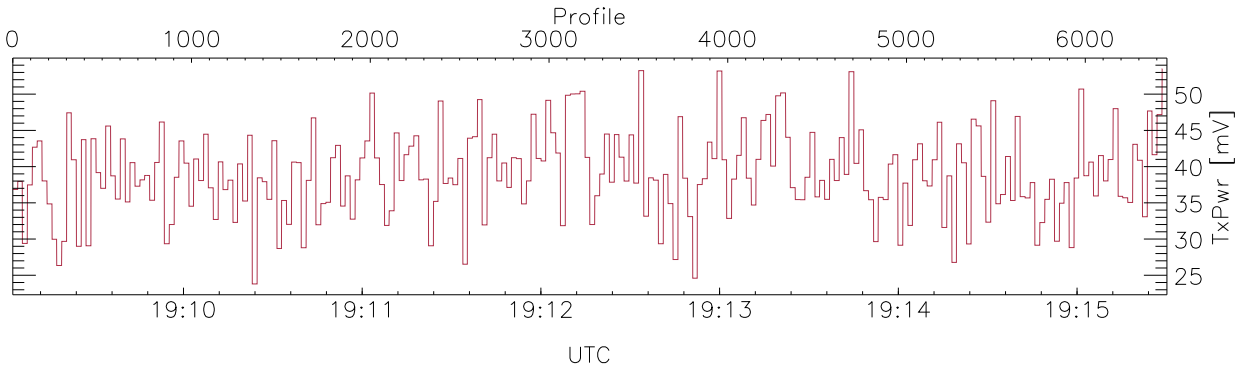
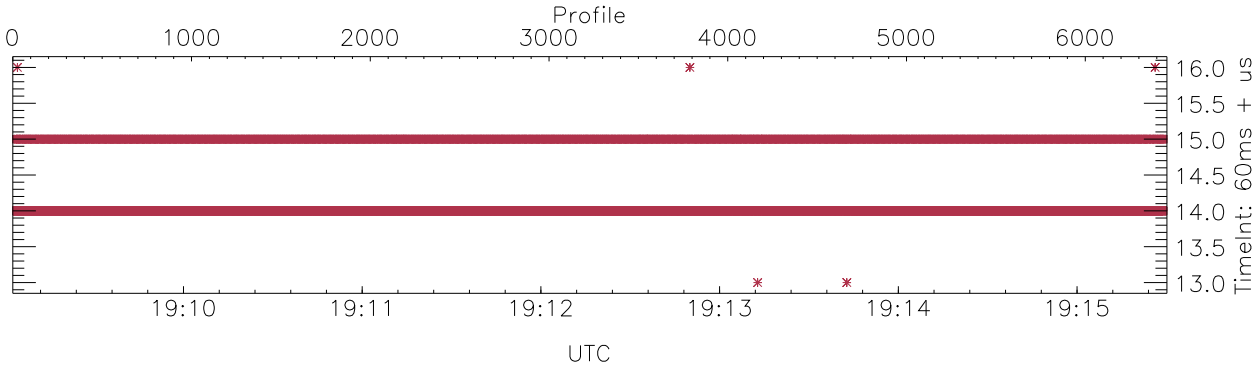
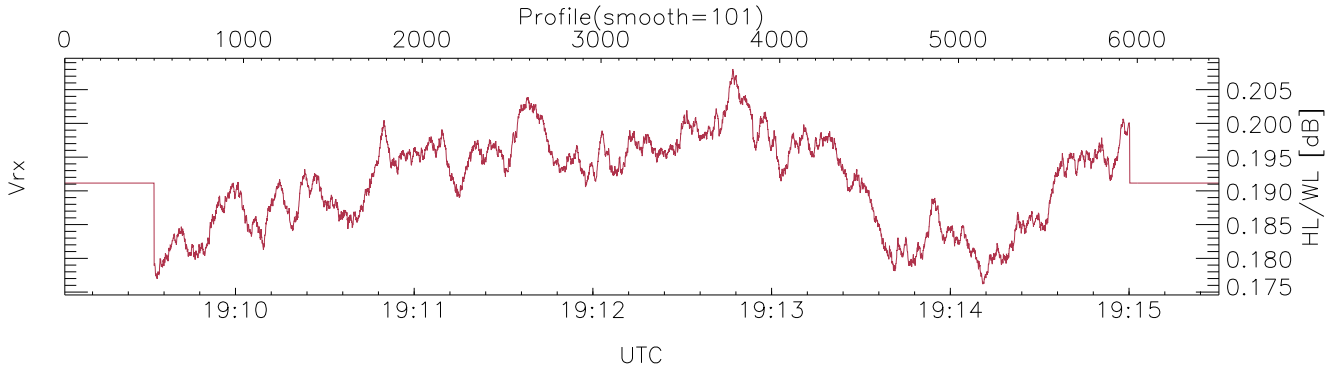
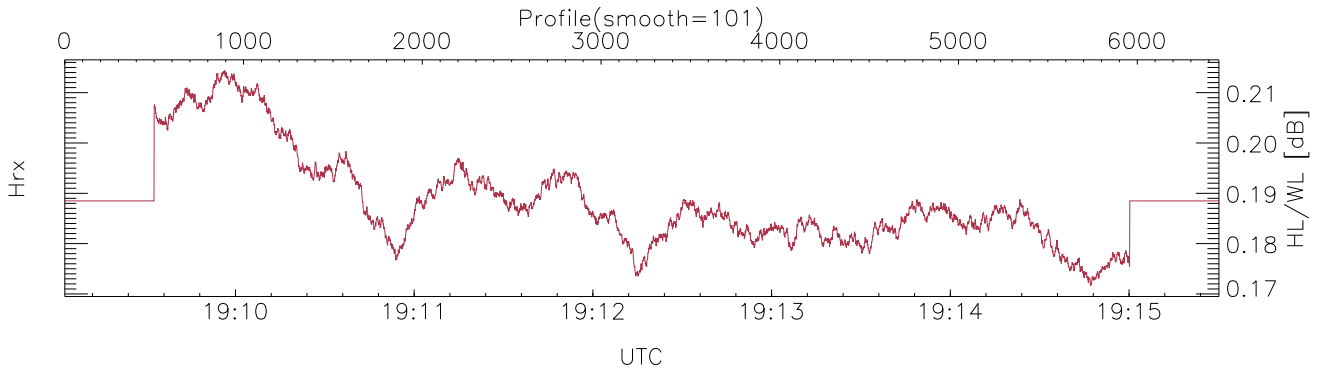


