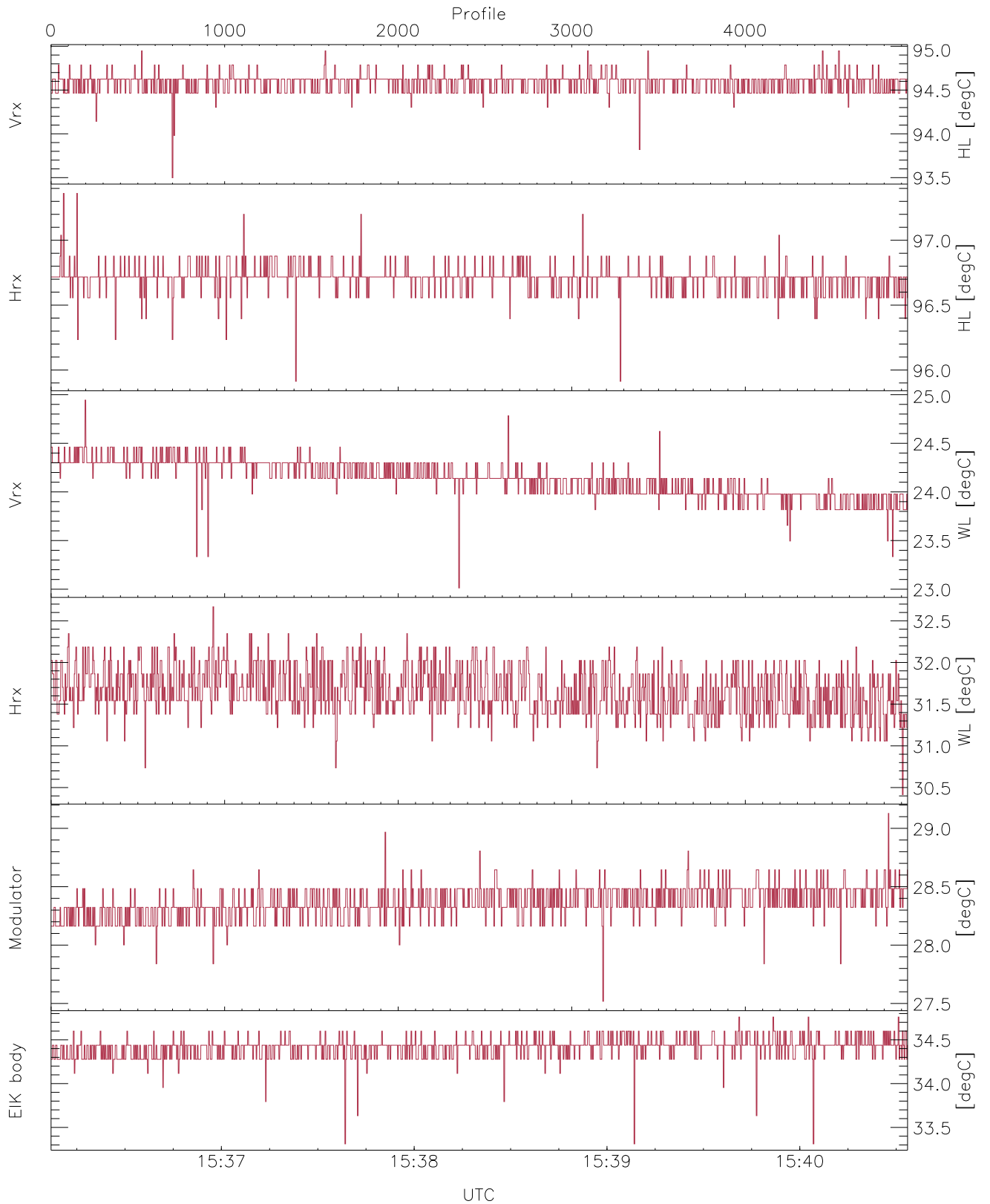


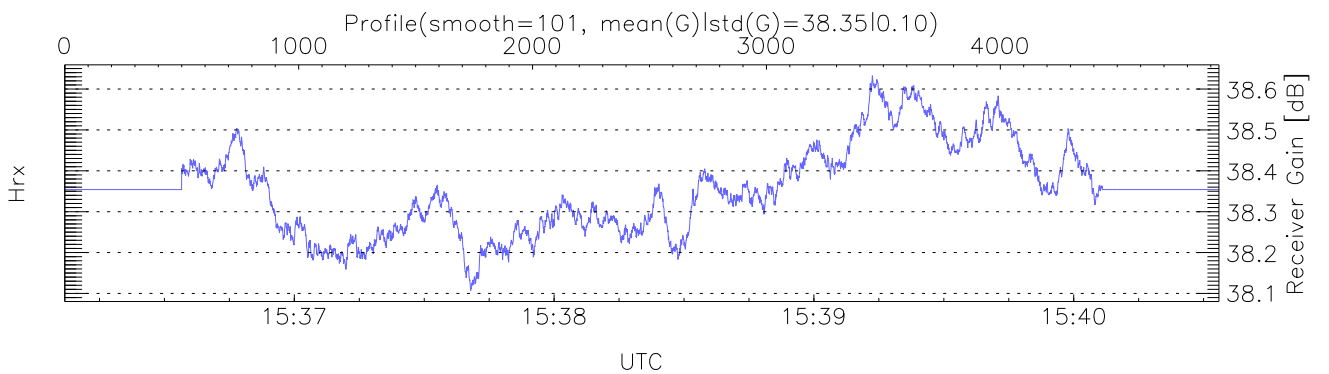
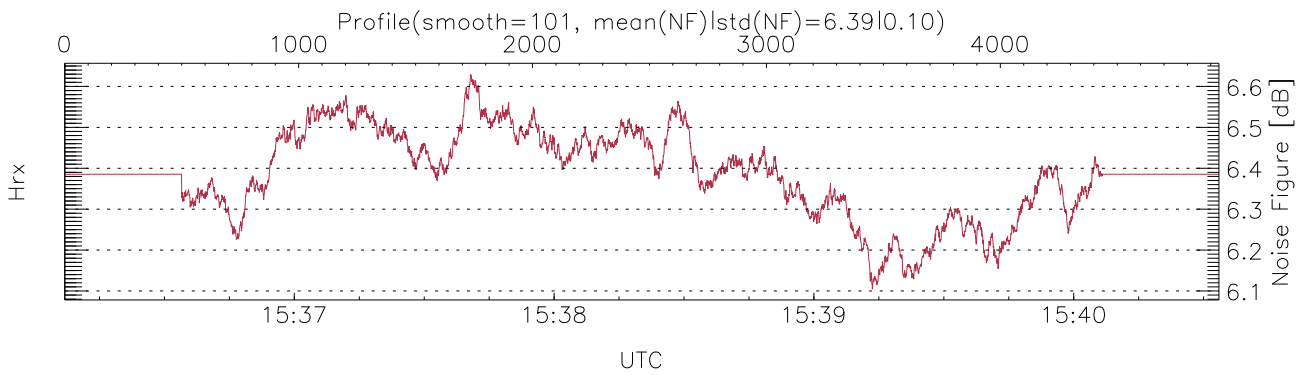
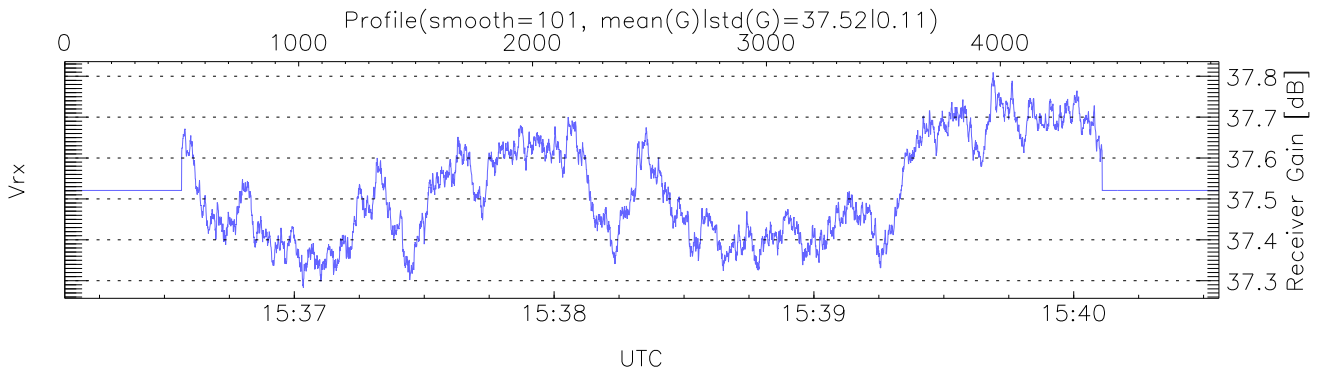
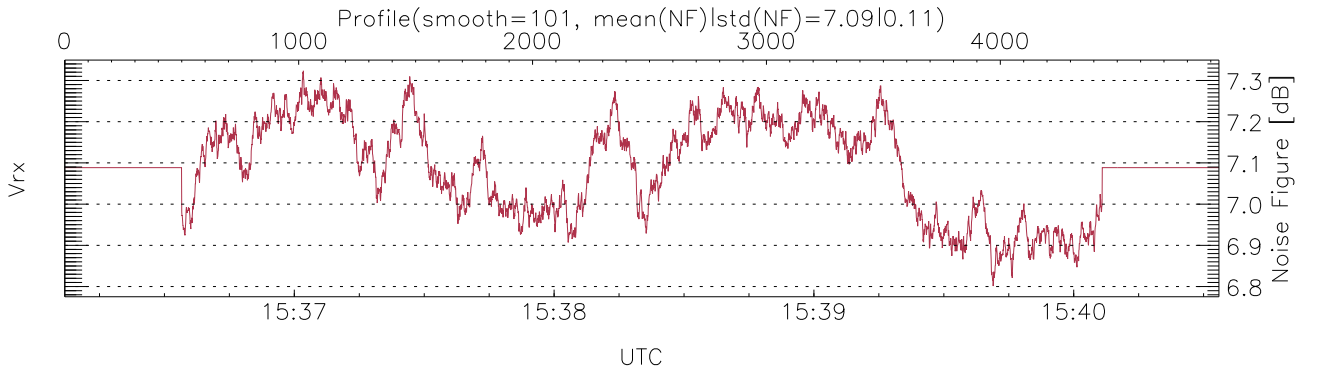
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 15:36:07-15:40:34, Dur: 266.56s  
 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): 4936/4936, 0-4935/15:36:07-15:40:34  
