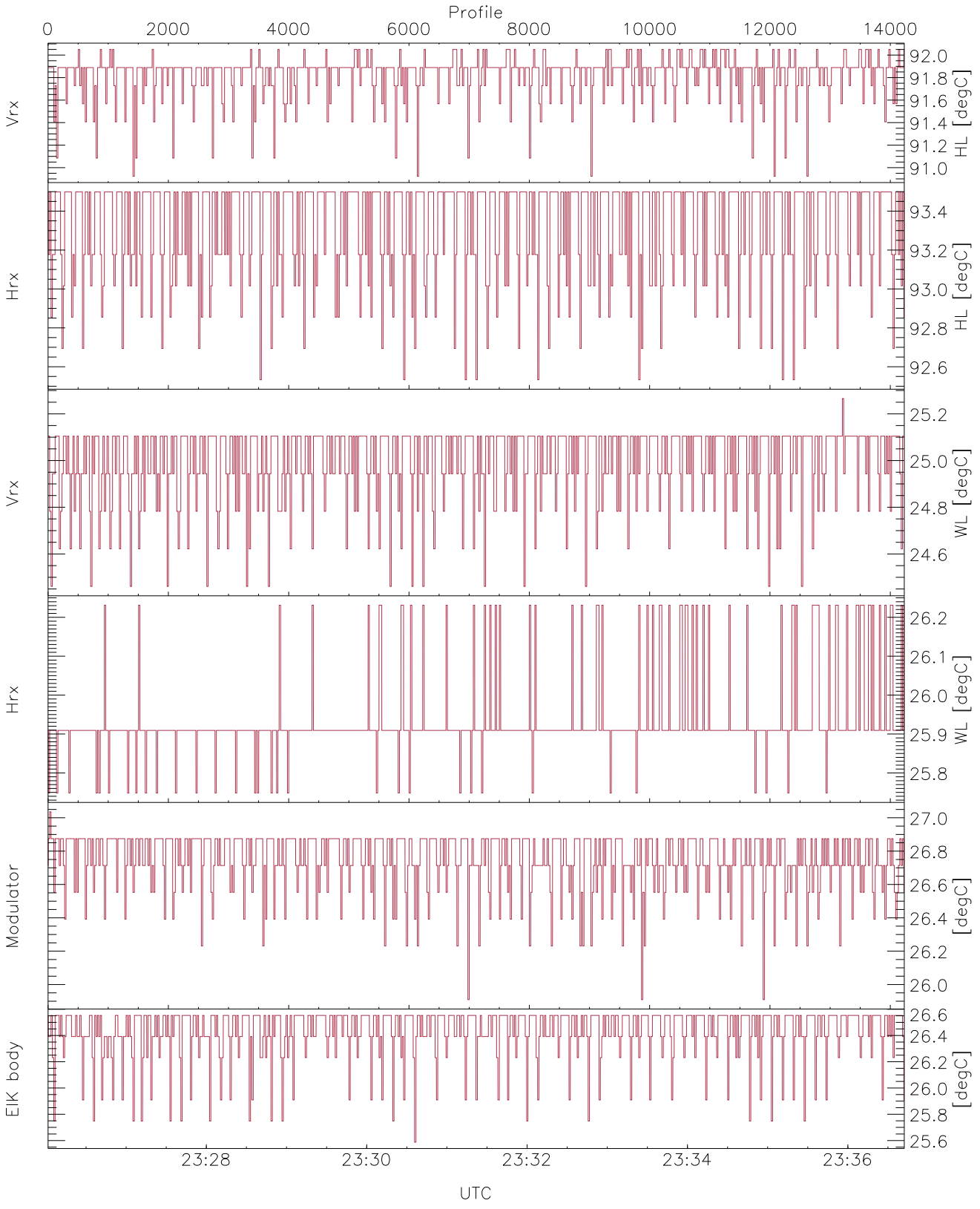
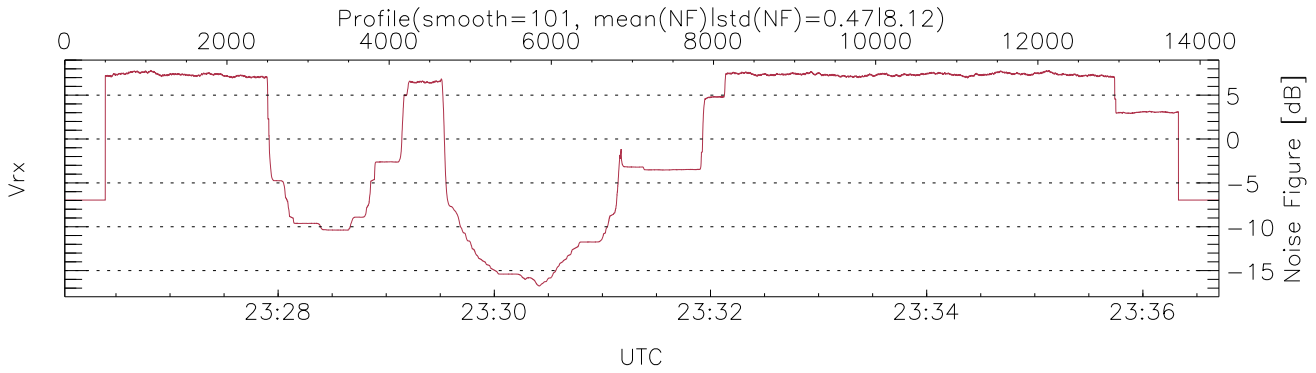
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

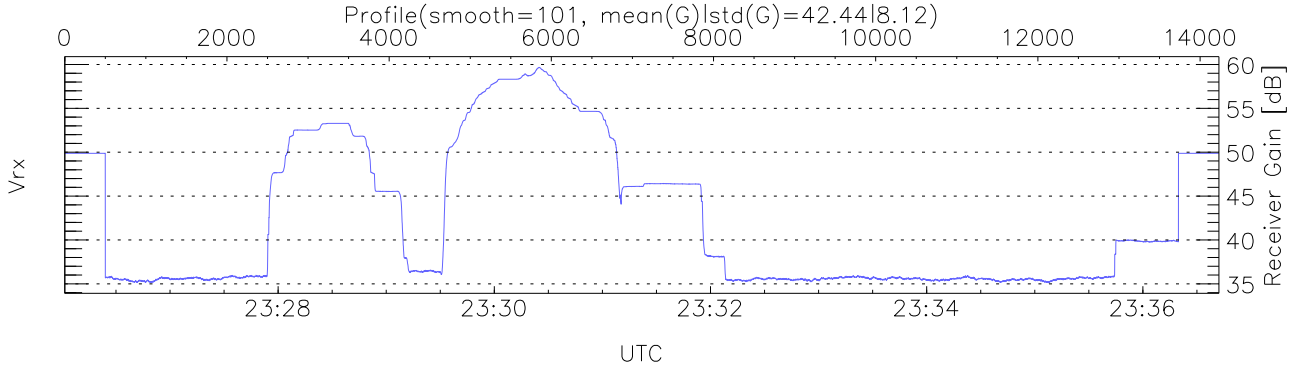
UTC: 23:26:02-23:36:42, TimeCor: 0.00s, Dur: 640.64s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 14234/14234, 0-14233/23:26:02-23:36:42
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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

