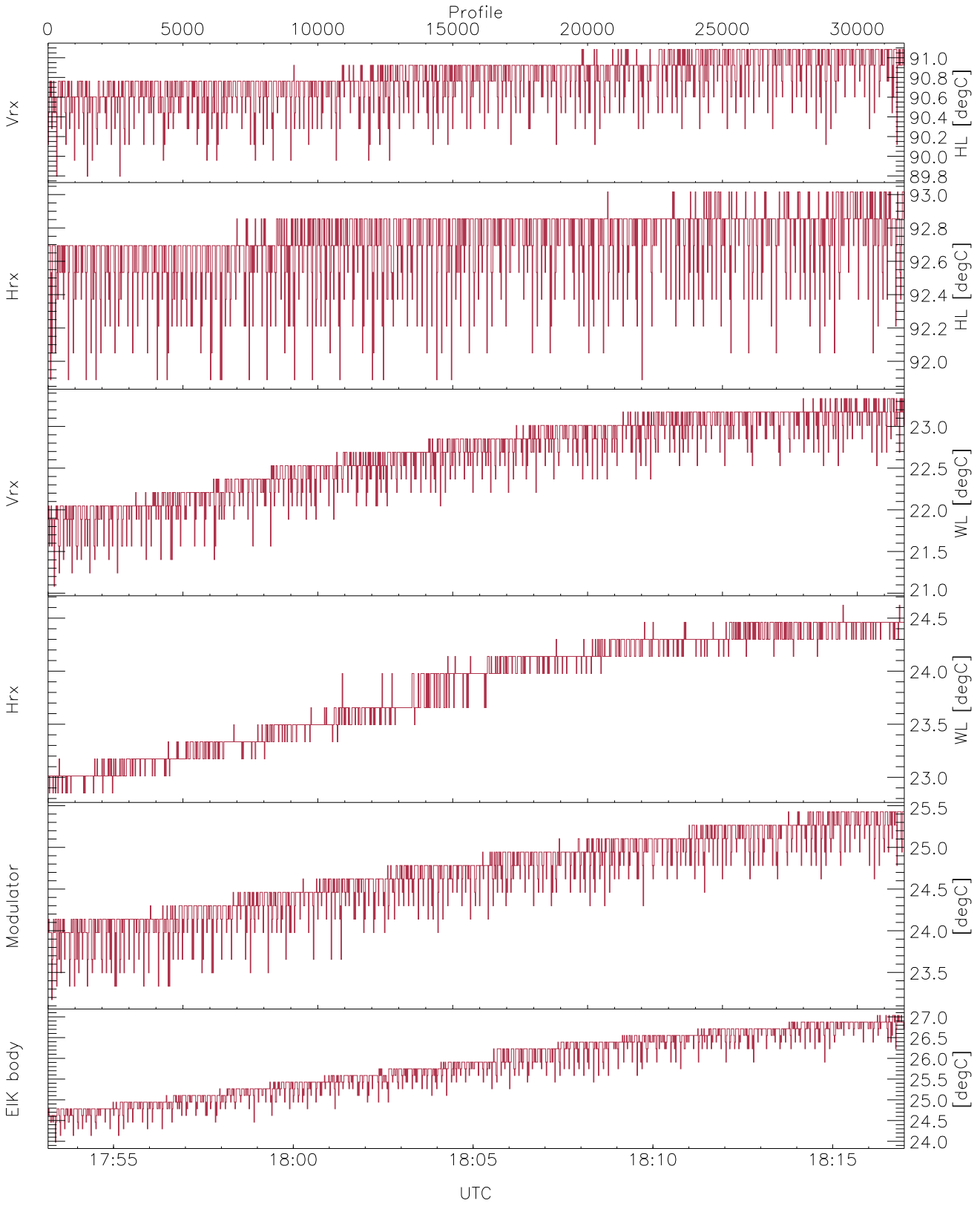
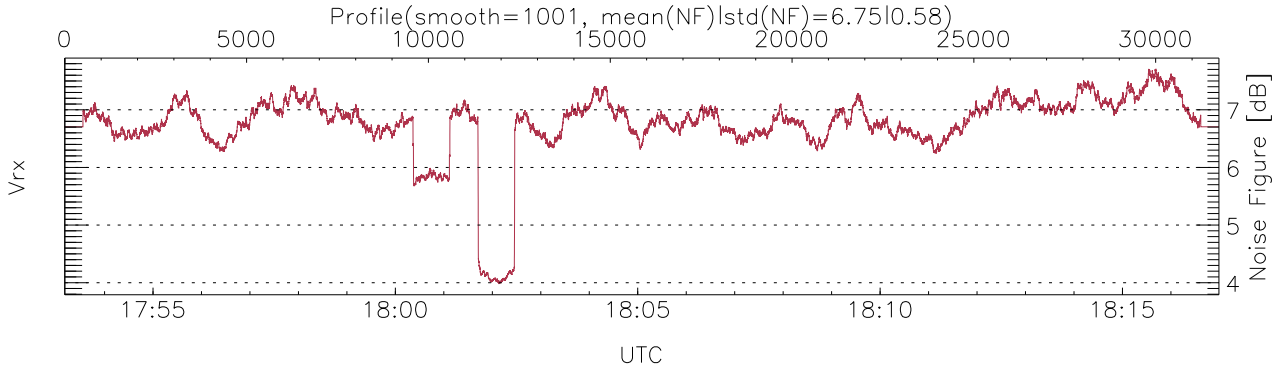
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

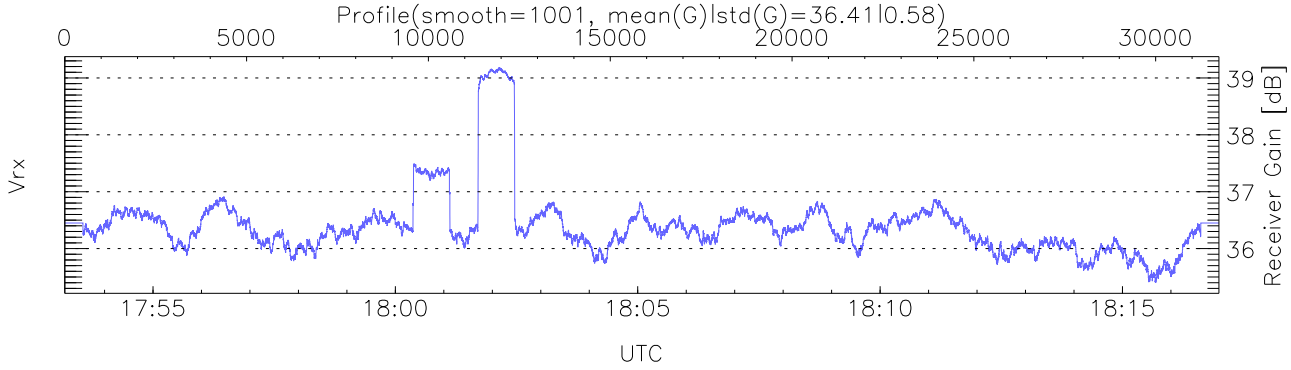
UTC: 17:53:11-18:16:59, TimeCor: 0.00s, Dur: 1428.66s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 31741/31741, 0-31740/17:53:11-18:16:59
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: 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

