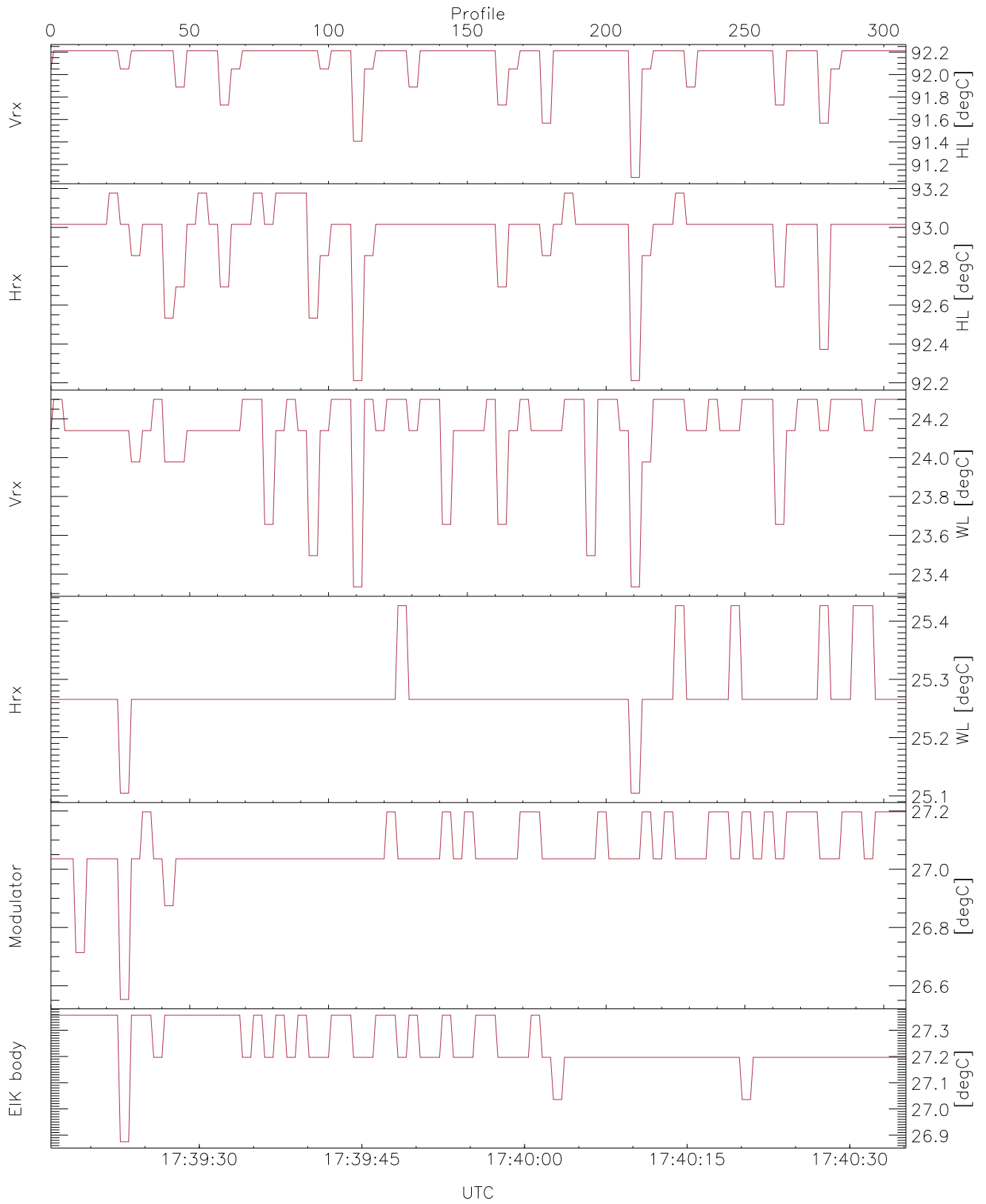


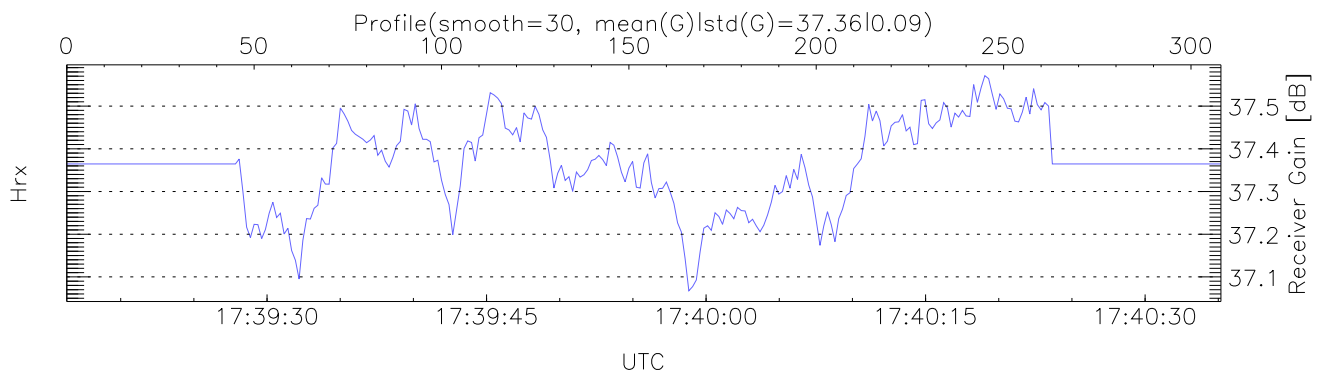
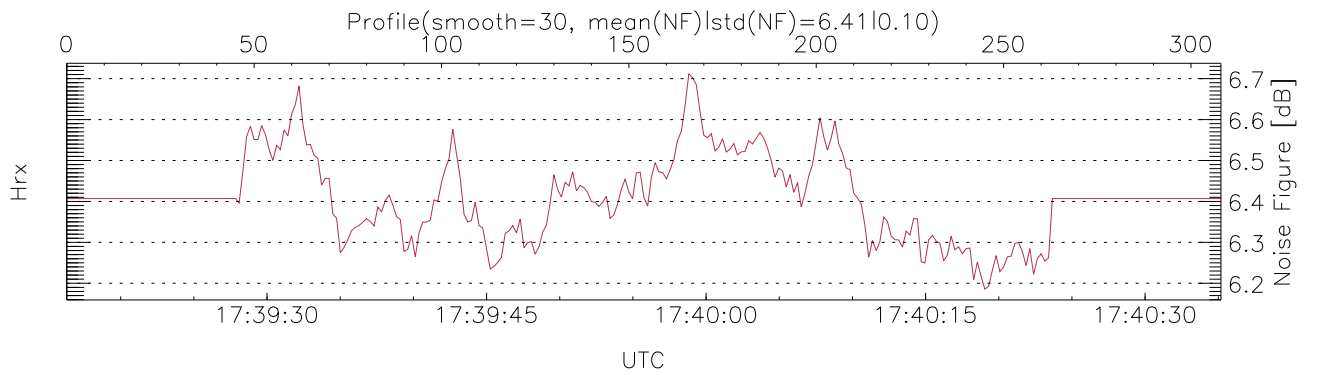
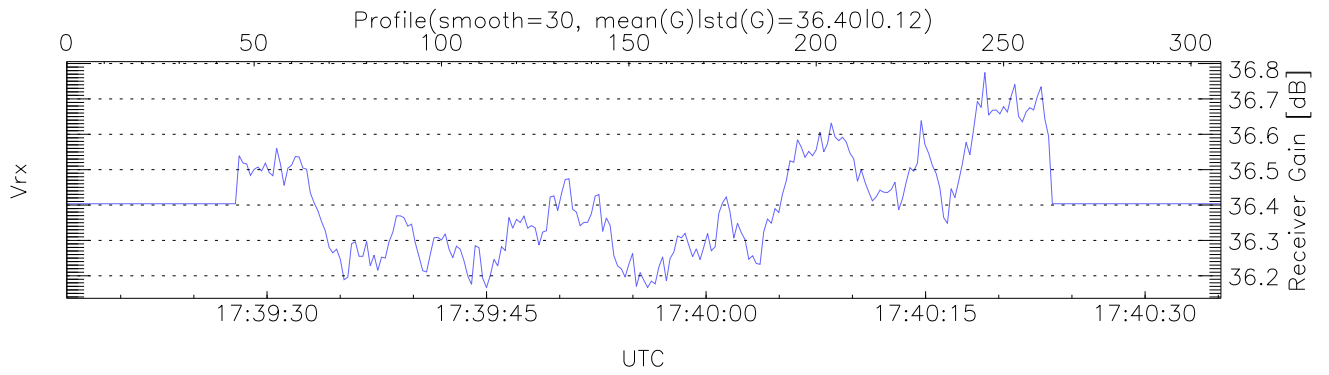
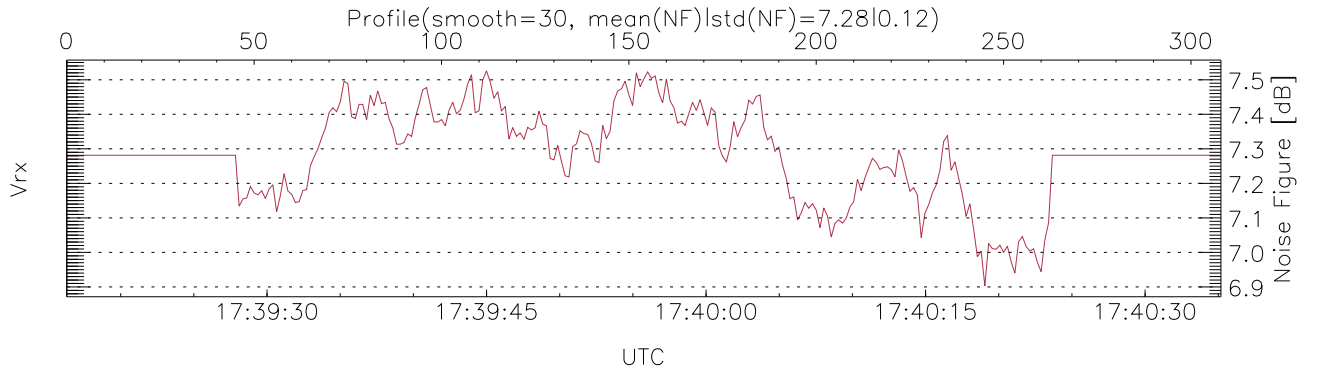
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:39:16-17:40:35, TimeCor: 0.00s, Dur: 78.87s
 TimeFlg: 1, TFPstatus constant.
 TimeInt/PPS(min,max,mn,std): 256.1,256.1,256.1,0.0 ms / 3.9,3.9,3.9
 NumRec(r/t): 309/309, 0-308/17:39:16-17:40:35
 AcqTime: 256.0ms, Rate: 0.960MB/s, Averages (req.,actual): 20,20
 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: 1.3
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1
 FFTlen: 32, FFTwin: rectangular, # averagedFFT: 20, cr-polFFT: YES
 FFTres: 0.493,0.493,0.493,0.493,0.493,0.493,0.493,0.493 m/s, PulsePairCalc: YES



