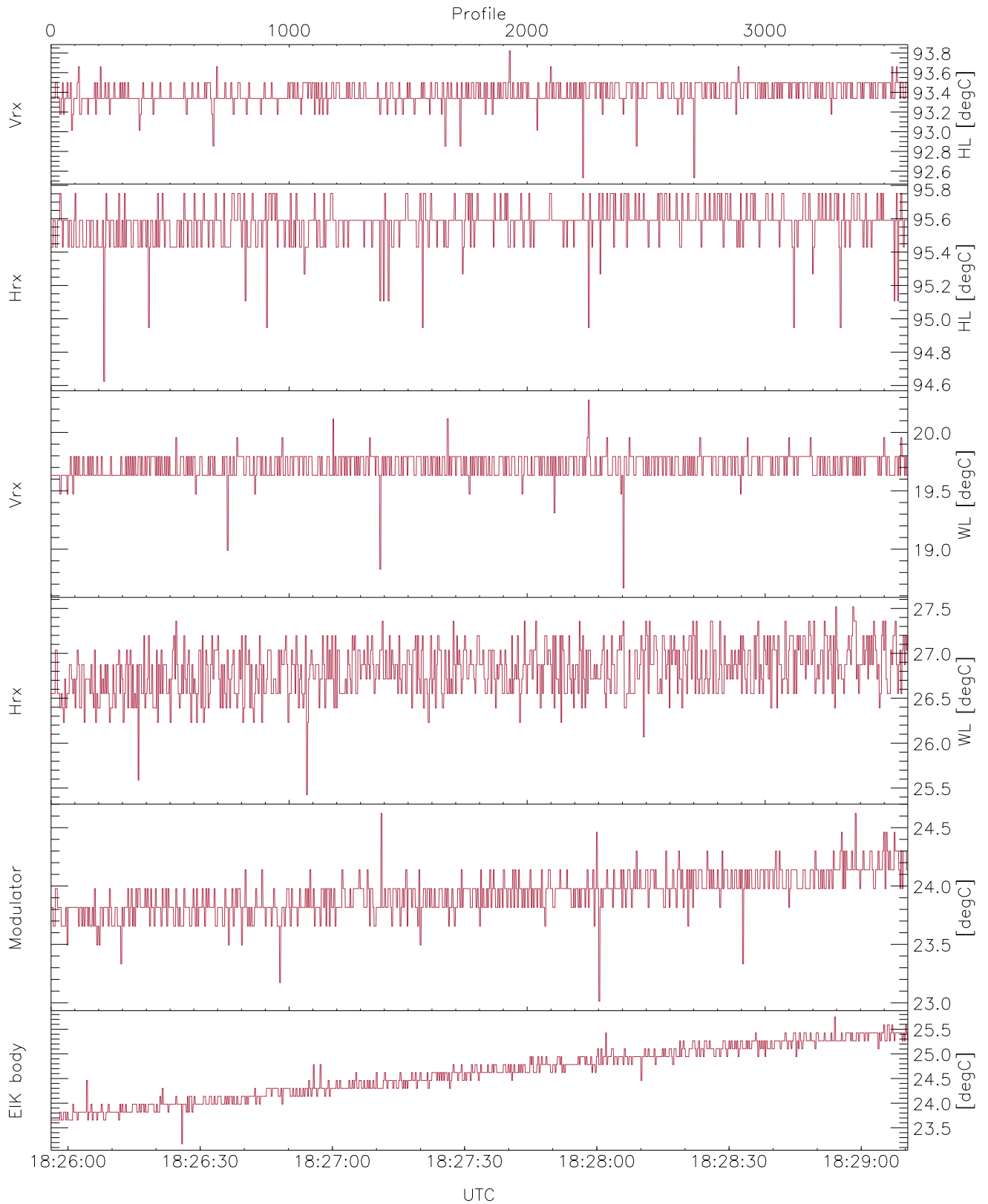


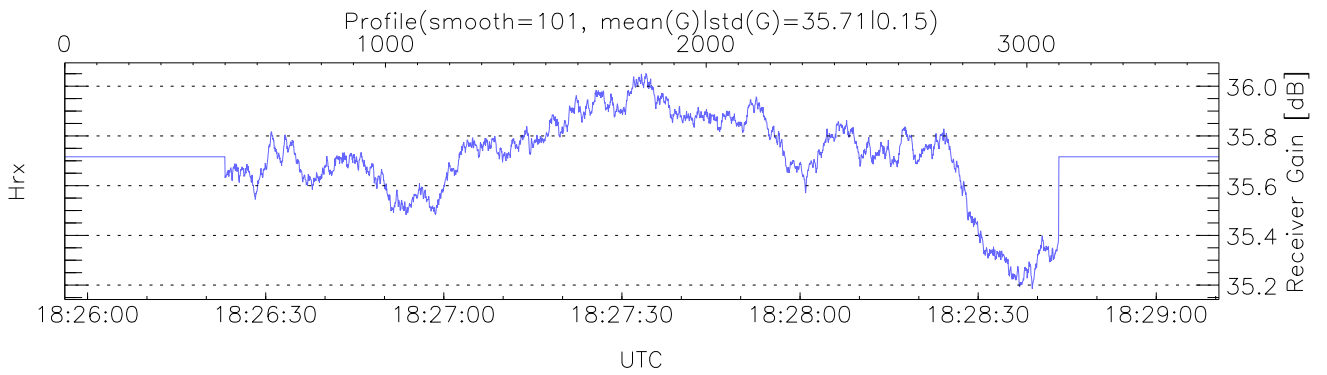
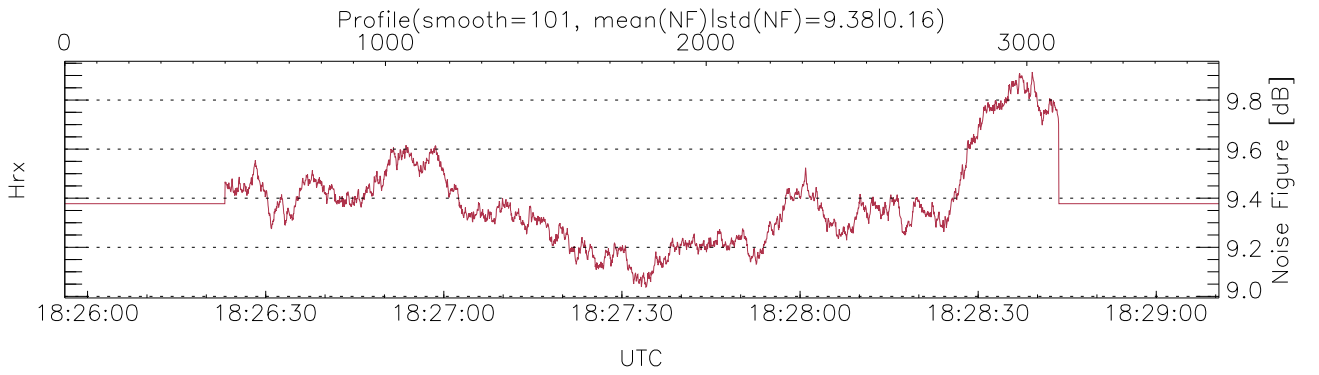
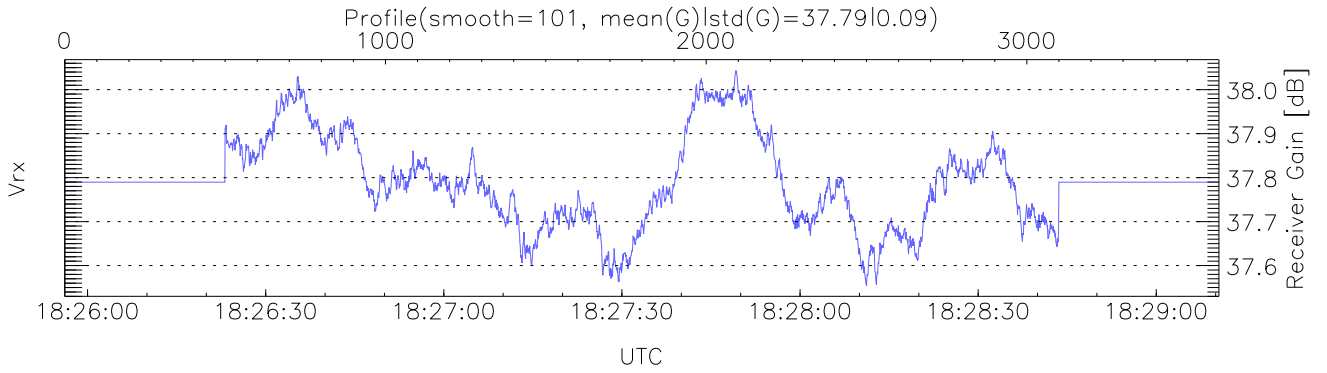
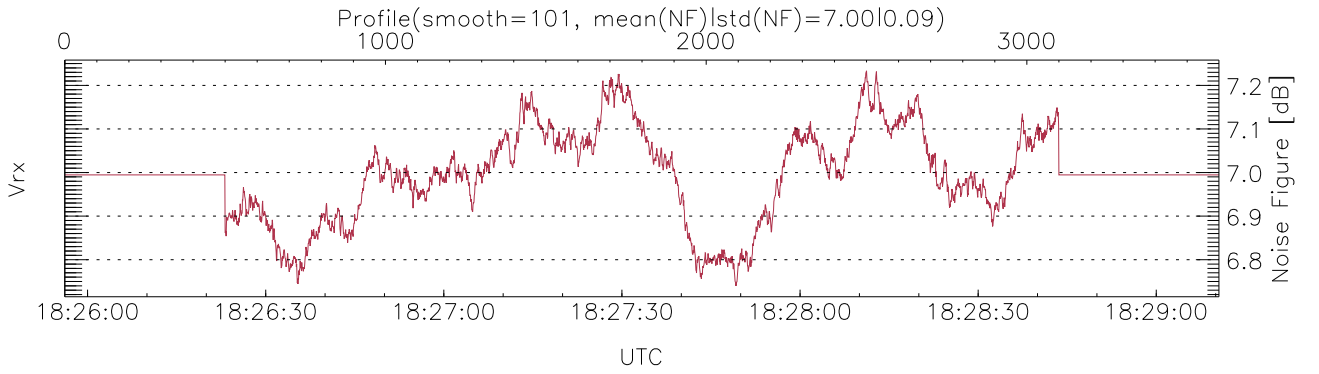
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:25:56-18:29:11, Dur: 194.39s
 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): 3600/3600, 0-3599/18:25:56-18:29:11
