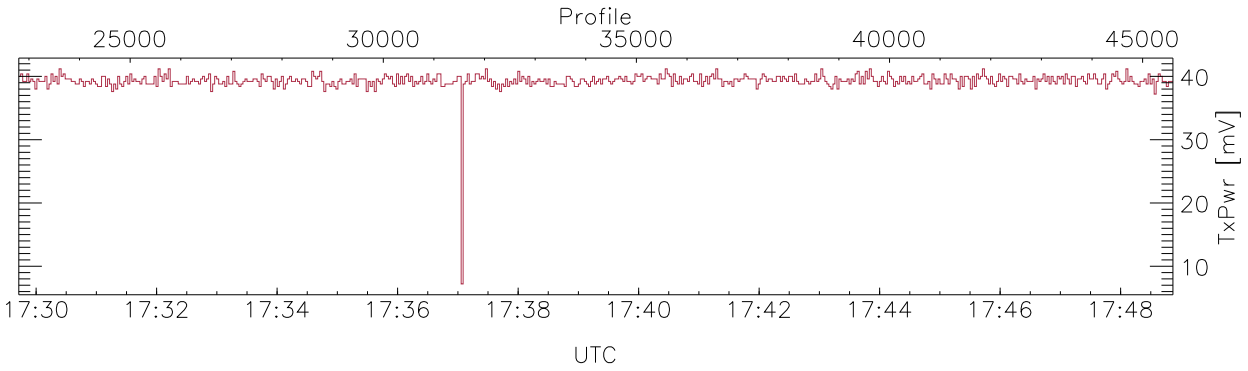
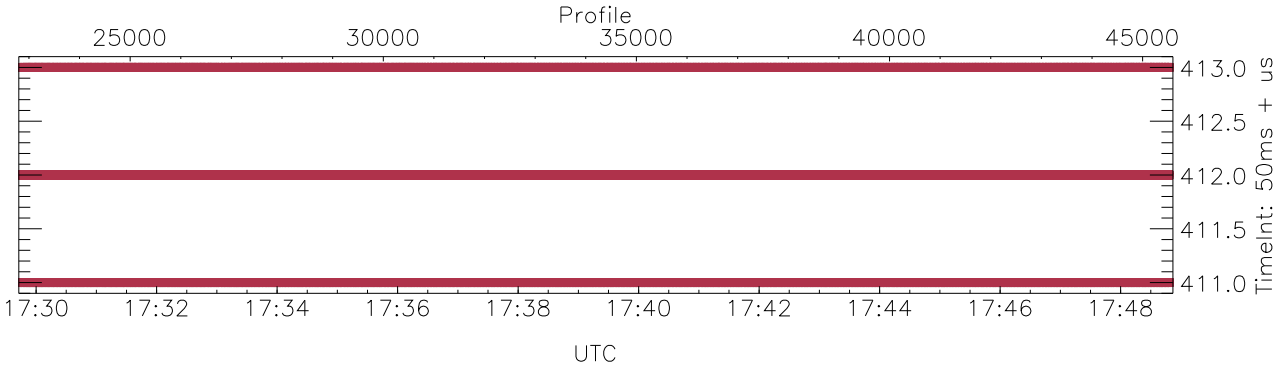
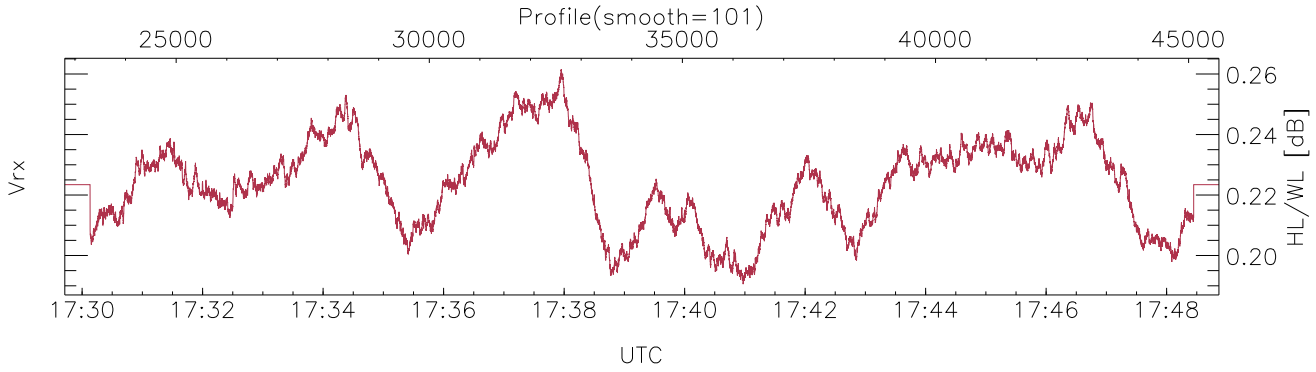
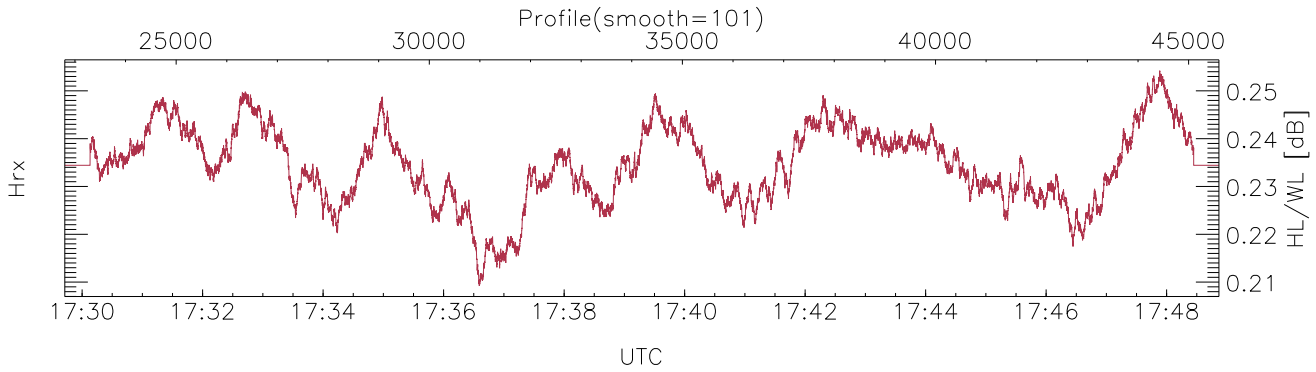