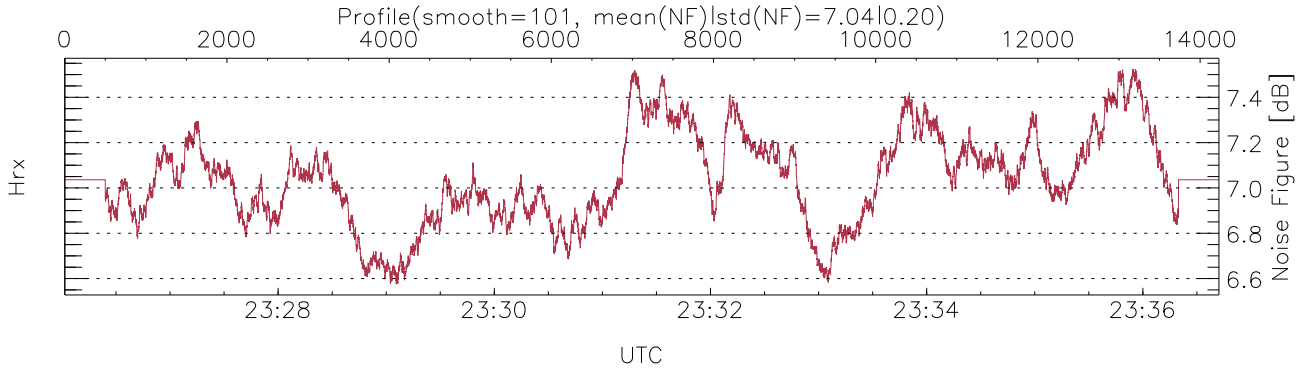


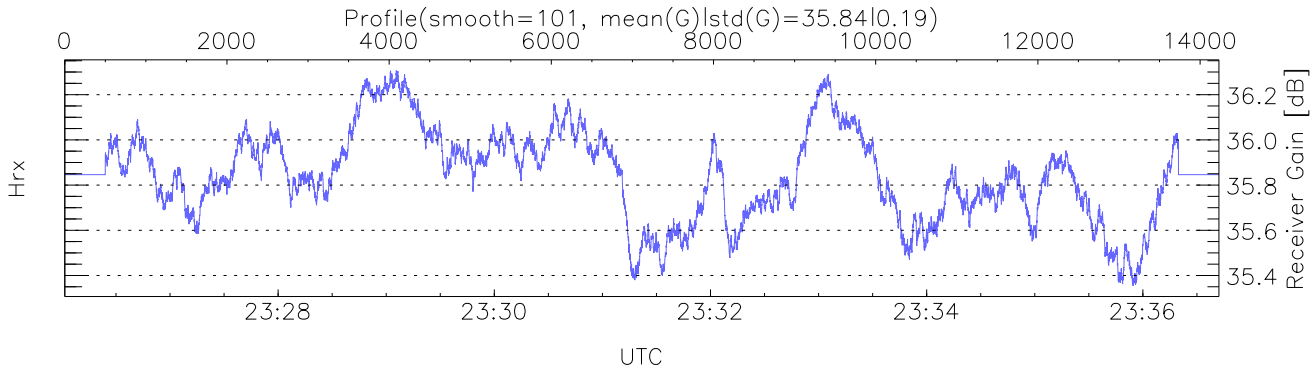
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,24,25,25,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,25,26,27,26
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