 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



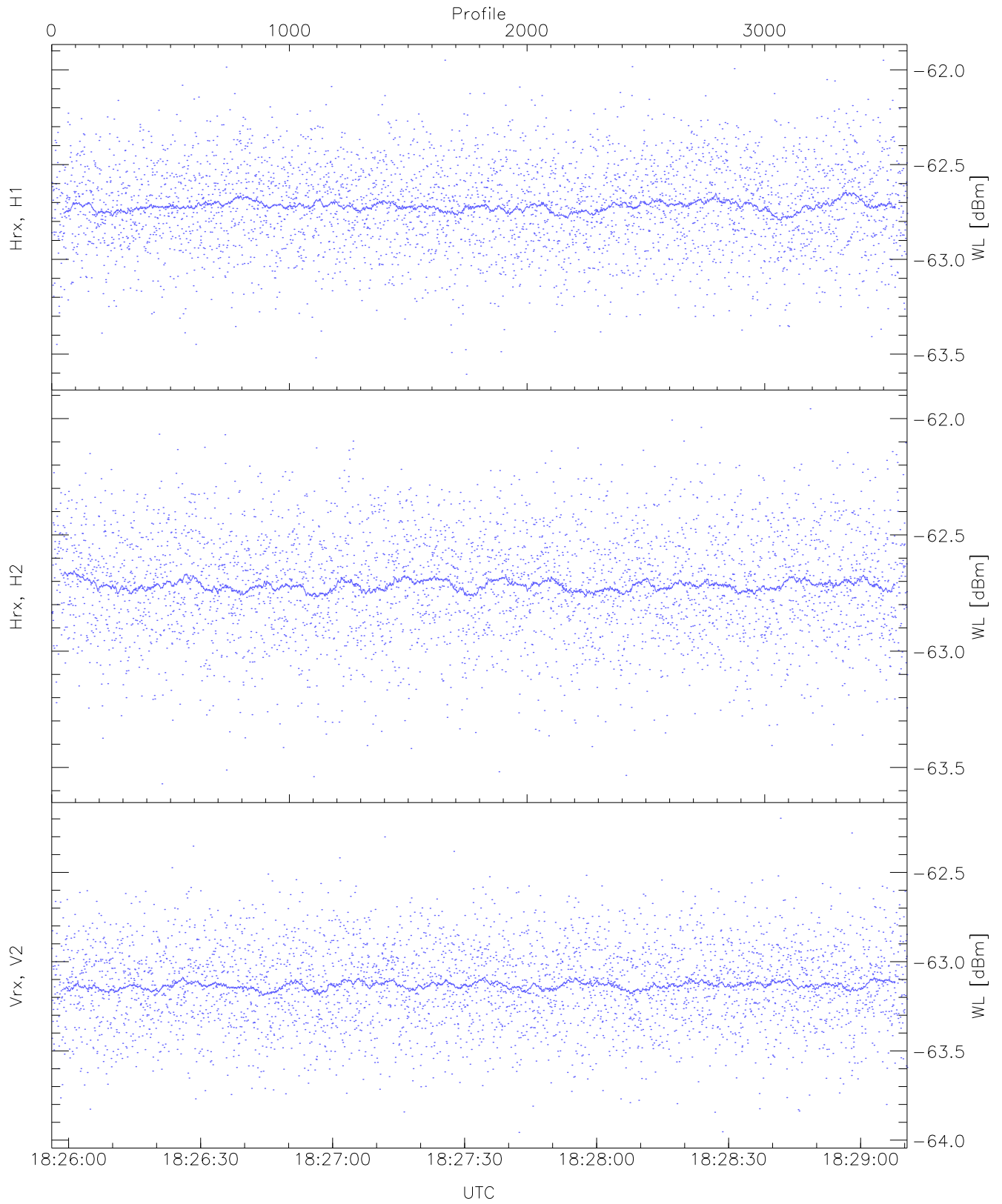
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,94,18,25,23,23
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,20,27,24,25
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty (5,5,5,5,5)



