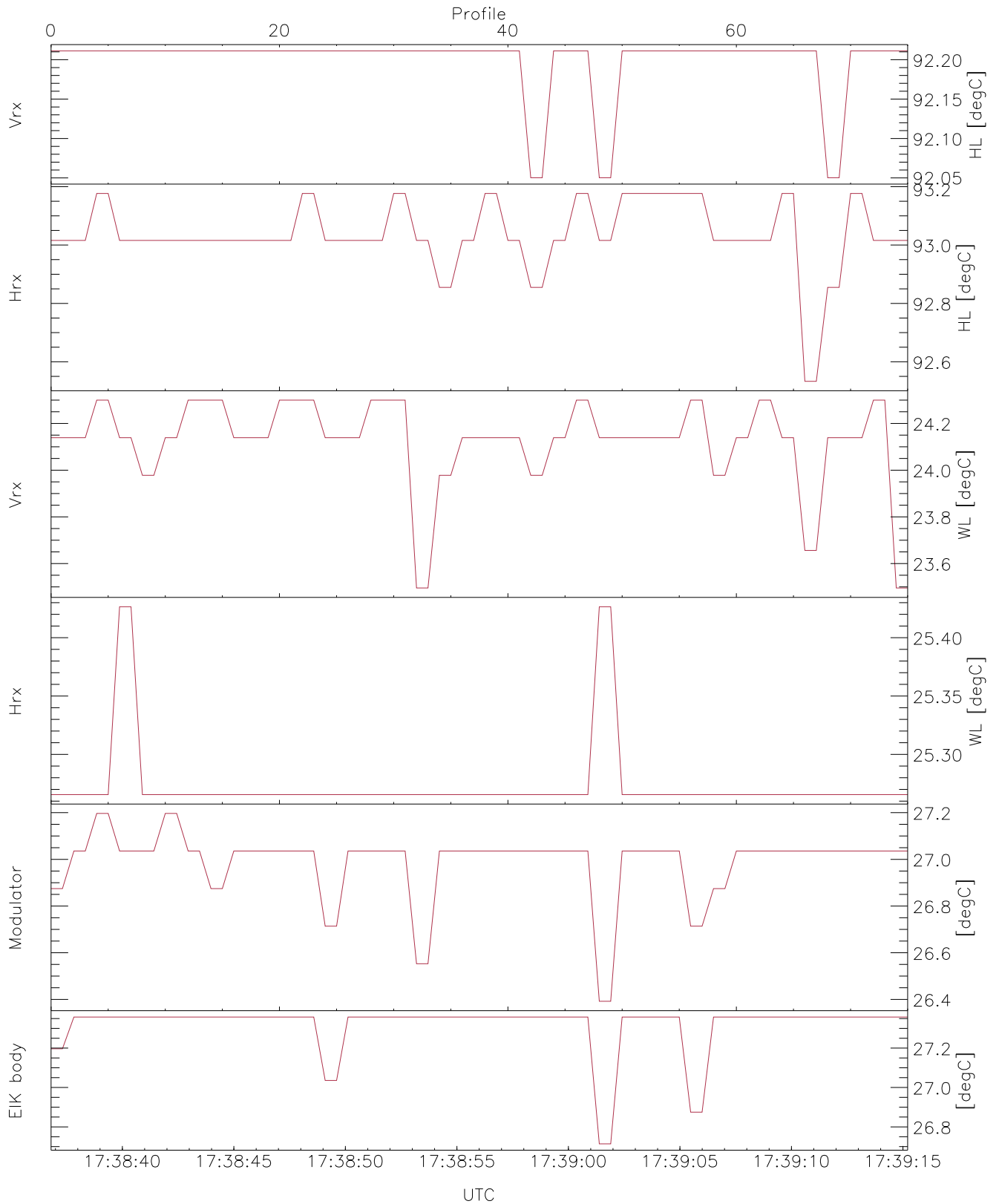


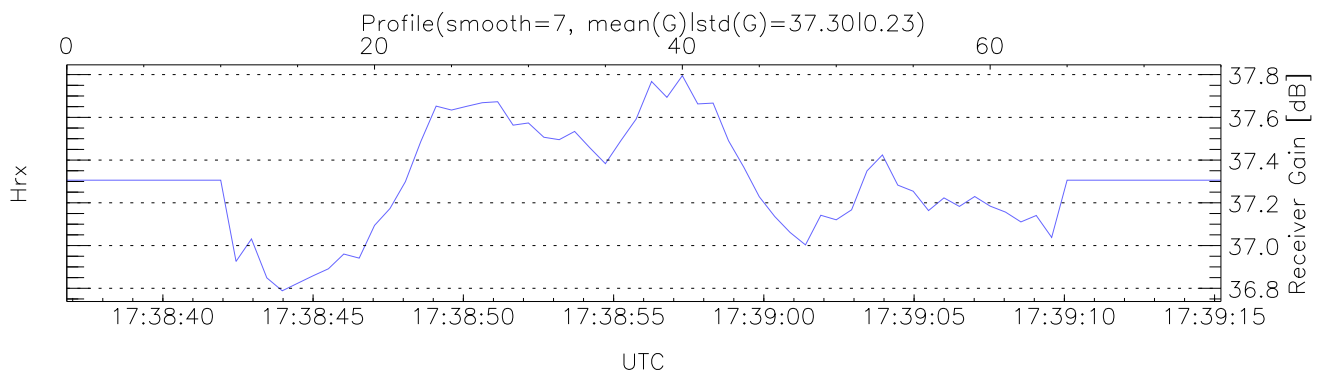
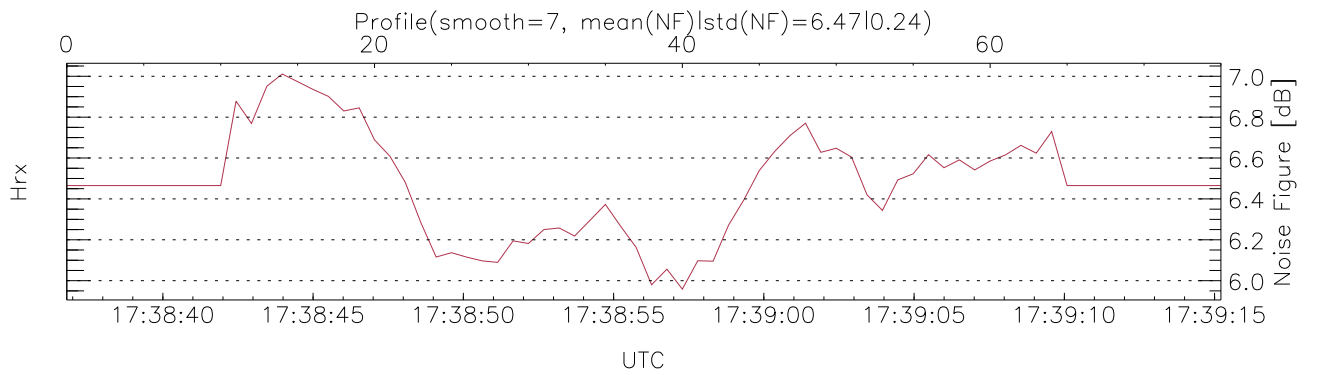
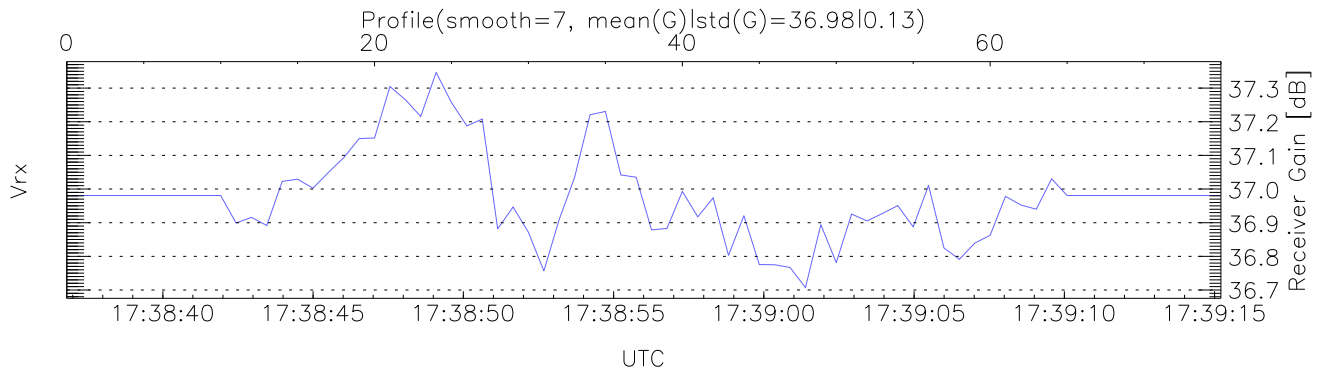
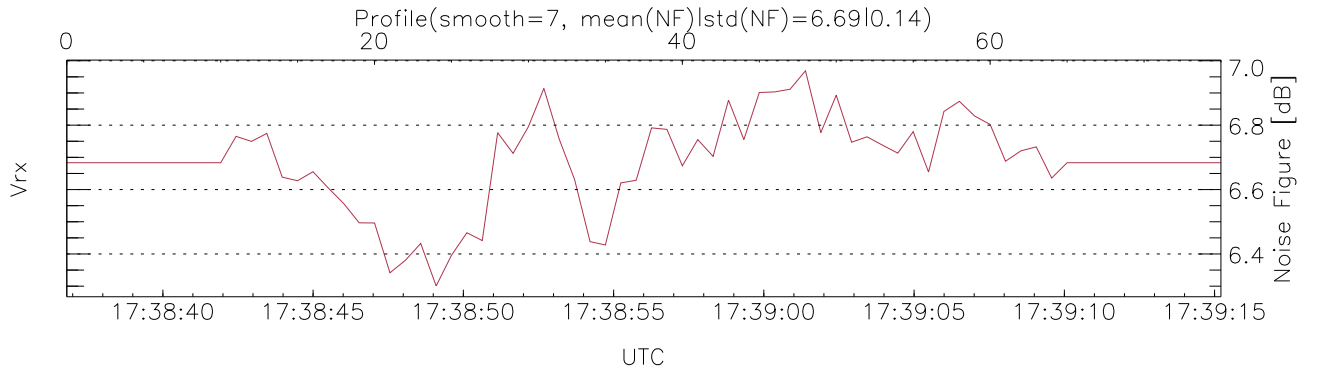
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:38:37-17:39:15, TimeCor: 0.00s, Dur: 38.41s
 TimeFlg: 1, TFPstatus constant.
 TimeInt/PPS(min,max,mn,std): 512.1,512.1,512.1,0.0 ms / 2.0,2.0,2.0
 NumRec(r/t): 76/76, 0-75/17:38:37-17:39:15
 AcqTime: 512.0ms, Rate: 0.480MB/s, Averages (req.,actual): 40,40
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 V1 H2 V2
 PRF: 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 KHz, IGS: 100us
 Range(min,max,rqs): 90, 5973, 30.0 m, Gates: 197, Aspect: 0.7
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1
 FFTlen: 32, FFTwin: rectangular, # averagedFFT: 40, cr-polFFT: YES
 FFTres: 0.493,0.493,0.493,0.493,0.493,0.493,0.493,0.493 m/s, PulsePairCalc: YES