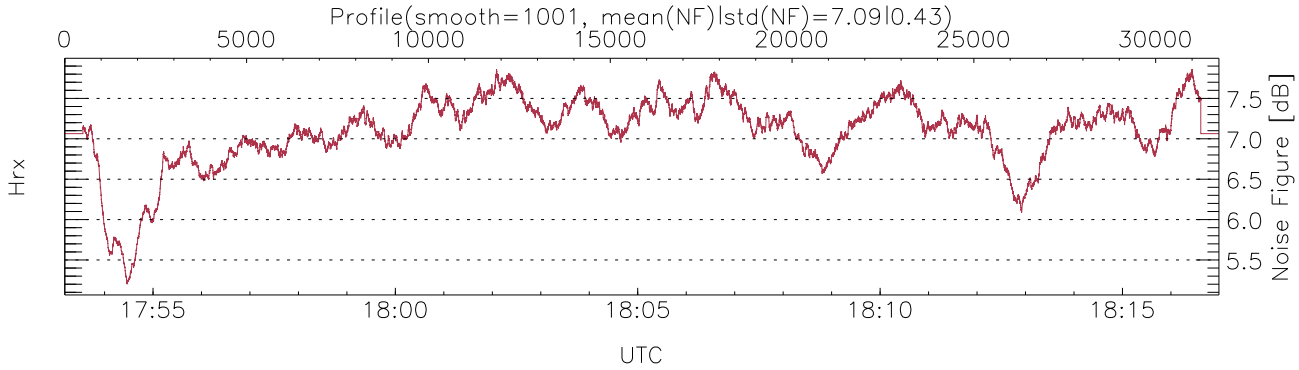


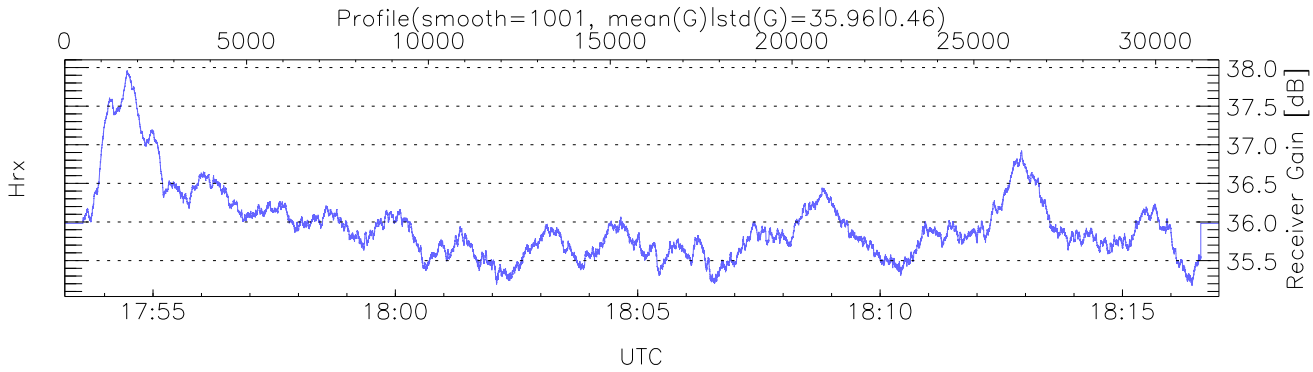
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 89,91,21,22,23,23
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,23,24,25,27
LOalarm(20,240,2817,14861 MHz): 0,0,22,0
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (88,66,88,110,110,66)