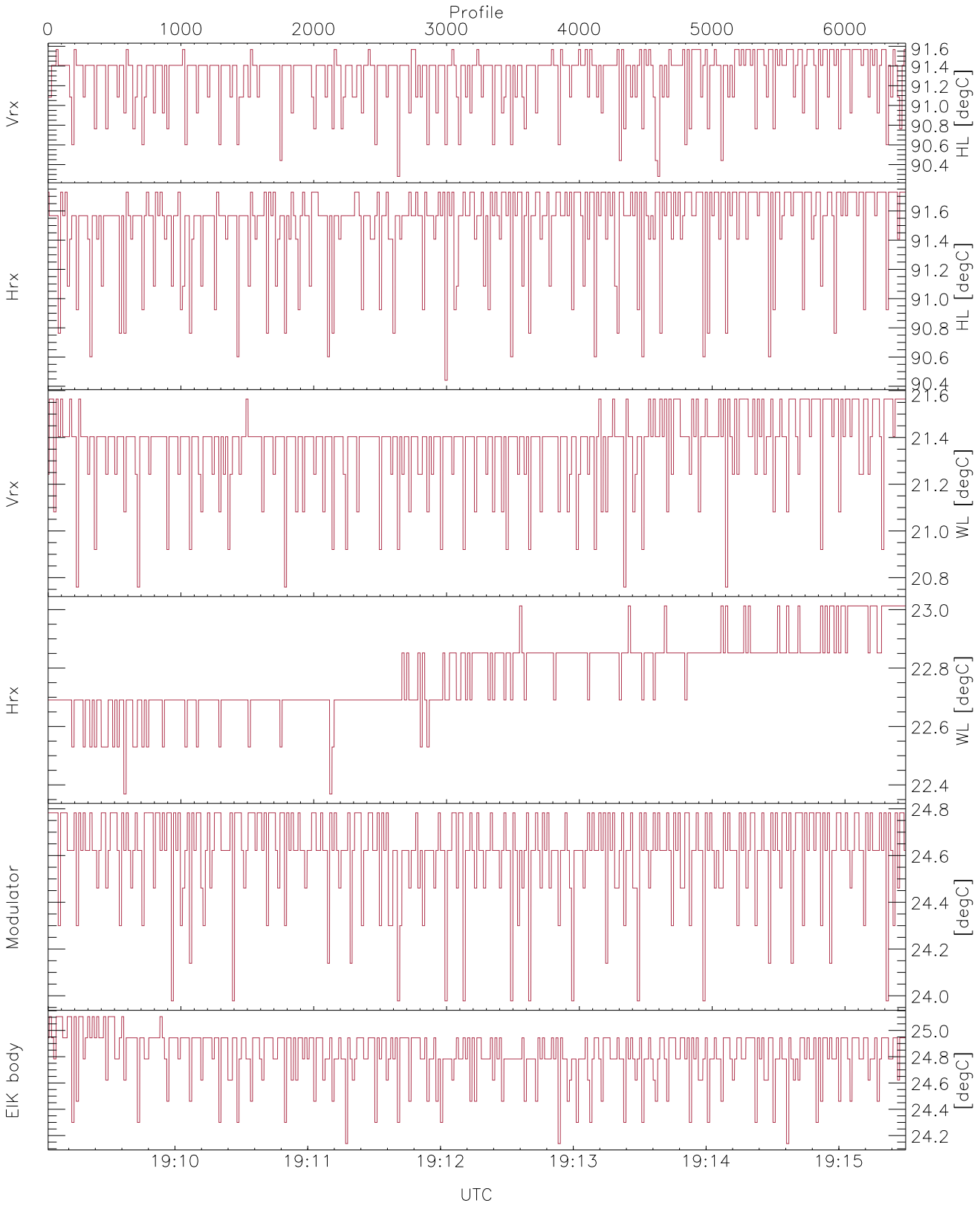






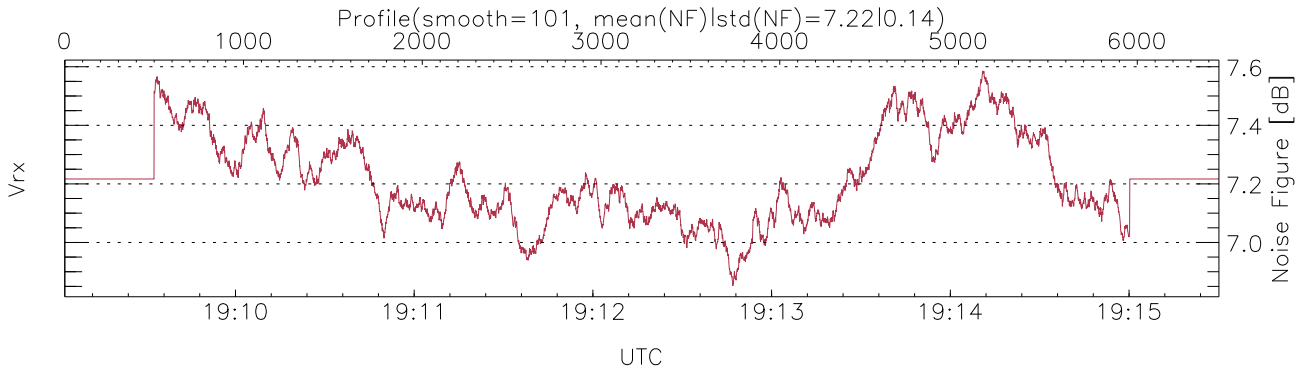
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

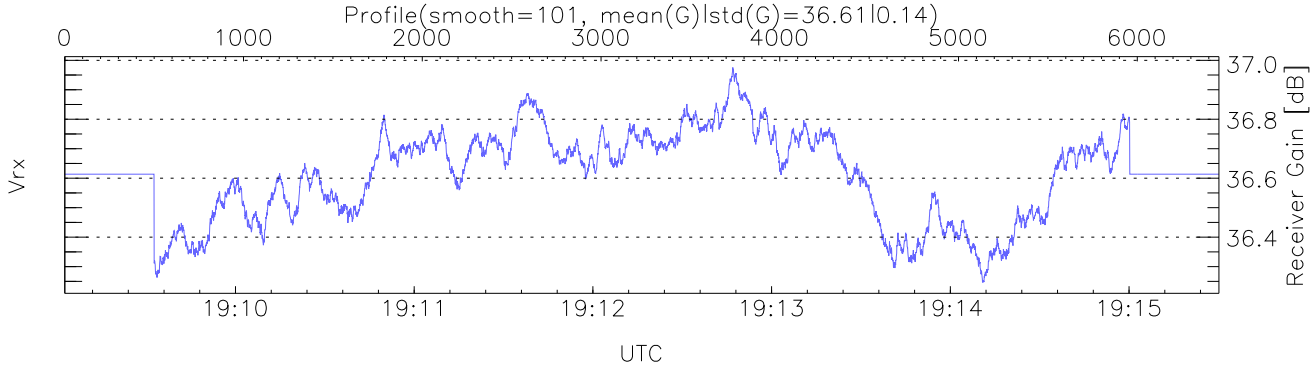
UTC: 19:09:03-19:15:30, TimeCor: 0.00s, Dur: 387.52s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 60.0,60.0,60.0,0.0 ms / 16.7,16.7,16.7
NumRec(r/t): 6458/6458, 0-6457/19:09:03-19:15:30
AcqTime: 60.0ms, Rate: 0.734MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: V1 V1 V1 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 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105, 6288, 15.0 m, Gates: 413, Aspect: 2.8
Mirror(-9|0|1|2,3,9x = no mirror|sideluplerror): 1

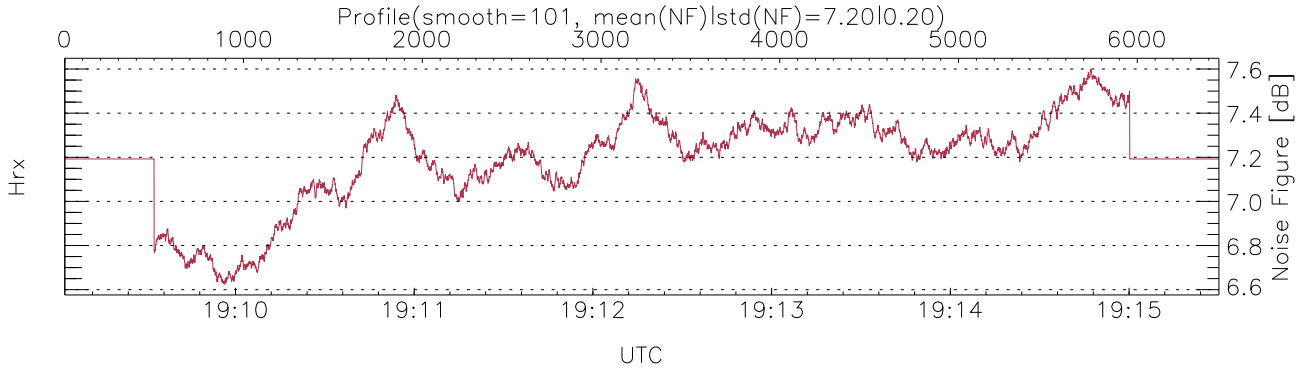


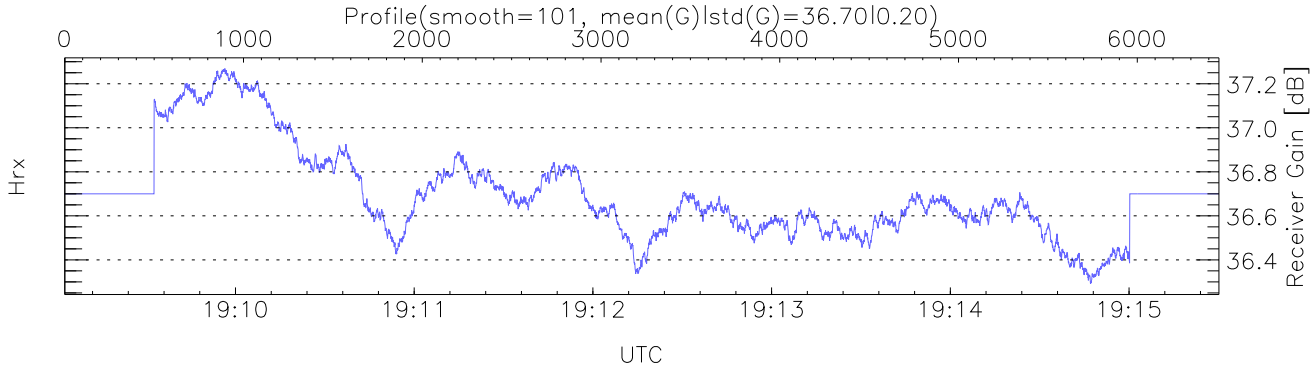
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,90,20,22,23,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,91,21,23,24,25
LOalarm(20,240,2817,14861 MHz): 0,0,18,0
EIK Faults(# prof affected):
BodyCurr (36)



