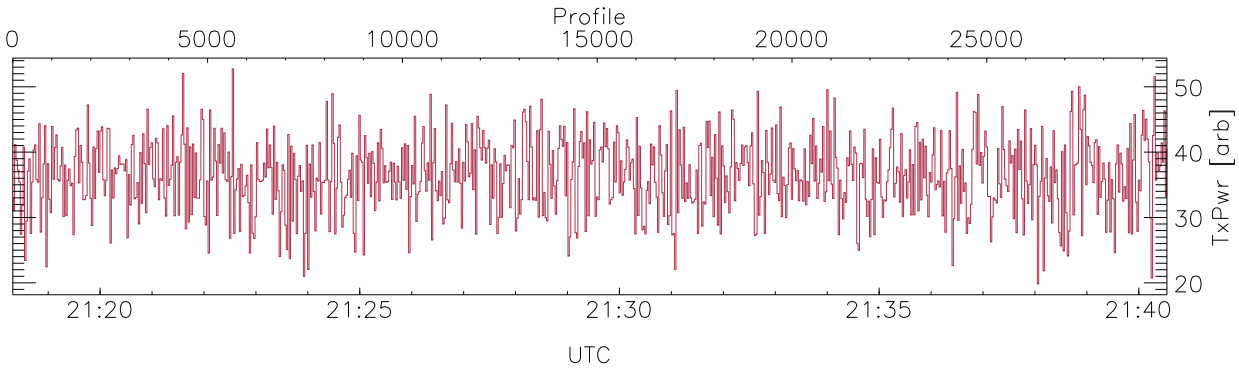
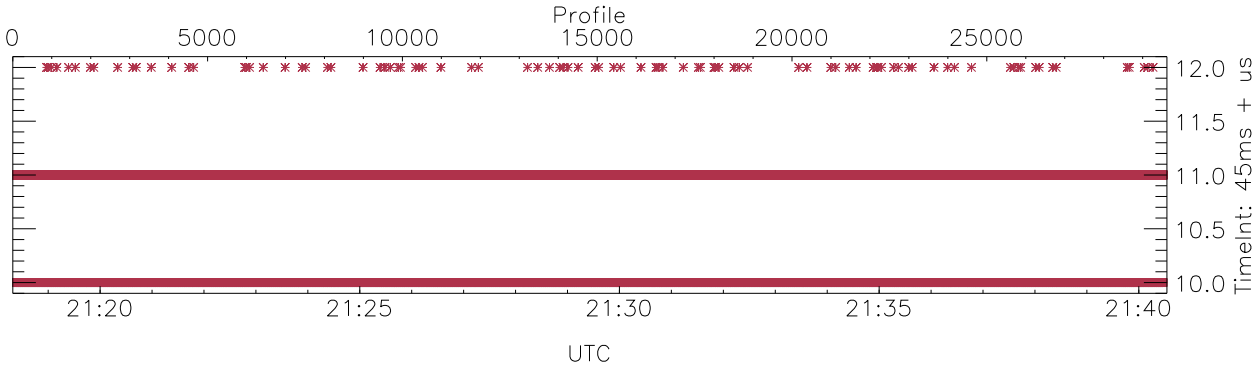
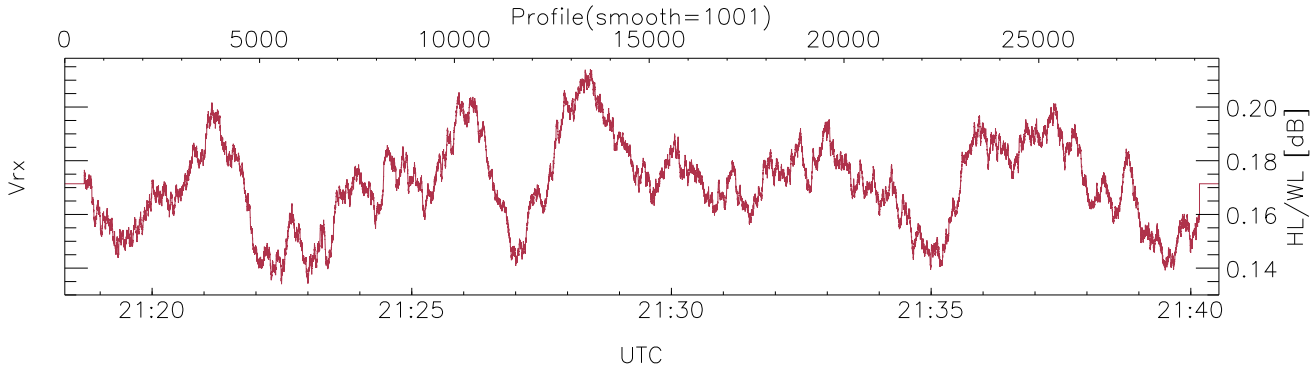
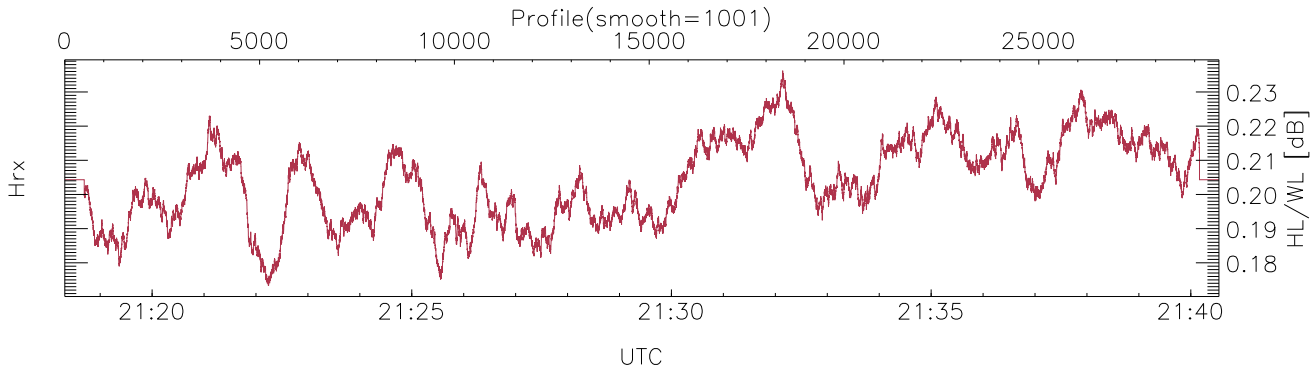


