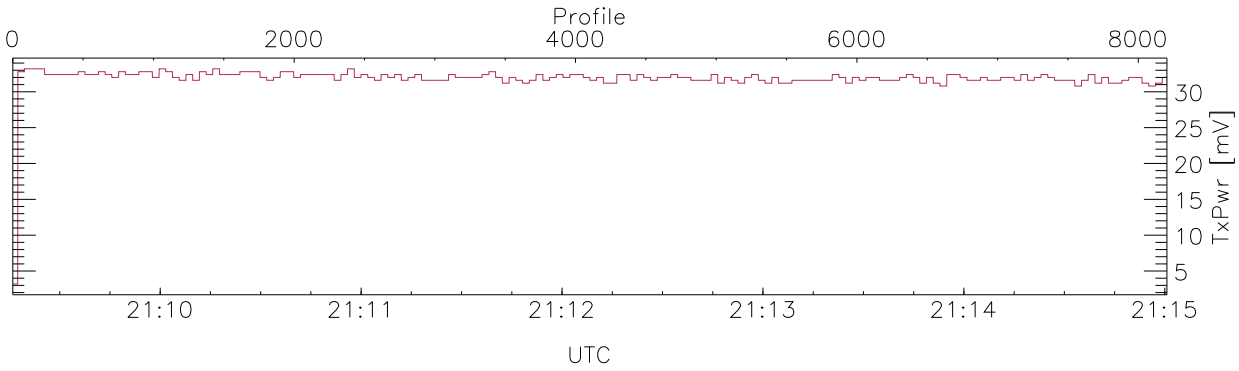
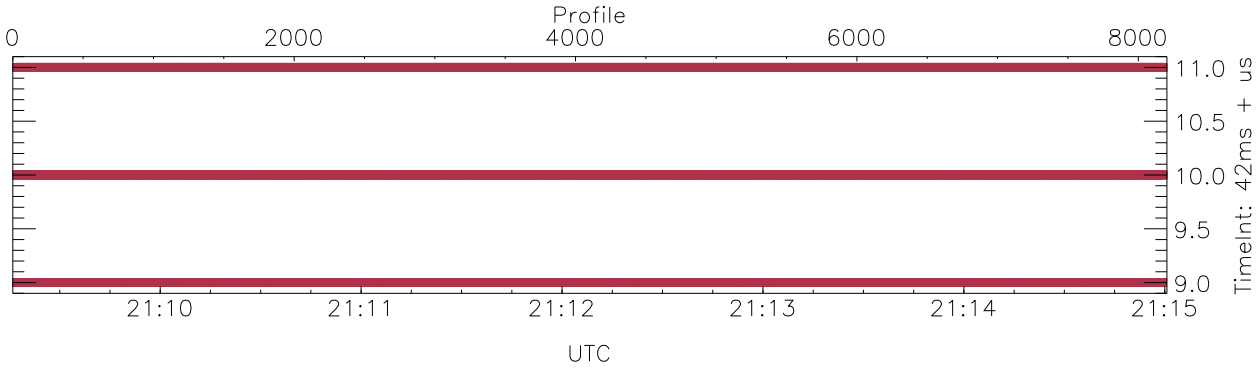
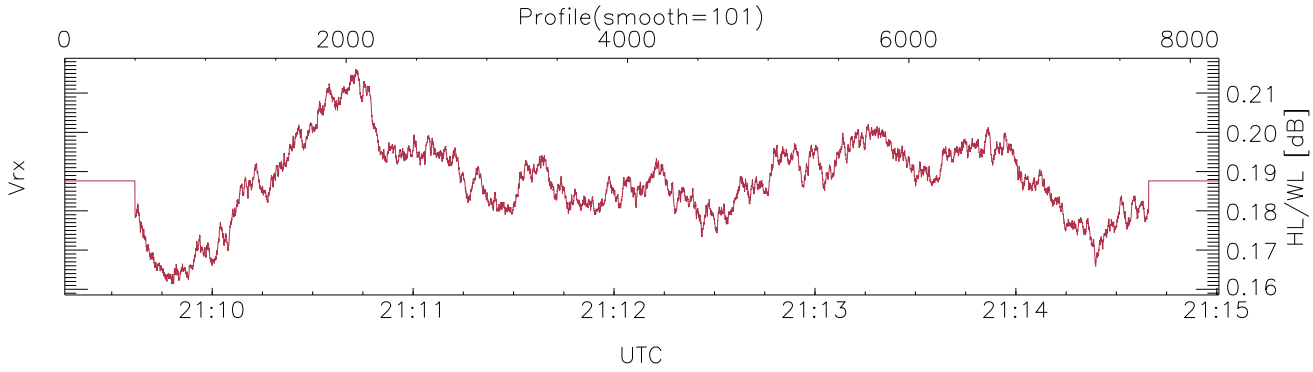
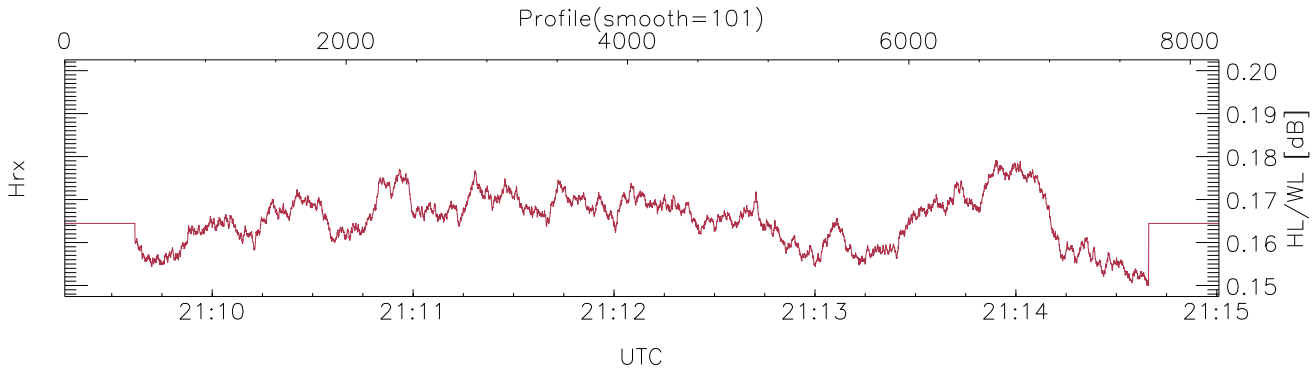


