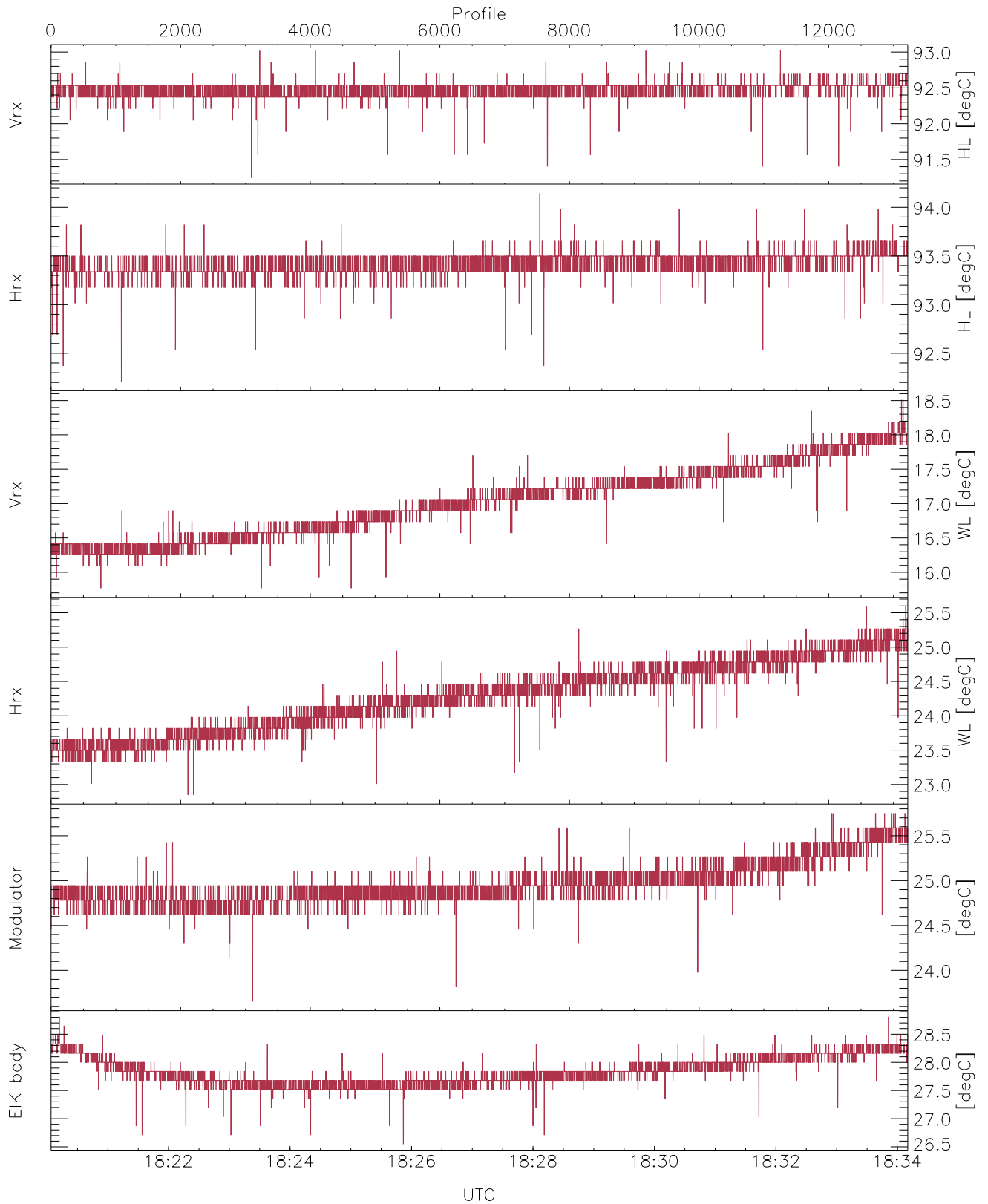


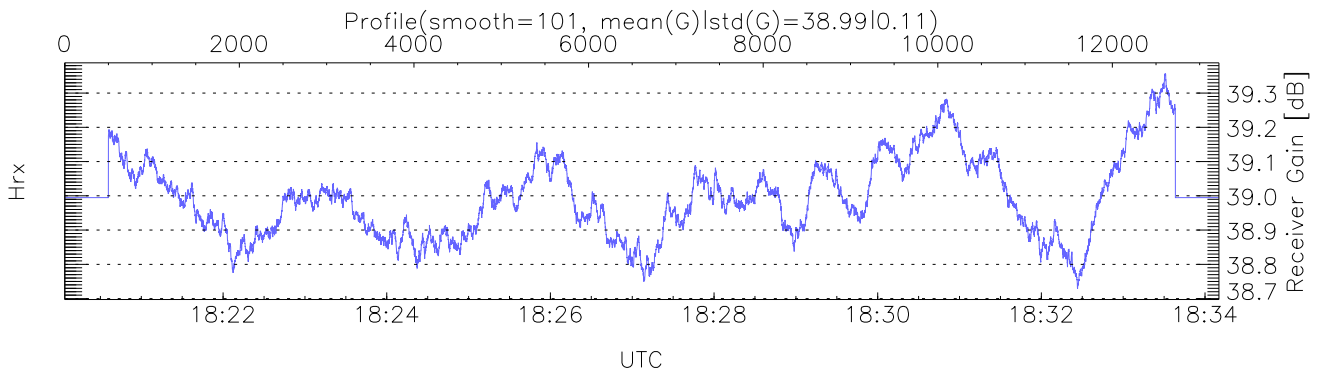
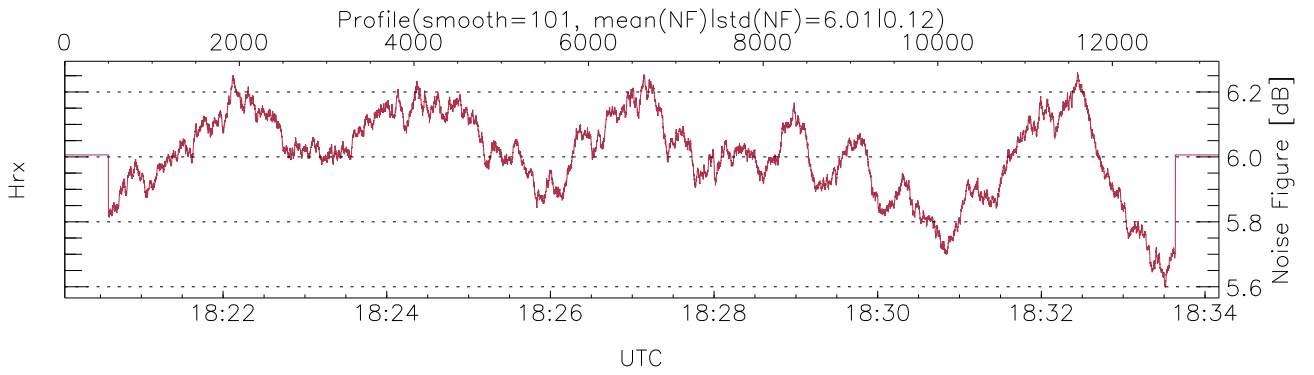
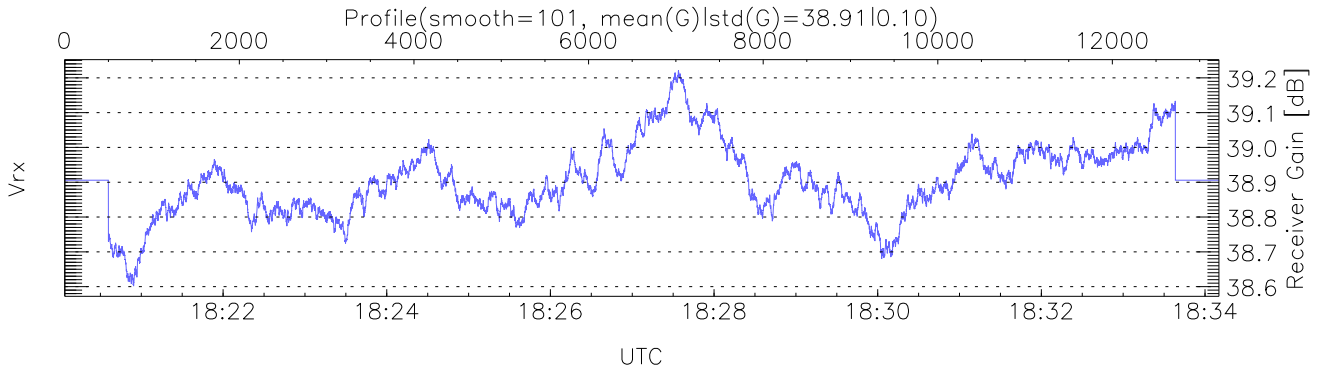
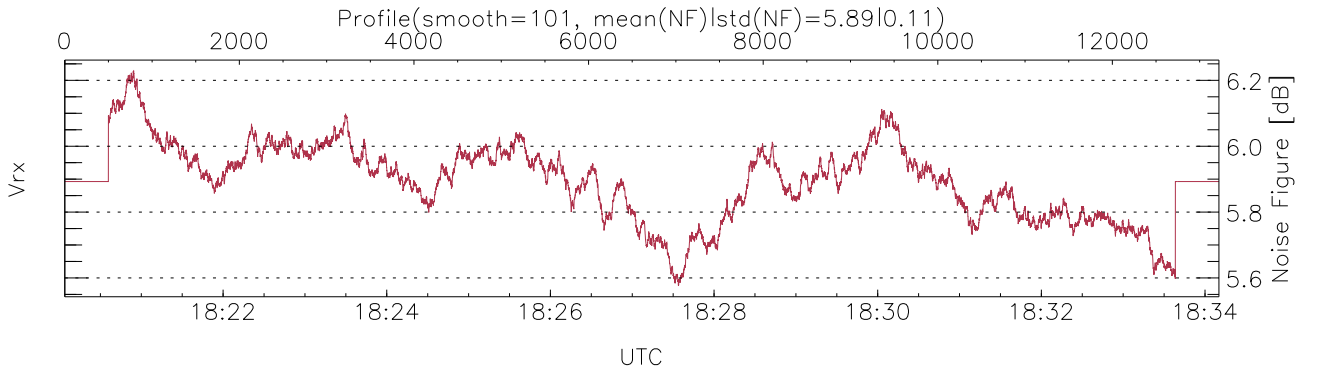
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:20:04-18:34:10, Dur: 846.36s
 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): 13222/13222, 0-13221/18:20:04-18:34:10
 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 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