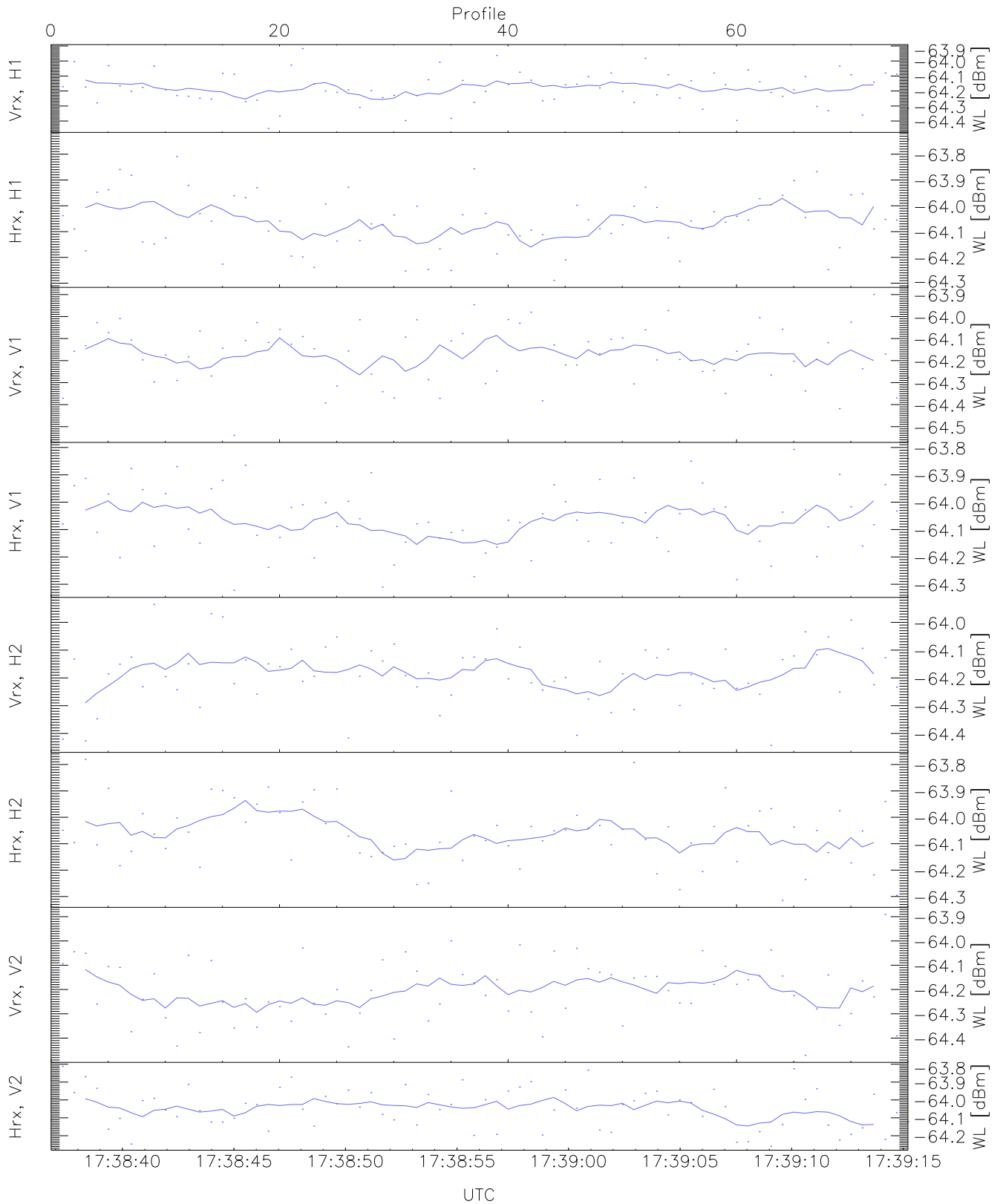
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,23,25,26,26
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,24,25,27,27
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