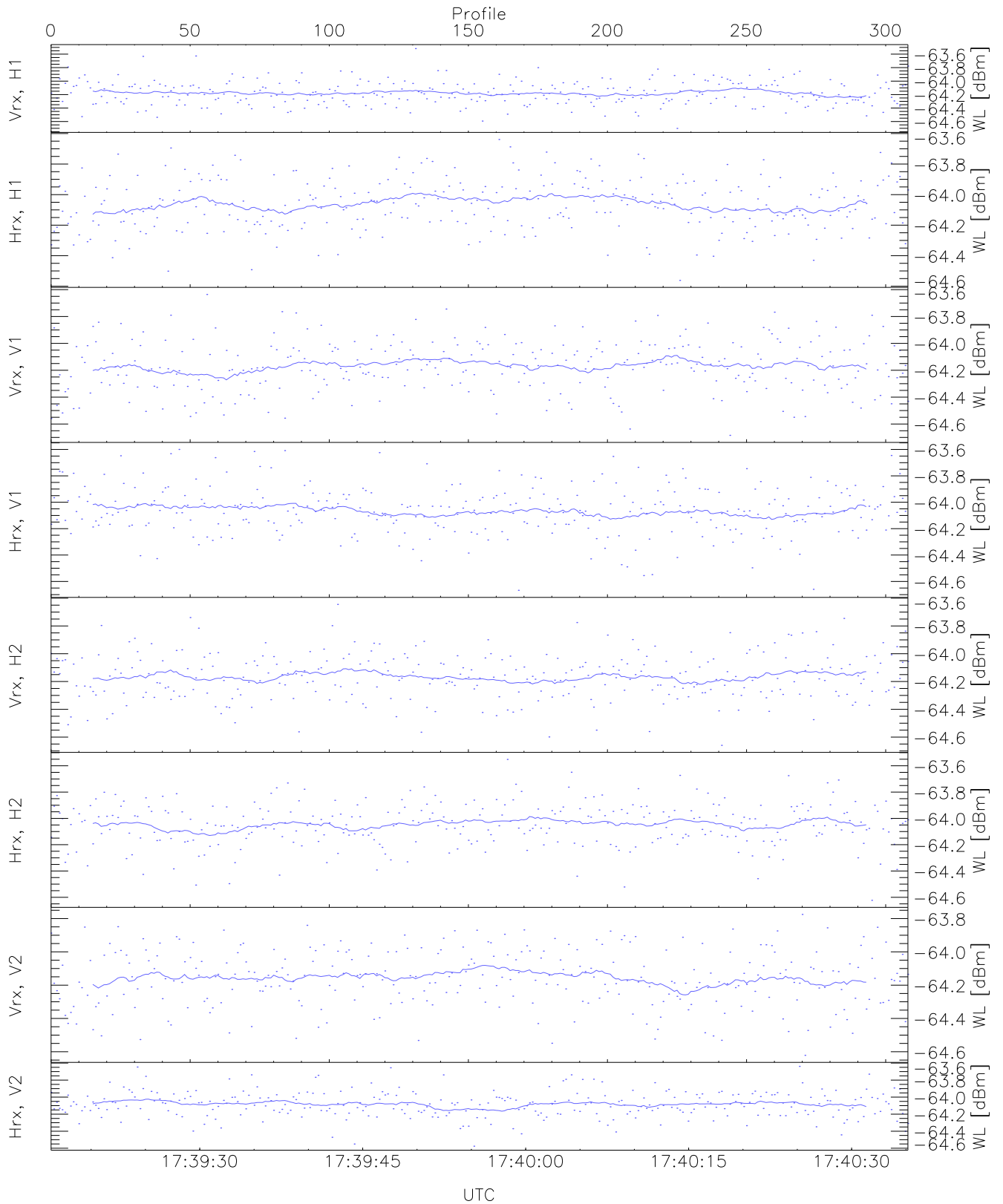
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,23,25,26,26
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,24,25,27,27
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



