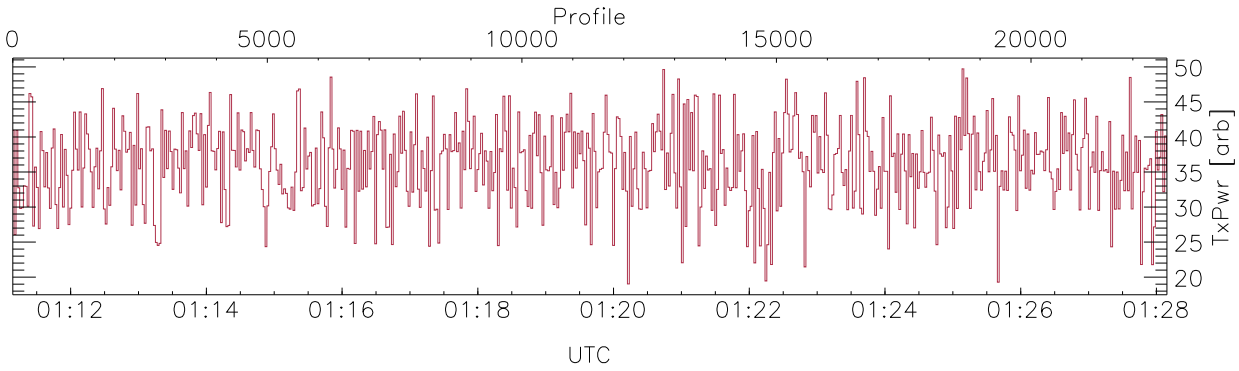
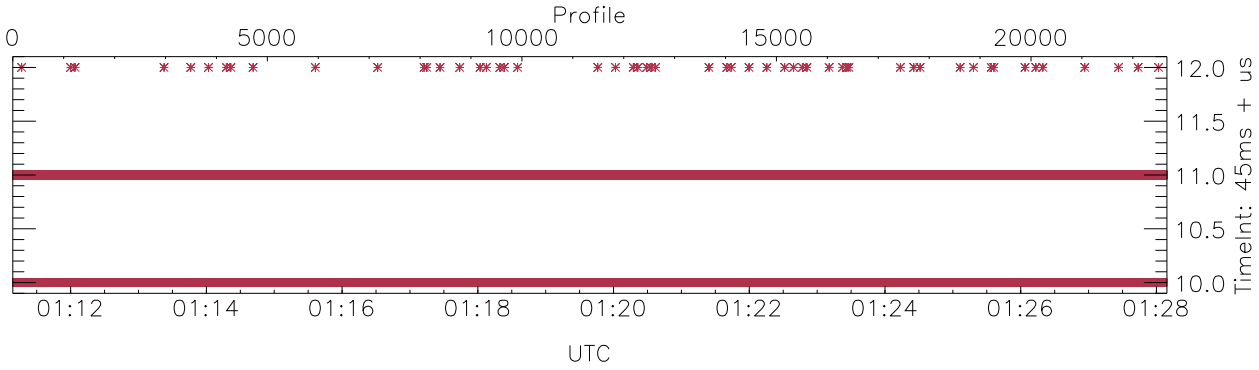
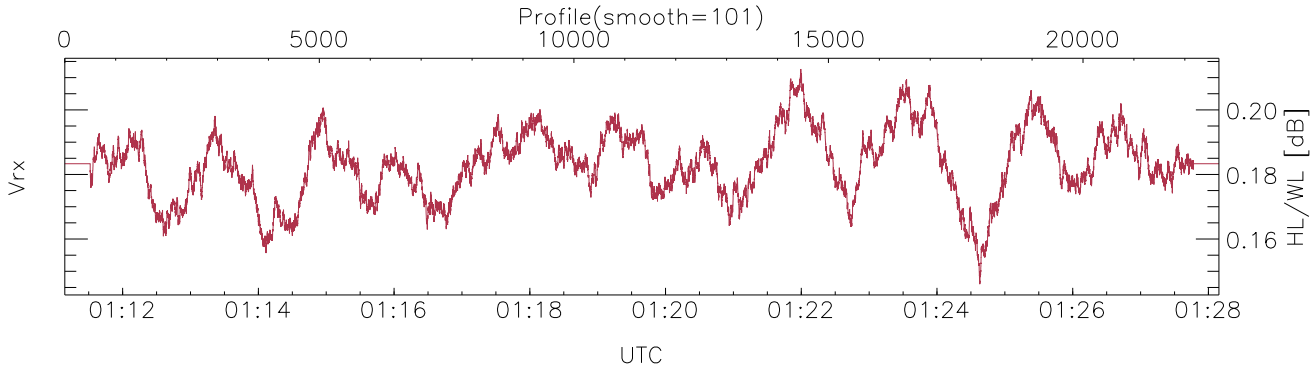
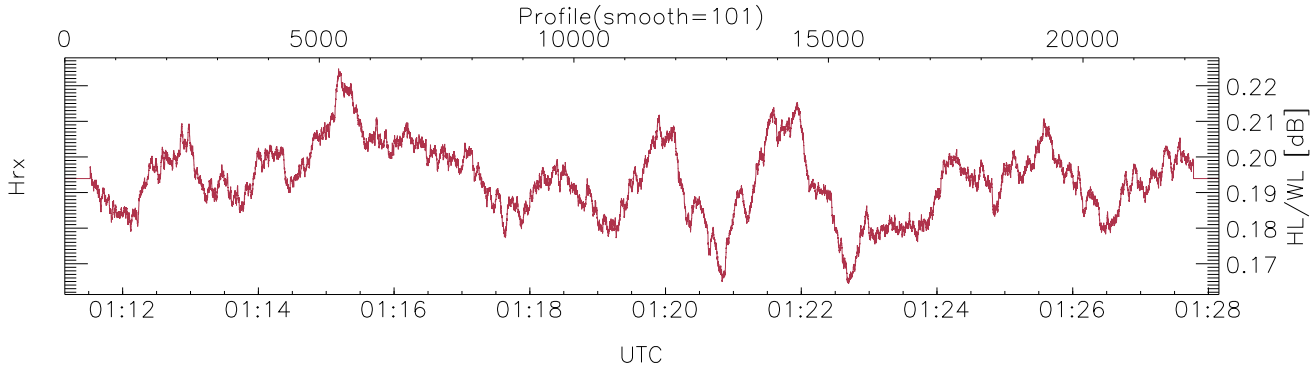


