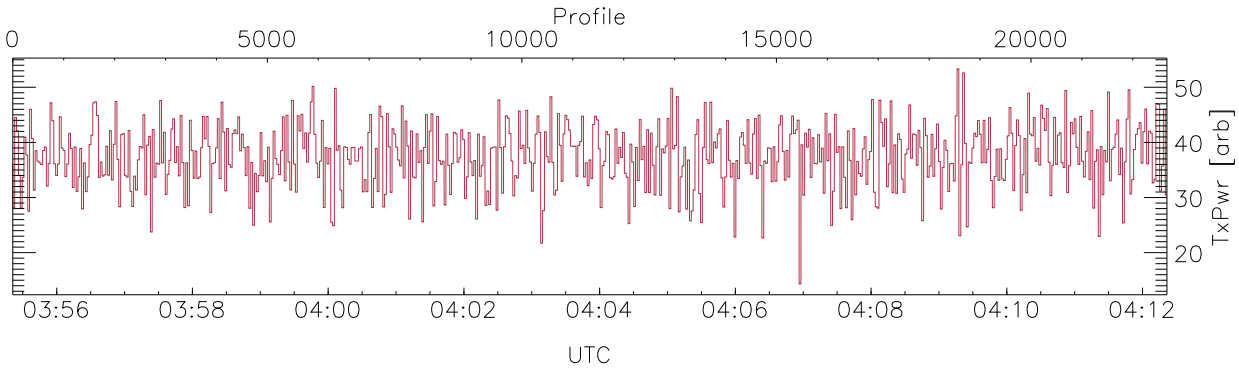
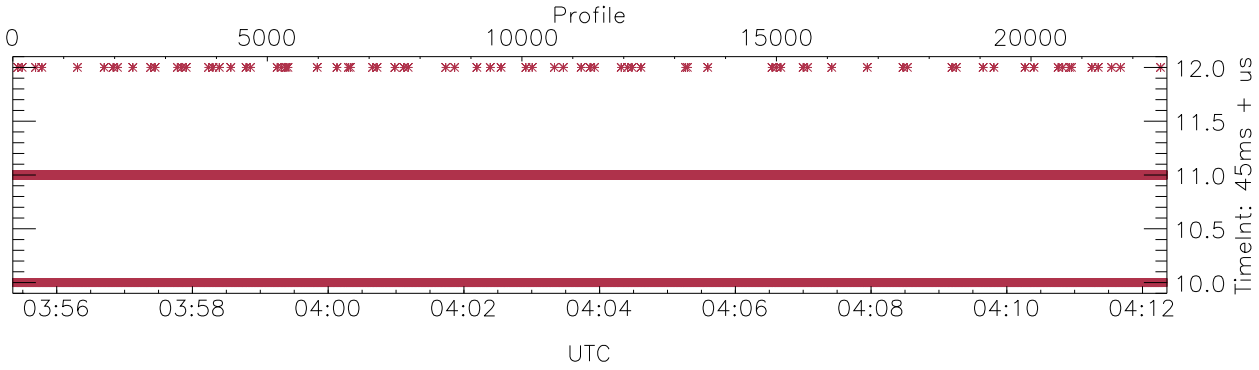
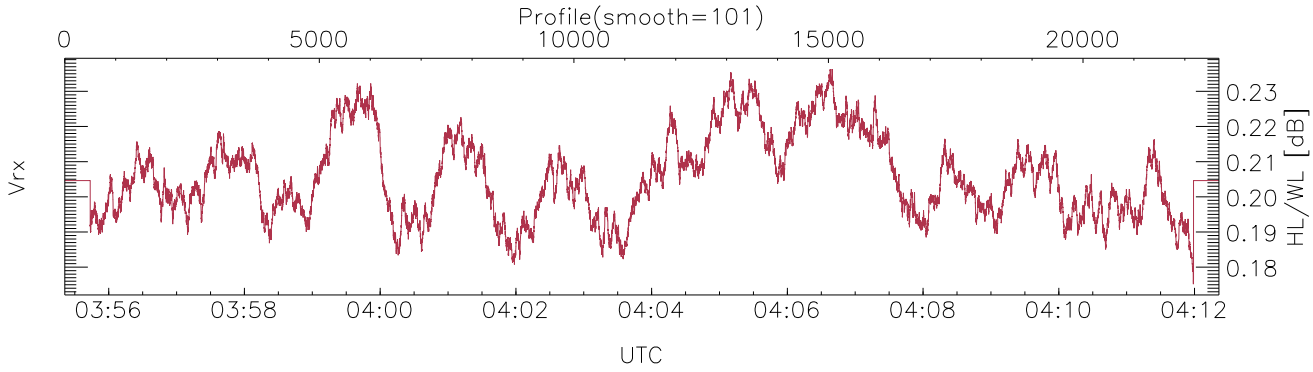
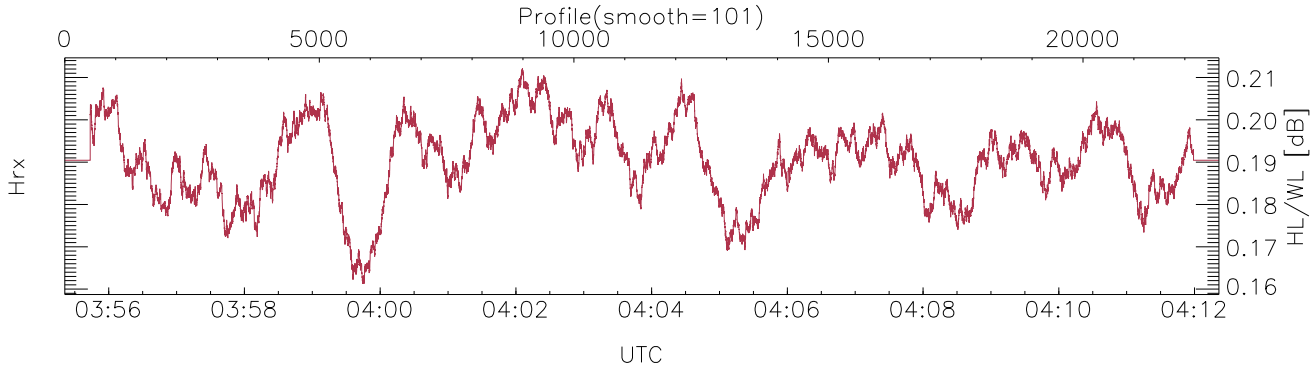