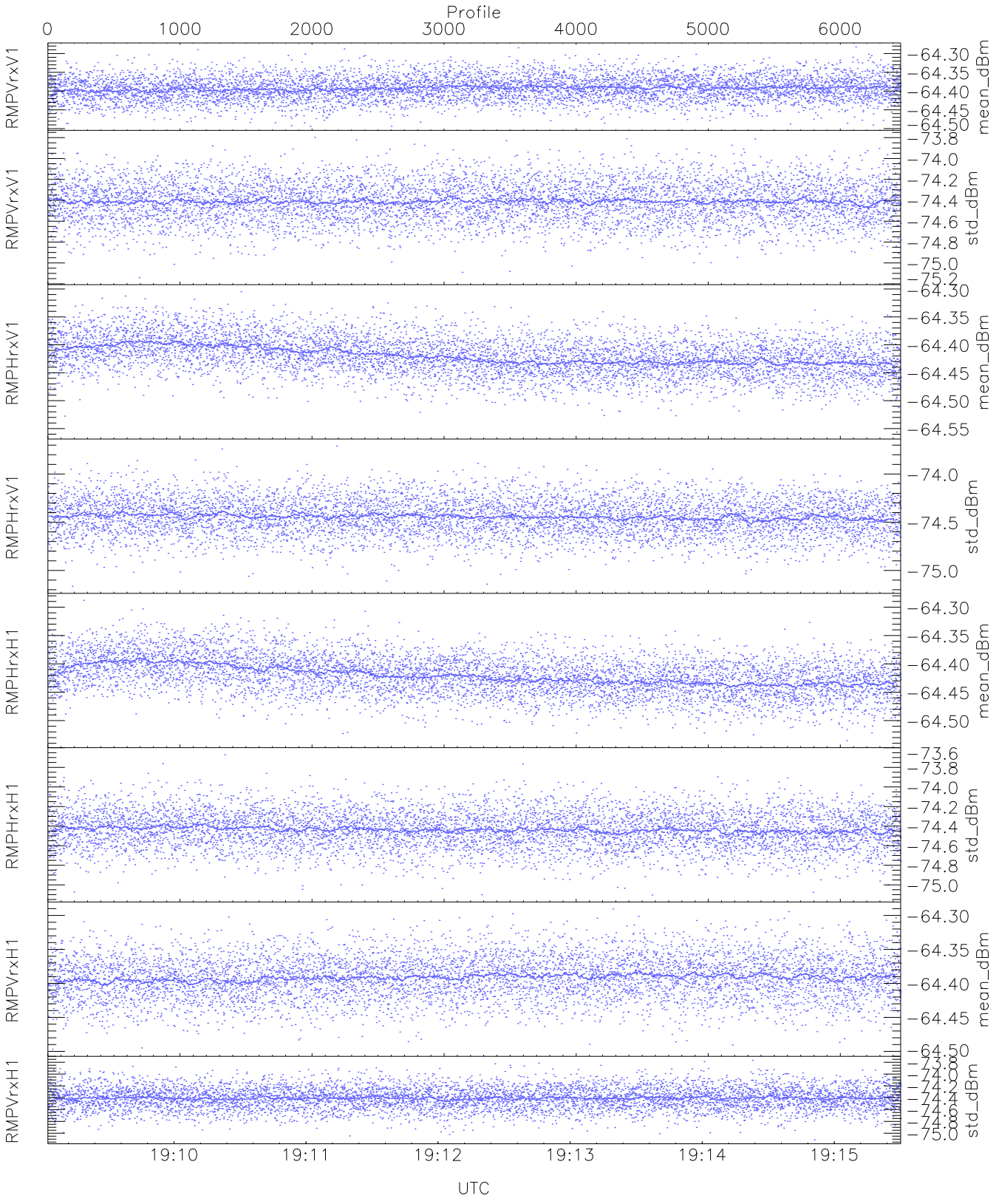






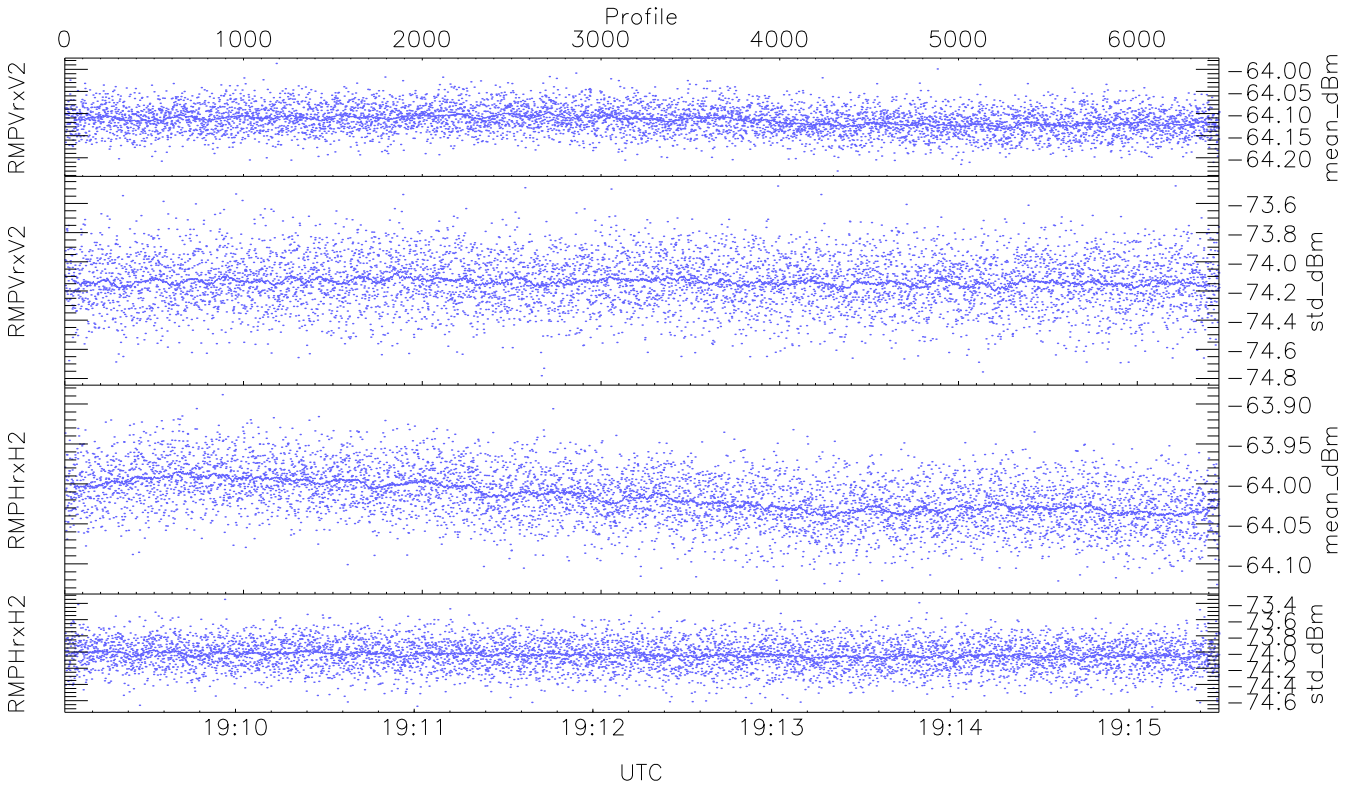
WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 3 pixs, 1 gates, 3 profs, 1 prod(s)



