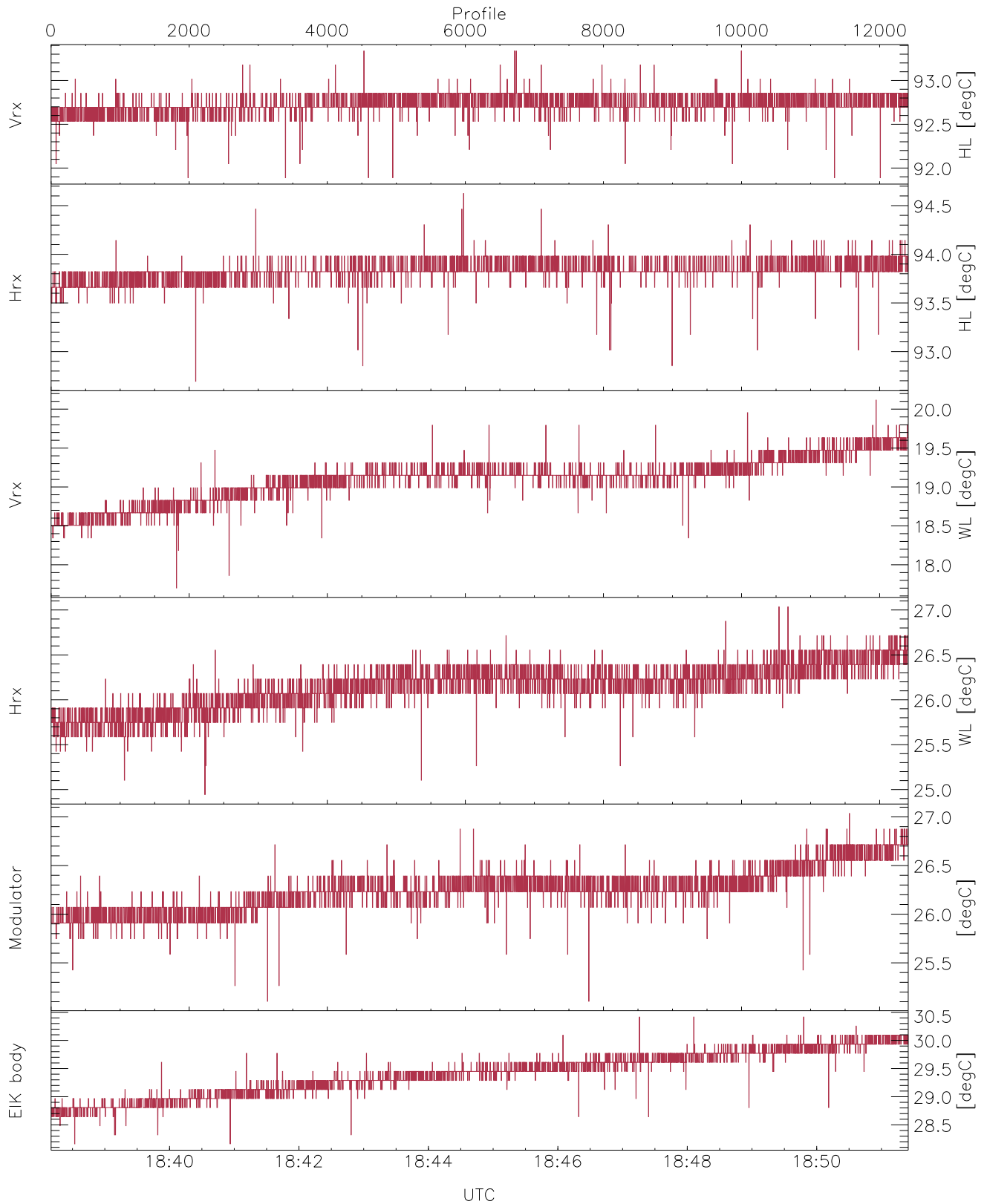


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

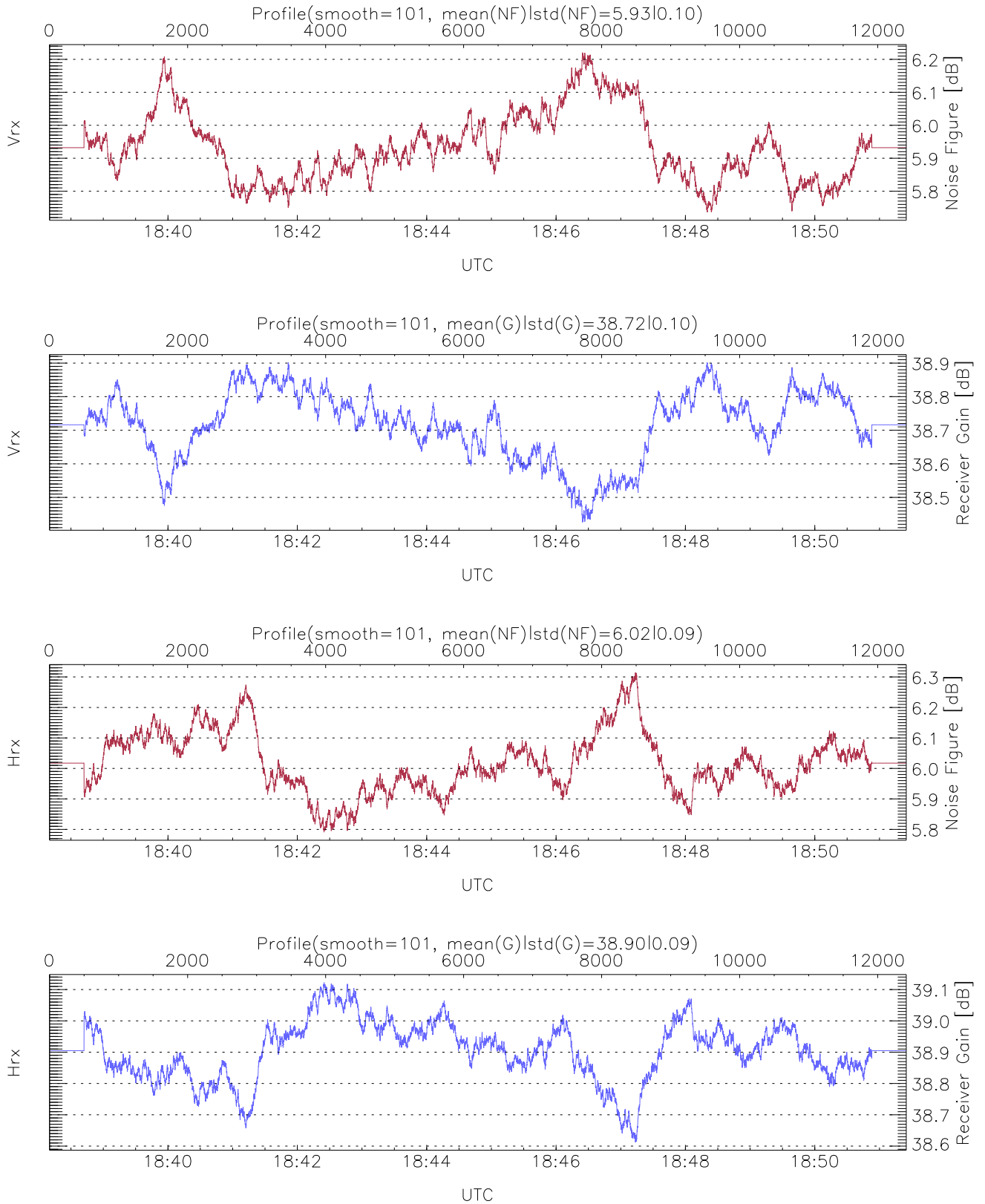
UTC: 18:38:10-18:51:25, Dur: 794.70s
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
 TimeInt/PPS(min,max,mn,std): 64.0,64.0,64.0,0.0 ms / 16,16,16
 NumRec(r/t): 12415/12415, 0-12414/18:38:10-18:51:25
 AcqTime: 64.0ms, Rate: 440KB/s, Averages: 160
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 V1 V1 H2 H2 V2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 105,5436,15.0 m, Gates: 356, Aspect: 2.6
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