 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



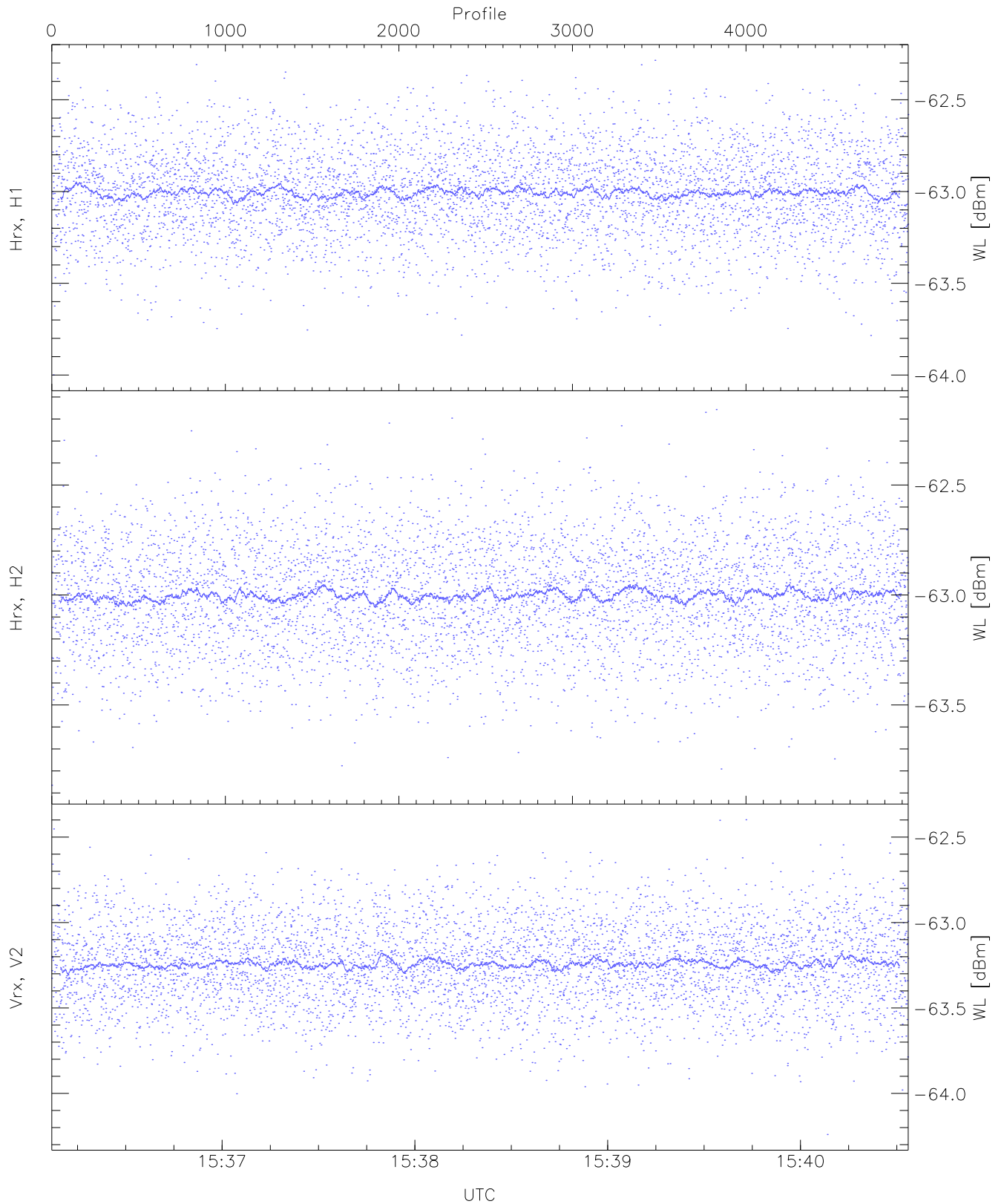
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,23,30,27,33  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,97,24,32,29,34  
LOalarm(20,80,240,2.8,14.8 MHz): None  
EIK Faults(# prof affected):  
HVPS (11)



