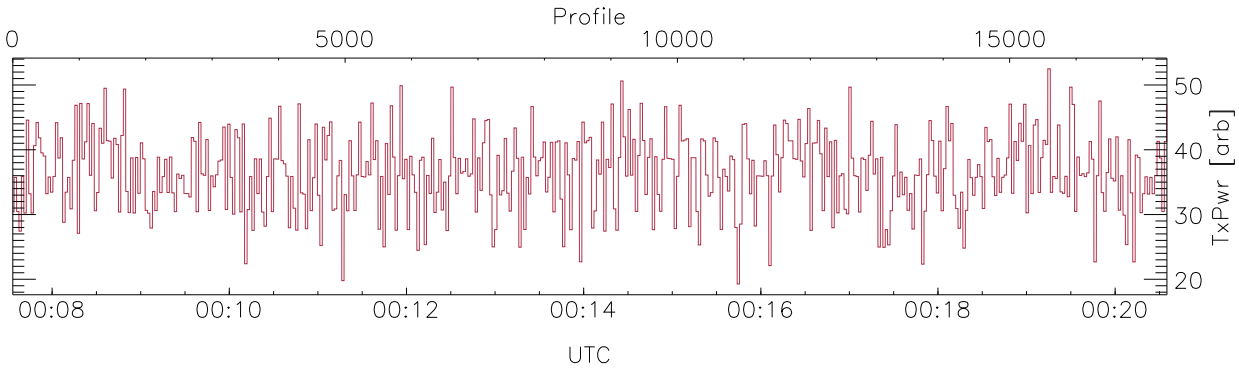
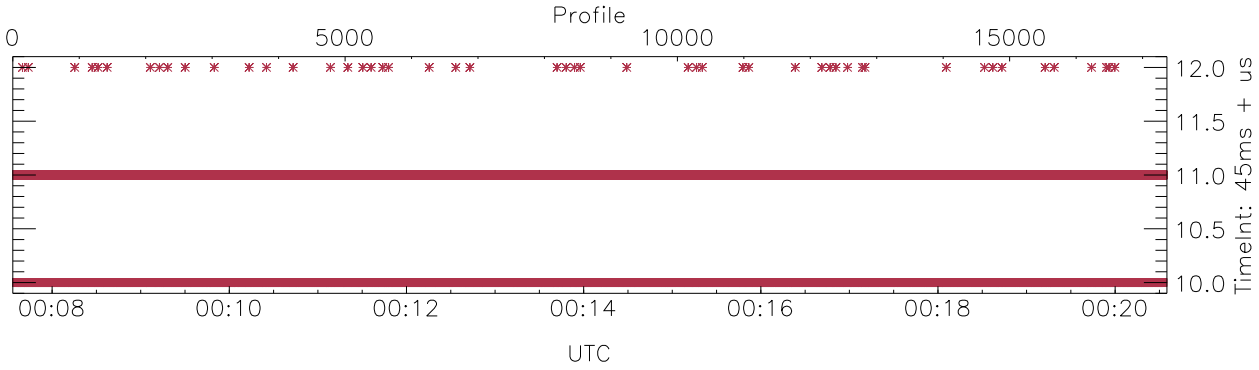
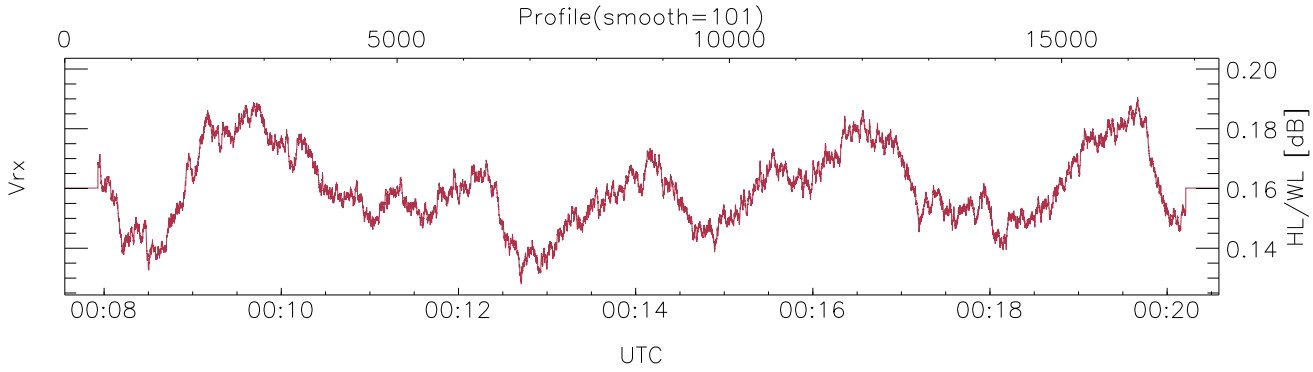
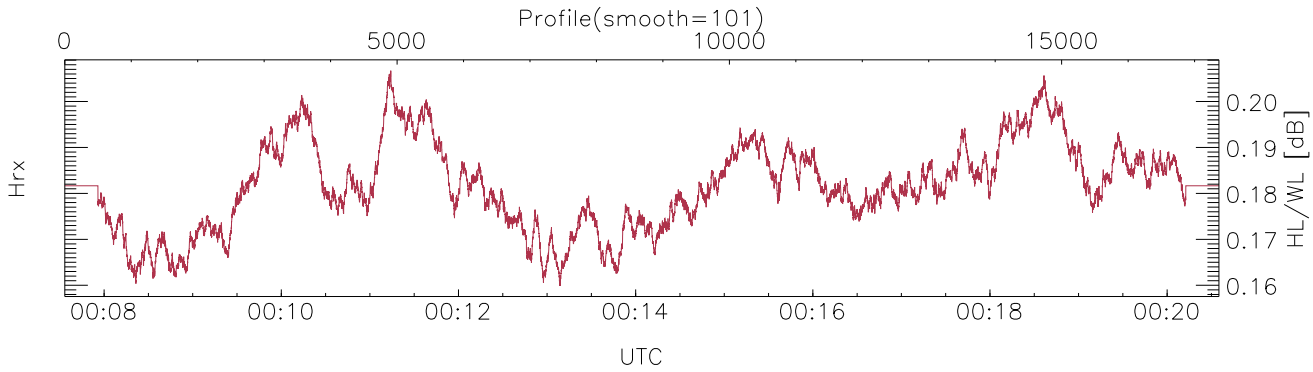


