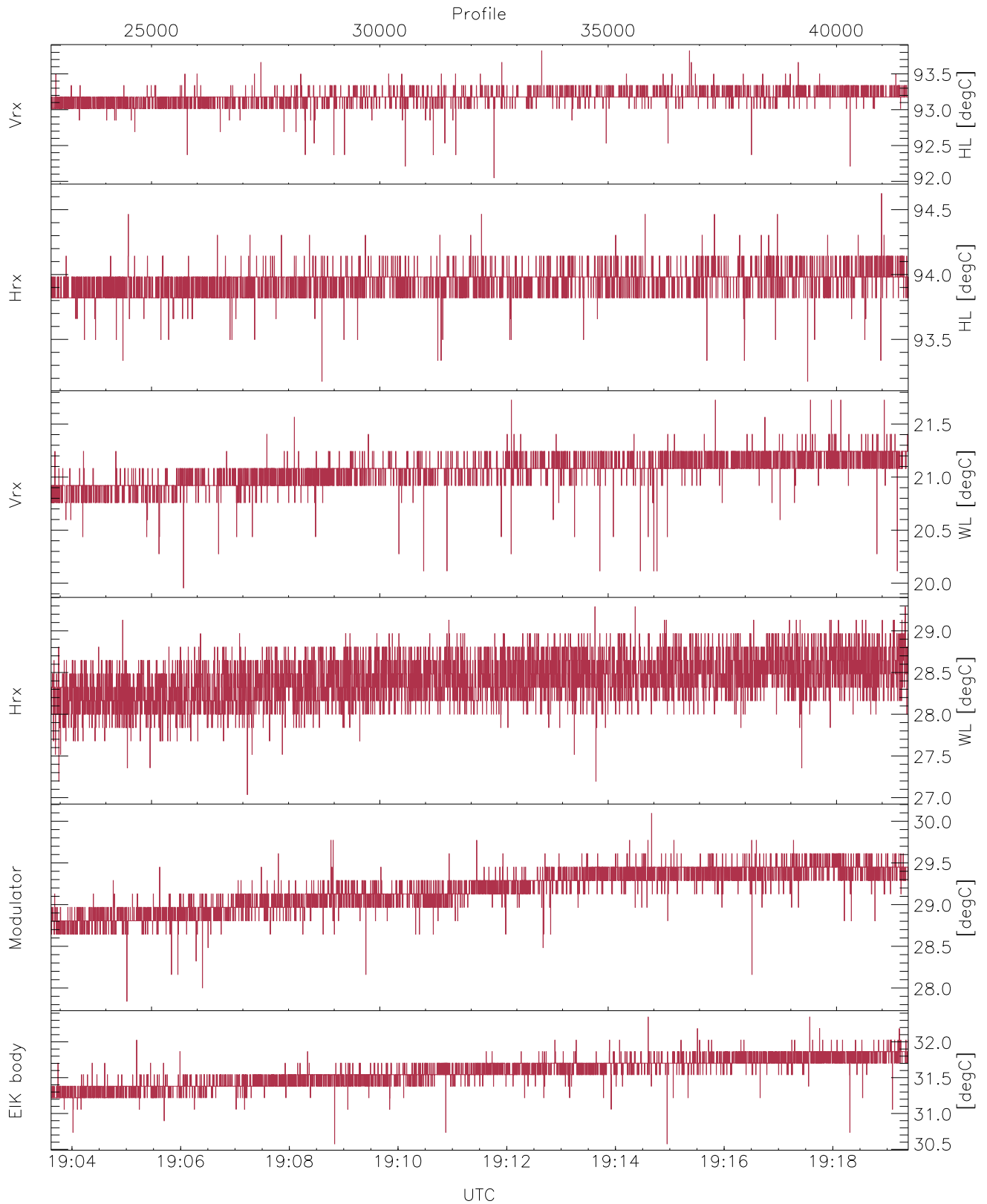


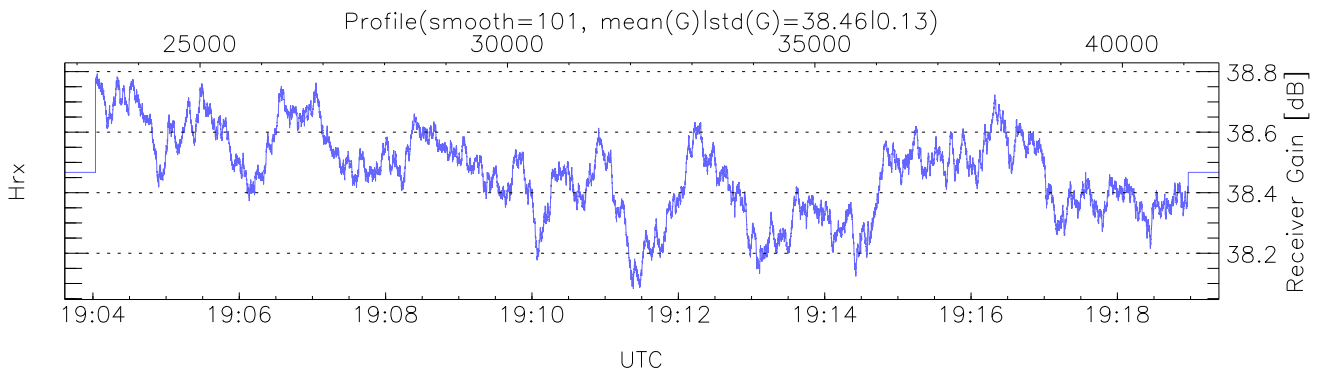
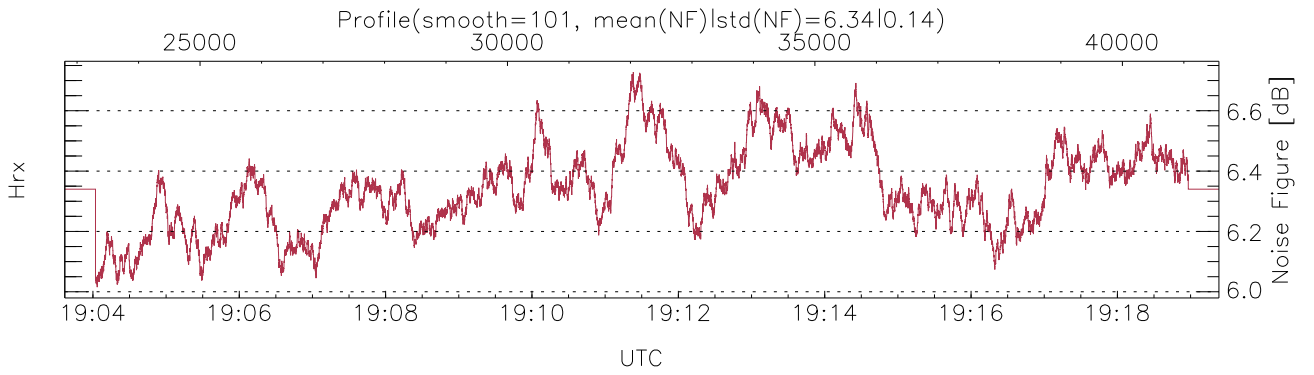
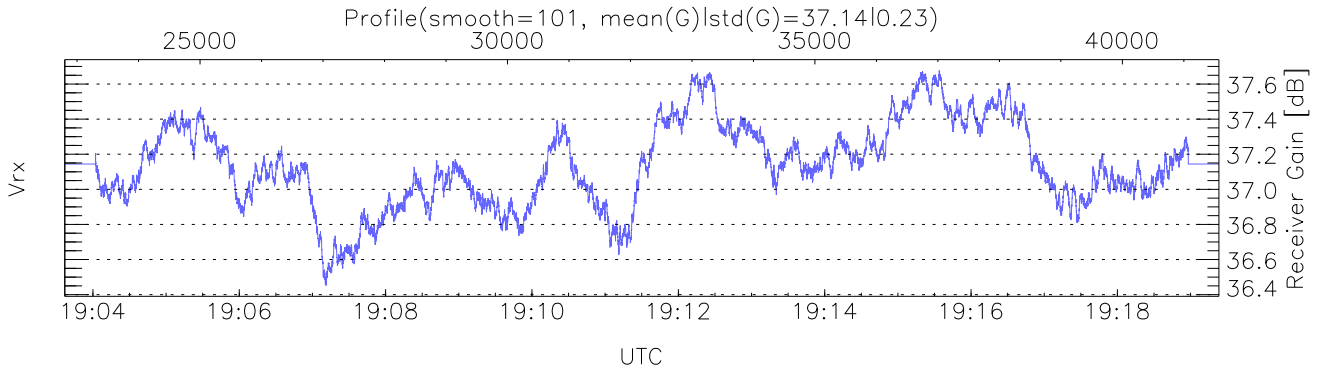
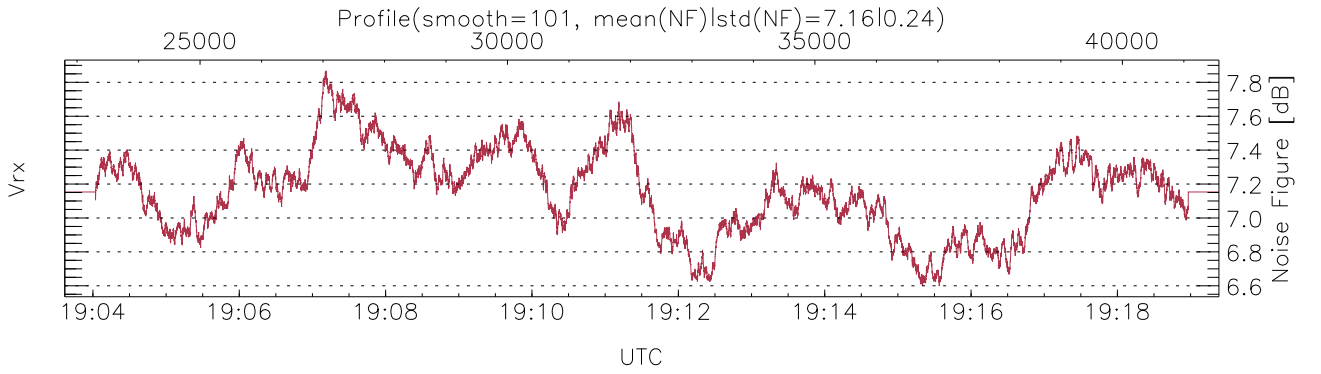
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:44:28-19:19:23, Dur: 2095.70s  
 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): 18772/41572, 22800-41571/19:03:37-19:19:23  