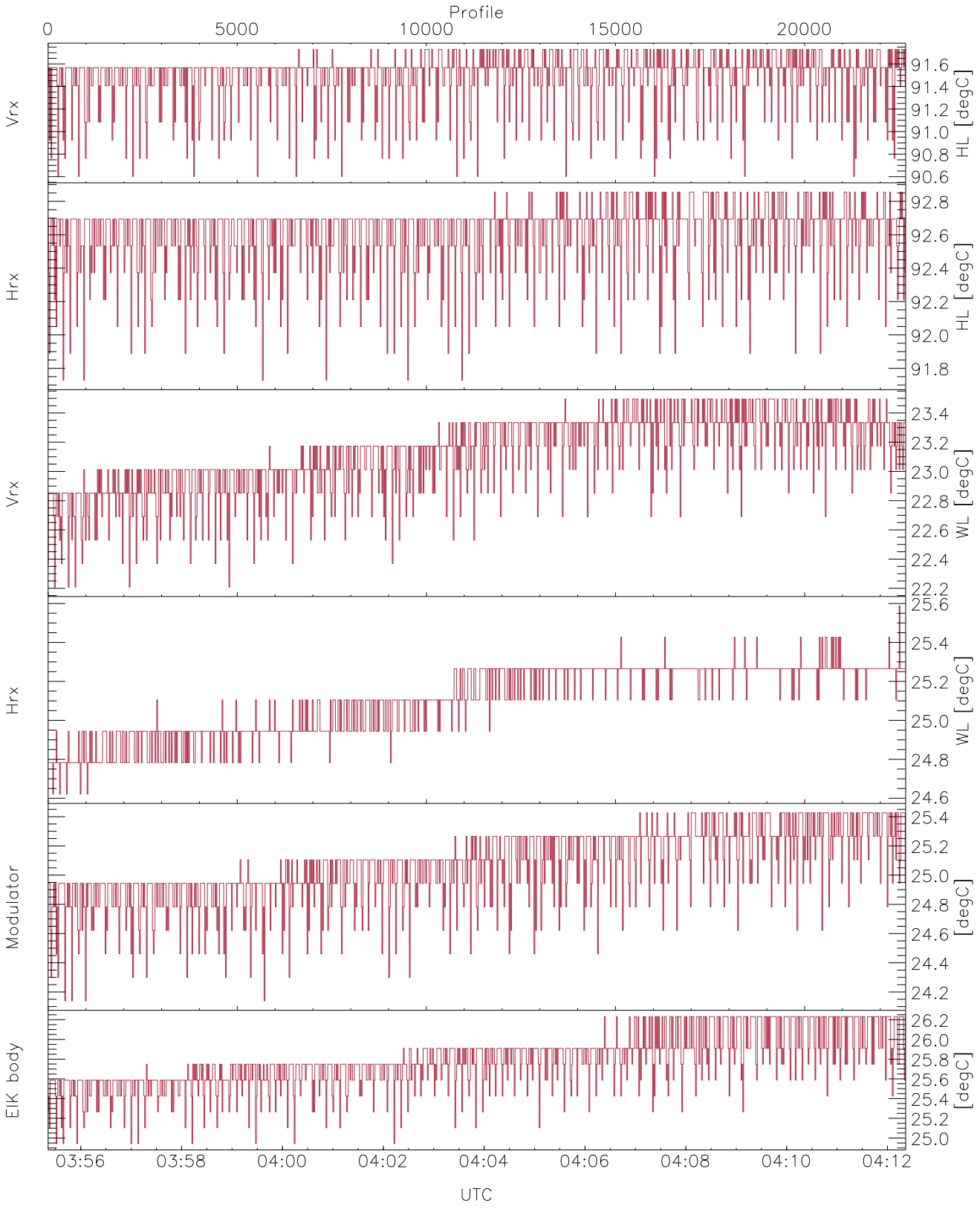






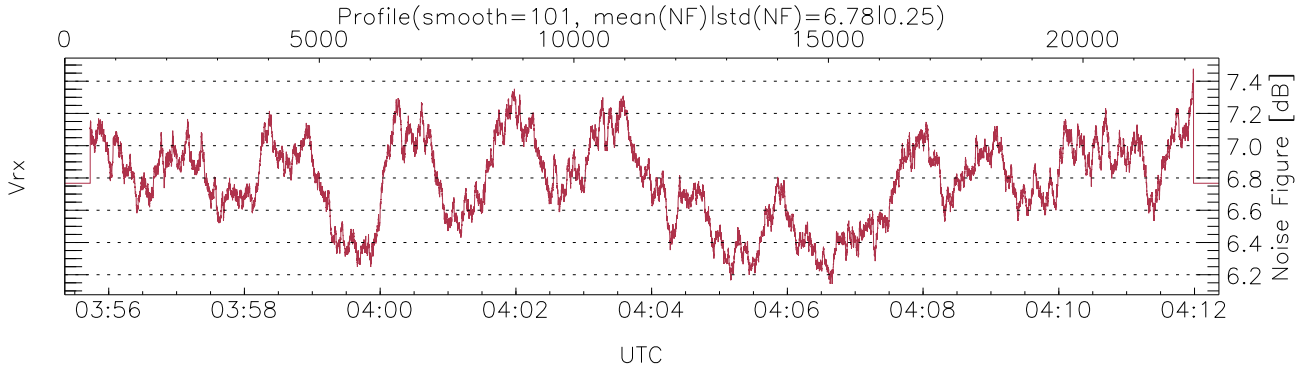
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

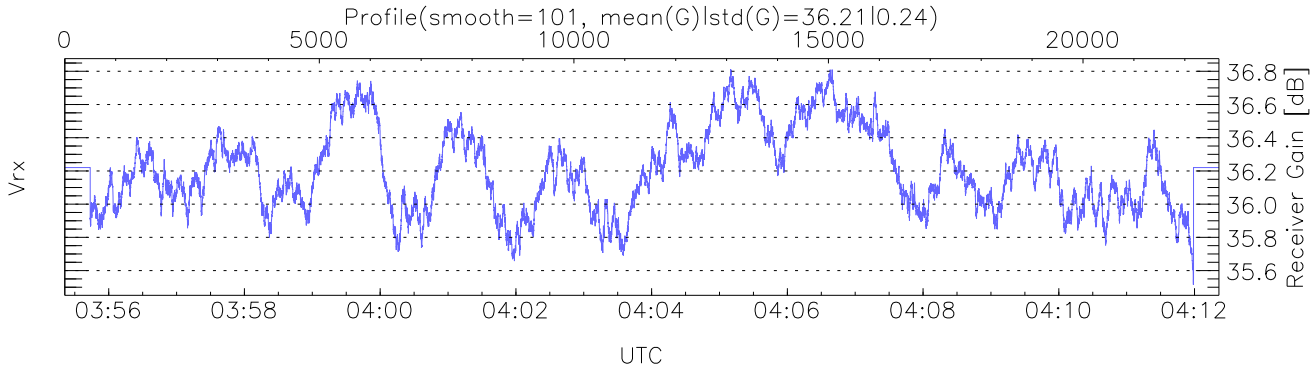
UTC: 03:55:21-04:12:22, TimeCor: 0.00s, Dur: 1020.45s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 22672/22672, 0-22671/03:55:21-04:12:22
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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|sideup|error): 1

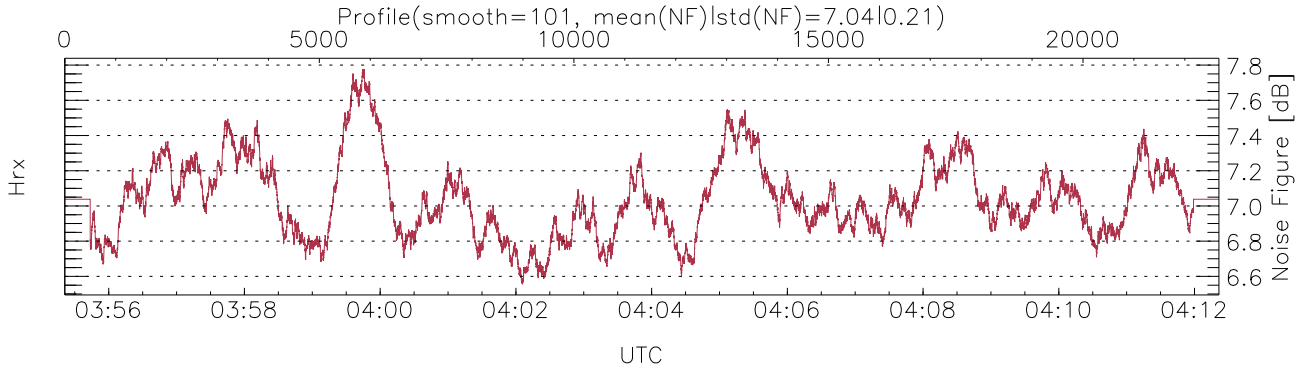


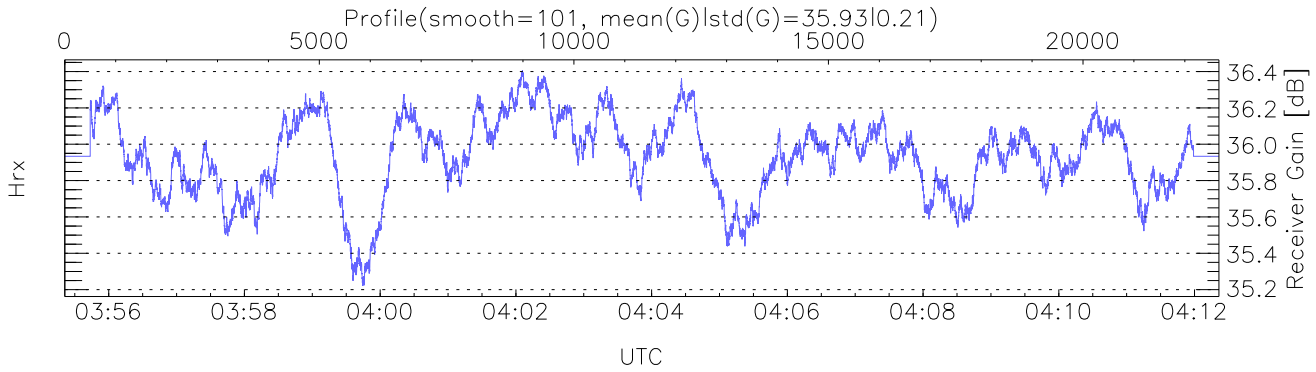
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,22,24,24,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,23,25,25,26
LOalarm(20,240,2817,14861 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (22,22,22,22,22,22)



