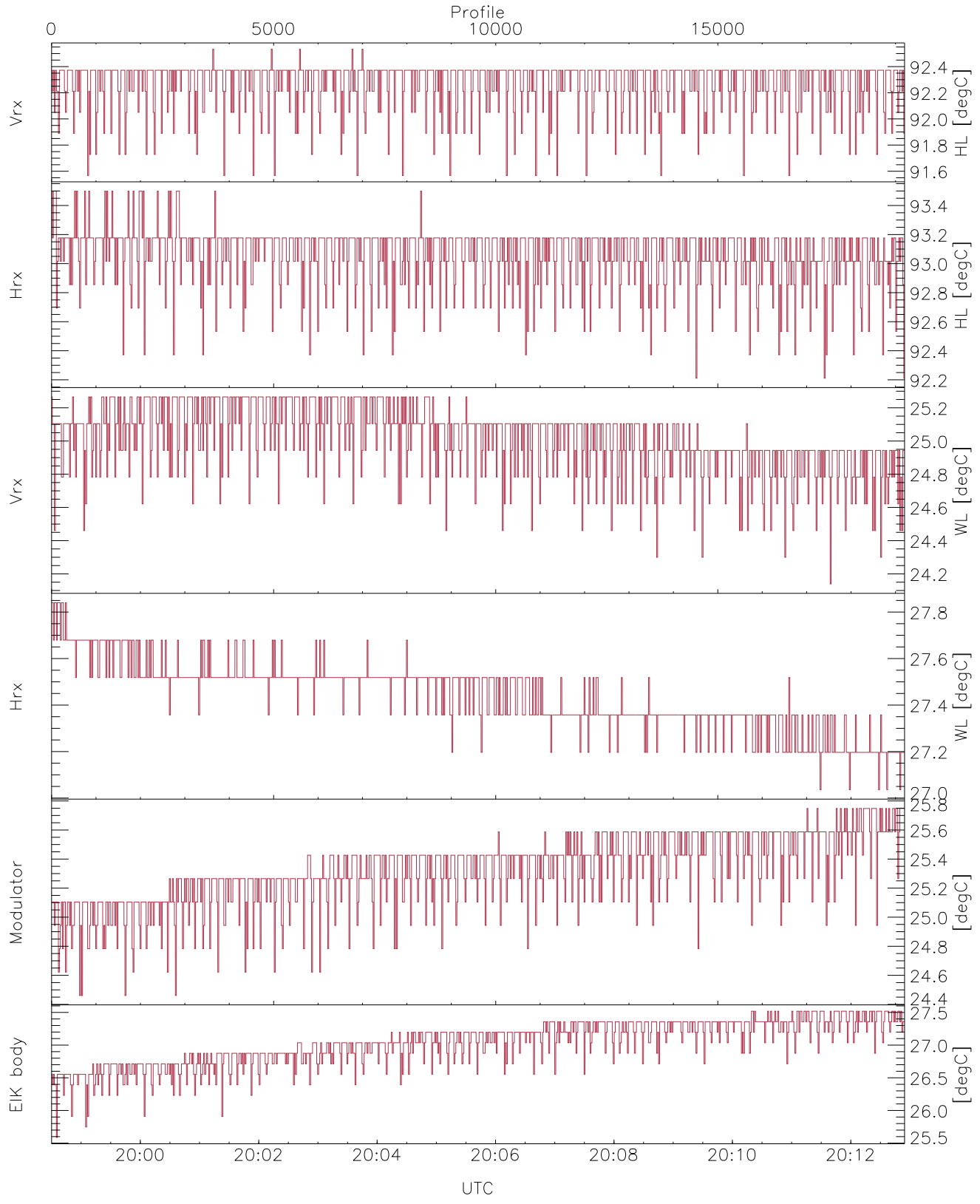
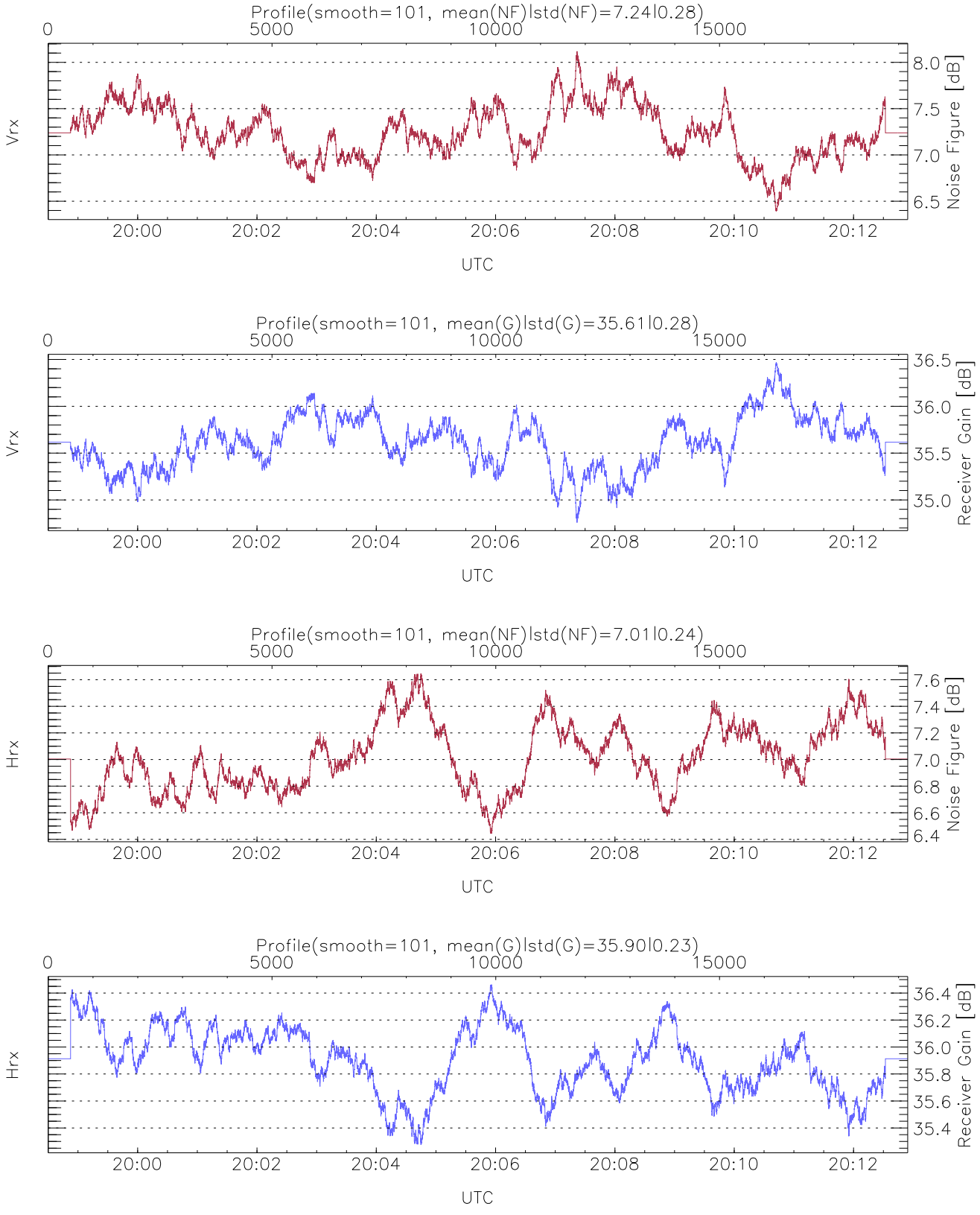
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 19:58:30-20:12:55, TimeCor: 0.00s, Dur: 864.44s
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): 19206/19206, 0-19205/19:58:30-20:12:55
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