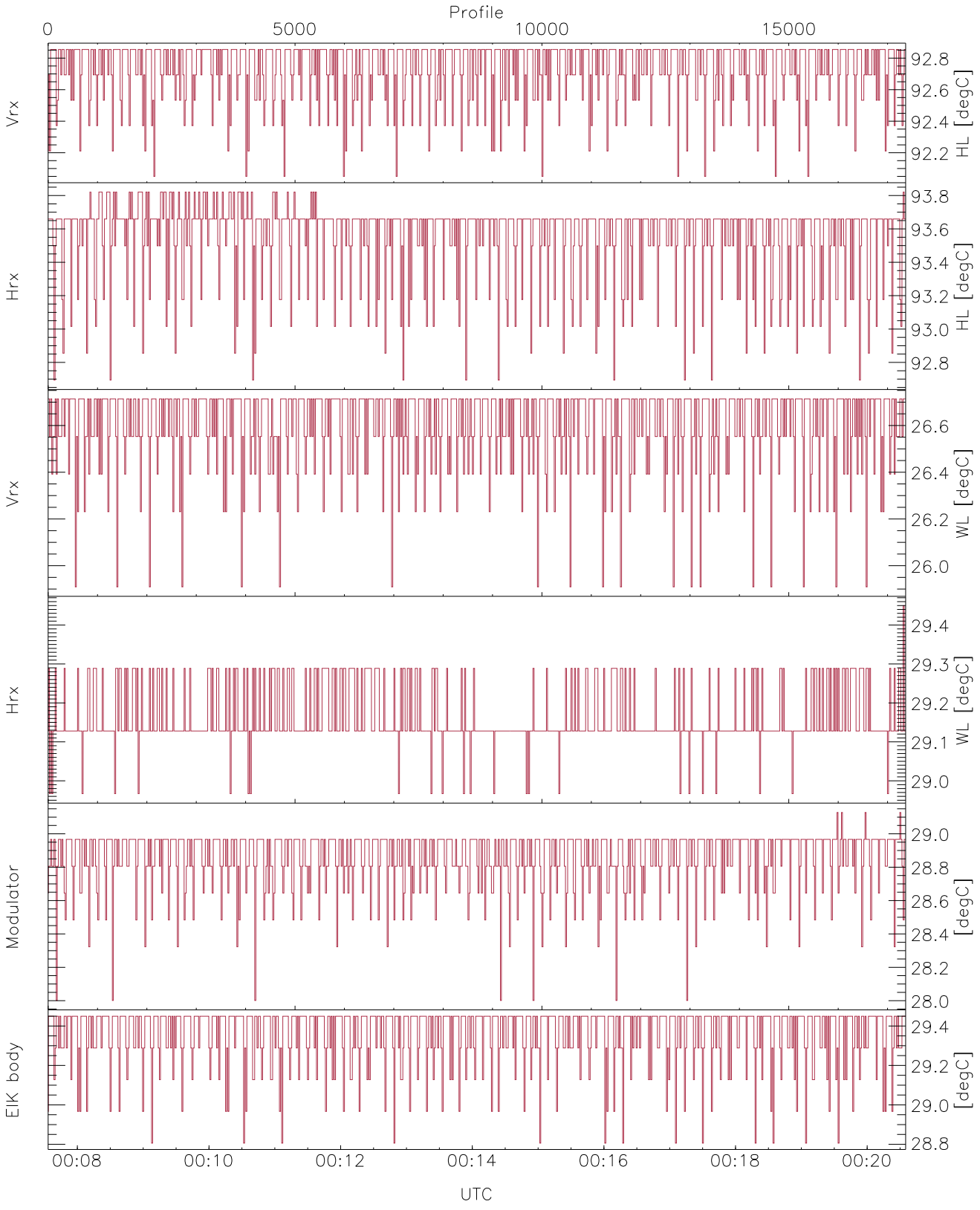






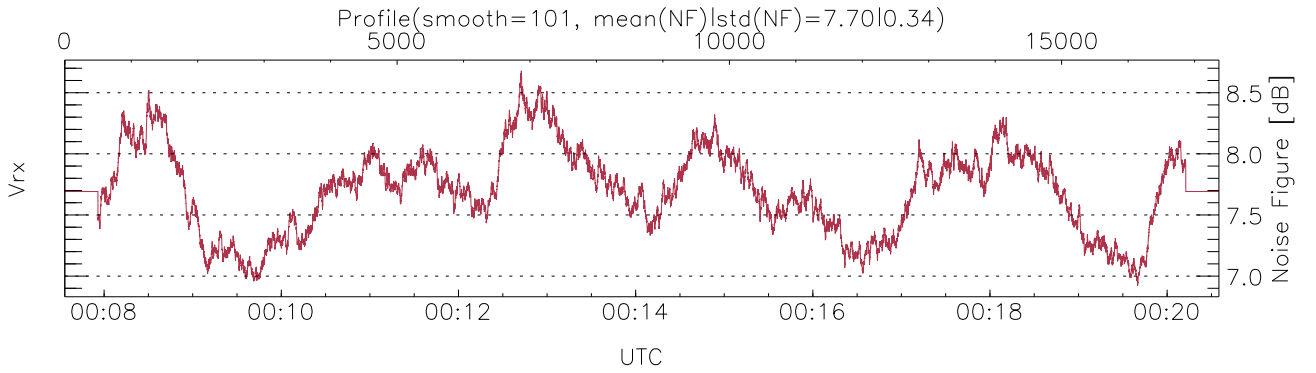
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

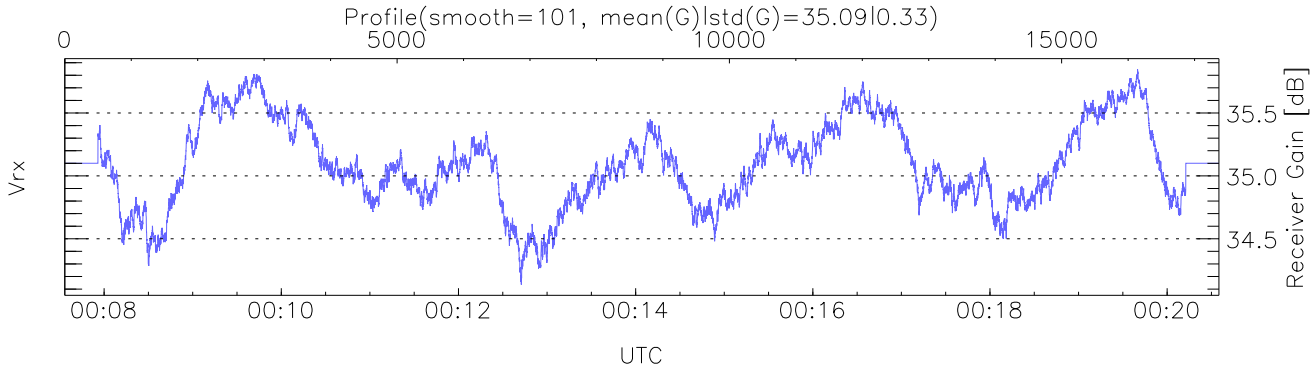
UTC: 00:07:33-00:20:35, TimeCor: 0.00s, Dur: 781.71s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 17368/17368, 0-17367/00:07:33-00:20:35
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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

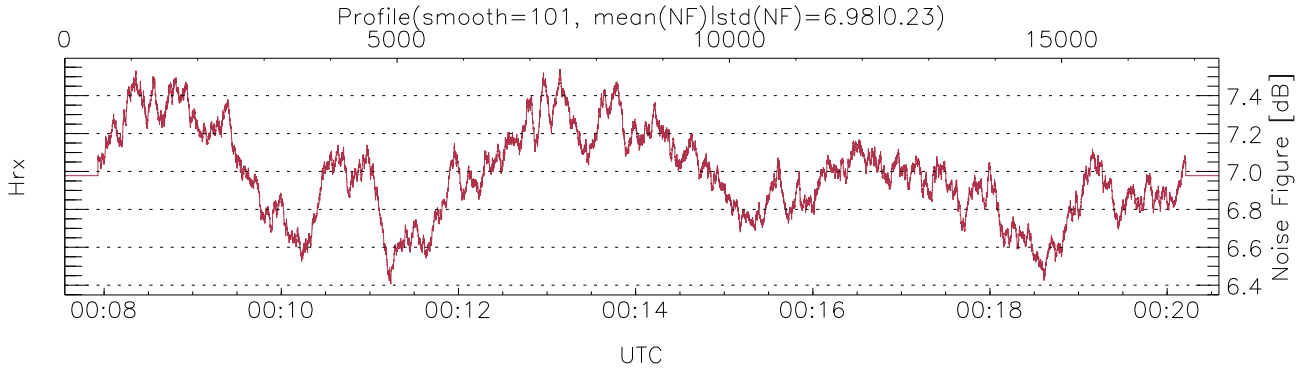


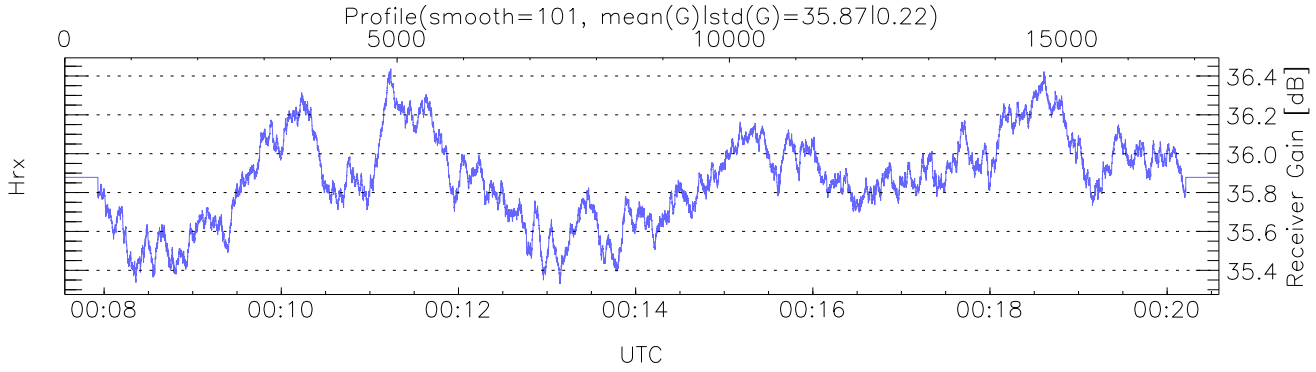
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,25,28,28,28
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,26,29,29,29
LOalarm(20,240,2817,14861 MHz): 0,0,24,0
EIK/Modulator Faults: None



