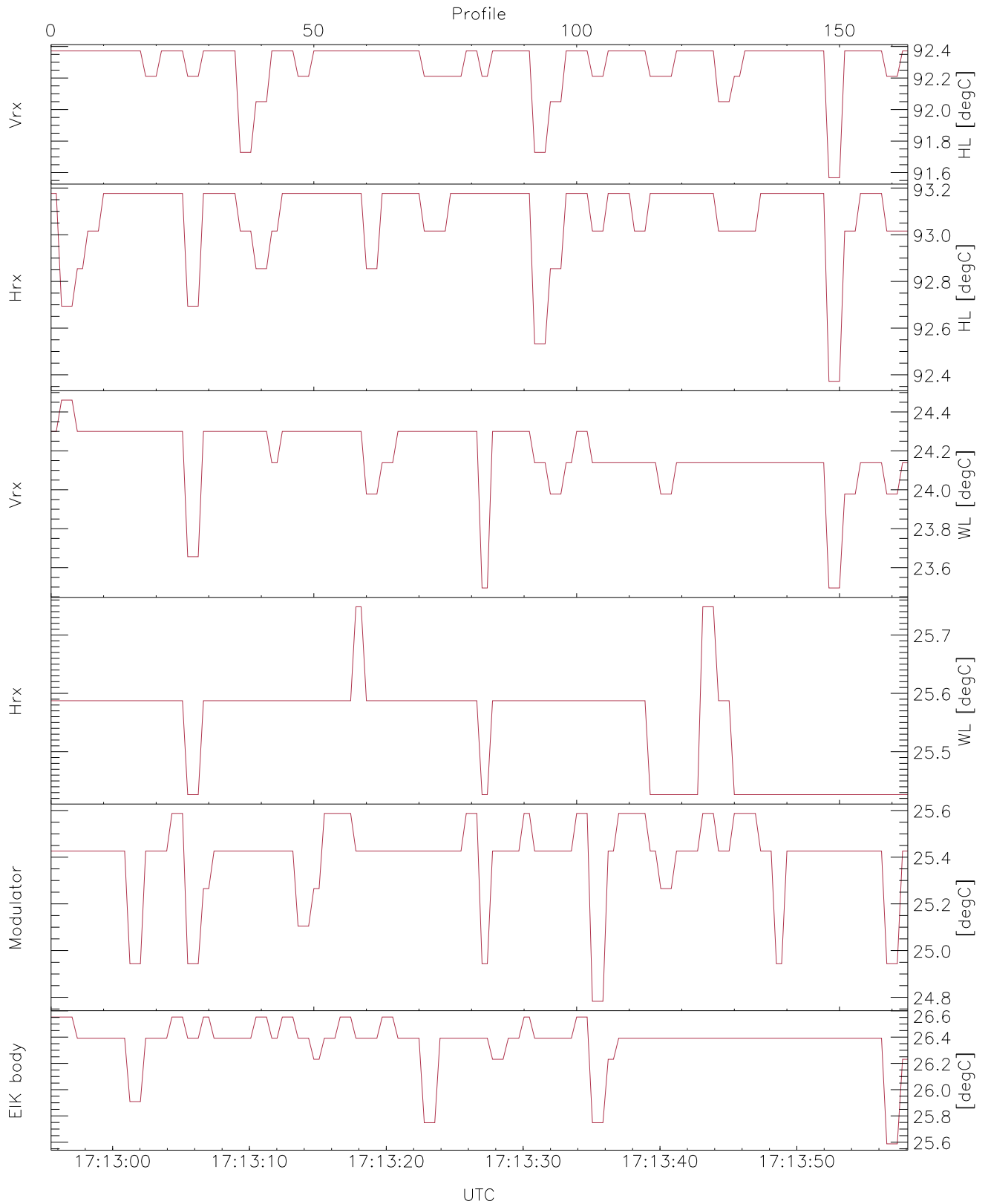


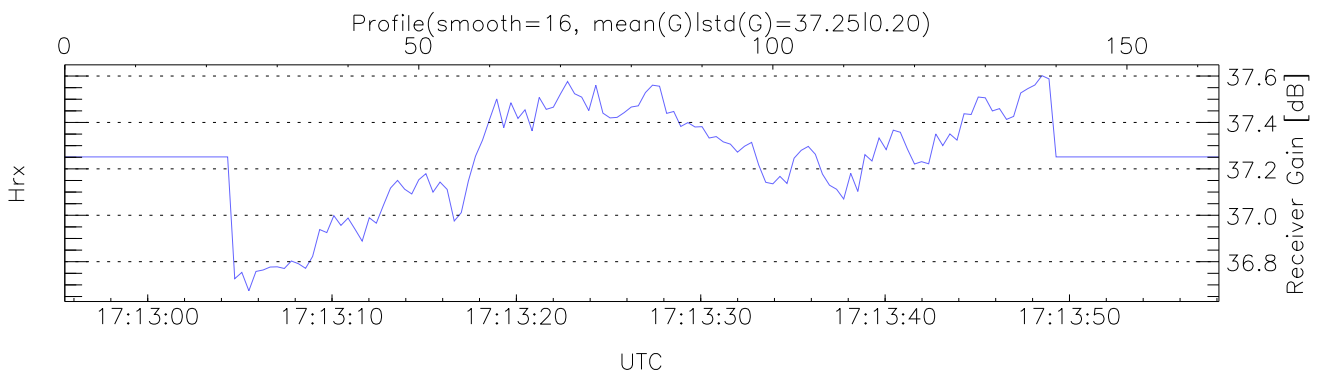
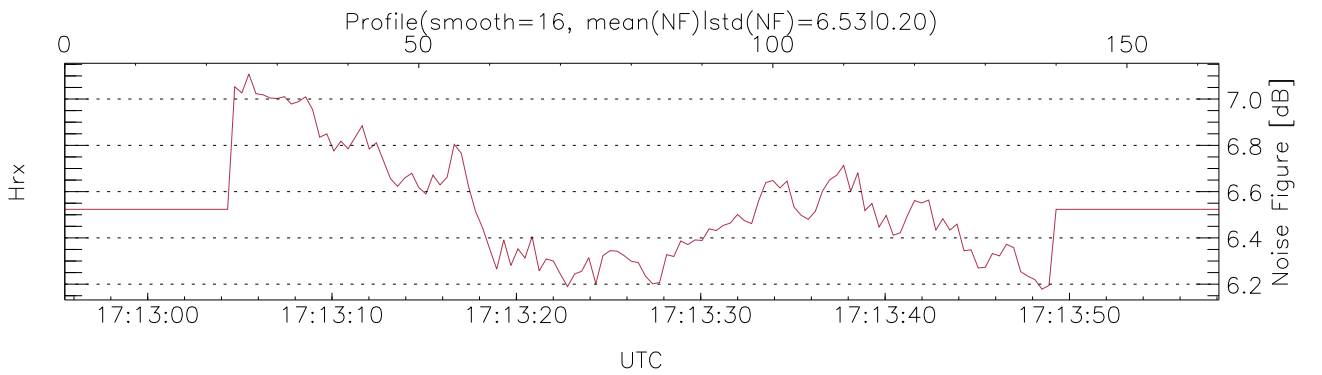
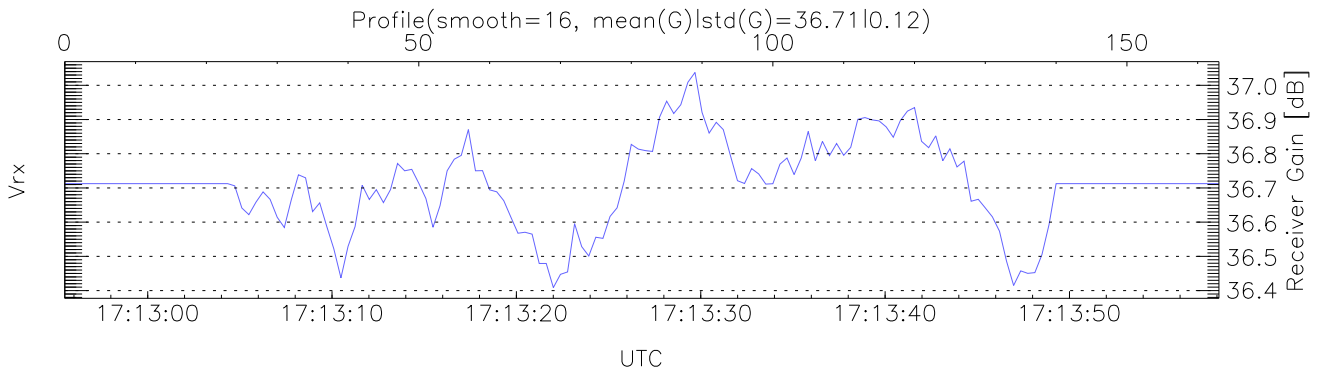
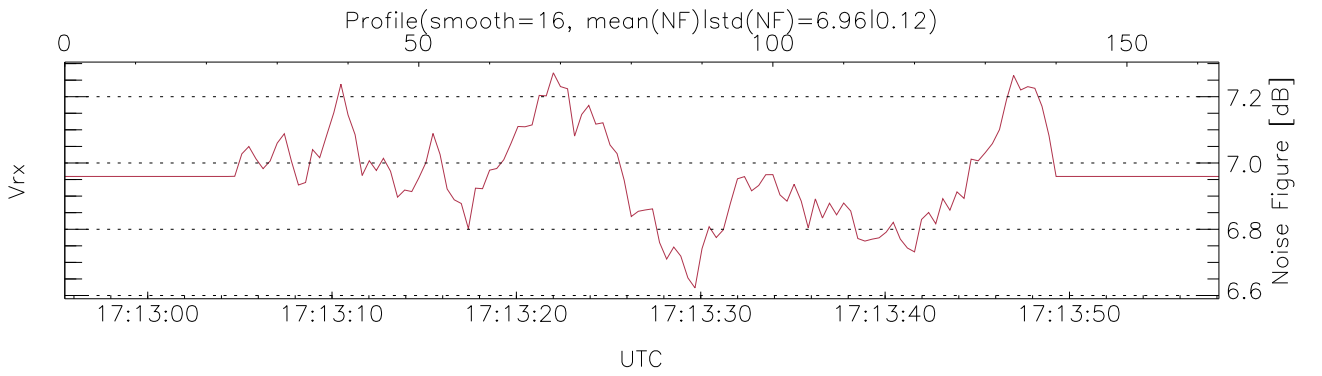
WCR3 FF3 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:12:56-17:13:58, TimeCor: 0.00s, Dur: 62.61s
 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): 164/164, 0-163/17:12:56-17:13:58
