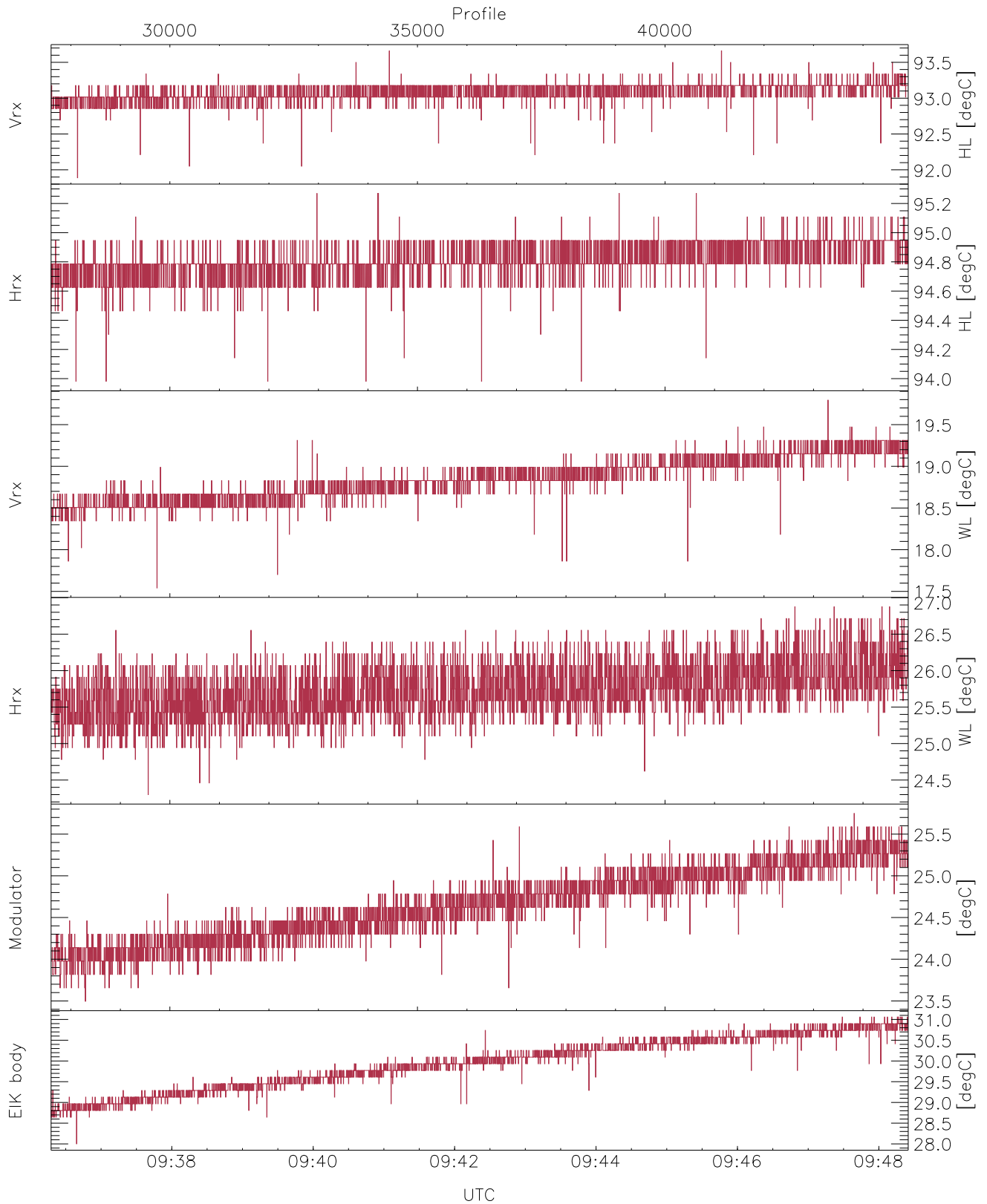


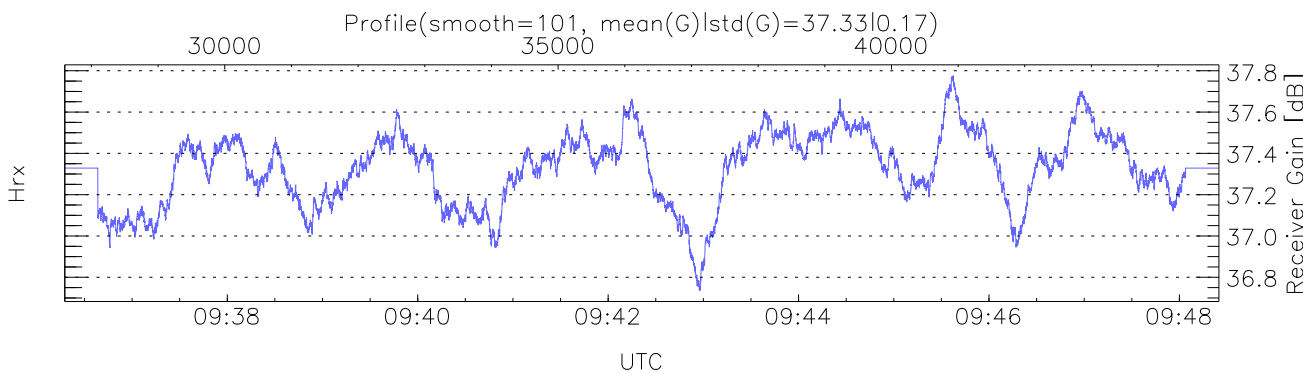
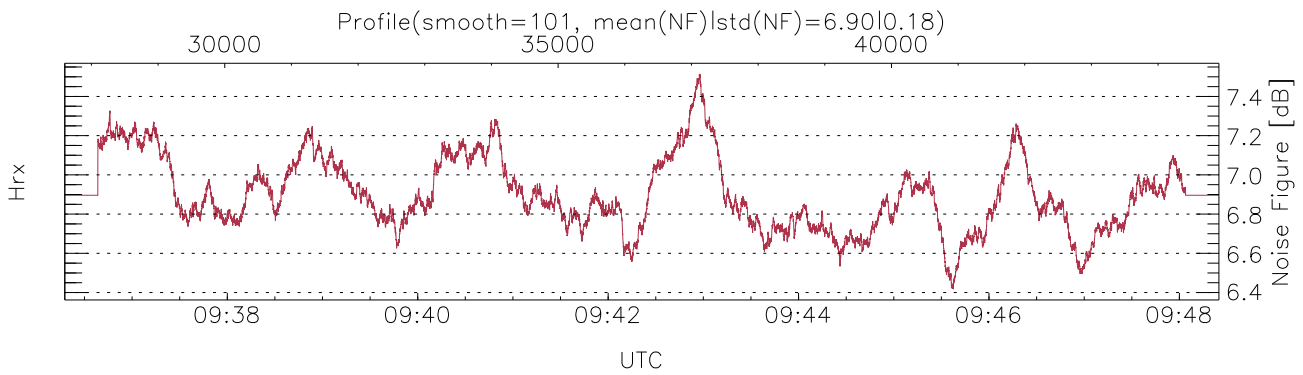
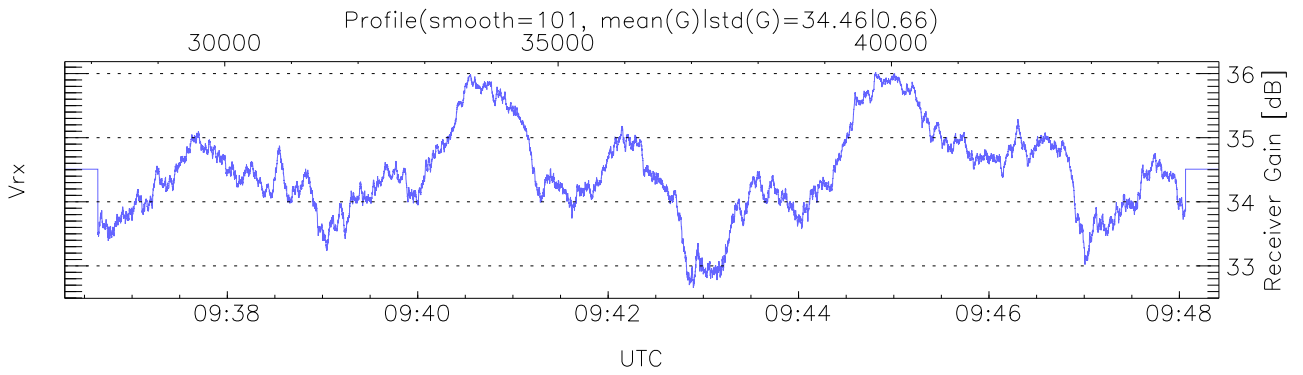
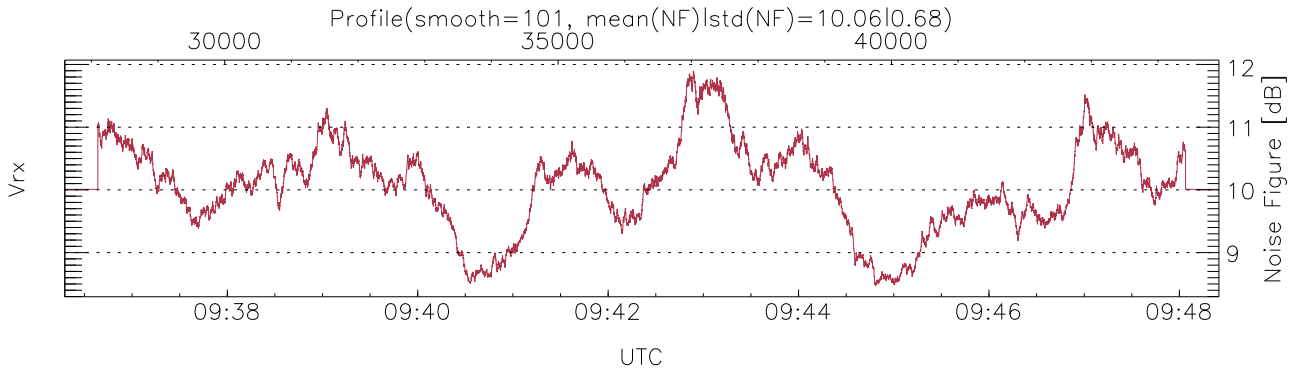
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 09:16:58-09:48:25, Dur: 1886.82s  
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant  
 TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24  
 NumRec(r/t): 17314/44914, 27600-44913/09:36:18-09:48:25  