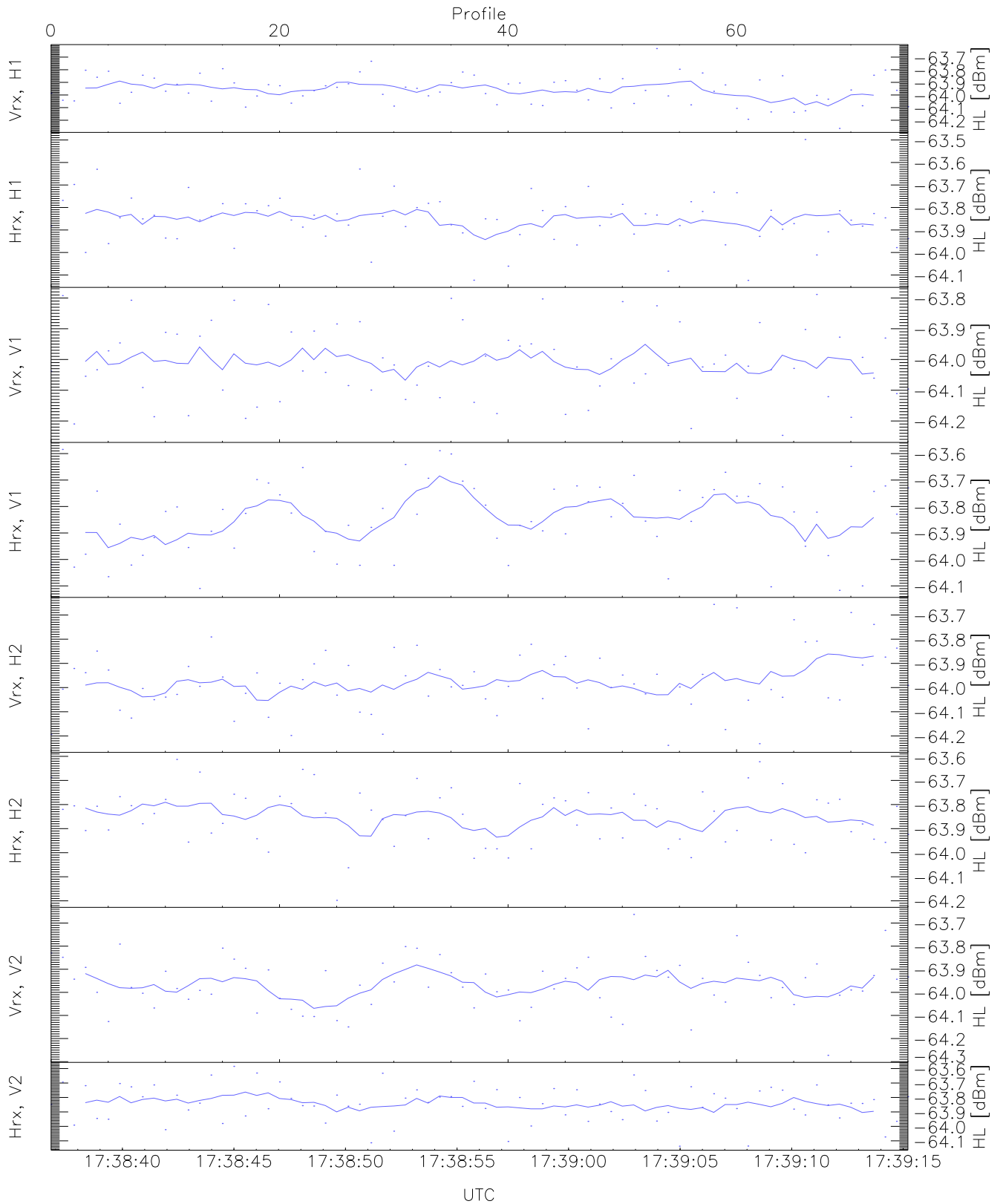
WCR3 FF4 Receivers Gain and Noise Figure

Rx Saturation: 0 pixs, 0 gates, 0 profs, 0 prod(s)



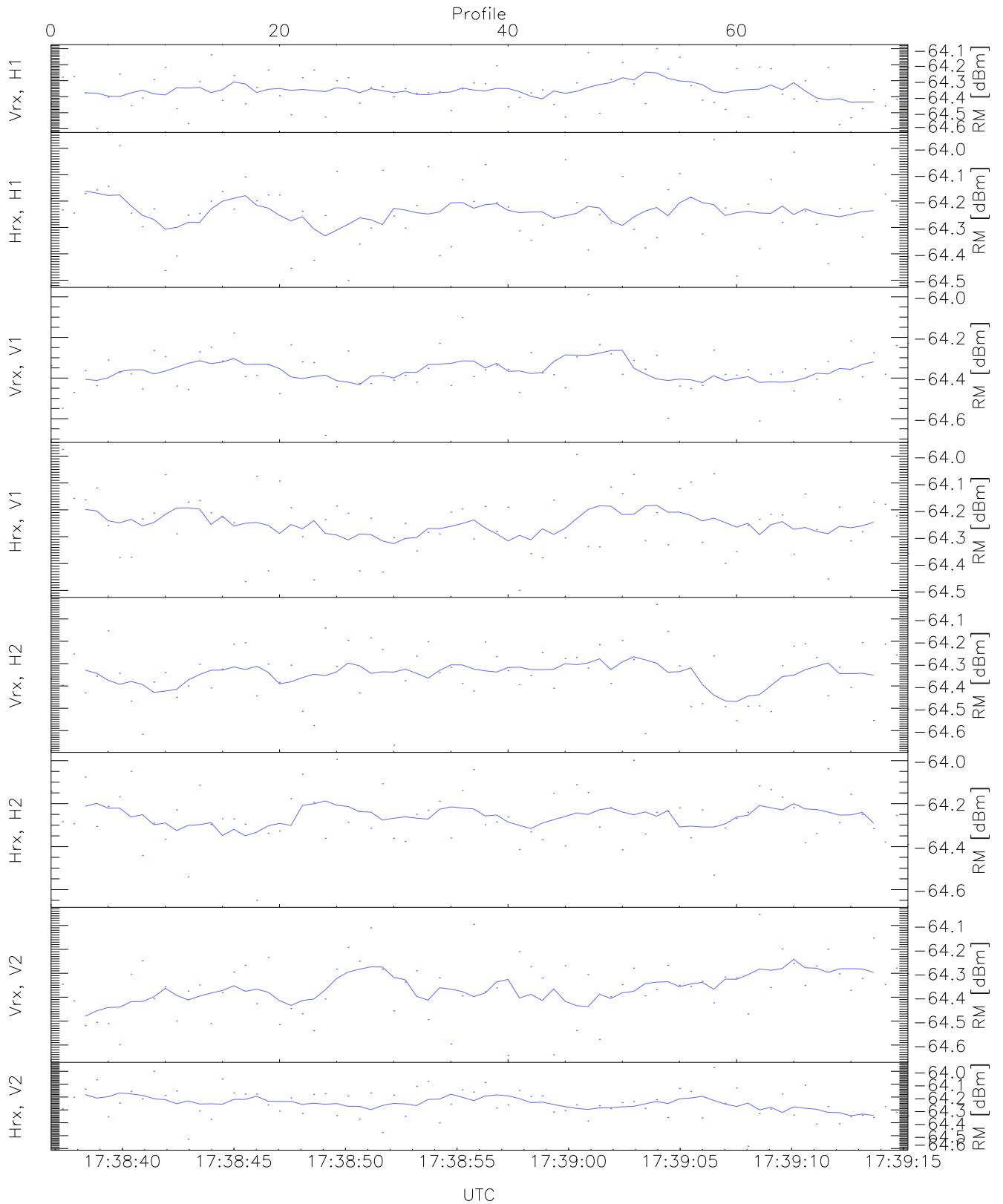
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.45	-63.92	-64.18	-64.18	-80.18
Hrx, H1 (WL [dBm])	-64.29	-63.74	-64.06	-64.06	-79.90
Vrx, V1 (WL [dBm])	-64.54	-63.90	-64.17	-64.16	-79.50
Hrx, V1 (WL [dBm])	-64.32	-63.81	-64.06	-64.07	-79.71
Vrx, H2 (WL [dBm])	-64.44	-63.94	-64.19	-64.19	-80.17
Hrx, H2 (WL [dBm])	-64.31	-63.78	-64.06	-64.05	-79.90
Vrx, V2 (WL [dBm])	-64.47	-63.89	-64.20	-64.18	-79.66
Hrx, V2 (WL [dBm])	-64.26	-63.81	-64.05	-64.04	-79.99



