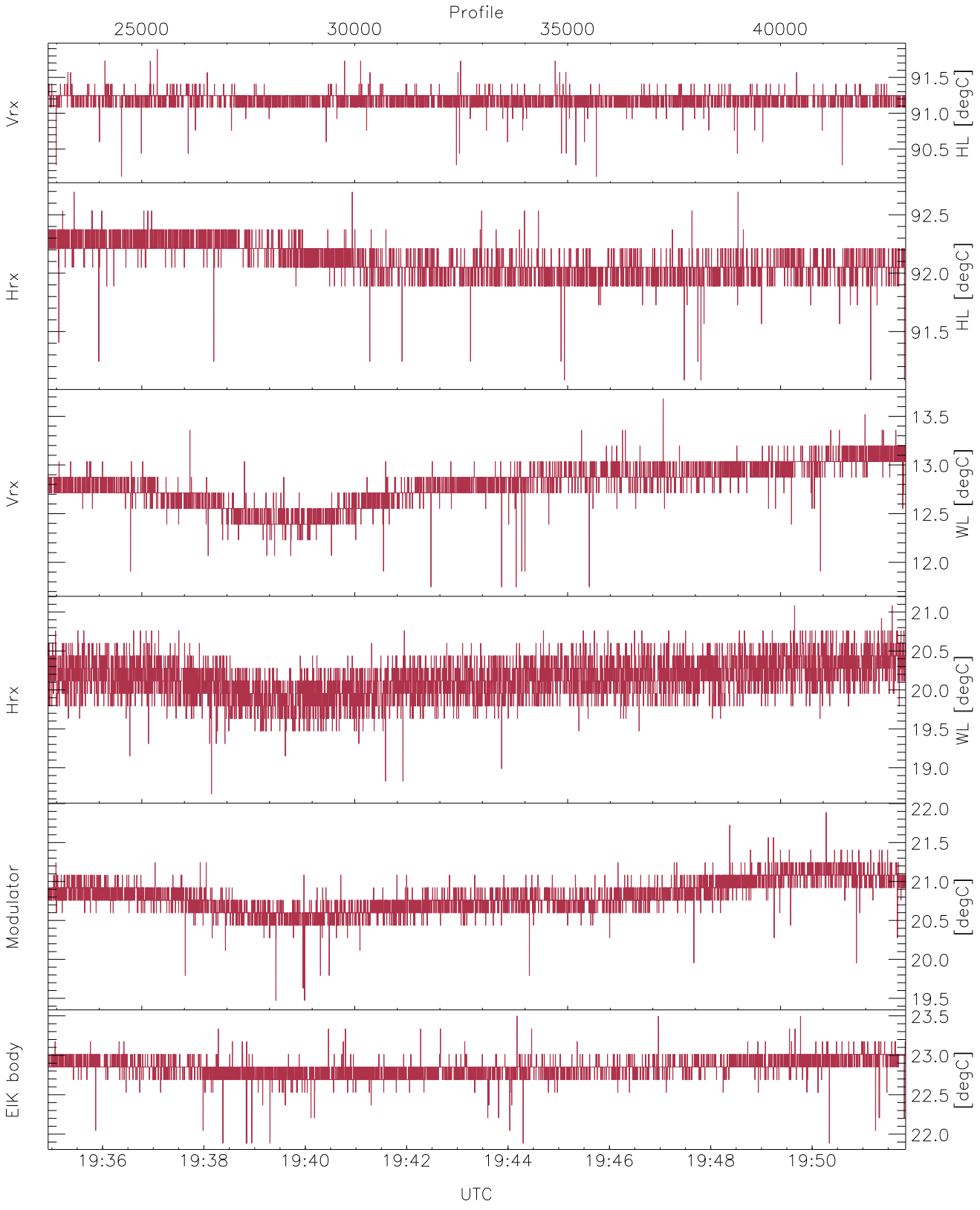
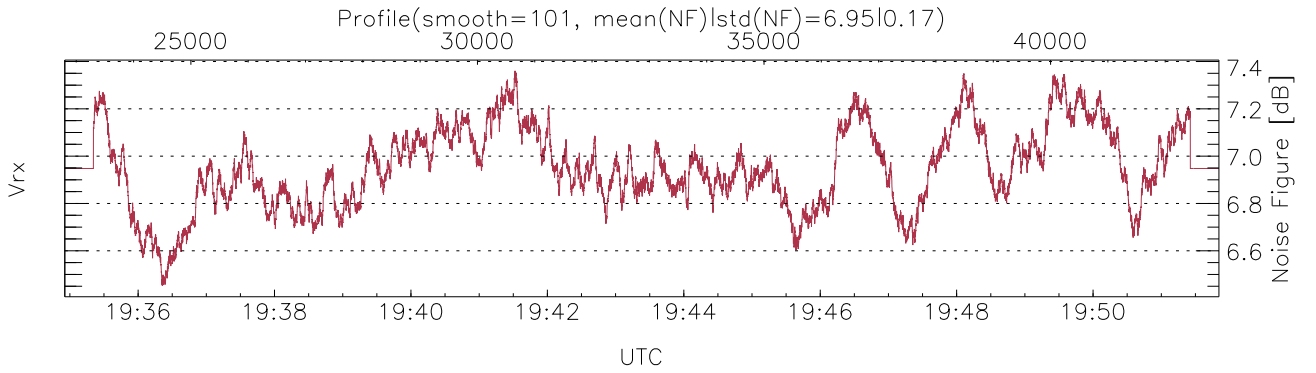
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

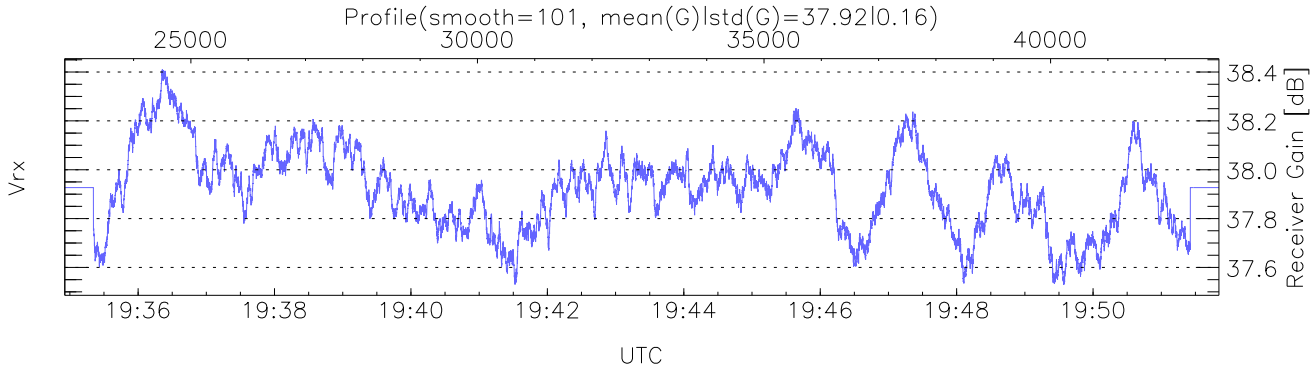
UTC: 19:15:46-19:51:51, Dur: 2164.62s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
NumRec(r/t): 20139/42939, 22800-42938/19:34:56-19:51:51
AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1