 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,rqs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



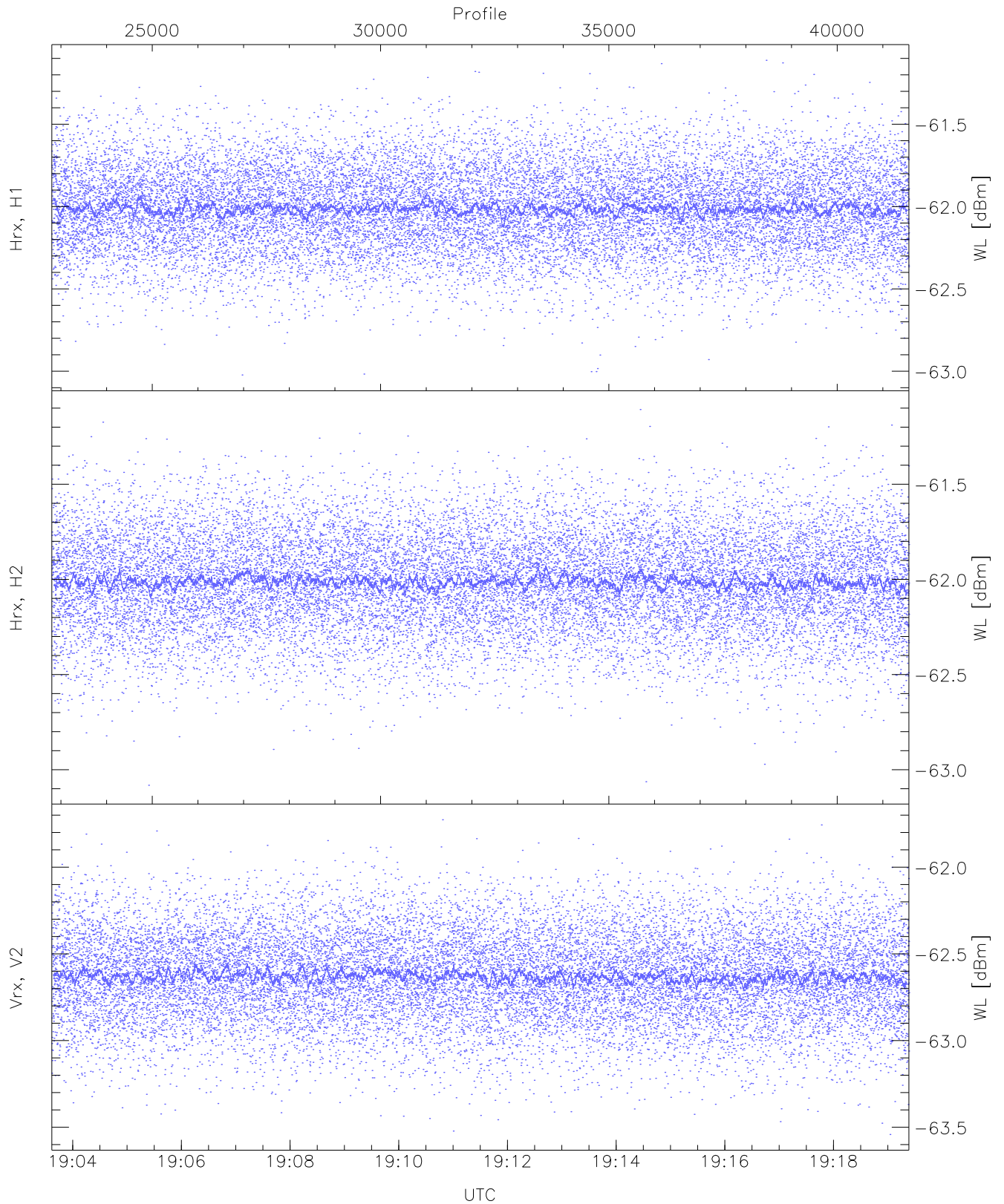
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,19,27,27,30`  
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,21,29,30,32`  
`LOalarm(20,80,240,2.8,14.8 MHz): None`  
`EIK Faults(# prof affected):`  
`DeckT,CollT,BodyCurr,DeckF,OverDuty (11,11,11,11,11)`