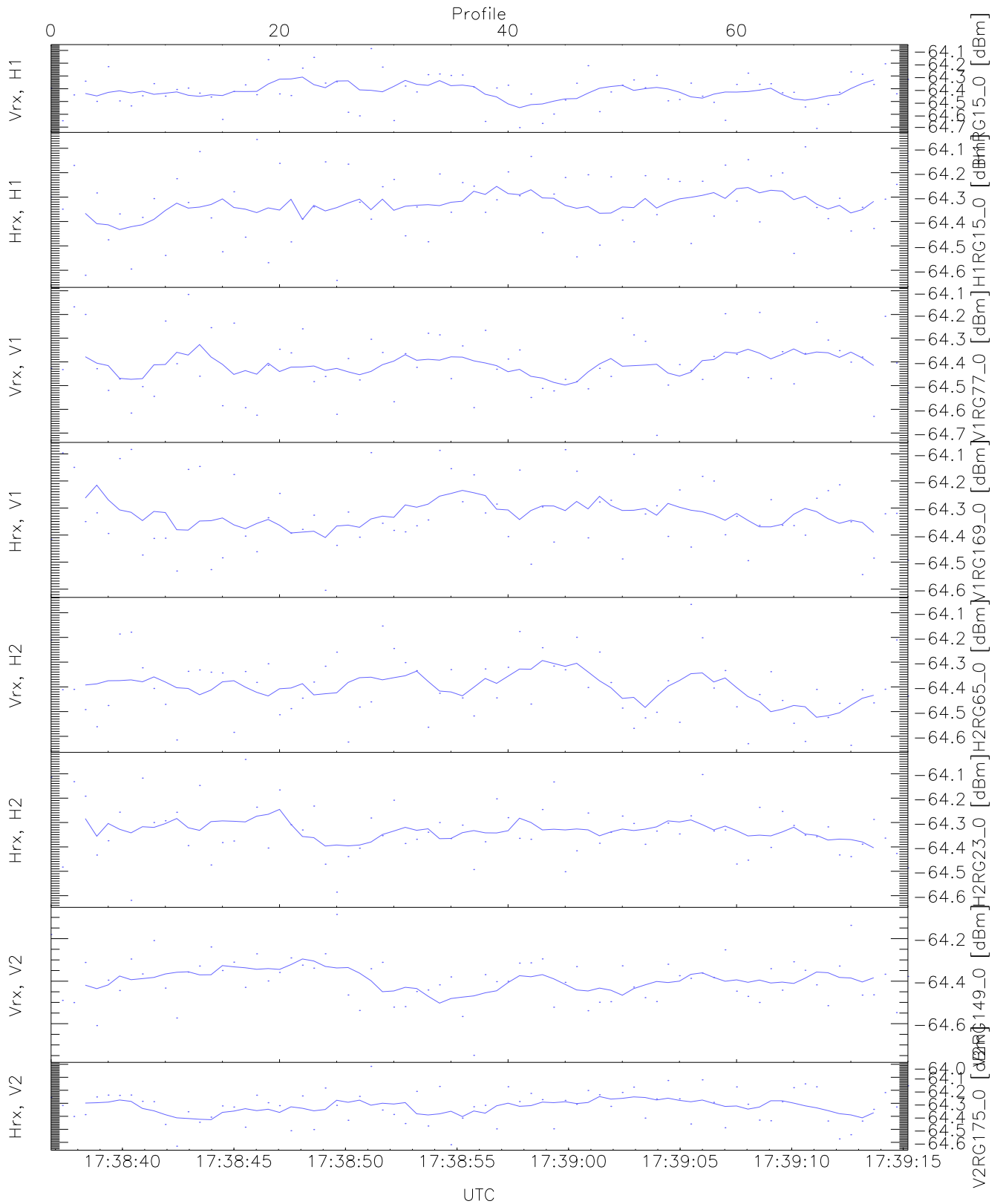
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.27	-63.63	-63.96	-63.96	-79.80
Hrx, H1 (HL [dBm])	-64.12	-63.50	-63.85	-63.85	-79.86
Vrx, V1 (HL [dBm])	-64.25	-63.79	-64.01	-64.02	-79.58
Hrx, V1 (HL [dBm])	-64.12	-63.58	-63.84	-63.82	-78.93
Vrx, H2 (HL [dBm])	-64.24	-63.66	-63.97	-63.99	-79.25
Hrx, H2 (HL [dBm])	-64.20	-63.61	-63.85	-63.83	-79.68
Vrx, V2 (HL [dBm])	-64.27	-63.66	-63.96	-63.97	-79.97
Hrx, V2 (HL [dBm])	-64.14	-63.58	-63.84	-63.84	-79.35



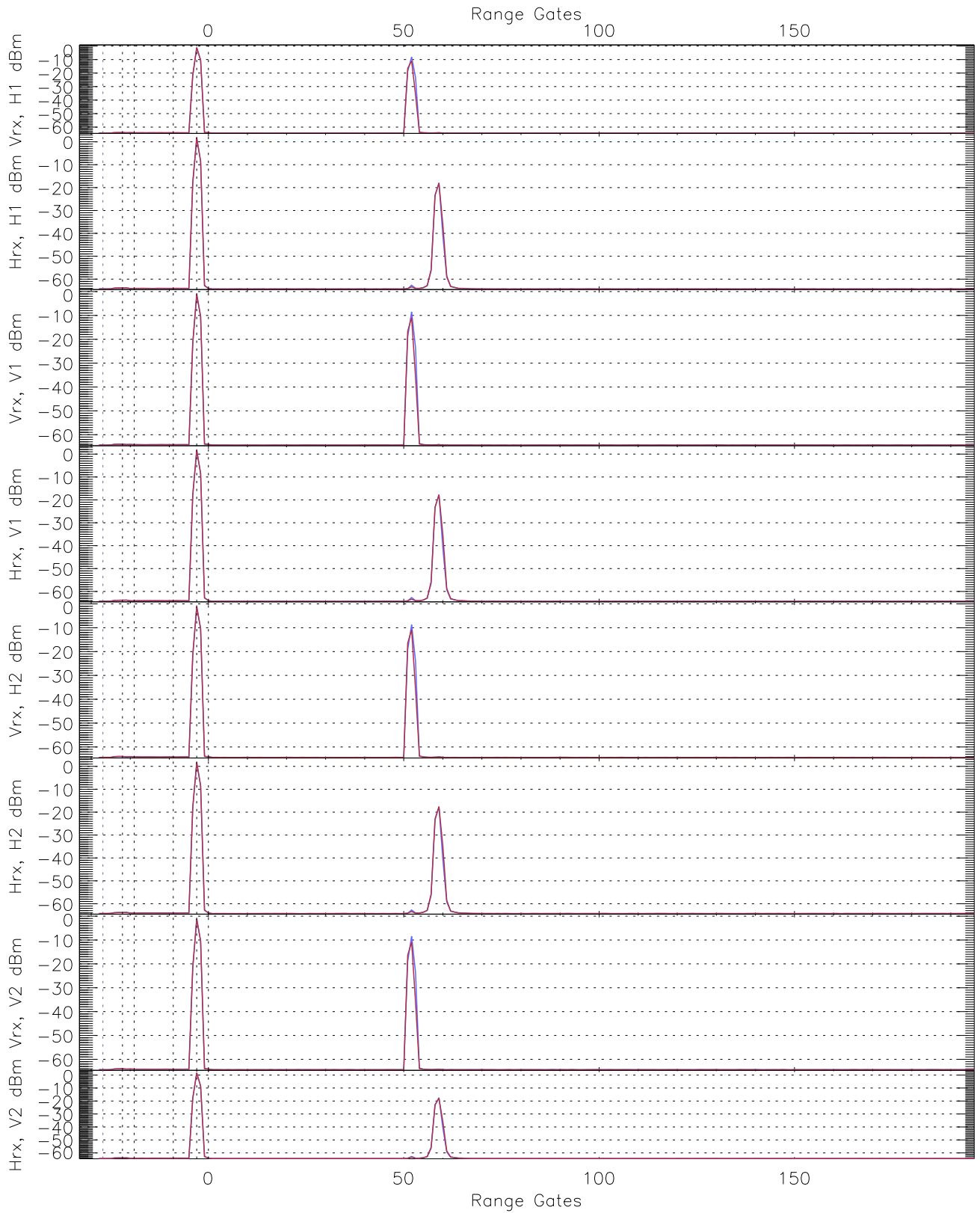
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.60	-64.10	-64.36	-64.36	-80.20
Hrx, H1 (RM [dBm])	-64.50	-63.97	-64.24	-64.23	-79.90
Vrx, V1 (RM [dBm])	-64.68	-63.99	-64.36	-64.37	-80.46
Hrx, V1 (RM [dBm])	-64.50	-63.97	-64.25	-64.24	-80.11
Vrx, H2 (RM [dBm])	-64.67	-64.04	-64.35	-64.33	-79.75
Hrx, H2 (RM [dBm])	-64.65	-63.99	-64.26	-64.27	-79.76
Vrx, V2 (RM [dBm])	-64.64	-64.05	-64.36	-64.35	-79.88
Hrx, V2 (RM [dBm])	-64.58	-63.96	-64.24	-64.25	-79.92