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

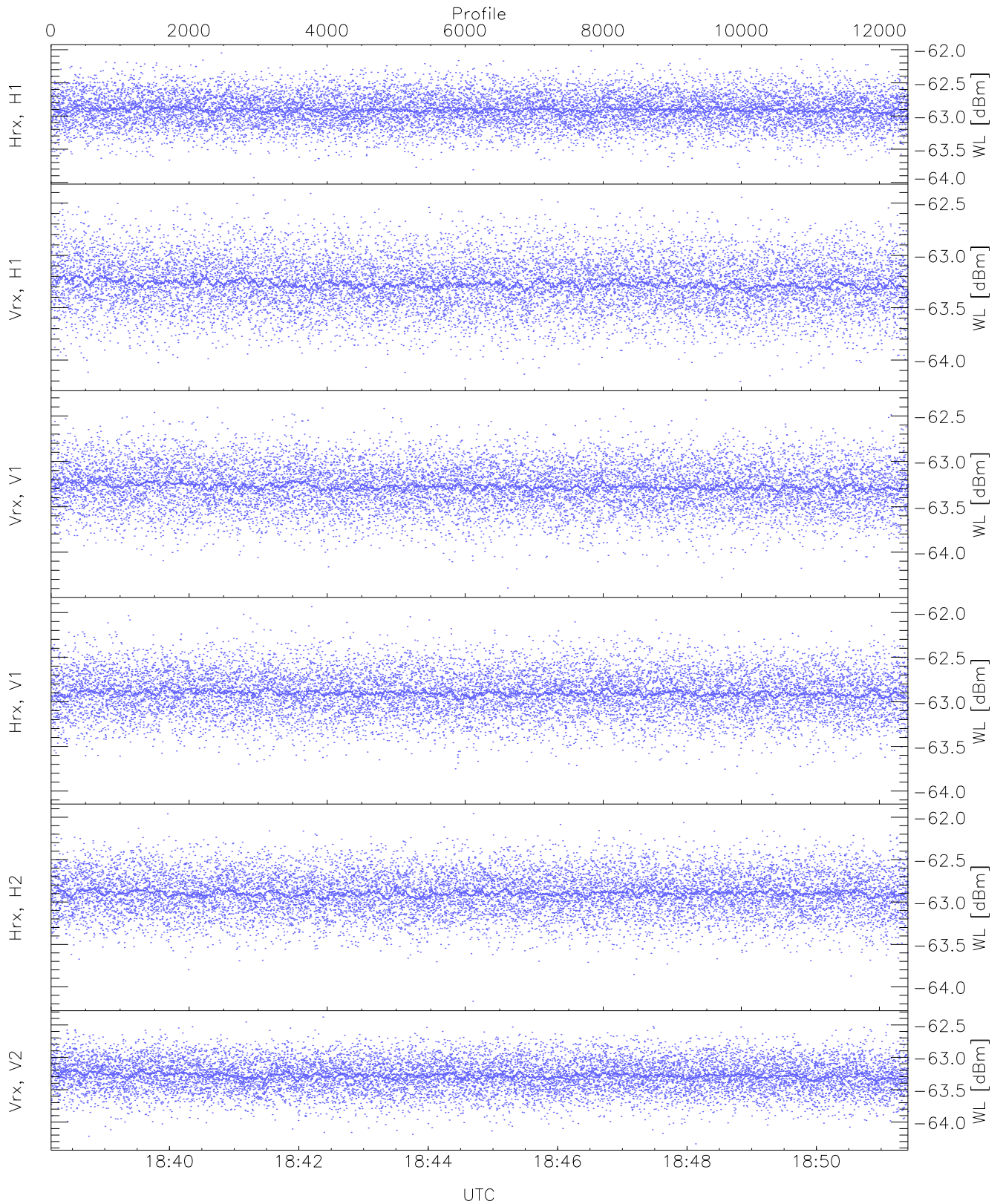
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,17,24,25,28
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,20,27,27,30
 LOalarm(20,80,240,2.8,14.8 MHz): None

EIK Faults(# prof affected):
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (16,16,16,16,12,8)



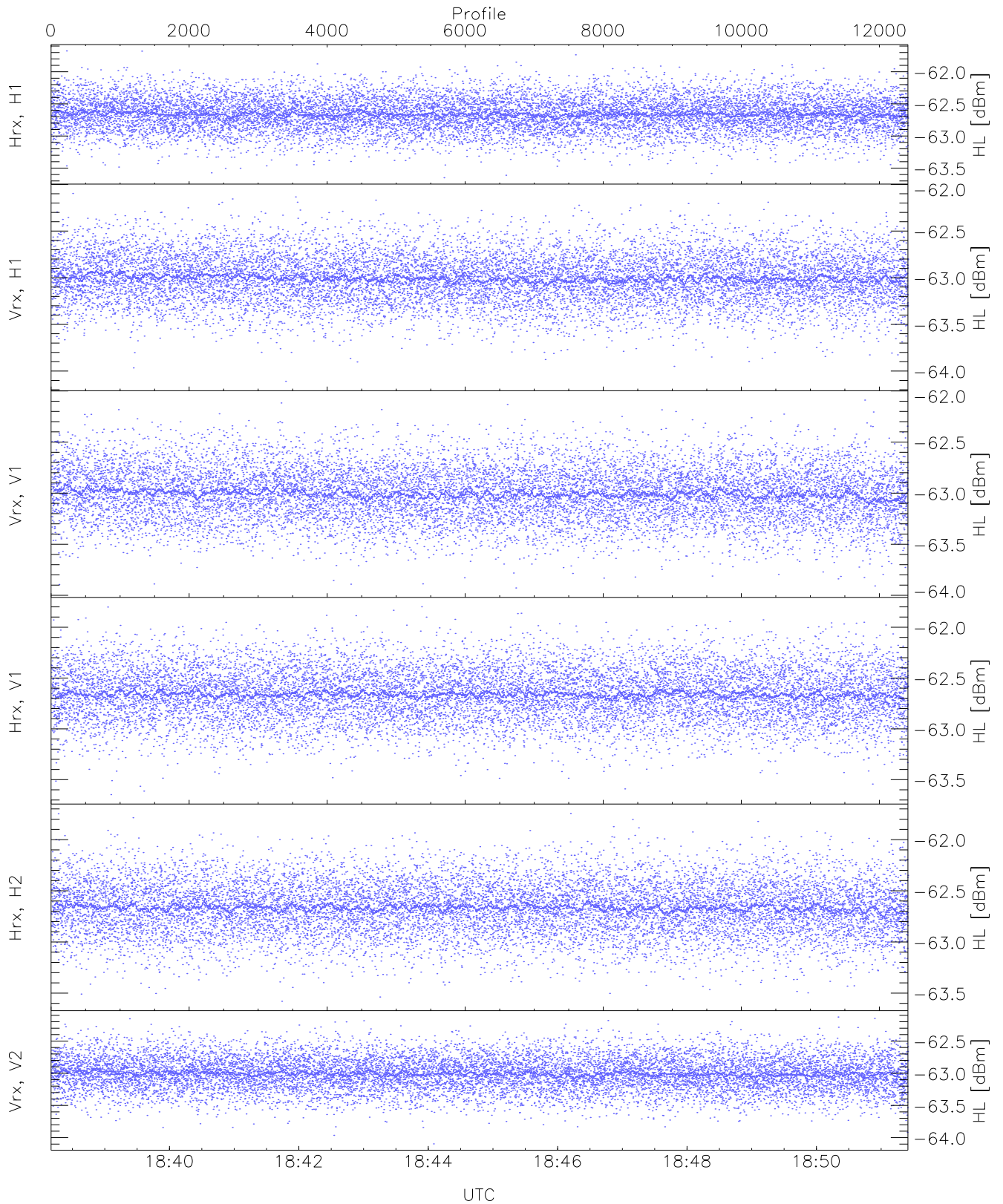
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 35 pixs, 4 gates, 23 profs, 1 prods