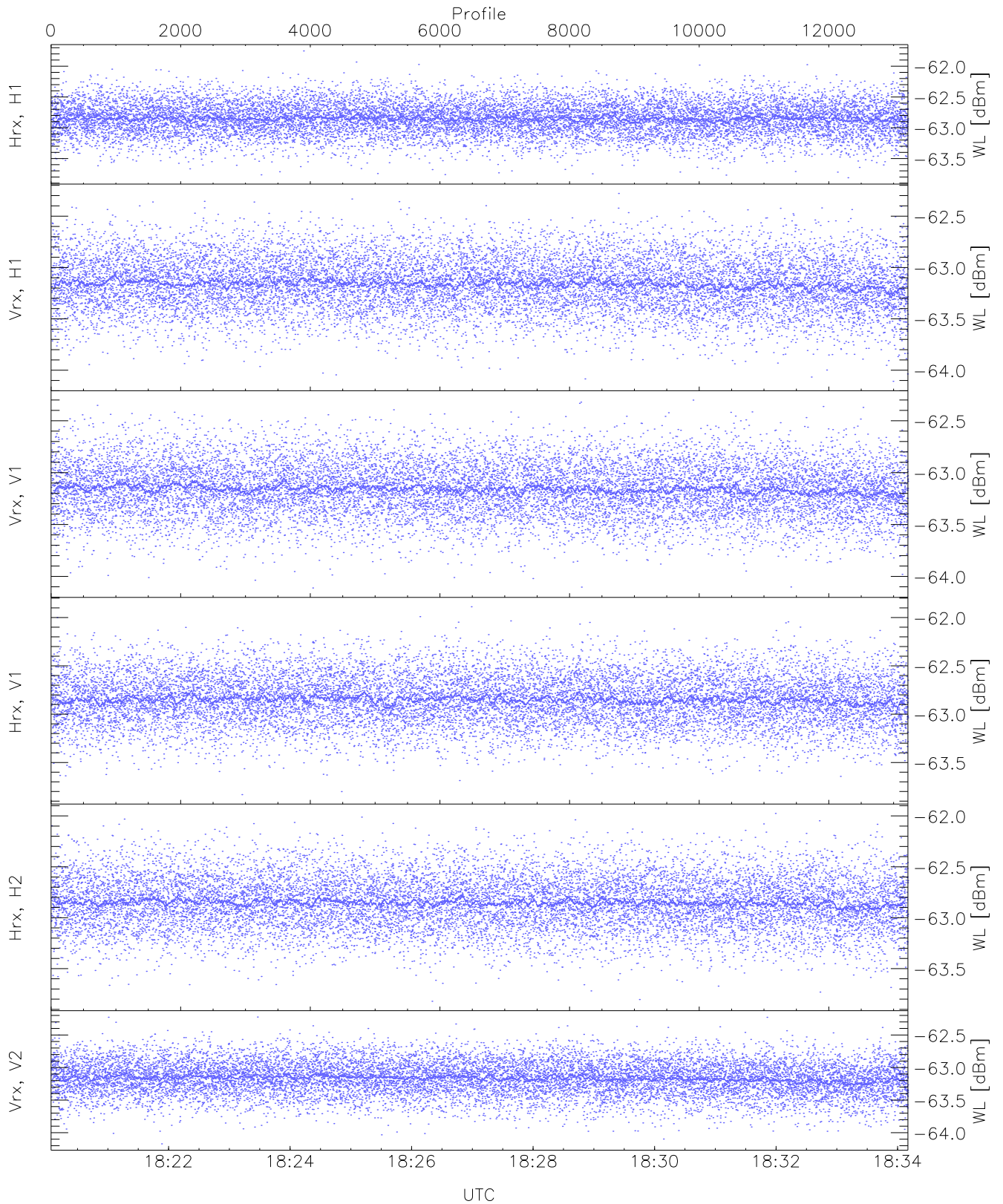
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,15,22,23,26
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,18,25,25,28
 LOalarm(20,80,240,2.8,14.8 MHz): None
 EIK Faults(# prof affected):
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (4,4,4,4,8,4)