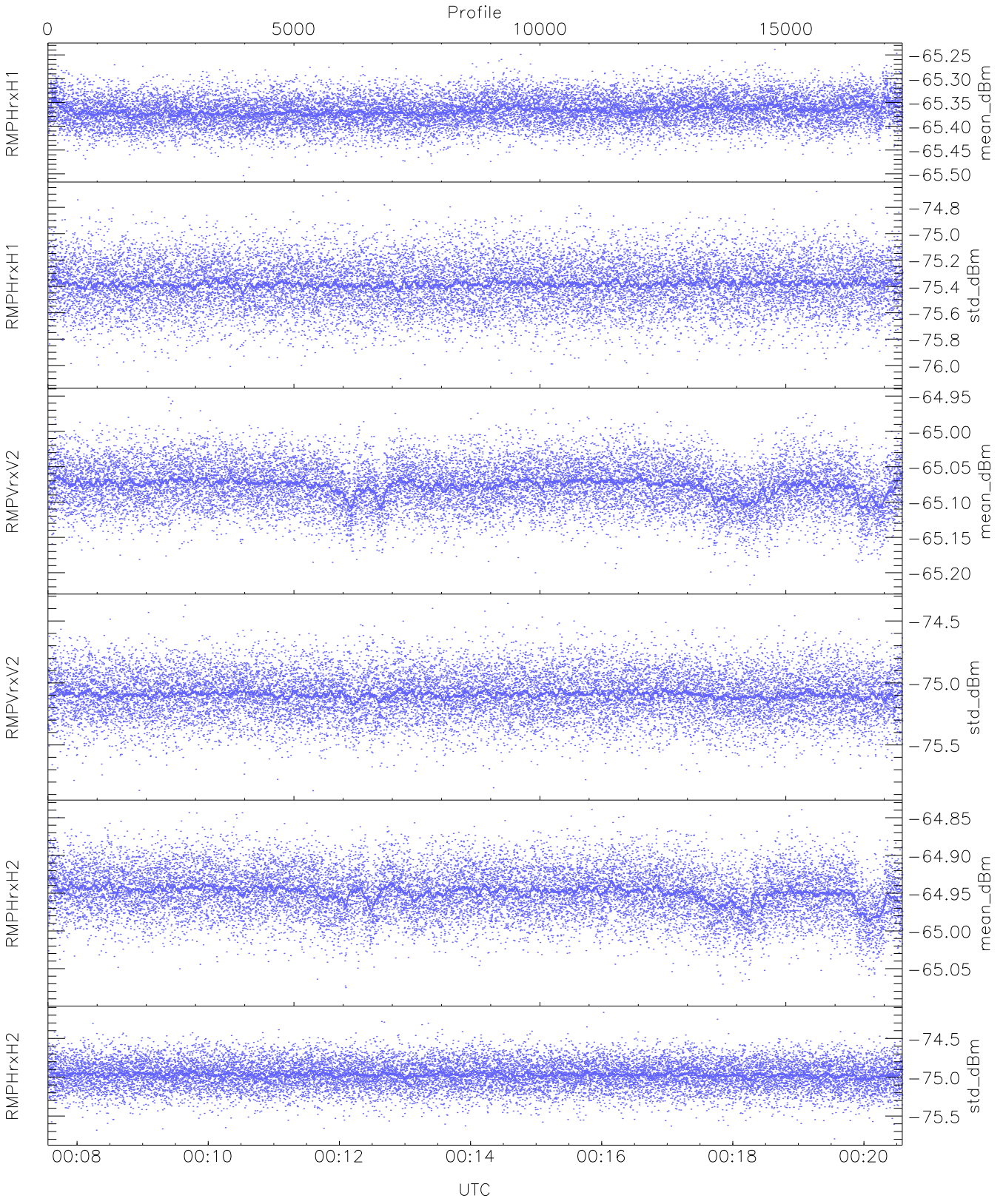






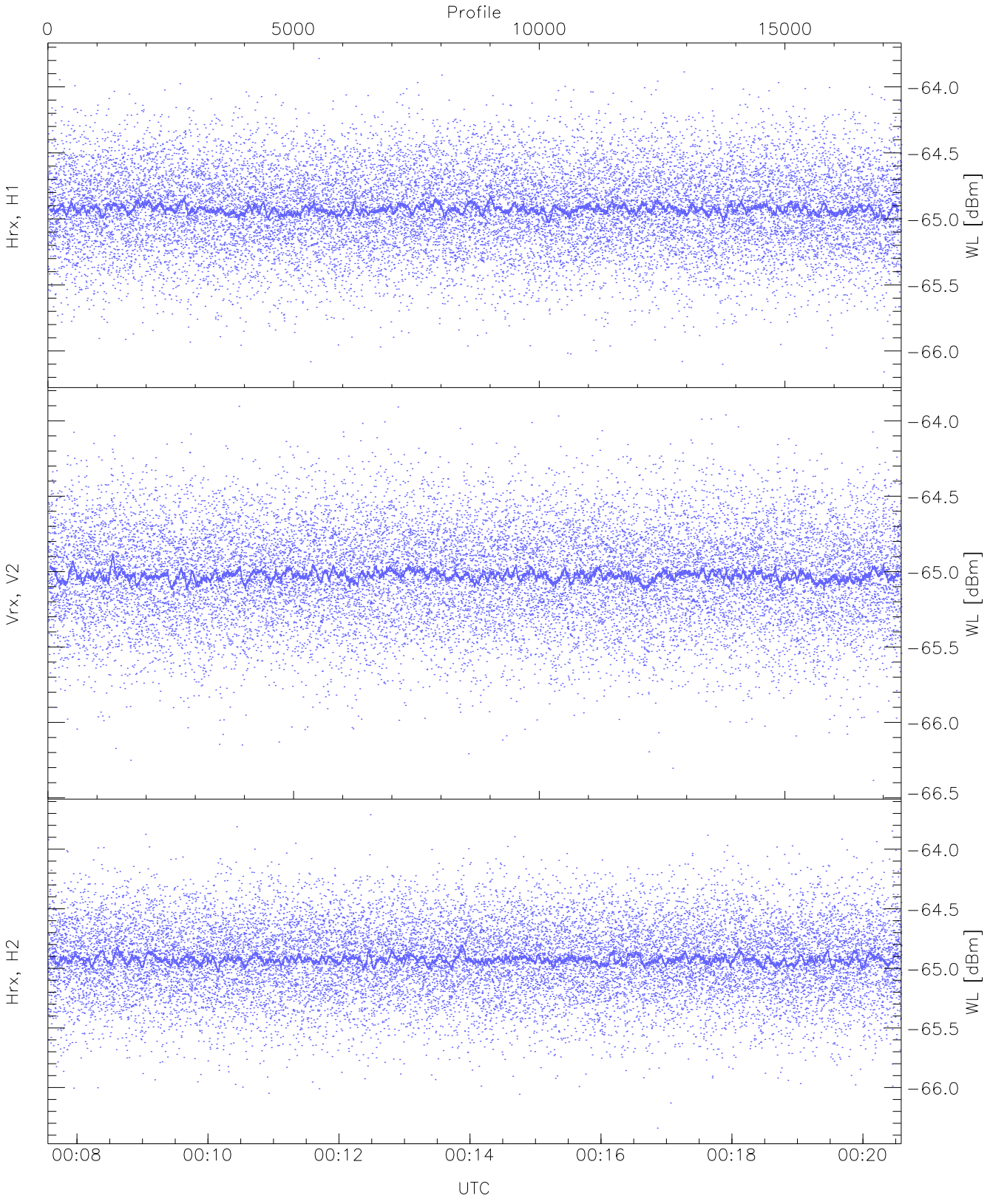
WCR3 CPP Receivers Gain and Noise Figure