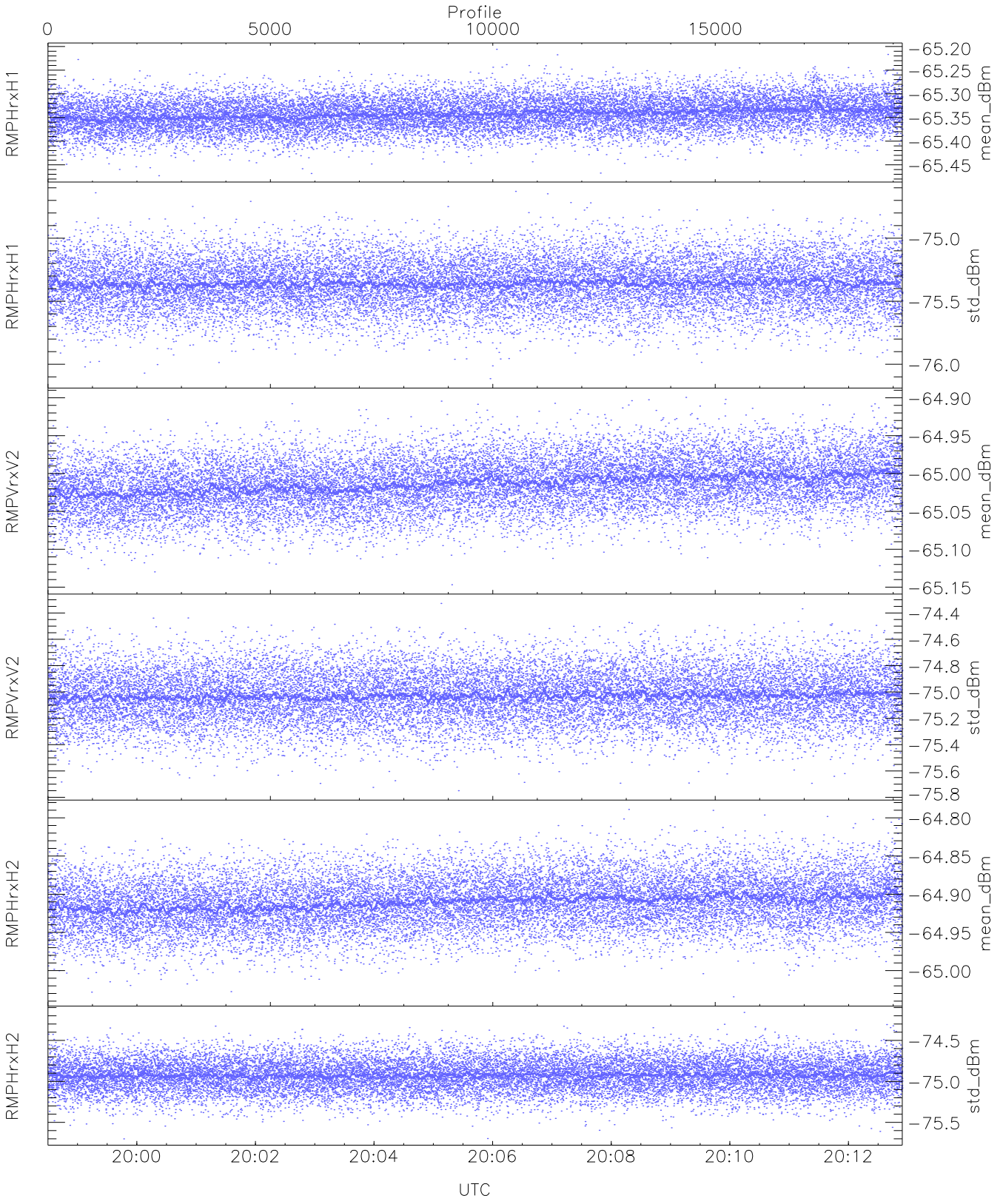
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,24,27,24,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,25,27,25,27
LOalarm(20,240,2817,14861 MHz): 0,0,46,0
EIK/Modulator Faults: None



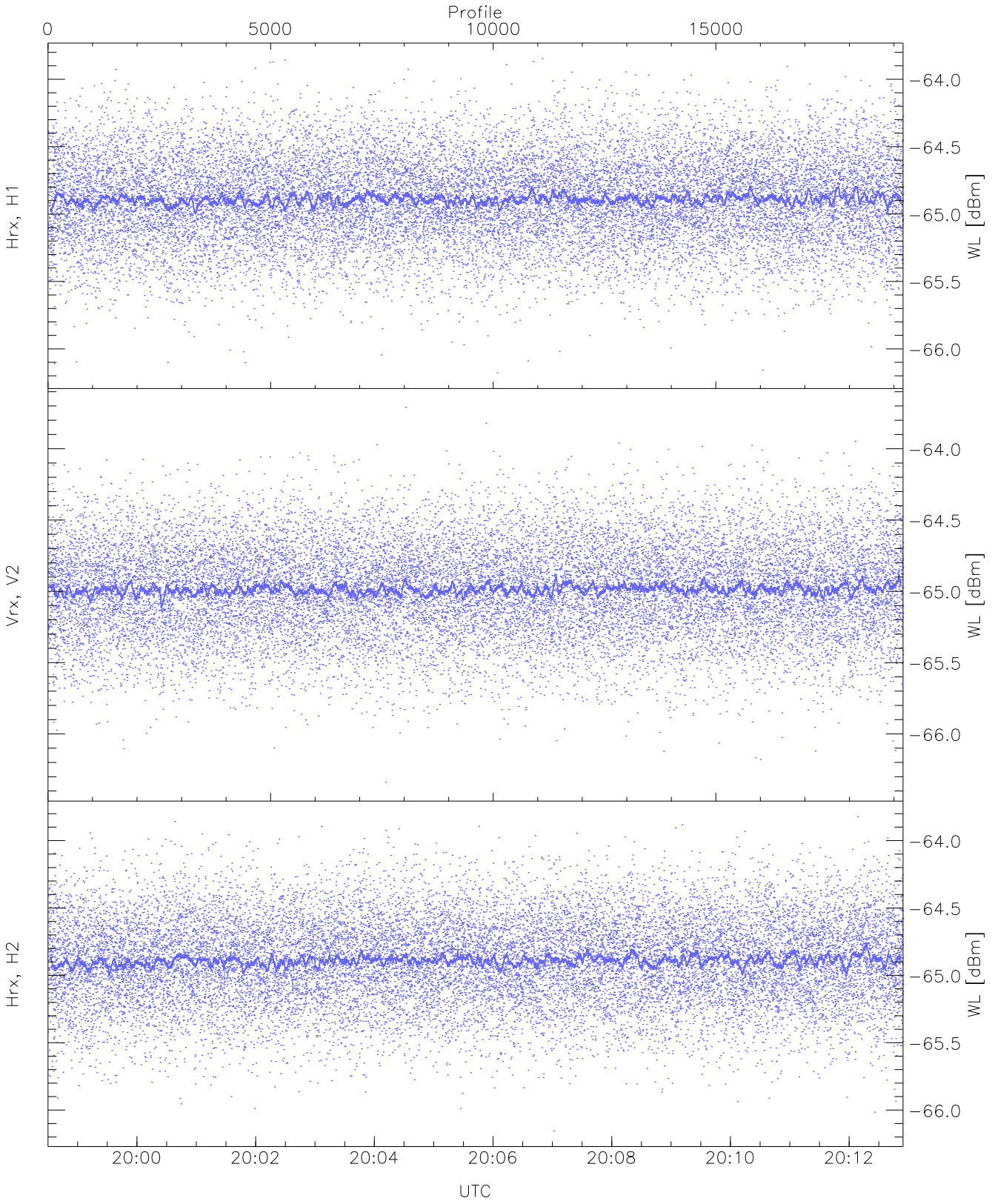
WCR3 CPP Receivers Gain and Noise Figure

