

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

UTC: 22:27:09-22:50:58, TimeCor: 0.00s, Dur: 528.43s

TimeFlg: 41, Using Host/Server time !

TimeInt/PPS(min,max,mn,std): 29.8,60.2,45.0,0.5 ms / 33.5,16.6,22.2

NumRec(r/t): 11741/31741, 20000-31740/22:42:10-22:50:58

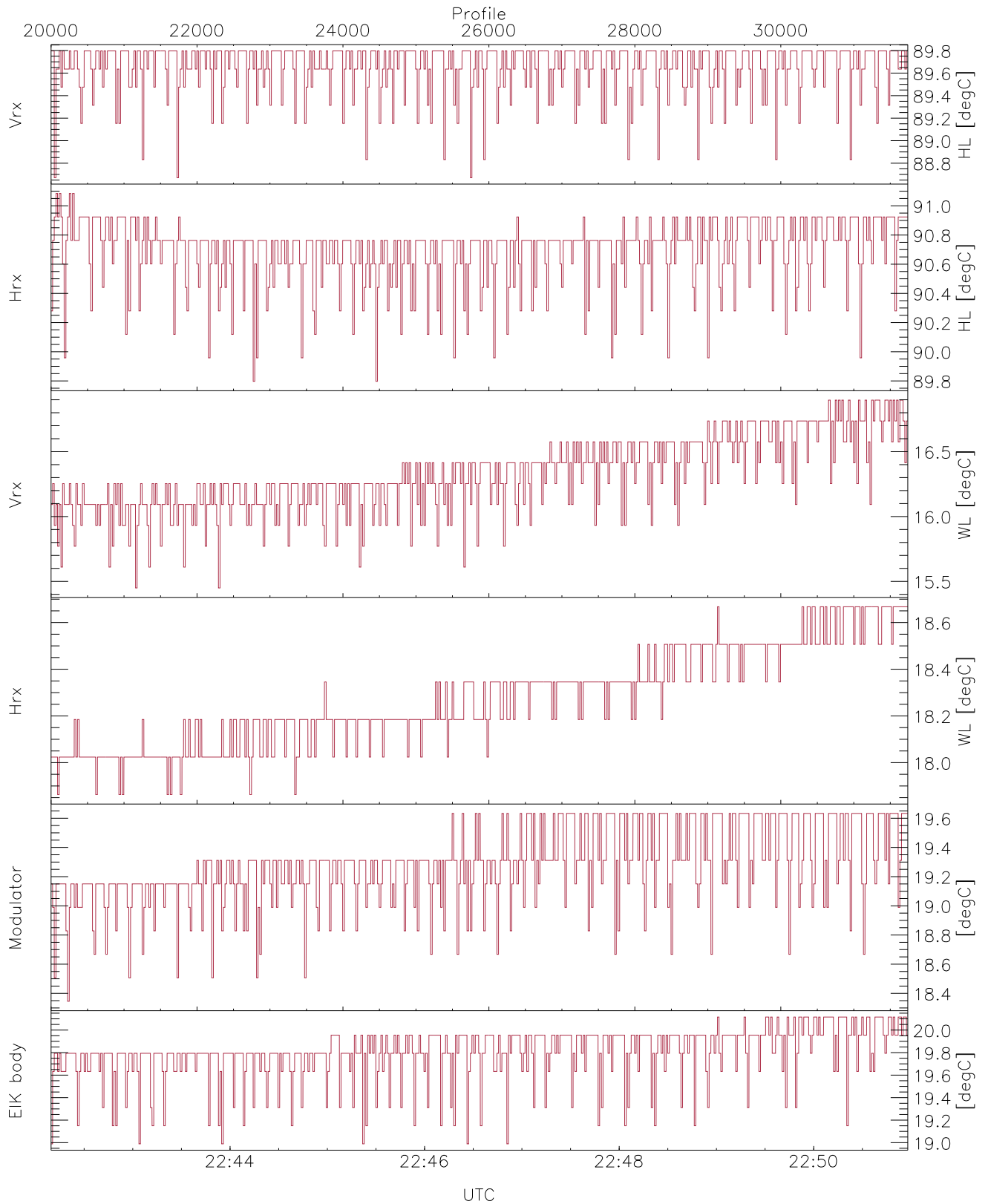
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100

