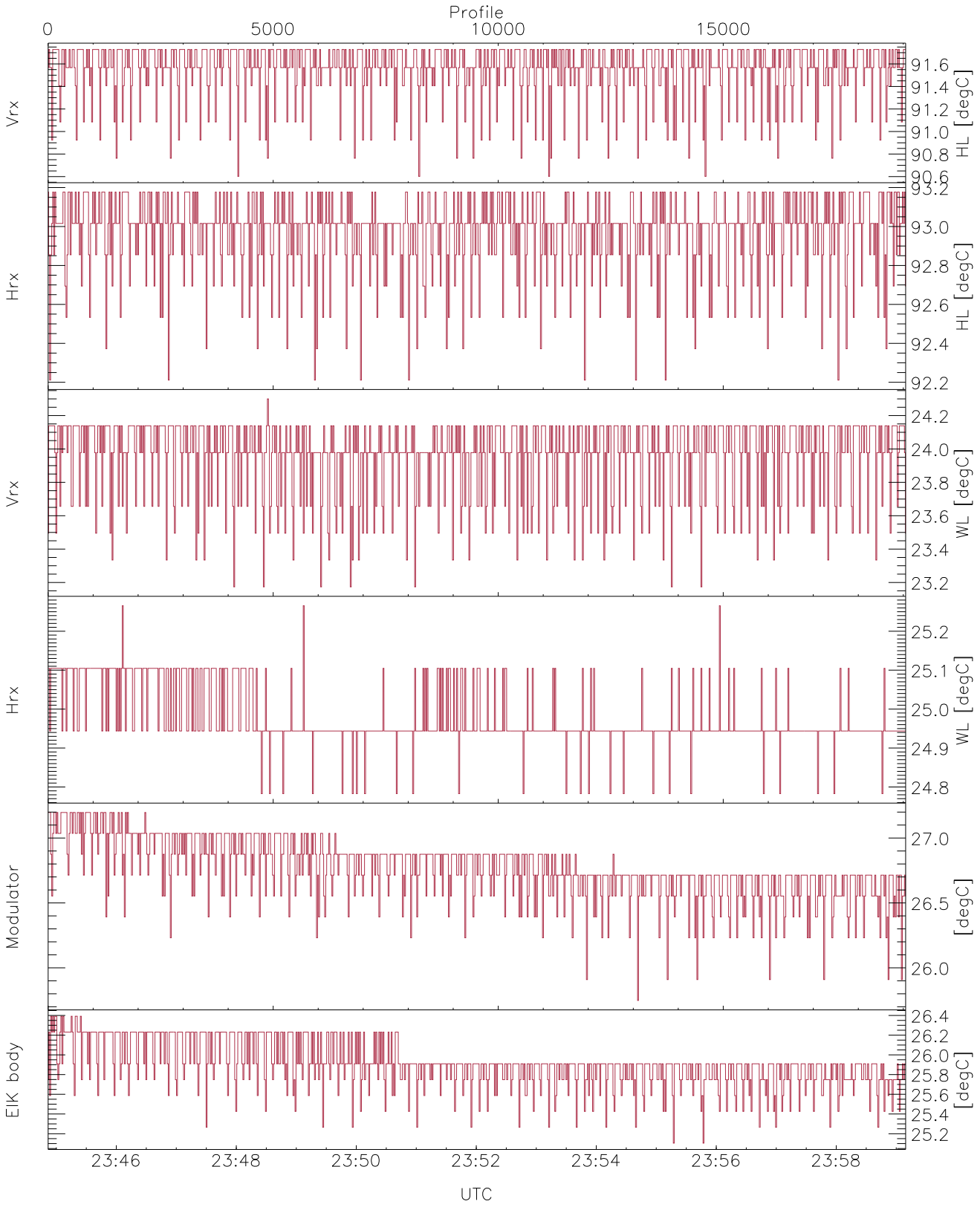
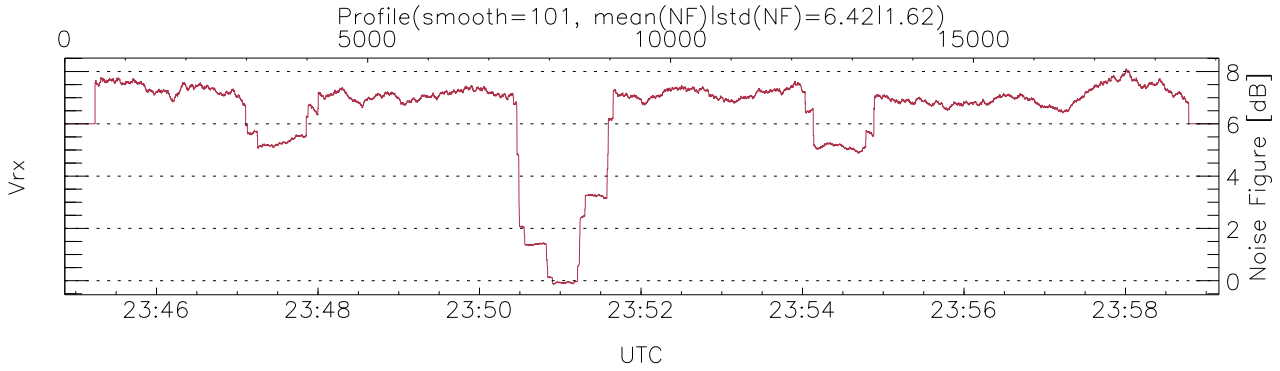
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

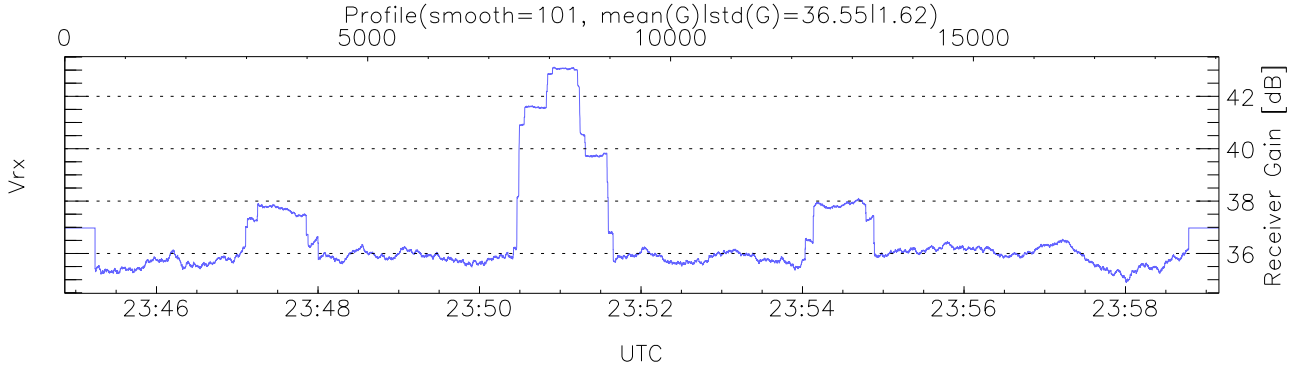
UTC: 23:44:52-23:59:09, TimeCor: 0.00s, Dur: 857.60s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 19054/19054, 0-19053/23:44:52-23:59:09
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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