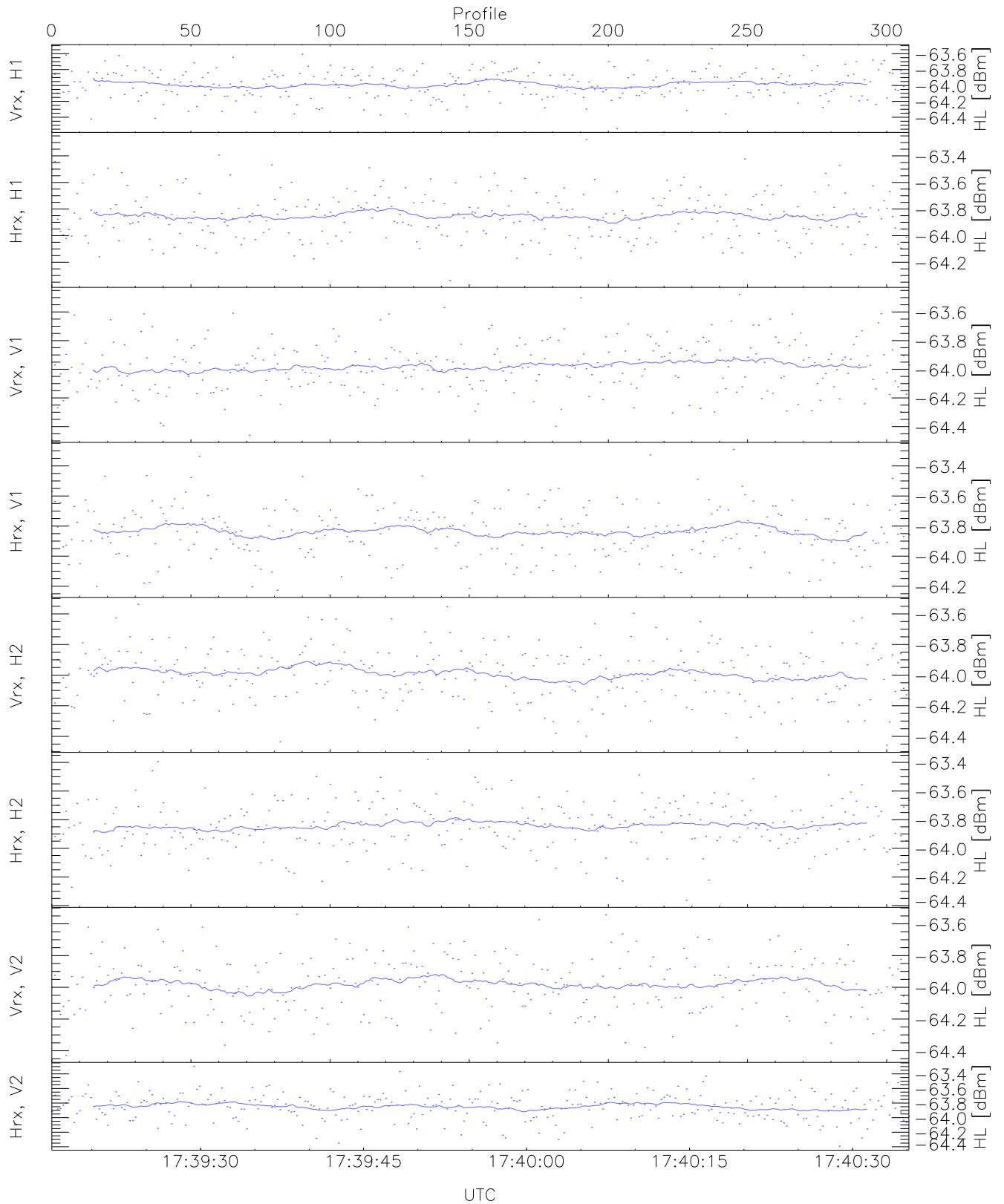
WCR3 FF4 Receivers Gain and Noise Figure

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



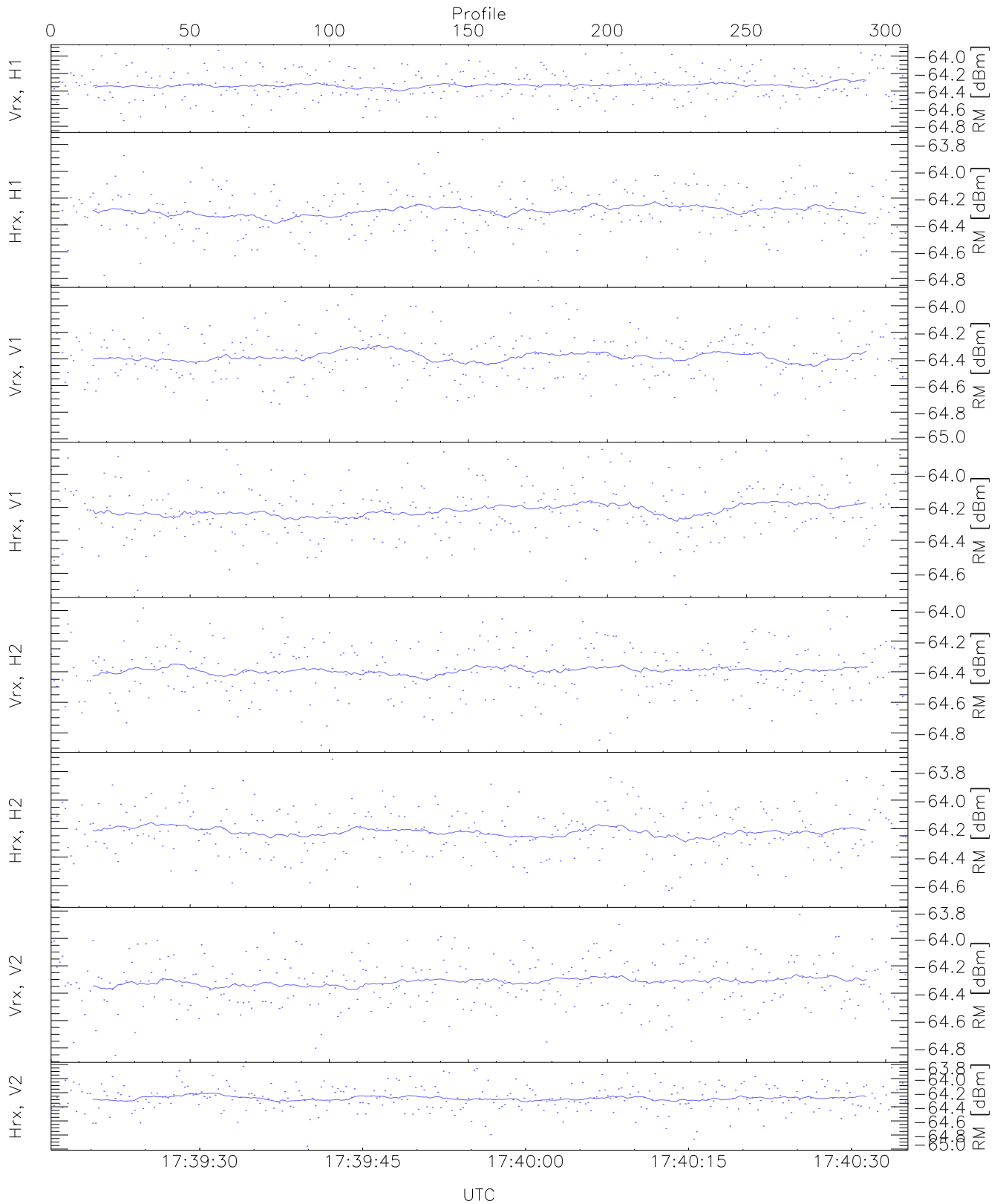
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.70	-63.52	-64.17	-64.19	-78.06
Hrx, H1 (WL [dBm])	-64.56	-63.64	-64.06	-64.07	-78.22
Vrx, V1 (WL [dBm])	-64.68	-63.64	-64.17	-64.18	-77.79
Hrx, V1 (WL [dBm])	-64.67	-63.60	-64.06	-64.07	-77.80
Vrx, H2 (WL [dBm])	-64.66	-63.64	-64.16	-64.17	-78.36
Hrx, H2 (WL [dBm])	-64.62	-63.55	-64.04	-64.04	-78.29
Vrx, V2 (WL [dBm])	-64.62	-63.78	-64.16	-64.15	-78.28
Hrx, V2 (WL [dBm])	-64.58	-63.64	-64.08	-64.09	-78.67