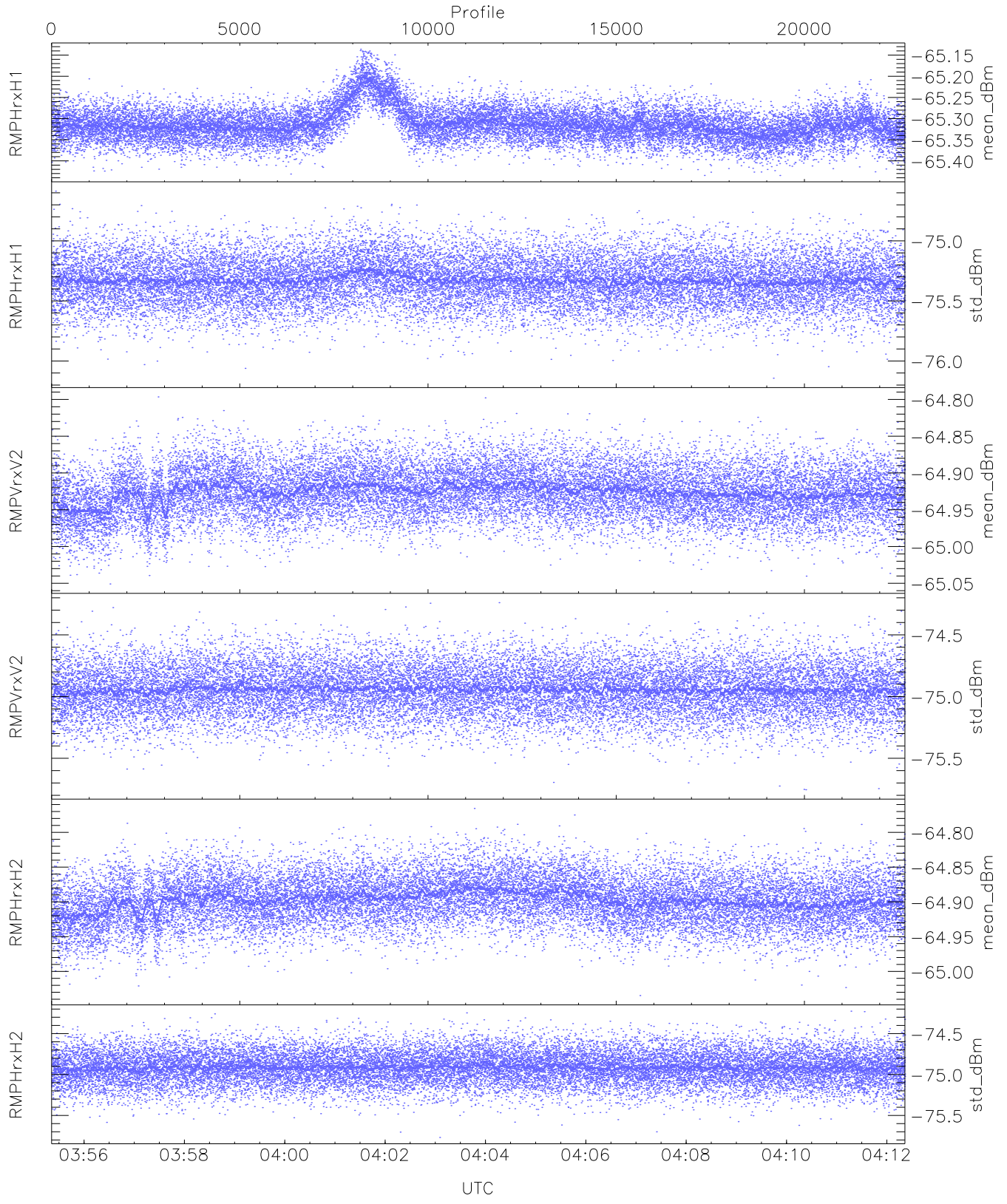






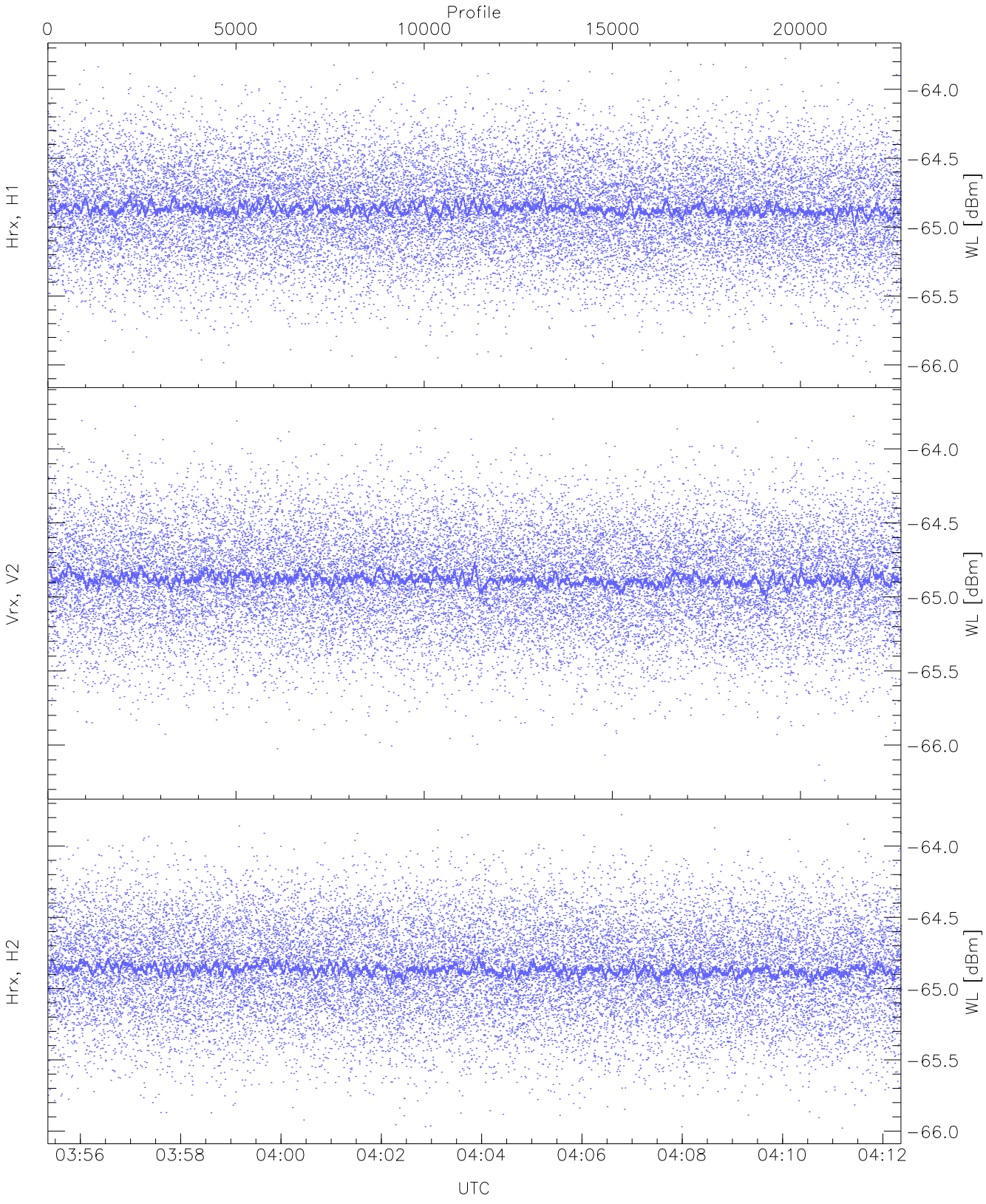
WCR3 CPP Receivers Gain and Noise Figure