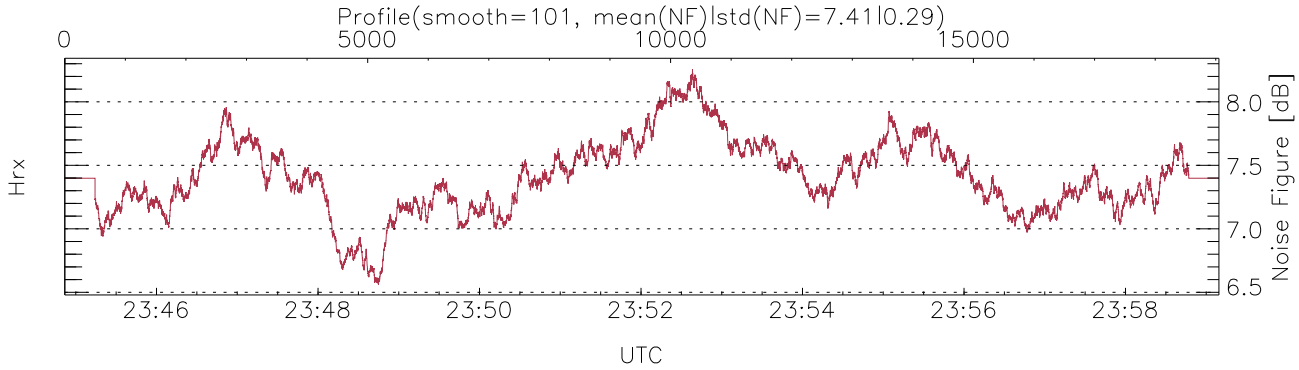


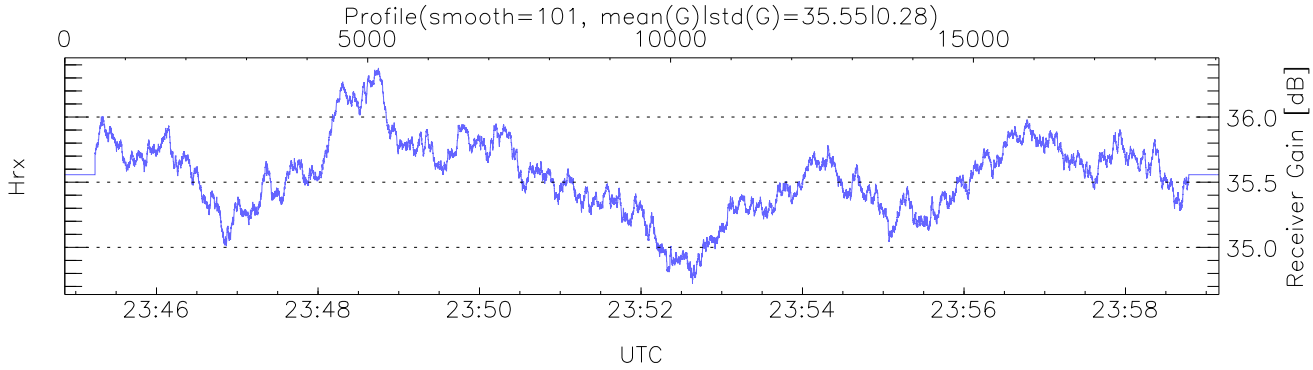
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,23,24,25,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,24,25,27,26
LOalarm(20,240,2817,14861 MHz): 0,0,46,0
EIK Faults(# prof affected):
BodyCurr,DeckF (22,22)