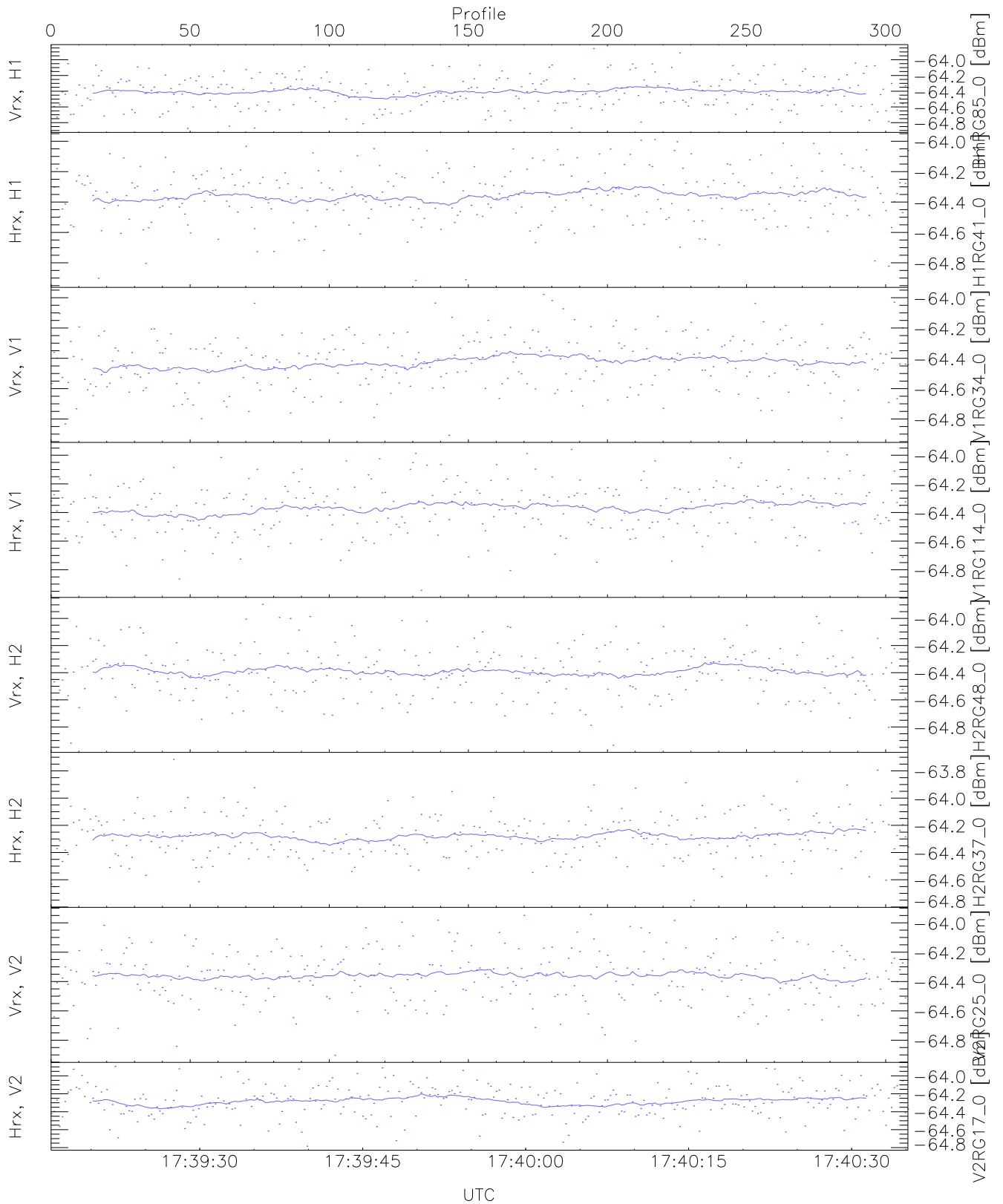
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.54	-63.54	-63.98	-63.98	-78.02
Hrx, H1 (HL [dBm])	-64.34	-63.28	-63.85	-63.85	-77.89
Vrx, V1 (HL [dBm])	-64.46	-63.48	-63.98	-63.99	-78.02
Hrx, V1 (HL [dBm])	-64.23	-63.29	-63.83	-63.84	-78.03
Vrx, H2 (HL [dBm])	-64.46	-63.54	-63.99	-63.99	-78.02
Hrx, H2 (HL [dBm])	-64.36	-63.38	-63.84	-63.85	-78.07
Vrx, V2 (HL [dBm])	-64.43	-63.54	-63.98	-63.98	-78.19
Hrx, V2 (HL [dBm])	-64.39	-63.30	-63.85	-63.83	-77.75



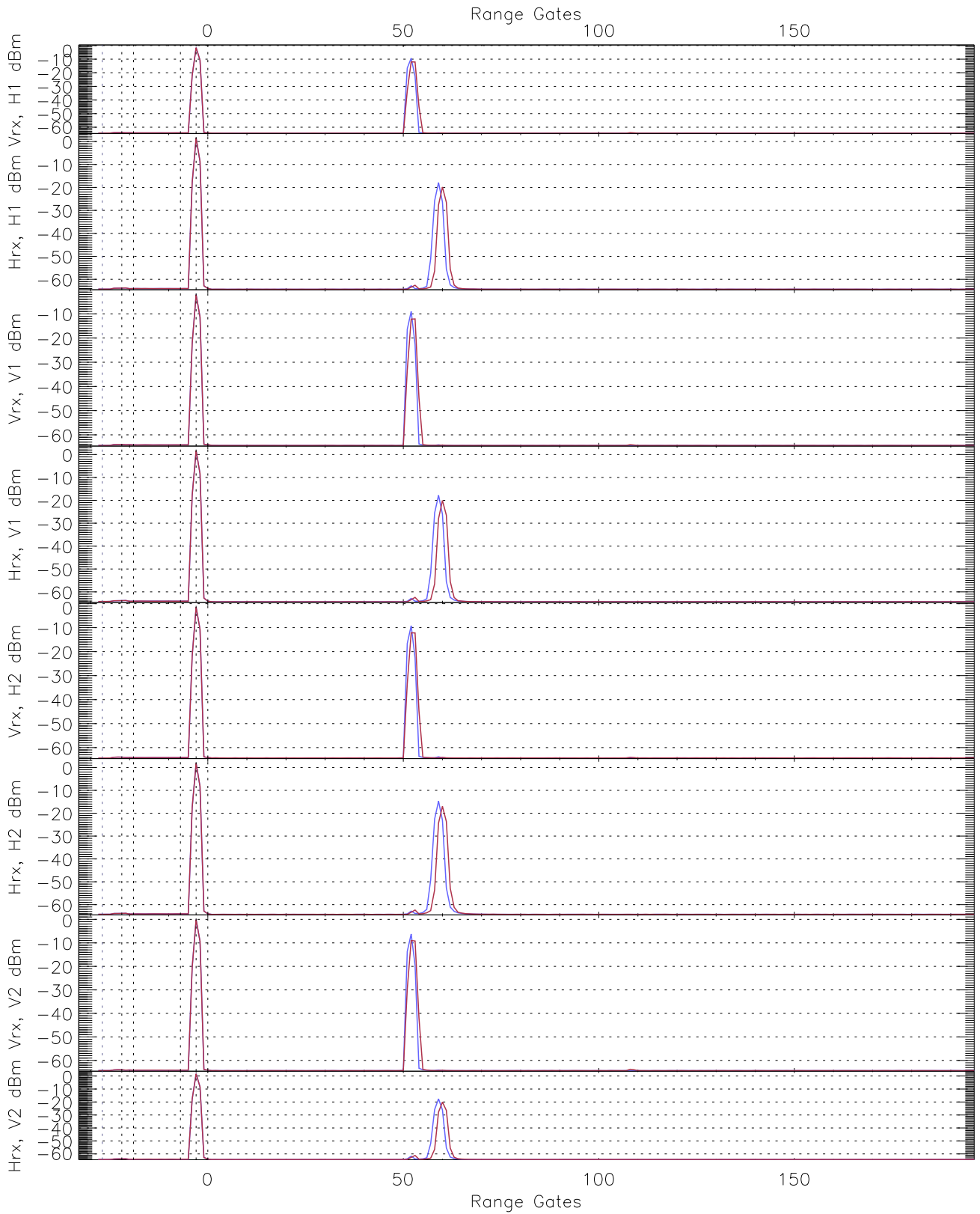
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.82	-63.92	-64.33	-64.34	-78.42
Hrx, H1 (RM [dBm])	-64.81	-63.76	-64.29	-64.30	-78.54
Vrx, V1 (RM [dBm])	-64.97	-63.92	-64.38	-64.38	-78.36
Hrx, V1 (RM [dBm])	-64.70	-63.85	-64.21	-64.22	-78.55
Vrx, H2 (RM [dBm])	-64.88	-63.96	-64.39	-64.39	-78.59
Hrx, H2 (RM [dBm])	-64.70	-63.71	-64.22	-64.22	-78.35
Vrx, V2 (RM [dBm])	-64.85	-63.82	-64.31	-64.32	-78.16
Hrx, V2 (RM [dBm])	-64.96	-63.83	-64.28	-64.28	-78.13