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

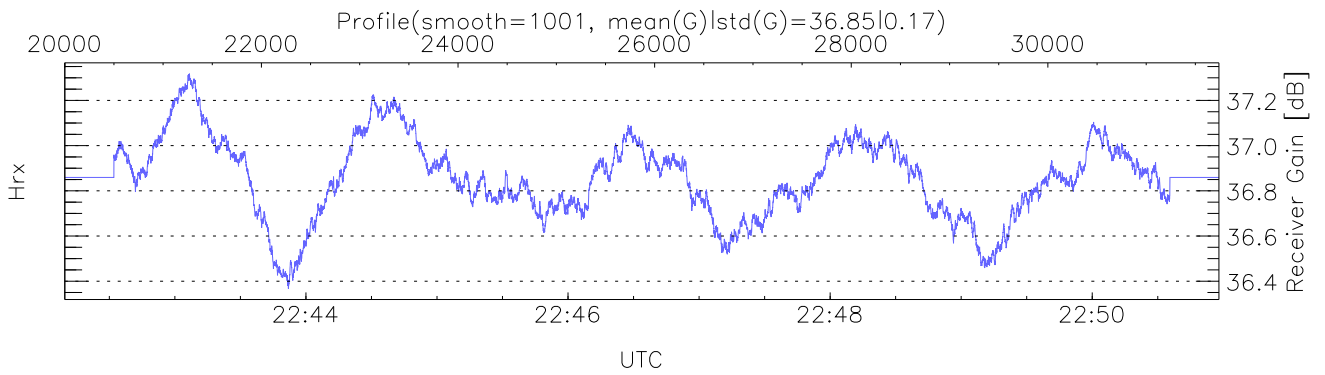
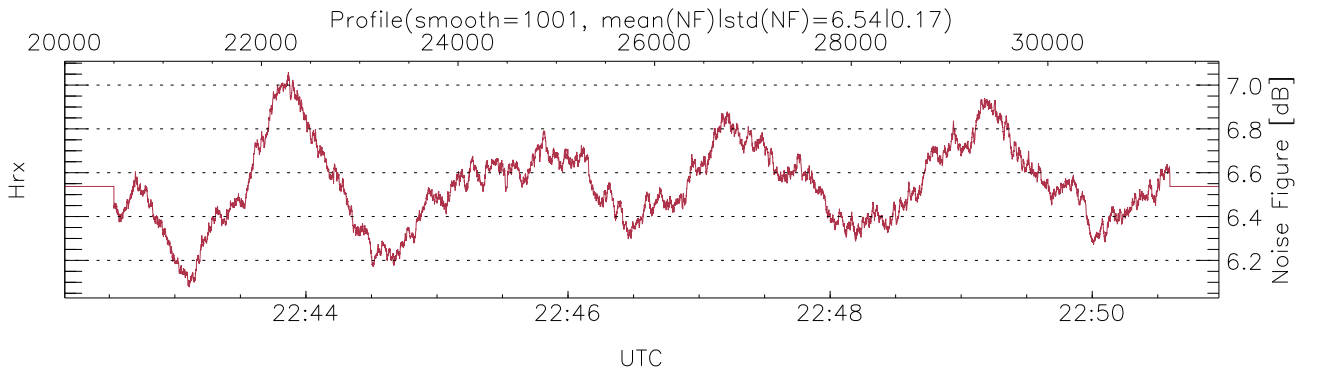
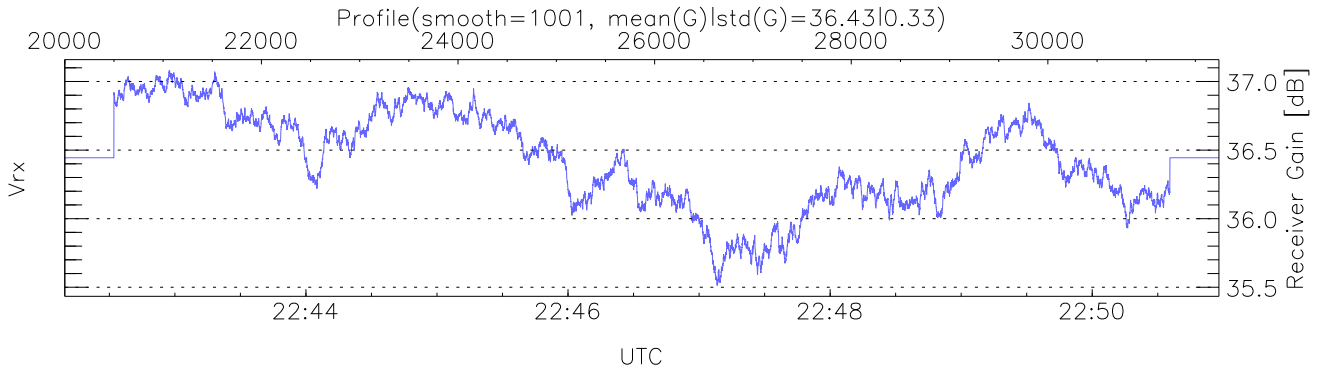
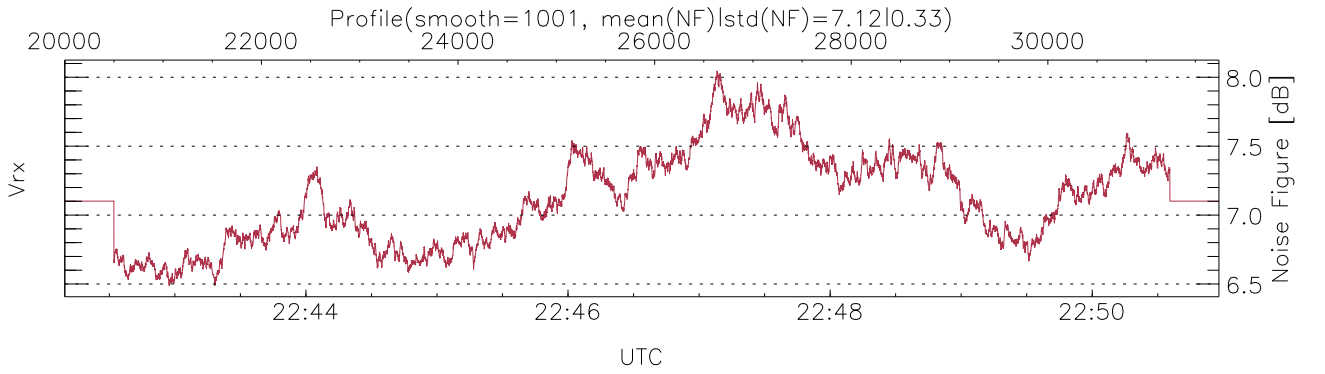
Range(min,max,rgs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7

Mirror(-91011|2,3,9x = no mirror|sidelup|error): 1



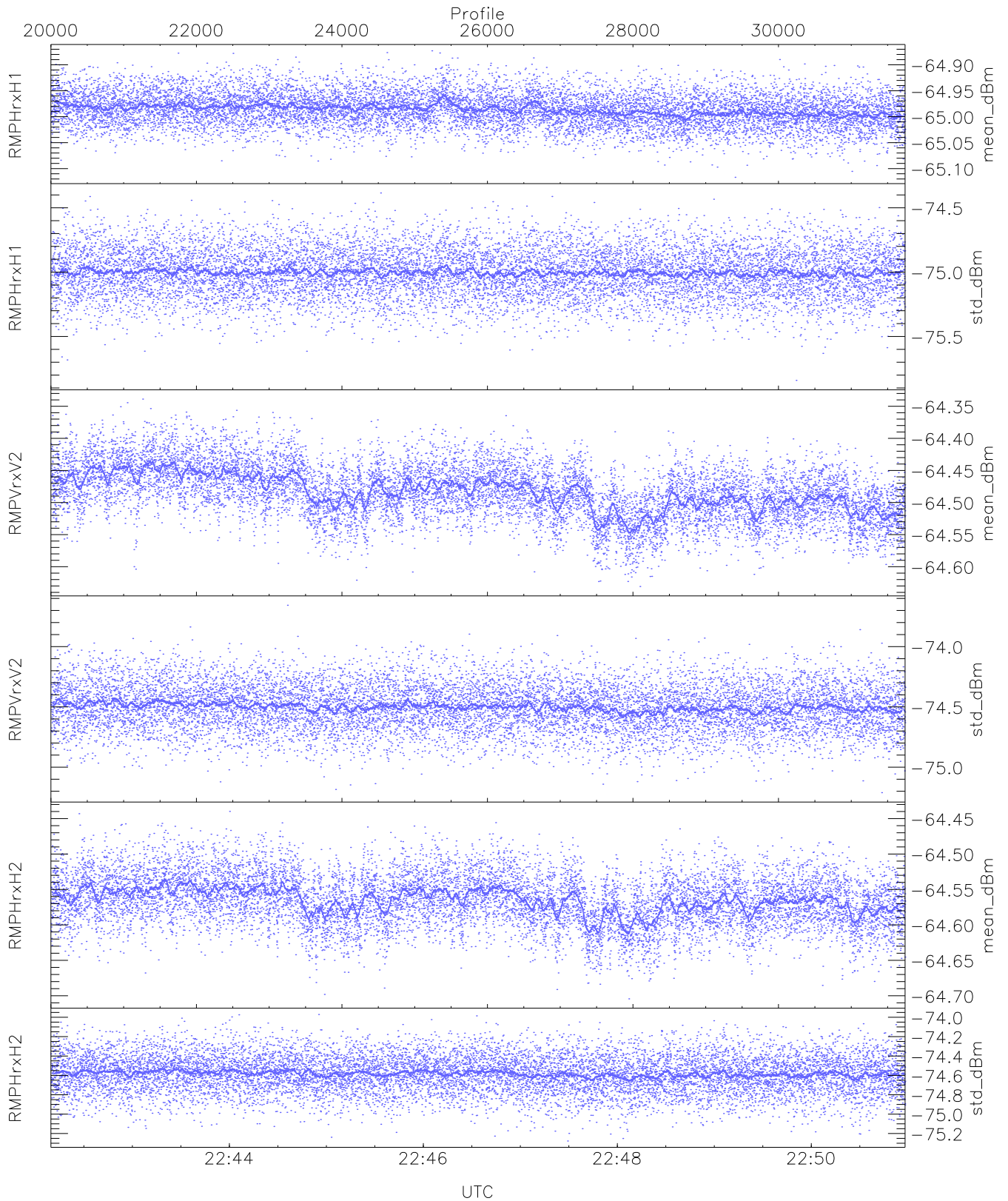
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 88,89,15,17,18,18`
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 89,91,16,18,19,20`
`LOalarm(20,240,2817,14861 MHz): 0,0,24,0`
`EIK Faults(# prof affected):`
`DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (22,22,22,22,22,22)`