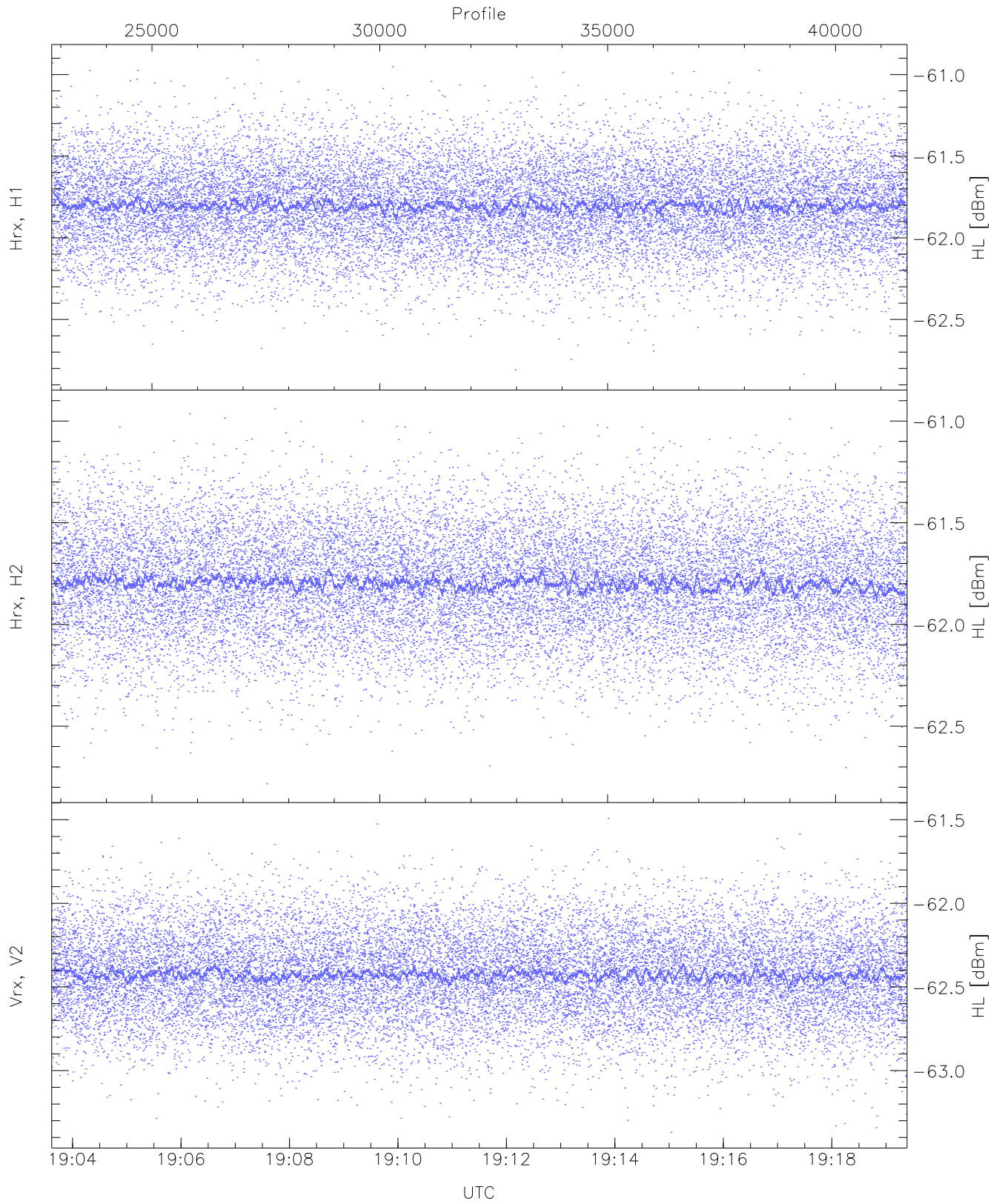
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 3362 pixs, 33 gates, 3268 profs, 2 prods



