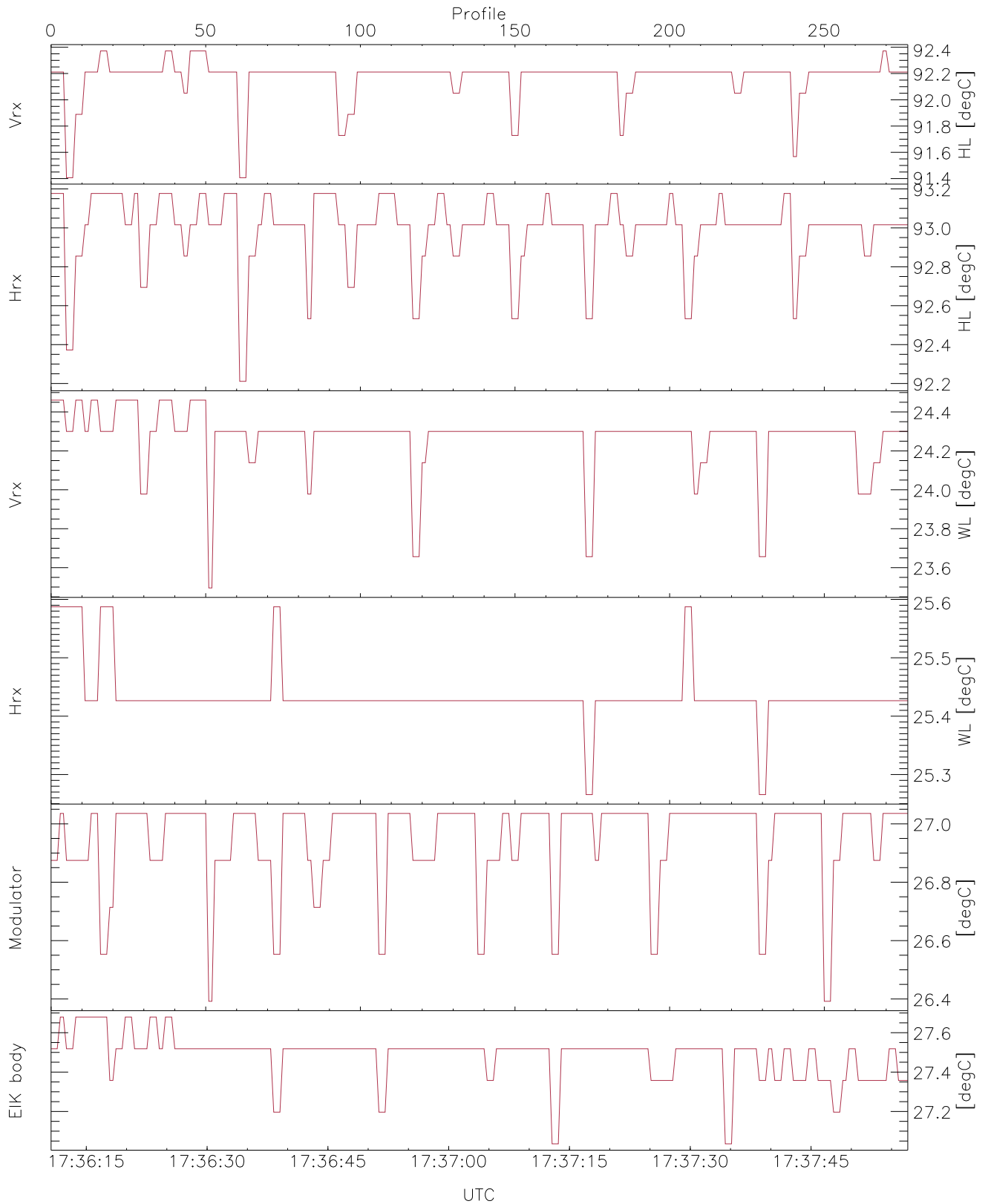


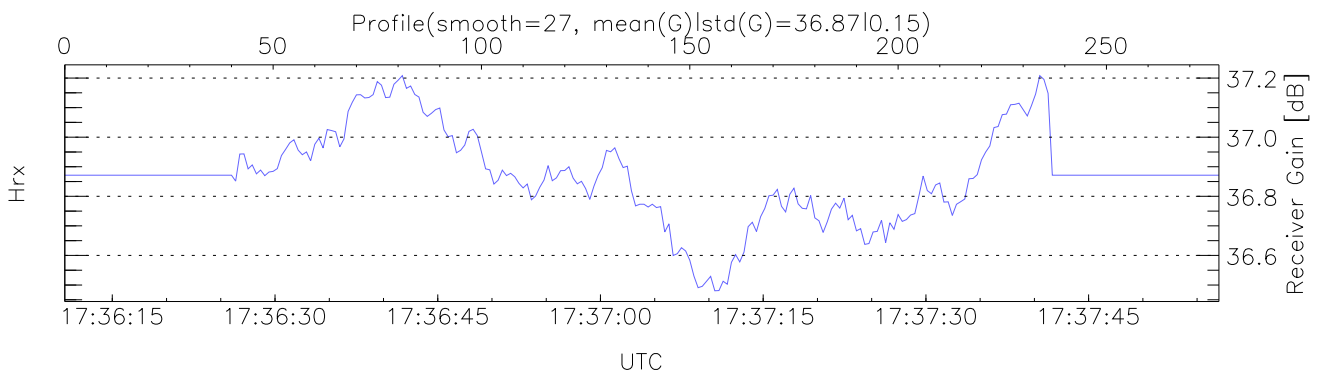
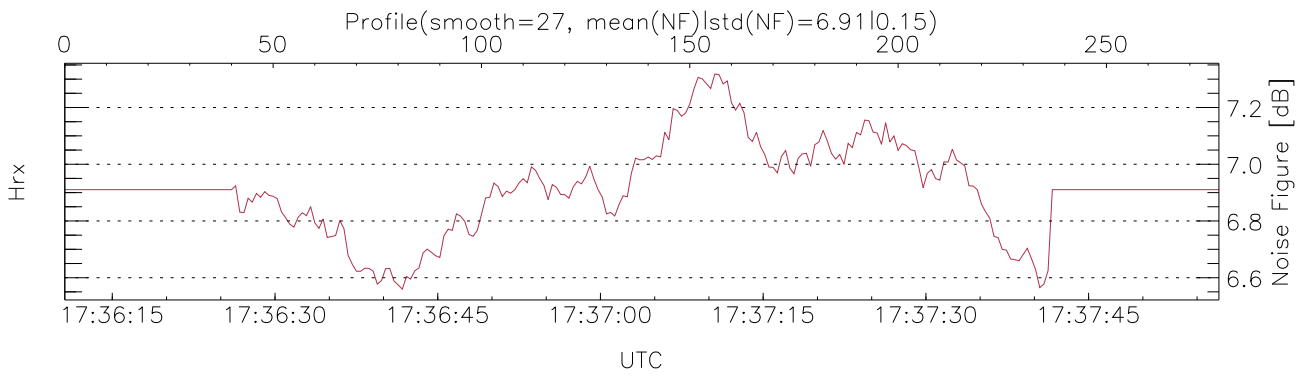
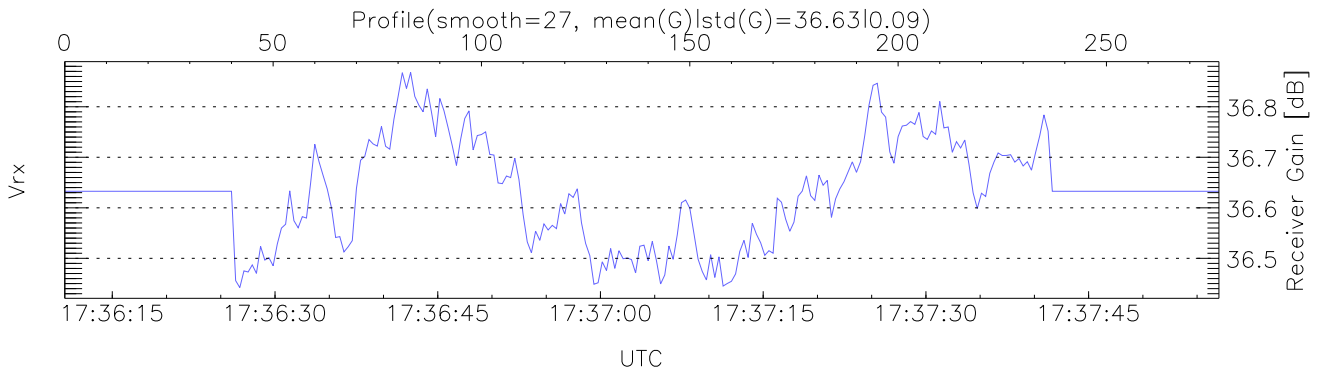
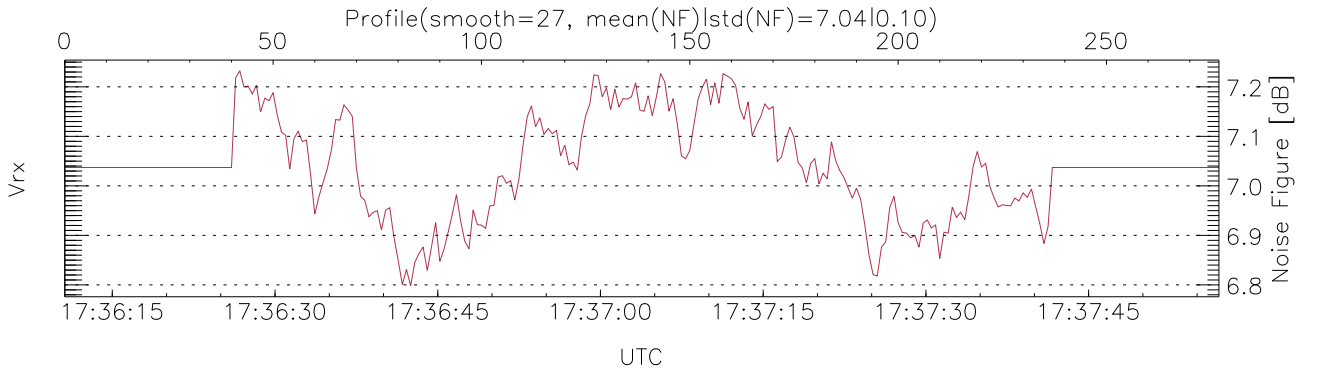
WCR3 FF3 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:36:11-17:37:57, TimeCor: 0.00s, Dur: 106.39s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 384.1,384.1,384.1,0.0 ms / 2.6,2.6,2.6  
 NumRec(r/t): 278/278, 0-277/17:36:11-17:37:57  
 AcqTime: 384.0ms, Rate: 0.480MB/s, Averages (req.,actual): 40,40  
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 V2 H2  
 PRF: 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: 0.9  
 Mirror(-9|0|1|2,3,x = 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 m/s, PulsePairCalc: YES



