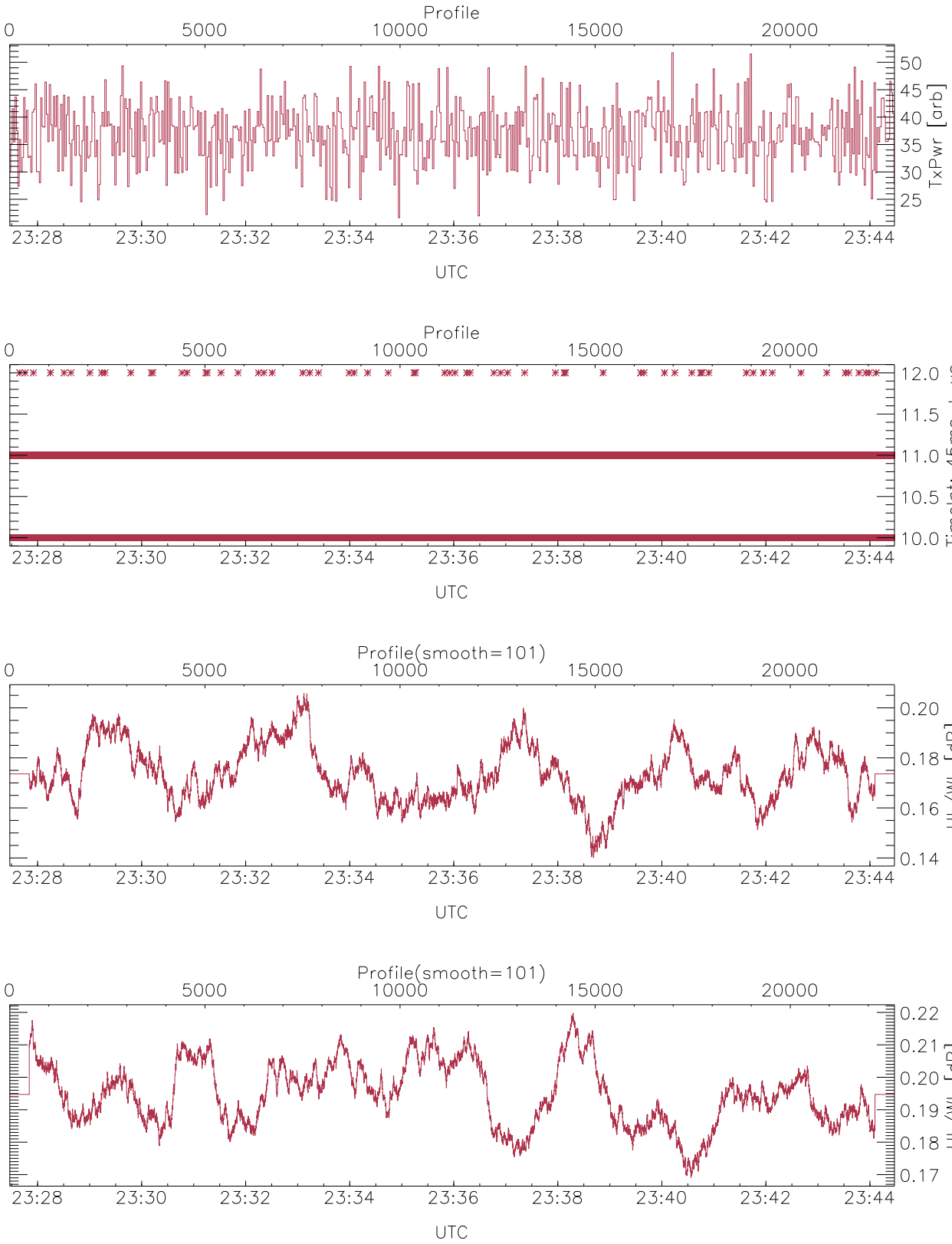
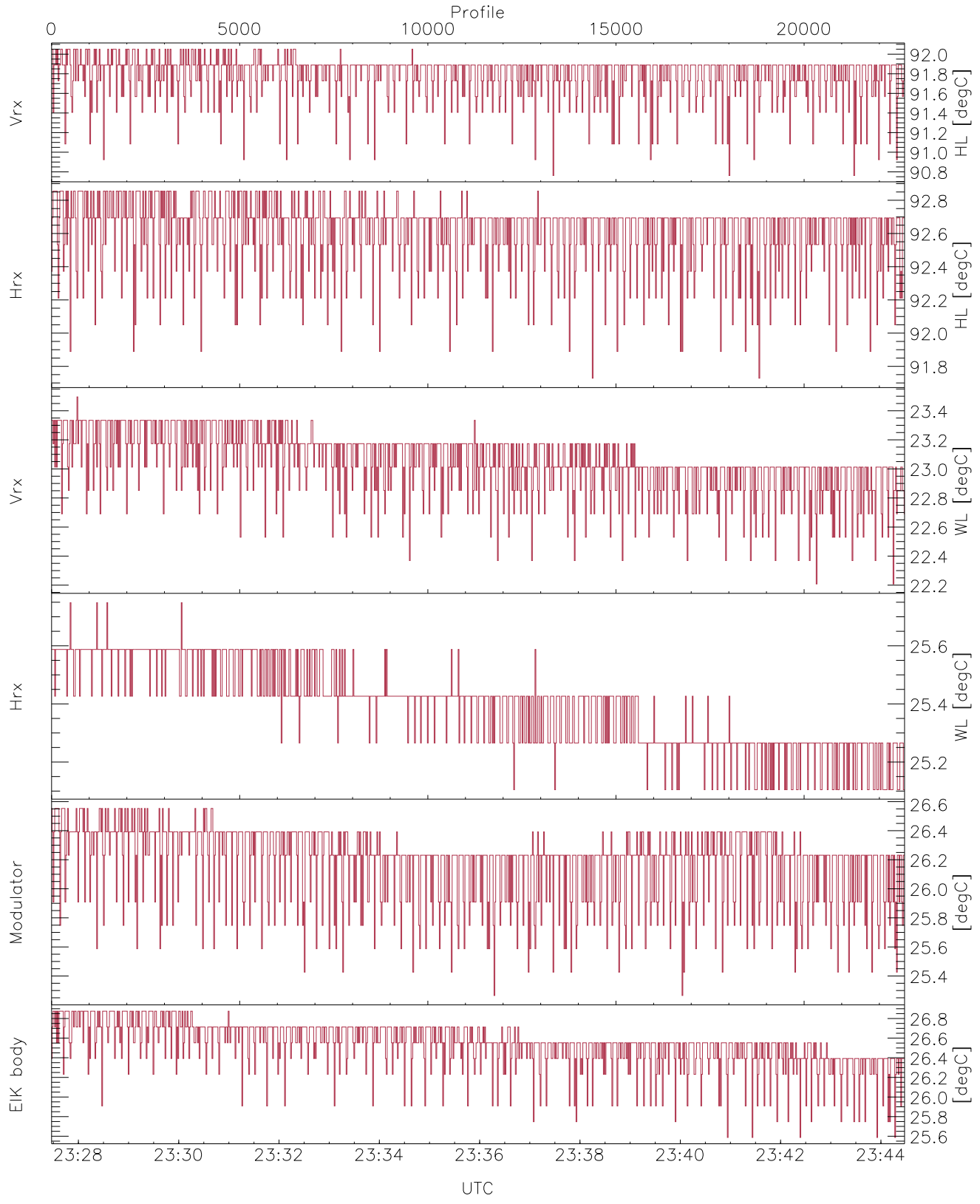