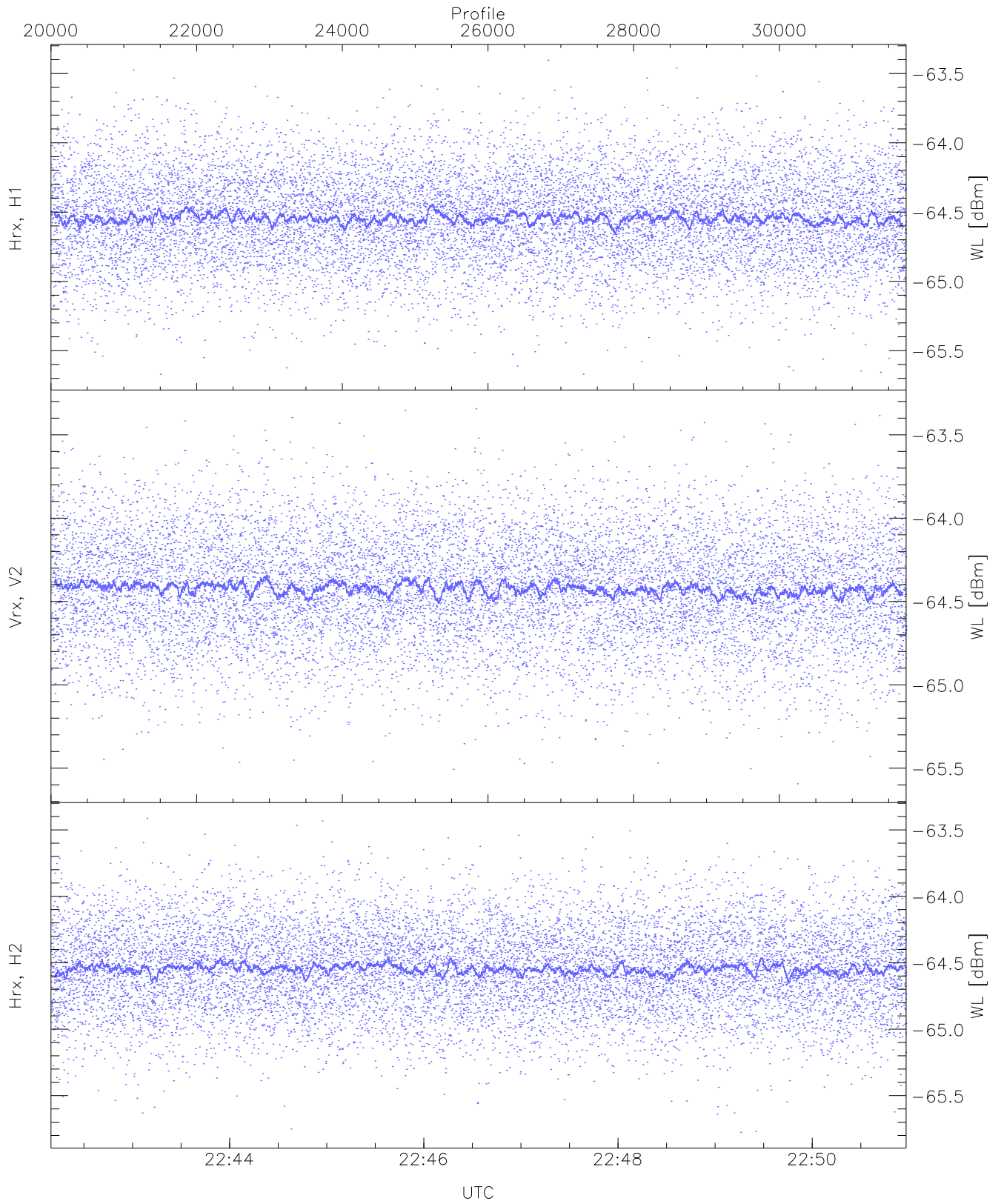
WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 10 pixs, 4 gates, 9 profs, 1 prod(s)



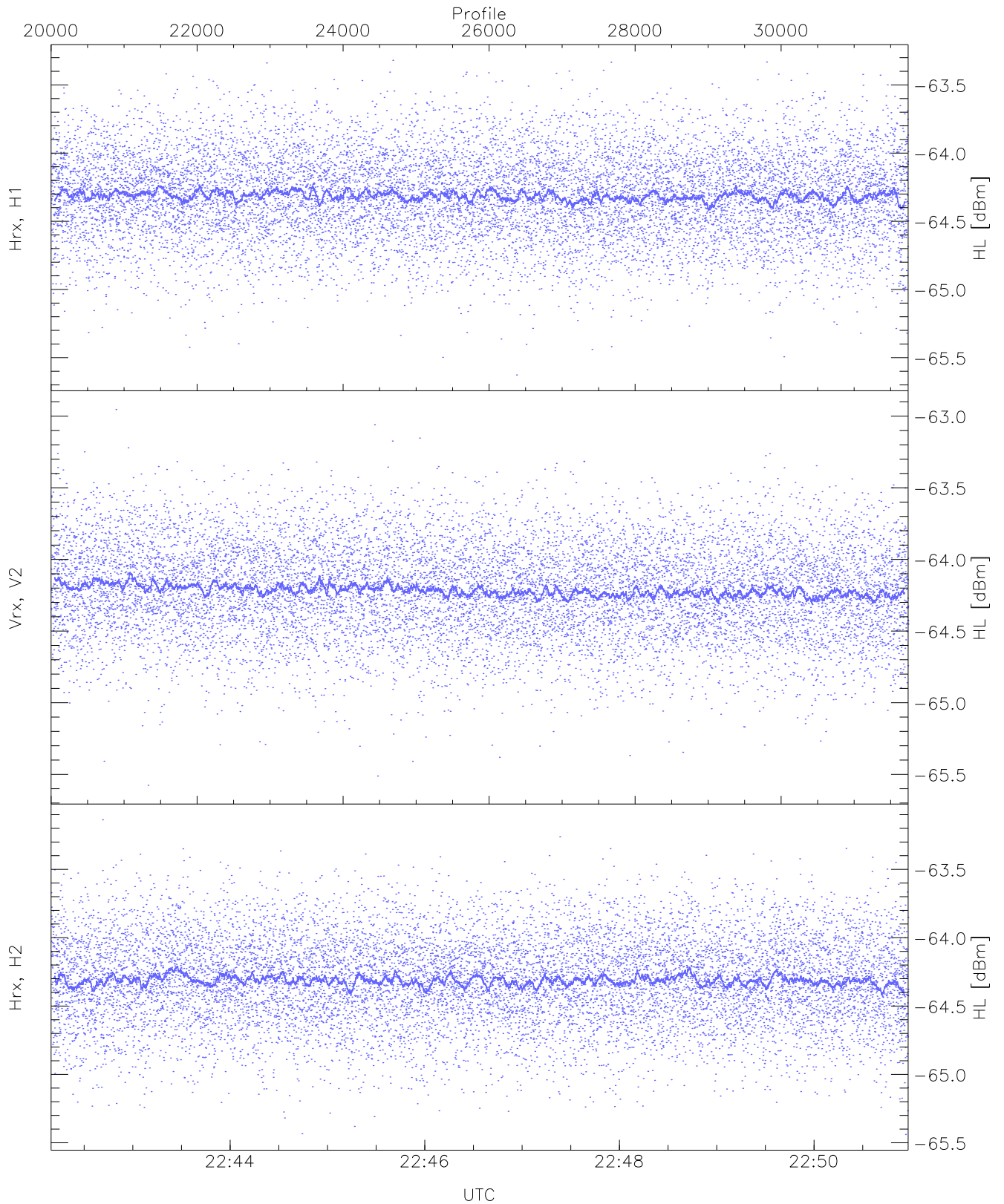
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.12	-64.87	-64.99	-64.99	-86.44
RMPHrxH1(std_dBm)	-75.84	-74.39	-75.00	-75.00	-88.82
RMPVrxV2(mean_dBm)	-64.63	-64.34	-64.48	-64.48	-84.70
RMPVrxV2(std_dBm)	-75.21	-73.66	-74.50	-74.50	-88.26
RMPHrxH2(mean_dBm)	-64.70	-64.44	-64.57	-64.57	-85.50
RMPHrxH2(std_dBm)	-75.28	-73.97	-74.58	-74.58	-88.31



