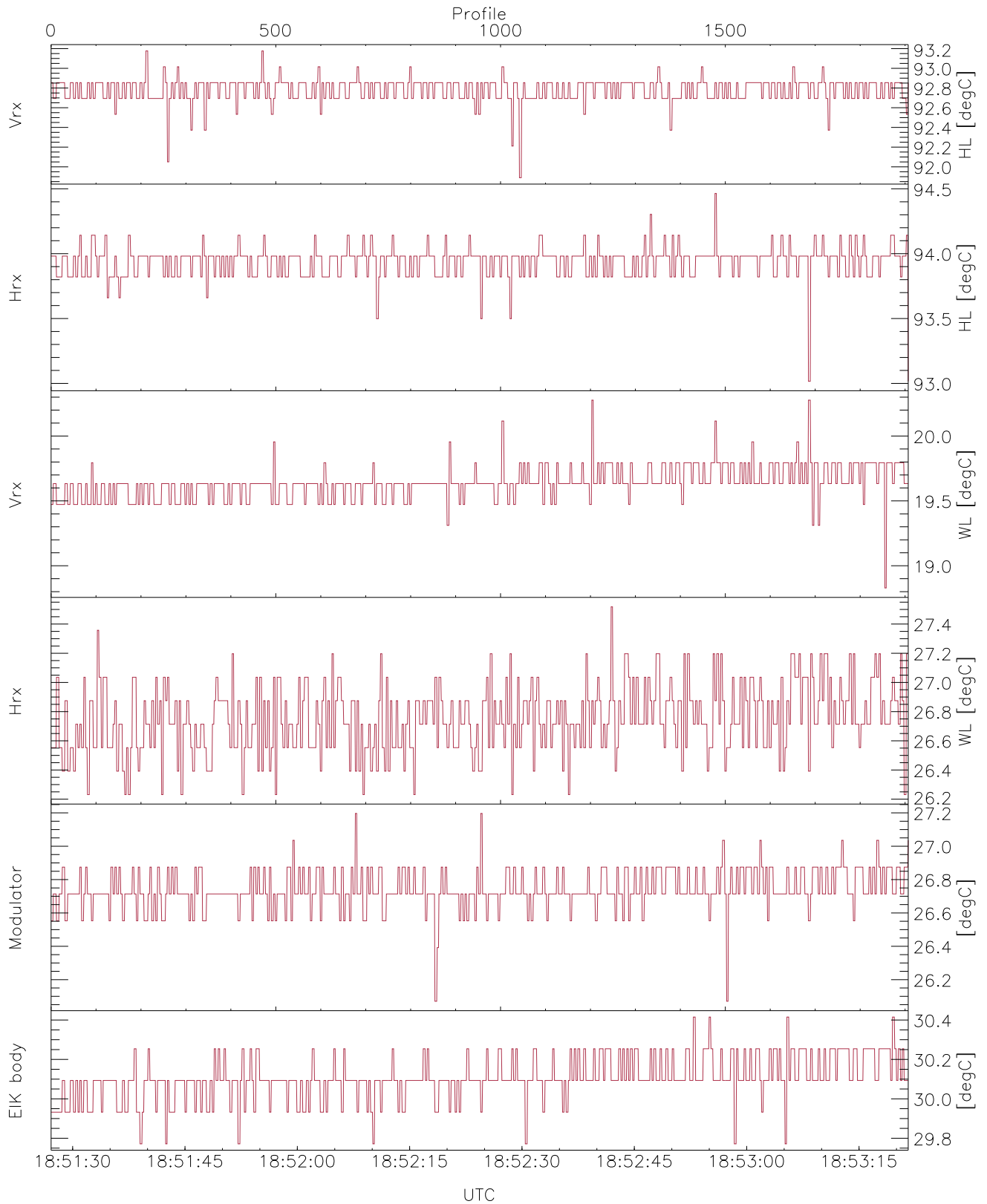


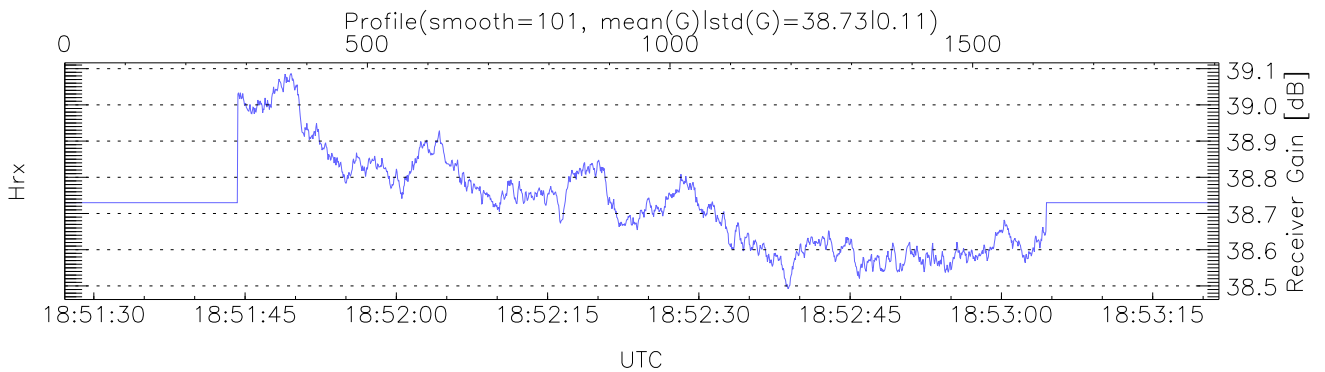
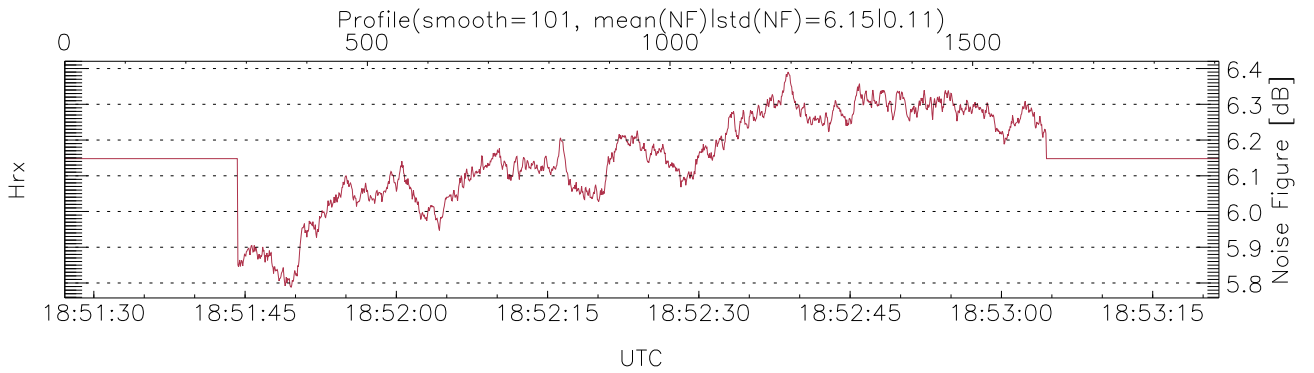
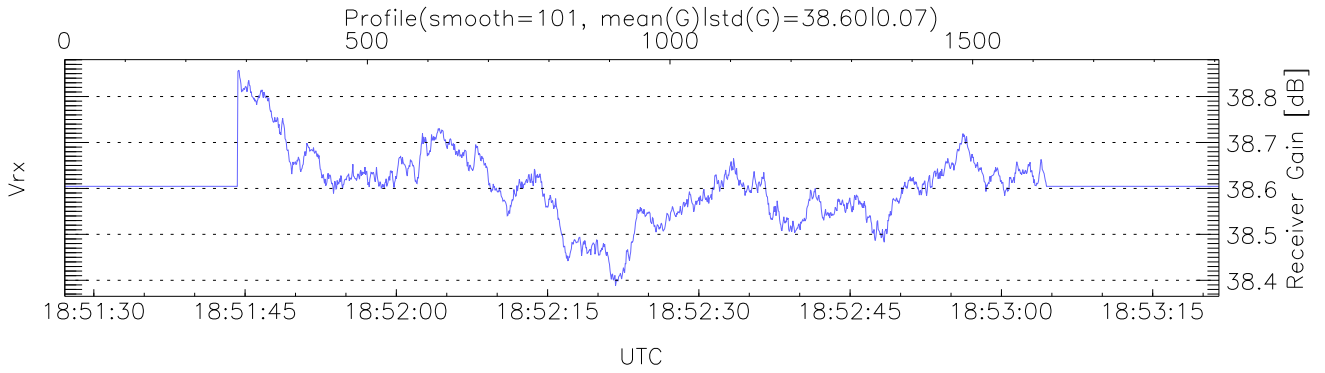
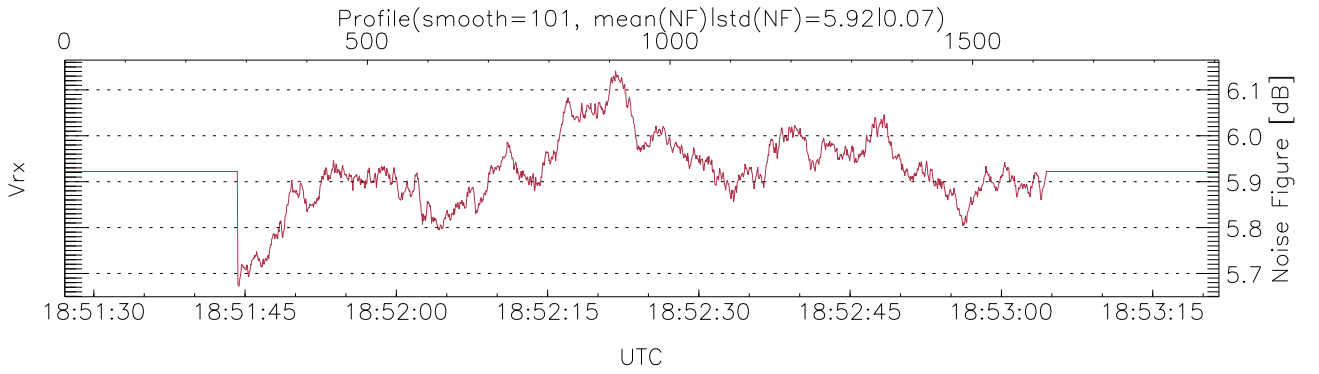
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:51:27-18:53:22, Dur: 114.45s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 60.0,60.0,60.0,0.0 ms / 17,17,17
 NumRec(r/t): 1908/1908, 0-1907/18:51:27-18:53:22
 AcqTime: 60.0ms, Rate: 383KB/s, Averages: 200
 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): 105,6788,15.0 m, Gates: 446, Aspect: 2.8
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