WCR3 FF4 "Best" estimate Receivers Noise Power

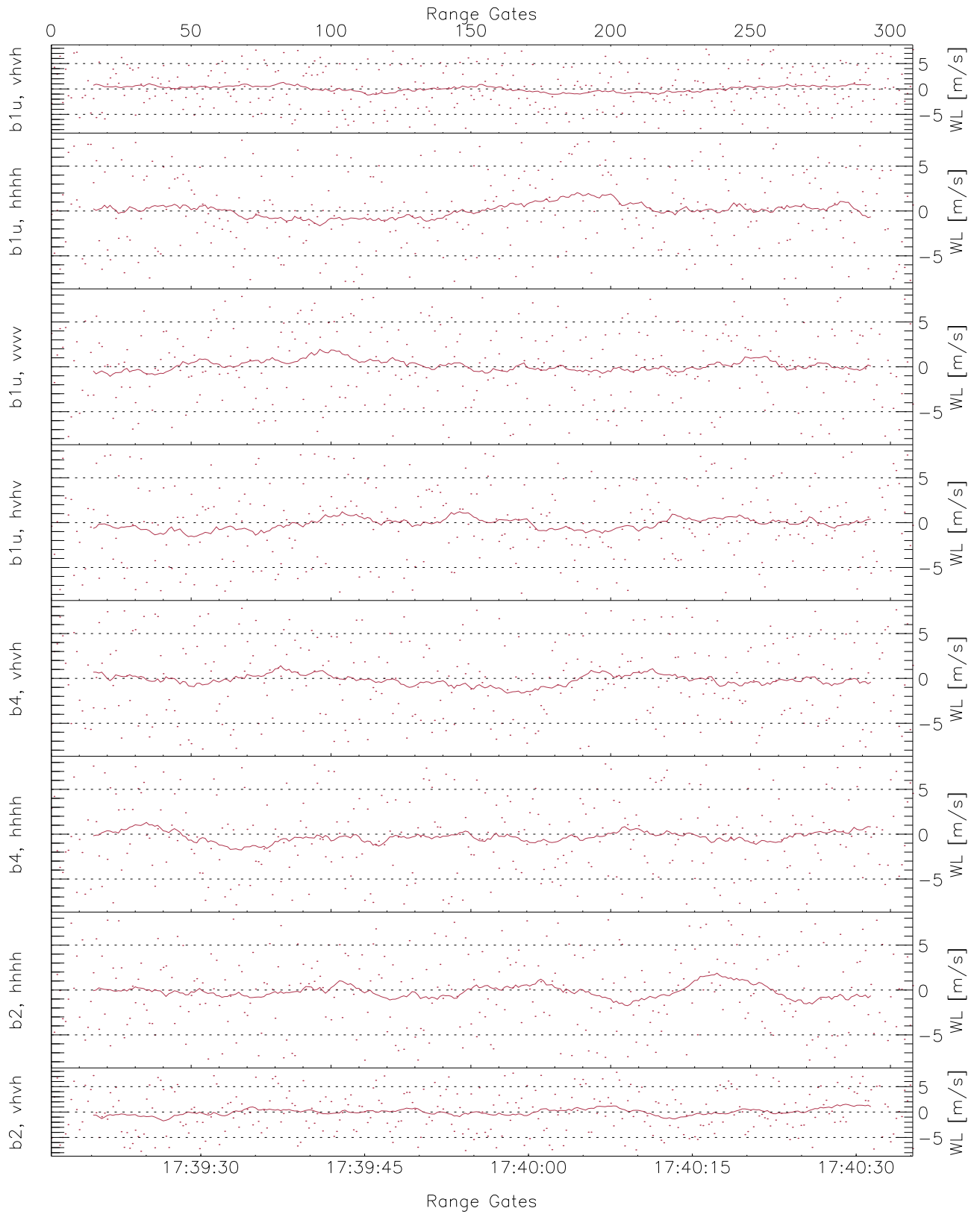
	Min	Max	Mean	Median	StDev
H1RG85_0 [dBm]	-64.87	-63.86	-64.41	-64.41	-77.94
H1RG41_0 [dBm]	-64.92	-63.99	-64.36	-64.36	-78.40
V1RG34_0 [dBm]	-64.91	-63.98	-64.43	-64.42	-78.61
V1RG114_0 [dBm]	-64.94	-63.96	-64.37	-64.35	-78.32
H2RG48_0 [dBm]	-64.94	-63.90	-64.39	-64.40	-78.25
H2RG37_0 [dBm]	-64.75	-63.72	-64.28	-64.29	-78.63
V2RG25_0 [dBm]	-64.90	-63.94	-64.36	-64.35	-78.37
V2RG17_0 [dBm]	-64.78	-63.89	-64.28	-64.27	-78.47