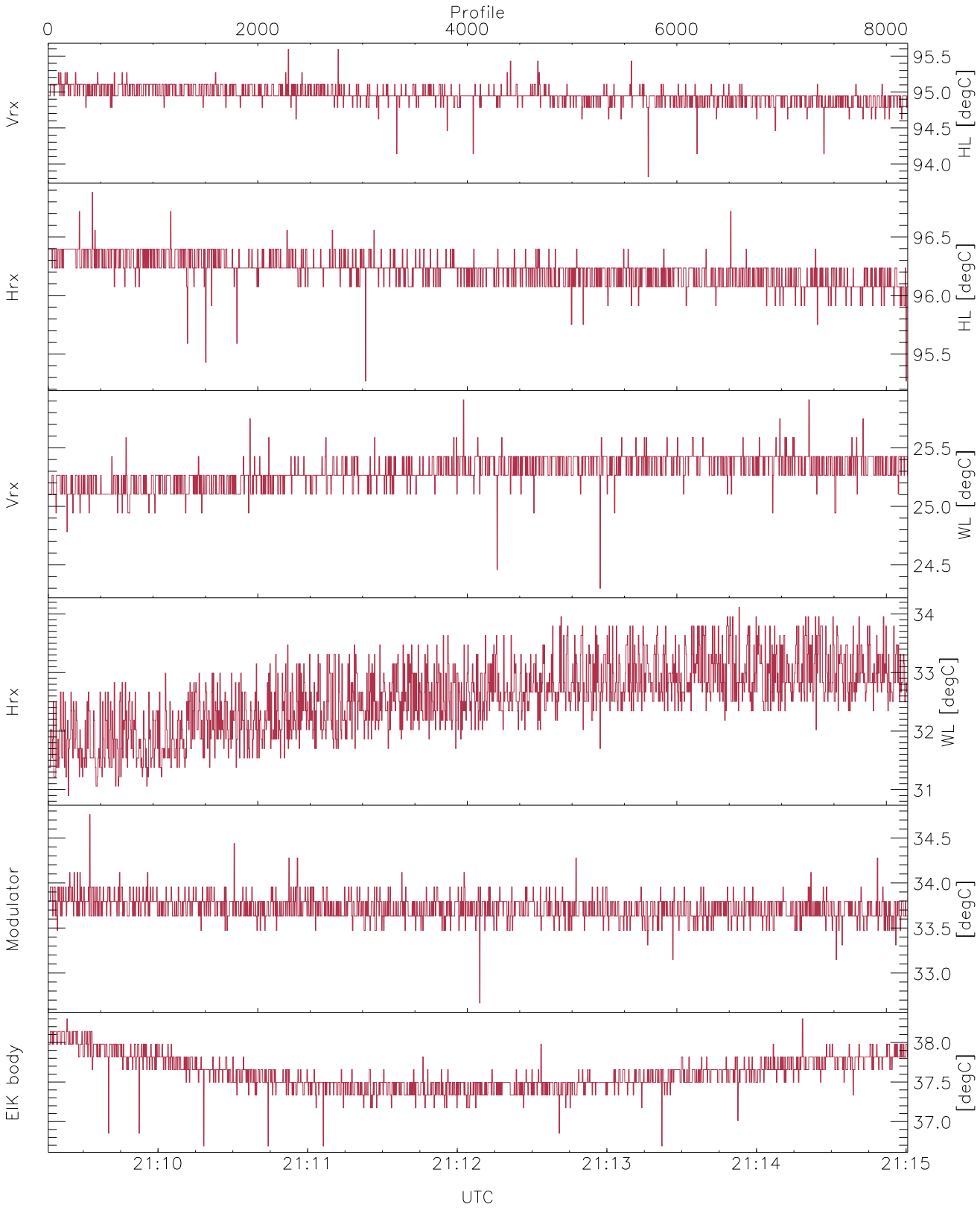






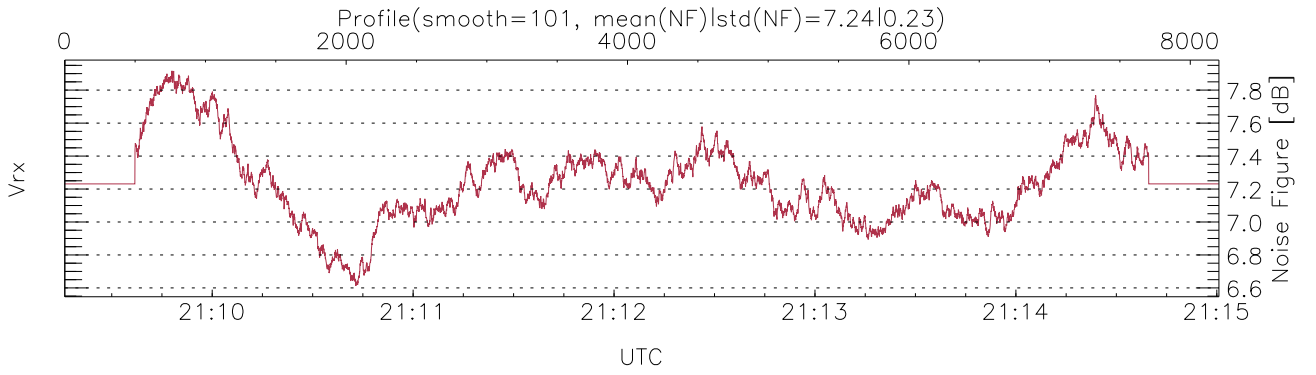
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

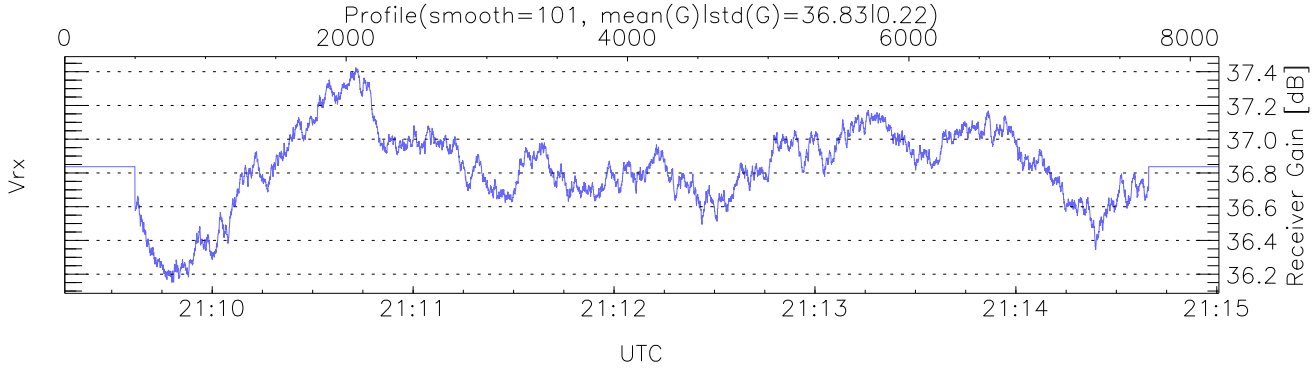
UTC: 21:09:16-21:15:01, Dur: 344.65s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 42.0,42.0,42.0,0.0 ms / 24,24,24
NumRec(r/t): 8205/8205, 0-8204/21:09:16-21:15:01
AcqTime: 42.0ms, Rate: 210KB/s, Averages: 140
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,3183,15.0 m, Gates: 206, Aspect: 4.0
Mirror(-9|0|1|2,3,9x)=no mirror|sideluplerror): 1