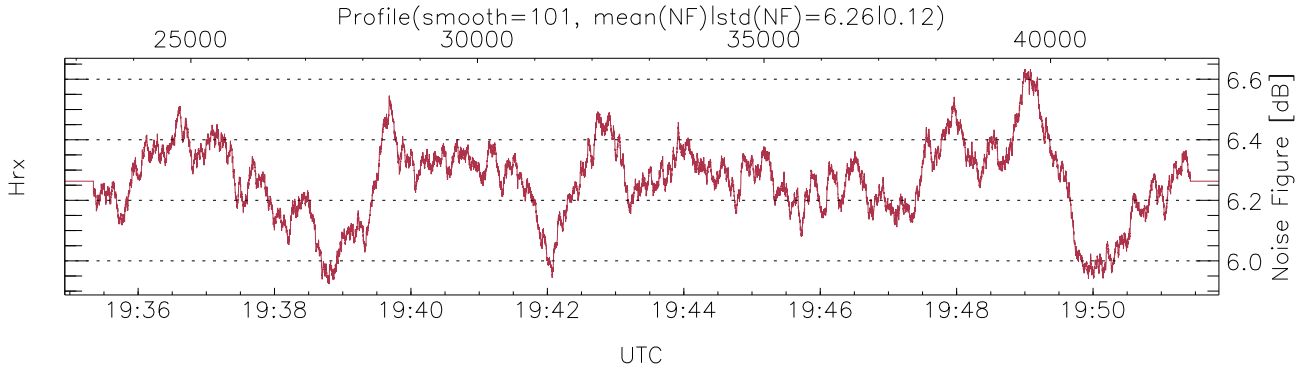


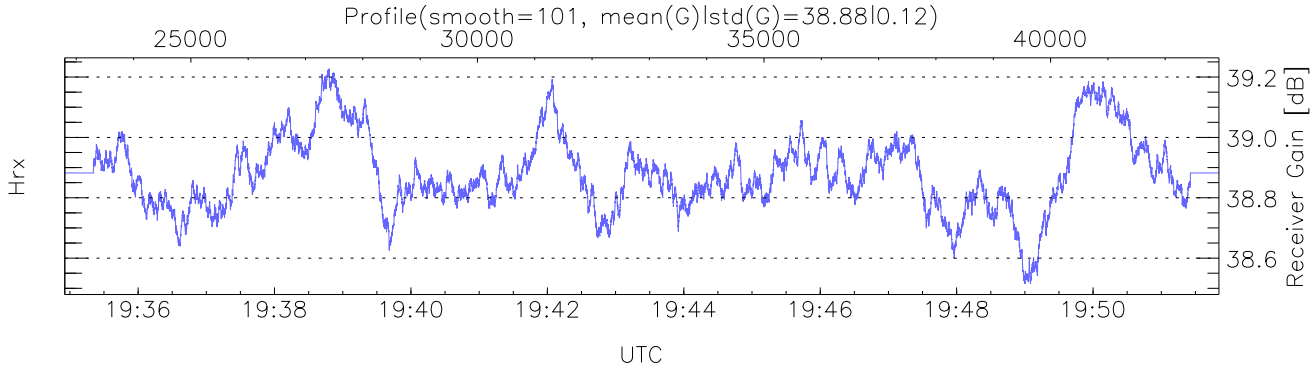
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,11,18,19,21
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,13,21,21,23
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
BodyCurr,DeckF,OverDuty (5,5,5)