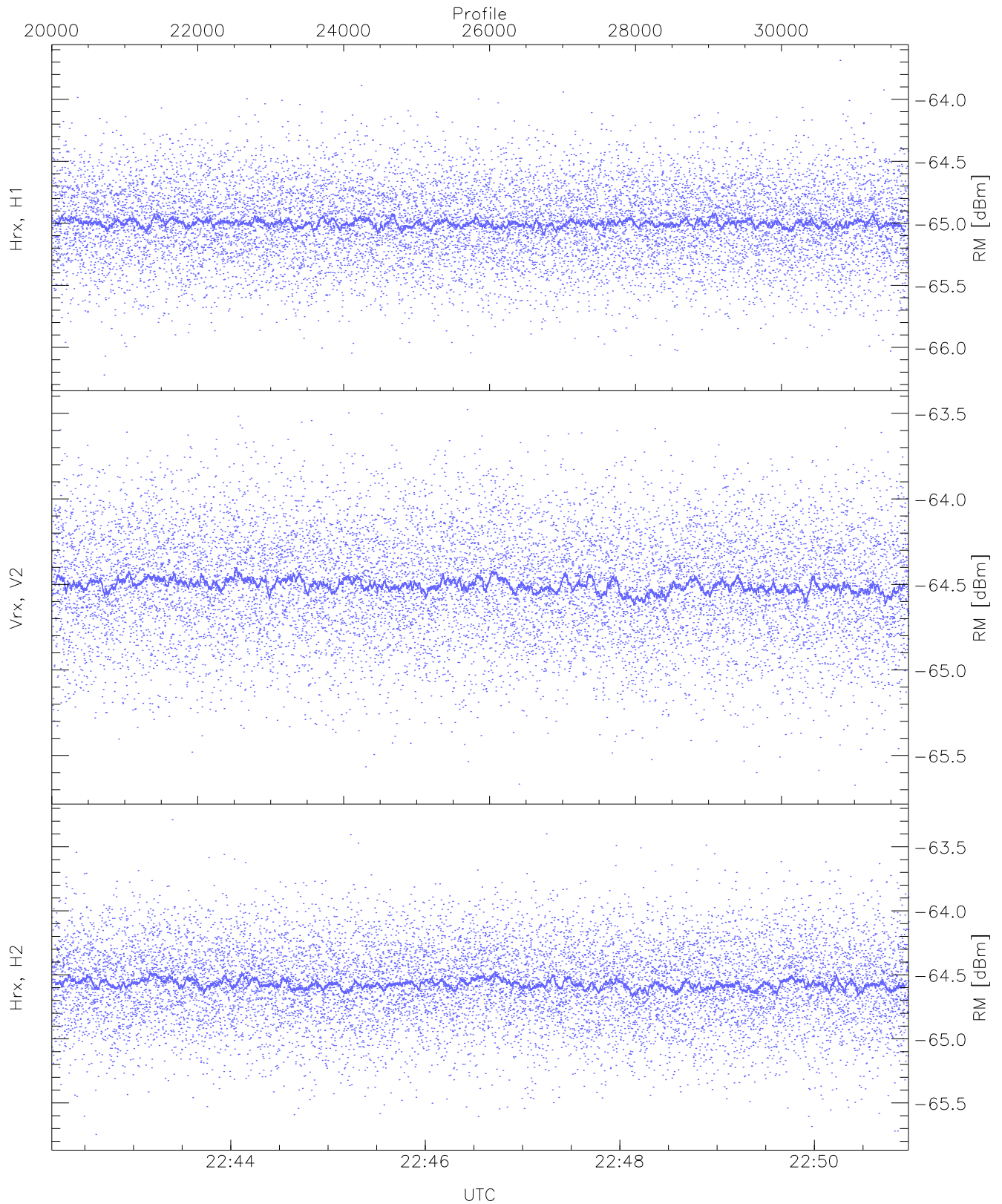
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (WL [dBm])	-65.67	-63.40	-64.54	-64.54	-76.00
Vrx, V2 (WL [dBm])	-65.59	-63.34	-64.42	-64.42	-75.99
Hrx, H2 (WL [dBm])	-65.78	-63.41	-64.54	-64.55	-76.07