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



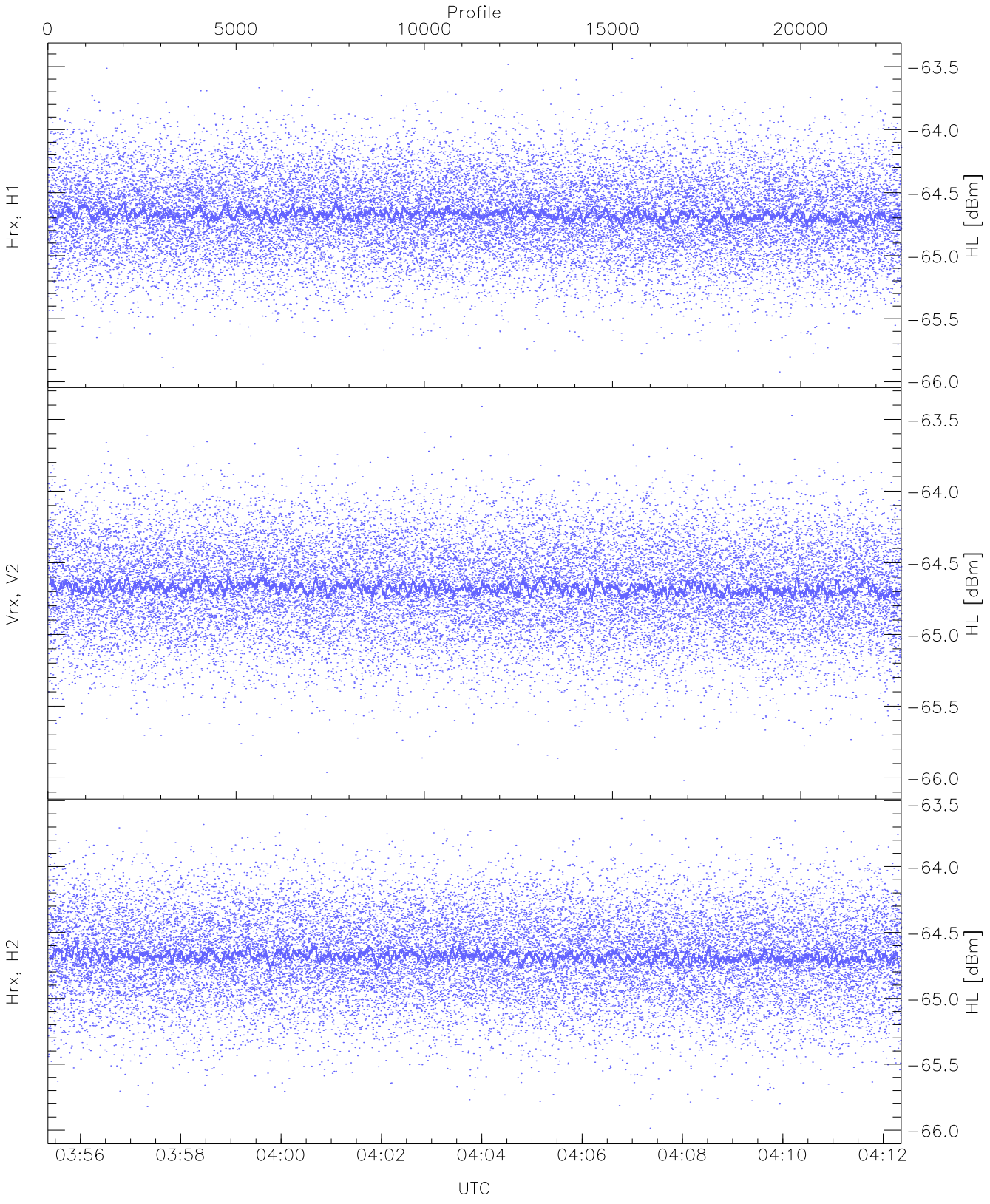
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.43	-65.14	-65.31	-65.32	-85.83
RMPHrxH1(std_dBm)	-76.14	-74.59	-75.33	-75.33	-89.08
RMPVrxV2(mean_dBm)	-65.05	-64.80	-64.93	-64.93	-86.34
RMPVrxV2(std_dBm)	-75.75	-74.24	-74.94	-74.95	-88.74
RMPHrxH2(mean_dBm)	-65.03	-64.77	-64.90	-64.90	-86.26
RMPHrxH2(std_dBm)	-75.77	-74.23	-74.91	-74.92	-88.67



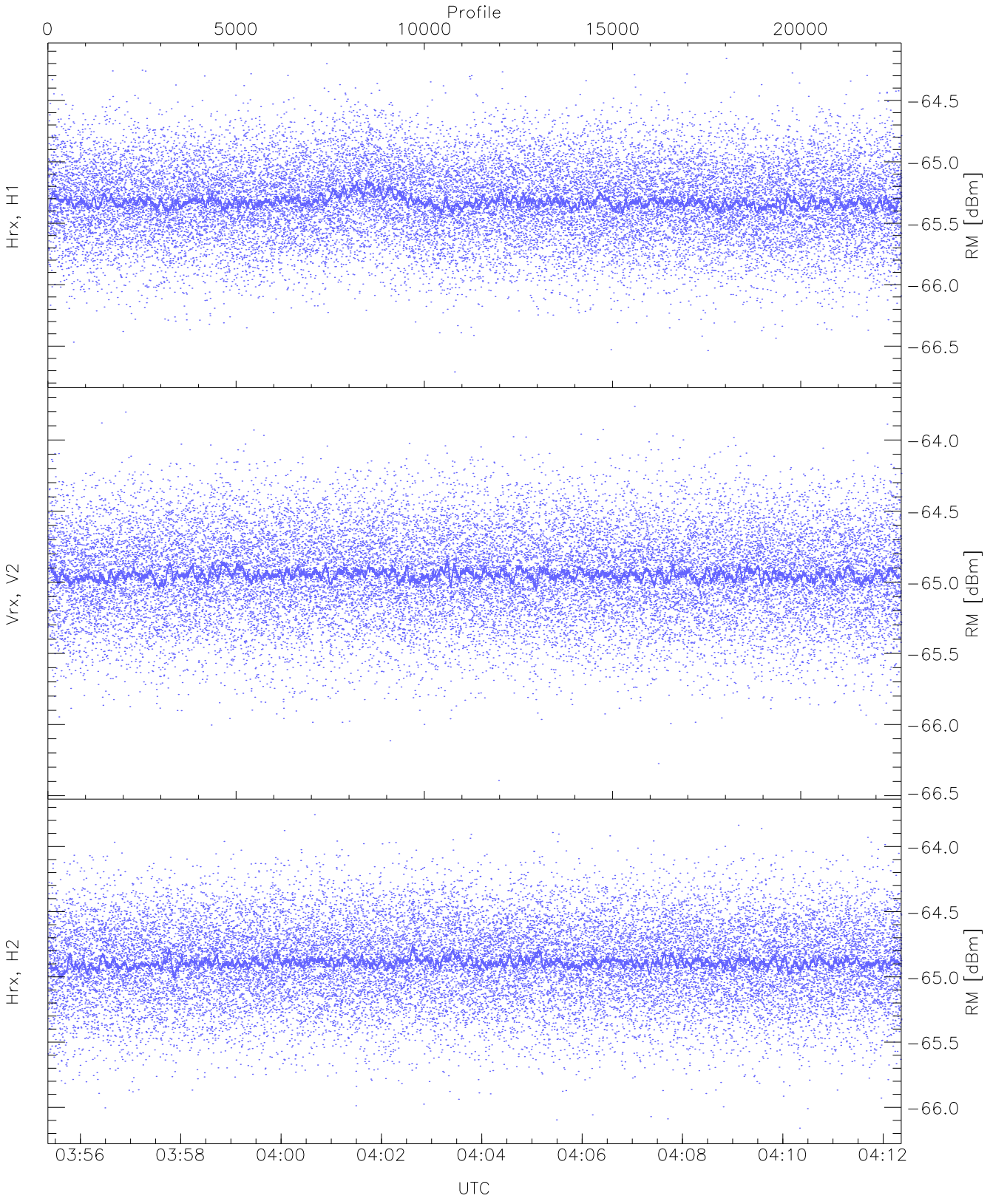
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.05	-63.78	-64.86	-64.87	-76.37
Vrx, V2(WL [dBm])	-66.24	-63.71	-64.87	-64.88	-76.38
Hrx, H2(WL [dBm])	-65.98	-63.78	-64.86	-64.87	-76.37