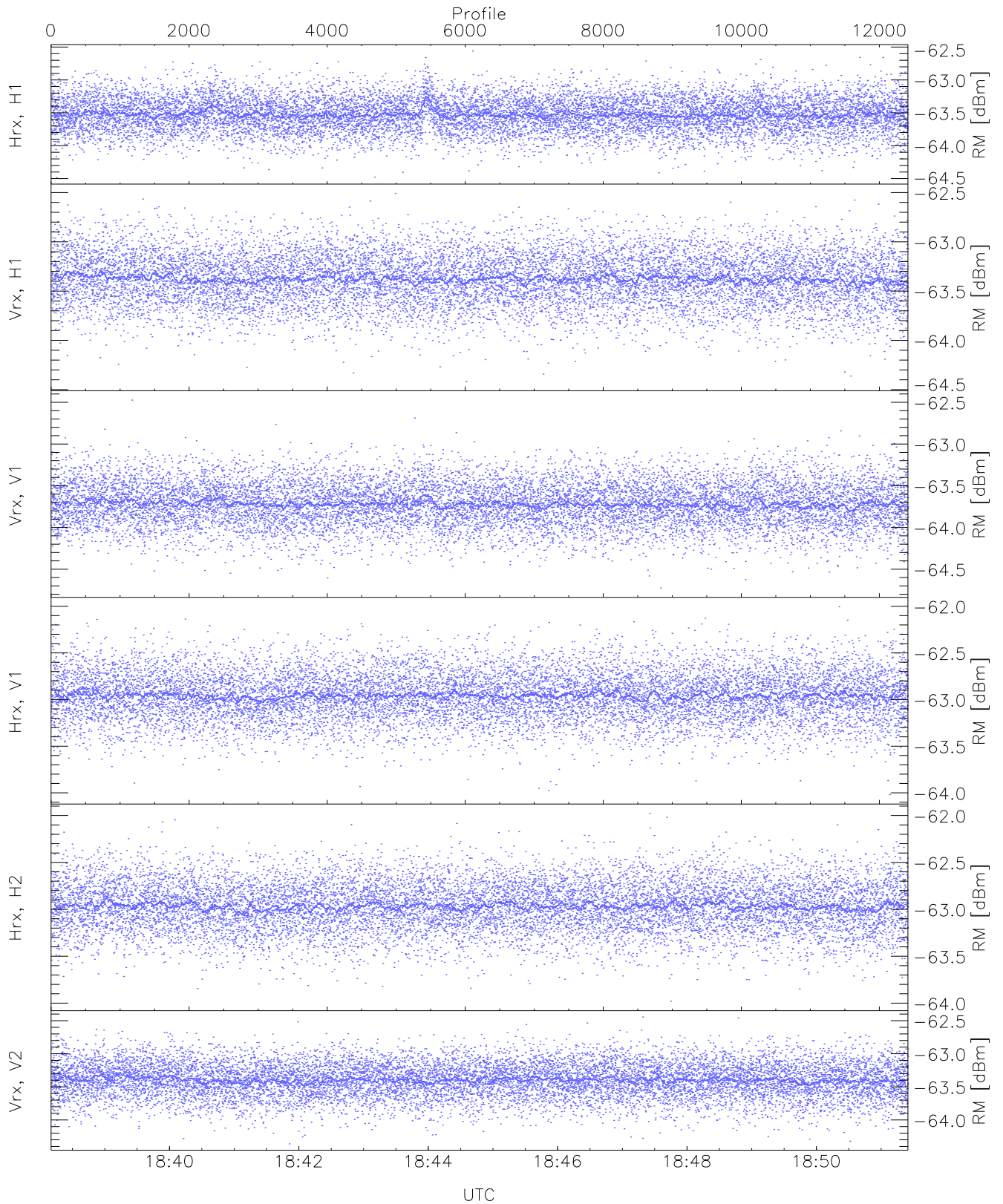
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (WL [dBm])	-63.93	-62.02	-62.90	-62.91	-75.37
Vrx, H1 (WL [dBm])	-64.20	-62.41	-63.27	-63.28	-75.70
Vrx, V1 (WL [dBm])	-64.39	-62.33	-63.27	-63.28	-75.69
Hrx, V1 (WL [dBm])	-64.04	-61.93	-62.90	-62.90	-75.39
Hrx, H2 (WL [dBm])	-64.17	-61.96	-62.89	-62.90	-75.35
Vrx, V2 (WL [dBm])	-64.34	-62.38	-63.28	-63.28	-75.68



