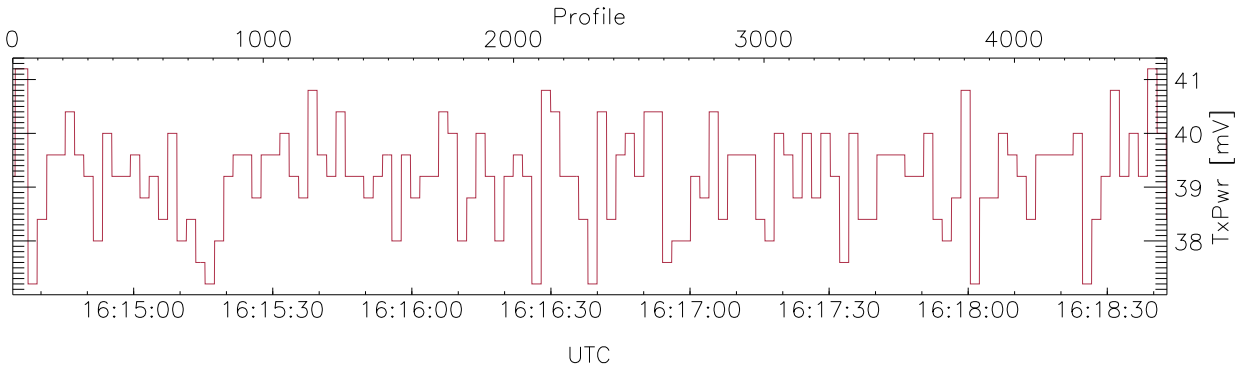
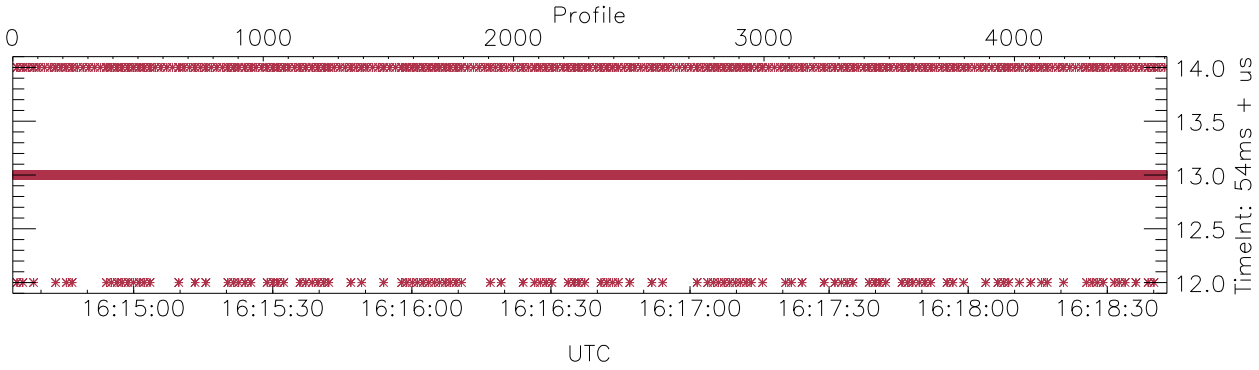
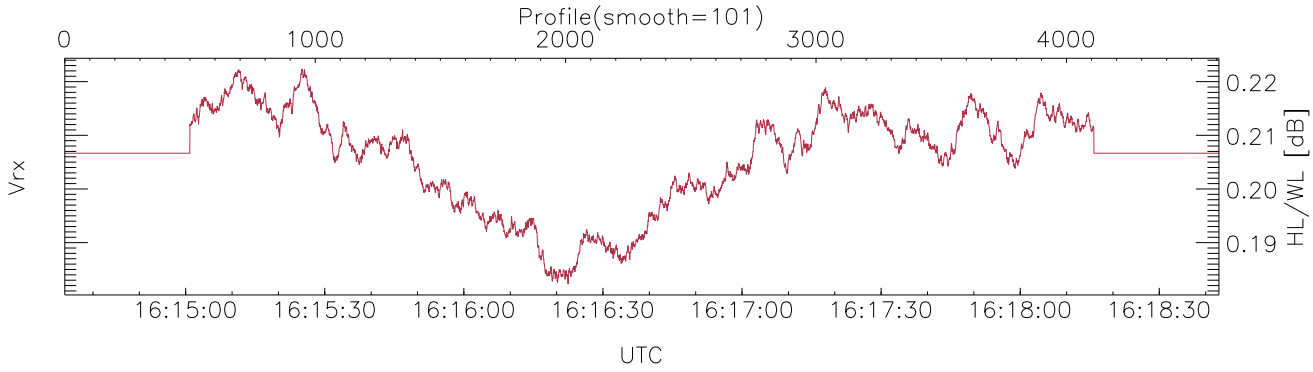
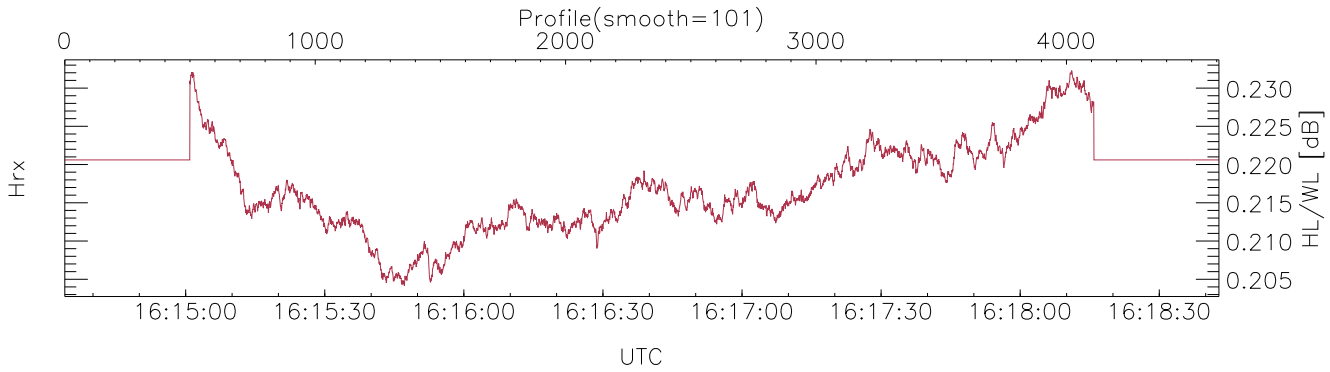