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



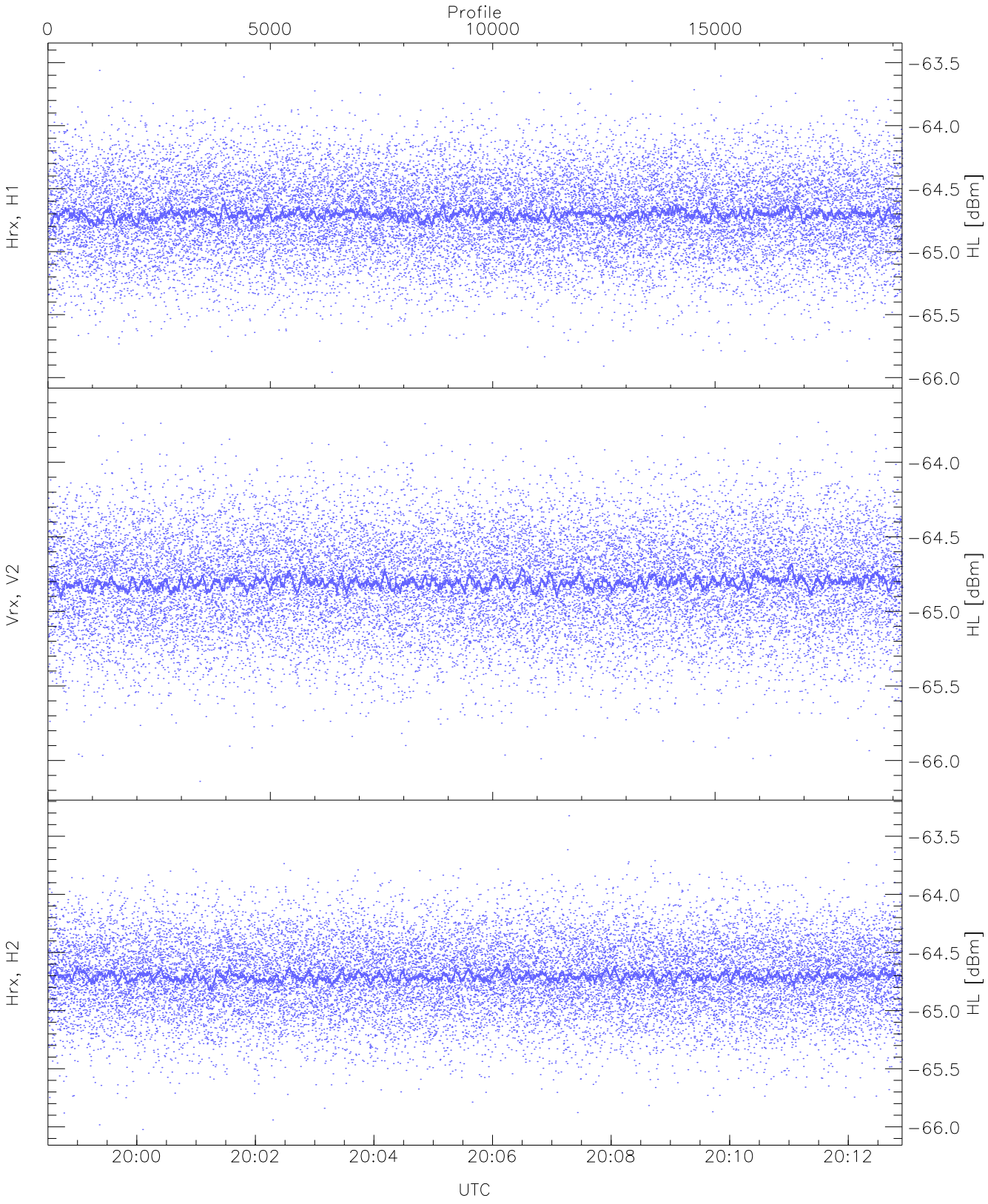
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.47	-65.21	-65.34	-65.34	-86.79
RMPHrxH1(std_dBm)	-76.11	-74.63	-75.36	-75.36	-89.17
RMPVrxV2(mean_dBm)	-65.15	-64.90	-65.01	-65.01	-86.44
RMPVrxV2(std_dBm)	-75.75	-74.33	-75.03	-75.03	-88.83
RMPHrxH2(mean_dBm)	-65.03	-64.79	-64.91	-64.91	-86.41
RMPHrxH2(std_dBm)	-75.70	-74.16	-74.93	-74.93	-88.73