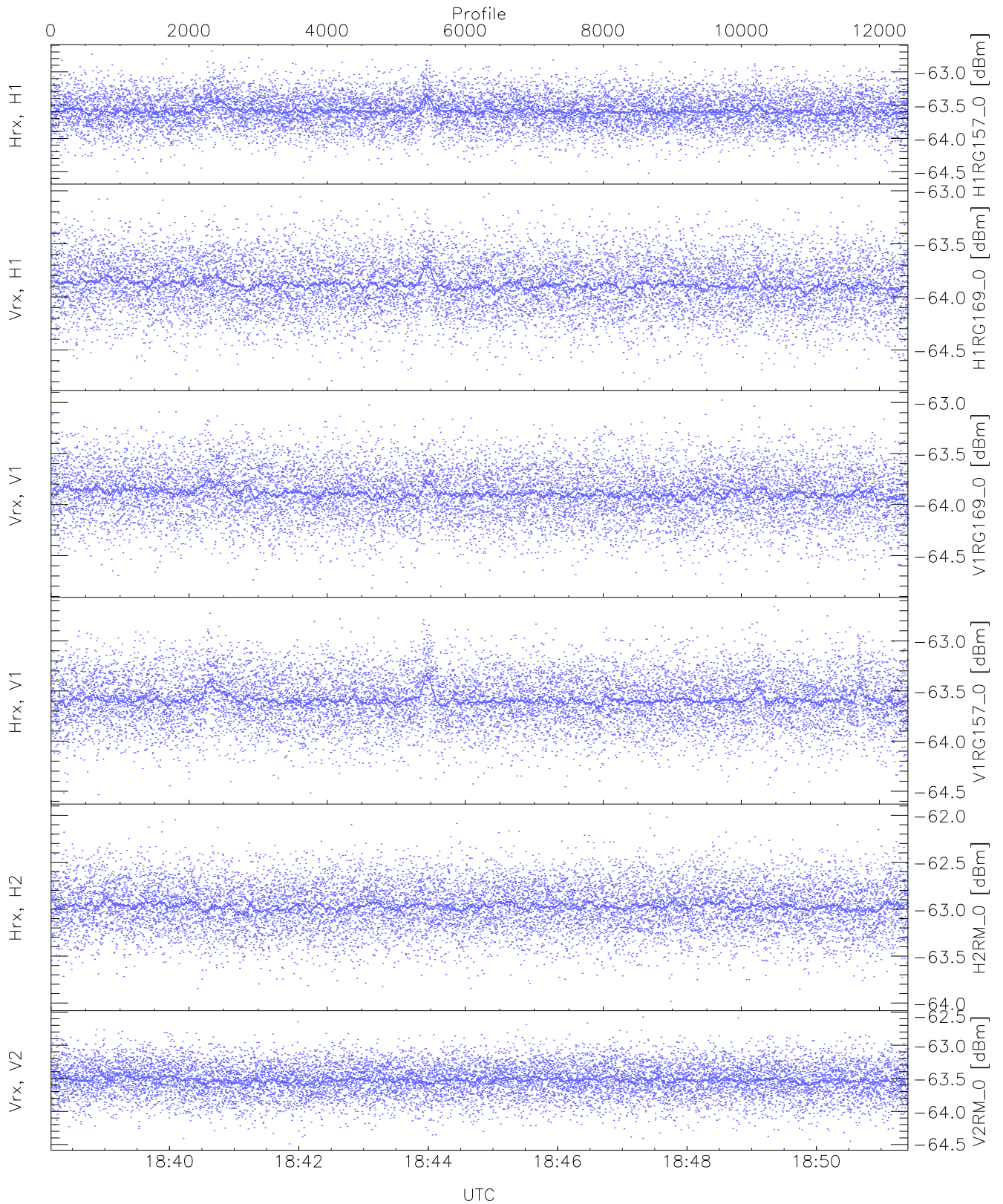
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (HL [dBm])	-63.65	-61.68	-62.66	-62.66	-75.10
Vrx, H1 (HL [dBm])	-64.11	-62.10	-63.00	-63.01	-75.39
Vrx, V1 (HL [dBm])	-63.93	-62.09	-63.00	-63.01	-75.42
Hrx, V1 (HL [dBm])	-63.65	-61.80	-62.66	-62.66	-75.16
Hrx, H2 (HL [dBm])	-63.58	-61.74	-62.66	-62.66	-75.13
Vrx, V2 (HL [dBm])	-64.10	-62.13	-63.00	-63.01	-75.43



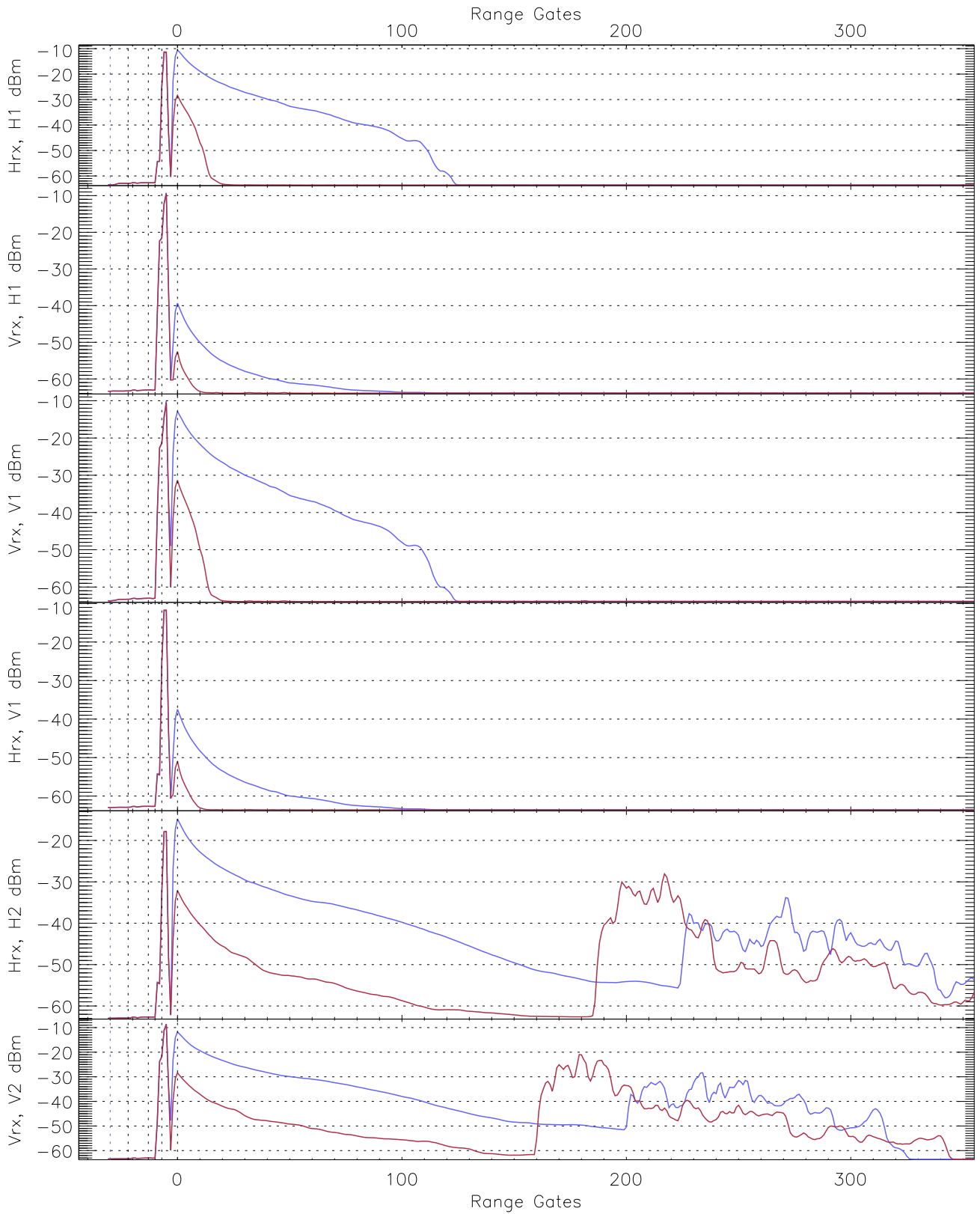
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (RM [dBm])	-64.49	-62.56	-63.52	-63.53	-75.95
Vrx, H1 (RM [dBm])	-64.42	-62.51	-63.37	-63.38	-75.80
Vrx, V1 (RM [dBm])	-64.73	-62.47	-63.71	-63.72	-76.09
Hrx, V1 (RM [dBm])	-64.02	-62.01	-62.95	-62.96	-75.41
Hrx, H2 (RM [dBm])	-63.98	-61.98	-62.96	-62.97	-75.36
Vrx, V2 (RM [dBm])	-64.36	-62.45	-63.39	-63.40	-75.80