 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|2,3,9x = 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 m/s, PulsePairCalc: YES



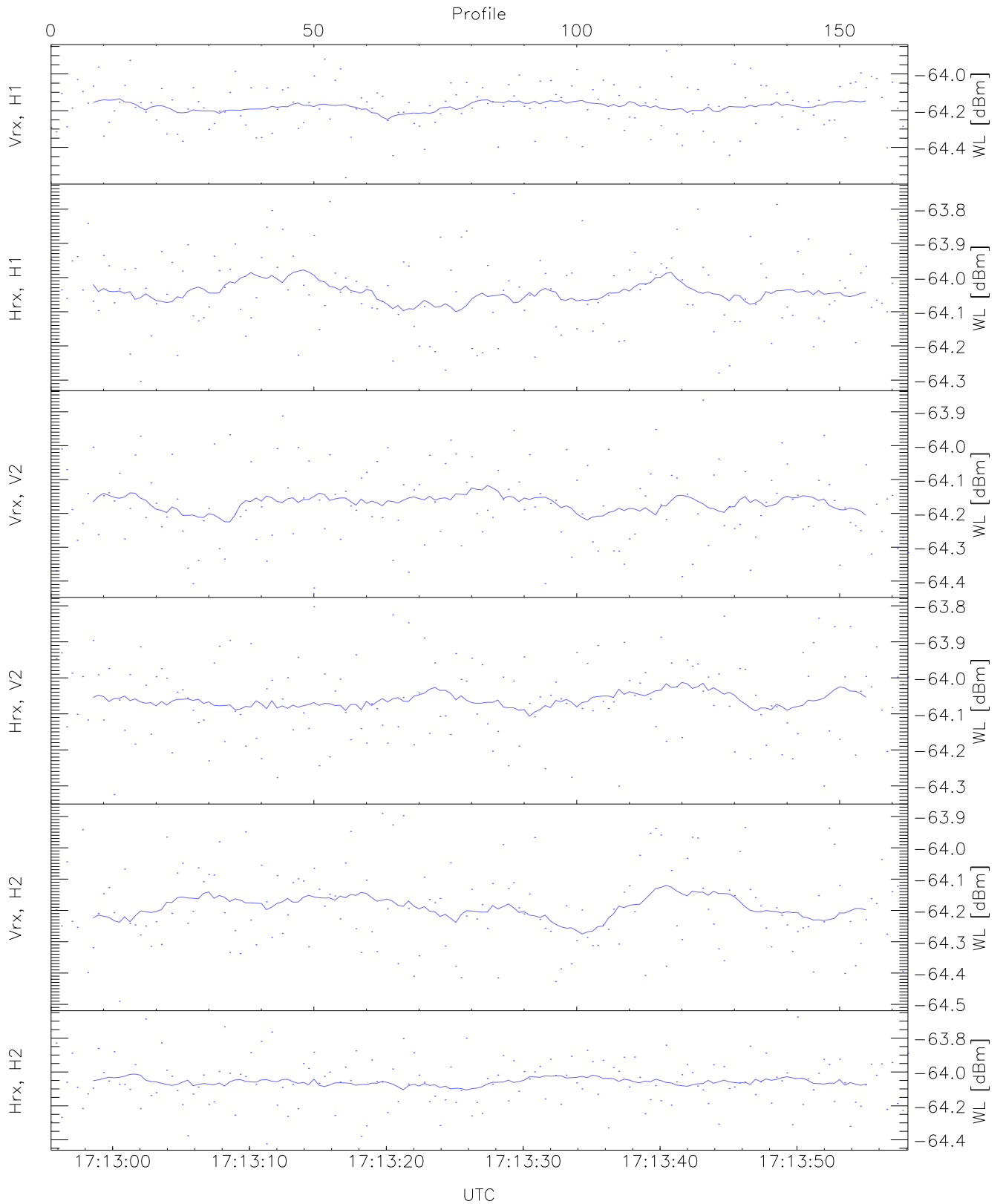
WCR3 FF3 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

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