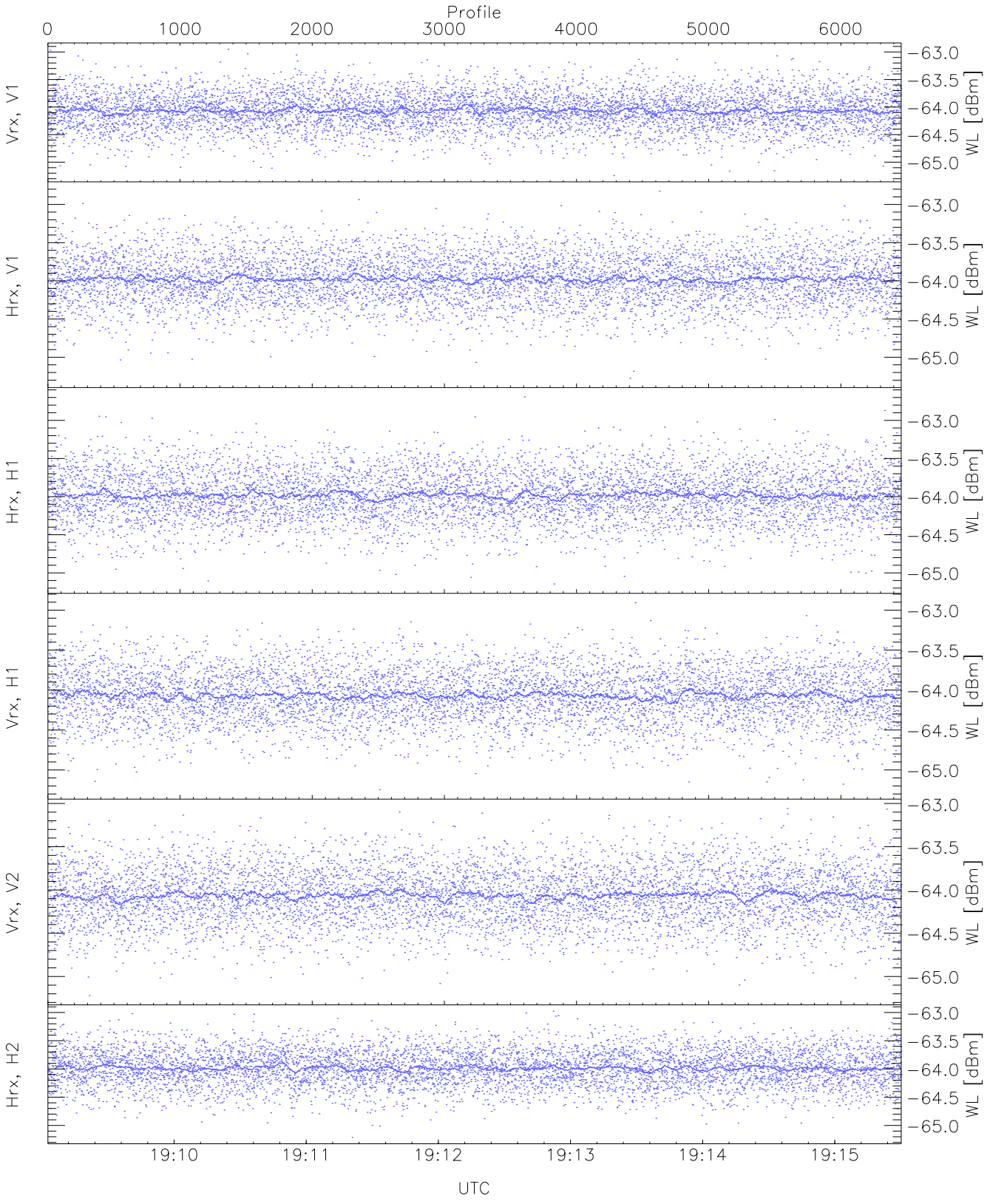
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPVrxV1(mean_dBm)	-64.49	-64.28	-64.39	-64.39	-85.89
RMPVrxV1(std_dBm)	-75.14	-73.80	-74.41	-74.41	-88.15
RMPHrxV1(mean_dBm)	-64.56	-64.30	-64.42	-64.42	-85.66
RMPHrxV1(std_dBm)	-75.16	-73.71	-74.44	-74.44	-88.21
RMPHrxH1(mean_dBm)	-64.54	-64.29	-64.42	-64.42	-85.59
RMPHrxH1(std_dBm)	-75.10	-73.67	-74.43	-74.44	-88.24
RMPVrxH1(mean_dBm)	-64.50	-64.29	-64.39	-64.39	-86.00
RMPVrxH1(std_dBm)	-75.11	-73.77	-74.40	-74.41	-88.20



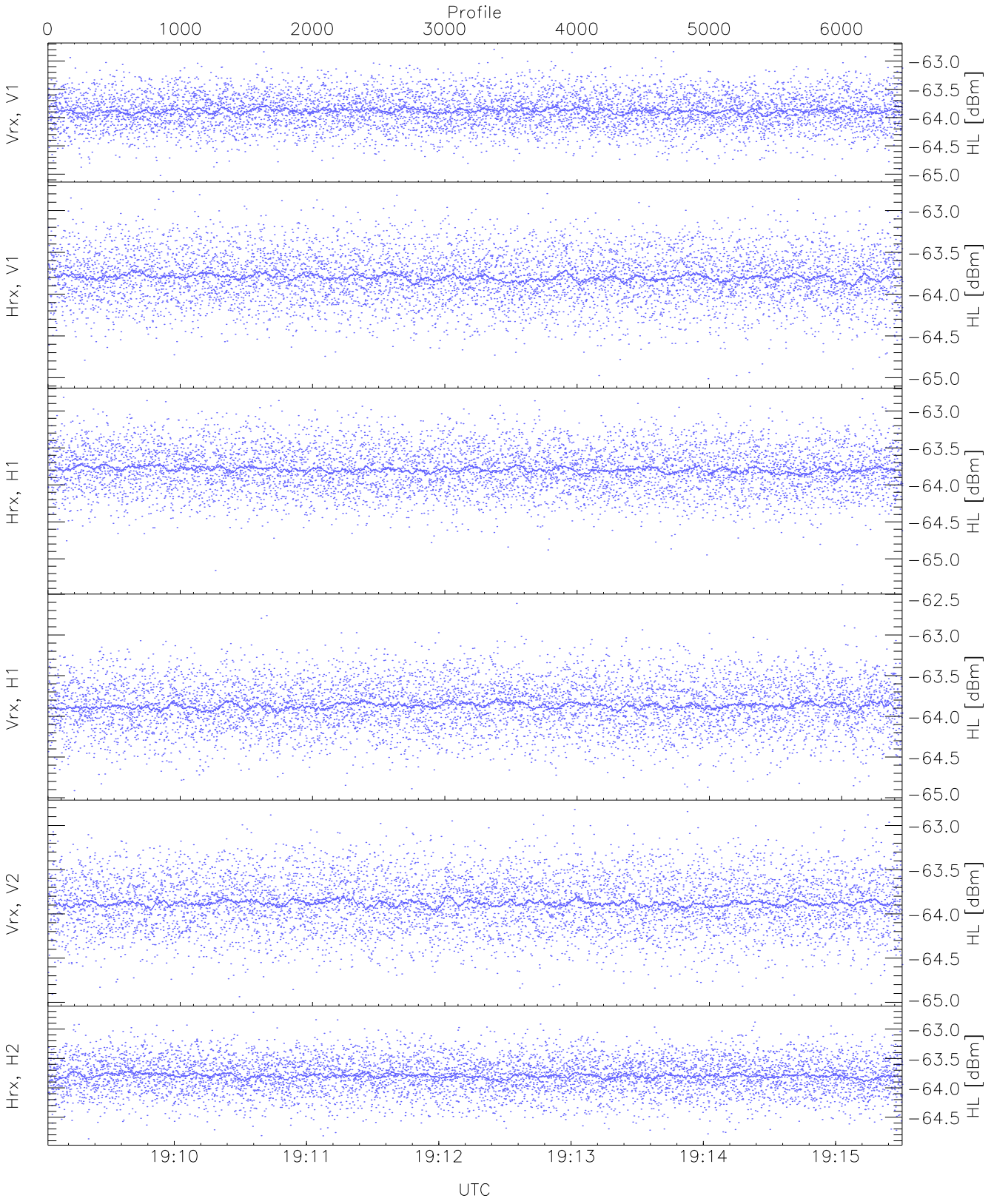
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPVrxV2(mean_dBm)	-64.23	-63.99	-64.11	-64.12	-85.57
RMPVrxV2(std_dBm)	-74.78	-73.48	-74.13	-74.14	-87.93
RMPHrxH2(mean_dBm)	-64.13	-63.89	-64.02	-64.02	-85.08
RMPHrxH2(std_dBm)	-74.68	-73.35	-74.03	-74.03	-87.83



