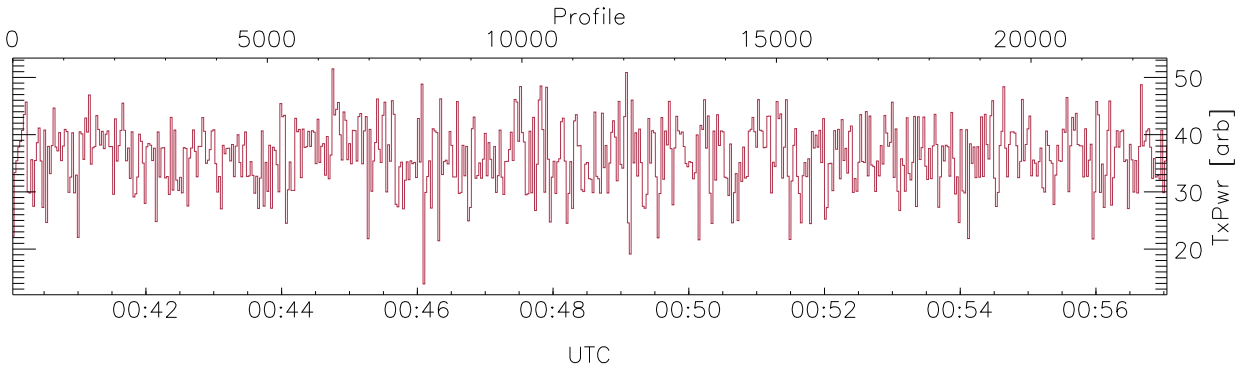
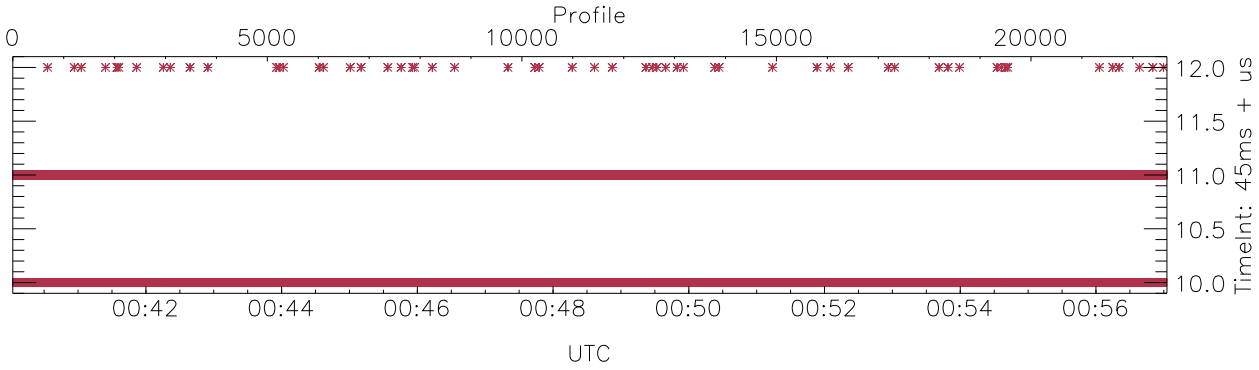
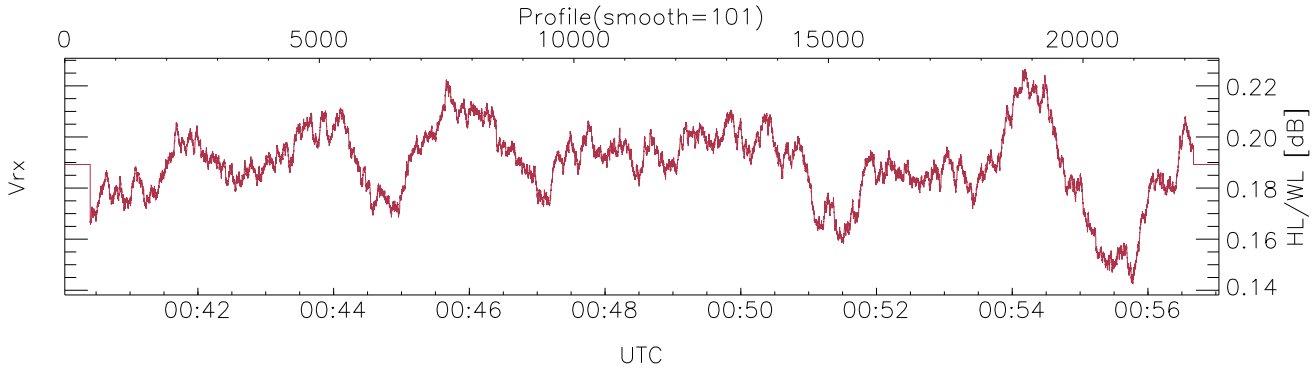
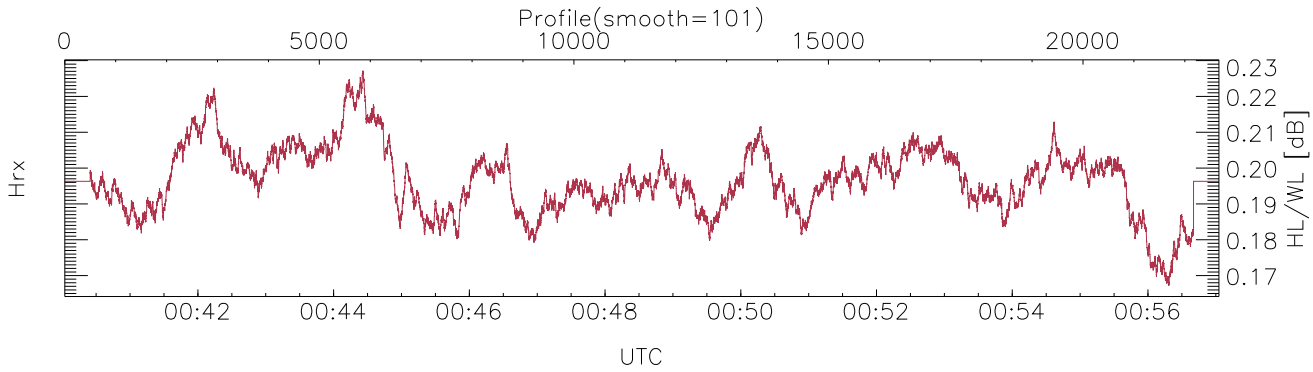