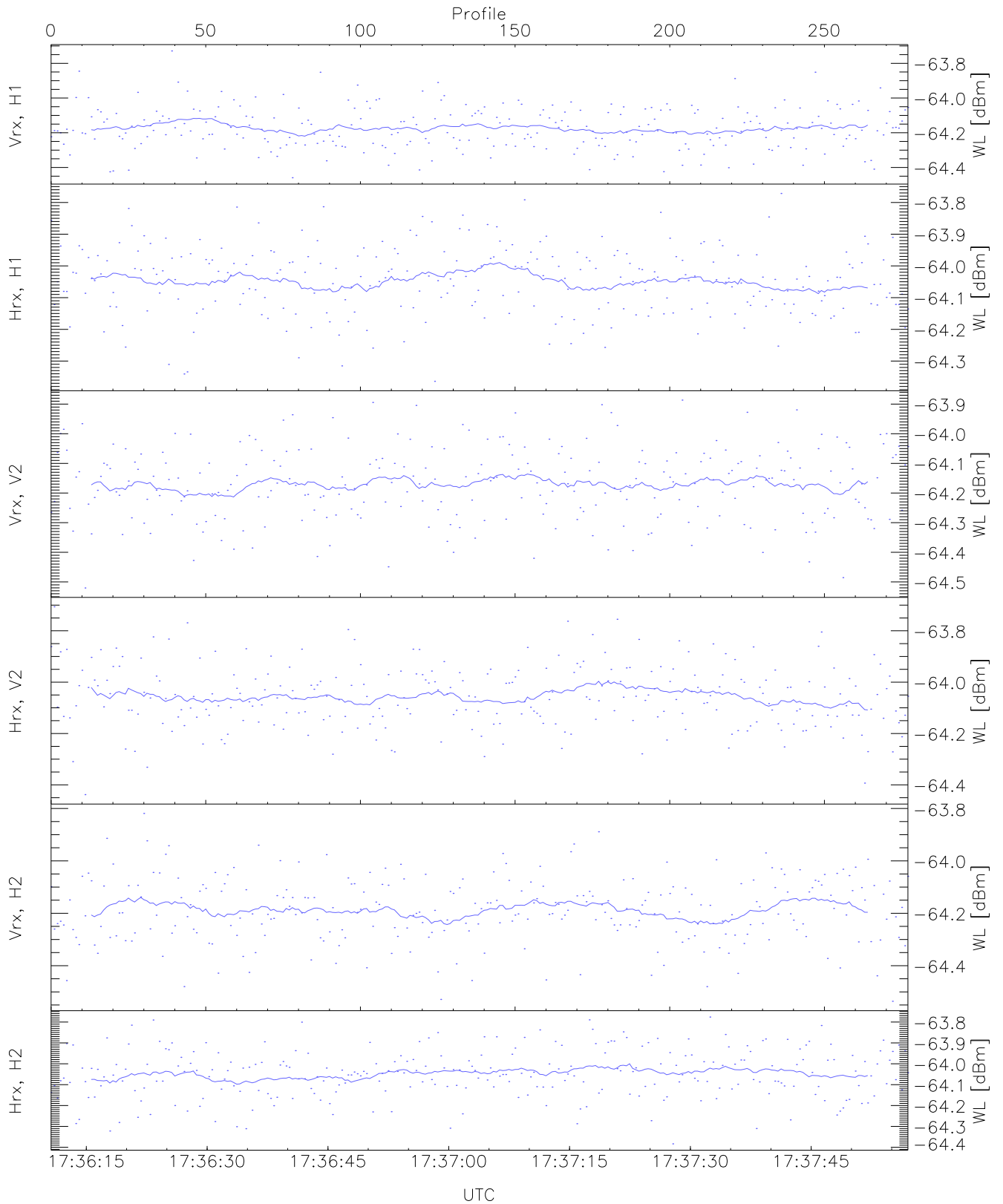
WCR3 FF3 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