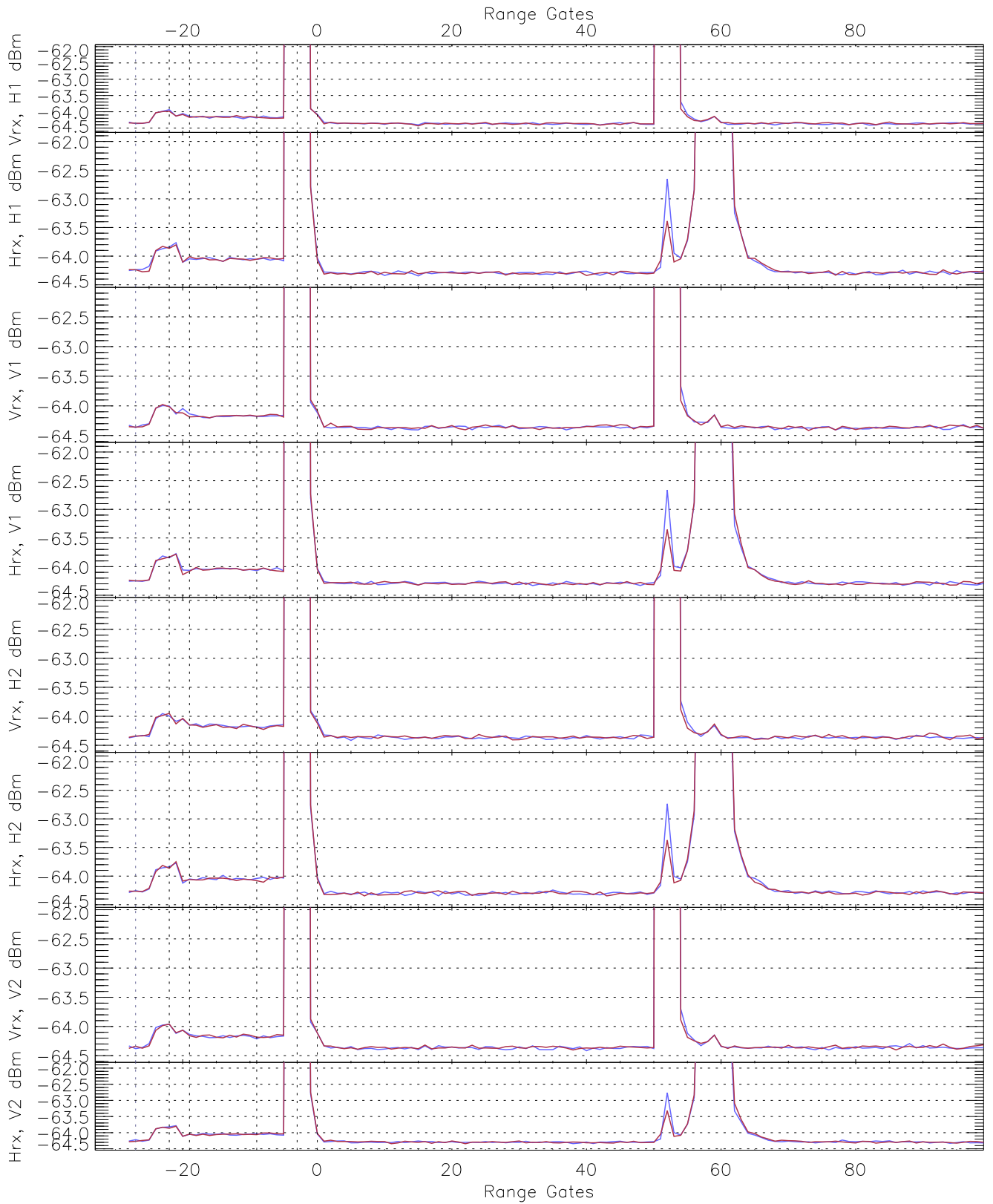


WCR3 FF4 "Best" estimate Receivers Noise Power

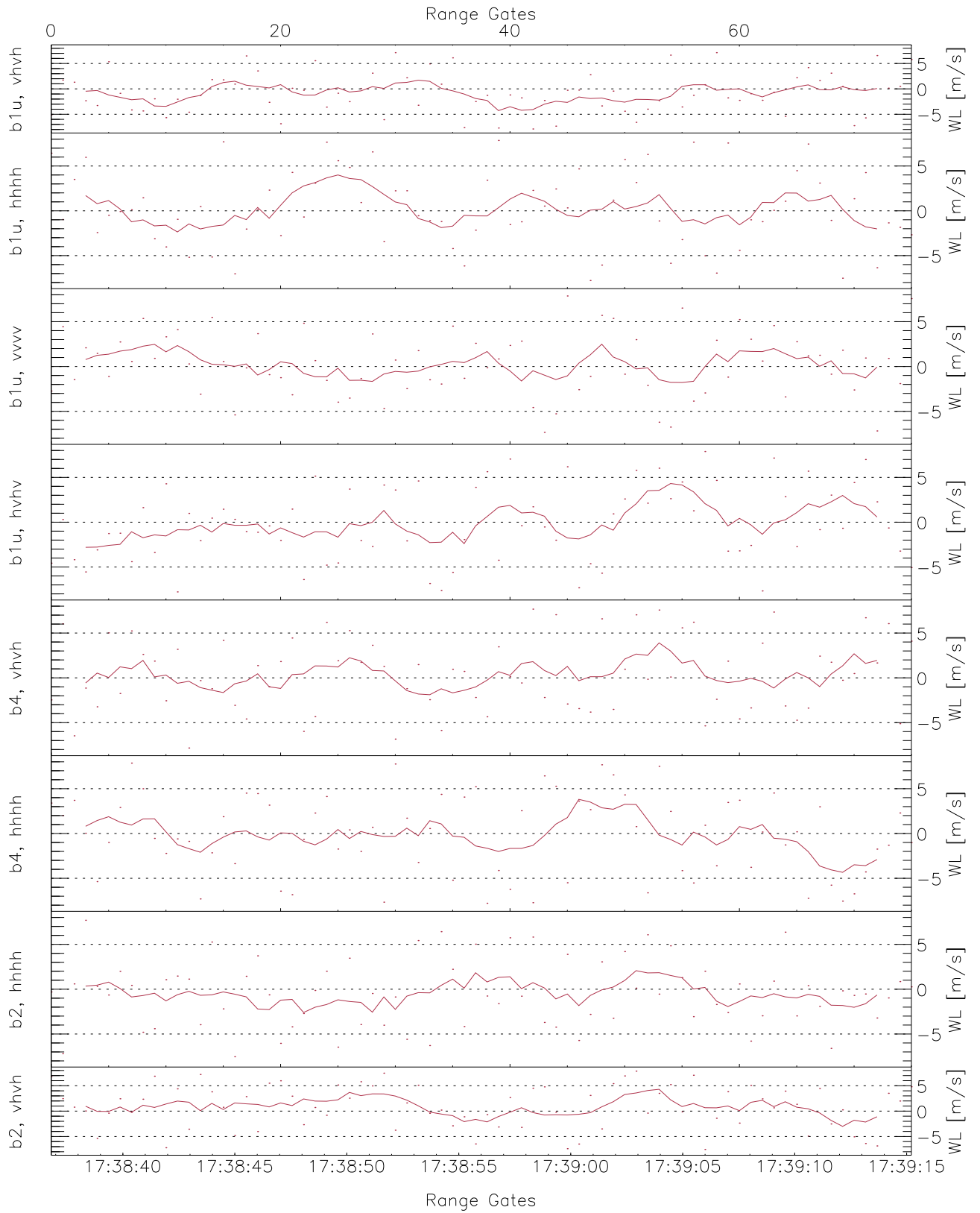
	Min	Max	Mean	Median	StDev
H1RG15_0 [dBm]	-64.71	-64.09	-64.41	-64.41	-79.57
H1RG15_0 [dBm]	-64.64	-64.06	-64.33	-64.32	-79.49
V1RG77_0 [dBm]	-64.71	-64.12	-64.41	-64.41	-79.79
V1RG169_0 [dBm]	-64.60	-64.08	-64.32	-64.34	-79.64
H2RG65_0 [dBm]	-64.64	-64.07	-64.40	-64.41	-79.76
H2RG23_0 [dBm]	-64.62	-64.04	-64.33	-64.34	-80.26
V2RG149_0 [dBm]	-64.75	-64.09	-64.39	-64.38	-80.40
V2RG175_0 [dBm]	-64.63	-64.02	-64.32	-64.31	-79.75