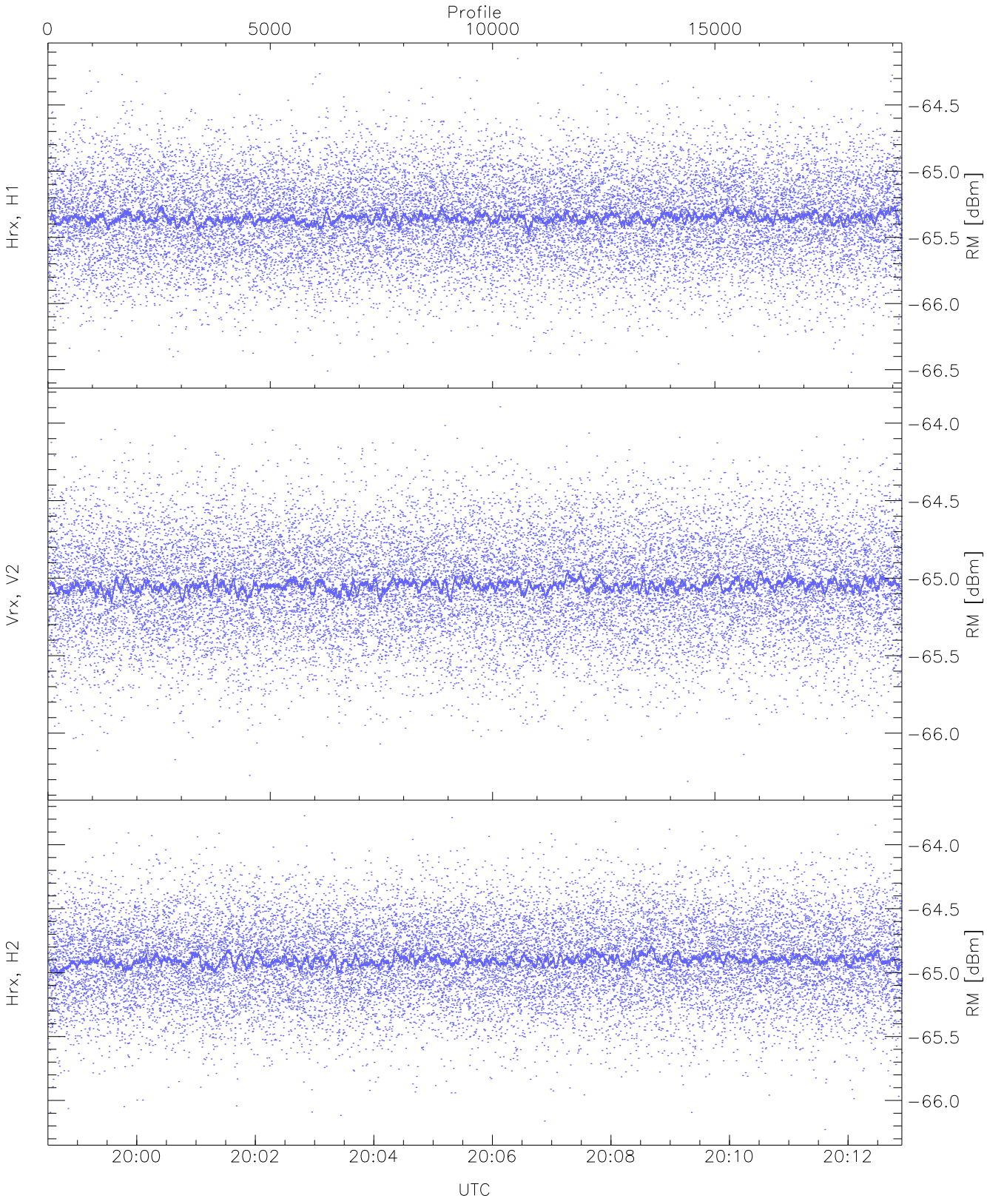
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.18	-63.85	-64.88	-64.89	-76.41
Vrx, V2(WL [dBm])	-66.34	-63.71	-64.98	-64.98	-76.45
Hrx, H2(WL [dBm])	-66.15	-63.82	-64.88	-64.89	-76.42



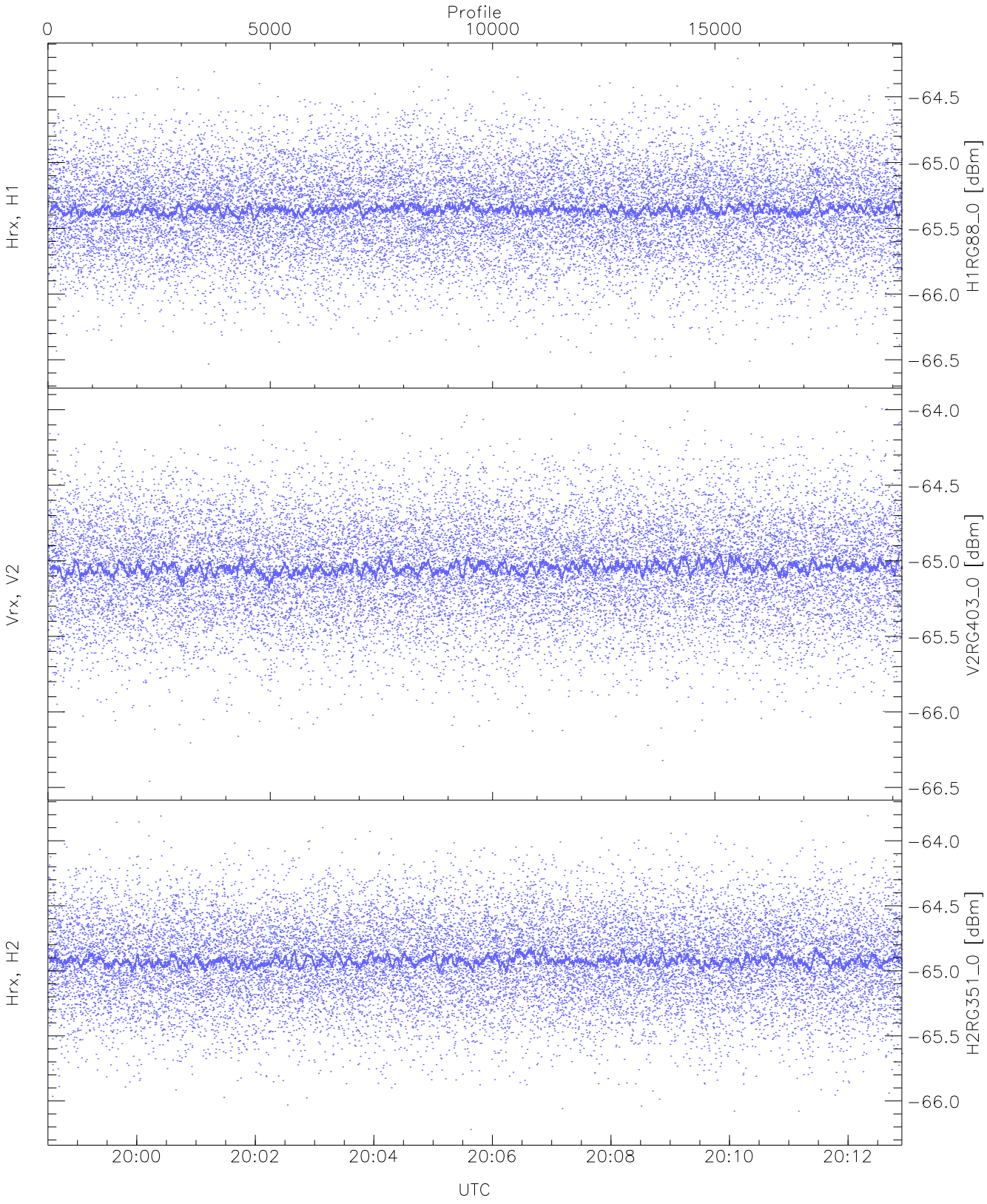
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-65.96	-63.47	-64.70	-64.70	-76.18
Vrx, V2(HL [dBm])	-66.14	-63.63	-64.80	-64.80	-76.30
Hrx, H2(HL [dBm])	-66.02	-63.32	-64.70	-64.70	-76.21