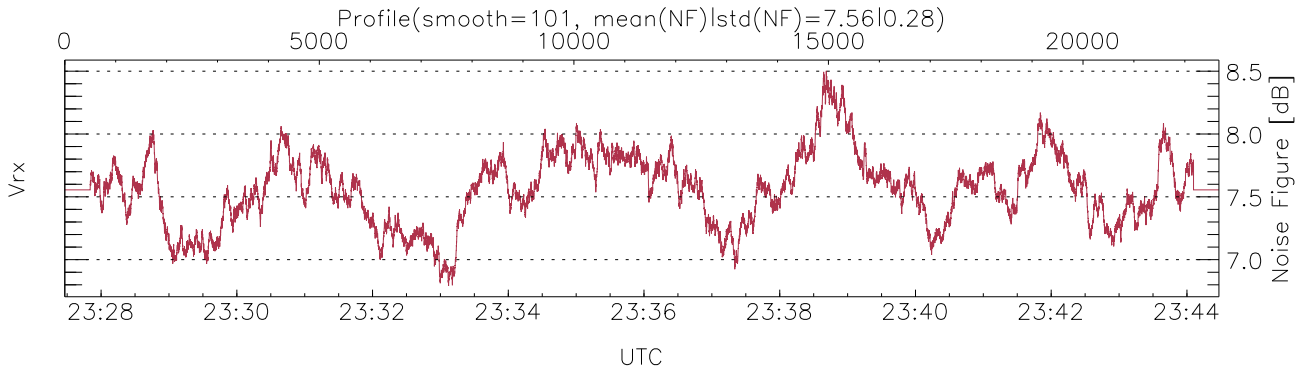
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

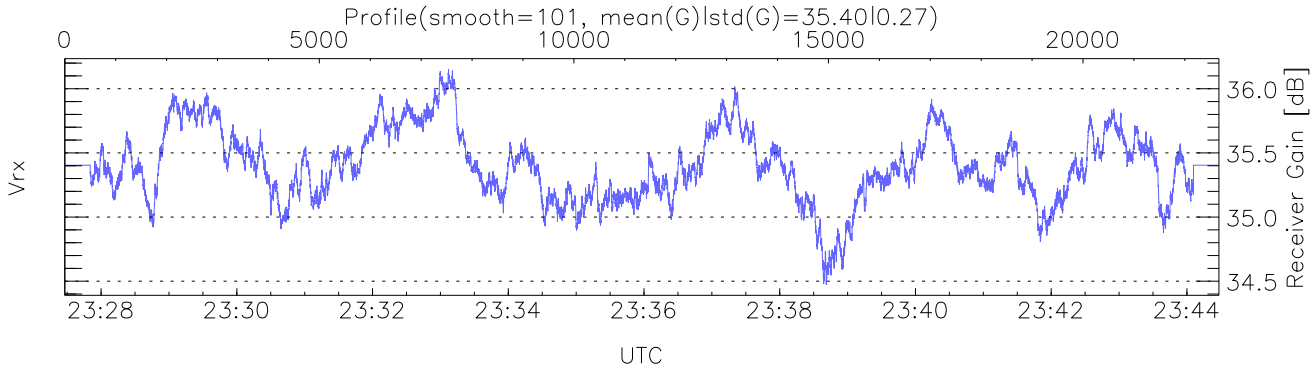
UTC: 23:27:28-23:44:28, TimeCor: 0.00s, Dur: 1020.45s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 22672/22672, 0-22671/23:27:28-23:44:28
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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,rgs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1

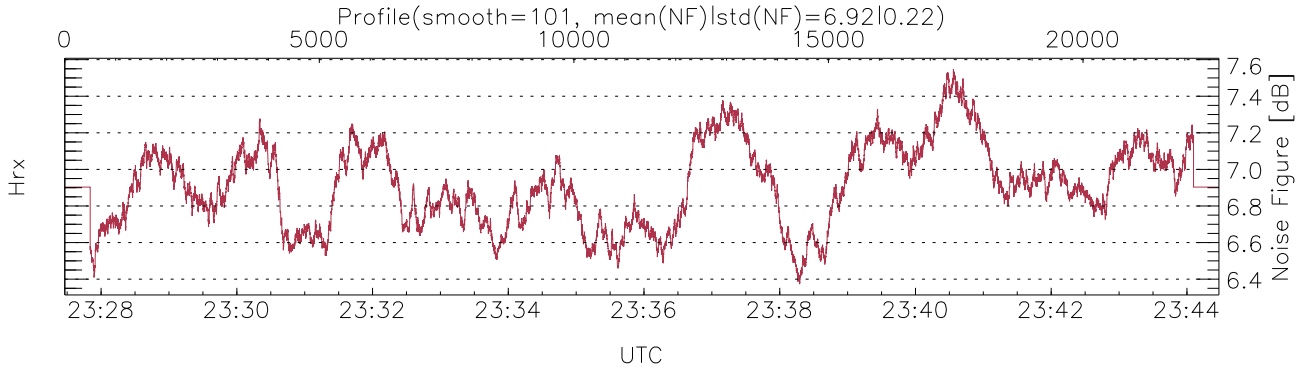


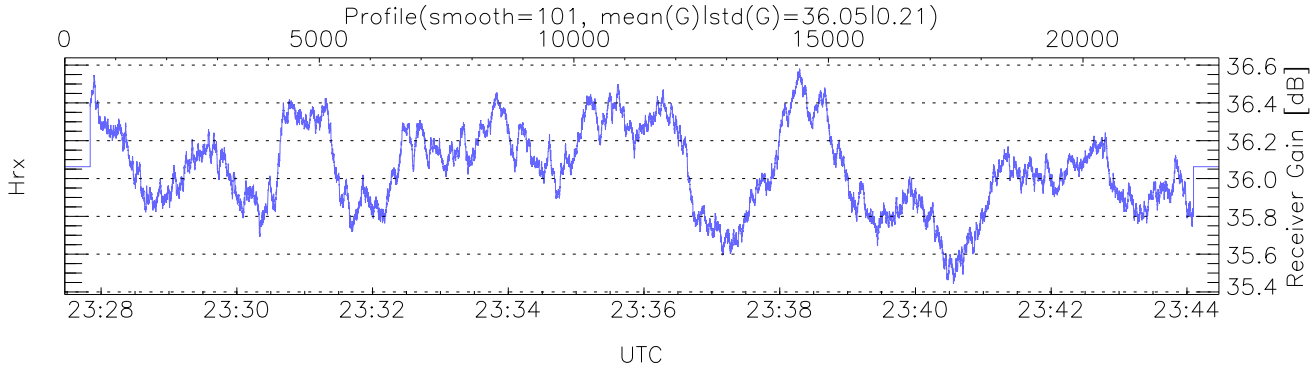
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,22,25,25,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,23,25,26,26
LOalarm(20,240,2817,14861 MHz): 0,0,22,0
EIK/Modulator Faults: None