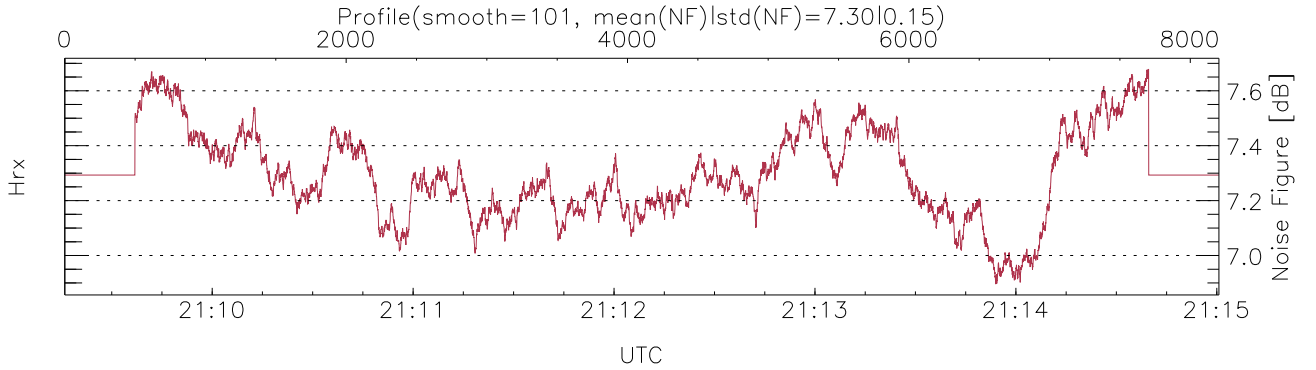


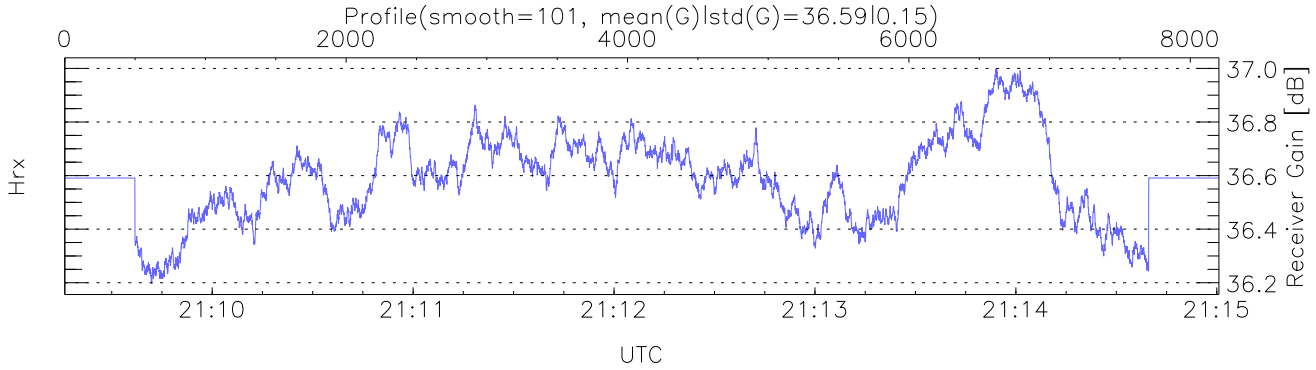
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator Body, EIK Body

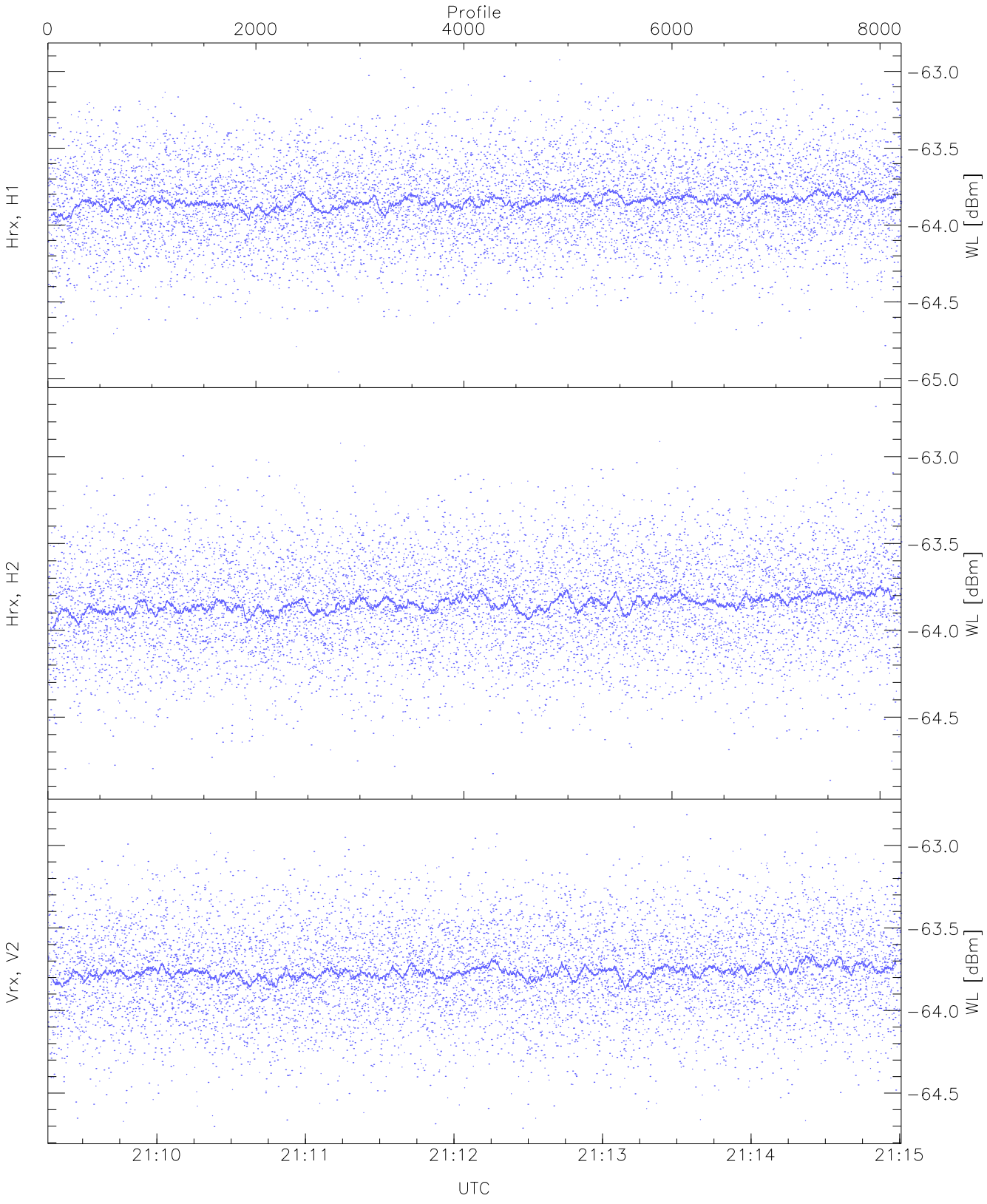
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,95,24,30,32,36
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 95,96,25,34,34,38
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK/Modulator Faults: None


Profile(smooth=101, mean(NF)|std(NF)=7.24|0.23)
0
2000
4000
6000
8000
Vrx
7.8
7.6
7.4
7.2
7.0
6.8
6.6
Noise Figure [dB]
21:10
21:11
21:12
21:13
21:14
21:15
UTC


Profile(smooth=101, mean(G)|std(G)=36.83|0.22)
0
2000
4000
6000
8000
Vrx
37.4
37.2
37.0
36.8
36.6
36.4
36.2
Receiver Gain [dB]
21:10
21:11
21:12
21:13
21:14
21:15
UTC