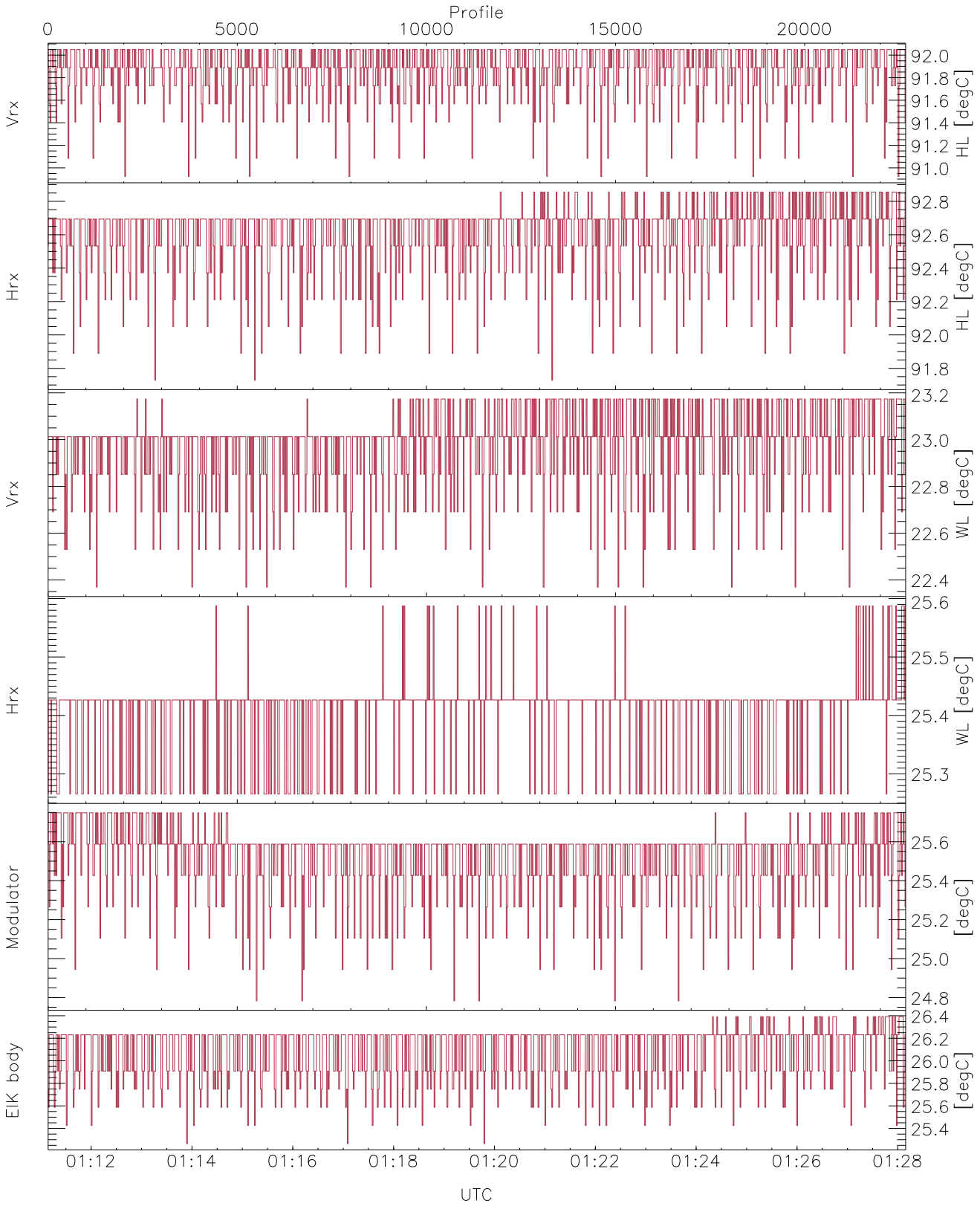






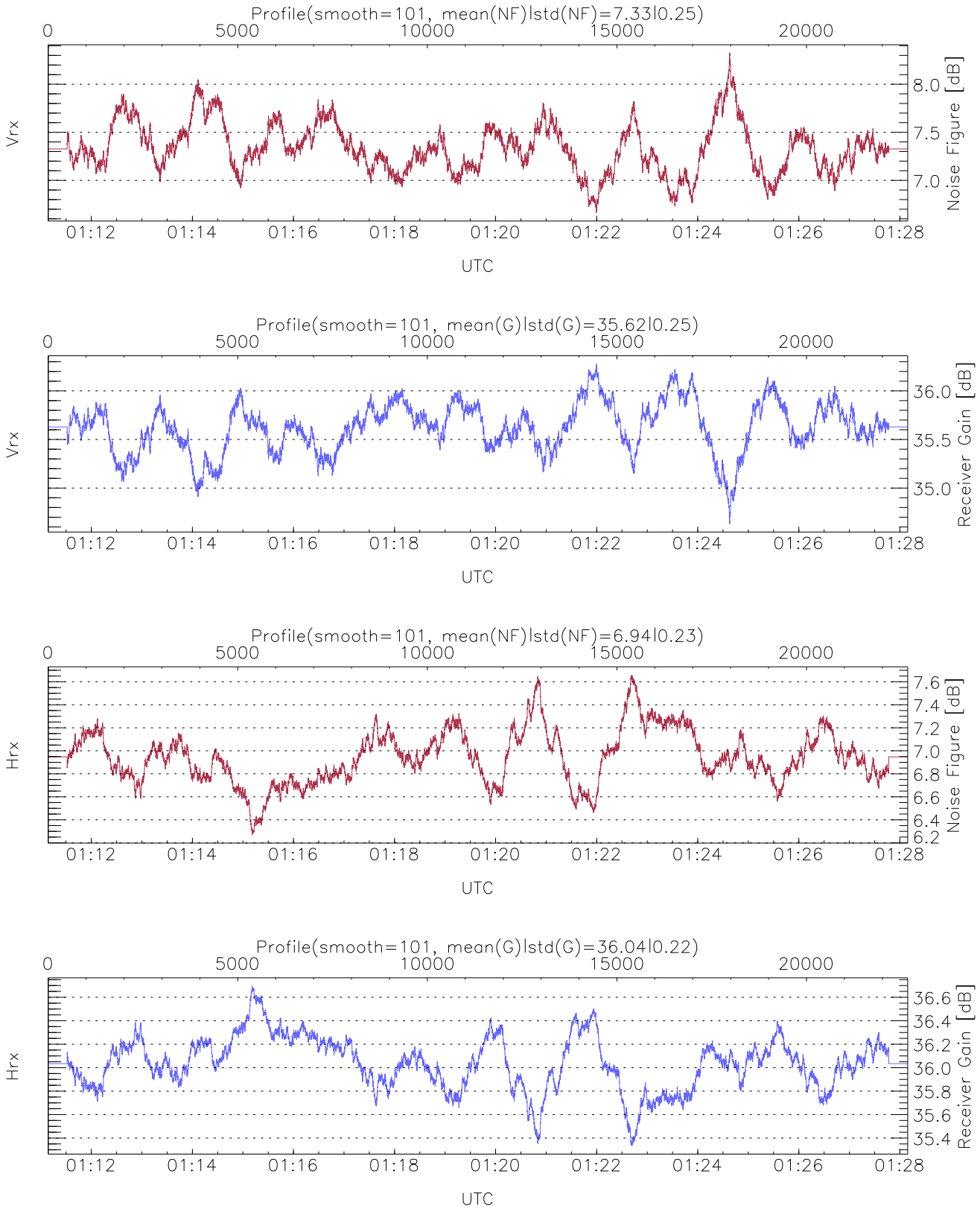
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 01:11:09-01:28:09, 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, 0-22671/01:11:09-01:28:09
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