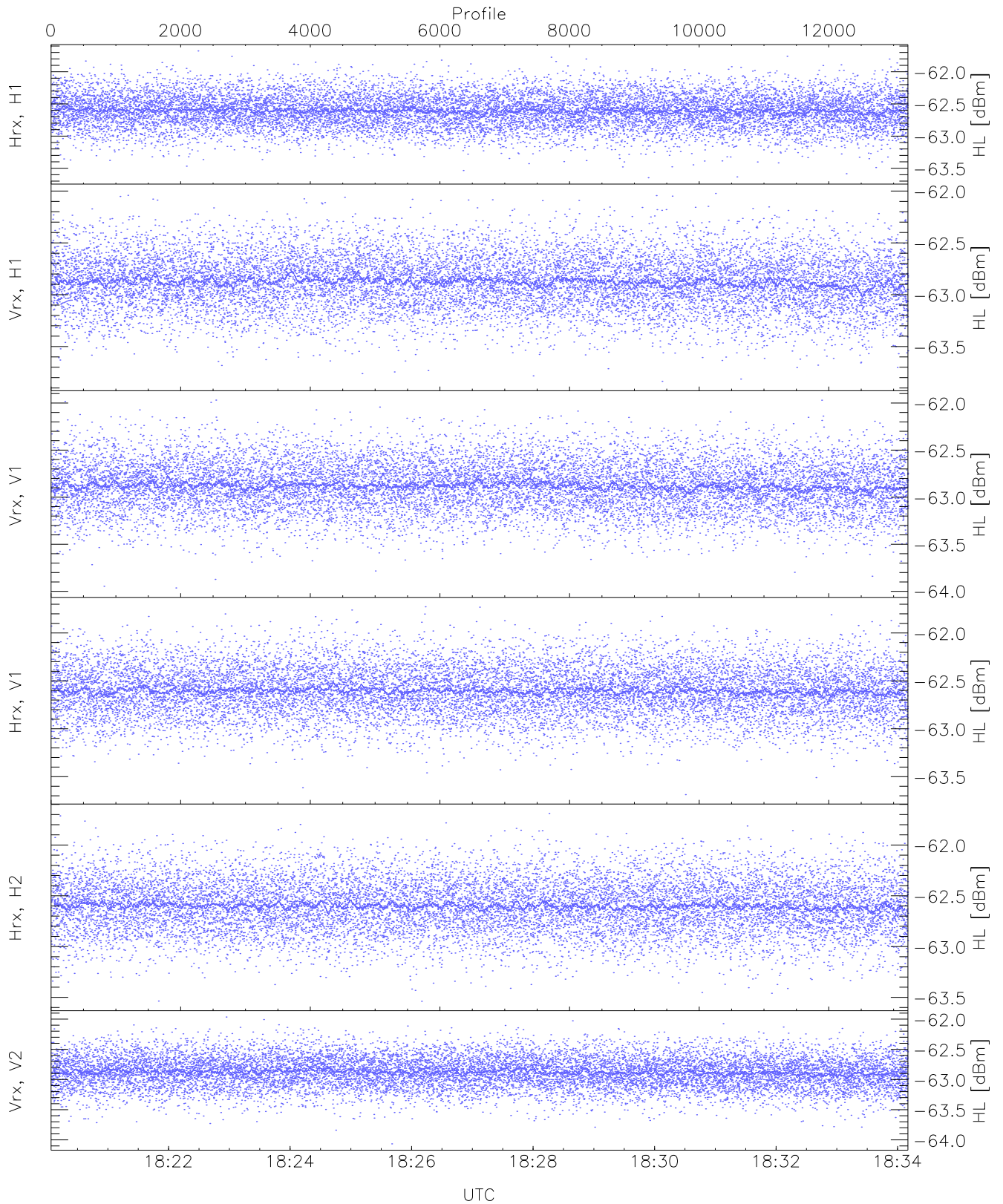
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 120 pixs, 4 gates, 119 profs, 1 prods



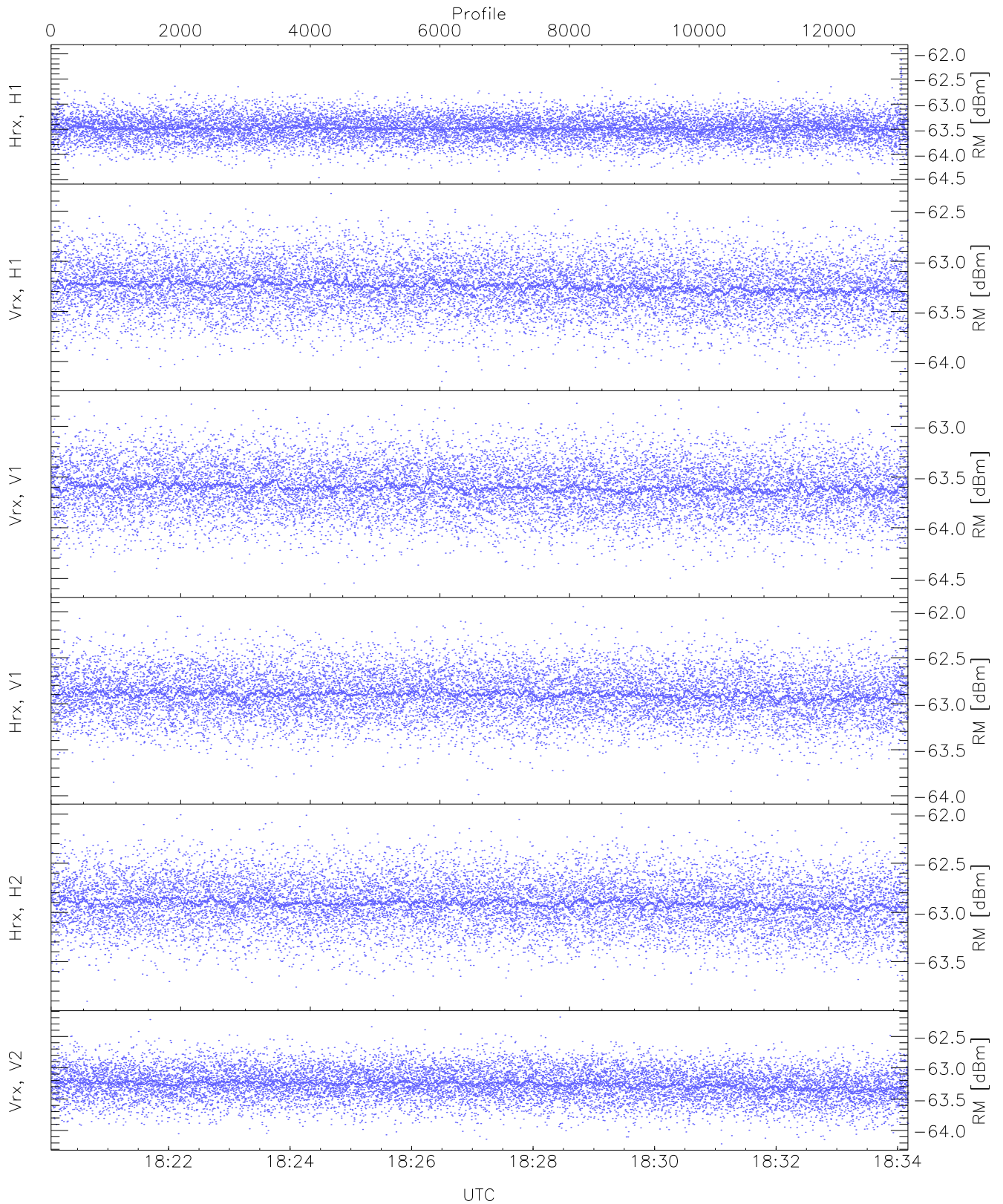
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (WL [dBm])	-63.81	-61.75	-62.85	-62.85	-75.27
Vrx, H1 (WL [dBm])	-64.11	-62.28	-63.16	-63.16	-75.59
Vrx, V1 (WL [dBm])	-64.11	-62.30	-63.15	-63.16	-75.64
Hrx, V1 (WL [dBm])	-63.83	-61.89	-62.85	-62.85	-75.30
Hrx, H2 (WL [dBm])	-63.82	-61.98	-62.85	-62.85	-75.31
Vrx, V2 (WL [dBm])	-64.17	-62.22	-63.16	-63.16	-75.59



