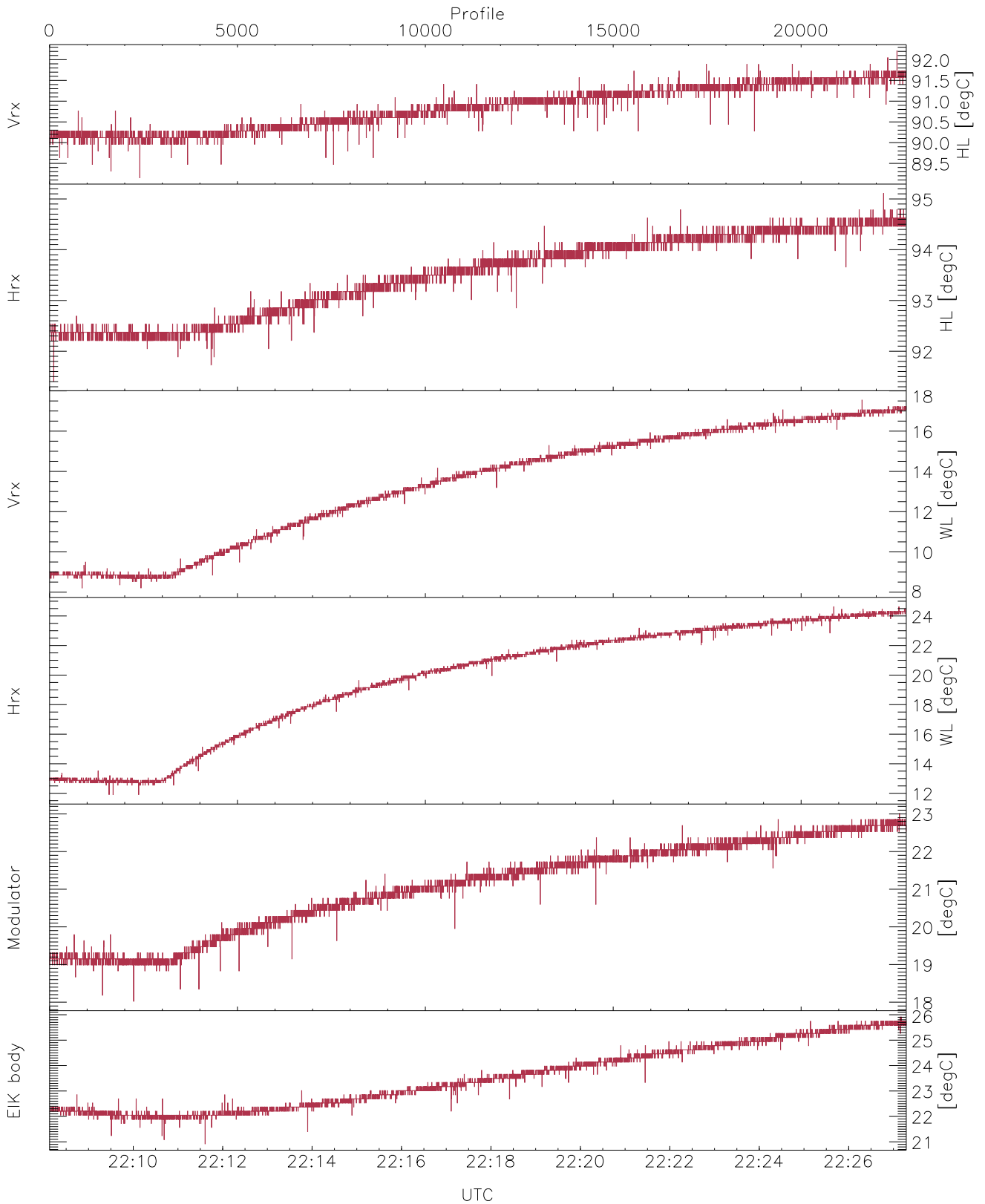


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

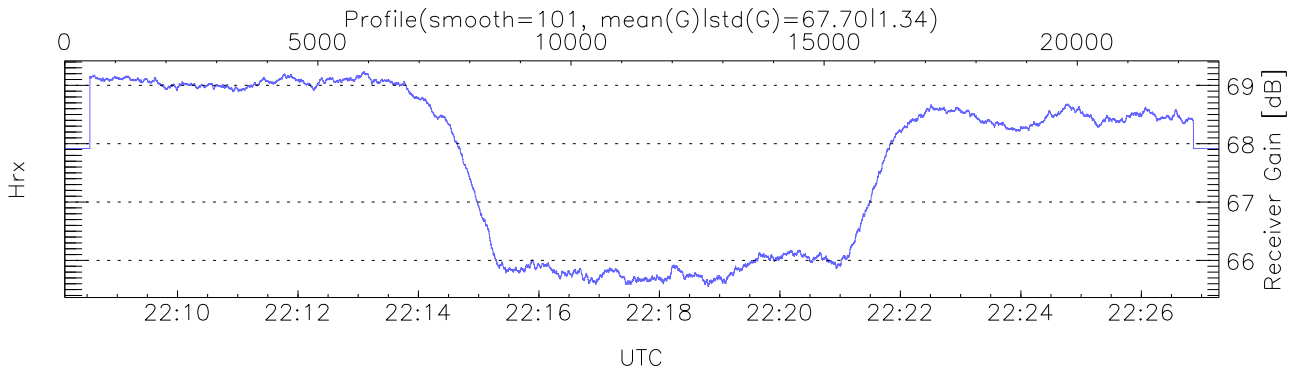
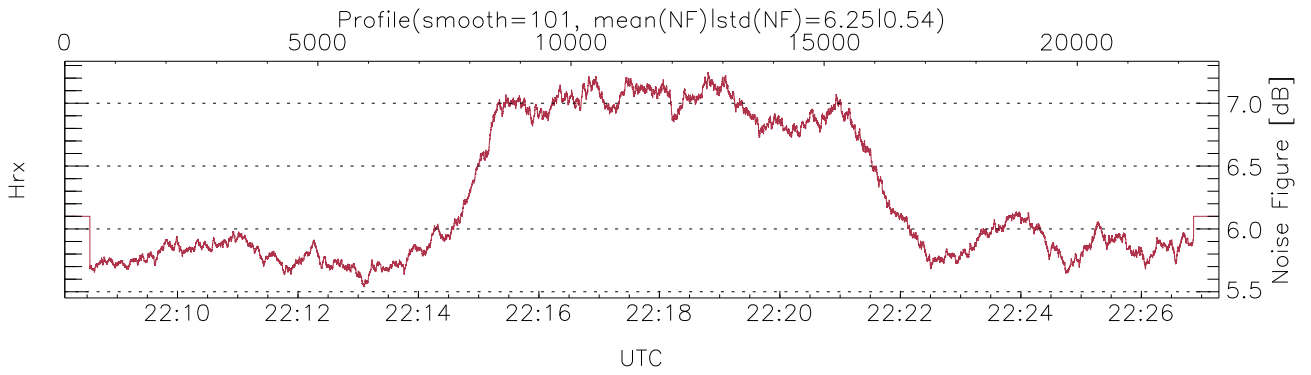
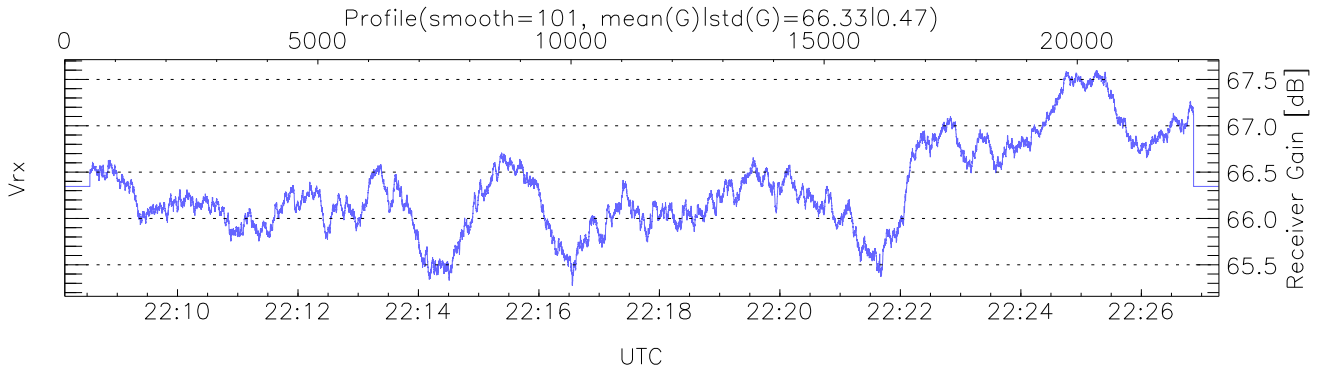
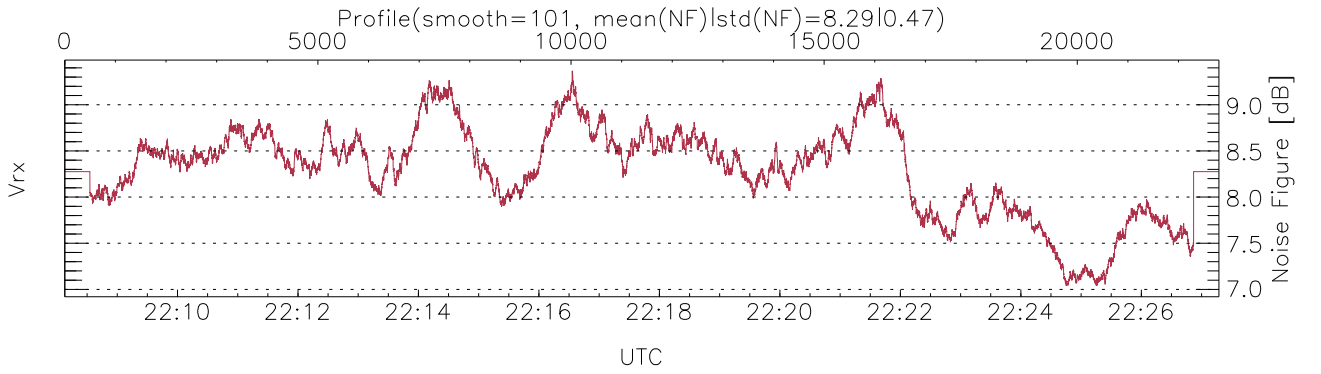
UTC: 22:08:08-22:35:30, Dur: 1641.81s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
 NumRec(r/t): 22800/32563, 0-22799/22:08:08-22:27:17
 AcqTime: 50.4ms, Rate: 384KB/s, Averages: 140
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
 PRF: 16.7 16.7 16.7 16.7 16.7 KHz, IGS: 60us
 Range(min,max,rgs): 105,7689,15.0 m, Gates: 506, Aspect: 2.6