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



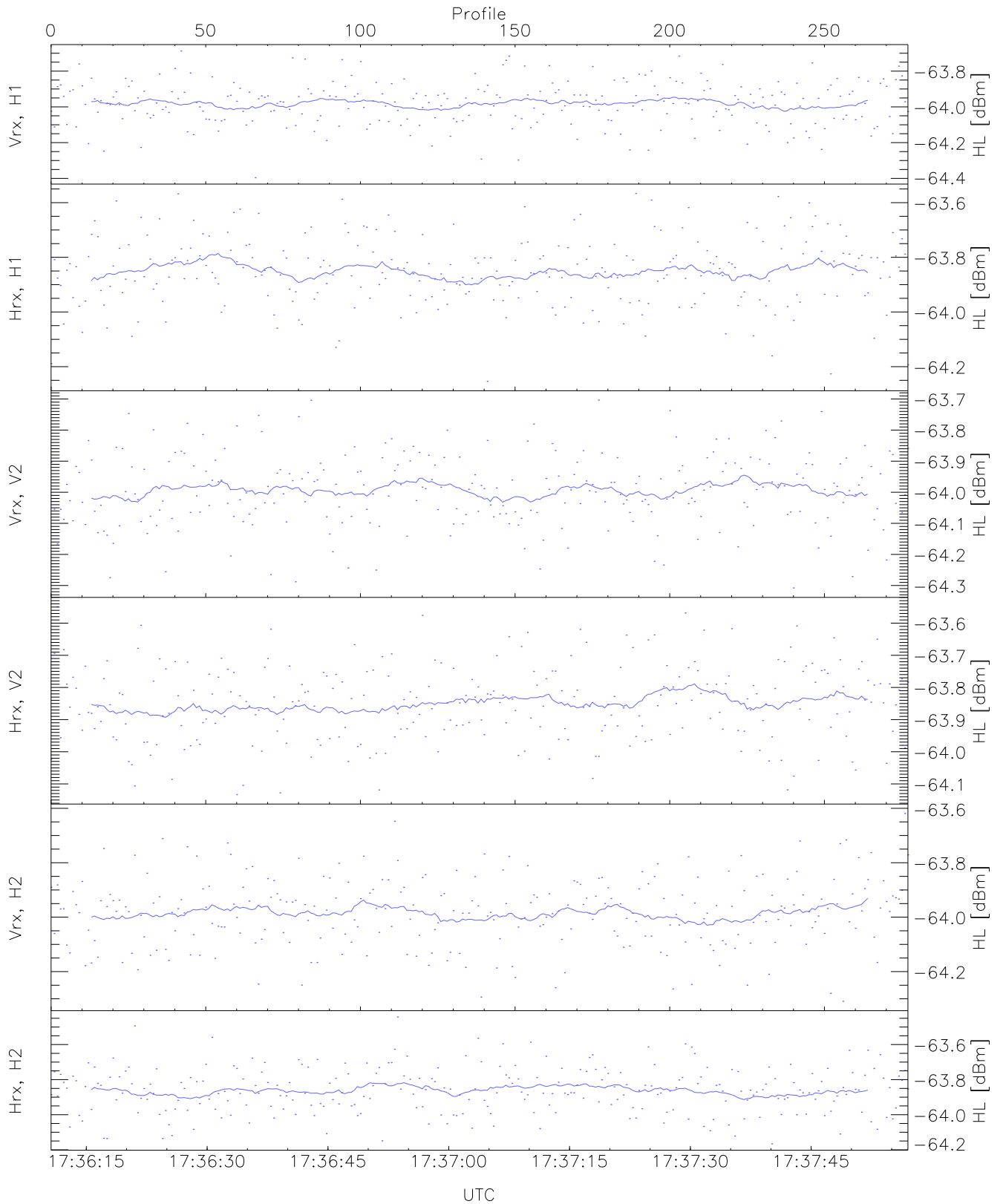
### WCR3 FF3 Receivers Gain and Noise Figure

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



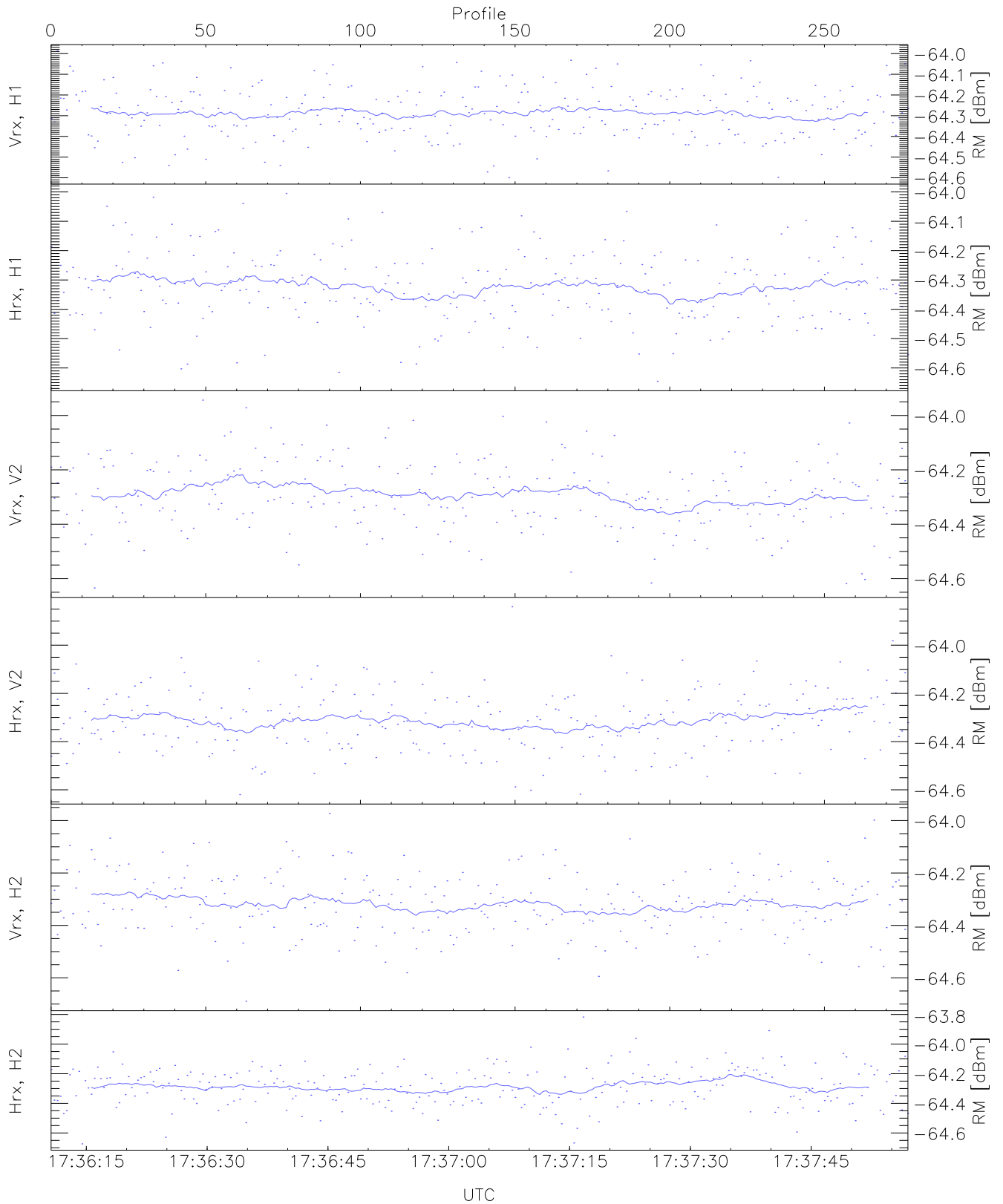
WCR3 FF3 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.46	-63.73	-64.17	-64.18	-79.73
Hrx, H1 (WL [dBm])	-64.36	-63.77	-64.05	-64.04	-80.12
Vrx, V2 (WL [dBm])	-64.52	-63.89	-64.17	-64.16	-79.70
Hrx, V2 (WL [dBm])	-64.44	-63.71	-64.05	-64.06	-79.58
Vrx, H2 (WL [dBm])	-64.54	-63.82	-64.19	-64.20	-79.65
Hrx, H2 (WL [dBm])	-64.38	-63.78	-64.05	-64.05	-79.82