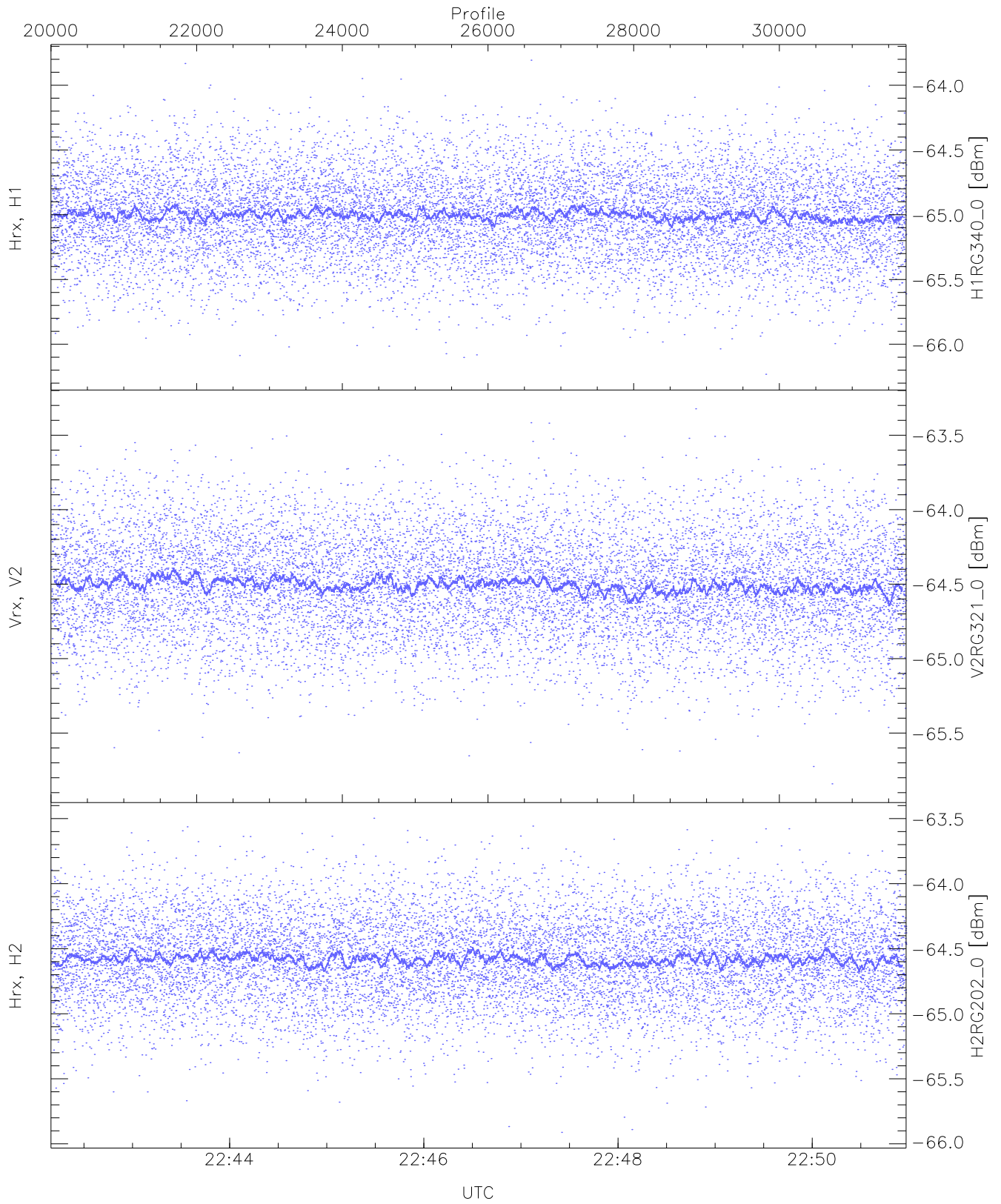
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (HL [dBm])	-65.63	-63.32	-64.30	-64.31	-75.87
Vrx, V2 (HL [dBm])	-65.58	-62.95	-64.21	-64.22	-75.67
Hrx, H2 (HL [dBm])	-65.44	-63.14	-64.31	-64.31	-75.81



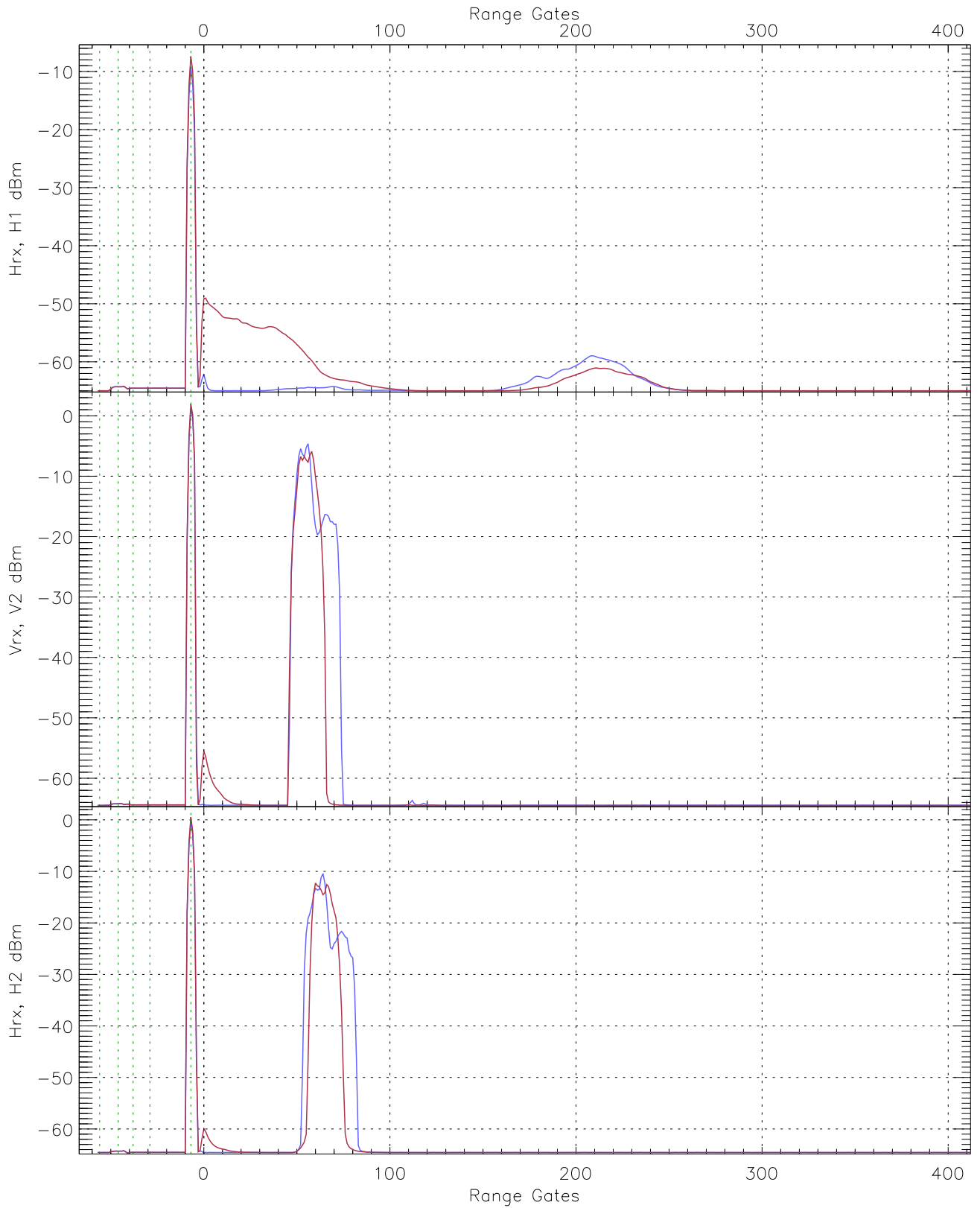
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (RM [dBm])	-66.22	-63.69	-64.99	-65.00	-76.51
Vrx, V2 (RM [dBm])	-65.67	-63.48	-64.50	-64.51	-76.00
Hrx, H2 (RM [dBm])	-65.75	-63.29	-64.56	-64.57	-76.08