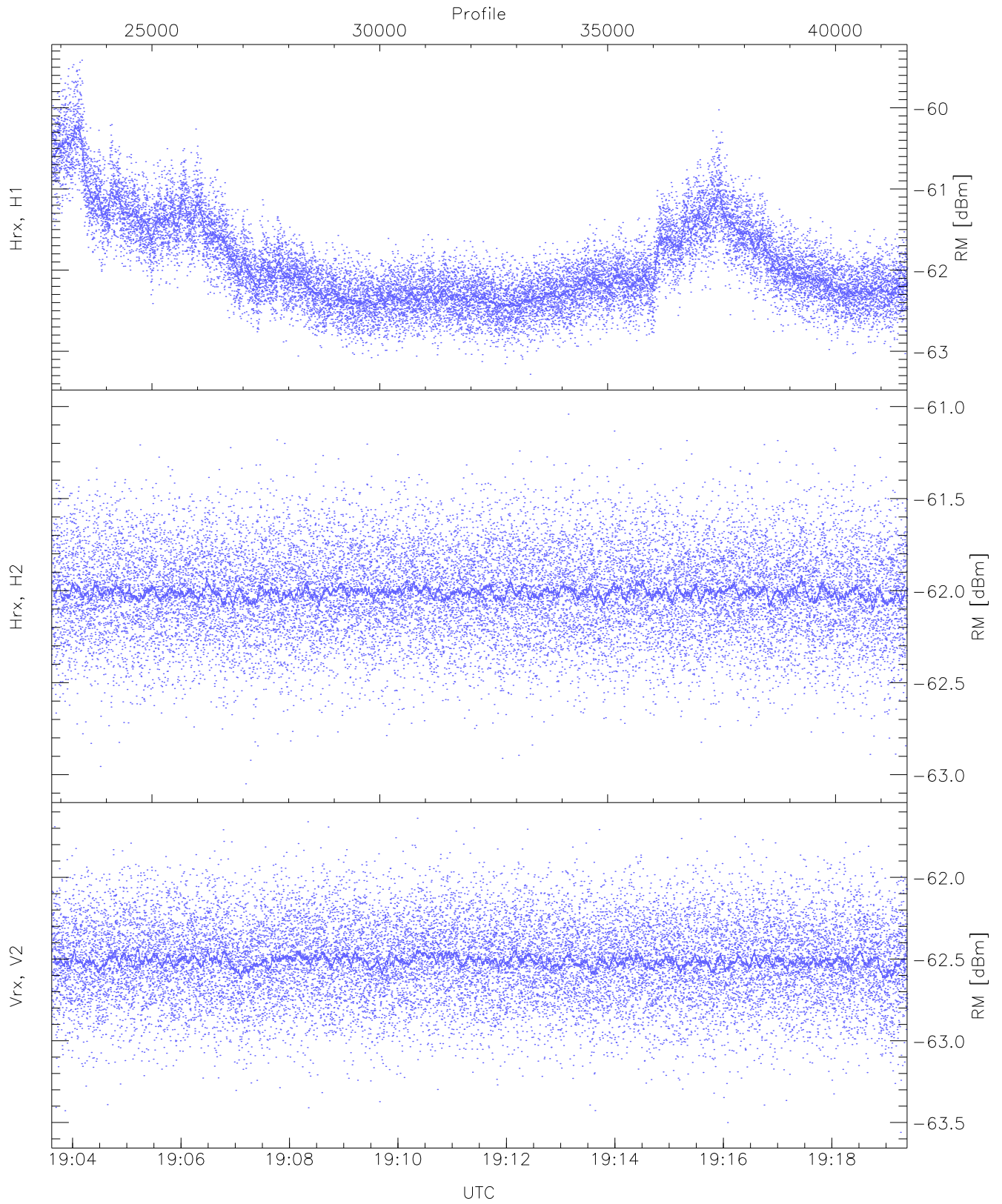
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -63.02 | -61.11 | -62.01 | -62.01 | -74.58 |
| Hrx, H2(WL [dBm]) | -63.08 | -61.11 | -62.01 | -62.01 | -74.59 |
| Vrx, V2(WL [dBm]) | -63.54 | -61.73 | -62.63 | -62.63 | -75.21 |



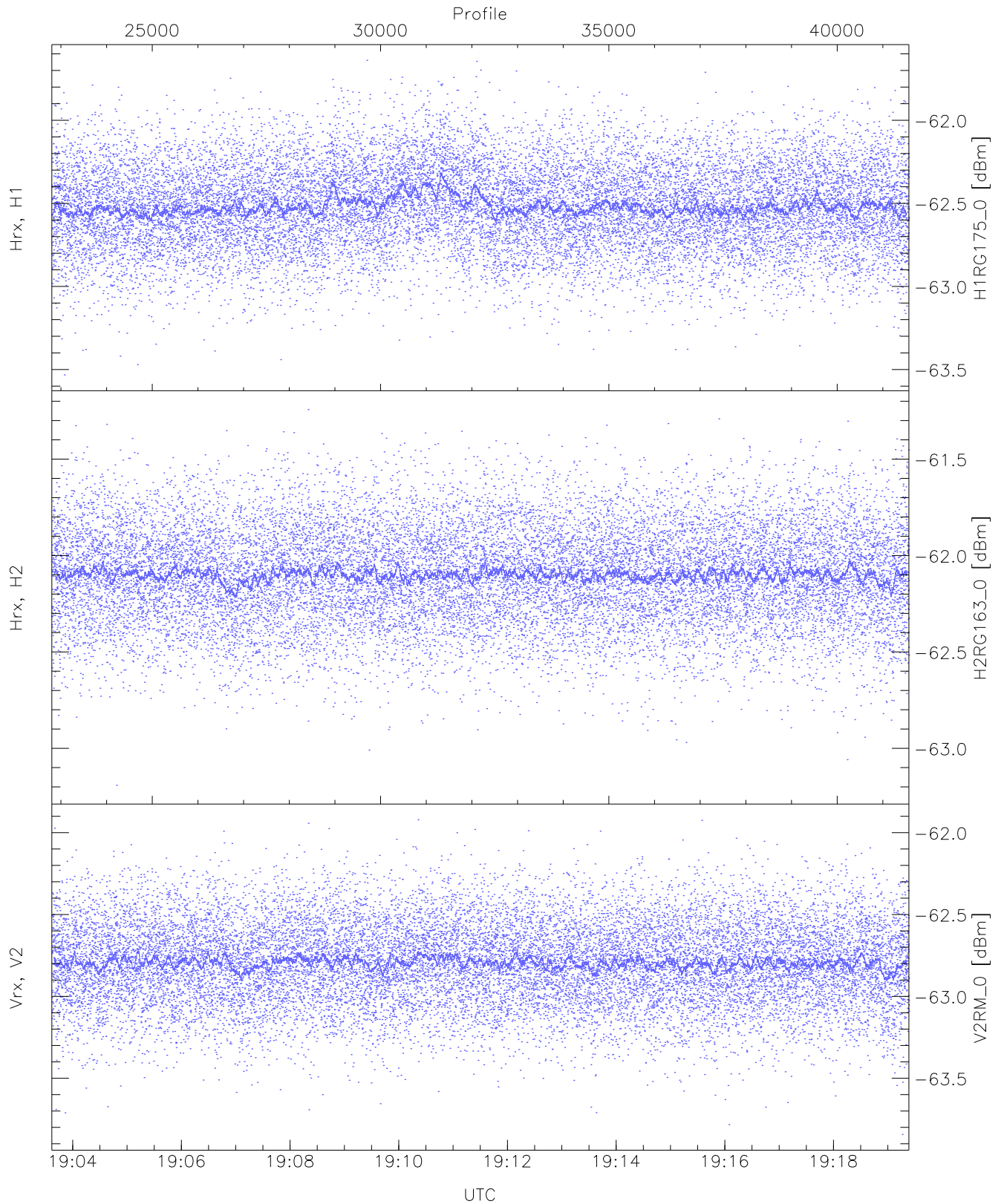
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -62.84 | -60.91 | -61.80 | -61.80 | -74.36 |
| Hrx, H2 (HL [dBm]) | -62.78 | -60.94 | -61.79 | -61.80 | -74.38 |
| Vrx, V2 (HL [dBm]) | -63.37 | -61.49 | -62.43 | -62.43 | -74.98 |