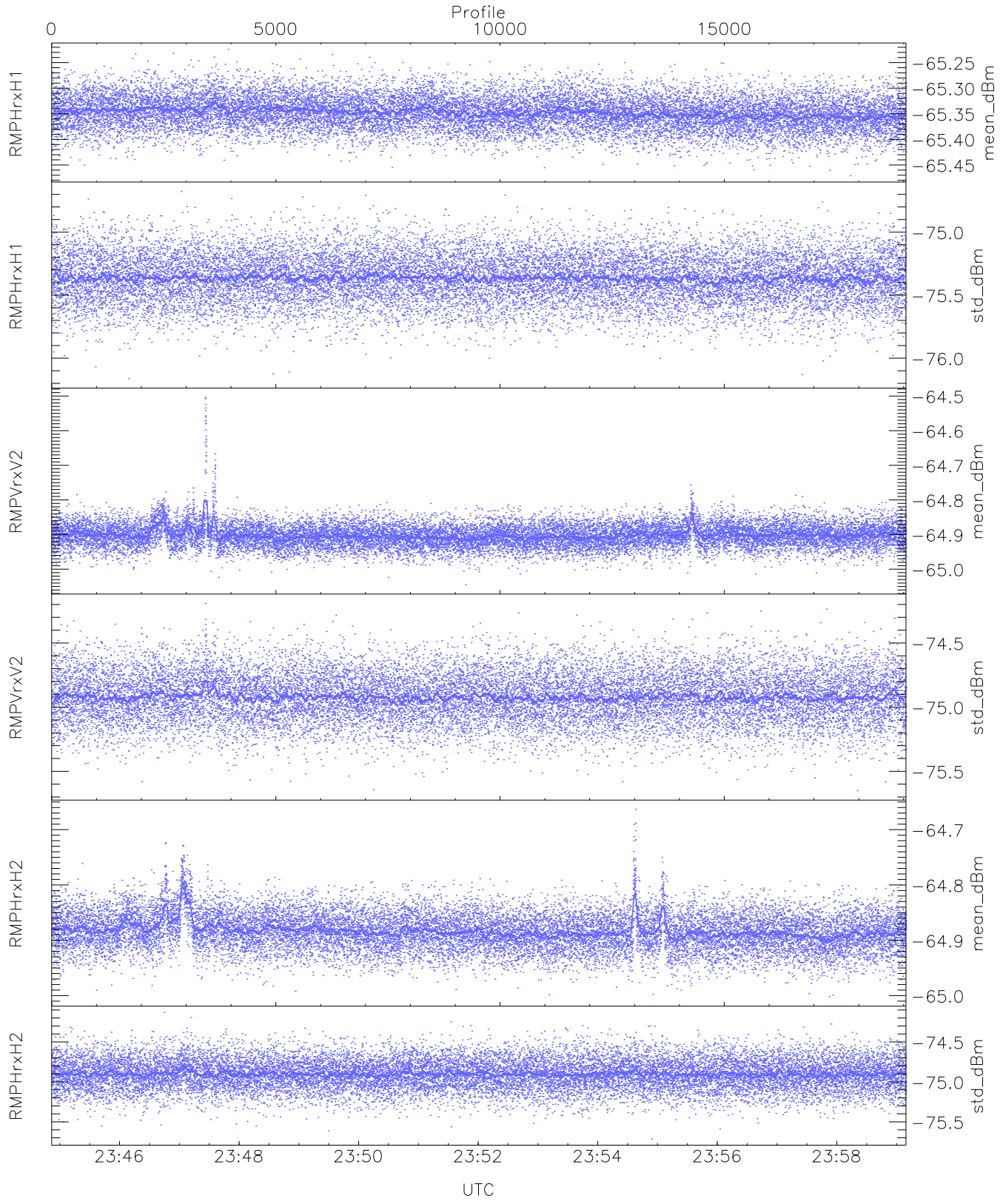






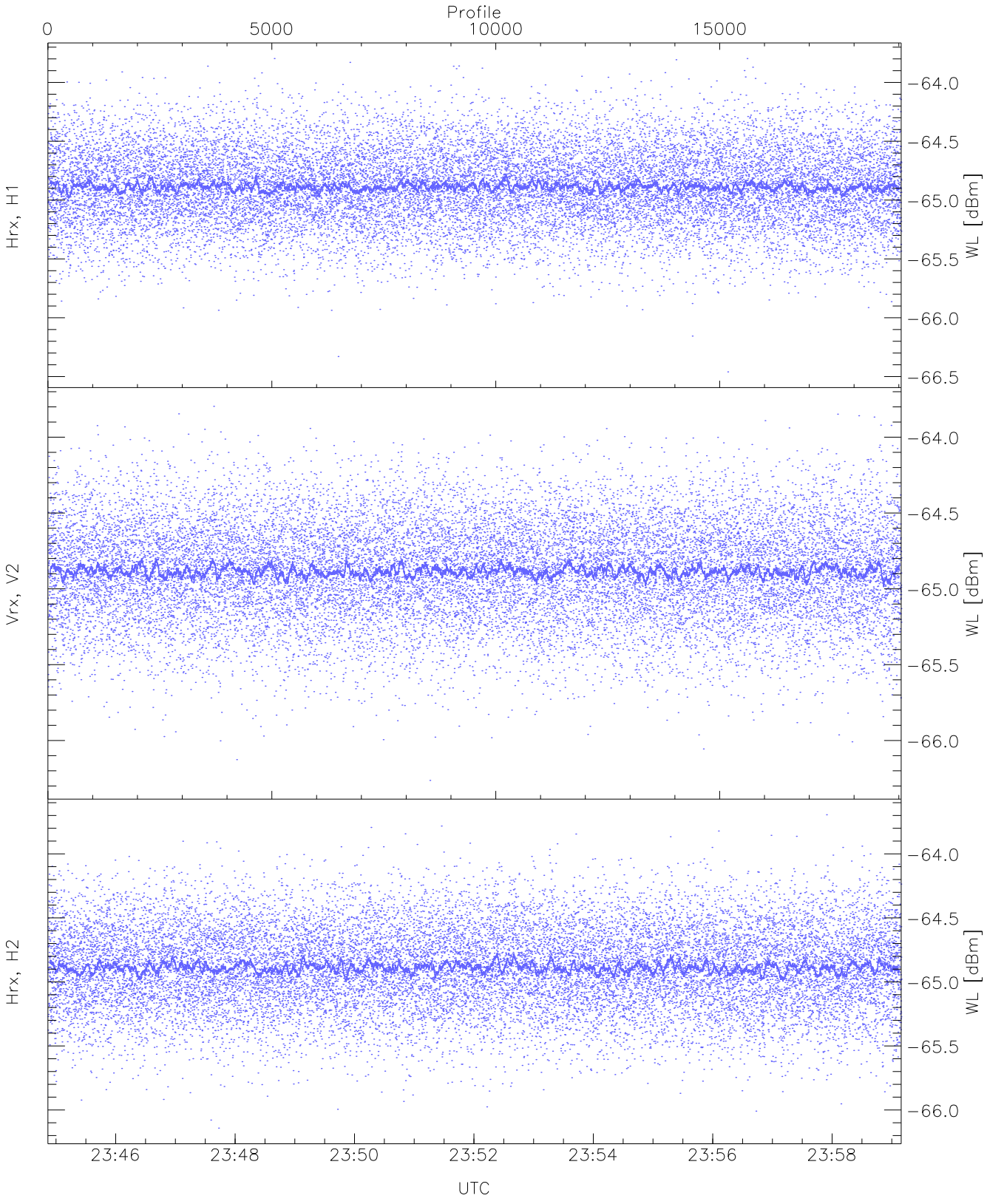
WCR3 CPP Receivers Gain and Noise Figure

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



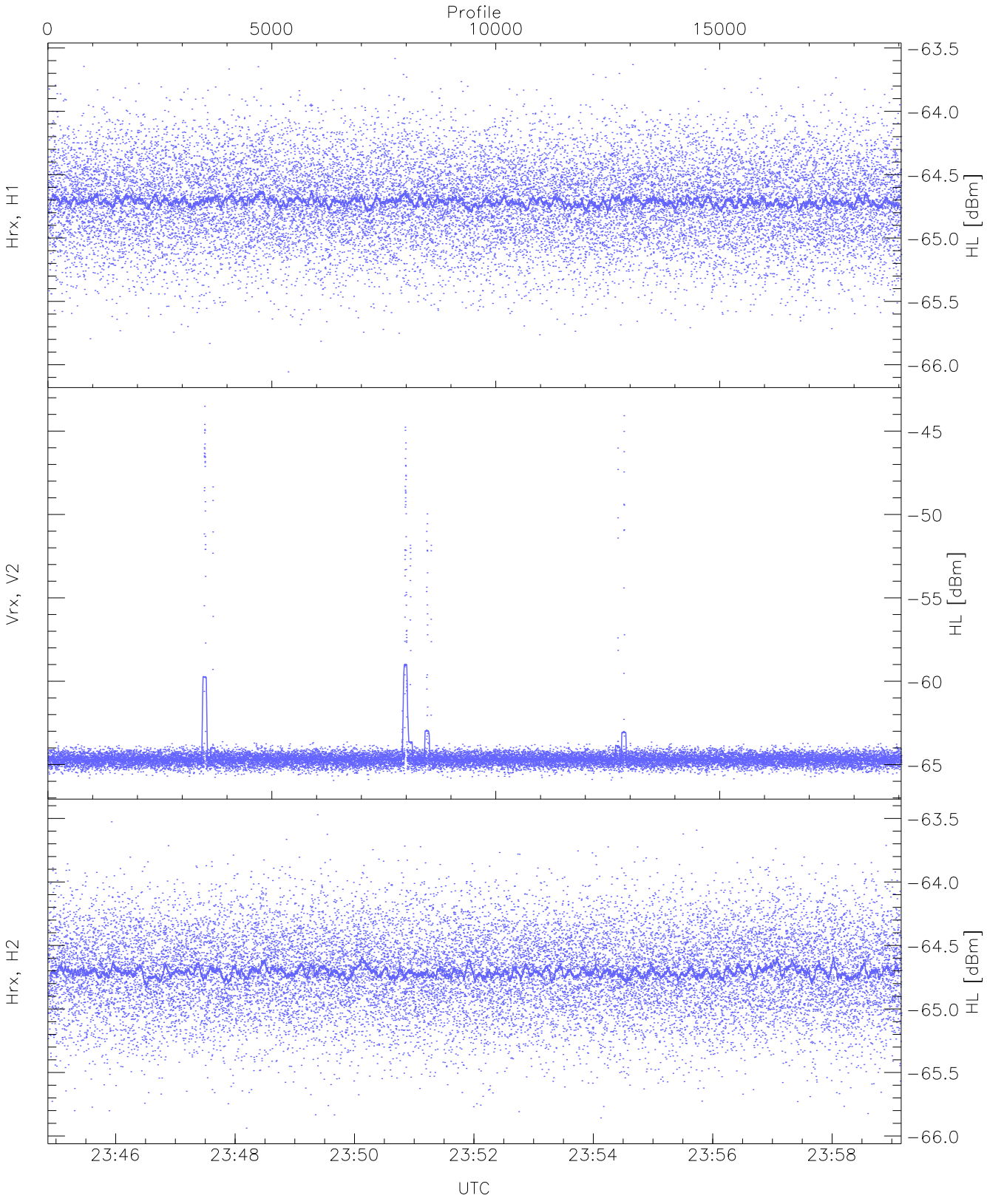
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.47	-65.22	-65.35	-65.35	-86.85
RMPHrxH1(std_dBm)	-76.16	-74.68	-75.36	-75.37	-89.17
RMPVrxV2(mean_dBm)	-65.04	-64.50	-64.90	-64.90	-85.95
RMPVrxV2(std_dBm)	-75.65	-74.19	-74.92	-74.92	-88.72
RMPHrxH2(mean_dBm)	-65.00	-64.66	-64.88	-64.88	-86.06
RMPHrxH2(std_dBm)	-75.71	-74.13	-74.90	-74.90	-88.71