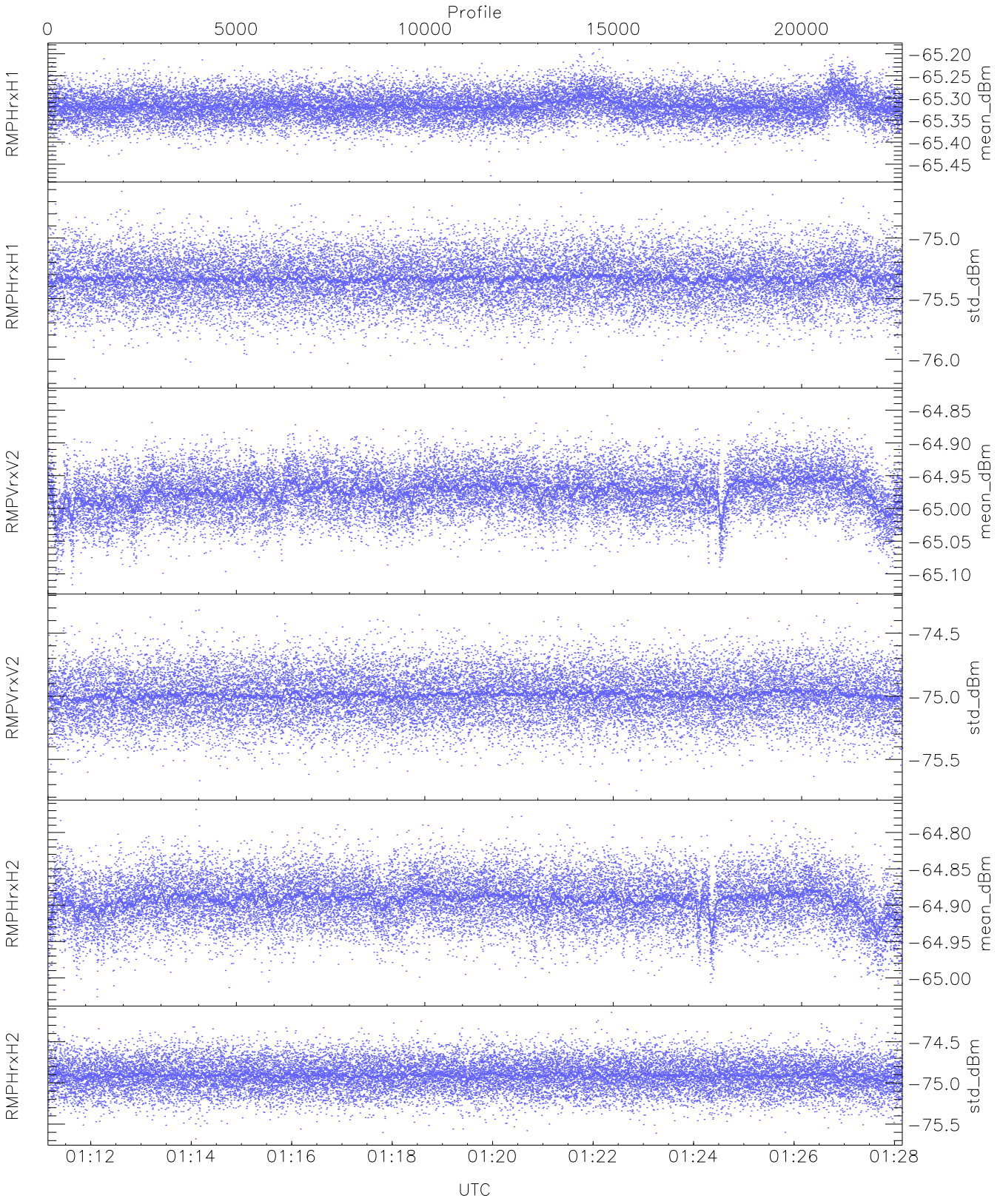
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,22,25,24,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,23,25,25,26
LOalarm(20,240,2817,14861 MHz): 0,0,22,0
EIK/Modulator Faults: None



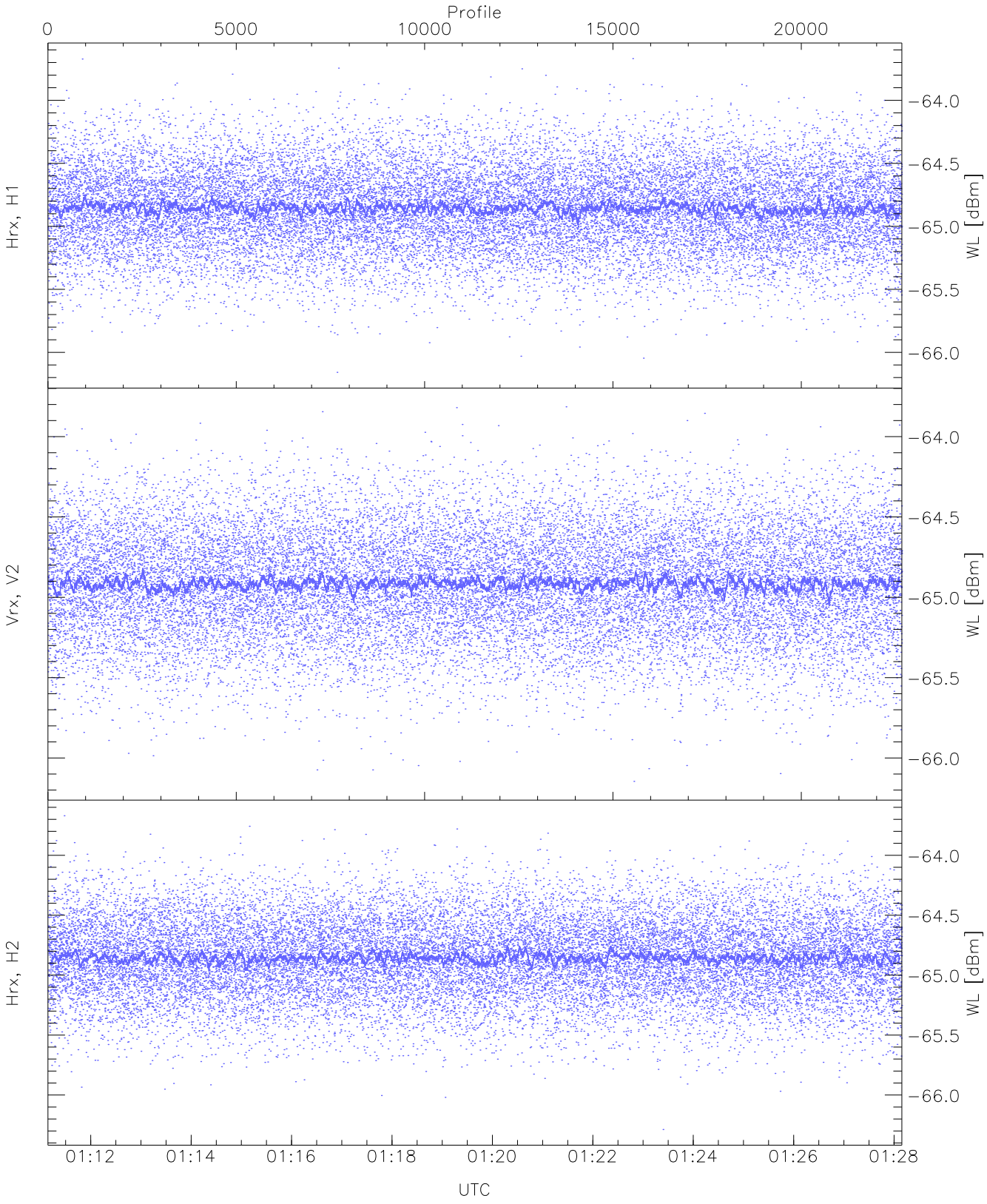
WCR3 CPP Receivers Gain and Noise Figure