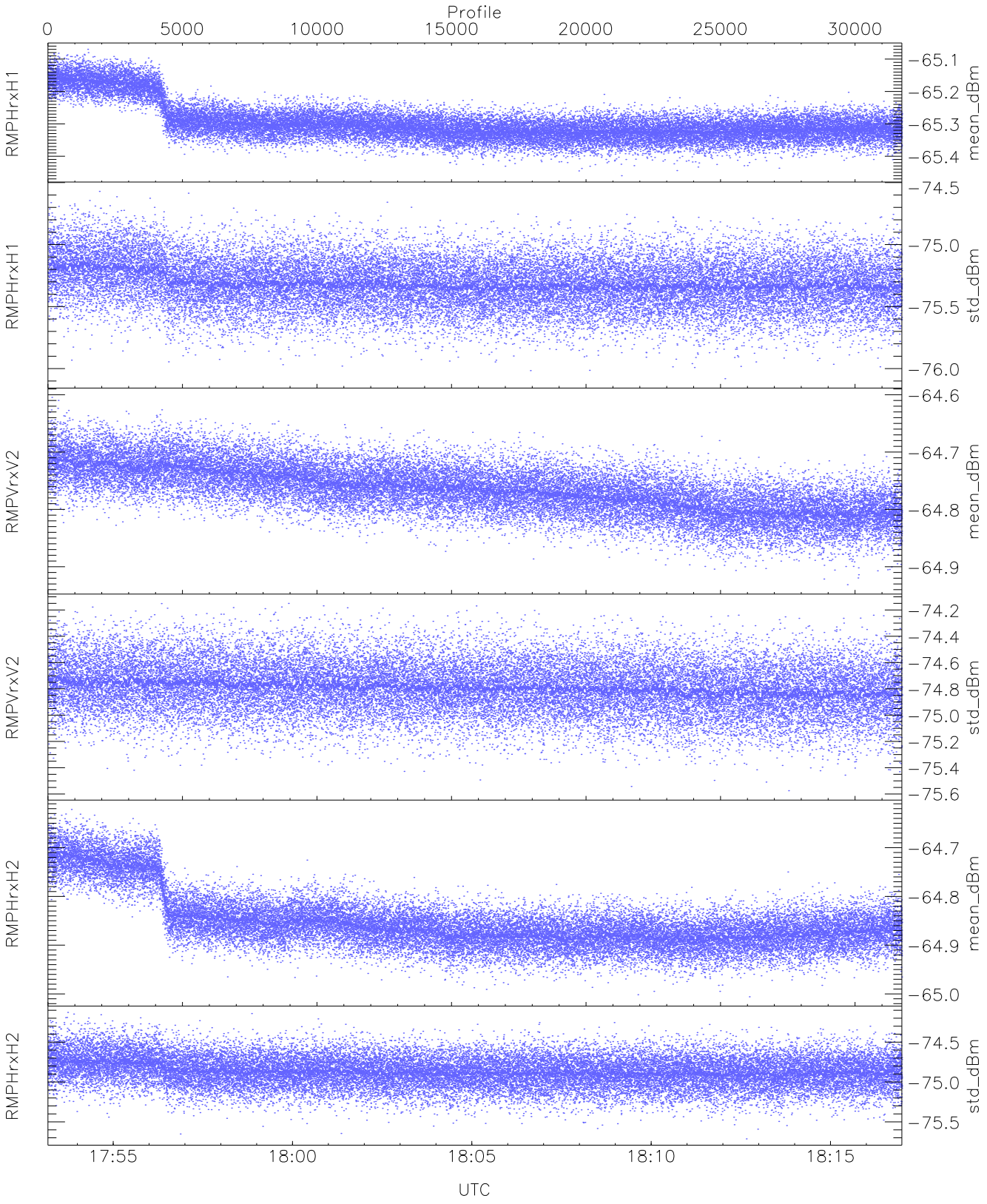






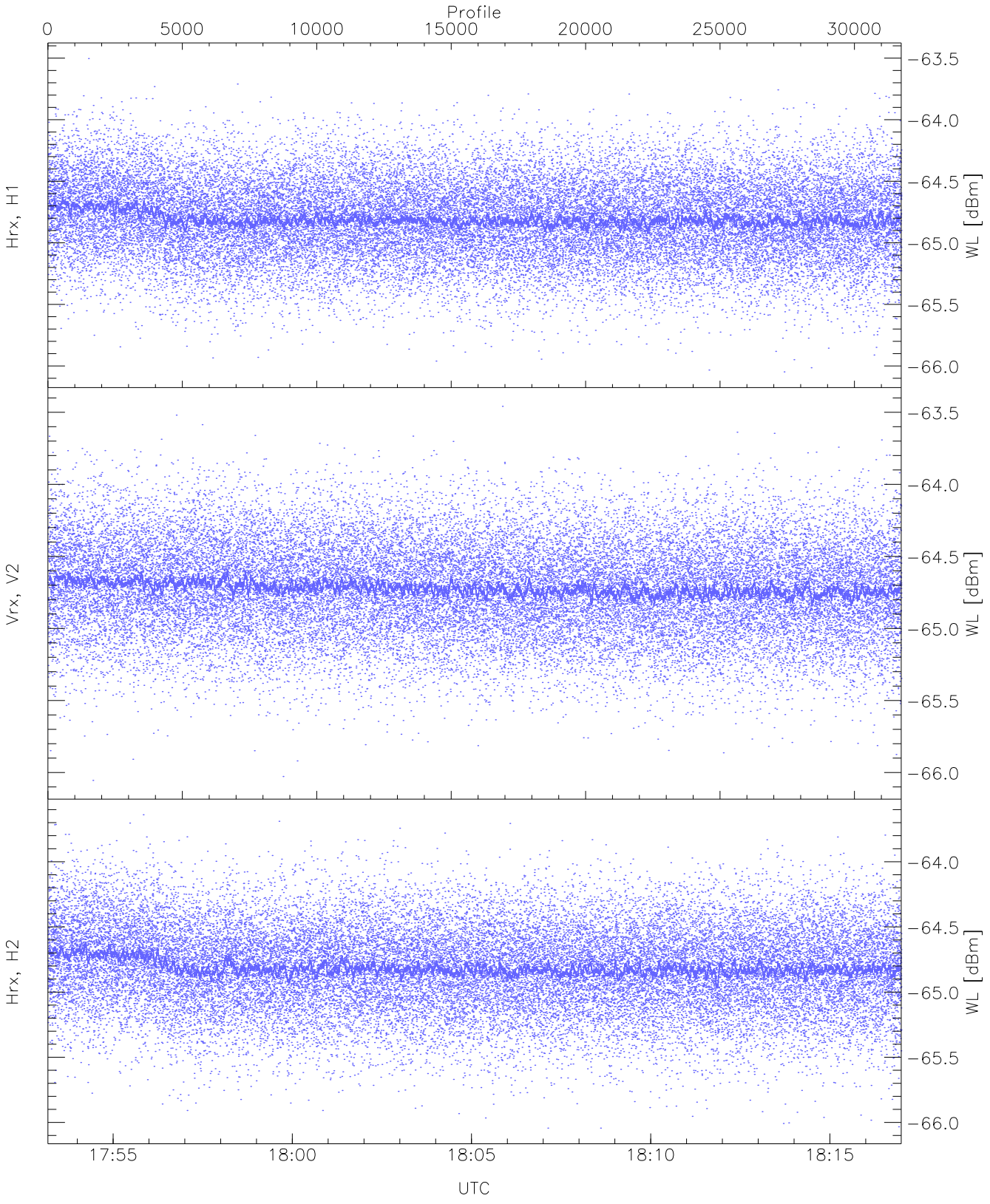
WCR3 CPP Receivers Gain and Noise Figure

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



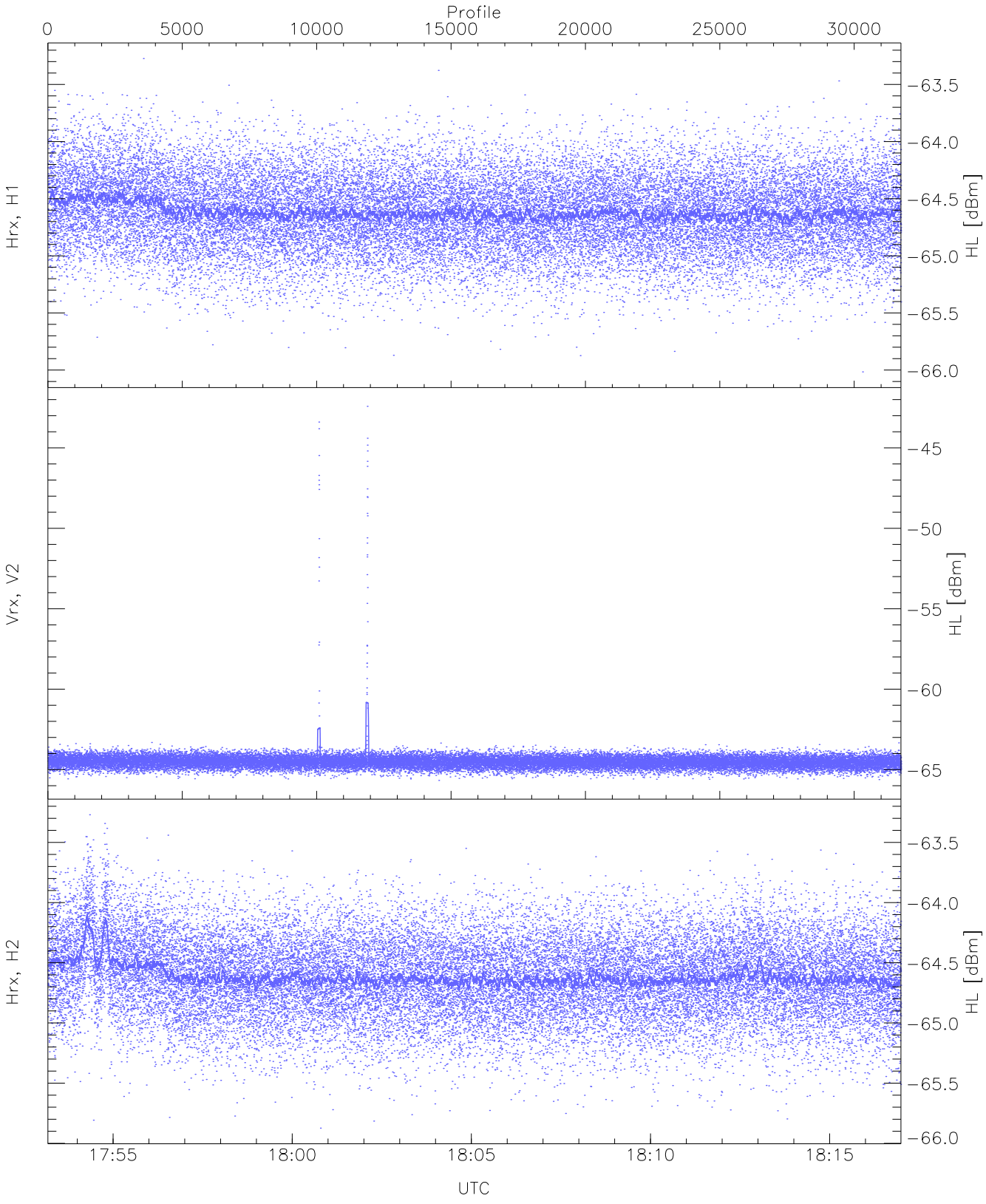
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.46	-65.07	-65.30	-65.31	-83.99
RMPHrxH1(std_dBm)	-76.08	-74.57	-75.31	-75.31	-88.93
RMPVrxV2(mean_dBm)	-64.93	-64.60	-64.77	-64.77	-84.86
RMPVrxV2(std_dBm)	-75.58	-74.15	-74.79	-74.79	-88.50
RMPHrxH2(mean_dBm)	-65.01	-64.62	-64.85	-64.86	-83.52
RMPHrxH2(std_dBm)	-75.71	-74.13	-74.86	-74.87	-88.49