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



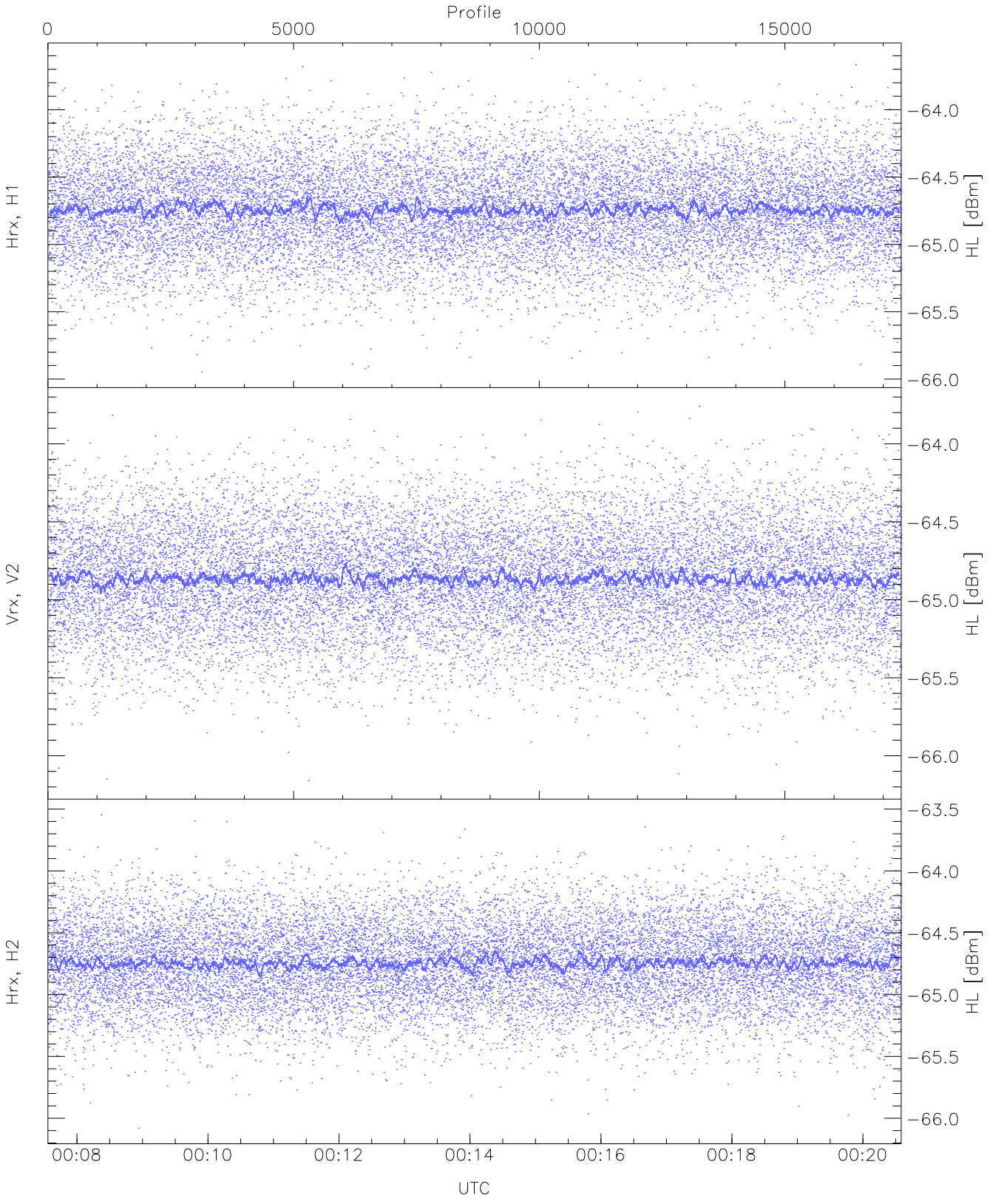
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.50	-65.24	-65.37	-65.37	-86.86
RMPHrxH1(std_dBm)	-76.10	-74.68	-75.38	-75.38	-89.16
RMPVrxV2(mean_dBm)	-65.22	-64.95	-65.08	-65.08	-86.44
RMPVrxV2(std_dBm)	-75.87	-74.36	-75.09	-75.09	-88.85
RMPHrxH2(mean_dBm)	-65.09	-64.84	-64.95	-64.95	-86.36
RMPHrxH2(std_dBm)	-75.79	-74.16	-74.97	-74.97	-88.74



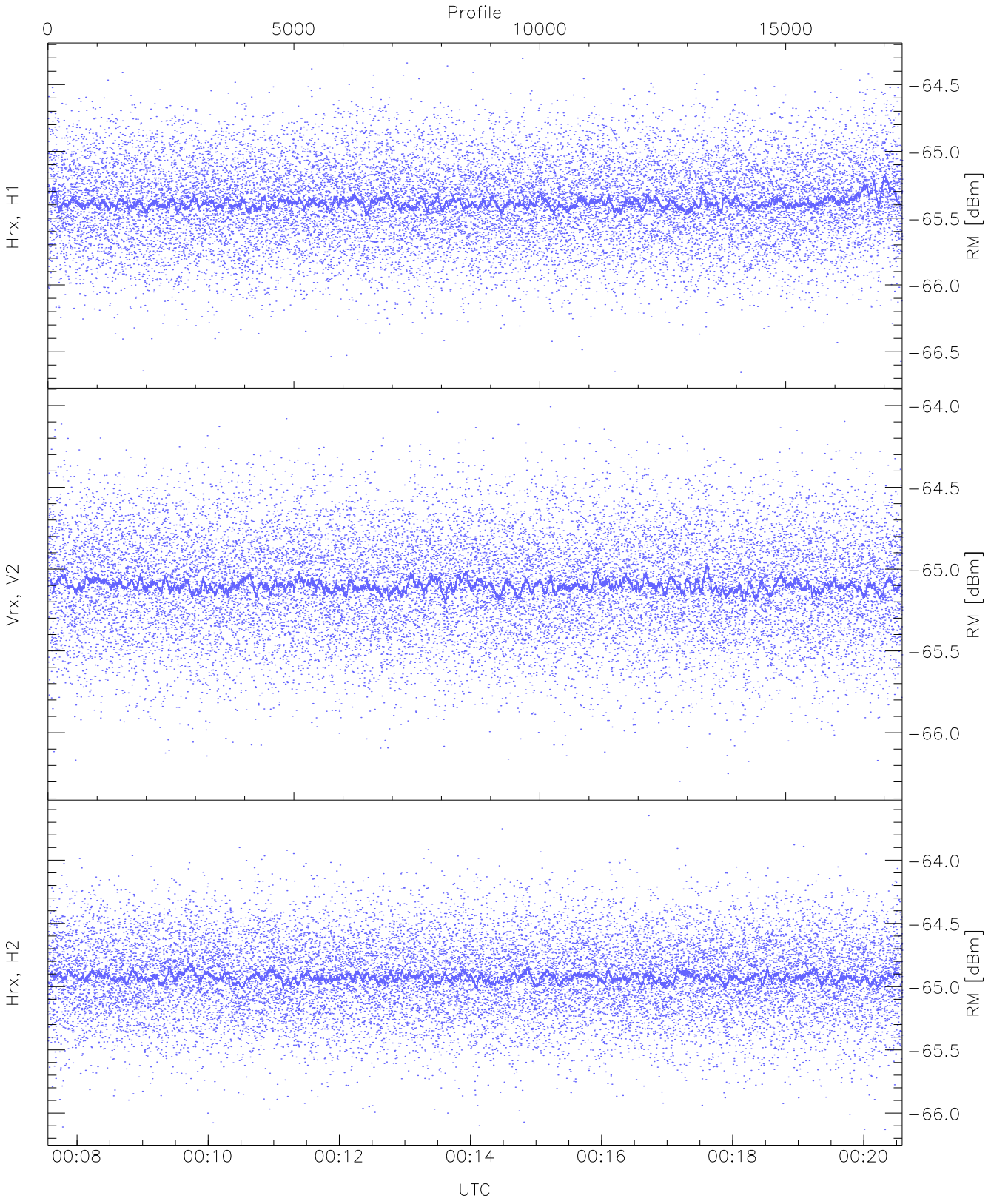
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.16	-63.79	-64.92	-64.93	-76.47
Vrx, V2(WL [dBm])	-66.38	-63.90	-65.02	-65.02	-76.53
Hrx, H2(WL [dBm])	-66.34	-63.71	-64.92	-64.92	-76.42