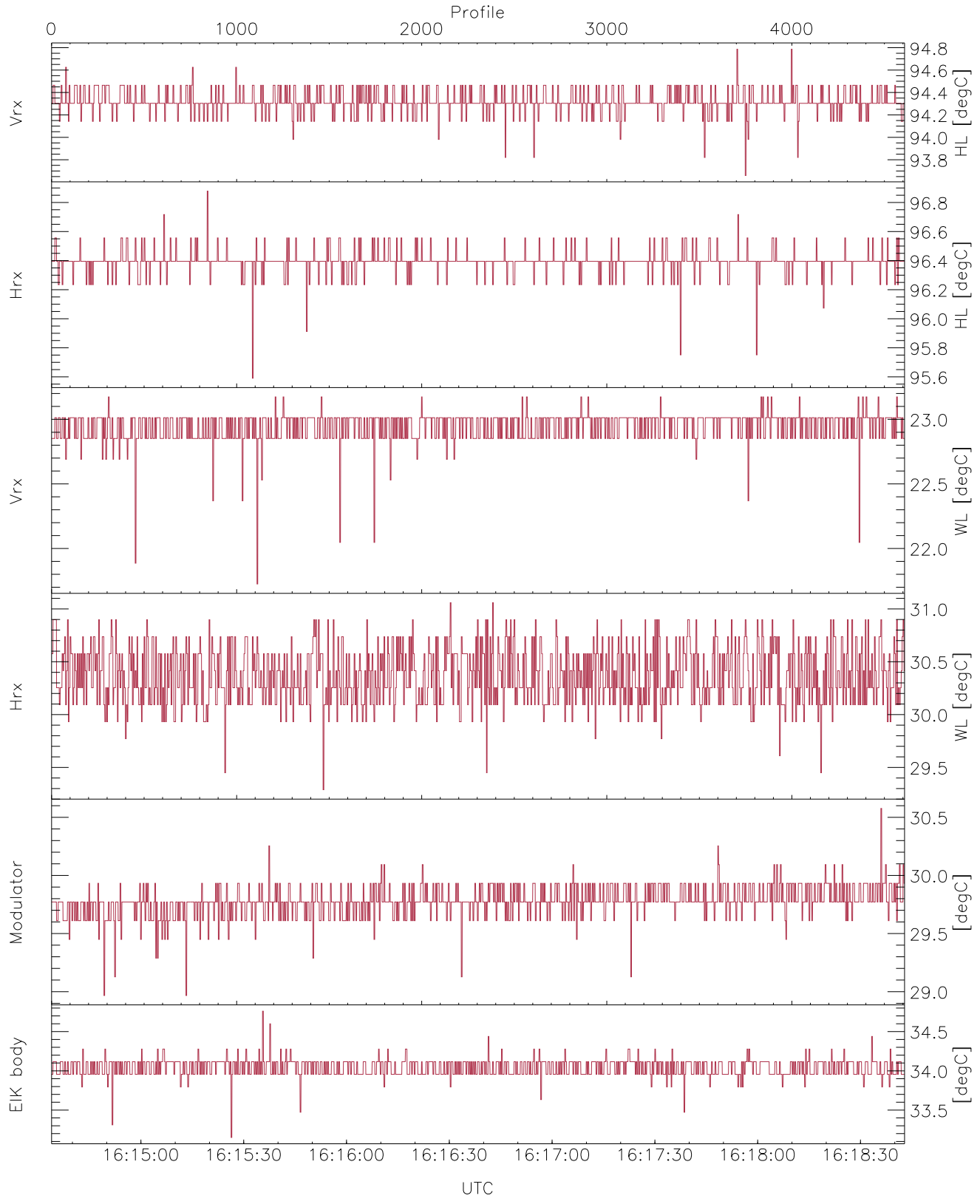



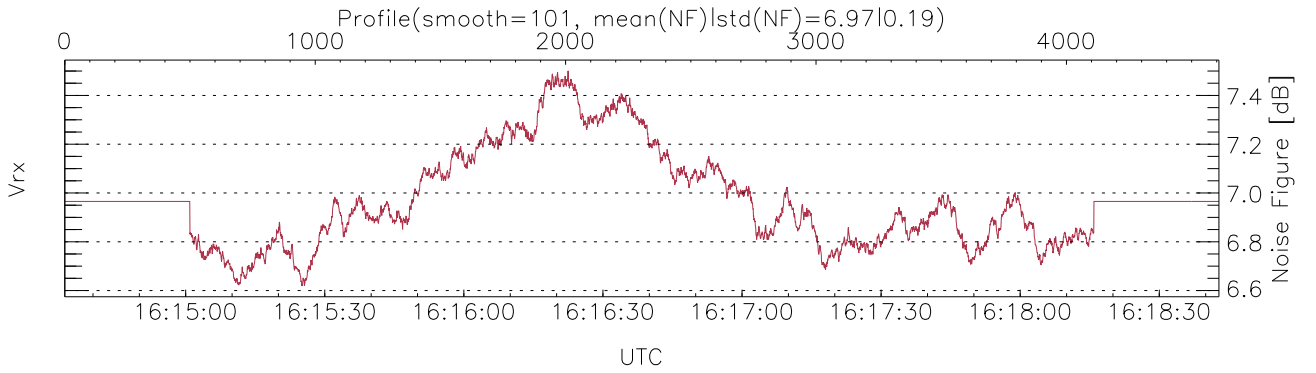

## WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

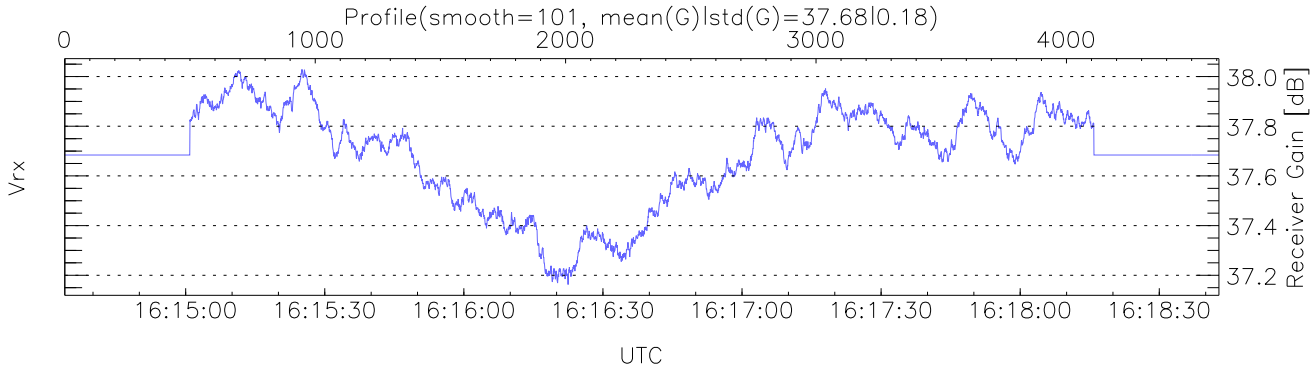
UTC: 16:14:34-16:18:43, Dur: 248.95s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 54.0,54.0,54.0,0.0 ms / 19,19,19
NumRec(r/t): 4610/4610, 0-4609/16:14:34-16:18:43
AcqTime: 54.0ms, Rate: 287KB/s, Averages: 180
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,6037,15.0 m, Gates: 396, Aspect: 3.1
Mirror(-9|0|1|2,3,9x = no mirror|sideup|error): 1