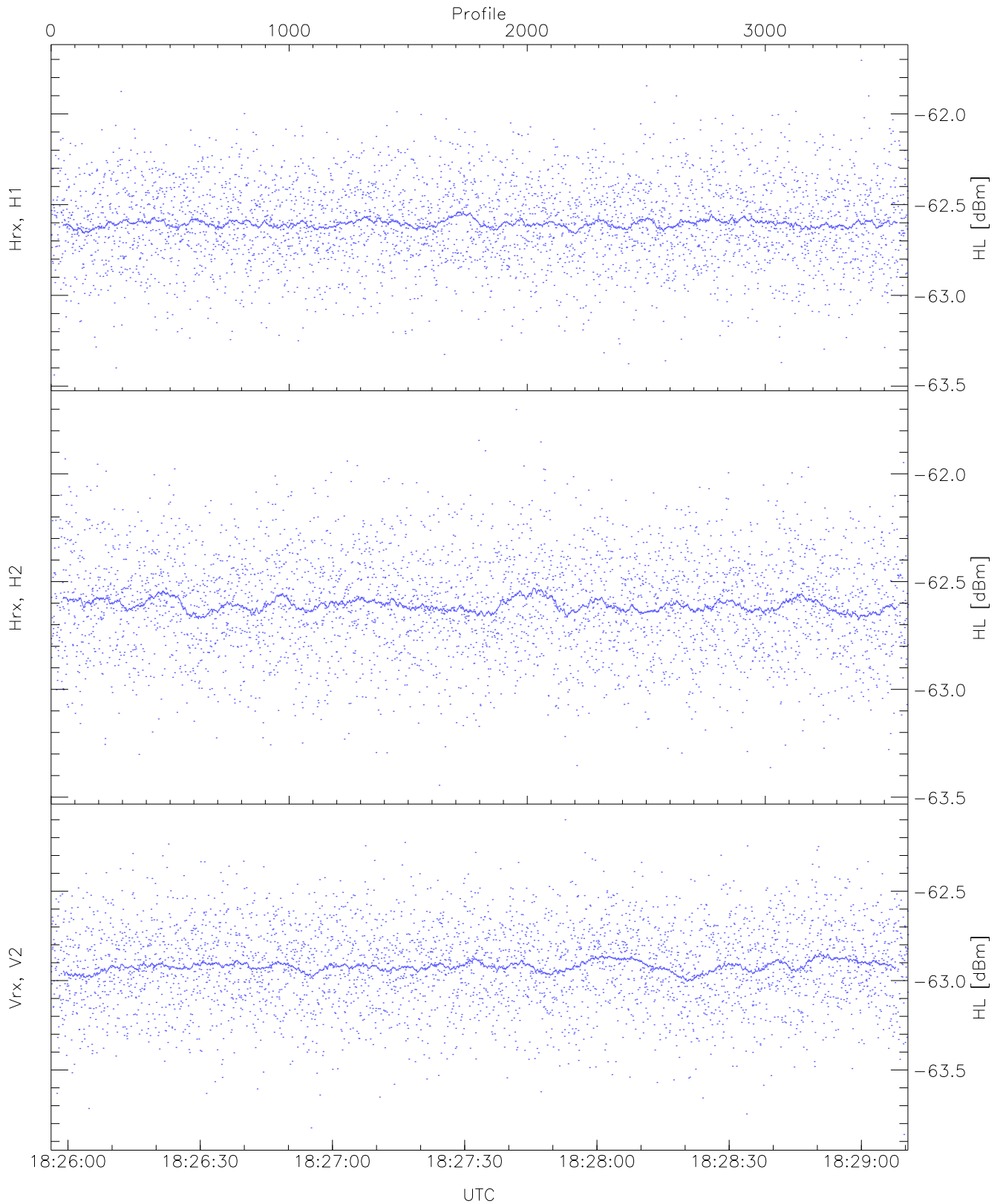
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 544 pixs, 26 gates, 526 profs, 1 prods