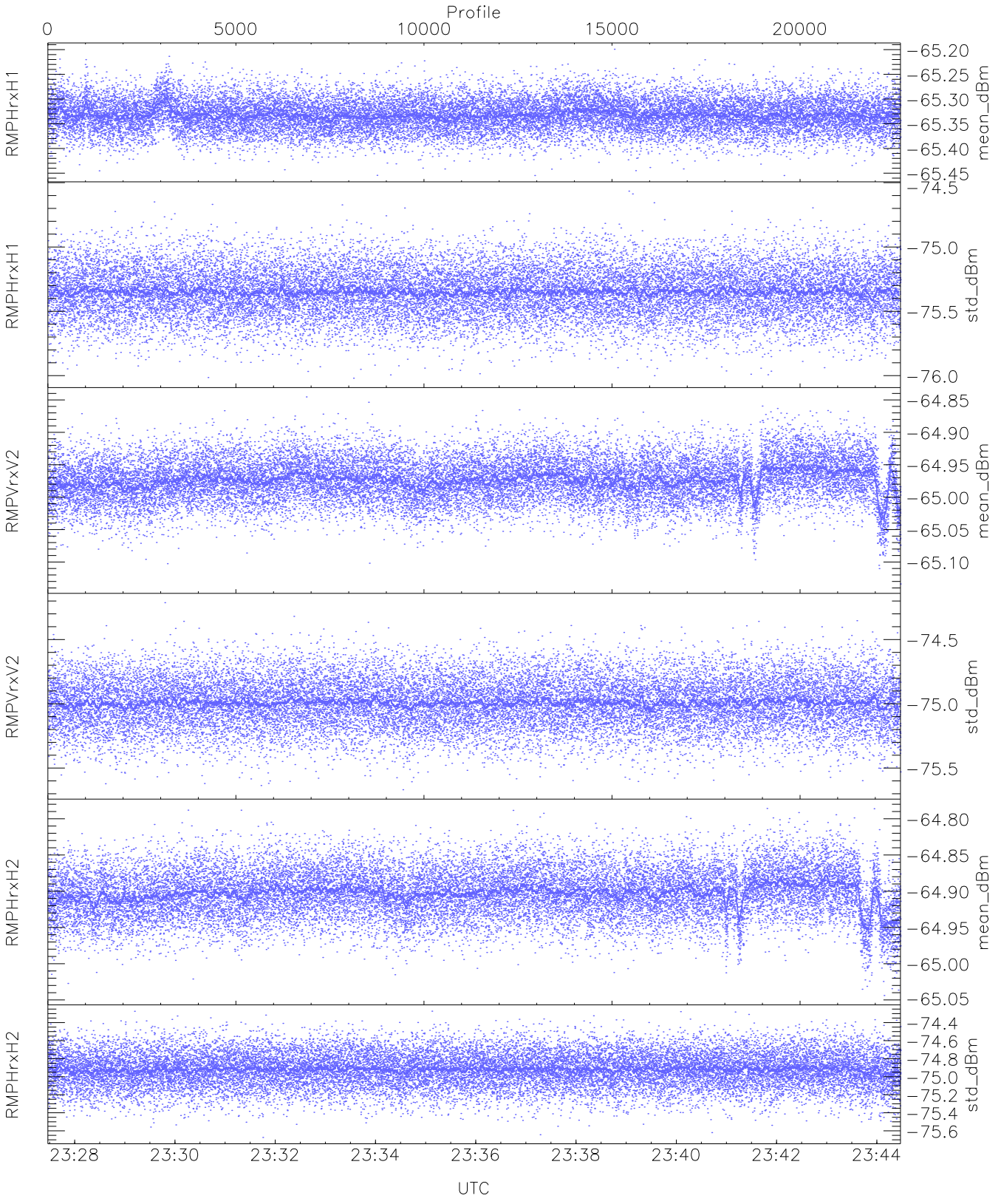






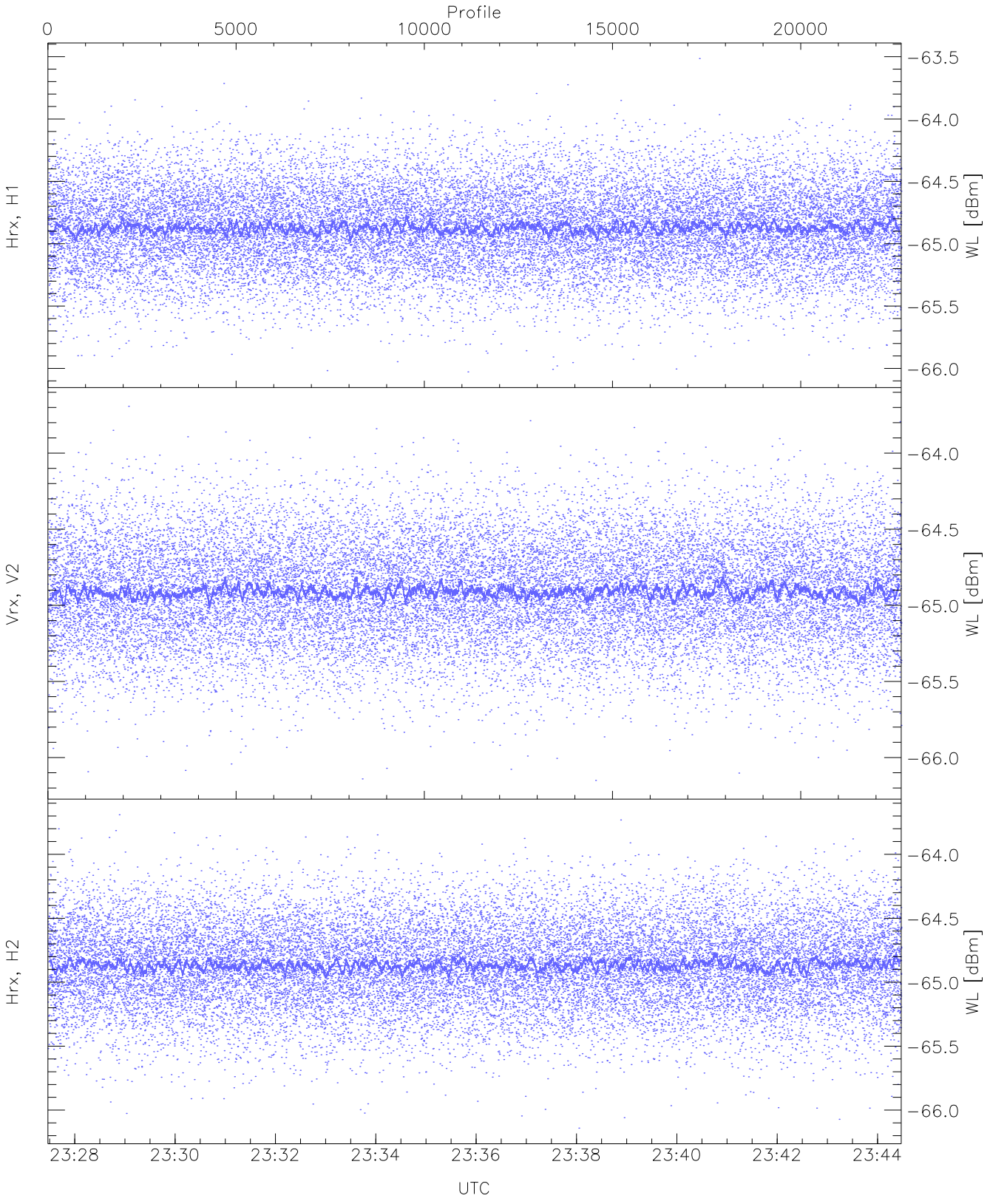
WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 0 pixs, 0 gates, 0 profs, 0 prod(s)