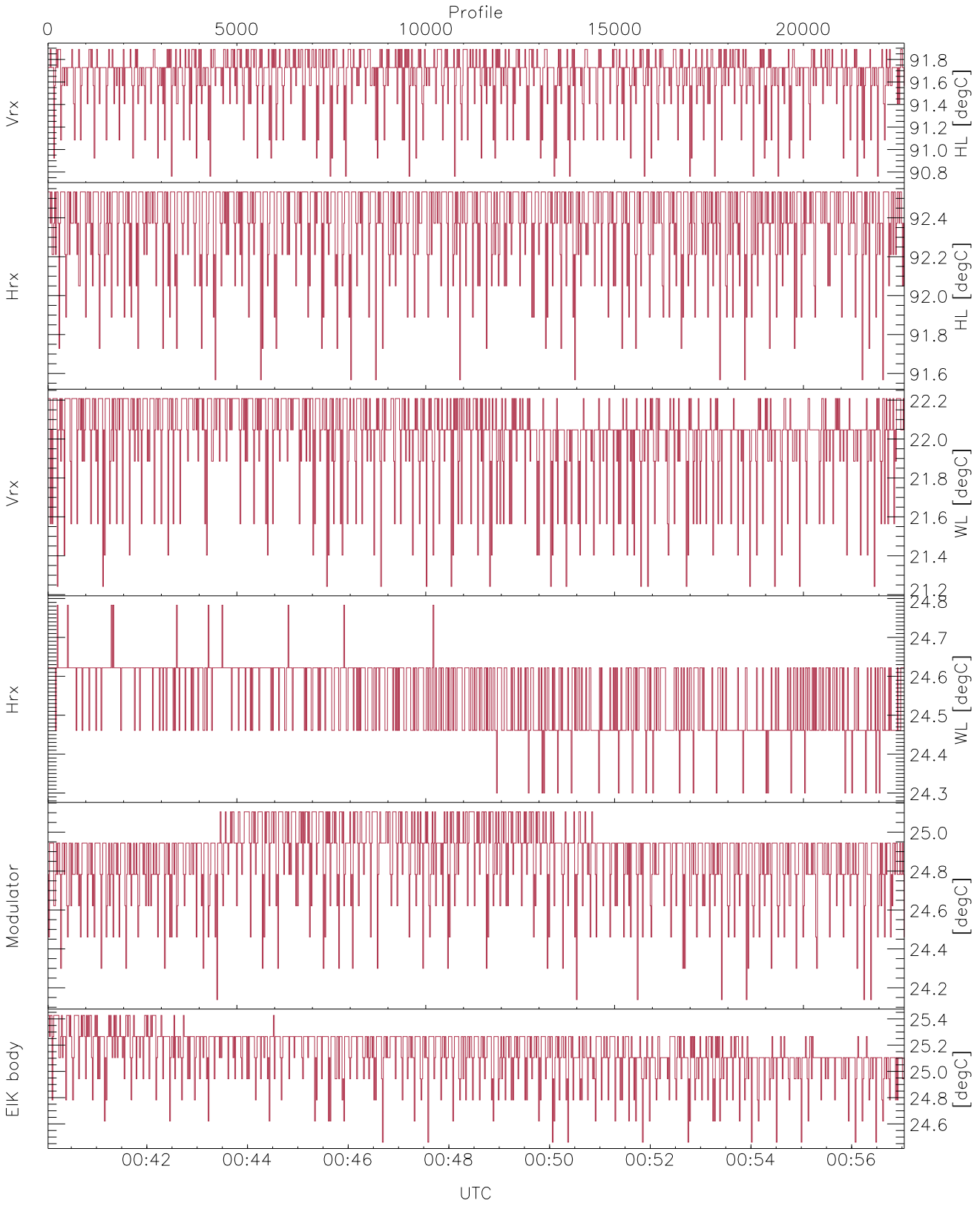






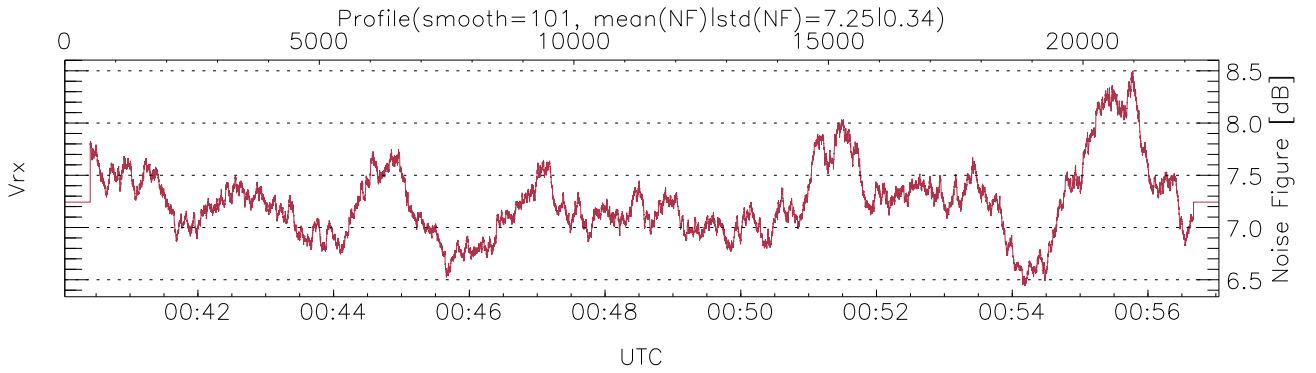
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

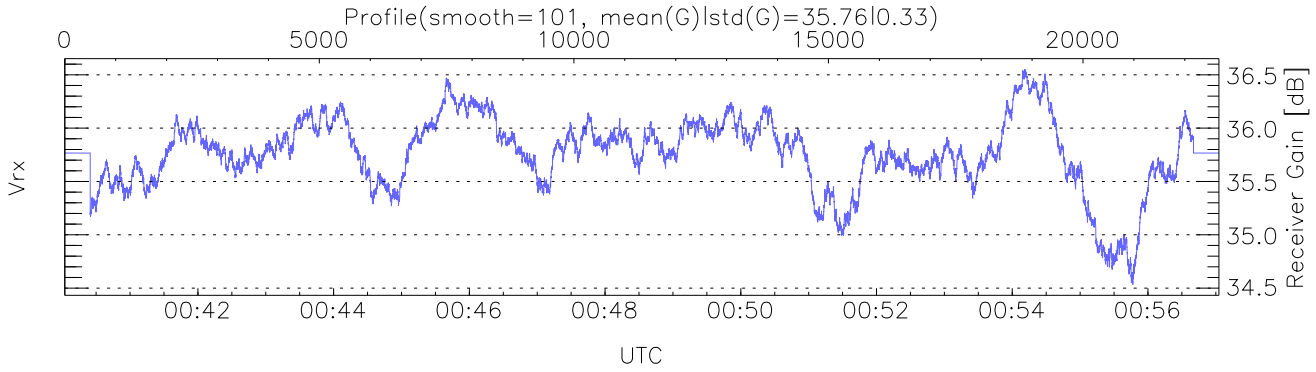
UTC: 00:40:02-00:57:03, TimeCor: 0.00s, Dur: 1020.45s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 22672/22672, 0-22671/00:40:02-00:57:03
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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

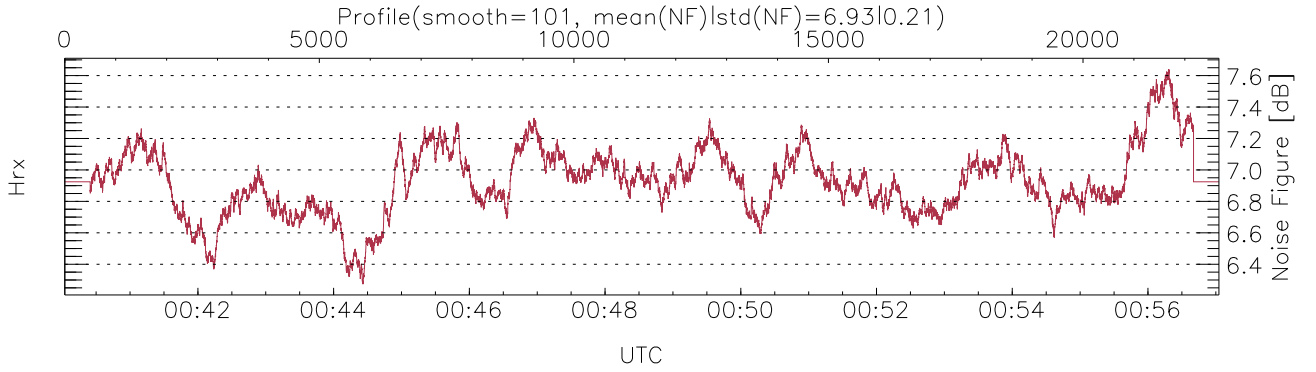


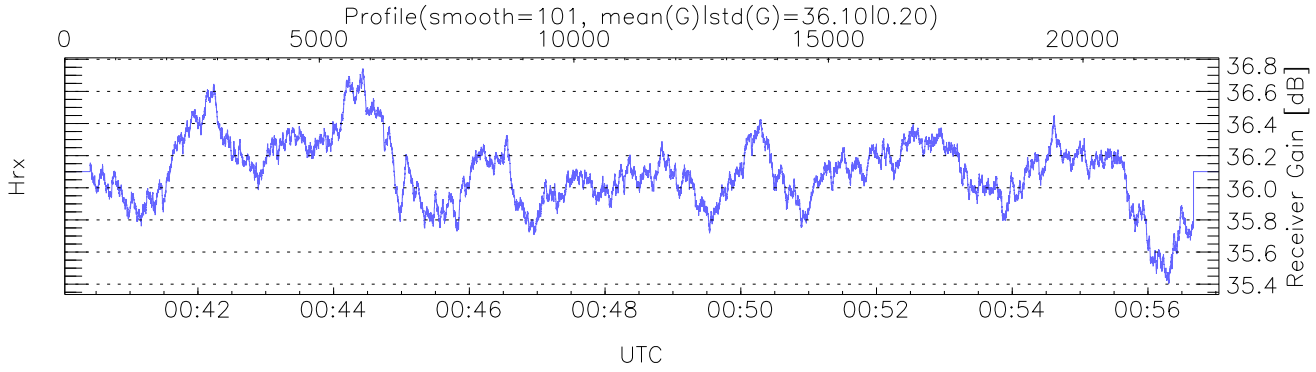
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,21,24,24,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,22,24,25,25
LOalarm(20,240,2817,14861 MHz): 0,0,68,0
EIK/Modulator Faults: None