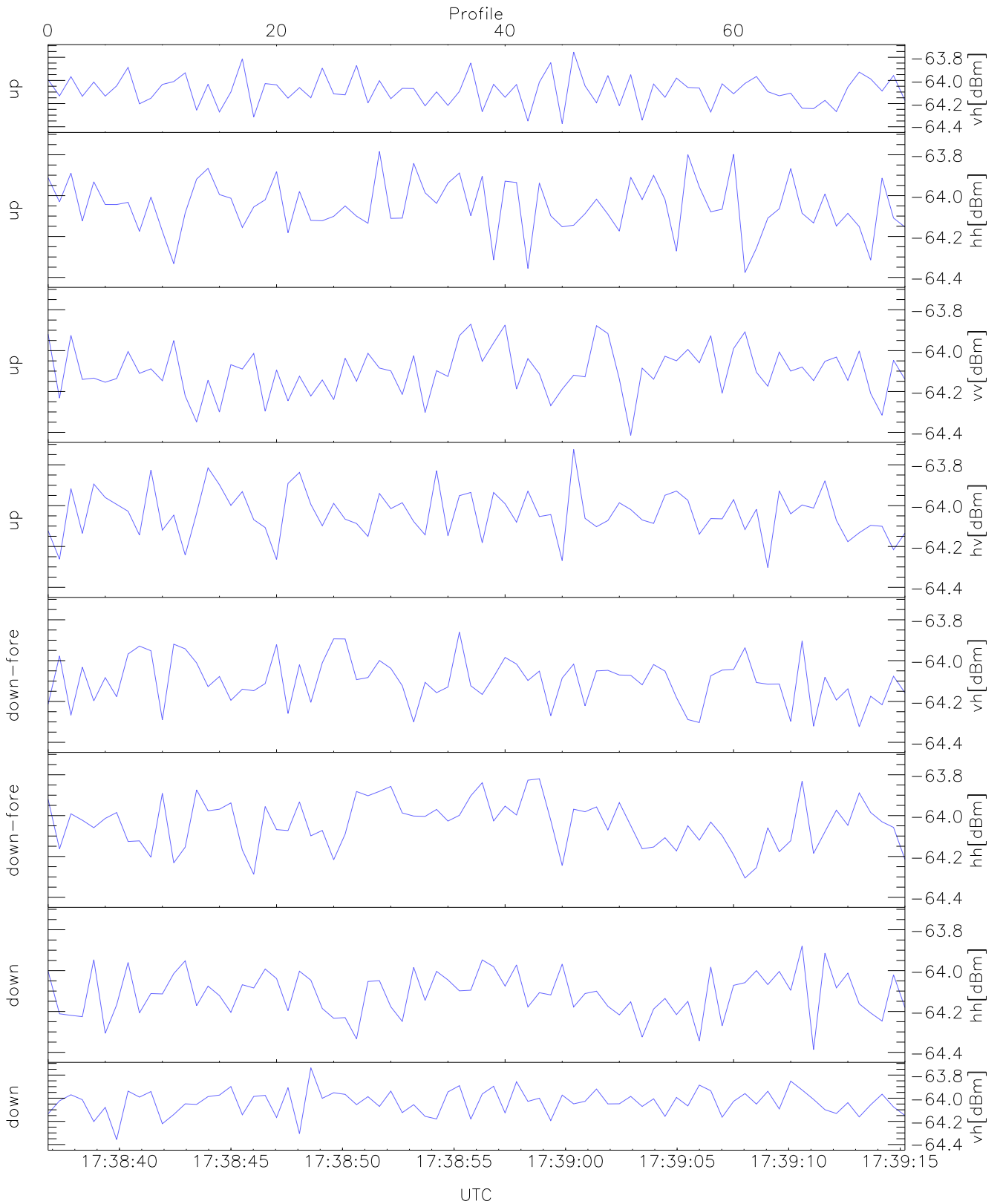
WCR3 FF4 Averaged Received power for all recorded gates
 blue: 173837-173856, 39 profiles averaged
 red: 173856-173915, 38 profiles averaged



WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate
 blue: 173837-173856, 39 profiles averaged
 red: 173856-173915, 38 profiles averaged