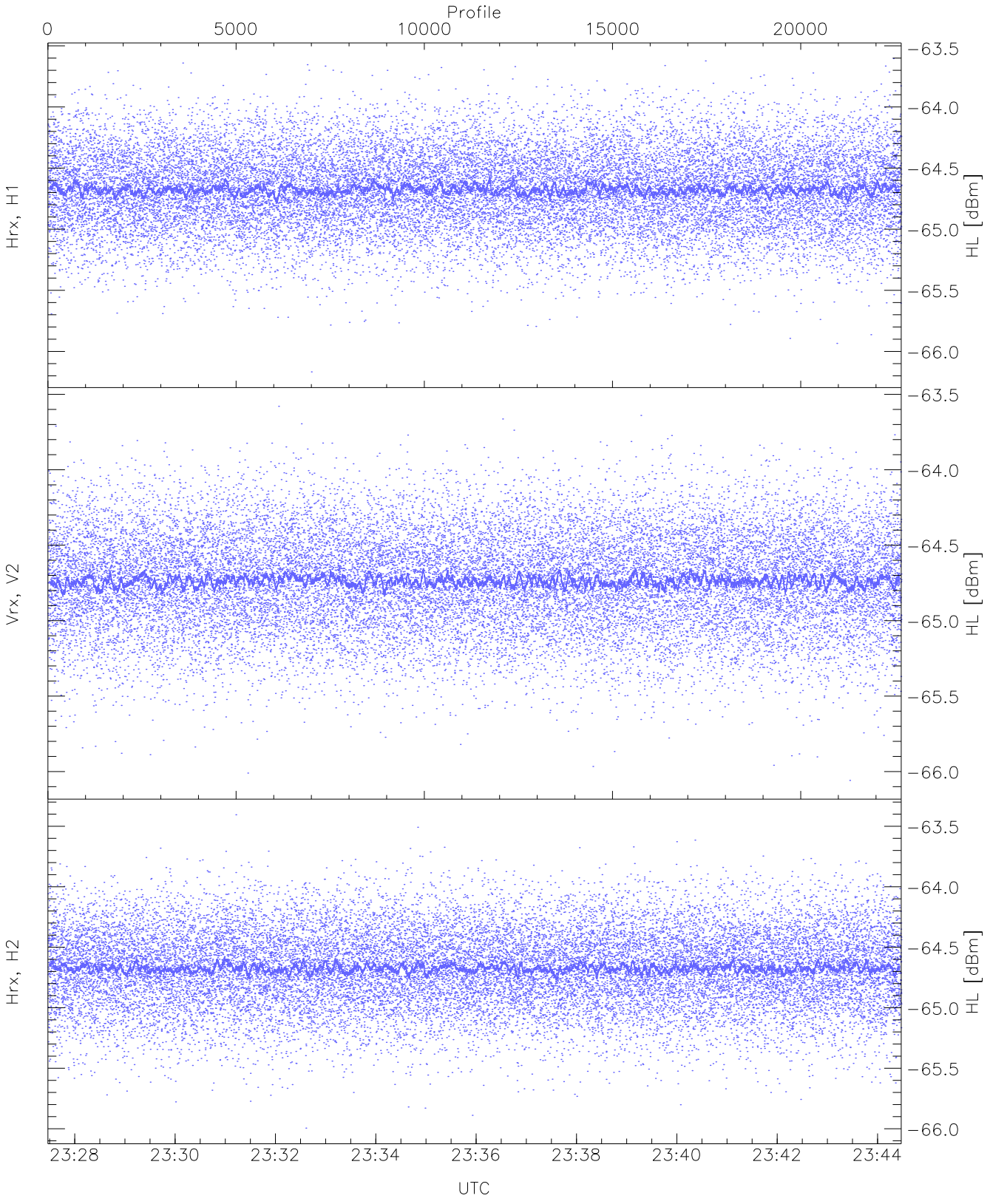
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.45	-65.20	-65.33	-65.33	-86.83
RMPHrxH1(std_dBm)	-76.02	-74.57	-75.35	-75.35	-89.15
RMPVrxV2(mean_dBm)	-65.13	-64.85	-64.97	-64.97	-86.30
RMPVrxV2(std_dBm)	-75.67	-74.21	-74.99	-74.99	-88.78
RMPHrxH2(mean_dBm)	-65.04	-64.79	-64.90	-64.90	-86.21
RMPHrxH2(std_dBm)	-75.67	-74.27	-74.92	-74.92	-88.69



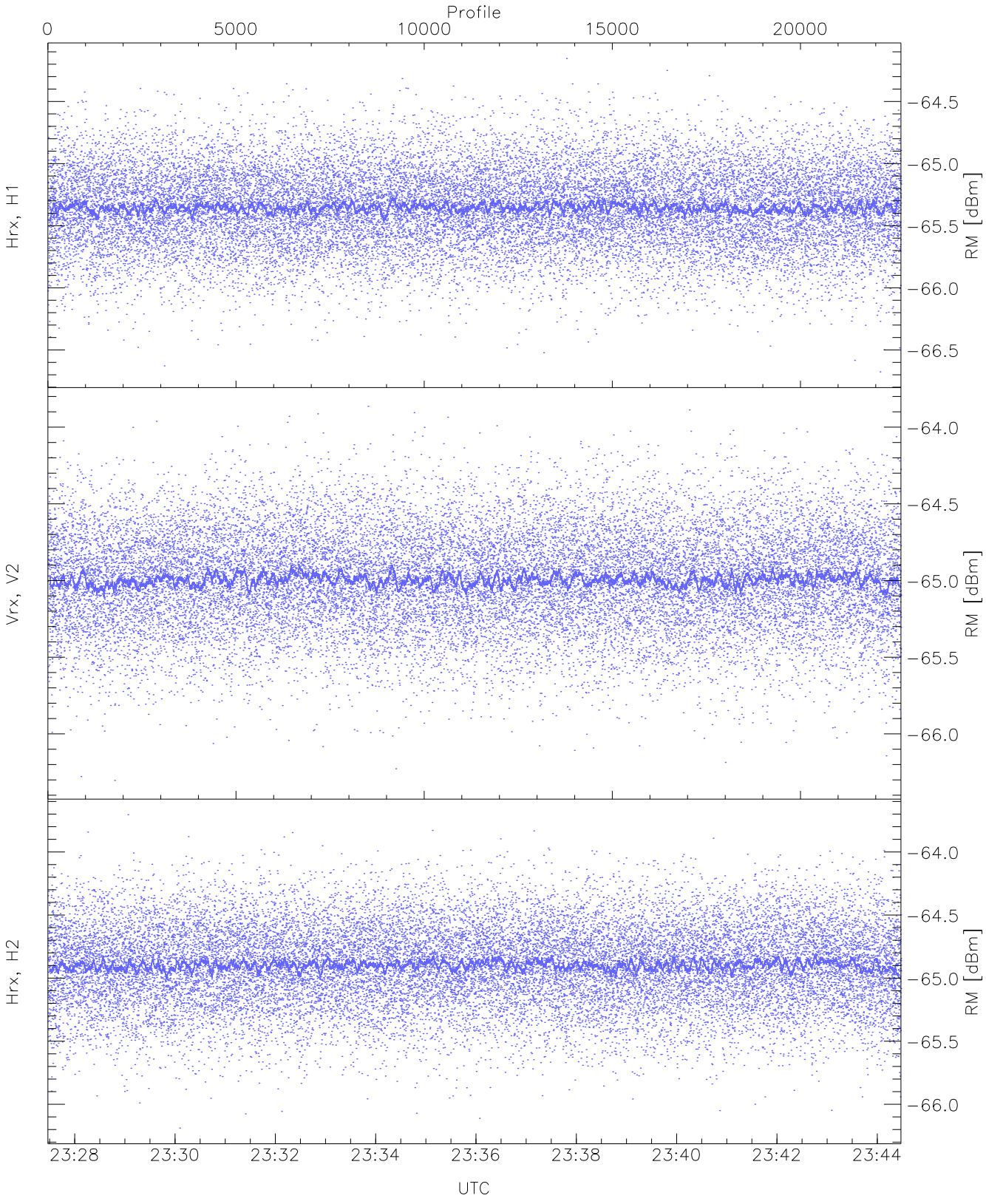
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.03	-63.52	-64.87	-64.87	-76.39
Vrx, V2(WL [dBm])	-66.15	-63.69	-64.90	-64.91	-76.39
Hrx, H2(WL [dBm])	-66.14	-63.69	-64.86	-64.87	-76.36