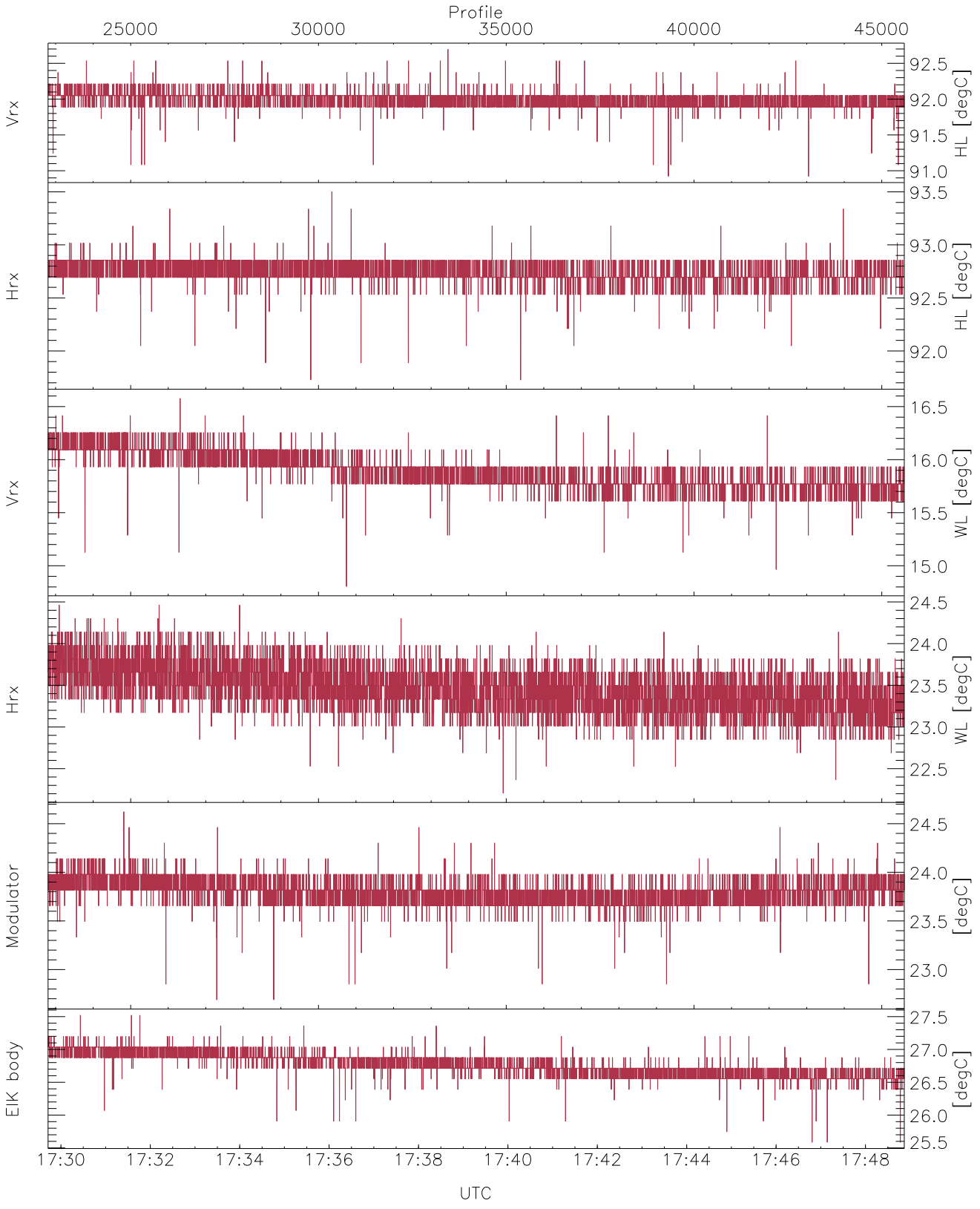



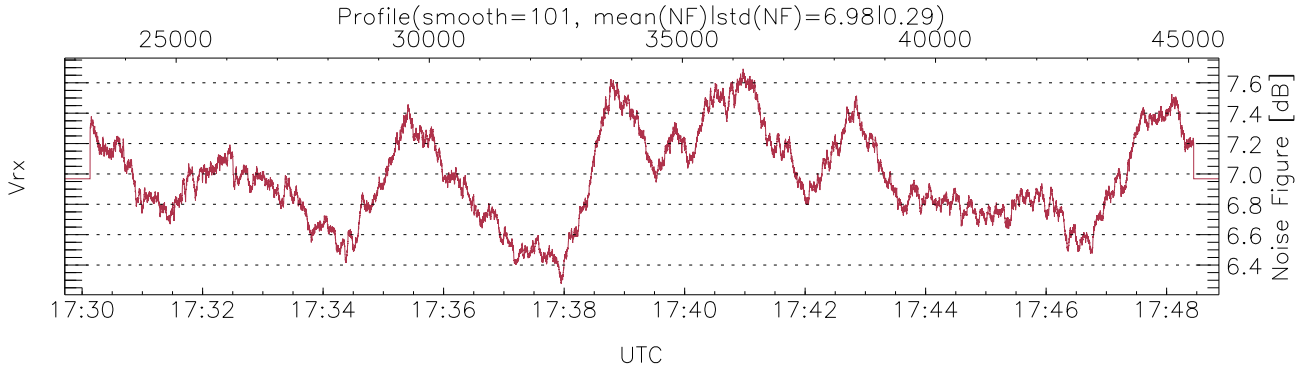

WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

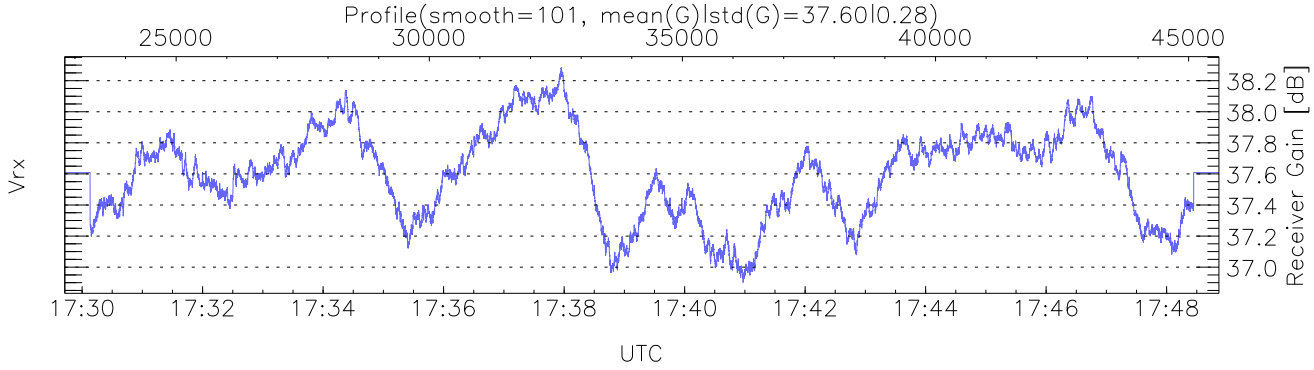
UTC: 17:10:33-18:00:03, Dur: 2969.96s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
NumRec(r/t): 22800/58914, 22800-45599/17:29:43-17:48:52
AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1