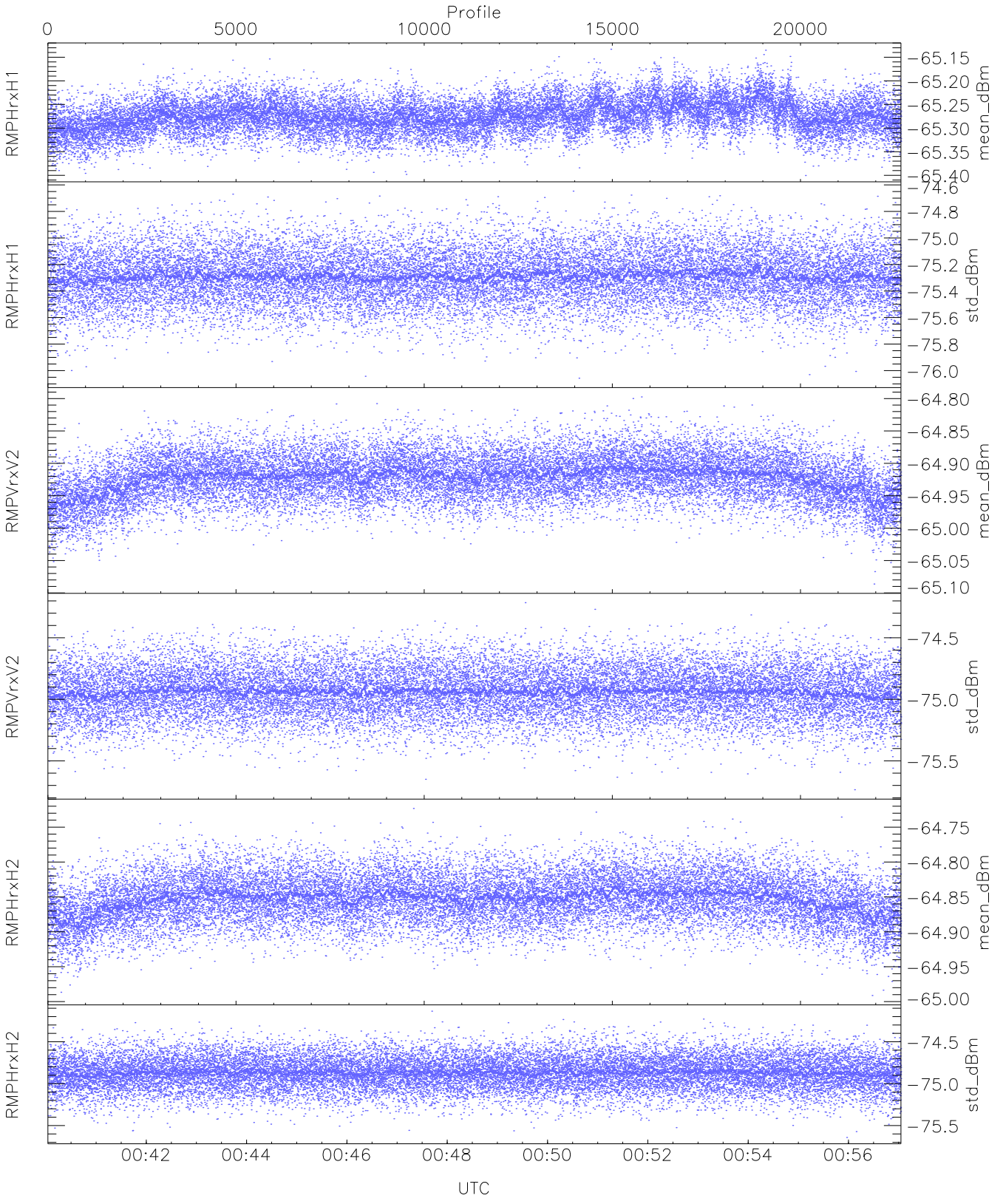






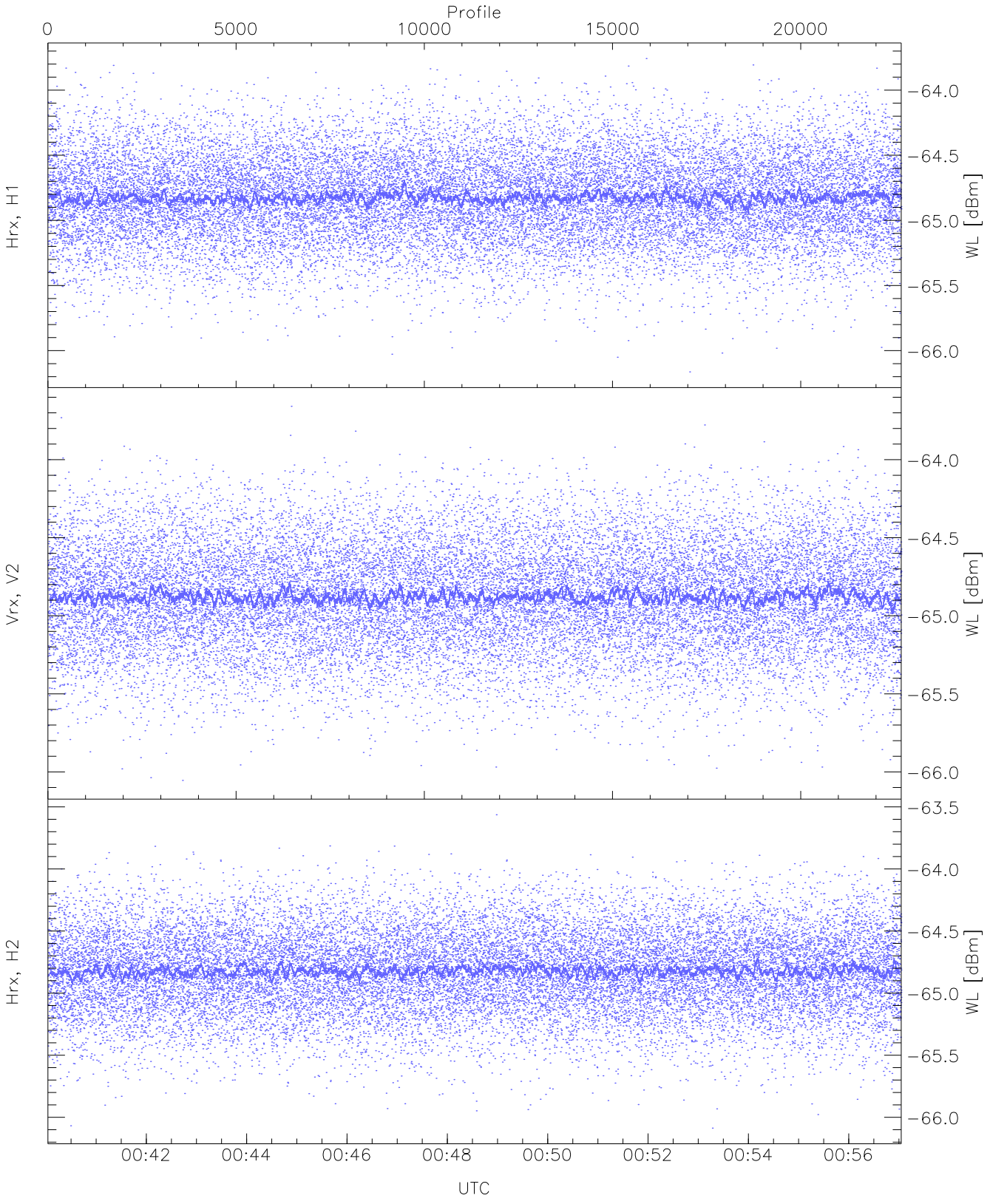
WCR3 CPP Receivers Gain and Noise Figure