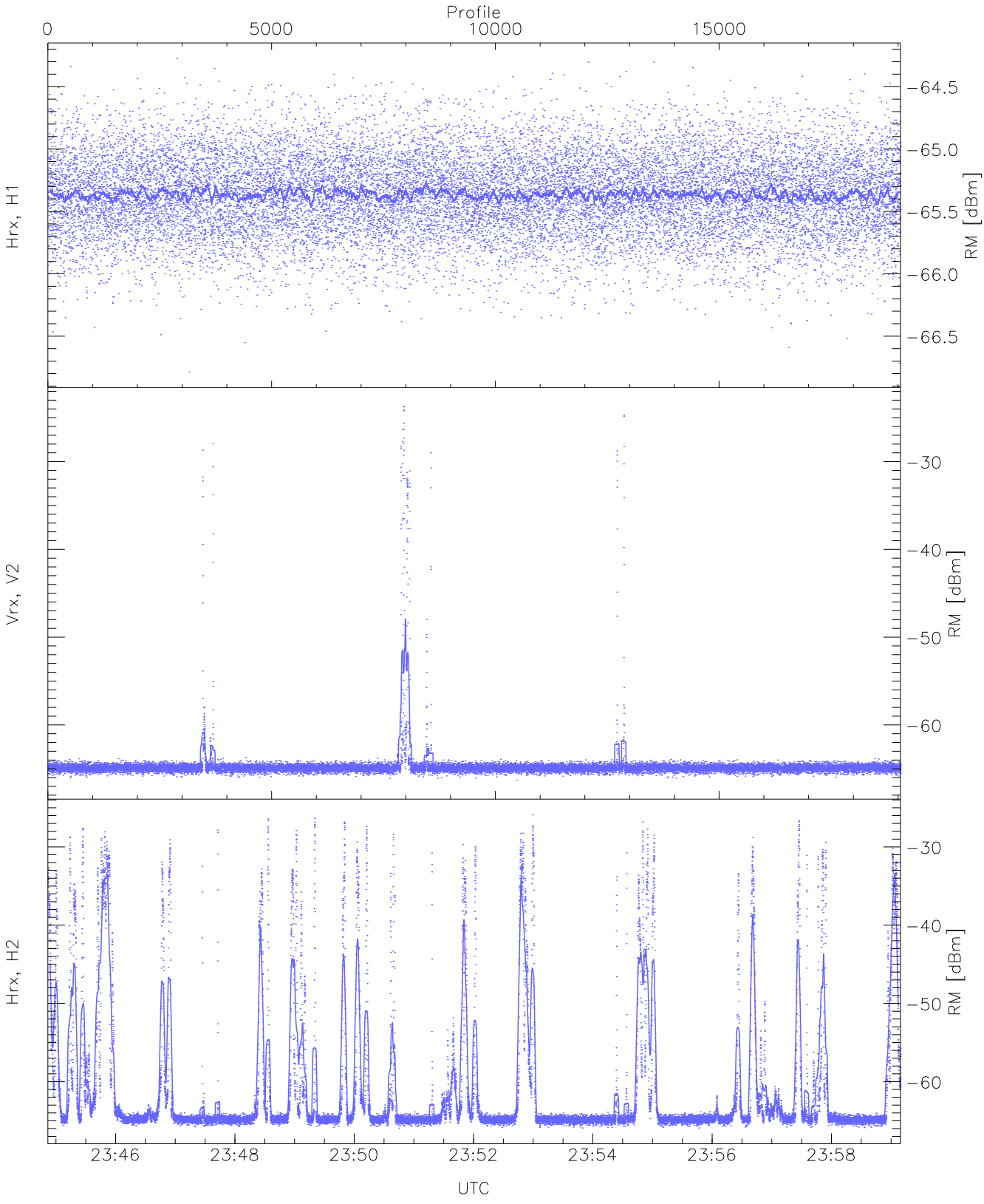
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.46	-63.80	-64.88	-64.89	-76.36
Vrx, V2(WL [dBm])	-66.26	-63.80	-64.88	-64.88	-76.40
Hrx, H2(WL [dBm])	-66.14	-63.69	-64.88	-64.89	-76.35



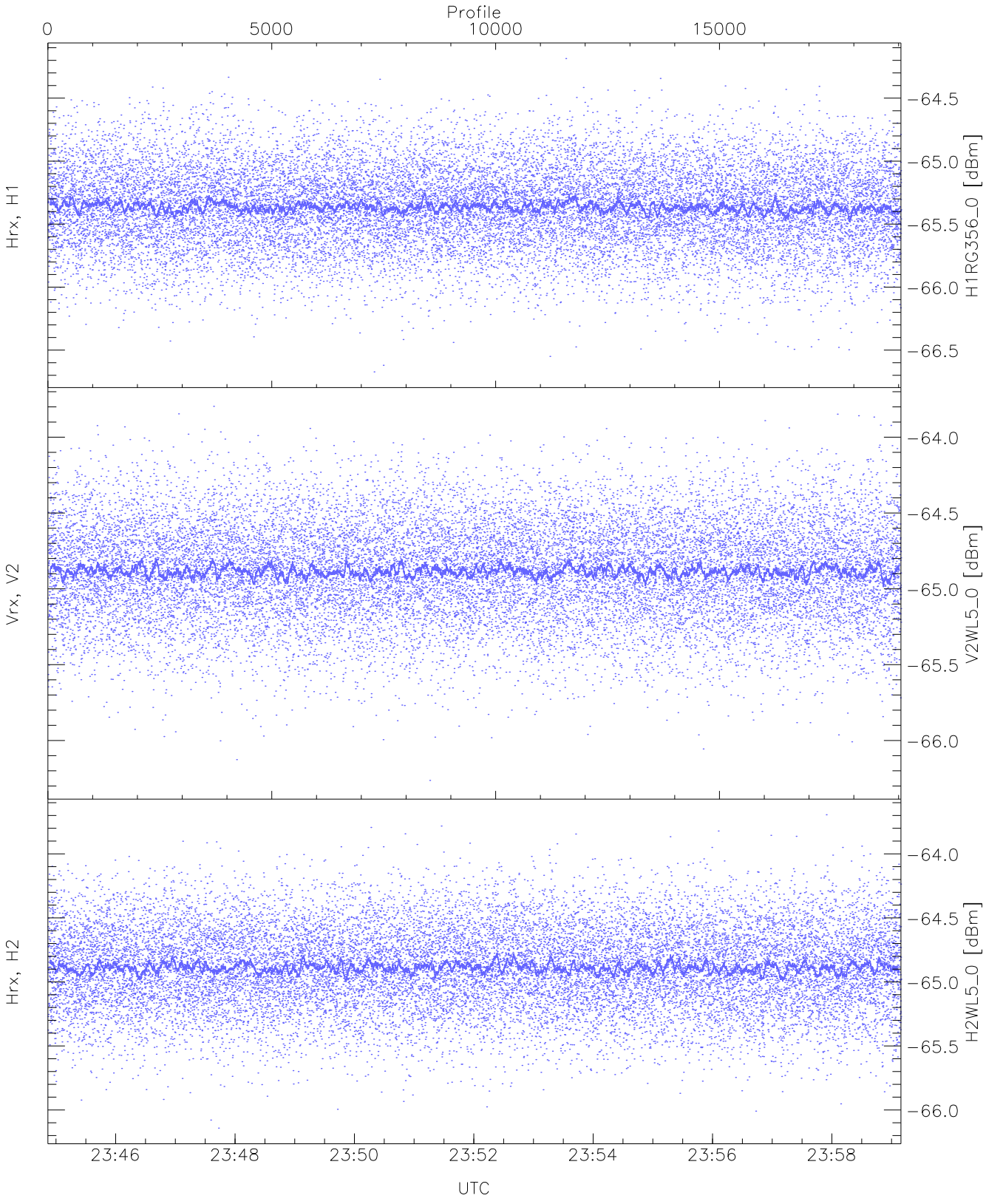
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-66.06	-63.58	-64.70	-64.71	-76.20
Vrx, V2(HL [dBm])	-65.95	-43.51	-63.87	-64.70	-59.30
Hrx, H2(HL [dBm])	-65.94	-63.47	-64.70	-64.71	-76.20