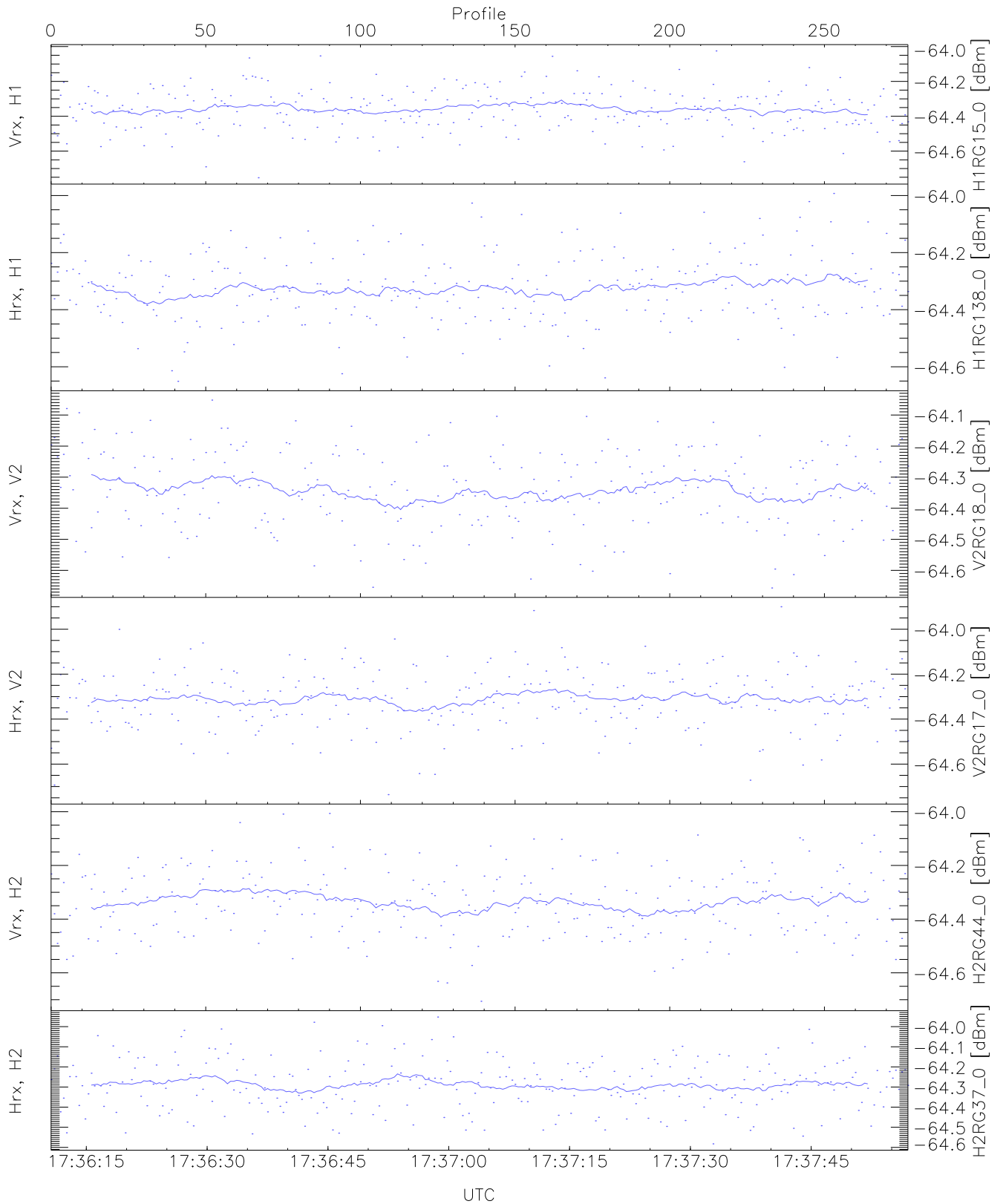
WCR3 FF3 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.40	-63.69	-63.98	-63.98	-79.57
Hrx, H1 (HL [dBm])	-64.25	-63.57	-63.85	-63.86	-79.25
Vrx, V2 (HL [dBm])	-64.31	-63.70	-63.99	-63.99	-79.75
Hrx, V2 (HL [dBm])	-64.13	-63.55	-63.85	-63.85	-79.54
Vrx, H2 (HL [dBm])	-64.31	-63.62	-63.98	-63.98	-79.35
Hrx, H2 (HL [dBm])	-64.17	-63.44	-63.86	-63.86	-79.16



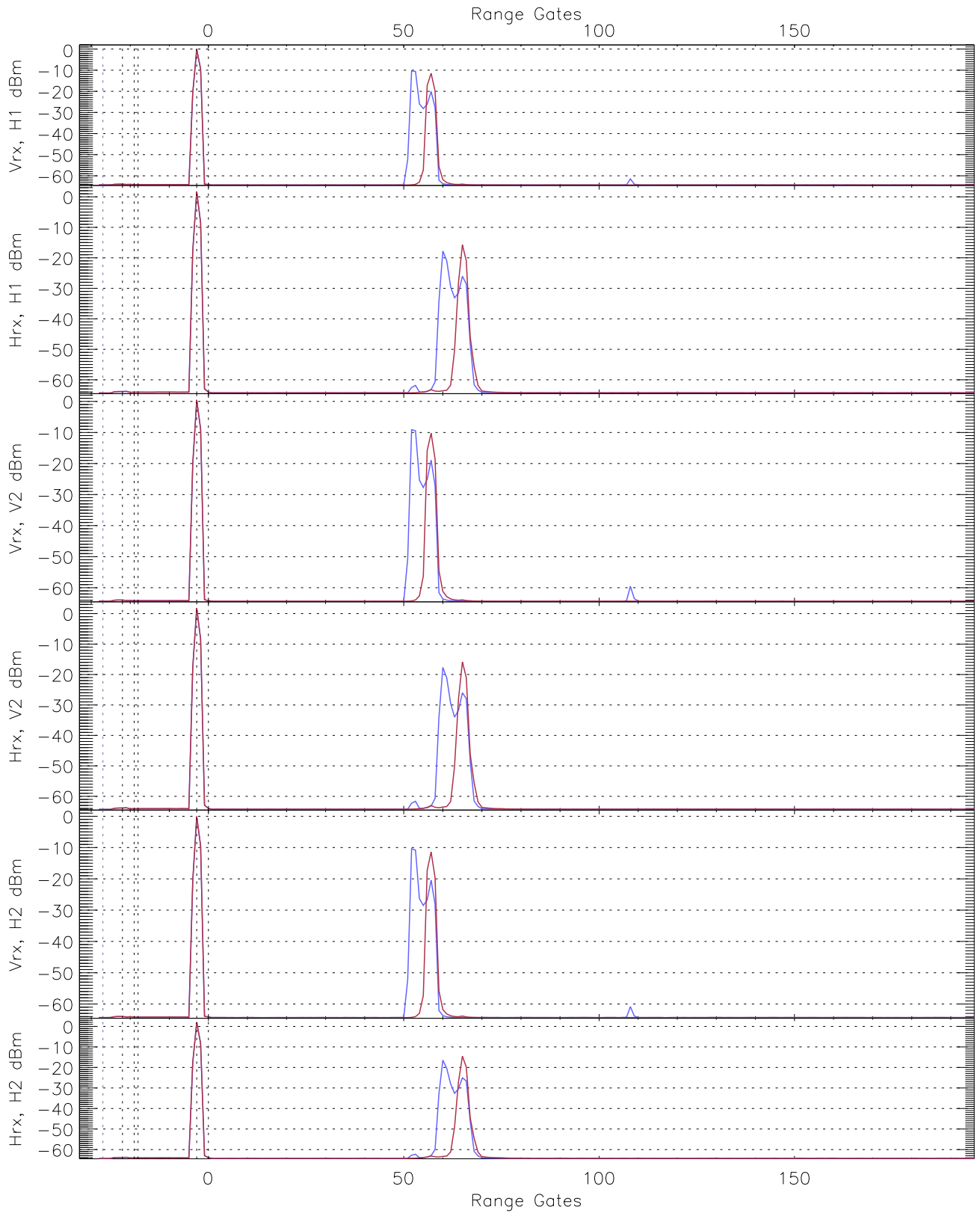
WCR3 FF3 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.60	-63.99	-64.28	-64.28	-79.81
Hrx, H1 (RM [dBm])	-64.65	-64.01	-64.32	-64.33	-79.88
Vrx, V2 (RM [dBm])	-64.63	-63.94	-64.29	-64.30	-79.71
Hrx, V2 (RM [dBm])	-64.62	-63.84	-64.31	-64.31	-79.79
Vrx, H2 (RM [dBm])	-64.69	-63.97	-64.32	-64.32	-80.04
Hrx, H2 (RM [dBm])	-64.67	-63.82	-64.29	-64.29	-79.64