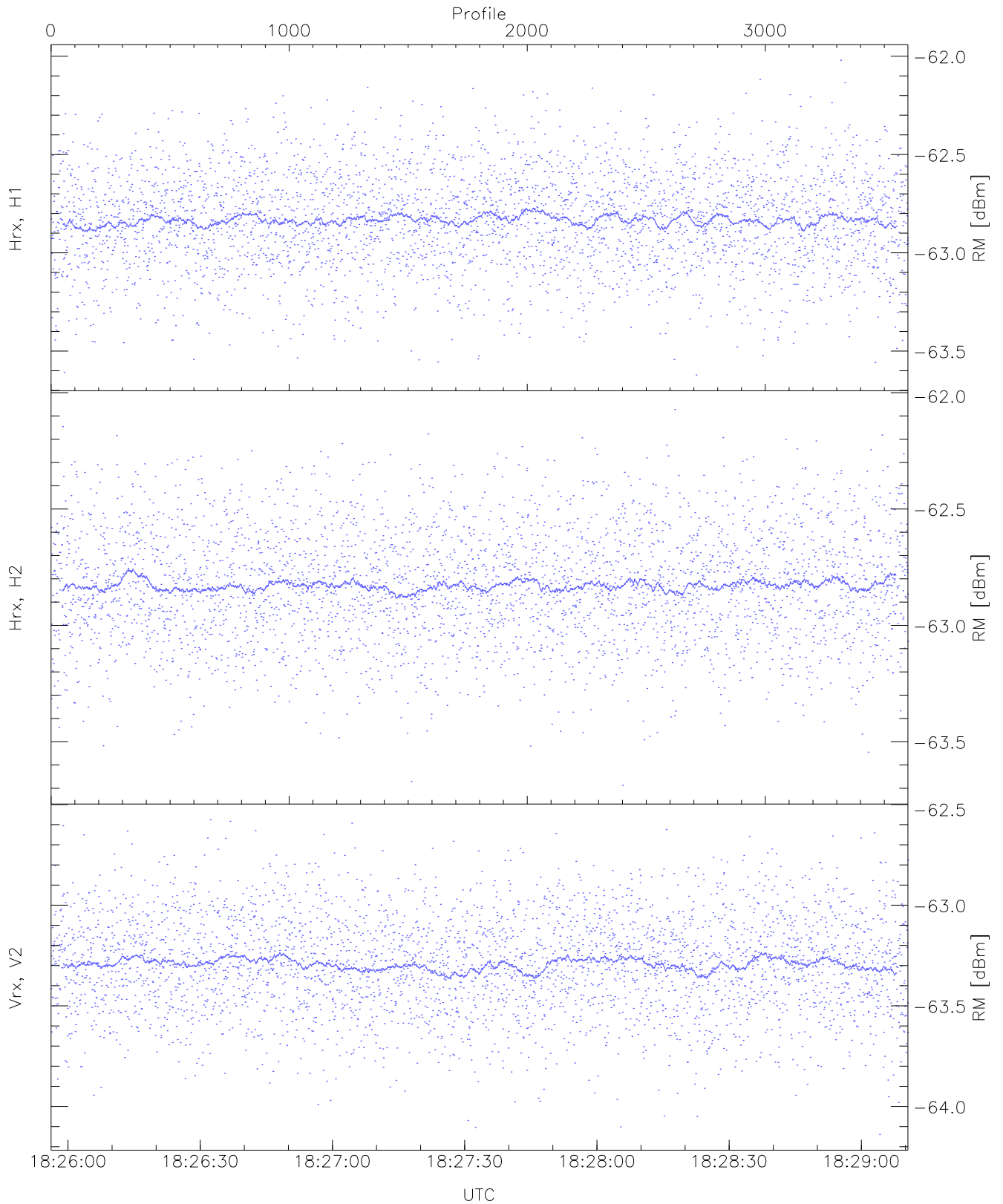
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -63.61 | -61.95 | -62.72 | -62.72 | -75.44 |
| Hrx, H2(WL [dBm]) | -63.57 | -61.96 | -62.71 | -62.71 | -75.50 |
| Vrx, V2(WL [dBm]) | -63.96 | -62.20 | -63.13 | -63.13 | -75.84 |



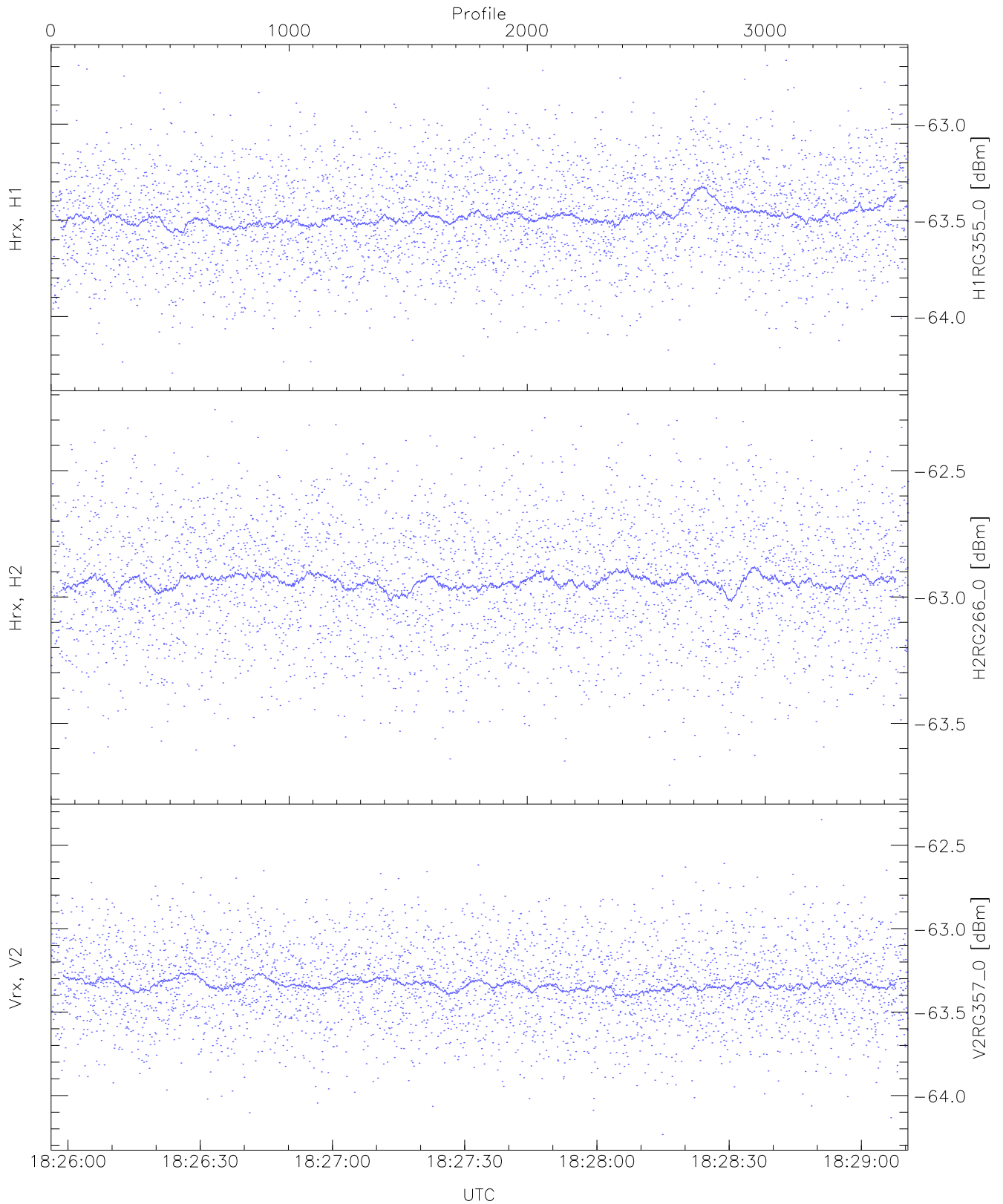
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.44 | -61.70 | -62.60 | -62.61 | -75.39 |
| Hrx, H2 (HL [dBm]) | -63.44 | -61.70 | -62.60 | -62.61 | -75.30 |
| Vrx, V2 (HL [dBm]) | -63.86 | -62.10 | -62.92 | -62.92 | -75.63 |