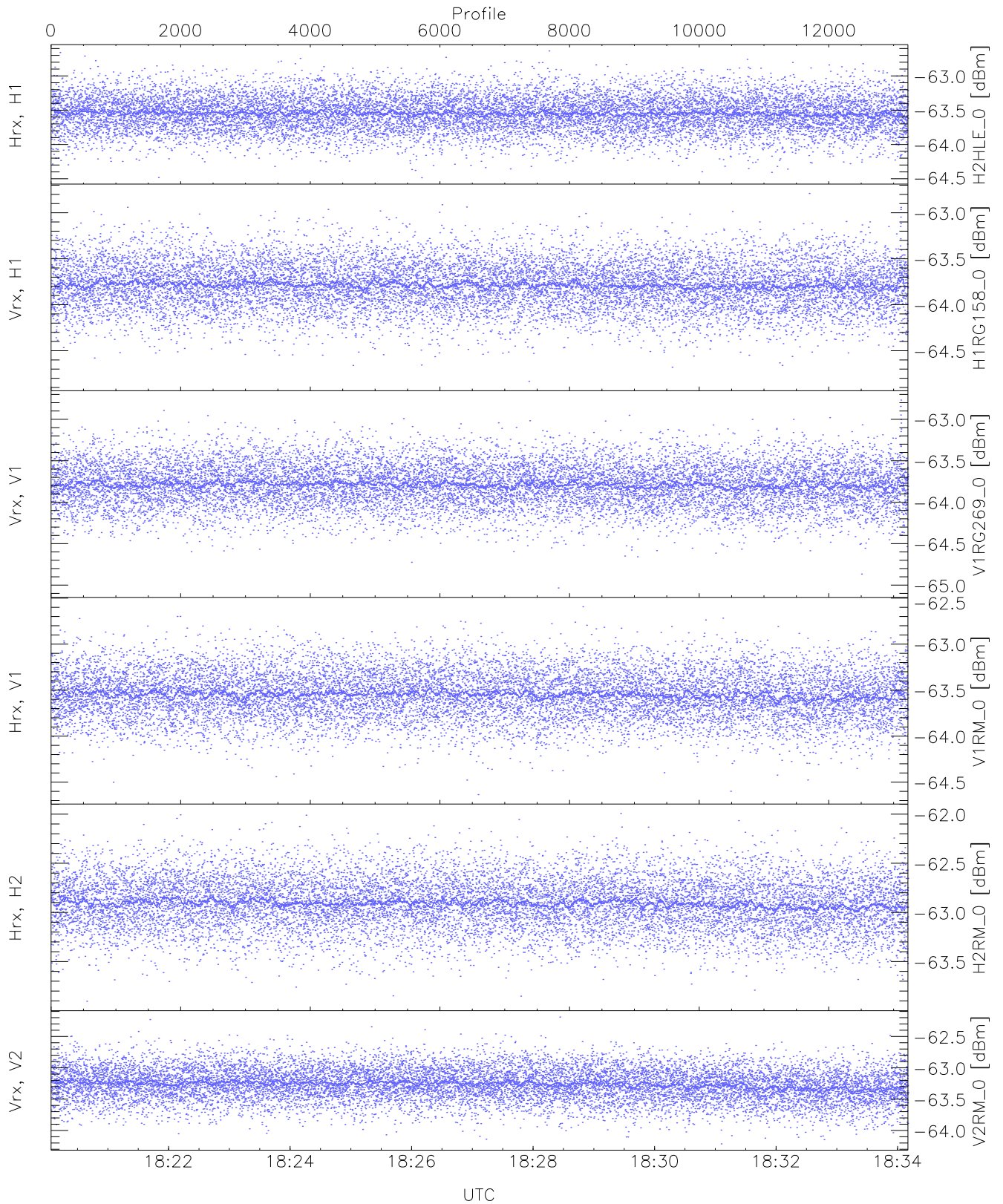
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (HL [dBm])	-63.65	-61.68	-62.60	-62.61	-75.06
Vrx, H1 (HL [dBm])	-63.84	-62.02	-62.87	-62.87	-75.32
Vrx, V1 (HL [dBm])	-63.96	-61.97	-62.88	-62.88	-75.27
Hrx, V1 (HL [dBm])	-63.69	-61.73	-62.60	-62.61	-75.08
Hrx, H2 (HL [dBm])	-63.54	-61.69	-62.60	-62.60	-75.06
Vrx, V2 (HL [dBm])	-64.07	-61.97	-62.88	-62.88	-75.30



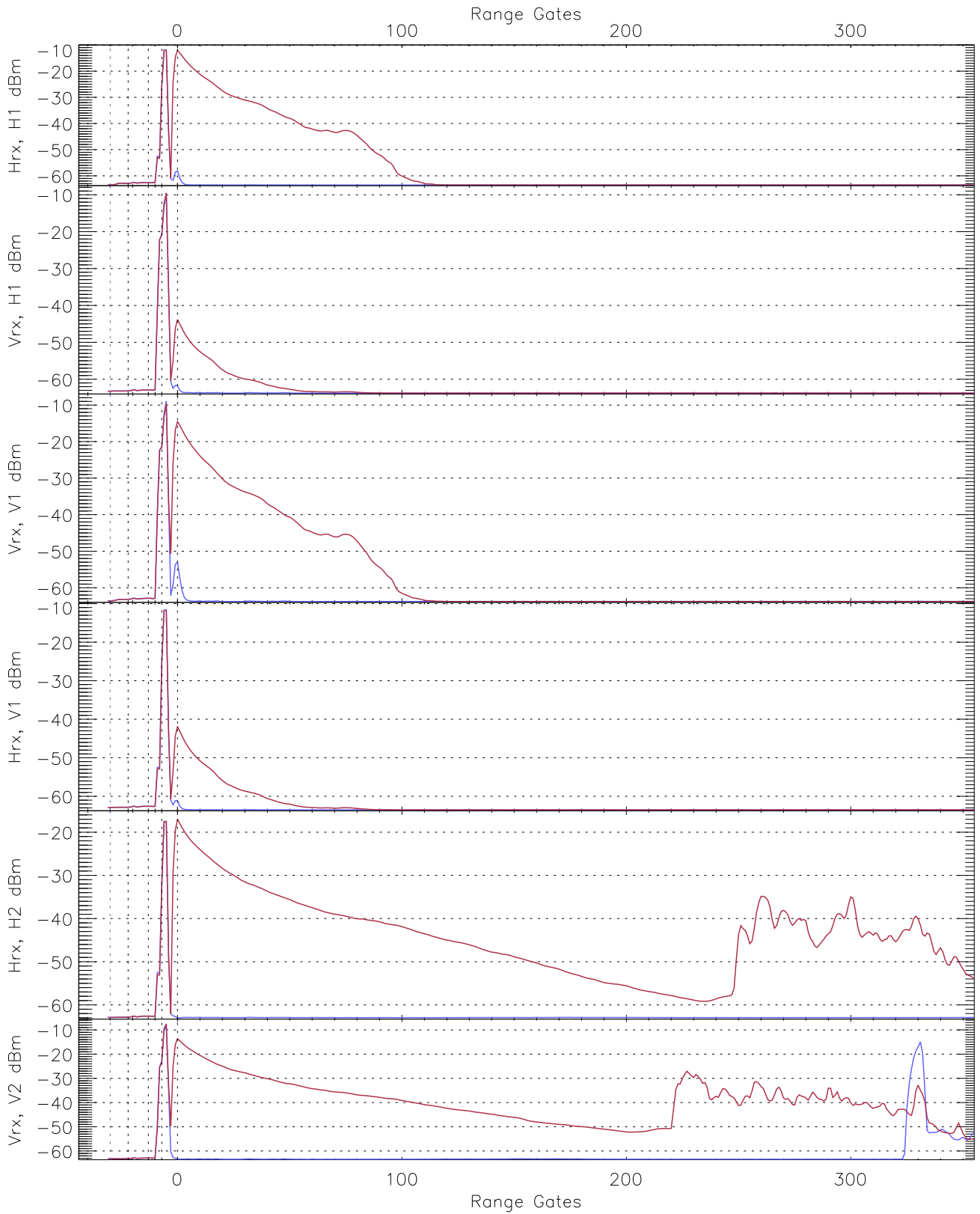
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (RM [dBm])	-64.46	-61.94	-63.48	-63.48	-75.86
Vrx, H1 (RM [dBm])	-64.20	-62.32	-63.25	-63.25	-75.69
Vrx, V1 (RM [dBm])	-64.59	-62.74	-63.60	-63.61	-76.01
Hrx, V1 (RM [dBm])	-63.99	-61.95	-62.90	-62.90	-75.33
Hrx, H2 (RM [dBm])	-63.90	-61.99	-62.90	-62.91	-75.31
Vrx, V2 (RM [dBm])	-64.21	-62.19	-63.26	-63.27	-75.67