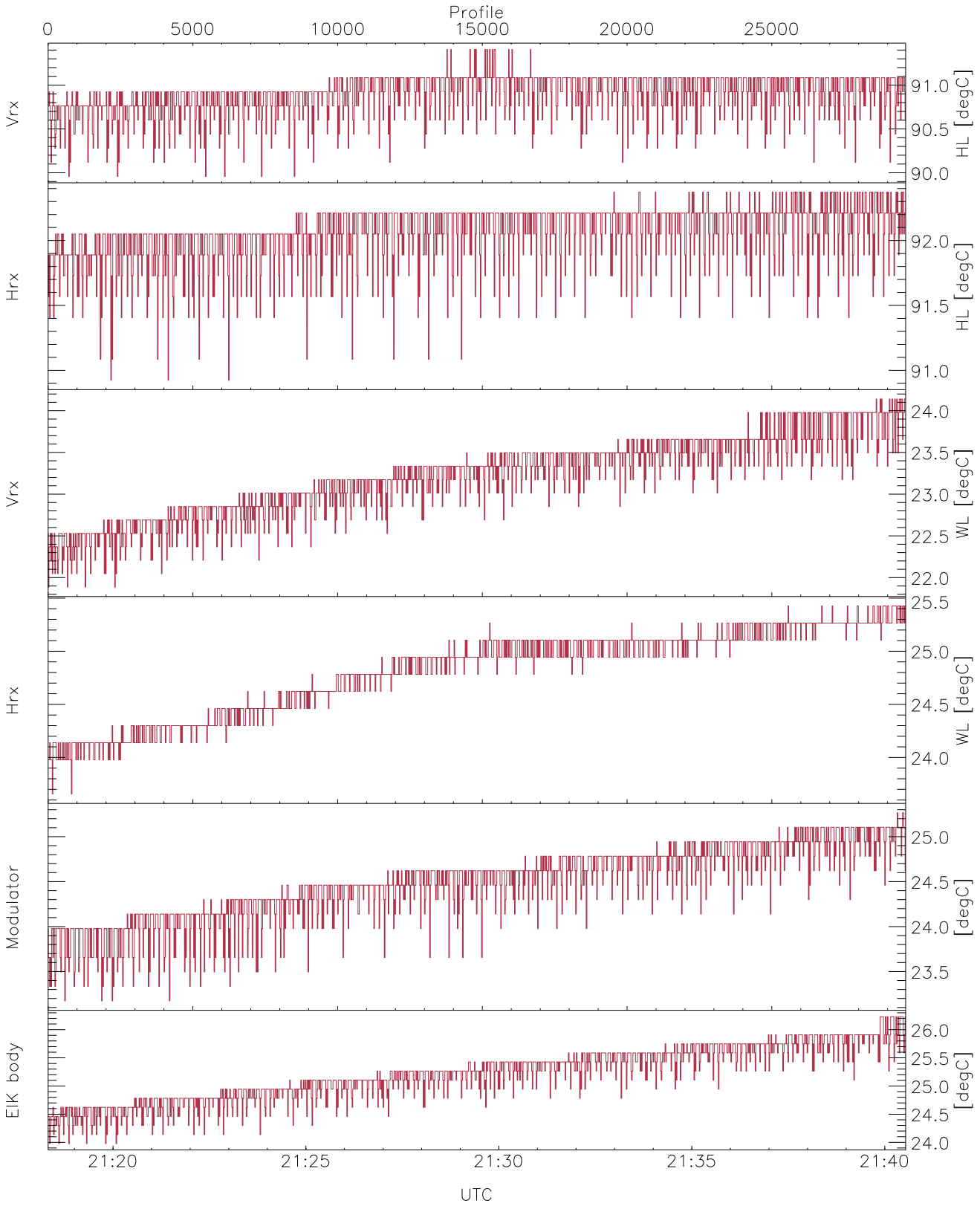






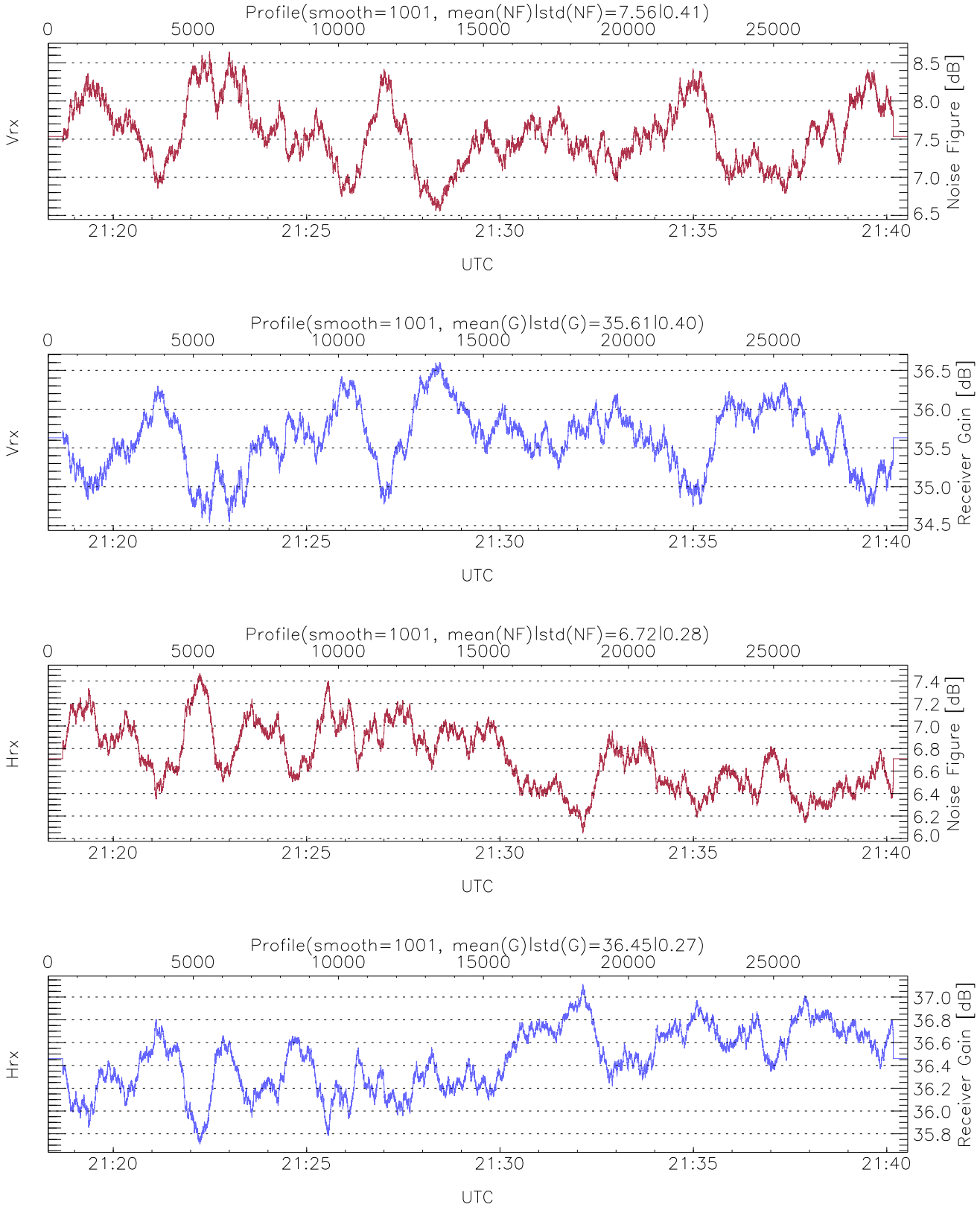
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 21:18:19-21:40:33, TimeCor: 0.00s, Dur: 1333.41s
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): 29625/29625, 0-29624/21:18:19-21:40:33
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