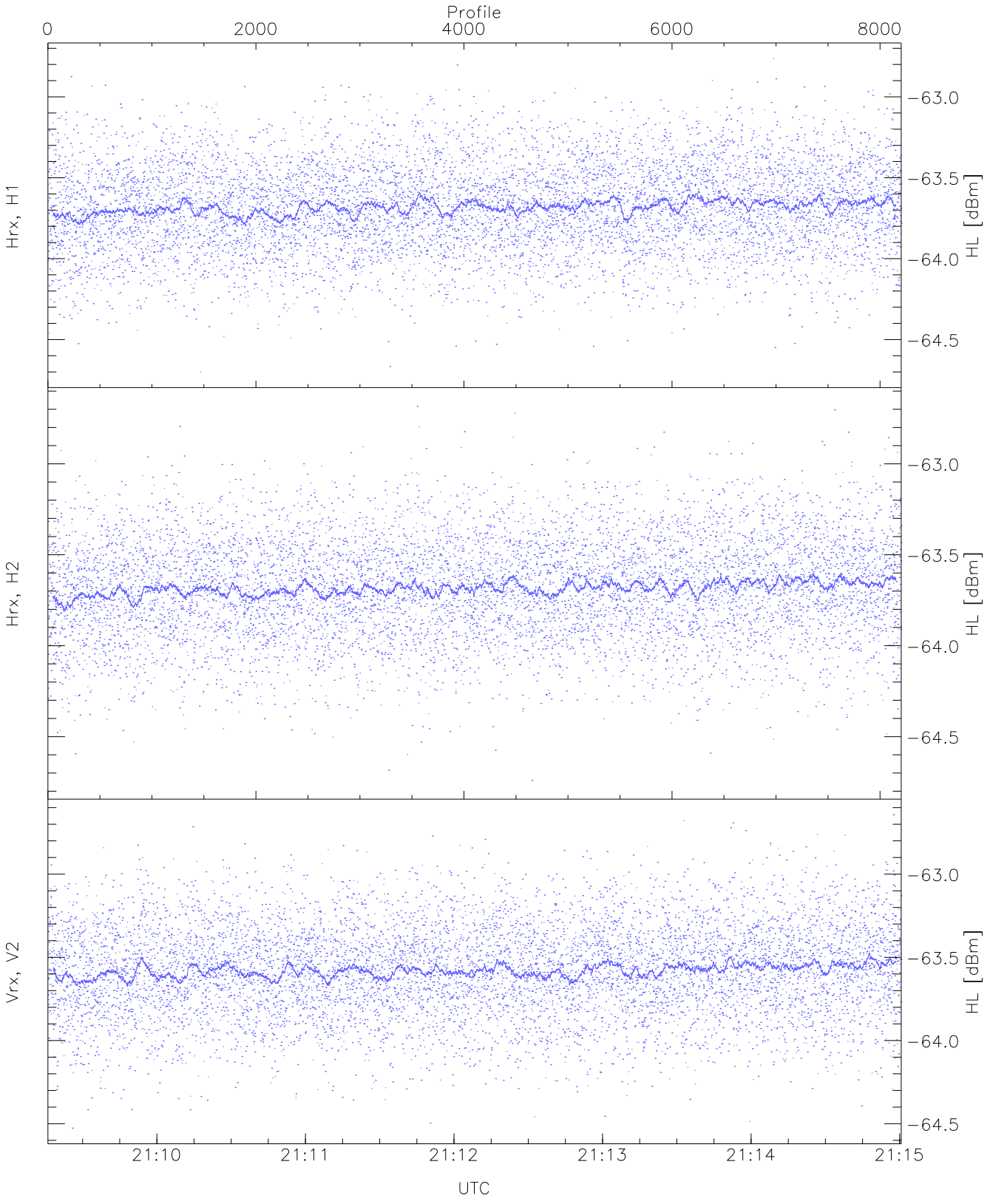

Profile(smooth=101, mean(NF)|std(NF)=7.30|0.15)
0
2000
4000
6000
8000
Hrx
7.6
7.4
7.2
7.0
Noise Figure [dB]
21:10
21:11
21:12
21:13
21:14
21:15
UTC


Profile(smooth=101, mean(G)|std(G)=36.59|0.15)
0
2000
4000
6000
8000
Hrx
37.0
36.8
36.6
36.4
36.2
Receiver Gain [dB]
21:10
21:11
21:12
21:13
21:14
21:15
UTC



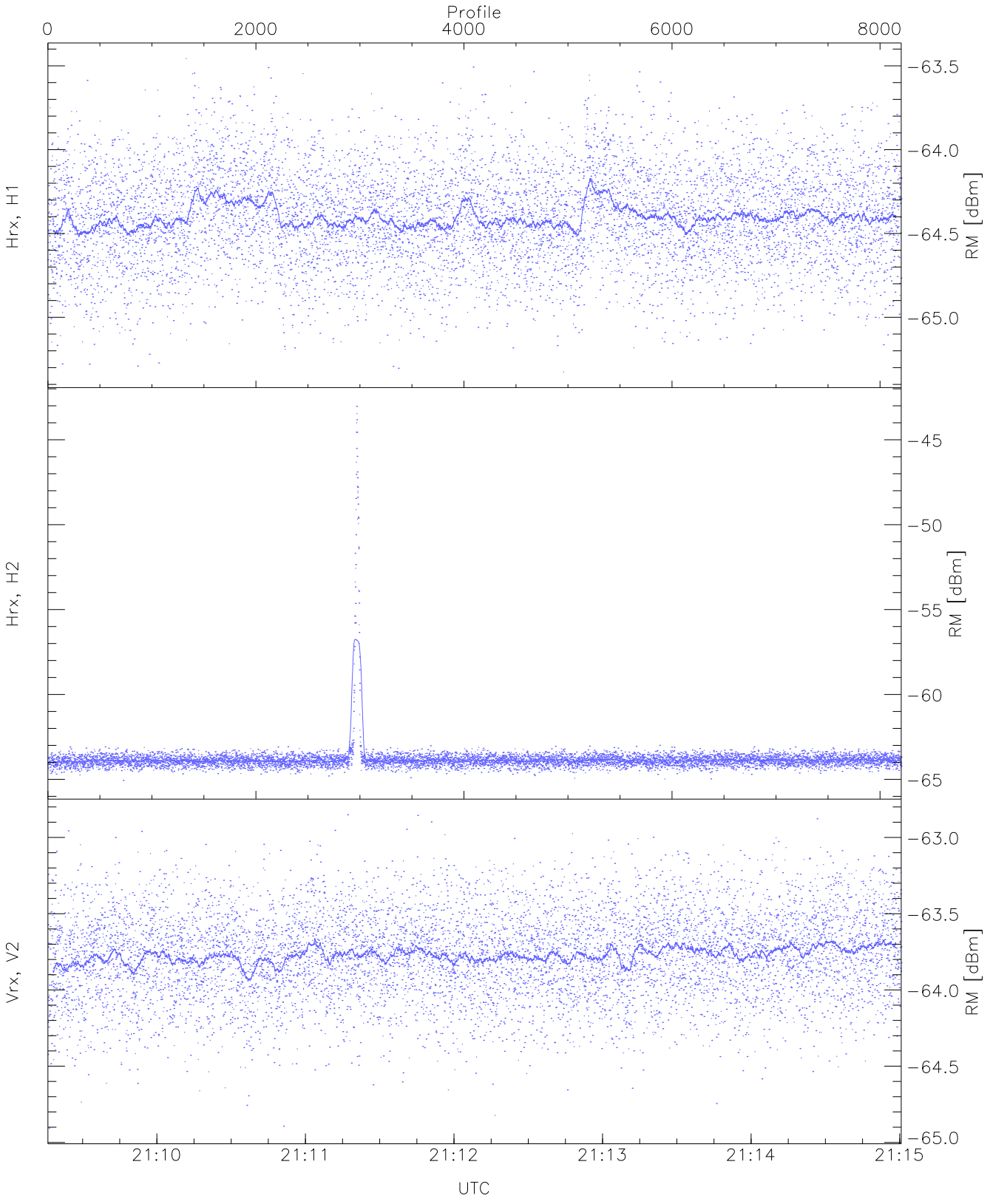
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-64.96	-62.92	-63.84	-63.85	-76.02
Hrx, H2(WL [dBm])	-64.86	-62.71	-63.84	-63.85	-75.95
Vrx, V2(WL [dBm])	-64.71	-62.81	-63.76	-63.77	-75.86



