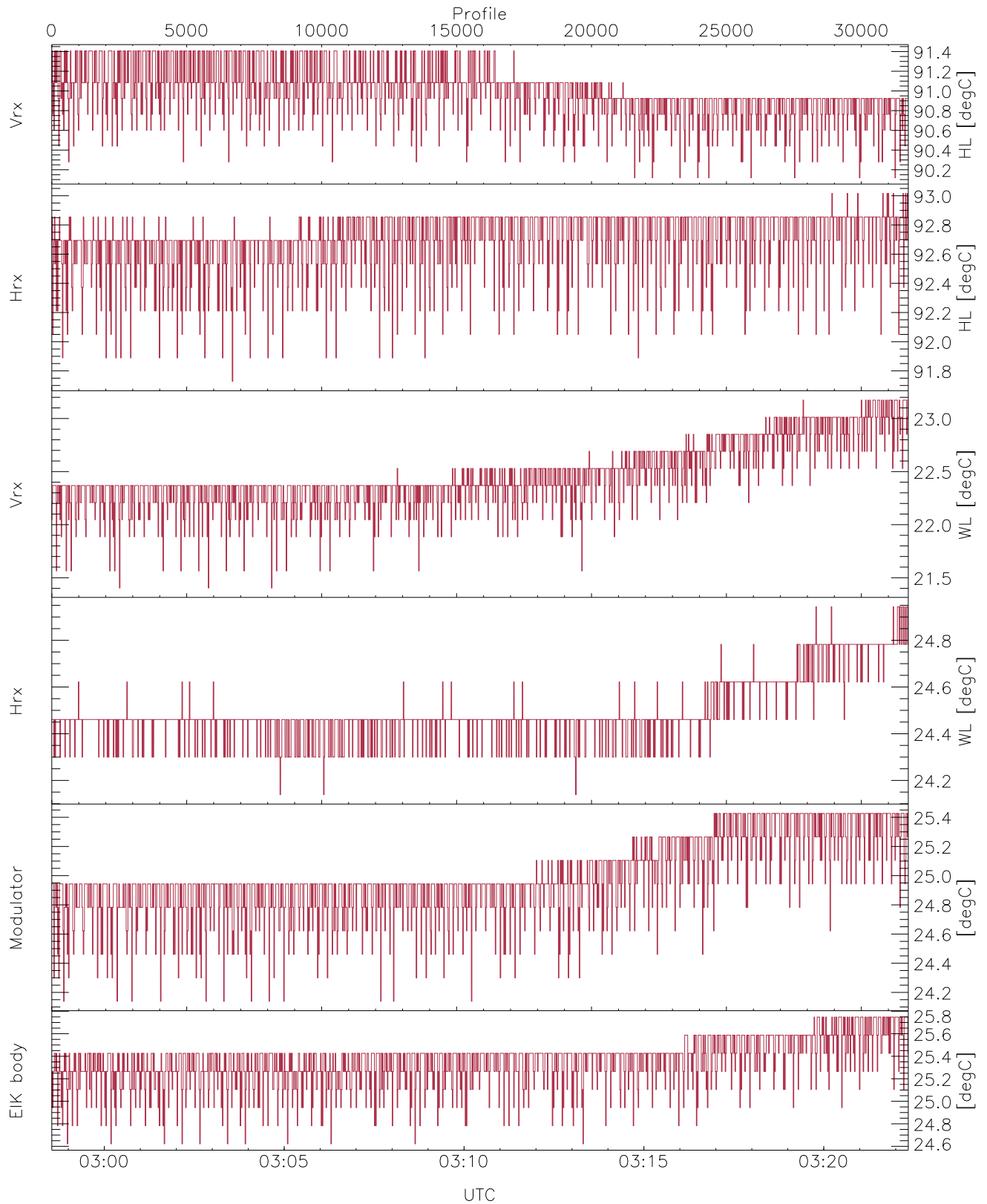


### WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

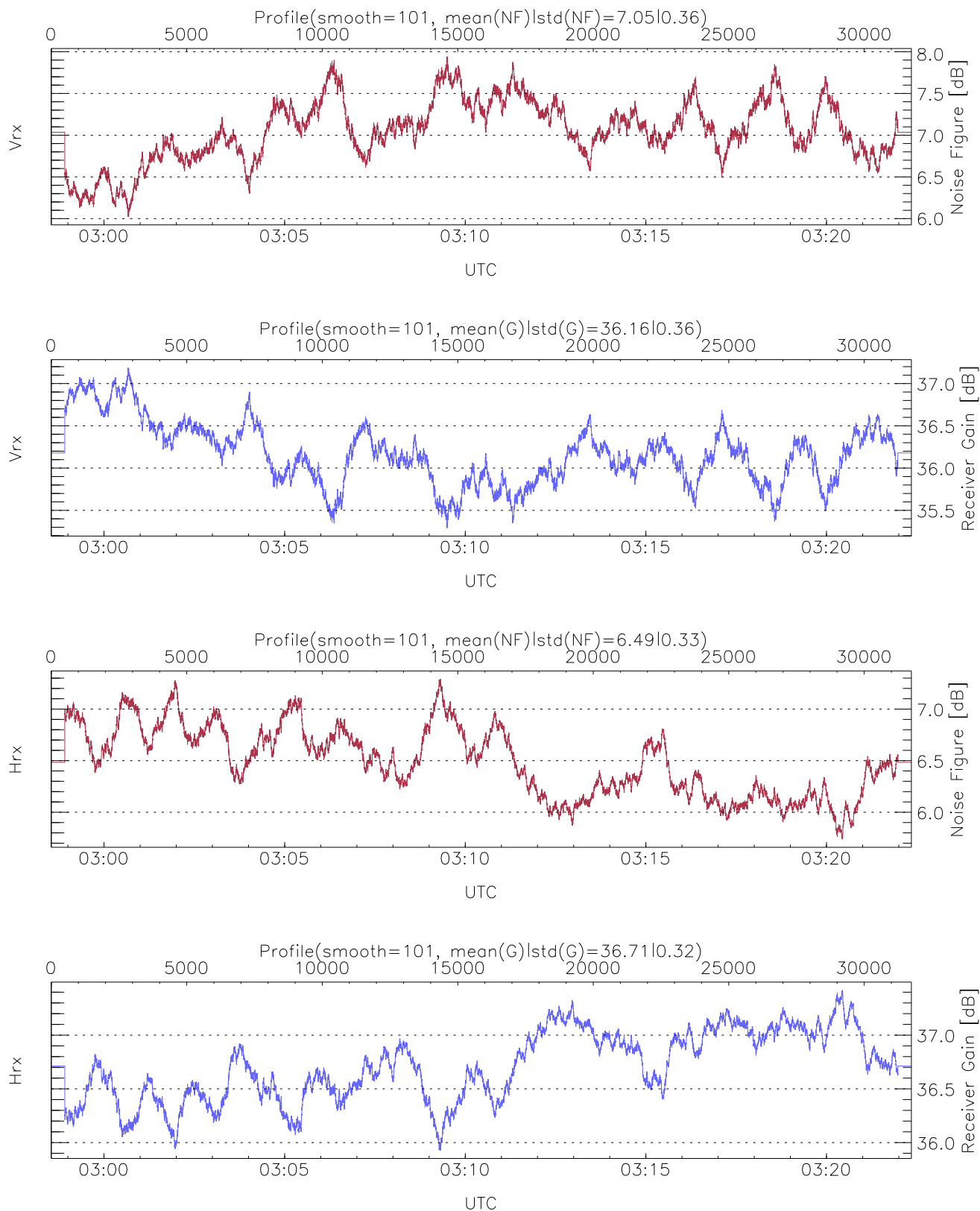
UTC: 02:58:32-03:22:21, TimeCor: 0.00s, Dur: 1428.66s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2  
 NumRec(r/t): 31741/31741, 0-31740/02:58:32-03:22:21  
 AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100  
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H1 V2 V2 V2 H2 H2 H2  
 PRF: 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us  
 Range(min,max,rqs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

