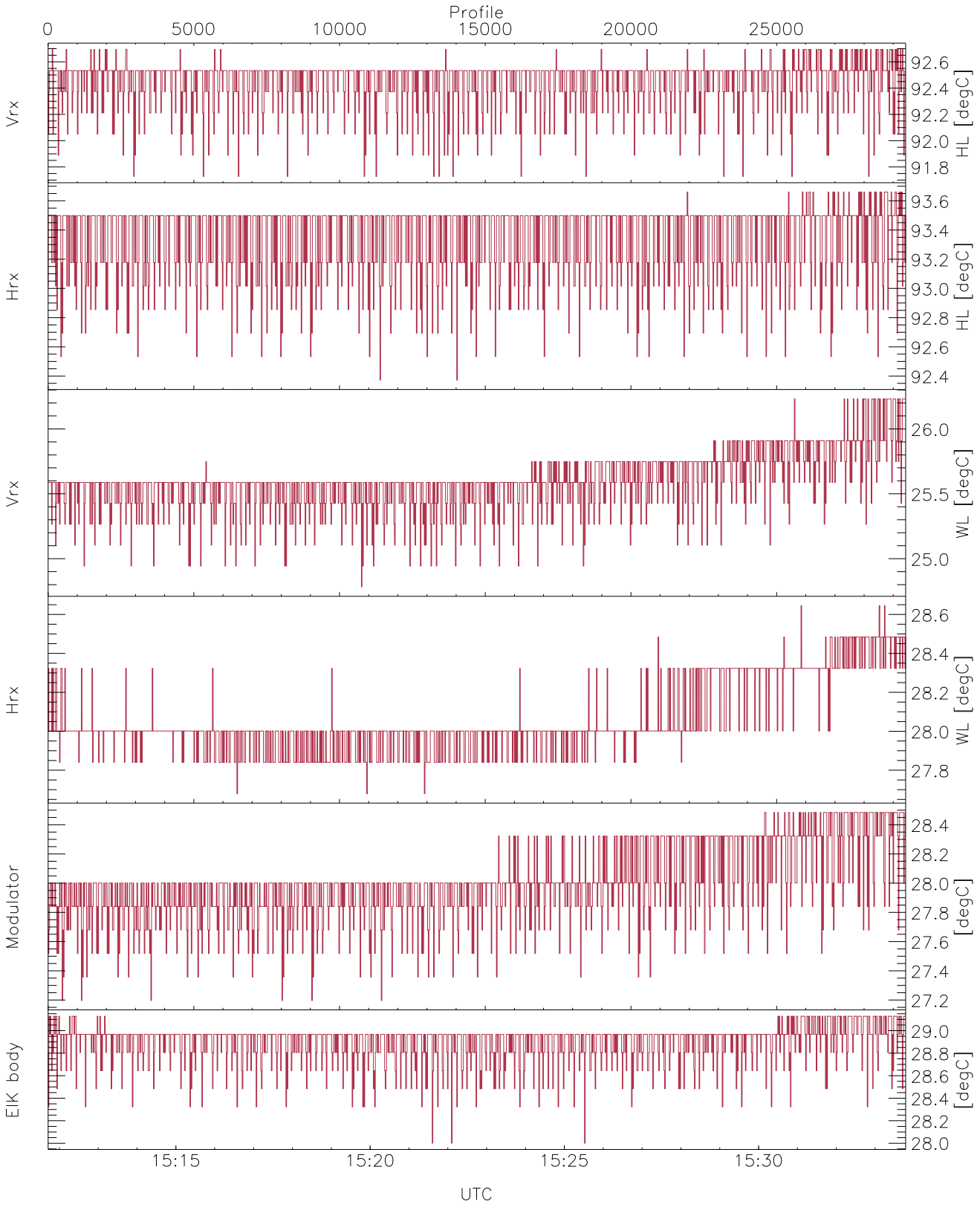
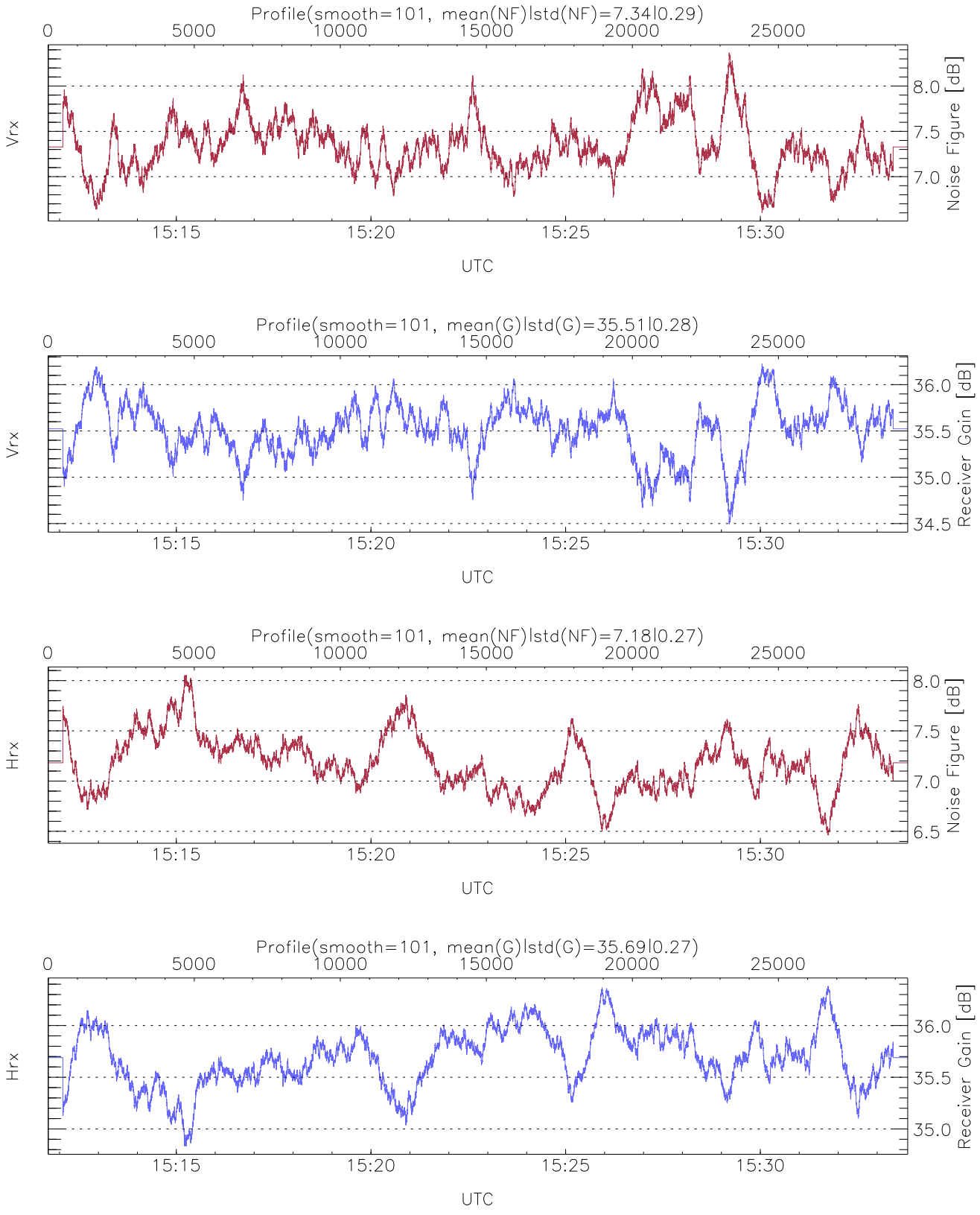
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 15:11:43-15:33:47, TimeCor: 0.00s, Dur: 1324.55s
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): 29428/29428, 0-29427/15:11:43-15:33:47
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