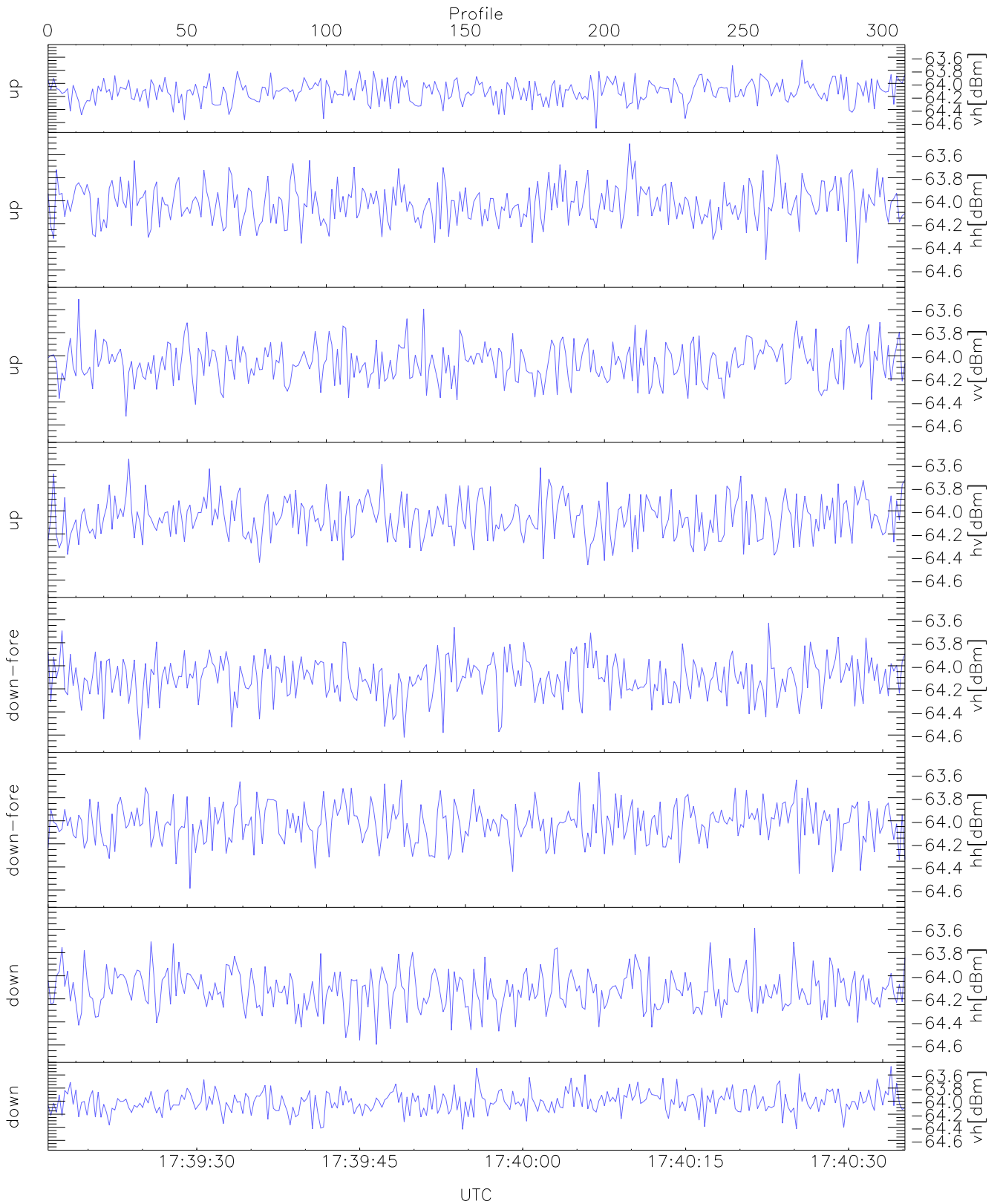
WCR3 FF4 Averaged Received power for all recorded gates
 blue: 173916-173956, 155 profiles averaged
 red: 173956-174035, 155 profiles averaged



WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate
 blue: 173916-173956, 155 profiles averaged
 red: 173956-174035, 155 profiles averaged