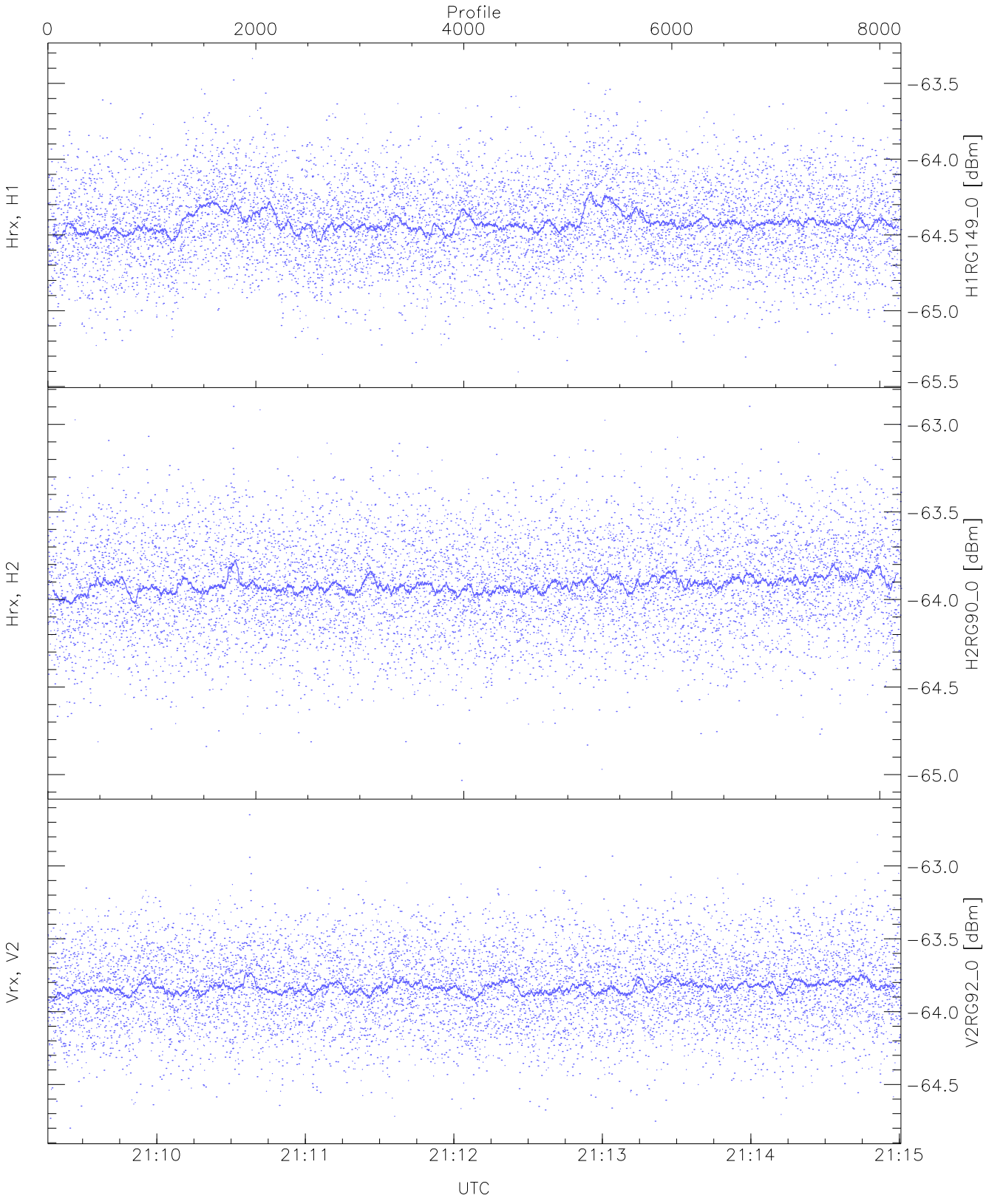
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-64.70	-62.76	-63.68	-63.69	-75.85
Hrx, H2(HL [dBm])	-64.74	-62.68	-63.68	-63.68	-75.81
Vrx, V2(HL [dBm])	-64.53	-62.64	-63.57	-63.58	-75.69