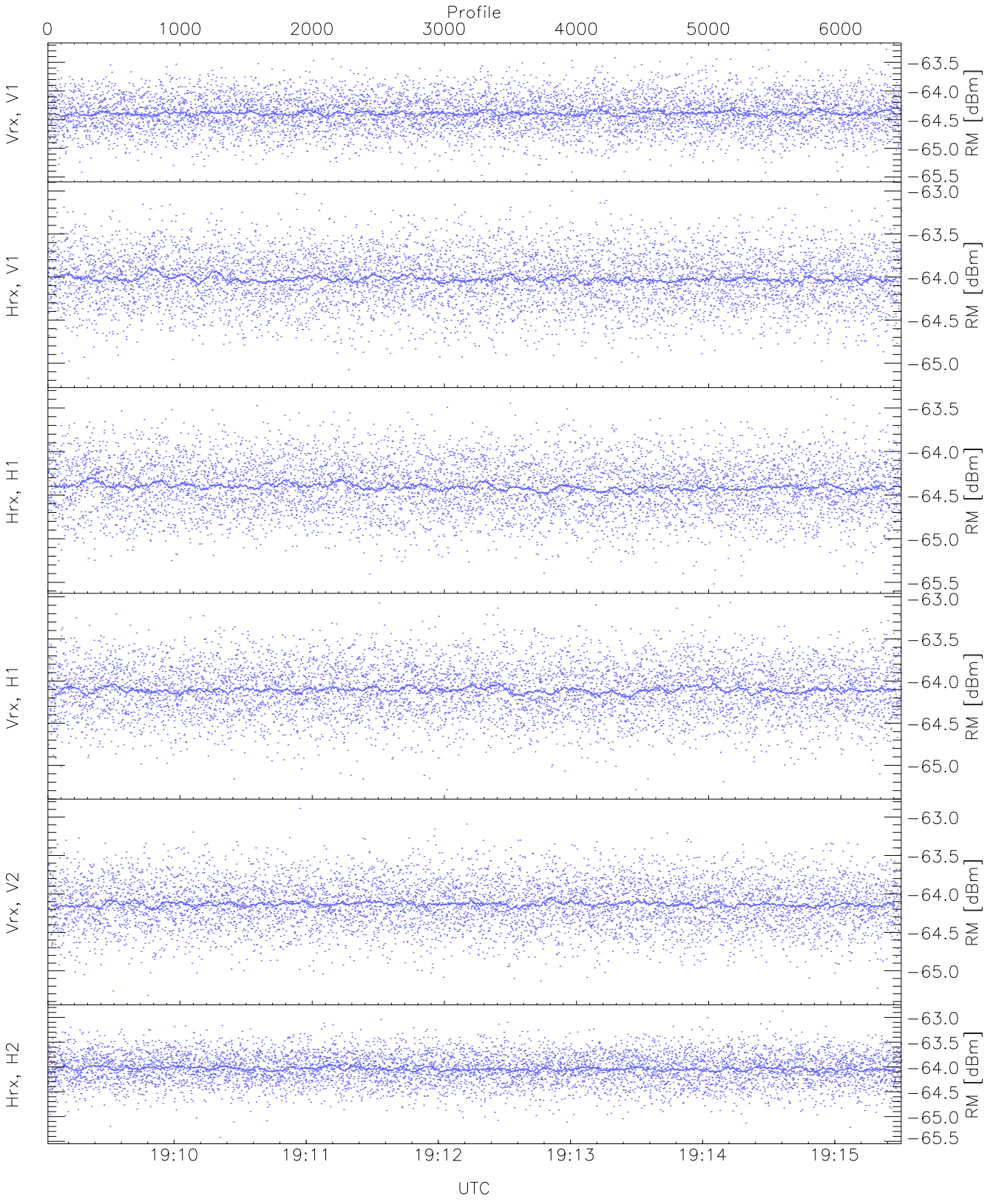
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, V1(WL [dBm])	-65.24	-62.95	-64.06	-64.07	-75.49
Hrx, V1(WL [dBm])	-65.27	-62.83	-63.97	-63.98	-75.47
Hrx, H1(WL [dBm])	-65.15	-62.69	-63.97	-63.99	-75.43
Vrx, H1(WL [dBm])	-65.25	-62.91	-64.06	-64.07	-75.52
Vrx, V2(WL [dBm])	-65.22	-63.06	-64.06	-64.06	-75.58
Hrx, H2(WL [dBm])	-65.21	-62.98	-63.98	-63.98	-75.56



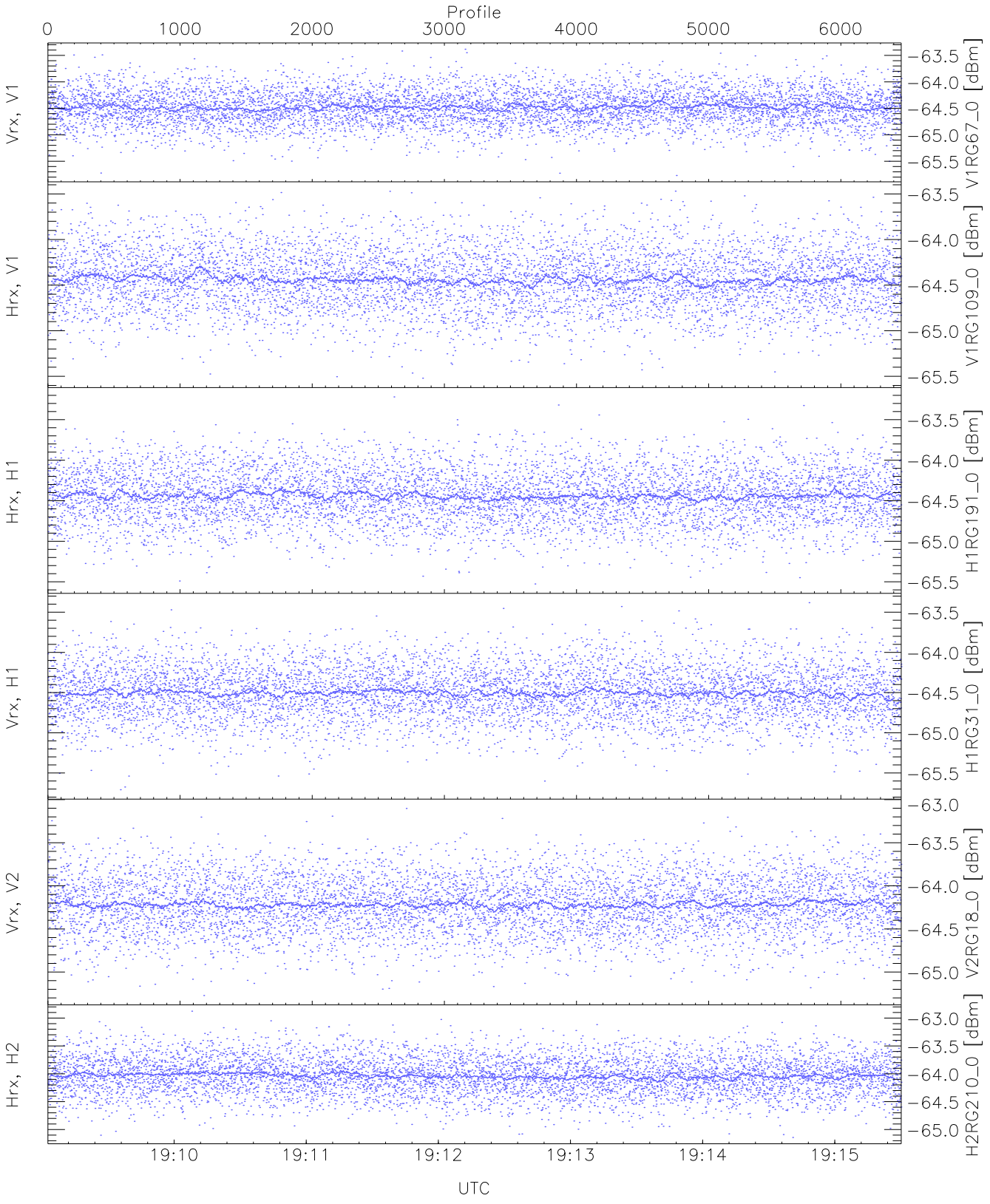
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, V1(HL [dBm])	-65.03	-62.79	-63.87	-63.88	-75.38
Hrx, V1(HL [dBm])	-65.01	-62.77	-63.79	-63.80	-75.31
Hrx, H1(HL [dBm])	-65.35	-62.82	-63.78	-63.79	-75.29
Vrx, H1(HL [dBm])	-64.91	-62.61	-63.86	-63.86	-75.45
Vrx, V2(HL [dBm])	-64.94	-62.82	-63.87	-63.88	-75.38
Hrx, H2(HL [dBm])	-64.87	-62.72	-63.79	-63.80	-75.38