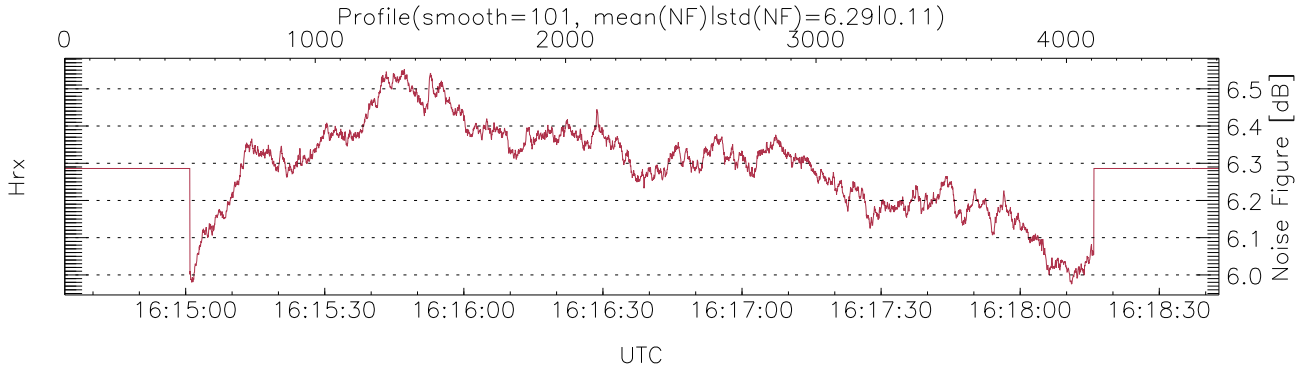


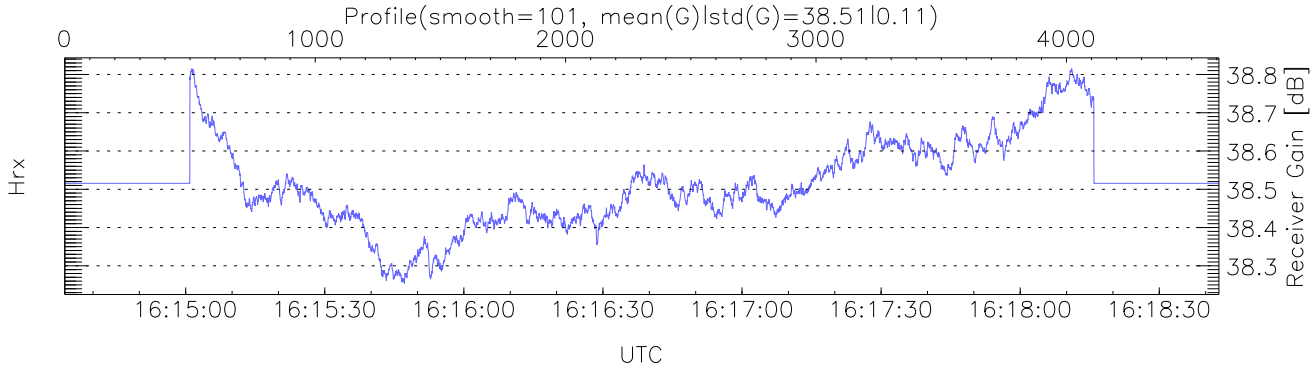

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,21,29,28,33
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,96,23,31,30,34
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty (15,10,15,15,10)