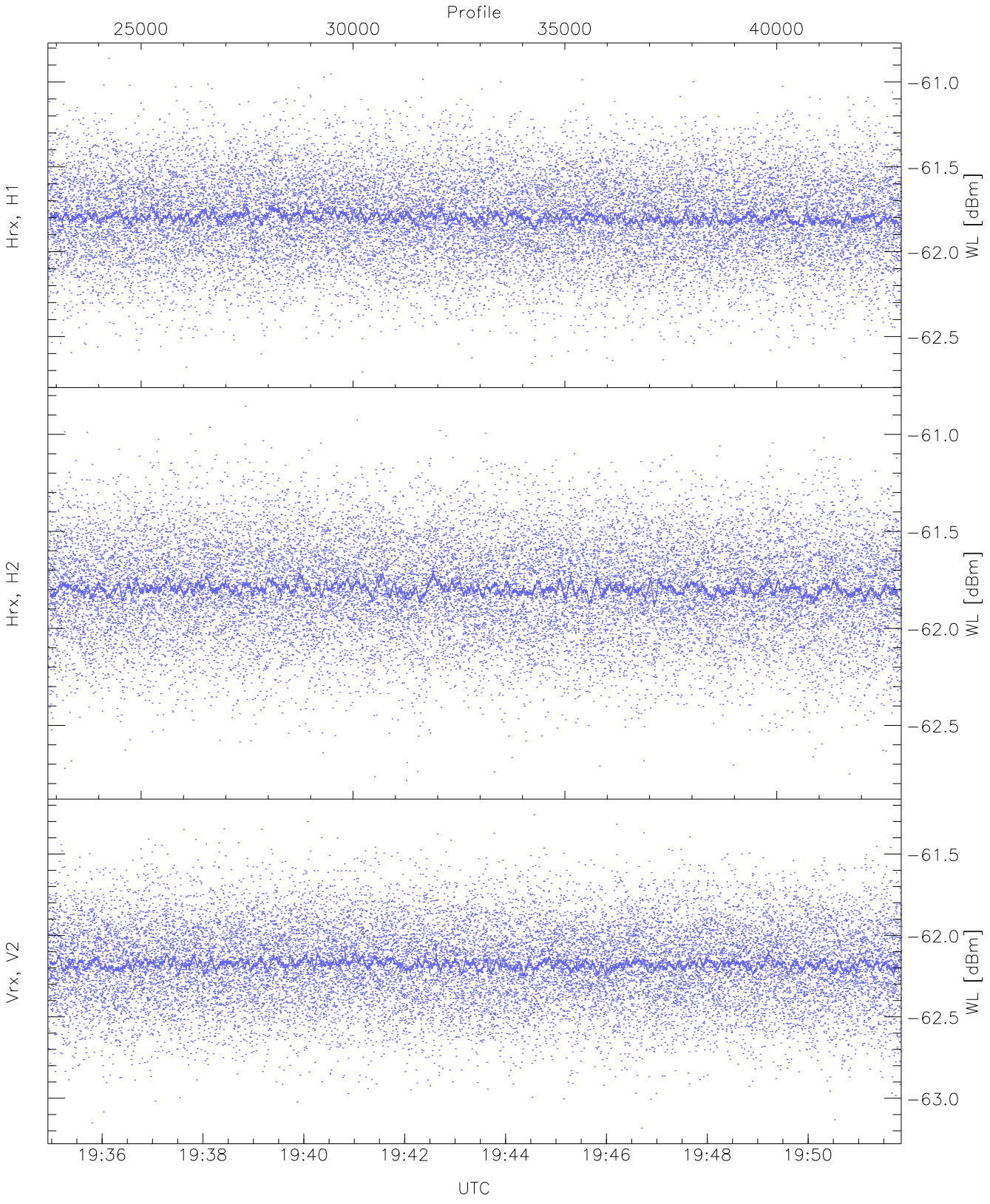






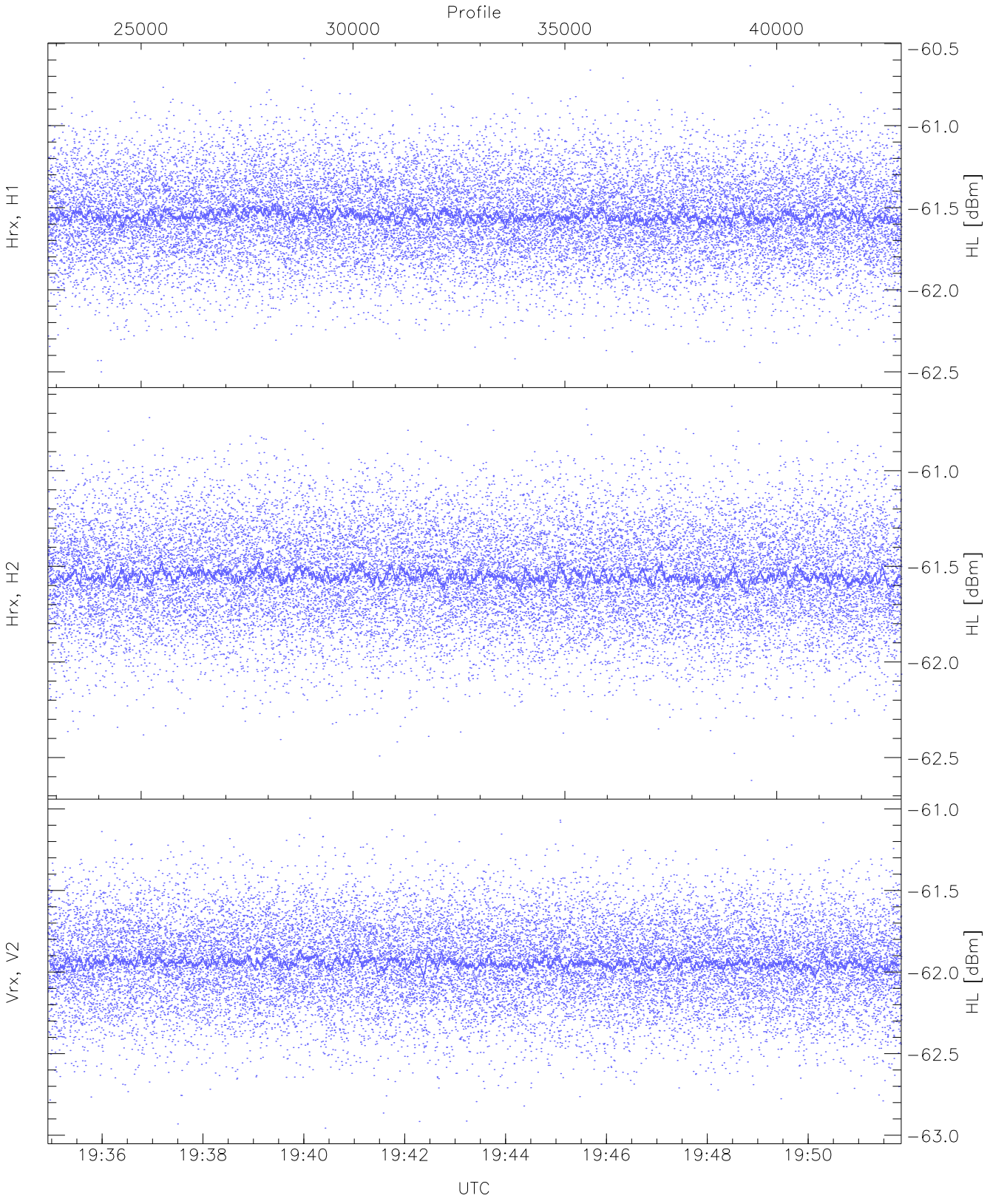
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 988 pixs, 19 gates, 959 profs, 2 prods