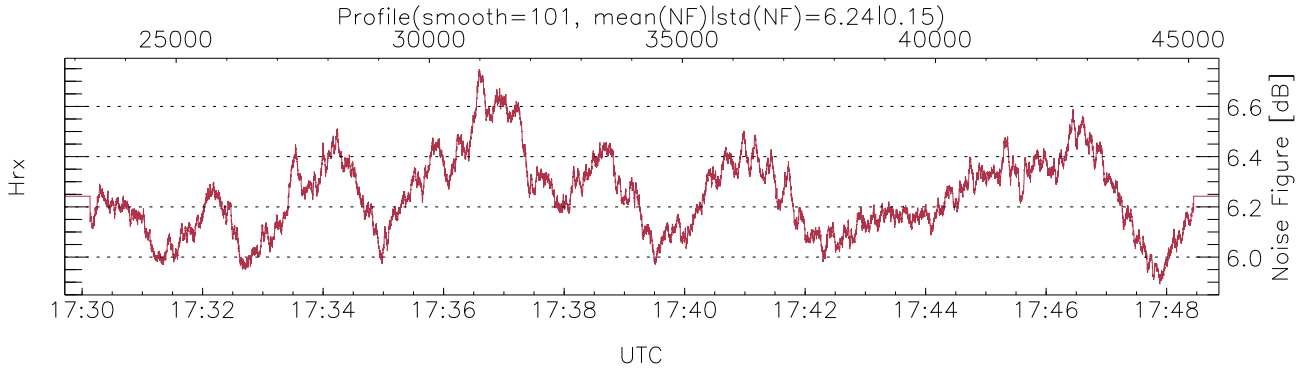


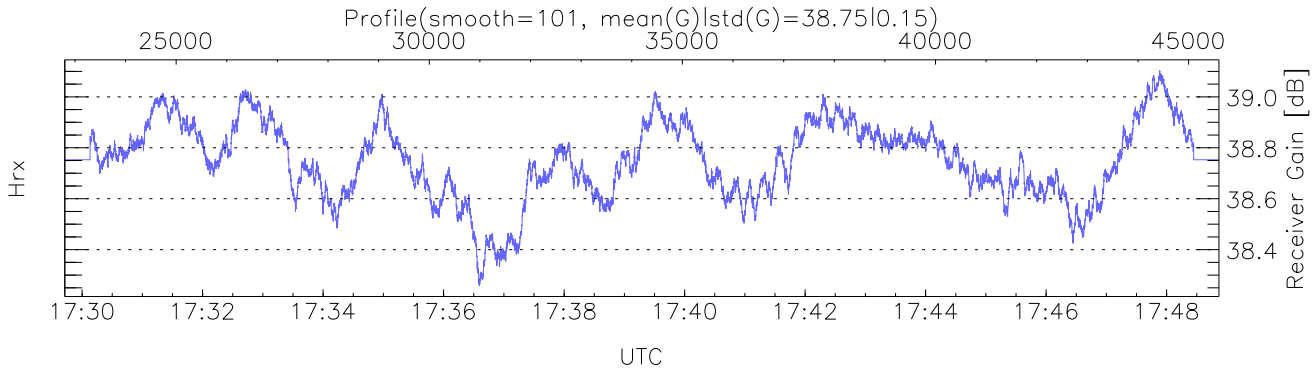

WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,14,22,22,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,16,24,24,27
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty (10,10,10,10,10)