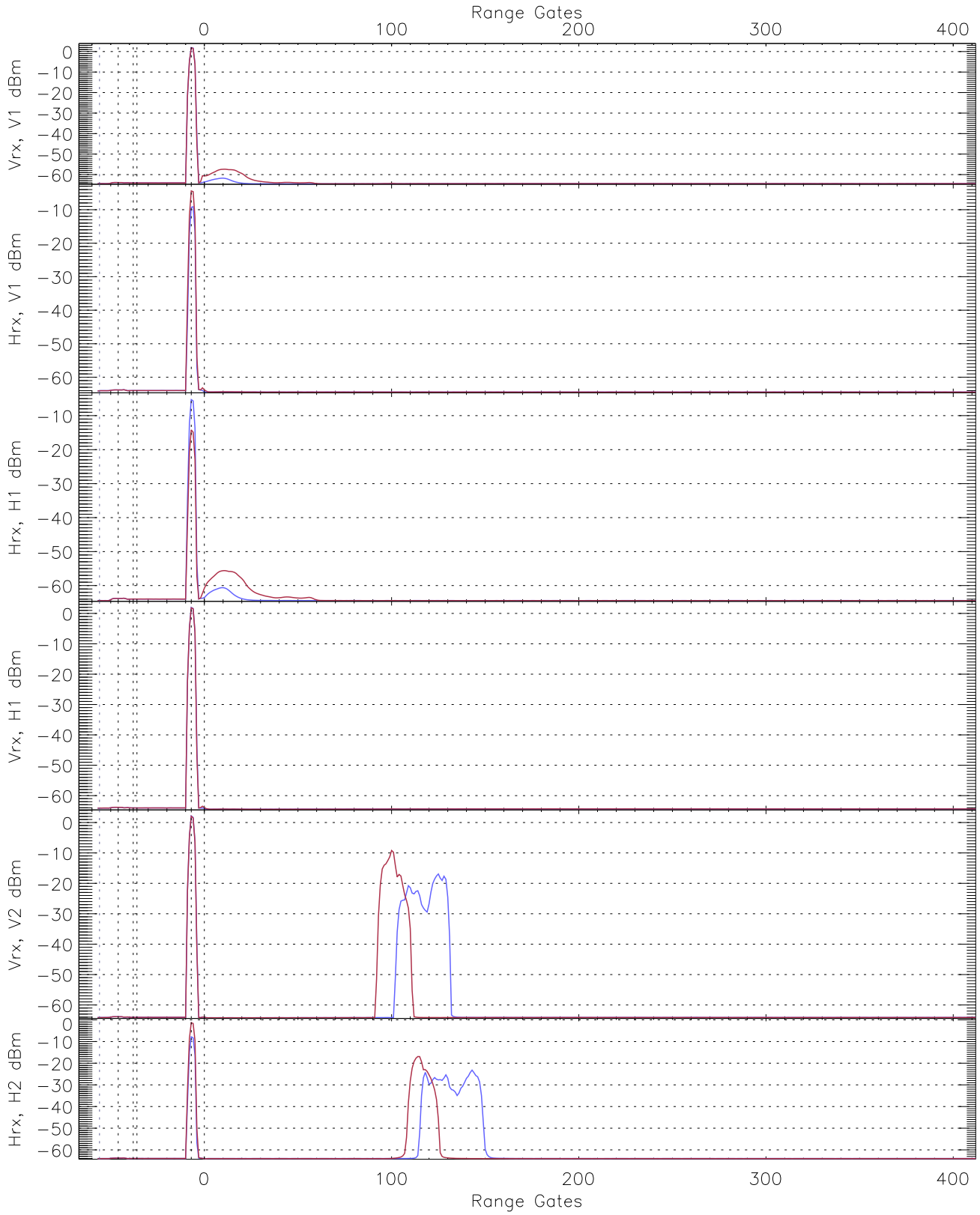
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, V1(RM [dBm])	-65.47	-63.27	-64.38	-64.39	-75.82
Hrx, V1(RM [dBm])	-65.18	-63.00	-64.01	-64.02	-75.54
Hrx, H1(RM [dBm])	-65.52	-63.37	-64.40	-64.40	-75.94
Vrx, H1(RM [dBm])	-65.29	-63.07	-64.10	-64.10	-75.66
Vrx, V2(RM [dBm])	-65.32	-62.89	-64.12	-64.13	-75.65
Hrx, H2(RM [dBm])	-65.42	-62.88	-64.03	-64.04	-75.50