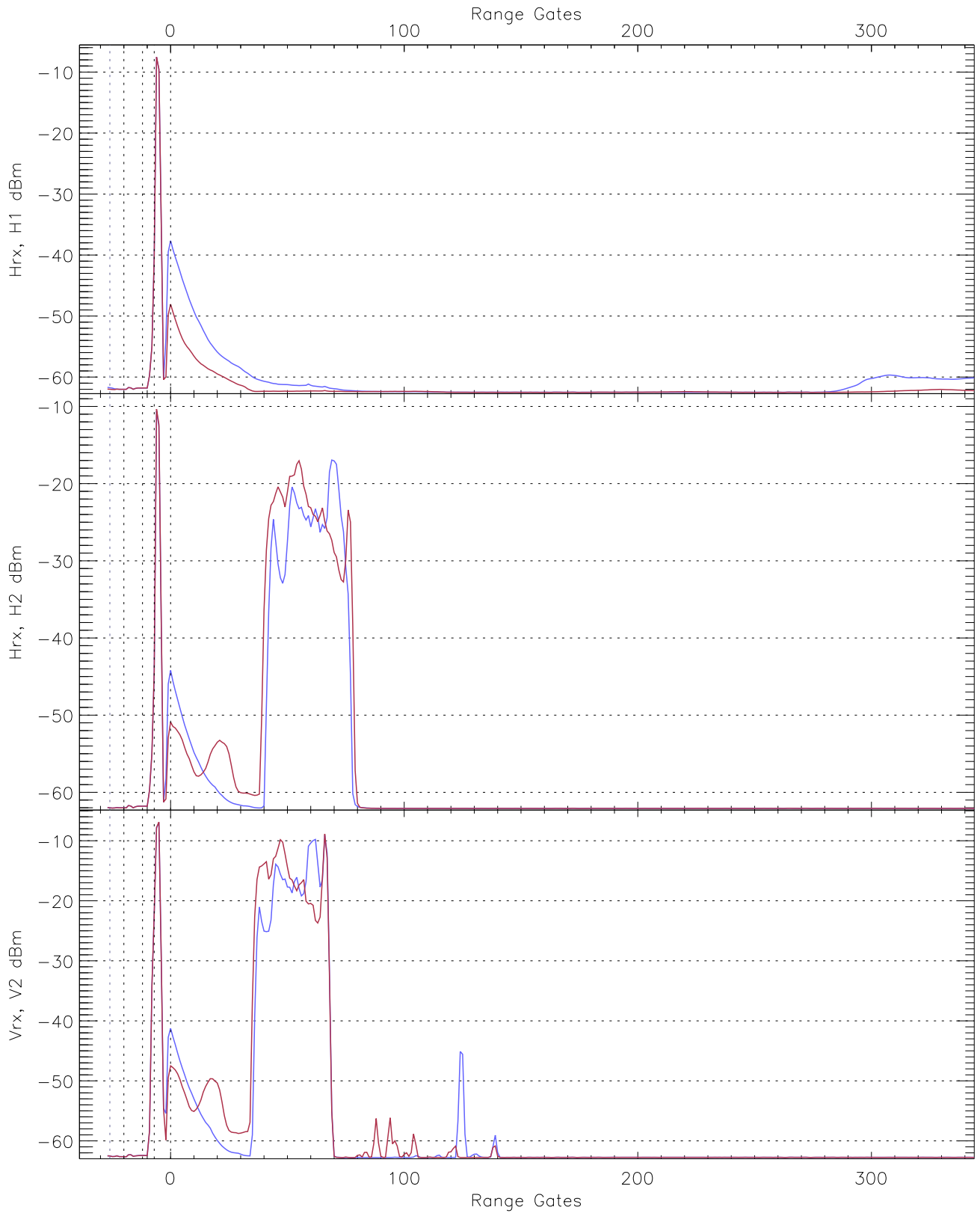
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(RM [dBm]) | -63.28 | -59.41 | -61.88 | -62.05 | -70.44 |
| Hrx, H2(RM [dBm]) | -63.05 | -61.01 | -62.01 | -62.01 | -74.59 |
| Vrx, V2(RM [dBm]) | -63.56 | -61.64 | -62.51 | -62.51 | -75.04 |



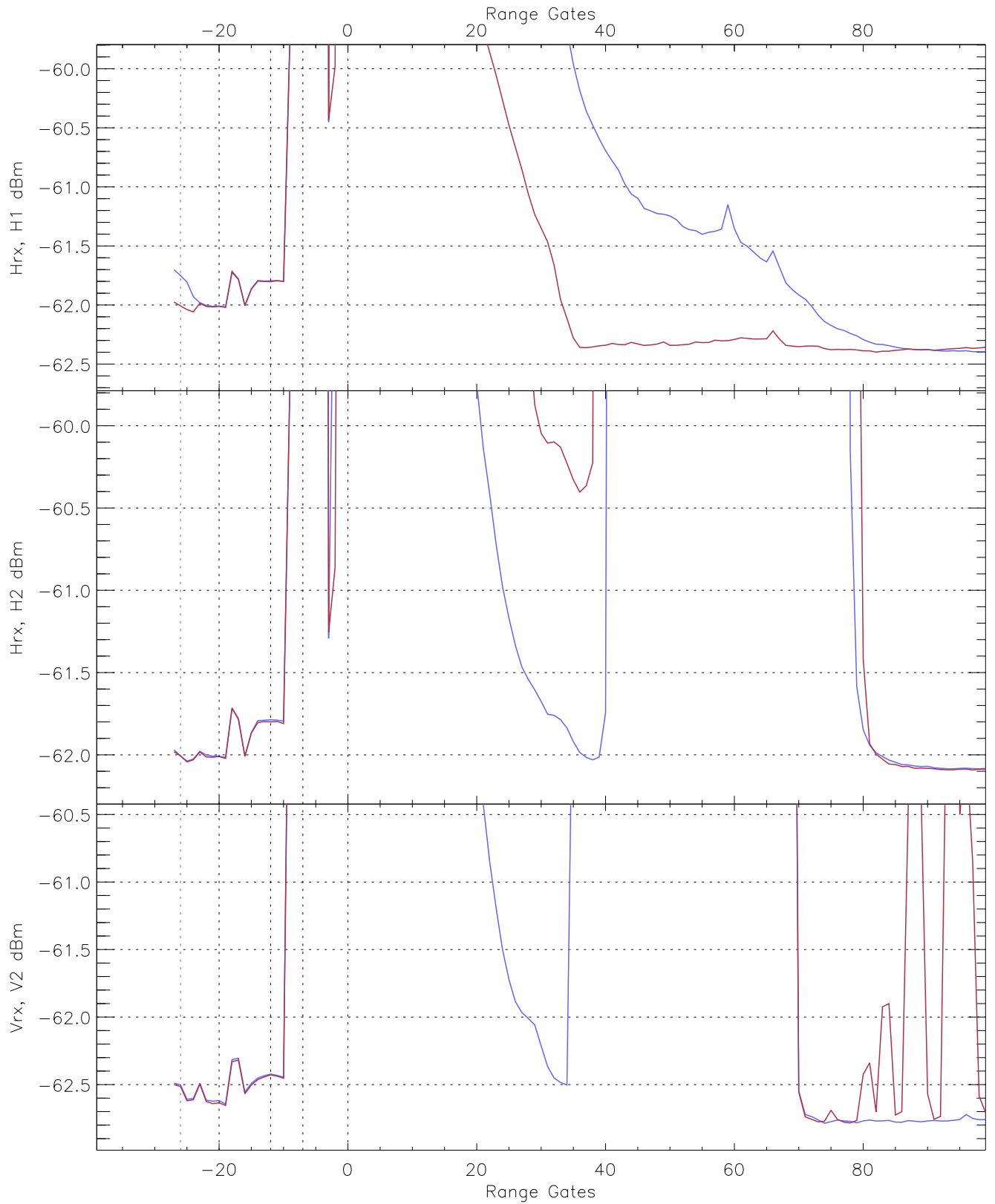
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG175_0 [dBm] | -63.53 | -61.64 | -62.51 | -62.52 | -75.03 |
| H2RG163_0 [dBm] | -63.19 | -61.24 | -62.10 | -62.10 | -74.66 |
| V2RM_0 [dBm]    | -63.84 | -61.92 | -62.79 | -62.80 | -75.32 |