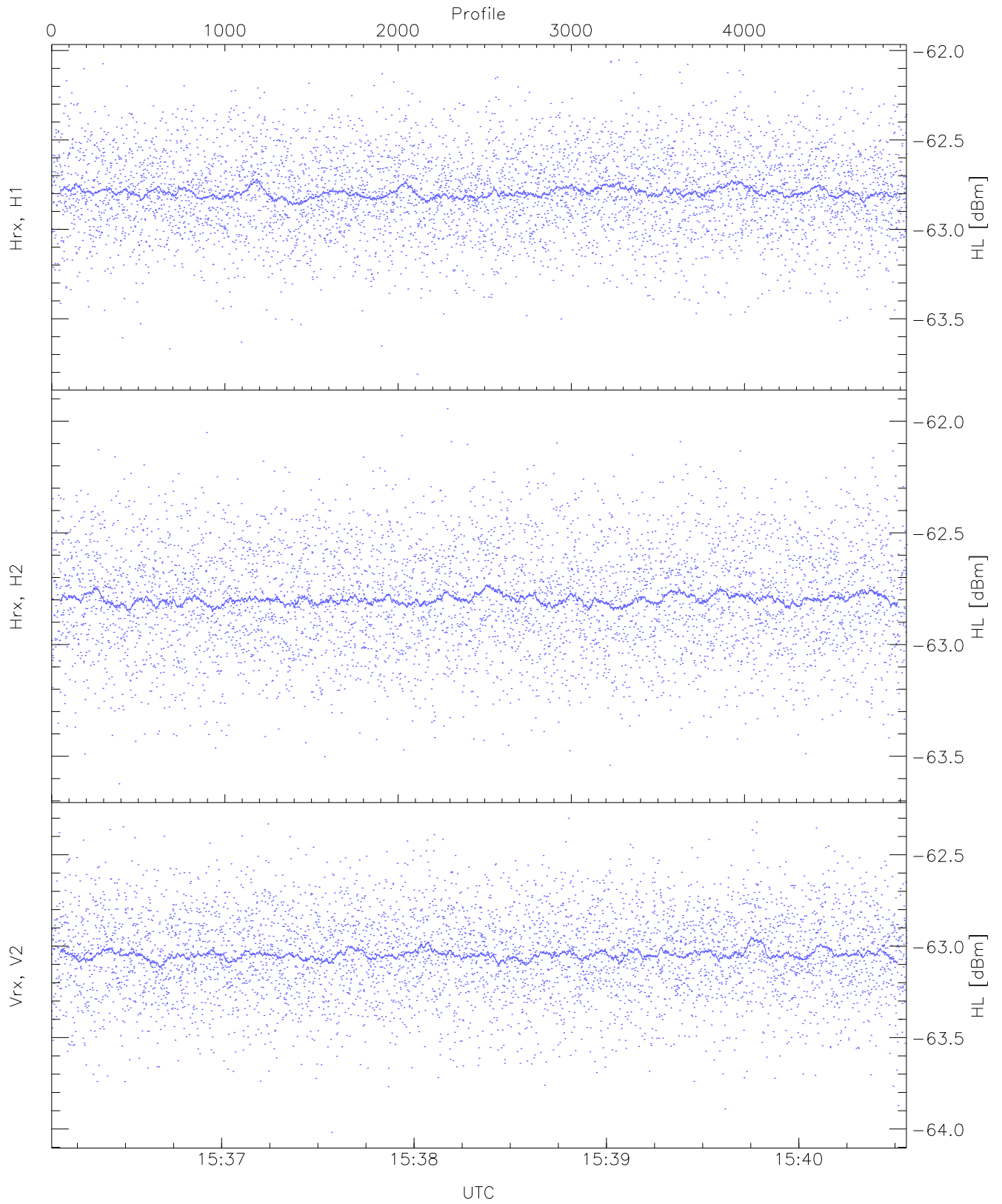
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 464 pixs, 23 gates, 464 profs, 1 prods