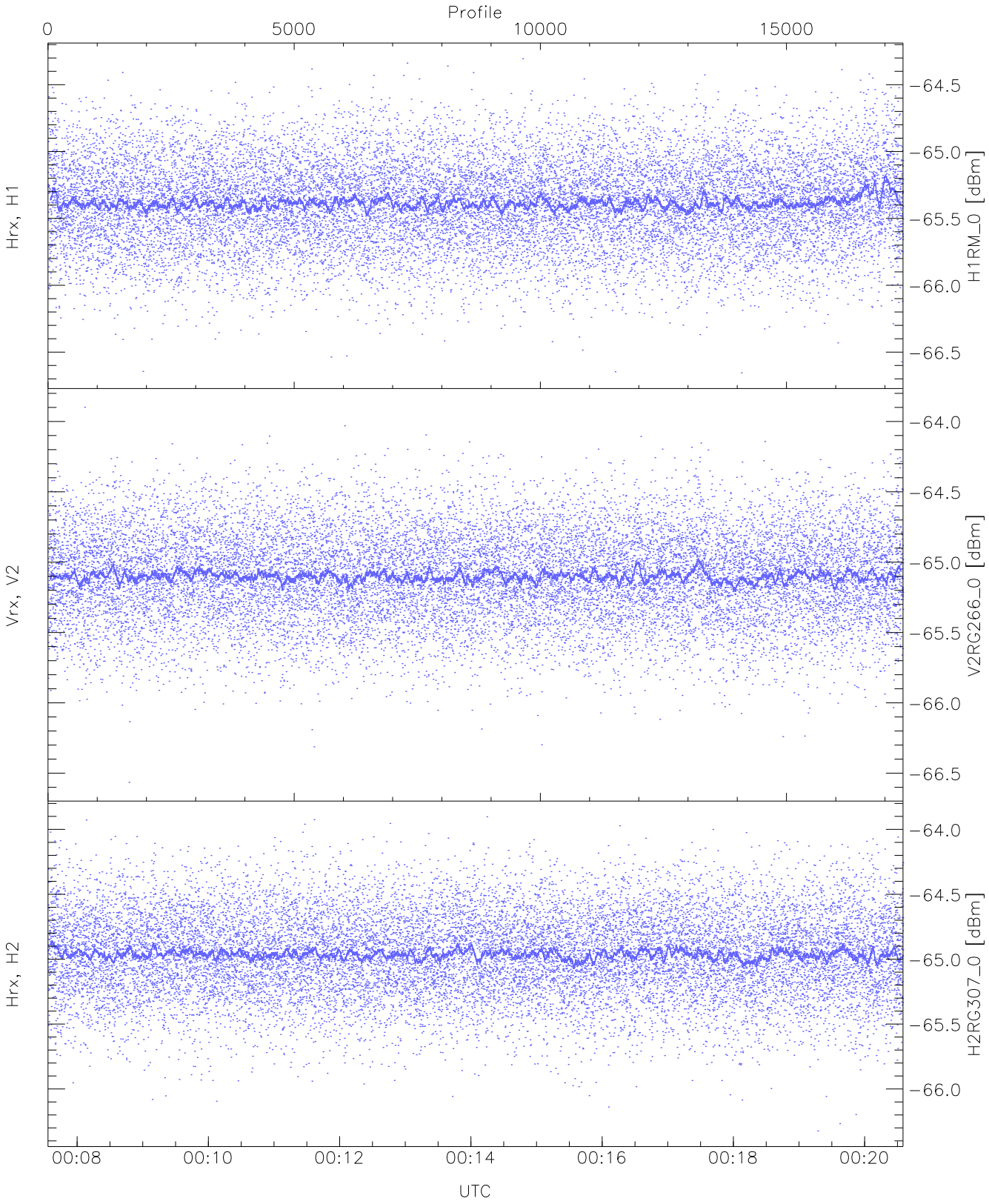
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-65.95	-63.62	-64.74	-64.74	-76.25
Vrx, V2(HL [dBm])	-66.16	-63.76	-64.86	-64.86	-76.36
Hrx, H2(HL [dBm])	-66.08	-63.55	-64.74	-64.75	-76.27



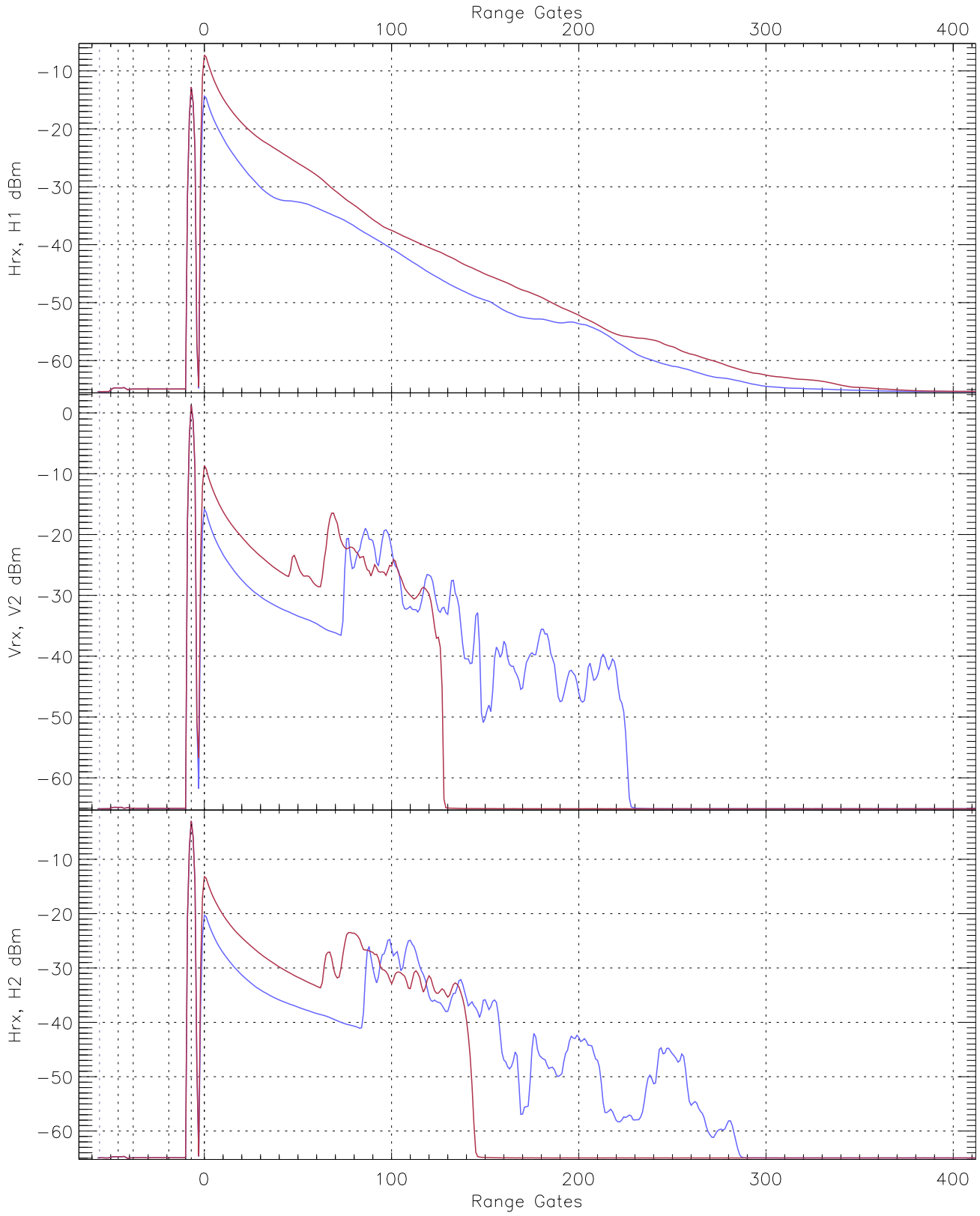
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.65	-64.31	-65.38	-65.38	-76.85
Vrx, V2(RM [dBm])	-66.30	-64.01	-65.09	-65.10	-76.58
Hrx, H2(RM [dBm])	-66.13	-63.65	-64.92	-64.93	-76.44