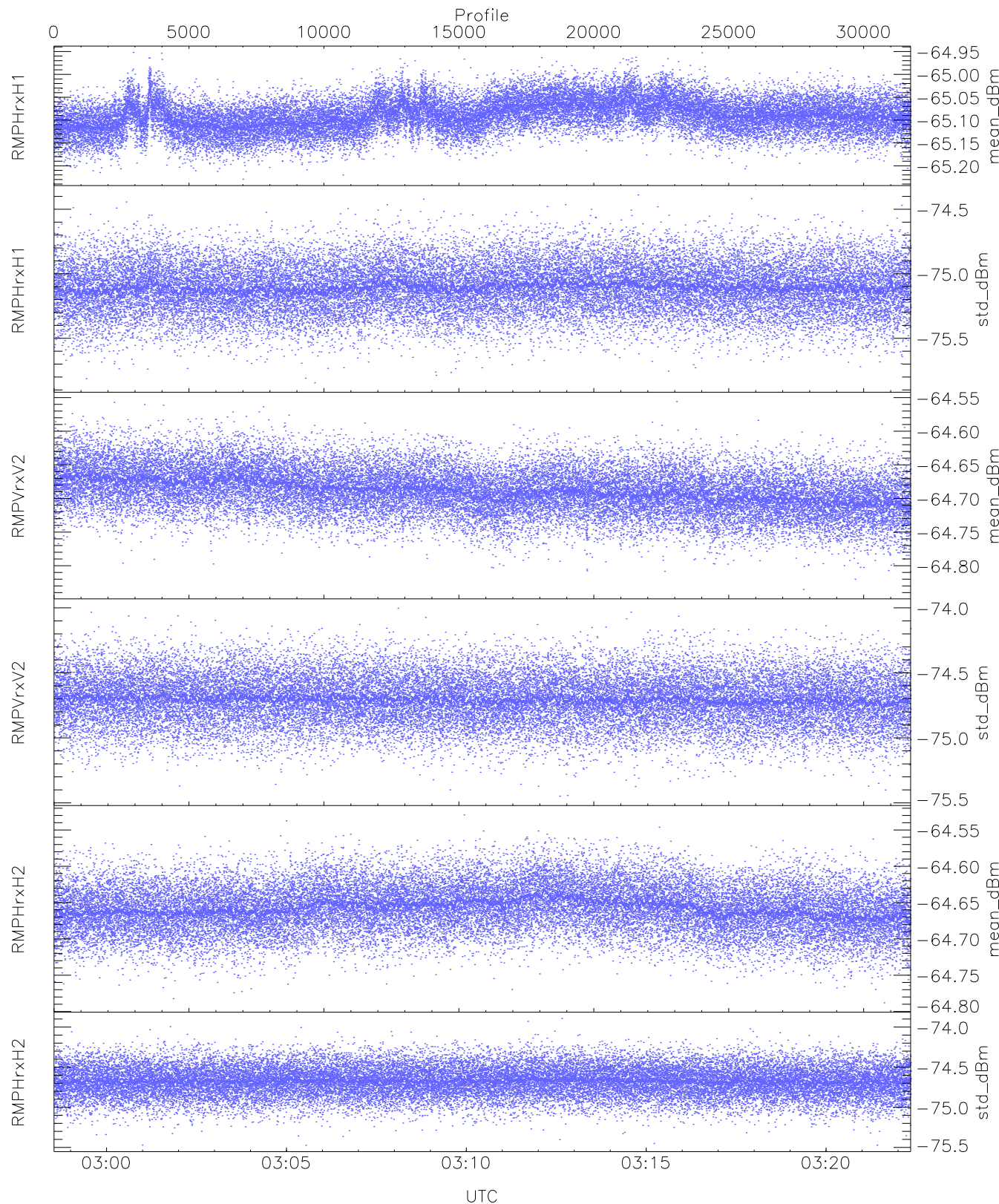
```

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,21,24,24,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,23,24,25,25
LOalarm(20,240,2817,14861 MHz): 0,0,72,0
EIK Faults(# prof affected):
  DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (44,44,66,66,66,44)
    
```



WCR3 CPP Receivers Gain and Noise Figure

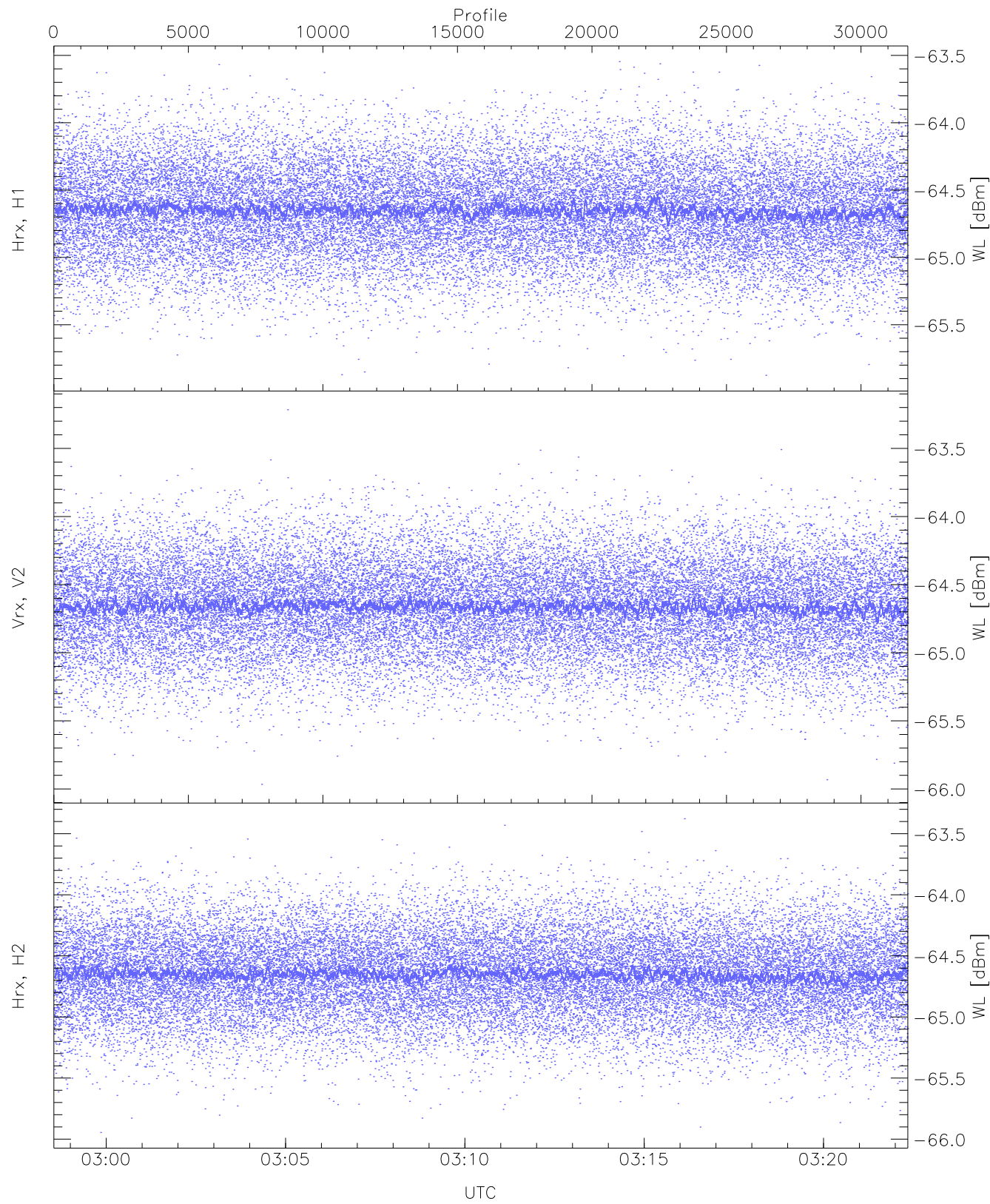
Rx Saturation: 11 pixs, 2 gates, 9 profs, 1 prod(s)



WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

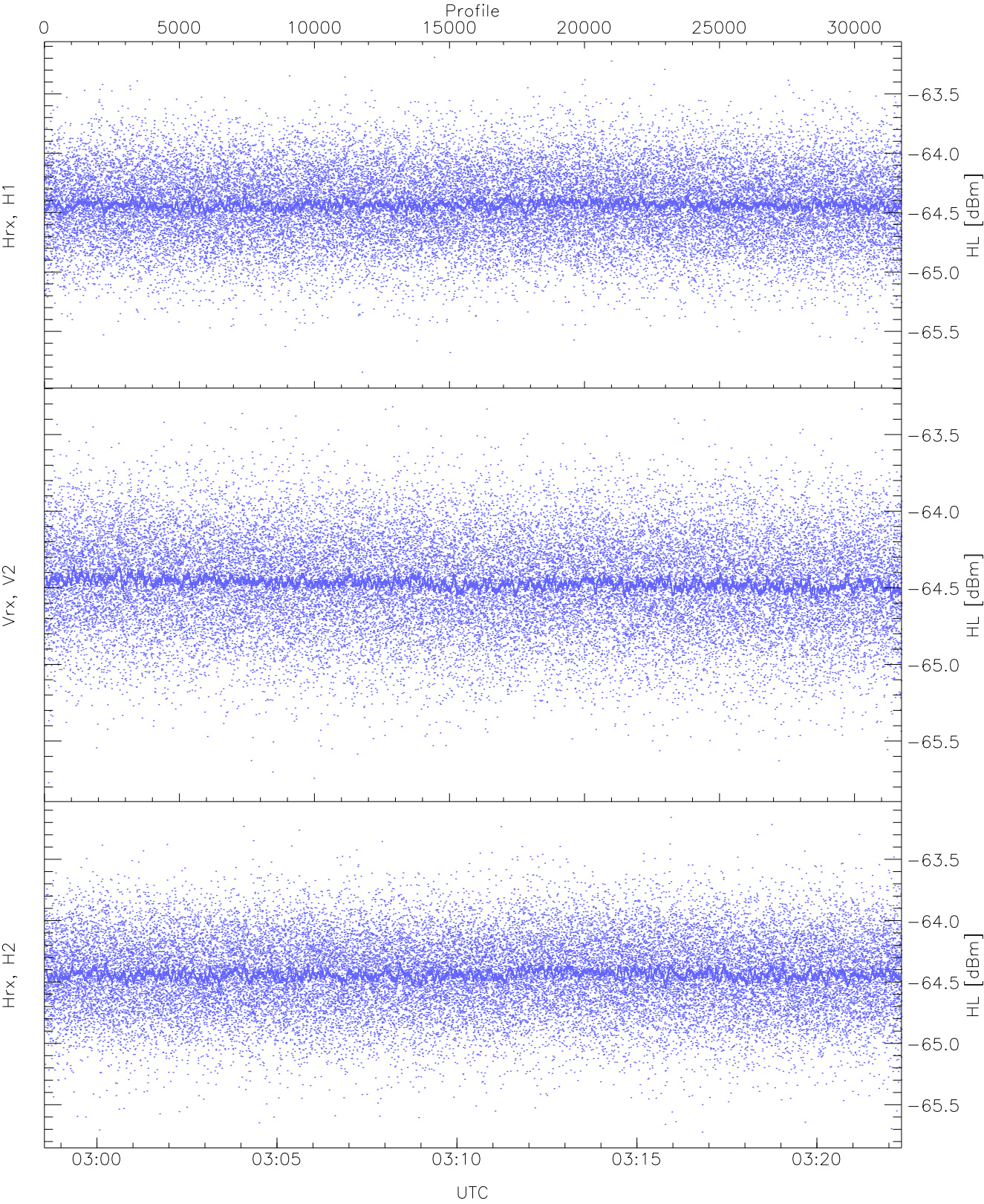
|                    | Min    | Max    | Mean   | Median | StDev  |
|--------------------|--------|--------|--------|--------|--------|
| RMPHrxH1(mean_dBm) | -65.23 | -64.95 | -65.09 | -65.09 | -86.02 |
| RMPHrxH1(std_dBm)  | -75.85 | -74.39 | -75.11 | -75.11 | -88.88 |
| RMPVrxV2(mean_dBm) | -64.84 | -64.56 | -64.69 | -64.69 | -85.92 |
| RMPVrxV2(std_dBm)  | -75.45 | -74.00 | -74.70 | -74.71 | -88.51 |
| RMPHrxH2(mean_dBm) | -64.79 | -64.53 | -64.66 | -64.66 | -86.10 |
| RMPHrxH2(std_dBm)  | -75.47 | -73.89 | -74.67 | -74.68 | -88.49 |