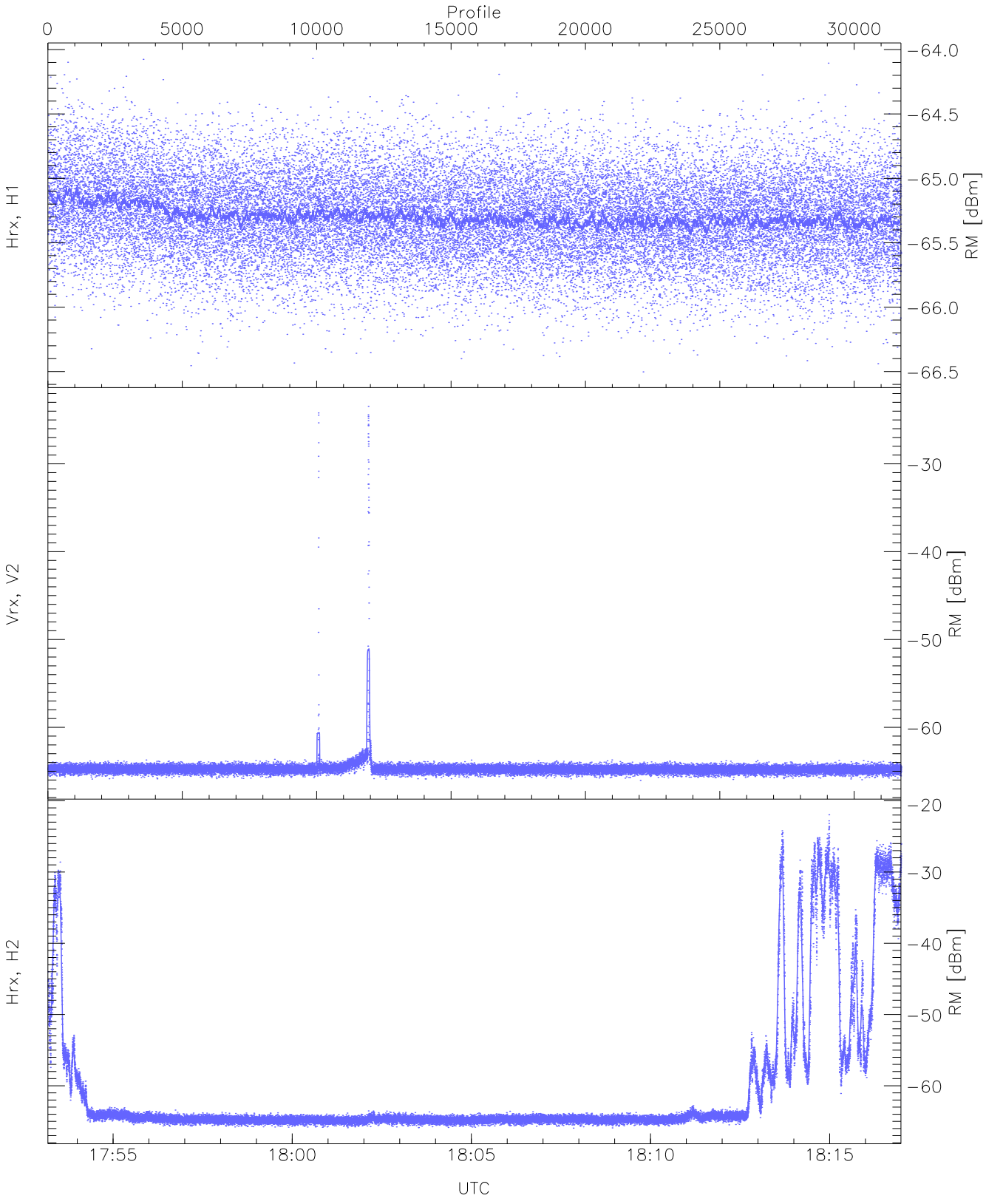
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.05	-63.50	-64.80	-64.81	-76.29
Vrx, V2(WL [dBm])	-66.05	-63.46	-64.71	-64.72	-76.18
Hrx, H2(WL [dBm])	-66.04	-63.64	-64.81	-64.81	-76.26



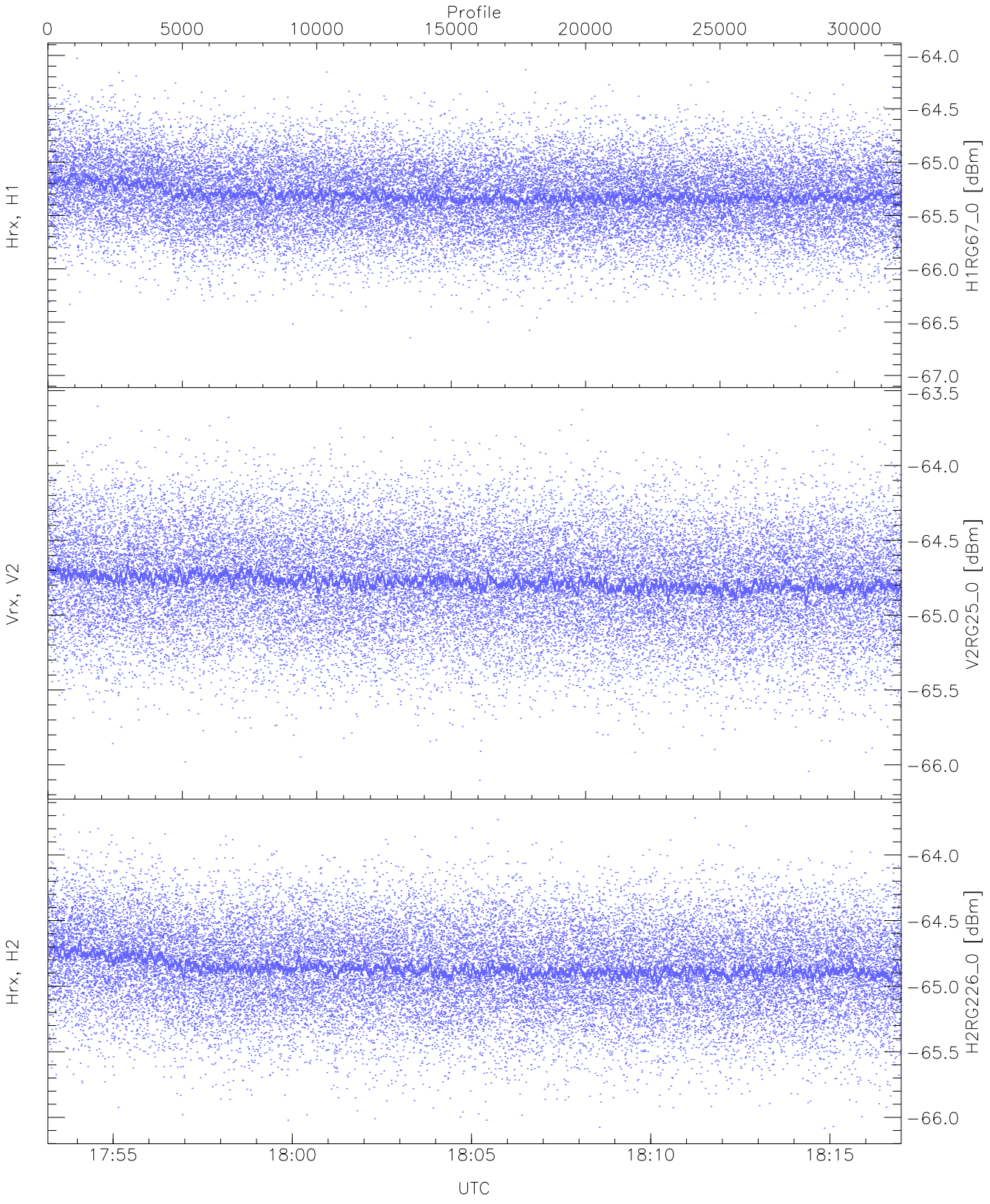
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-66.02	-63.27	-64.61	-64.62	-76.05
Vrx, V2(HL [dBm])	-65.67	-42.41	-64.31	-64.52	-61.60
Hrx, H2(HL [dBm])	-65.87	-63.27	-64.61	-64.62	-75.99