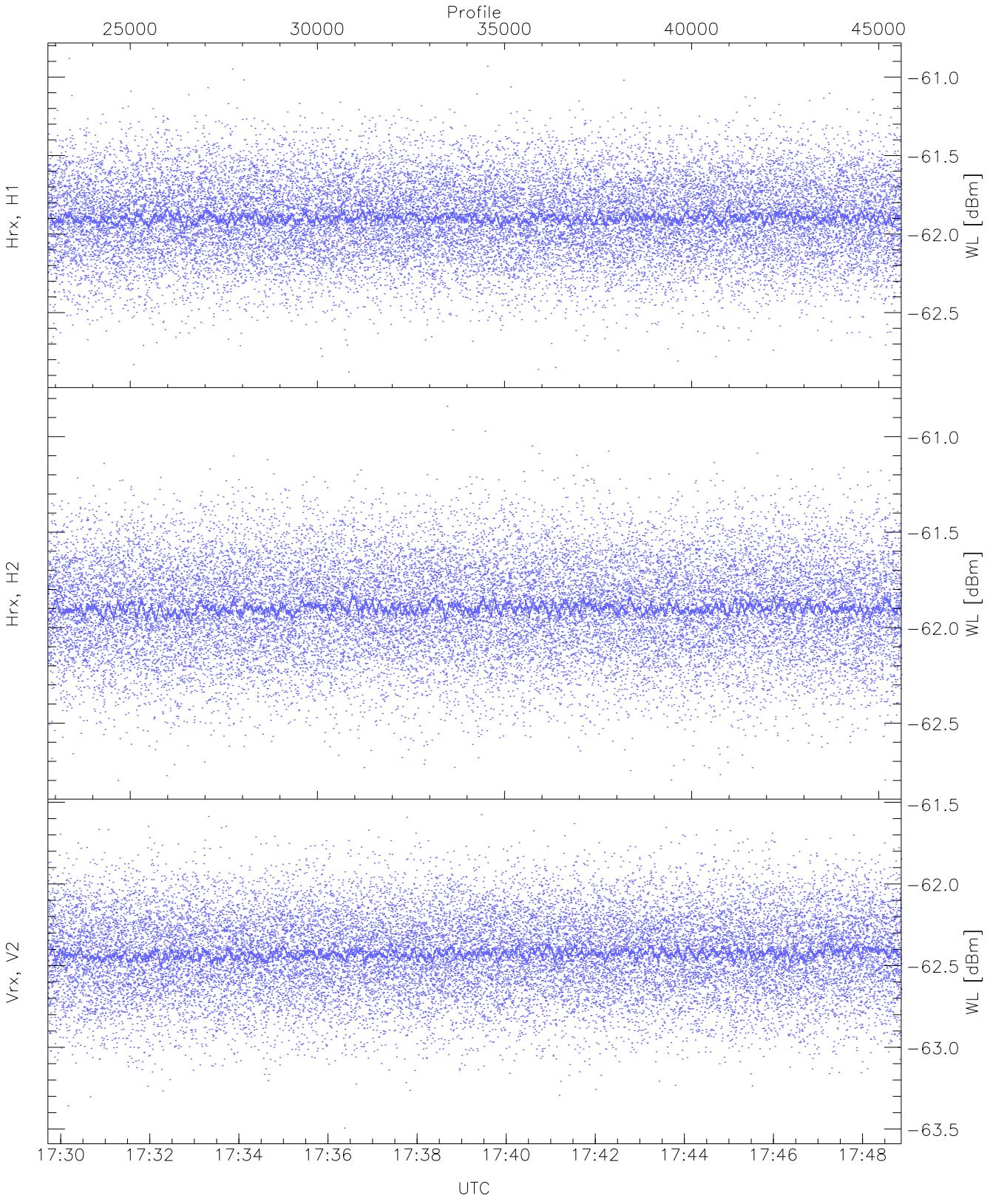



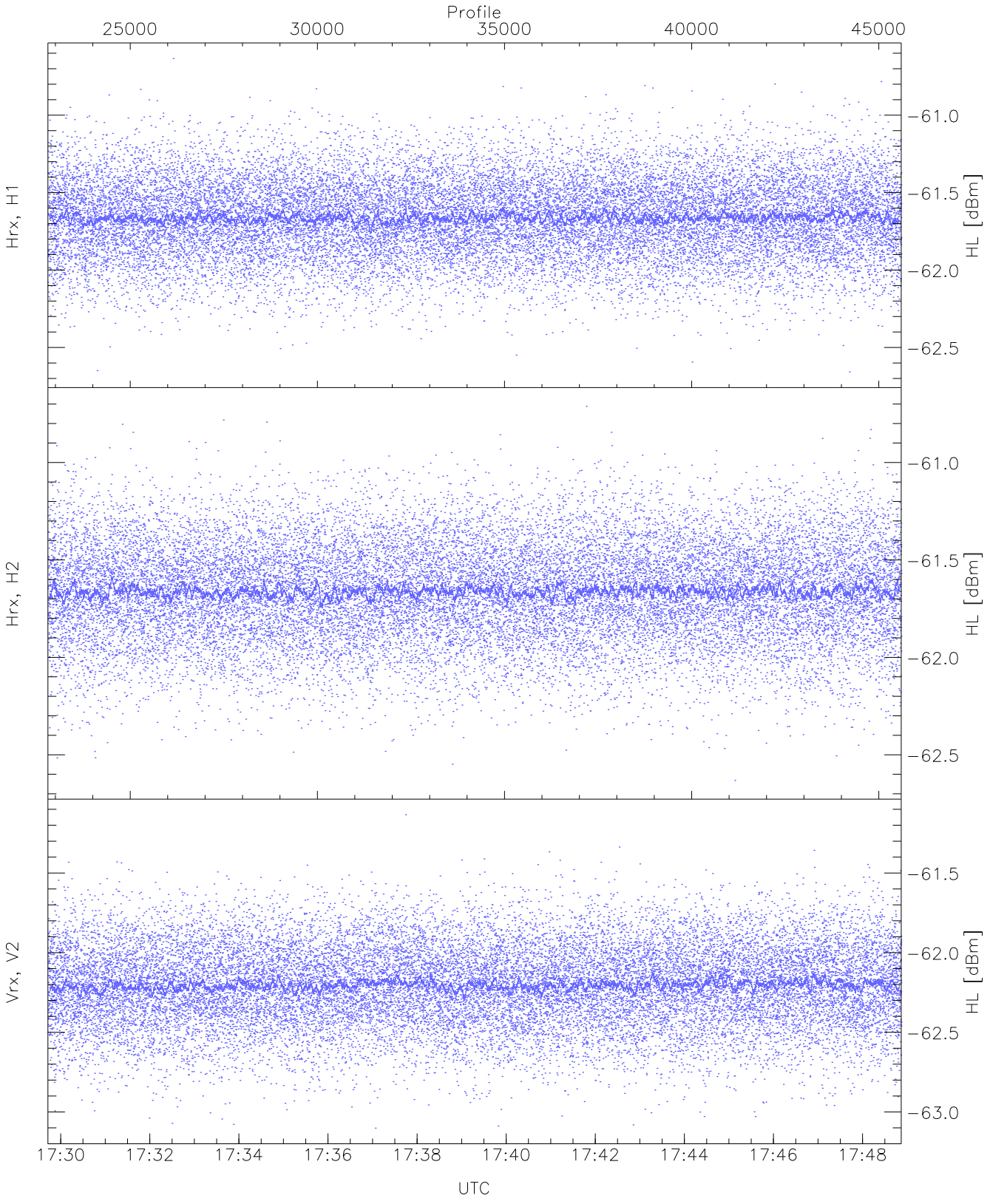

WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 24576 pixs, 4 gates, 20425 profs, 1 prods



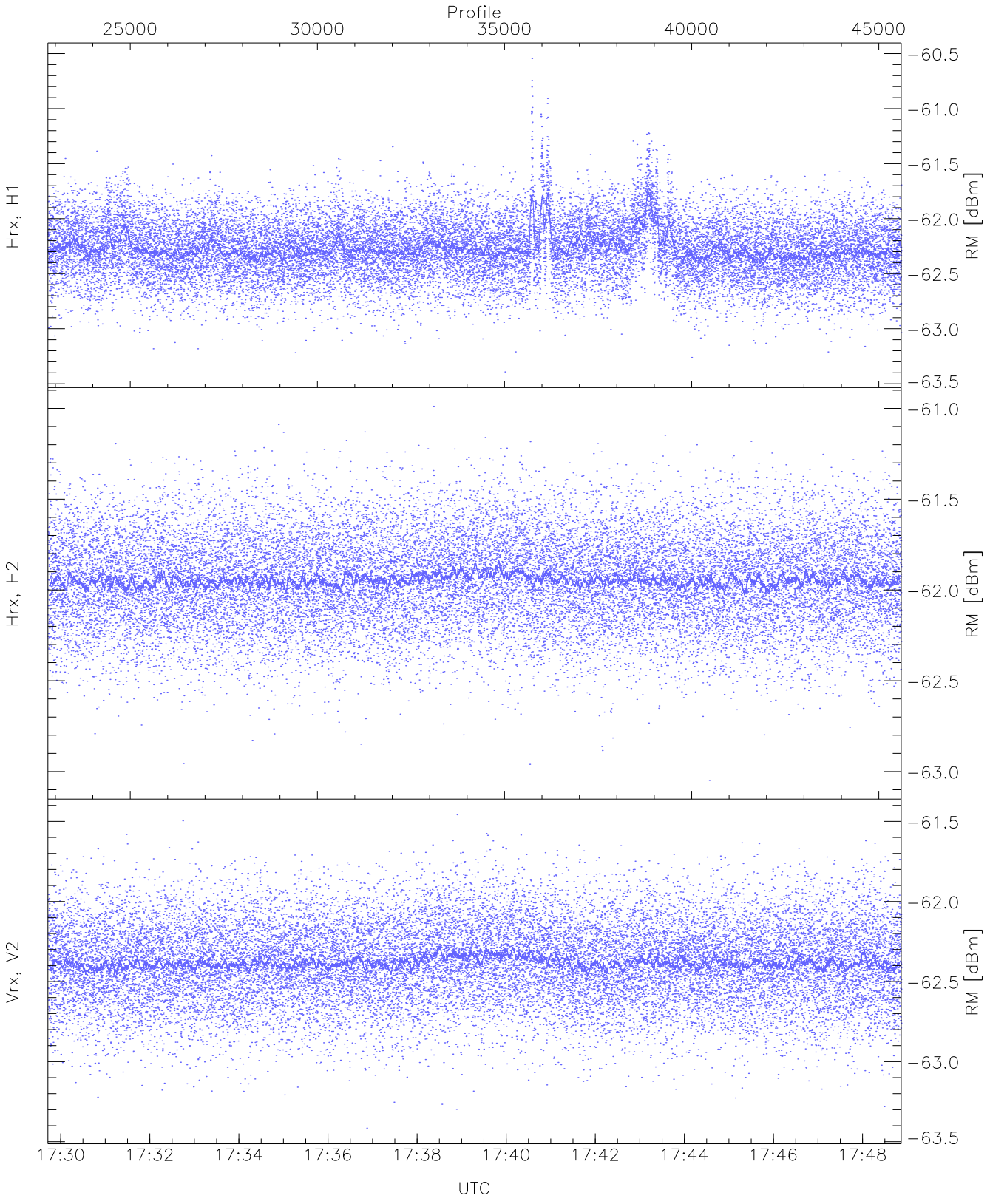

WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(WL [dBm]) | -62.88 | -60.88 | -61.89 | -61.90 | -74.45 |
| Hrx, H2(WL [dBm]) | -62.80 | -60.84 | -61.89 | -61.90 | -74.47 |
| Vrx, V2(WL [dBm]) | -63.49 | -61.58 | -62.42 | -62.43 | -75.00 |