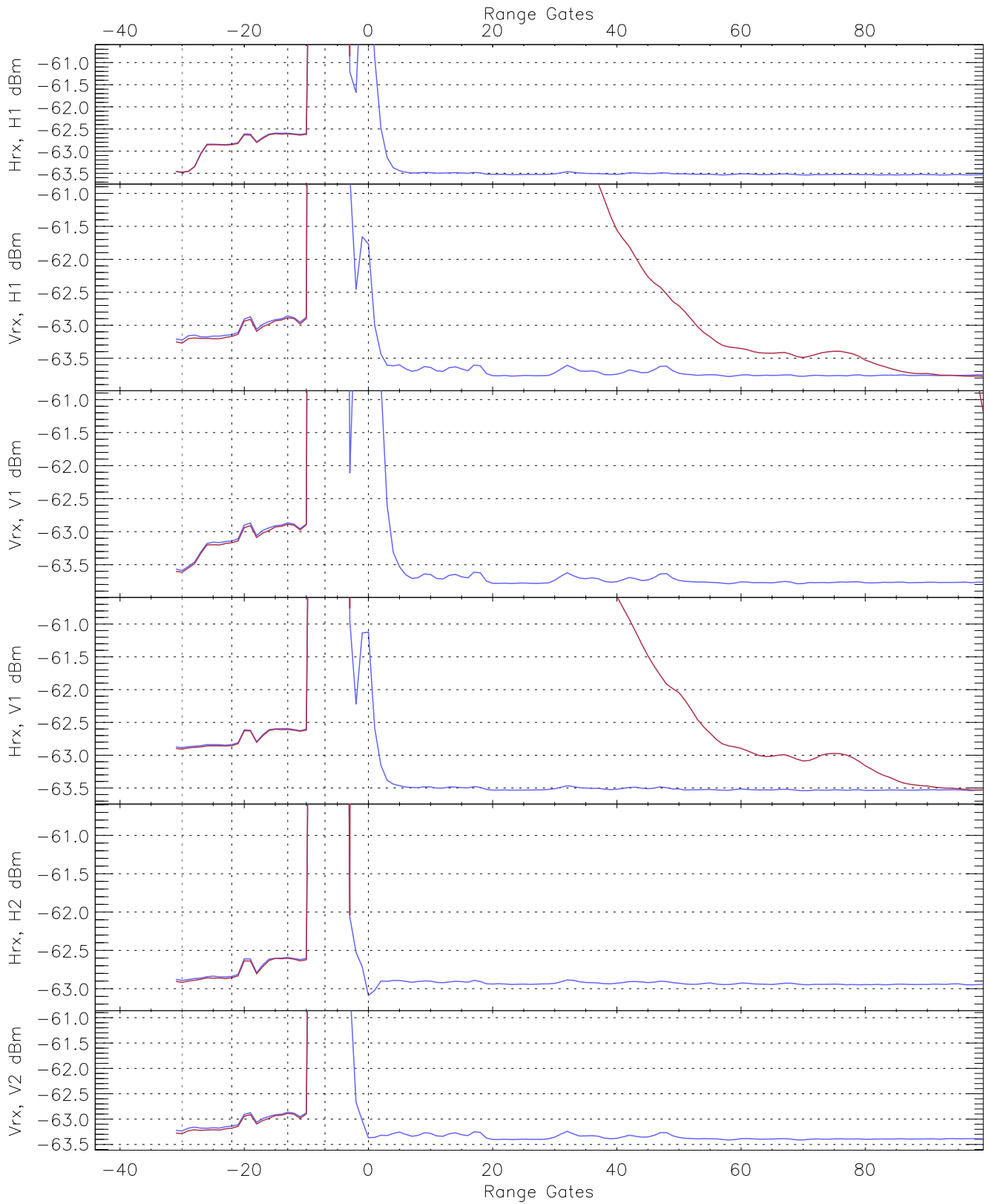


WCR2 CPP "Best" estimate Receivers Noise Power

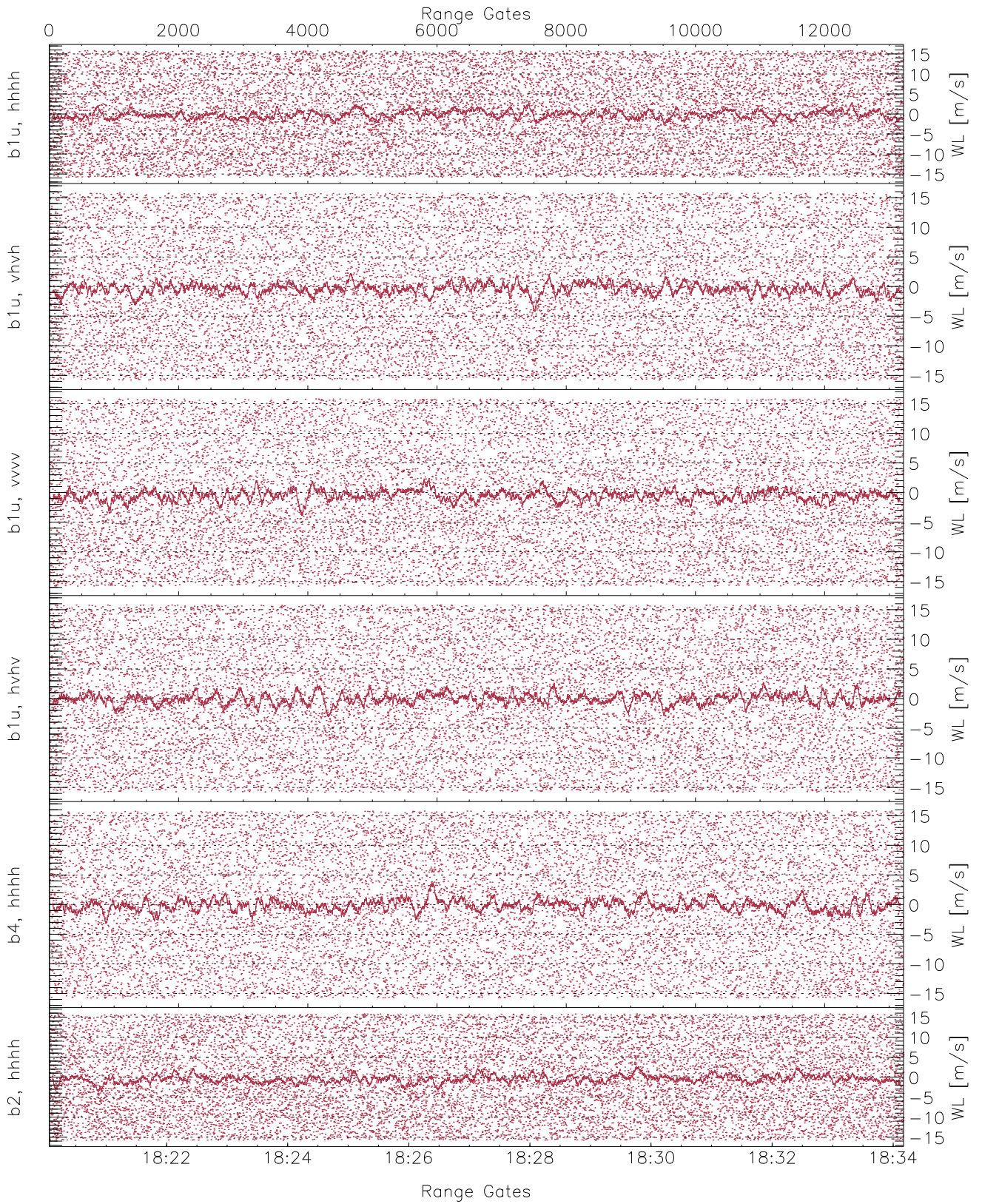
	Min	Max	Mean	Median	StDev
H2HLE_0 [dBm]	-64.49	-62.64	-63.54	-63.55	-76.01
H1RG158_0 [dBm]	-64.83	-62.79	-63.78	-63.79	-76.24
V1RG269_0 [dBm]	-65.03	-62.77	-63.78	-63.79	-76.19
V1RM_0 [dBm]	-64.64	-62.59	-63.54	-63.55	-75.98
H2RM_0 [dBm]	-63.90	-61.99	-62.90	-62.91	-75.31
V2RM_0 [dBm]	-64.21	-62.19	-63.26	-63.27	-75.67