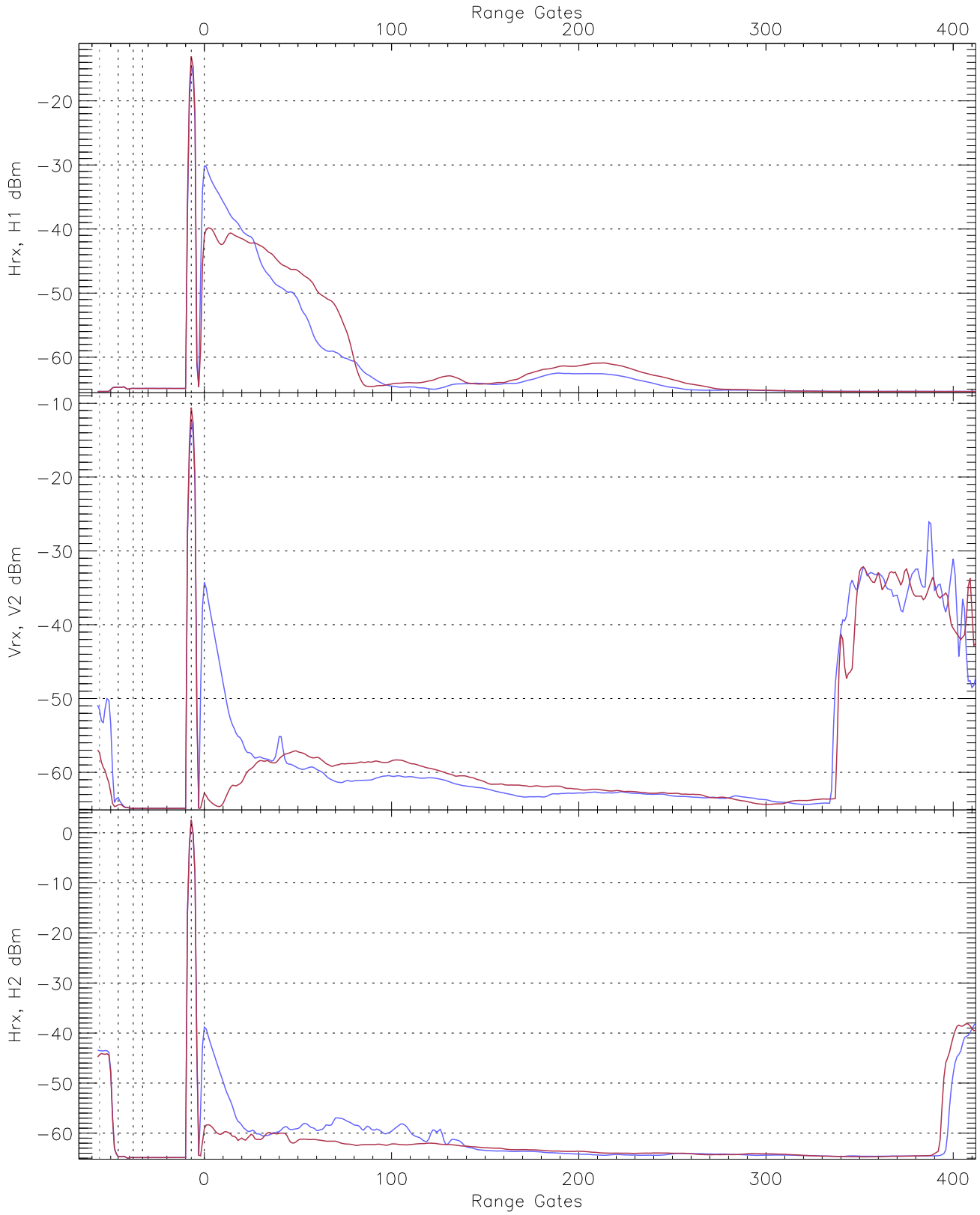
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.79	-64.28	-65.36	-65.36	-76.86
Vrx, V2(RM [dBm])	-66.32	-23.70	-53.53	-64.90	-40.52
Hrx, H2(RM [dBm])	-65.94	-25.89	-43.90	-64.57	-37.74