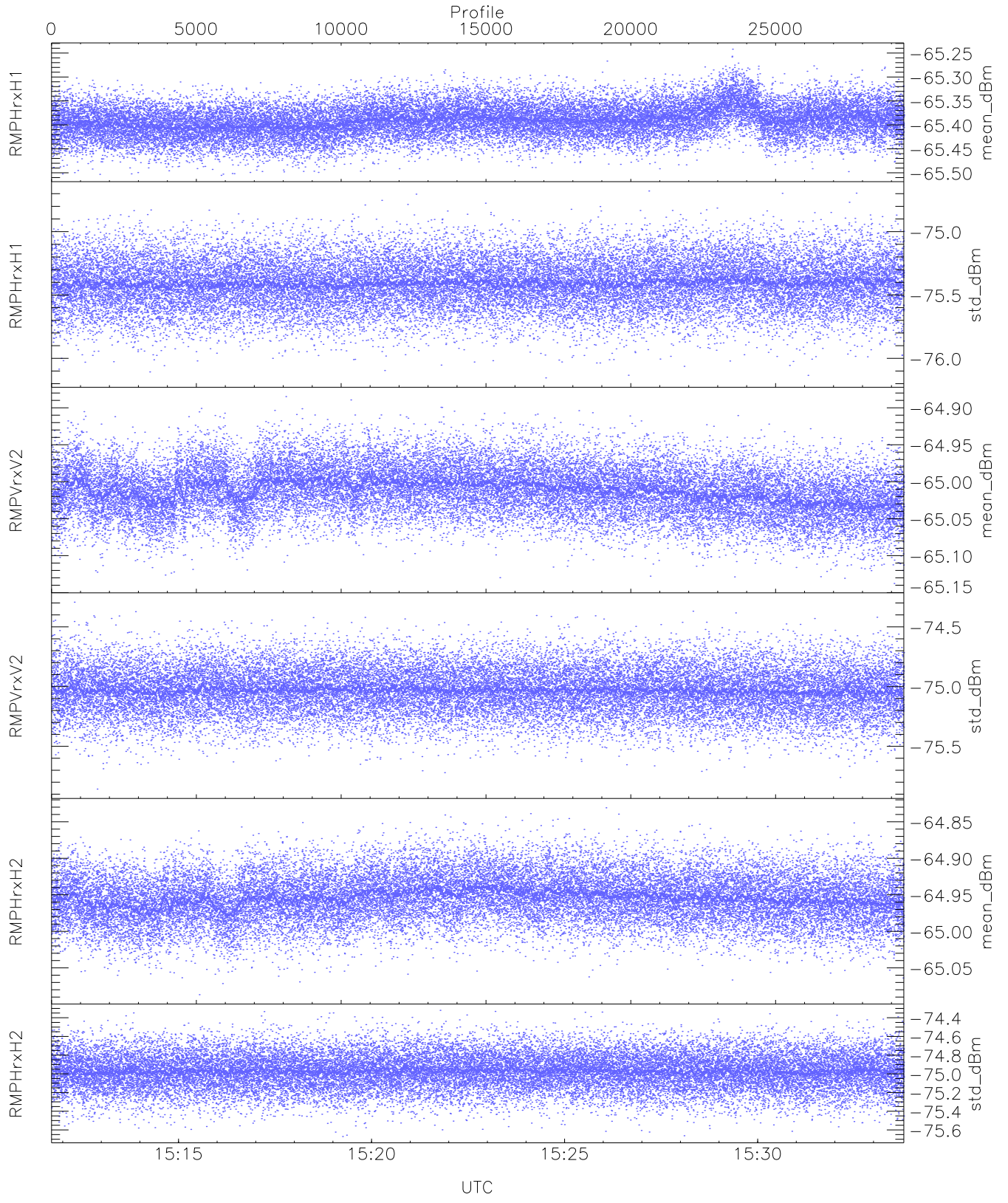
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,24,27,27,28
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,26,28,28,29
LOalarm(20,240,2817,14861 MHz): 0,0,22,0
EIK Faults(# prof affected):
DeckF (24)



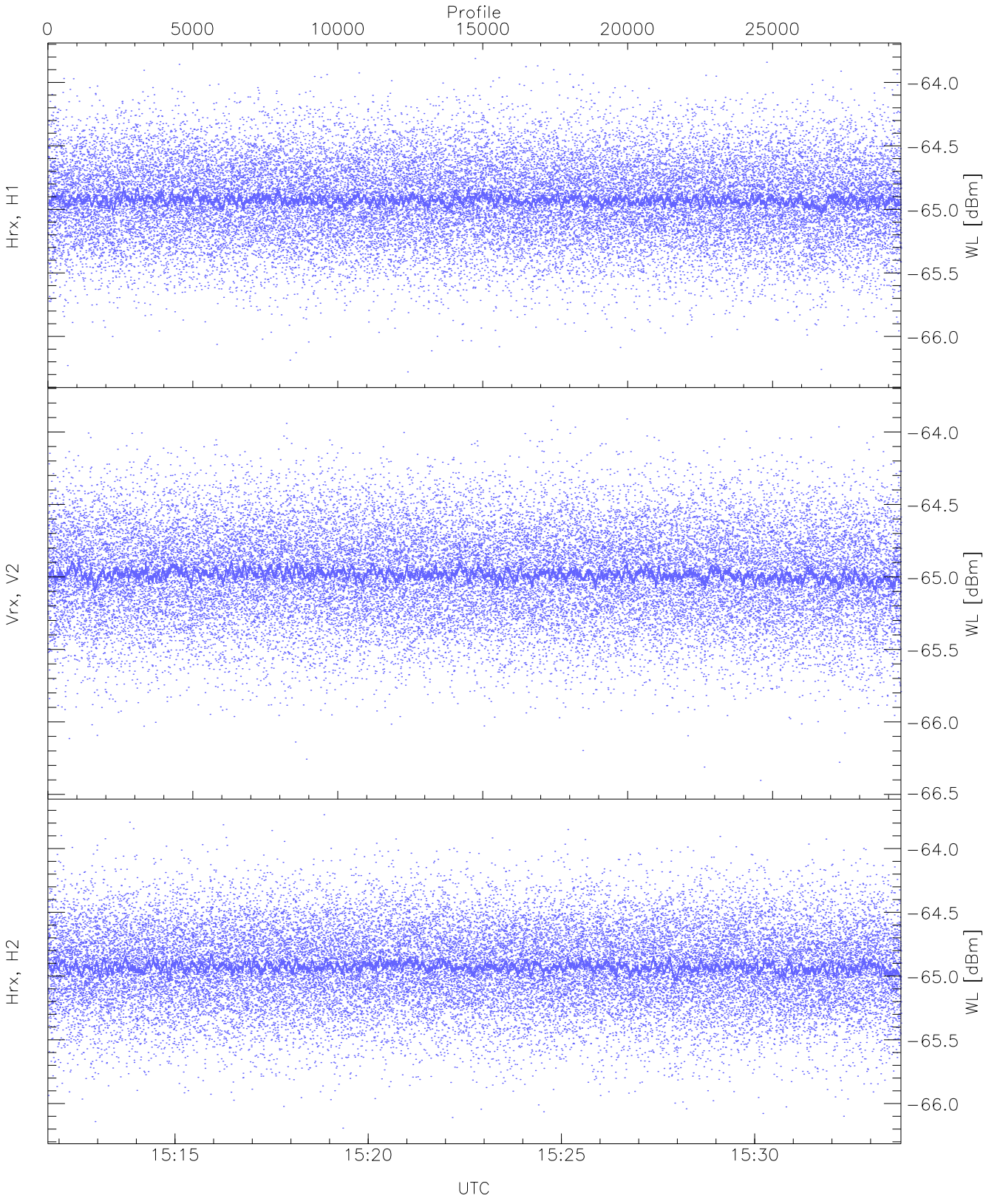
WCR3 CPP Receivers Gain and Noise Figure