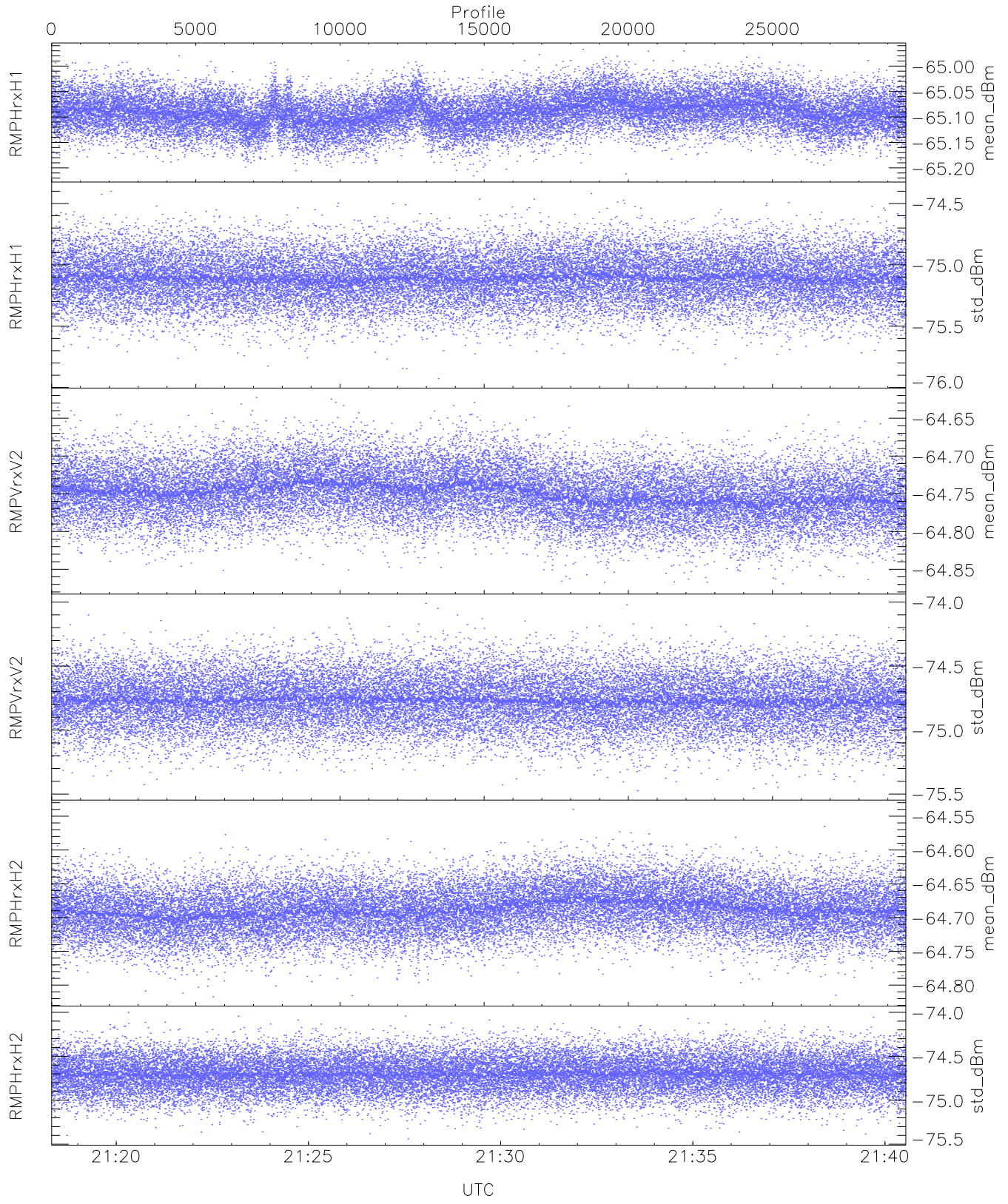
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 89,90,21,23,23,23
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,24,25,25,26
LOalarm(20,240,2817,14861 MHz): 0,0,94,0
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,Fault2,DeckF,OverDuty,HVPS,Fault1 (92,92,92,46,92,92,92,46)



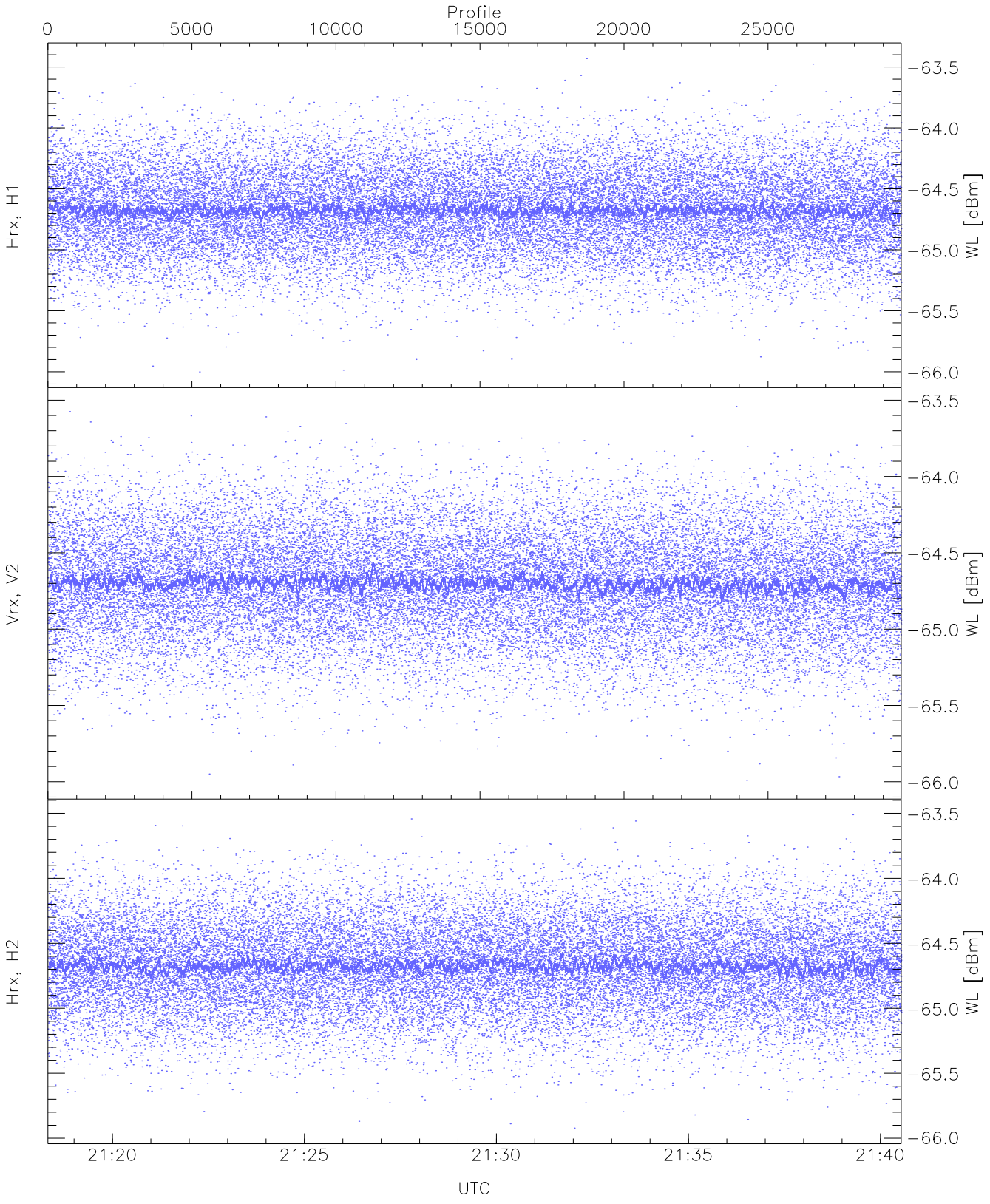
WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 6 pixs, 2 gates, 6 profs, 1 prod(s)