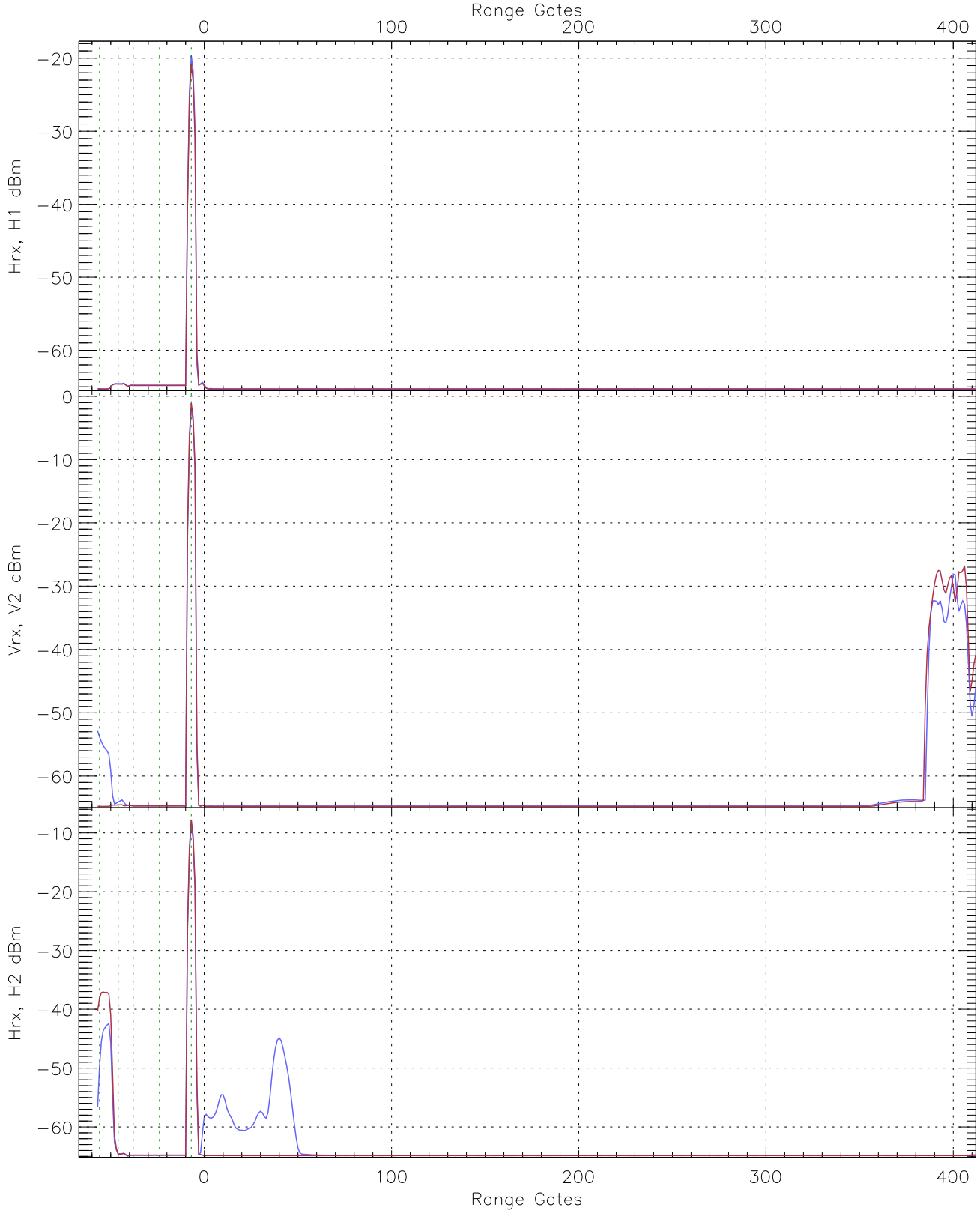
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.50	-64.07	-65.29	-65.30	-76.76
Vrx, V2(RM [dBm])	-66.04	-23.45	-56.48	-64.76	-41.53
Hrx, H2(RM [dBm])	-65.94	-21.97	-40.87	-64.54	-34.92