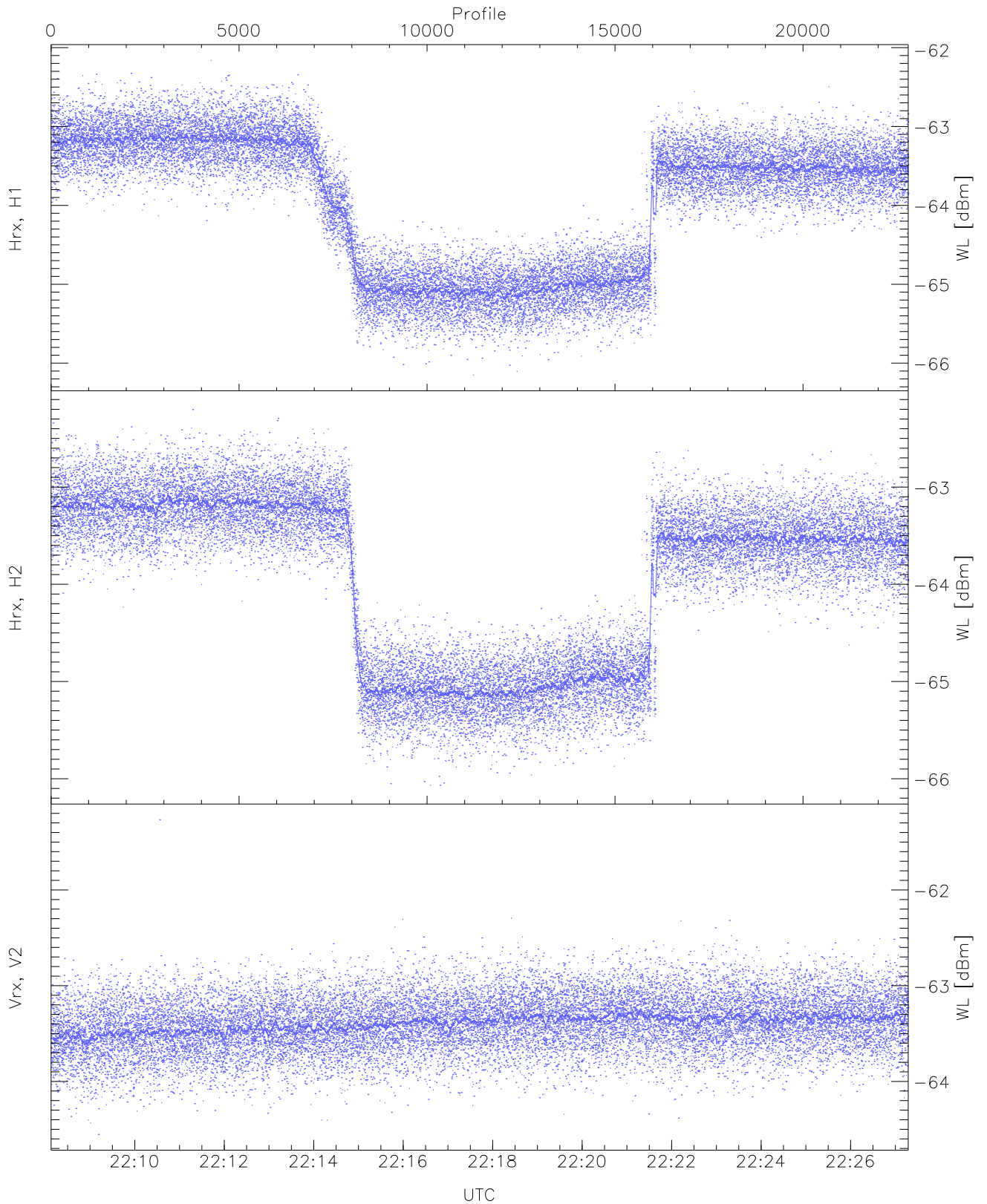


WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator Body, EIK Body

```

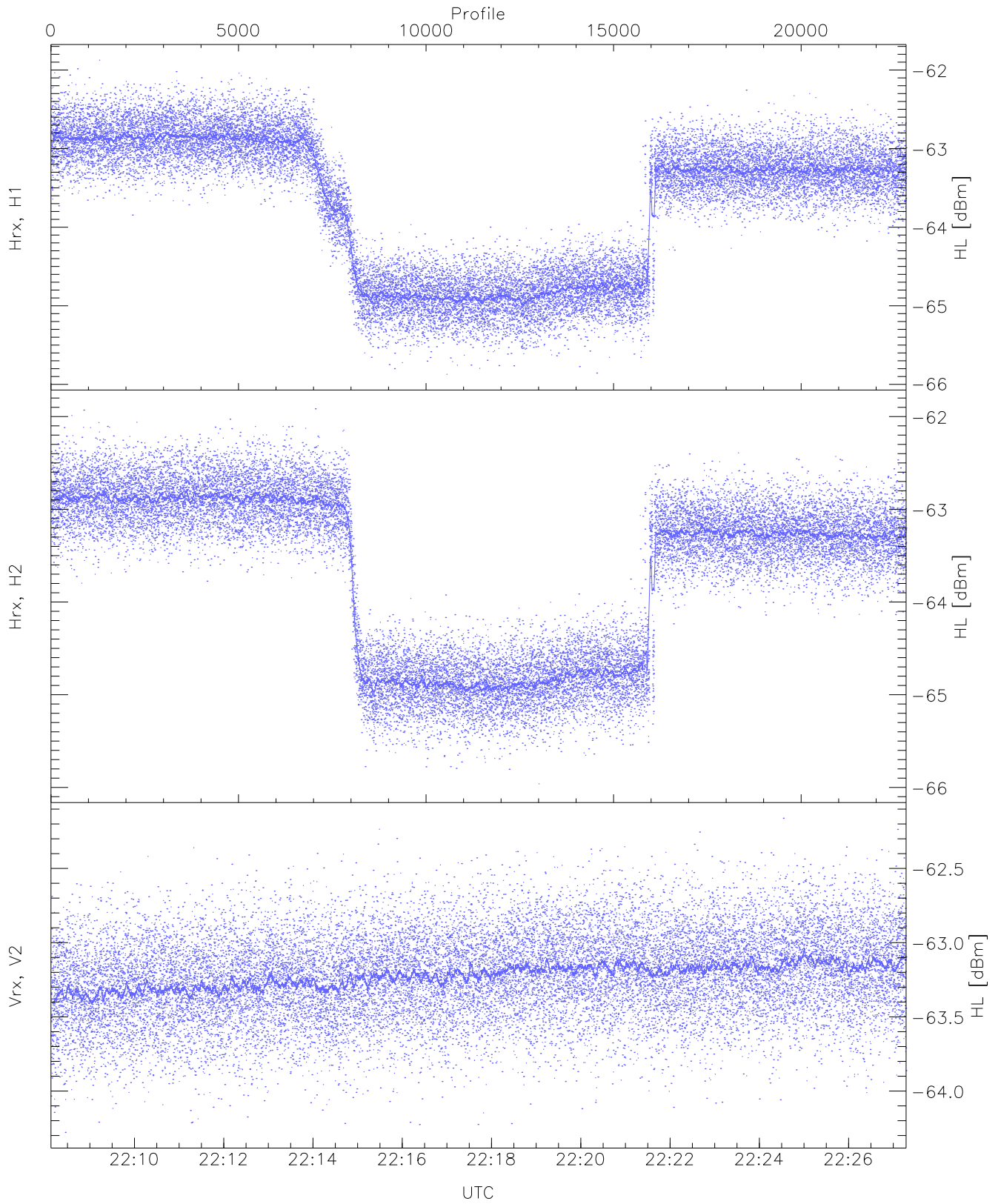
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 89,91,8,11,18,20
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,95,17,24,23,25
LOalarm(20,80,240,2.8,14.8 MHz): 30,0,0,40,0
EIK/Modulator Faults: None
    
```