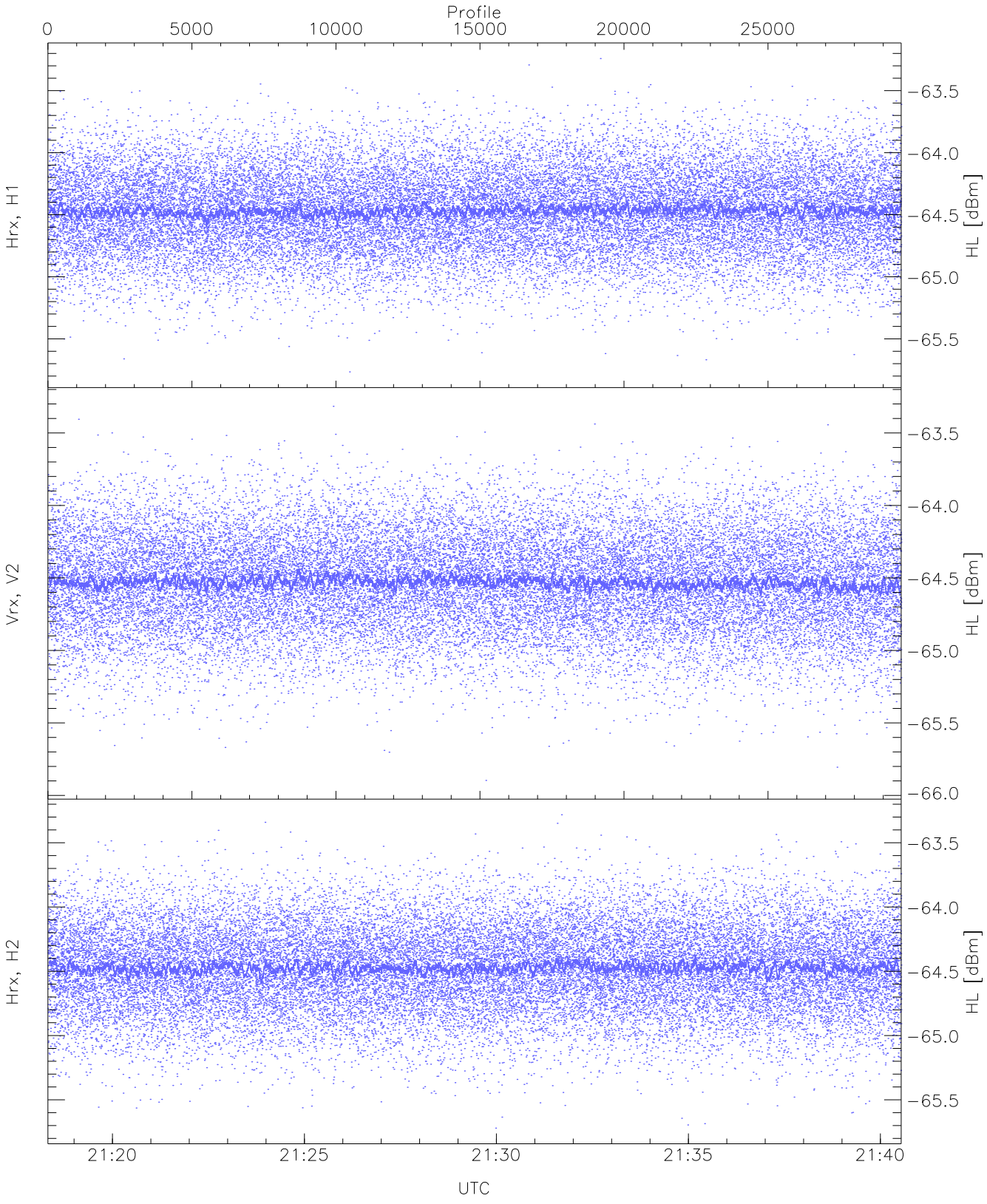
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.22	-64.97	-65.09	-65.09	-86.40
RMPHrxH1(std_dBm)	-75.93	-74.40	-75.11	-75.11	-88.91
RMPVrxV2(mean_dBm)	-64.87	-64.62	-64.75	-64.75	-86.13
RMPVrxV2(std_dBm)	-75.47	-74.01	-74.77	-74.77	-88.55
RMPHrxH2(mean_dBm)	-64.82	-64.54	-64.69	-64.69	-86.15
RMPHrxH2(std_dBm)	-75.44	-74.00	-74.70	-74.70	-88.50



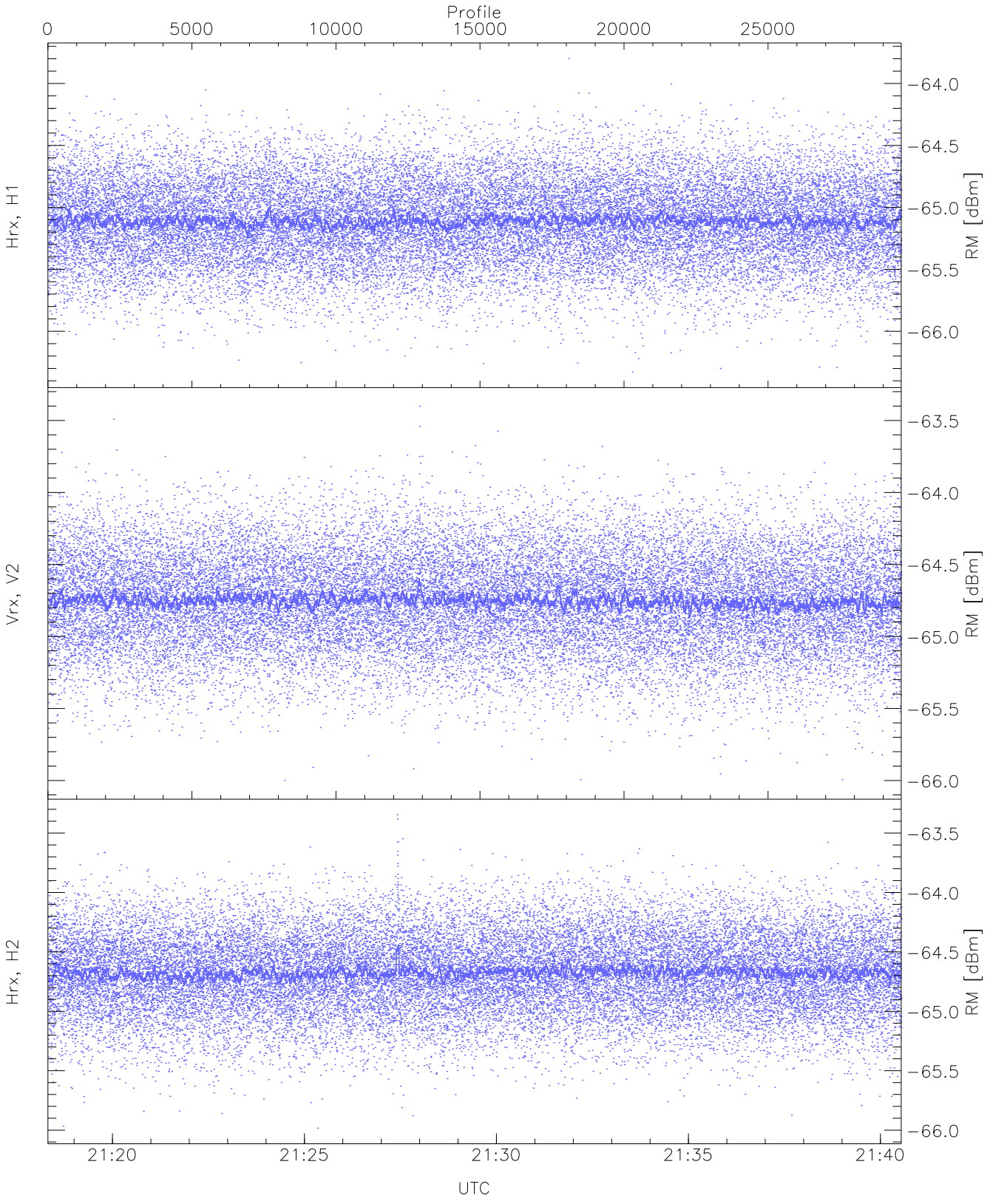
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.00	-63.43	-64.67	-64.68	-76.15
Vrx, V2(WL [dBm])	-65.99	-63.54	-64.69	-64.70	-76.19
Hrx, H2(WL [dBm])	-65.92	-63.51	-64.67	-64.68	-76.16