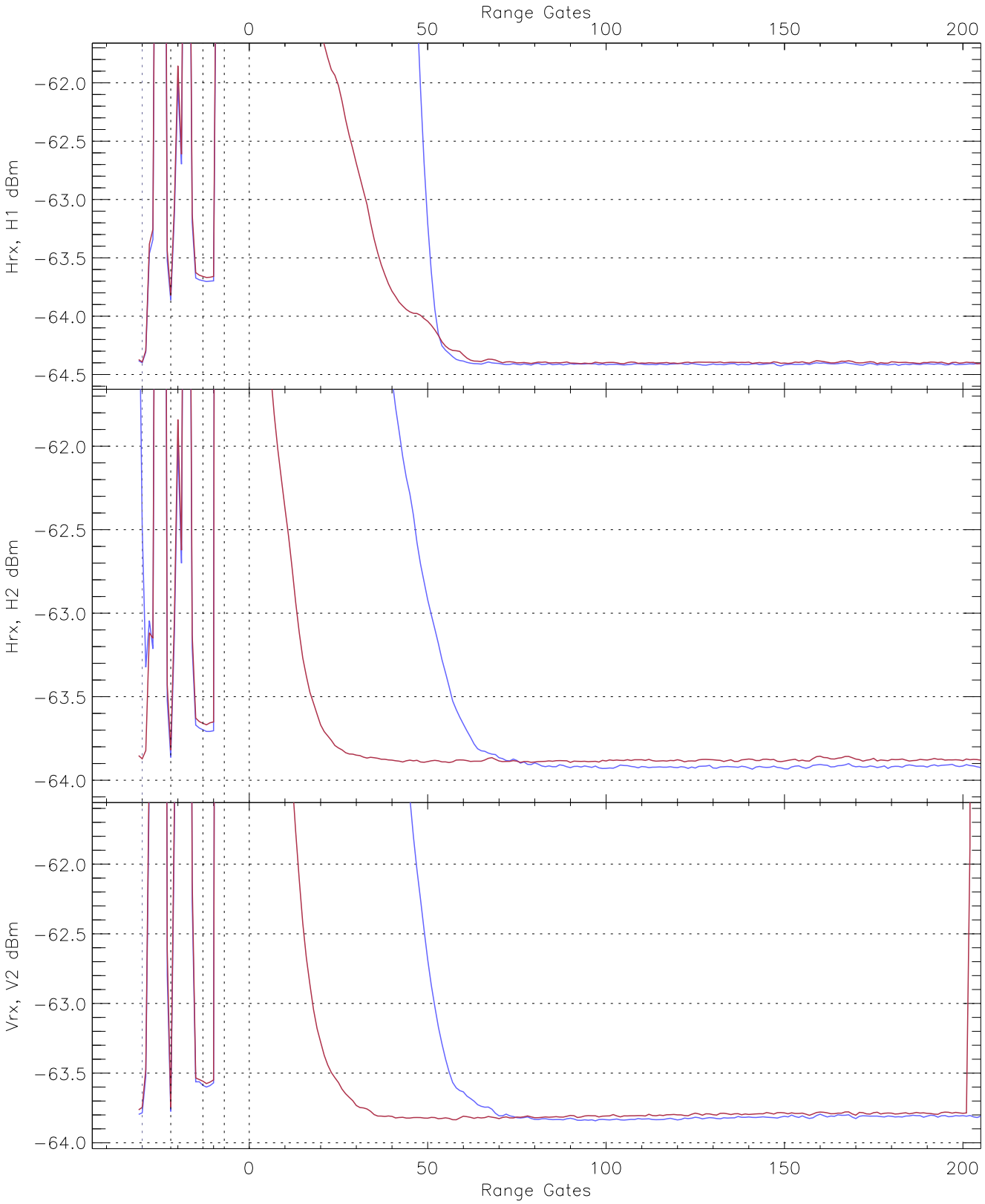
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-65.33	-63.46	-64.40	-64.40	-76.44
Hrx, H2(RM [dBm])	-65.06	-43.03	-63.12	-63.89	-58.56
Vrx, V2(RM [dBm])	-64.91	-62.85	-63.77	-63.77	-75.81