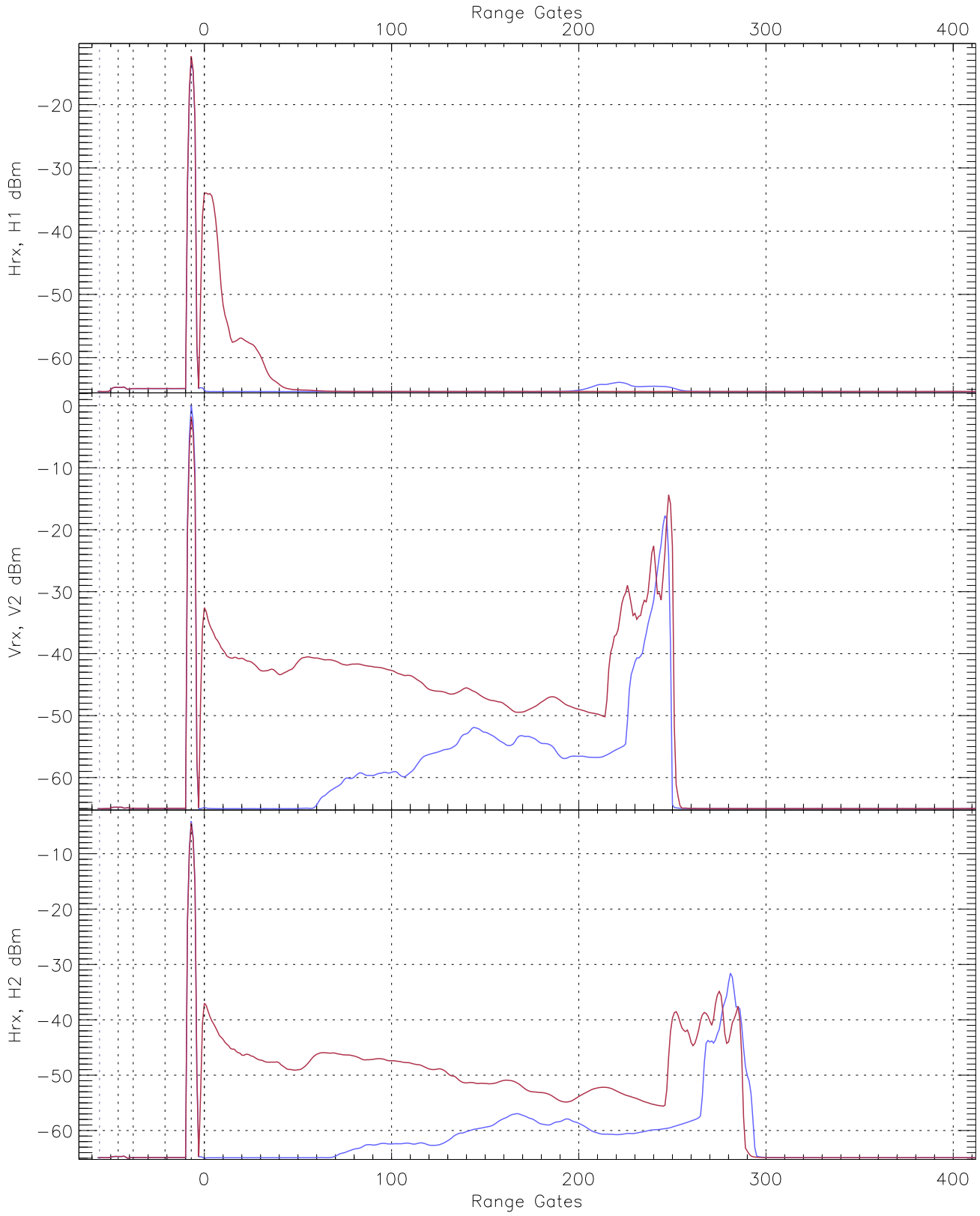
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.52	-64.15	-65.35	-65.35	-76.86
Vrx, V2(RM [dBm])	-66.31	-63.89	-65.04	-65.05	-76.58
Hrx, H2(RM [dBm])	-66.23	-63.77	-64.89	-64.90	-76.39