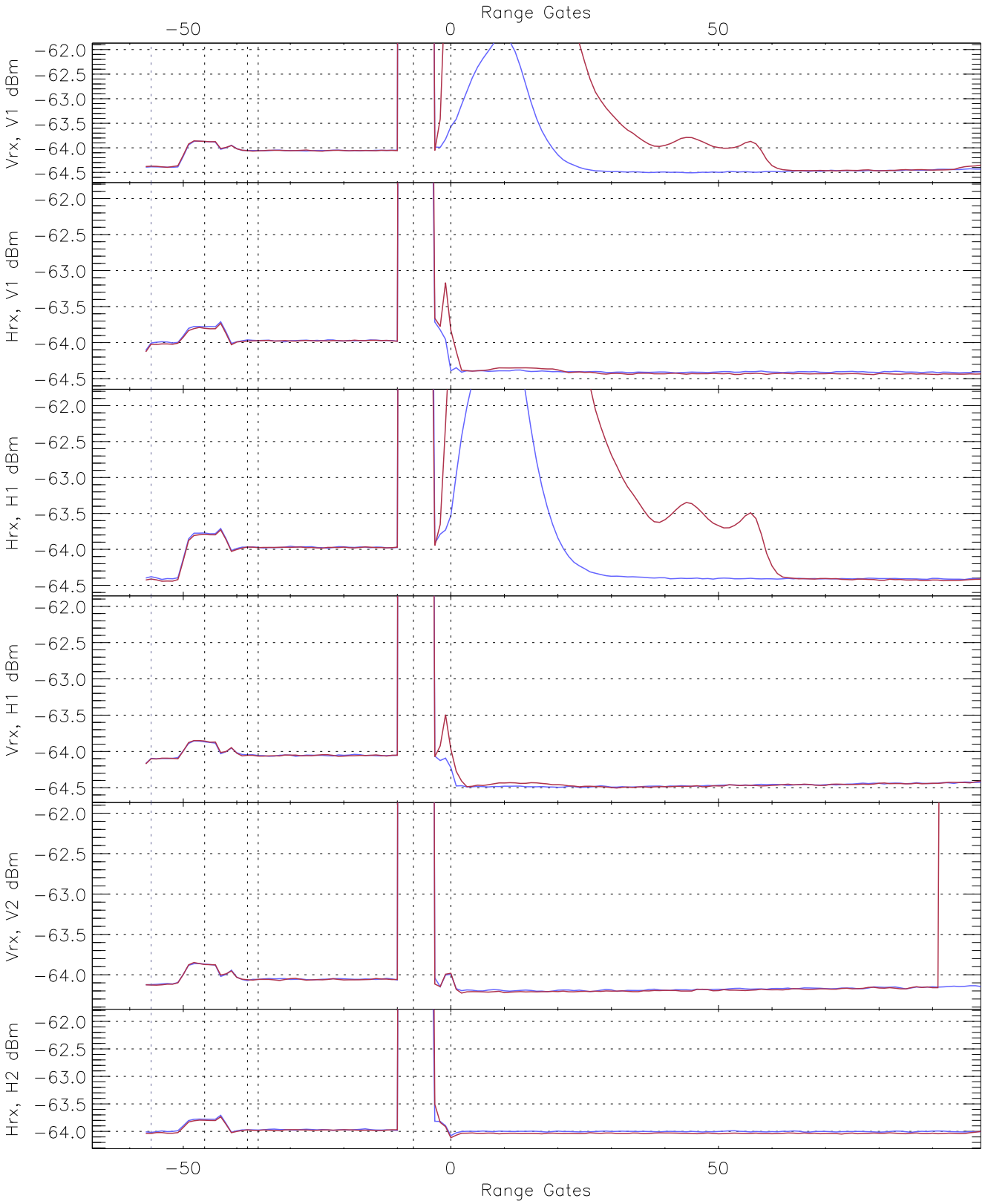


WCR3 CPP "Best" estimate Receivers Noise Power

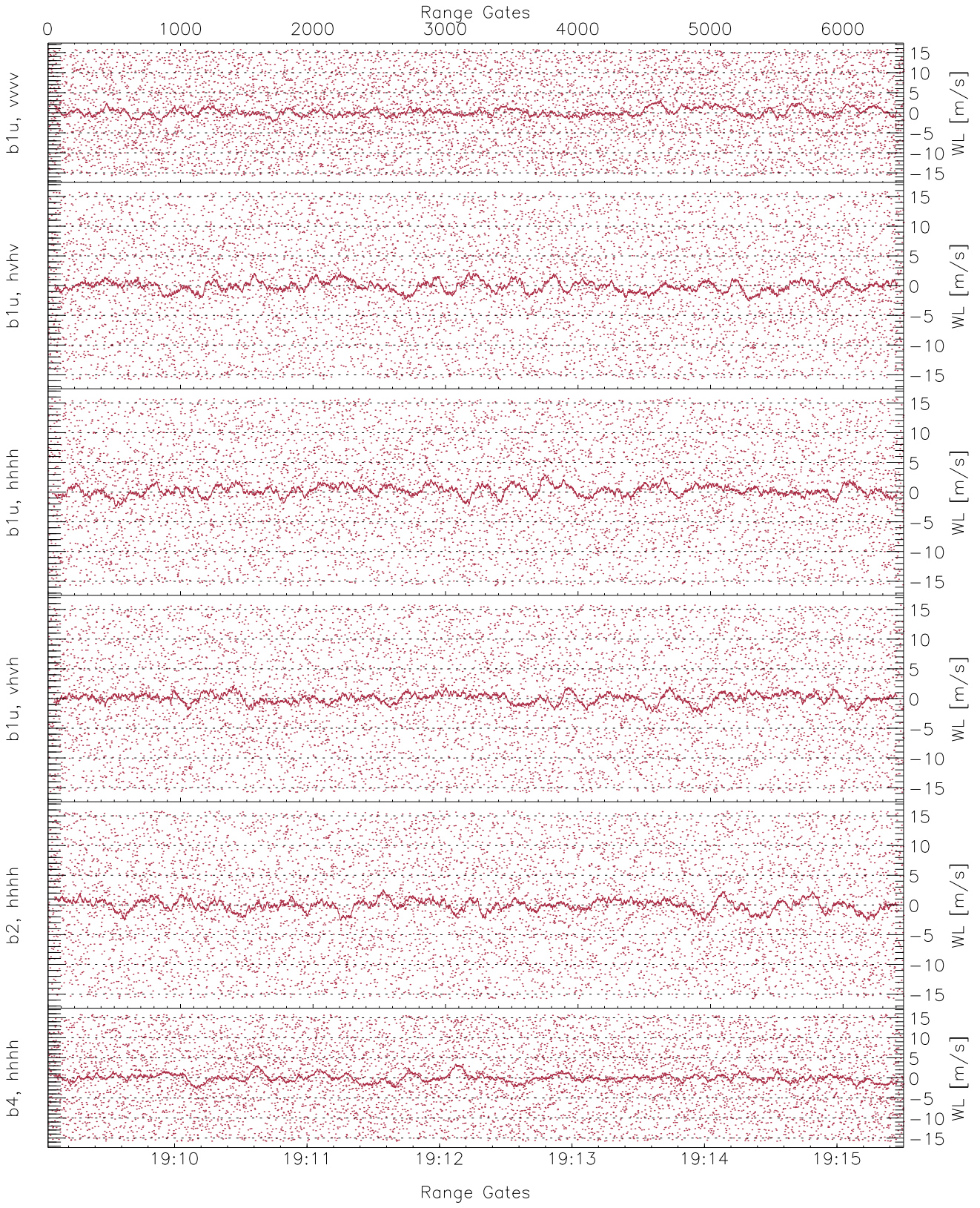
	Min	Max	Mean	Median	StDev
V1RG67_0 [dBm]	-65.77	-63.38	-64.47	-64.48	-75.95
V1RG109_0 [dBm]	-65.52	-63.47	-64.43	-64.44	-75.92
H1RG191_0 [dBm]	-65.53	-63.22	-64.43	-64.44	-75.93
H1RG31_0 [dBm]	-65.71	-63.38	-64.50	-64.51	-76.01
V2RG18_0 [dBm]	-65.27	-63.10	-64.21	-64.22	-75.73
H2RG210_0 [dBm]	-65.14	-62.88	-64.03	-64.04	-75.45



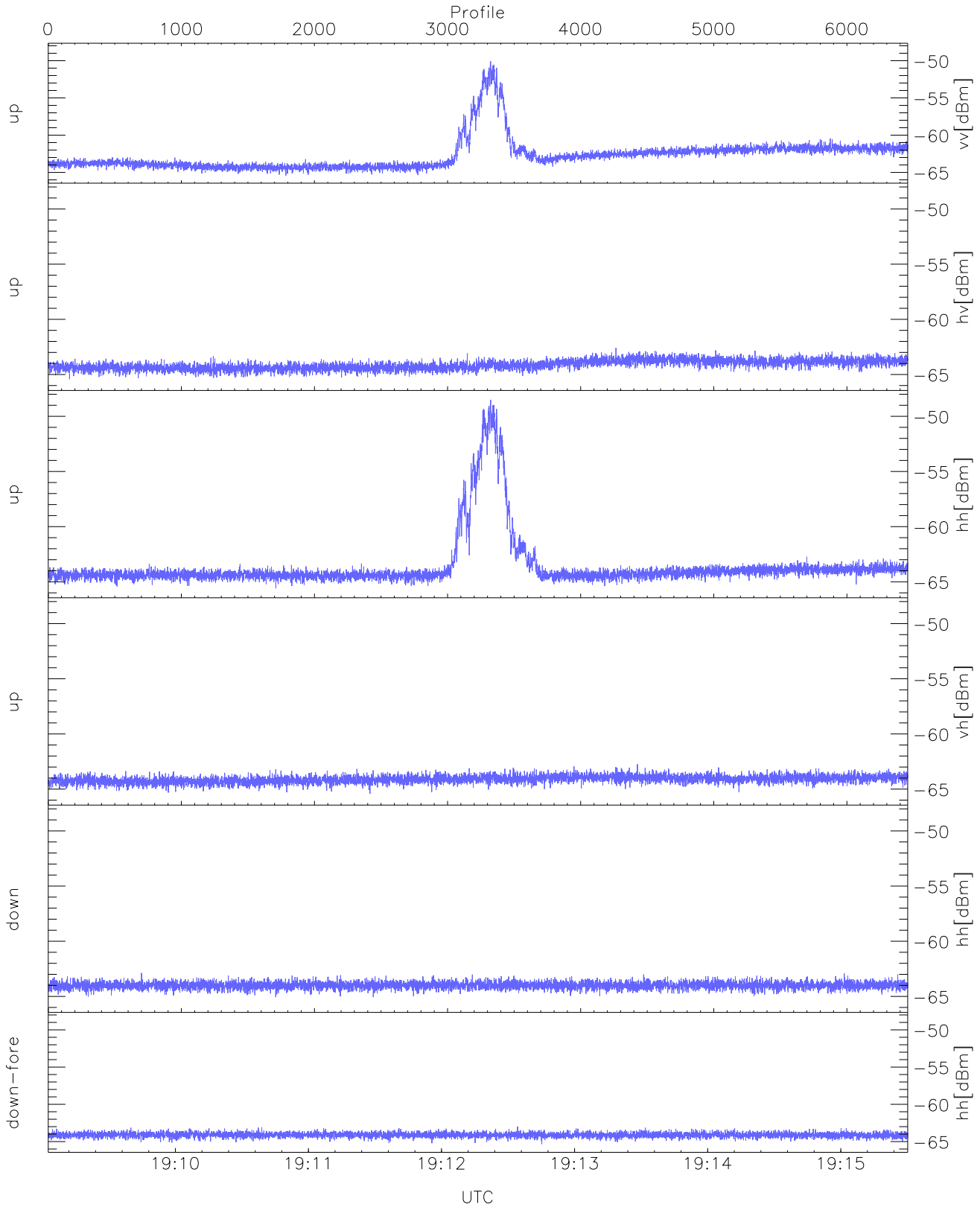
WCR3 CPP Averaged Received power for all recorded gates
blue: 190903-191216, 3230 profiles averaged
red: 191216-191530, 3229 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 190903-191216, 3230 profiles averaged
red: 191216-191530, 3229 profiles averaged