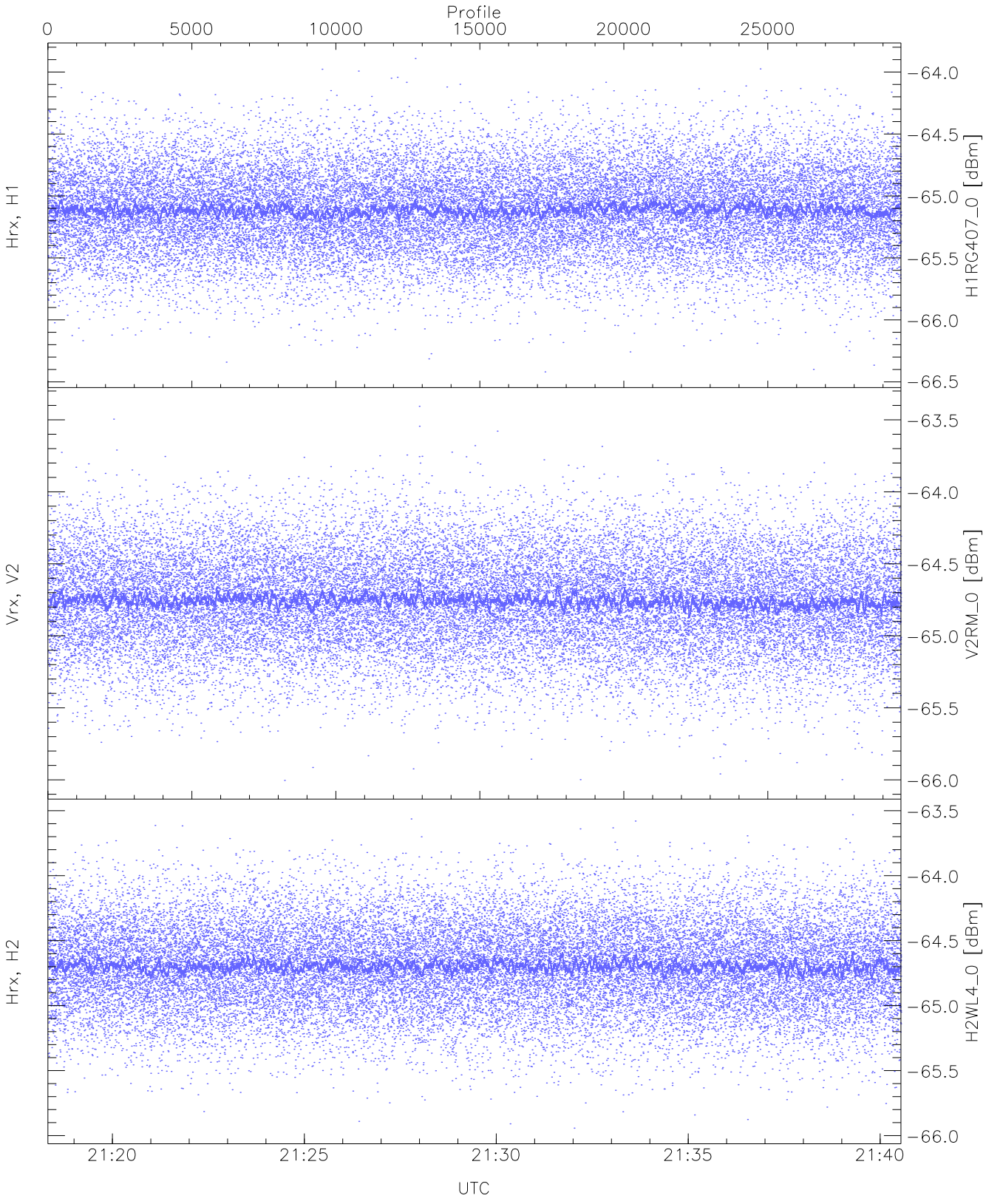
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-65.77	-63.24	-64.46	-64.47	-75.96
Vrx, V2(HL [dBm])	-65.90	-63.32	-64.52	-64.53	-76.02
Hrx, H2(HL [dBm])	-65.72	-63.28	-64.47	-64.47	-75.97



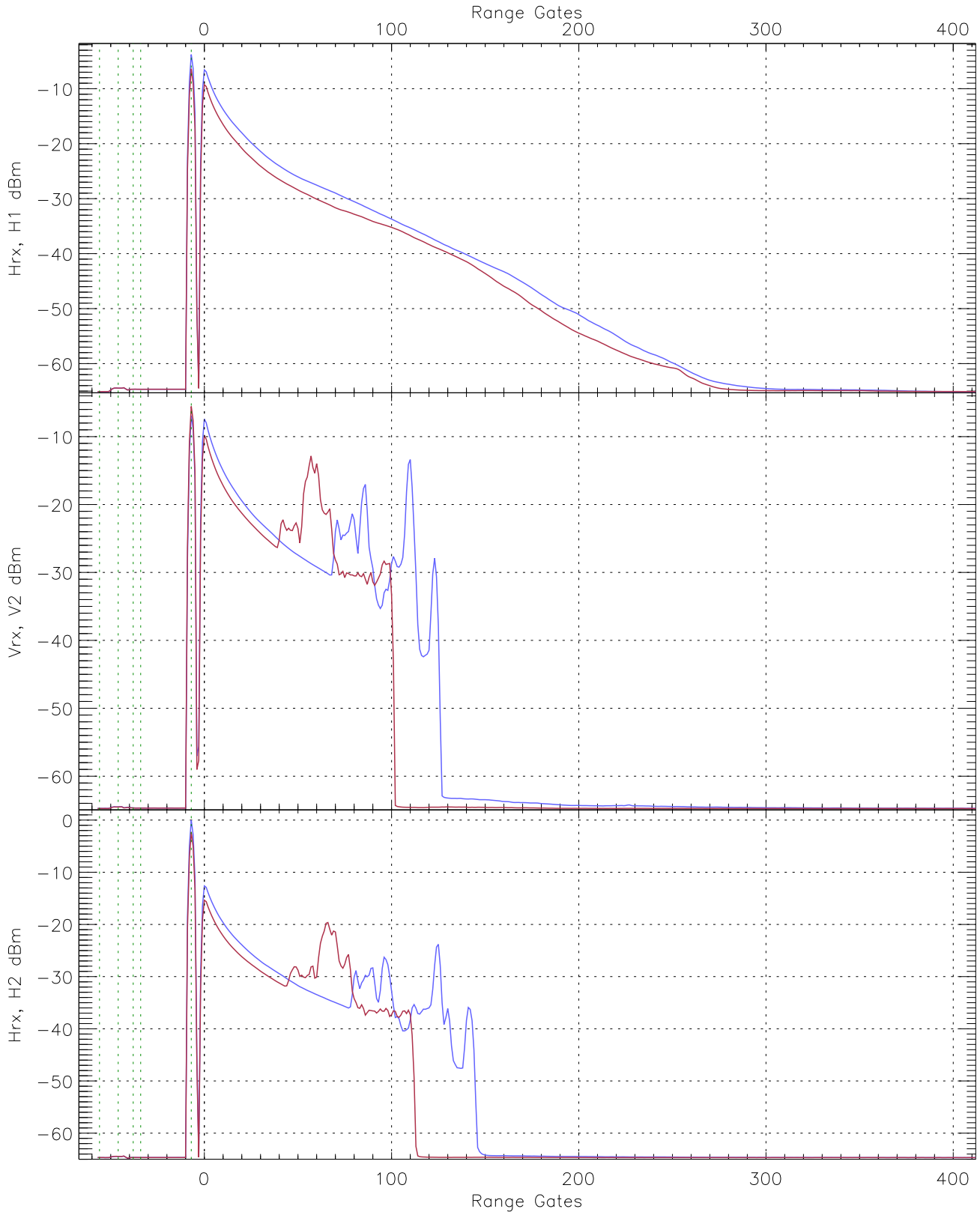
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.33	-63.80	-65.11	-65.11	-76.61
Vrx, V2(RM [dBm])	-66.00	-63.40	-64.74	-64.75	-76.26
Hrx, H2(RM [dBm])	-65.98	-63.35	-64.67	-64.68	-76.15