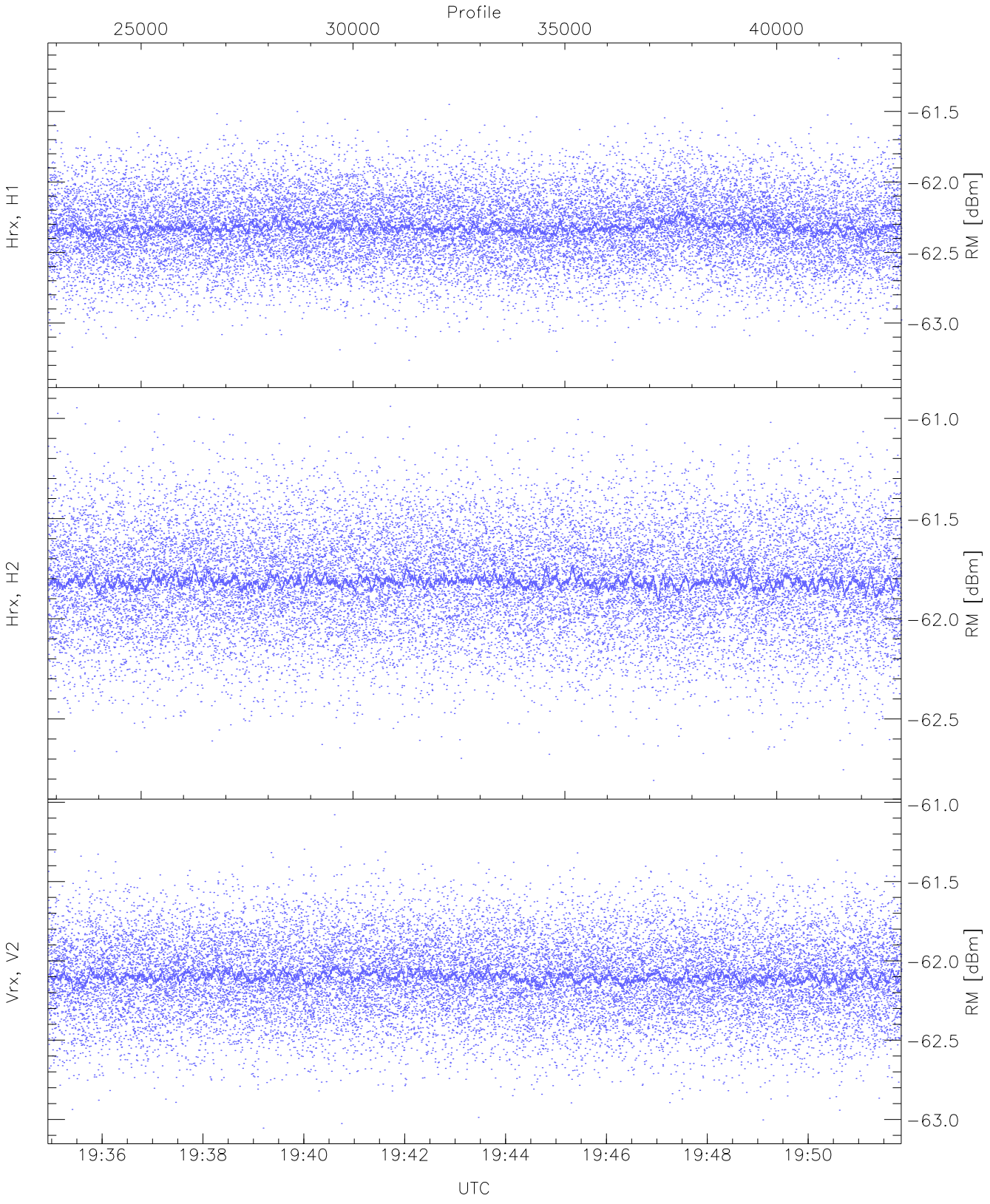
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-62.71	-60.86	-61.79	-61.80	-74.37
Hrx, H2(WL [dBm])	-62.78	-60.86	-61.79	-61.80	-74.36
Vrx, V2(WL [dBm])	-63.18	-61.26	-62.17	-62.18	-74.73



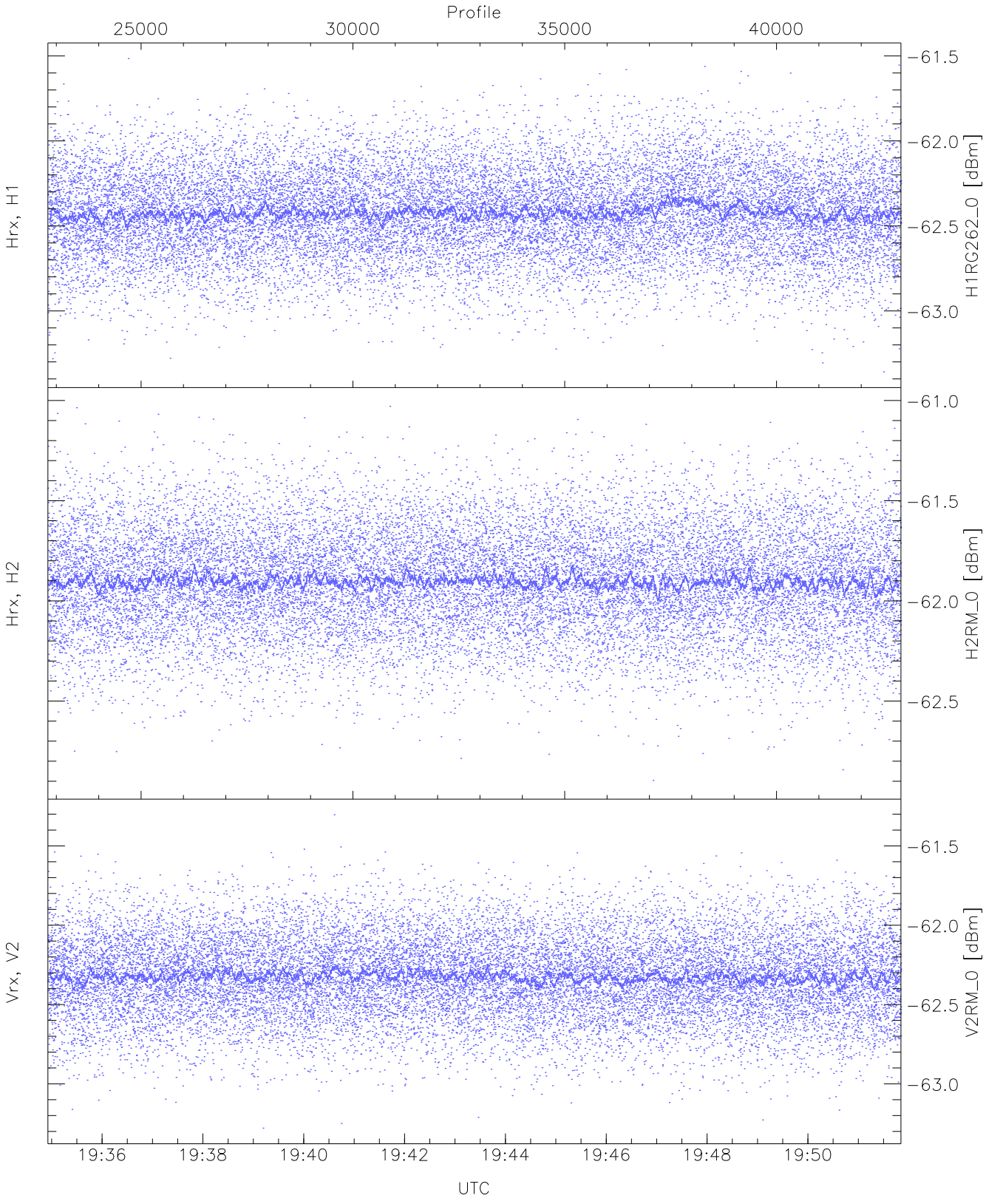
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-62.50	-60.59	-61.55	-61.55	-74.11
Hrx, H2(HL [dBm])	-62.62	-60.66	-61.55	-61.55	-74.12
Vrx, V2(HL [dBm])	-62.96	-61.04	-61.94	-61.94	-74.48