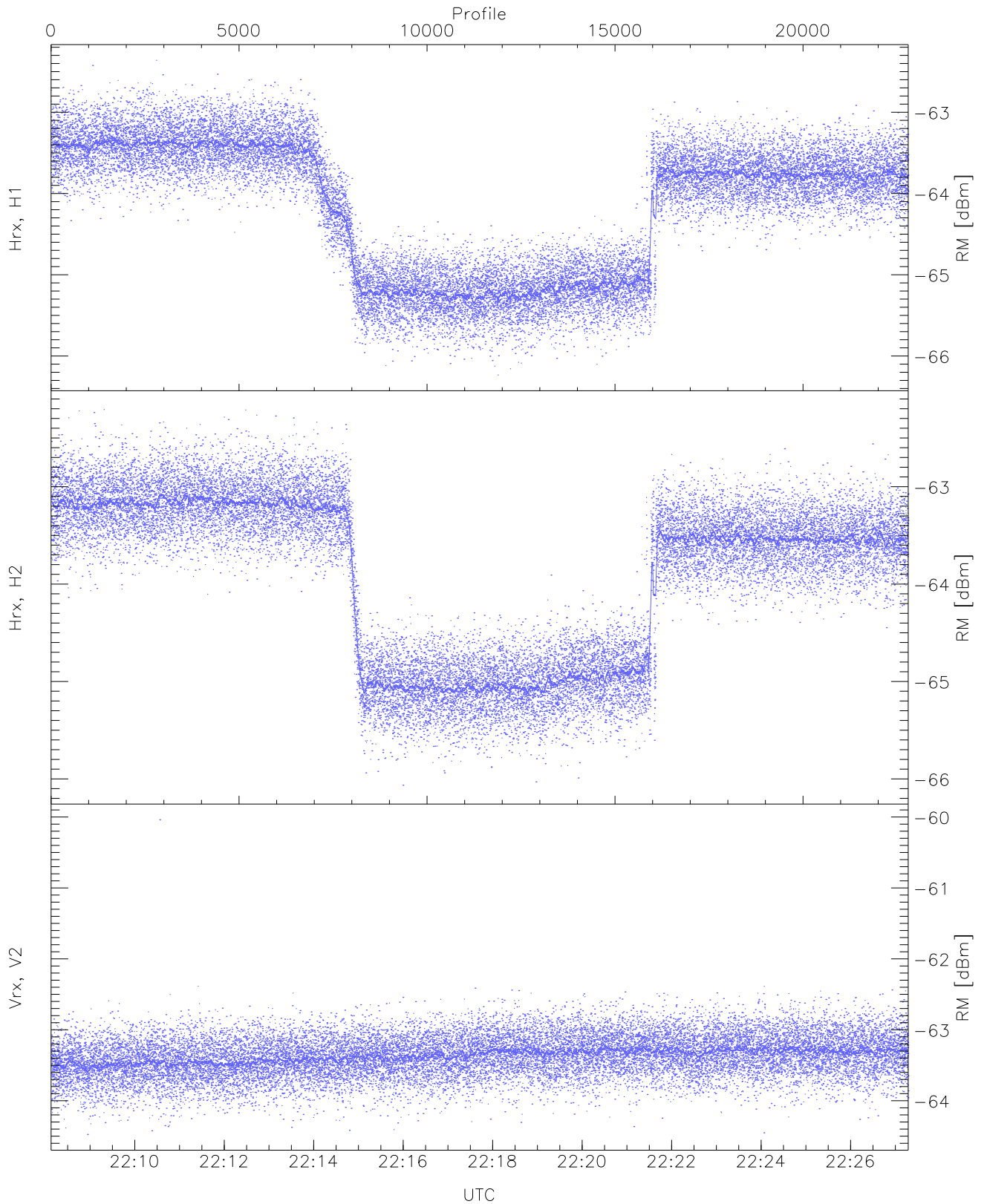
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|-------------------|--------|--------|--------|--------|--------|
| Hrx, H1(WL [dBm]) | -66.15 | -62.16 | -63.88 | -63.63 | -71.13 |
| Hrx, H2(WL [dBm]) | -66.07 | -62.20 | -63.86 | -63.58 | -71.10 |
| Vrx, V2(WL [dBm]) | -64.55 | -61.27 | -63.39 | -63.40 | -75.38 |



