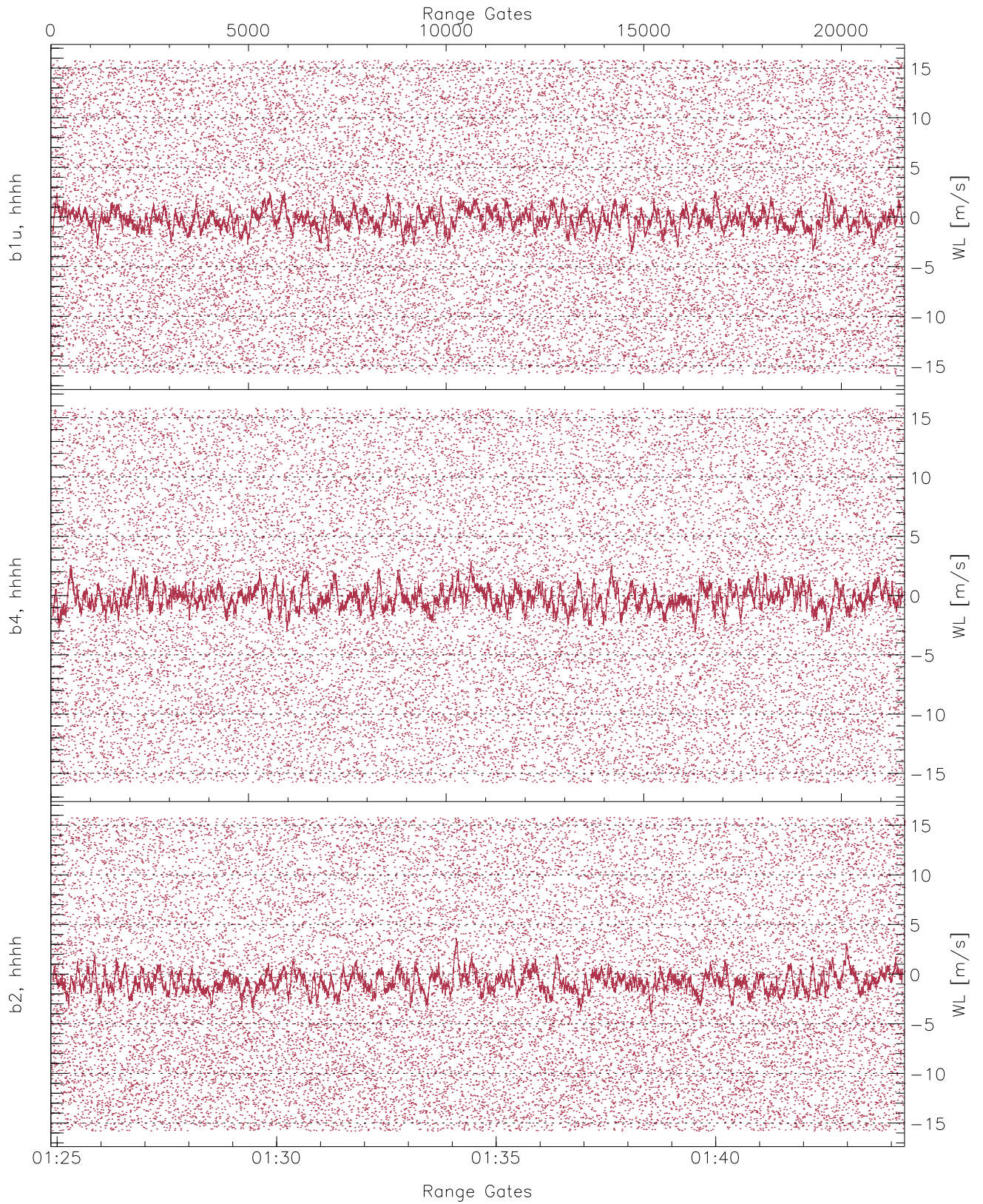
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG170_0 [dBm] | -64.49 | -62.62 | -63.50 | -63.50 | -76.18 |
| H2RG270_0 [dBm] | -63.88 | -62.08 | -62.94 | -62.94 | -75.65 |
| V2RG158_0 [dBm] | -64.25 | -62.46 | -63.33 | -63.33 | -76.00 |