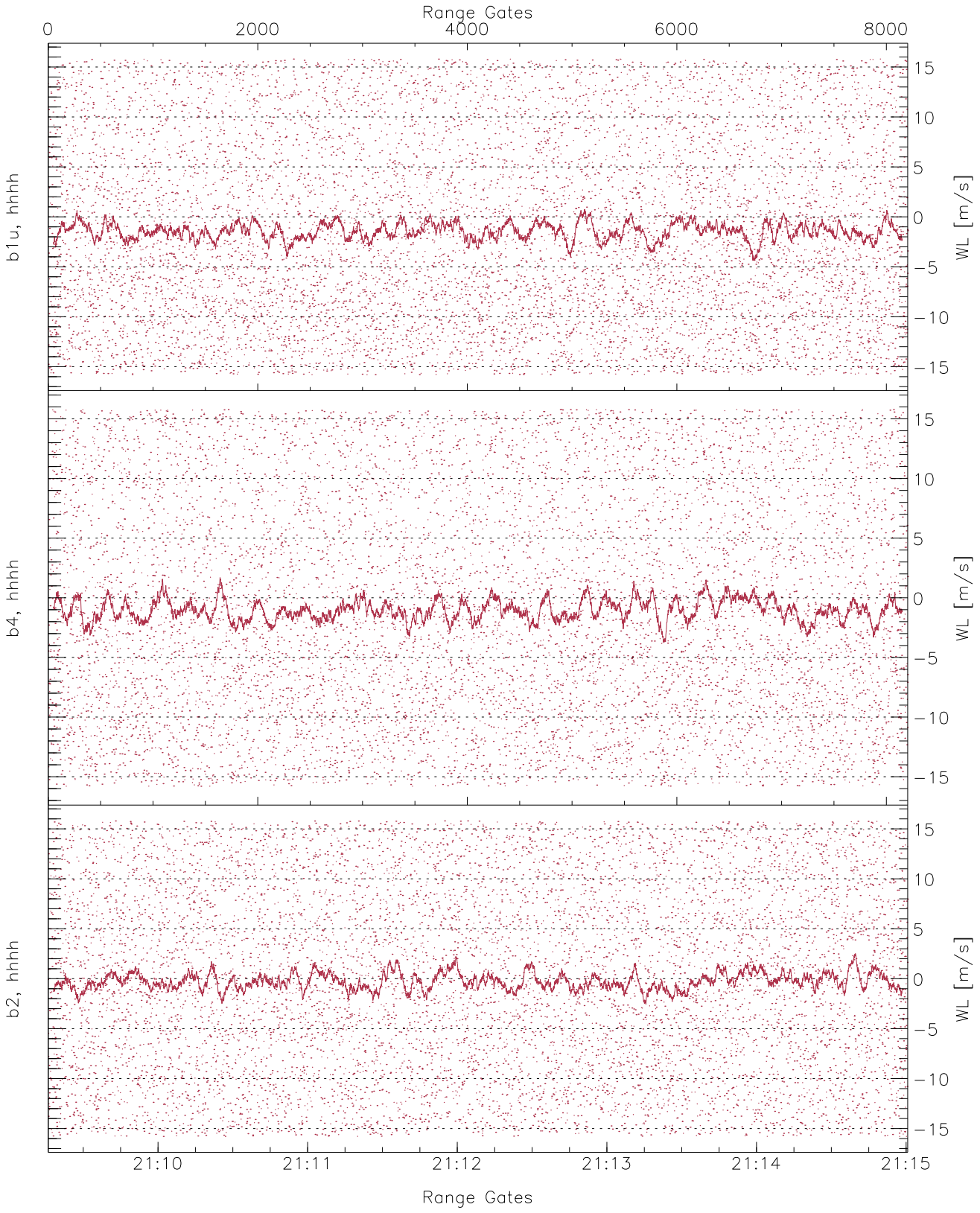


WCR2 CPP "Best" estimate Receivers Noise Power

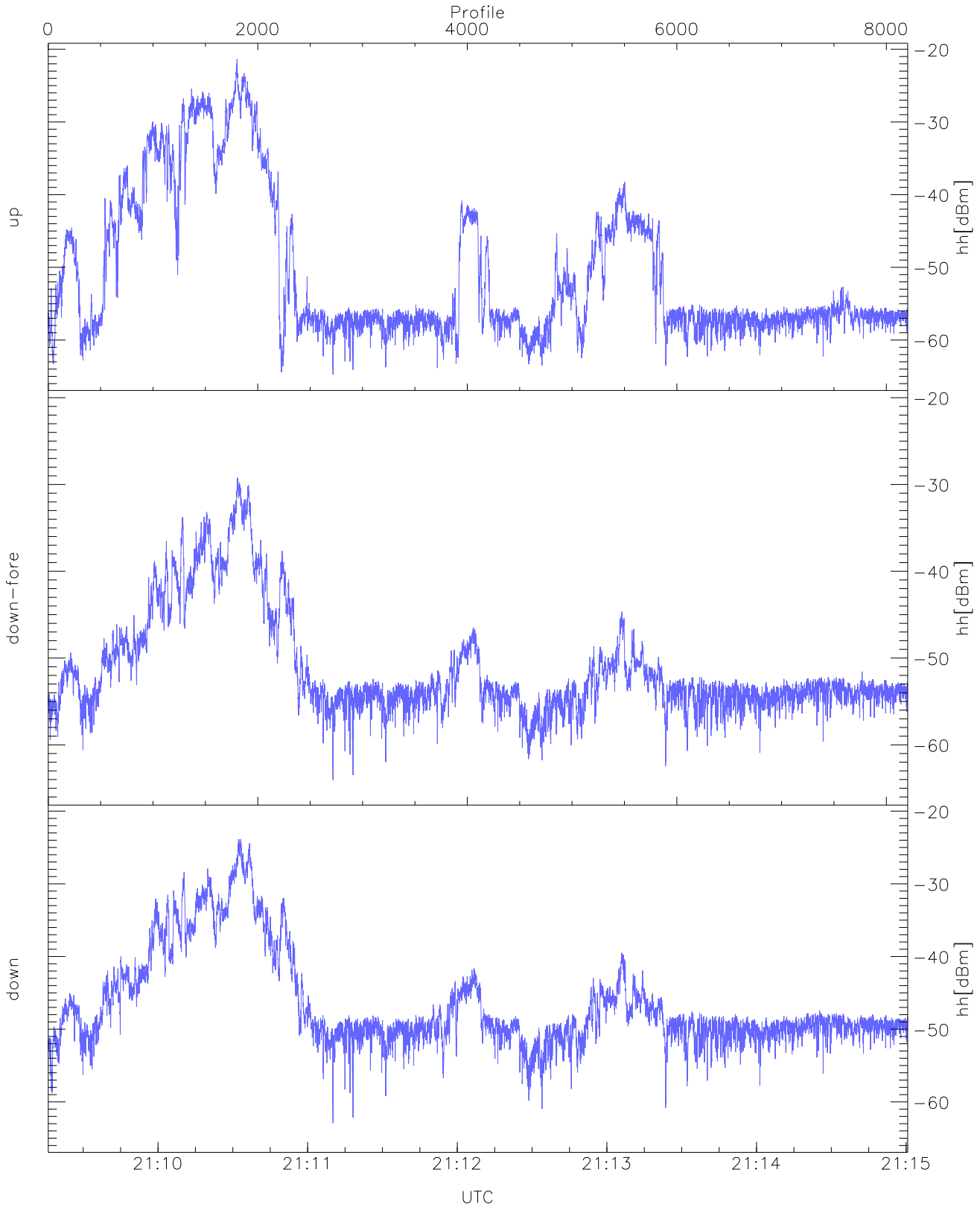
	Min	Max	Mean	Median	StDev
H1RG149_0 [dBm]	-65.40	-63.34	-64.42	-64.43	-76.51
H2RG90_0 [dBm]	-65.03	-62.90	-63.91	-63.92	-76.00
V2RG92_0 [dBm]	-64.80	-62.65	-63.83	-63.83	-76.00



WCR2 CPP Averaged Received power for all recorded gates
blue: 210916-211208, 4103 profiles averaged
red: 211208-211501, 4103 profiles averaged