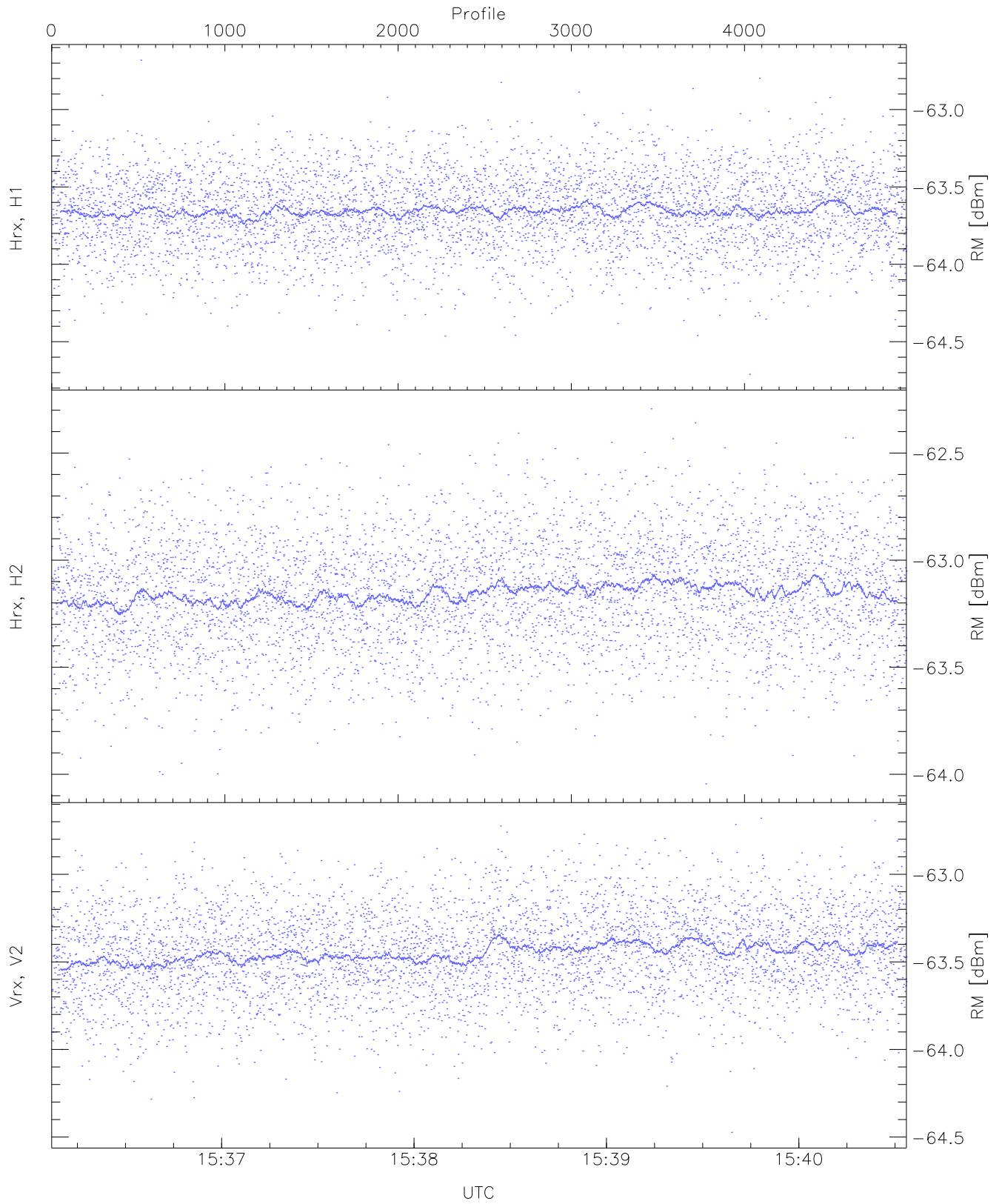
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -64.00 | -62.28 | -63.00 | -63.00 | -75.80 |
| Hrx, H2(WL [dBm]) | -63.87 | -62.16 | -63.00 | -63.00 | -75.71 |
| Vrx, V2(WL [dBm]) | -64.24 | -62.40 | -63.24 | -63.24 | -75.97 |



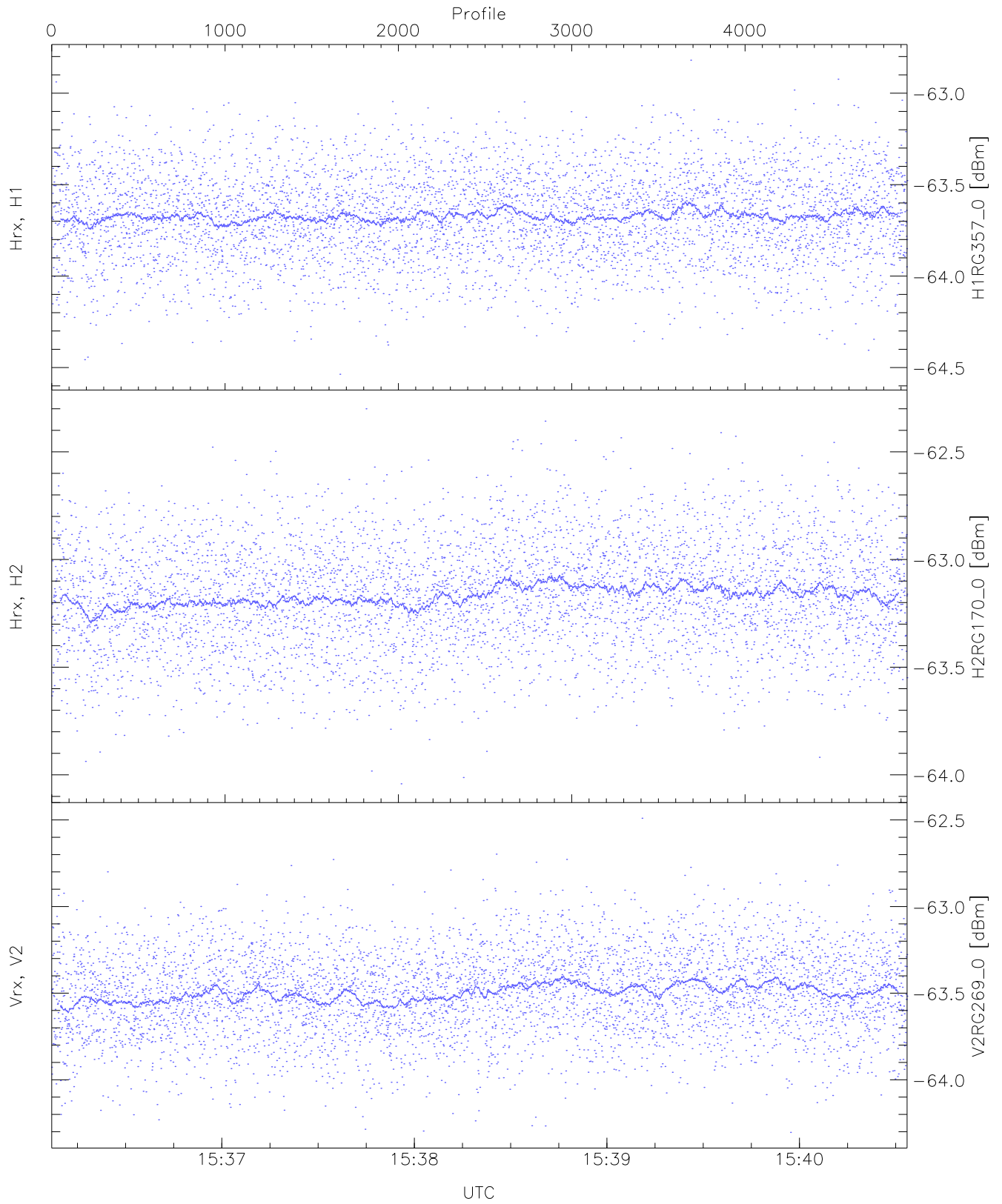
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.81 | -62.05 | -62.79 | -62.80 | -75.50 |
| Hrx, H2 (HL [dBm]) | -63.62 | -61.94 | -62.79 | -62.80 | -75.45 |
| Vrx, V2 (HL [dBm]) | -64.02 | -62.30 | -63.04 | -63.04 | -75.71 |