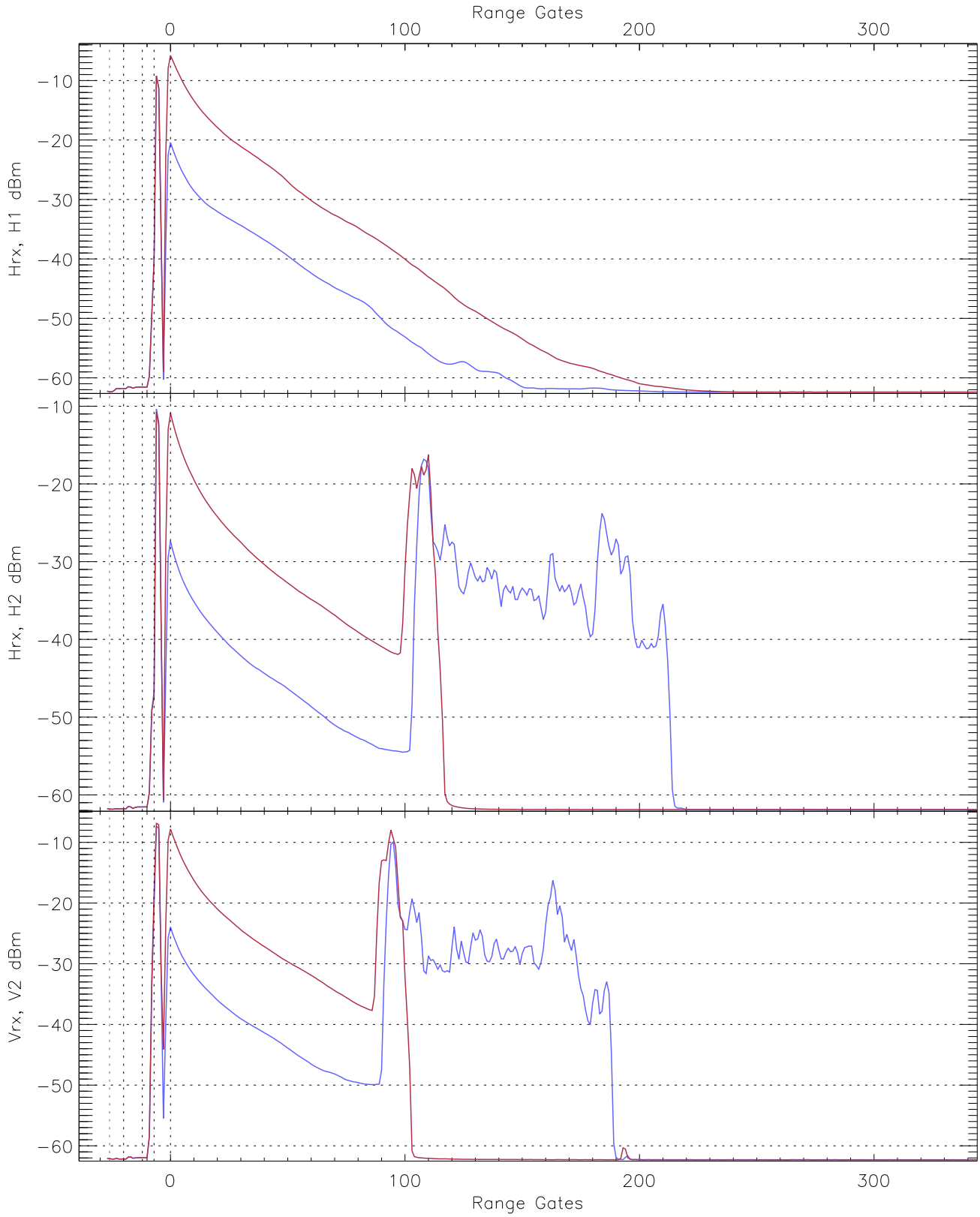
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-63.35	-61.13	-62.32	-62.32	-74.88
Hrx, H2(RM [dBm])	-62.81	-60.94	-61.81	-61.82	-74.36
Vrx, V2(RM [dBm])	-63.05	-61.08	-62.10	-62.10	-74.66