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



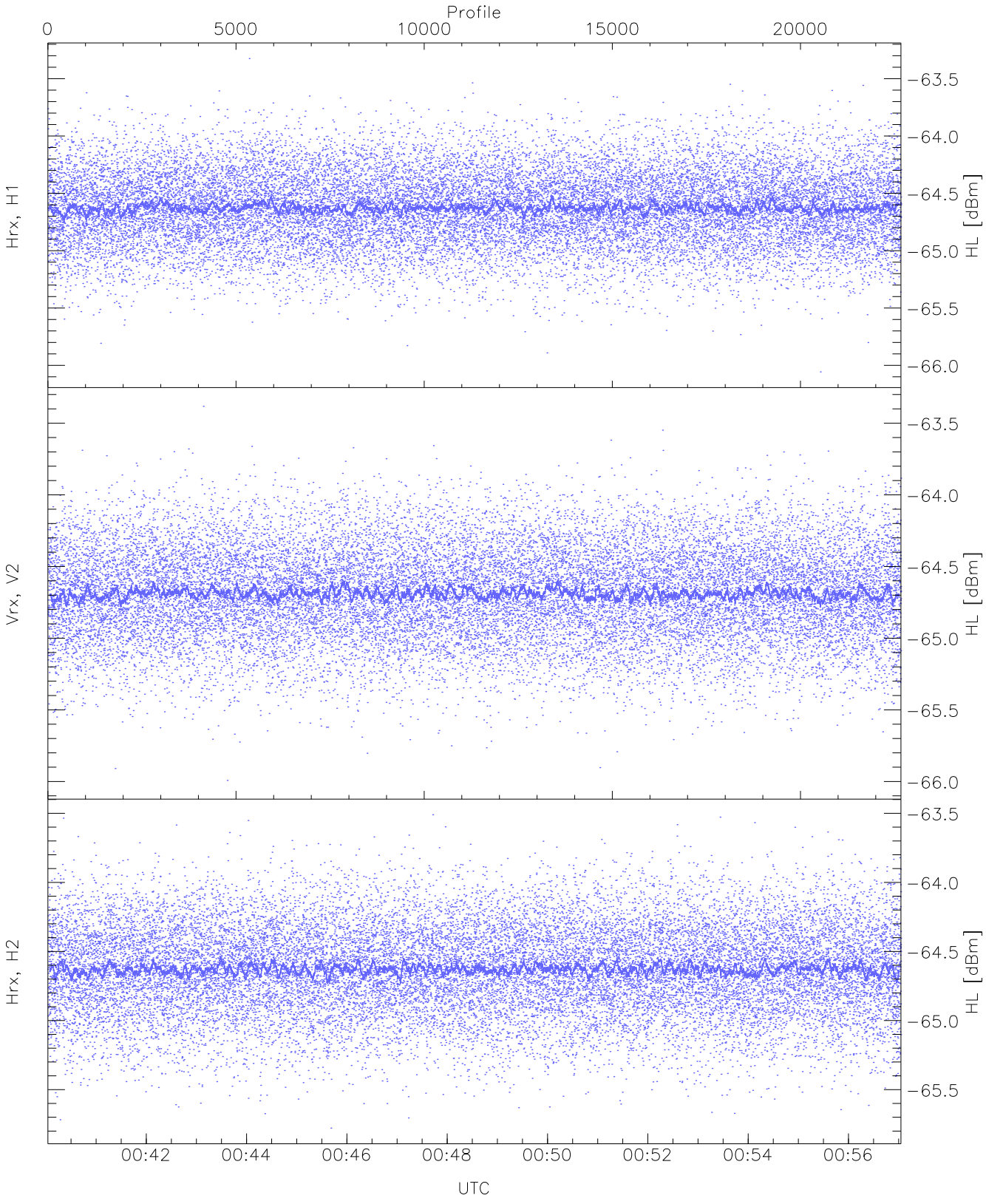
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.40	-65.13	-65.27	-65.27	-86.30
RMPHrxH1(std_dBm)	-76.06	-74.65	-75.29	-75.29	-89.06
RMPVrxV2(mean_dBm)	-65.09	-64.80	-64.92	-64.92	-86.03
RMPVrxV2(std_dBm)	-75.74	-74.21	-74.94	-74.94	-88.70
RMPHrxH2(mean_dBm)	-64.99	-64.72	-64.85	-64.85	-86.16
RMPHrxH2(std_dBm)	-75.64	-74.14	-74.87	-74.87	-88.65



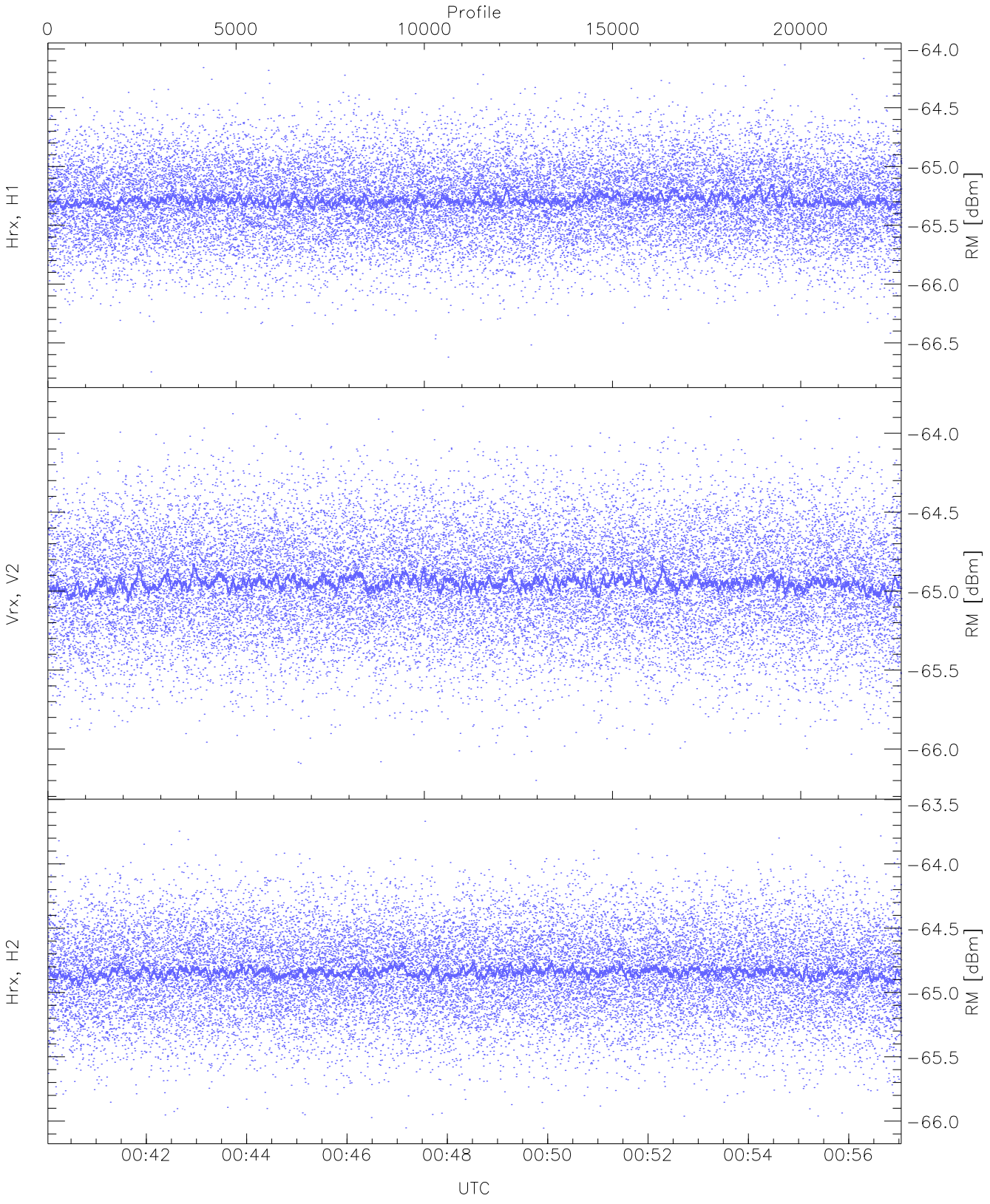
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.16	-63.76	-64.82	-64.83	-76.30
Vrx, V2(WL [dBm])	-66.05	-63.66	-64.87	-64.88	-76.35
Hrx, H2(WL [dBm])	-66.09	-63.56	-64.82	-64.82	-76.32