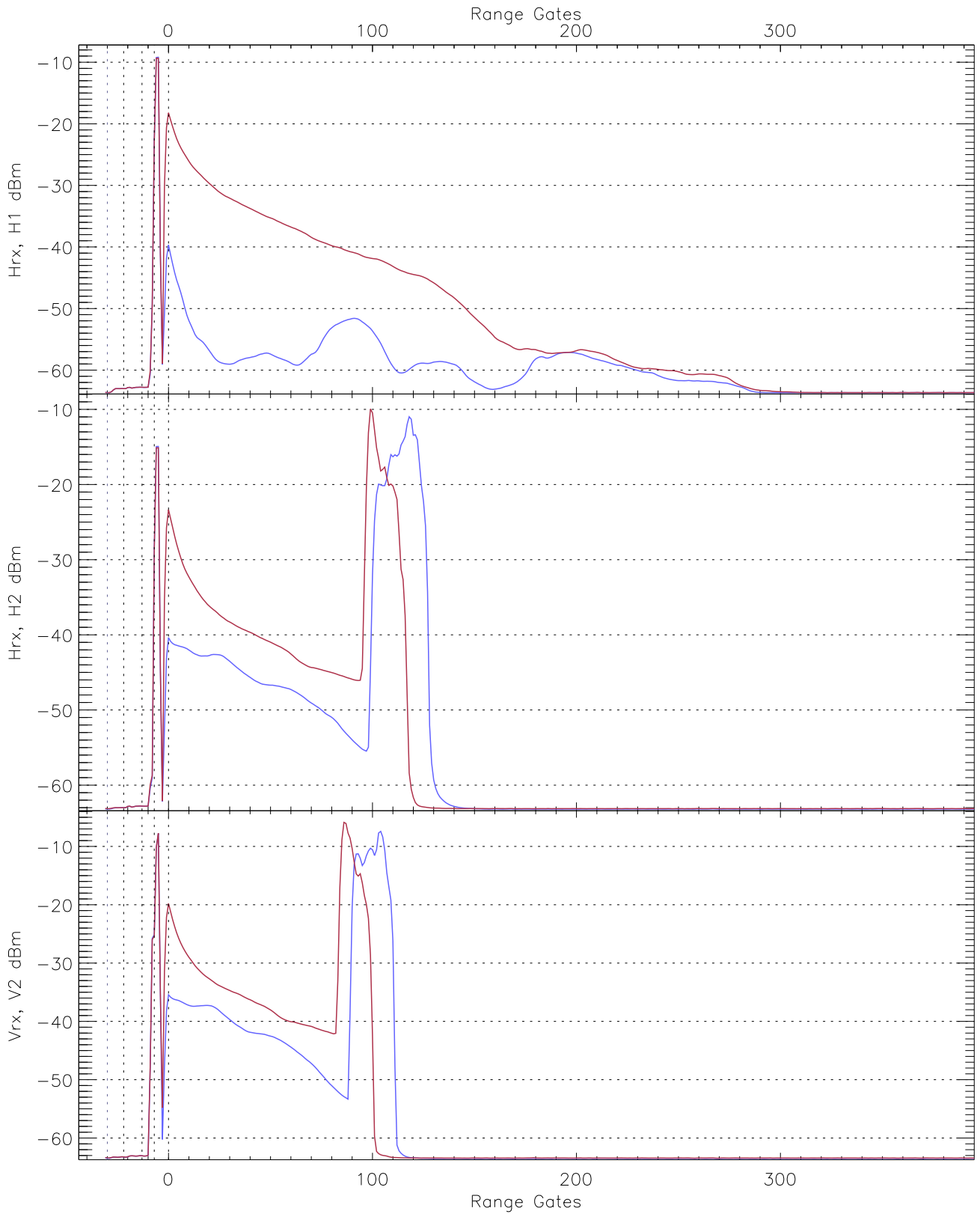
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.71 | -62.68 | -63.65 | -63.65 | -76.30 |
| Hrx, H2 (RM [dBm]) | -64.04 | -62.29 | -63.15 | -63.16 | -75.70 |
| Vrx, V2 (RM [dBm]) | -64.47 | -62.68 | -63.44 | -63.45 | -76.11 |



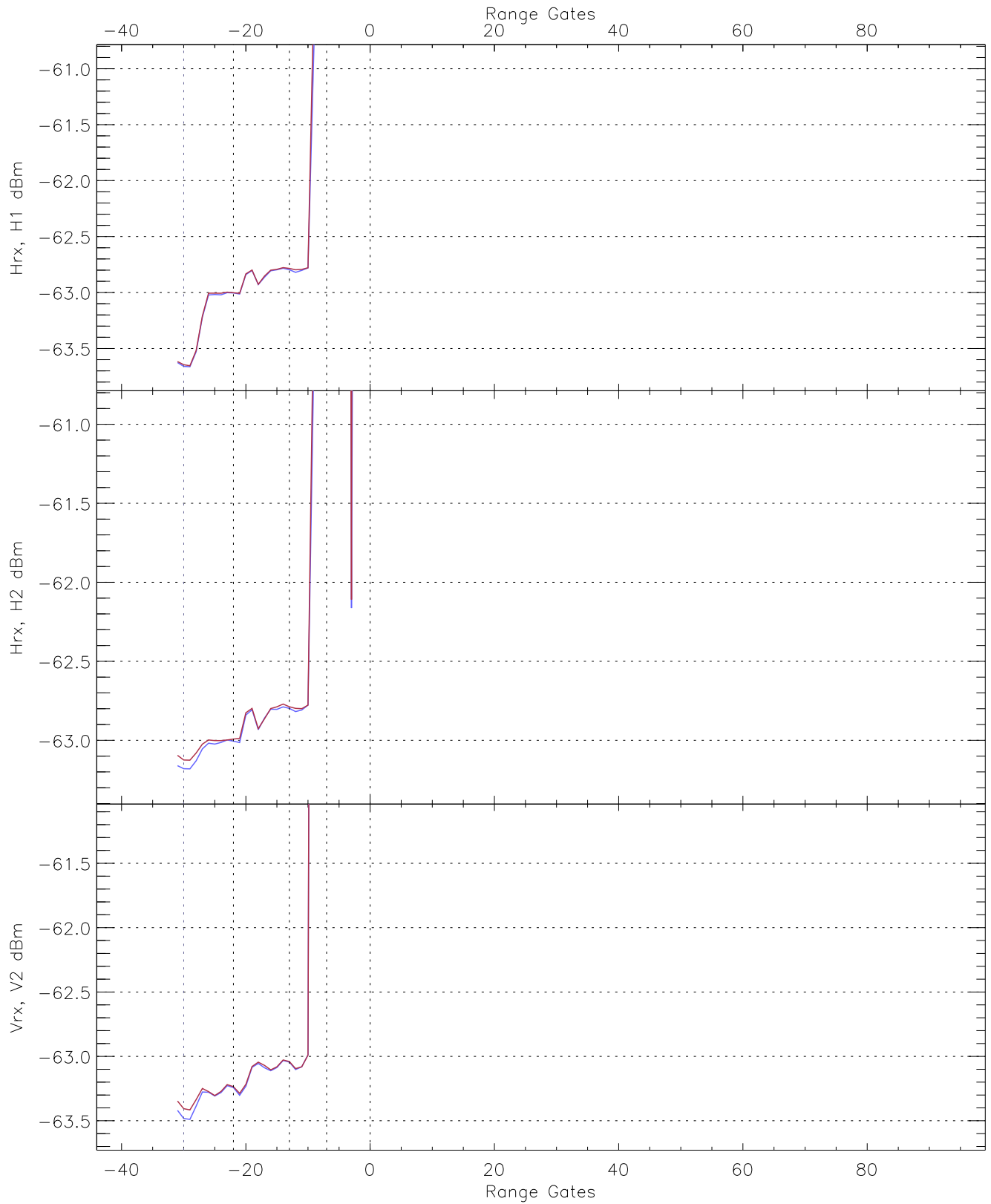
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG357_0 [dBm] | -64.54 | -62.82 | -63.67 | -63.67 | -76.40 |
| H2RG170_0 [dBm] | -64.04 | -62.30 | -63.16 | -63.17 | -75.82 |
| V2RG269_0 [dBm] | -64.30 | -62.49 | -63.49 | -63.49 | -76.17 |