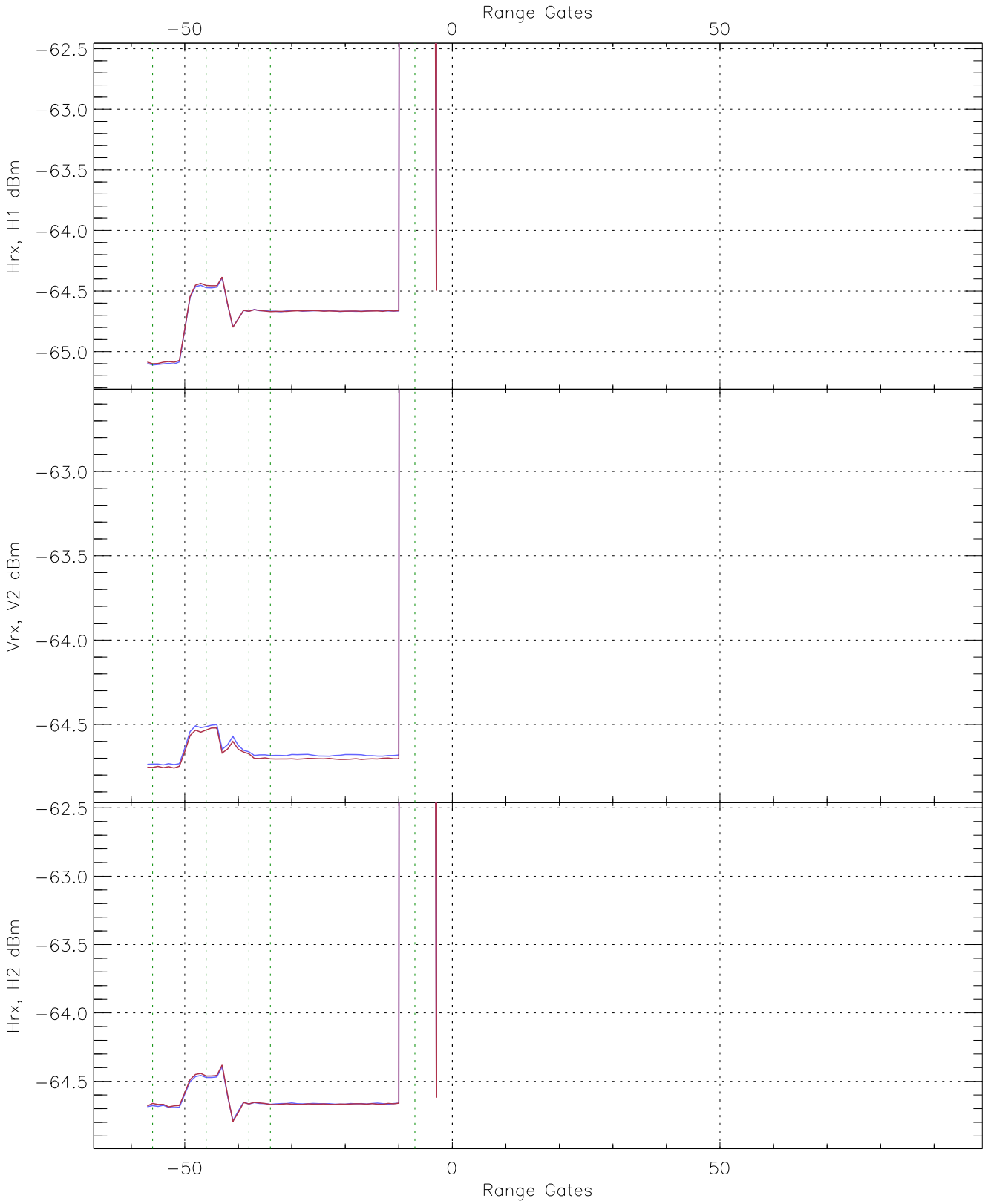


WCR3 CPP "Best" estimate Receivers Noise Power

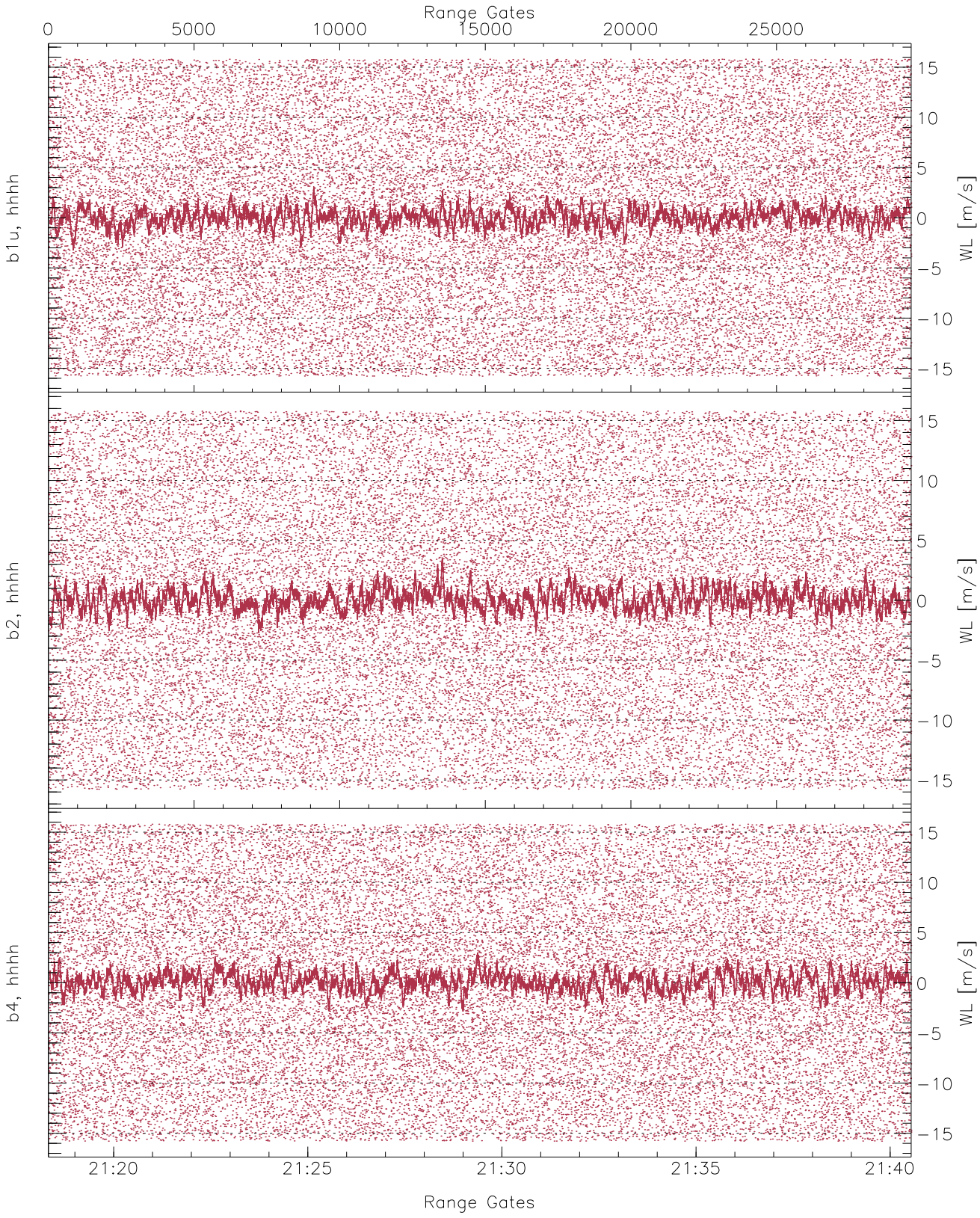
	Min	Max	Mean	Median	StDev
H1RG407_0 [dBm]	-66.42	-63.89	-65.11	-65.12	-76.56
V2RM_0 [dBm]	-66.00	-63.41	-64.75	-64.76	-76.26
H2WL4_0 [dBm]	-65.94	-63.53	-64.69	-64.70	-76.18