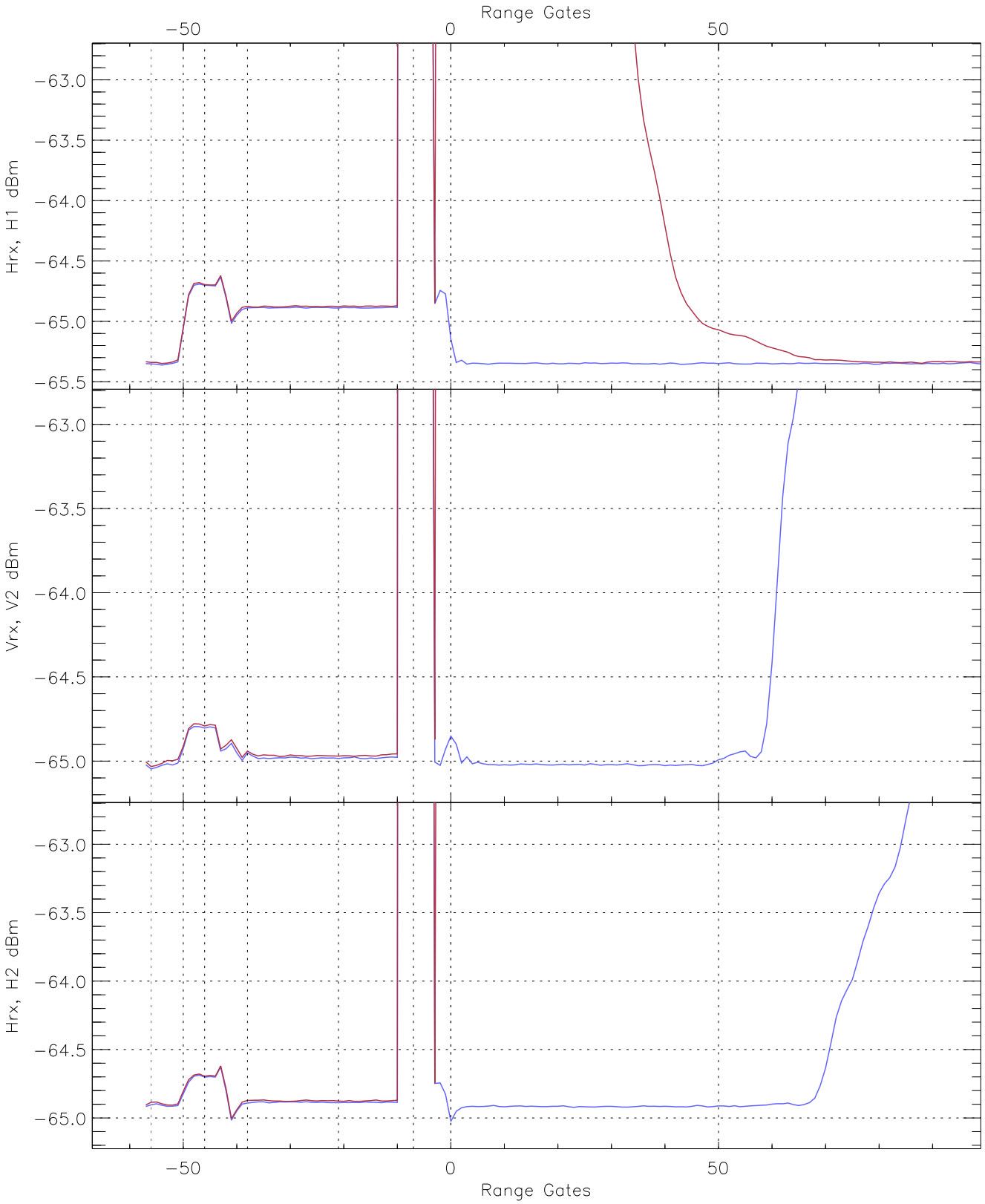


WCR3 CPP "Best" estimate Receivers Noise Power

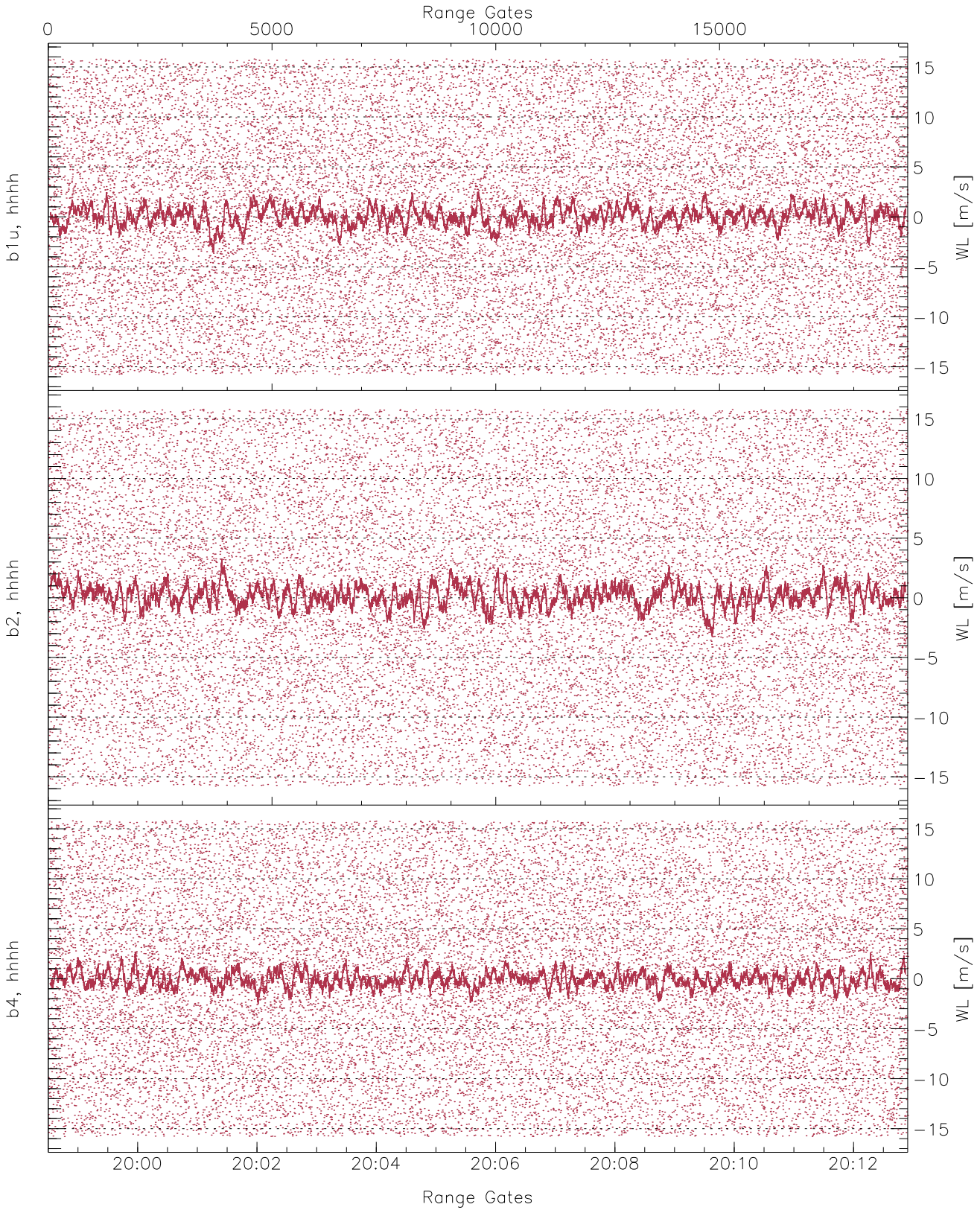
	Min	Max	Mean	Median	StDev
H1RG88_0 [dBm]	-66.60	-64.21	-65.35	-65.35	-76.82
V2RG403_0 [dBm]	-66.46	-63.98	-65.04	-65.05	-76.61
H2RG351_0 [dBm]	-66.22	-63.81	-64.91	-64.92	-76.41