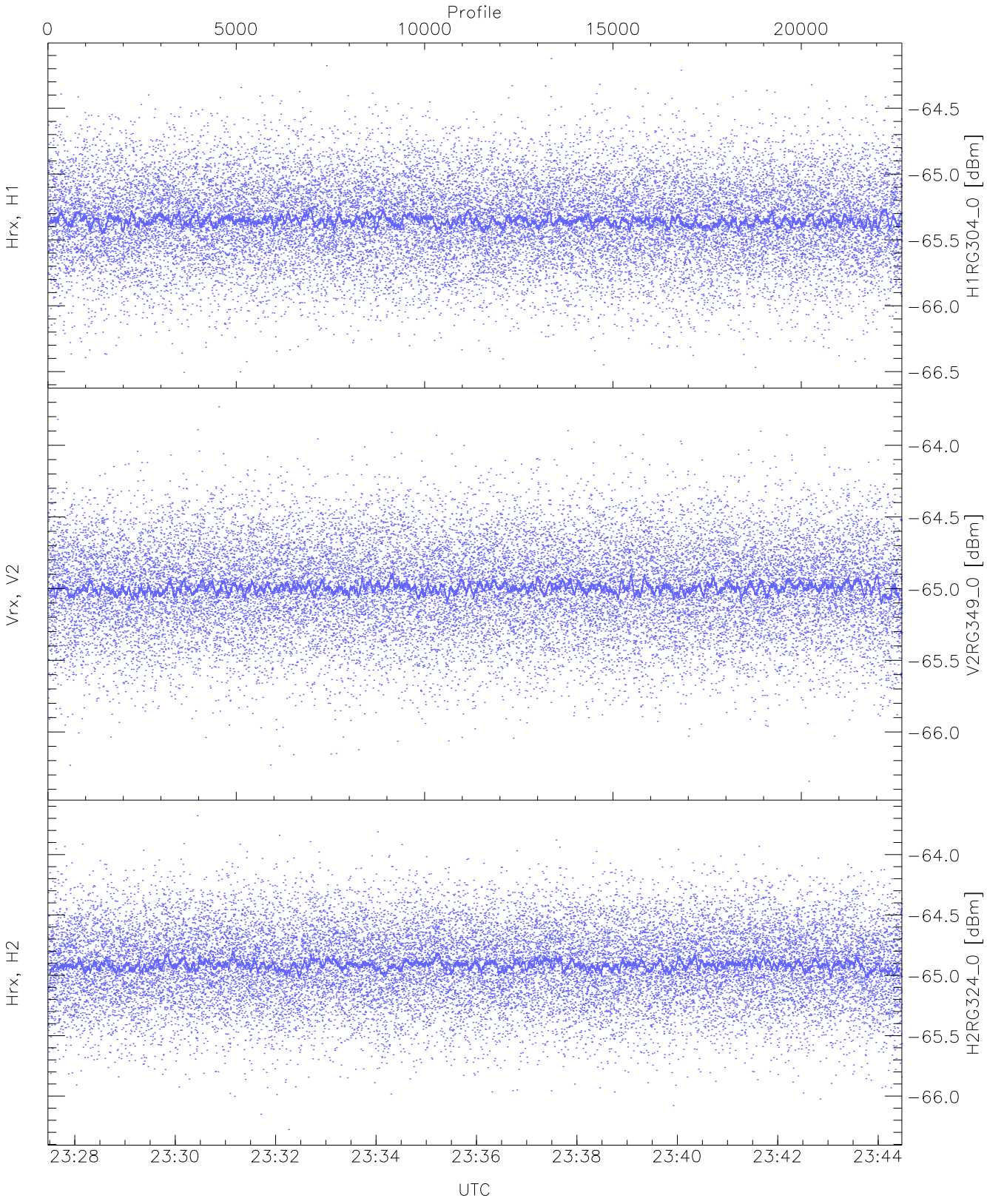
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-66.17	-63.60	-64.67	-64.68	-76.20
Vrx, V2(HL [dBm])	-66.06	-63.58	-64.73	-64.73	-76.24
Hrx, H2(HL [dBm])	-65.99	-63.41	-64.67	-64.67	-76.17



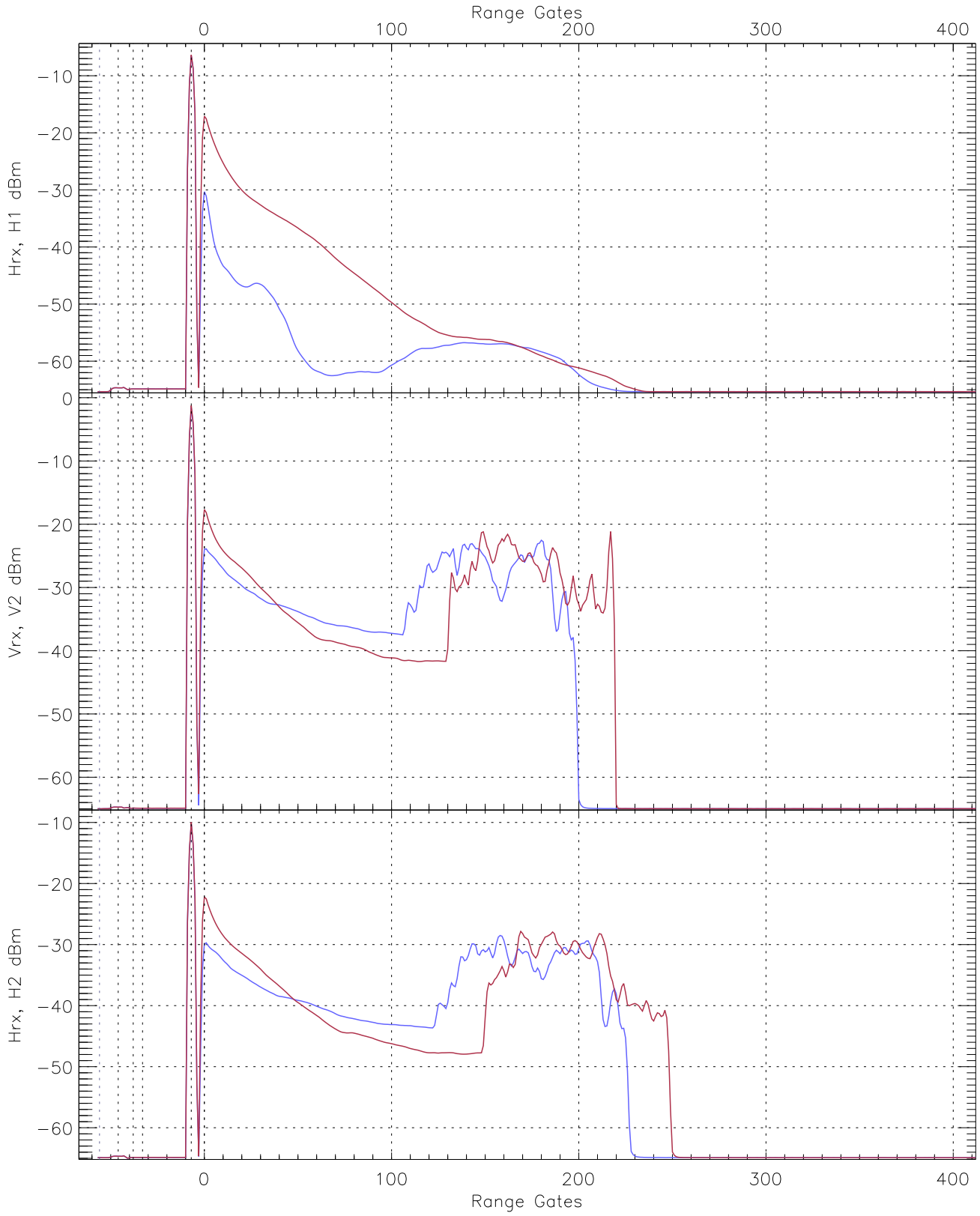
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.68	-64.15	-65.35	-65.35	-76.86
Vrx, V2(RM [dBm])	-66.30	-63.86	-64.99	-64.99	-76.50
Hrx, H2(RM [dBm])	-66.19	-63.71	-64.89	-64.90	-76.36