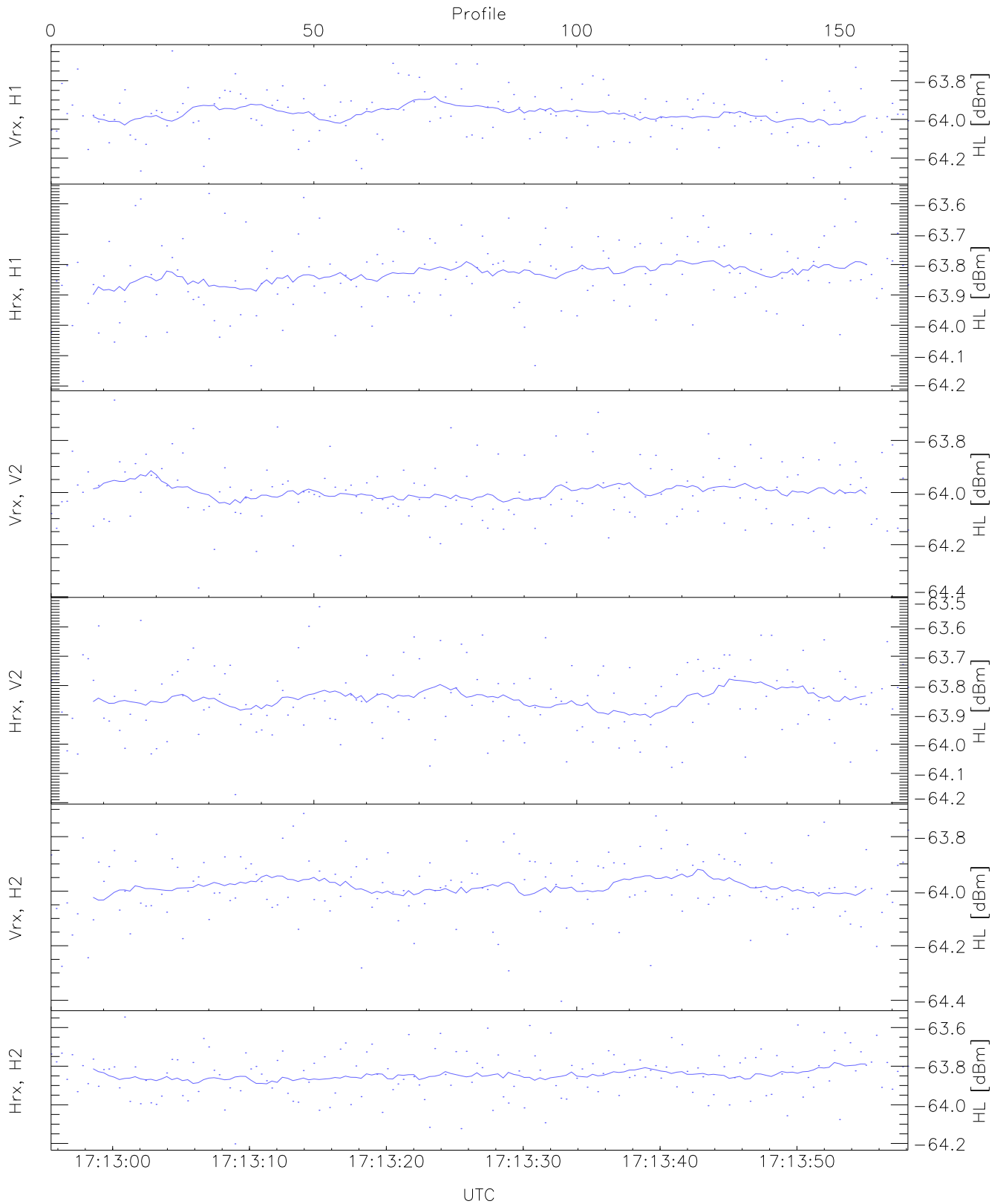
WCR3 FF3 Receivers Gain and Noise Figure

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



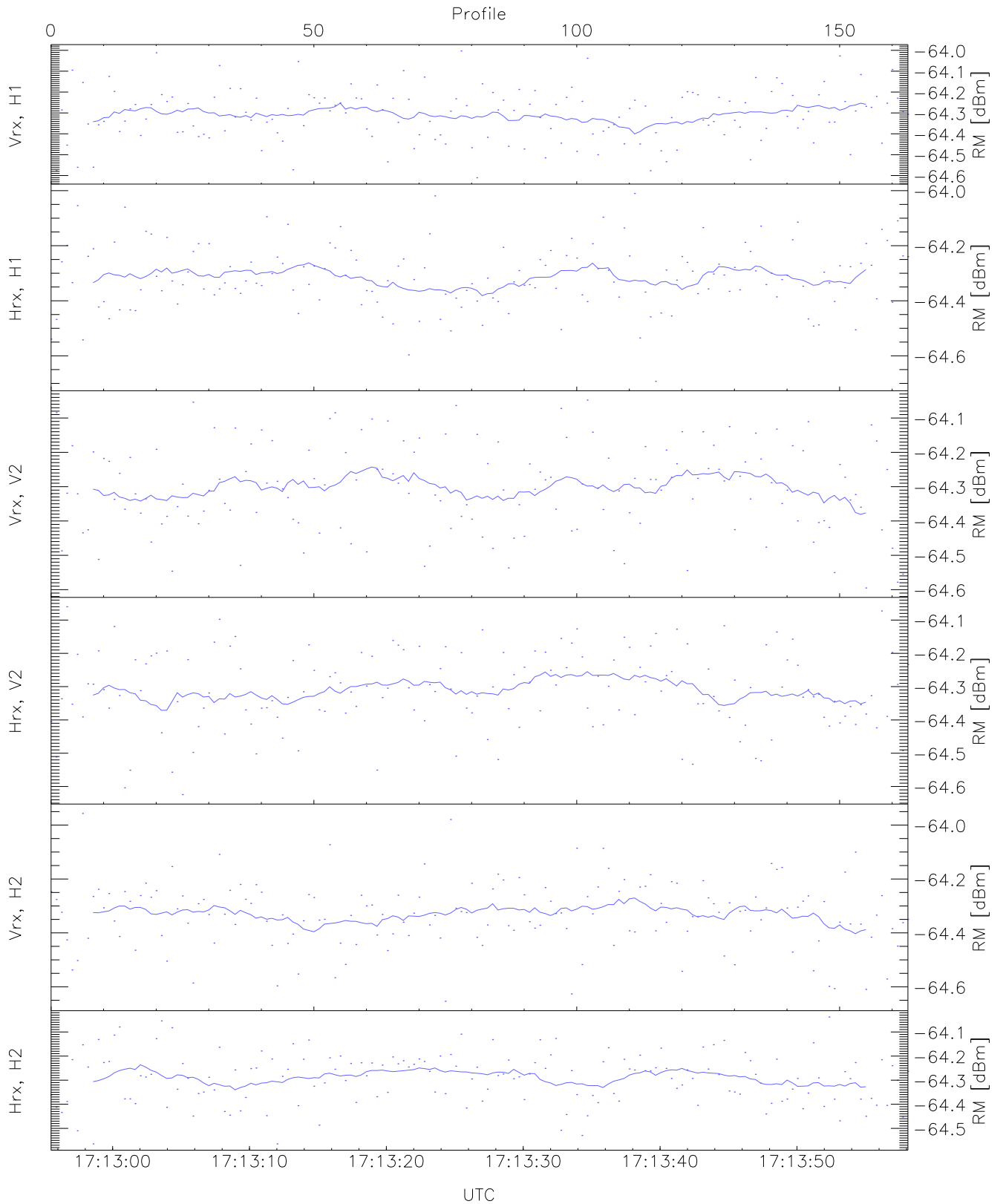
WCR3 FF3 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.57	-63.87	-64.17	-64.16	-79.72
Hrx, H1 (WL [dBm])	-64.30	-63.75	-64.04	-64.04	-79.95
Vrx, V2 (WL [dBm])	-64.42	-63.87	-64.17	-64.18	-80.02