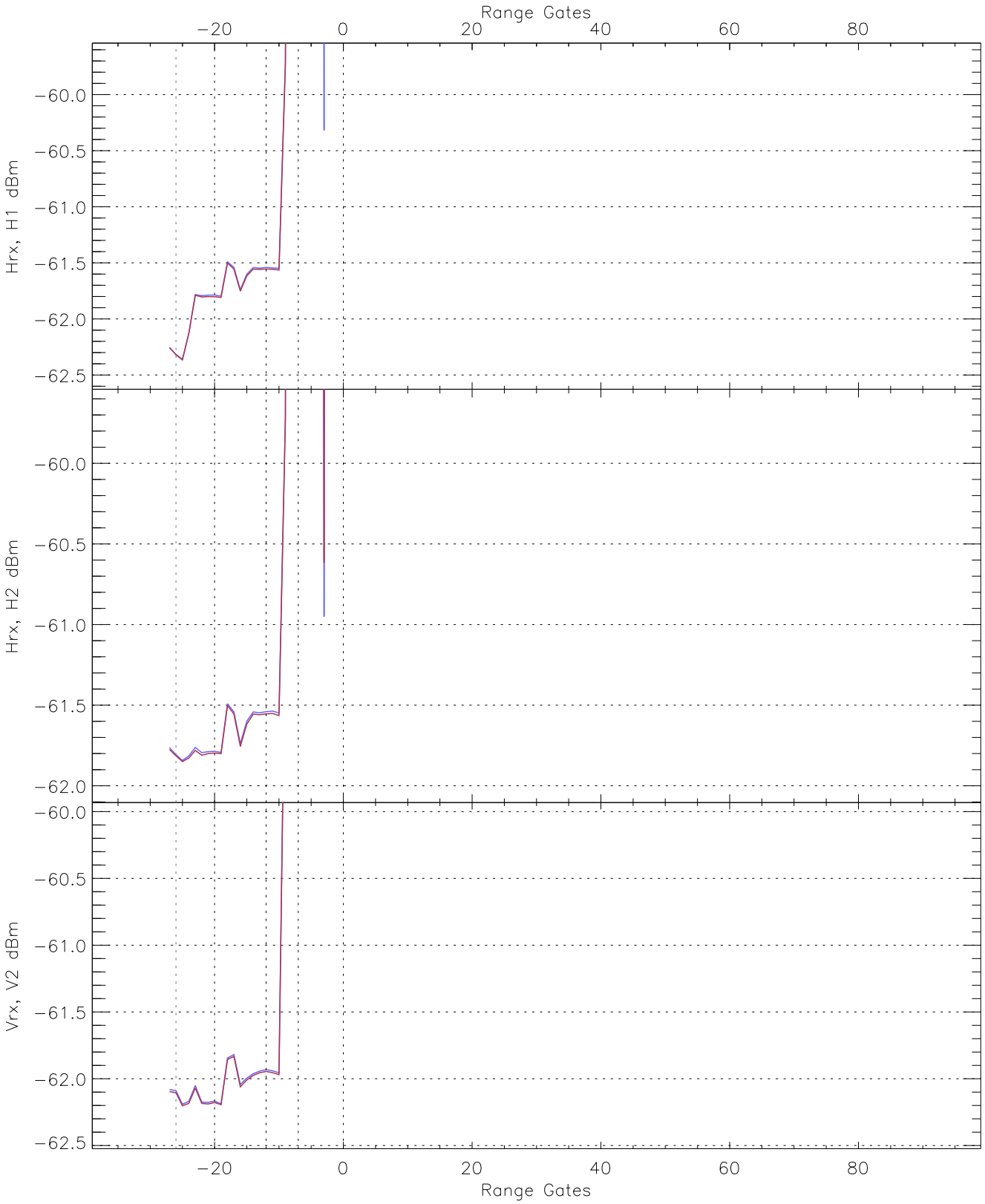


WCR2 CPP "Best" estimate Receivers Noise Power

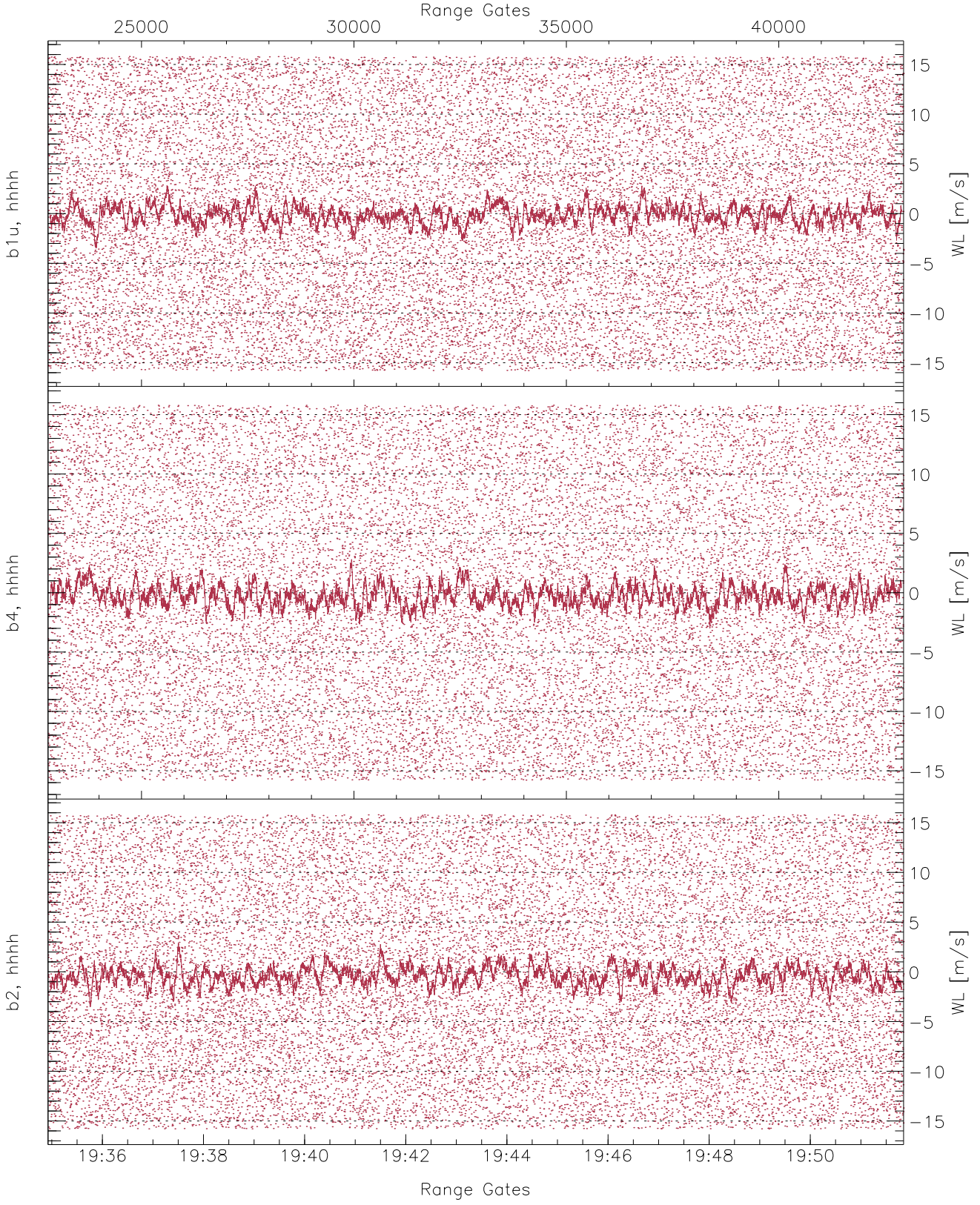
	Min	Max	Mean	Median	StDev
H1RG262_0 [dBm]	-63.36	-61.52	-62.42	-62.42	-74.97
H2RM_0 [dBm]	-62.90	-61.03	-61.90	-61.90	-74.45
V2RM_0 [dBm]	-63.28	-61.30	-62.32	-62.33	-74.89