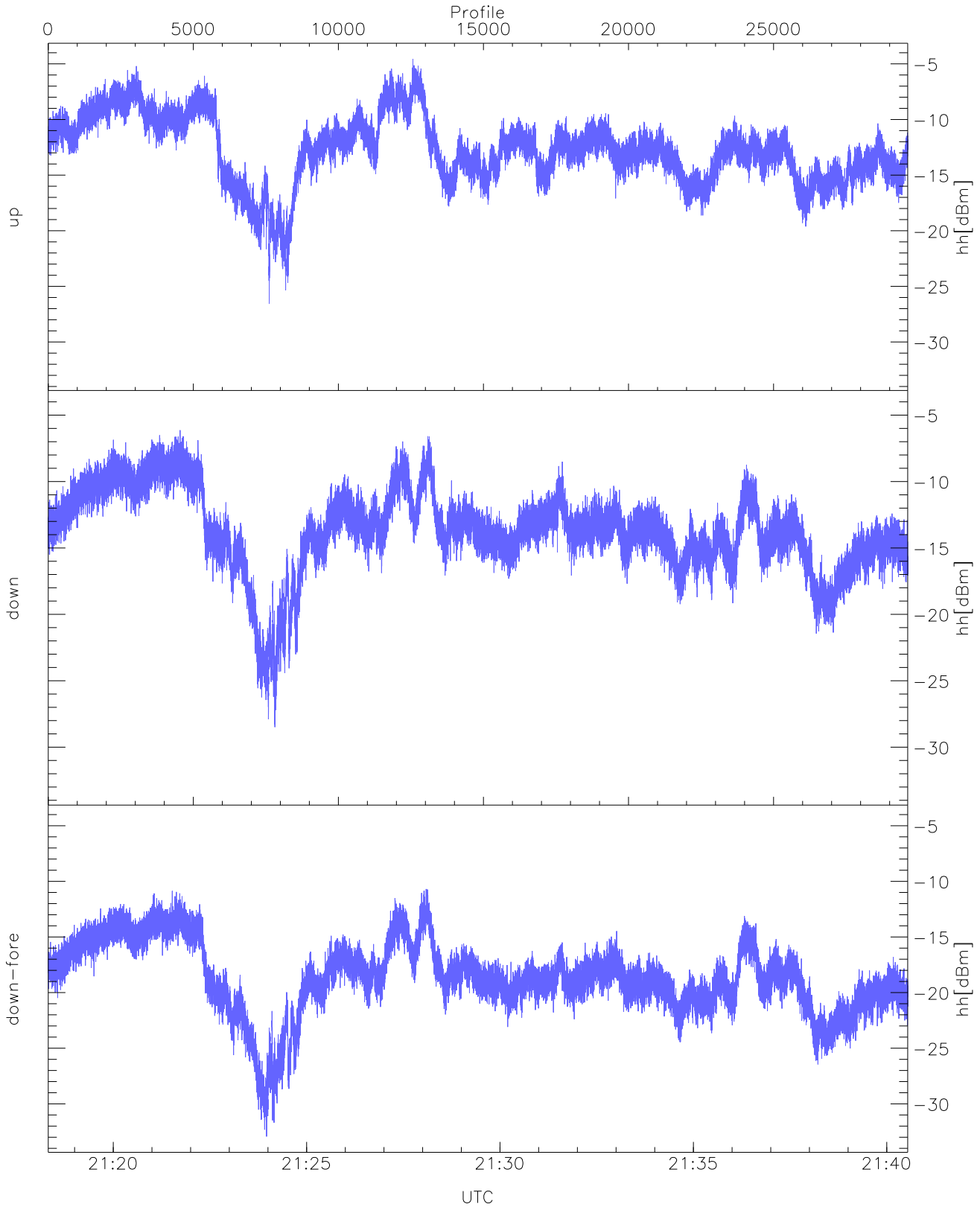
WCR3 CPP Averaged Received power for all recorded gates
blue: 211819-212926, 14813 profiles averaged
red: 212926-214033, 14813 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 211819-212926, 14813 profiles averaged
red: 212926-214033, 14813 profiles averaged