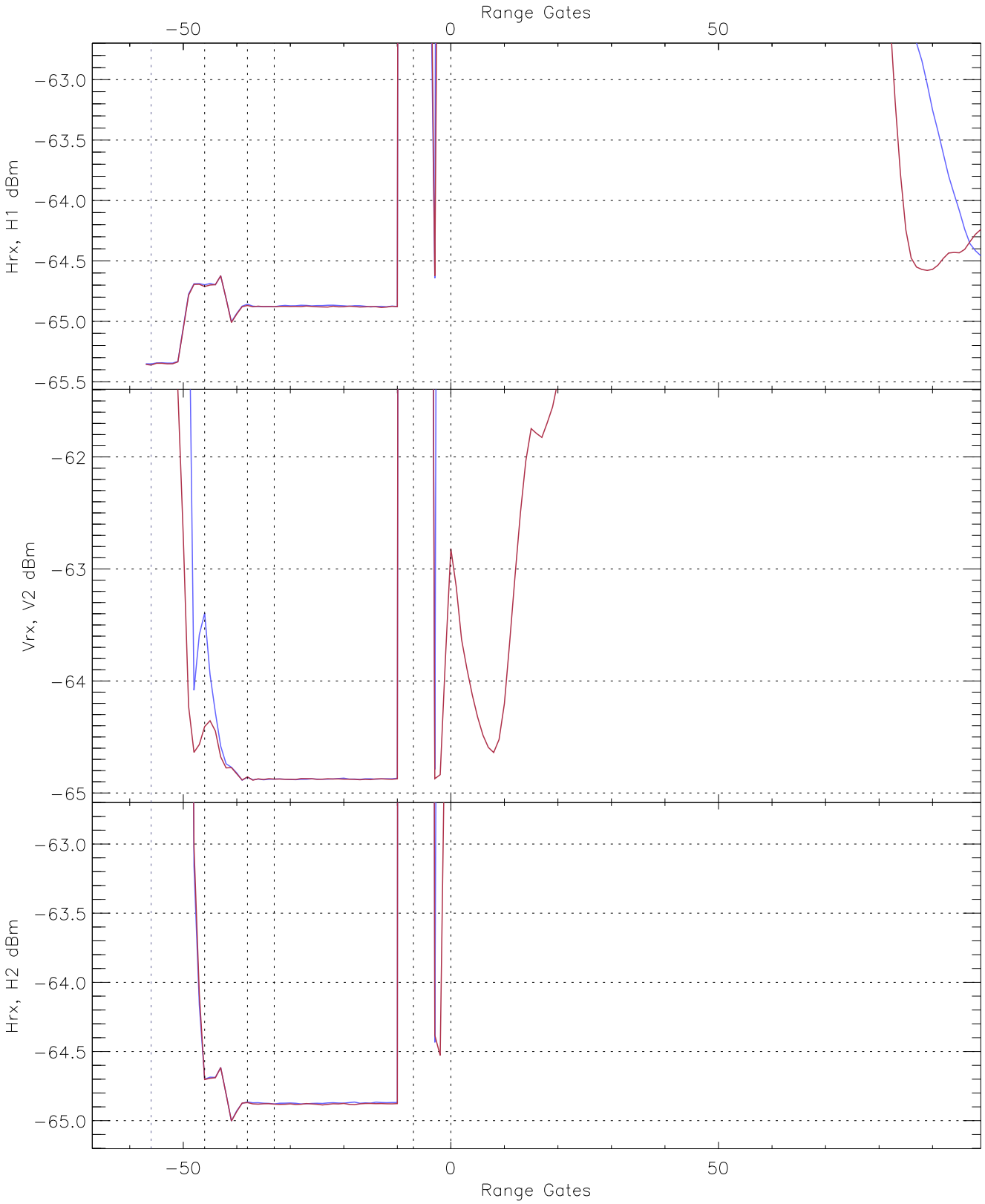


WCR3 CPP "Best" estimate Receivers Noise Power

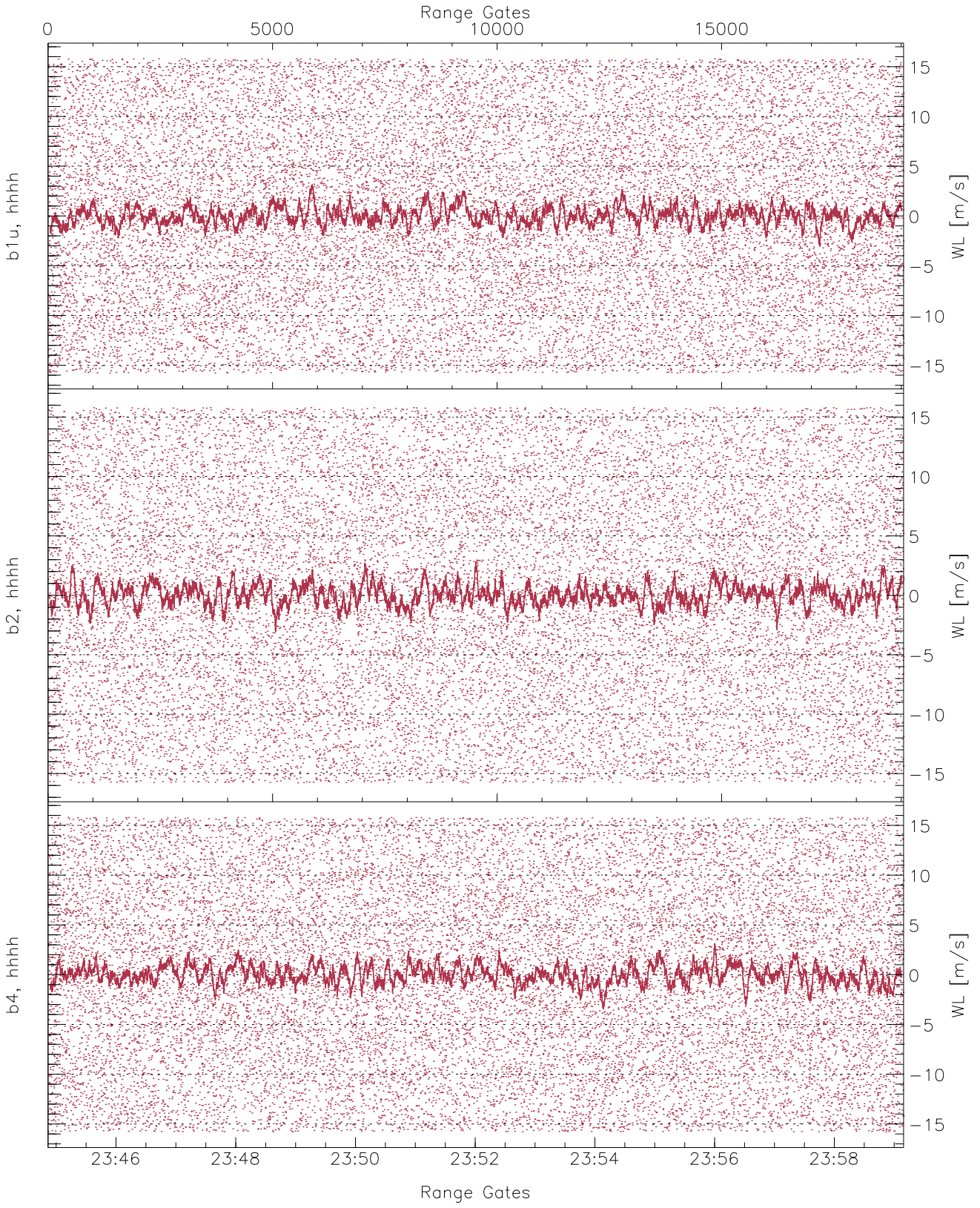
	Min	Max	Mean	Median	StDev
H1RG356_0 [dBm]	-66.67	-64.19	-65.36	-65.36	-76.87
V2WL5_0 [dBm]	-66.26	-63.80	-64.88	-64.88	-76.40
H2WL5_0 [dBm]	-66.14	-63.69	-64.88	-64.89	-76.35