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



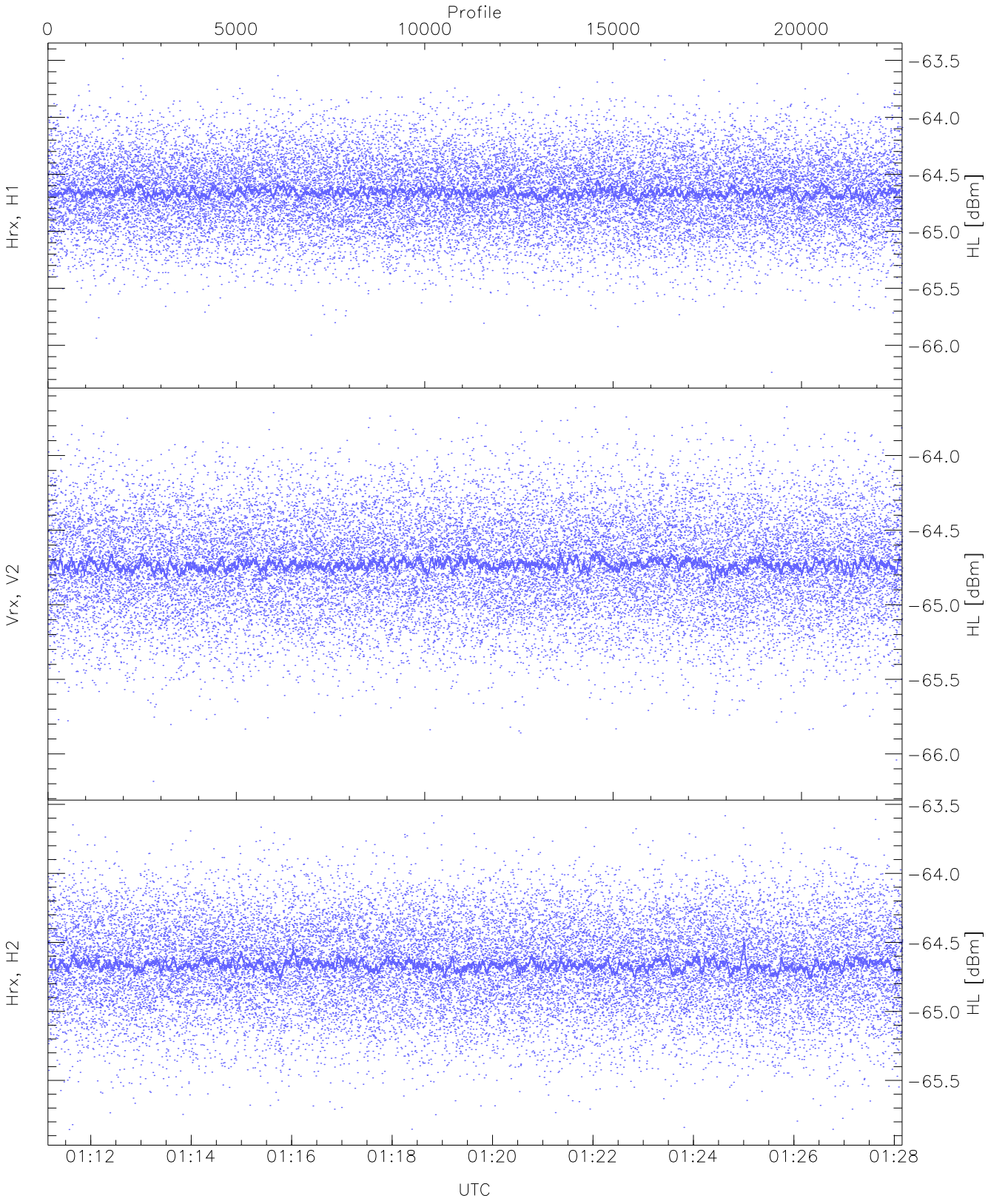
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.48	-65.19	-65.32	-65.32	-86.80
RMPHrxH1(std_dBm)	-76.16	-74.62	-75.33	-75.34	-89.11
RMPVrxV2(mean_dBm)	-65.12	-64.83	-64.97	-64.97	-86.16
RMPVrxV2(std_dBm)	-75.75	-74.26	-74.99	-74.99	-88.80
RMPHrxH2(mean_dBm)	-65.03	-64.77	-64.89	-64.89	-86.28
RMPHrxH2(std_dBm)	-75.68	-74.14	-74.91	-74.91	-88.68



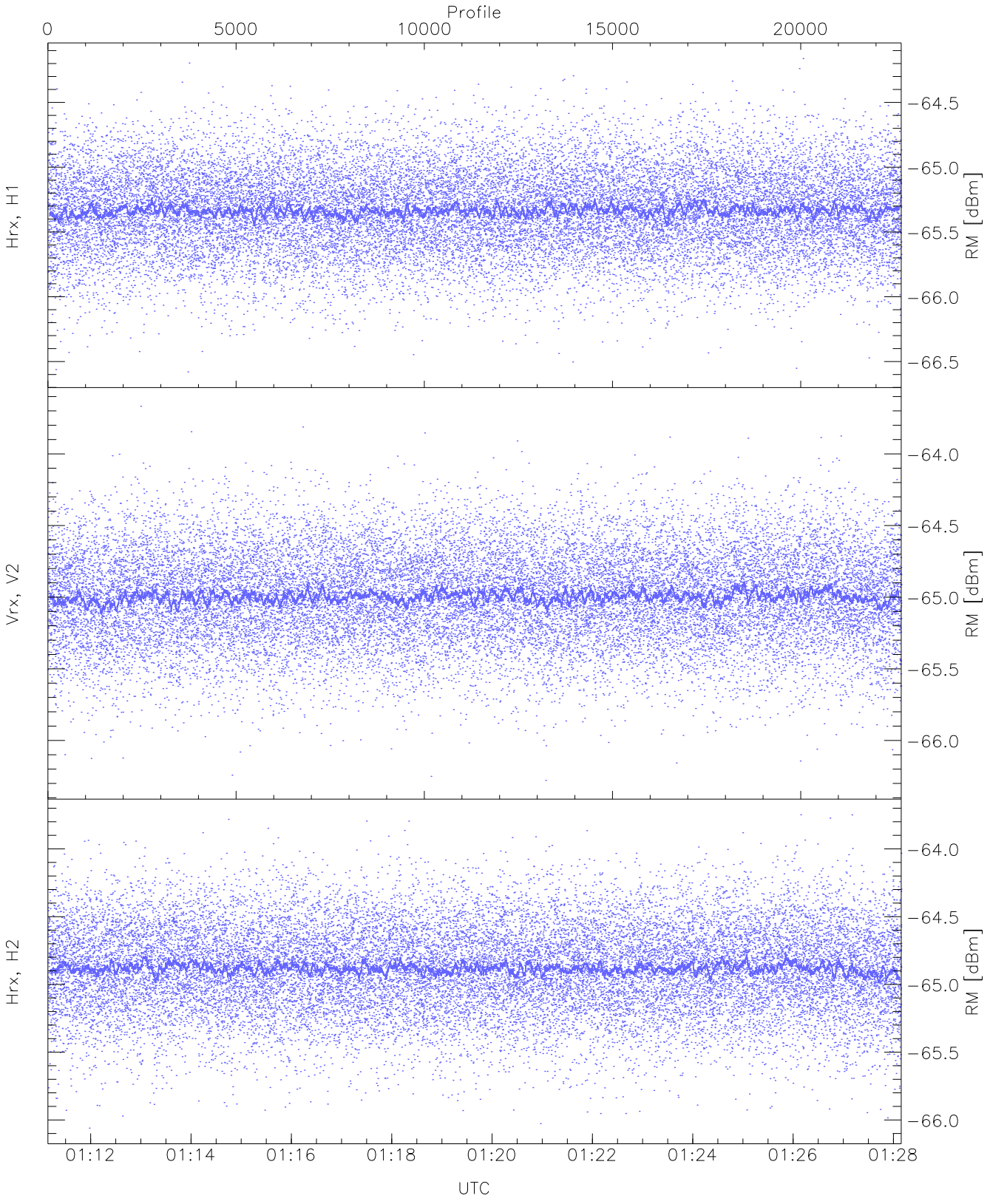
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.16	-63.67	-64.85	-64.86	-76.35
Vrx, V2(WL [dBm])	-66.15	-63.81	-64.91	-64.91	-76.42
Hrx, H2(WL [dBm])	-66.29	-63.67	-64.85	-64.86	-76.36