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



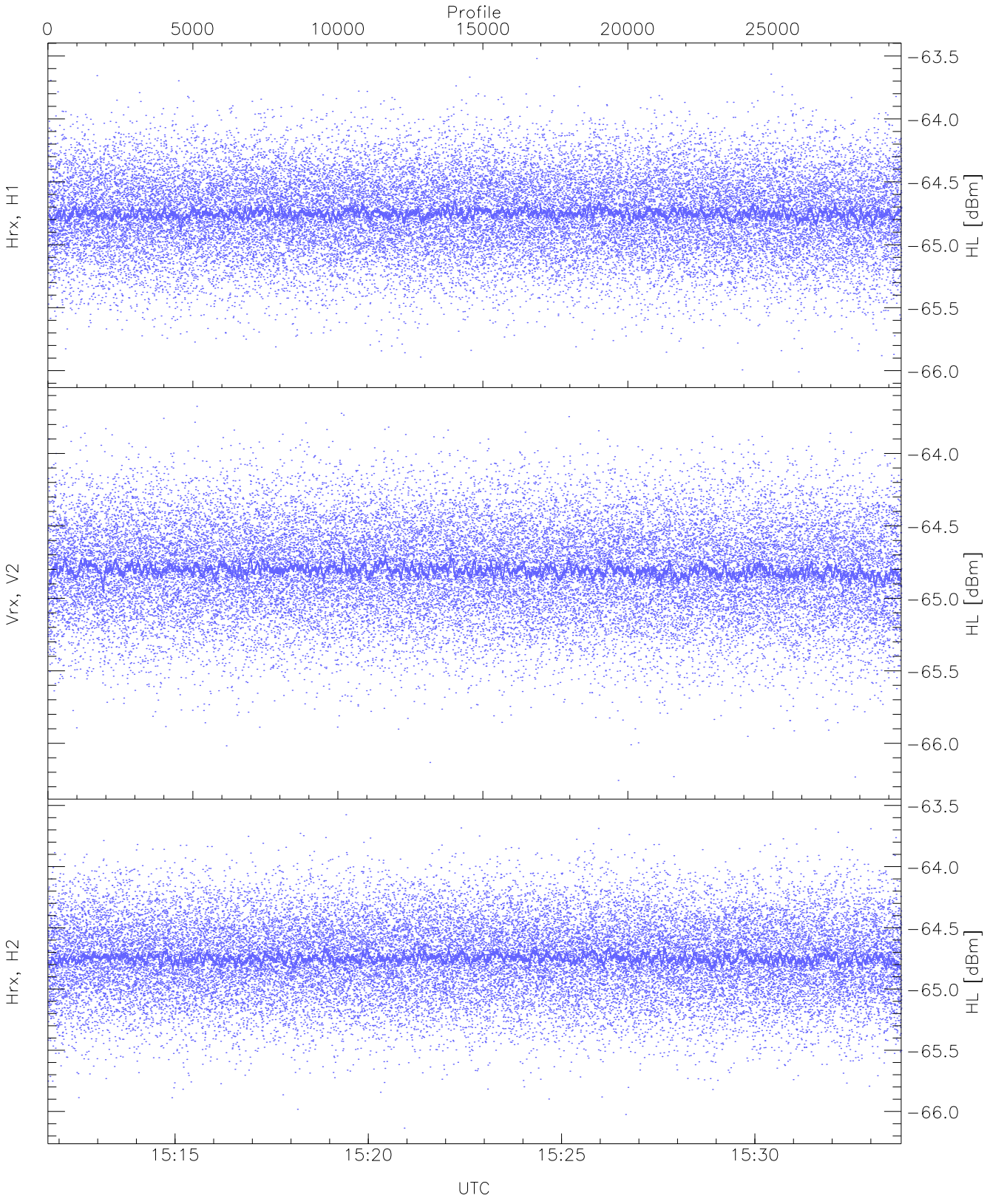
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.51	-65.24	-65.39	-65.39	-86.69
RMPHrxH1(std_dBm)	-76.15	-74.68	-75.41	-75.41	-89.16
RMPVrxV2(mean_dBm)	-65.14	-64.88	-65.01	-65.01	-86.34
RMPVrxV2(std_dBm)	-75.86	-74.29	-75.03	-75.03	-88.81
RMPHrxH2(mean_dBm)	-65.09	-64.83	-64.95	-64.95	-86.43
RMPHrxH2(std_dBm)	-75.67	-74.32	-74.97	-74.97	-88.81