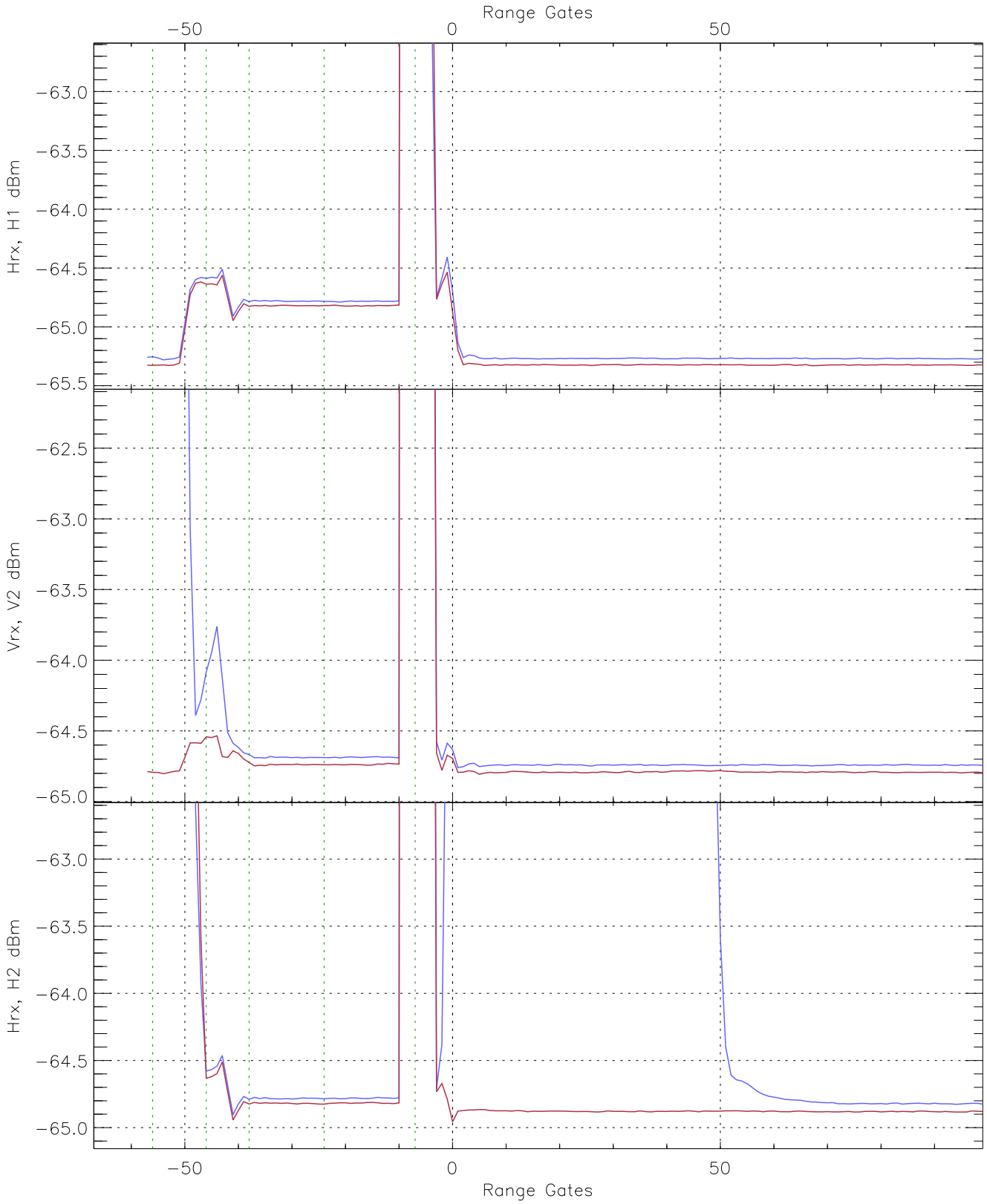


WCR3 CPP "Best" estimate Receivers Noise Power

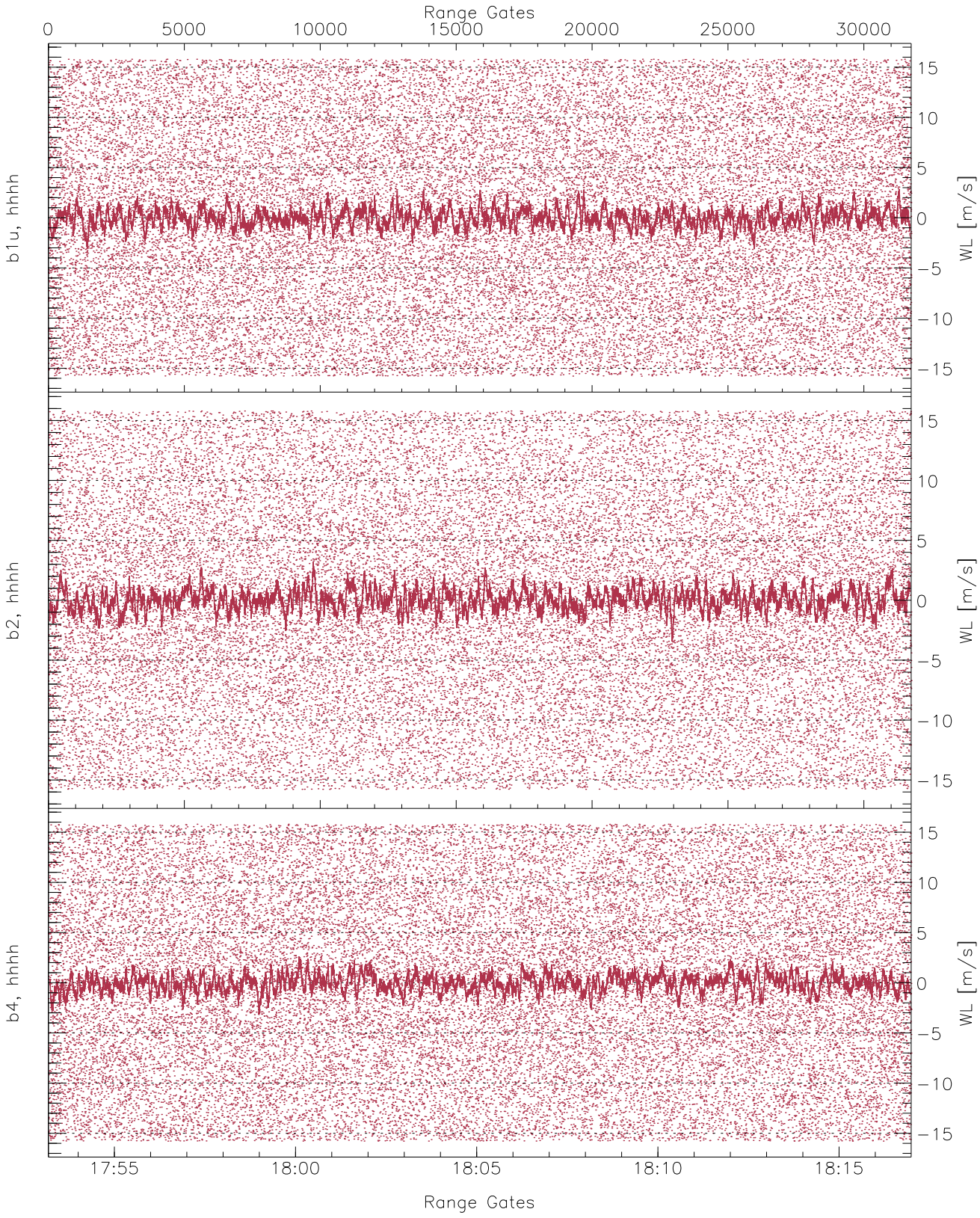
	Min	Max	Mean	Median	StDev
H1RG67_0 [dBm]	-66.97	-64.03	-65.30	-65.31	-76.74
V2RG25_0 [dBm]	-66.10	-63.60	-64.77	-64.78	-76.28
H2RG226_0 [dBm]	-66.08	-63.69	-64.86	-64.86	-76.32