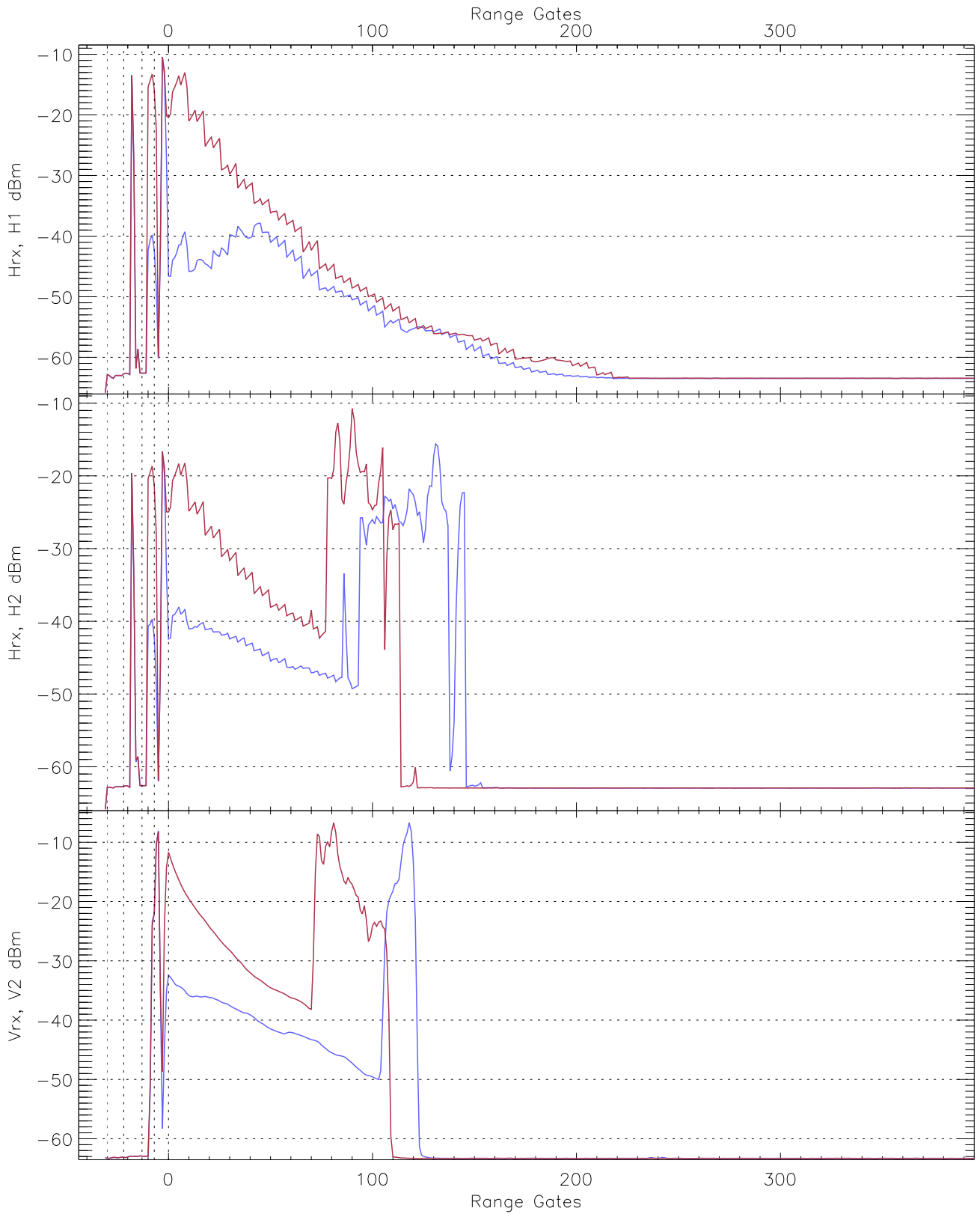
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -63.62 | -62.02 | -62.83 | -62.83 | -75.46 |
| Hrx, H2 (RM [dBm]) | -63.69 | -62.07 | -62.82 | -62.83 | -75.50 |
| Vrx, V2 (RM [dBm]) | -64.14 | -62.58 | -63.29 | -63.29 | -75.95 |