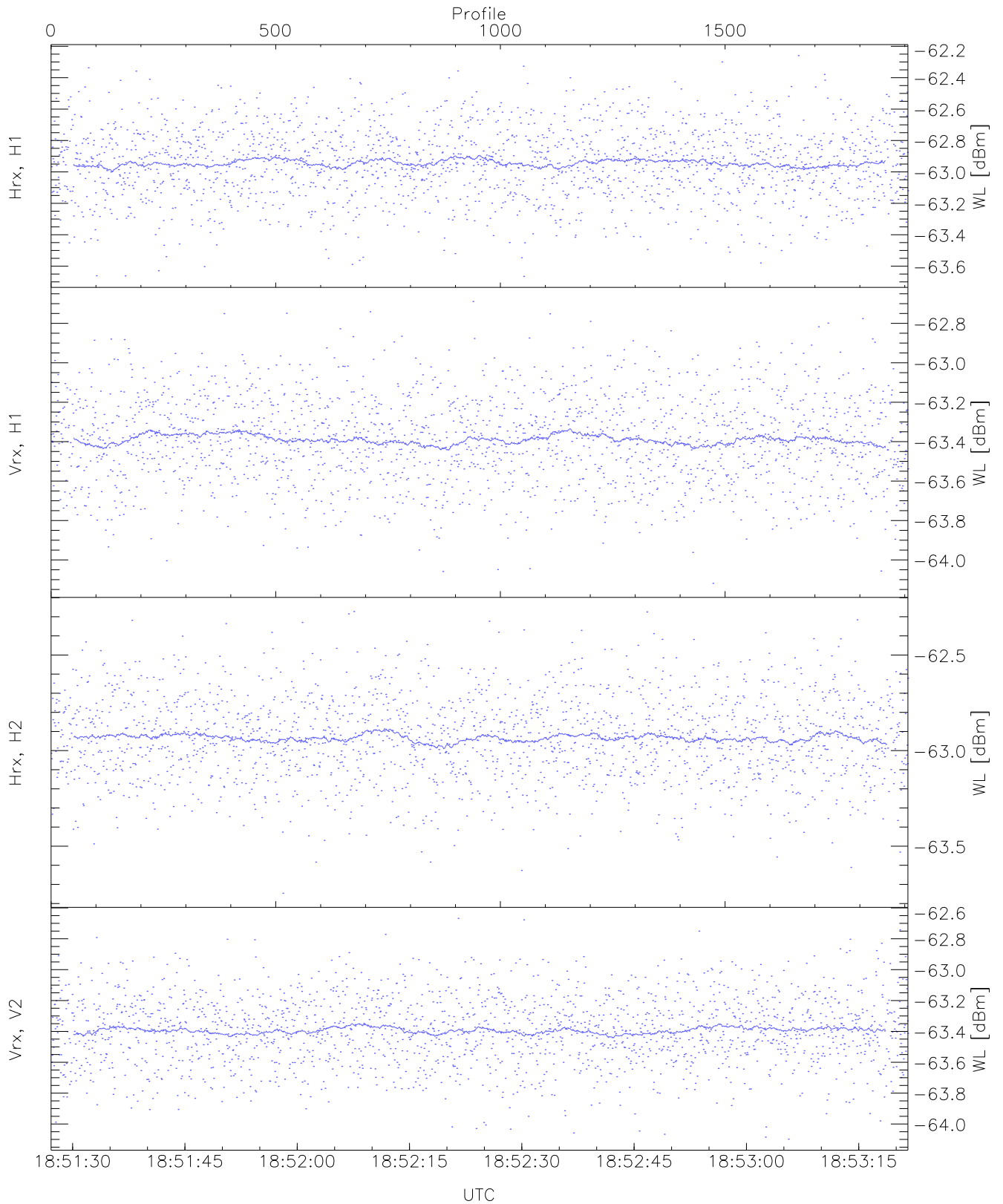
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,18,26,26,29
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,20,27,27,30
 LOalarm(20,80,240,2.8,14.8 MHz): None
 EIK/Modulator Faults: None