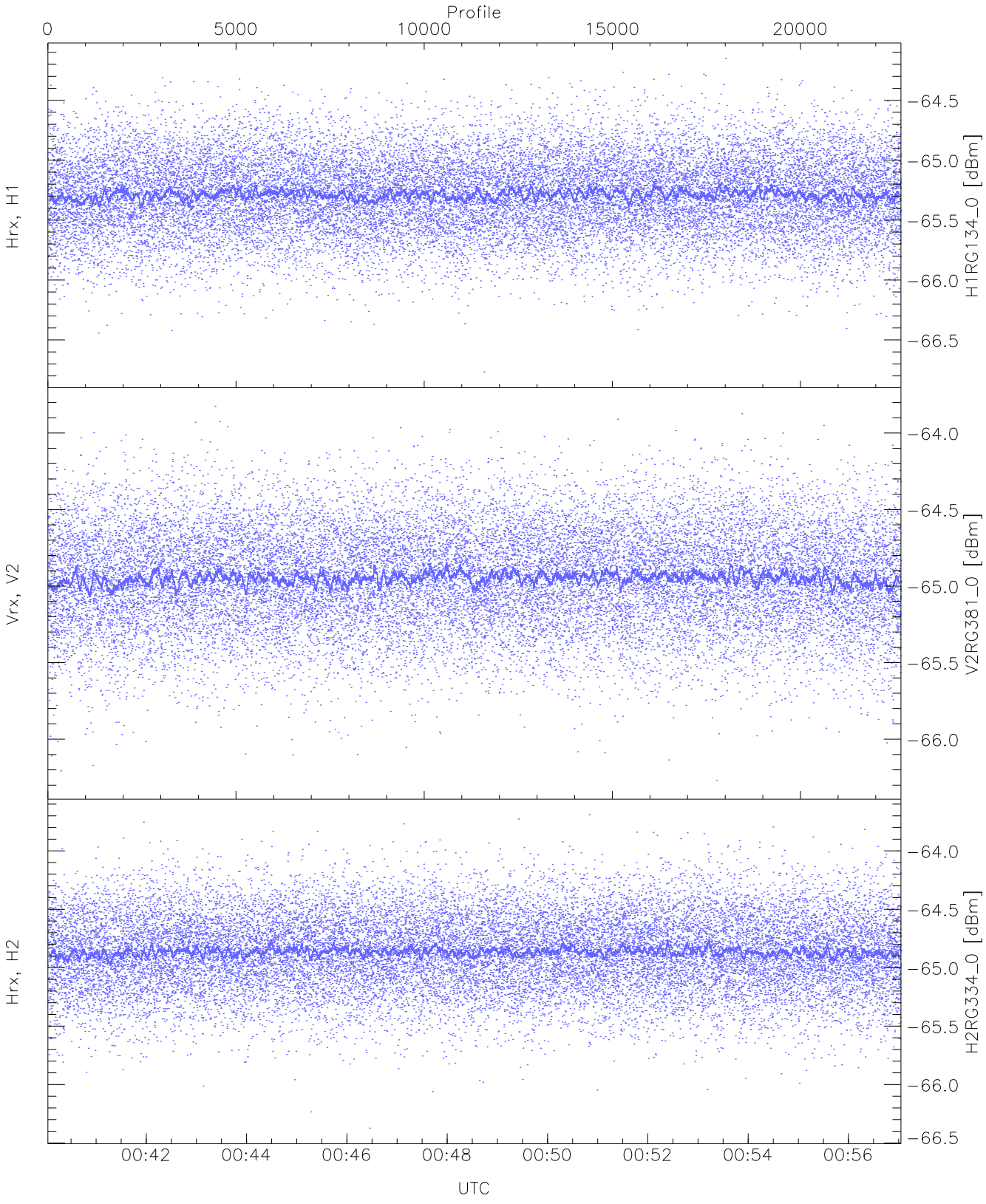
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-66.06	-63.32	-64.62	-64.63	-76.12
Vrx, V2(HL [dBm])	-65.99	-63.38	-64.68	-64.69	-76.19
Hrx, H2(HL [dBm])	-65.78	-63.51	-64.62	-64.63	-76.15



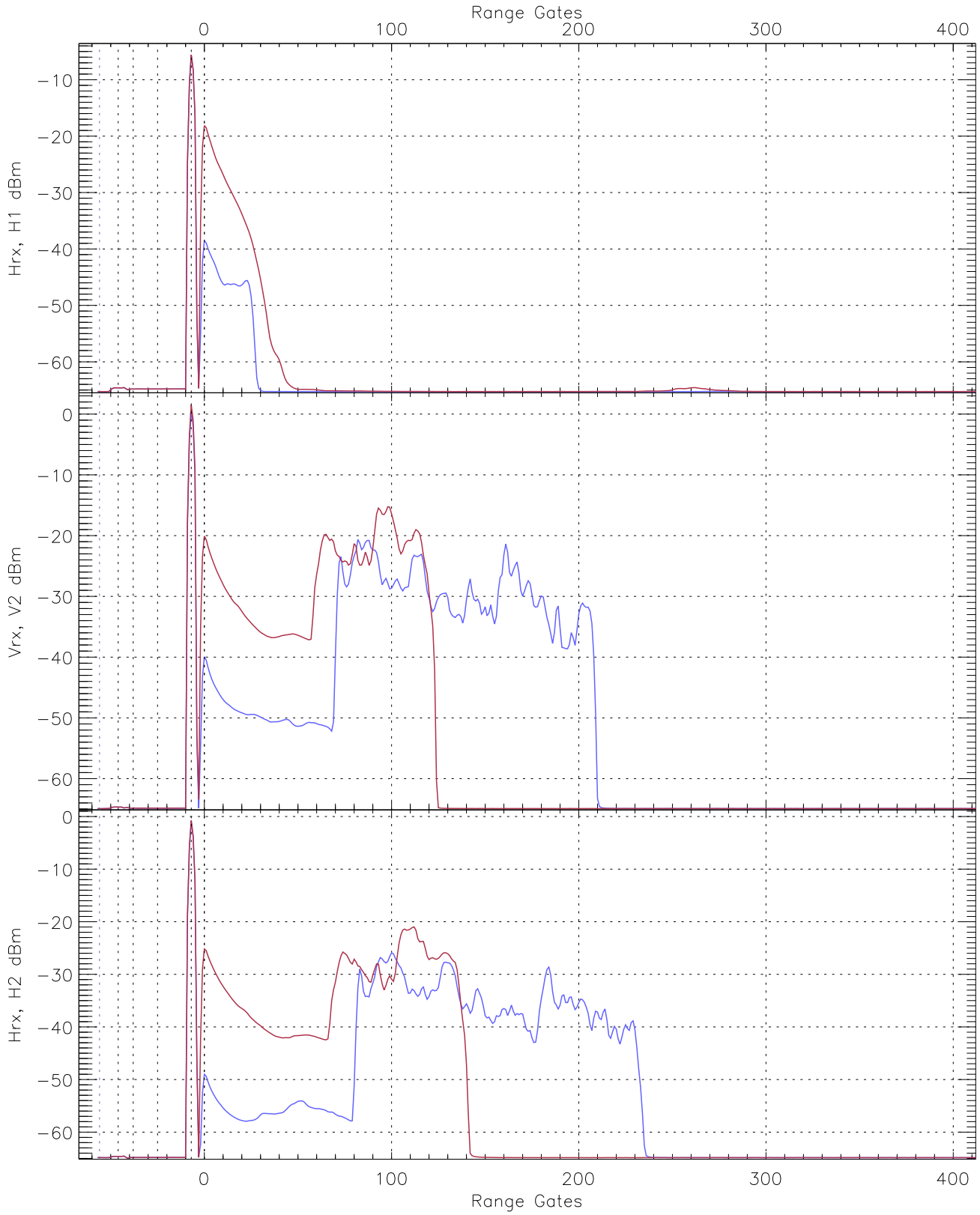
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.75	-64.08	-65.28	-65.29	-76.79
Vrx, V2(RM [dBm])	-66.20	-63.83	-64.94	-64.95	-76.46
Hrx, H2(RM [dBm])	-66.05	-63.62	-64.84	-64.84	-76.33