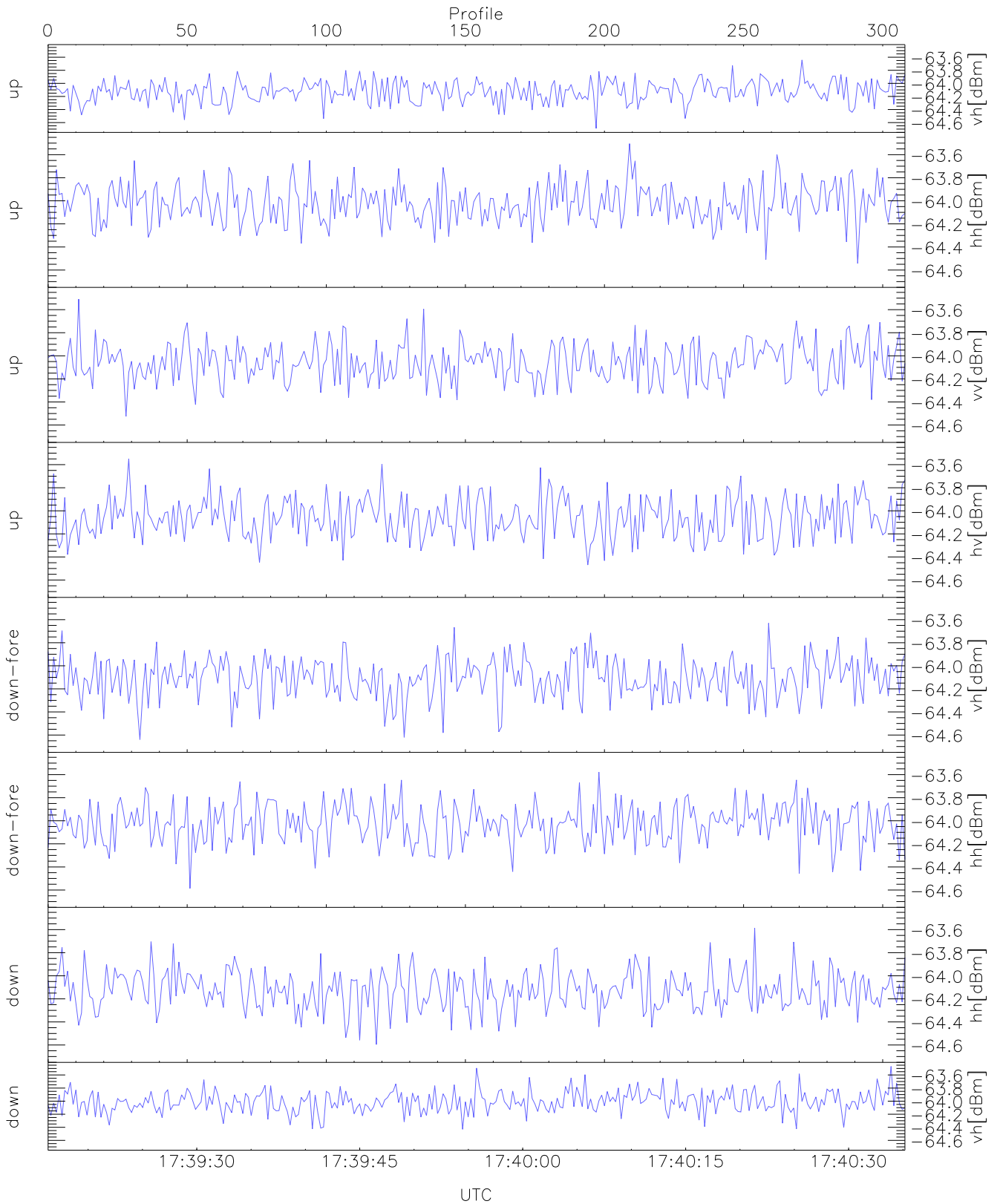


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



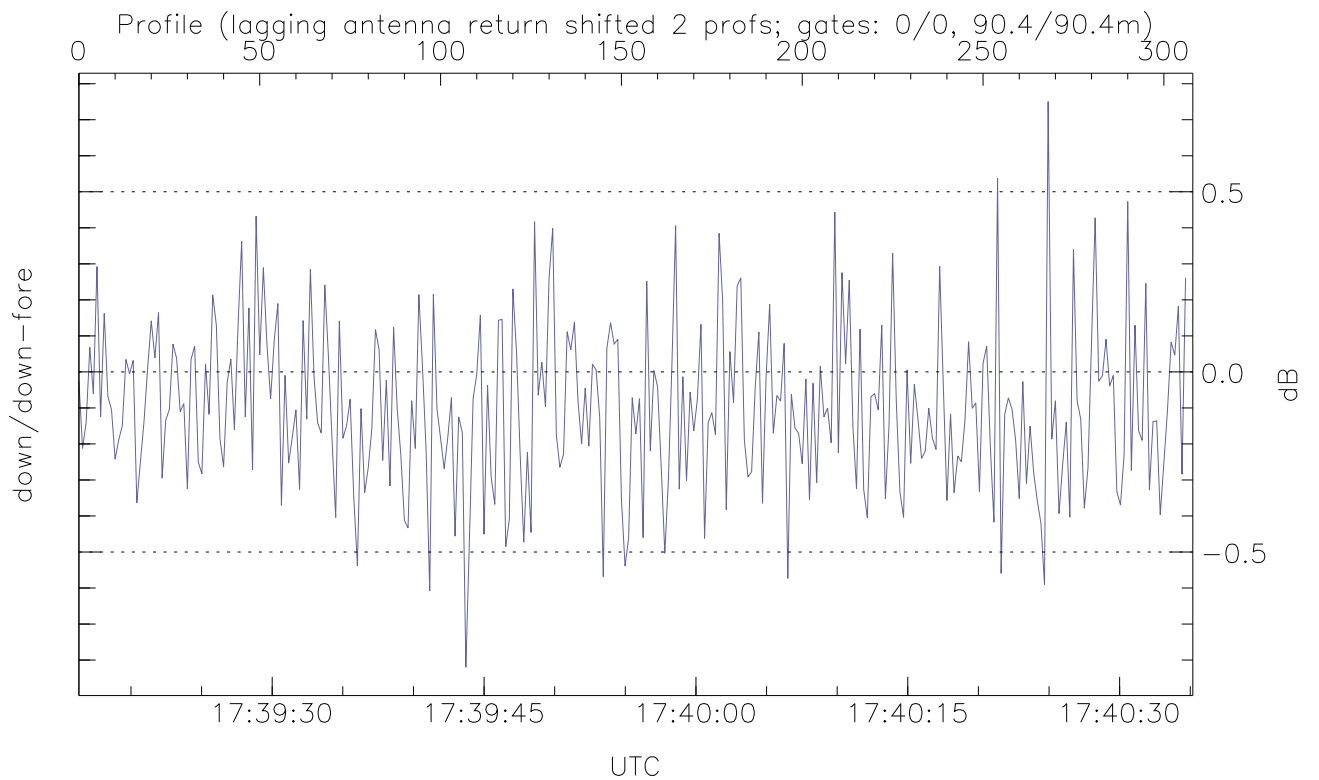
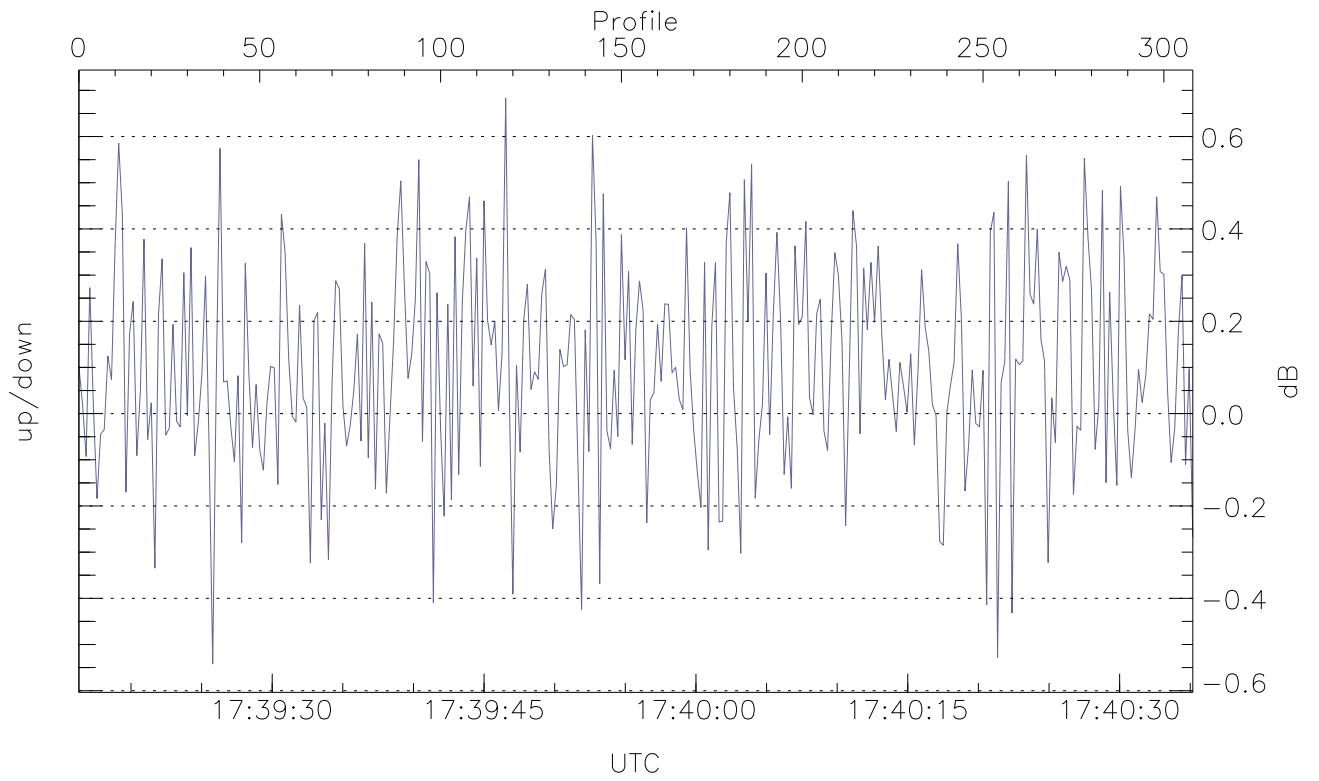
WCR3 FF4 Received Power Products for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.69	-63.64	-64.12
up(hh[dBm])	-64.54	-63.50	-64.02
up(vv[dBm])	-64.53	-63.51	-64.06
up(hv[dBm])	-64.47	-63.55	-64.06
down-fore(vh[dBm])	-64.64	-63.63	-64.10
down-fore(hh[dBm])	-64.59	-63.58	-64.02
down(hh[dBm])	-64.60	-63.59	-64.12
down(vh[dBm])	-64.43	-63.47	-64.01