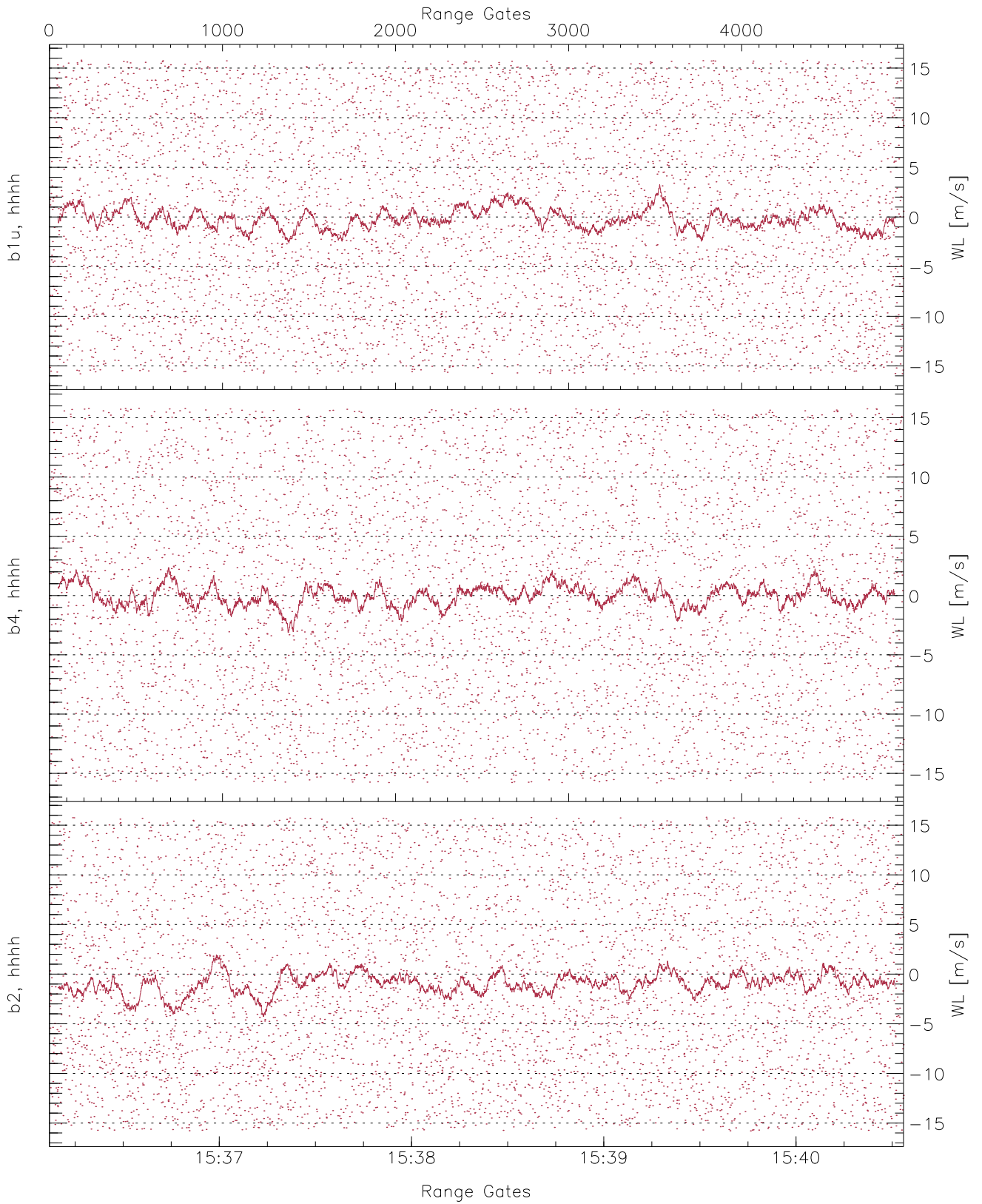


WCR2 CPP Averaged Received power for all recorded gates  
blue: 153607-153820, 2469 profiles averaged  
red: 153820-154034, 2468 profiles averaged