Hrx, V2 (WL [dBm])	-64.32	-63.80	-64.06	-64.06	-80.05
Vrx, H2 (WL [dBm])	-64.49	-63.89	-64.19	-64.20	-79.42
Hrx, H2 (WL [dBm])	-64.42	-63.68	-64.06	-64.06	-78.98



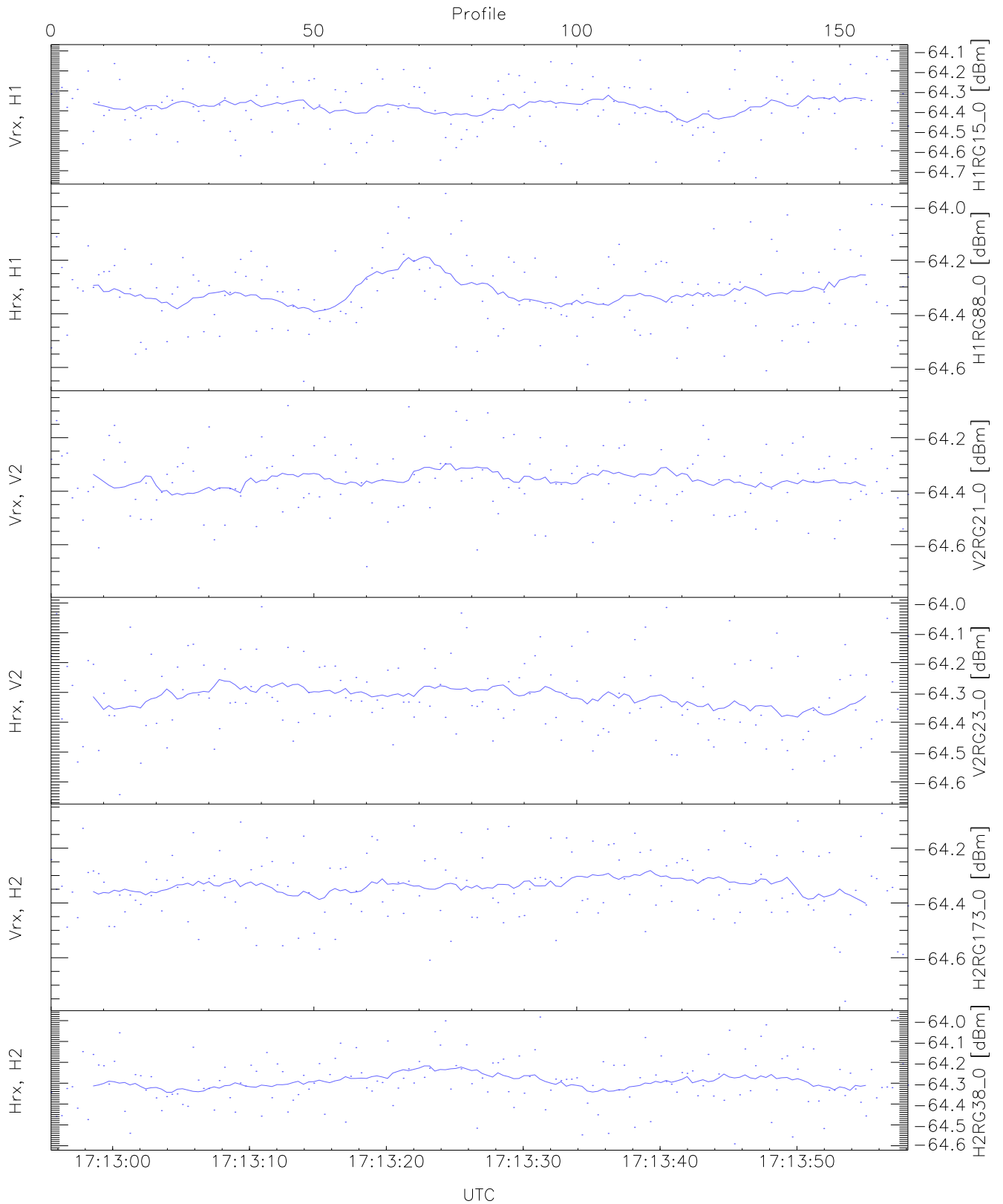
WCR3 FF3 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.30	-63.65	-63.97	-63.97	-79.54
Hrx, H1 (HL [dBm])	-64.18	-63.57	-63.83	-63.83	-79.47