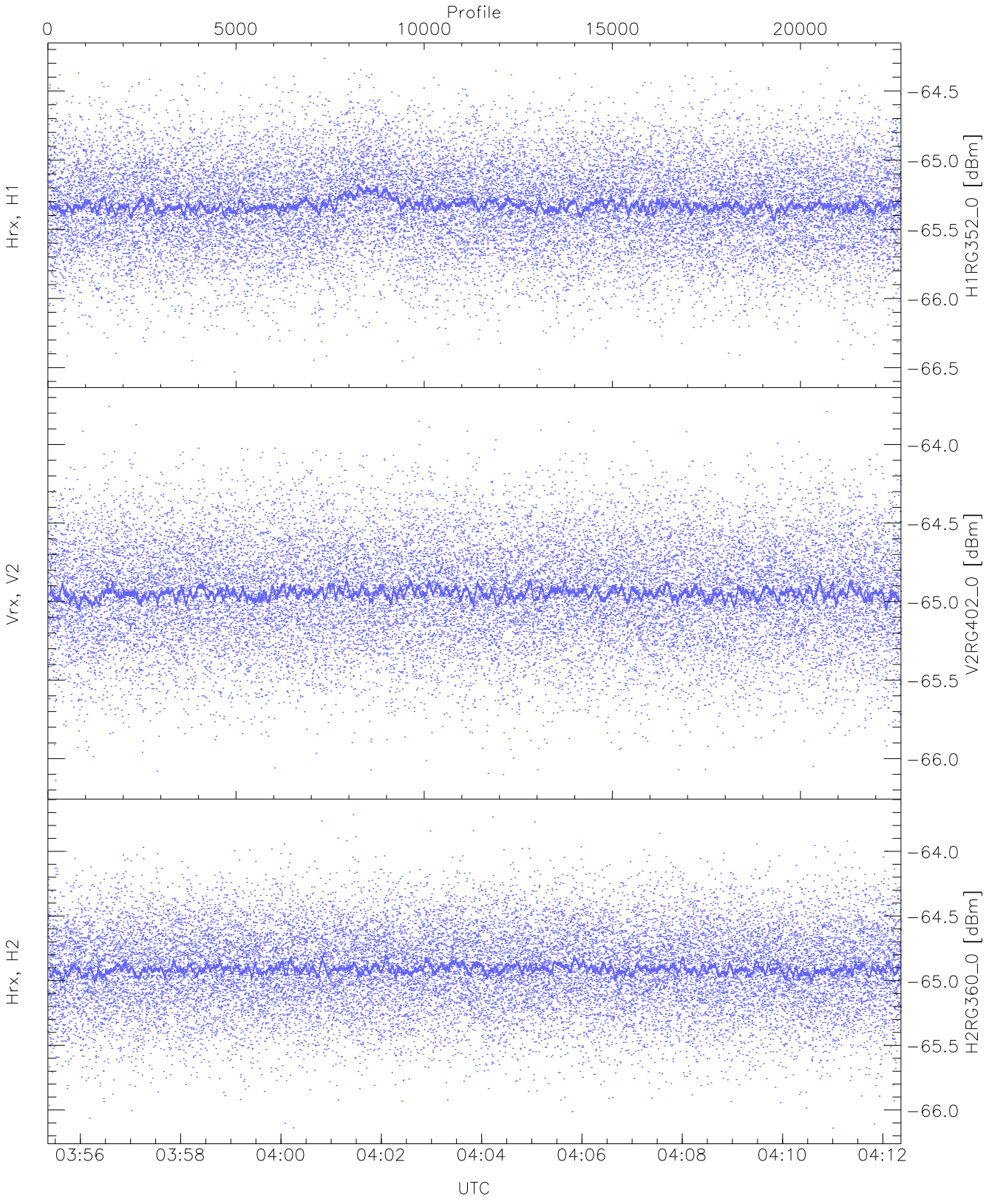
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-65.92	-63.44	-64.67	-64.67	-76.17
Vrx, V2(HL [dBm])	-66.02	-63.41	-64.67	-64.68	-76.18
Hrx, H2(HL [dBm])	-65.98	-63.61	-64.67	-64.68	-76.17



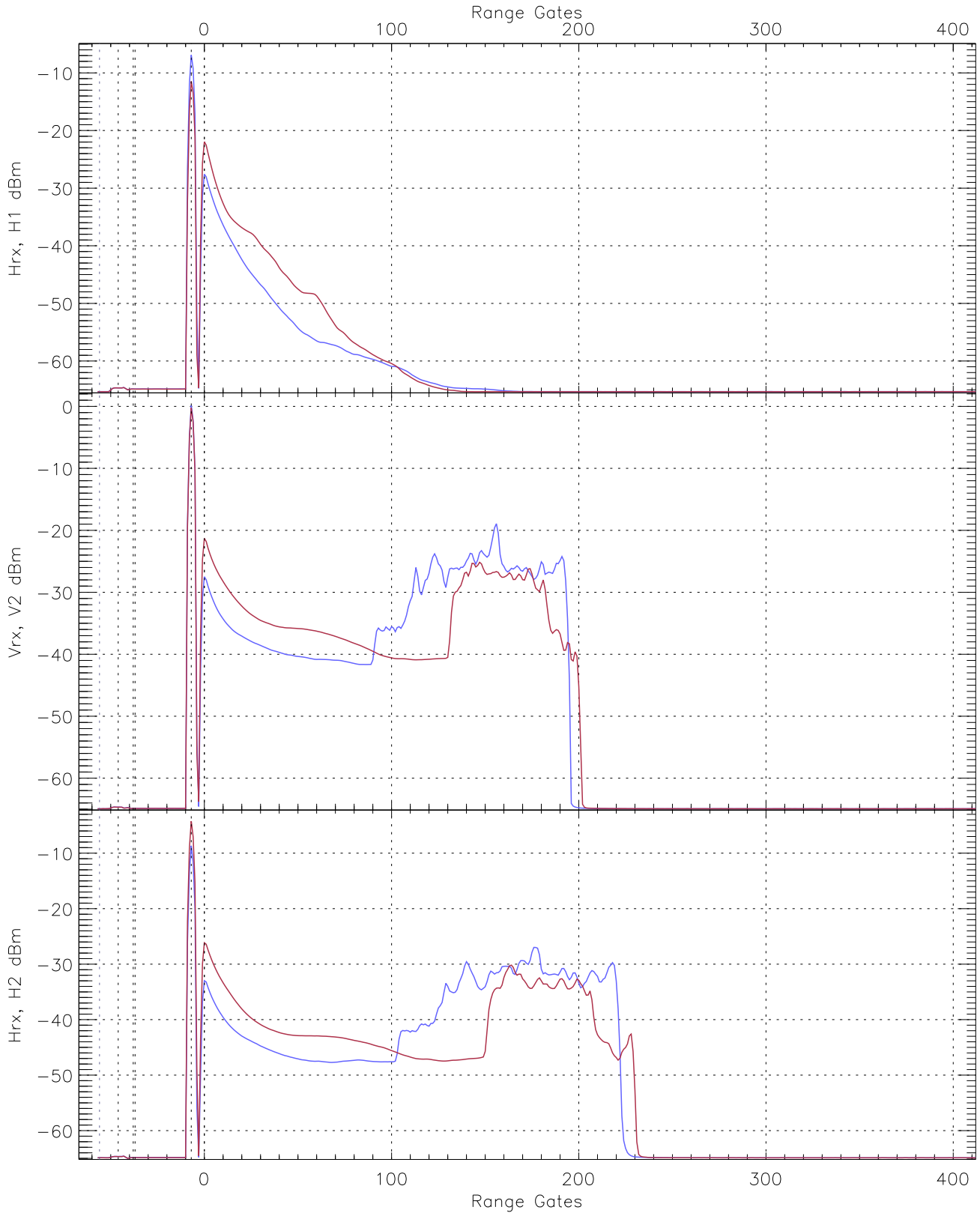
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.71	-64.16	-65.32	-65.33	-76.80
Vrx, V2(RM [dBm])	-66.39	-63.76	-64.94	-64.94	-76.44
Hrx, H2(RM [dBm])	-66.16	-63.76	-64.88	-64.89	-76.43