 AcqTime: 42.0ms, Rate: 377KB/s, Averages: 140  
 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): 105,6187,15.0 m, Gates: 406, Aspect: 4.0  
 Mirror(-9|0|1|2,3,9x)=no mirror|sidelup|error): 1



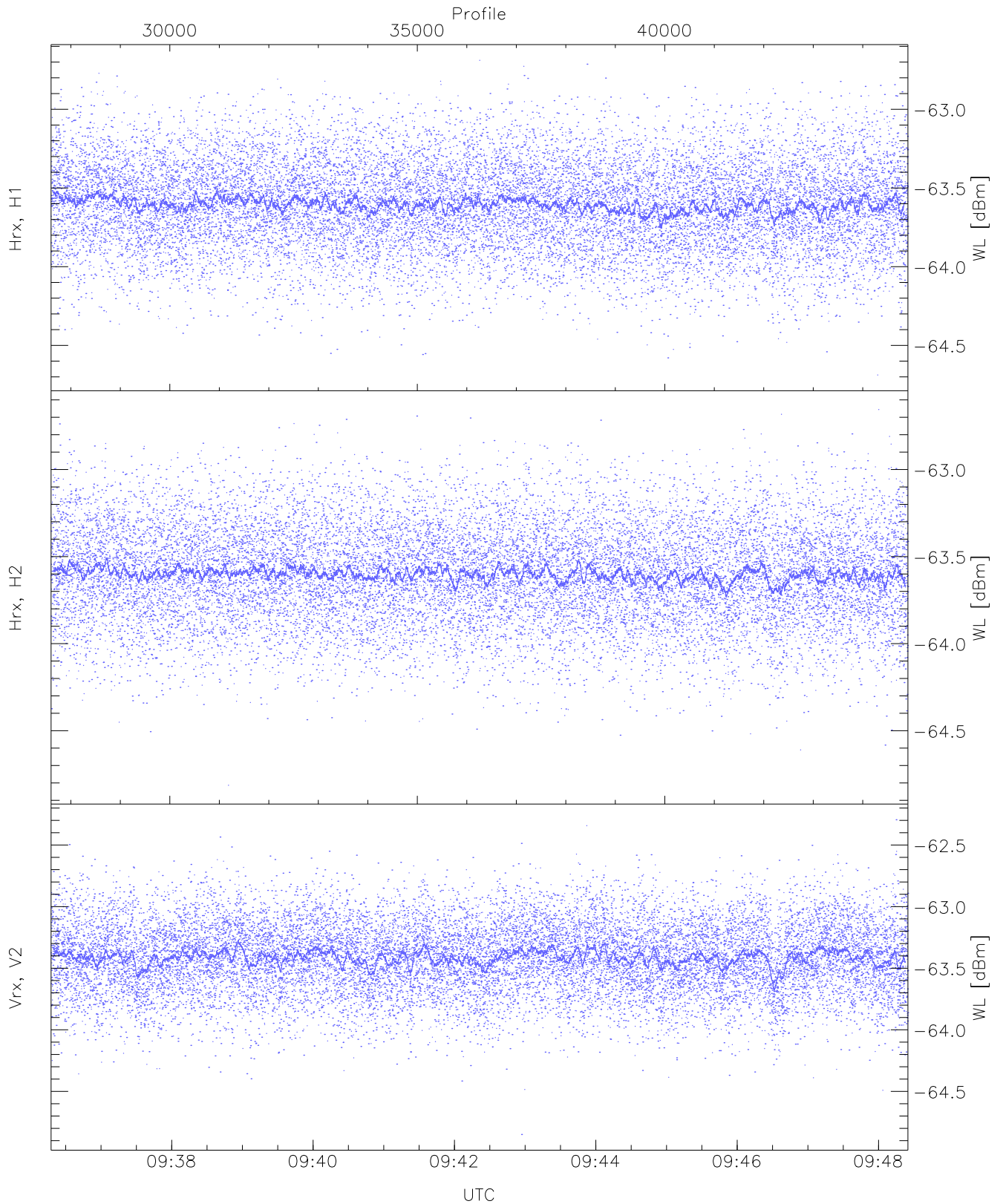
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,17,24,23,28  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,19,26,25,31  
LOalarm(20,80,240,2.8,14.8 MHz): None  
EIK/Modulator Faults: None