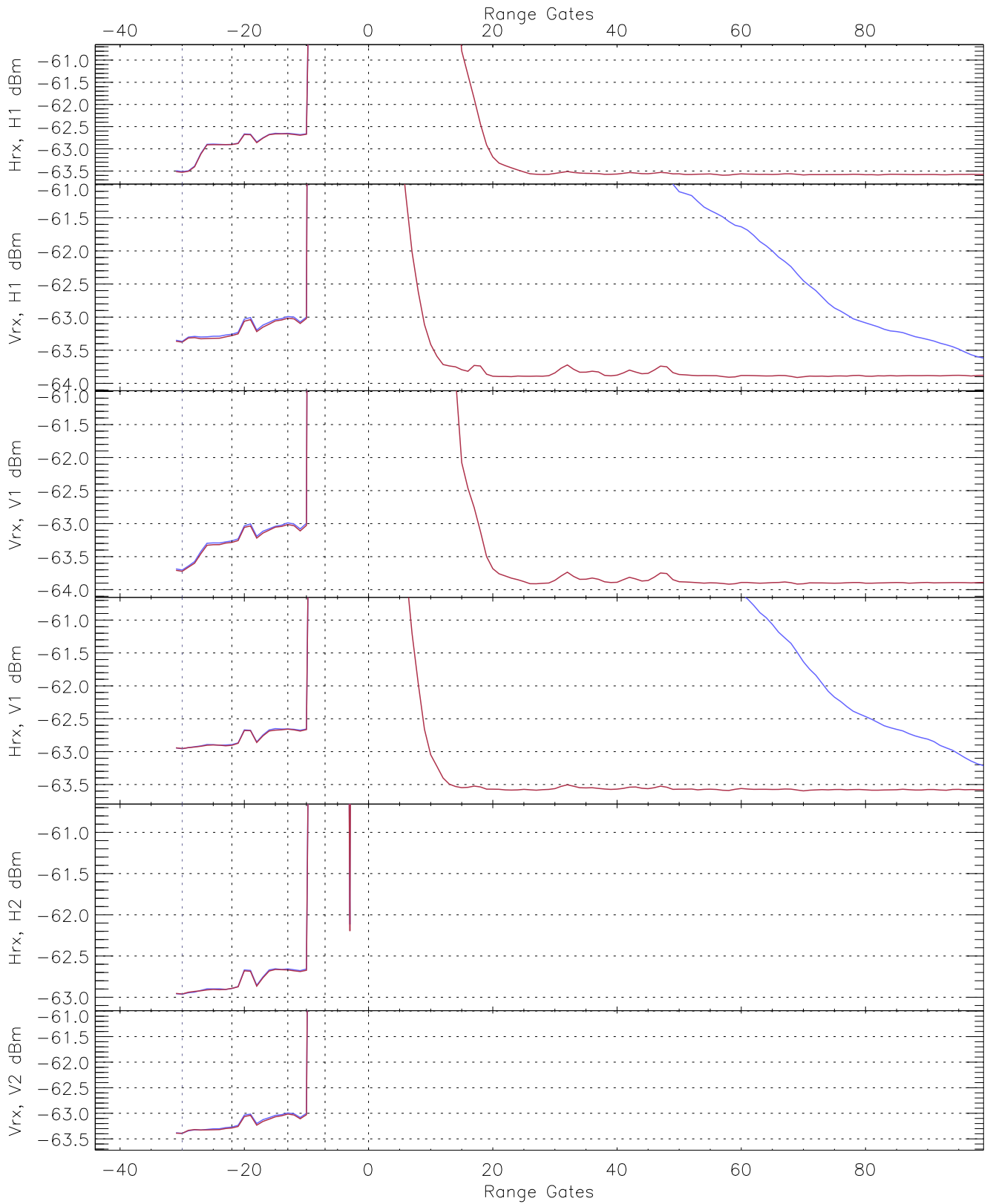


WCR2 CPP "Best" estimate Receivers Noise Power

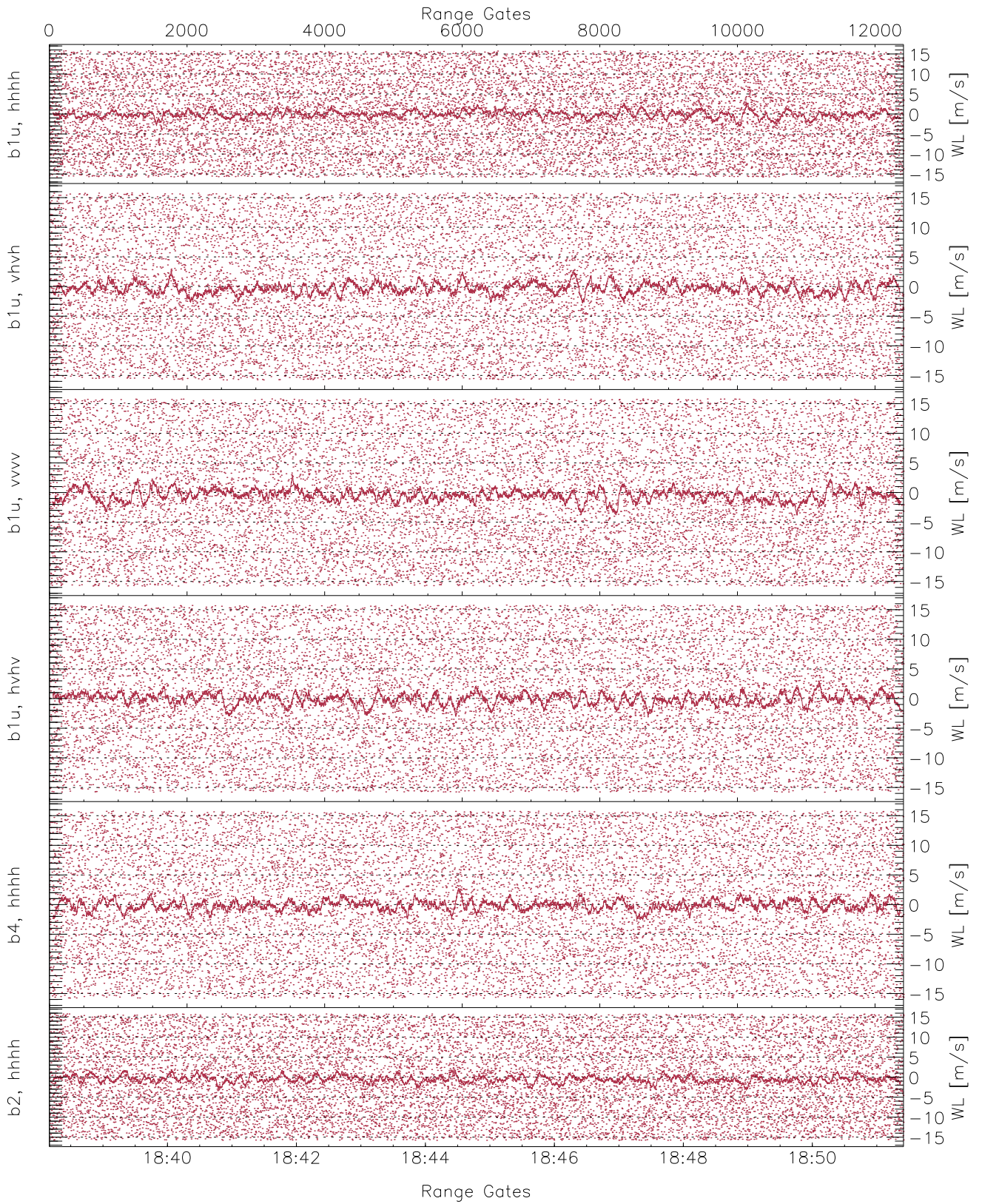
	Min	Max	Mean	Median	StDev
H1RG157_0 [dBm]	-64.59	-62.68	-63.58	-63.59	-76.02
H1RG169_0 [dBm]	-64.80	-63.03	-63.88	-63.88	-76.29
V1RG169_0 [dBm]	-64.82	-62.98	-63.88	-63.89	-76.28
V1RG157_0 [dBm]	-64.53	-62.66	-63.58	-63.59	-75.97
H2RM_0 [dBm]	-63.98	-61.98	-62.96	-62.97	-75.36
V2RM_0 [dBm]	-64.49	-62.57	-63.52	-63.52	-75.93