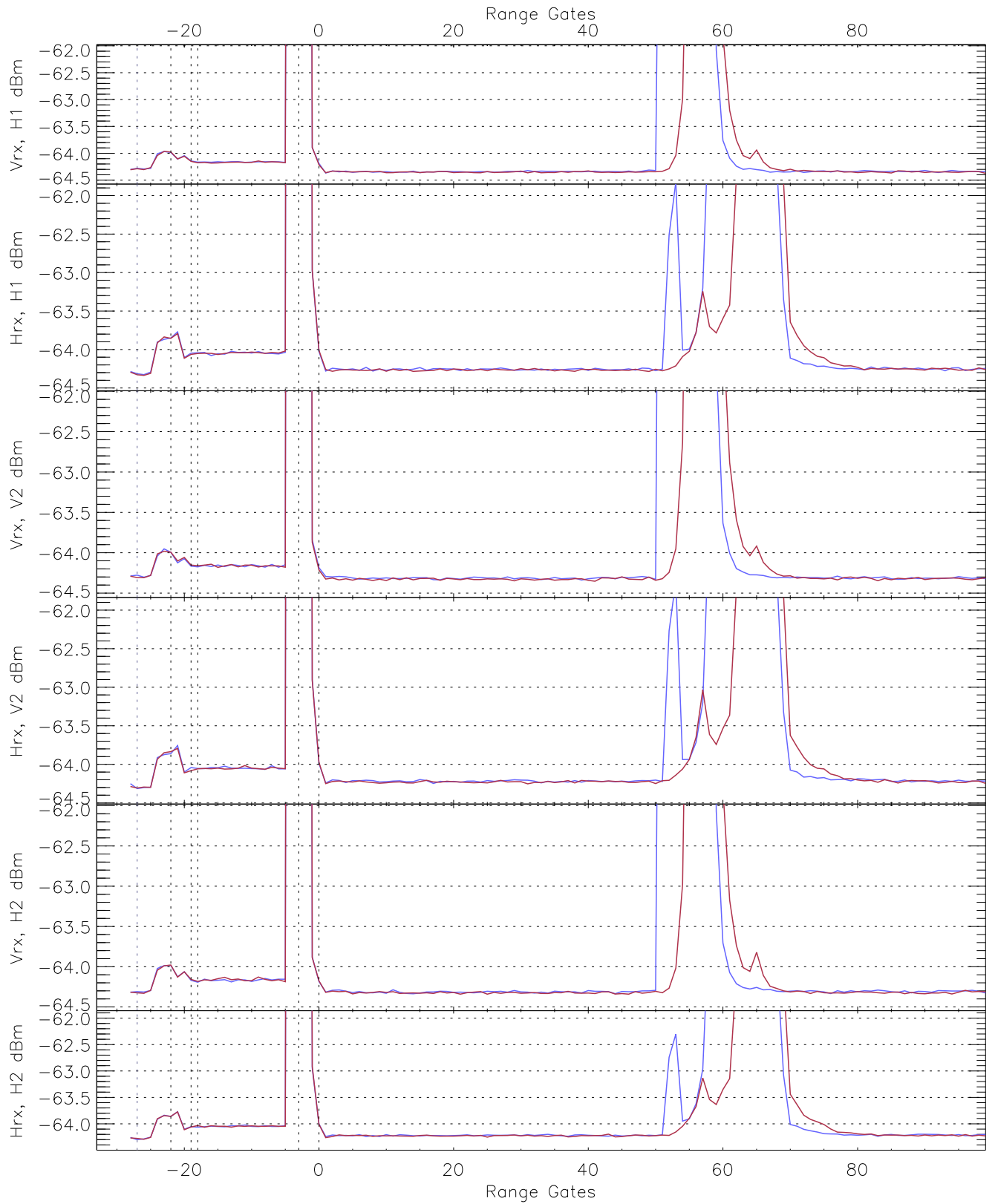
WCR3 FF3 "Best" estimate Receivers Noise Power

	Min	Max	Mean	Median	StDev
H1RG15_0 [dBm]	-64.75	-64.02	-64.36	-64.36	-80.02
H1RG138_0 [dBm]	-64.65	-63.99	-64.32	-64.33	-79.93
V2RG18_0 [dBm]	-64.66	-64.05	-64.34	-64.34	-79.88
V2RG17_0 [dBm]	-64.74	-63.90	-64.31	-64.31	-79.53
H2RG44_0 [dBm]	-64.71	-64.01	-64.34	-64.34	-79.89
H2RG37_0 [dBm]	-64.58	-63.95	-64.29	-64.29	-79.74

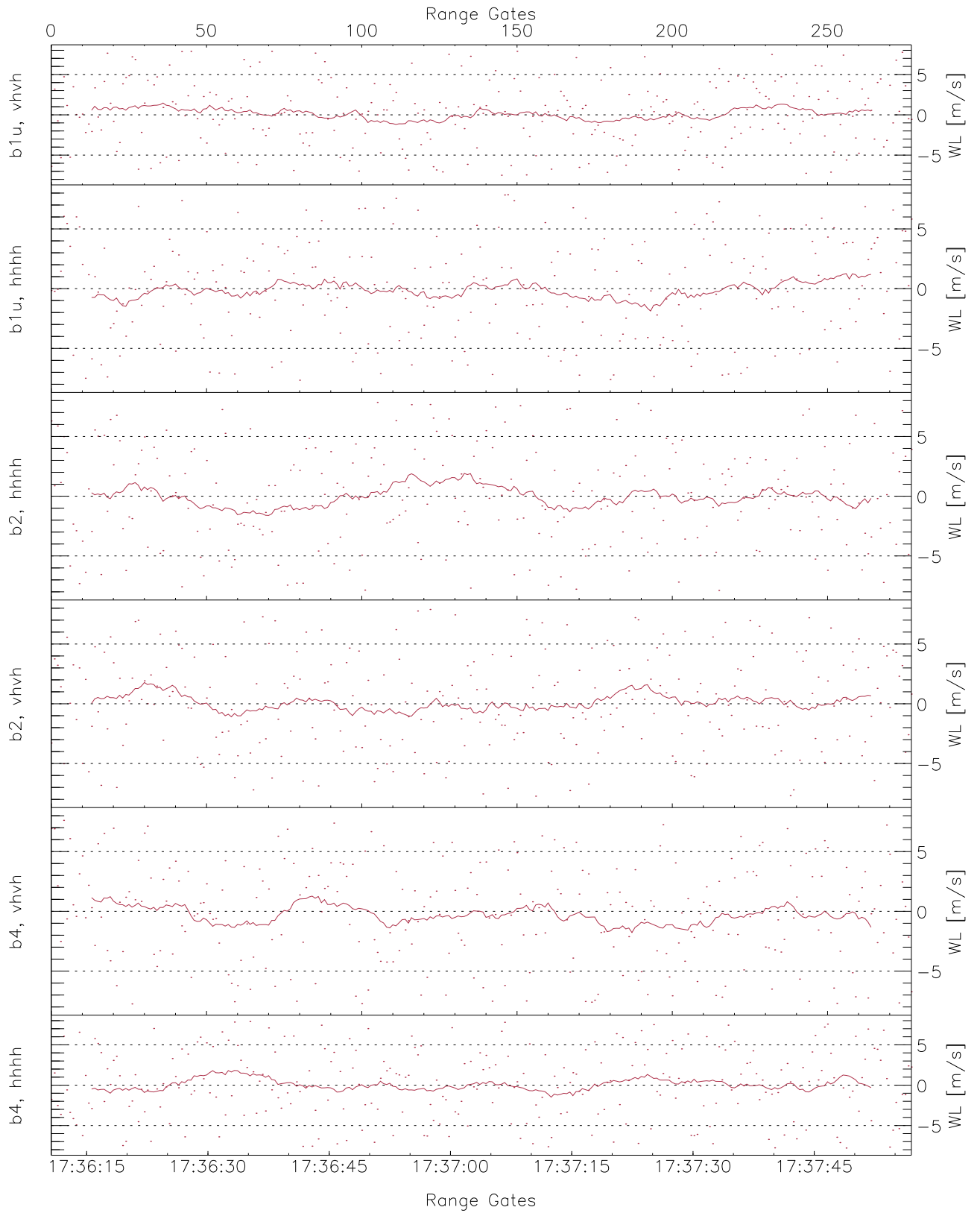


WCR3 FF3 Averaged Received power for all recorded gates  
blue: 173611-173704, 140 profiles averaged  
red: 173704-173757, 139 profiles averaged