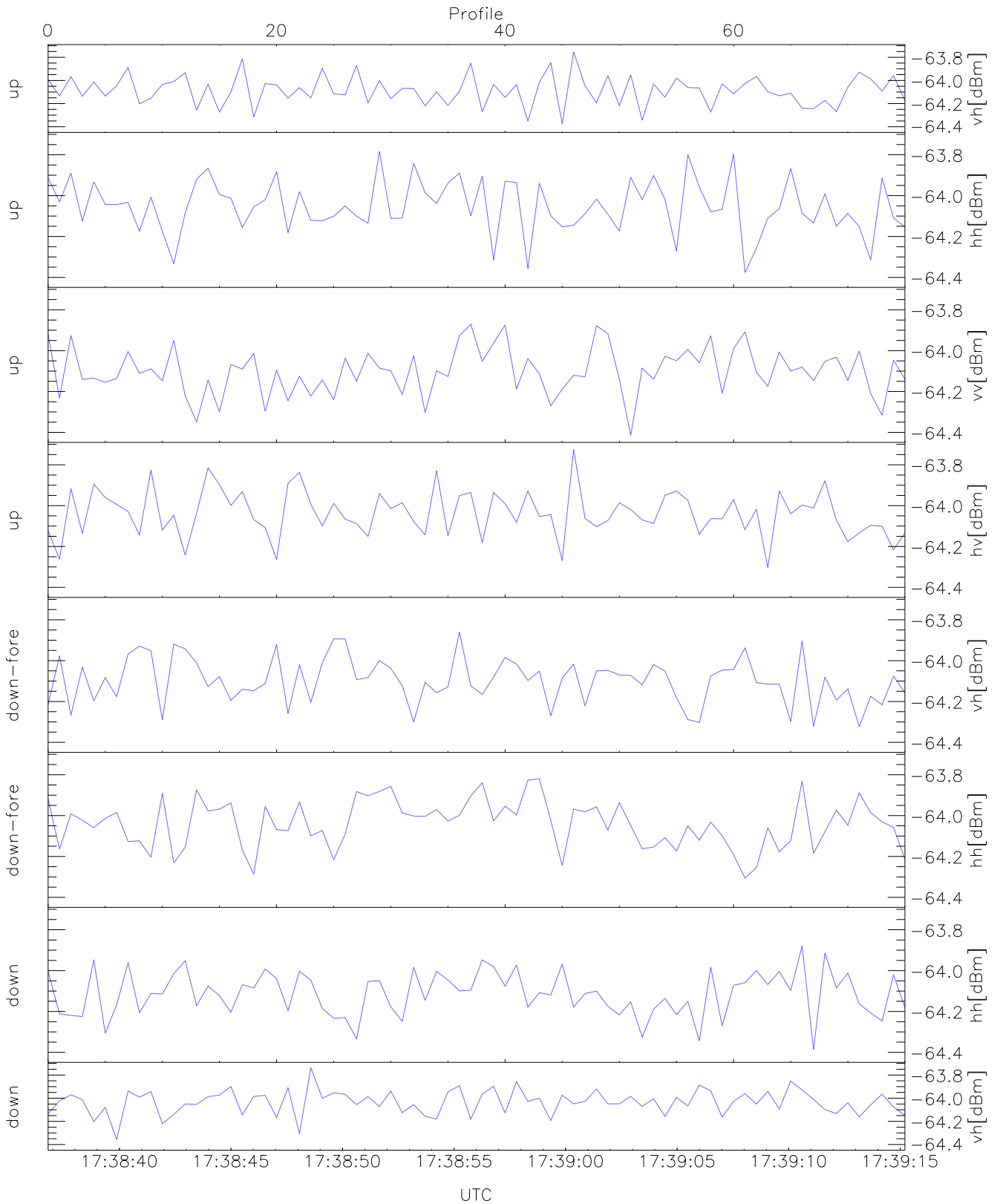


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



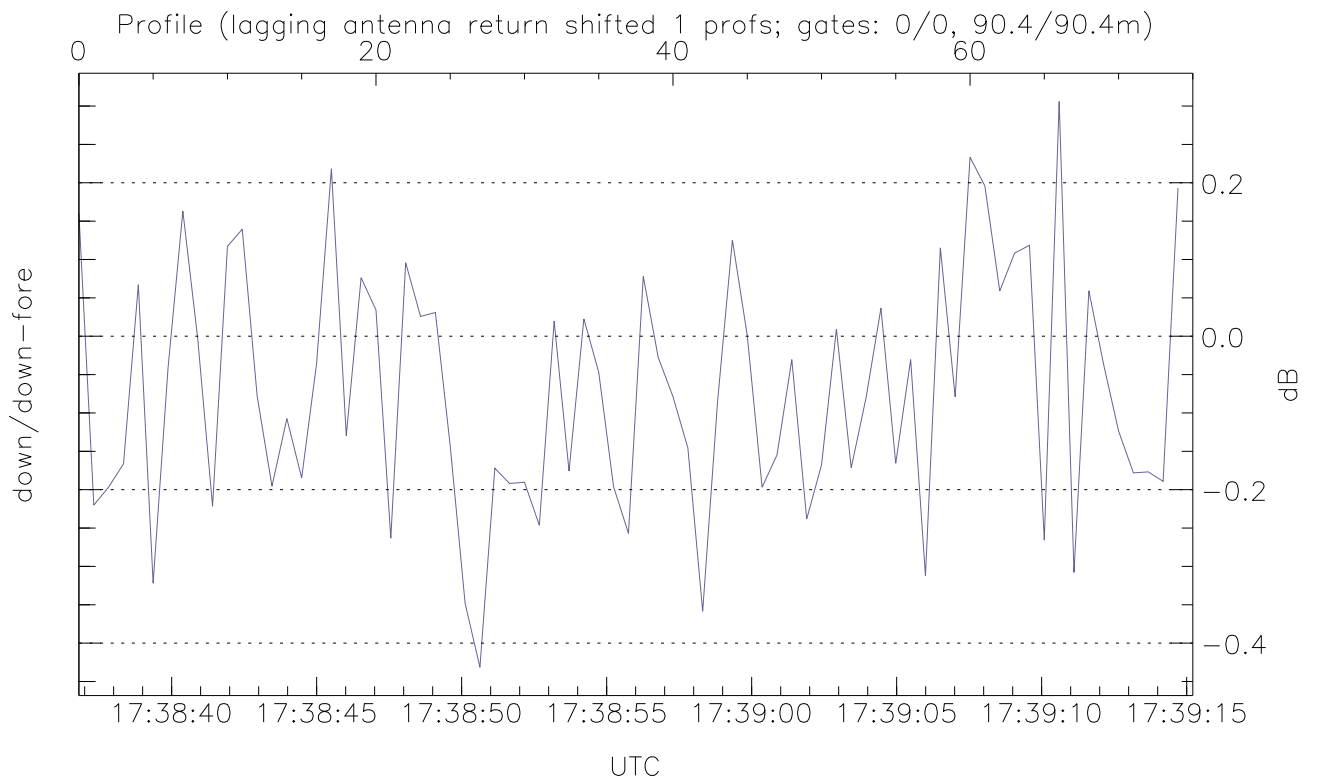
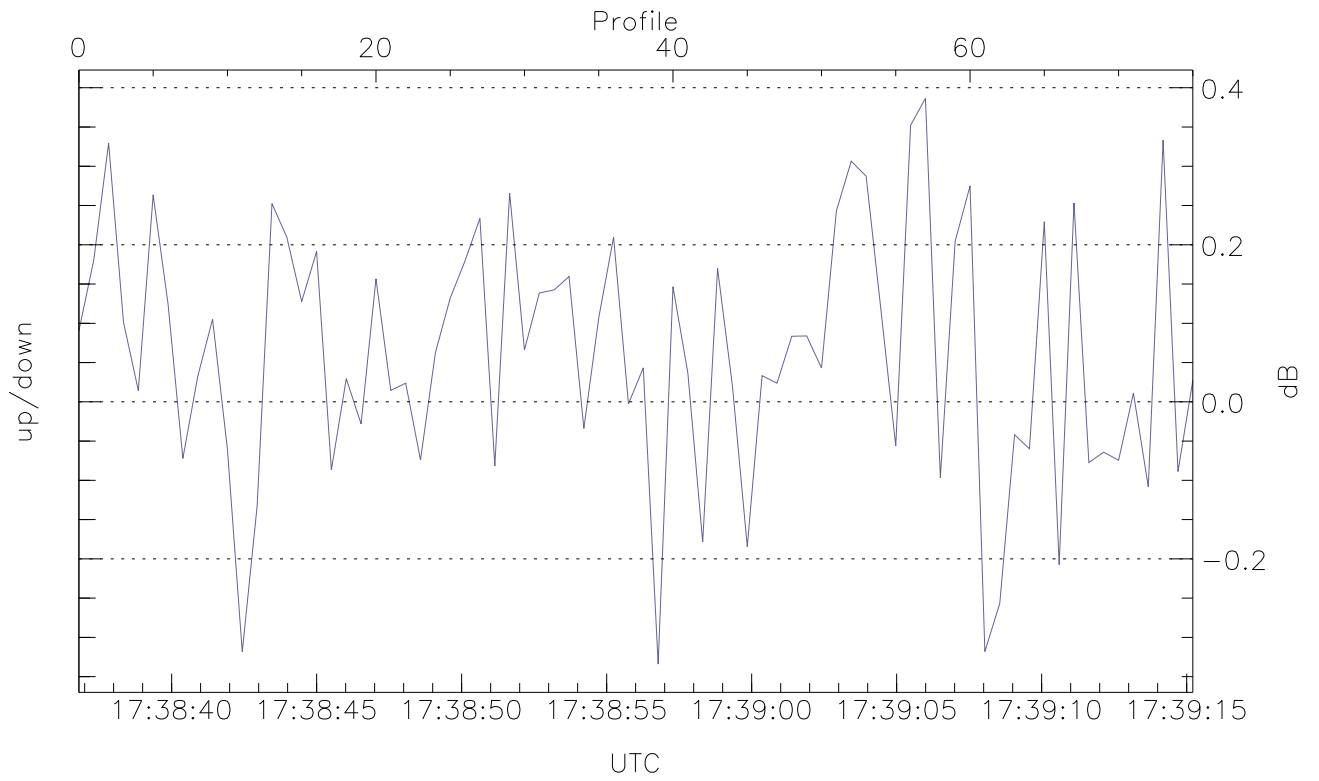
WCR3 FF4 Received Power Products for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.37	-63.75	-64.08
up(hh[dBm])	-64.38	-63.78	-64.05
up(vv[dBm])	-64.41	-63.87	-64.10
up(hv[dBm])	-64.30	-63.72	-64.04
down-fore(vh[dBm])	-64.32	-63.86	-64.10
down-fore(hh[dBm])	-64.31	-63.82	-64.04
down(hh[dBm])	-64.39	-63.88	-64.11
down(vh[dBm])	-64.36	-63.74	-64.03