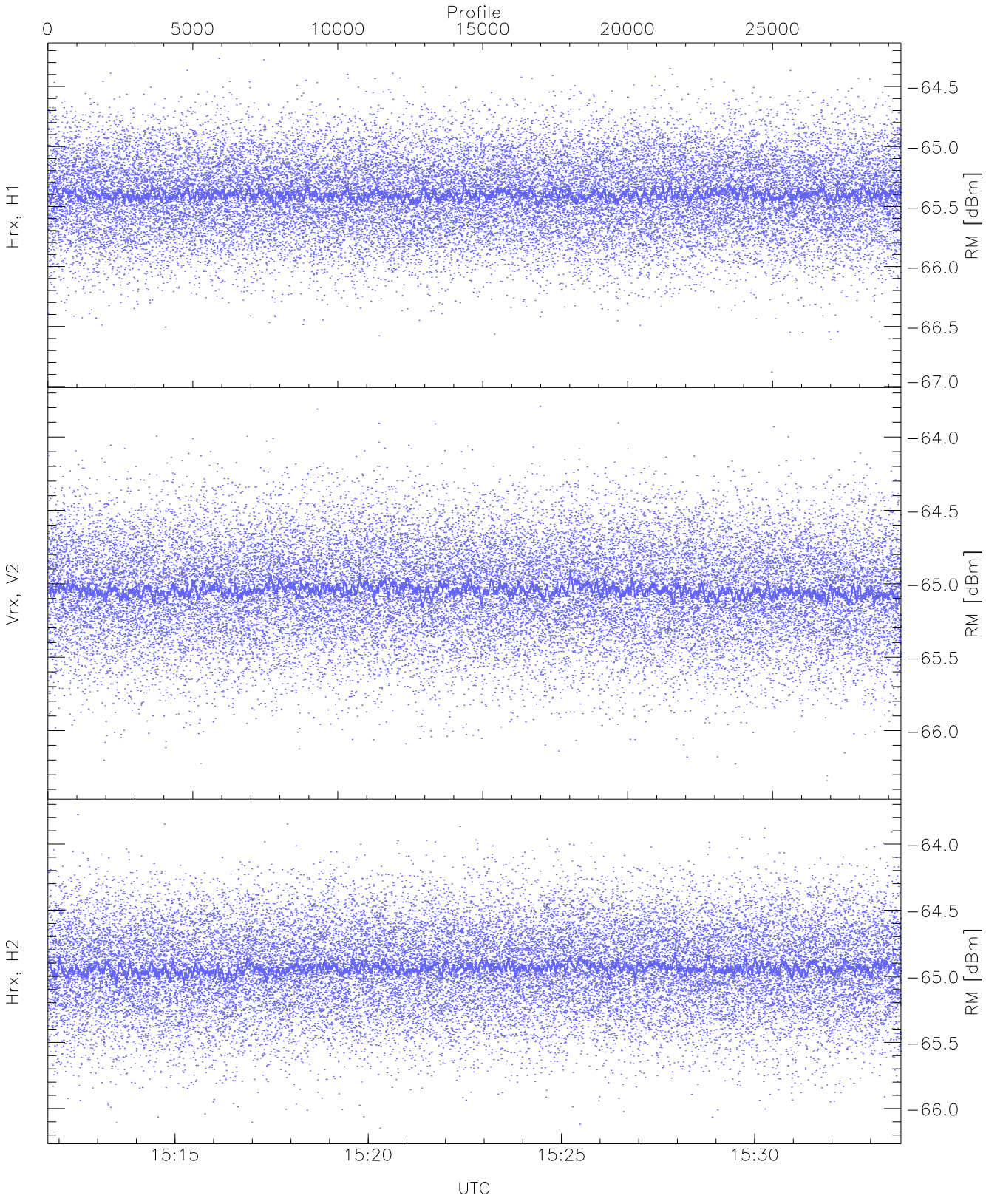
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.28	-63.81	-64.92	-64.93	-76.41
Vrx, V2(WL [dBm])	-66.40	-63.82	-64.98	-64.98	-76.48
Hrx, H2(WL [dBm])	-66.19	-63.73	-64.92	-64.93	-76.43



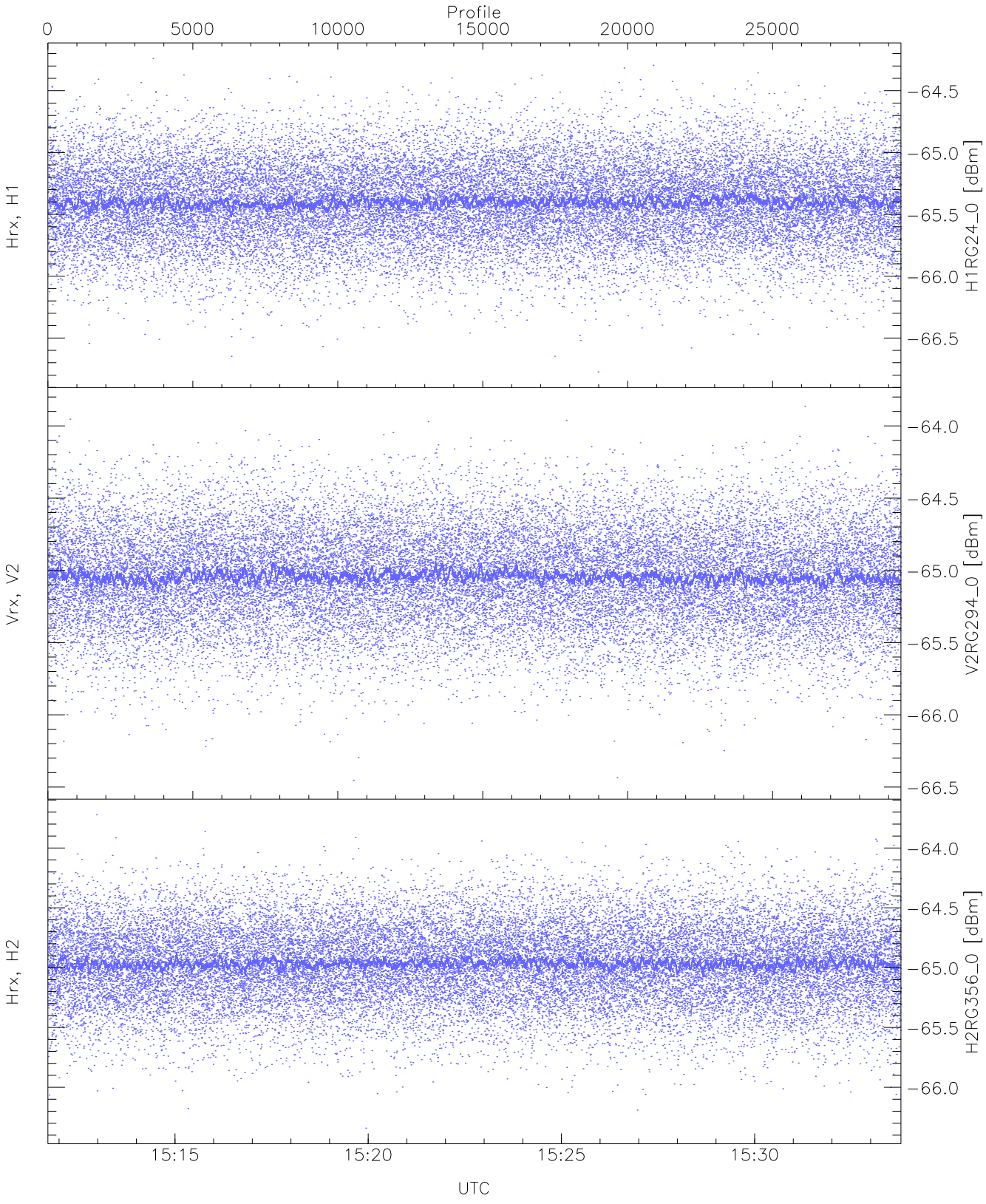
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-66.01	-63.52	-64.75	-64.75	-76.26
Vrx, V2(HL [dBm])	-66.26	-63.67	-64.80	-64.81	-76.29
Hrx, H2(HL [dBm])	-66.14	-63.58	-64.74	-64.75	-76.24