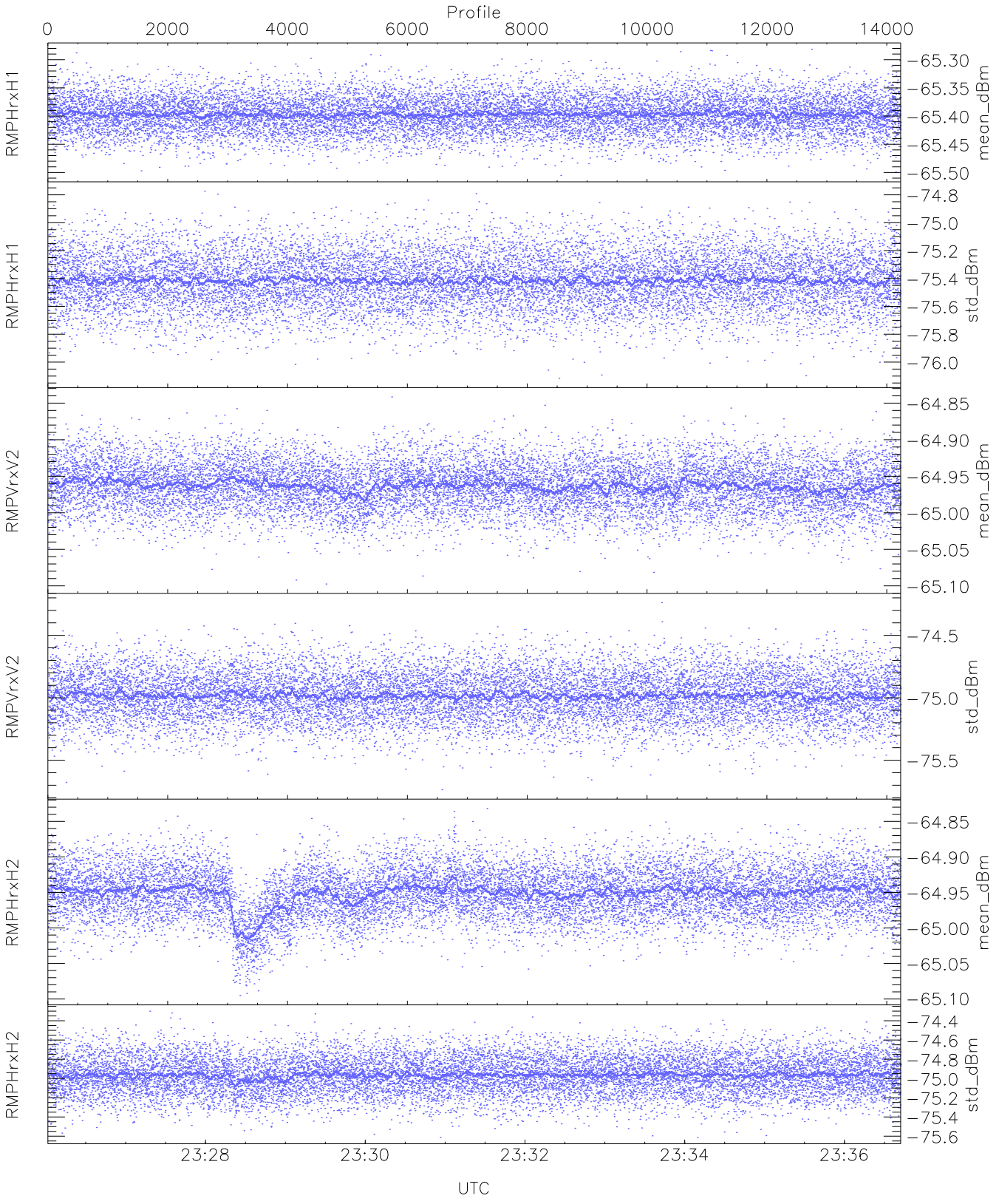






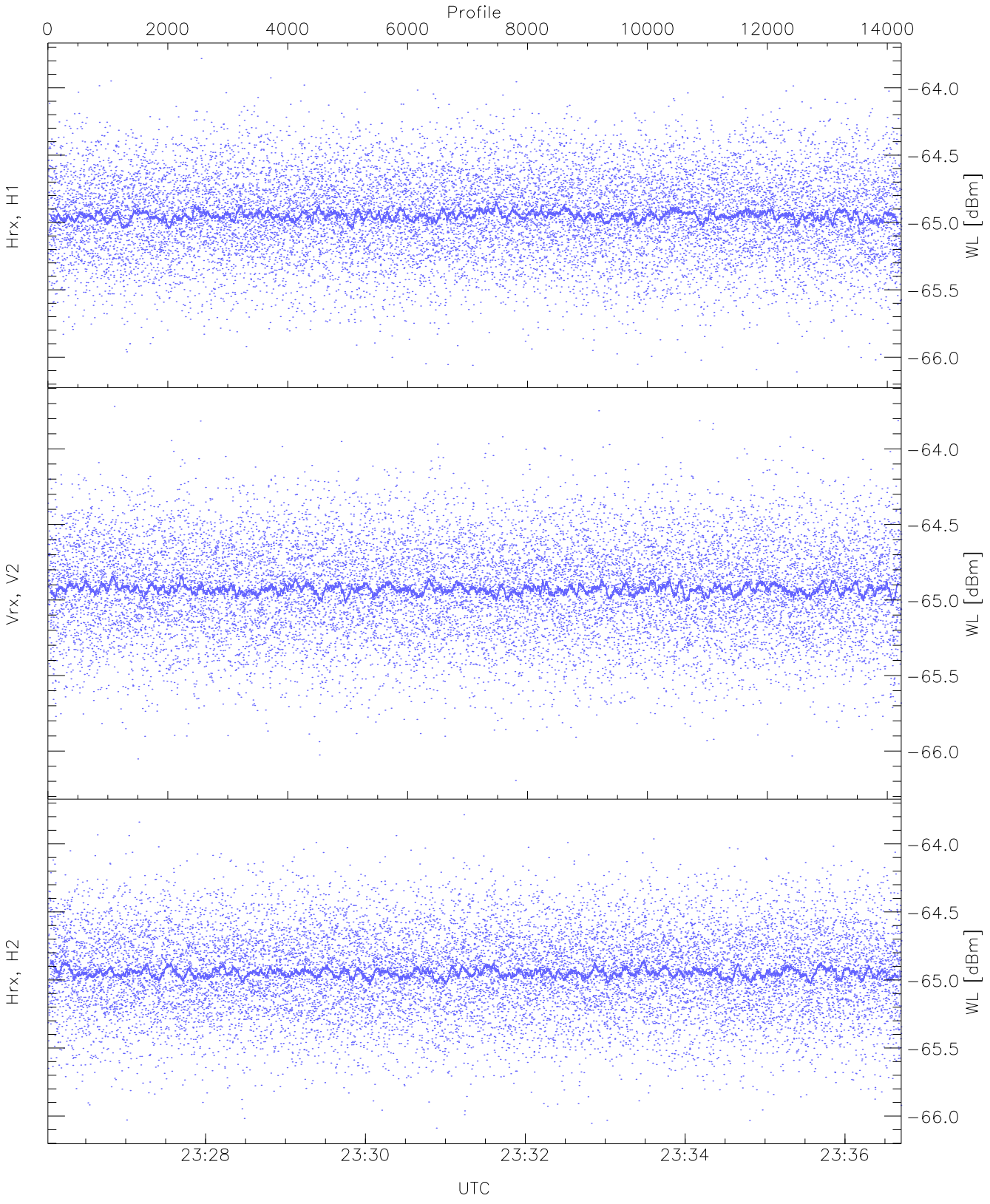
WCR3 CPP Receivers Gain and Noise Figure

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



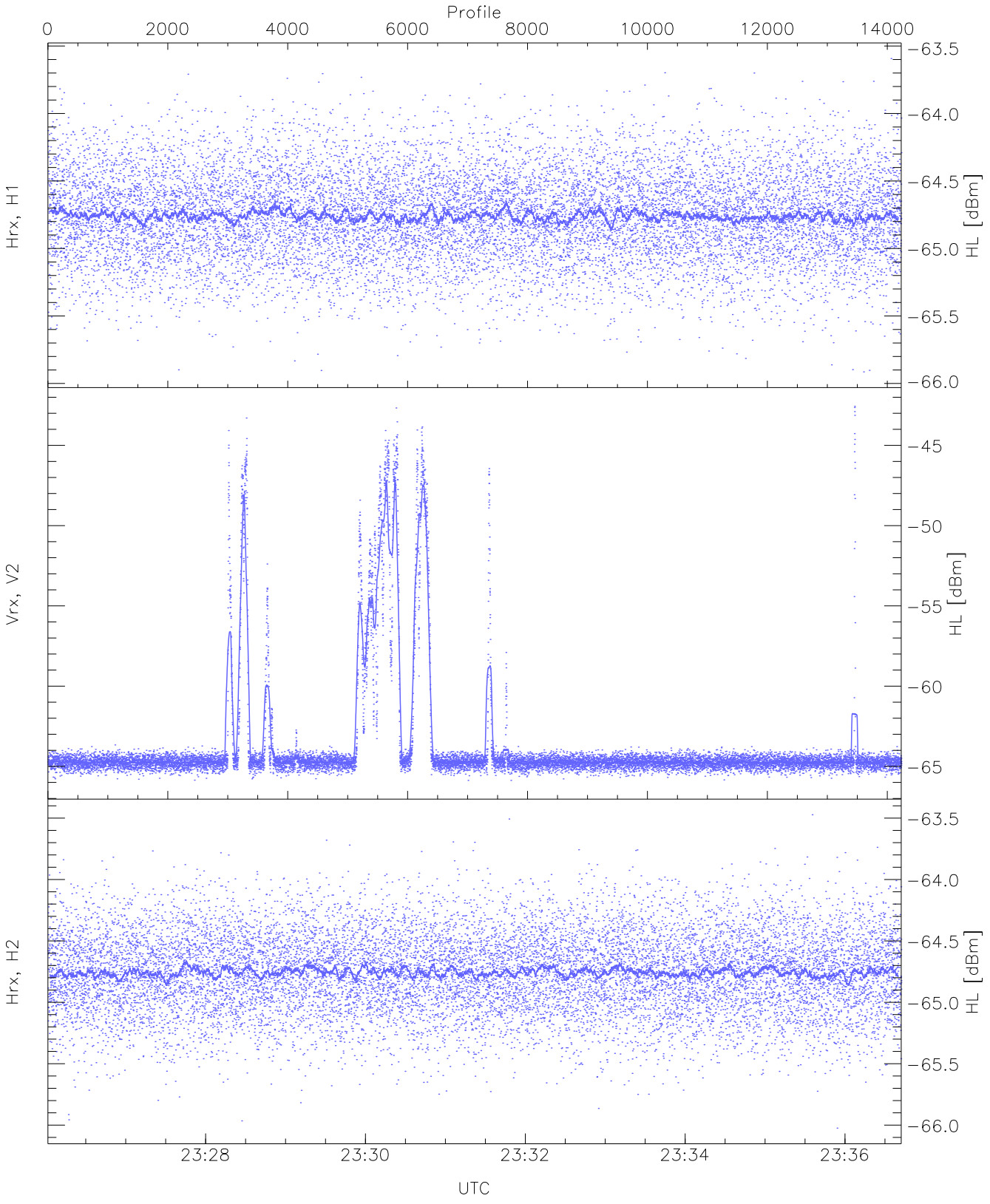
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.51	-65.28	-65.40	-65.40	-87.01
RMPHrxH1(std_dBm)	-76.12	-74.77	-75.41	-75.42	-89.21
RMPVrxV2(mean_dBm)	-65.10	-64.84	-64.96	-64.96	-86.49
RMPVrxV2(std_dBm)	-75.74	-74.24	-74.98	-74.98	-88.81
RMPHrxH2(mean_dBm)	-65.10	-64.83	-64.95	-64.95	-86.16
RMPHrxH2(std_dBm)	-75.61	-74.30	-74.96	-74.97	-88.80