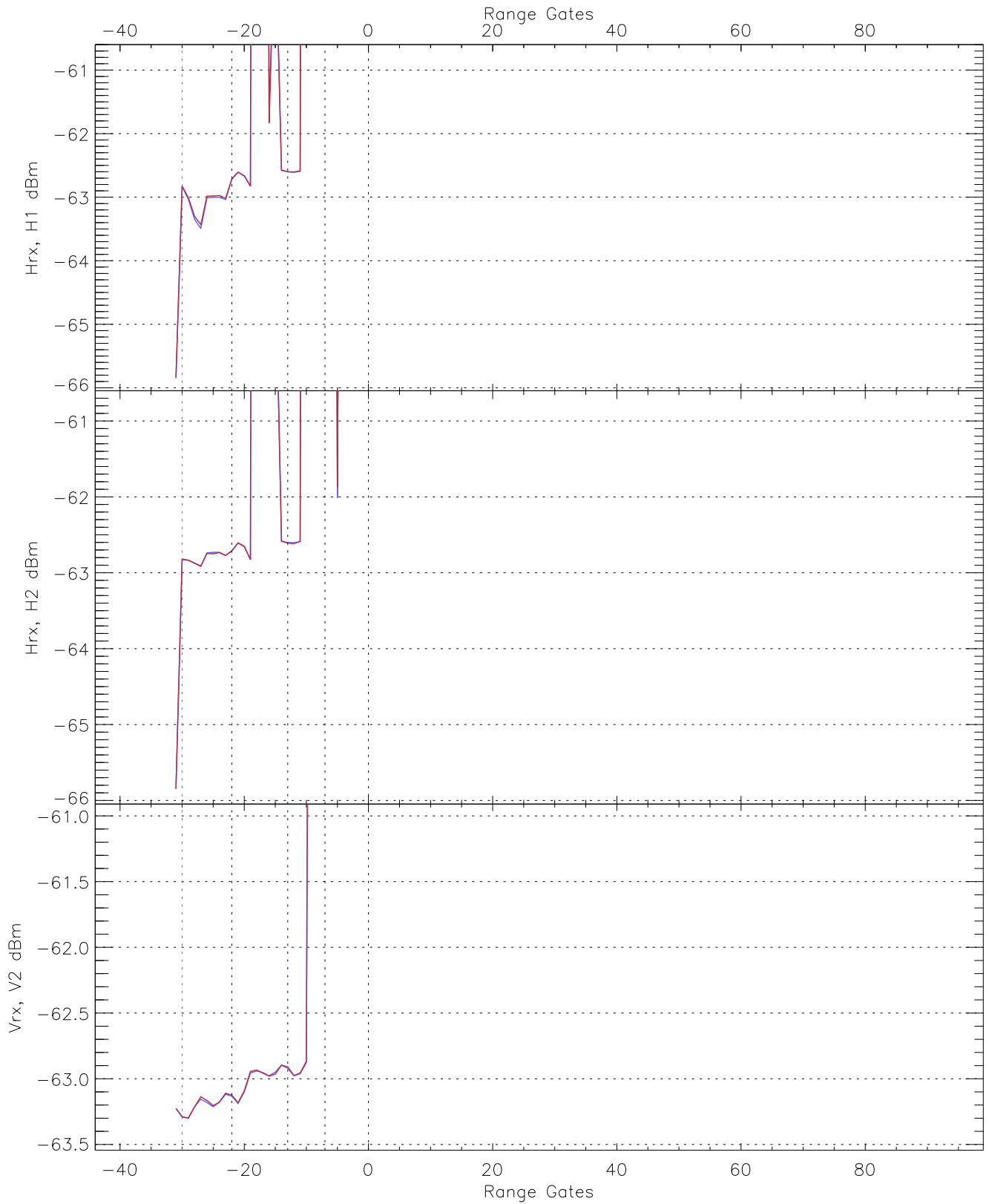


WCR2 CPP "Best" estimate Receivers Noise Power

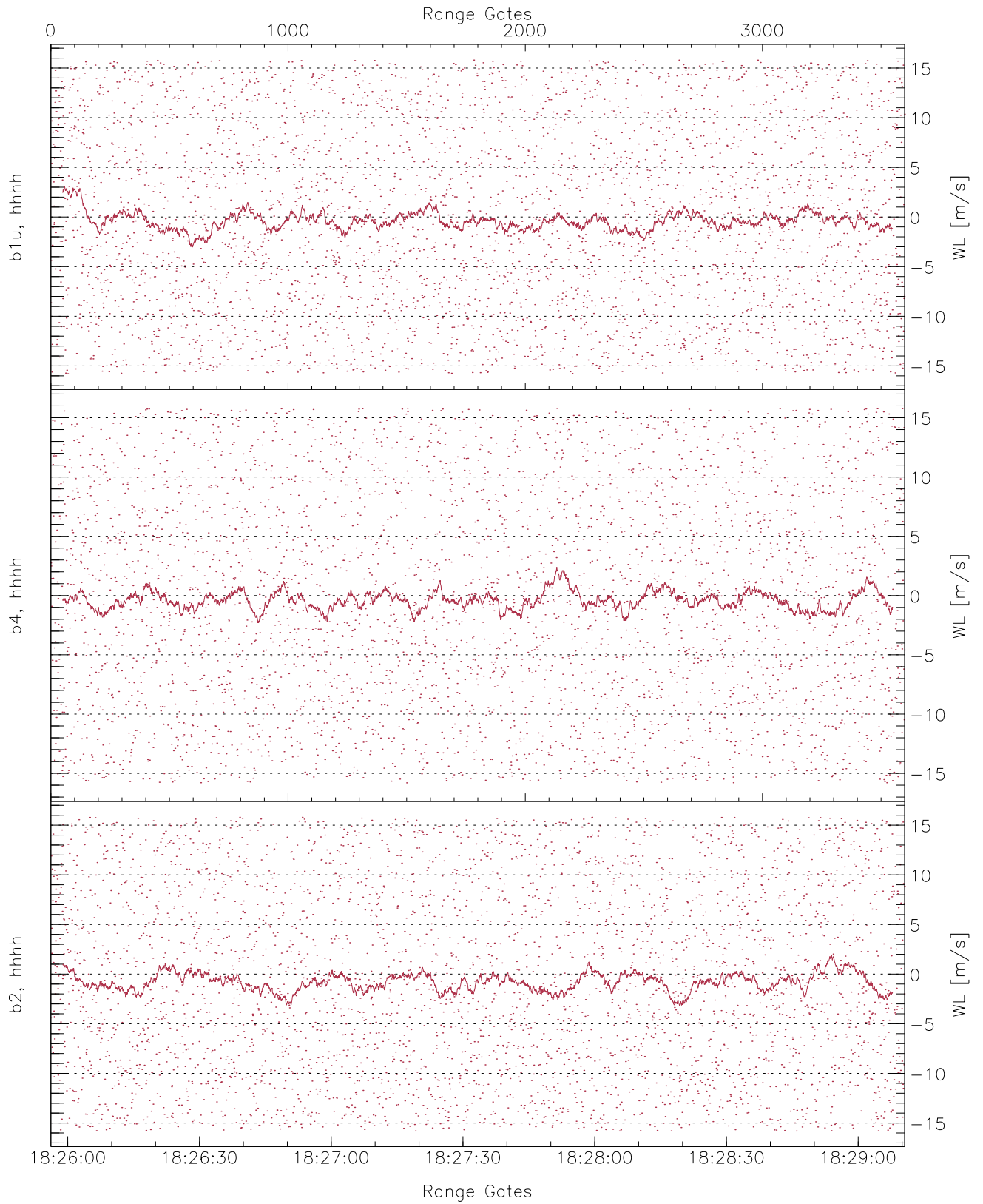
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG355_0 [dBm] | -64.30 | -62.67 | -63.48 | -63.48 | -76.05 |
| H2RG266_0 [dBm] | -63.74 | -62.26 | -62.93 | -62.93 | -75.64 |
| V2RG357_0 [dBm] | -64.23 | -62.35 | -63.33 | -63.34 | -75.97 |