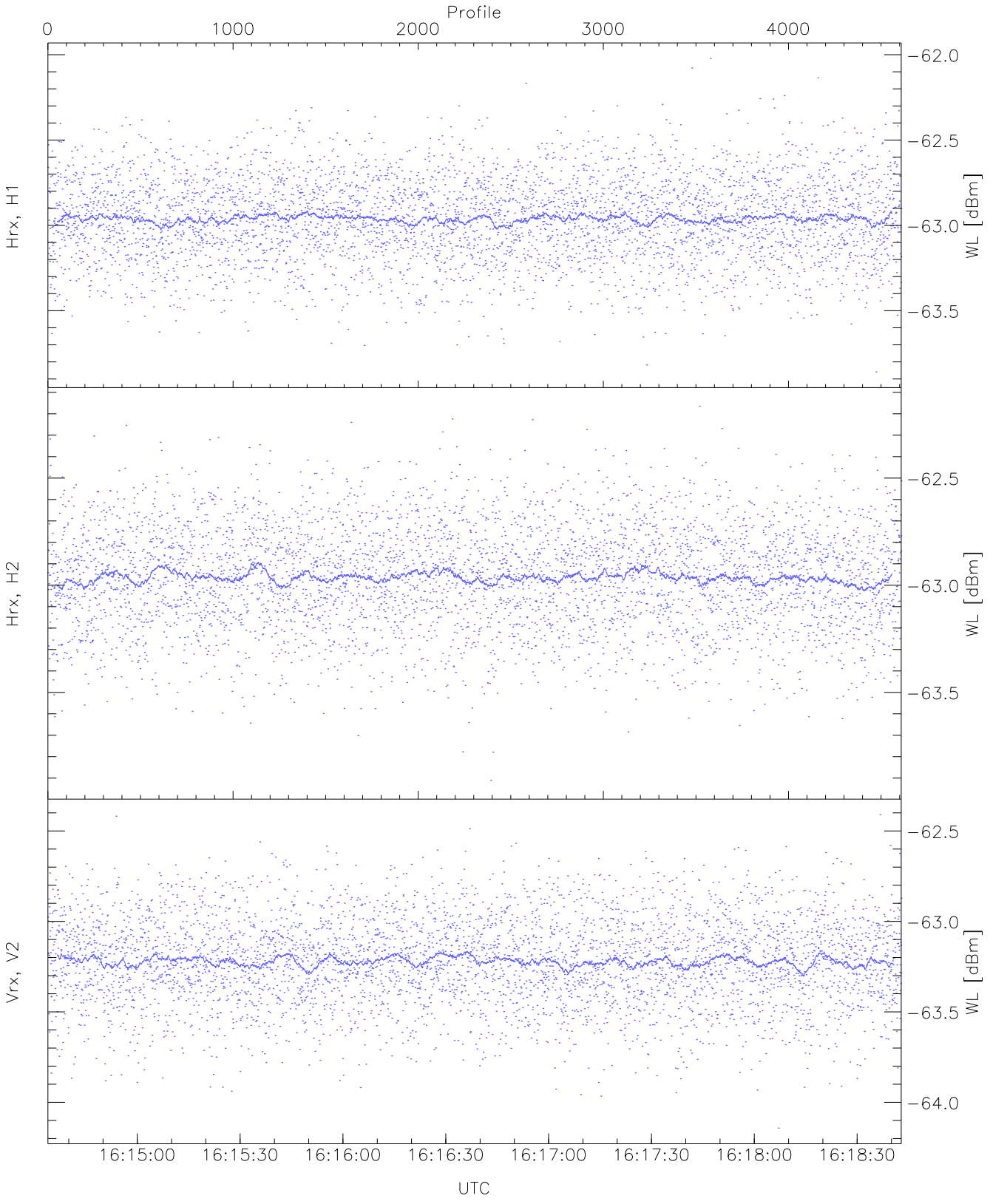



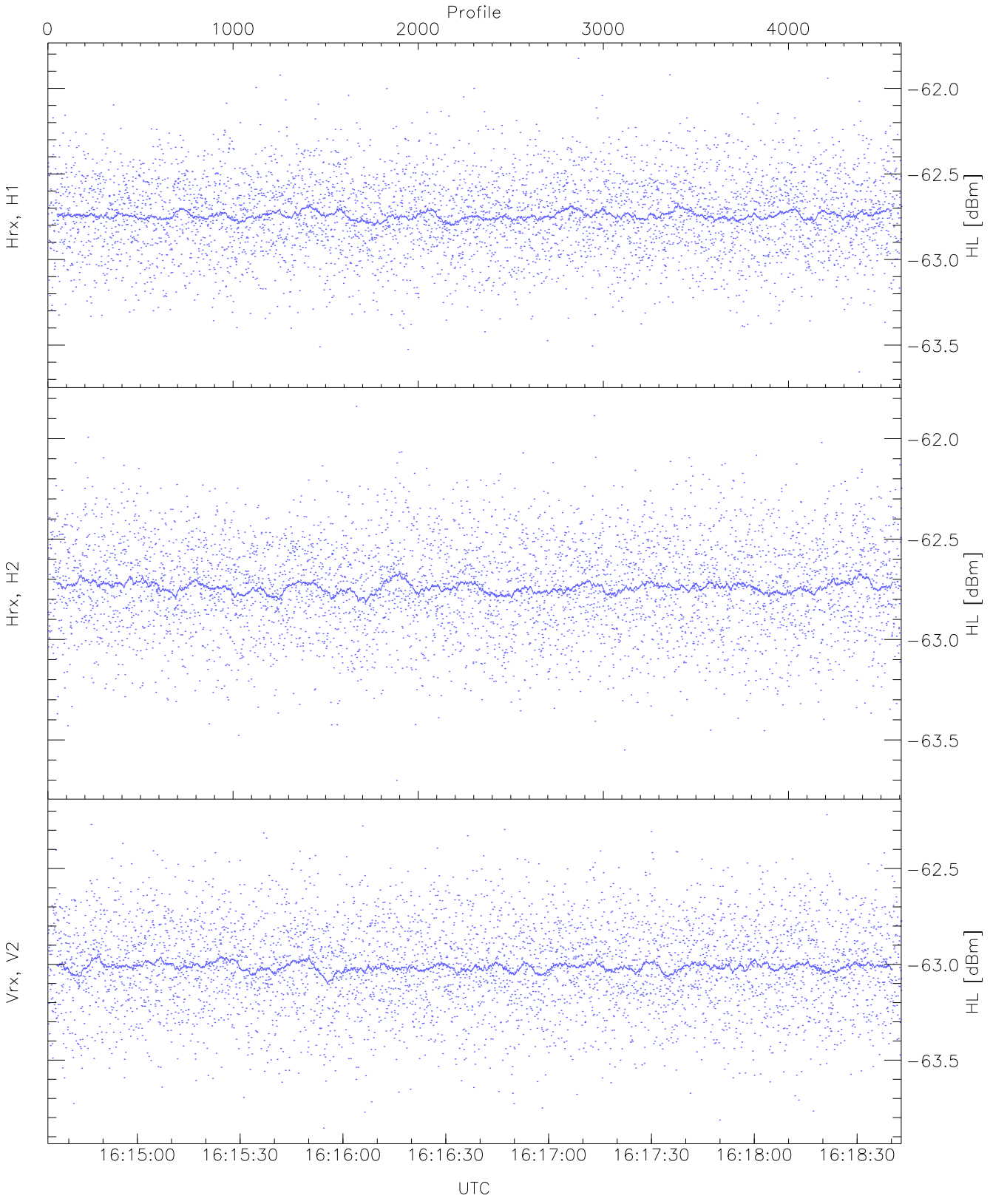

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 880 pixs, 35 gates, 857 profs, 2 prods



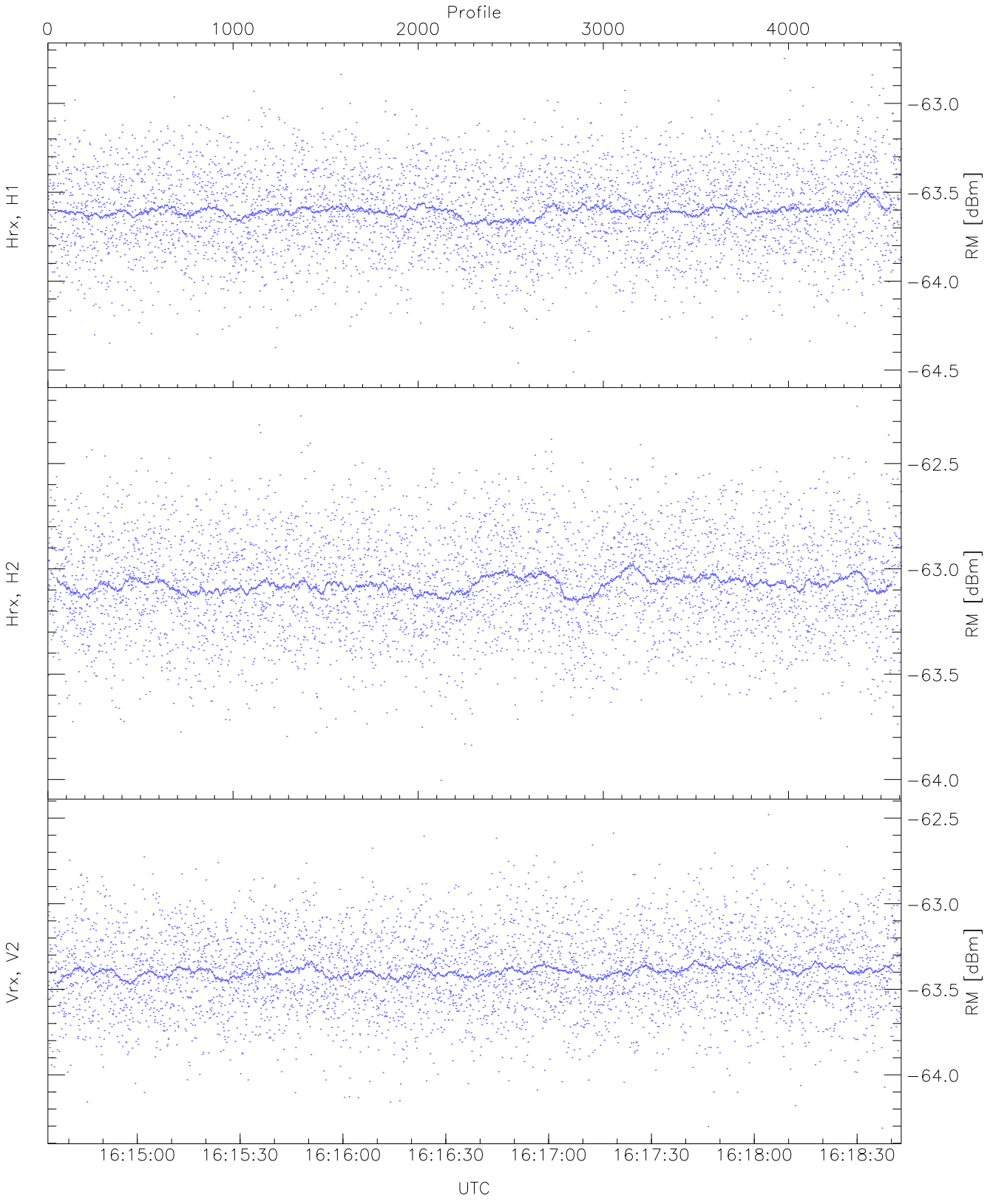

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -63.86 | -62.02 | -62.96 | -62.96 | -75.60 |
| Hrx, H2(WL [dBm]) | -63.91 | -62.17 | -62.96 | -62.96 | -75.71 |
| Vrx, V2(WL [dBm]) | -64.14 | -62.41 | -63.22 | -63.22 | -75.90 |