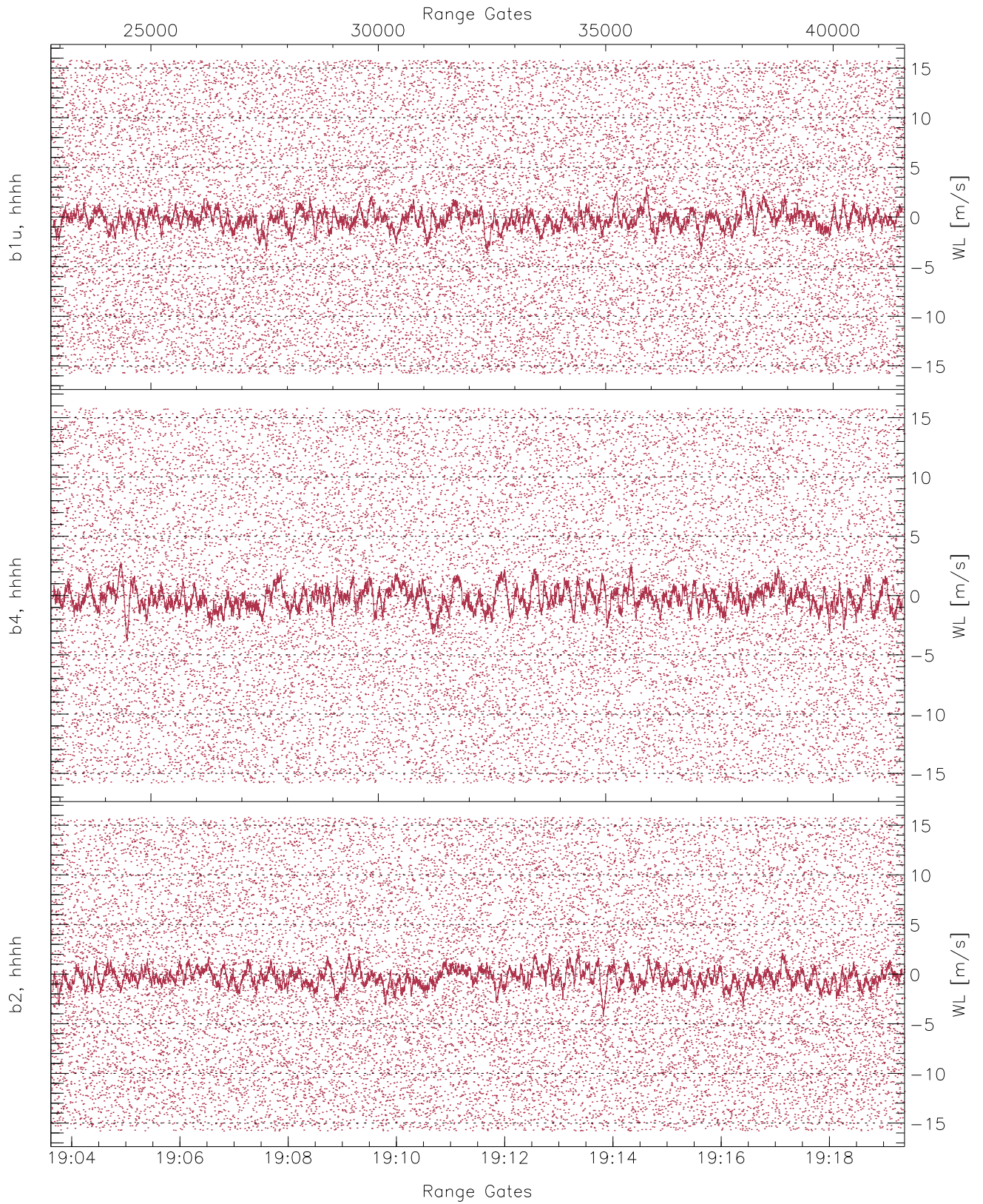


WCR2 CPP Averaged Received power for all recorded gates  
blue: 190337-191130, 9387 profiles averaged  
red: 191130-191923, 9386 profiles averaged