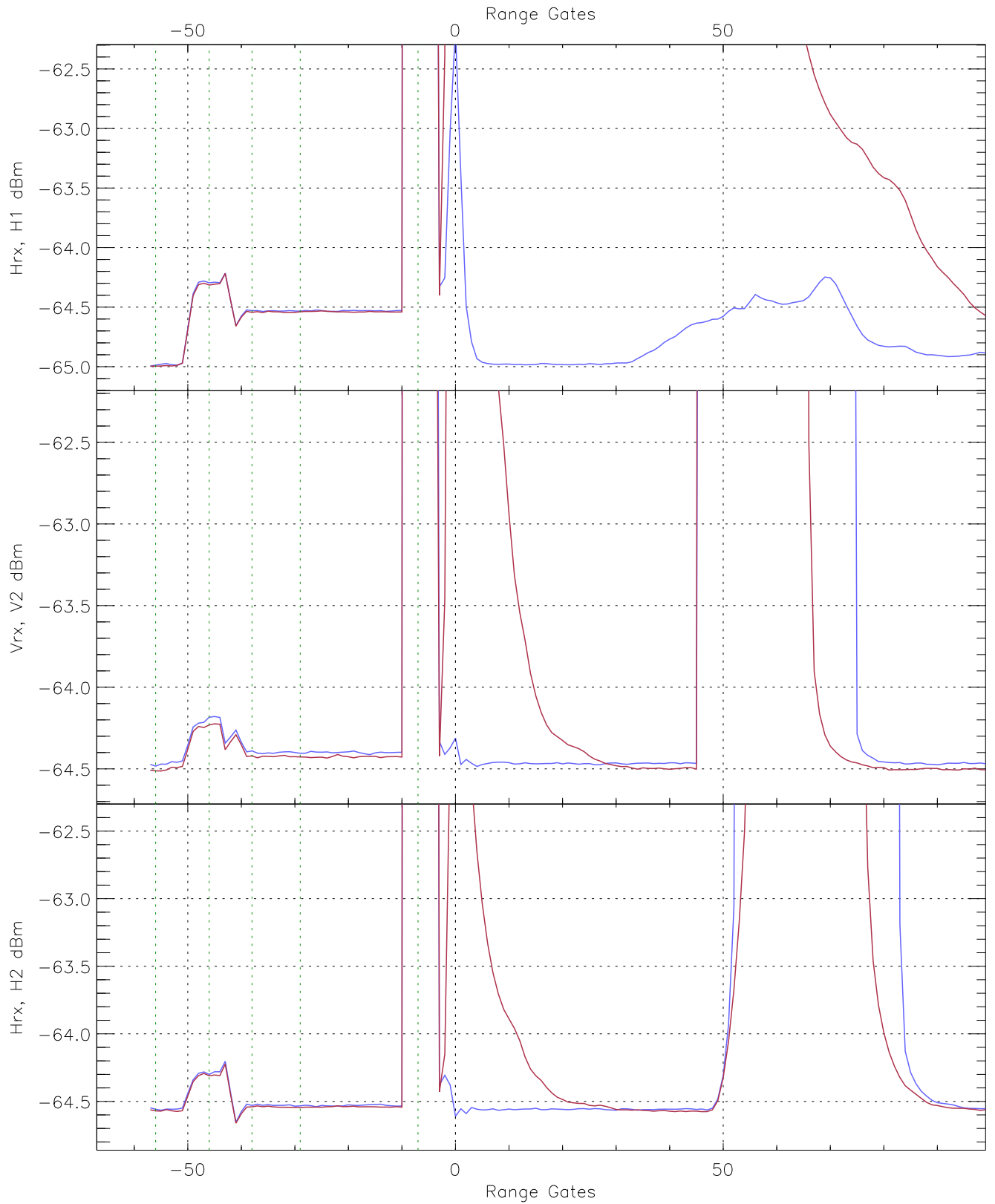


WCR3 CPP "Best" estimate Receivers Noise Power

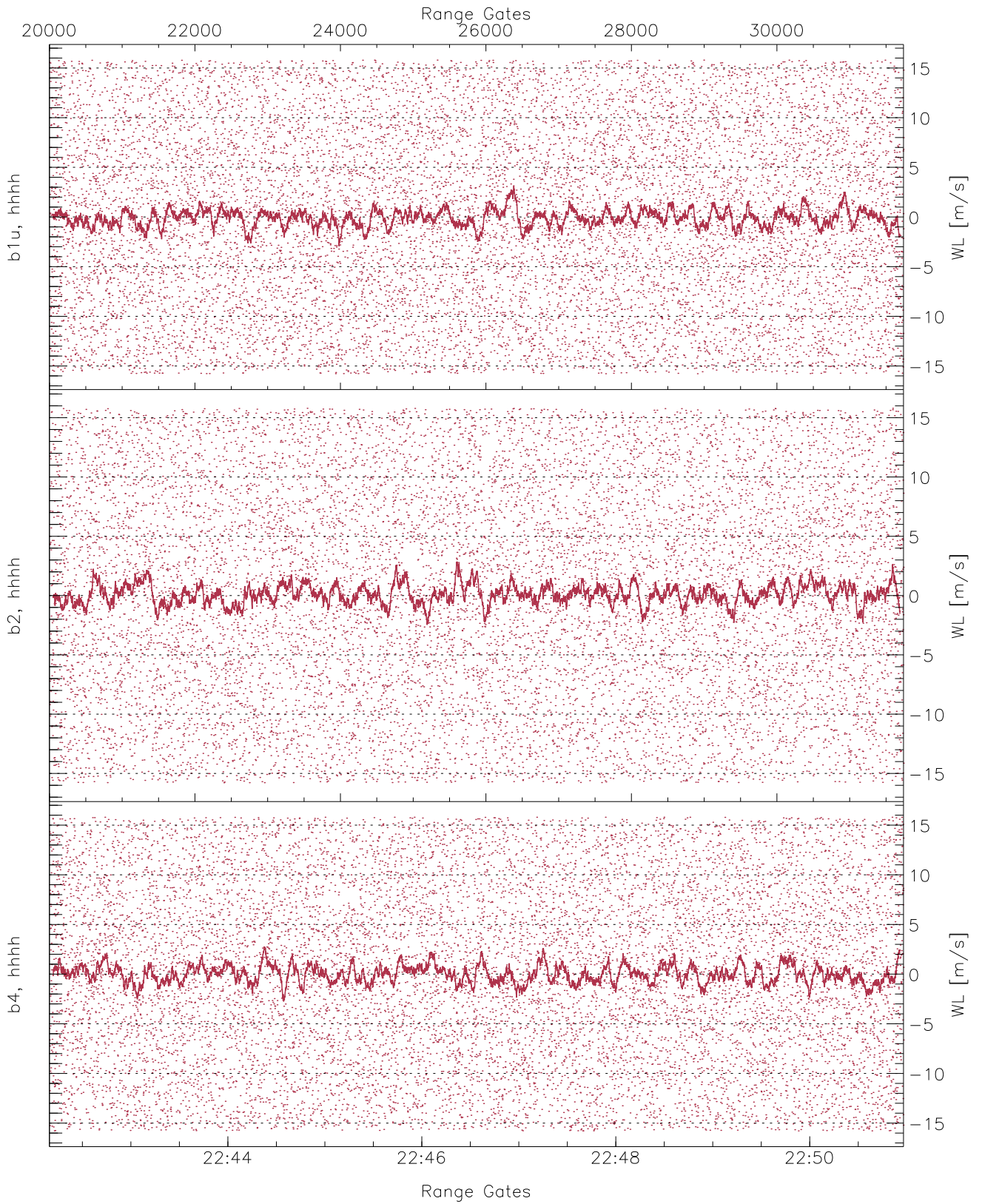
	Min	Max	Mean	Median	StDev
H1RG340_0 [dBm]	-66.23	-63.81	-65.00	-65.00	-76.46
V2RG321_0 [dBm]	-65.84	-63.32	-64.50	-64.51	-75.93
H2RG202_0 [dBm]	-65.91	-63.50	-64.57	-64.58	-76.05