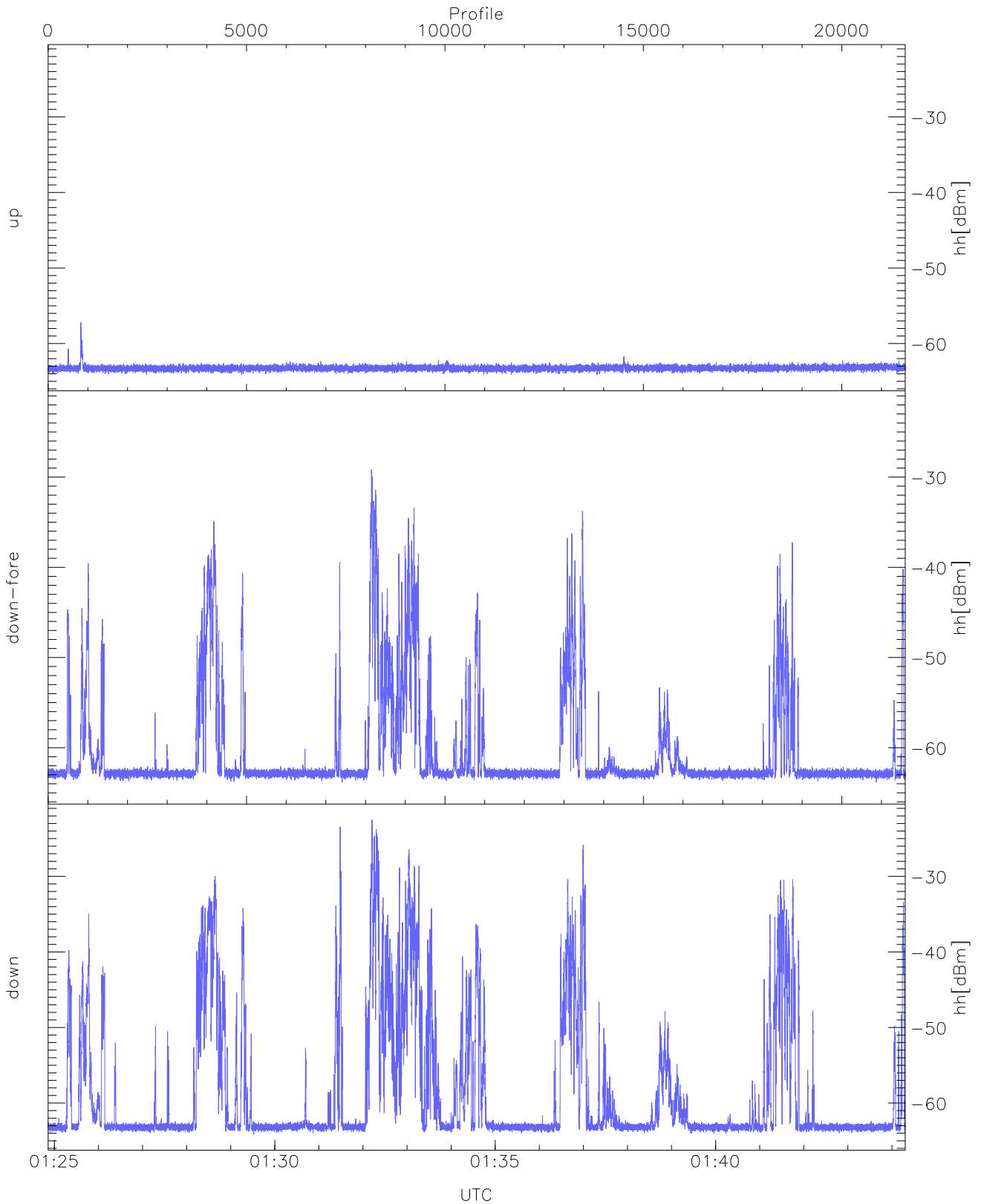
WCR2 CPP Averaged Received power for all recorded gates
blue: 012451-013435, 10801 profiles averaged
red: 013435-014418, 10800 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 