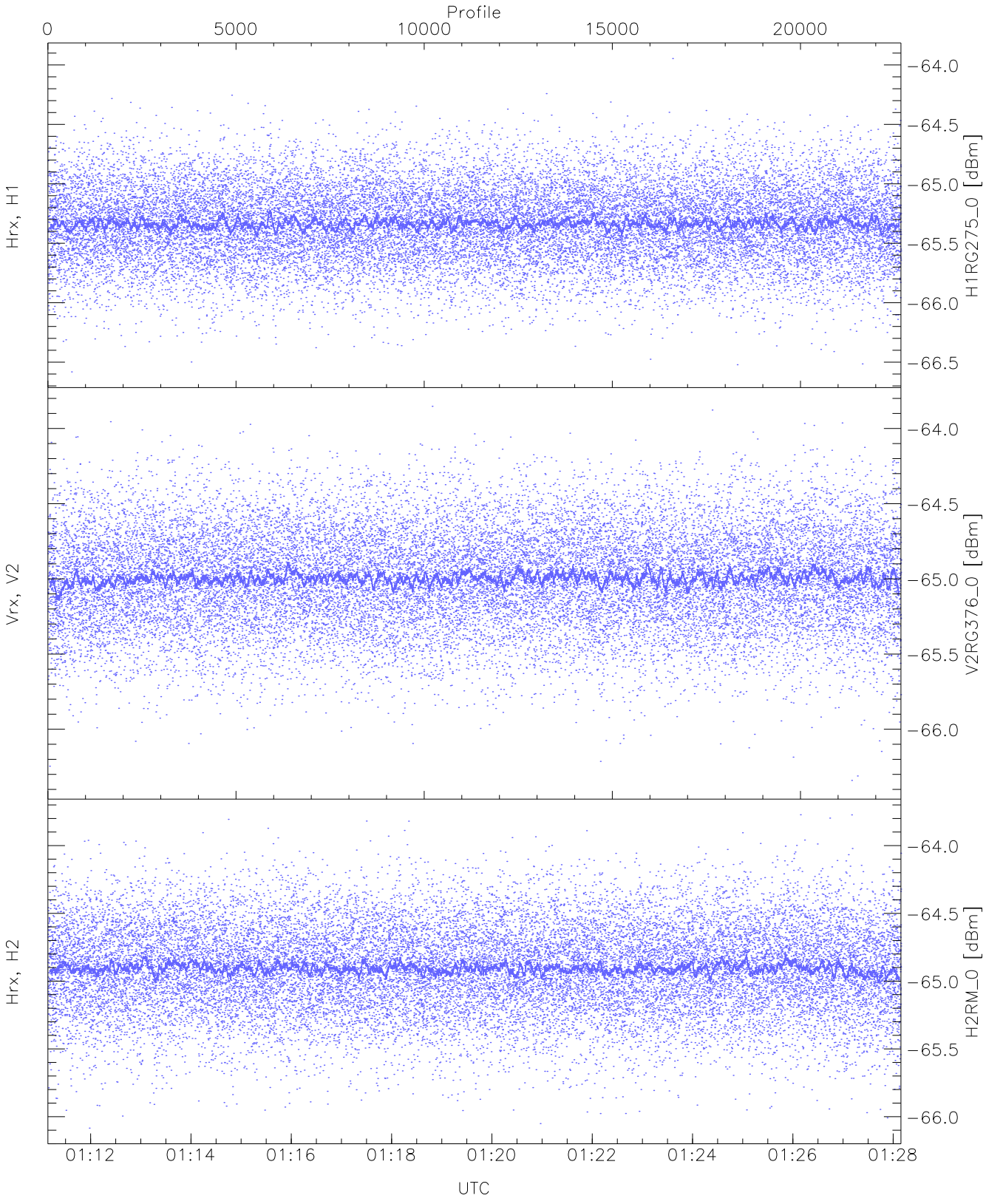
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-66.24	-63.49	-64.65	-64.66	-76.18
Vrx, V2(HL [dBm])	-66.18	-63.67	-64.72	-64.73	-76.24
Hrx, H2(HL [dBm])	-65.86	-63.58	-64.66	-64.66	-76.16



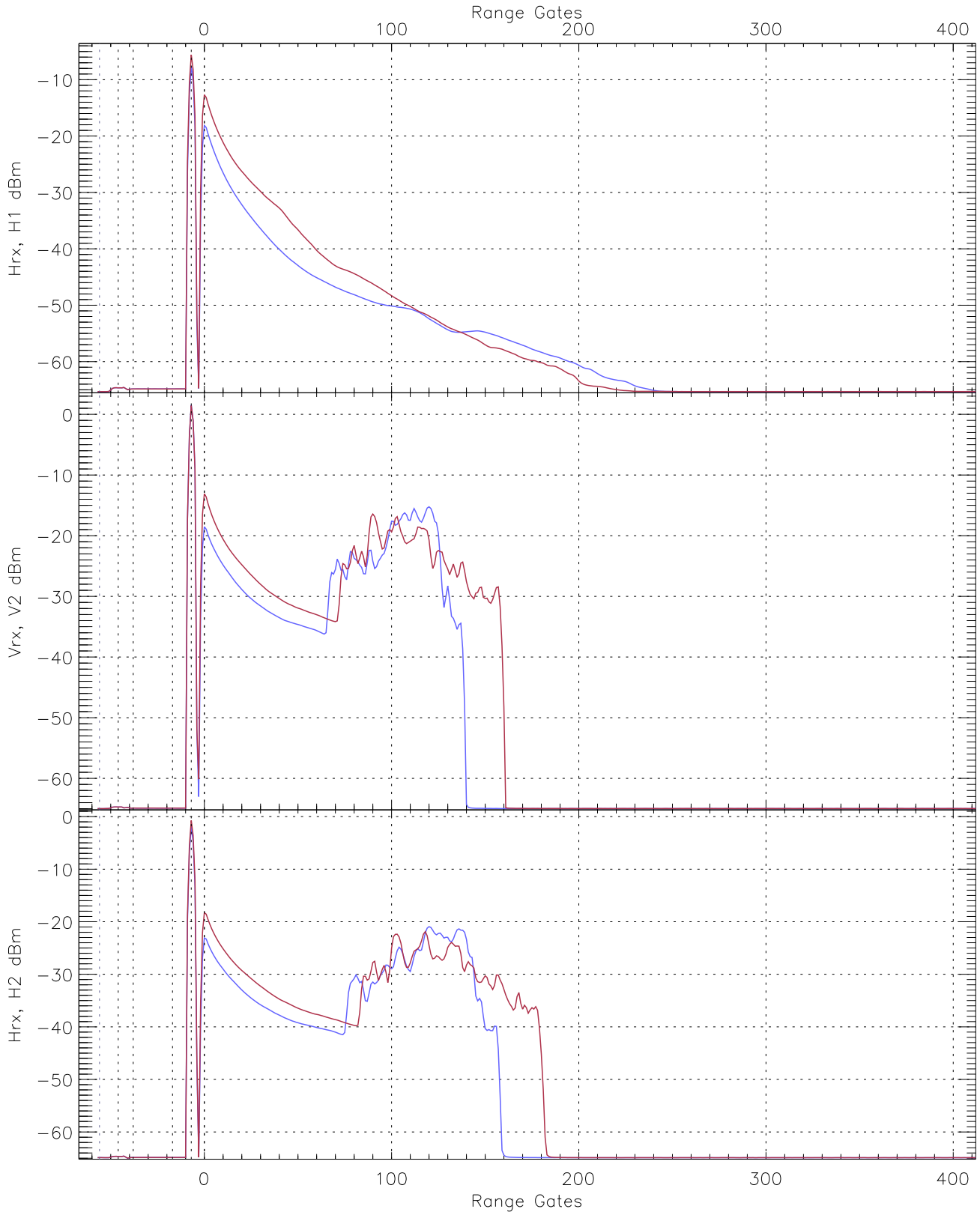
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.58	-64.16	-65.33	-65.34	-76.84
Vrx, V2(RM [dBm])	-66.28	-63.67	-64.99	-65.00	-76.49
Hrx, H2(RM [dBm])	-66.06	-63.75	-64.87	-64.88	-76.37