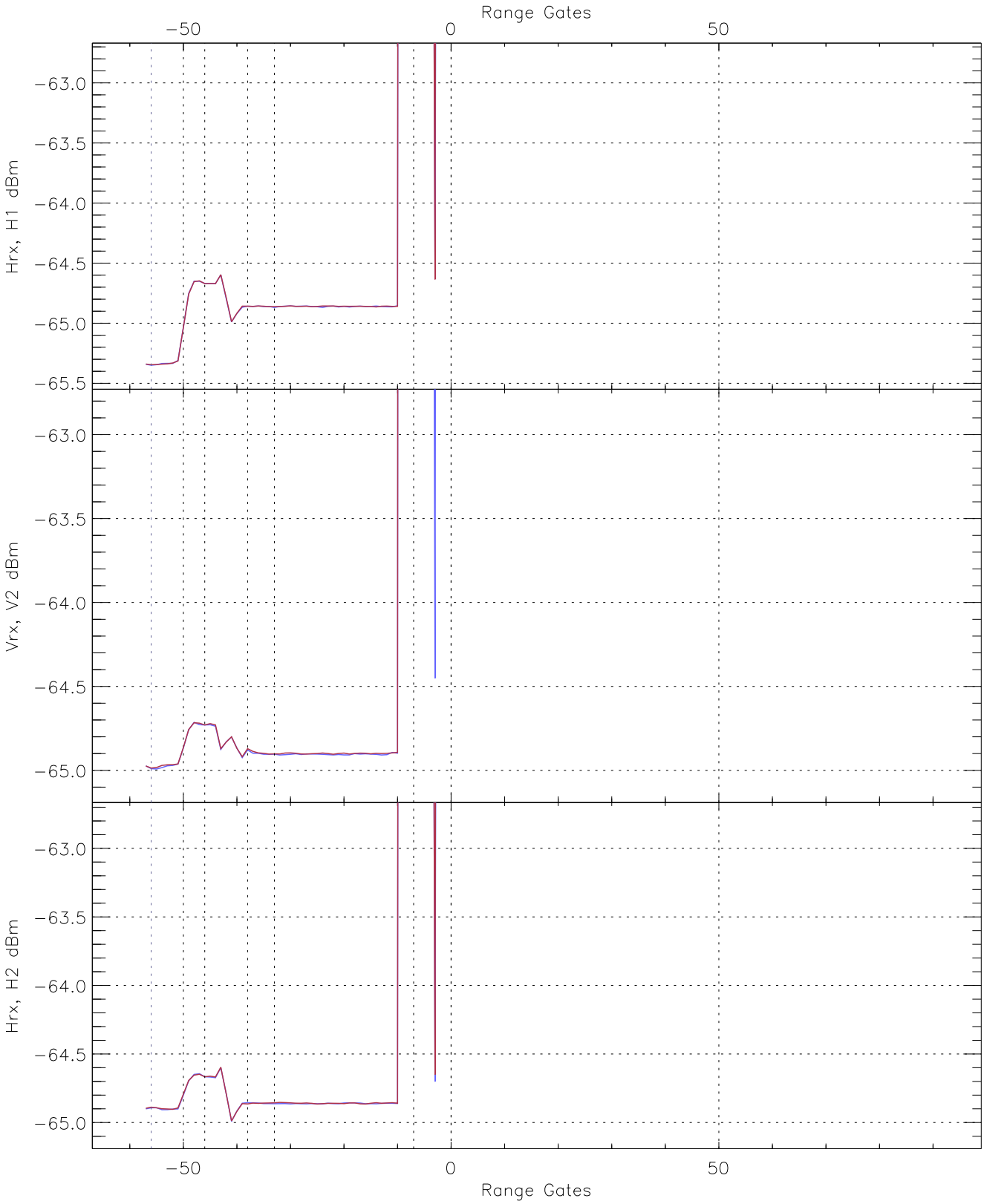


WCR3 CPP "Best" estimate Receivers Noise Power

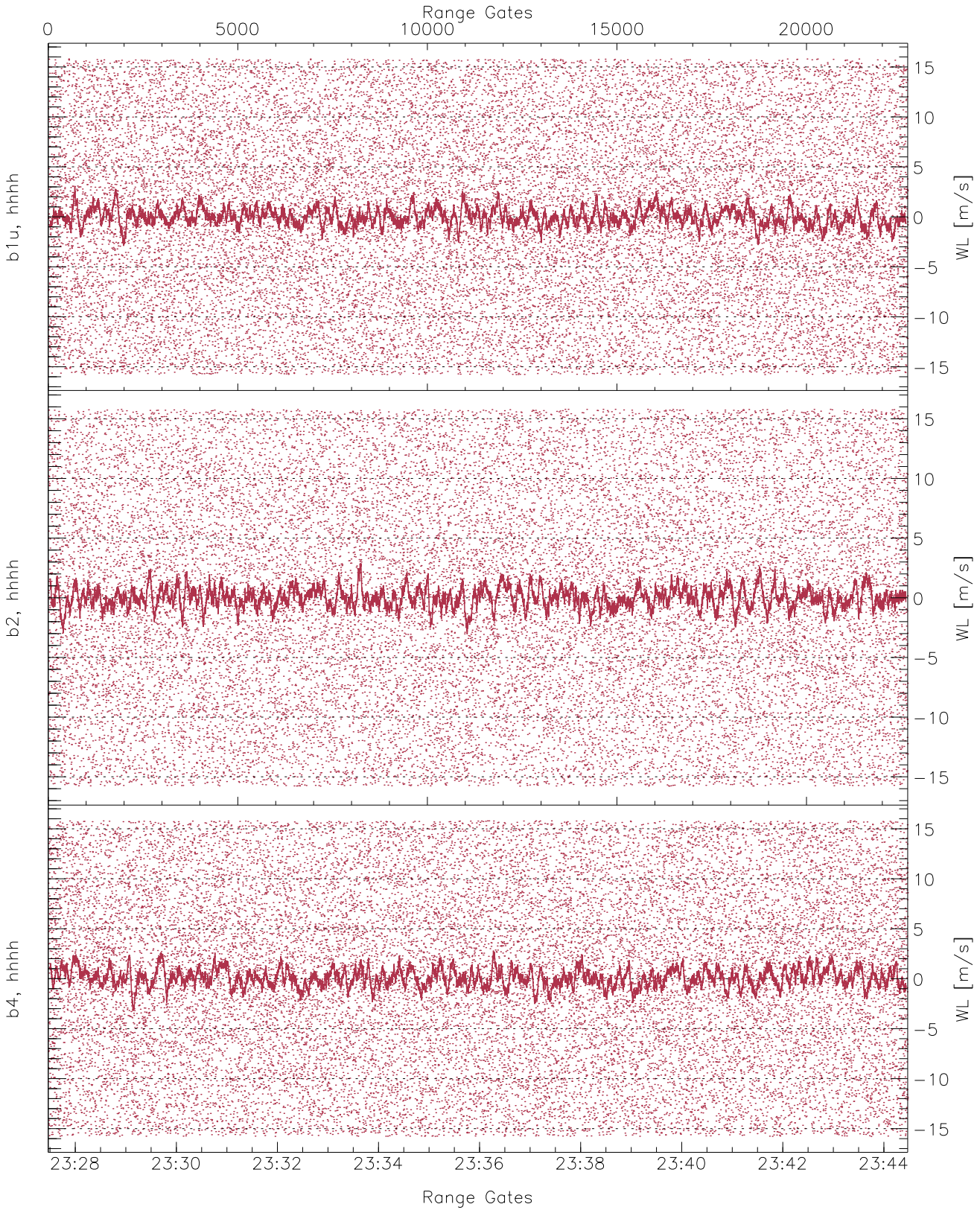
	Min	Max	Mean	Median	StDev
H1RG304_0 [dBm]	-66.51	-64.12	-65.35	-65.36	-76.86
V2RG349_0 [dBm]	-66.34	-63.73	-64.99	-64.99	-76.49
H2RG324_0 [dBm]	-66.28	-63.68	-64.91	-64.91	-76.41