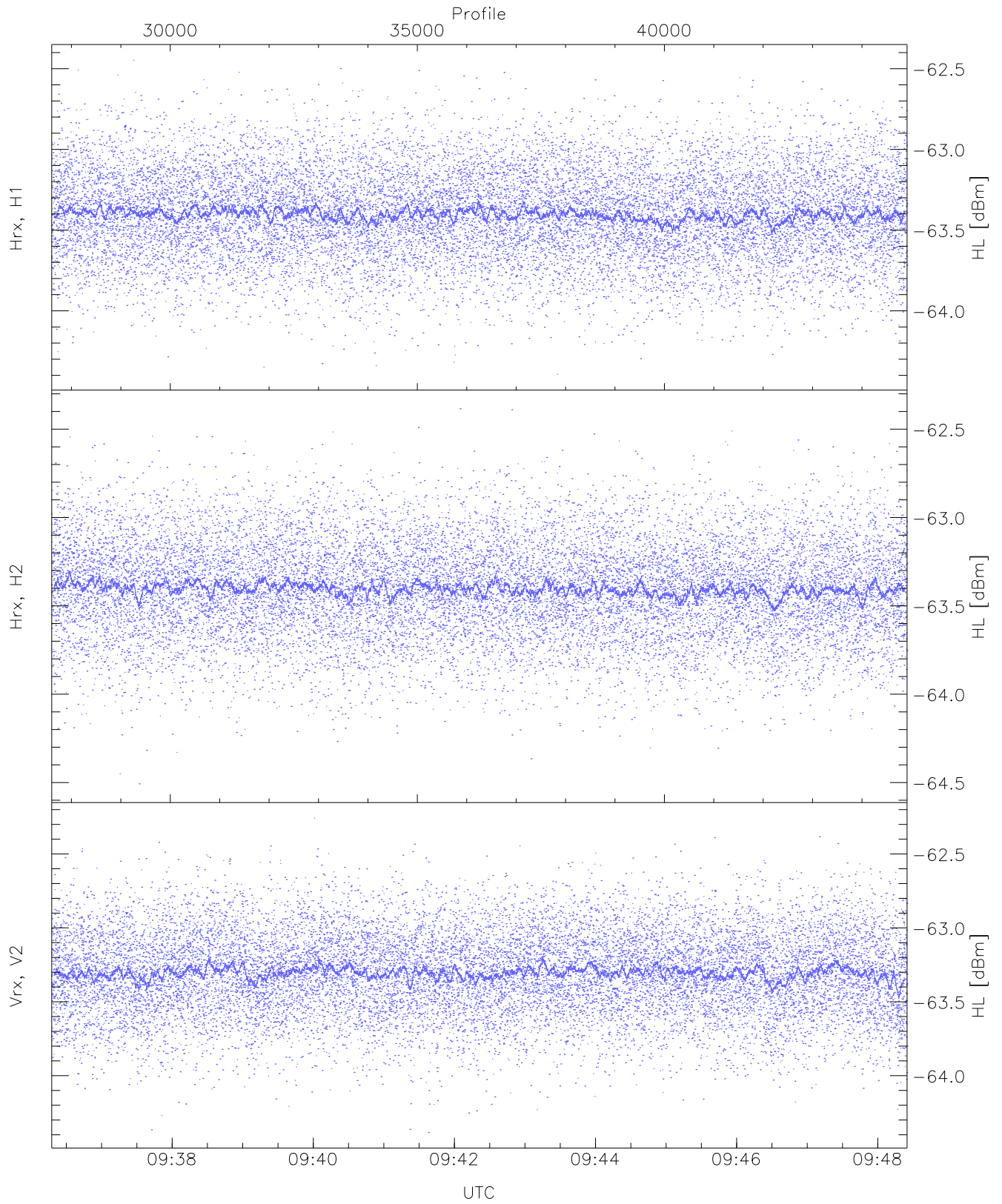
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 28244 pixs, 13 gates, 17298 profs, 1 prods