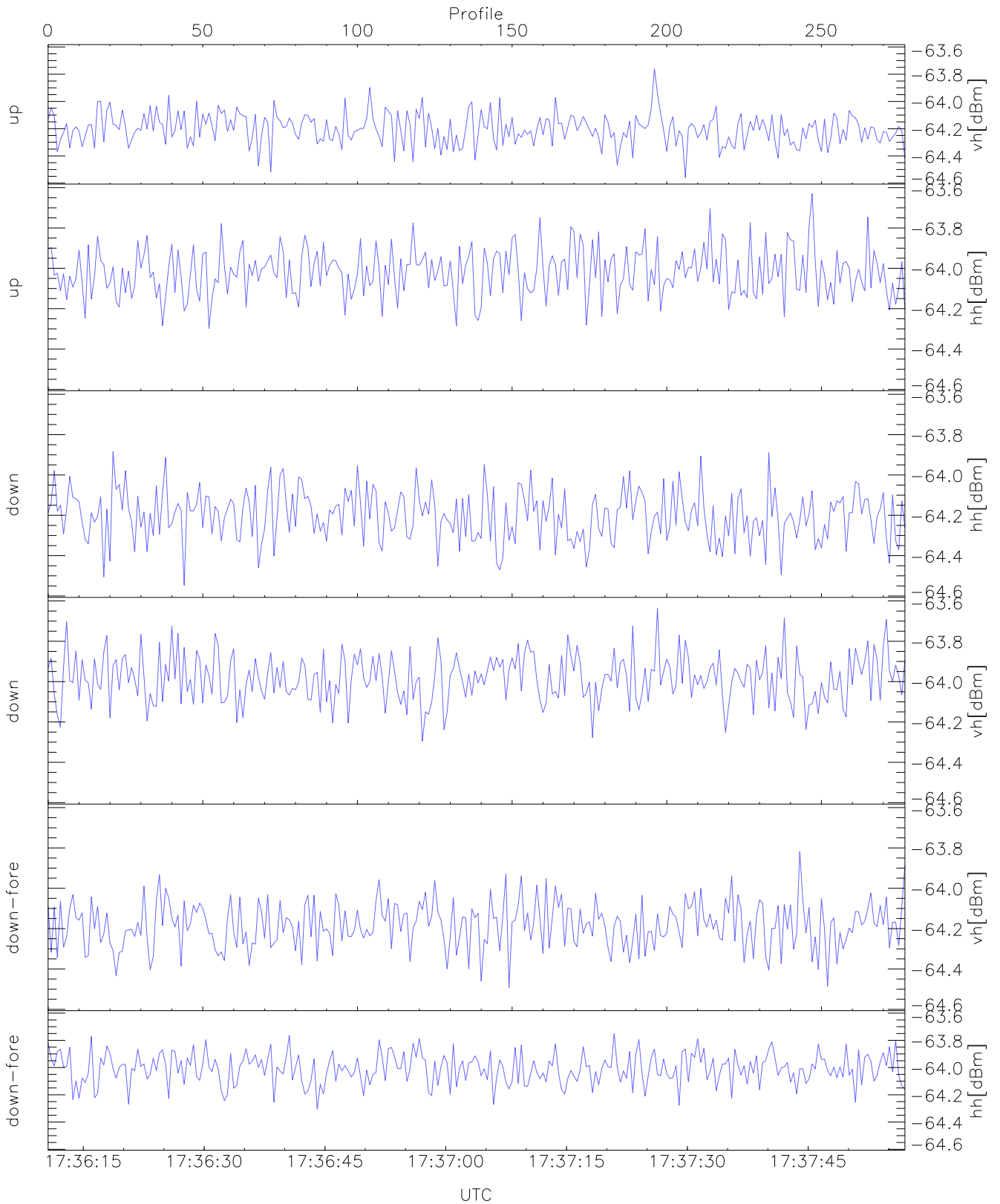




WCR3 FF3 Averaged Received power for the negative gates and up to 100 gate  
blue: 173611-173704, 140 profiles averaged  
red: 173704-173757, 139 profiles averaged