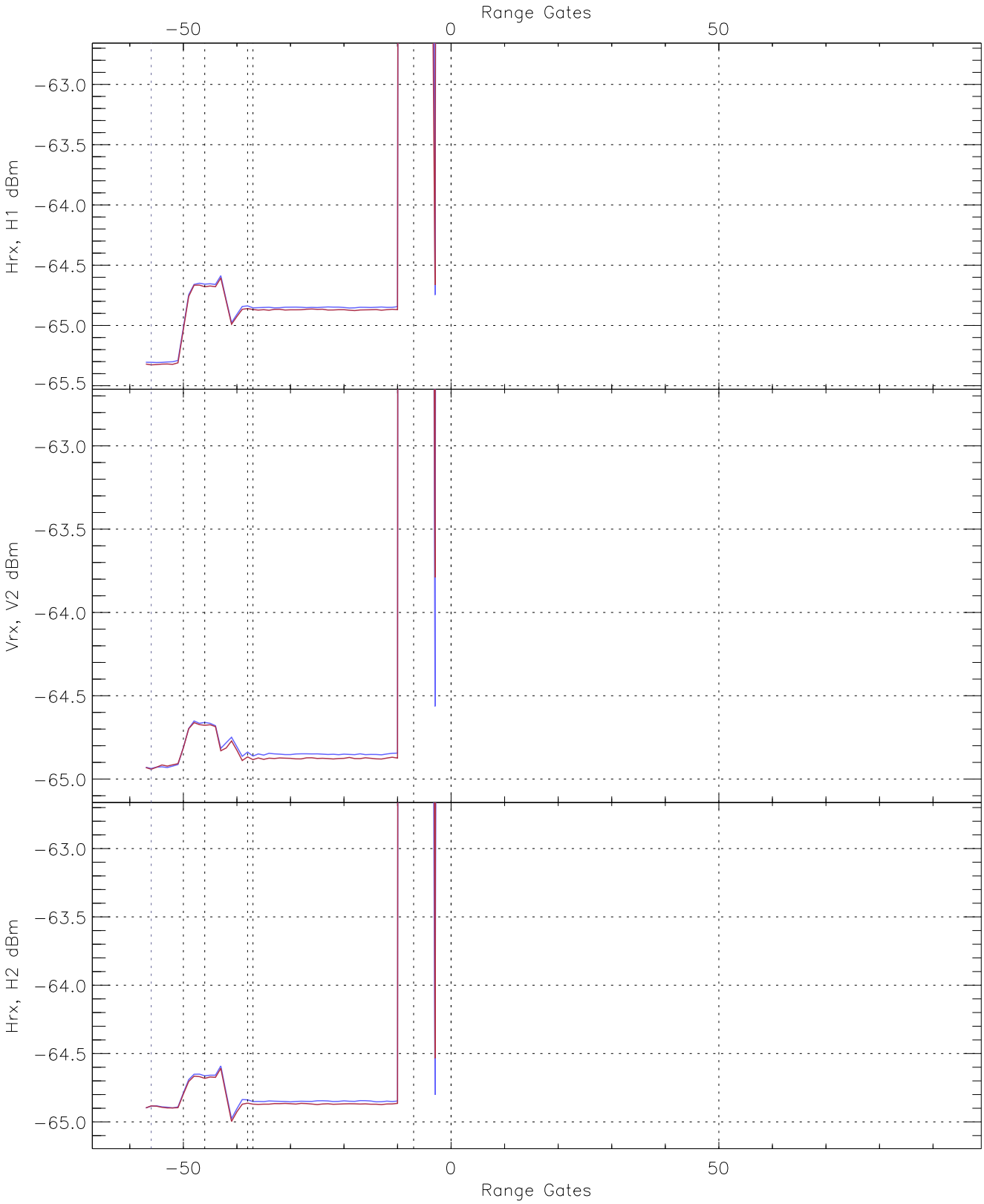


WCR3 CPP "Best" estimate Receivers Noise Power

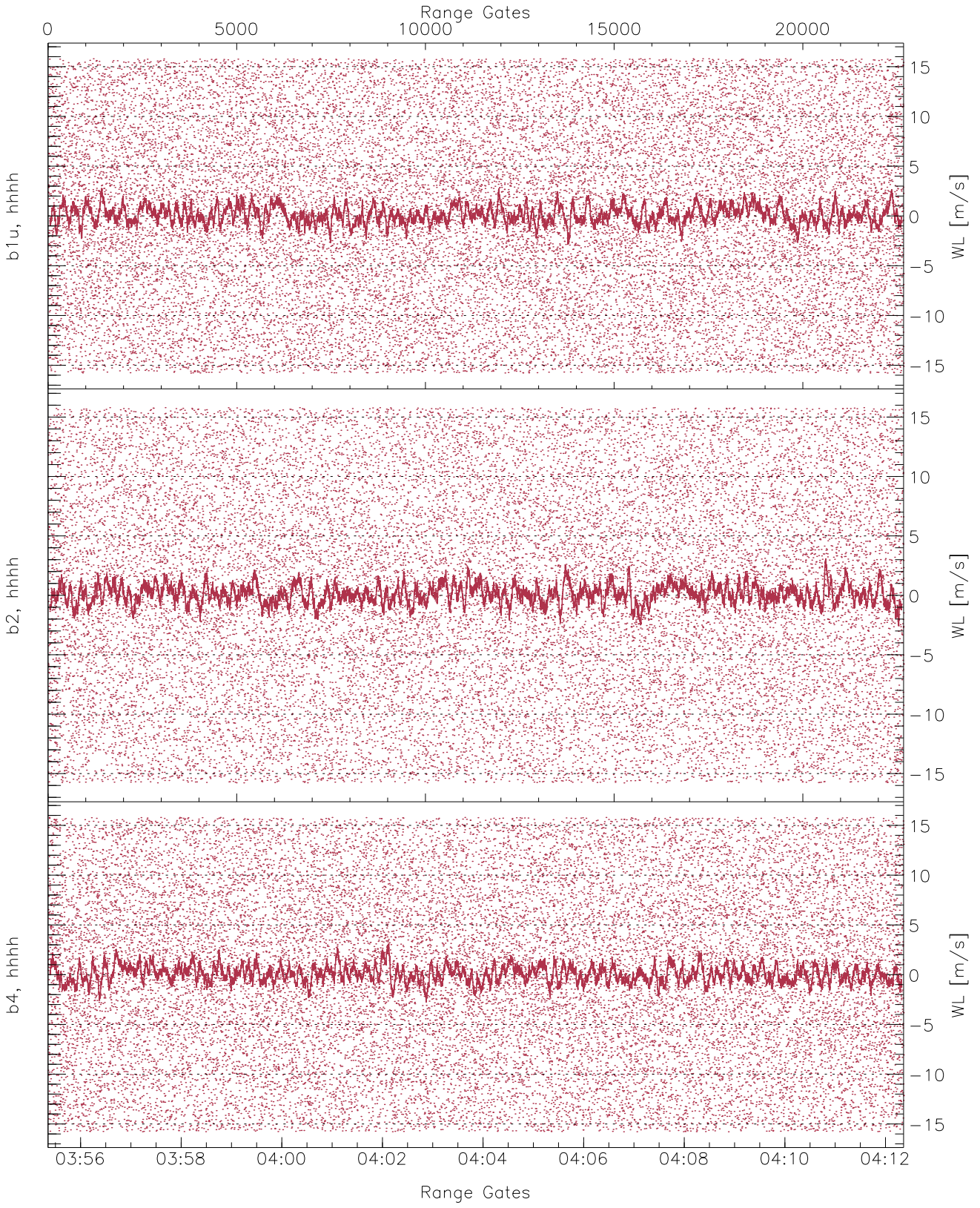
	Min	Max	Mean	Median	StDev
H1RG352_0 [dBm]	-66.53	-64.27	-65.32	-65.33	-76.85
V2RG402_0 [dBm]	-66.14	-63.76	-64.94	-64.95	-76.41
H2RG360_0 [dBm]	-66.14	-63.72	-64.90	-64.91	-76.41