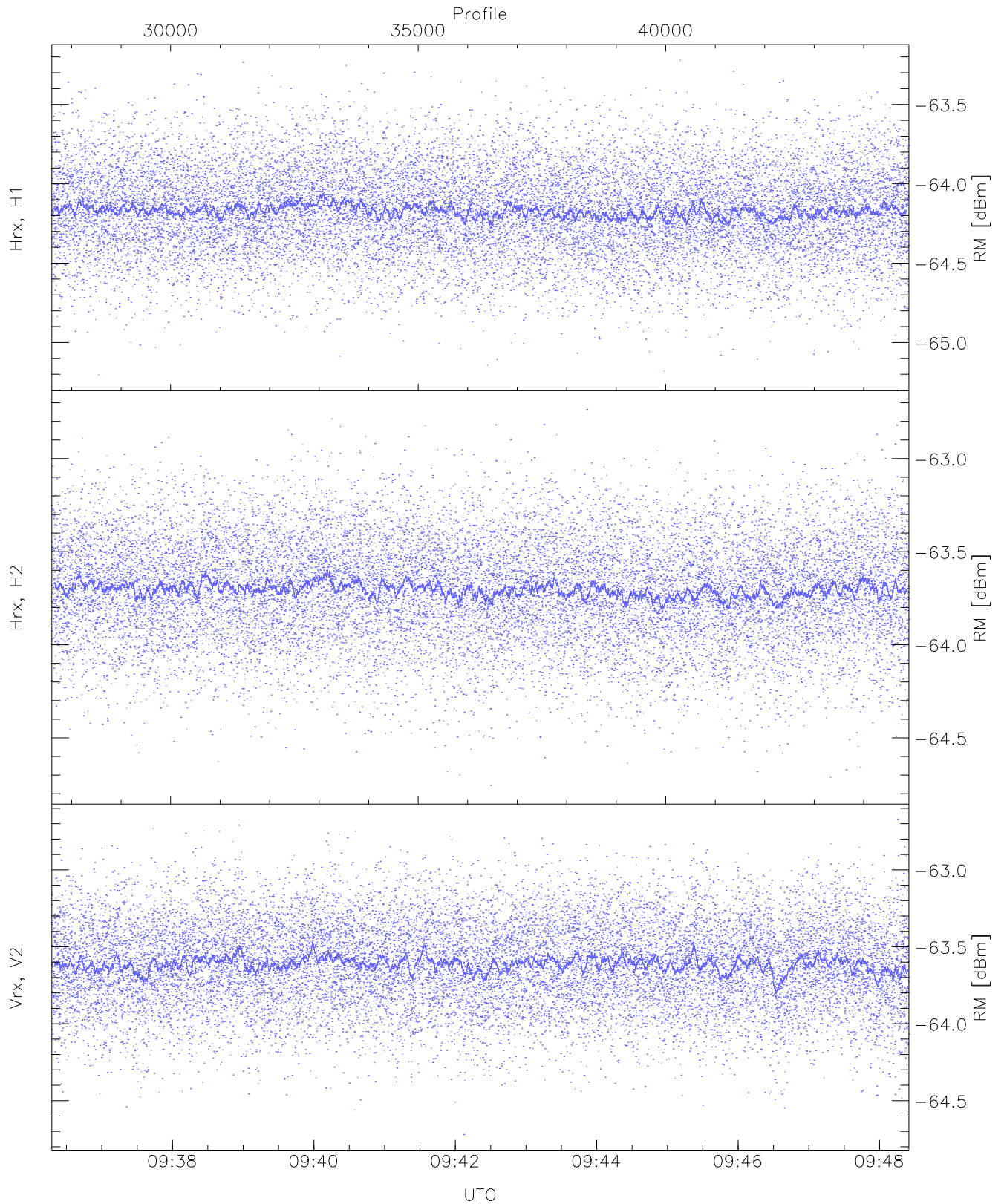
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -64.69 | -62.69 | -63.60 | -63.60 | -75.73 |
| Hrx, H2 (WL [dBm]) | -64.81 | -62.66 | -63.60 | -63.60 | -75.74 |
| Vrx, V2 (WL [dBm]) | -64.85 | -62.30 | -63.41 | -63.41 | -75.39 |



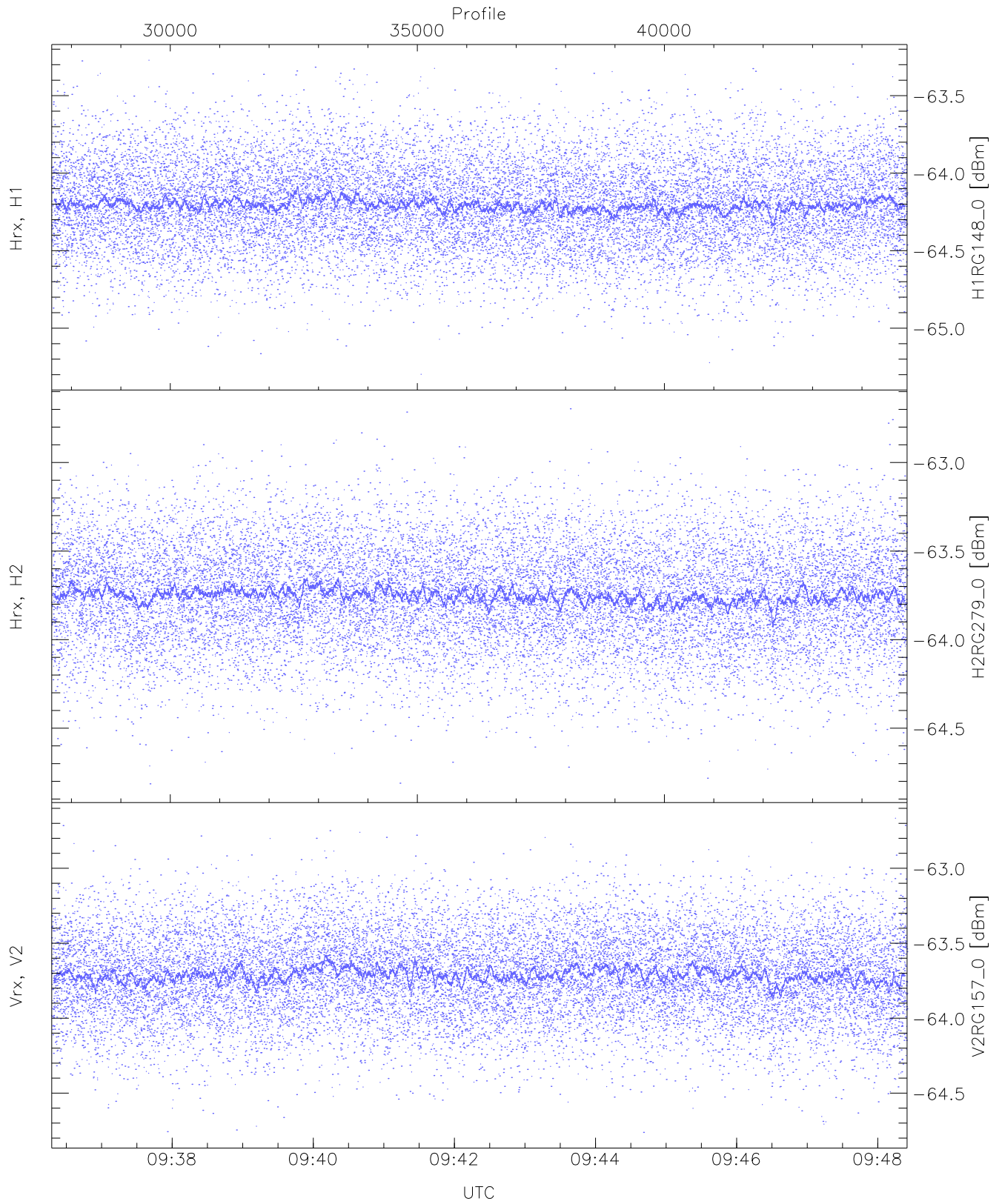
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -64.39 | -62.45 | -63.40 | -63.40 | -75.52 |
| Hrx, H2 (HL [dBm]) | -64.51 | -62.38 | -63.40 | -63.41 | -75.60 |
| Vrx, V2 (HL [dBm]) | -64.38 | -62.26 | -63.30 | -63.31 | -75.38 |