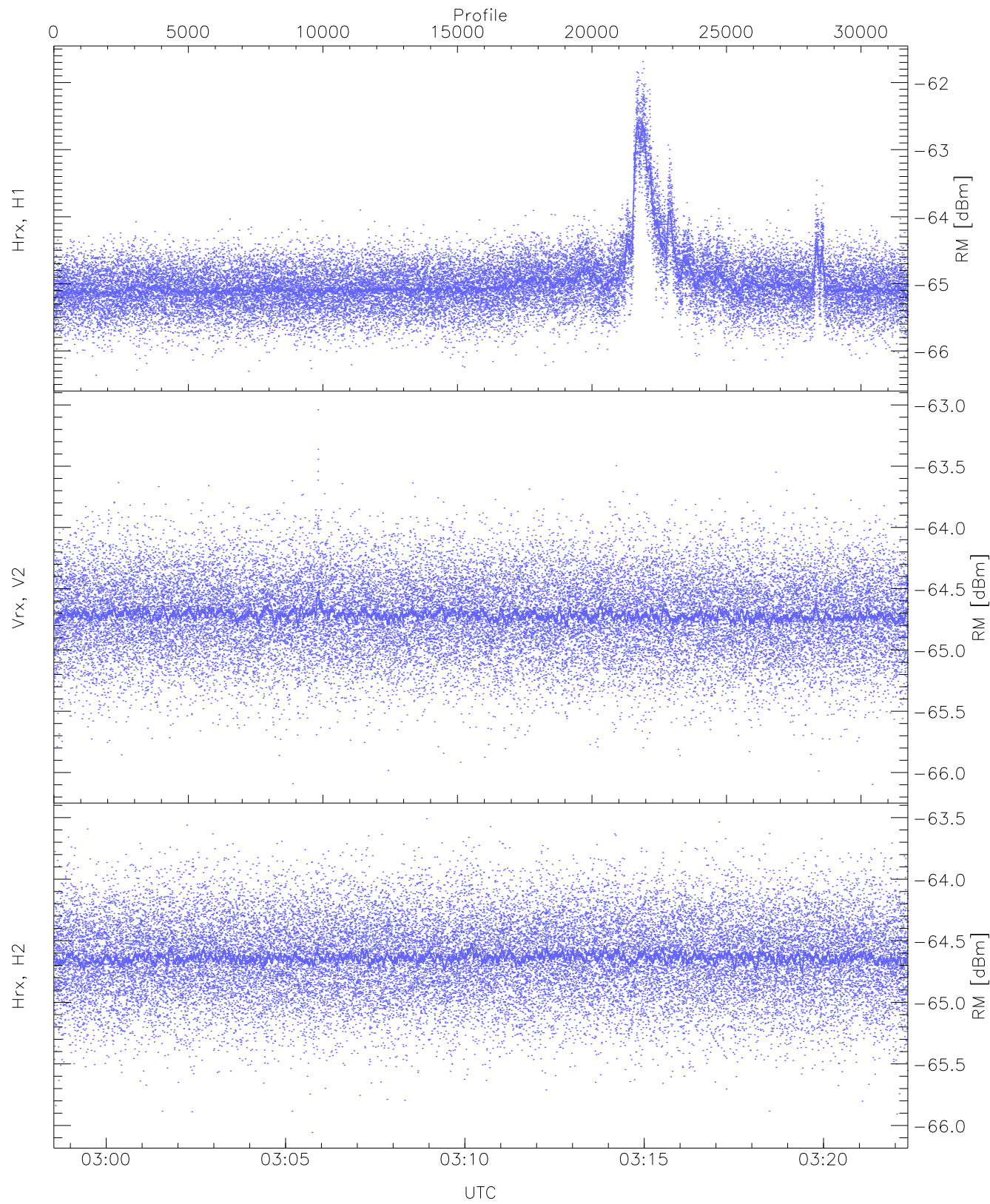
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -65.88 | -63.55 | -64.65 | -64.66 | -76.14 |
| Vrx, V2(WL [dBm]) | -65.97 | -63.22 | -64.66 | -64.66 | -76.20 |
| Hrx, H2(WL [dBm]) | -65.95 | -63.38 | -64.65 | -64.65 | -76.14 |



WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

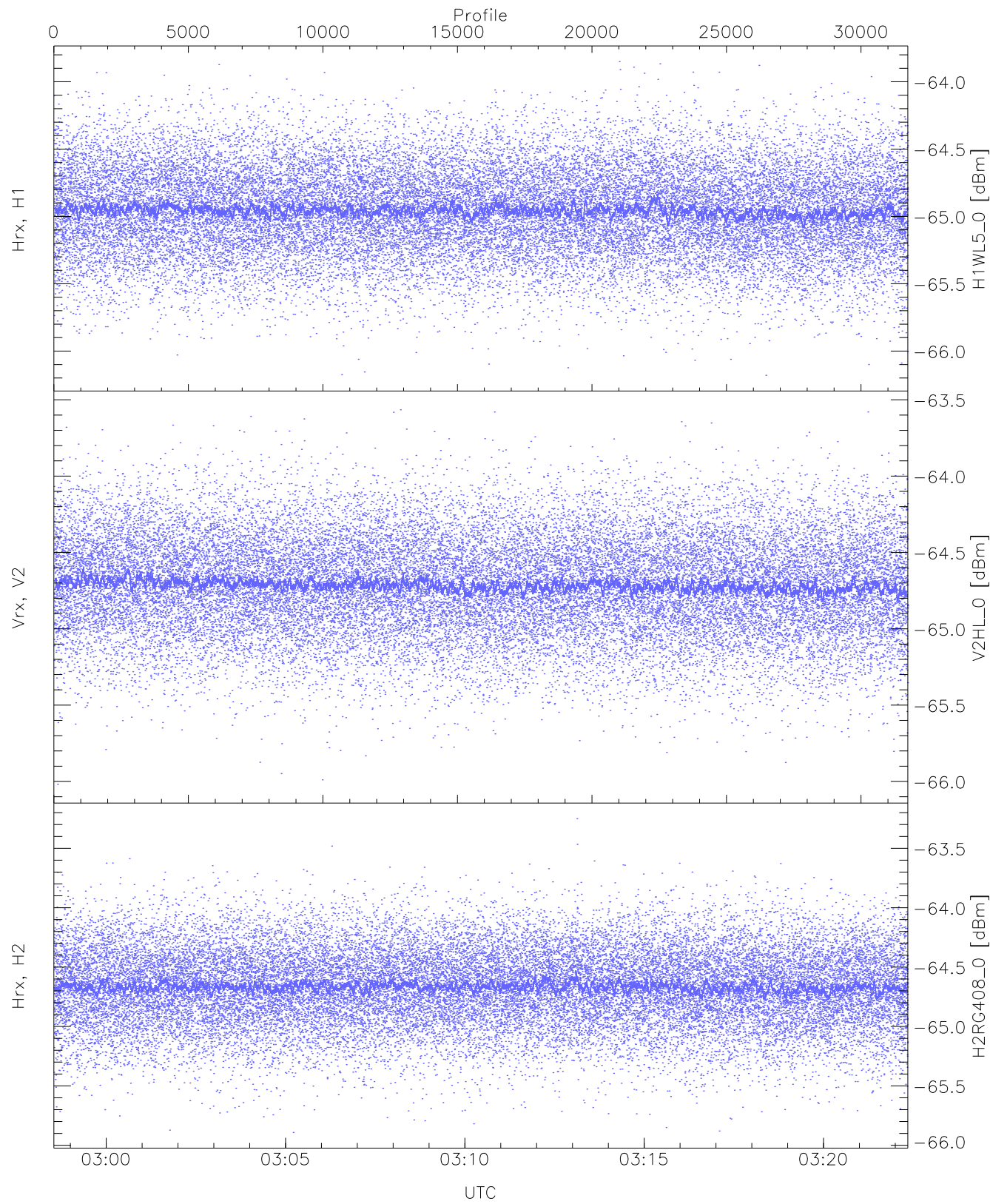
|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(HL [dBm]) | -65.84 | -63.19 | -64.43 | -64.43 | -75.92 |
| Vrx, V2(HL [dBm]) | -65.77 | -63.32 | -64.46 | -64.47 | -75.97 |
| Hrx, H2(HL [dBm]) | -65.72 | -63.16 | -64.43 | -64.44 | -75.92 |