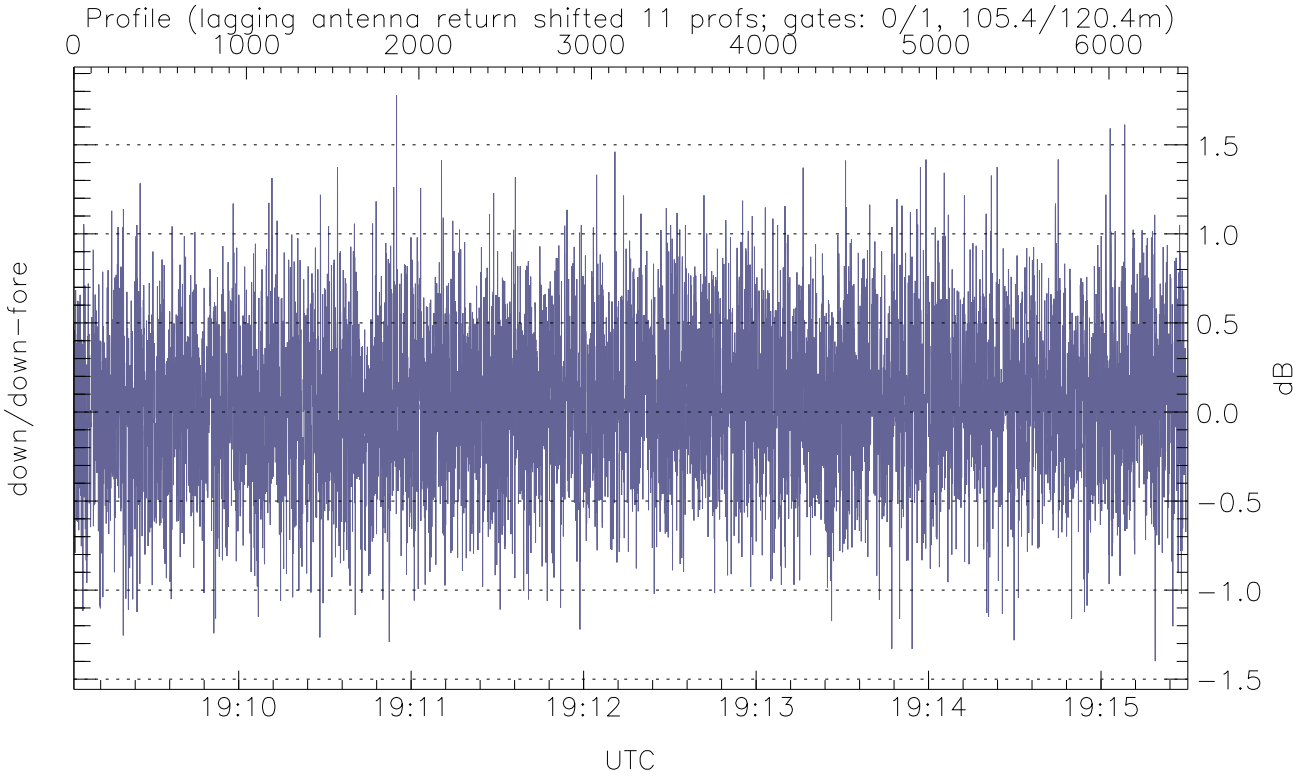


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



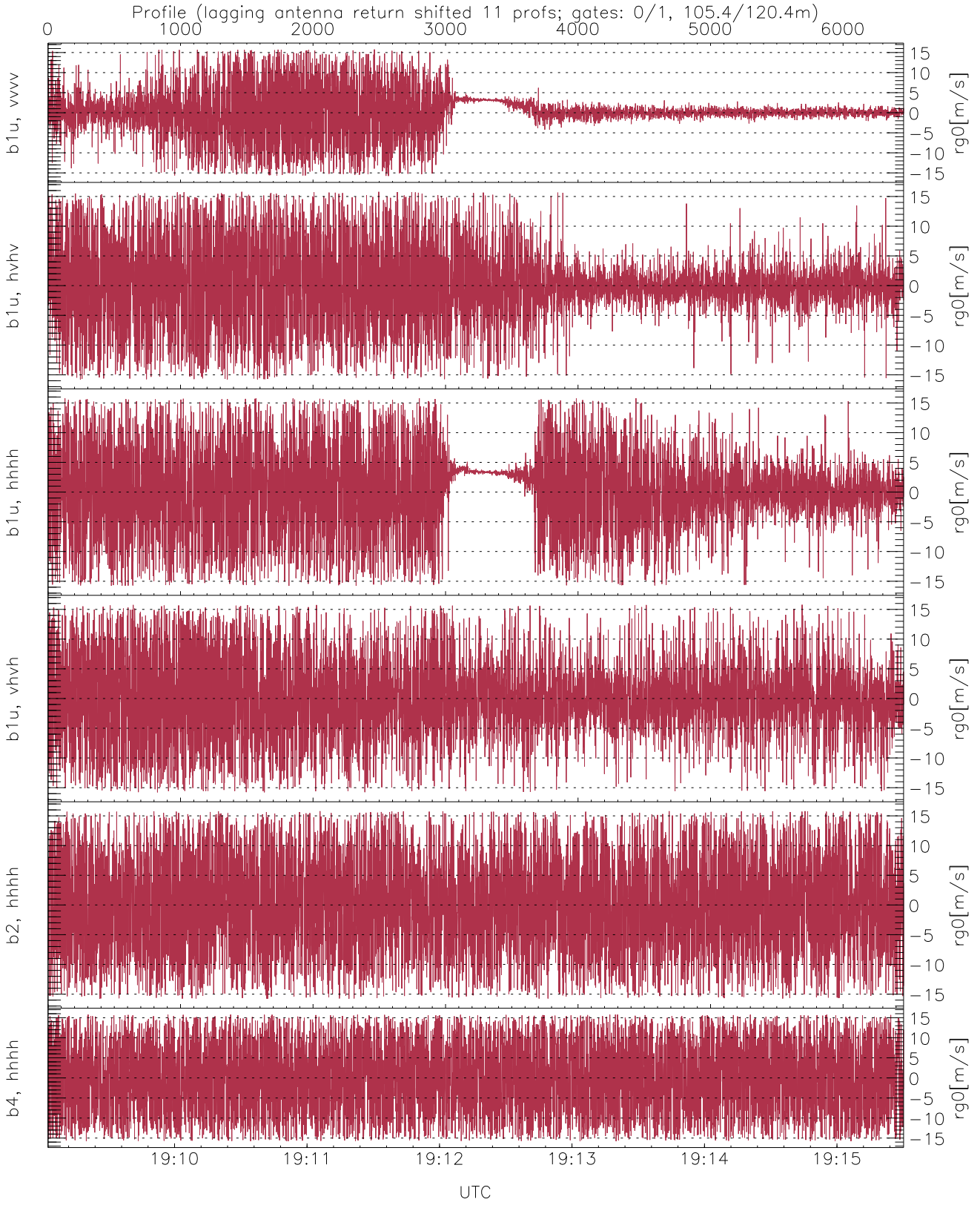
WCR3 CPP Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vv[dBm])	-65.42	-50.07	-61.83
up(hv[dBm])	-65.42	-62.57	-64.10
up(hh[dBm])	-65.59	-48.51	-61.96
up(vh[dBm])	-65.42	-62.74	-64.09
down(hh[dBm])	-65.07	-62.88	-63.99
down-fore(hh[dBm])	-65.33	-62.98	-64.10



WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

	Min	Max	Mean
down/down-fore(dB)	-1.40	1.78	0.06



WCR3 CPP Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvvv(rg0[m/s])	-15.78	15.79	0.20	4.92
b1u, hvhv(rg0[m/s])	-15.78	15.79	0.11	6.27
b1u, hhhh(rg0[m/s])	-15.78	15.79	0.25	6.75
b1u, vhvh(rg0[m/s])	-15.78	15.79	0.02	6.59
b2, hhhh(rg0[m/s])	-15.77	15.79	0.07	8.08
b4, hhhh(rg0[m/s])	-15.78	15.79	-0.04	8.87