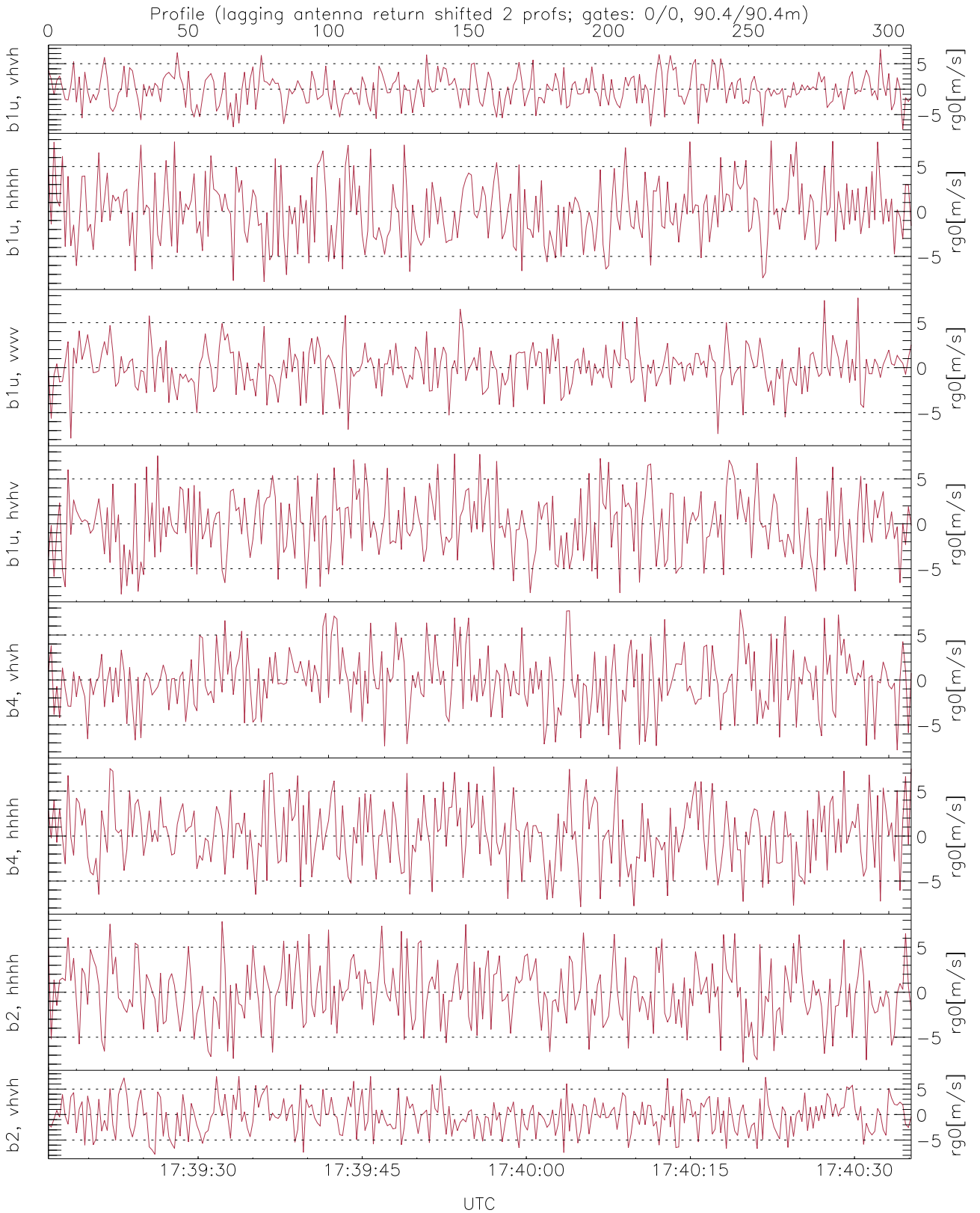
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.69	-63.64	-64.12
up(hh[dBm])	-64.54	-63.50	-64.02
up(vv[dBm])	-64.53	-63.51	-64.06
up(hv[dBm])	-64.47	-63.55	-64.06
down-fore(vh[dBm])	-64.64	-63.63	-64.10
down-fore(hh[dBm])	-64.59	-63.58	-64.02
down(hh[dBm])	-64.60	-63.59	-64.12
down(vh[dBm])	-64.43	-63.47	-64.01



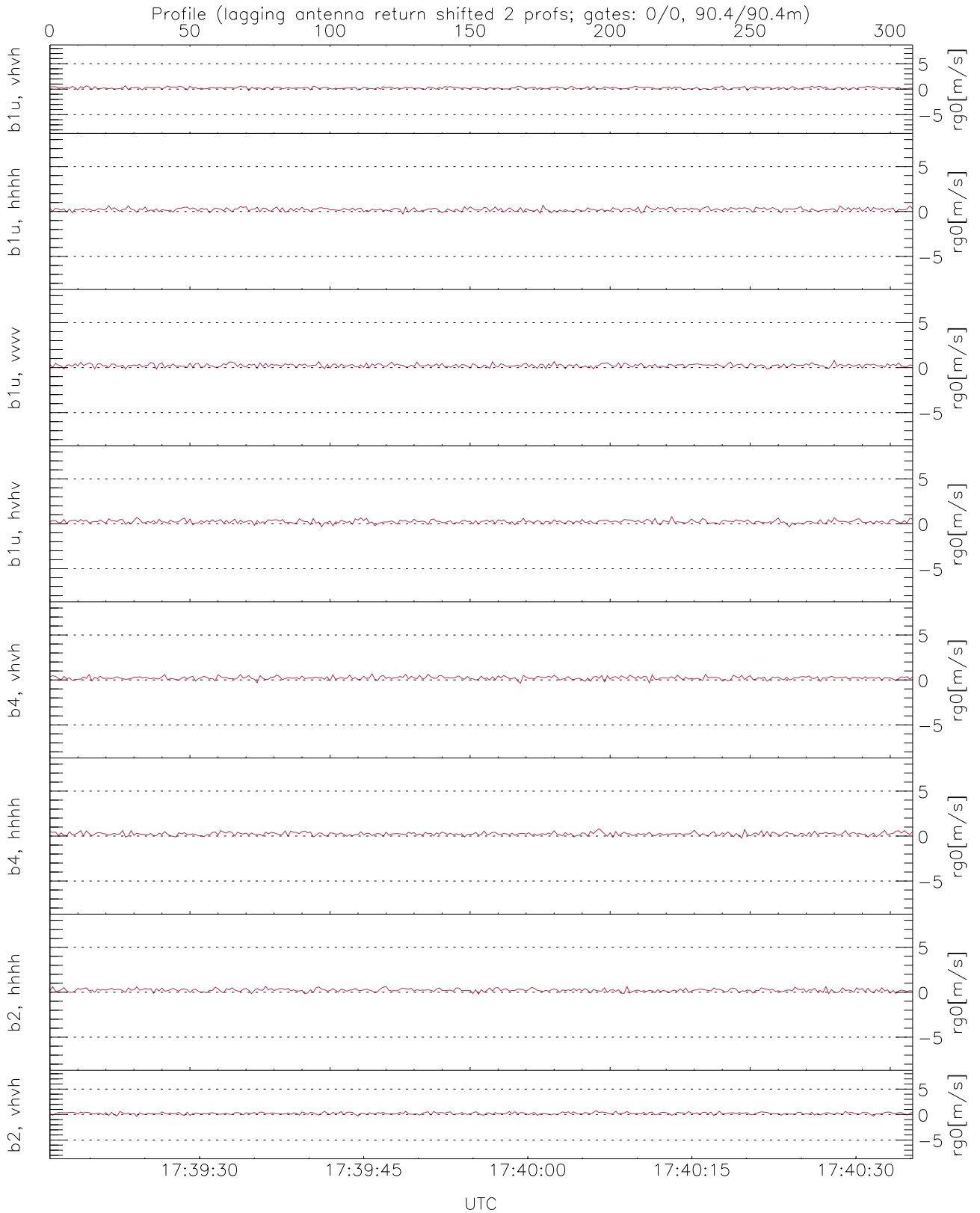
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (90 m)

	Min	Max	Mean
up/down (dB)	-0.54	0.68	0.10
down/down-fore (dB)	-0.82	0.75	-0.10



WCR3 FF4 Doppler Velocity Products at 90.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-7.84	7.79	-0.08	2.98
b1u, hhhh(rg0[m/s])	-7.83	7.88	0.06	3.48
b1u, vvvv(rg0[m/s])	-7.87	7.76	0.04	2.38
b1u, hvhv(rg0[m/s])	-7.83	7.79	-0.11	3.58
b4, vvhv(rg0[m/s])	-7.81	7.82	-0.05	3.36
b4, hhhh(rg0[m/s])	-7.87	7.72	0.20	3.55
b2, hhhh(rg0[m/s])	-7.80	7.86	-0.12	3.42
b2, vvhv(rg0[m/s])	-7.81	7.59	-0.34	3.37



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

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.29	0.68	0.23	0.18
b1u, hhhh(rg0[m/s])	-0.27	0.70	0.23	0.17
b1u, vvvv(rg0[m/s])	-0.16	0.81	0.25	0.17
b1u, hvhv(rg0[m/s])	-0.35	0.78	0.24	0.18
b4, vvhv(rg0[m/s])	-0.36	0.67	0.22	0.17
b4, hhhh(rg0[m/s])	-0.22	0.82	0.25	0.17
b2, hhhh(rg0[m/s])	-0.22	0.65	0.23	0.17
b2, vvhv(rg0[m/s])	-0.35	0.76	0.24	0.19