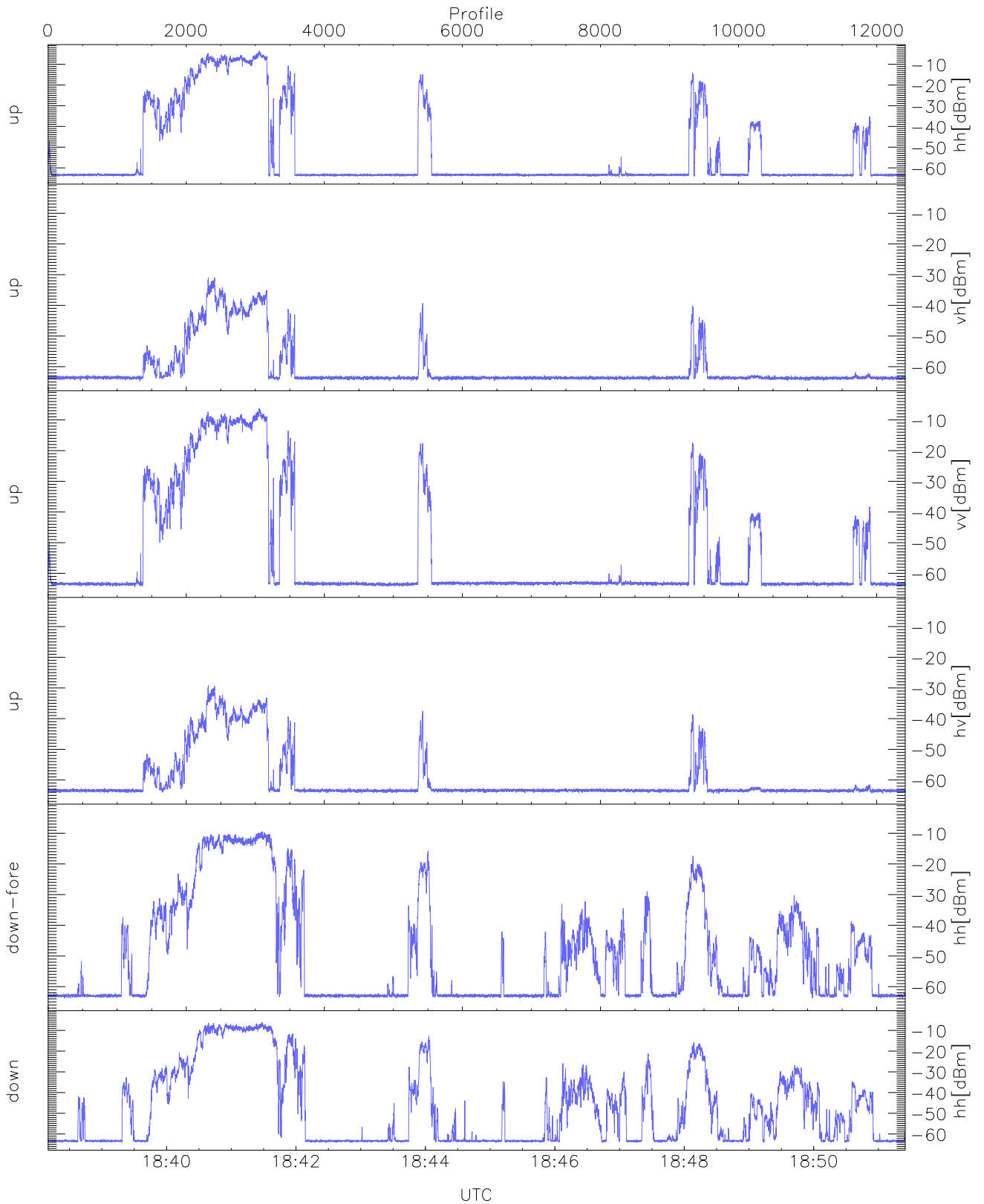
WCR2 CPP Averaged Received power for all recorded gates
blue: 183810-184448, 6208 profiles averaged
red: 184448-185125, 6208 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 183810-184448, 6208 profiles averaged
red: 184448-185125, 6208 profiles averaged

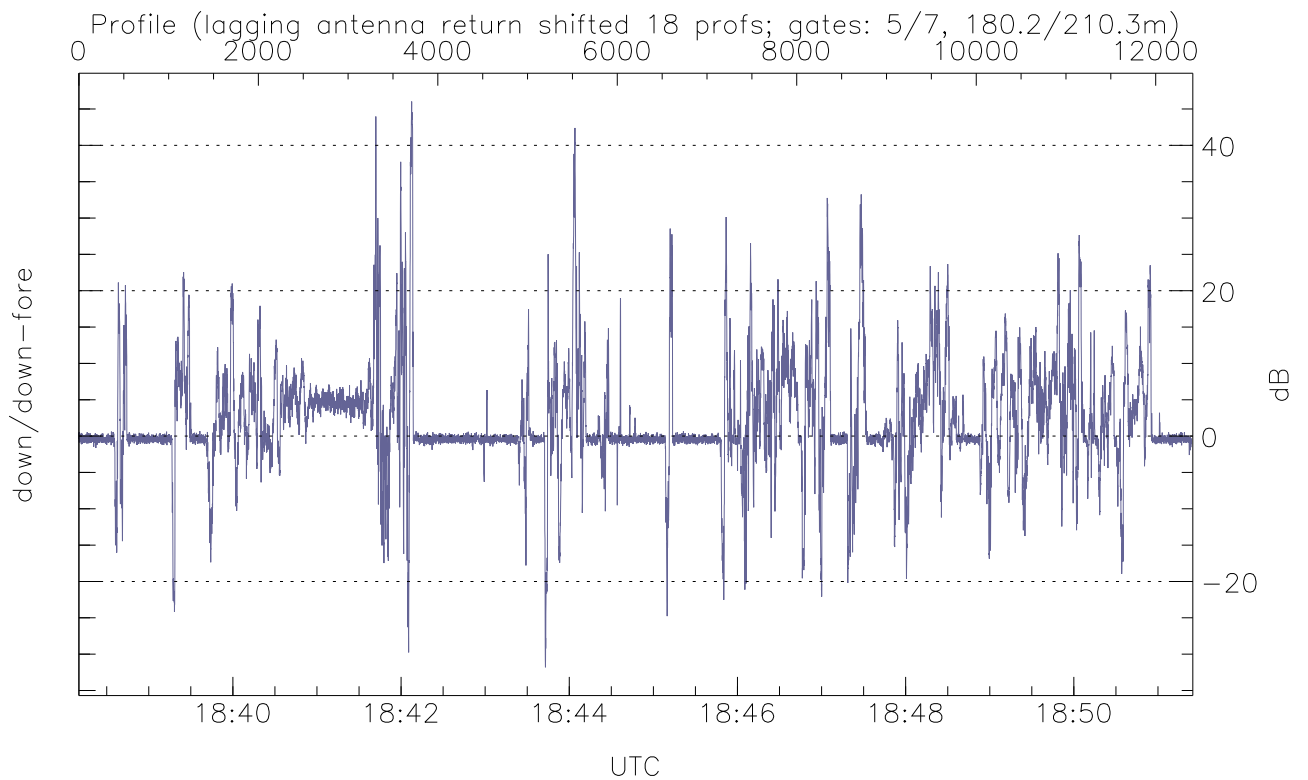
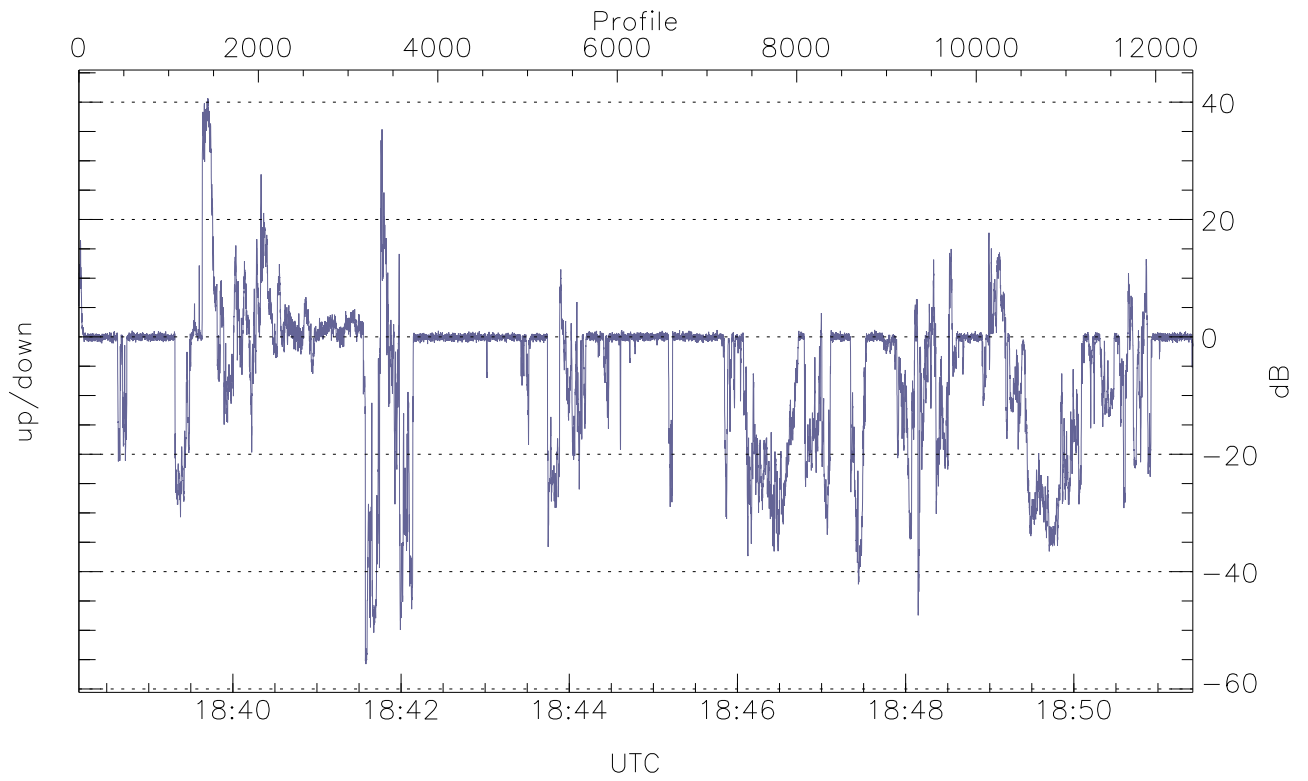