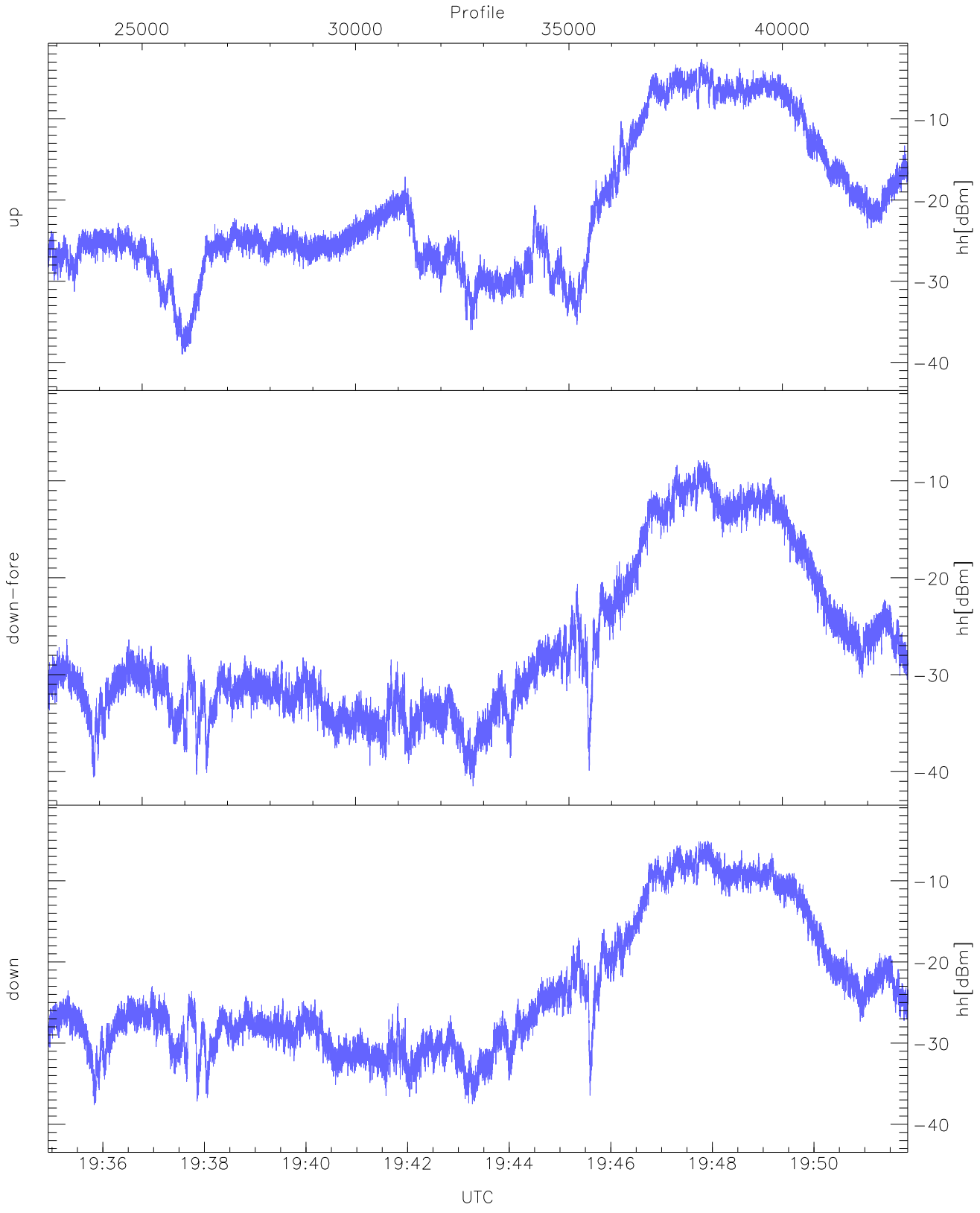
WCR2 CPP Averaged Received power for all recorded gates
blue: 193456-194323, 10070 profiles averaged
red: 194323-195151, 10070 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 193456-194323, 10070 profiles averaged
red: 194323-195151, 10070 profiles averaged