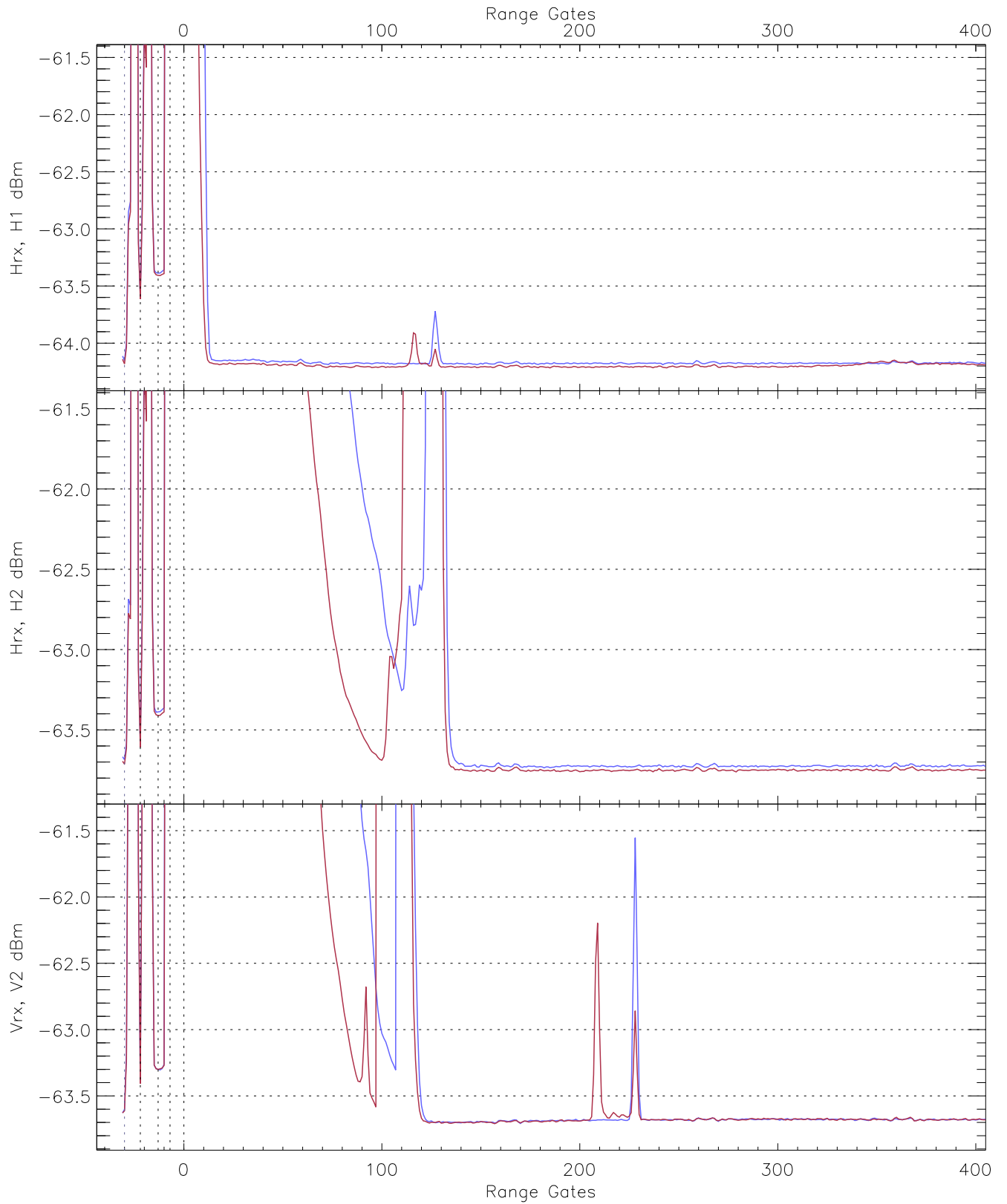
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -65.20 | -63.22 | -64.17 | -64.17 | -76.31 |
| Hrx, H2 (RM [dBm]) | -64.75 | -62.74 | -63.70 | -63.70 | -75.82 |
| Vrx, V2 (RM [dBm]) | -64.72 | -62.67 | -63.61 | -63.61 | -75.65 |



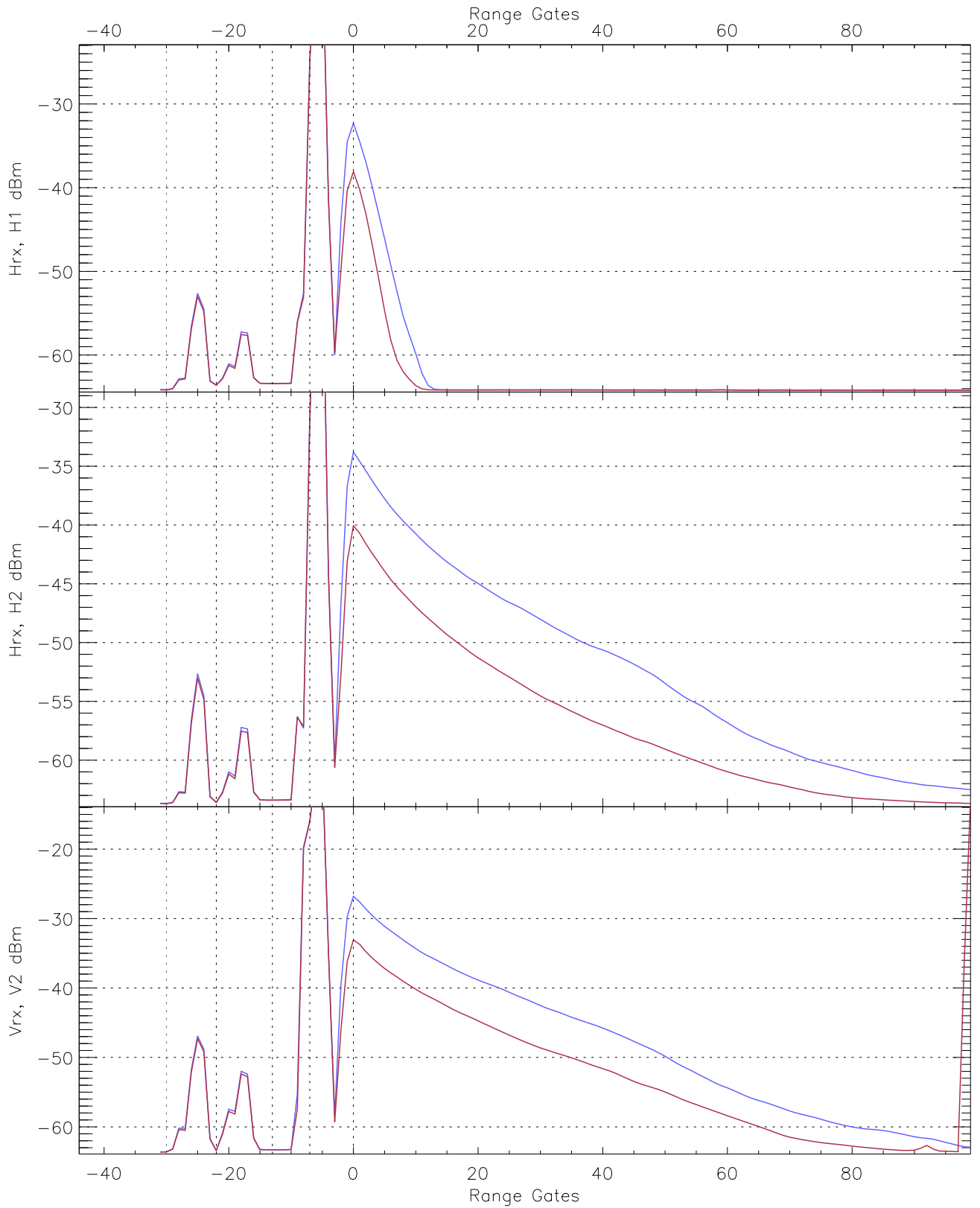
WCR2 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1RG148_0 [dBm] | -65.30 | -63.27 | -64.20 | -64.21 | -76.36 |
| H2RG279_0 [dBm] | -64.81 | -62.70 | -63.75 | -63.75 | -75.86 |
| V2RG157_0 [dBm] | -64.76 | -62.67 | -63.71 | -63.71 | -75.78 |