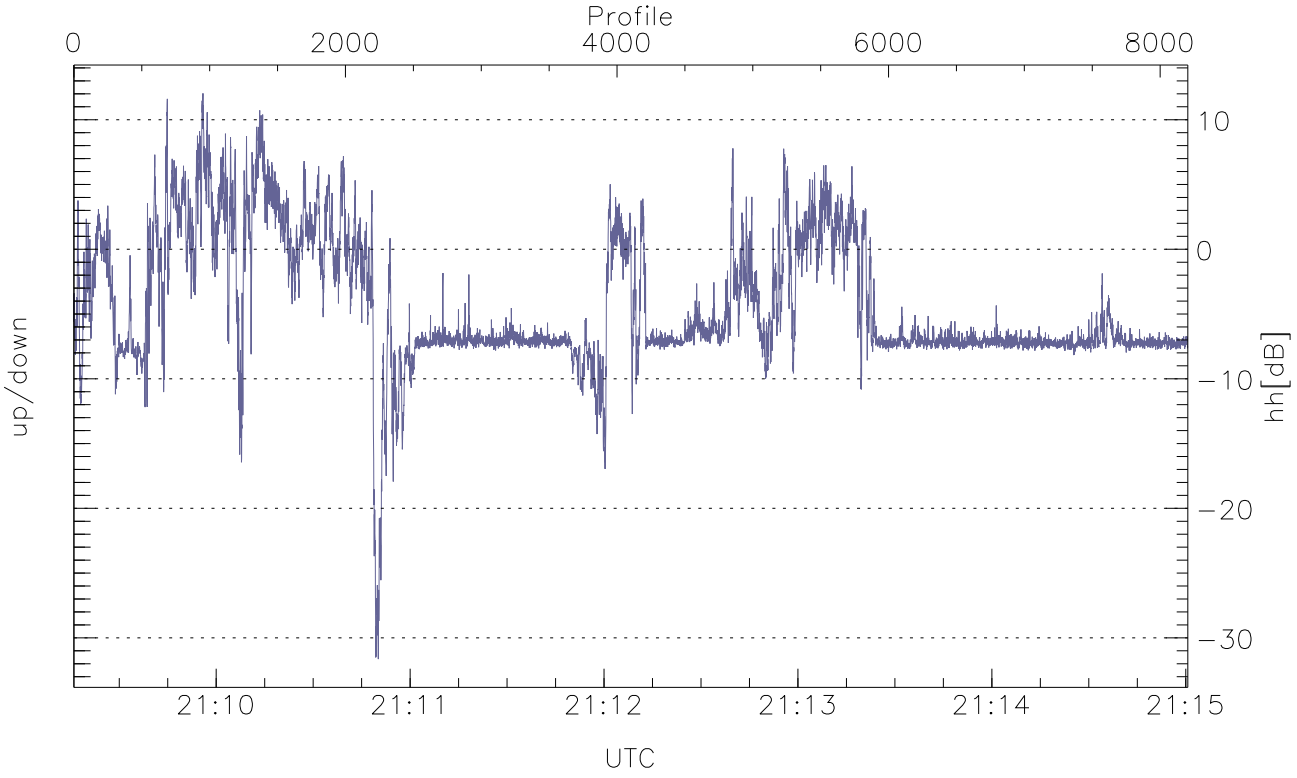


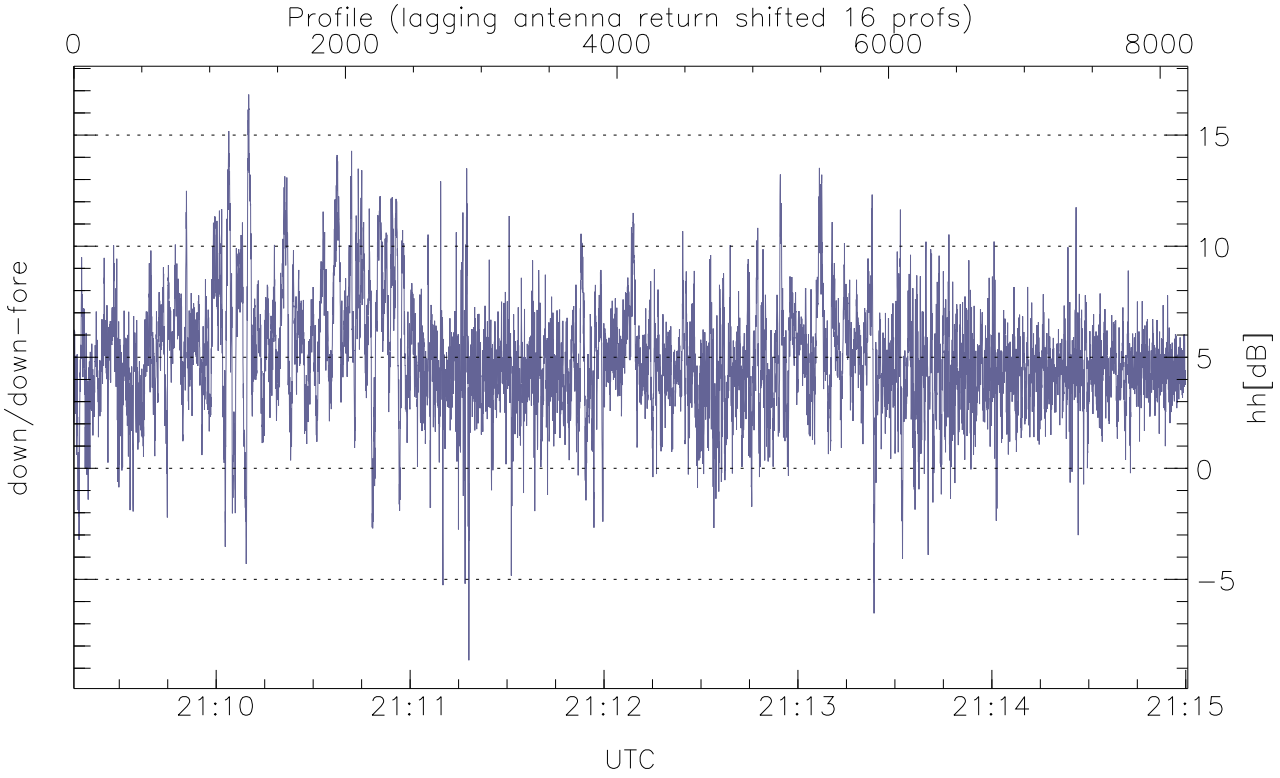
WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



WCR2 CPP Received Power Products for Range gate 0 (105.1 m)

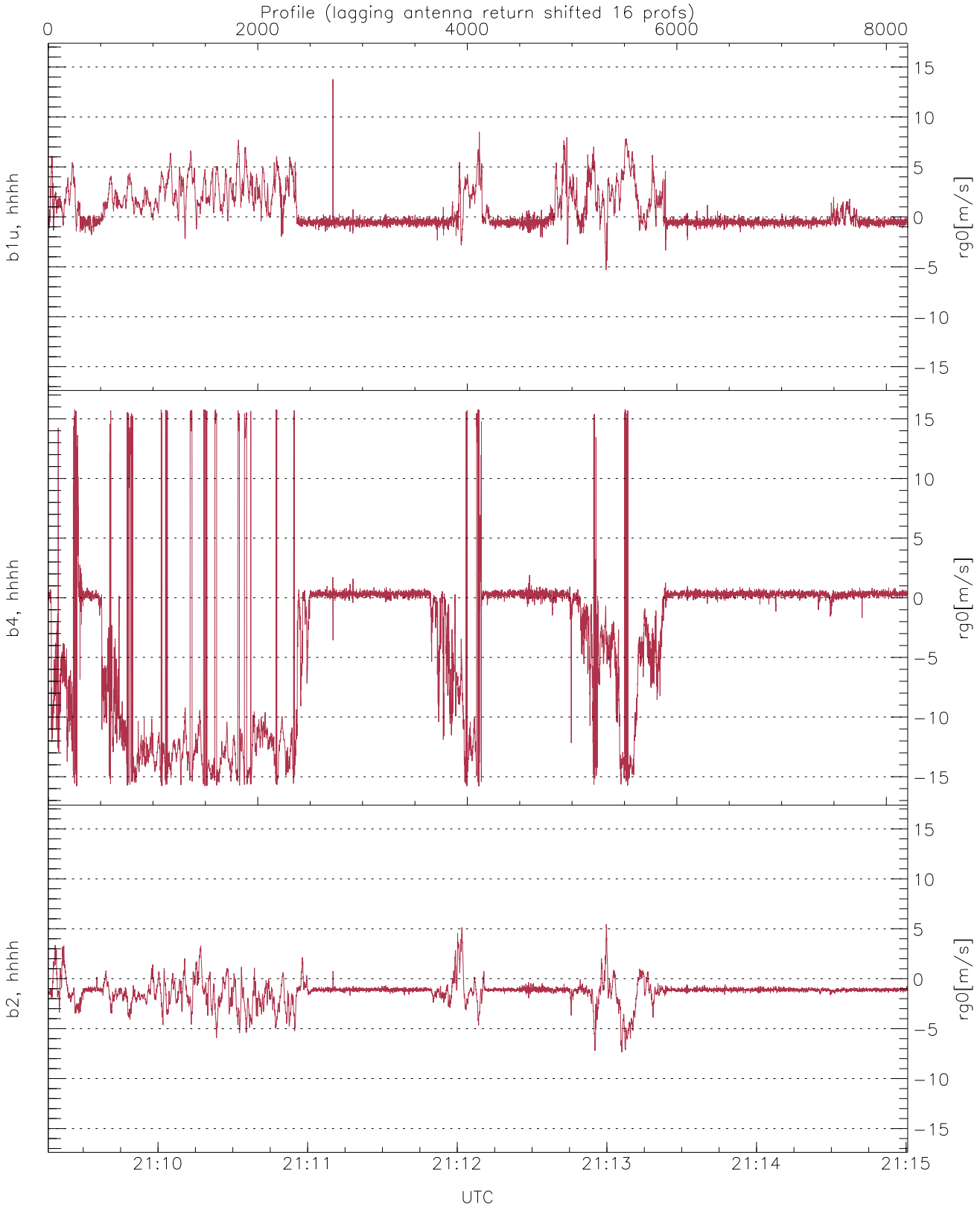
	Min	Max	Mean
up(hh[dBm])	-64.77	-21.34	-37.65
down-fore(hh[dBm])	-64.06	-29.17	-44.71
down(hh[dBm])	-62.93	-23.85	-39.33





WCR2 Received Power Ratio(s); Range gate(s) used: 0,1 (105,120 m)

	Min	Max	Mean
up/down(hh[dB])	-31.64	12.04	-5.67
down/down-fore(hh[dB])	-8.64	16.83	4.91



WCR2 CPP Doppler Velocity Products at 105.1 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg0[m/s])	-5.31	13.77	0.71	1.89
b4, hhhh(rg0[m/s])	-15.80	15.79	-3.18	6.45
b2, hhhh(rg0[m/s])	-7.36	5.44	-1.28	1.15