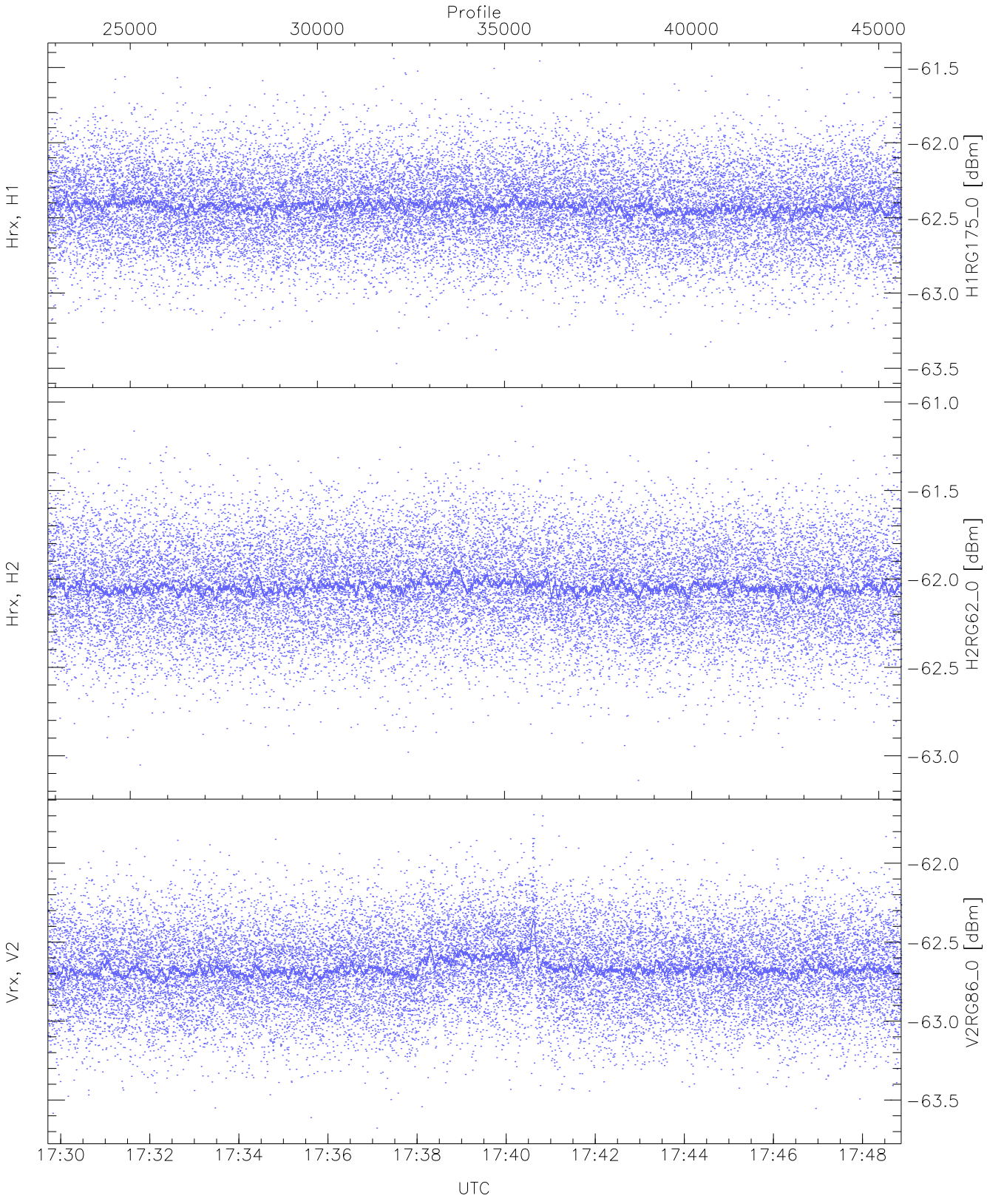

WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(HL [dBm]) | -62.66 | -60.63 | -61.66 | -61.66 | -74.25 |
| Hrx, H2(HL [dBm]) | -62.63 | -60.71 | -61.66 | -61.66 | -74.26 |
| Vrx, V2(HL [dBm]) | -63.10 | -61.13 | -62.20 | -62.20 | -74.76 |



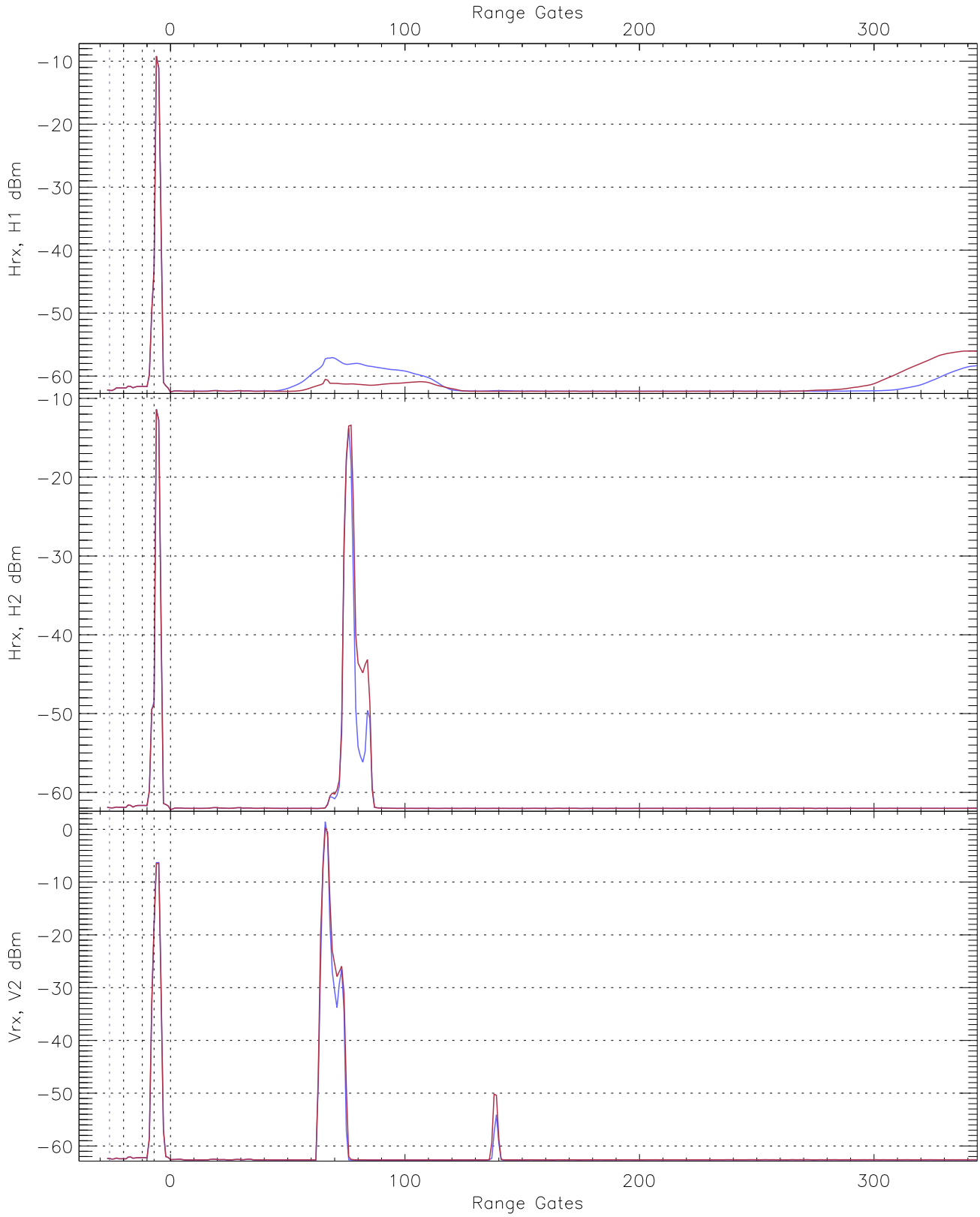

WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| Hrx, H1(RM [dBm]) | -63.39 | -60.55 | -62.27 | -62.28 | -74.43 |
| Hrx, H2(RM [dBm]) | -63.05 | -60.99 | -61.94 | -61.95 | -74.55 |
| Vrx, V2(RM [dBm]) | -63.42 | -61.46 | -62.38 | -62.38 | -74.97 |