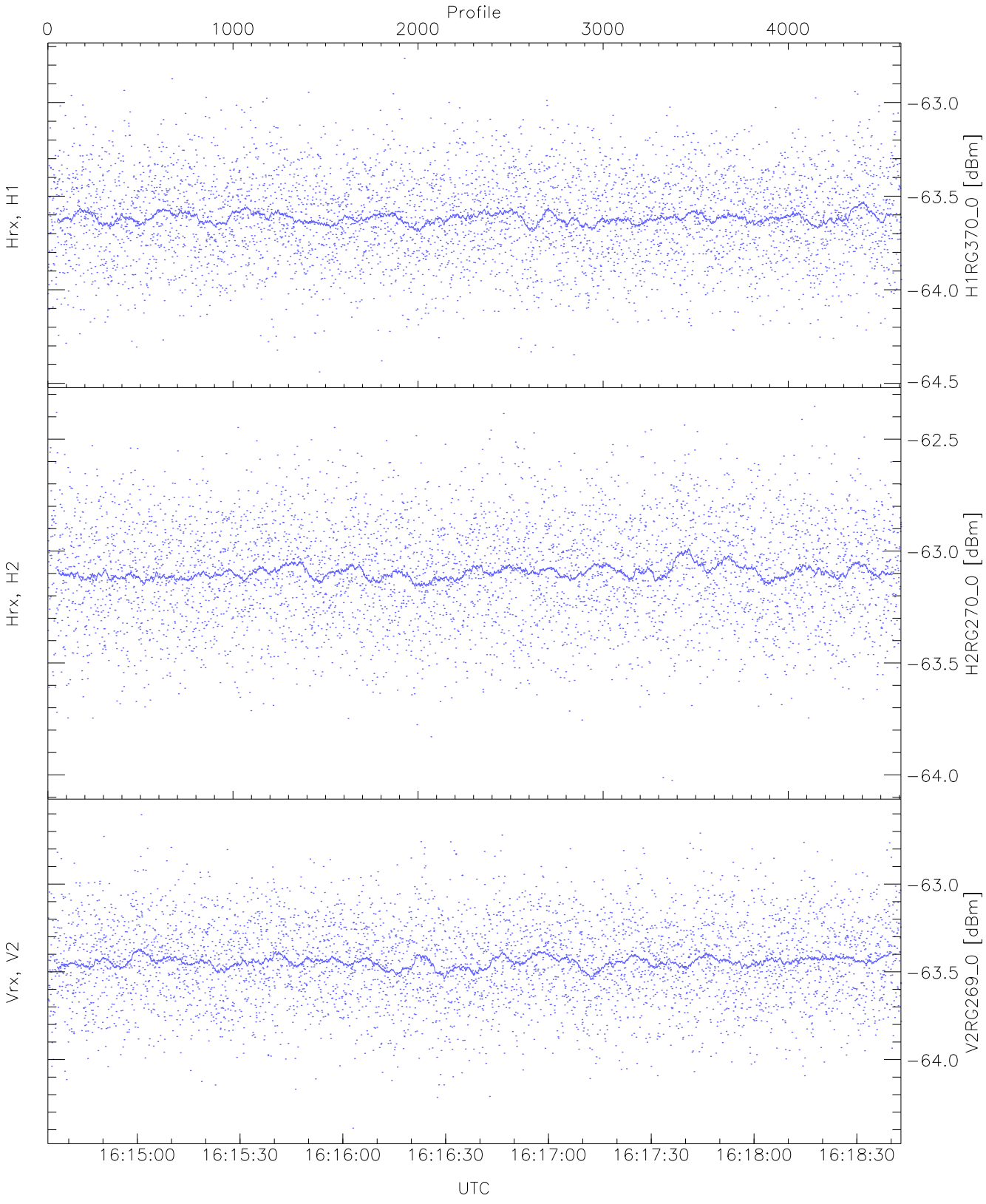

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -63.66 | -61.83 | -62.74 | -62.74 | -75.50 |
| Hrx, H2(HL [dBm]) | -63.70 | -61.84 | -62.74 | -62.74 | -75.44 |
| Vrx, V2(HL [dBm]) | -63.85 | -62.22 | -63.01 | -63.01 | -75.75 |



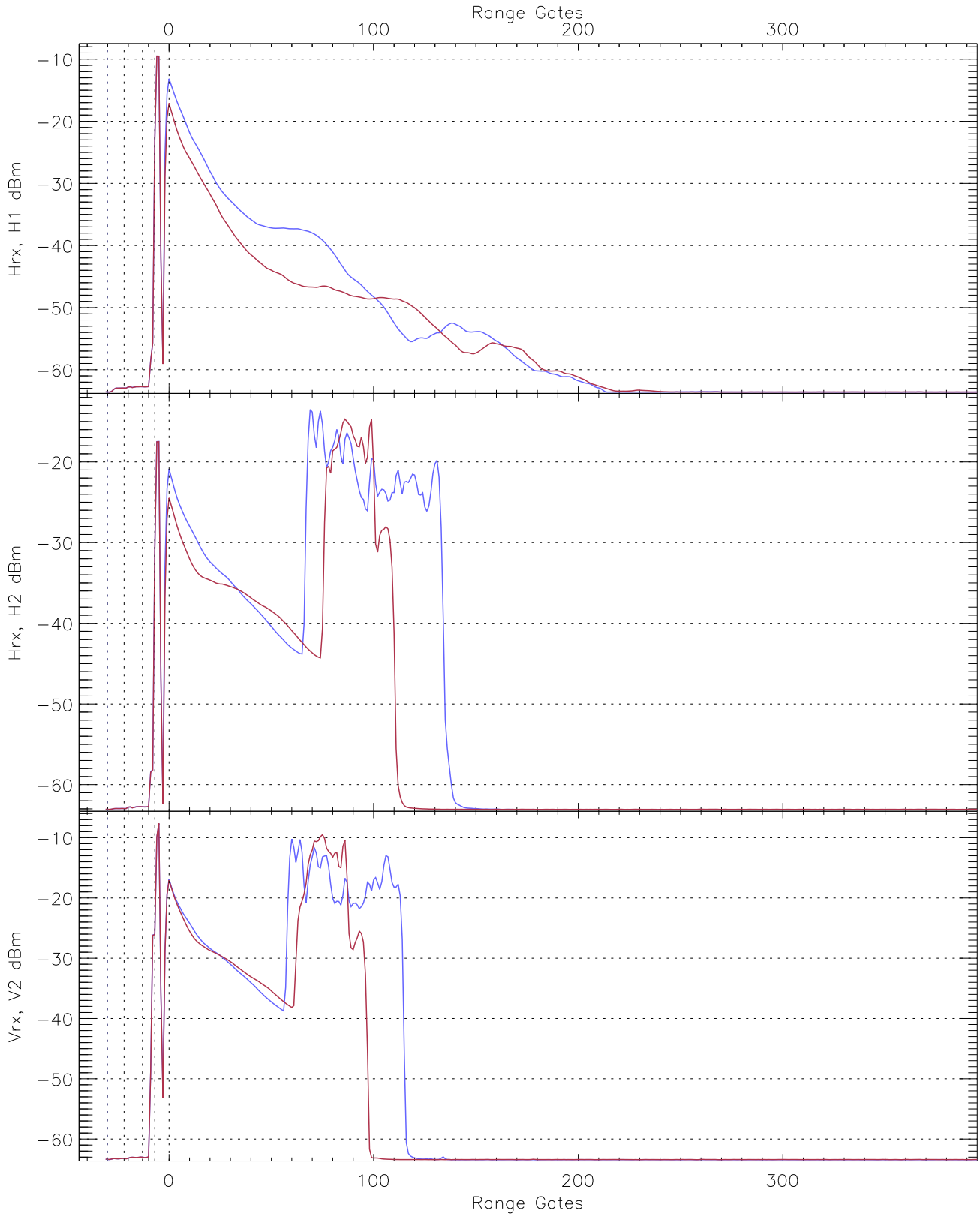

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -64.51 | -62.75 | -63.60 | -63.60 | -76.32 |
| Hrx, H2(RM [dBm]) | -64.00 | -62.23 | -63.07 | -63.07 | -75.73 |
| Vrx, V2(RM [dBm]) | -64.31 | -62.48 | -63.39 | -63.40 | -76.08 |