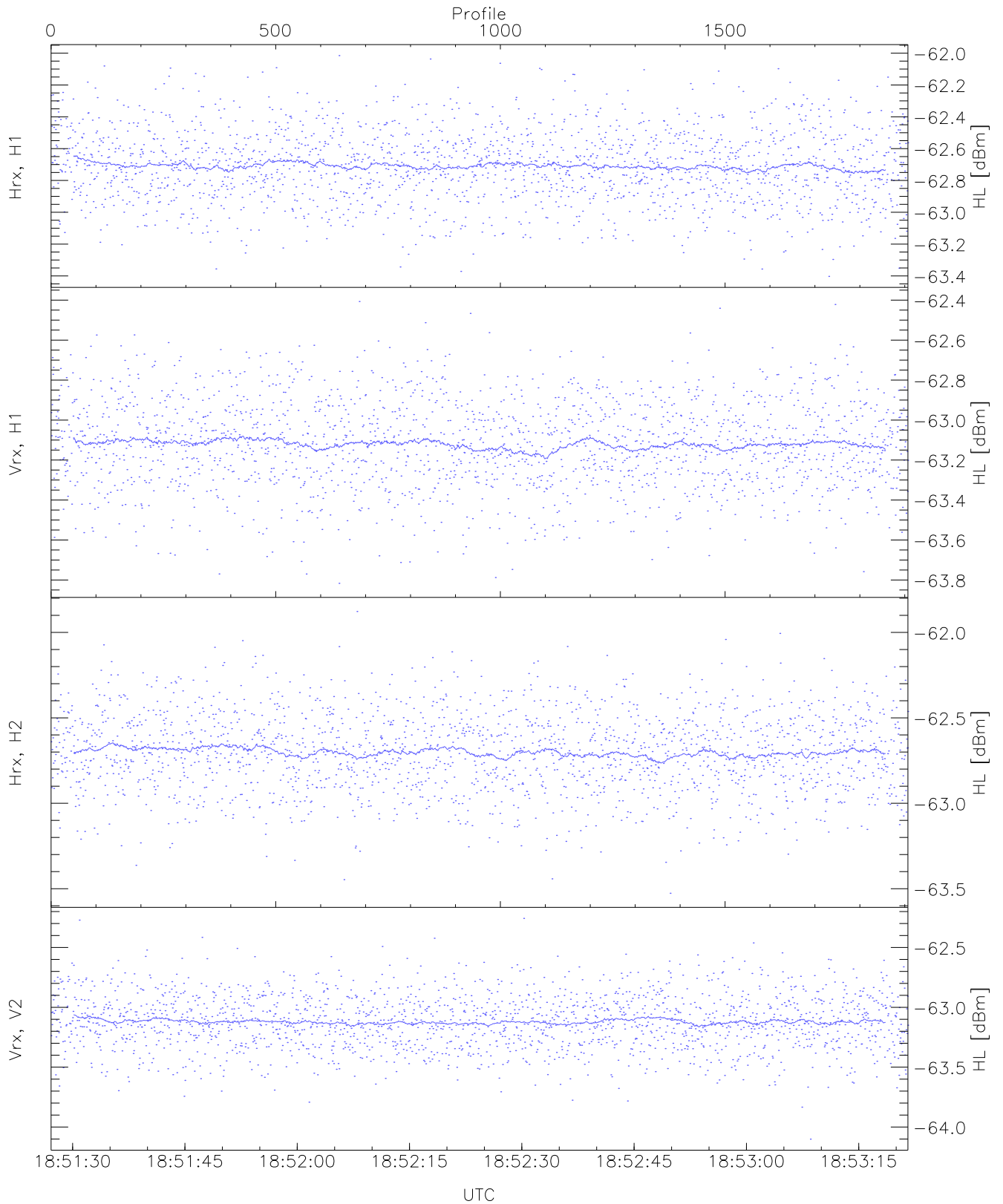
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 0 pixs, 0 gates, 0 profs, 0 prods



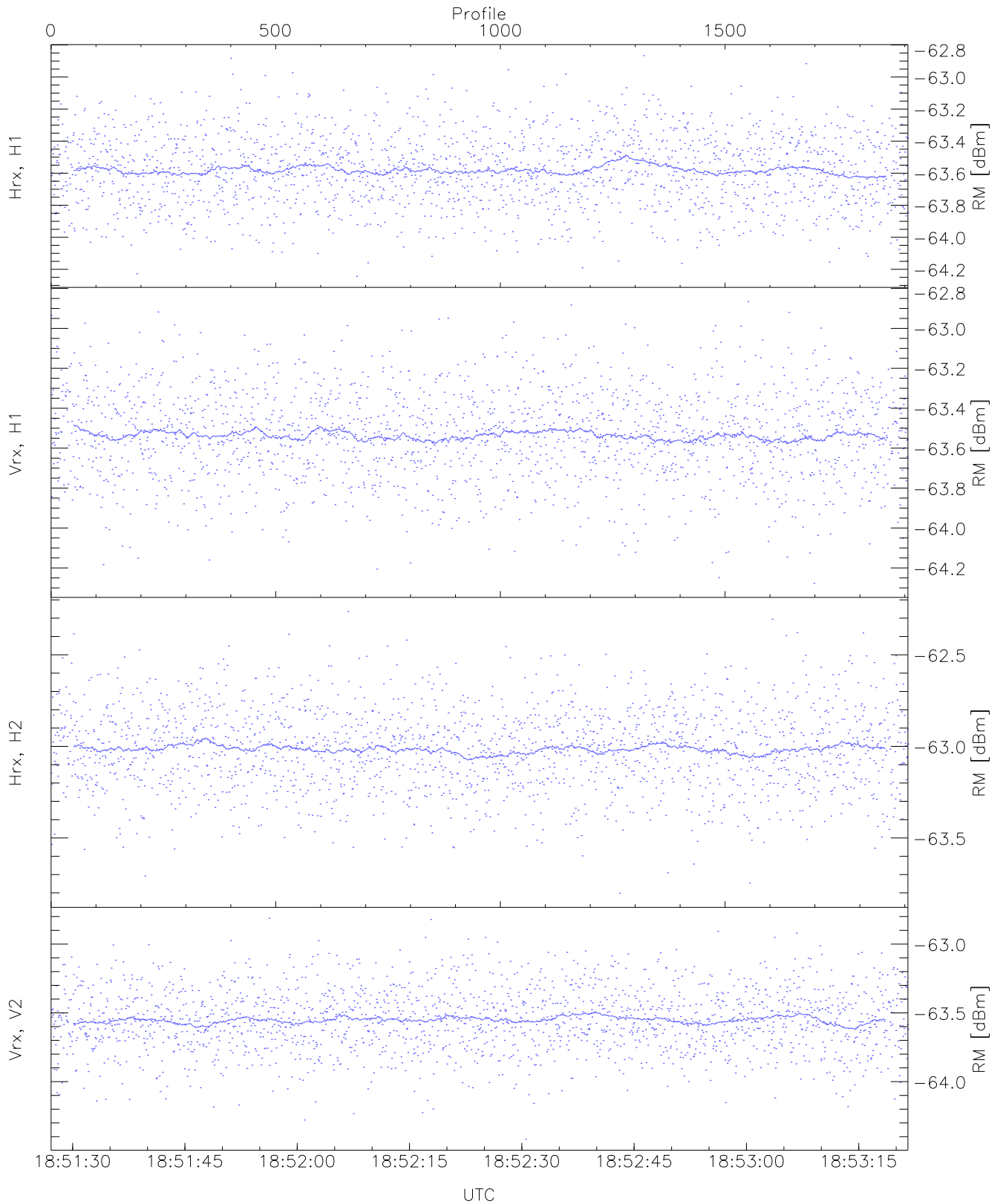
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (WL [dBm]) | -63.66 | -62.26 | -62.94 | -62.94 | -75.87 |
| Vrx, H1 (WL [dBm]) | -64.12 | -62.69 | -63.39 | -63.39 | -76.37 |
| Hrx, H2 (WL [dBm]) | -63.75 | -62.27 | -62.93 | -62.94 | -75.96 |
| Vrx, V2 (WL [dBm]) | -64.10 | -62.67 | -63.39 | -63.39 | -76.35 |