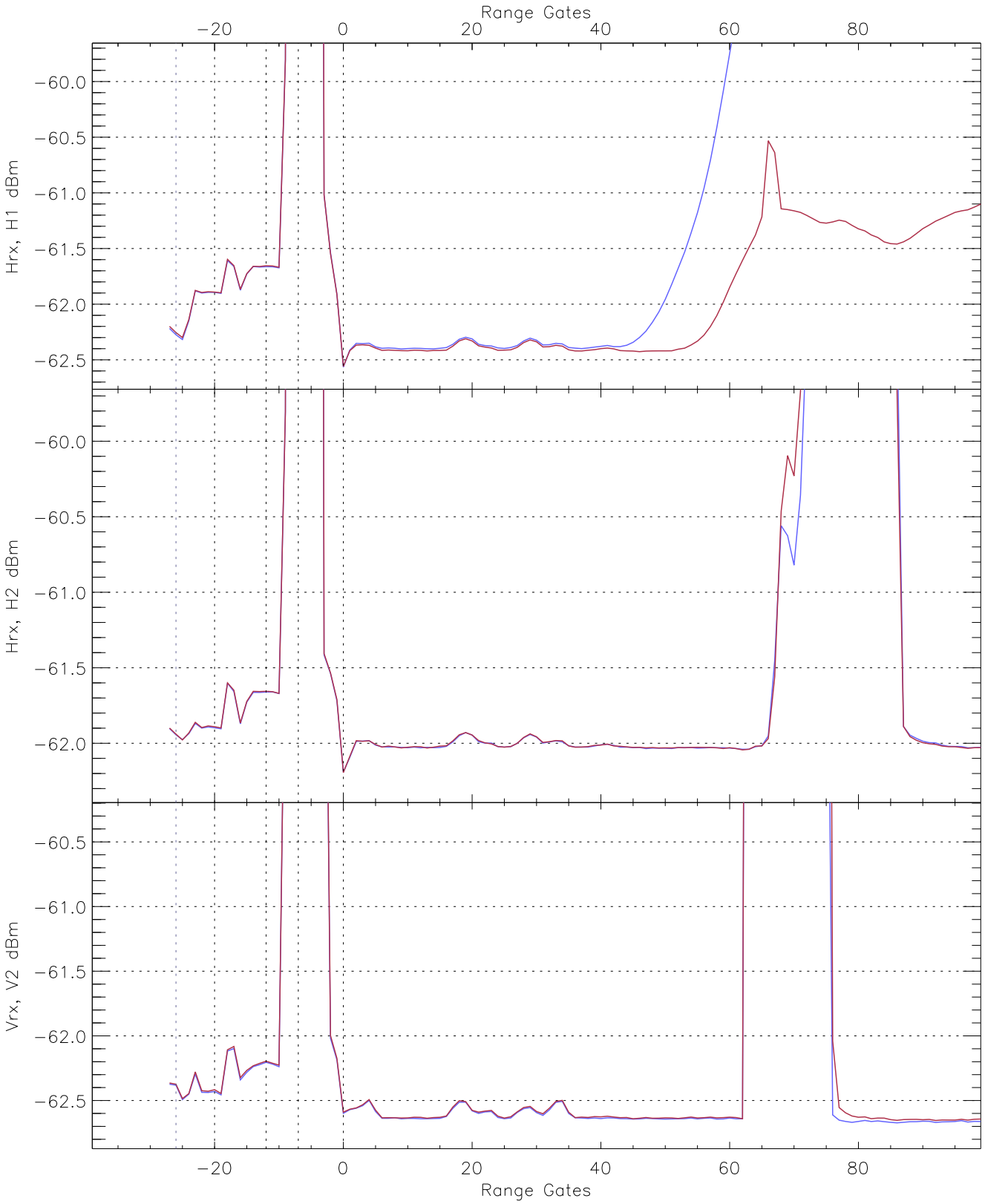



WCR2 CPP "Best" estimate Receivers Noise Power

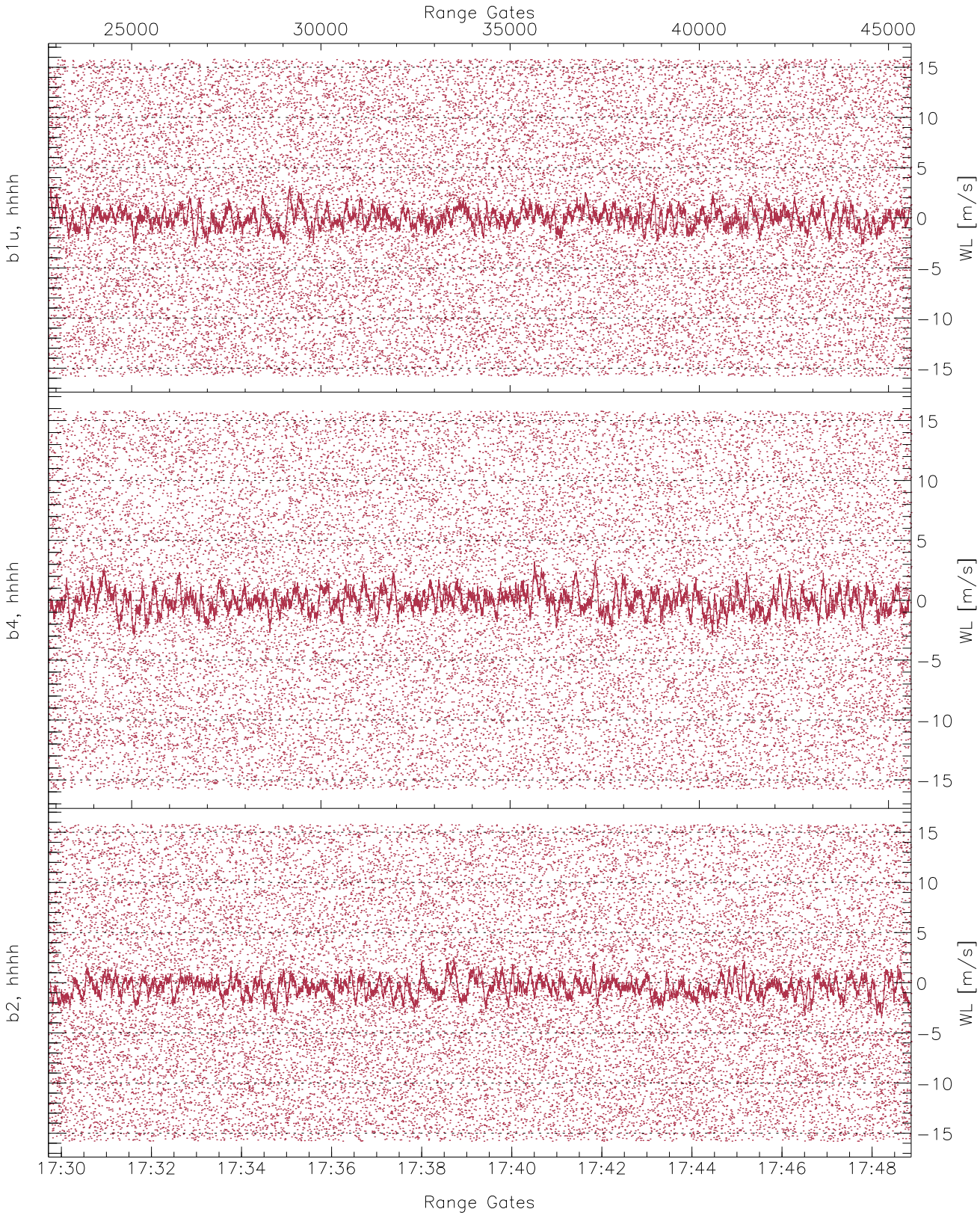
| | Min | Max | Mean | Median | StDev |
|---|---|---|---|---|---|
| H1RG175_0 [dBm] | -63.52 | -61.44 | -62.42 | -62.43 | -74.96 |
| H2RG62_0 [dBm] | -63.14 | -61.02 | -62.04 | -62.05 | -74.56 |
| V2RG86_0 [dBm] | -63.68 | -61.69 | -62.66 | -62.67 | -75.16 |