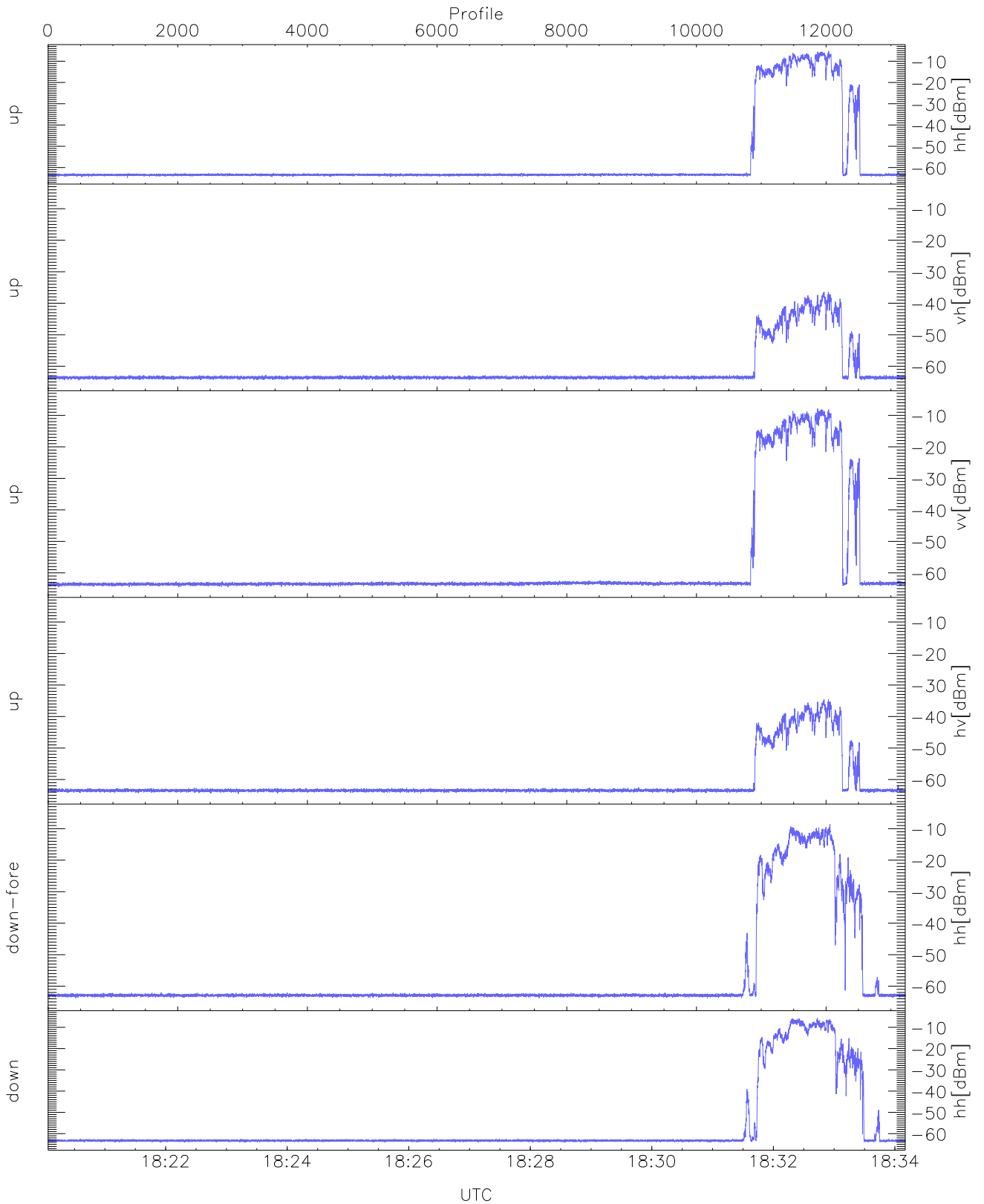
WCR2 CPP Averaged Received power for all recorded gates
blue: 182004-182707, 6612 profiles averaged
red: 182707-183410, 6611 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gates
blue: 182004-182707, 6612 profiles averaged
red: 182707-183410, 6611 profiles averaged