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

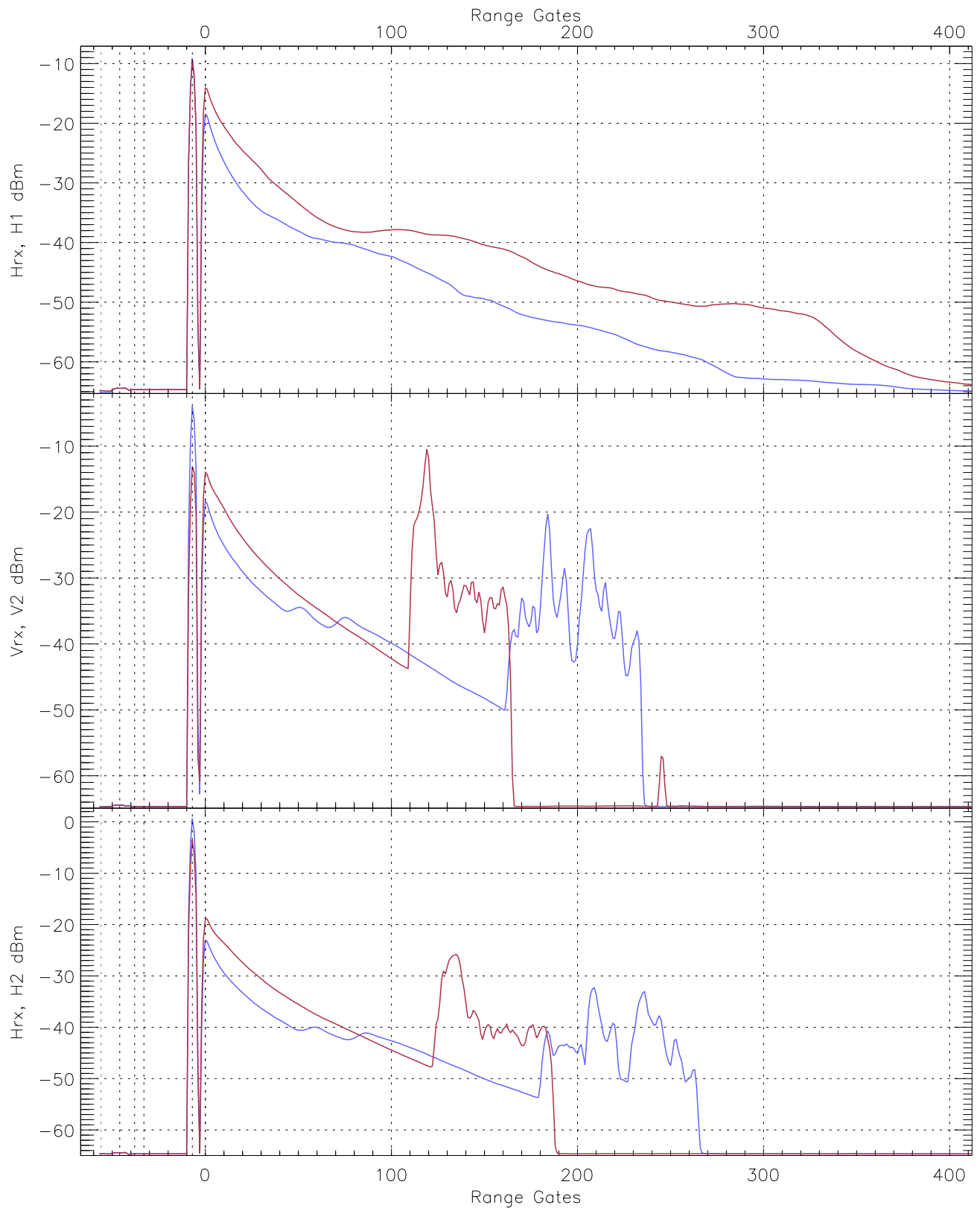
|                   | Min    | Max    | Mean   | Median | StDev  |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(RM [dBm]) | -66.36 | -61.69 | -64.95 | -65.02 | -74.08 |
| Vrx, V2(RM [dBm]) | -66.10 | -63.04 | -64.71 | -64.71 | -76.21 |
| Hrx, H2(RM [dBm]) | -66.06 | -63.51 | -64.63 | -64.64 | -76.12 |





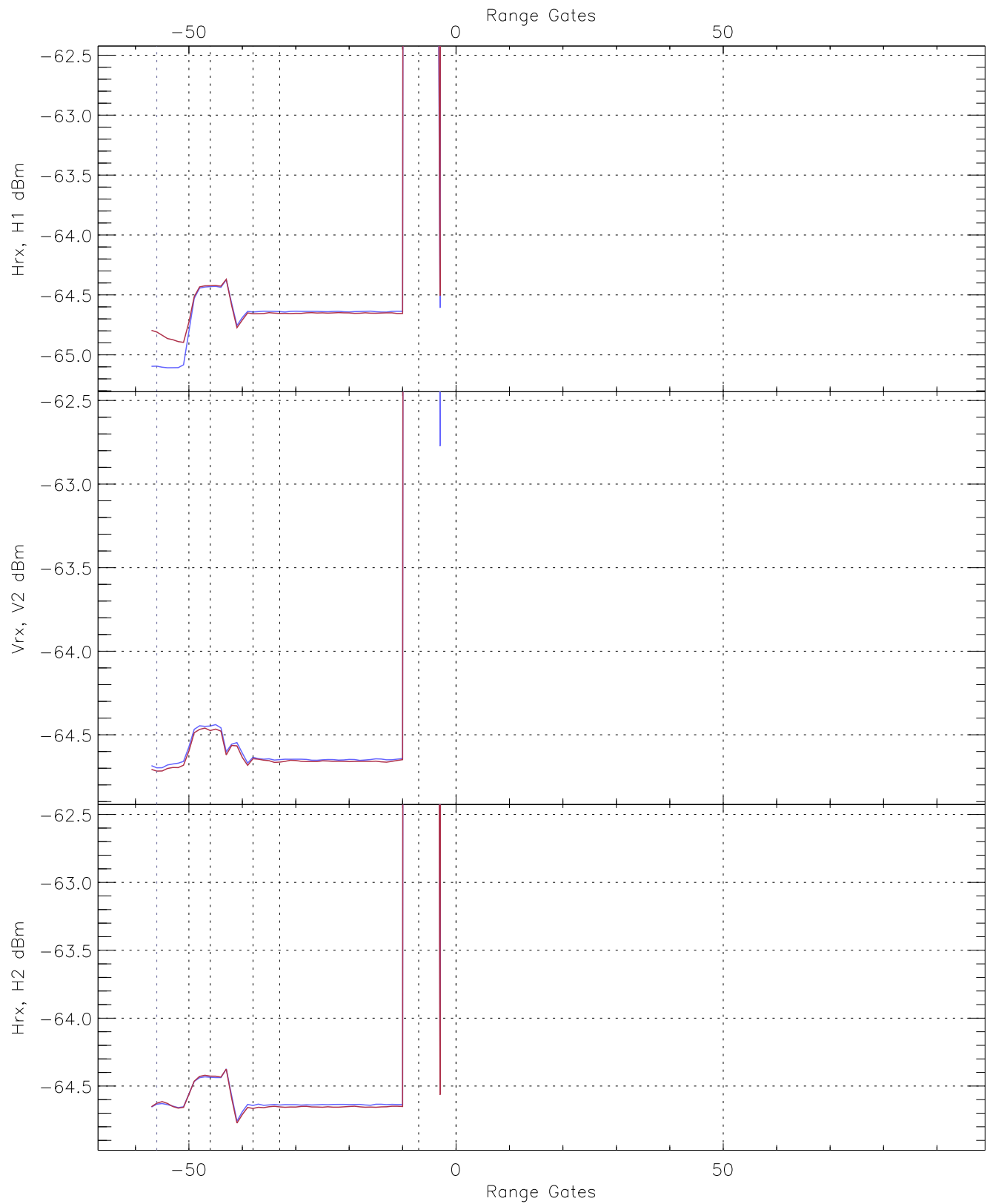
WCR3 CPP "Best" estimate Receivers Noise Power