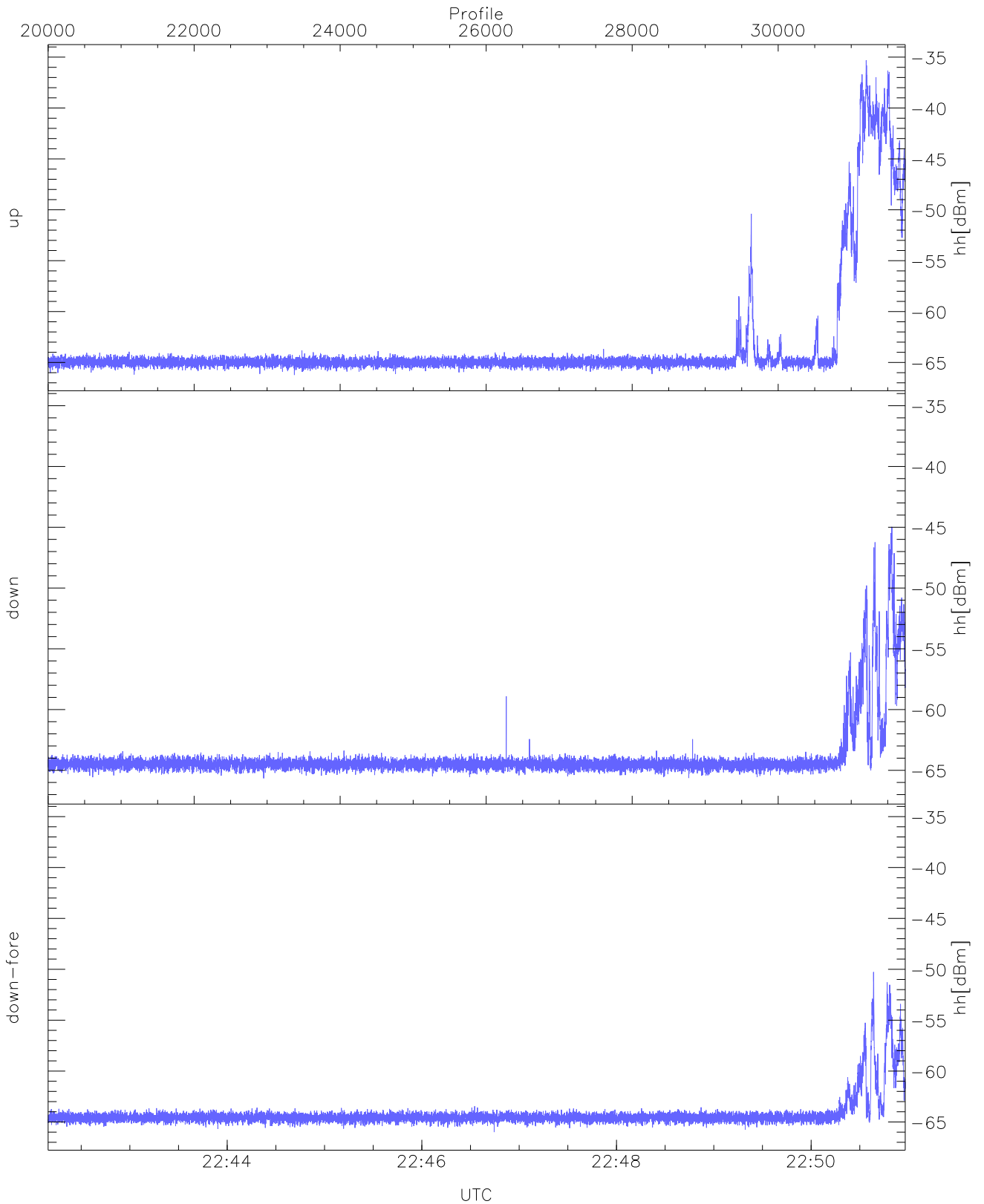
WCR3 CPP Averaged Received power for all recorded gates
blue: 224210-224634, 5871 profiles averaged
red: 224634-225058, 5871 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 224210-224634, 5871 profiles averaged
red: 224634-225058, 5871 profiles averaged

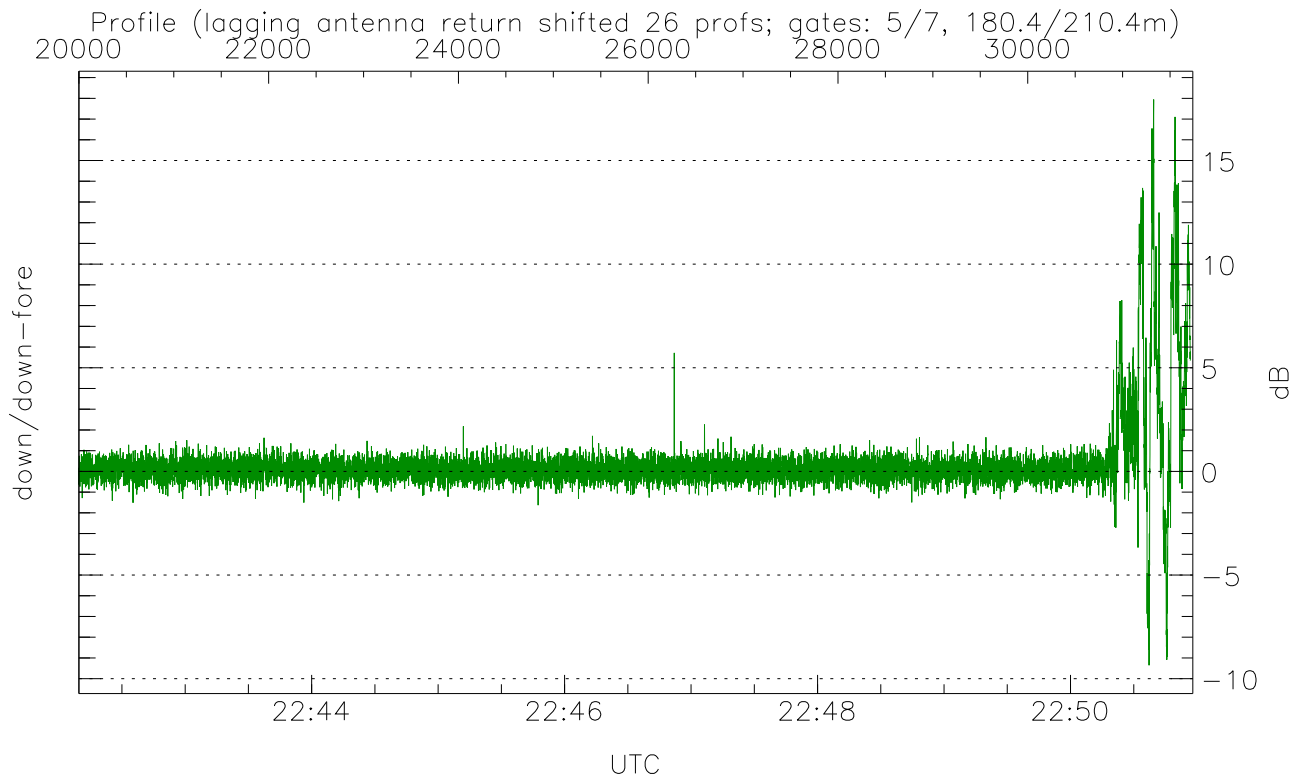
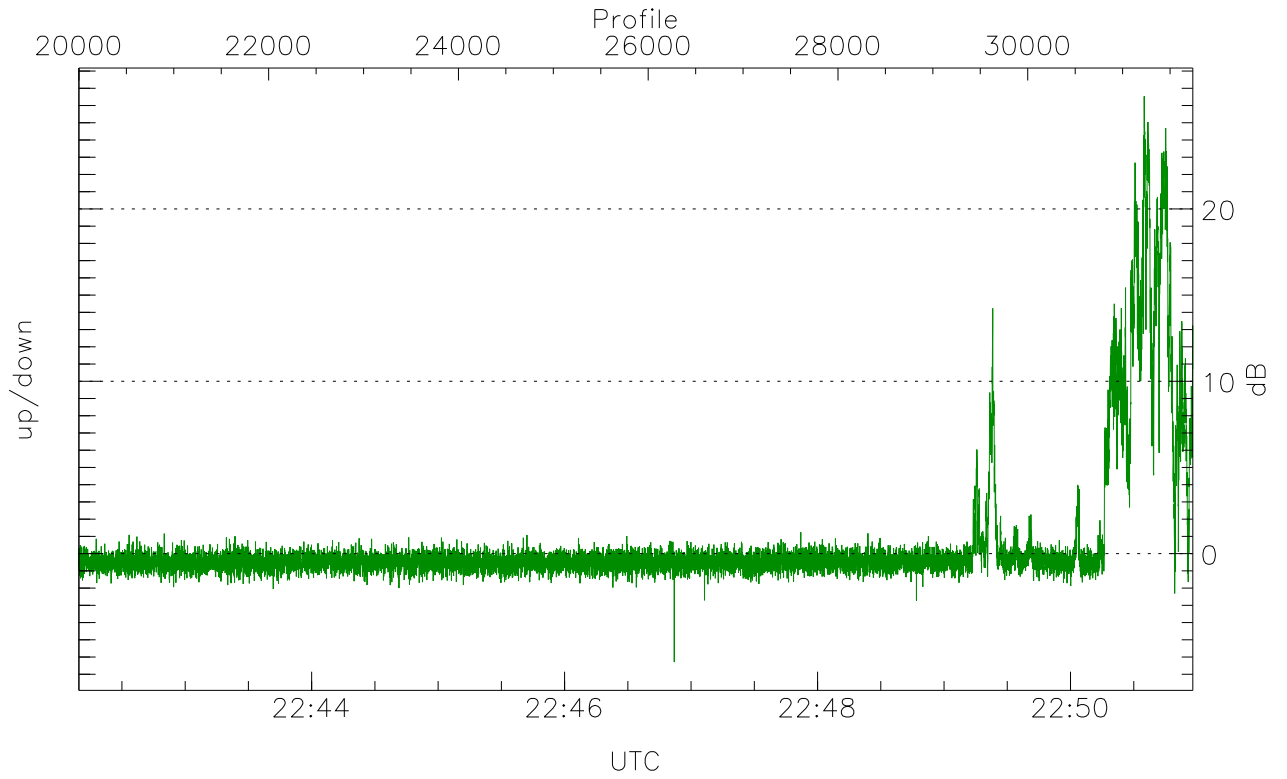