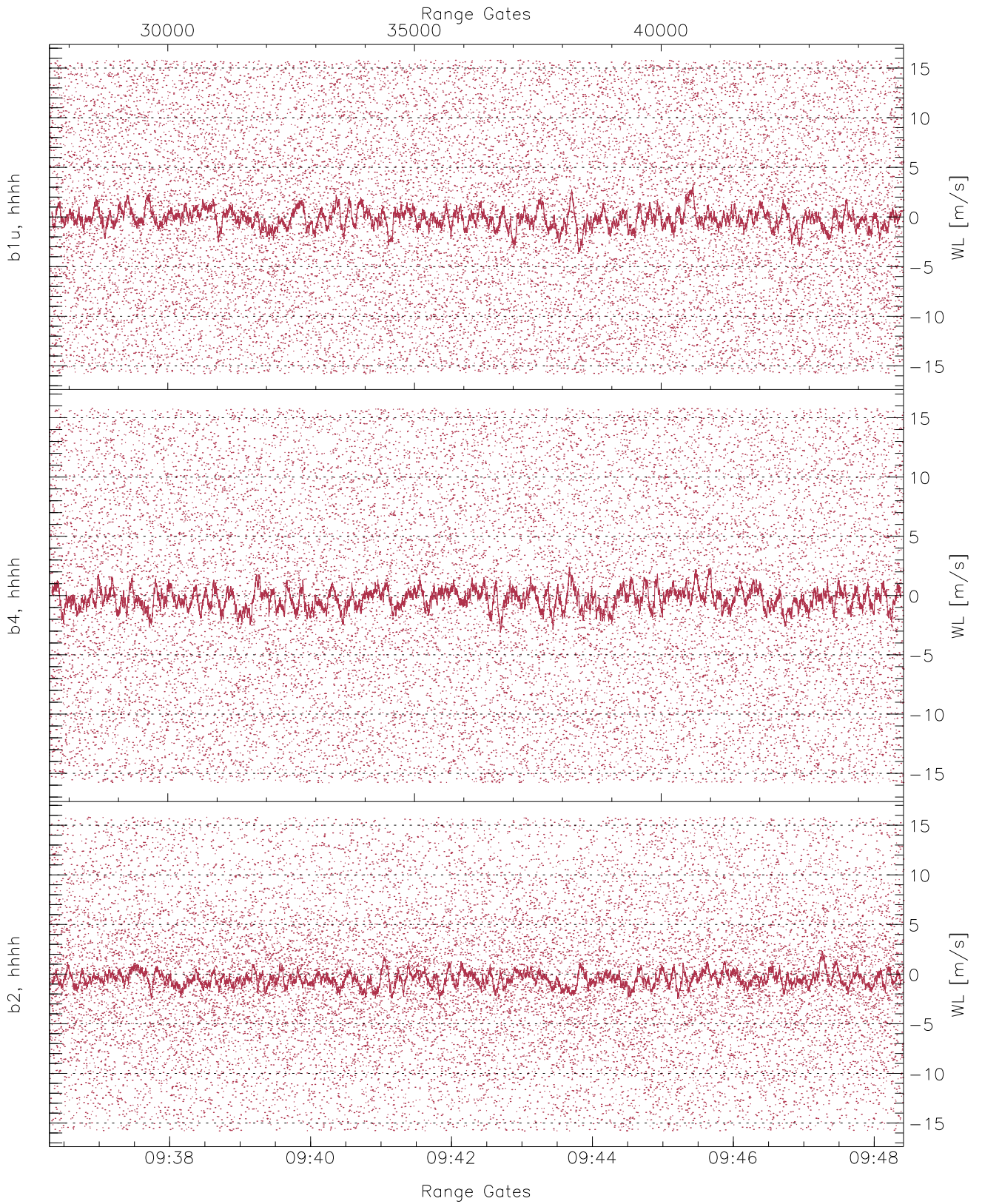


WCR2 CPP Averaged Received power for all recorded gates  
blue: 093618-094221, 8658 profiles averaged  
red: 094221-094825, 8657 profiles averaged