Vrx, V2 (HL [dBm])	-64.37	-63.65	-64.00	-64.00	-79.67
Hrx, V2 (HL [dBm])	-64.17	-63.53	-63.84	-63.84	-79.39
Vrx, H2 (HL [dBm])	-64.40	-63.71	-63.98	-63.99	-79.58
Hrx, H2 (HL [dBm])	-64.20	-63.55	-63.84	-63.83	-79.49



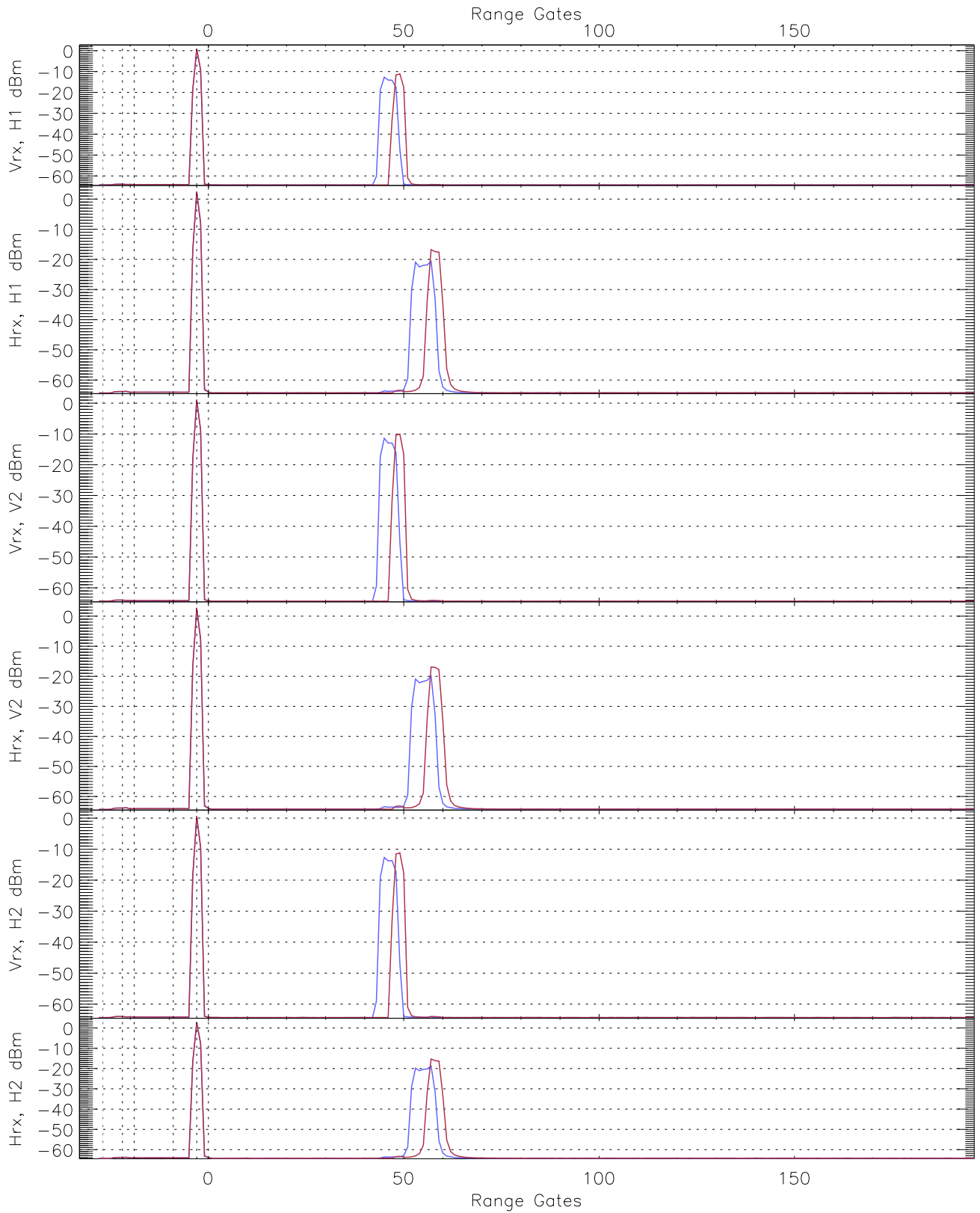
WCR3 FF3 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.61	-64.00	-64.31	-64.29	-79.71