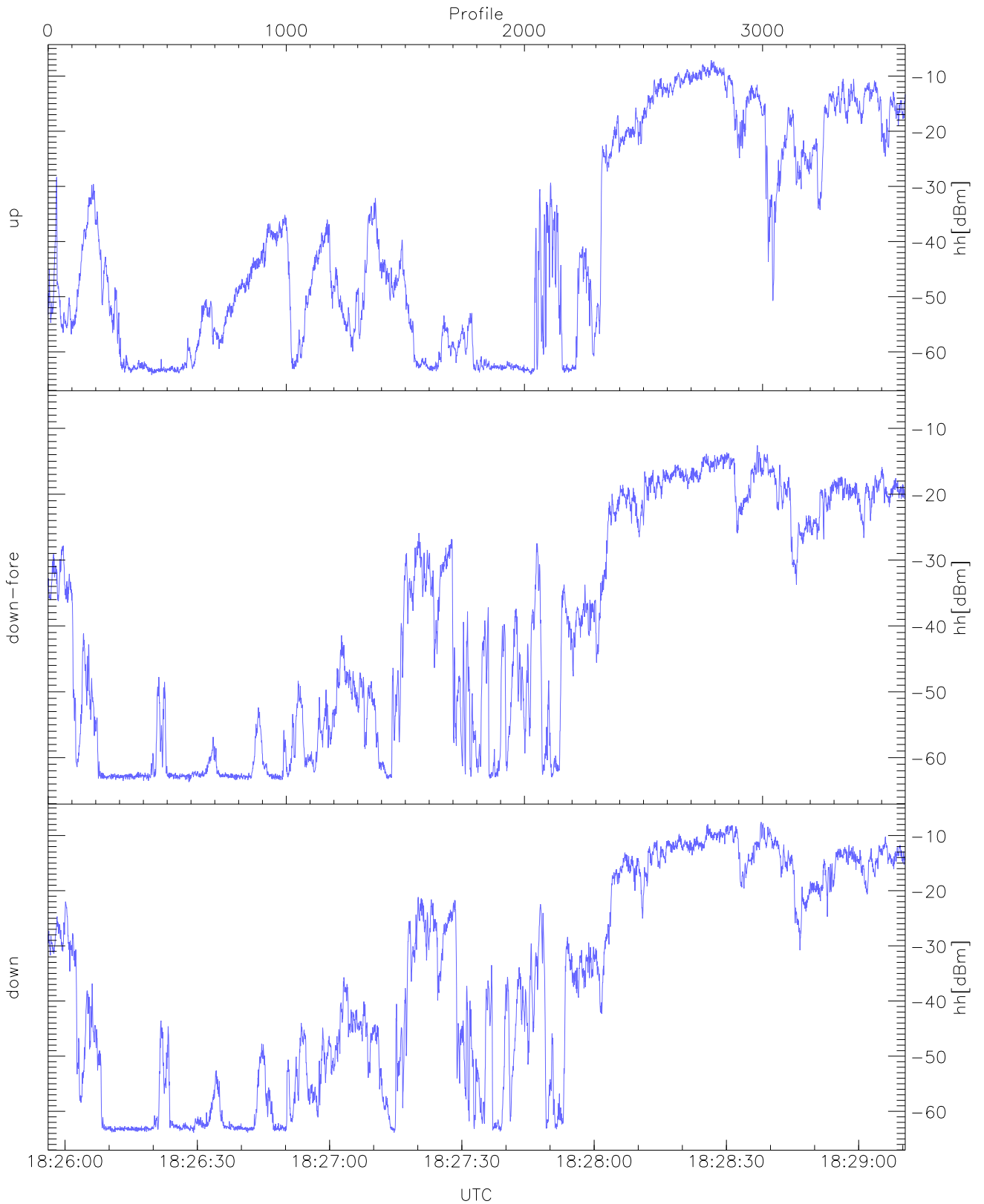
WCR2 CPP Averaged Received power for all recorded gates
blue: 182556-182733, 1801 profiles averaged
red: 182733-182911, 1800 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 182556-182733, 1801 profiles averaged
red: 182733-182911, 1800 profiles averaged

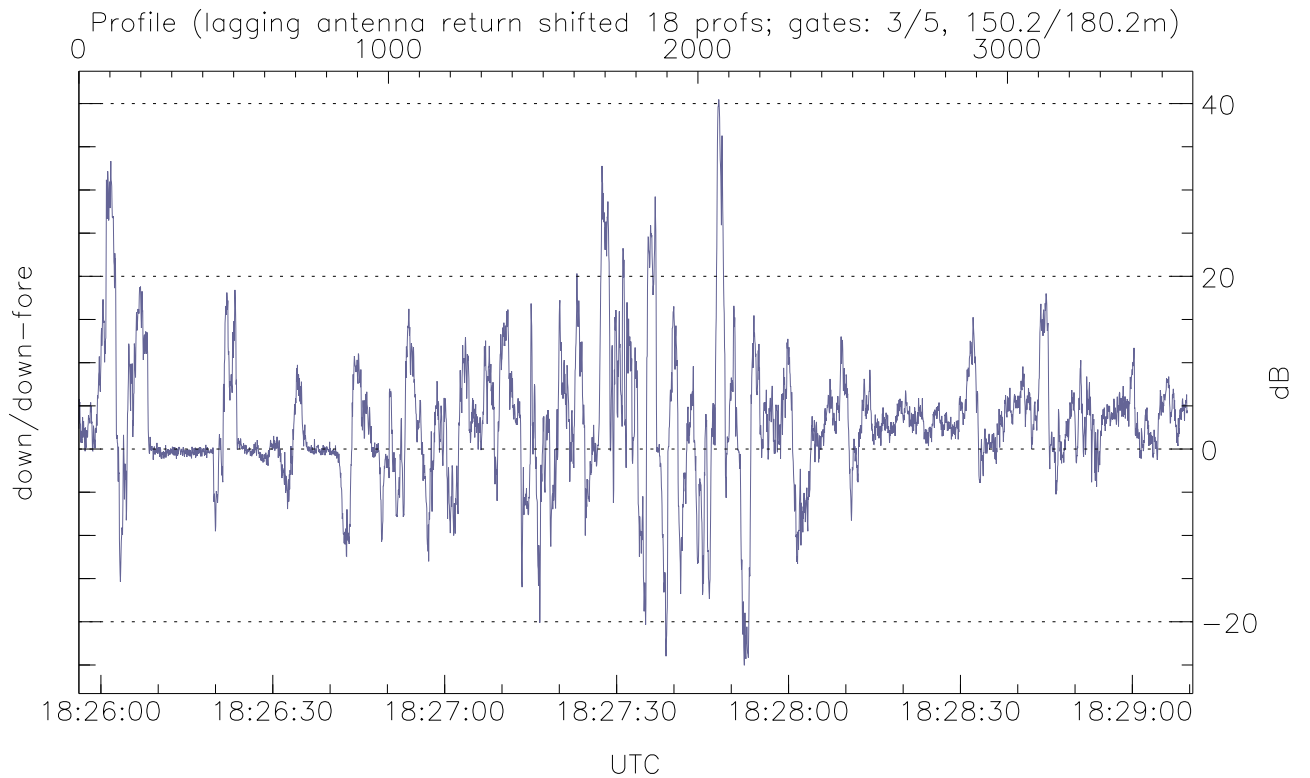
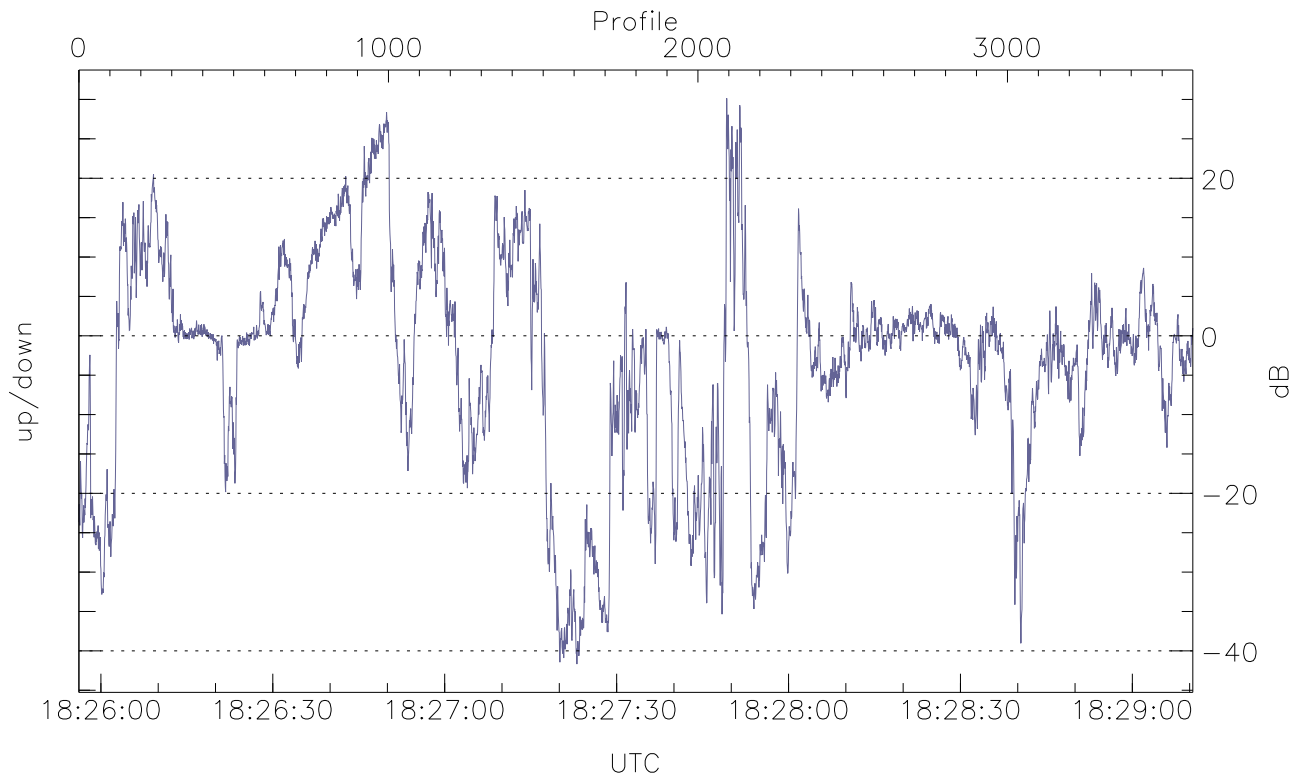