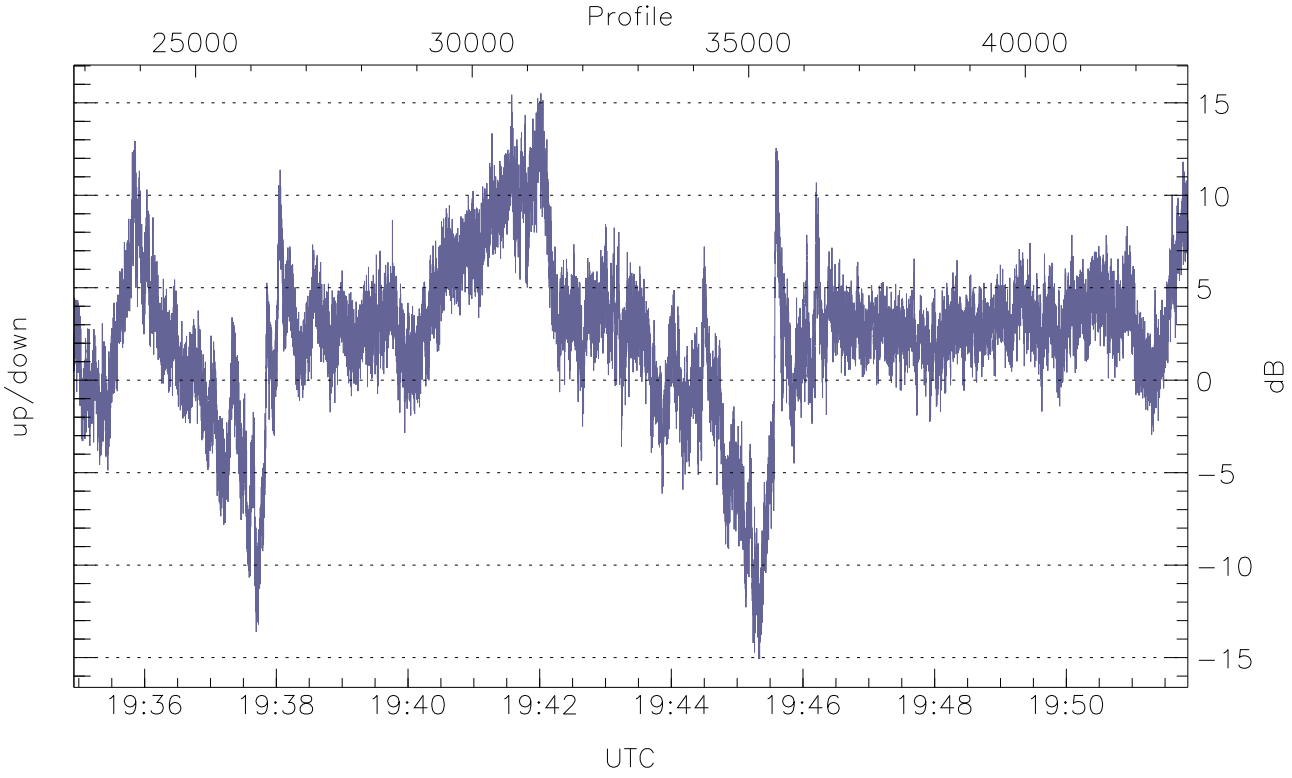


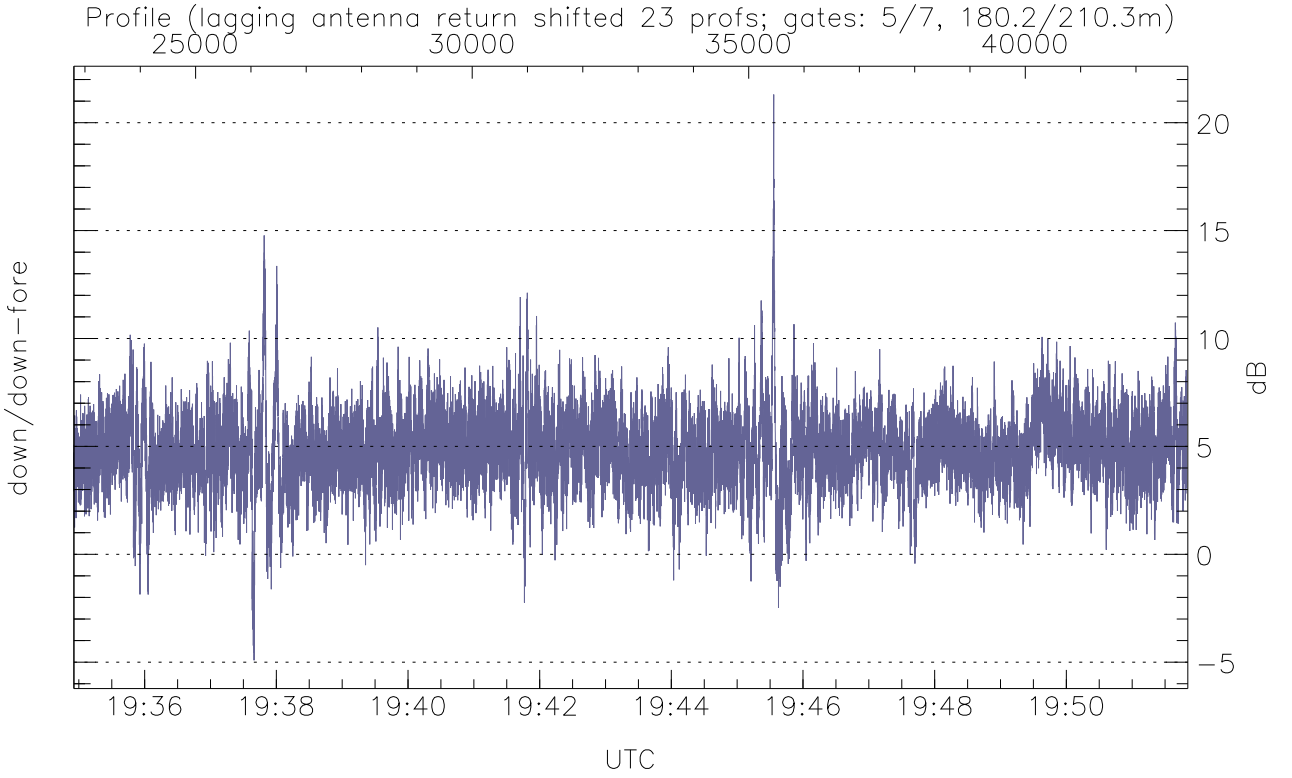
WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

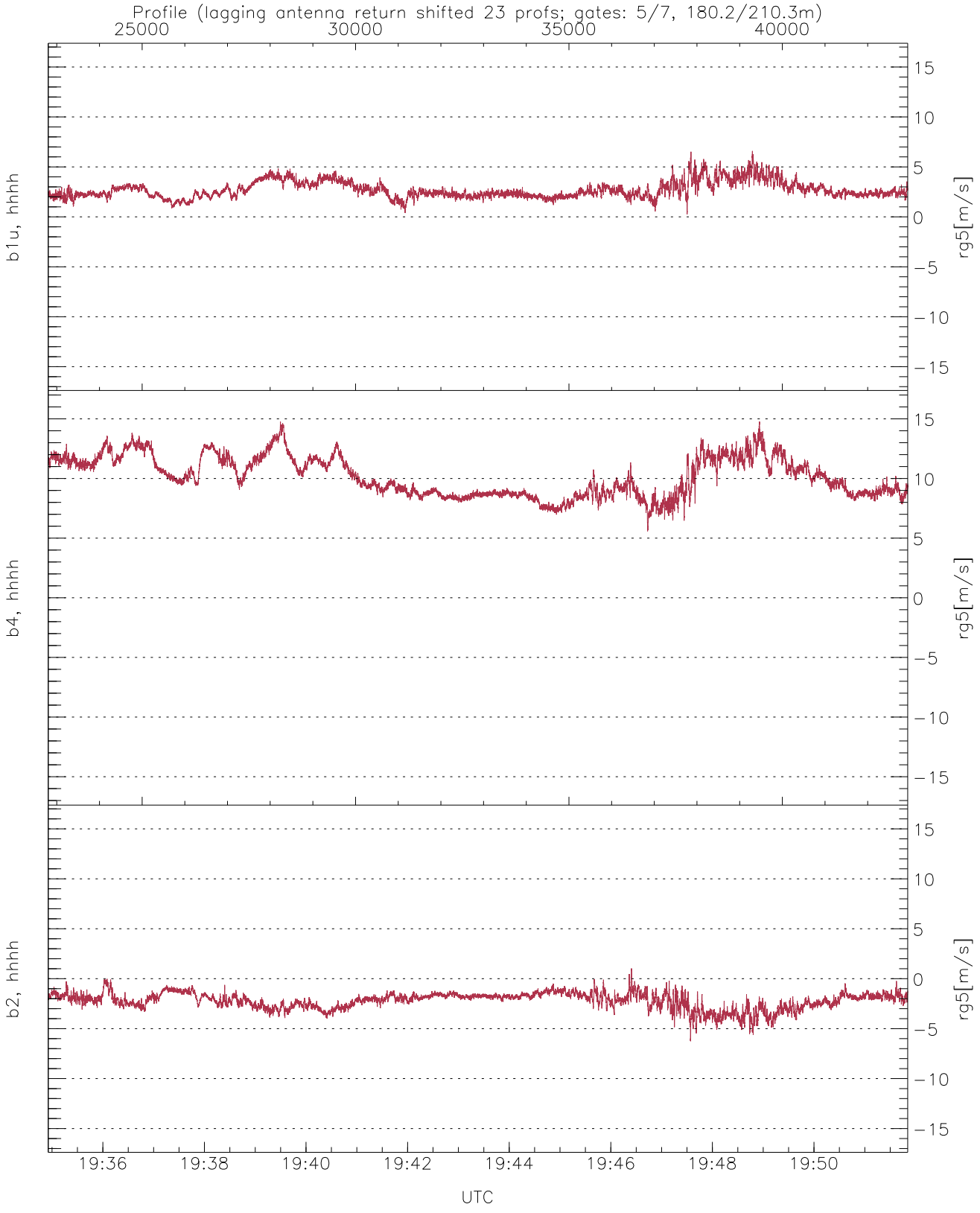
	Min	Max	Mean
up(hh[dBm])	-38.98	-2.62	-12.93
down-fore(hh[dBm])	-41.51	-7.88	-18.94
down(hh[dBm])	-37.64	-5.09	-15.63





WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up/down(dB)	-15.08	15.51	2.39
down/down-fore(dB)	-4.91	21.31	4.86



WCR2 CPP Doppler Velocity Products at 180.2 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	0.25	6.59	2.71	0.83
b4, hhhh(rg5[m/s])	5.58	14.77	10.17	1.66
b2, hhhh(rg5[m/s])	-6.26	1.03	-2.20	0.81