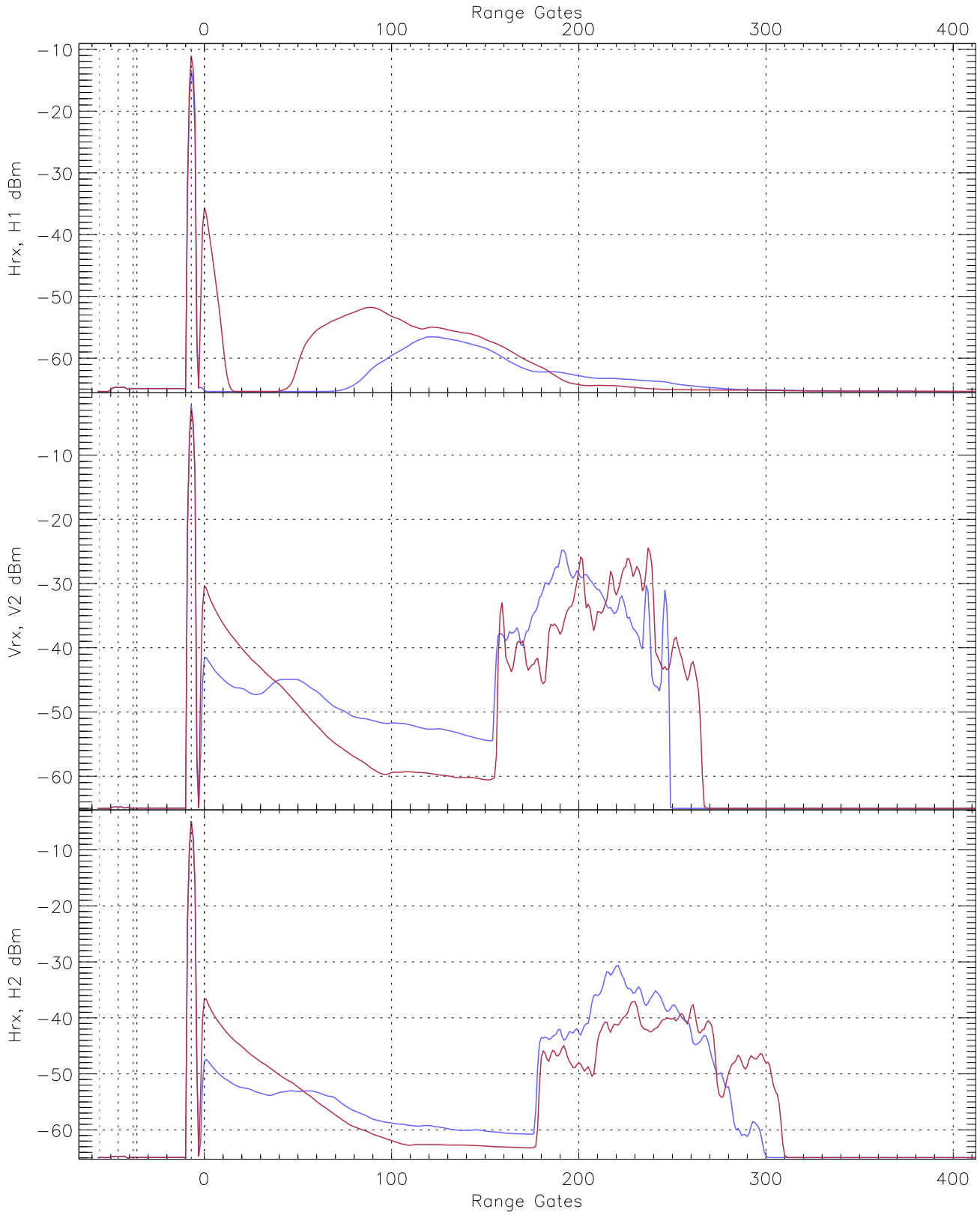
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.88	-64.27	-65.39	-65.40	-76.89
Vrx, V2(RM [dBm])	-66.34	-63.79	-65.04	-65.05	-76.54
Hrx, H2(RM [dBm])	-66.15	-63.78	-64.93	-64.94	-76.44