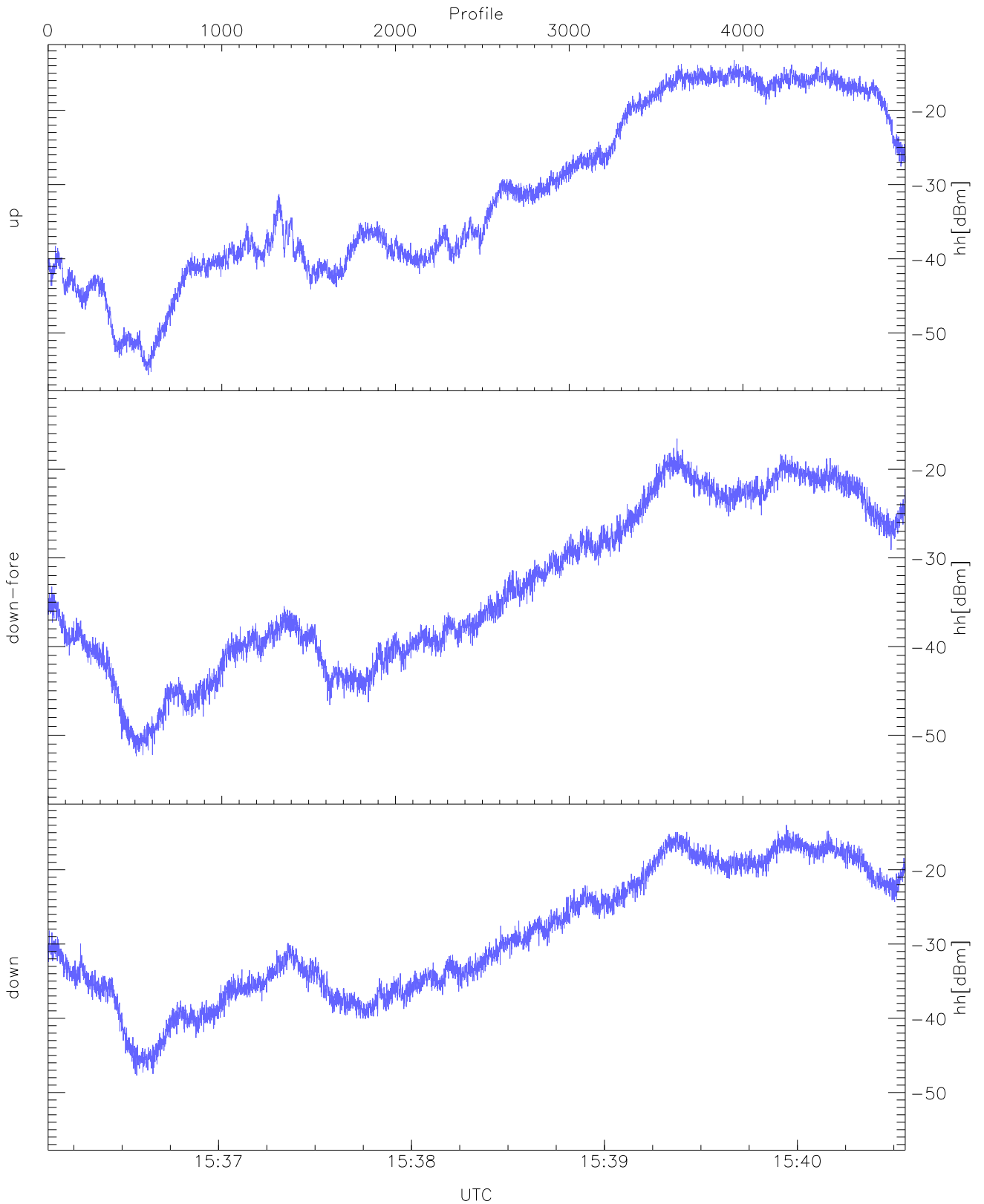




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 153607-153820, 2469 profiles averaged  
red: 153820-154034, 2468 profiles averaged

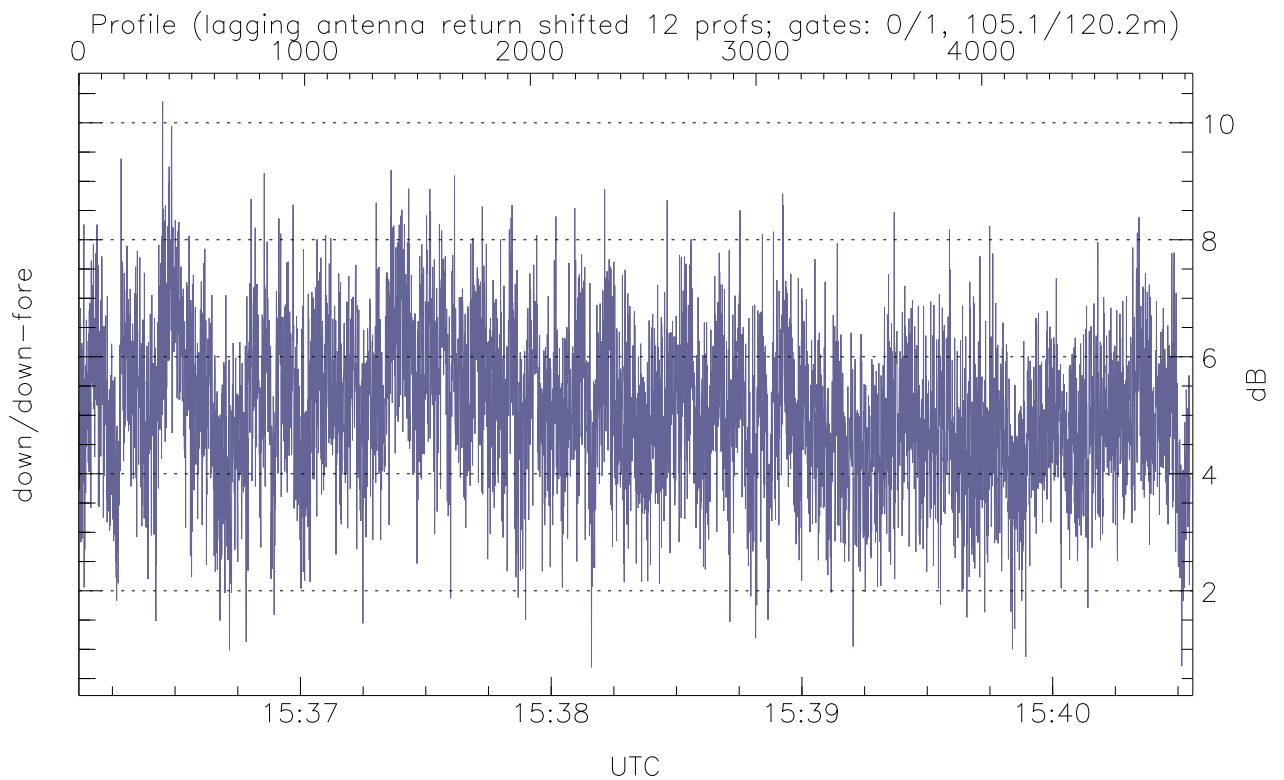
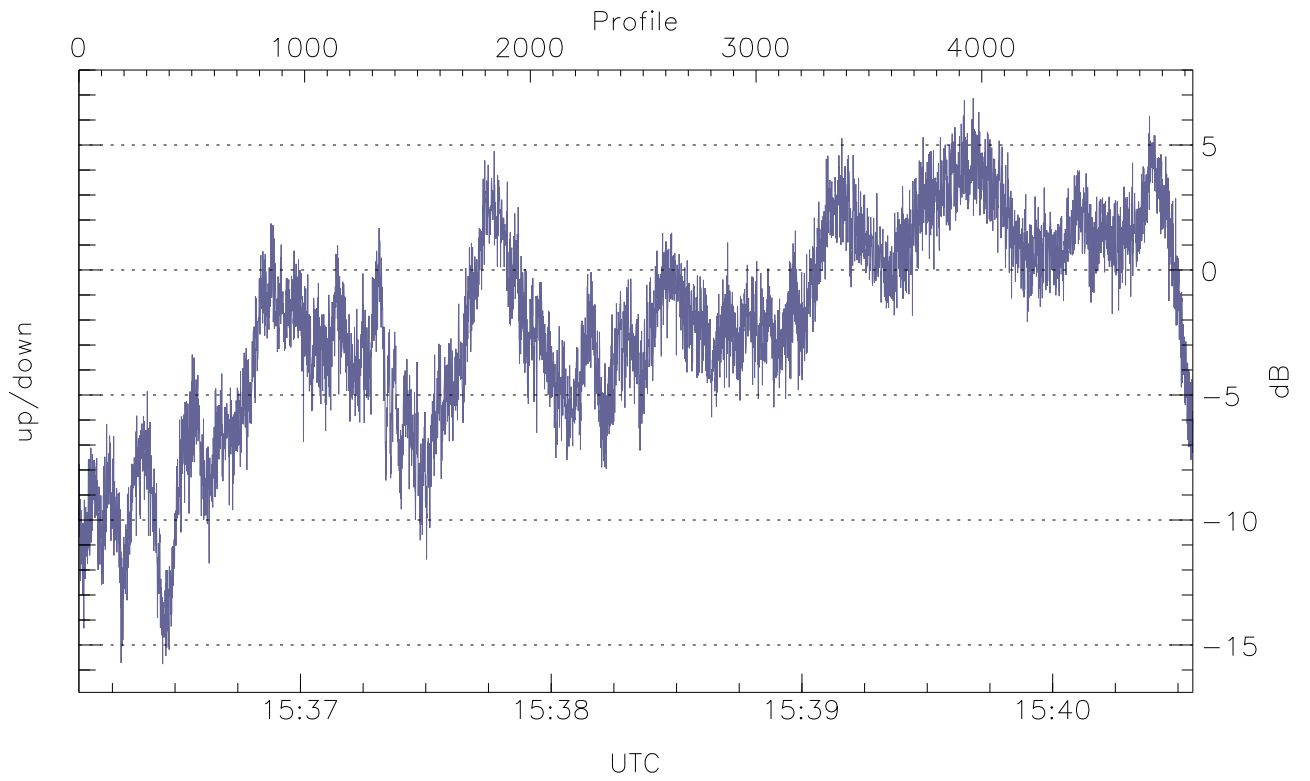