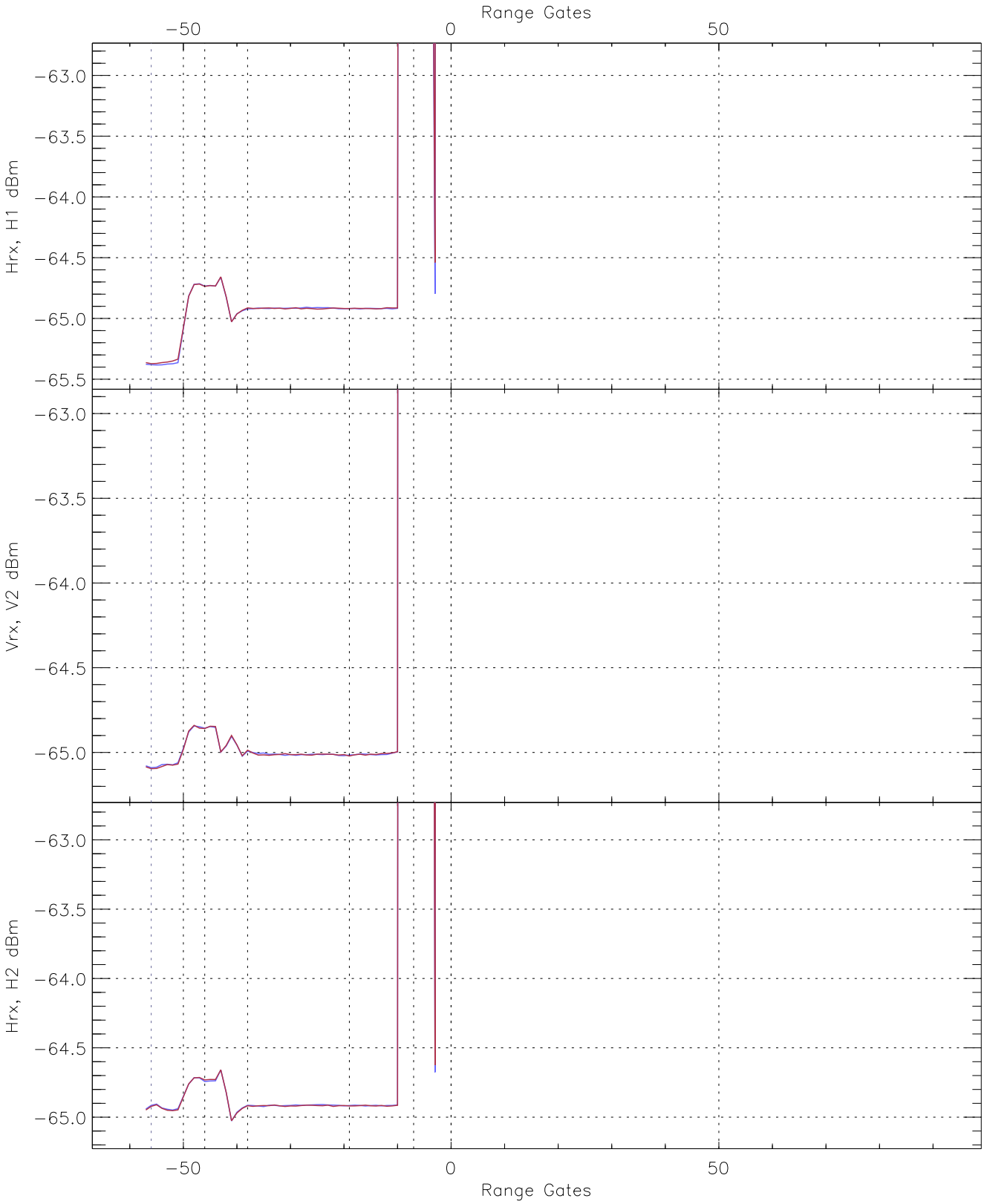


WCR3 CPP "Best" estimate Receivers Noise Power

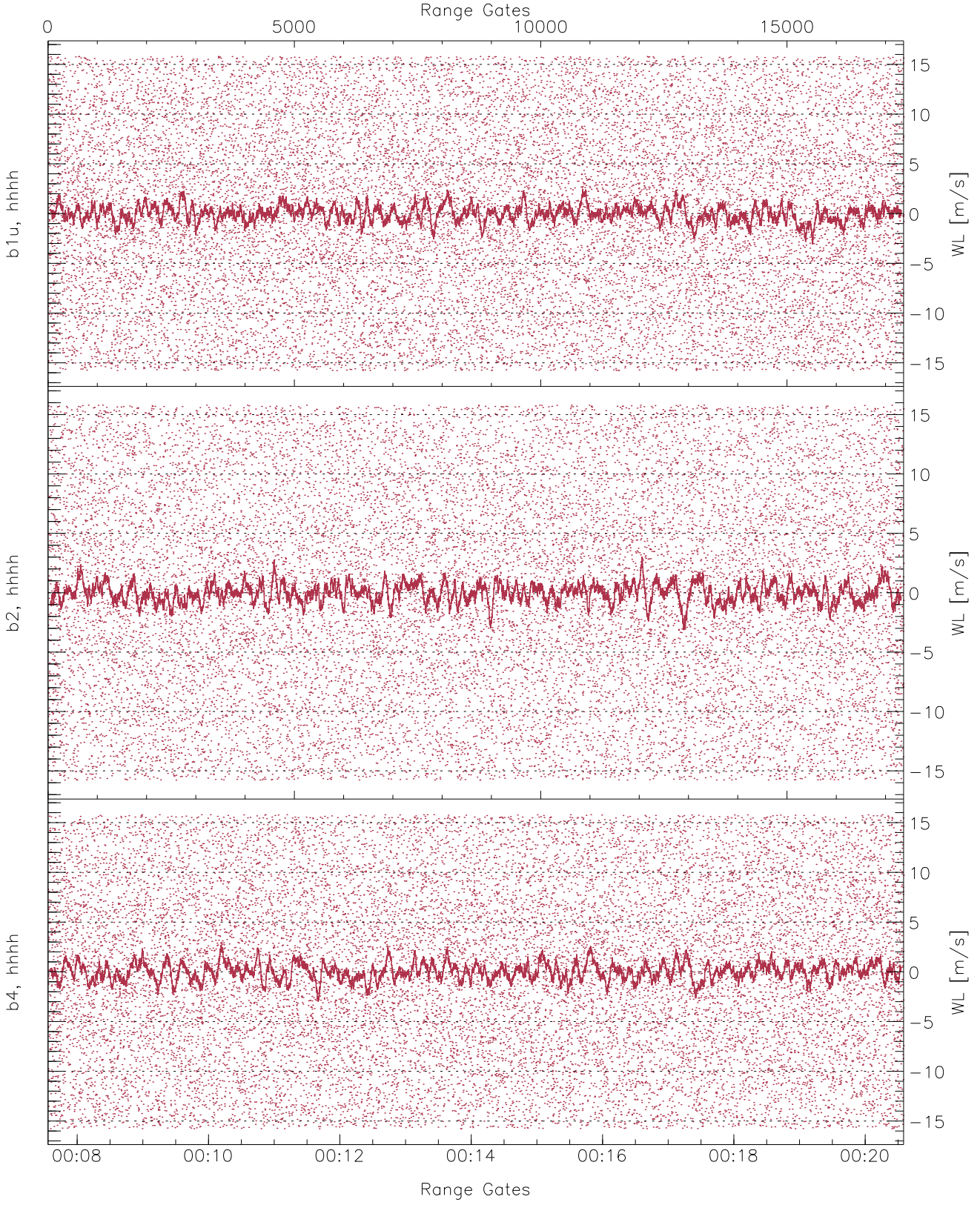
	Min	Max	Mean	Median	StDev
H1RM_0 [dBm]	-66.65	-64.31	-65.38	-65.38	-76.85
V2RG266_0 [dBm]	-66.56	-63.90	-65.09	-65.10	-76.63
H2RG307_0 [dBm]	-66.32	-63.90	-64.95	-64.96	-76.43