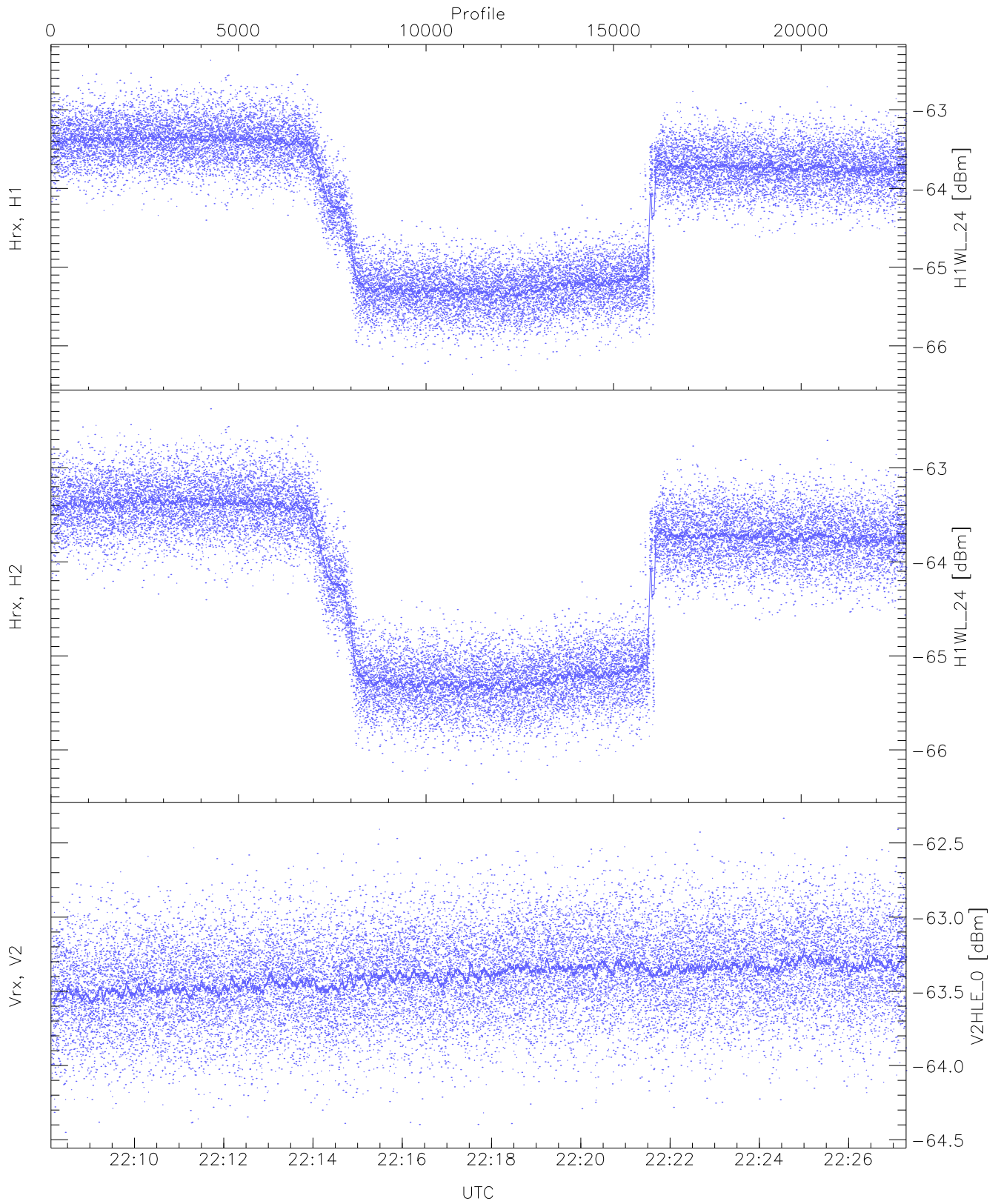
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -65.87 | -61.88 | -63.63 | -63.37 | -70.71 |
| Hrx, H2 (HL [dBm]) | -65.96 | -61.92 | -63.59 | -63.31 | -70.67 |
| Vrx, V2 (HL [dBm]) | -64.28 | -62.16 | -63.22 | -63.22 | -75.20 |



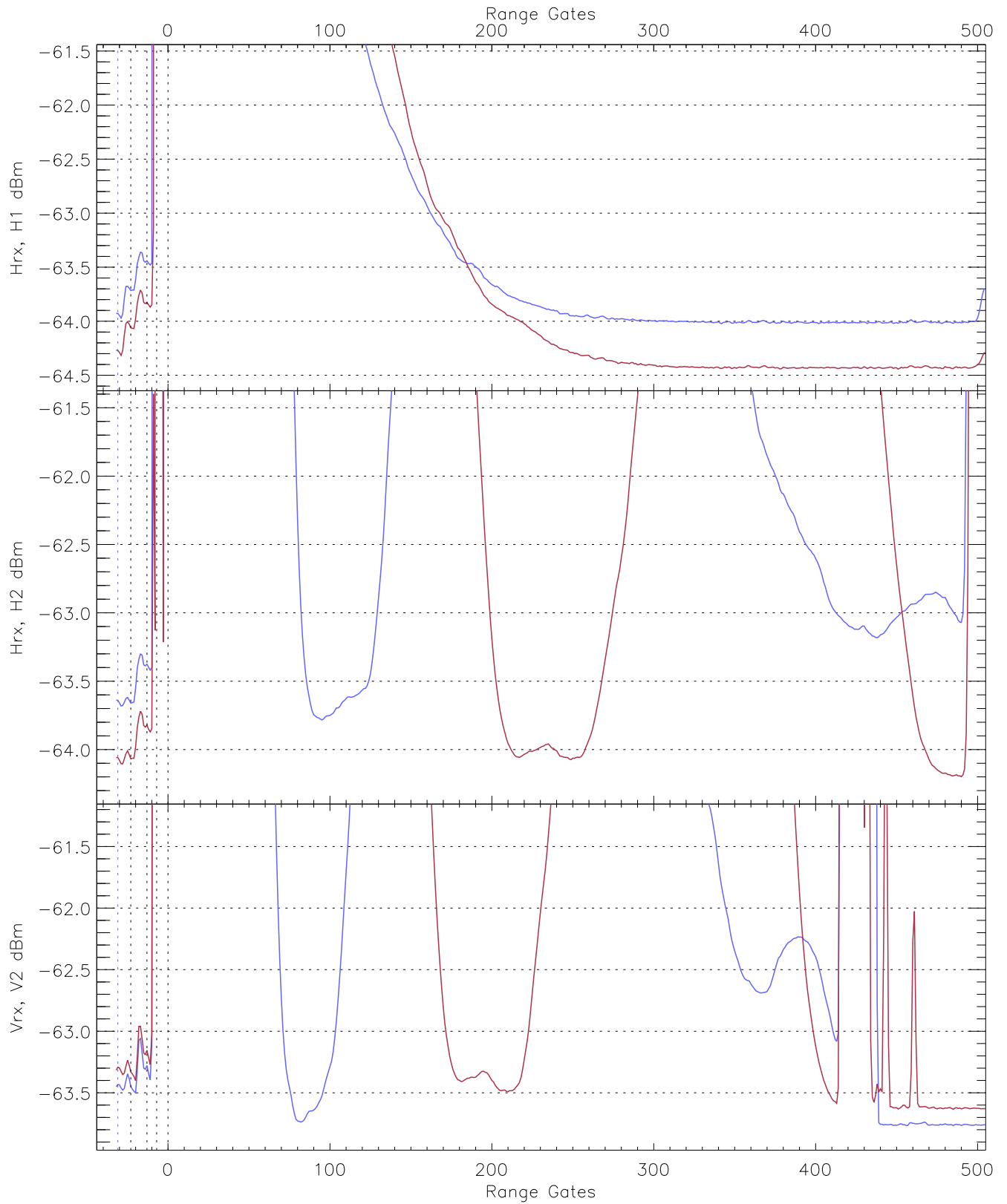
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -66.23 | -62.36 | -64.10 | -63.87 | -71.51 |
| Hrx, H2 (RM [dBm]) | -66.07 | -62.21 | -63.84 | -63.59 | -71.14 |
| Vrx, V2 (RM [dBm]) | -64.48 | -60.04 | -63.36 | -63.37 | -75.26 |