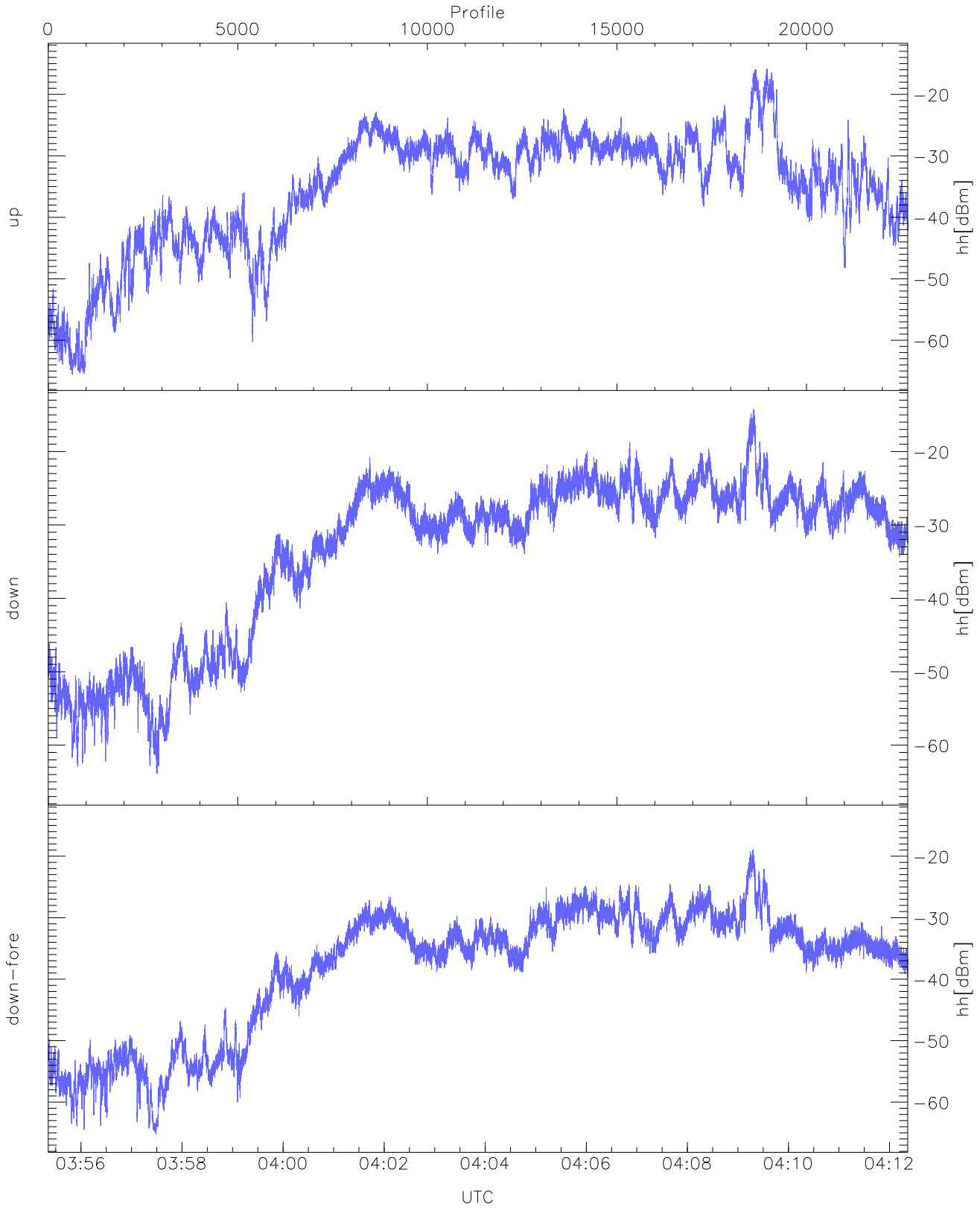
WCR3 CPP Averaged Received power for all recorded gates
blue: 035521-040351, 11337 profiles averaged
red: 040351-041222, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 035521-040351, 11337 profiles averaged
red: 040351-041222, 11336 profiles averaged