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



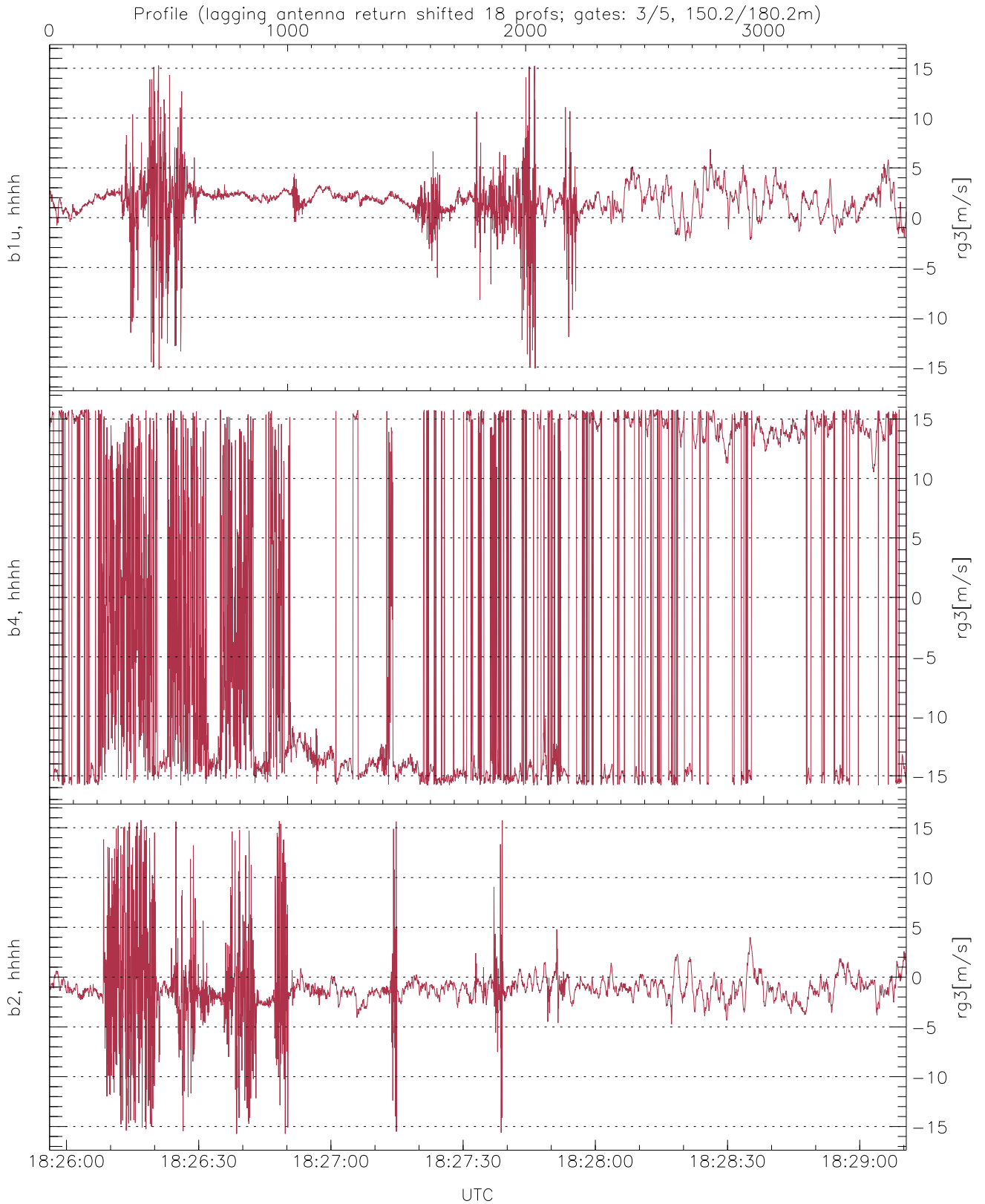
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.19 | -7.15 | -18.48 |
| down-fore(hh[dBm]) | -63.69 | -12.57 | -22.91 |
| down(hh[dBm]) | -63.88 | -7.57 | -17.63 |



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

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -41.67 | 30.15 | -3.26 |
| down/down-fore (dB) | -25.04 | 40.47 | 2.93 |



WCR2 CPP Doppler Velocity Products at 150.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.24 | 15.27 | 1.64 | 2.34 |
| b4, hhhh(rg3[m/s]) | -15.80 | 15.80 | -1.78 | 13.78 |
| b2, hhhh(rg3[m/s]) | -15.74 | 15.77 | -1.10 | 3.24 |