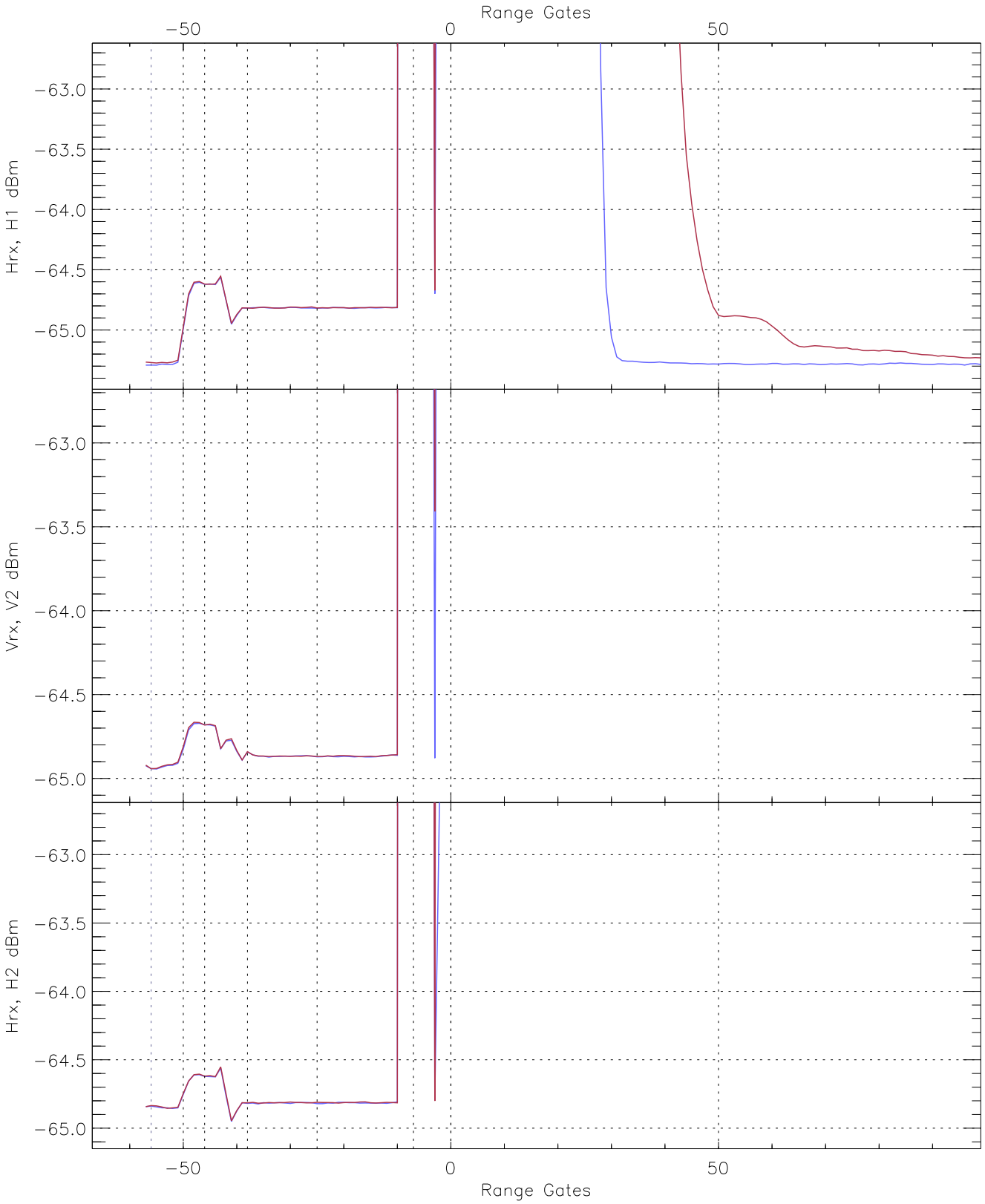


WCR3 CPP "Best" estimate Receivers Noise Power

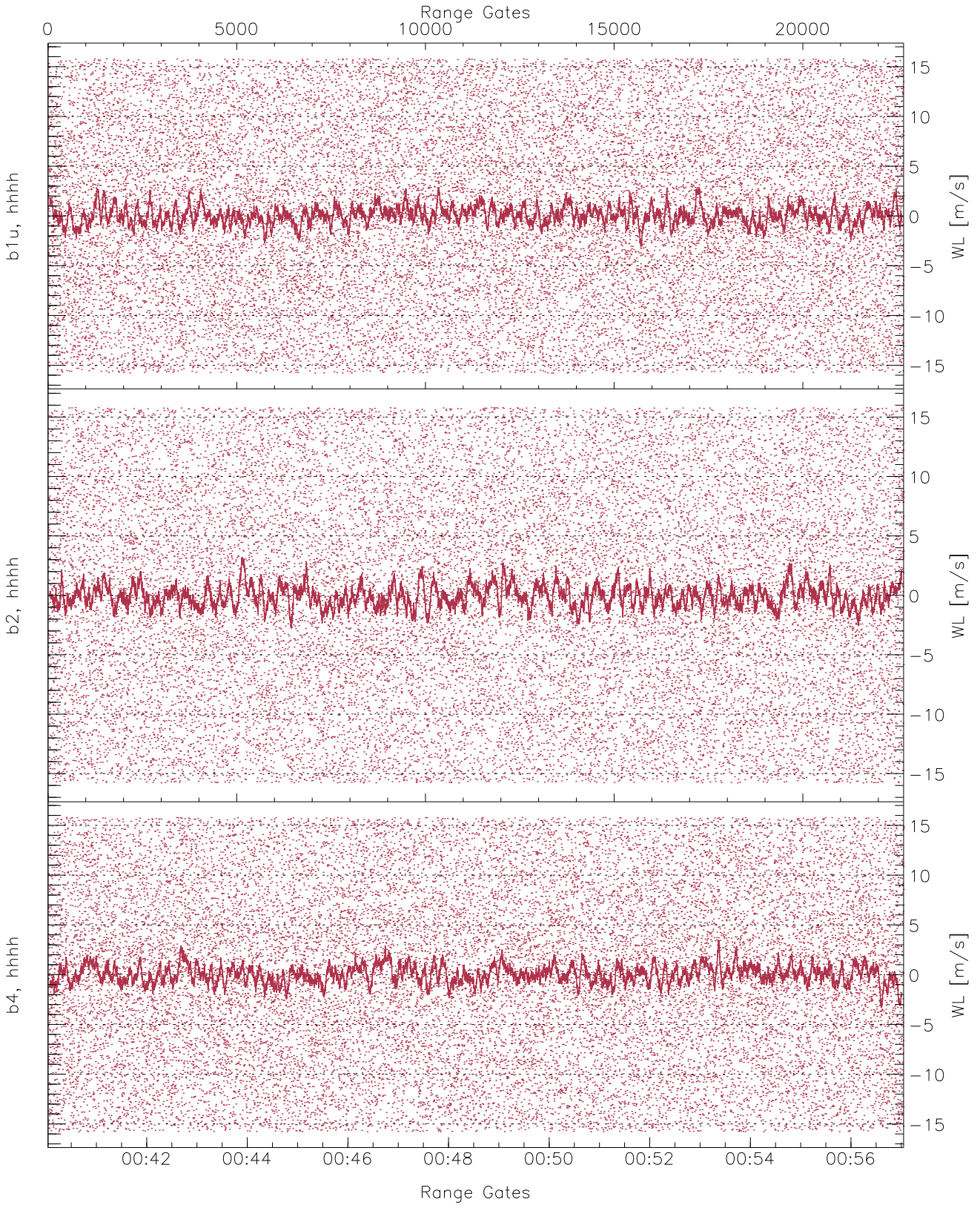
	Min	Max	Mean	Median	StDev
H1RG134_0 [dBm]	-66.77	-64.15	-65.28	-65.29	-76.82
V2RG381_0 [dBm]	-66.27	-63.83	-64.94	-64.95	-76.45
H2RG334_0 [dBm]	-66.37	-63.69	-64.86	-64.87	-76.36