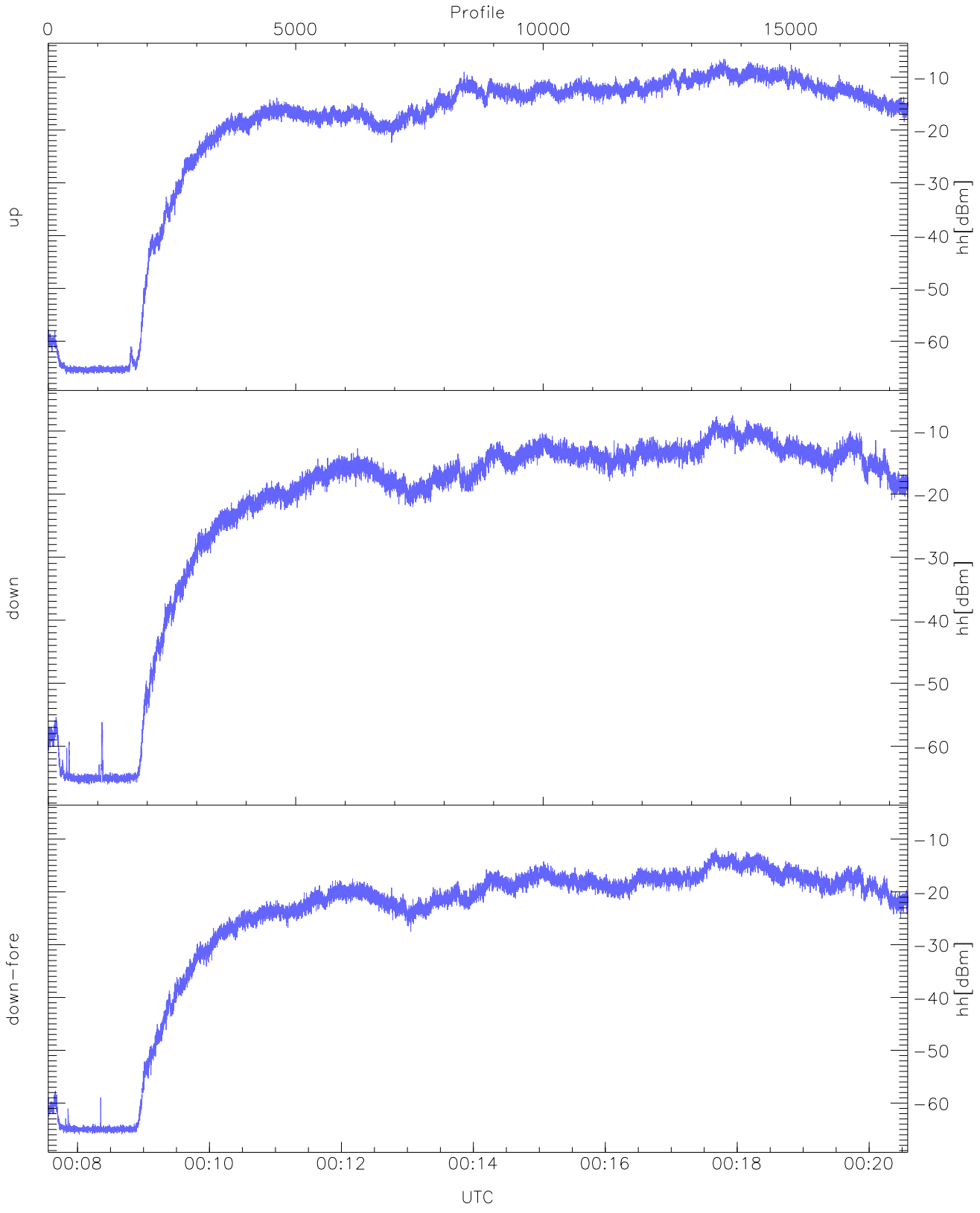
WCR3 CPP Averaged Received power for all recorded gates
blue: 000733-001404, 8685 profiles averaged
red: 001404-002035, 8684 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 000733-001404, 8685 profiles averaged
red: 001404-002035, 8684 profiles averaged