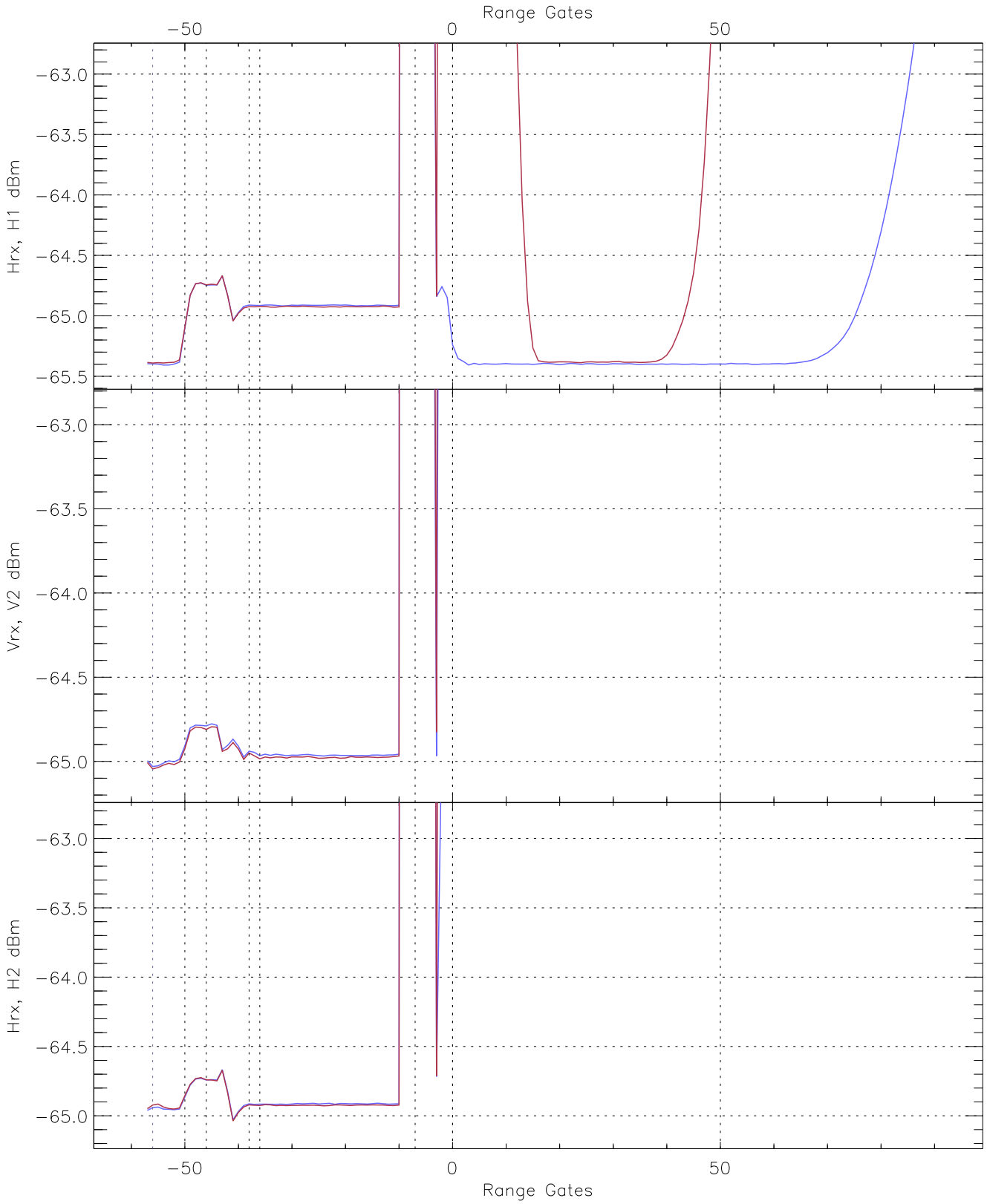


WCR3 CPP "Best" estimate Receivers Noise Power

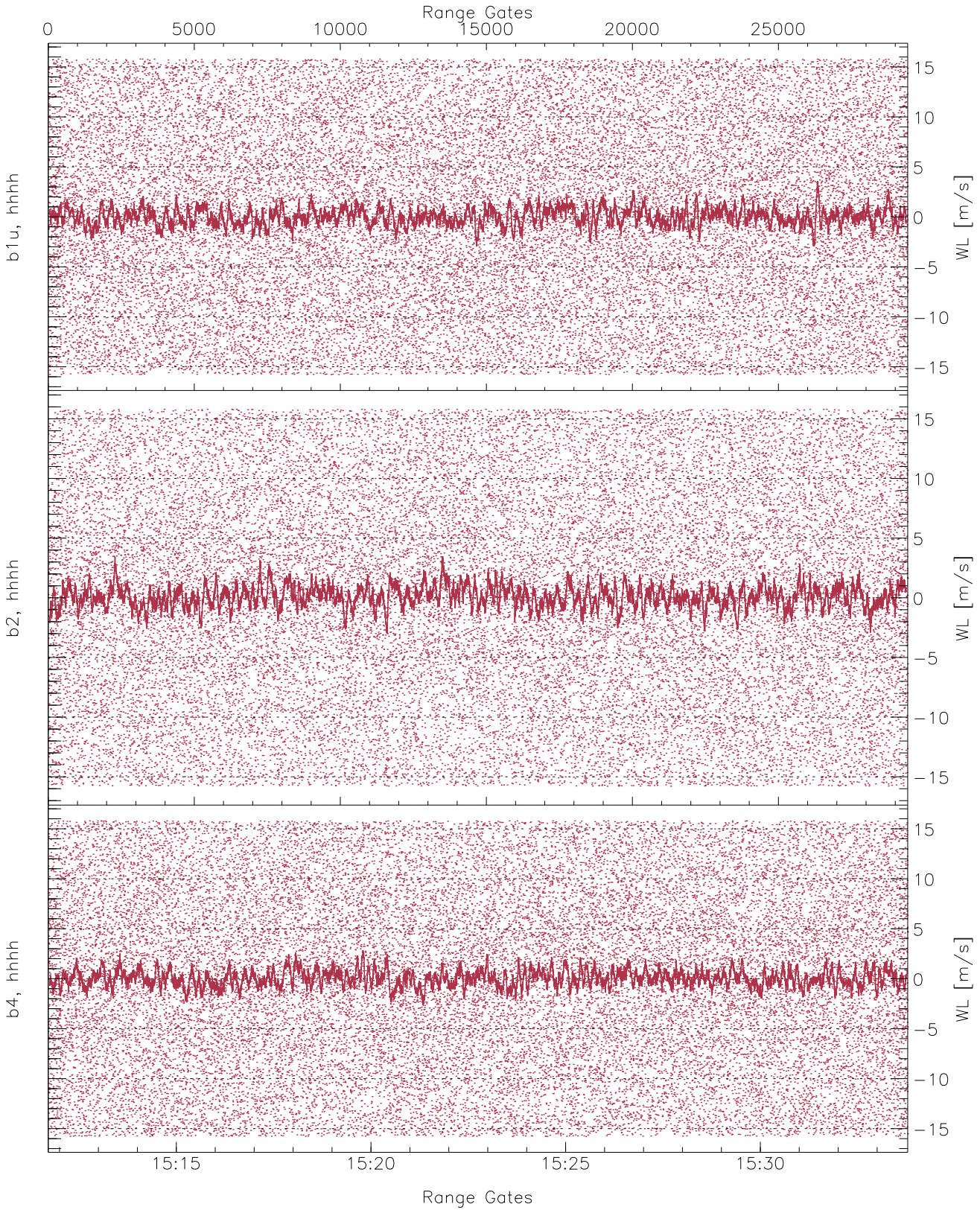
	Min	Max	Mean	Median	StDev
H1RG24_0 [dBm]	-66.77	-64.24	-65.39	-65.40	-76.93
V2RG294_0 [dBm]	-66.45	-63.86	-65.04	-65.05	-76.53
H2RG356_0 [dBm]	-66.34	-63.72	-64.96	-64.97	-76.46