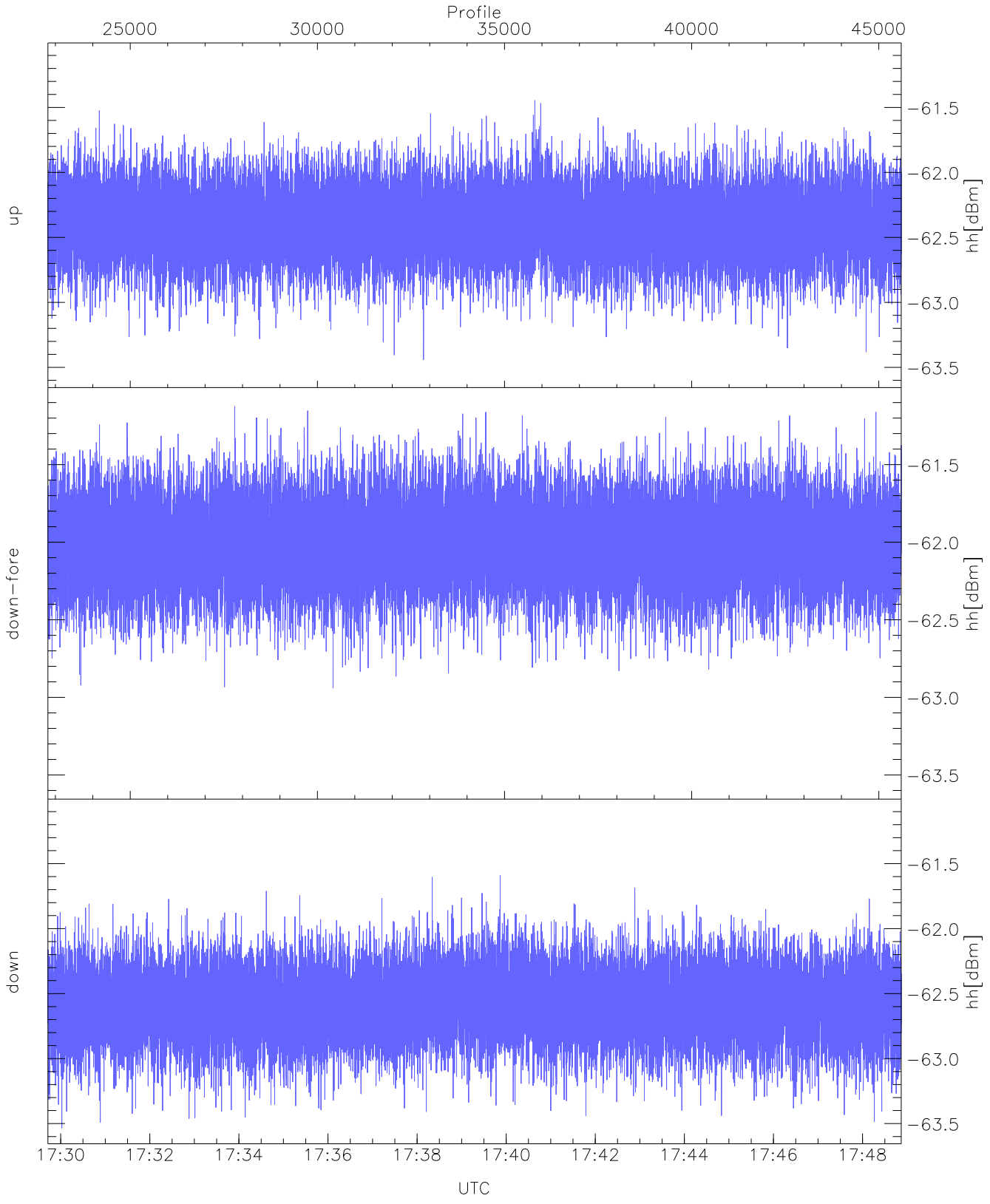

WCR2 CPP Averaged Received power for all recorded gates
blue: 172943-173917, 11401 profiles averaged
red: 173917-174852, 11400 profiles averaged




WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 172943-173917, 11401 profiles averaged
red: 173917-174852, 11400 profiles averaged