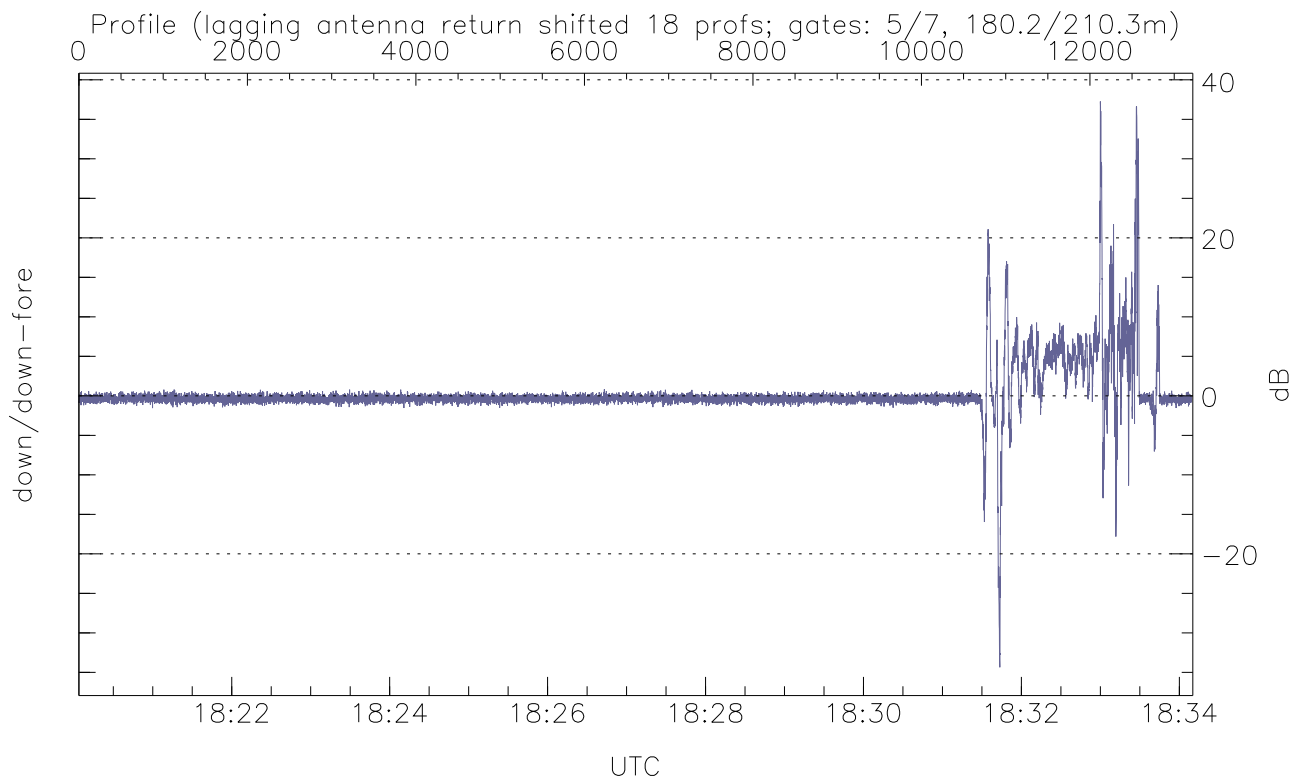
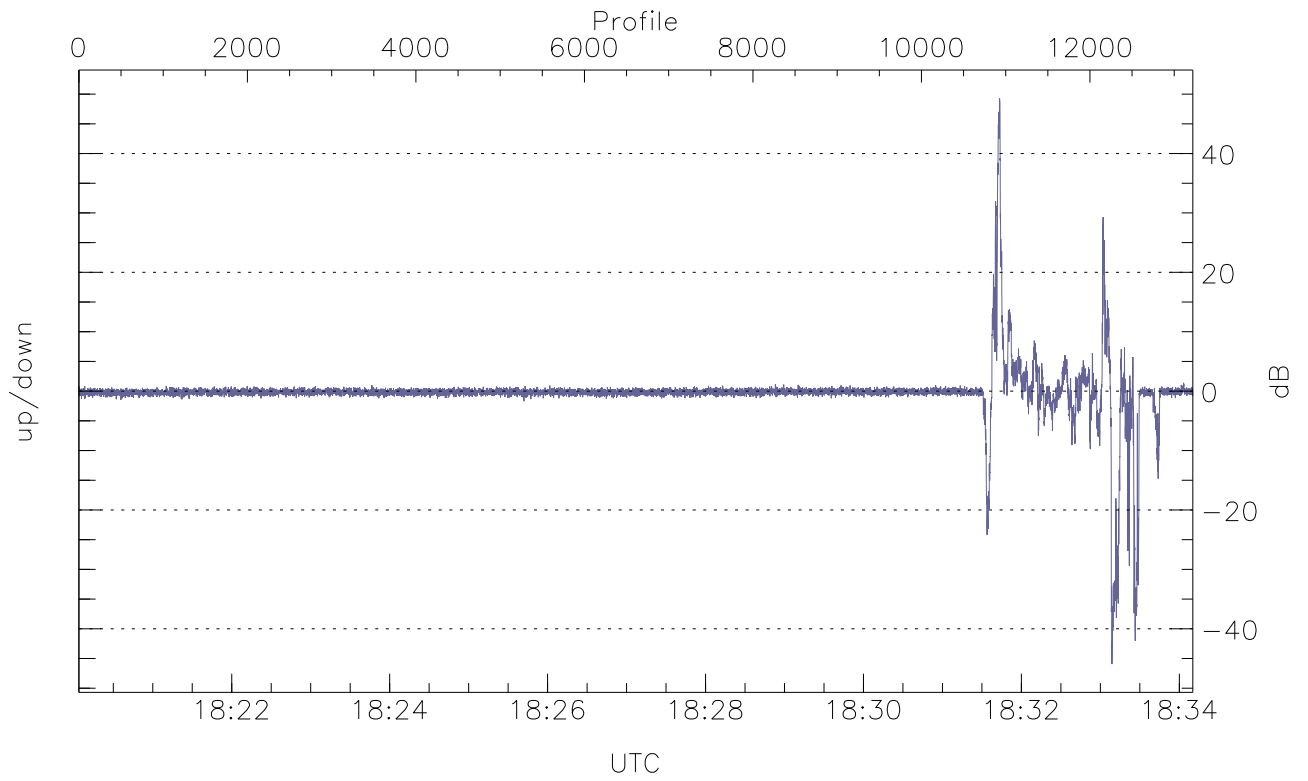


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



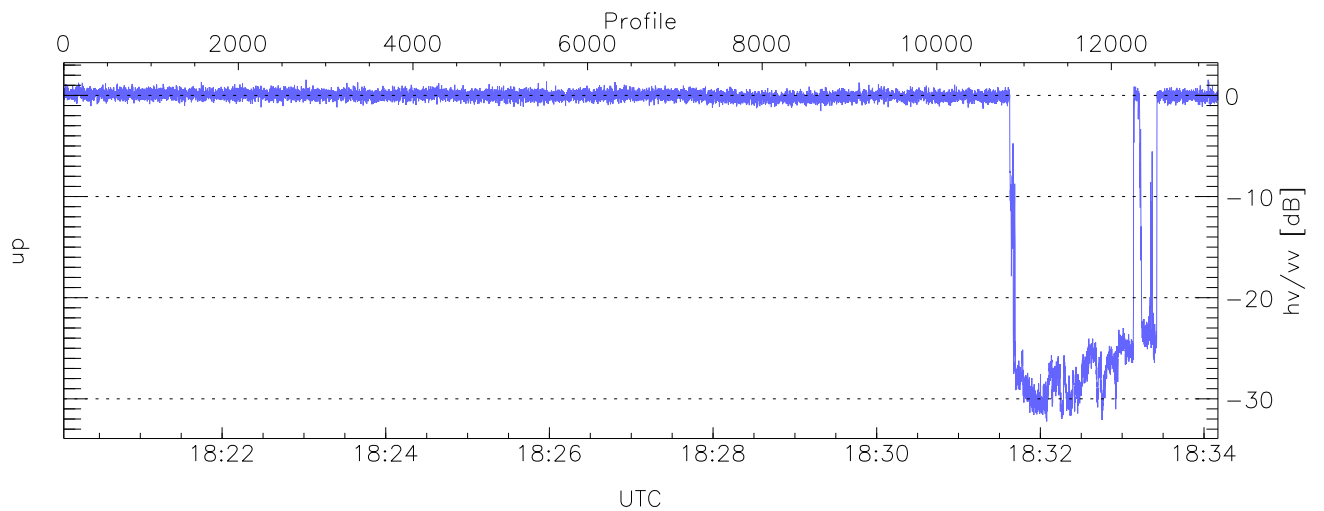
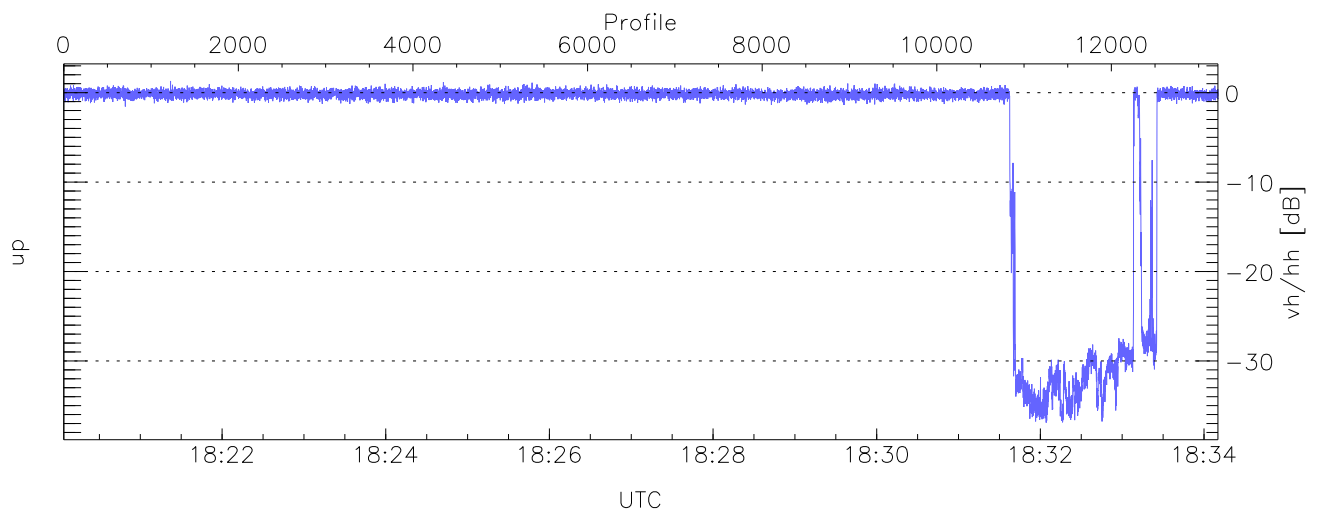
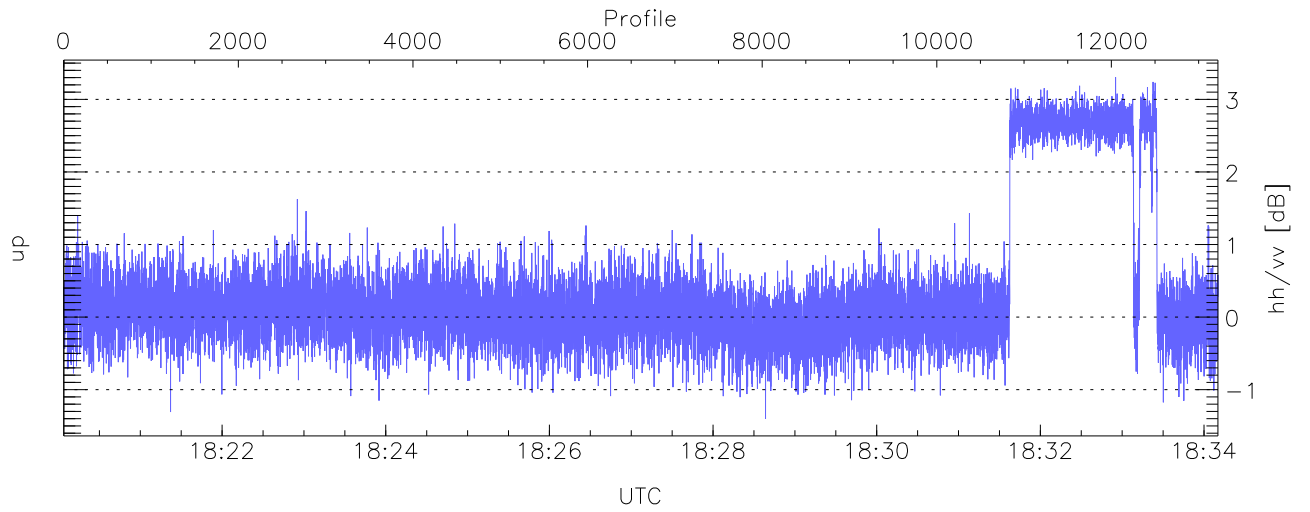
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