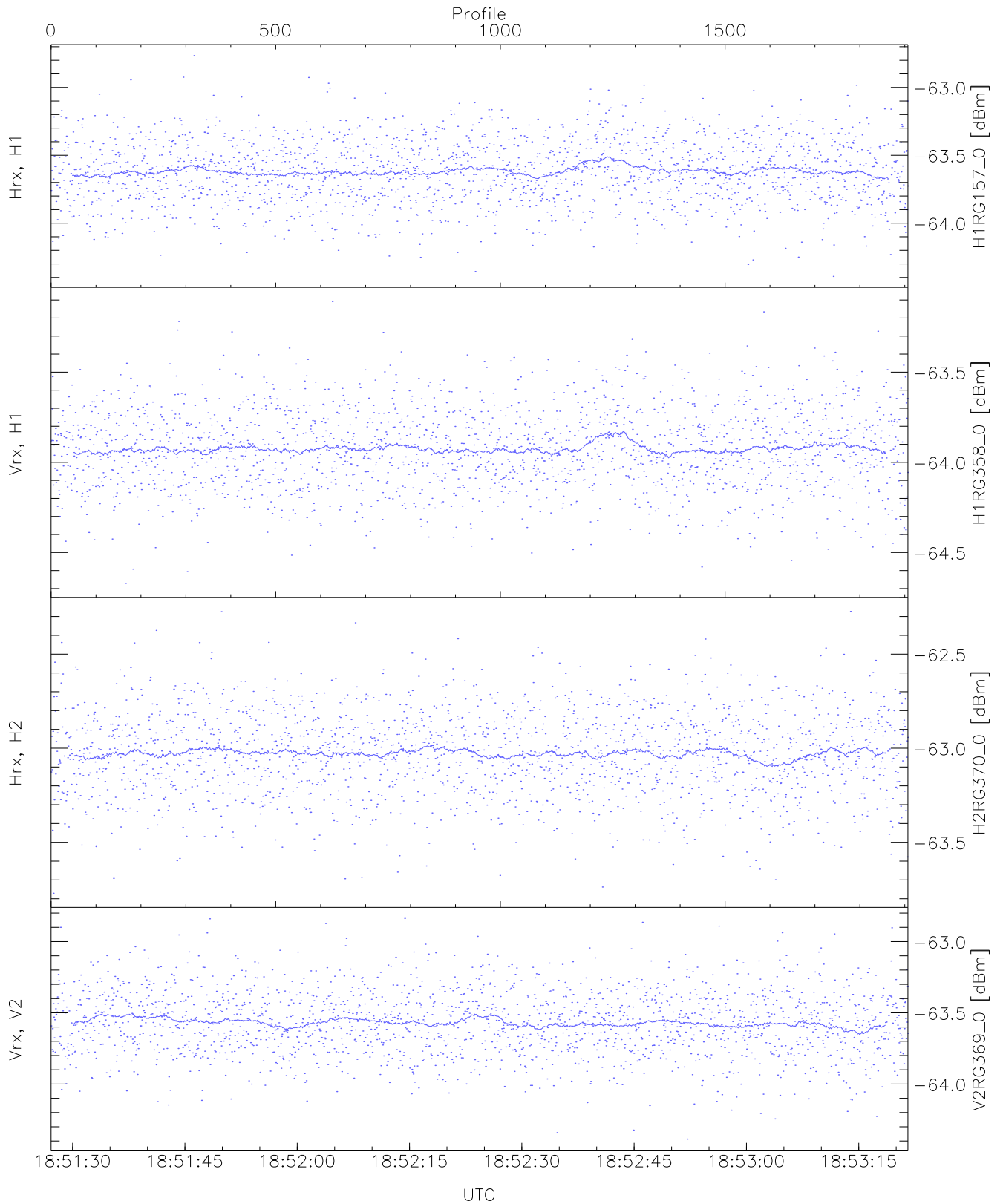
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (HL [dBm]) | -63.40 | -62.02 | -62.70 | -62.71 | -75.59 |
| Vrx, H1 (HL [dBm]) | -63.82 | -62.41 | -63.12 | -63.12 | -76.13 |
| Hrx, H2 (HL [dBm]) | -63.53 | -61.88 | -62.70 | -62.70 | -75.51 |
| Vrx, V2 (HL [dBm]) | -64.10 | -62.26 | -63.11 | -63.13 | -75.97 |