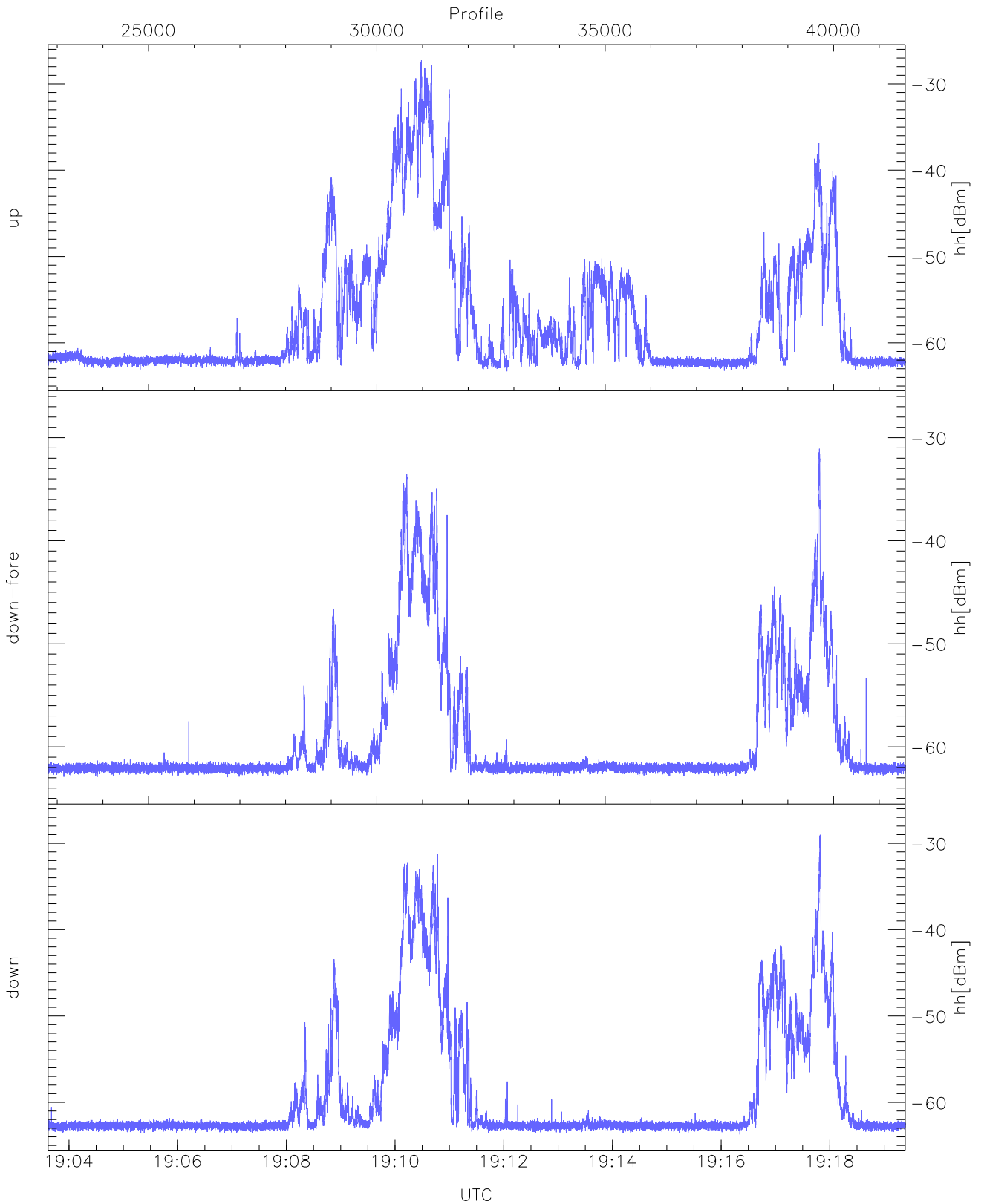




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 190337-191130, 9387 profiles averaged  
red: 191130-191923, 9386 profiles averaged

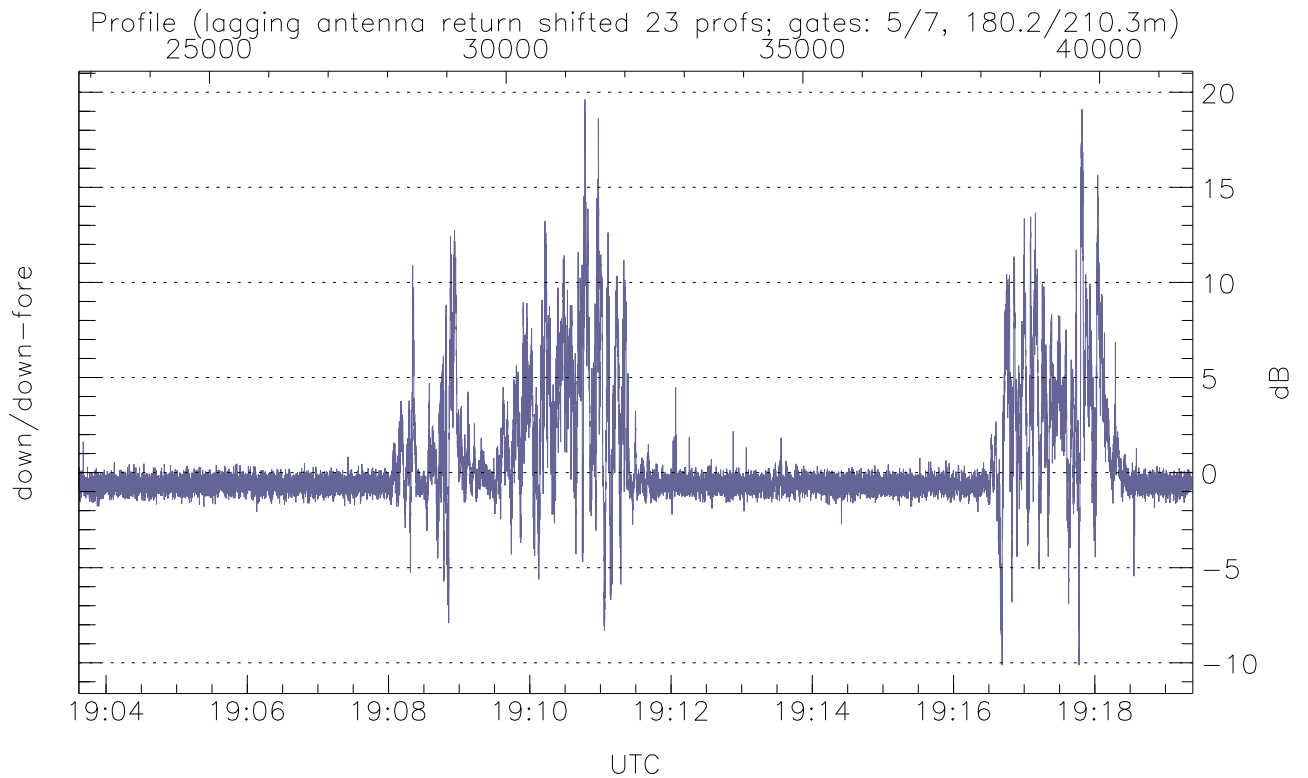
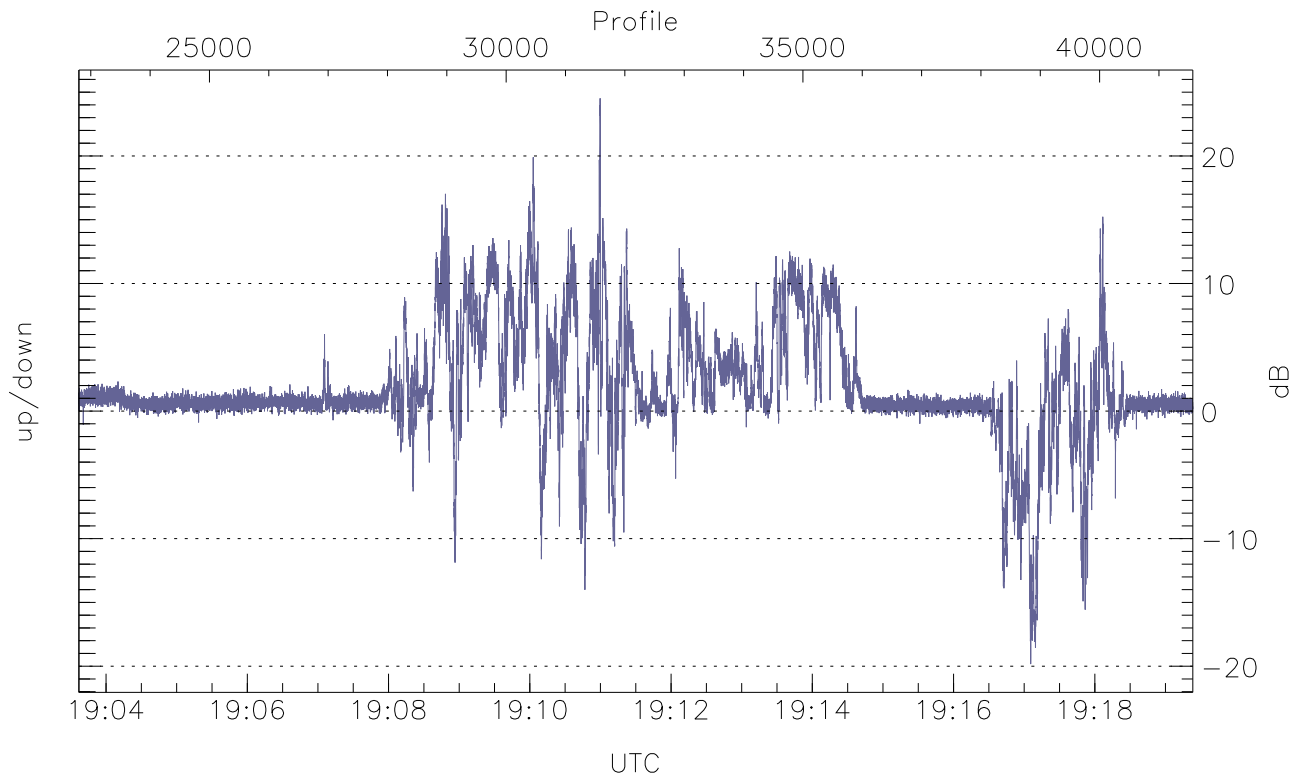