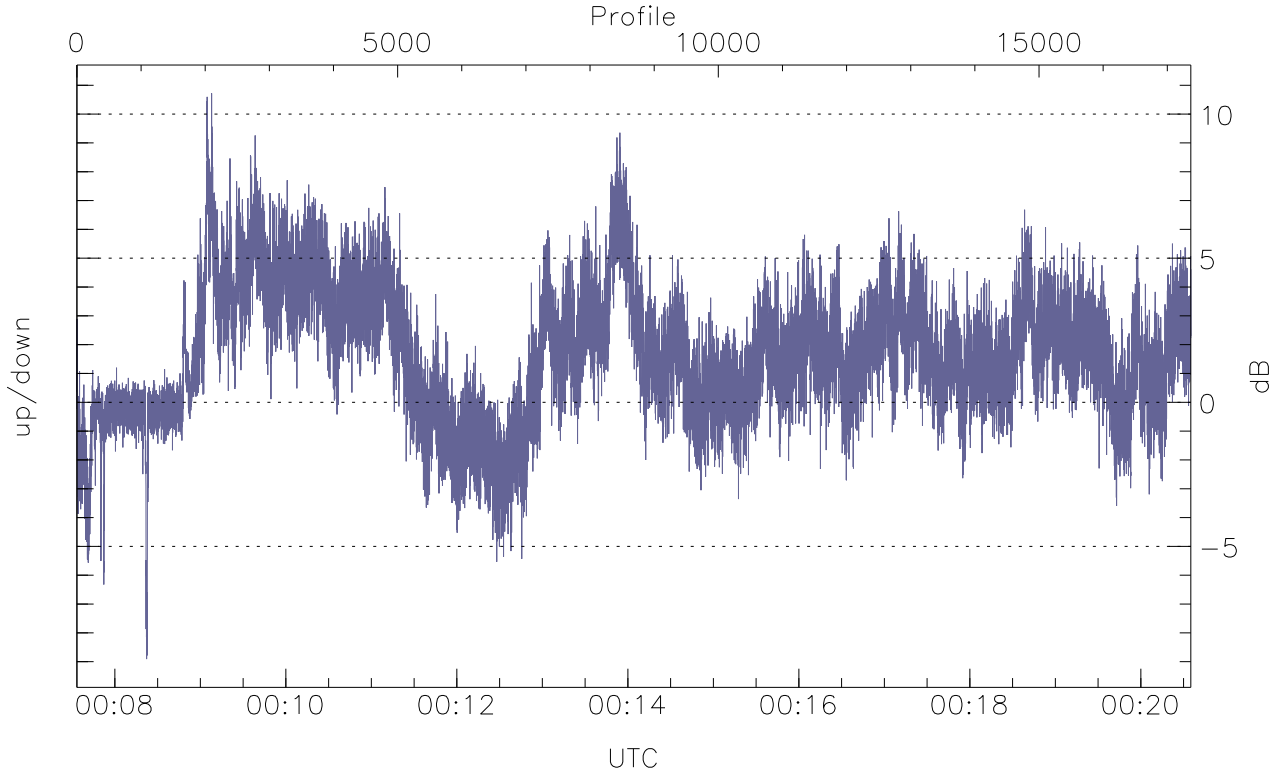


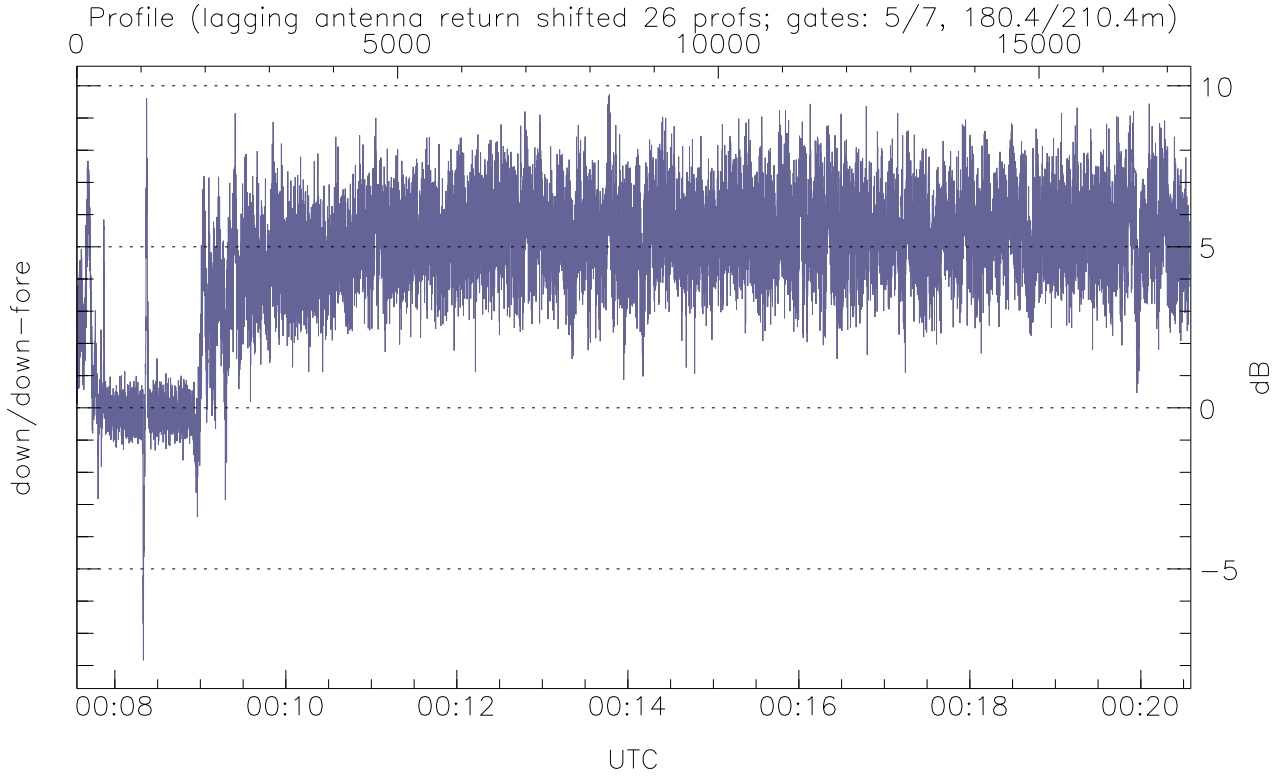
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

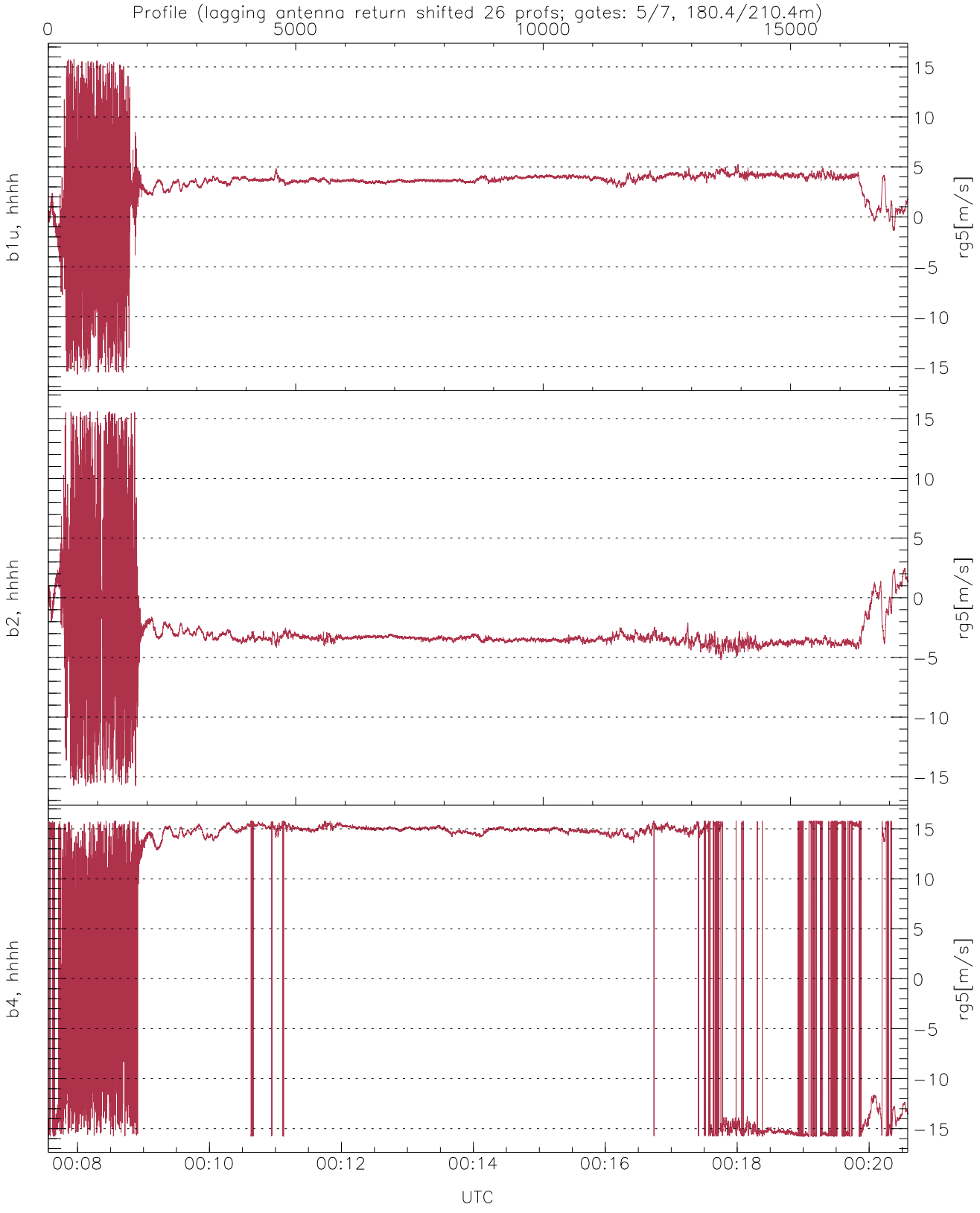
	Min	Max	Mean
up(hh[dBm])	-66.34	-6.55	-13.66
down(hh[dBm])	-66.06	-7.50	-15.24
down-fore(hh[dBm])	-65.94	-11.69	-19.36





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

	Min	Max	Mean
up/down(dB)	-8.91	10.72	1.67
down/down-fore(dB)	-7.84	9.73	4.73



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.76	15.79	3.29	2.59
b2, hhhh(rg5[m/s])	-15.78	15.62	-2.88	2.70
b4, hhhh(rg5[m/s])	-15.79	15.79	7.93	12.12