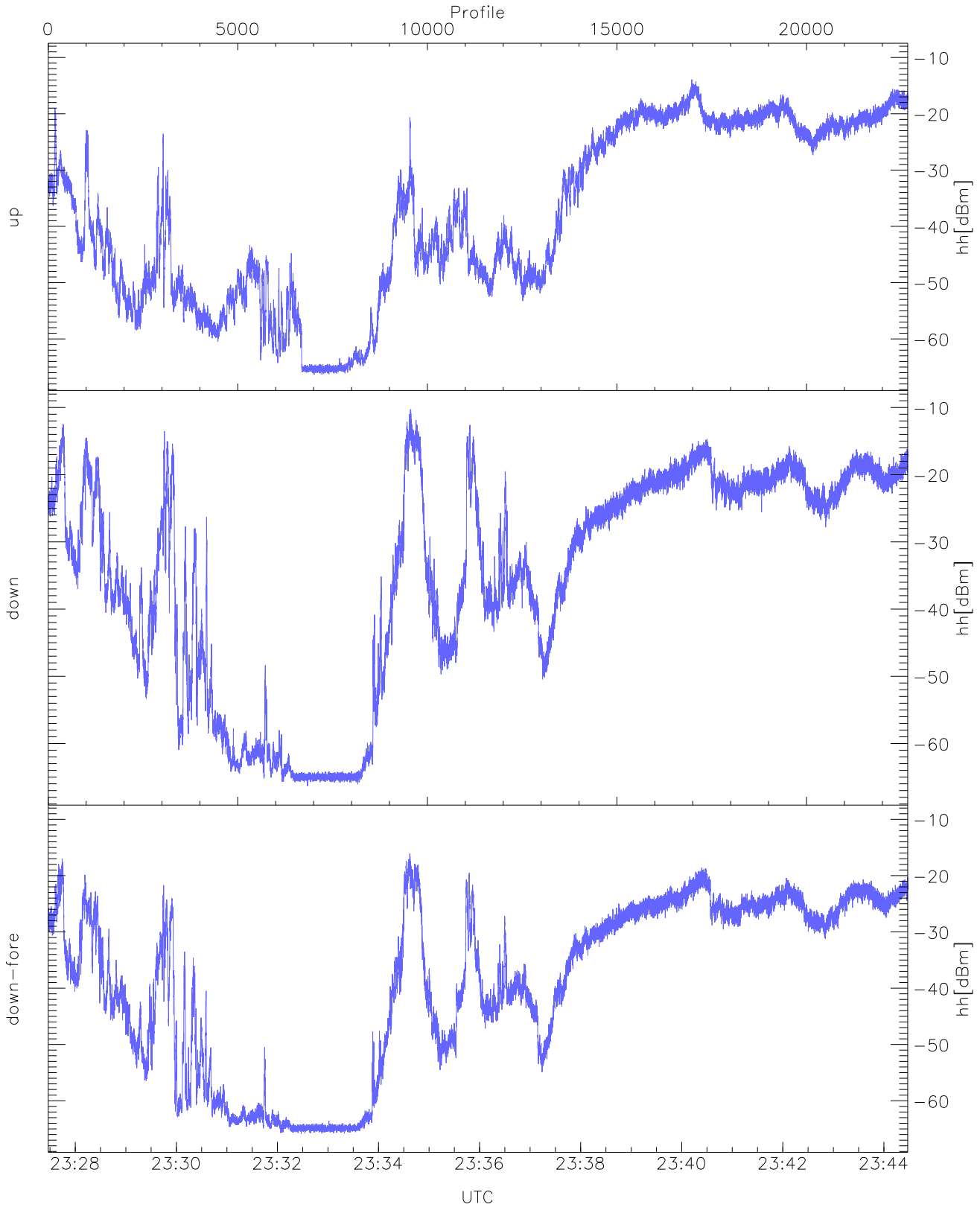
WCR3 CPP Averaged Received power for all recorded gates
blue: 232728-233558, 11337 profiles averaged
red: 233558-234428, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 232728-233558, 11337 profiles averaged
red: 233558-234428, 11336 profiles averaged