Hrx, H1 (RM [dBm])	-64.69	-64.01	-64.31	-64.32	-80.05
Vrx, V2 (RM [dBm])	-64.60	-64.05	-64.30	-64.31	-79.69
Hrx, V2 (RM [dBm])	-64.62	-64.06	-64.31	-64.31	-80.08
Vrx, H2 (RM [dBm])	-64.65	-63.96	-64.33	-64.33	-79.81
Hrx, H2 (RM [dBm])	-64.56	-64.04	-64.29	-64.28	-80.49

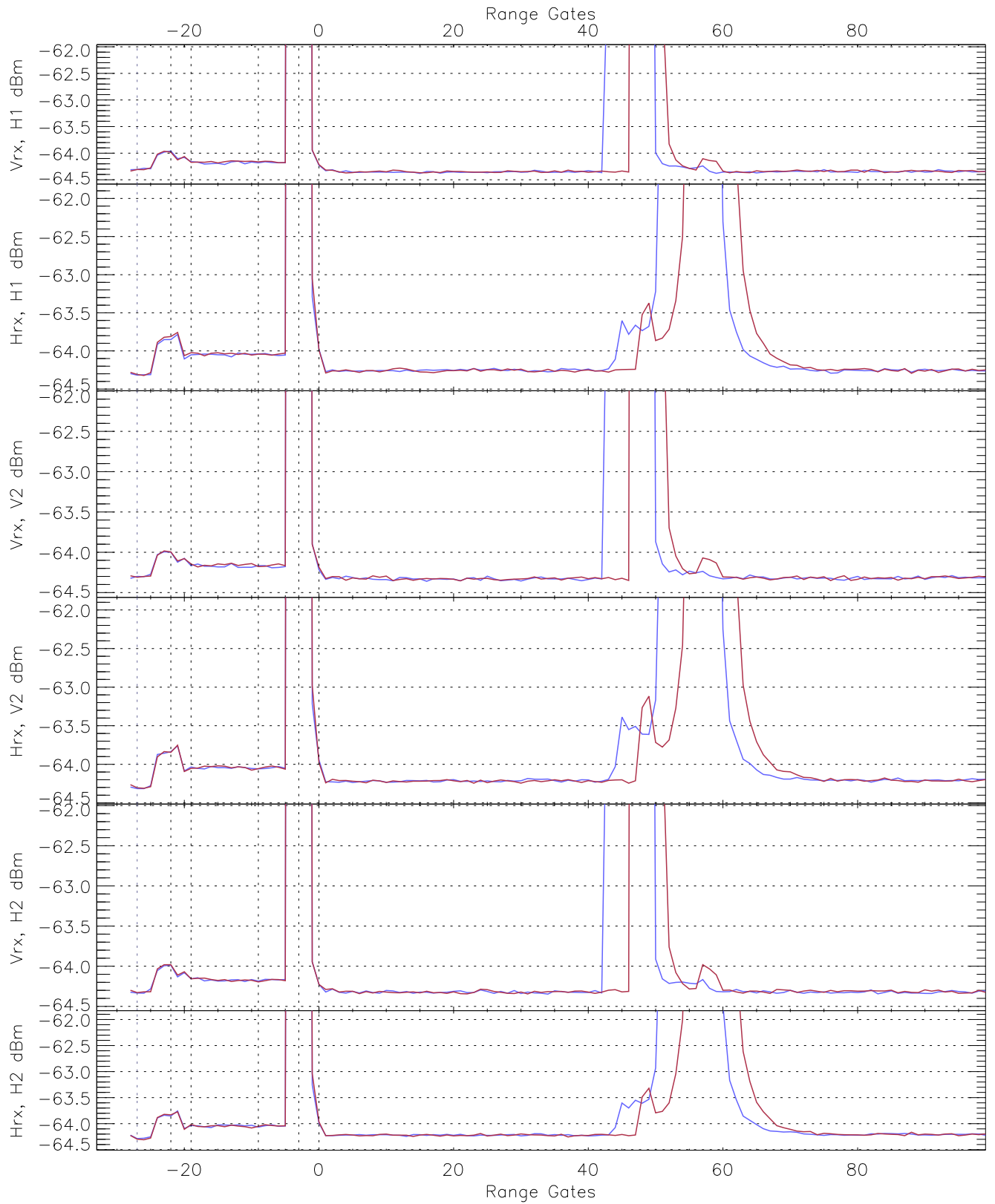


WCR3 FF3 "Best" estimate Receivers Noise Power