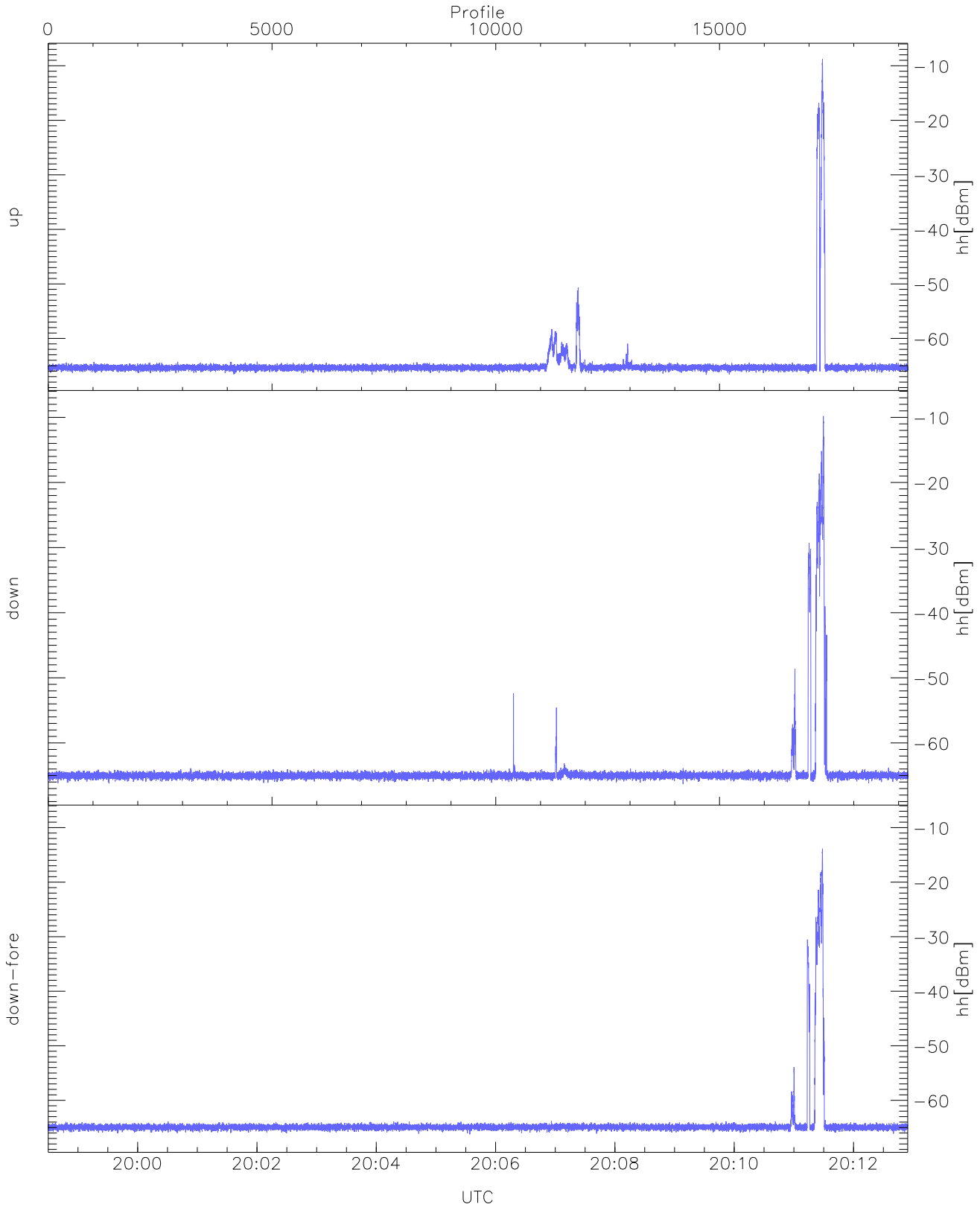
WCR3 CPP Averaged Received power for all recorded gates
blue: 195830-200542, 9604 profiles averaged
red: 200542-201255, 9603 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 195830-200542, 9604 profiles averaged
red: 200542-201255, 9603 profiles averaged