|                 | Min    | Max    | Mean   | Median | StDev  |
|-----------------|--------|--------|--------|--------|--------|
| H1WL5_0 [dBm]   | -66.18 | -63.85 | -64.95 | -64.96 | -76.44 |
| V2HL_0 [dBm]    | -66.02 | -63.57 | -64.71 | -64.72 | -76.22 |
| H2RG408_0 [dBm] | -65.89 | -63.25 | -64.66 | -64.67 | -76.15 |

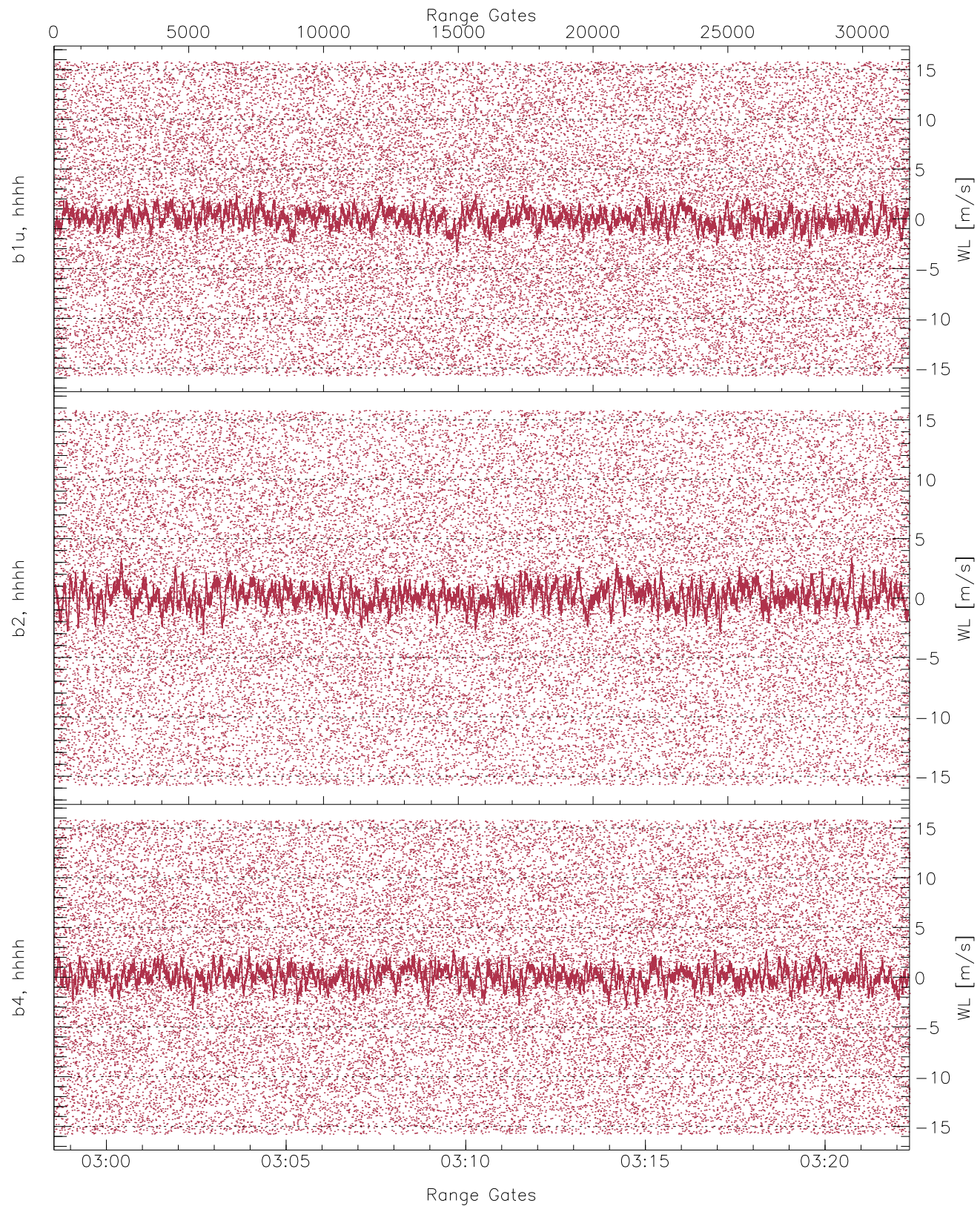


WCR3 CPP Averaged Received power for all recorded gates  
 blue: 025832-031027, 15871 profiles averaged  
 red: 031027-032221, 15871 profiles averaged