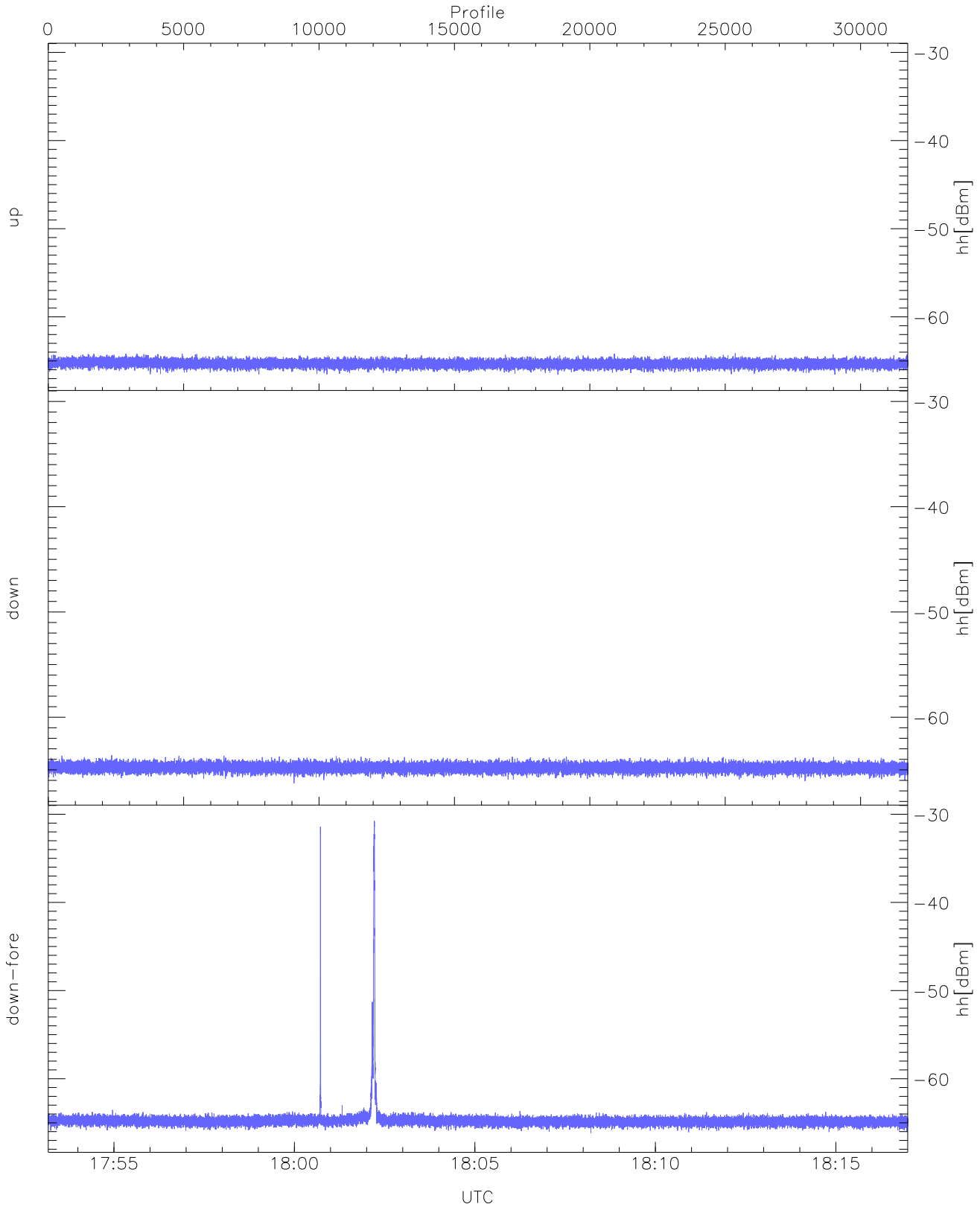
WCR3 CPP Averaged Received power for all recorded gates
blue: 175311-180505, 15871 profiles averaged
red: 180505-181659, 15871 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 175311-180505, 15871 profiles averaged
red: 180505-181659, 15871 profiles averaged