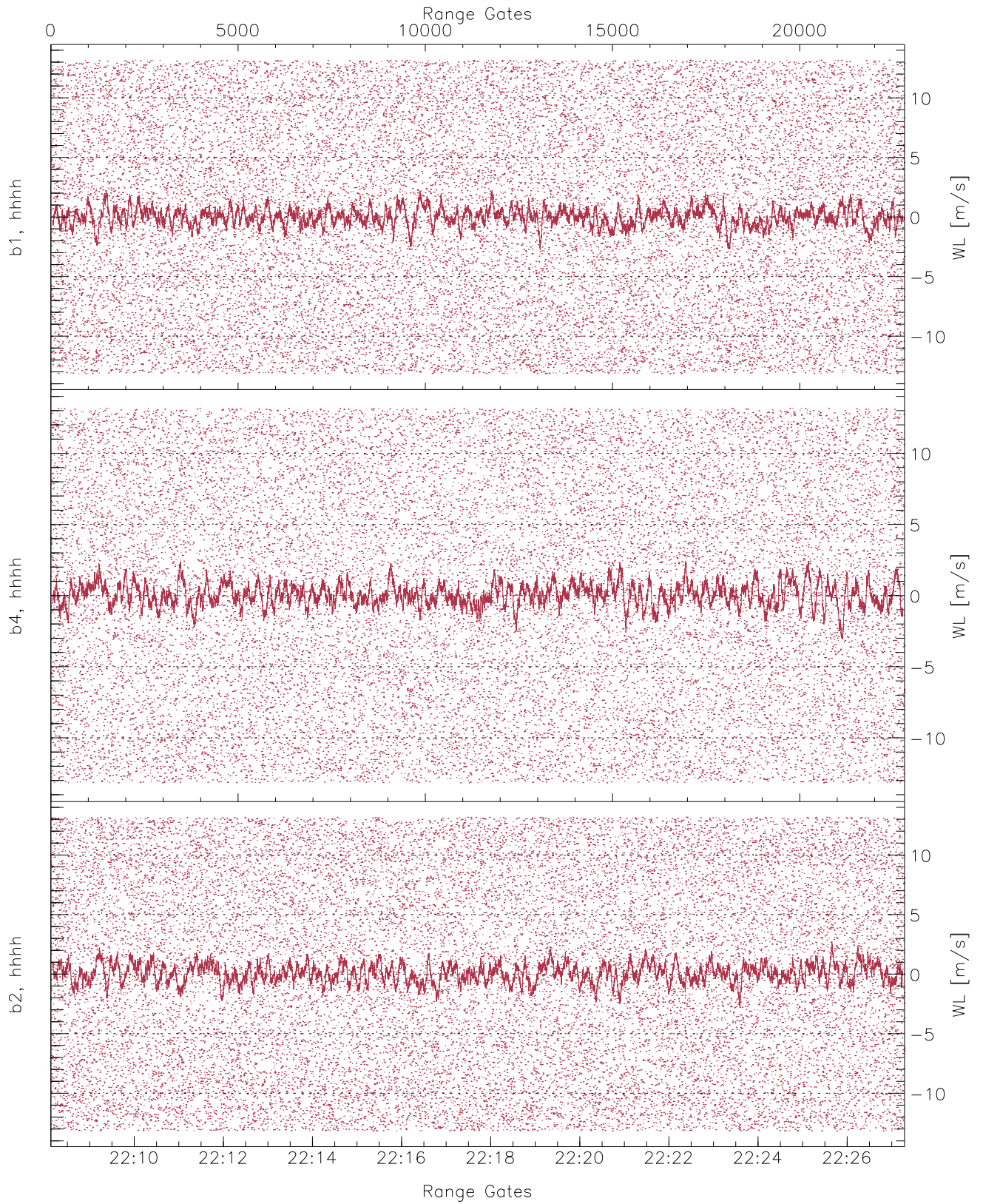


WCR2 CPP "Best" estimate Receivers Noise Power

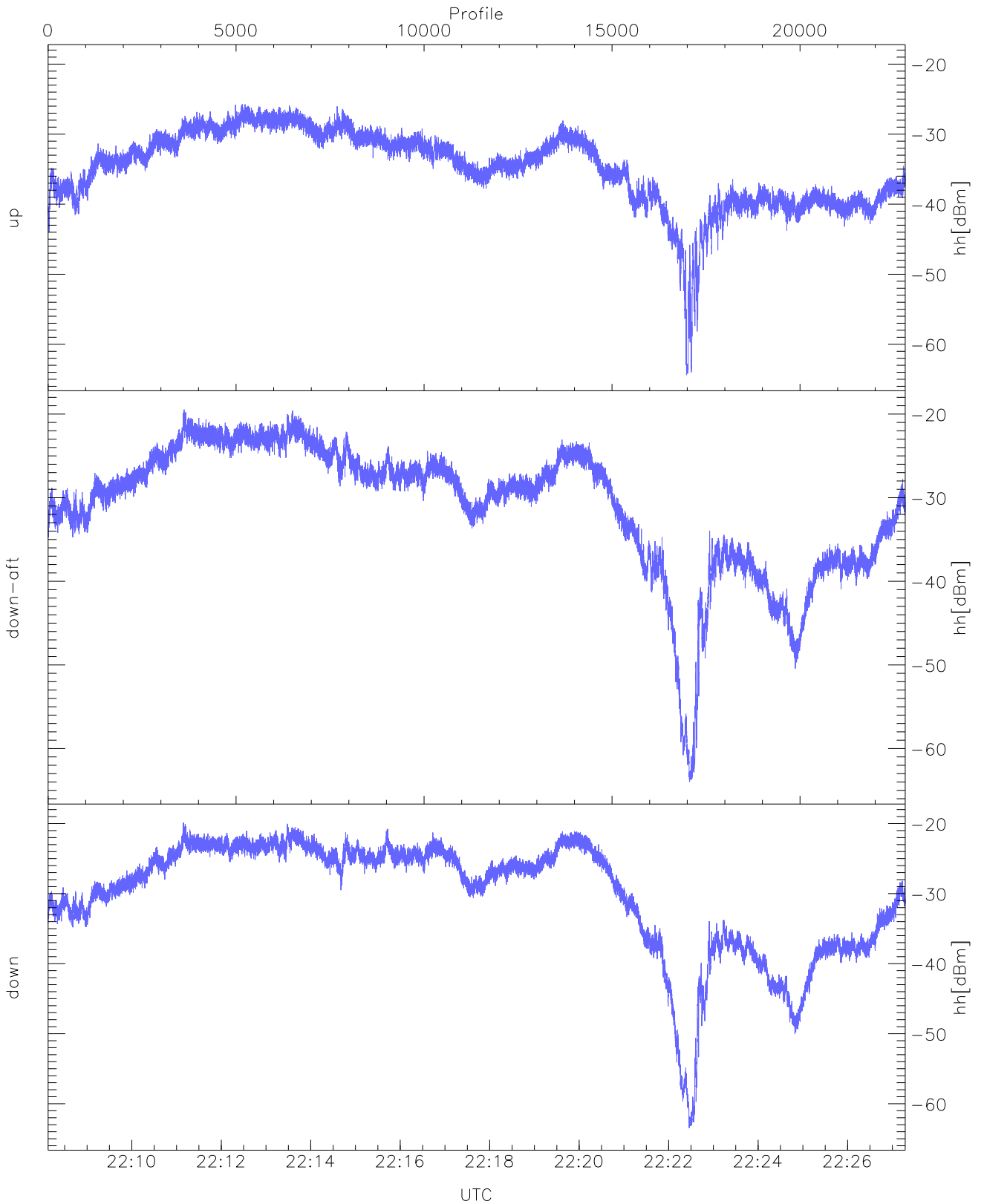
| | Min | Max | Mean | Median | StDev |
|---------------|--------|--------|--------|--------|--------|
| H1WL_24 [dBm] | -66.36 | -62.37 | -64.10 | -63.84 | -71.34 |