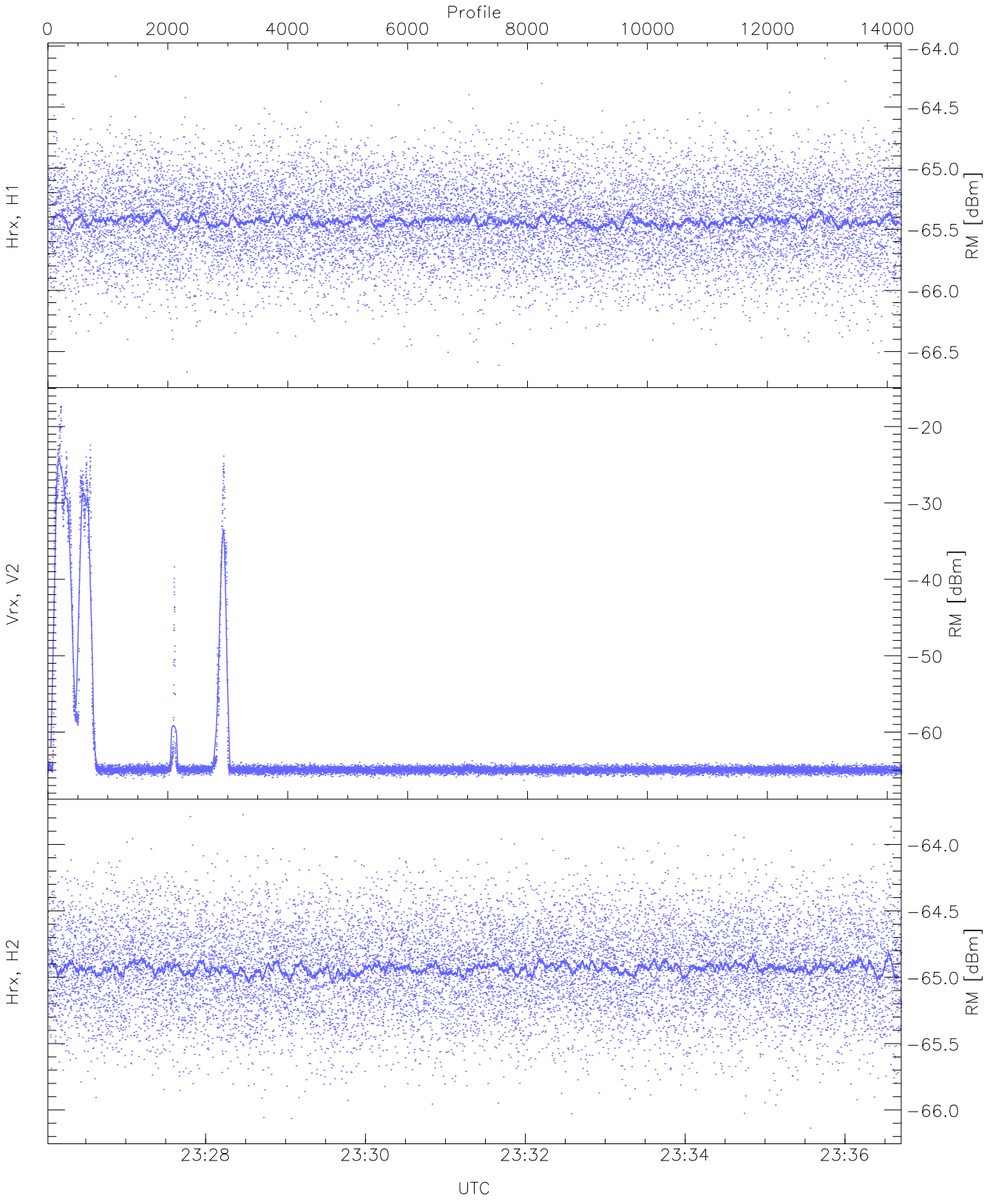
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.11	-63.78	-64.94	-64.95	-76.46
Vrx, V2(WL [dBm])	-66.19	-63.72	-64.92	-64.92	-76.42
Hrx, H2(WL [dBm])	-66.09	-63.79	-64.94	-64.95	-76.46



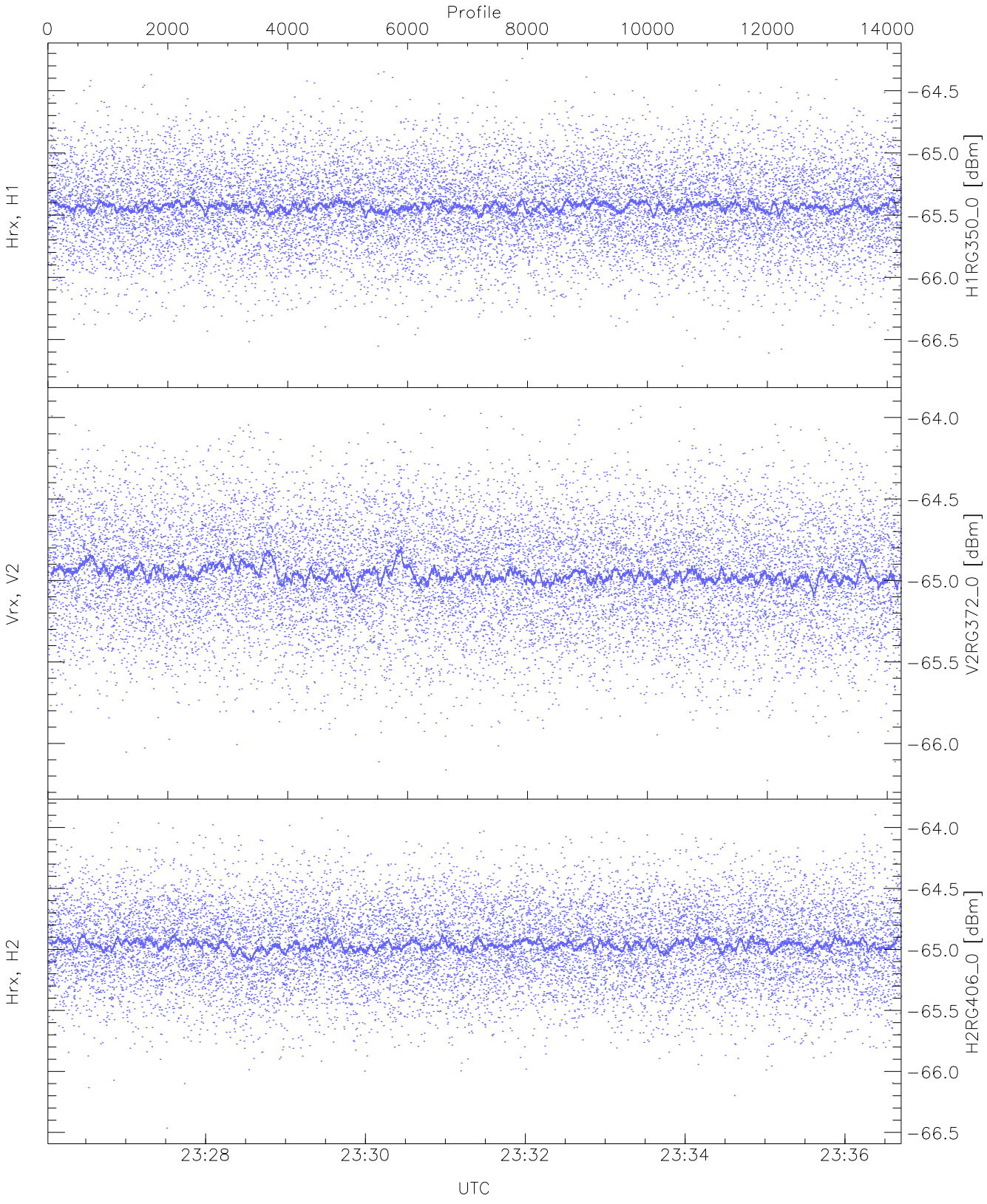
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-65.91	-63.59	-64.75	-64.76	-76.23
Vrx, V2(HL [dBm])	-65.87	-42.56	-59.11	-64.70	-54.00
Hrx, H2(HL [dBm])	-66.02	-63.47	-64.75	-64.75	-76.23