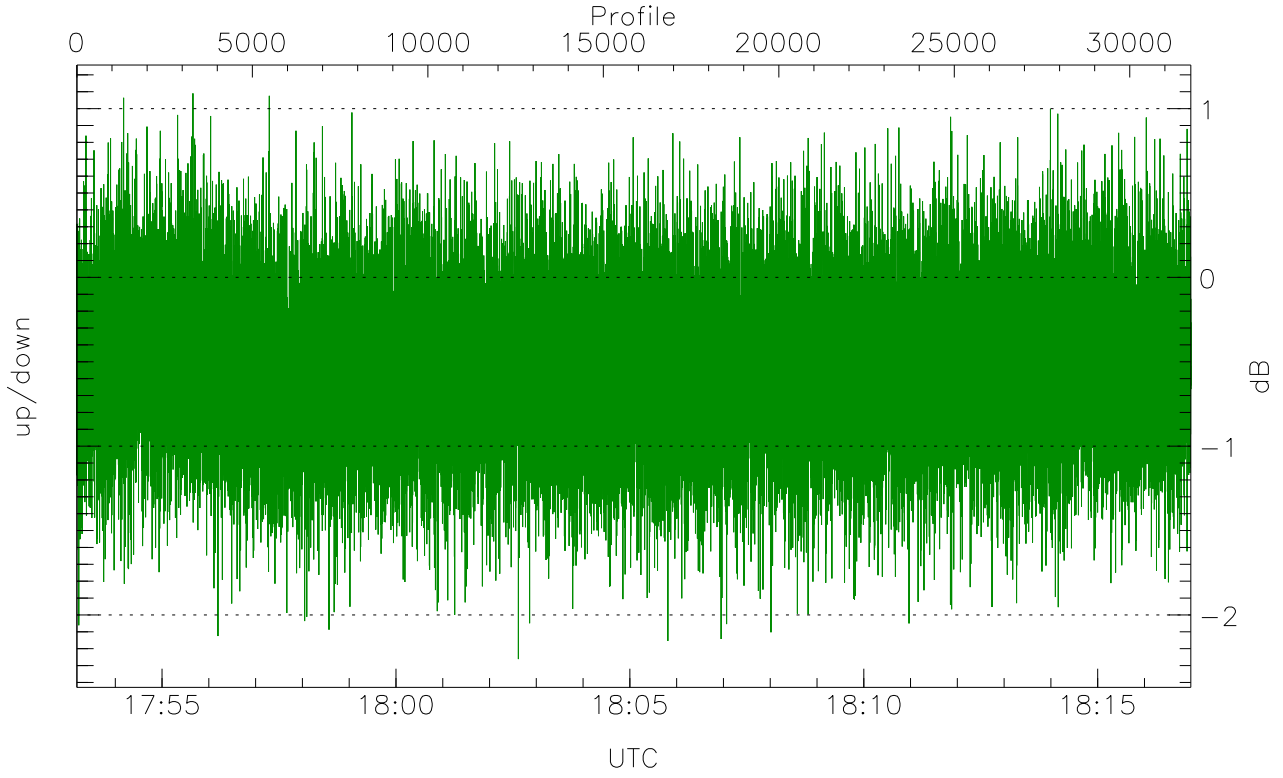


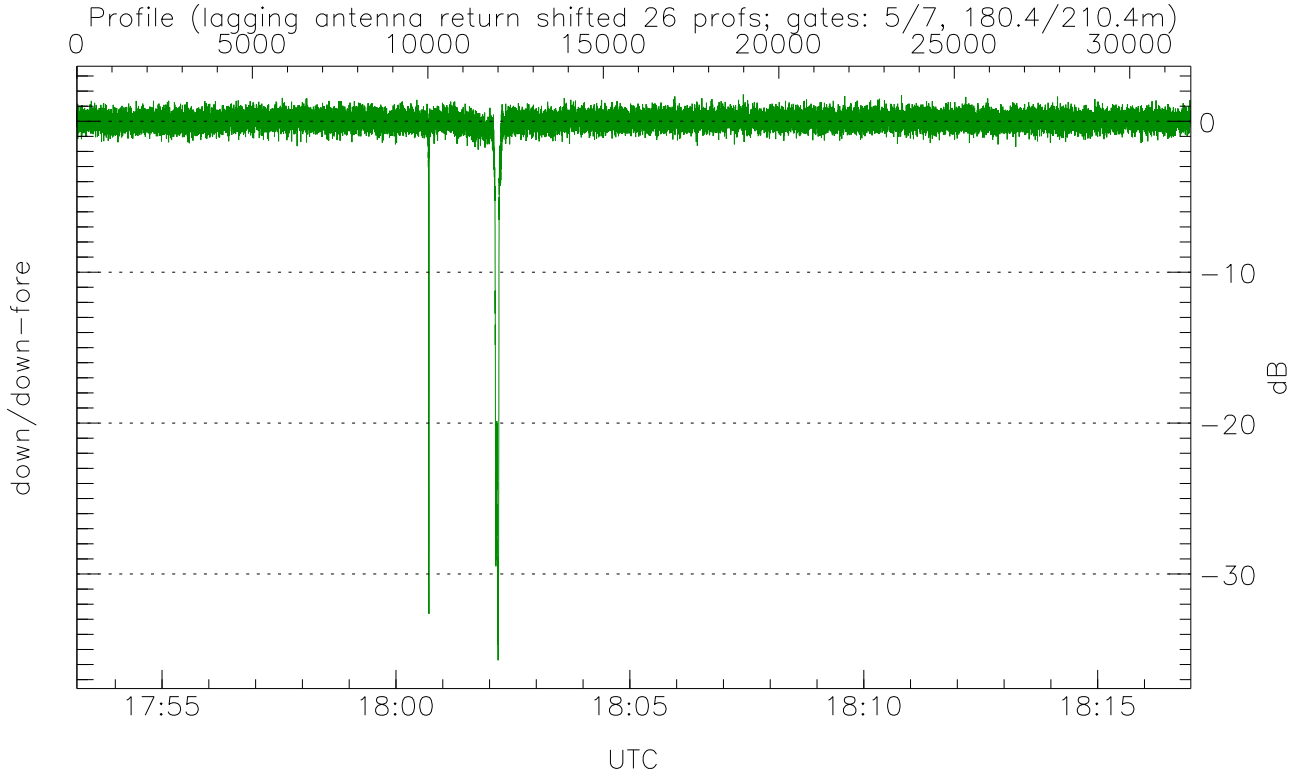
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

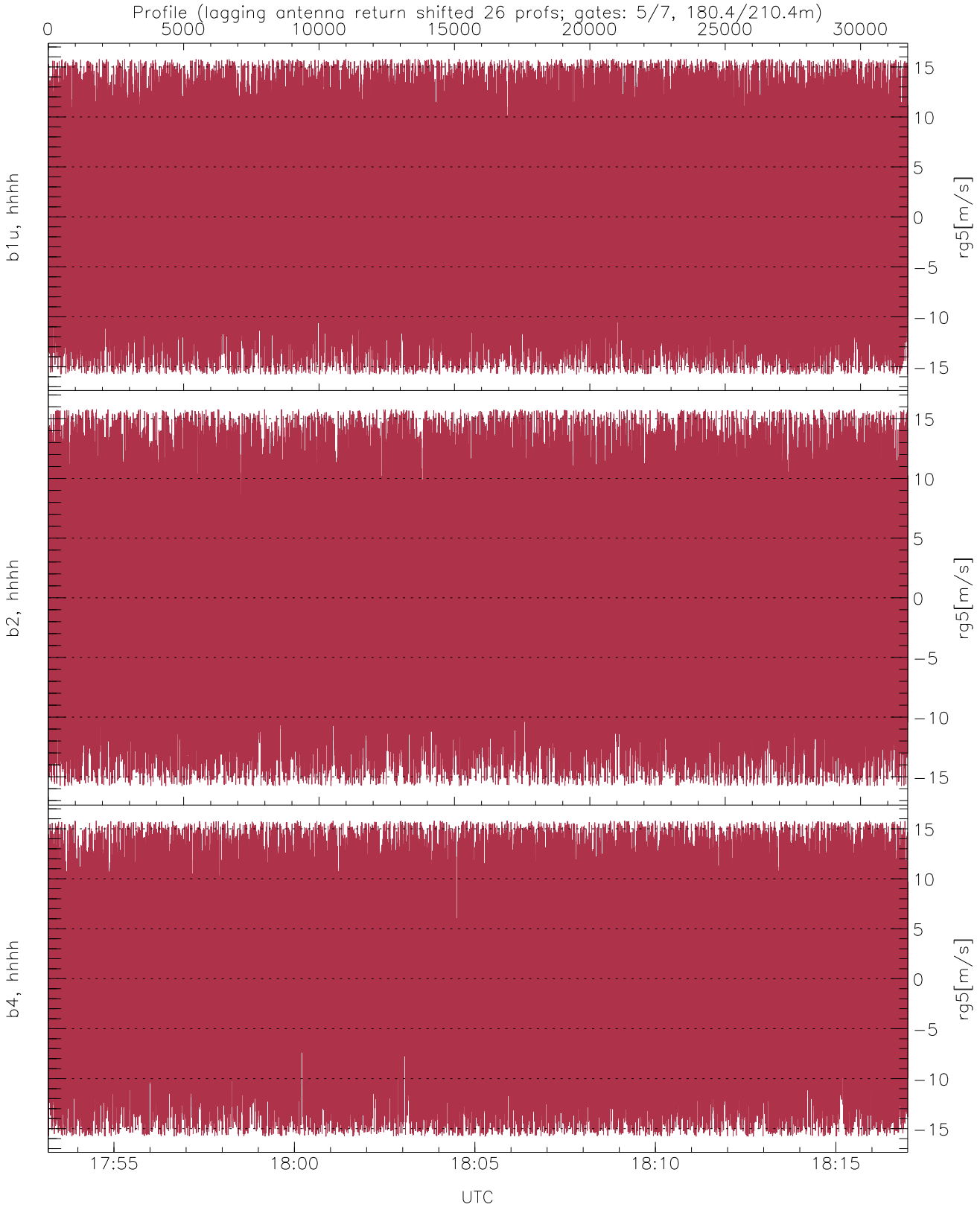
	Min	Max	Mean
up(hh[dBm])	-66.56	-64.11	-65.29
down(hh[dBm])	-66.26	-63.61	-64.78
down-fore(hh[dBm])	-66.16	-30.75	-60.40





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

	Min	Max	Mean
up/down(dB)	-2.26	1.09	-0.51
down/down-fore(dB)	-35.72	1.77	-0.08



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	0.08	8.84
b2, hhhh(rg5[m/s])	-15.78	15.79	-0.05	8.48
b4, hhhh(rg5[m/s])	-15.79	15.79	-0.00	8.88