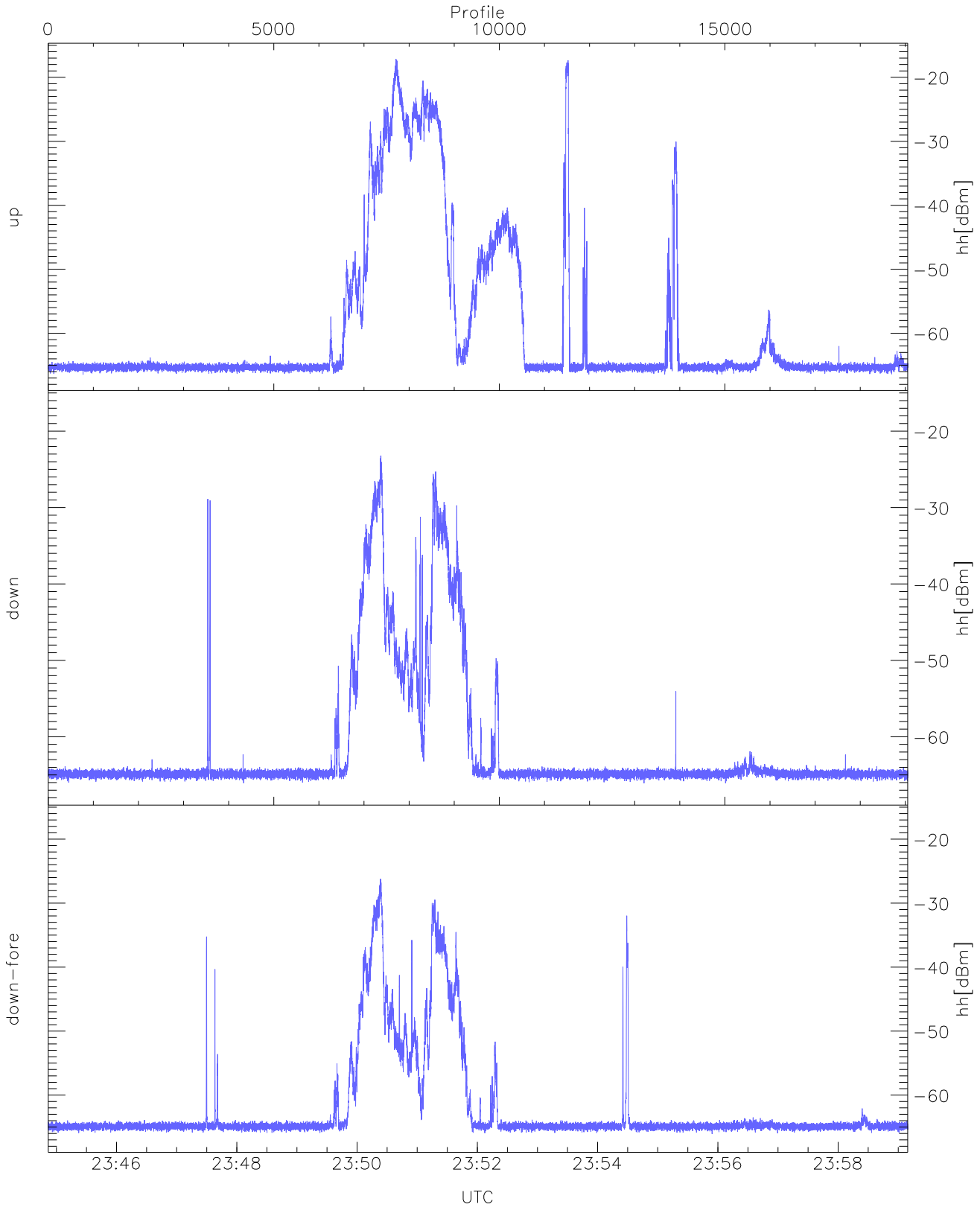
WCR3 CPP Averaged Received power for all recorded gates
blue: 234452-235201, 9528 profiles averaged
red: 235201-235909, 9527 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 234452-235201, 9528 profiles averaged
red: 235201-235909, 9527 profiles averaged