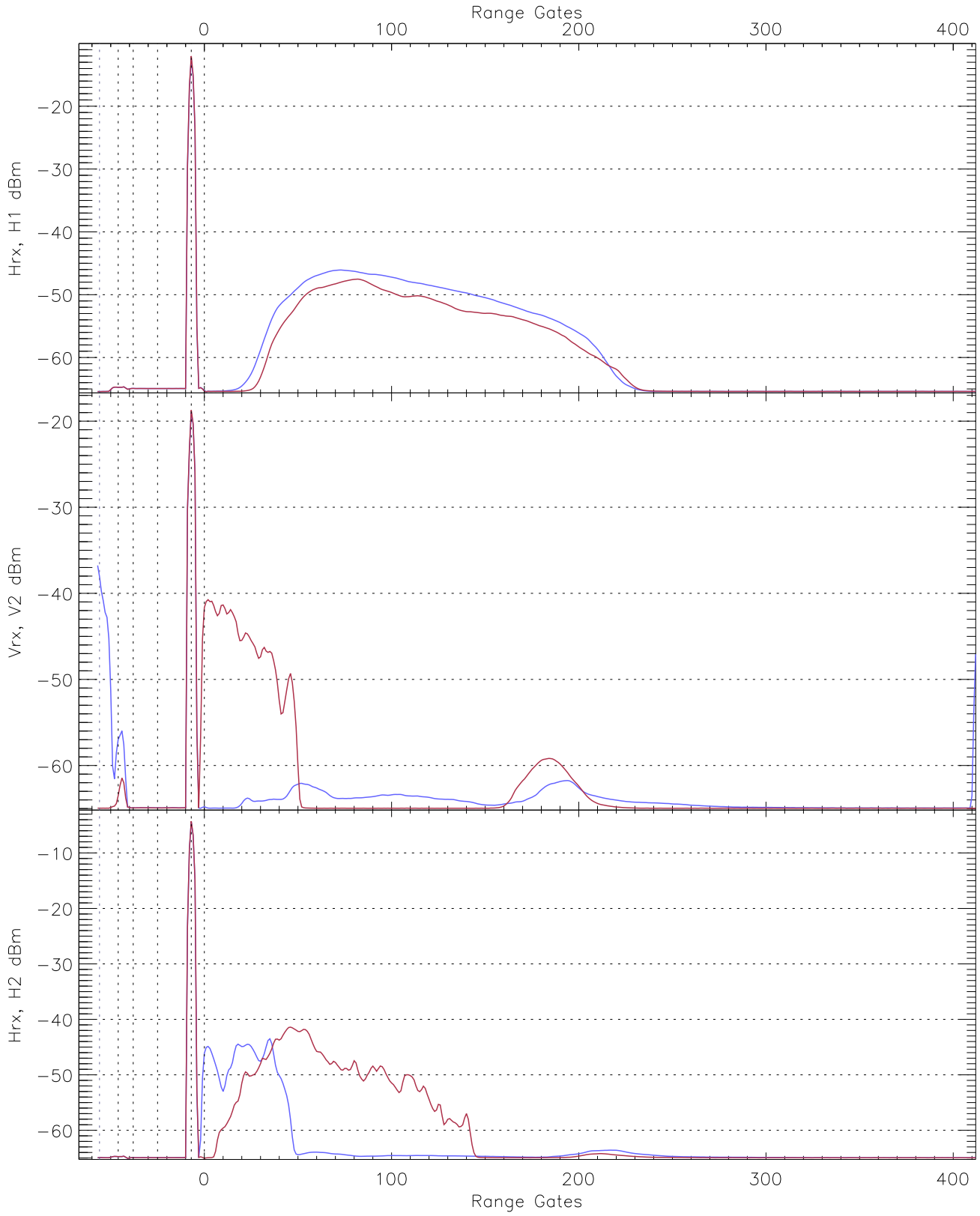
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.67	-64.10	-65.42	-65.43	-76.96
Vrx, V2(RM [dBm])	-66.33	-17.35	-41.04	-64.92	-31.86
Hrx, H2(RM [dBm])	-66.14	-63.78	-64.93	-64.93	-76.38