012451-013435, 10801 profiles averaged
red: 013435-014418, 10800 profiles averaged

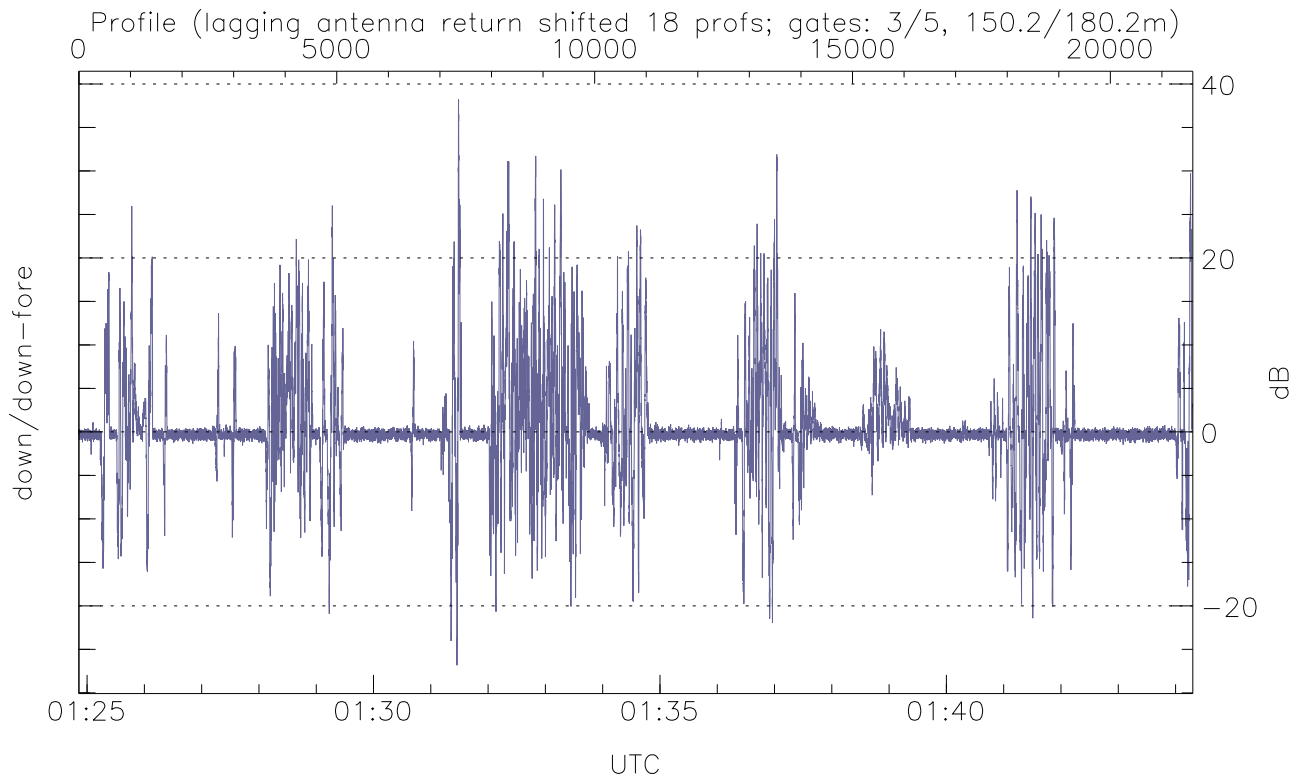
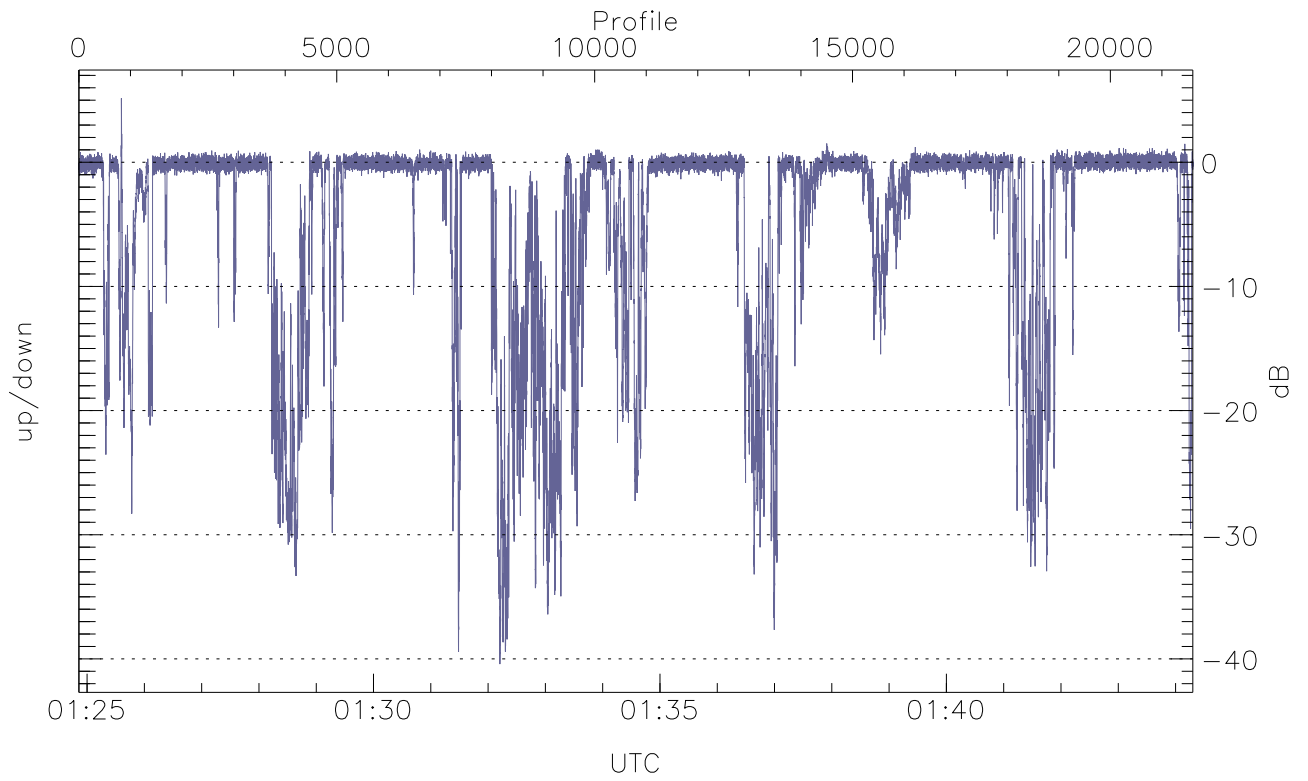


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



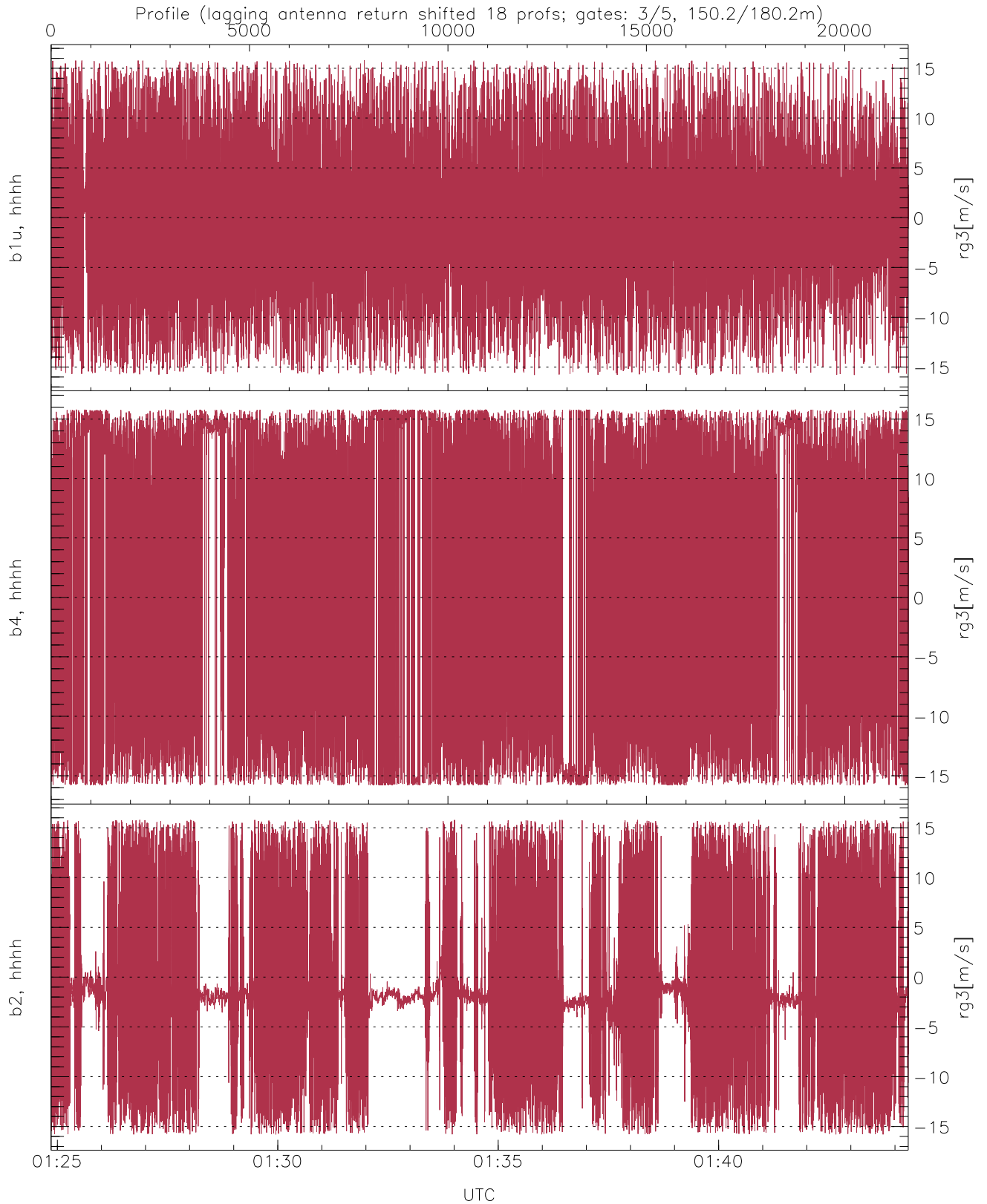
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.15 | -57.17 | -63.23 |
| down-fore(hh[dBm]) | -63.85 | -29.16 | -52.04 |
| down(hh[dBm]) | -64.16 | -22.51 | -44.59 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -40.42 | 5.15 | -4.64 |
| down/down-fore (dB) | -26.83 | 38.21 | 0.76 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.80 | 15.80 | -0.35 | 6.24 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | 1.12 | 11.01 |
| b2, hhhh(rg3[m/s]) | -15.80 | 15.80 | -1.08 | 6.99 |