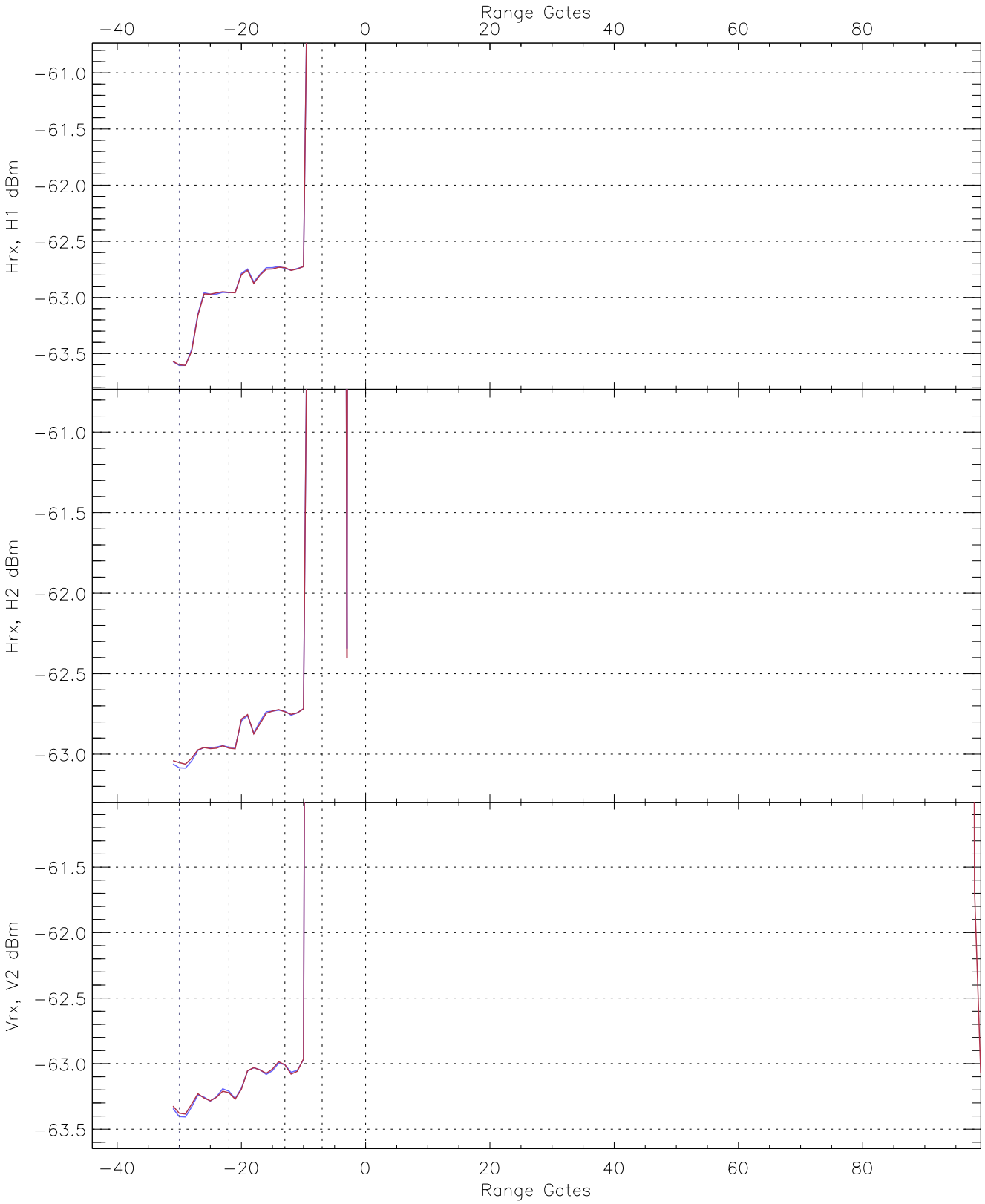



WCR2 CPP "Best" estimate Receivers Noise Power

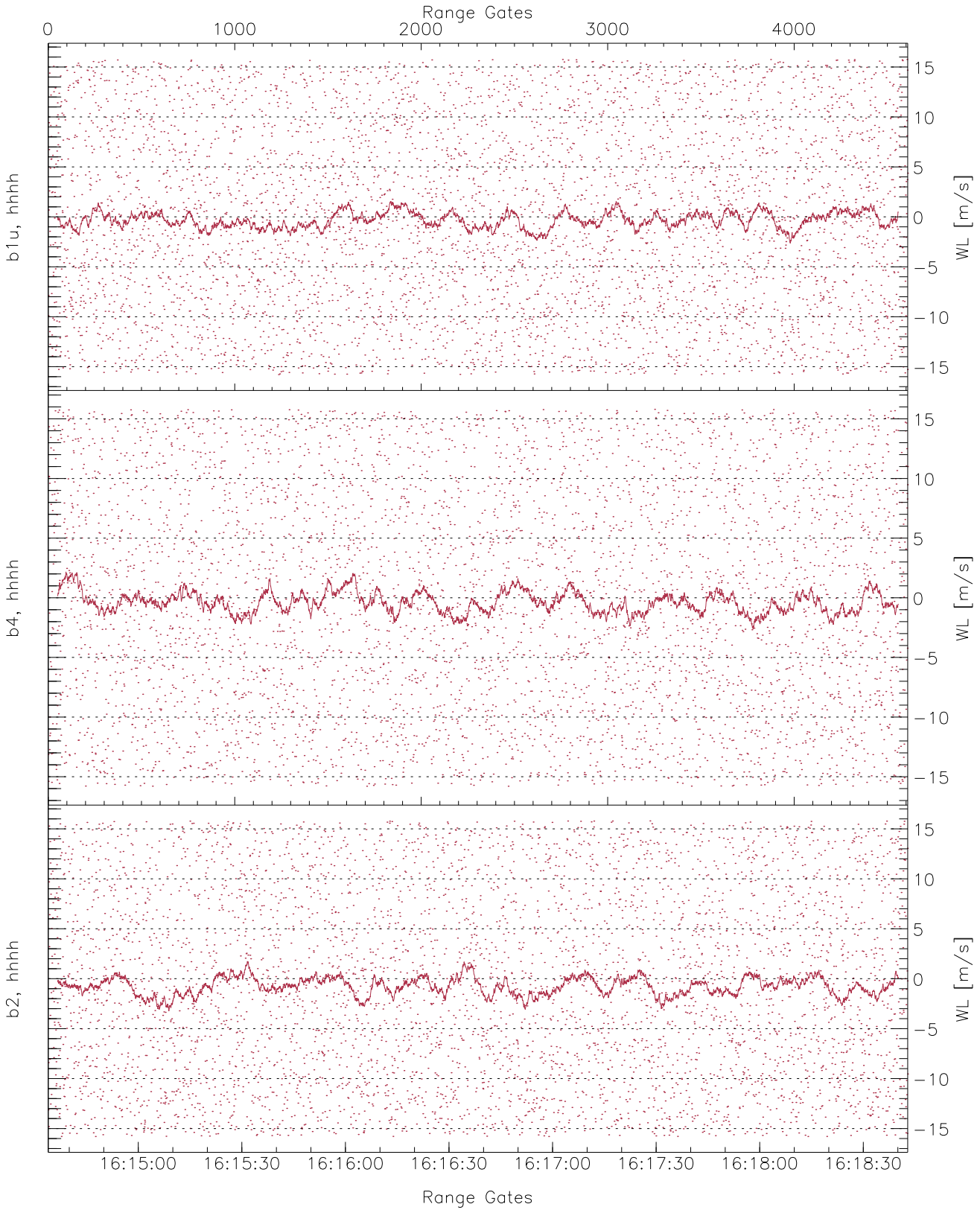
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG370_0 [dBm] | -64.44 | -62.77 | -63.61 | -63.62 | -76.32 |
| H2RG270_0 [dBm] | -64.02 | -62.35 | -63.09 | -63.09 | -75.85 |
| V2RG269_0 [dBm] | -64.39 | -62.61 | -63.44 | -63.45 | -76.11 |