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



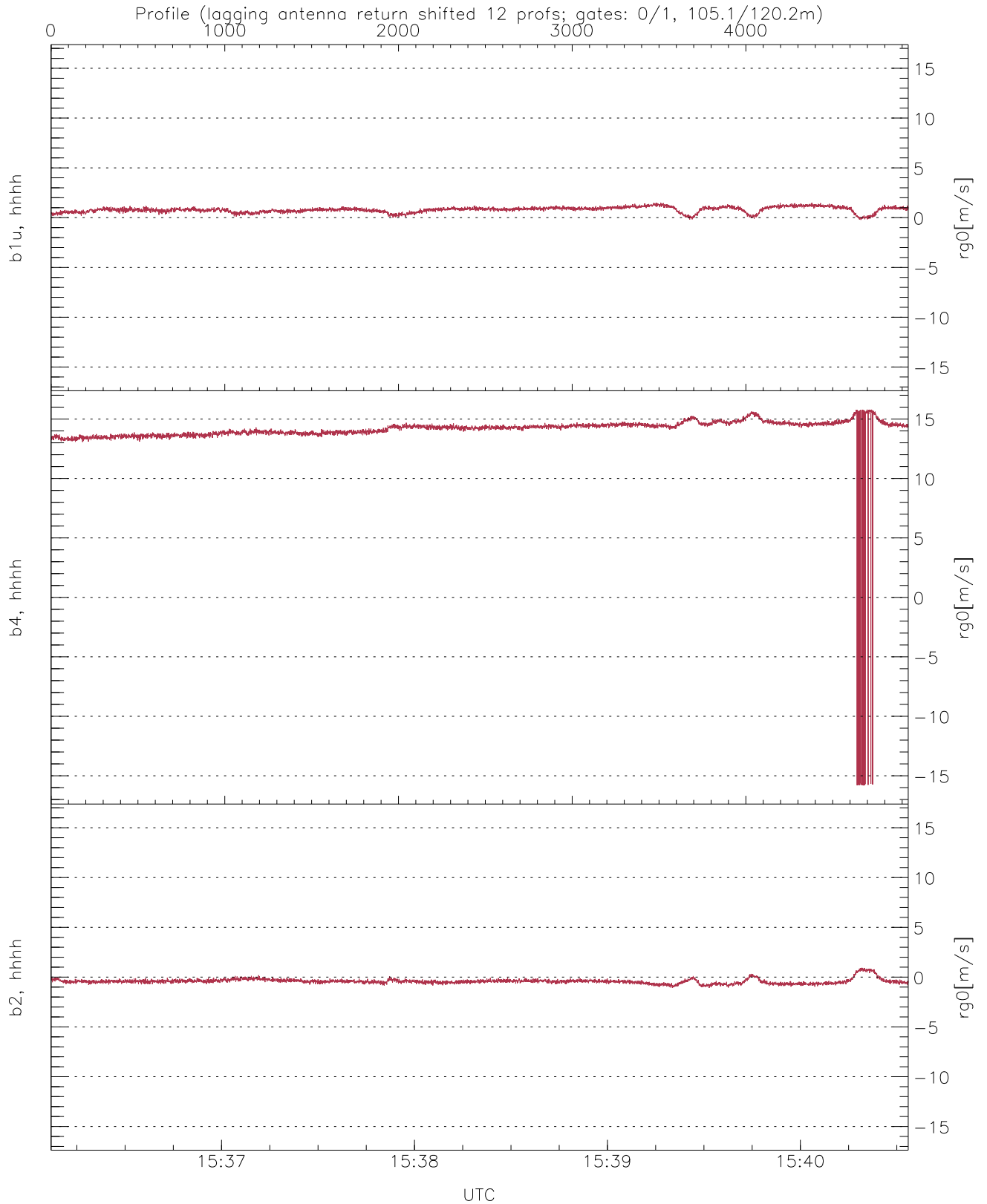
WCR2 CPP Received Power Products for Range gate 0 (105.1 m)

|                     | Min    | Max    | Mean   |
|---------------------|--------|--------|--------|
| up(hh [dBm])        | -55.65 | -13.27 | -21.19 |
| down-fore(hh [dBm]) | -52.39 | -16.54 | -26.28 |
| down(hh [dBm])      | -47.69 | -13.97 | -22.69 |



WCR2 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

|                     | Min    | Max   | Mean  |
|---------------------|--------|-------|-------|
| up/down (dB)        | -15.76 | 6.87  | -2.18 |
| down/down-fore (dB) | 0.69   | 10.36 | 5.11  |



WCR2 CPP Doppler Velocity Products at 105.1 m range

|                         | Min    | Max   | Mean  | StDev |
|-------------------------|--------|-------|-------|-------|
| b1u, hhhh( $rg0$ [m/s]) | -0.20  | 1.50  | 0.80  | 0.28  |
| b4, hhhh( $rg0$ [m/s])  | -15.80 | 15.79 | 14.03 | 2.46  |
| b2, hhhh( $rg0$ [m/s])  | -1.08  | 0.93  | -0.42 | 0.26  |