| H1WL_24 [dBm] | -66.36 | -62.37 | -64.10 | -63.84 | -71.34 |
| V2HLE_0 [dBm] | -64.45 | -62.33 | -63.39 | -63.39 | -75.37 |



WCR2 CPP Averaged Received power for all recorded gates
blue: 220808-221742, 11401 profiles averaged
red: 221742-222717, 11400 profiles averaged

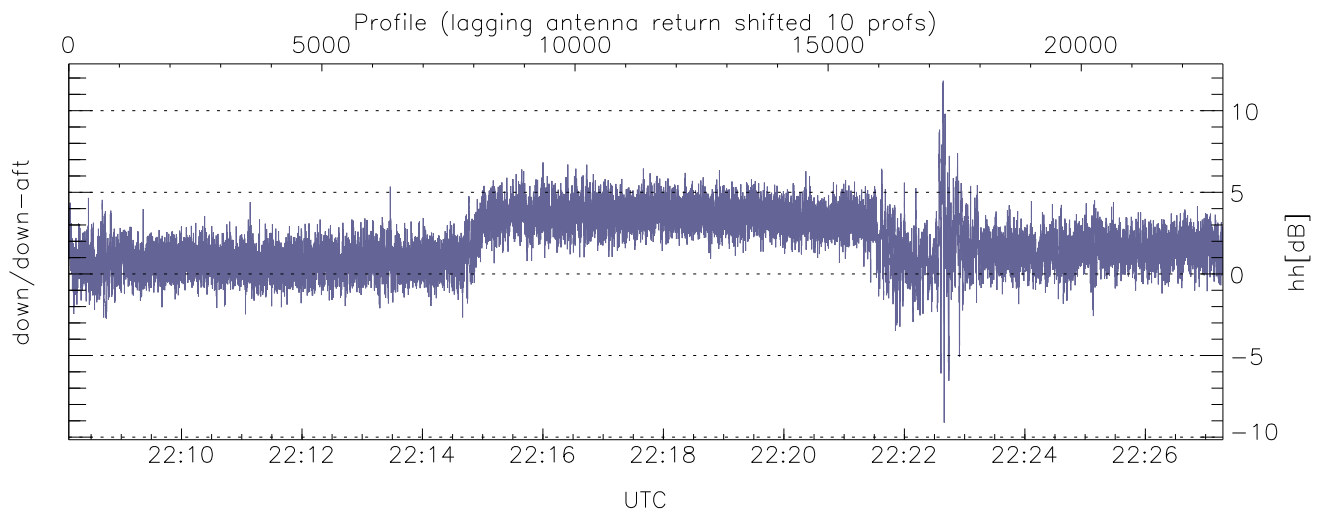
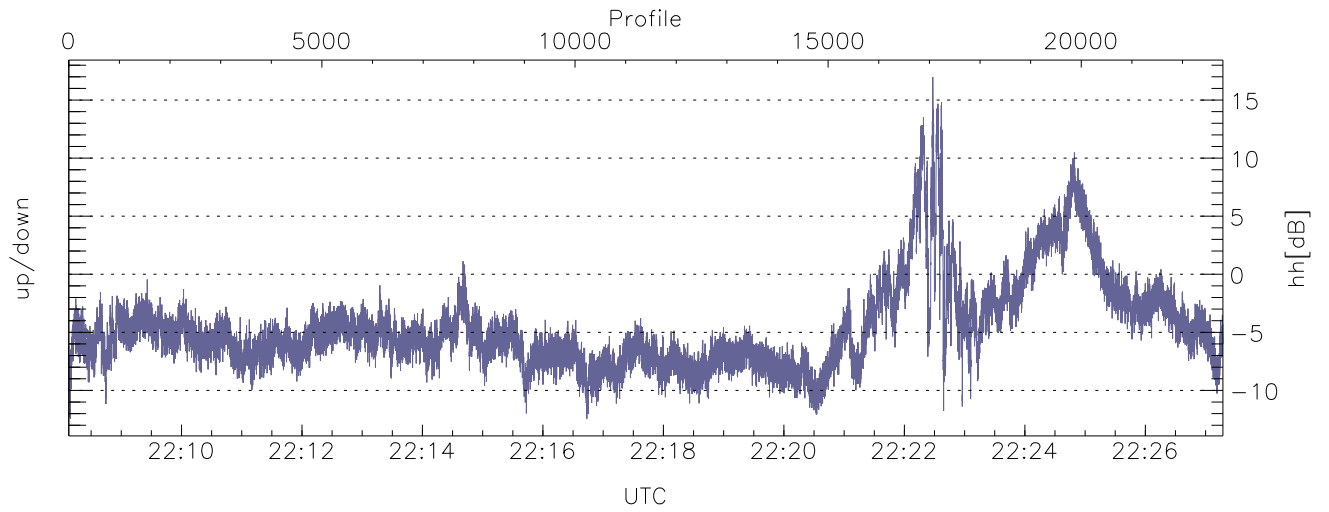