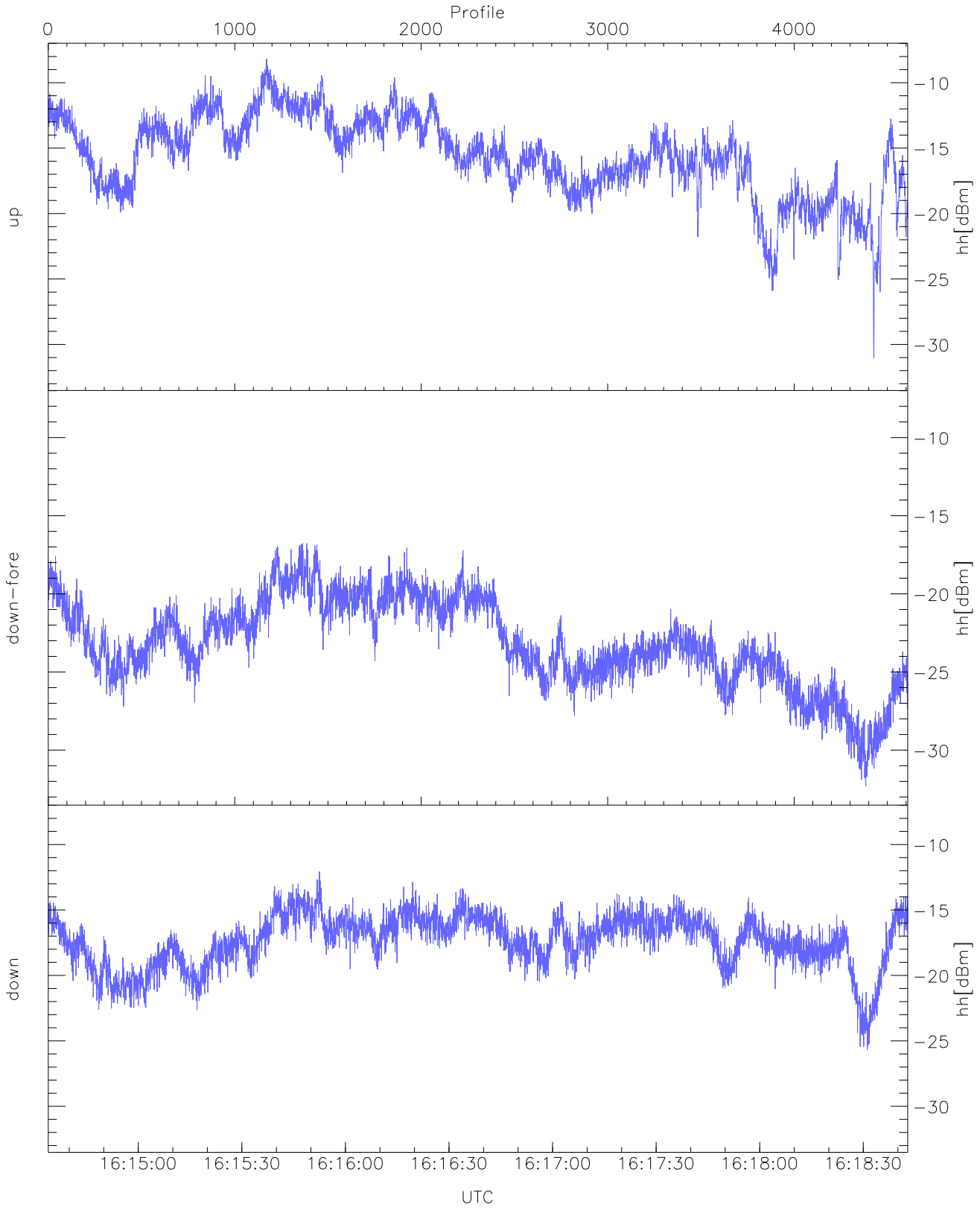

WCR2 CPP Averaged Received power for all recorded gates
blue: 161434-161638, 2306 profiles averaged
red: 161638-161843, 2305 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 161434-161638, 2306 profiles averaged
red: 161638-161843, 2305 profiles averaged