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



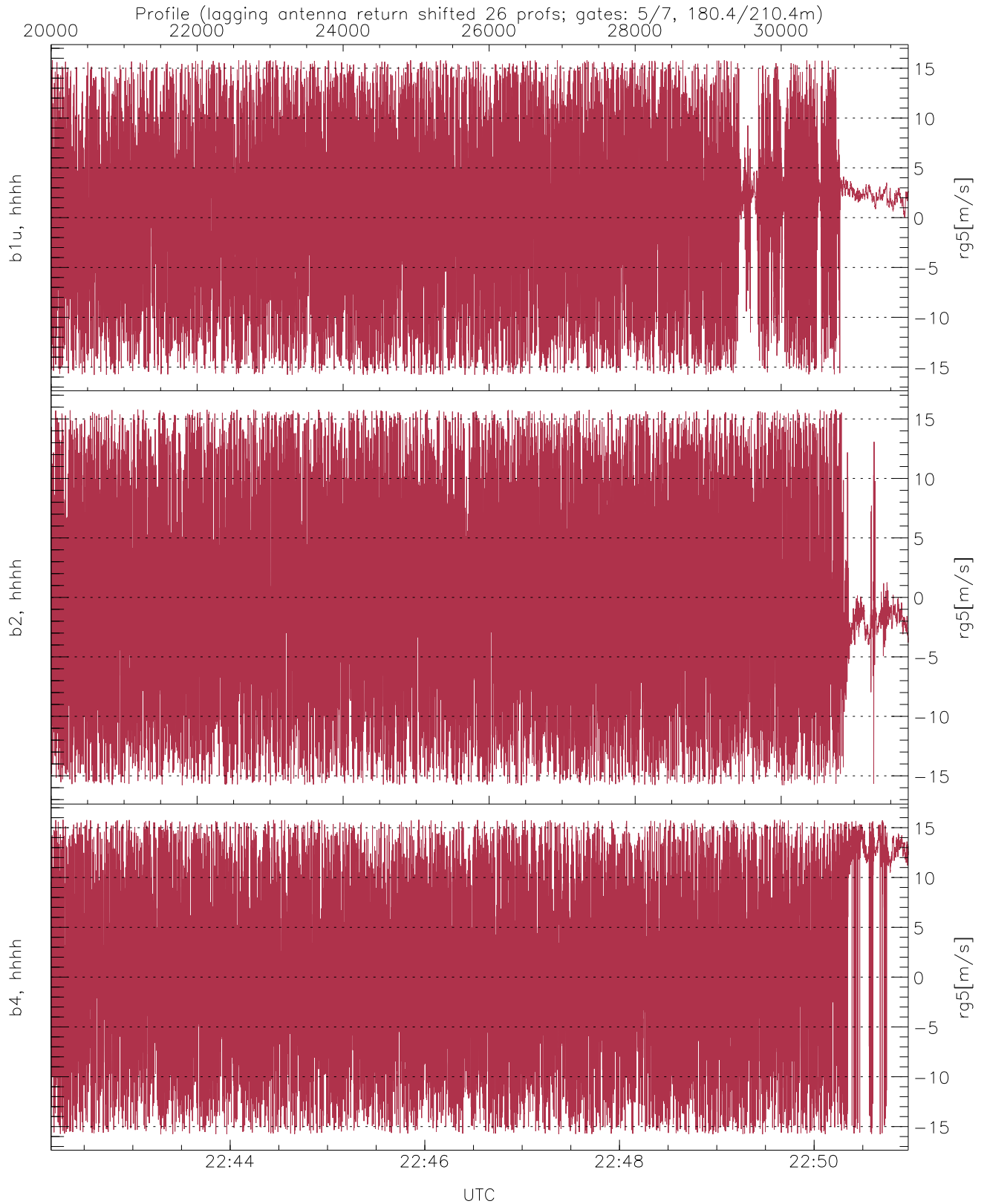
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

	Min	Max	Mean
up(hh[dBm])	-66.23	-35.31	-53.49
down(hh[dBm])	-65.66	-44.97	-62.29
down-fore(hh[dBm])	-66.00	-50.27	-63.73



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

	Min	Max	Mean
up/down (dB)	-6.29	26.54	0.60
down/down-fore (dB)	-9.35	17.94	0.34



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	0.27	7.96
b2, hhhh(rg5[m/s])	-15.78	15.79	-0.21	8.58
b4, hhhh(rg5[m/s])	-15.77	15.79	0.93	9.04