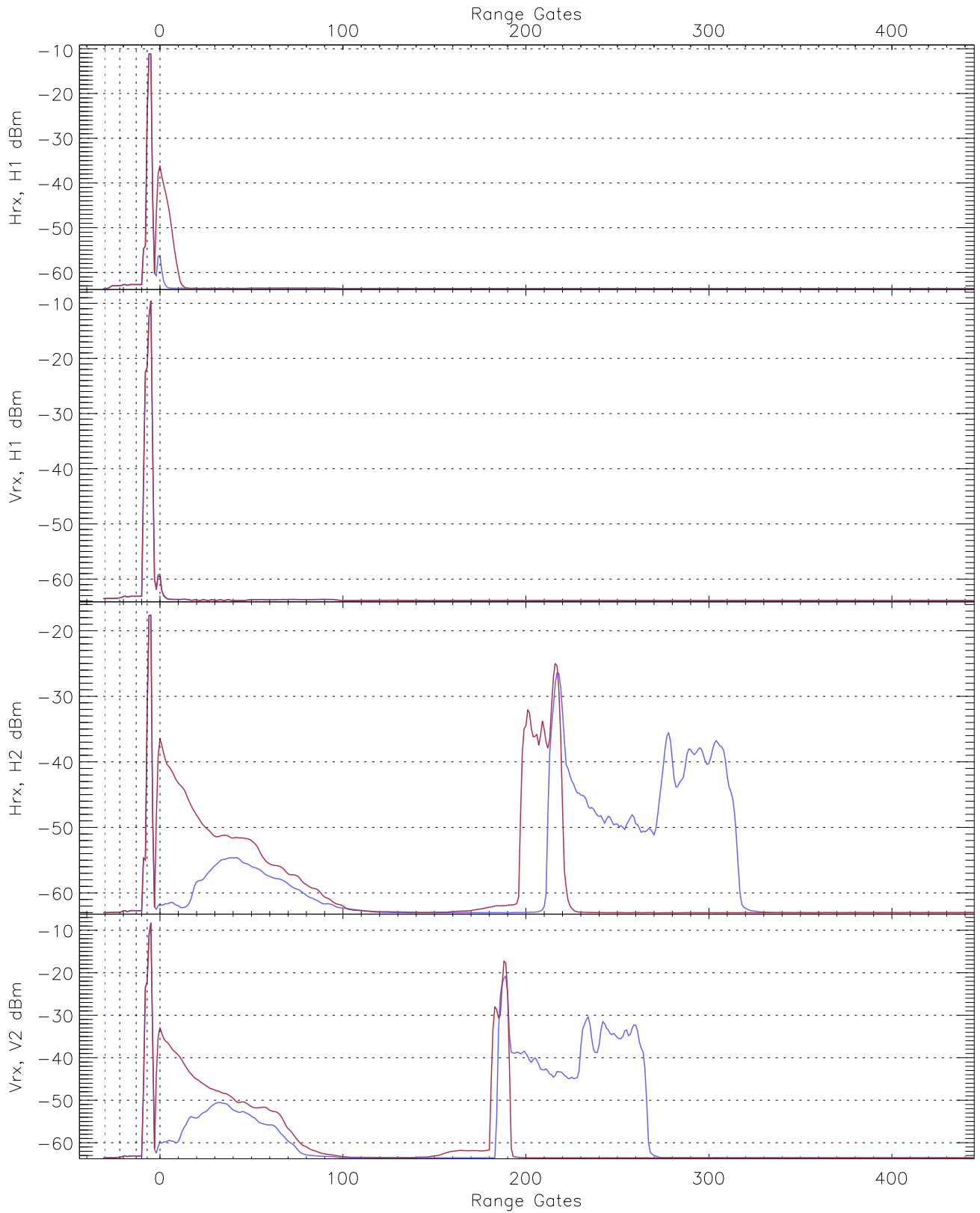
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|--------------------|--------|--------|--------|--------|--------|
| Hrx, H1 (RM [dBm]) | -64.24 | -62.87 | -63.58 | -63.58 | -76.59 |
| Vrx, H1 (RM [dBm]) | -64.28 | -62.87 | -63.53 | -63.53 | -76.49 |
| Hrx, H2 (RM [dBm]) | -63.80 | -62.26 | -63.01 | -63.01 | -75.96 |
| Vrx, V2 (RM [dBm]) | -64.42 | -62.81 | -63.55 | -63.56 | -76.41 |