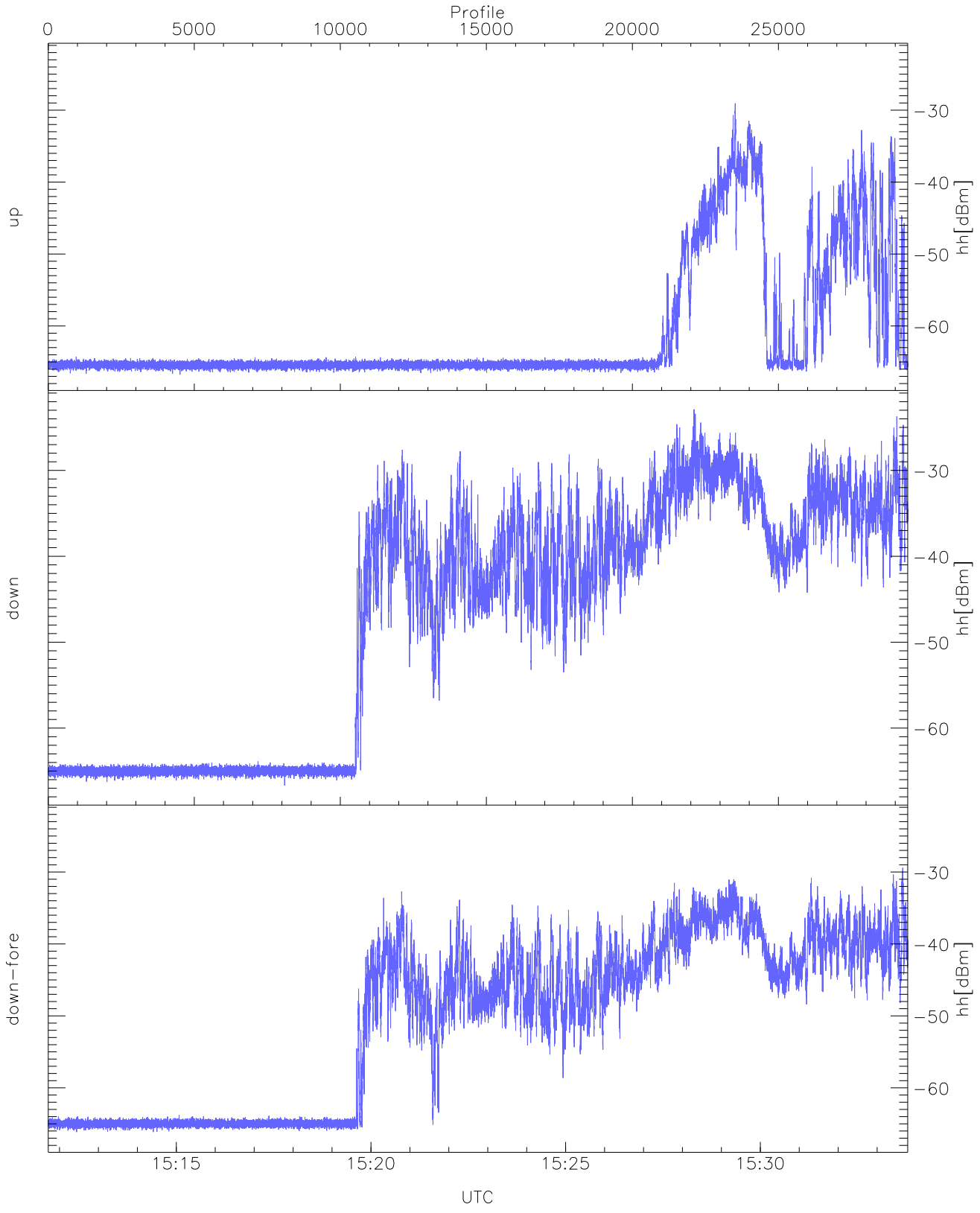
WCR3 CPP Averaged Received power for all recorded gates
blue: 151143-152245, 14715 profiles averaged
red: 152245-153347, 14714 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 151143-152245, 14715 profiles averaged
red: 152245-153347, 14714 profiles averaged