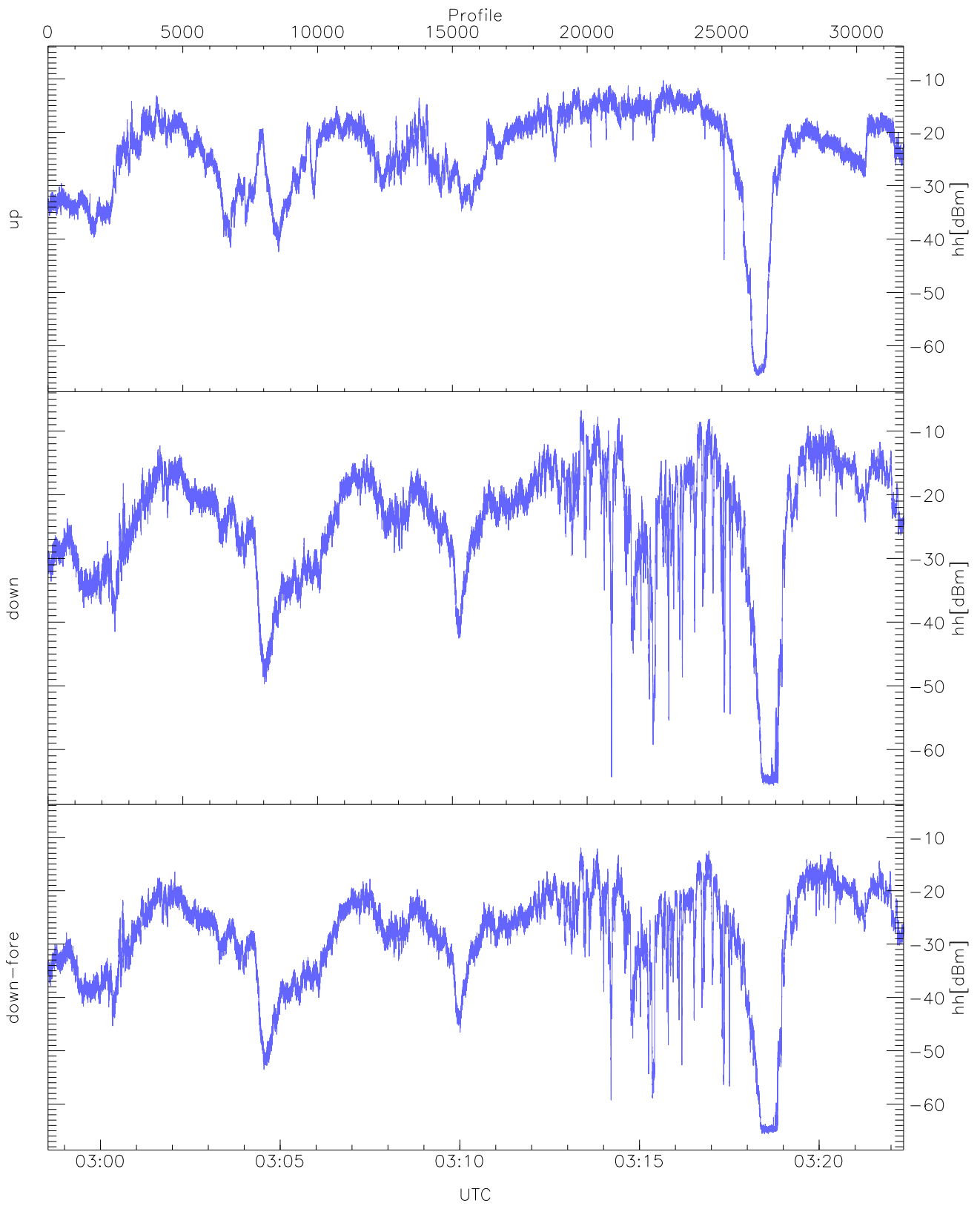




WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
 blue: 025832-031027, 15871 profiles averaged  
 red: 031027-032221, 15871 profiles averaged

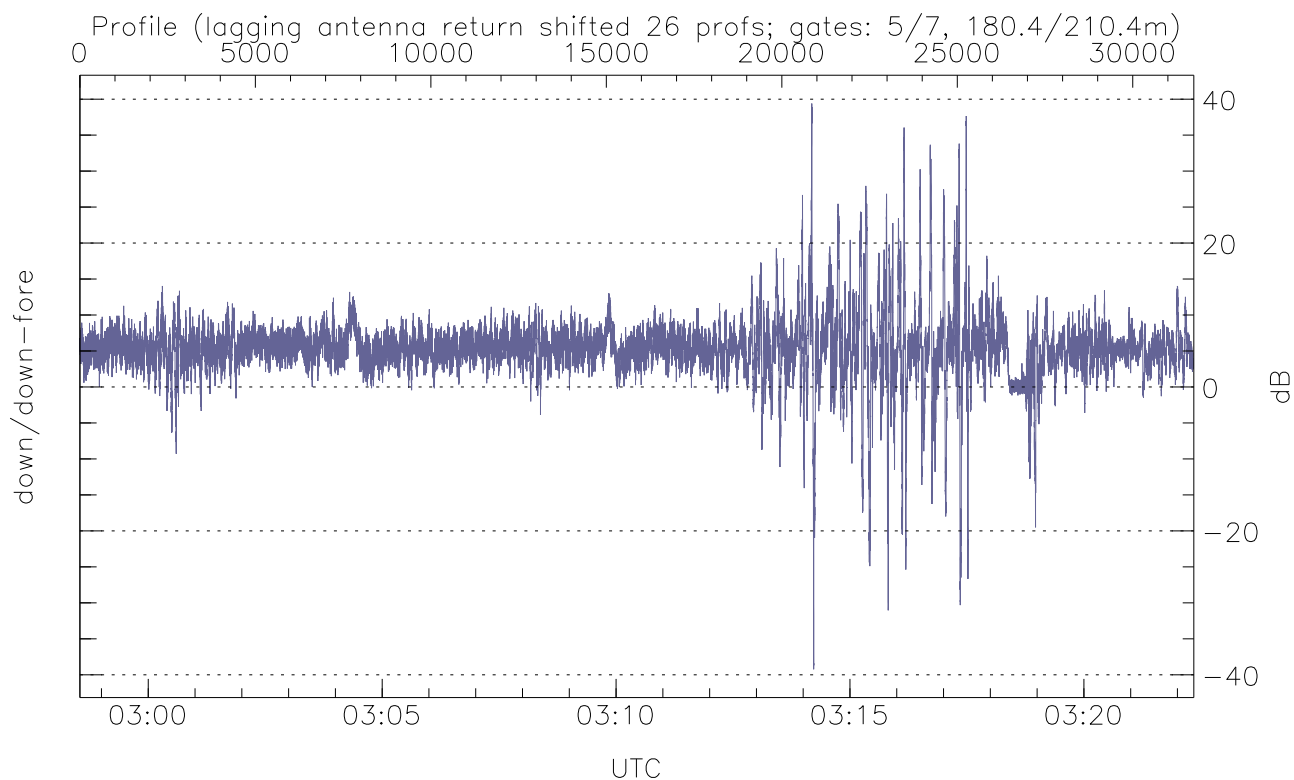
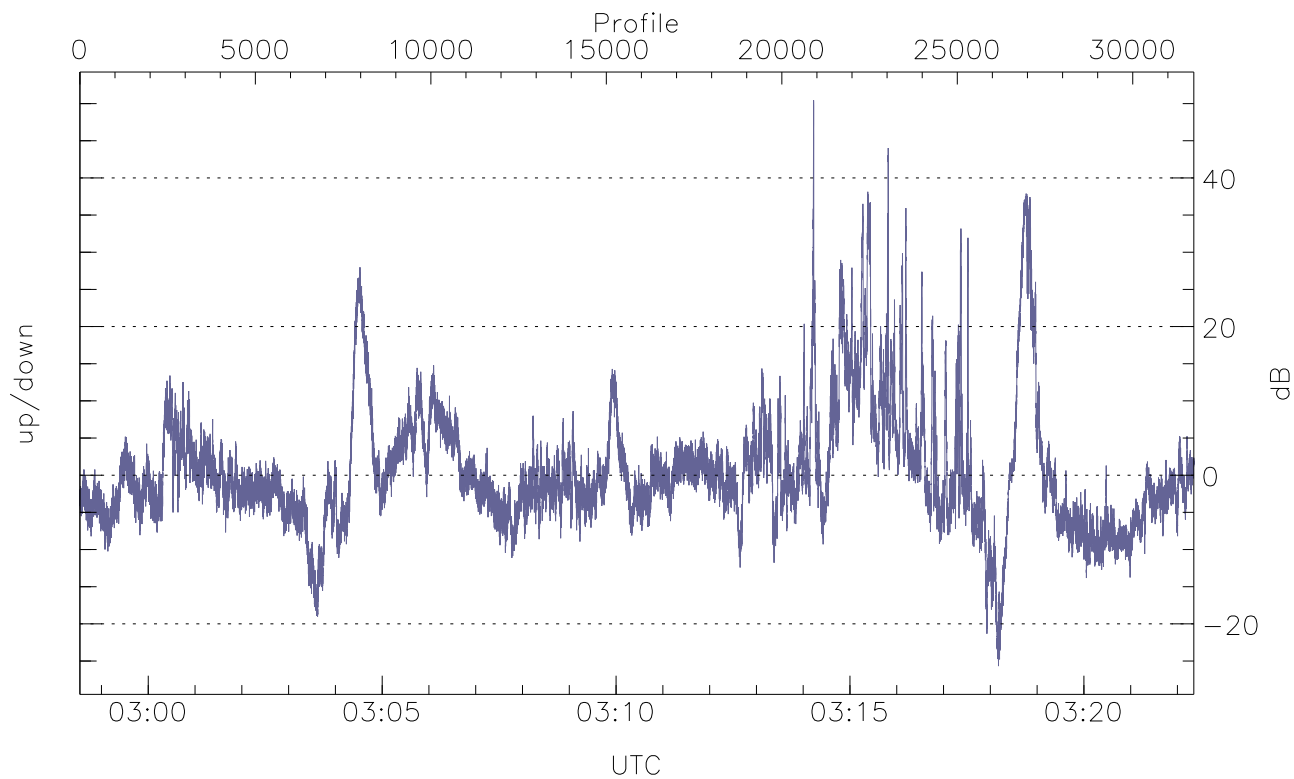