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



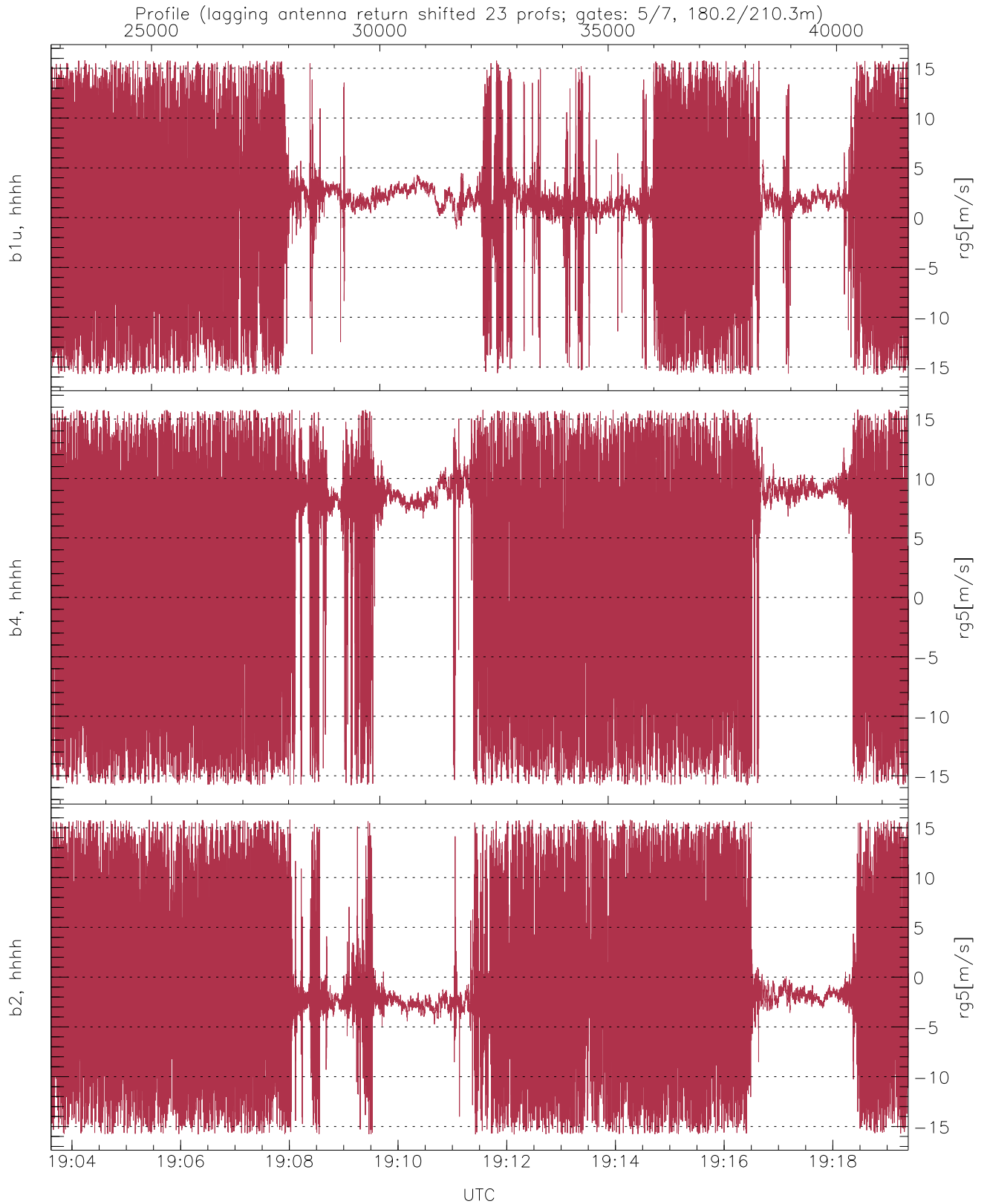
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -63.29 | -27.27 | -46.50 |
| down-fore(hh[dBm]) | -62.95 | -31.09 | -51.44 |
| down(hh[dBm])      | -63.72 | -29.03 | -49.14 |



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

|                     | Min    | Max   | Mean |
|---------------------|--------|-------|------|
| up/down (dB)        | -19.83 | 24.52 | 1.88 |
| down/down-fore (dB) | -10.13 | 19.62 | 0.46 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | 0.90  | 6.22  |
| b4, hhhh(rg5[m/s])  | -15.80 | 15.80 | 2.89  | 8.53  |
| b2, hhhh(rg5[m/s])  | -15.79 | 15.80 | -1.04 | 7.18  |