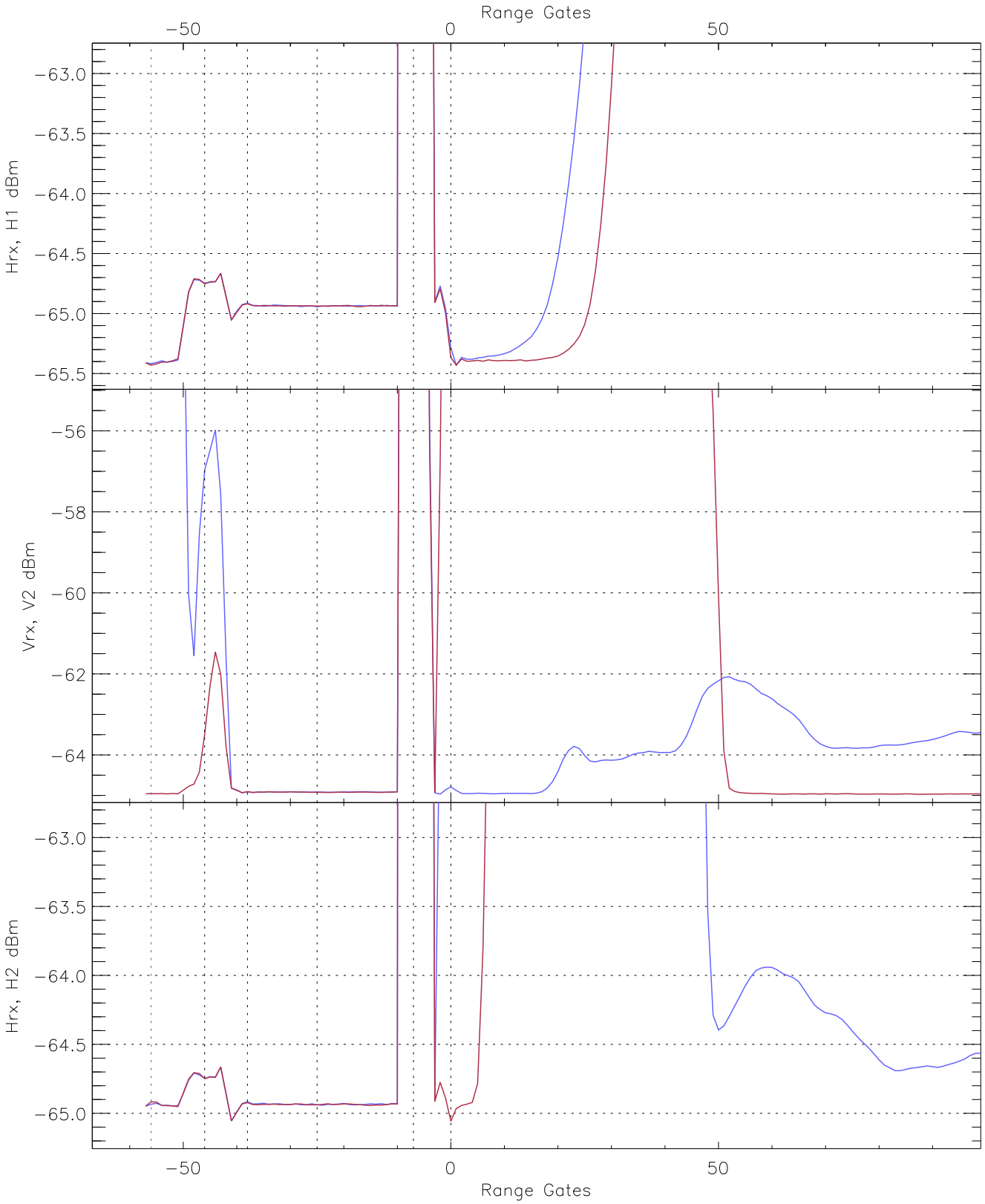


WCR3 CPP "Best" estimate Receivers Noise Power

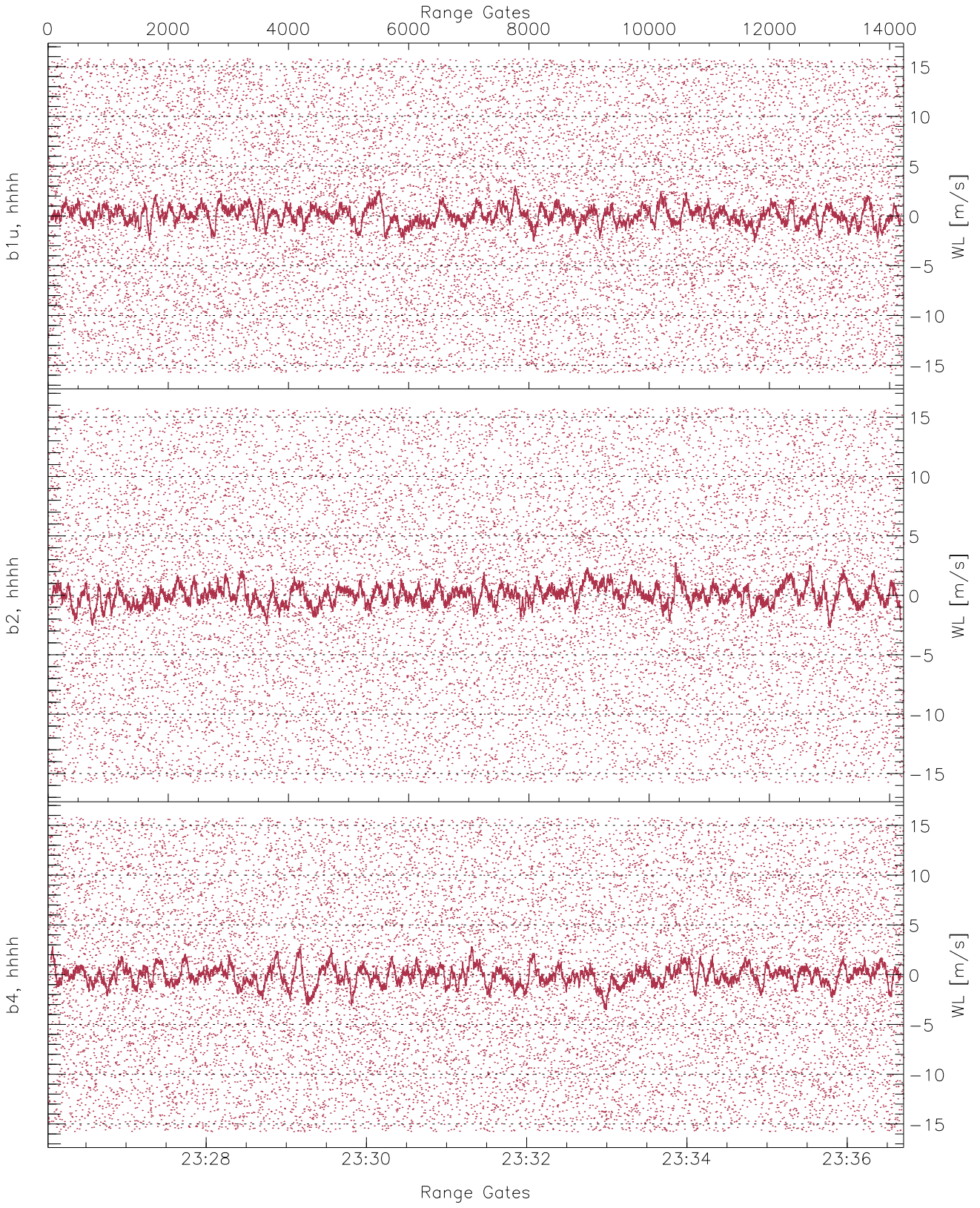
	Min	Max	Mean	Median	StDev
H1RG350_0 [dBm]	-66.76	-64.24	-65.42	-65.43	-76.92
V2RG372_0 [dBm]	-66.23	-63.93	-64.95	-64.96	-76.45
H2RG406_0 [dBm]	-66.46	-63.90	-64.95	-64.96	-76.42