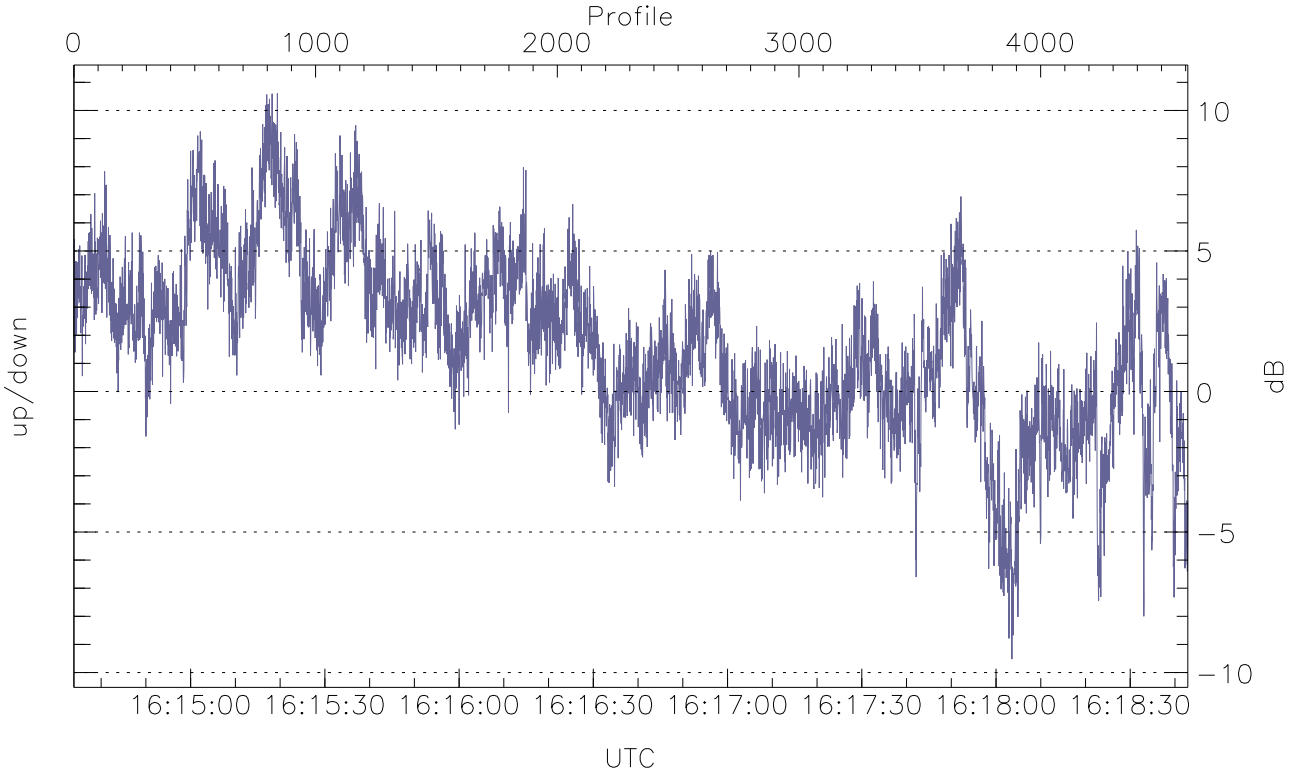


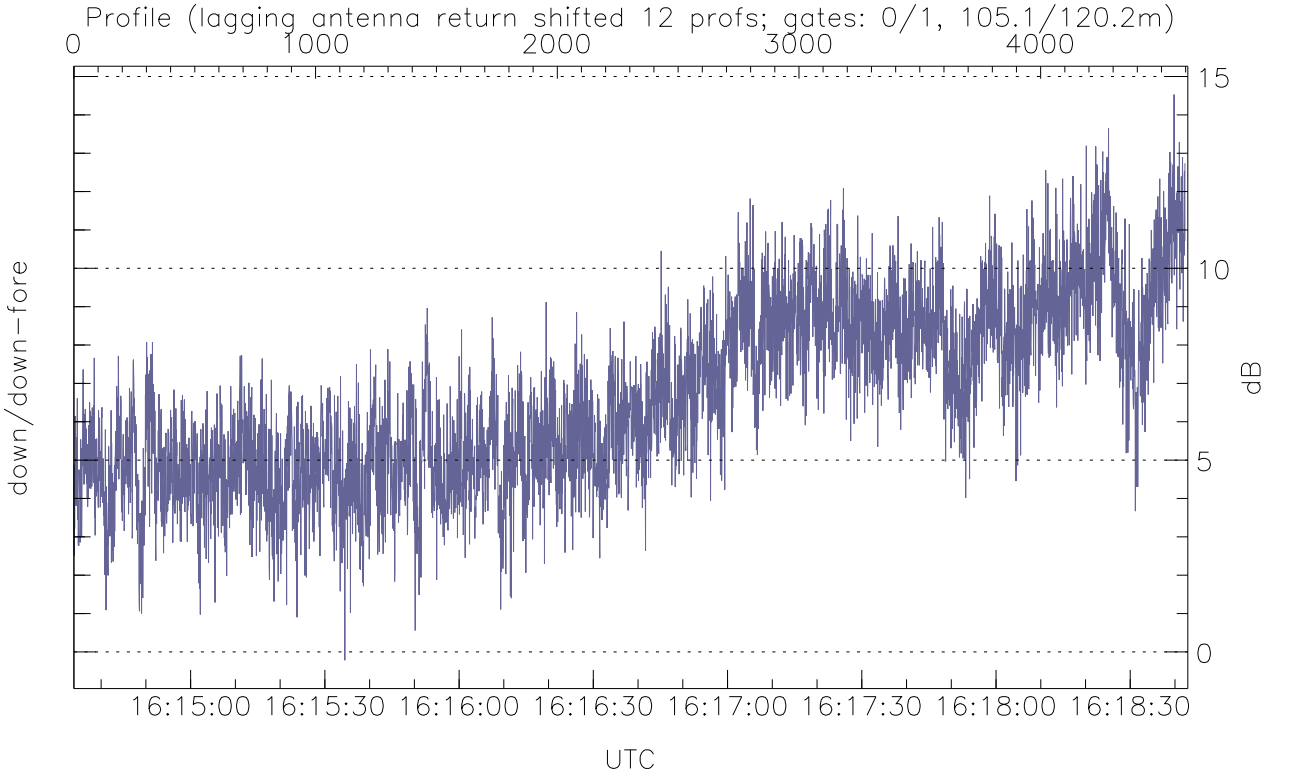

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

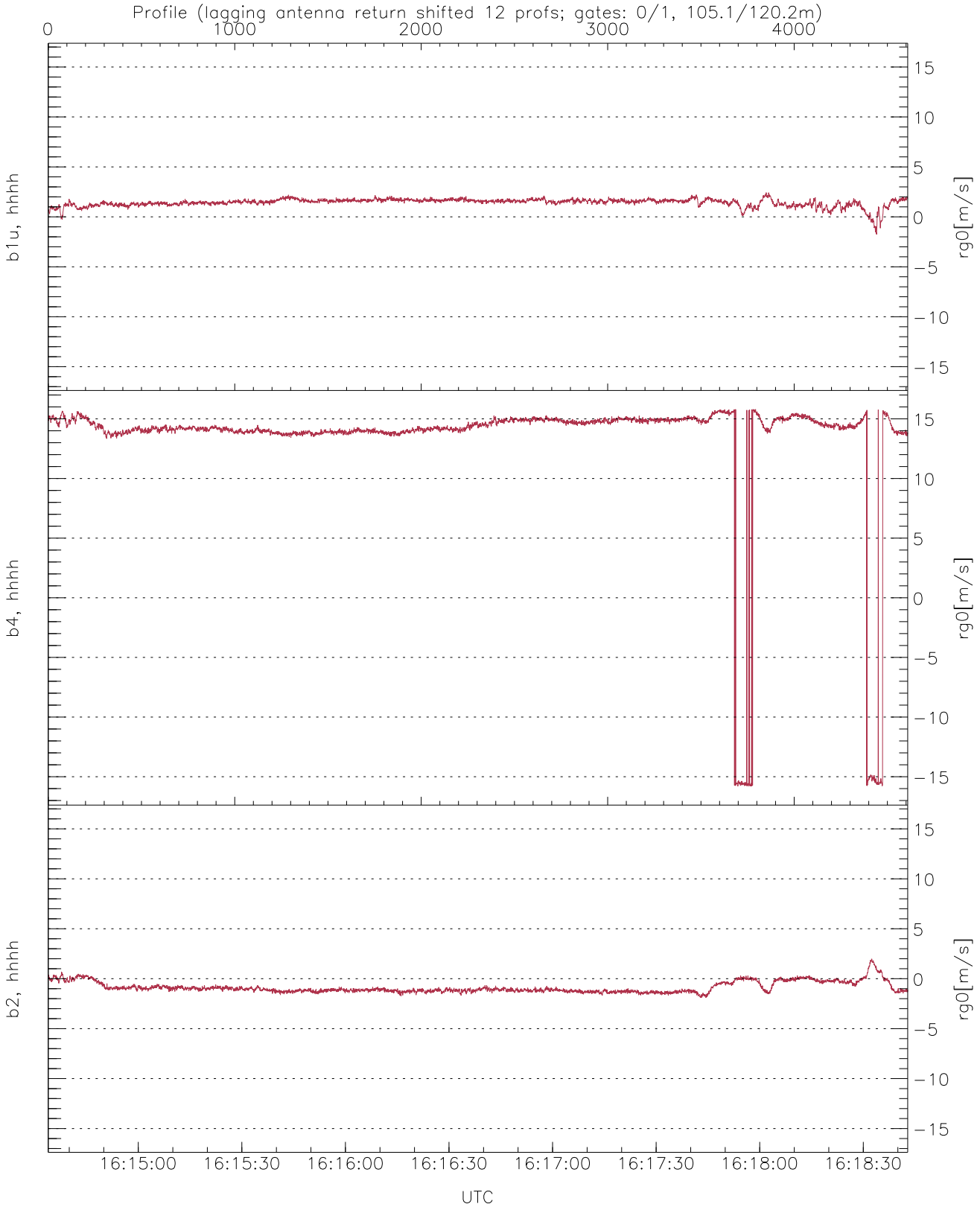
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -31.03 | -8.19 | -14.69 |
| down-fore(hh[dBm]) | -32.31 | -16.76 | -22.31 |
| down(hh[dBm]) | -25.69 | -12.07 | -16.96 |




WCR2 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -9.52 | 10.61 | 1.70 |
| down/down-fore(dB) | -0.22 | 14.53 | 6.67 |




WCR2 CPP Doppler Velocity Products at 105.1 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg0[m/s]) | -1.76 | 2.43 | 1.42 | 0.41 |
| b4, hhhh(rg0[m/s]) | -15.80 | 15.80 | 13.34 | 5.73 |
| b2, hhhh(rg0[m/s]) | -1.91 | 1.98 | -0.87 | 0.56 |