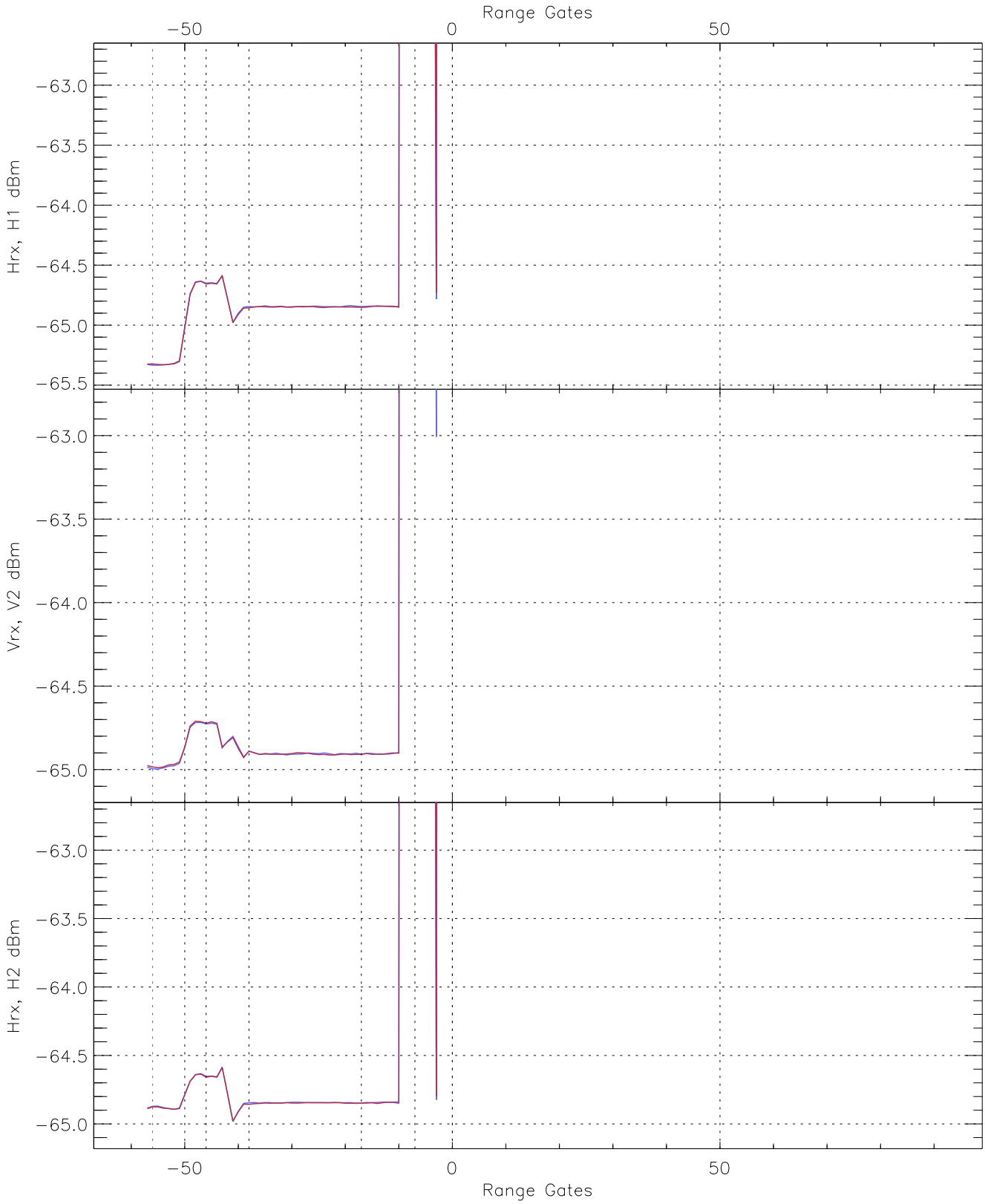


WCR3 CPP "Best" estimate Receivers Noise Power

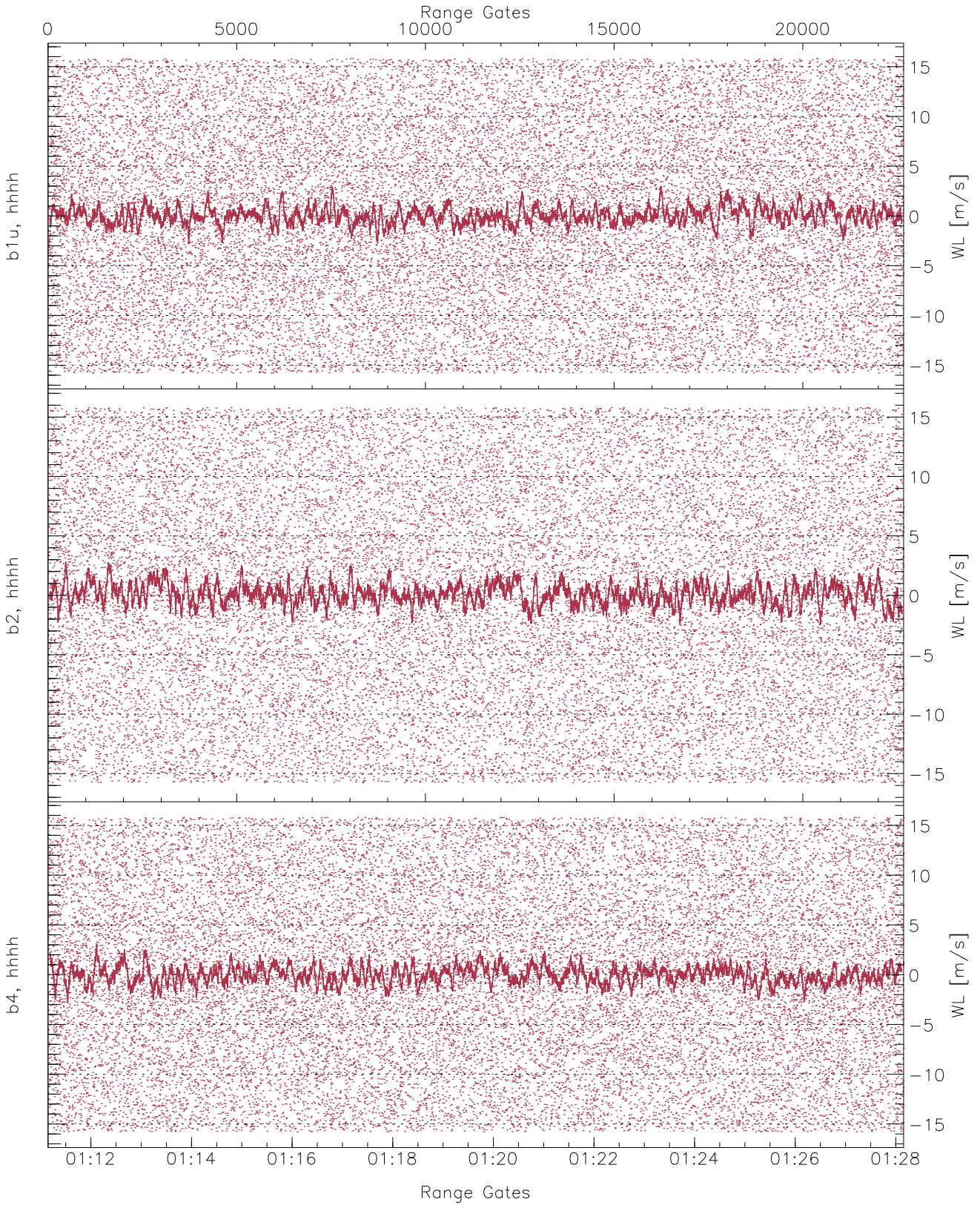
	Min	Max	Mean	Median	StDev
H1RG275_0 [dBm]	-66.58	-63.95	-65.33	-65.33	-76.84
V2RG376_0 [dBm]	-66.34	-63.85	-64.99	-65.00	-76.48
H2RM_0 [dBm]	-66.08	-63.77	-64.90	-64.90	-76.40