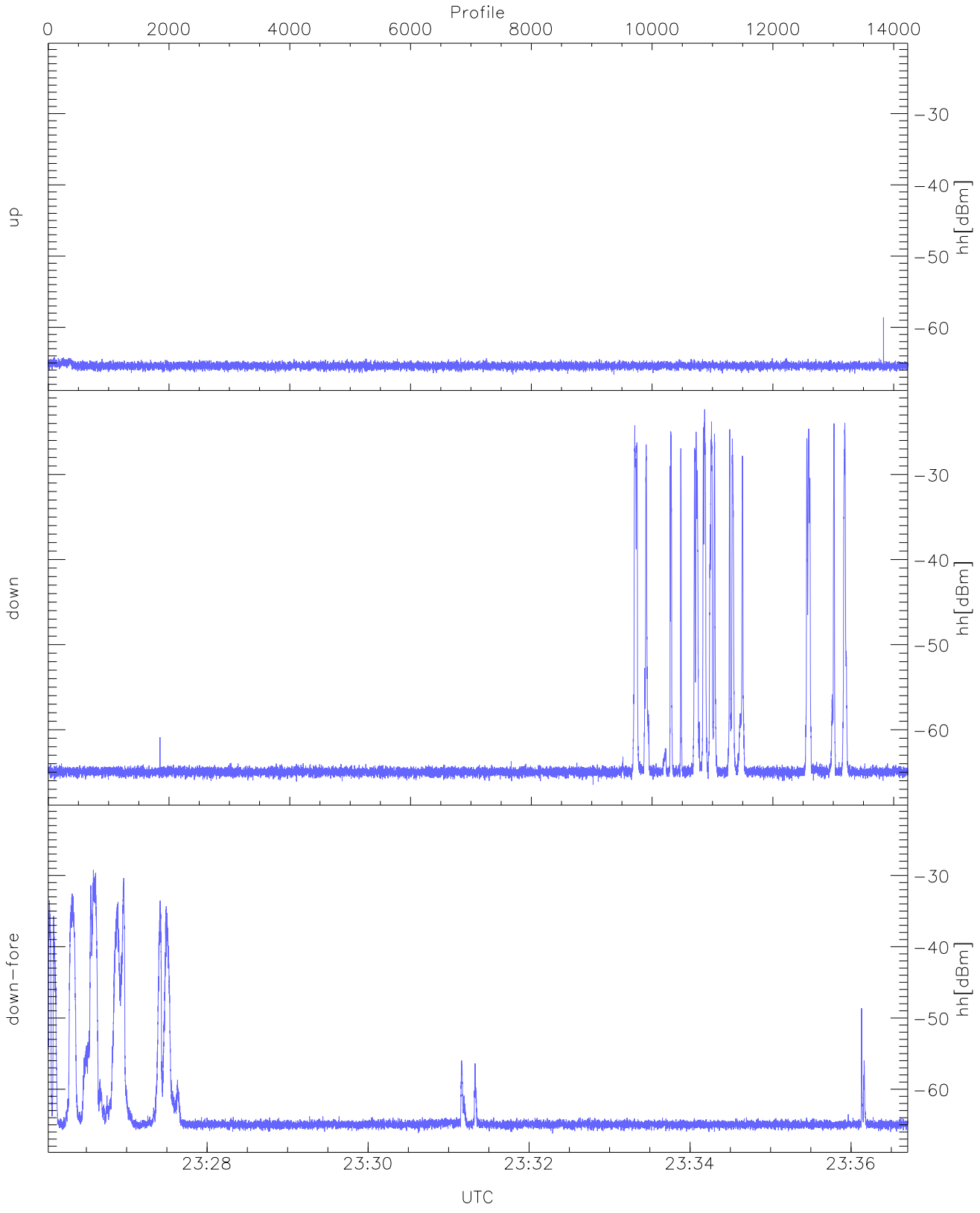
WCR3 CPP Averaged Received power for all recorded gates
blue: 232602-233122, 7118 profiles averaged
red: 233122-233642, 7117 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 232602-233122, 7118 profiles averaged
red: 233122-233642, 7117 profiles averaged