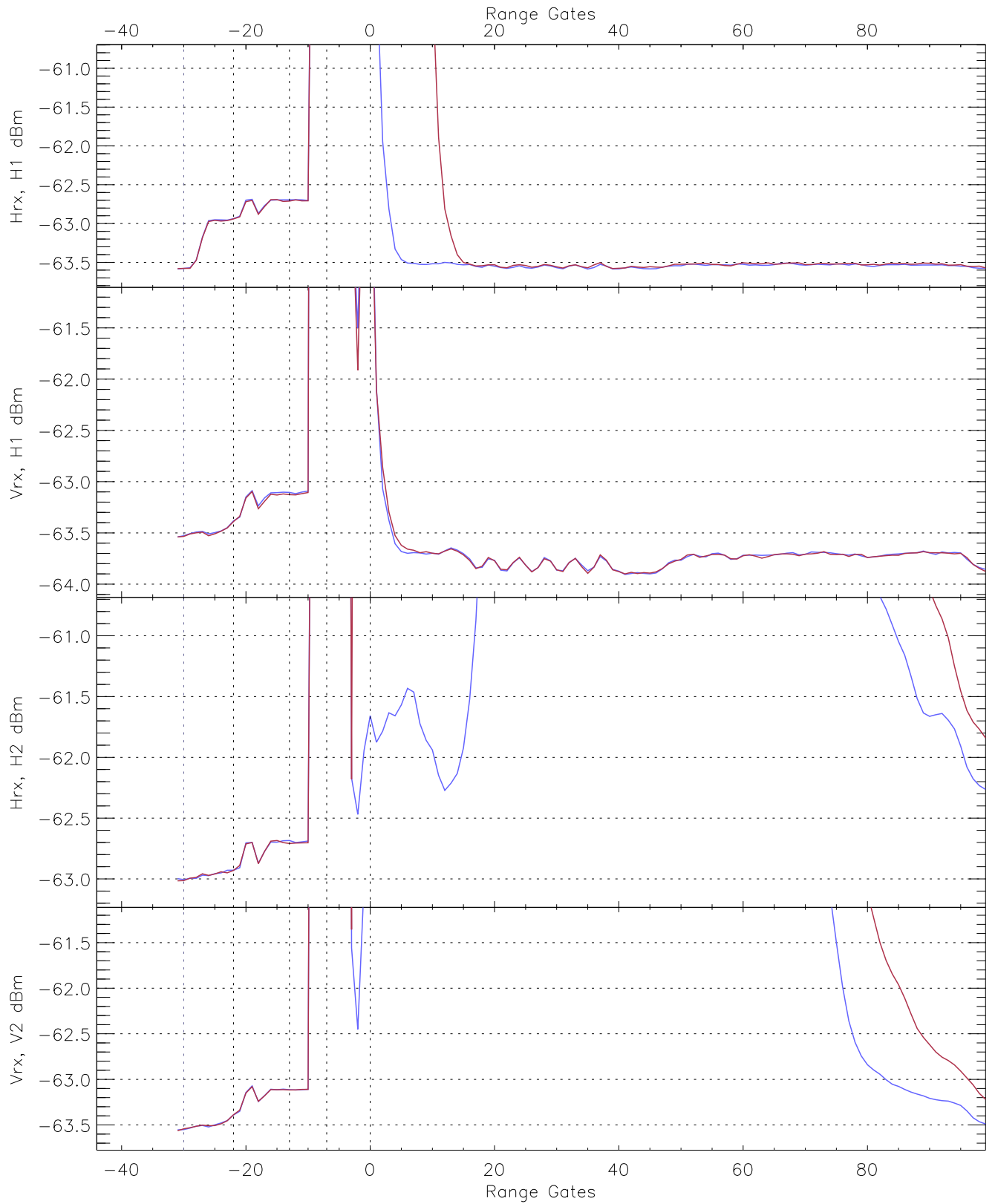


WCR2 CPP "Best" estimate Receivers Noise Power

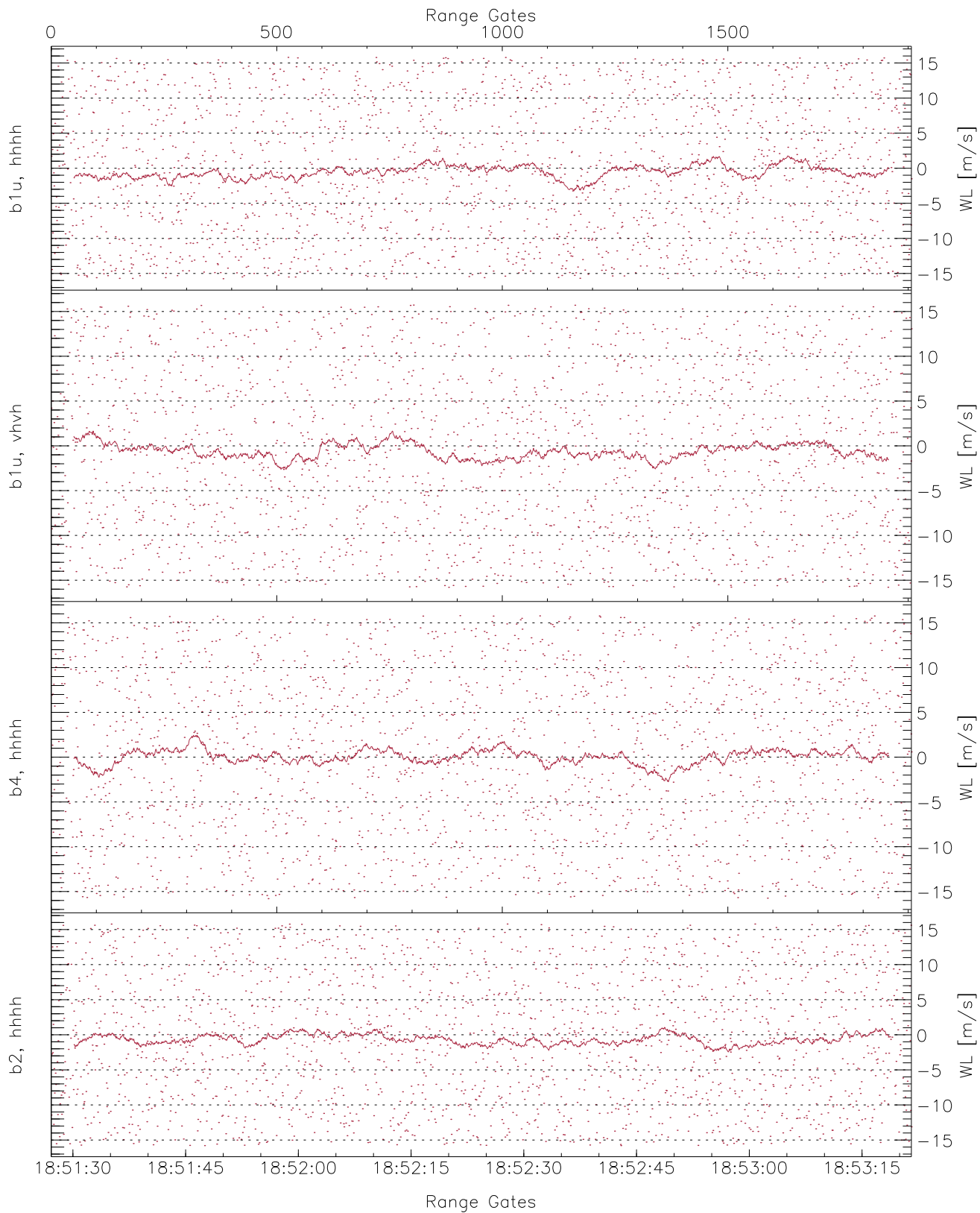
| | Min | Max | Mean | Median | StDev |
|-----------------|--------|--------|--------|--------|--------|
| H1RG157_0 [dBm] | -64.39 | -62.77 | -63.61 | -63.62 | -76.46 |
| H1RG358_0 [dBm] | -64.67 | -63.11 | -63.92 | -63.93 | -76.90 |
| H2RG370_0 [dBm] | -63.77 | -62.27 | -63.02 | -63.03 | -76.04 |
| V2RG369_0 [dBm] | -64.39 | -62.84 | -63.57 | -63.57 | -76.47 |



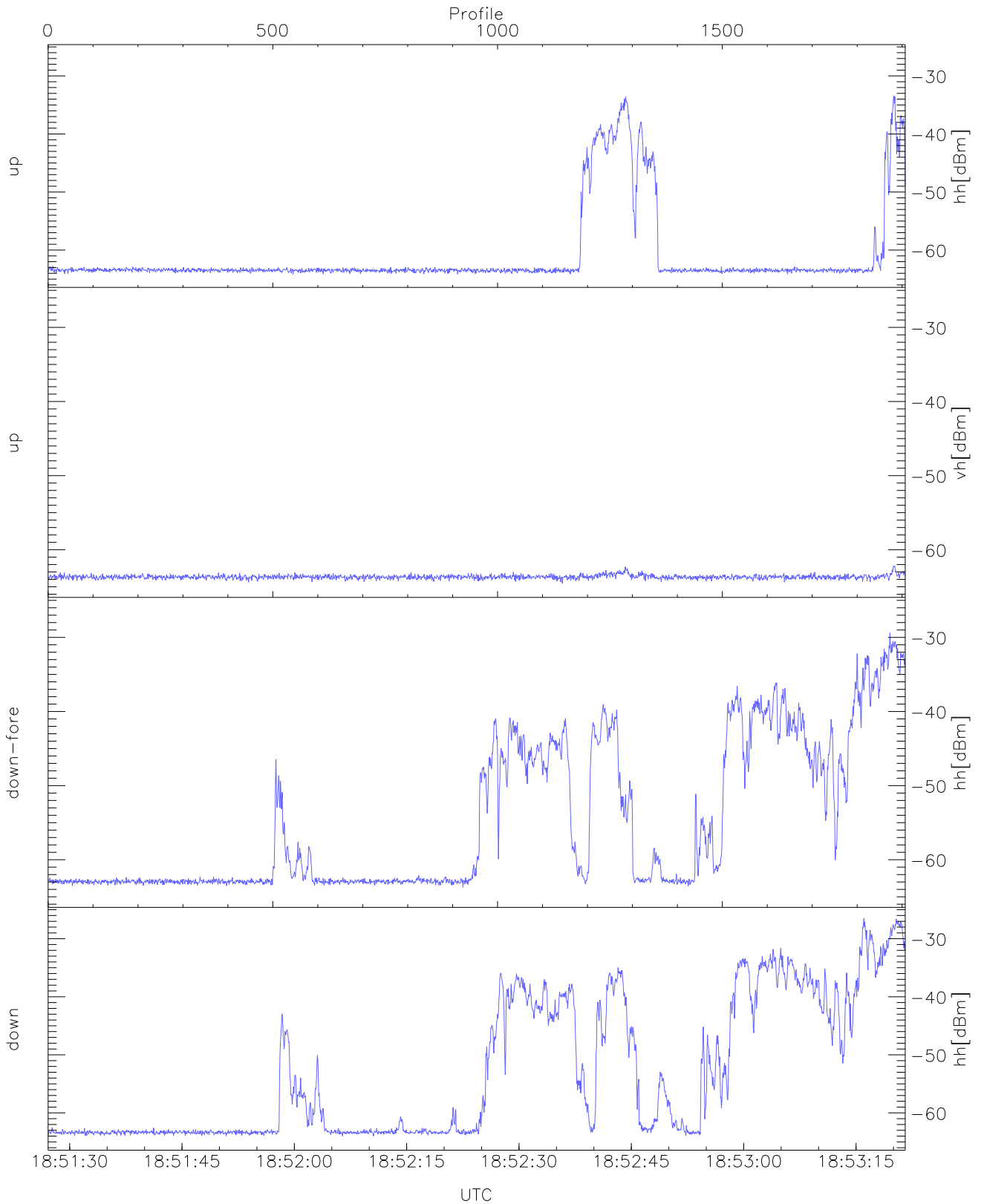
WCR2 CPP Averaged Received power for all recorded gates
blue: 185127-185224, 955 profiles averaged
red: 185224-185322, 954 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 185127-185224, 955 profiles averaged
red: 185224-185322, 954 profiles averaged