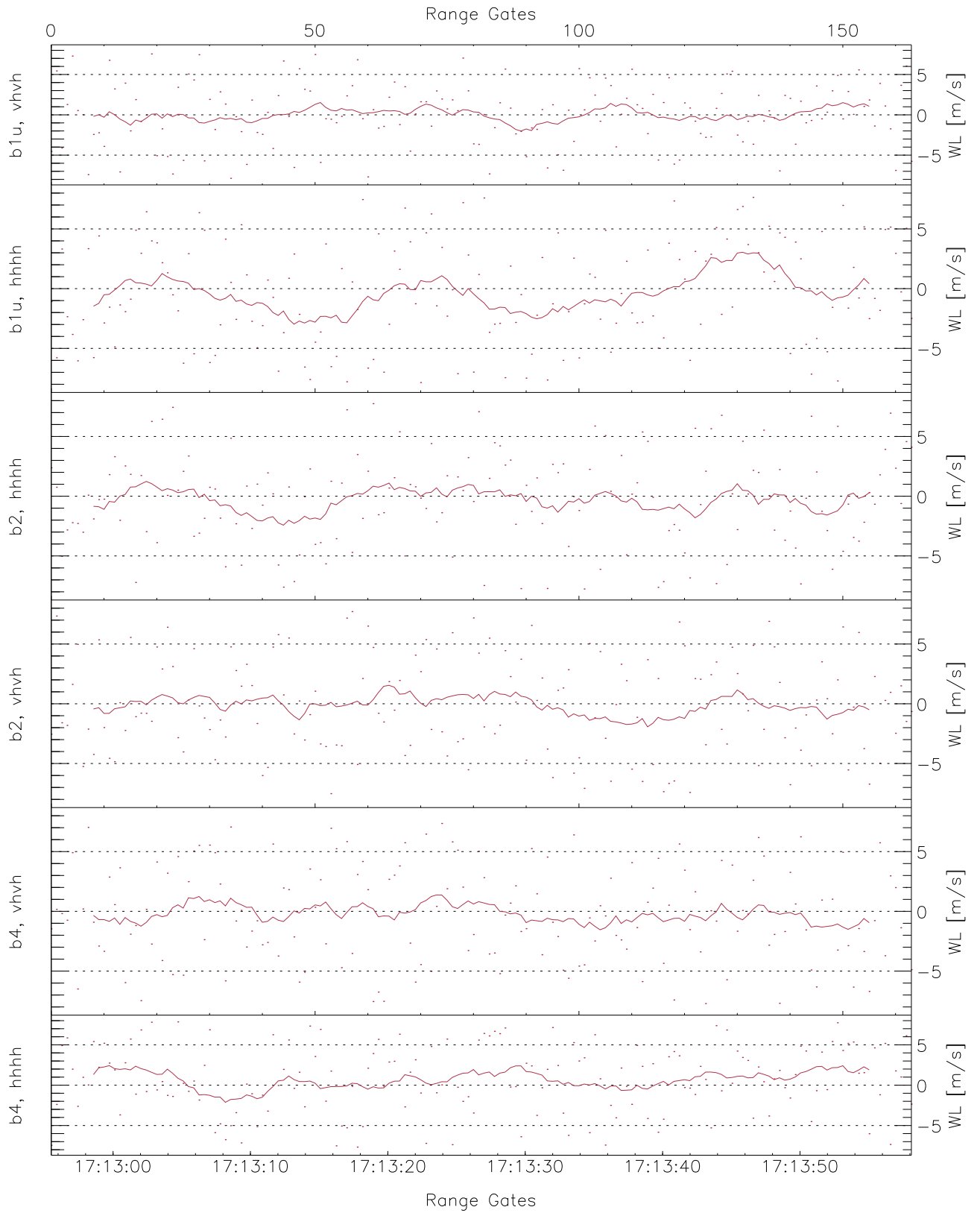
	Min	Max	Mean	Median	StDev
H1RG15_0 [dBm]	-64.74	-64.10	-64.37	-64.37	-79.50
H1RG88_0 [dBm]	-64.65	-63.95	-64.31	-64.31	-79.30
V2RG21_0 [dBm]	-64.76	-64.06	-64.35	-64.36	-79.72
V2RG23_0 [dBm]	-64.64	-64.01	-64.31	-64.33	-79.65
H2RG173_0 [dBm]	-64.76	-64.07	-64.34	-64.34	-79.83
H2RG38_0 [dBm]	-64.59	-63.98	-64.29	-64.30	-79.87