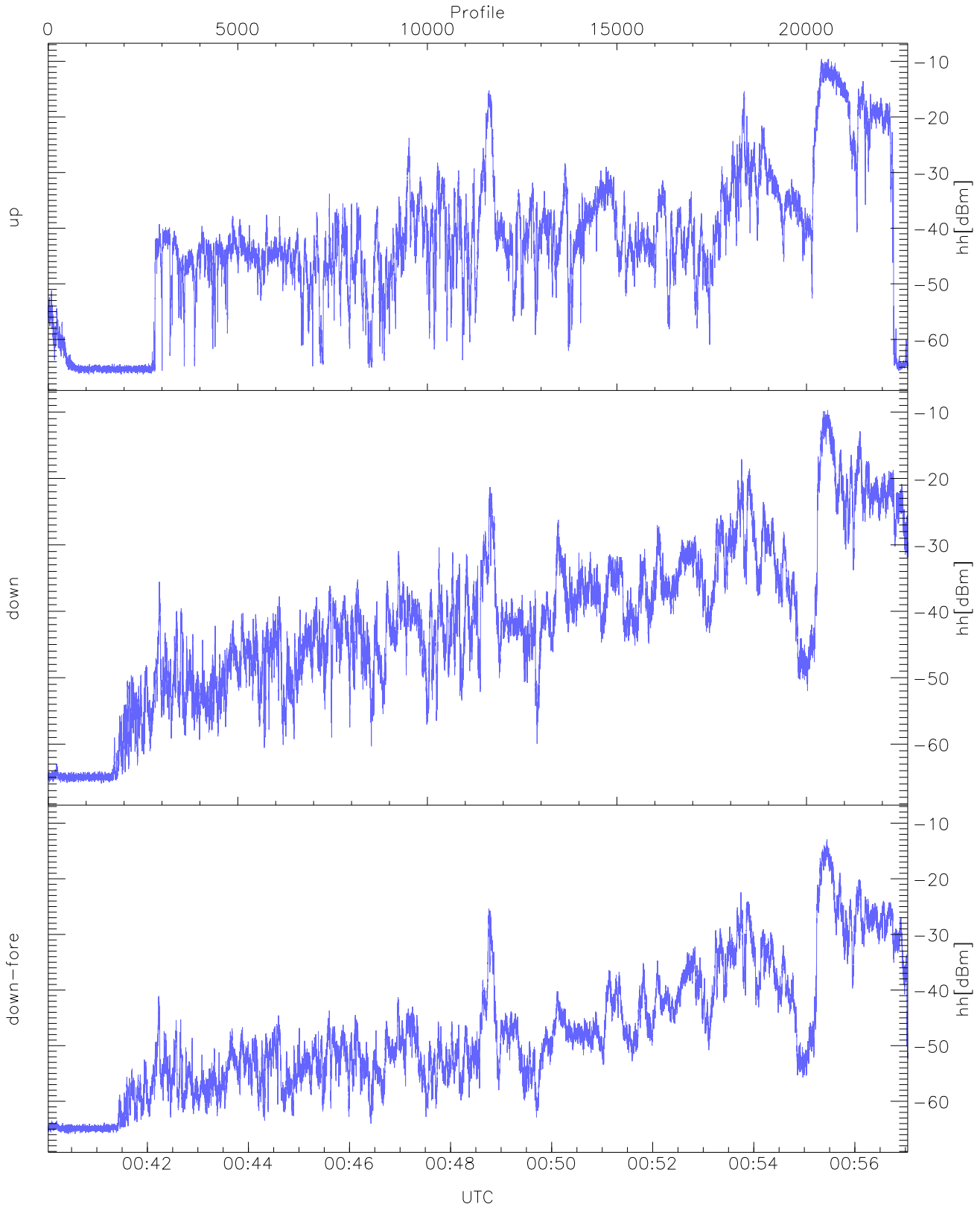
WCR3 CPP Averaged Received power for all recorded gates
blue: 004002-004833, 11337 profiles averaged
red: 004833-005703, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 004002-004833, 11337 profiles averaged
red: 004833-005703, 11336 profiles averaged