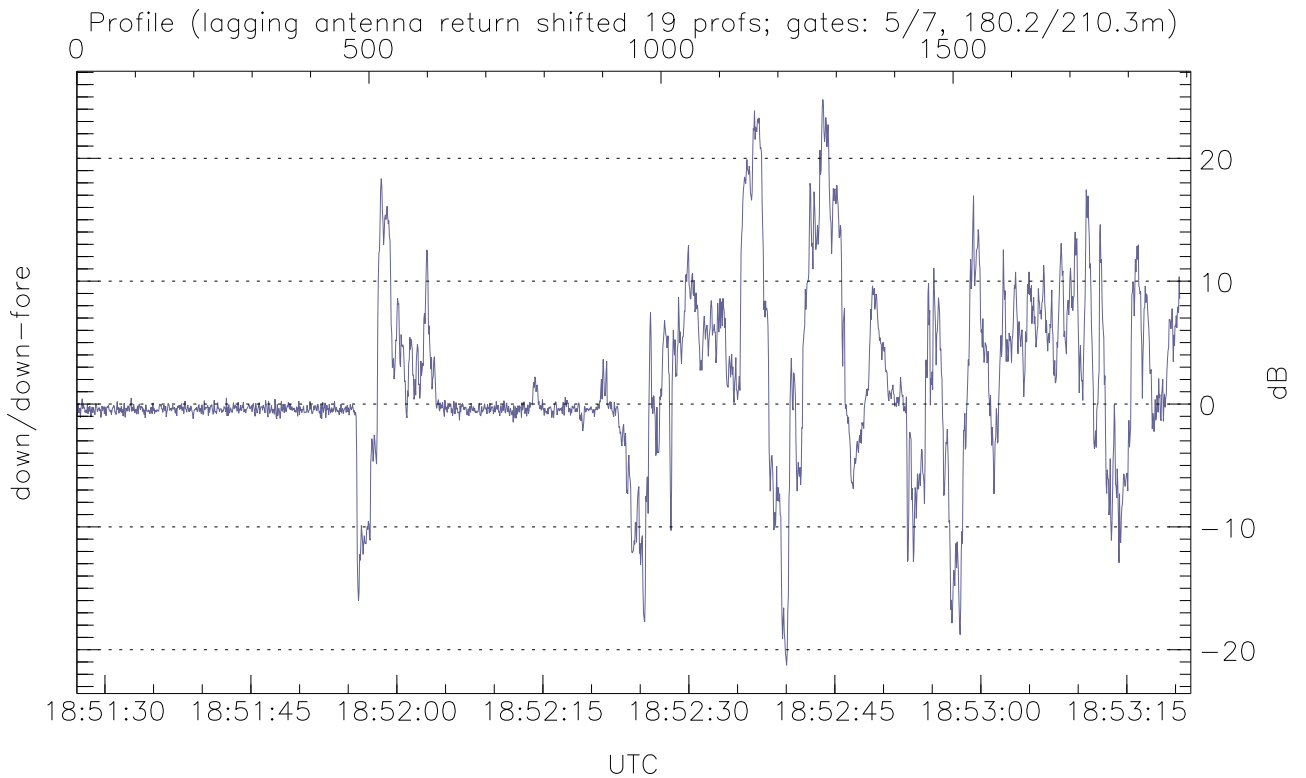
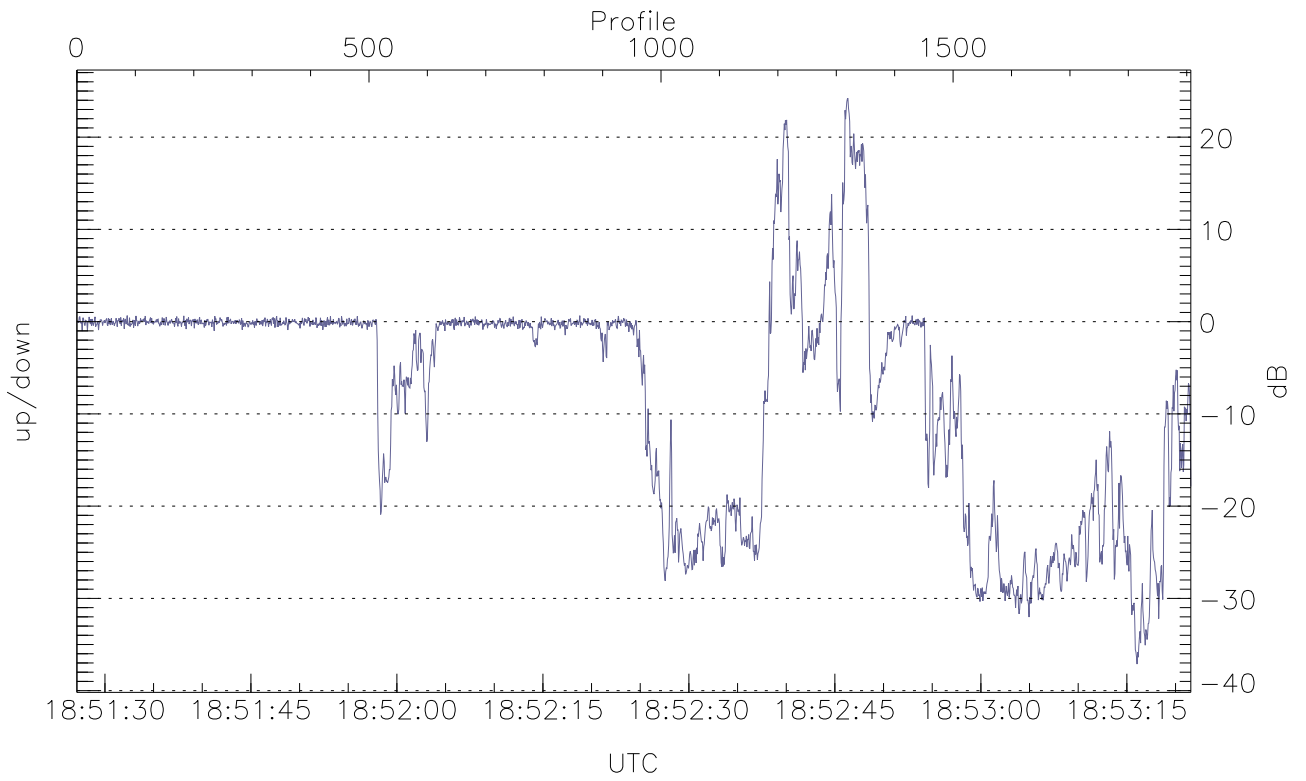