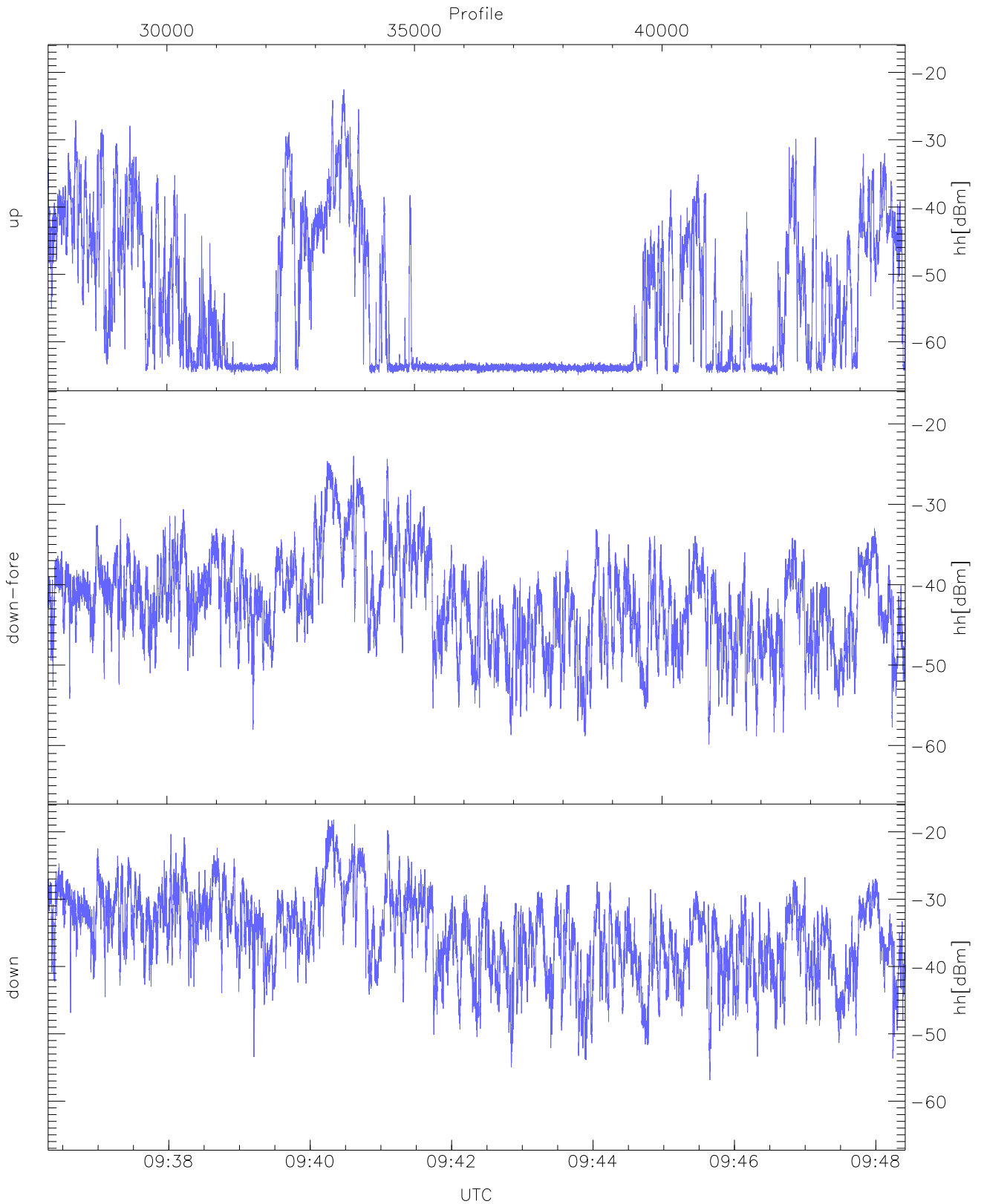




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 093618-094221, 8658 profiles averaged  
red: 094221-094825, 8657 profiles averaged

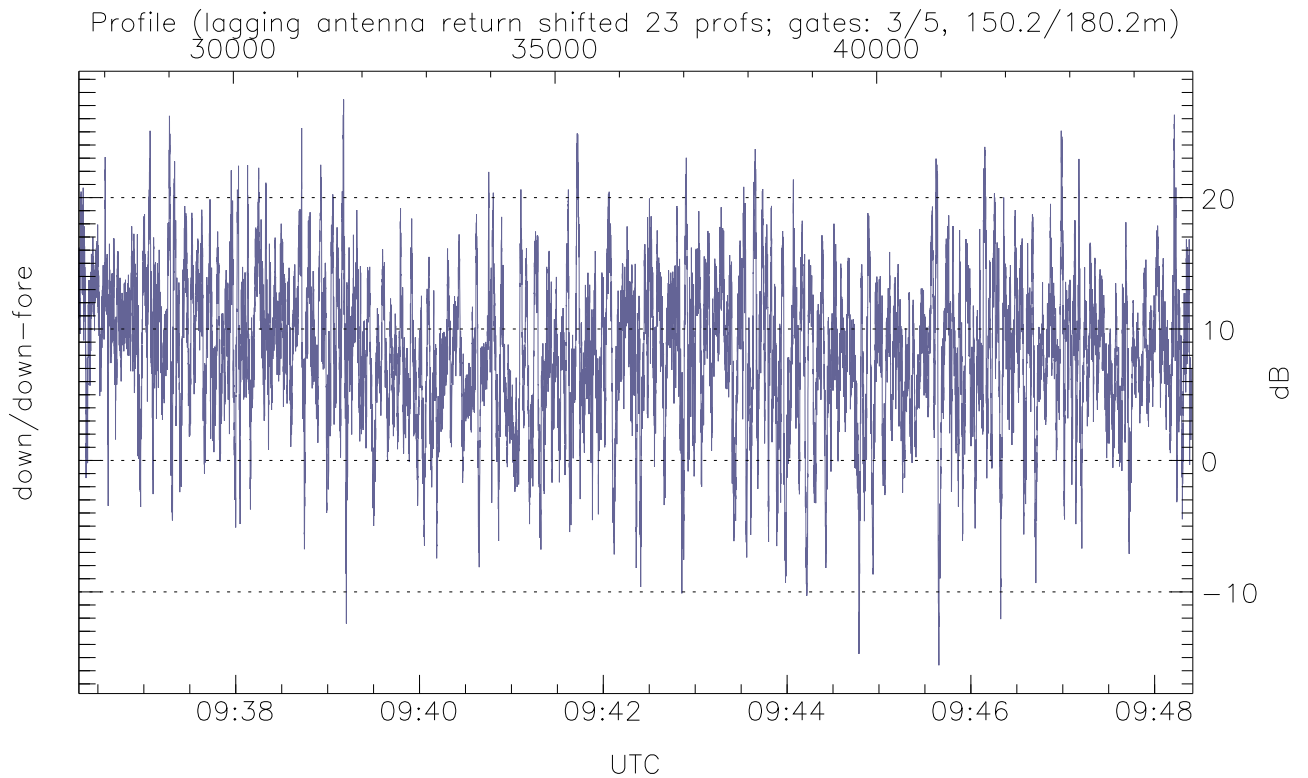
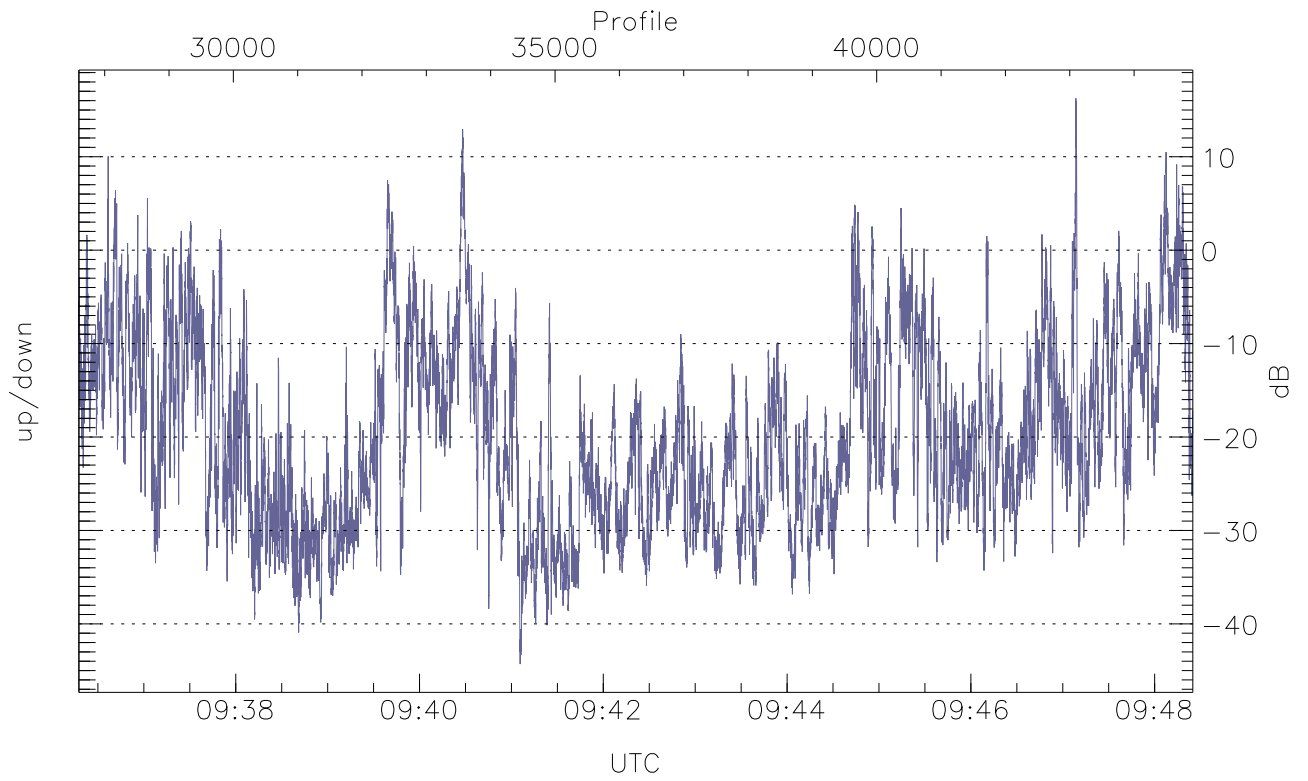