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



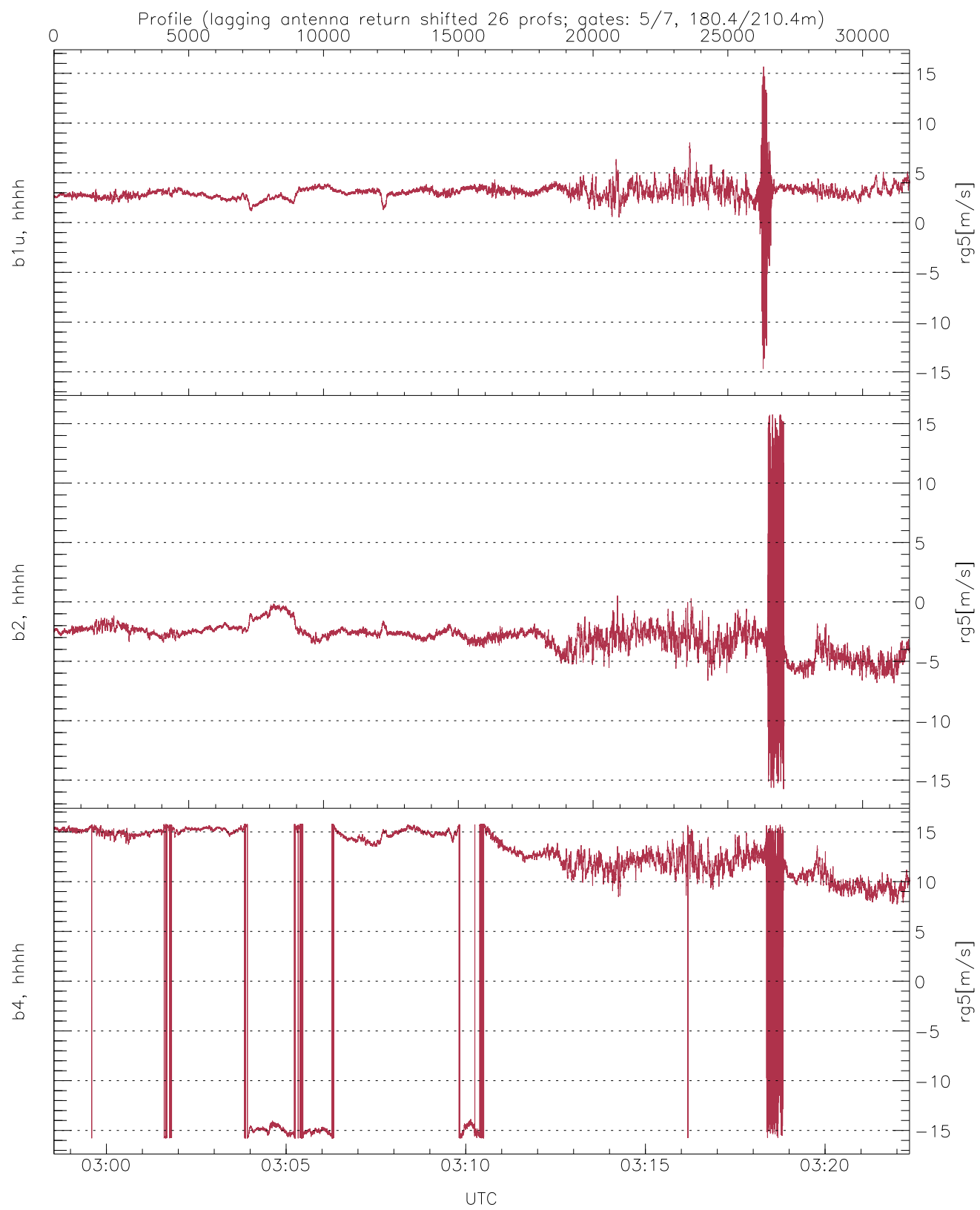
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

|                    | Min    | Max    | Mean   |
|--------------------|--------|--------|--------|
| up(hh[dBm])        | -65.61 | -10.27 | -19.59 |
| down(hh[dBm])      | -65.67 | -6.76  | -18.89 |
| down-fore(hh[dBm]) | -65.63 | -11.95 | -23.44 |



WCR3 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

|                    | Min    | Max   | Mean |
|--------------------|--------|-------|------|
| up/down(dB)        | -25.68 | 50.44 | 0.53 |
| down/down-fore(dB) | -39.23 | 39.39 | 5.34 |



WCR3 CPP Doppler Velocity Products at 180.4 m range

|                     | Min    | Max   | Mean  | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -14.69 | 15.68 | 3.03  | 0.81  |
| b2, hhhh(rg5[m/s])  | -15.76 | 15.78 | -2.94 | 1.60  |
| b4, hhhh(rg5[m/s])  | -15.79 | 15.79 | 9.48  | 9.49  |