	Min	Max	Mean
up(hh[dBm])	-64.80	-5.16	-20.28
up(vh[dBm])	-64.47	-36.44	-52.13
up(vv[dBm])	-64.52	-7.83	-22.95
up(hv[dBm])	-64.54	-34.61	-50.33
down-fore(hh[dBm])	-63.80	-8.57	-24.29
down(hh[dBm])	-64.16	-5.62	-20.67



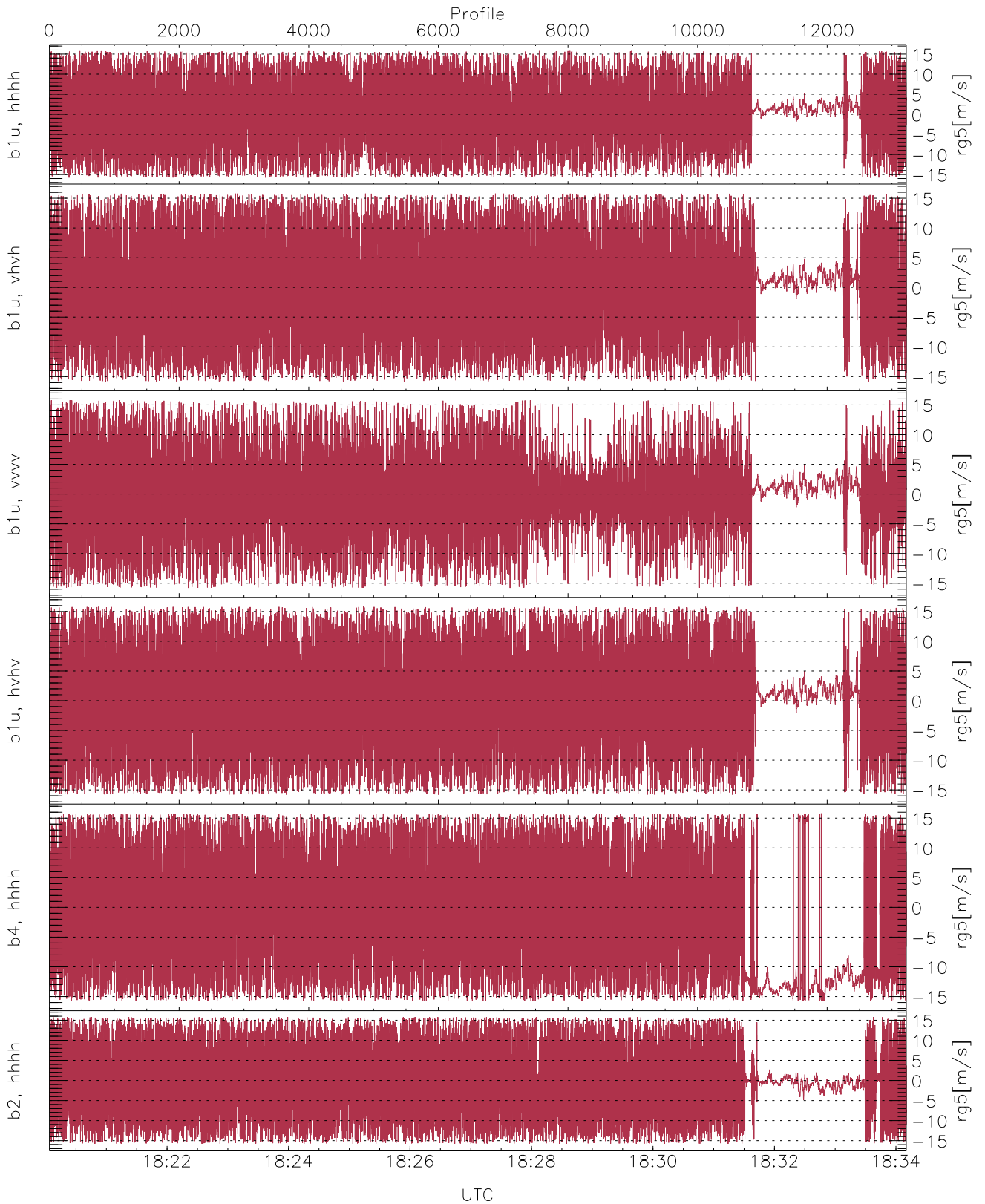
WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up/down (dB)	-45.94	49.29	-0.28
down/down-fore (dB)	-34.35	37.25	0.34



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

	Min	Max	Mean
up(hh/vv [dB])	-1.40	3.31	0.47
up(vh/hh [dB])	-36.90	1.31	-0.73
up(hv/vv [dB])	-32.24	1.55	-0.55



WCR2 CPP Doppler Velocity Products at 180.2 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.80	15.80	0.07	7.77
b1u, vvhv(rg5[m/s])	-15.80	15.80	-0.44	8.24
b1u, vvvv(rg5[m/s])	-15.80	15.79	-0.31	6.37
b1u, hvhv(rg5[m/s])	-15.80	15.79	0.02	8.24
b4, hhhh(rg5[m/s])	-15.80	15.80	-1.79	9.62
b2, hhhh(rg5[m/s])	-15.80	15.80	-0.57	8.41