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



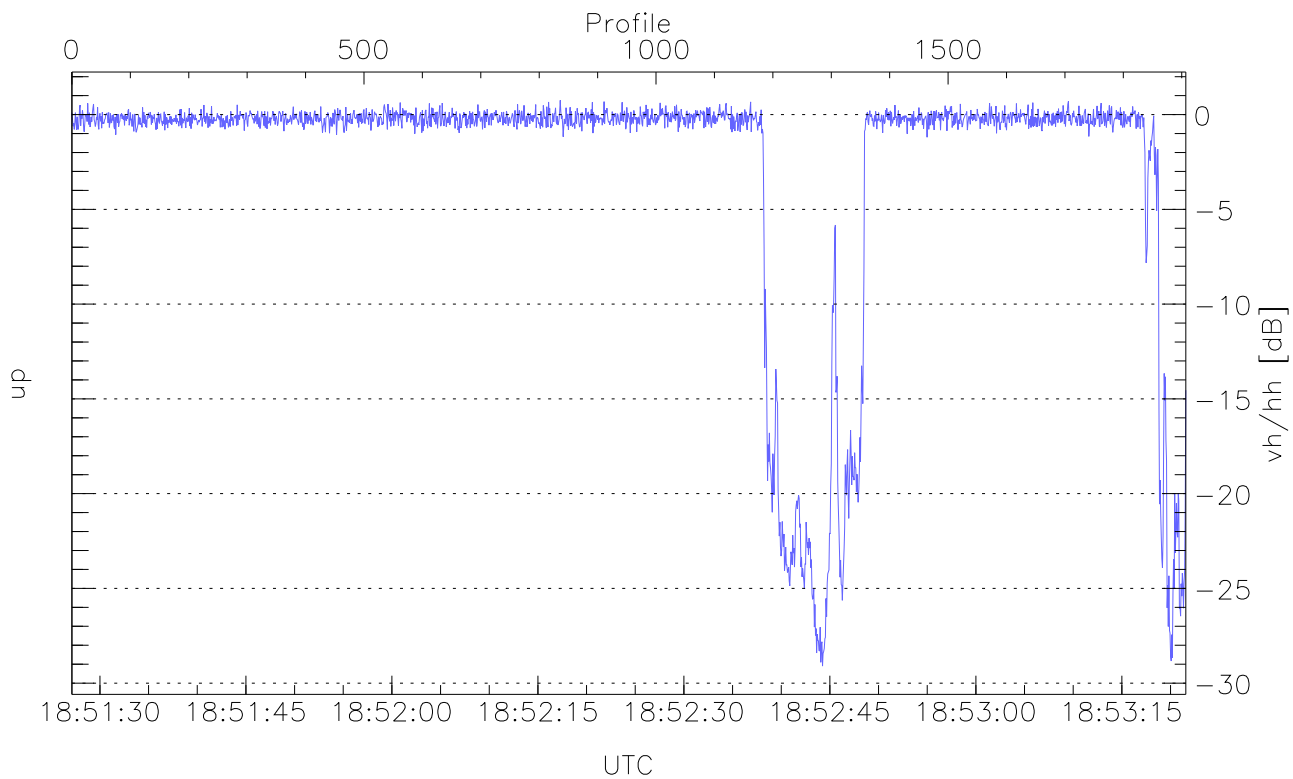
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

| | Min | Max | Mean |
|--------------------|--------|--------|--------|
| up(hh[dBm]) | -64.16 | -33.41 | -49.14 |
| up(vh[dBm]) | -64.53 | -62.21 | -63.65 |
| down-fore(hh[dBm]) | -63.71 | -29.39 | -43.74 |
| down(hh[dBm]) | -63.99 | -26.50 | -39.87 |



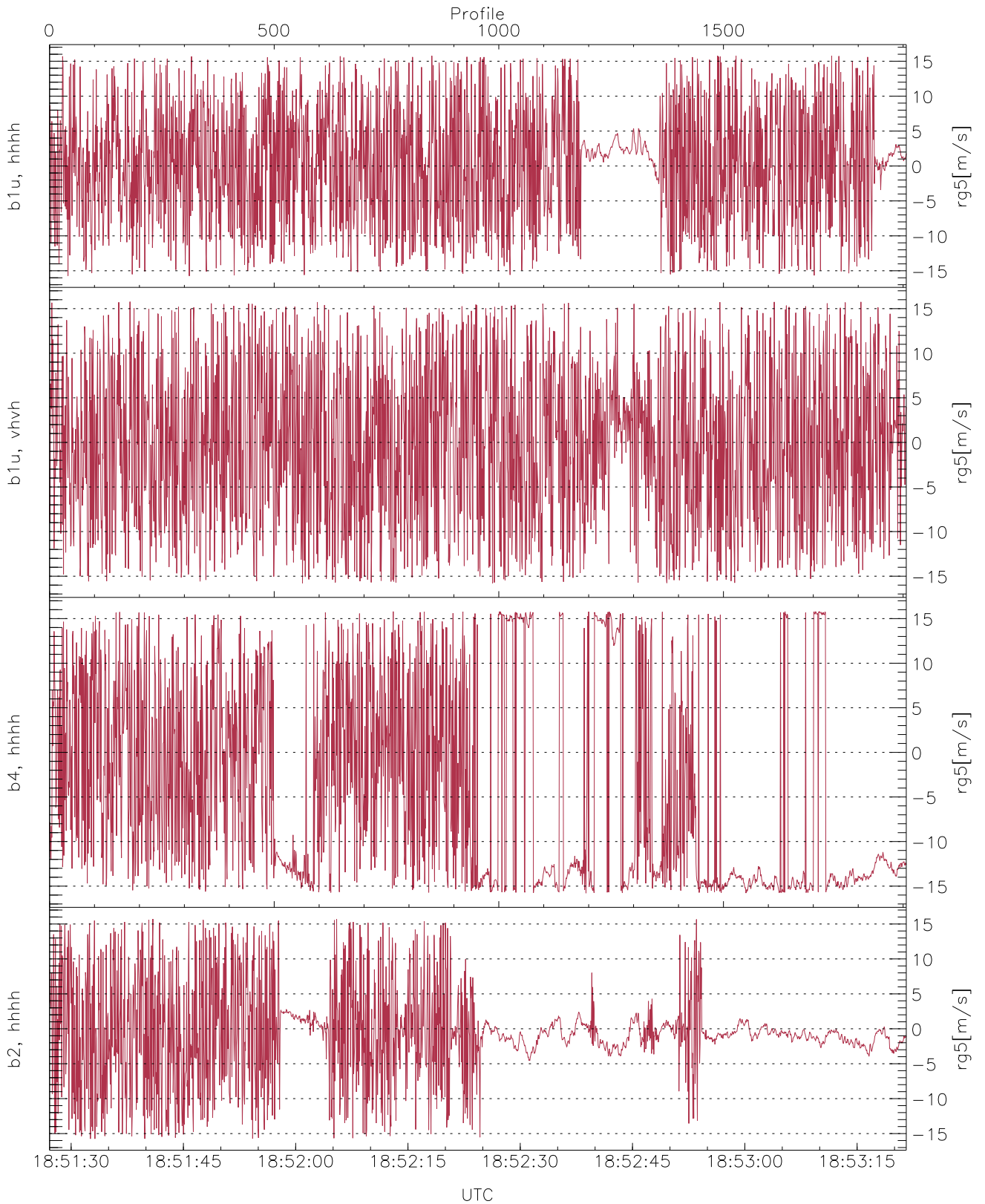
WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|---------------------|--------|-------|-------|
| up/down (dB) | -37.12 | 24.21 | -7.68 |
| down/down-fore (dB) | -21.27 | 24.79 | 1.60 |



WCR2 Co- and Cross-pol Received Power Ratio(s); RangeGate: 5 (180 m)

| | Min | Max | Mean |
|----------------|--------|------|-------|
| up(vh/hh [dB]) | -29.10 | 0.75 | -0.74 |



WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---------------------|--------|-------|-------|-------|
| b1u, hhhh(rg5[m/s]) | -15.74 | 15.77 | 0.33 | 8.01 |
| b1u, vvh(rg5[m/s]) | -15.78 | 15.78 | -0.25 | 8.76 |
| b4, hhhh(rg5[m/s]) | -15.78 | 15.80 | -4.27 | 11.27 |
| b2, hhhh(rg5[m/s]) | -15.75 | 15.71 | -0.59 | 6.11 |