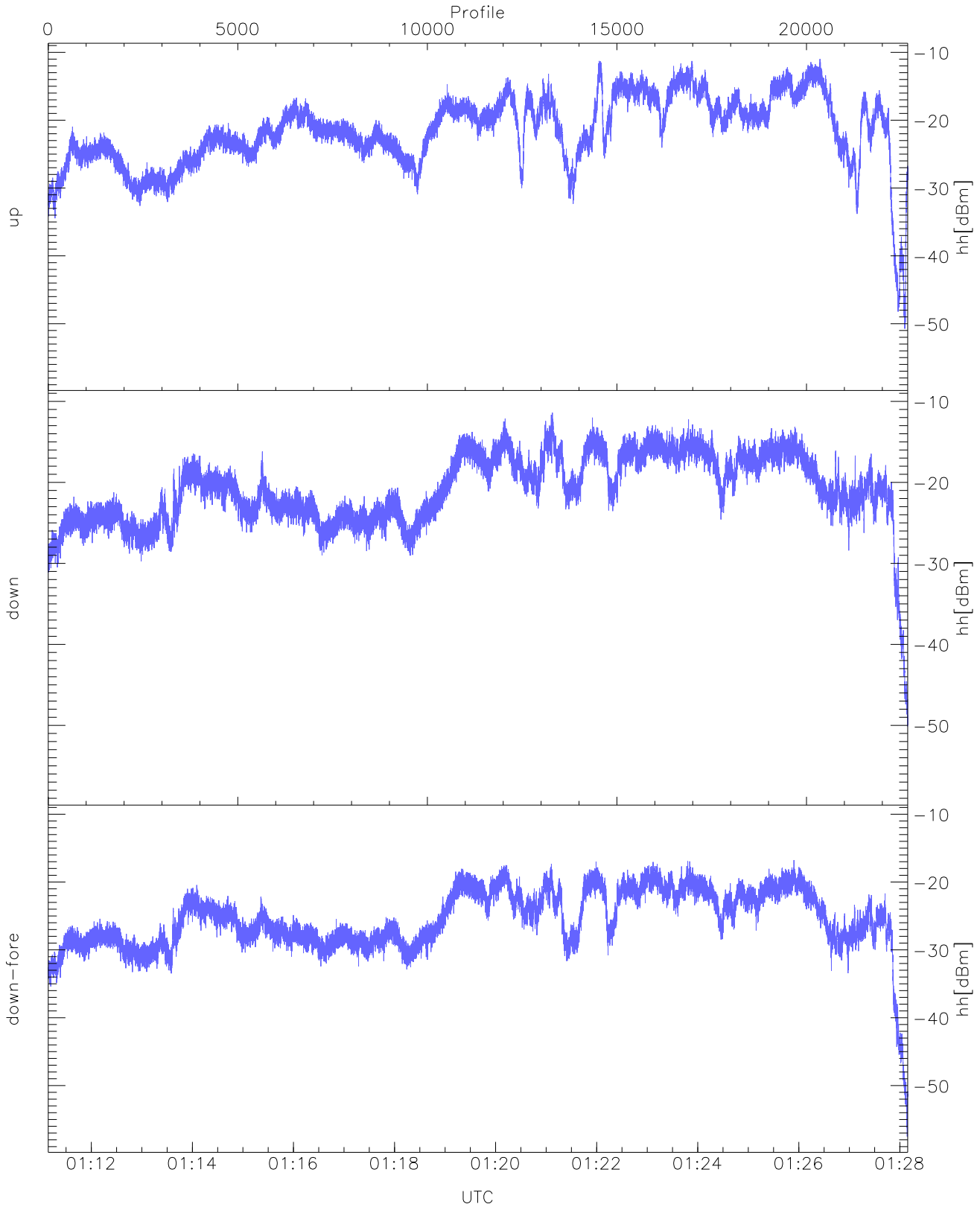
WCR3 CPP Averaged Received power for all recorded gates
blue: 011109-011939, 11337 profiles averaged
red: 011939-012809, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 011109-011939, 11337 profiles averaged
red: 011939-012809, 11336 profiles averaged