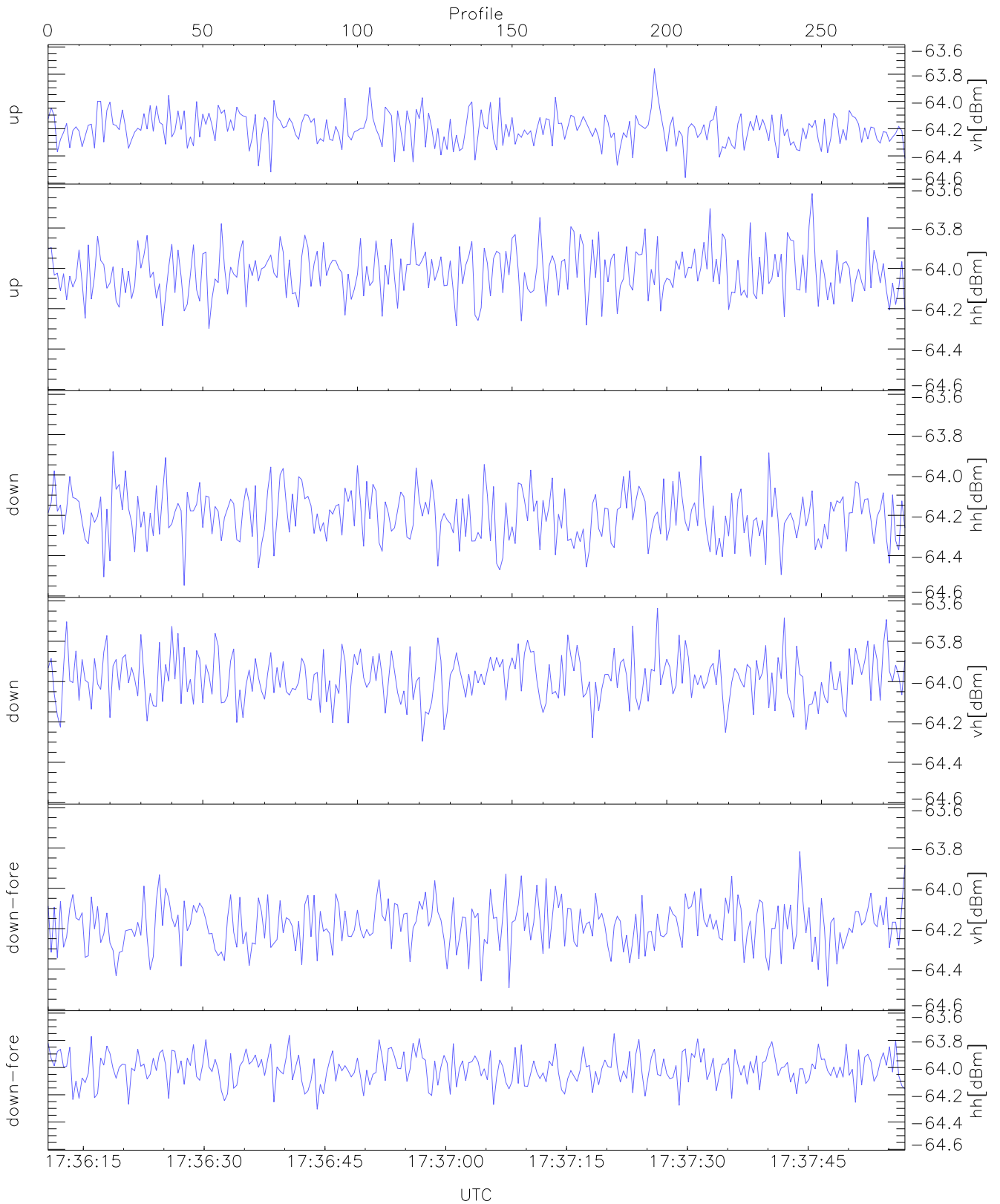


WCR3 FF3 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



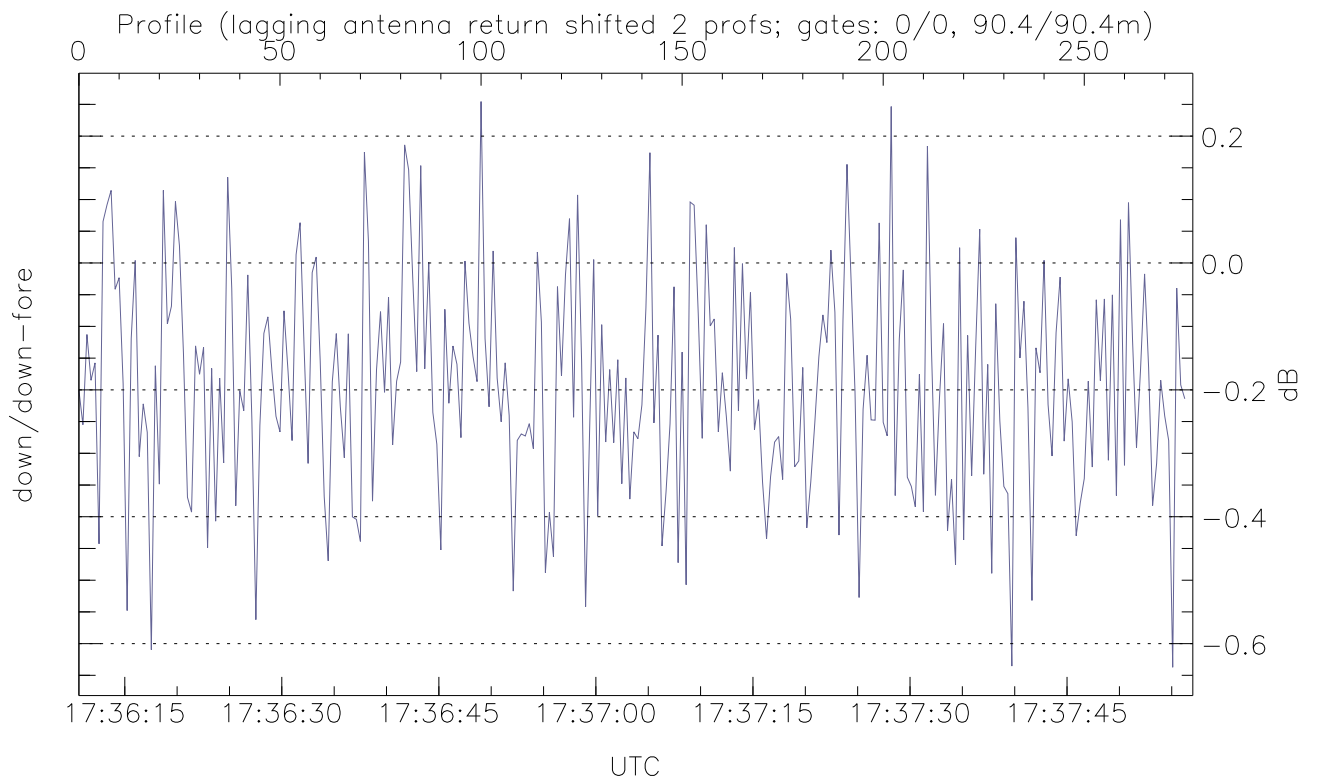
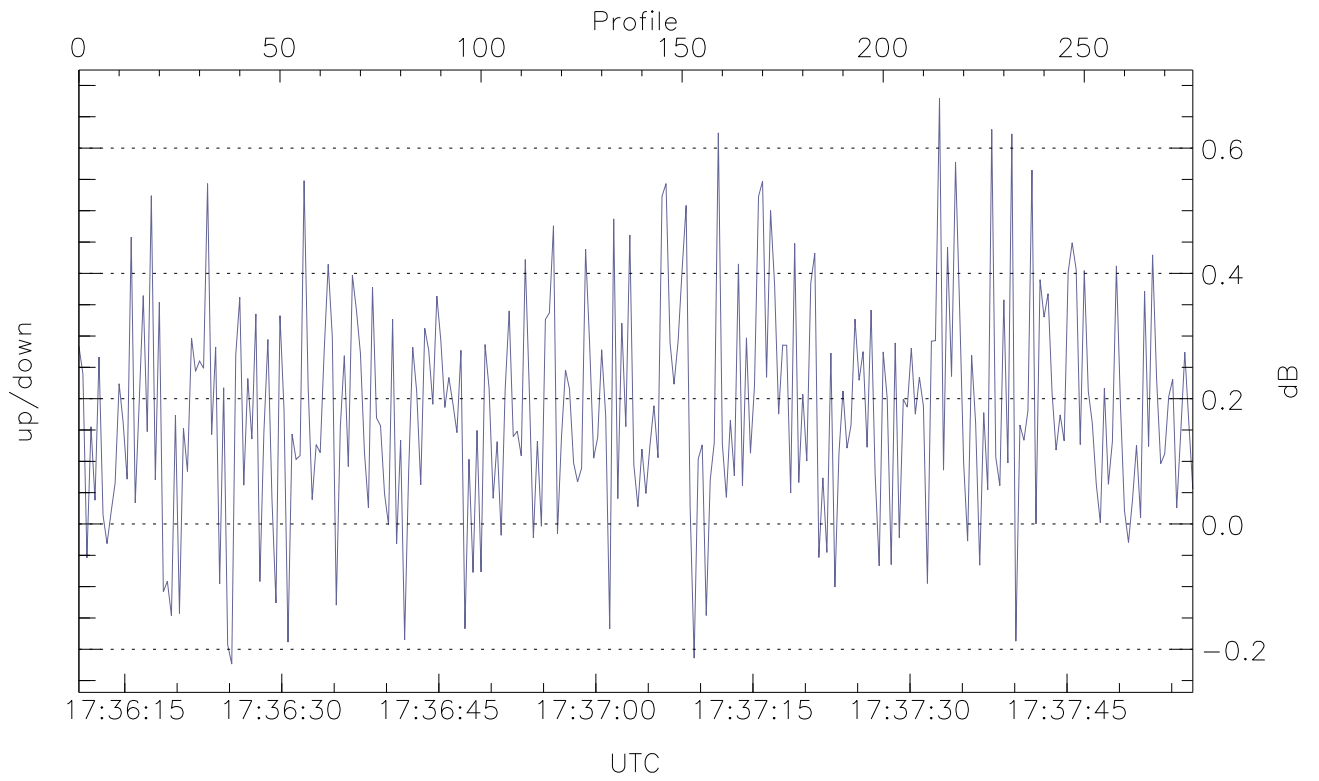
WCR3 FF3 Received Power Products for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.56	-63.76	-64.20
up(hh[dBm])	-64.30	-63.63	-64.02
down(hh[dBm])	-64.55	-63.88	-64.20
down(vh[dBm])	-64.30	-63.64	-63.98
down-fore(vh[dBm])	-64.49	-63.82	-64.18
down-fore(hh[dBm])	-64.31	-63.75	-64.01