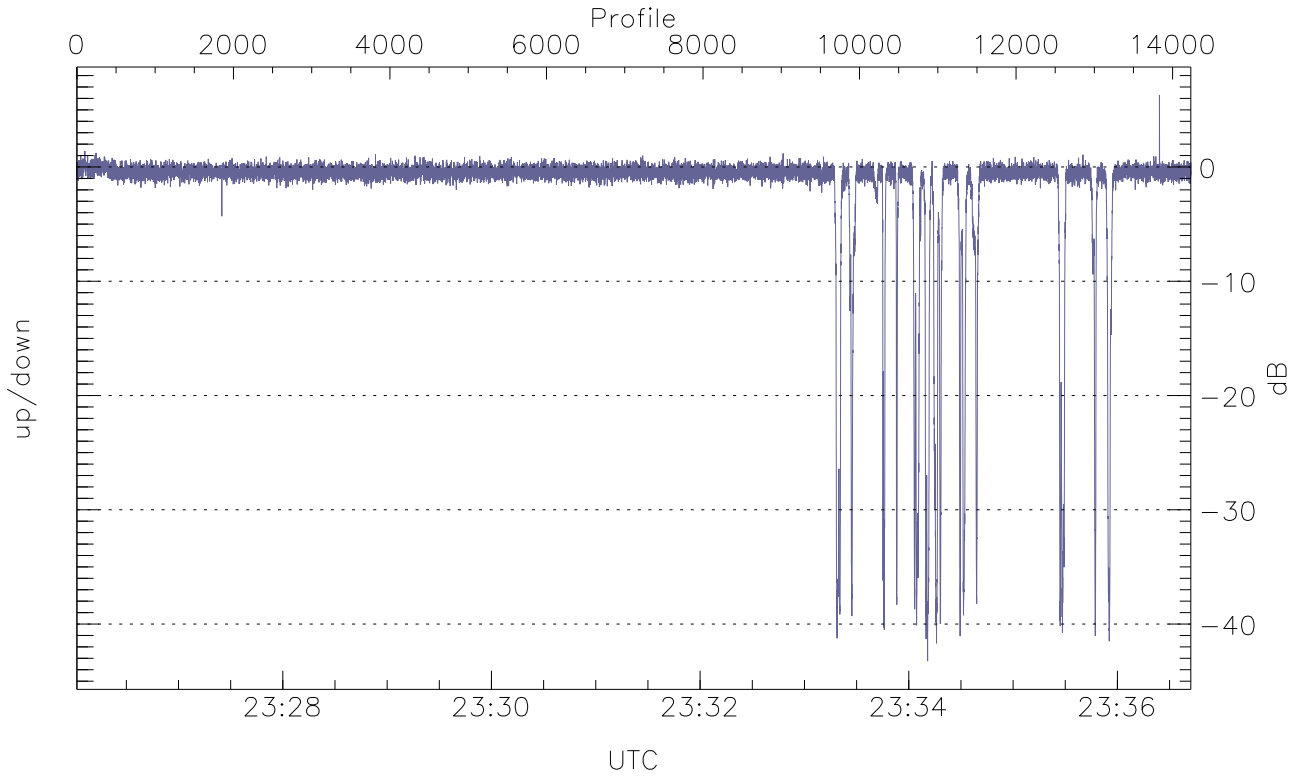


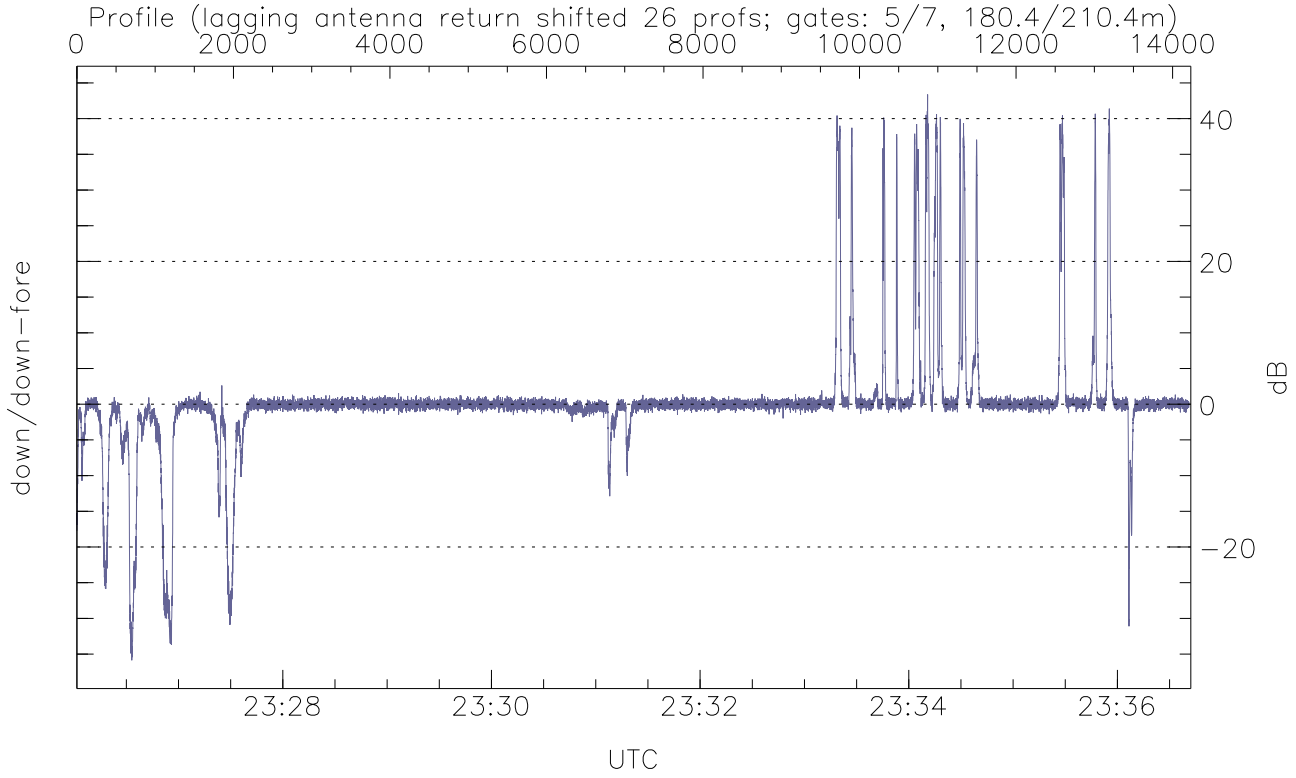
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

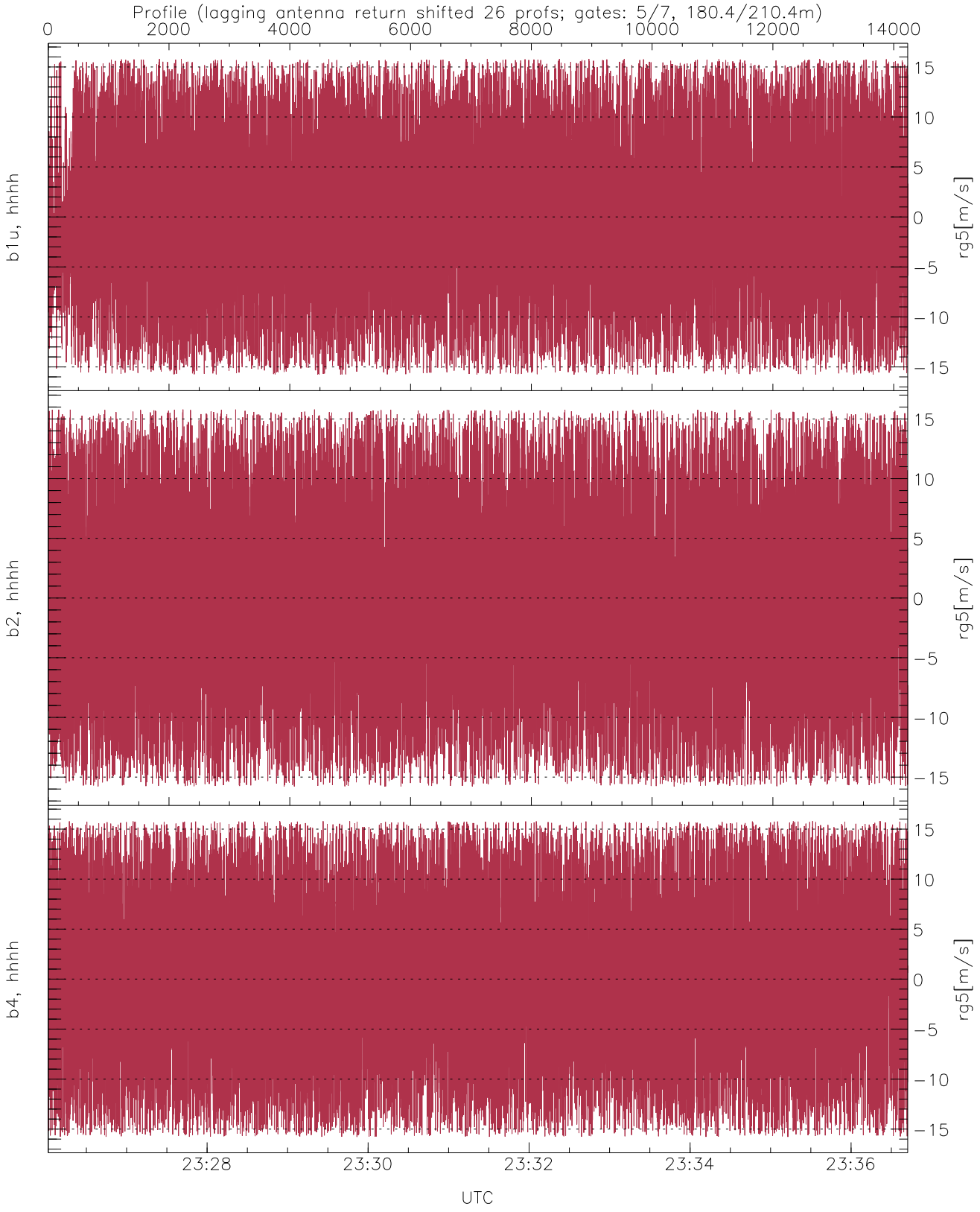
	Min	Max	Mean
up(hh[dBm])	-66.64	-58.62	-65.38
down(hh[dBm])	-66.47	-22.34	-44.40
down-fore(hh[dBm])	-66.21	-29.23	-50.05





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

	Min	Max	Mean
up/down(dB)	-43.24	6.27	-1.79
down/down-fore(dB)	-35.86	43.38	0.17



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	0.01	8.52
b2, hhhh(rg5[m/s])	-15.78	15.79	-0.03	8.64
b4, hhhh(rg5[m/s])	-15.78	15.79	0.04	8.83