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



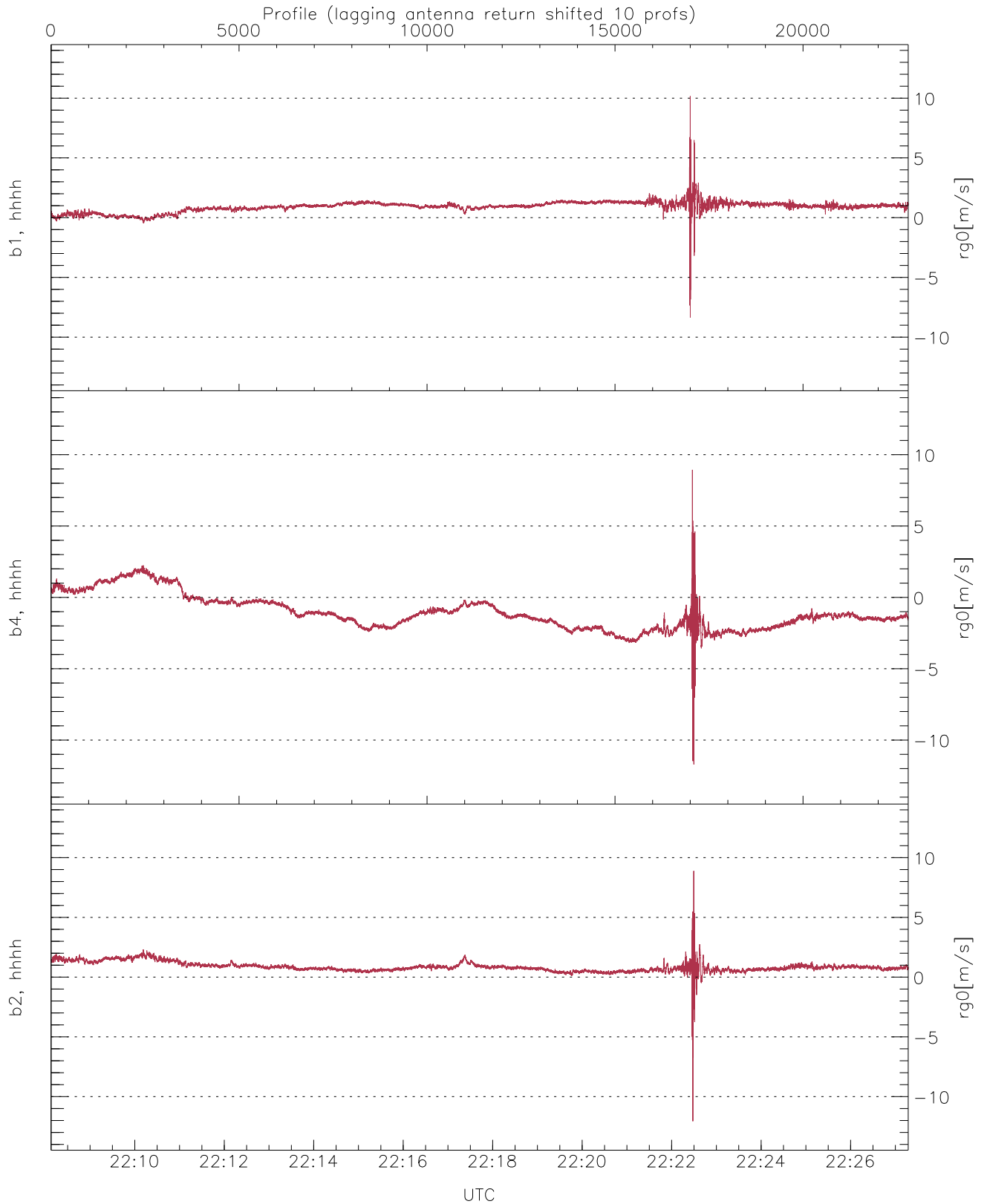
WCR2 CPP Received Power Products for Range gate 0 (105.1 m)

| | Min | Max | Mean |
|-------------------|--------|--------|--------|
| up(hh[dBm]) | -64.39 | -25.74 | -32.47 |
| down-aft(hh[dBm]) | -63.99 | -19.46 | -27.17 |
| down(hh[dBm]) | -63.46 | -19.84 | -26.39 |



WCR2 CPP Received Power Ratio; Range gates used: 0,1 (105,120 m)

| | Min | Max | Mean |
|-----------------------|--------|-------|-------|
| up/down(hh[dB]) | -12.45 | 16.97 | -3.45 |
| down/down-aft(hh[dB]) | -9.11 | 11.82 | 1.95 |



WCR2 CPP Doppler Velocity Products at 105.1 m range

| | Min | Max | Mean | StDev |
|--------------------|--------|-------|-------|-------|
| b1, hhhh(rg0[m/s]) | -8.37 | 10.17 | 0.91 | 0.44 |
| b4, hhhh(rg0[m/s]) | -11.70 | 8.94 | -1.09 | 1.20 |
| b2, hhhh(rg0[m/s]) | -12.06 | 8.89 | 0.85 | 0.40 |