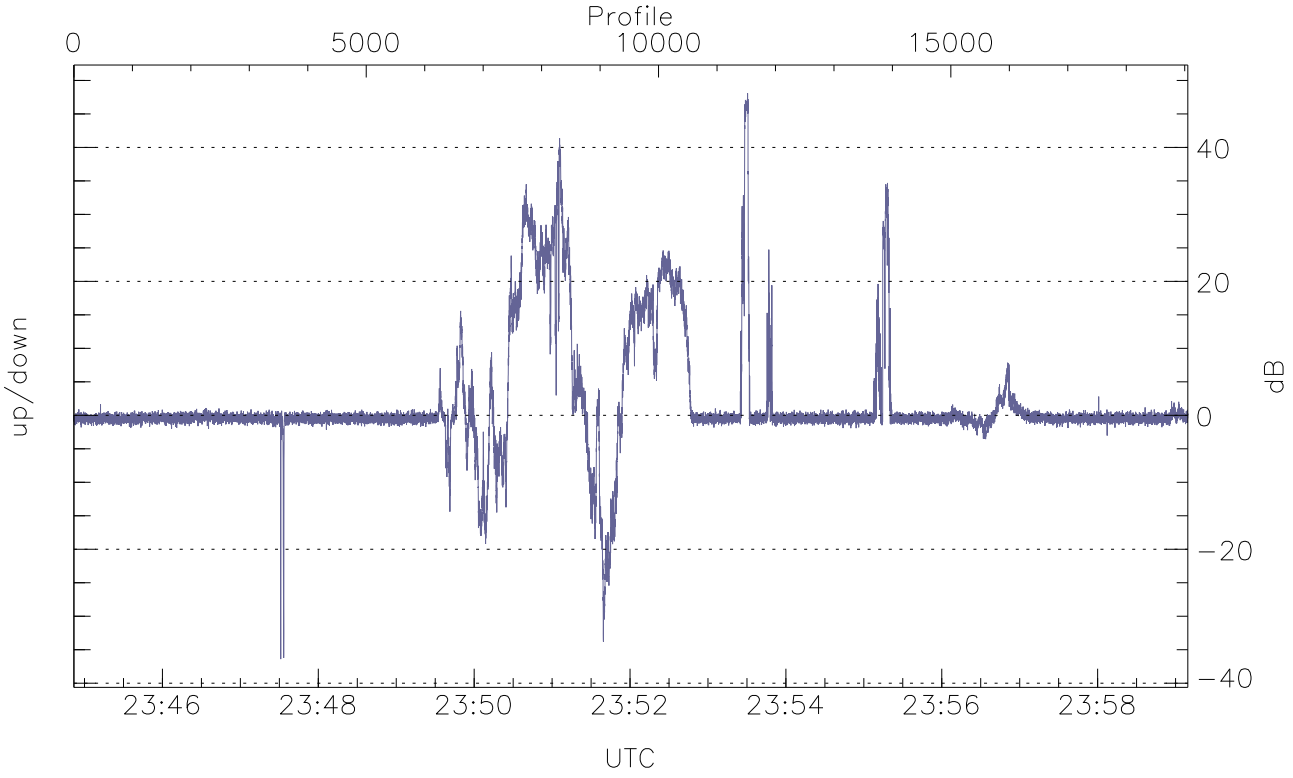


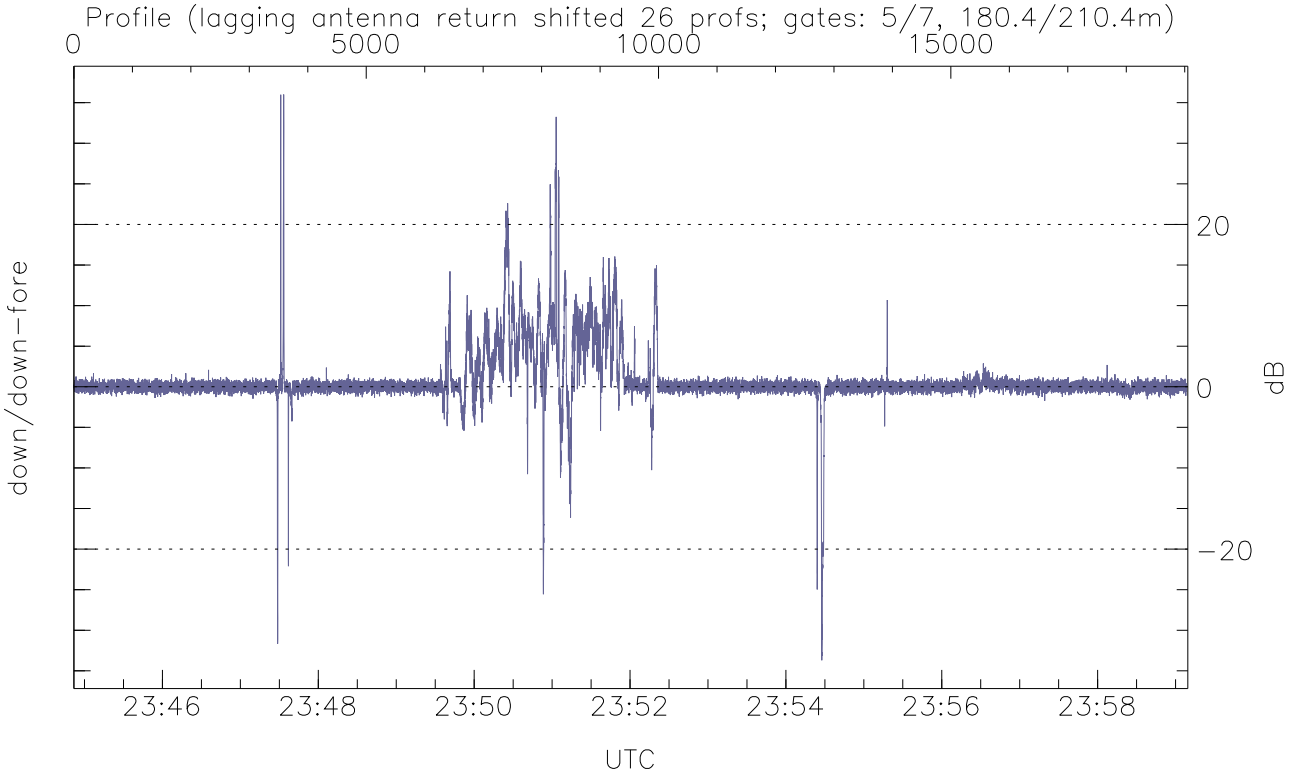
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

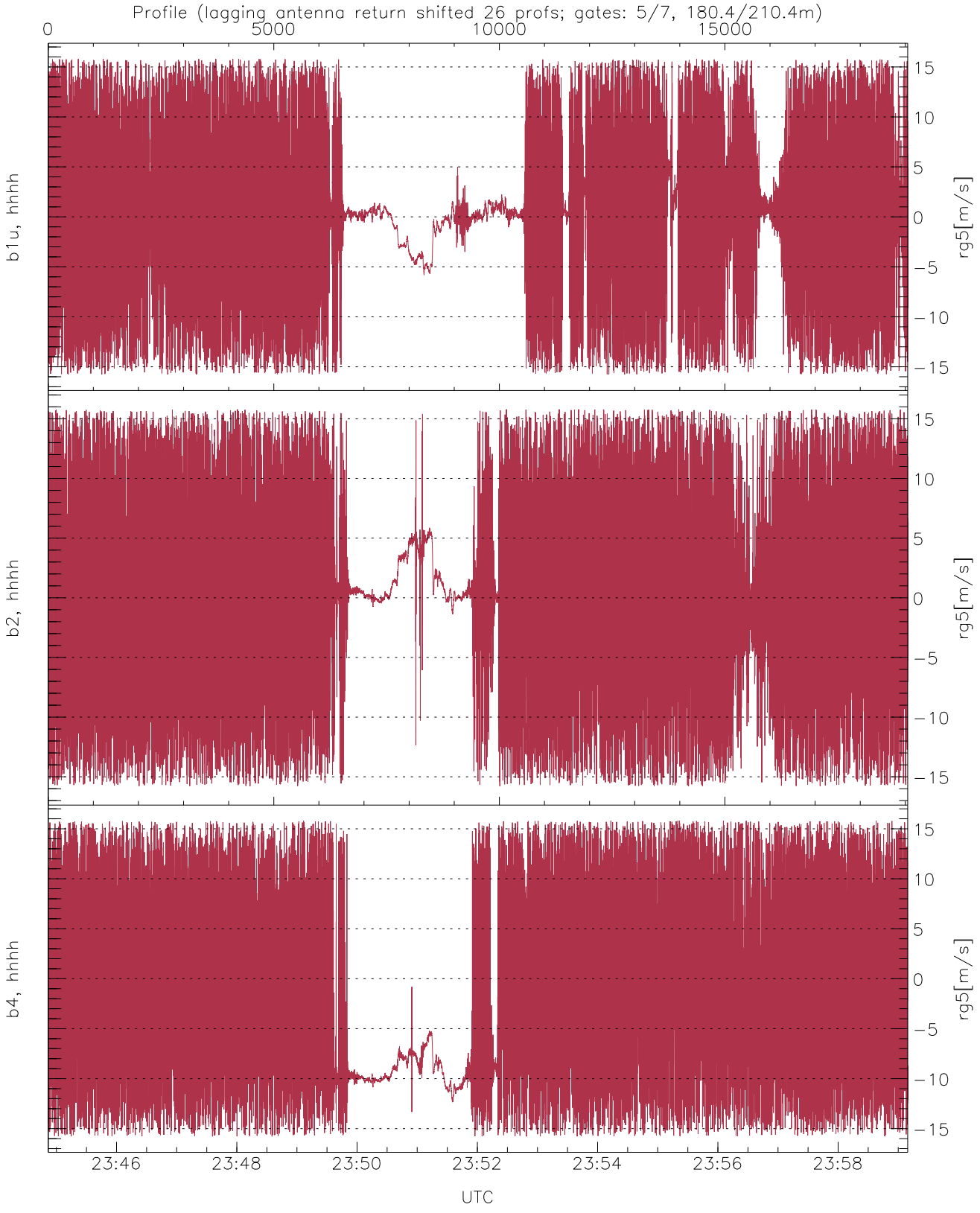
	Min	Max	Mean
up(hh[dBm])	-66.48	-17.14	-35.43
down(hh[dBm])	-66.09	-23.20	-43.81
down-fore(hh[dBm])	-66.07	-26.20	-46.93





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

	Min	Max	Mean
up/down(dB)	-36.40	48.08	1.98
down/down-fore(dB)	-33.70	36.01	0.76



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.77	15.79	0.07	7.22
b2, hhhh(rg5[m/s])	-15.79	15.79	0.28	7.64
b4, hhhh(rg5[m/s])	-15.79	15.79	-1.73	8.65