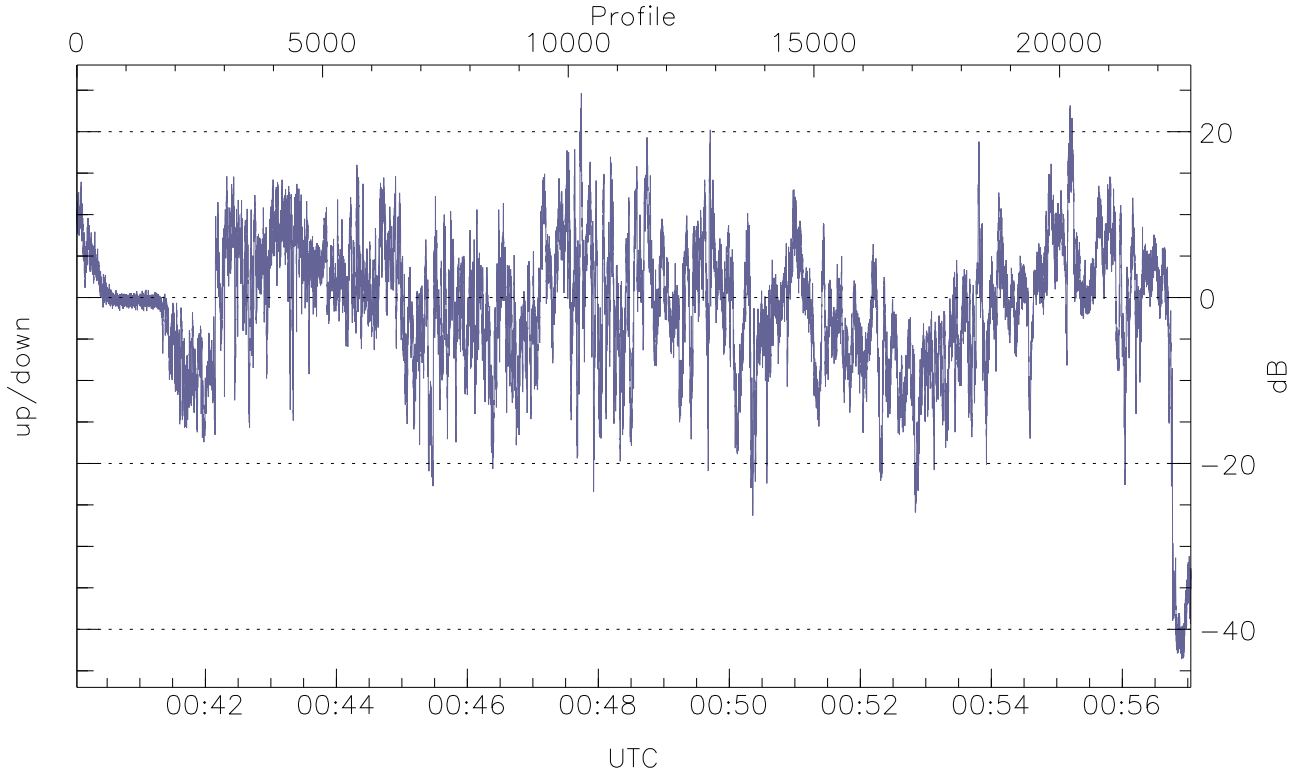


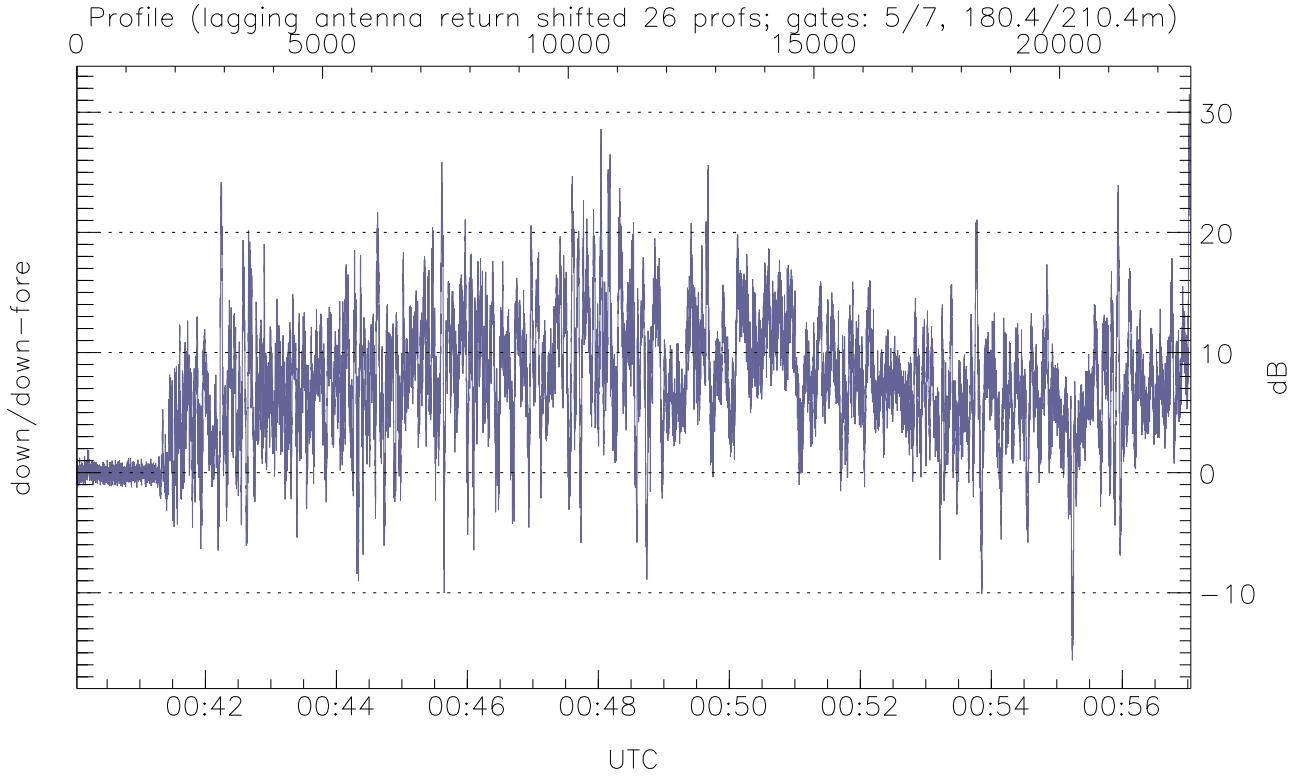
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

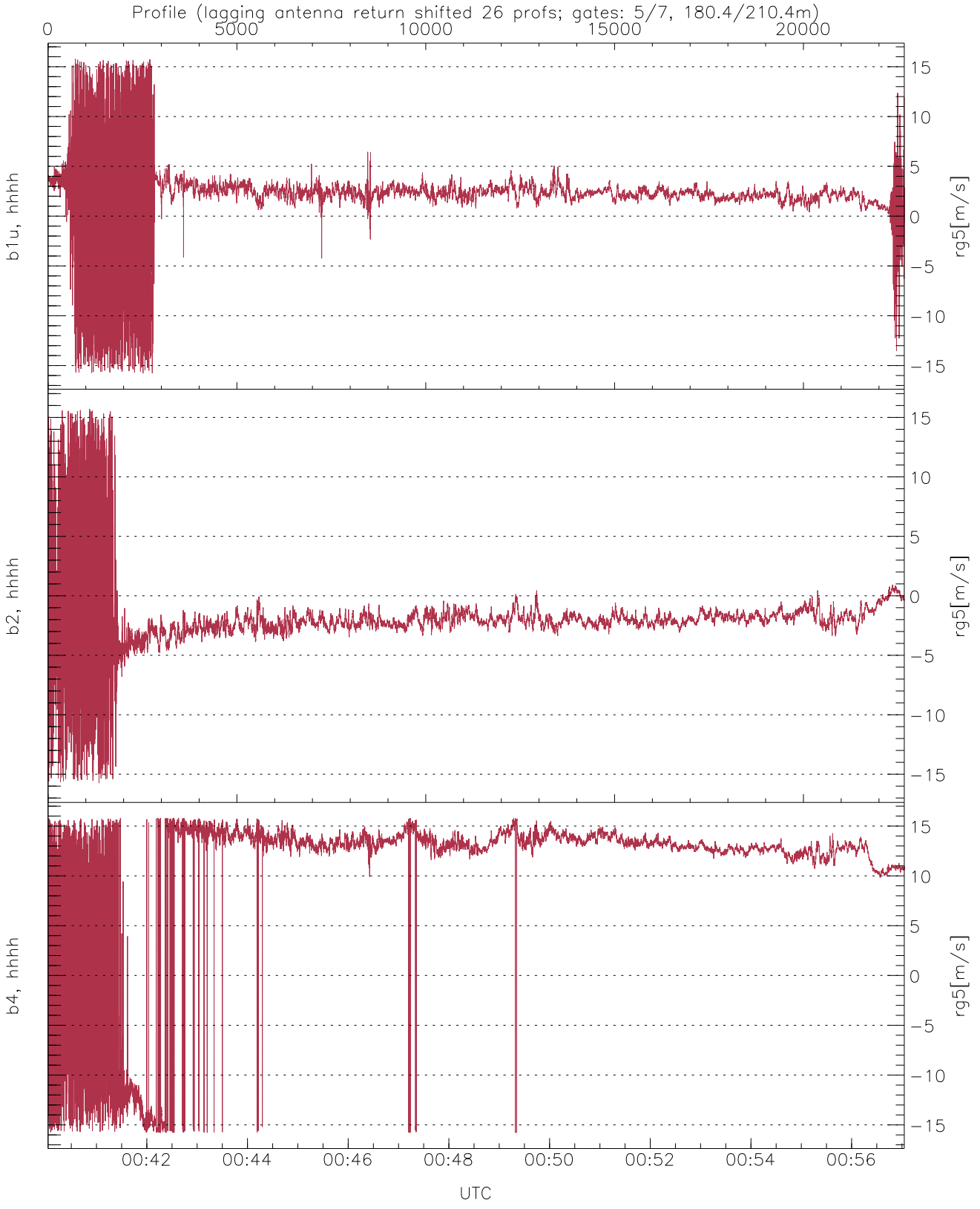
	Min	Max	Mean
up(hh[dBm])	-66.34	-9.59	-25.81
down(hh[dBm])	-65.93	-9.71	-27.51
down-fore(hh[dBm])	-65.87	-12.91	-32.06





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

	Min	Max	Mean
up/down(dB)	-43.59	24.62	-1.23
down/down-fore(dB)	-15.62	31.48	7.17



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.77	2.14	2.86
b2, hhhh(rg5[m/s])	-15.75	15.70	-1.95	2.42
b4, hhhh(rg5[m/s])	-15.79	15.79	10.60	7.63