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



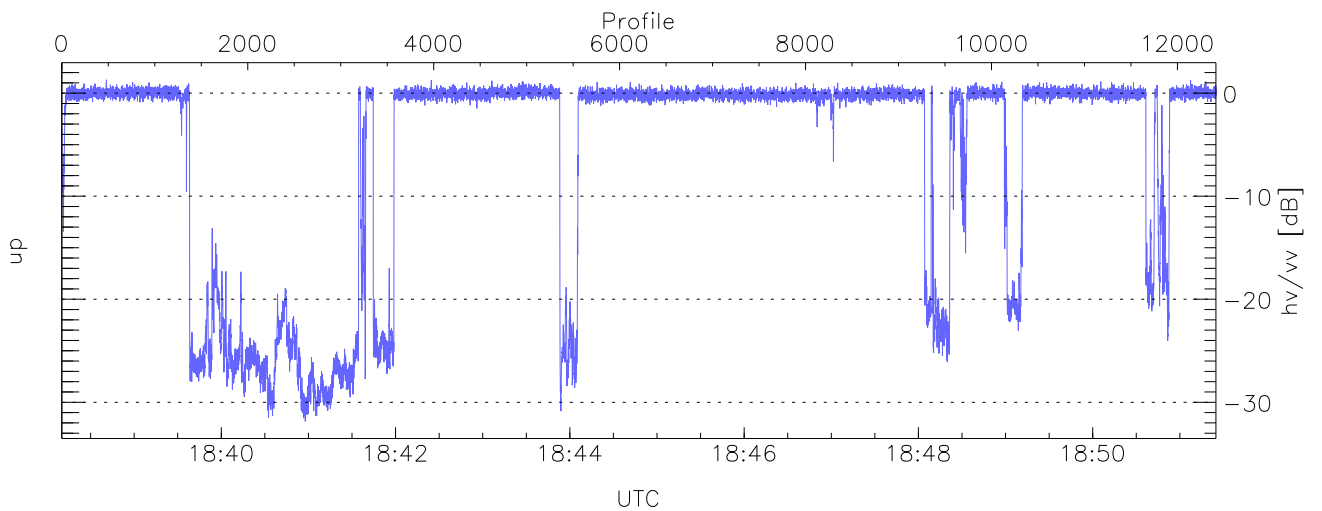
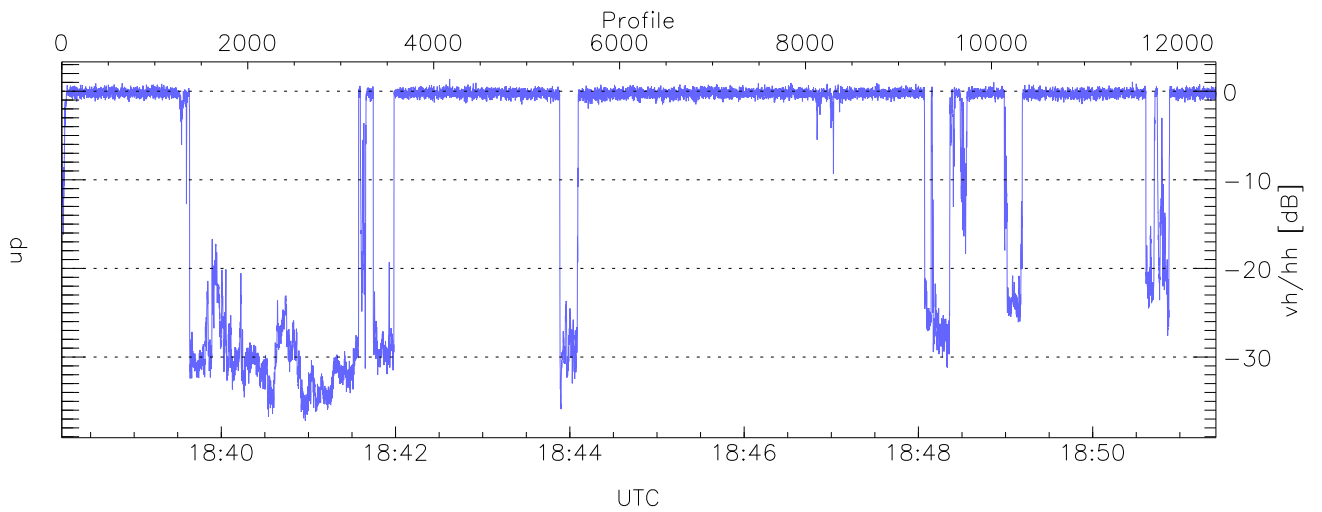
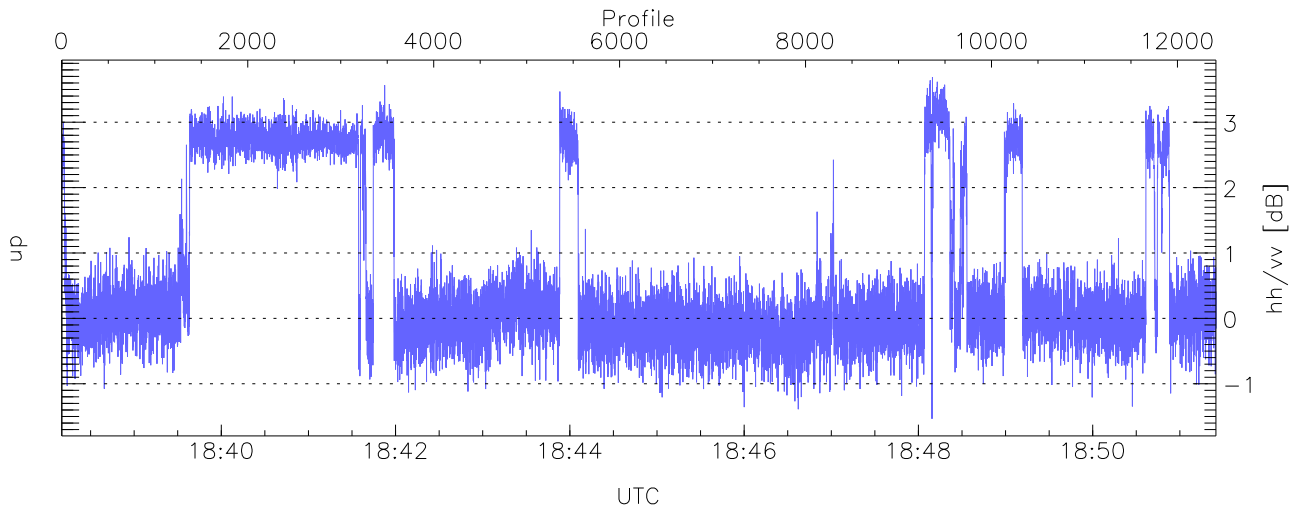
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