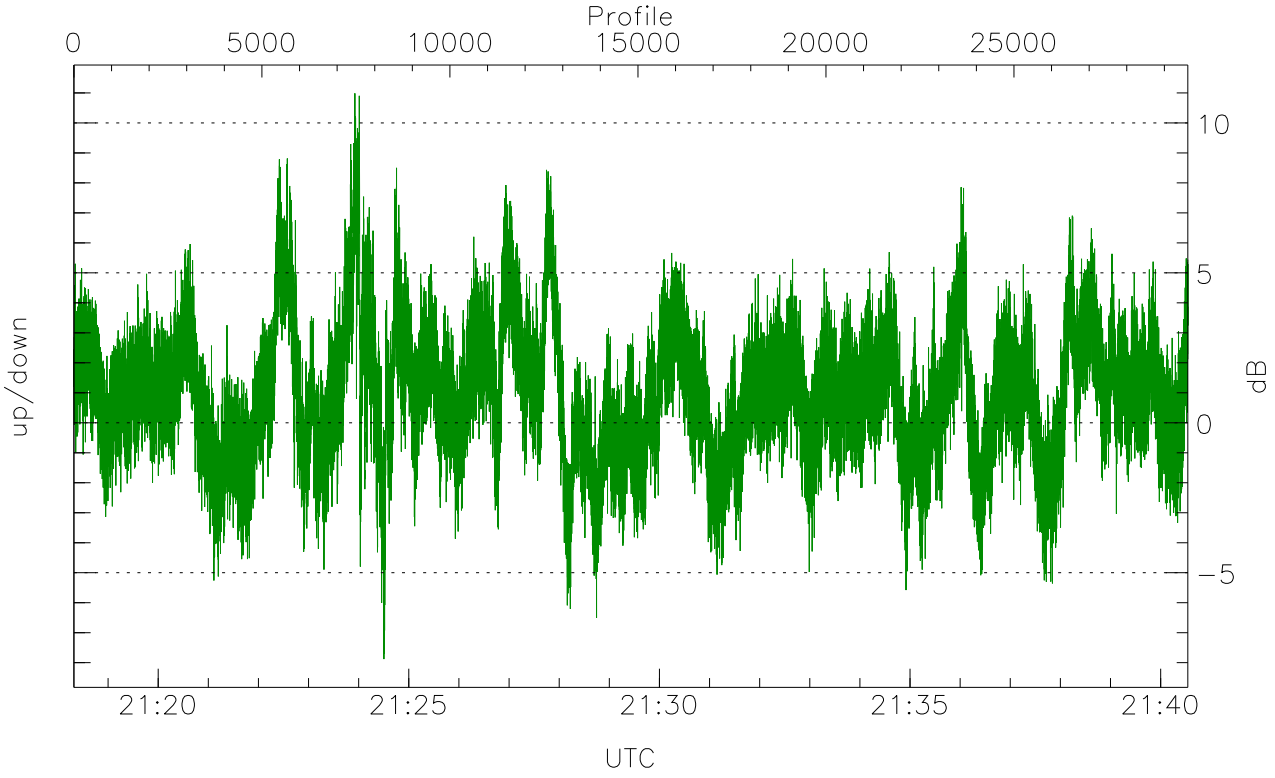


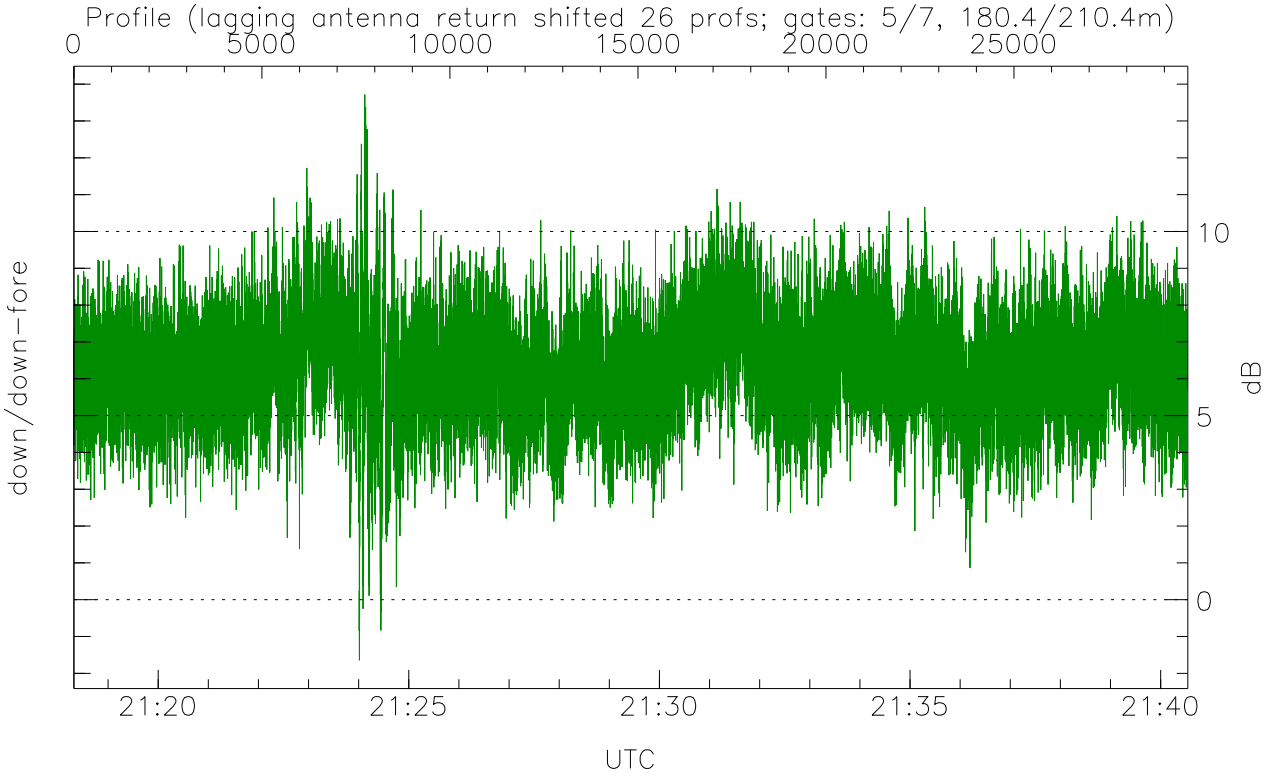
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

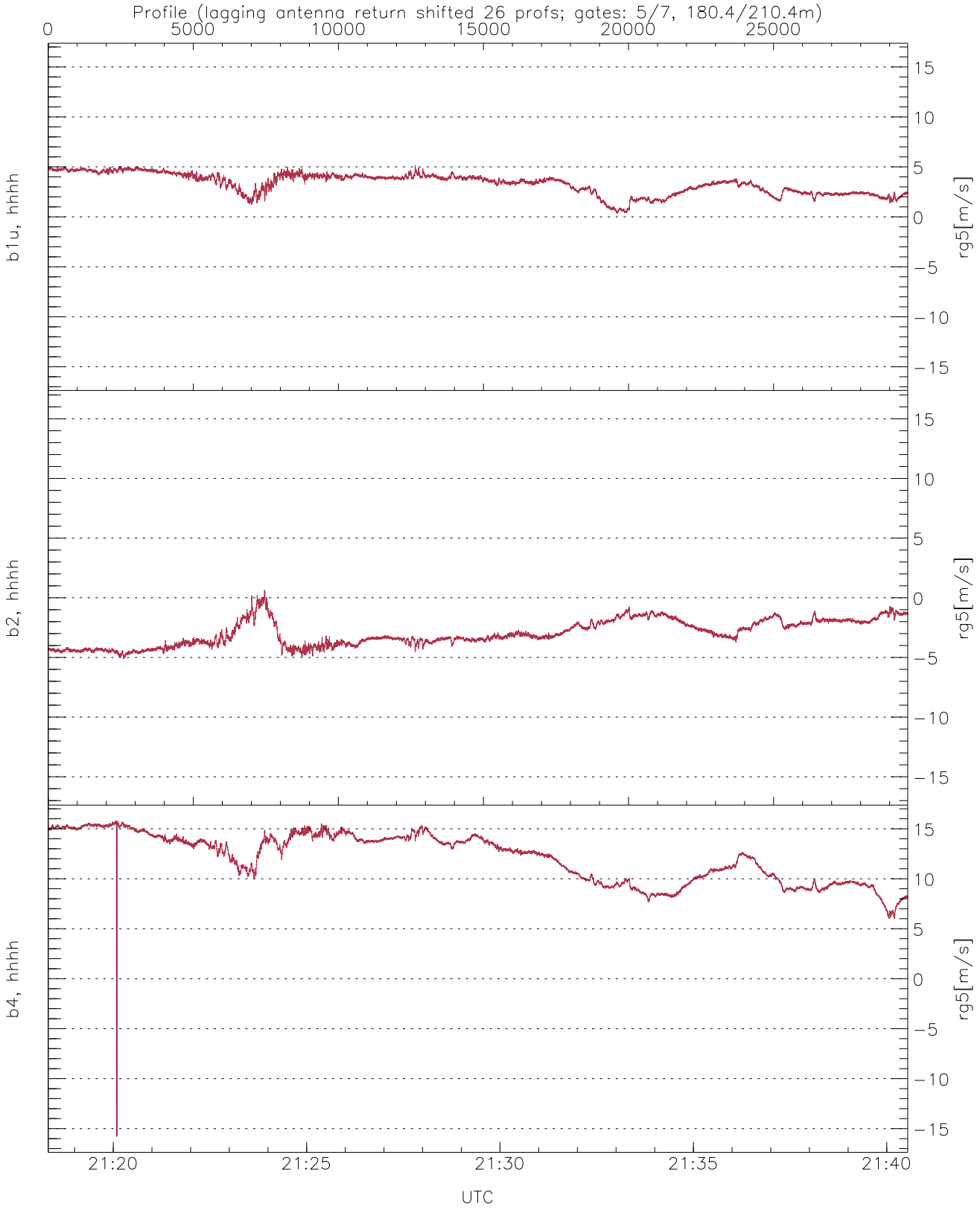
	Min	Max	Mean
up(hh[dBm])	-26.57	-4.56	-11.79
down(hh[dBm])	-28.49	-6.13	-12.75
down-fore(hh[dBm])	-32.94	-10.69	-17.60





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

	Min	Max	Mean
up/down(dB)	-7.88	10.99	0.97
down/down-fore(dB)	-1.65	13.72	6.31



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	0.35	5.17	3.32	1.03
b2, hhhh(rg5[m/s])	-5.12	0.64	-2.98	1.08
b4, hhhh(rg5[m/s])	-15.79	15.79	12.13	2.42