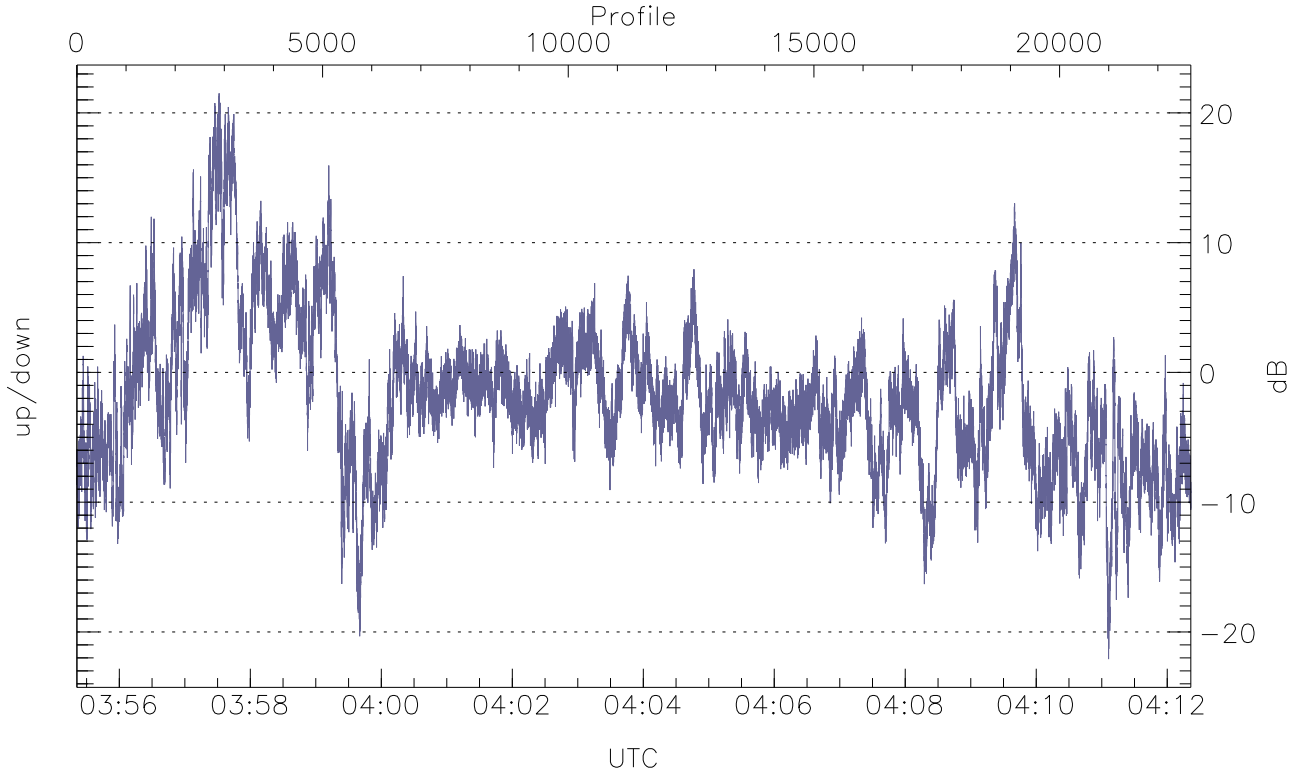


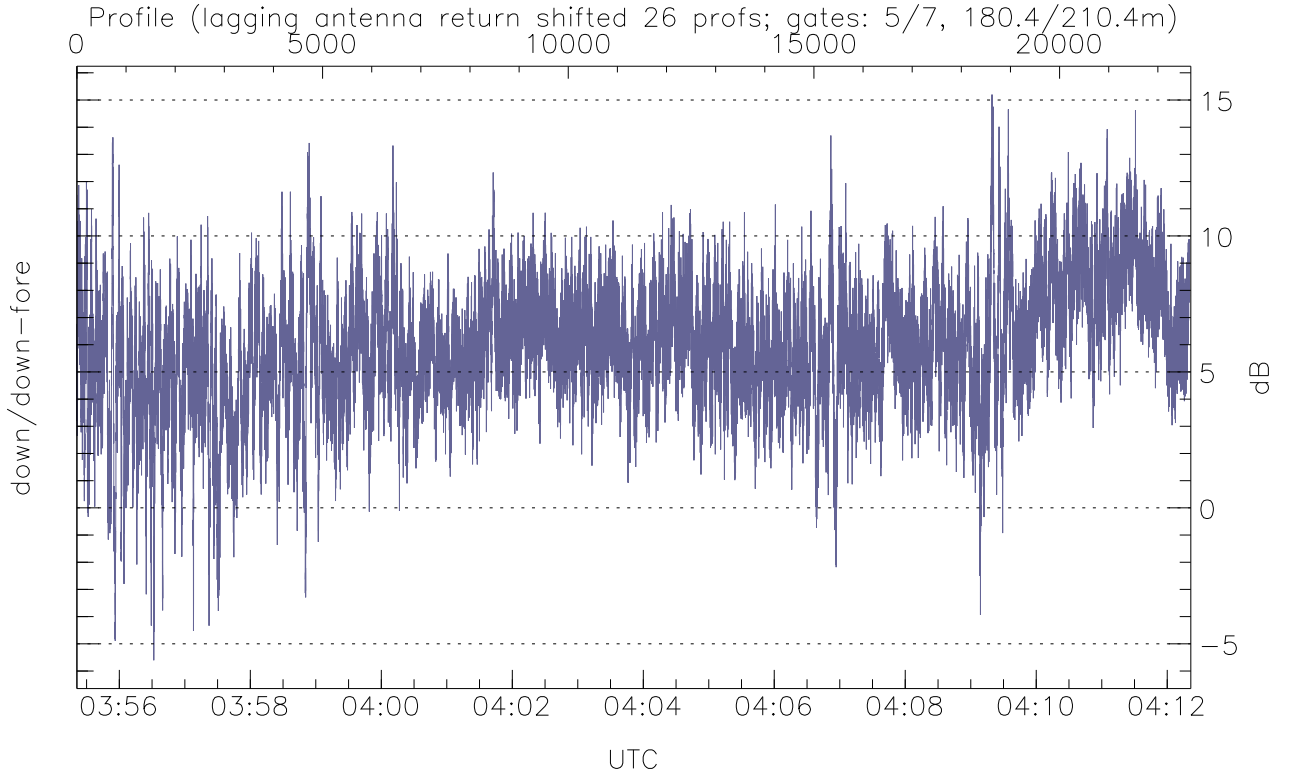
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

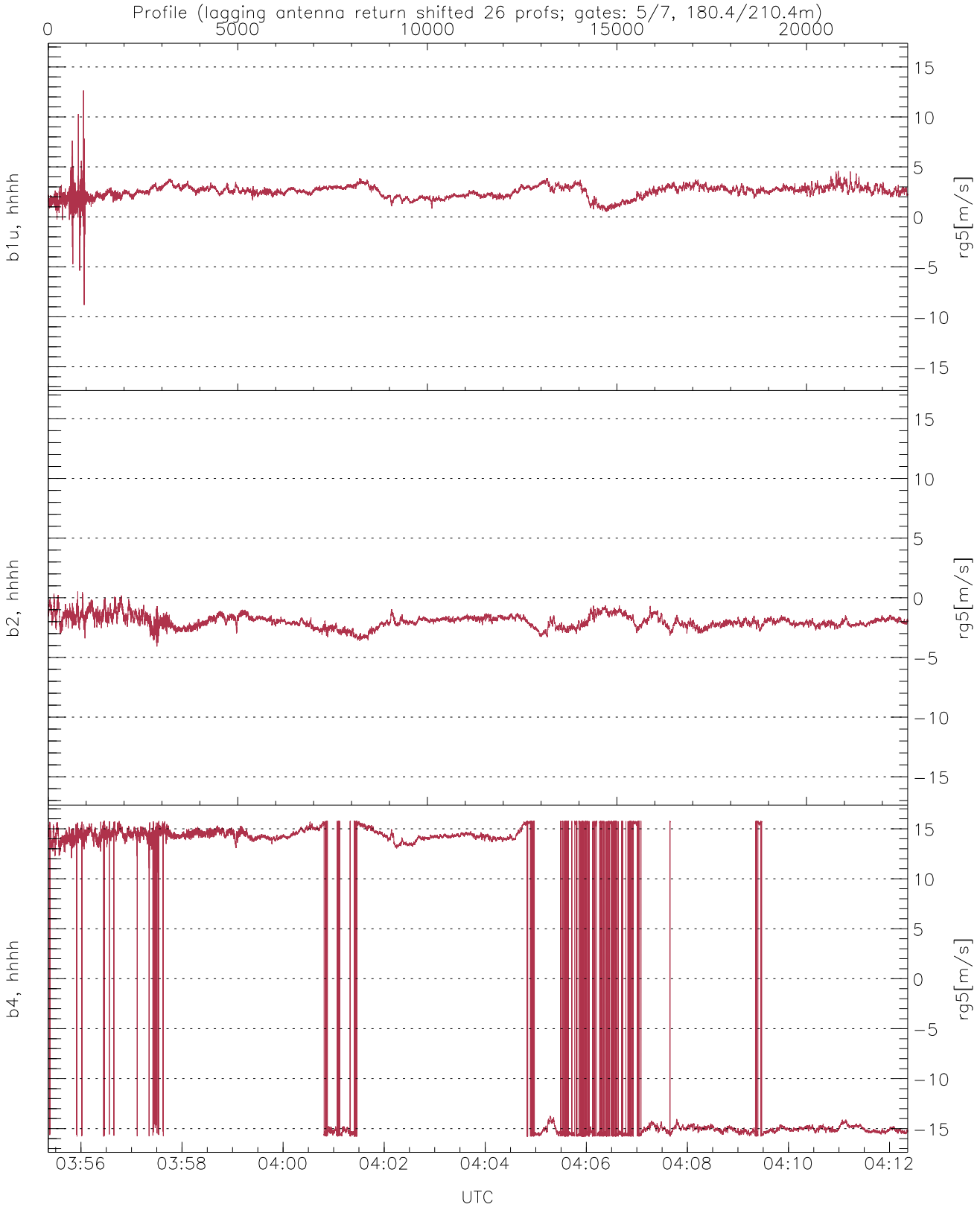
	Min	Max	Mean
up(hh[dBm])	-65.60	-15.84	-29.55
down(hh[dBm])	-63.91	-14.25	-27.46
down-fore(hh[dBm])	-65.25	-18.93	-32.24





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

	Min	Max	Mean
up/down(dB)	-22.09	21.51	-1.86
down/down-fore(dB)	-5.61	15.20	5.98



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-8.82	12.65	2.51	0.63
b2, hhhh(rg5[m/s])	-4.08	0.53	-1.99	0.53
b4, hhhh(rg5[m/s])	-15.79	15.79	1.45	14.71