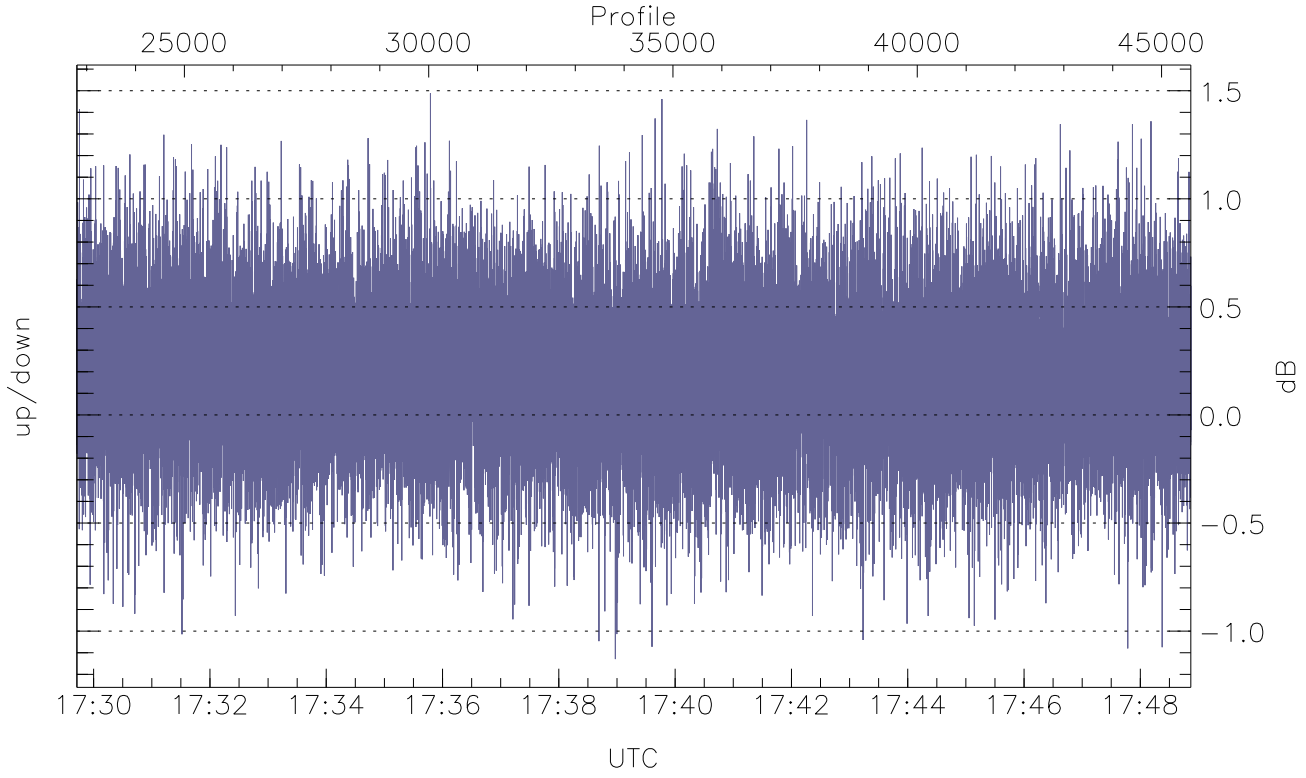


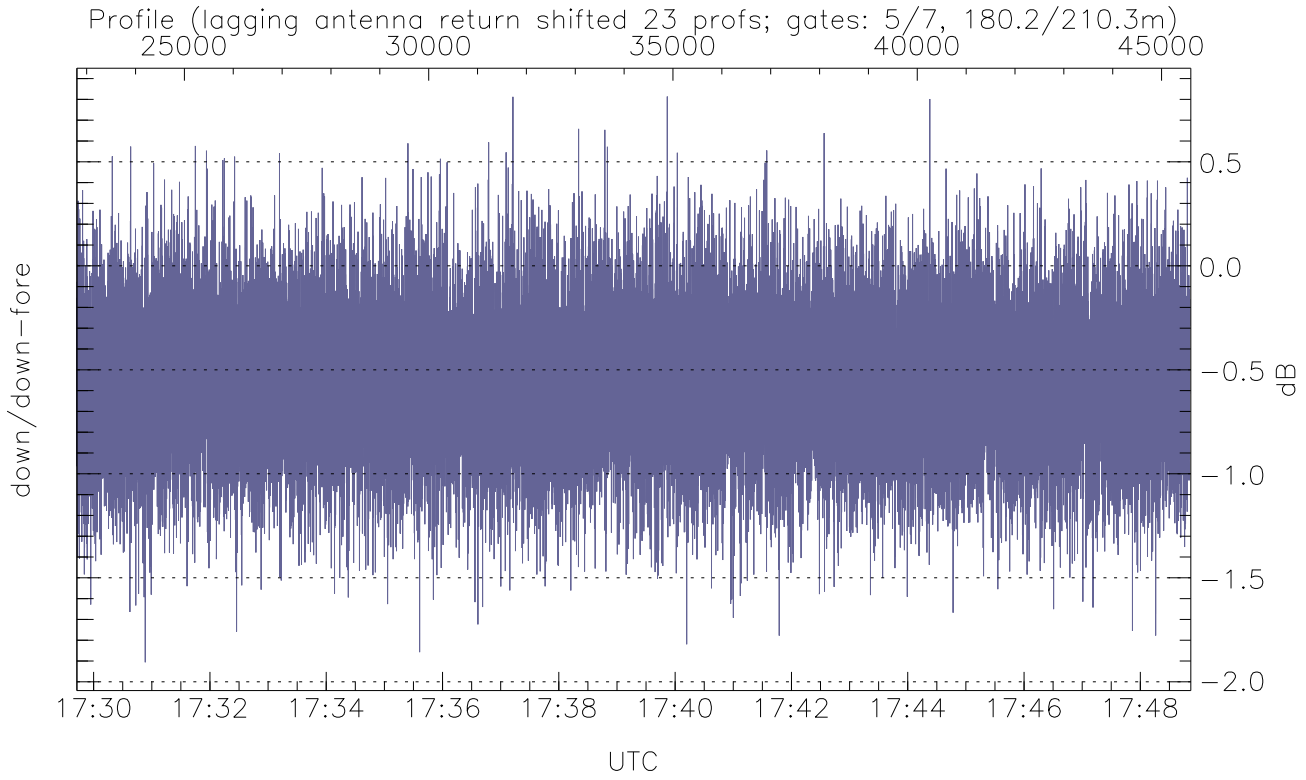

WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements




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

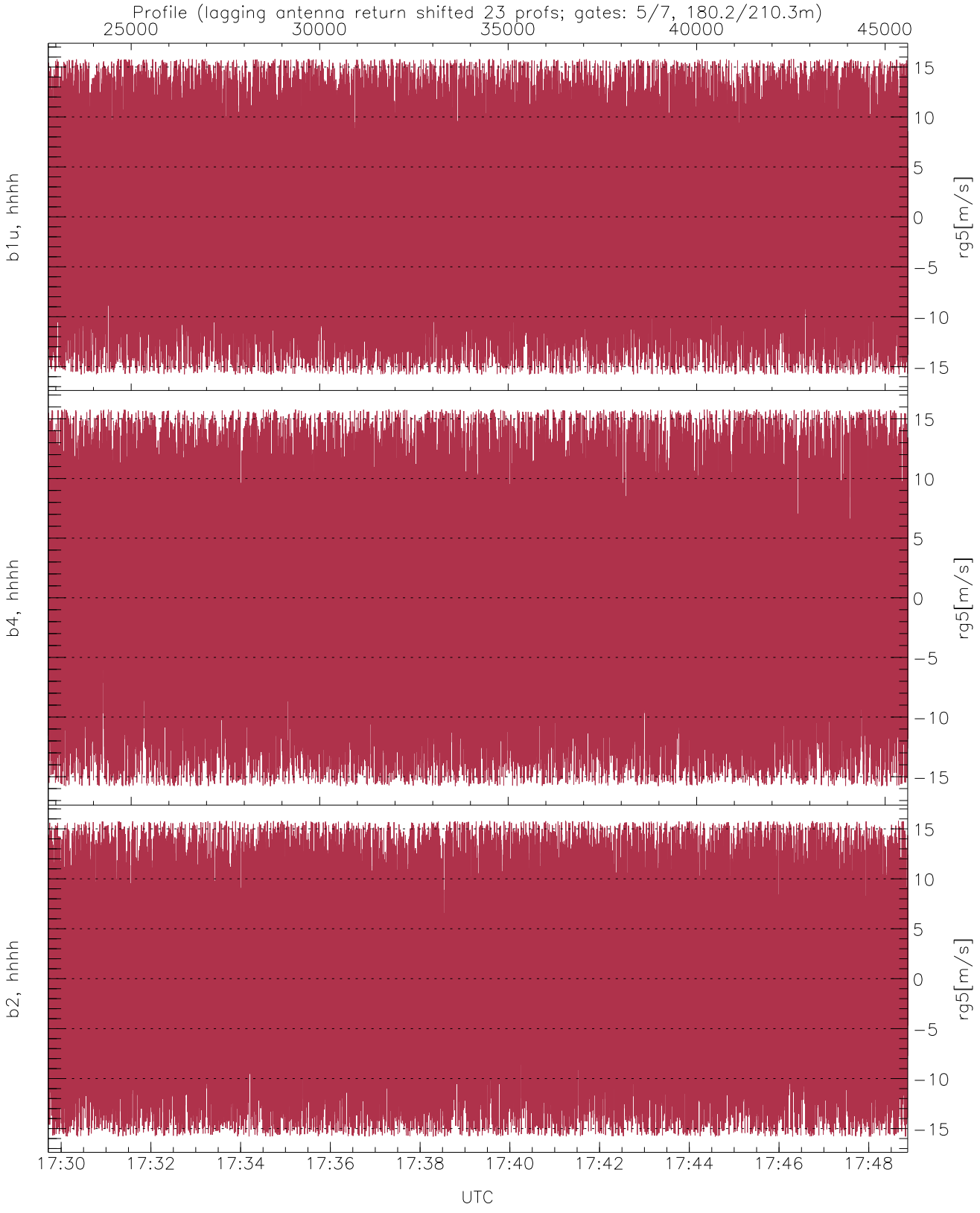
| | Min | Max | Mean |
|---|---|---|---|
| up(hh[dBm]) | -63.44 | -61.44 | -62.39 |
| down-fore(hh[dBm]) | -62.94 | -61.12 | -62.01 |
| down(hh[dBm]) | -63.54 | -61.59 | -62.58 |




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

| | Min | Max | Mean |
|---|---|---|---|
| up/down(dB) | -1.13 | 1.49 | 0.19 |
| down/down-fore(dB) | -1.91 | 0.81 | -0.56 |




WCR2 CPP Doppler Velocity Products at 180.2 m range

| | Min | Max | Mean | StDev |
|---|---|---|---|---|
| b1u, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.11 | 9.04 |
| b4, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.12 | 9.04 |
| b2, hhhh(rg5[m/s]) | -15.80 | 15.80 | -0.46 | 9.02 |