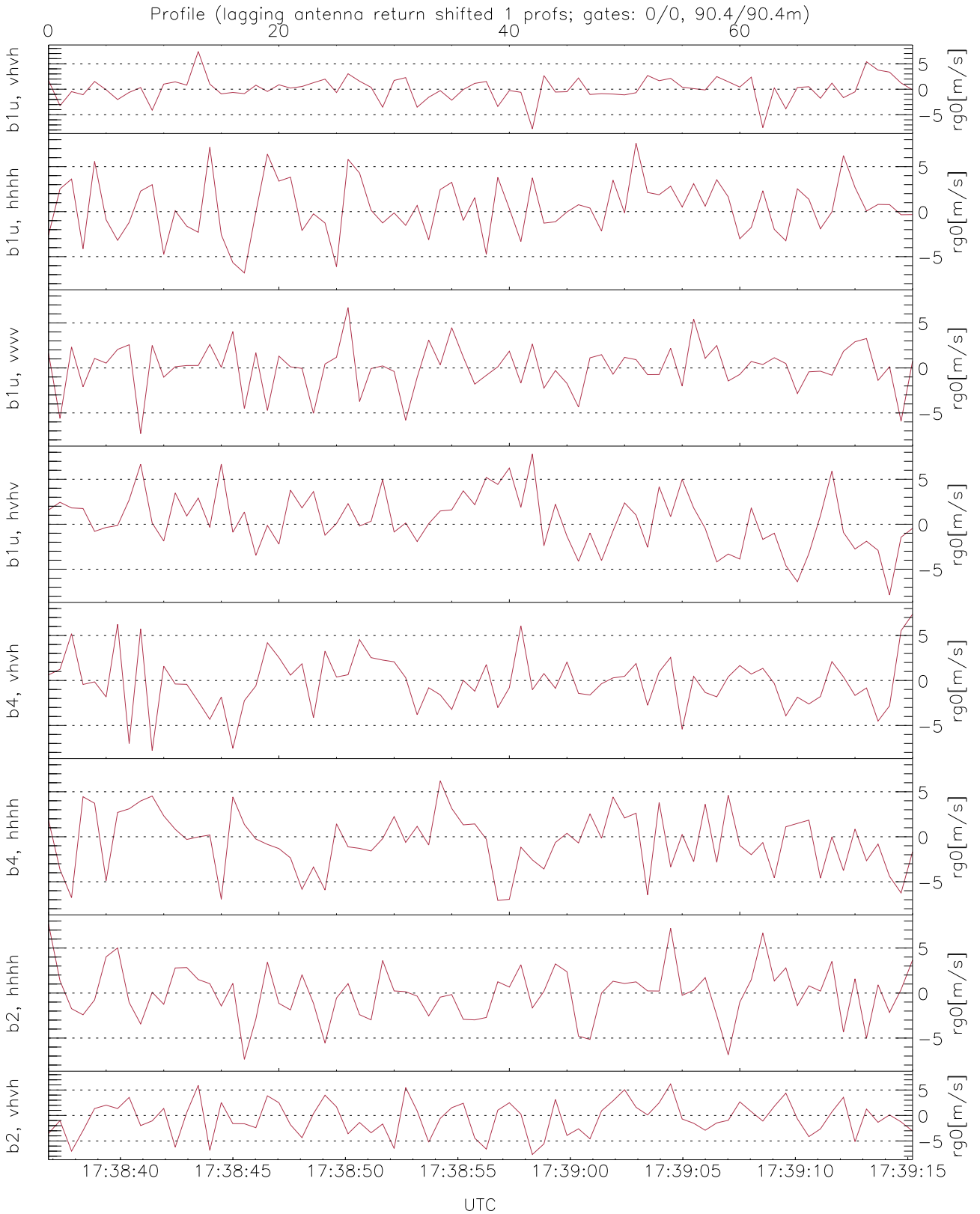
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.37	-63.75	-64.08
up(hh[dBm])	-64.38	-63.78	-64.05
up(vv[dBm])	-64.41	-63.87	-64.10
up(hv[dBm])	-64.30	-63.72	-64.04
down-fore(vh[dBm])	-64.32	-63.86	-64.10
down-fore(hh[dBm])	-64.31	-63.82	-64.04
down(hh[dBm])	-64.39	-63.88	-64.11
down(vh[dBm])	-64.36	-63.74	-64.03



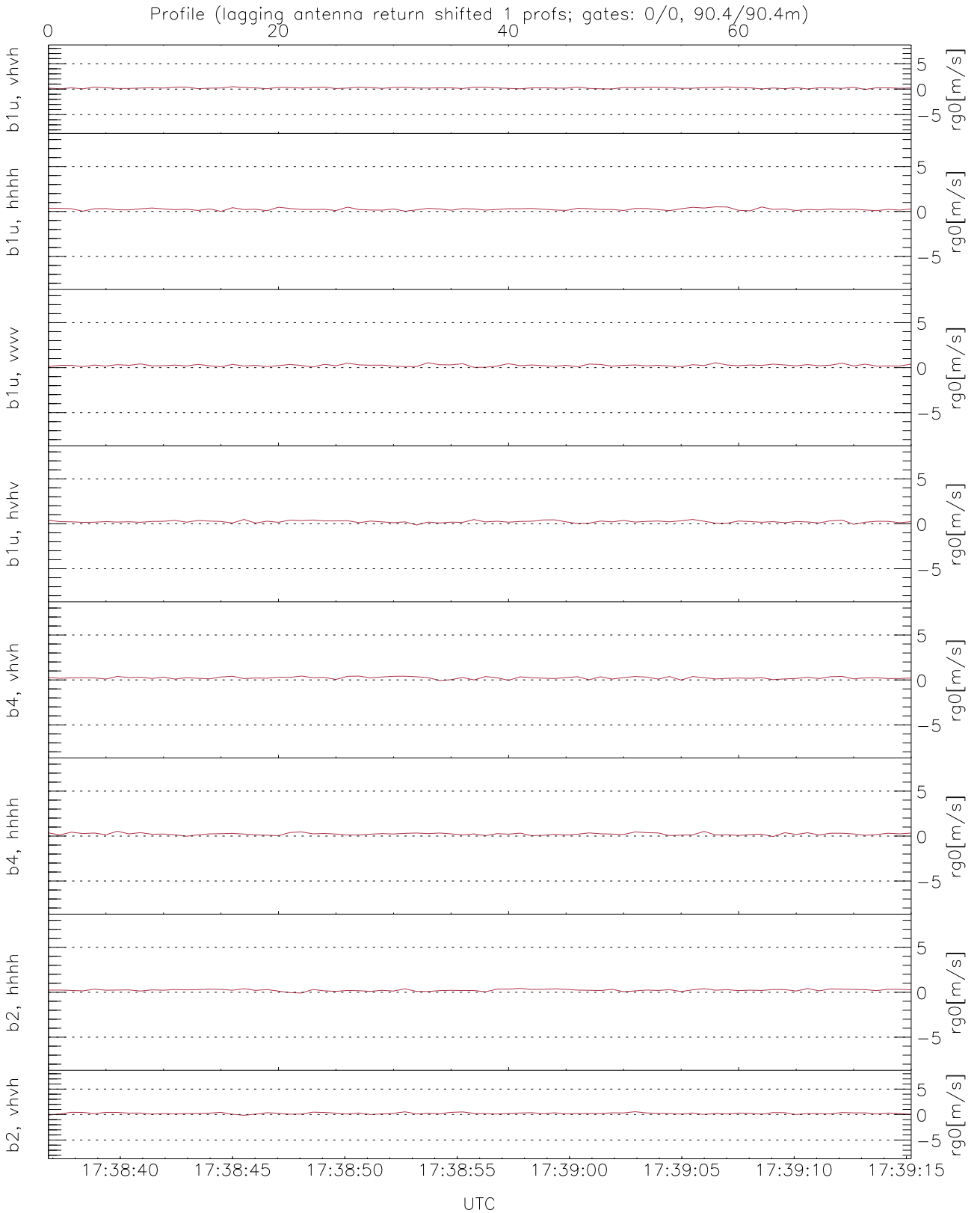
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (90 m)

	Min	Max	Mean
up/down (dB)	-0.33	0.39	0.06
down/down-fore (dB)	-0.43	0.31	-0.07



WCR3 FF4 Doppler Velocity Products at 90.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-7.77	7.41	0.10	2.34
b1u, hhhh(rg0[m/s])	-6.81	7.62	0.41	3.09
b1u, vvvv(rg0[m/s])	-7.31	6.71	0.01	2.59
b1u, hvhv(rg0[m/s])	-7.87	7.80	0.43	3.11
b4, vvhv(rg0[m/s])	-7.78	7.37	-0.13	3.03
b4, hhhh(rg0[m/s])	-7.07	6.22	-0.51	3.24
b2, hhhh(rg0[m/s])	-7.37	7.68	0.00	2.94
b2, vvhv(rg0[m/s])	-7.66	6.17	-0.58	3.30



WCR3 FF4 Doppler Velocity Products (psdmom1) at 90.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.06	0.48	0.24	0.12
b1u, hhhh(rg0[m/s])	0.01	0.52	0.25	0.11
b1u, vvvv(rg0[m/s])	0.03	0.54	0.26	0.11
b1u, hvhv(rg0[m/s])	-0.13	0.48	0.24	0.12
b4, vvhv(rg0[m/s])	-0.07	0.43	0.23	0.12
b4, hhhh(rg0[m/s])	-0.06	0.54	0.23	0.12
b2, hhhh(rg0[m/s])	-0.09	0.43	0.23	0.10
b2, vvhv(rg0[m/s])	-0.15	0.56	0.24	0.14