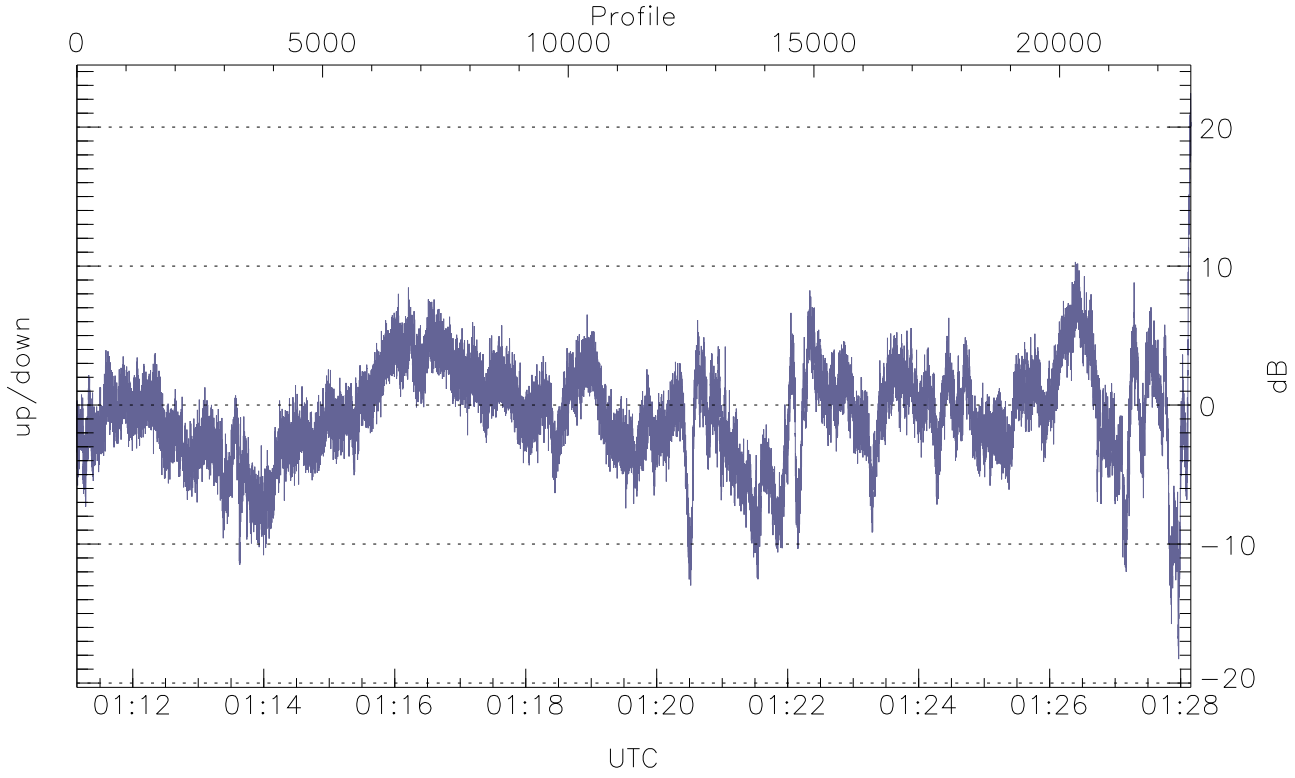


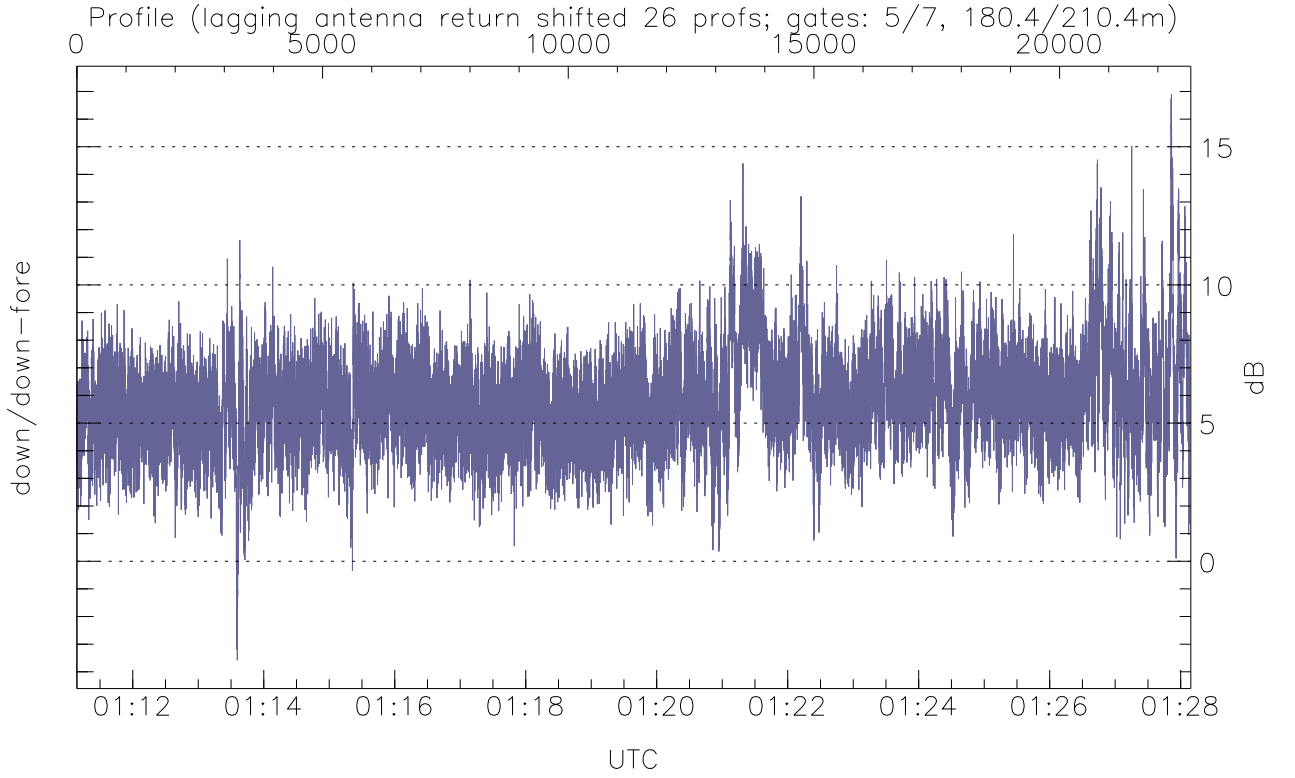
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

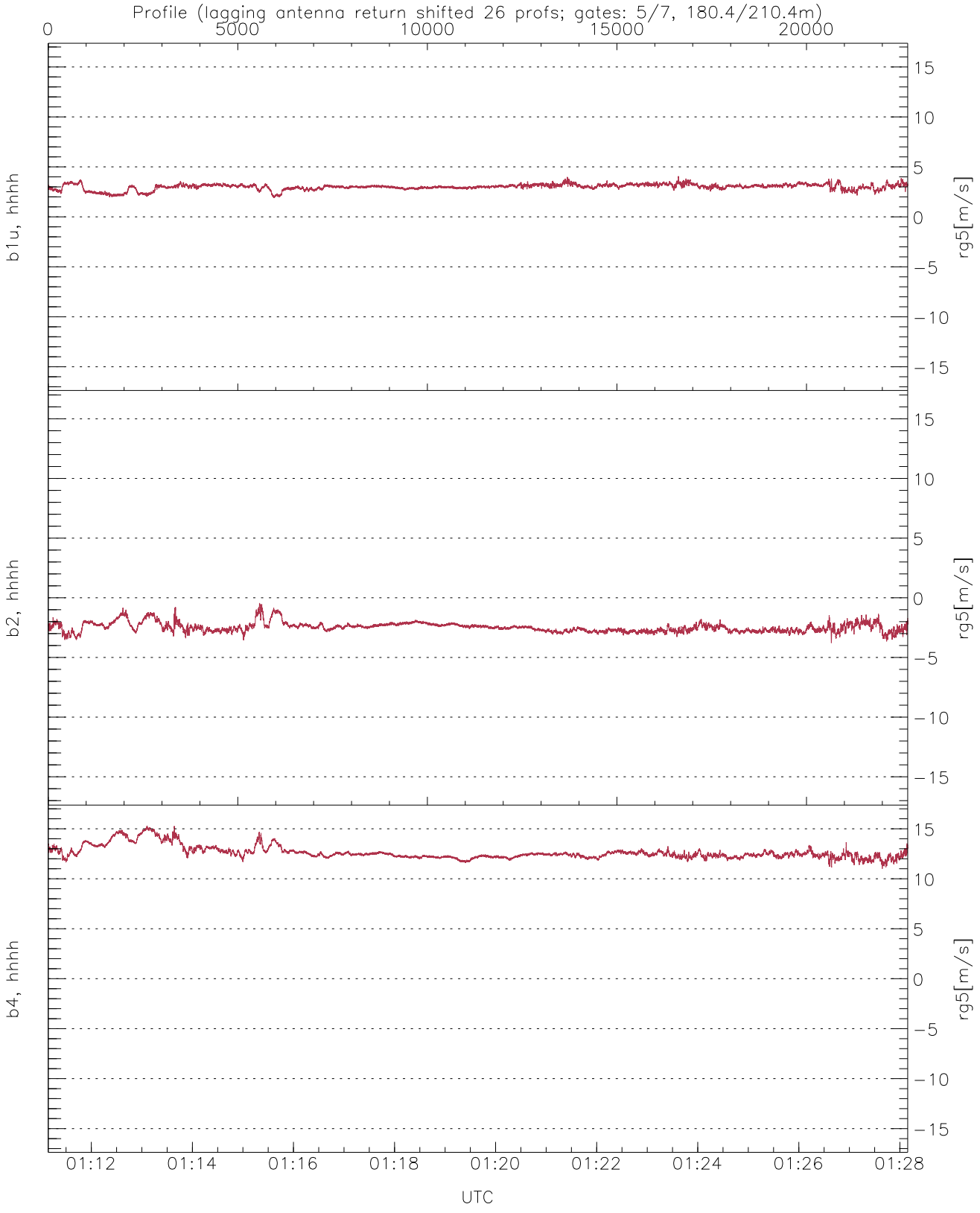
	Min	Max	Mean
up(hh[dBm])	-50.74	-10.98	-19.22
down(hh[dBm])	-50.11	-11.40	-19.15
down-fore(hh[dBm])	-57.52	-16.77	-23.77





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

	Min	Max	Mean
up/down(dB)	-18.28	22.43	-0.72
down/down-fore(dB)	-3.58	16.89	5.84



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	1.91	4.07	2.99	0.29
b2, hhhh(rg5[m/s])	-3.78	-0.45	-2.47	0.40
b4, hhhh(rg5[m/s])	11.01	15.28	12.62	0.66