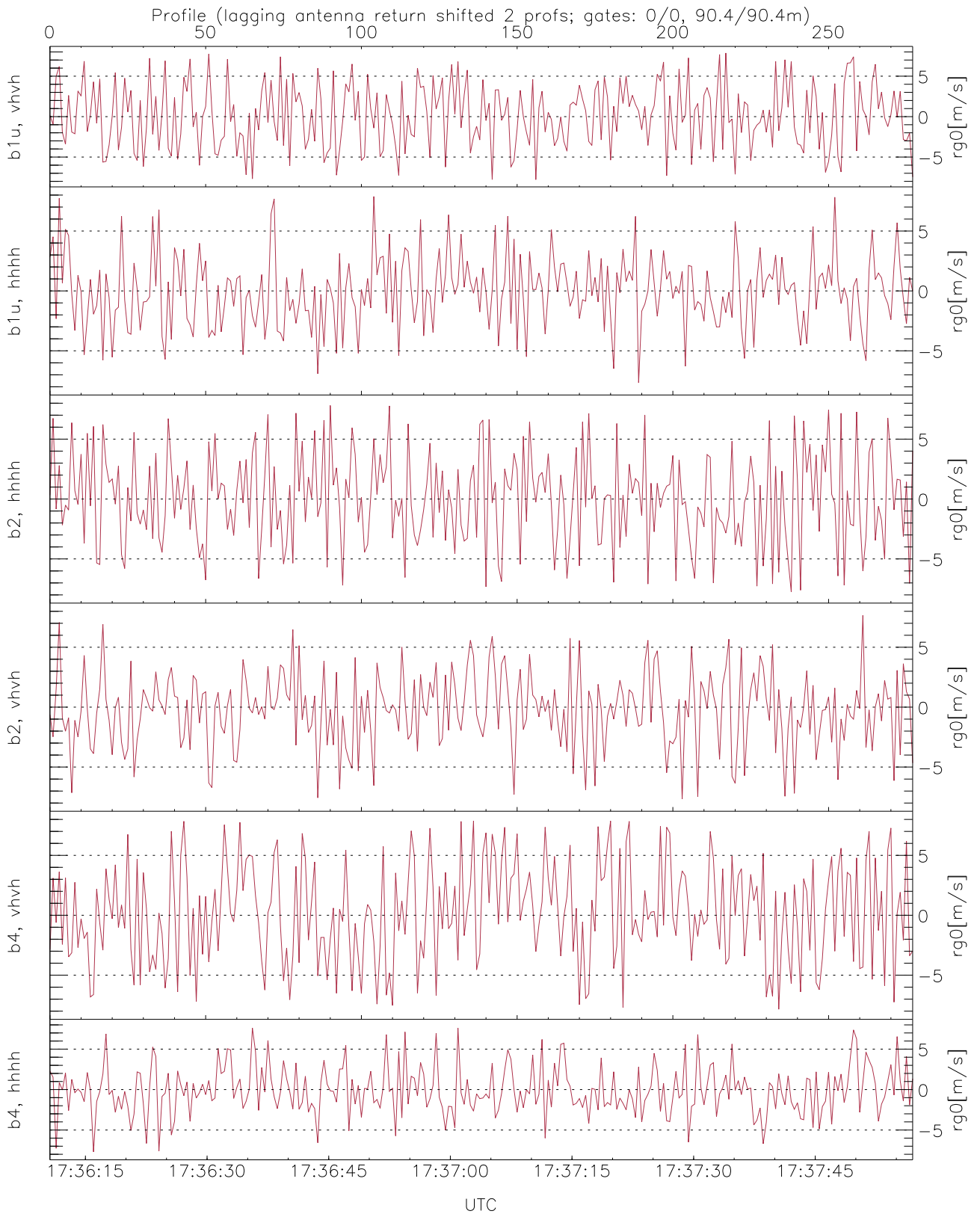
WCR3 FF3 Power Products(psdmom0) for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.56	-63.76	-64.20
up(hh[dBm])	-64.30	-63.63	-64.02
down(hh[dBm])	-64.55	-63.88	-64.20
down(vh[dBm])	-64.30	-63.64	-63.98
down-fore(vh[dBm])	-64.49	-63.82	-64.18
down-fore(hh[dBm])	-64.31	-63.75	-64.01



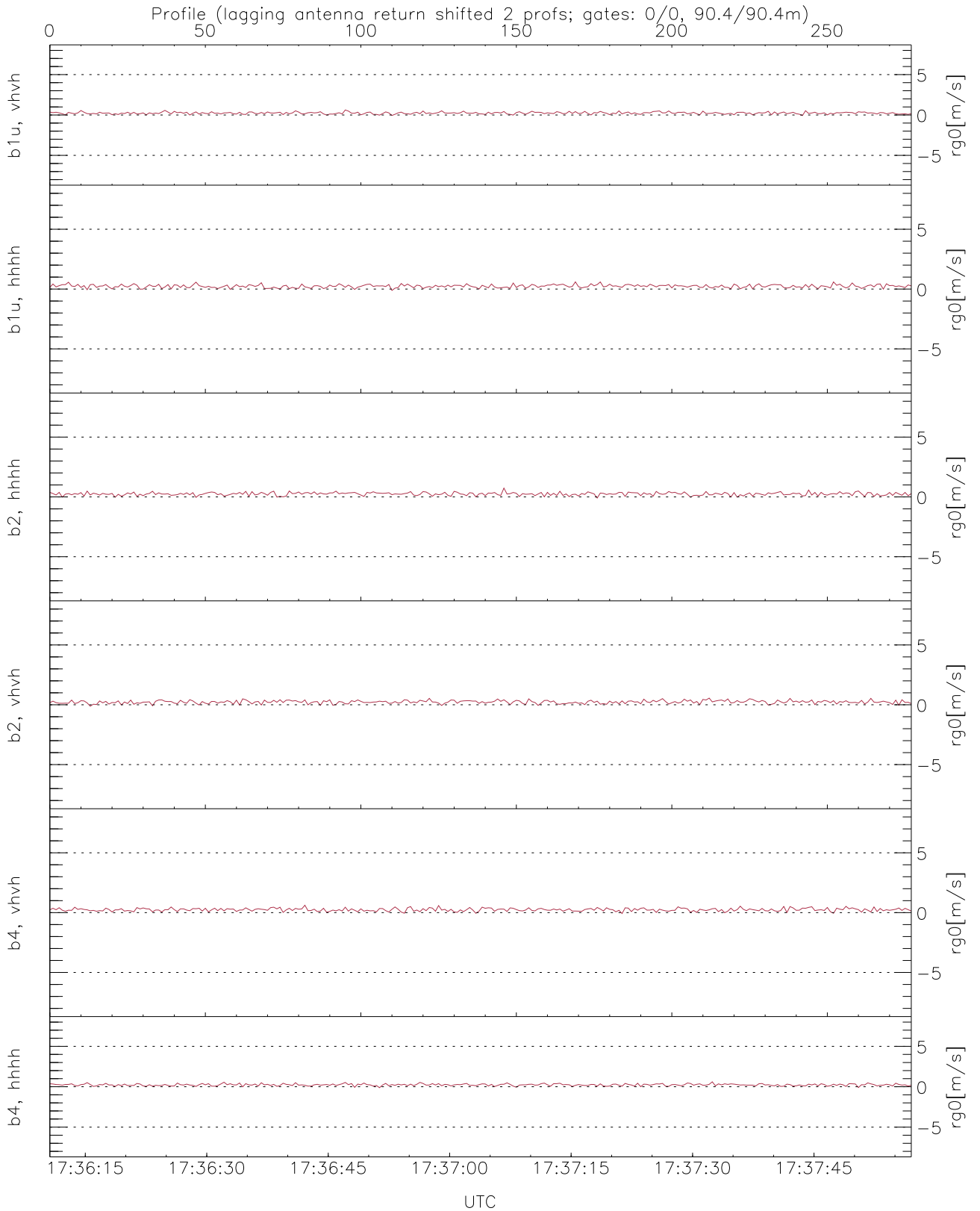
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (90 m)

	Min	Max	Mean
up/down (dB)	-0.22	0.68	0.18
down/down-fore (dB)	-0.64	0.25	-0.19



WCR3 FF3 Doppler Velocity Products at 90.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-7.79	7.86	0.14	3.93
b1u, hhhh(rg0[m/s])	-7.67	7.88	-0.03	2.97
b2, hhhh(rg0[m/s])	-7.74	7.81	0.02	3.85
b2, vvhv(rg0[m/s])	-7.67	7.67	-0.25	3.10
b4, vvhv(rg0[m/s])	-7.84	7.88	0.23	4.12
b4, hhhh(rg0[m/s])	-7.70	7.62	-0.06	3.00



WCR3 FF3 Doppler Velocity Products (psdmom1) at 90.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.07	0.62	0.24	0.12
b1u, hhhh(rg0[m/s])	-0.11	0.60	0.24	0.13
b2, hhhh(rg0[m/s])	-0.09	0.74	0.25	0.13
b2, vvhv(rg0[m/s])	-0.12	0.56	0.24	0.13
b4, vvhv(rg0[m/s])	-0.08	0.62	0.25	0.13
b4, hhhh(rg0[m/s])	-0.12	0.61	0.24	0.12