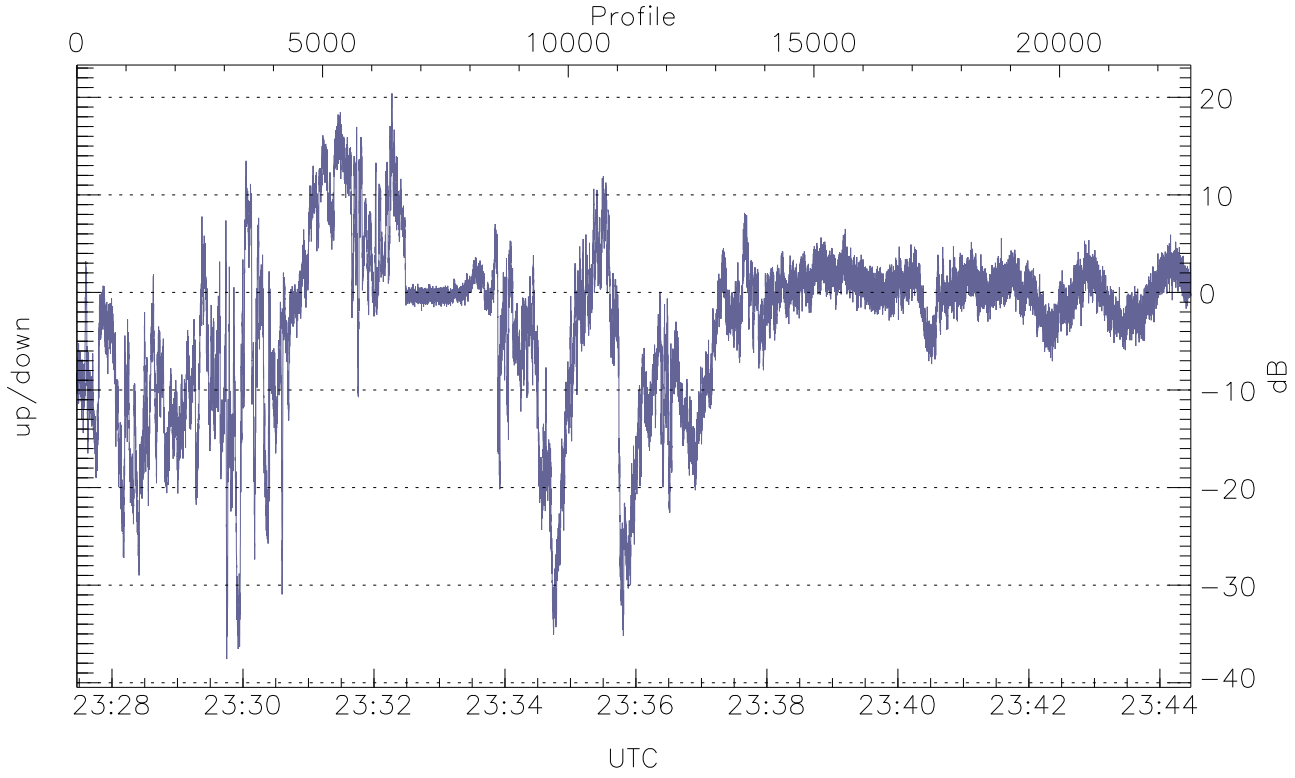


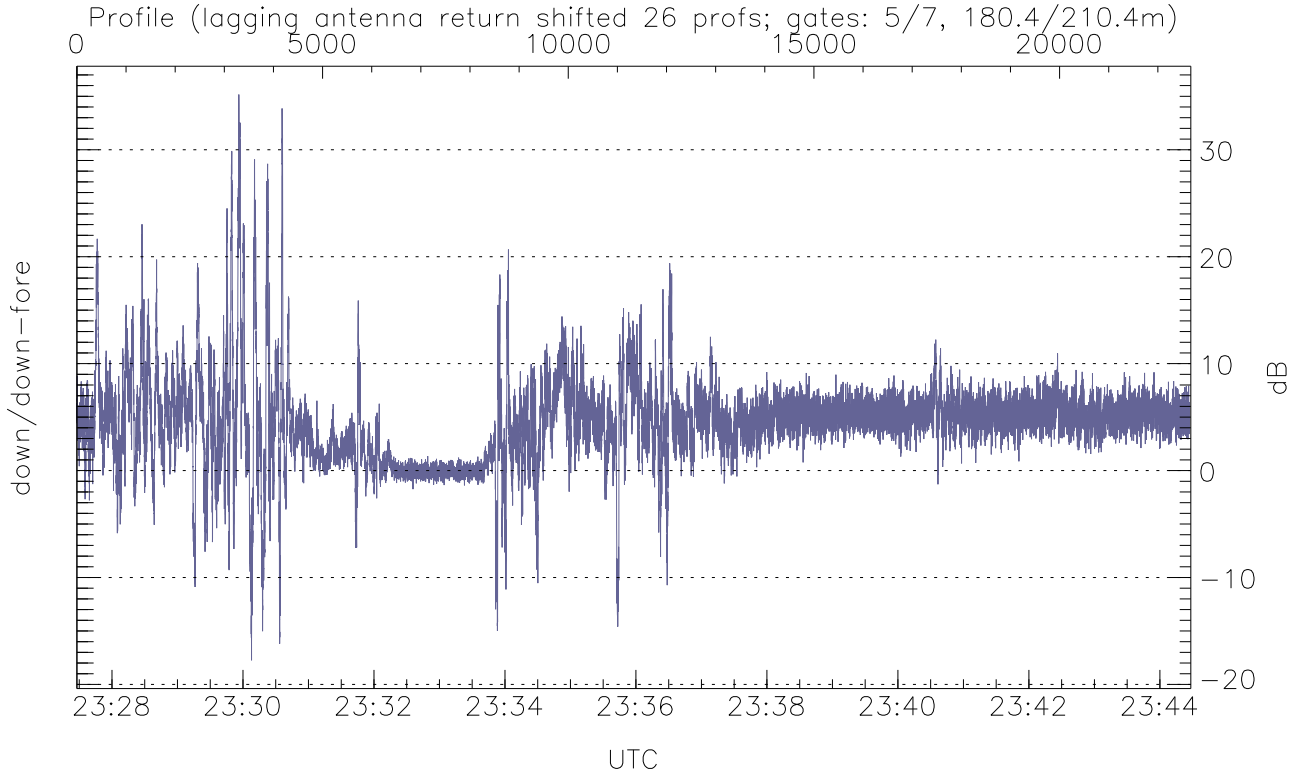
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

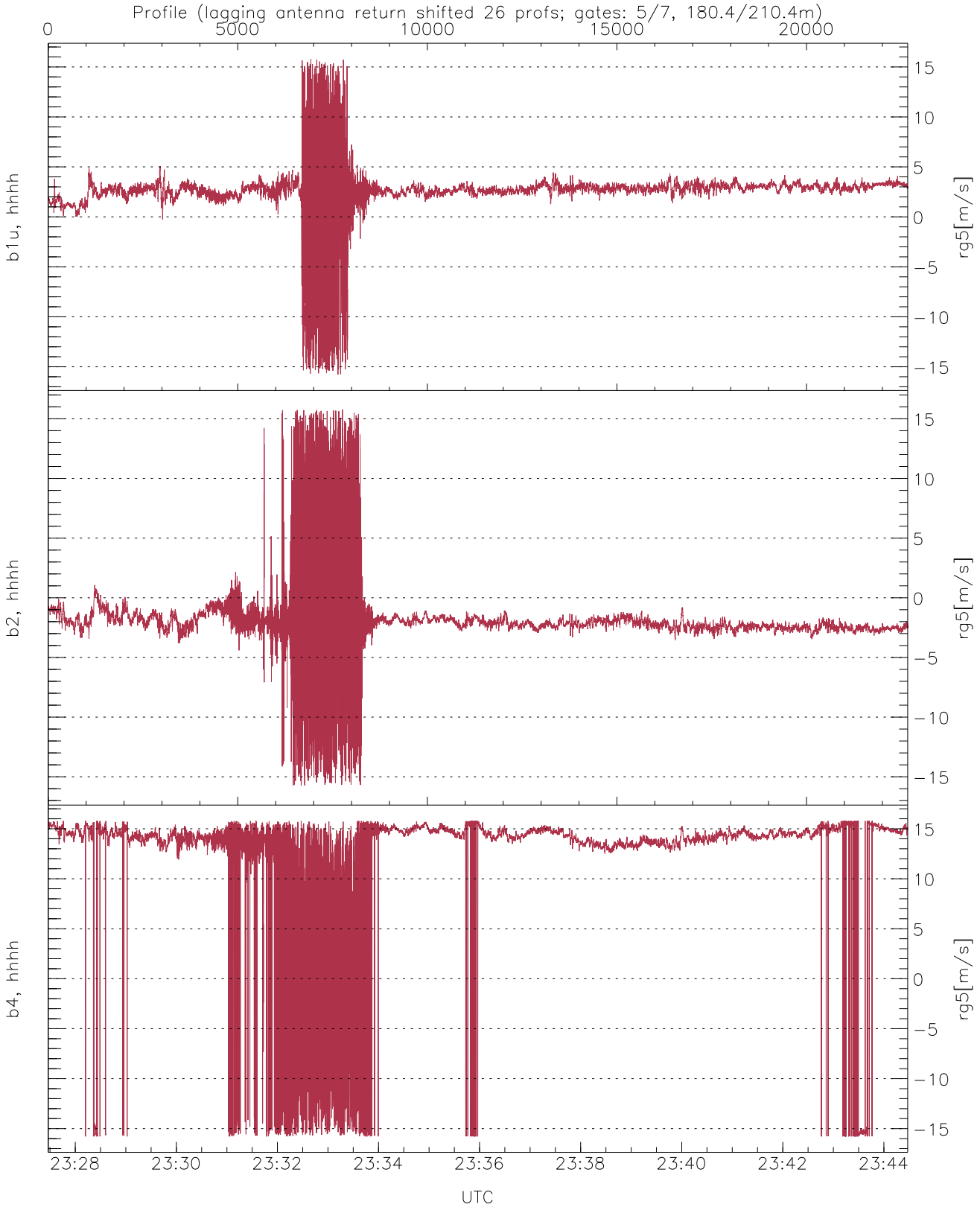
	Min	Max	Mean
up(hh[dBm])	-66.36	-13.91	-24.54
down(hh[dBm])	-66.33	-10.27	-23.09
down-fore(hh[dBm])	-65.90	-16.06	-27.71





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

	Min	Max	Mean
up/down(dB)	-37.58	20.41	-3.05
down/down-fore(dB)	-17.74	35.17	4.47



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	2.56	2.04
b2, hhhh(rg5[m/s])	-15.75	15.77	-1.86	2.61
b4, hhhh(rg5[m/s])	-15.79	15.79	12.02	7.26