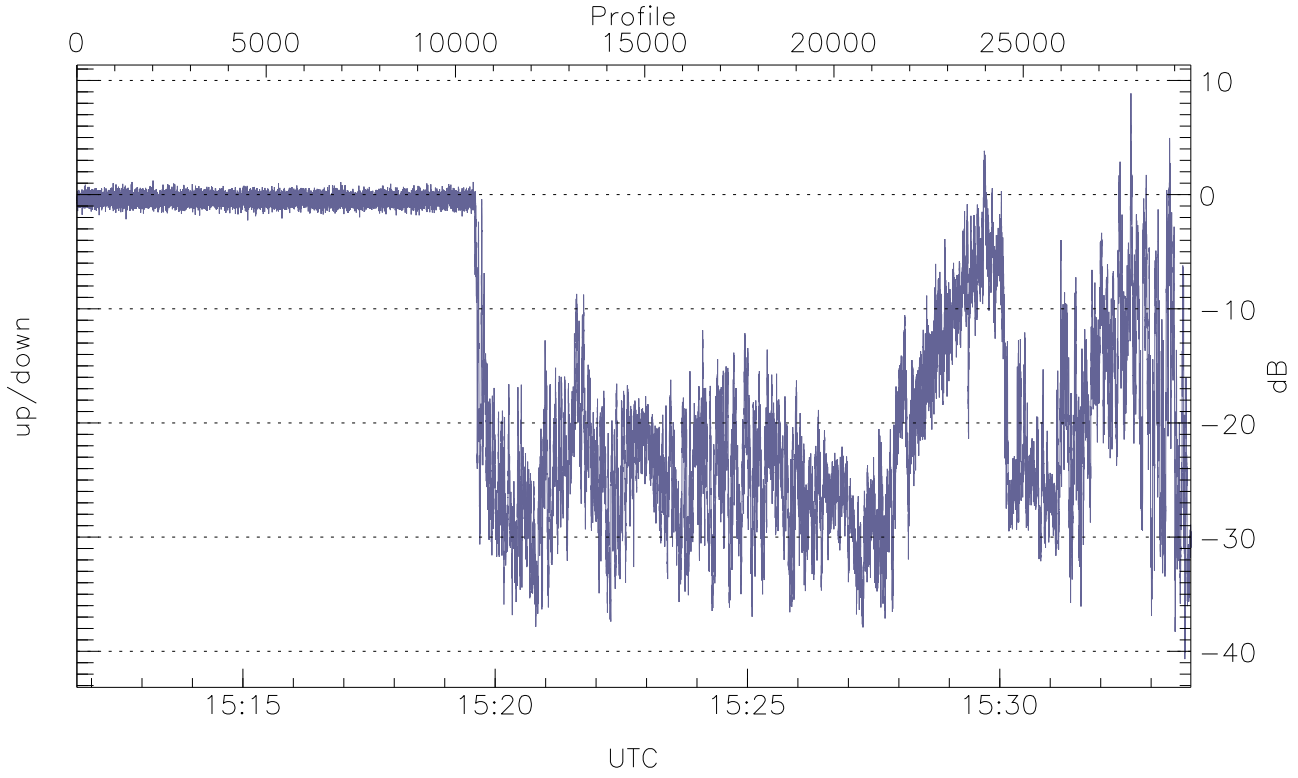


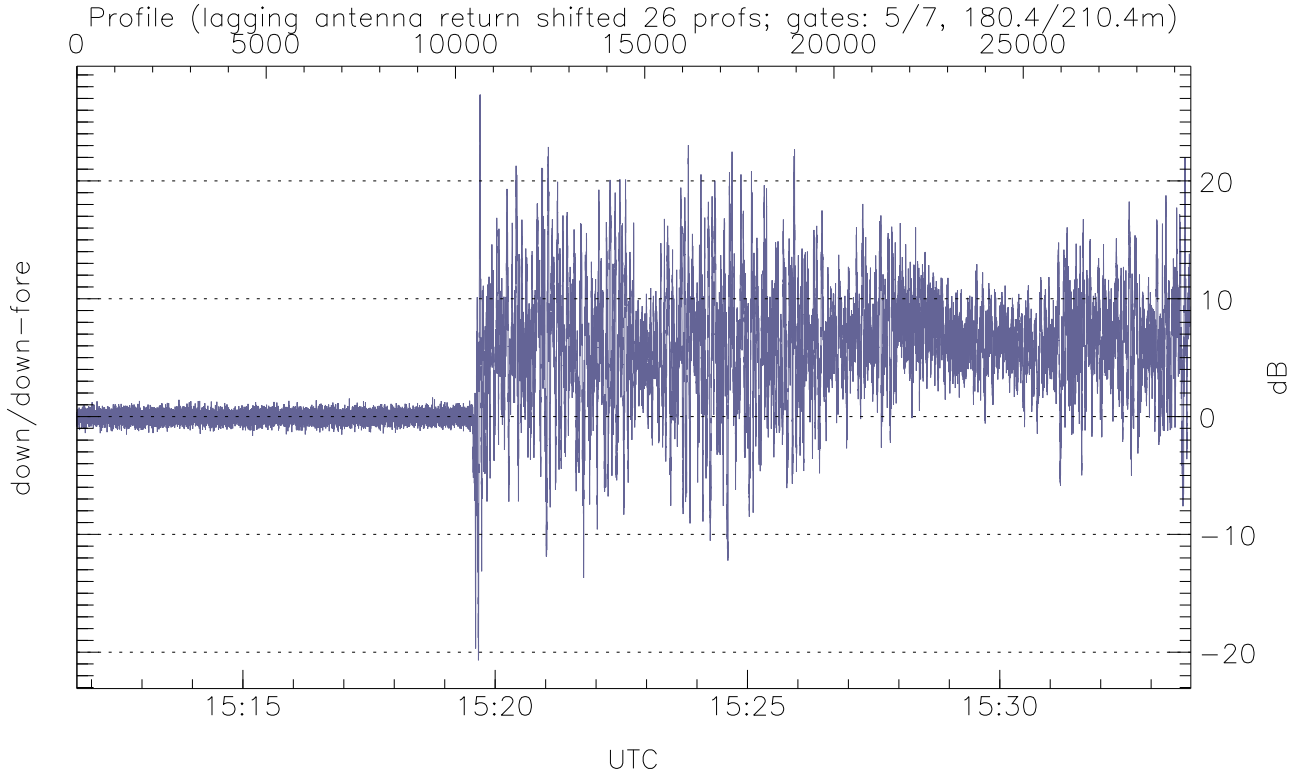
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

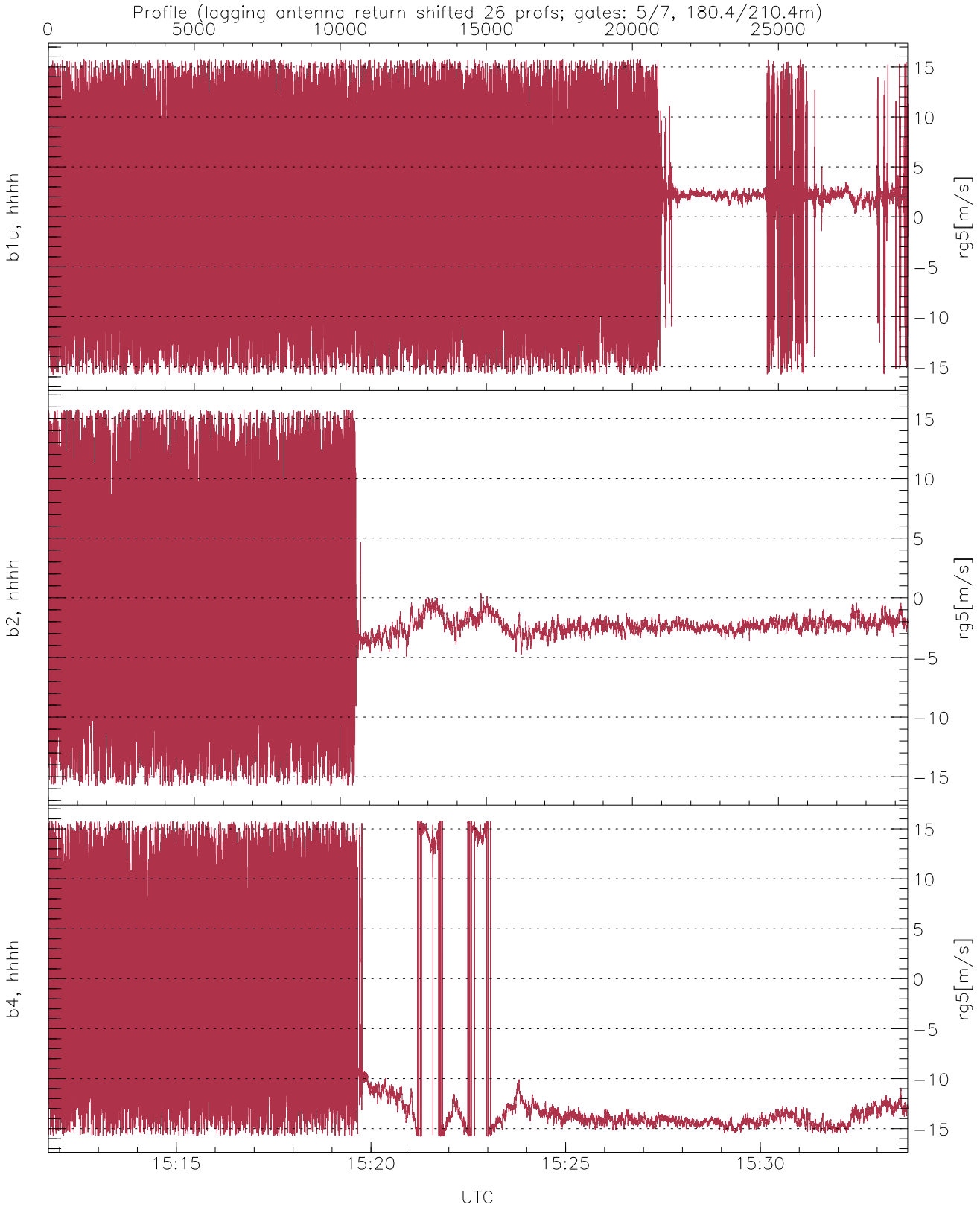
	Min	Max	Mean
up(hh[dBm])	-66.77	-29.05	-48.12
down(hh[dBm])	-66.69	-22.89	-36.17
down-fore(hh[dBm])	-66.15	-29.41	-41.98





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

	Min	Max	Mean
up/down(dB)	-40.68	8.87	-13.95
down/down-fore(dB)	-20.69	27.34	3.96



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	0.47	7.64
b2, hhhh(rg5[m/s])	-15.78	15.79	-1.52	5.15
b4, hhhh(rg5[m/s])	-15.79	15.79	-7.54	9.63