	Min	Max	Mean
up(hh[dBm])	-64.32	-3.54	-18.36
up(vh[dBm])	-64.78	-30.92	-48.83
up(vv[dBm])	-64.47	-6.20	-21.08
up(hv[dBm])	-64.43	-29.22	-47.02
down-fore(hh[dBm])	-63.84	-9.43	-22.60
down(hh[dBm])	-64.24	-6.08	-19.31



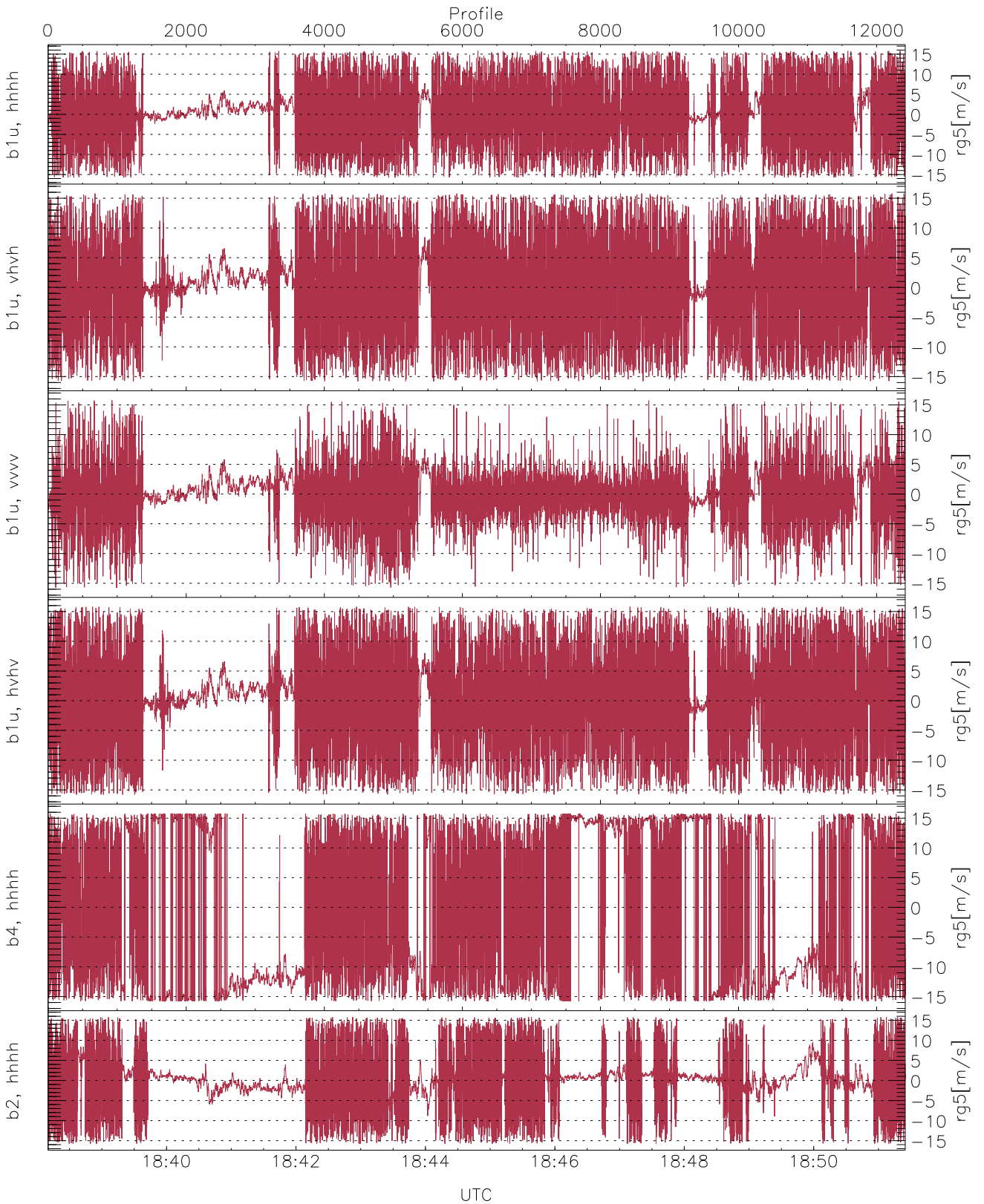
WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up/down (dB)	-55.76	40.65	-5.39
down/down-fore (dB)	-31.80	46.03	2.29



WCR2 Co- and Cross-pol Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up(hh/vv [dB])	-1.54	3.69	0.86
up(vh/hh [dB])	-37.18	1.38	-1.48
up(hv/vv [dB])	-31.86	1.30	-1.28



WCR2 CPP Doppler Velocity Products at 180.2 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.80	15.80	0.16	6.65
b1u, vvhv(rg5[m/s])	-15.80	15.79	-0.09	7.17
b1u, vvvv(rg5[m/s])	-15.78	15.79	-0.03	4.12
b1u, hvhv(rg5[m/s])	-15.80	15.80	0.18	7.07
b4, hhhh(rg5[m/s])	-15.80	15.80	-1.11	11.64
b2, hhhh(rg5[m/s])	-15.80	15.79	-0.12	6.19