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



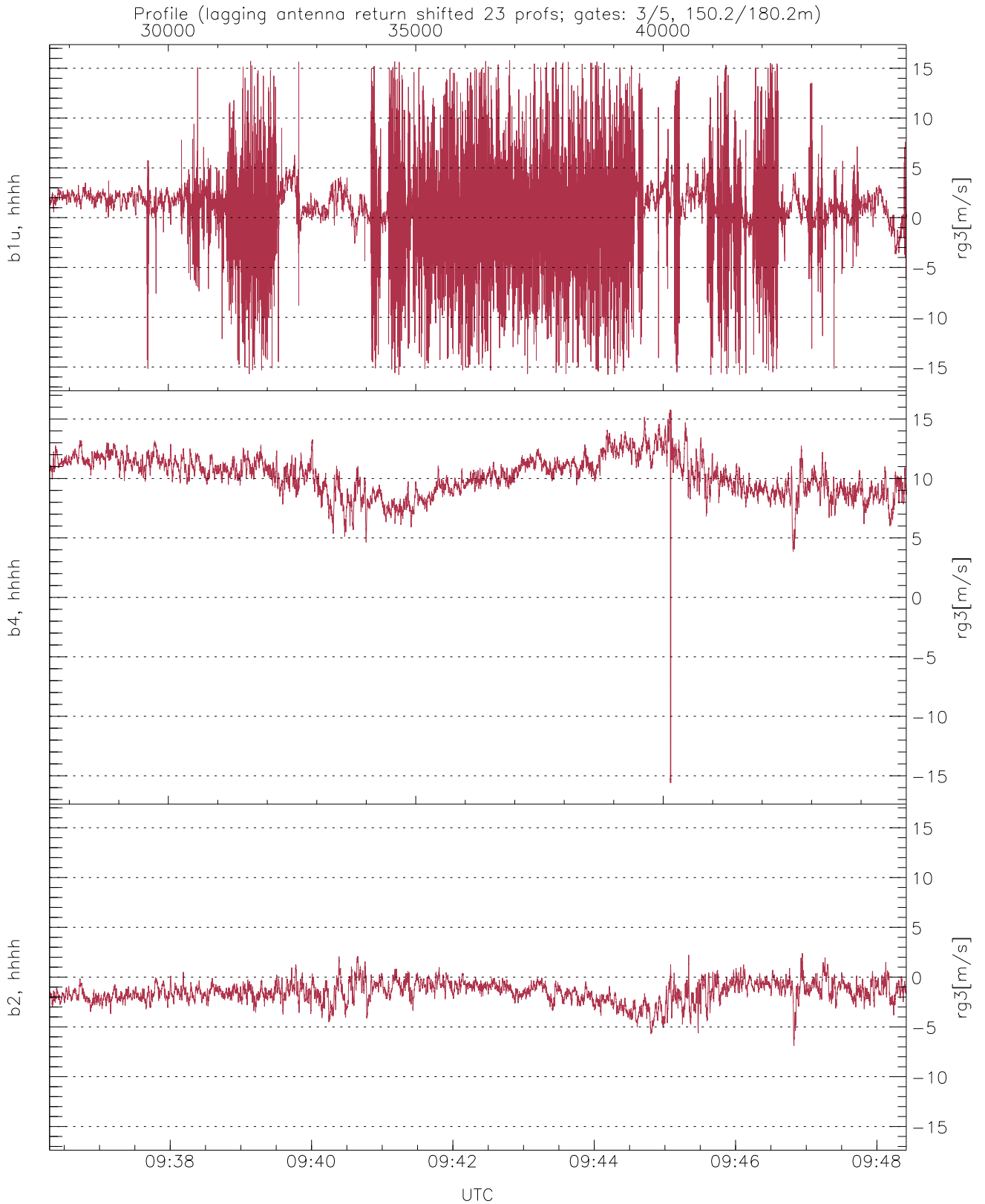
WCR2 CPP Received Power Products for Range gate 3 (150.2 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -64.95 | -22.53 | -42.06 |
| down-fore(hh[dBm]) | -59.89 | -23.99 | -38.29 |
| down(hh[dBm])      | -56.87 | -18.21 | -31.61 |



WCR2 Beam pairs Received Power Ratio(s)

|                     | Min    | Max   | Mean   |
|---------------------|--------|-------|--------|
| up/down (dB)        | -44.30 | 16.25 | -19.48 |
| down/down-fore (dB) | -15.58 | 27.46 | 8.35   |



WCR2 CPP Doppler Velocity Products at 150.2 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg3[m/s]) | -15.79 | 15.79 | 0.69  | 3.72  |
| b4, hhhh(rg3[m/s])  | -15.60 | 15.80 | 10.22 | 1.73  |
| b2, hhhh(rg3[m/s])  | -6.90  | 2.39  | -1.49 | 1.05  |