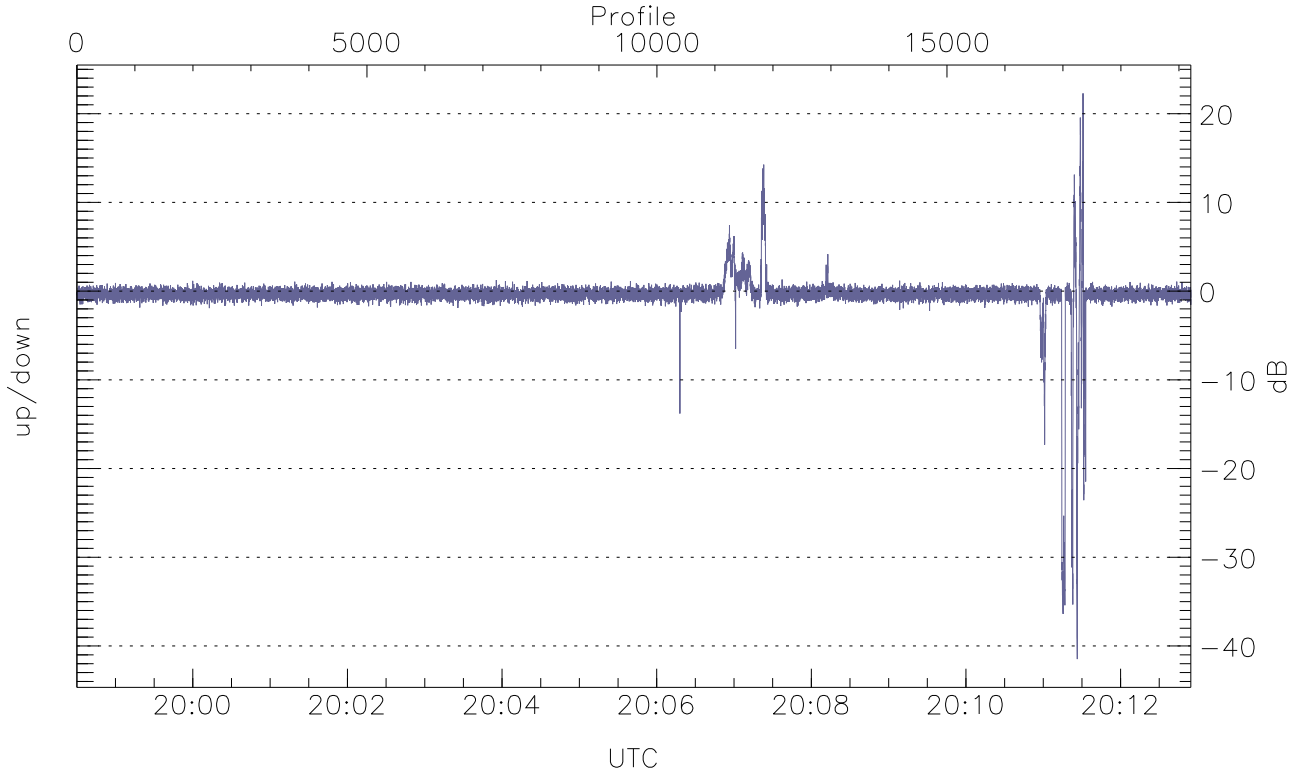


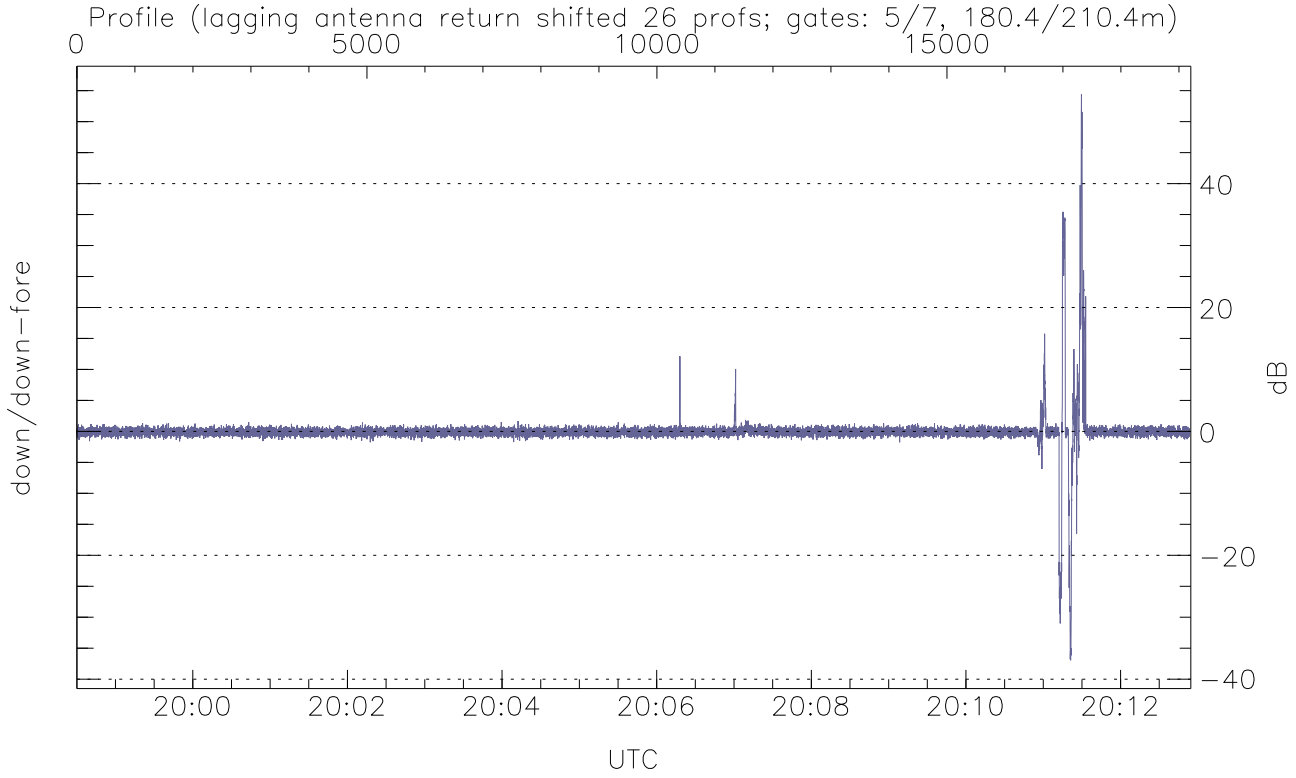
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

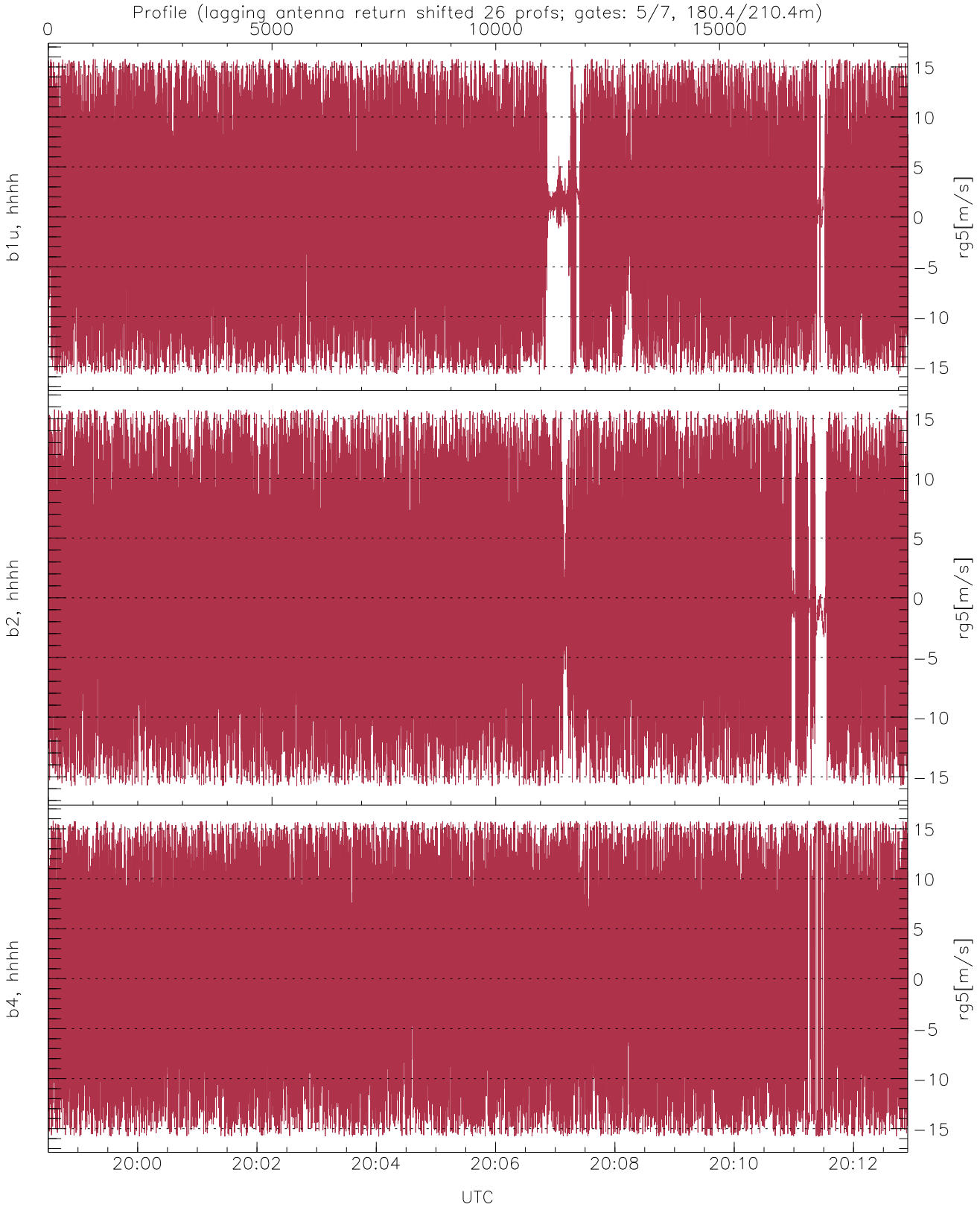
	Min	Max	Mean
up(hh[dBm])	-66.65	-8.77	-38.83
down(hh[dBm])	-66.30	-9.80	-39.74
down-fore(hh[dBm])	-66.25	-13.87	-43.74





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

	Min	Max	Mean
up/down(dB)	-41.48	22.30	-0.43
down/down-fore(dB)	-36.95	54.38	0.01



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	0.07	8.37
b2, hhhh(rg5[m/s])	-15.79	15.79	0.00	8.29
b4, hhhh(rg5[m/s])	-15.79	15.79	-0.13	8.91