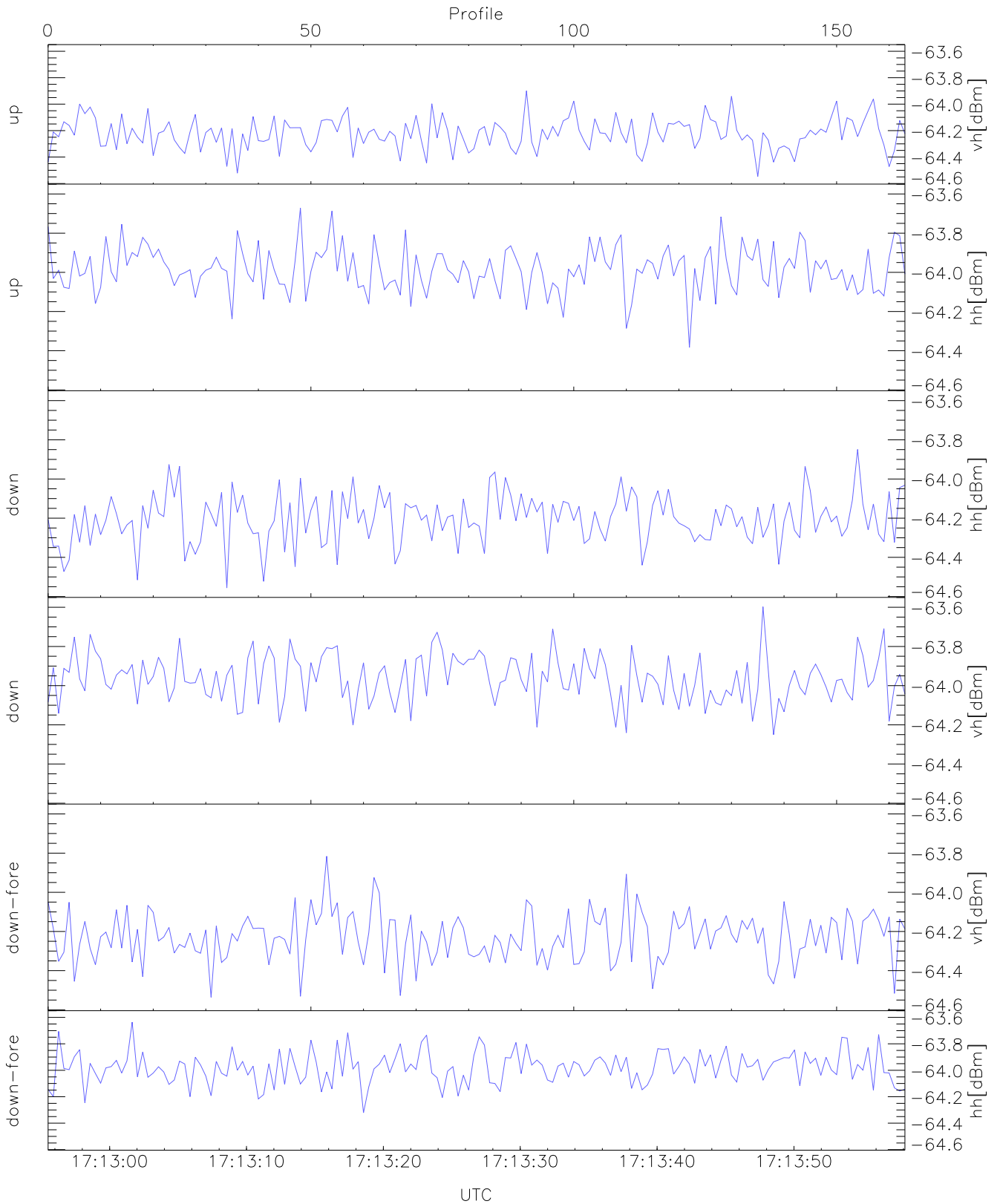
WCR3 FF3 Averaged Received power for all recorded gates
 blue: 171256-171327, 83 profiles averaged
 red: 171327-171358, 82 profiles averaged



WCR3 FF3 Averaged Received power for the negative gates and up to 100 gate
 blue: 171256-171327, 83 profiles averaged
 red: 171327-171358, 82 profiles averaged

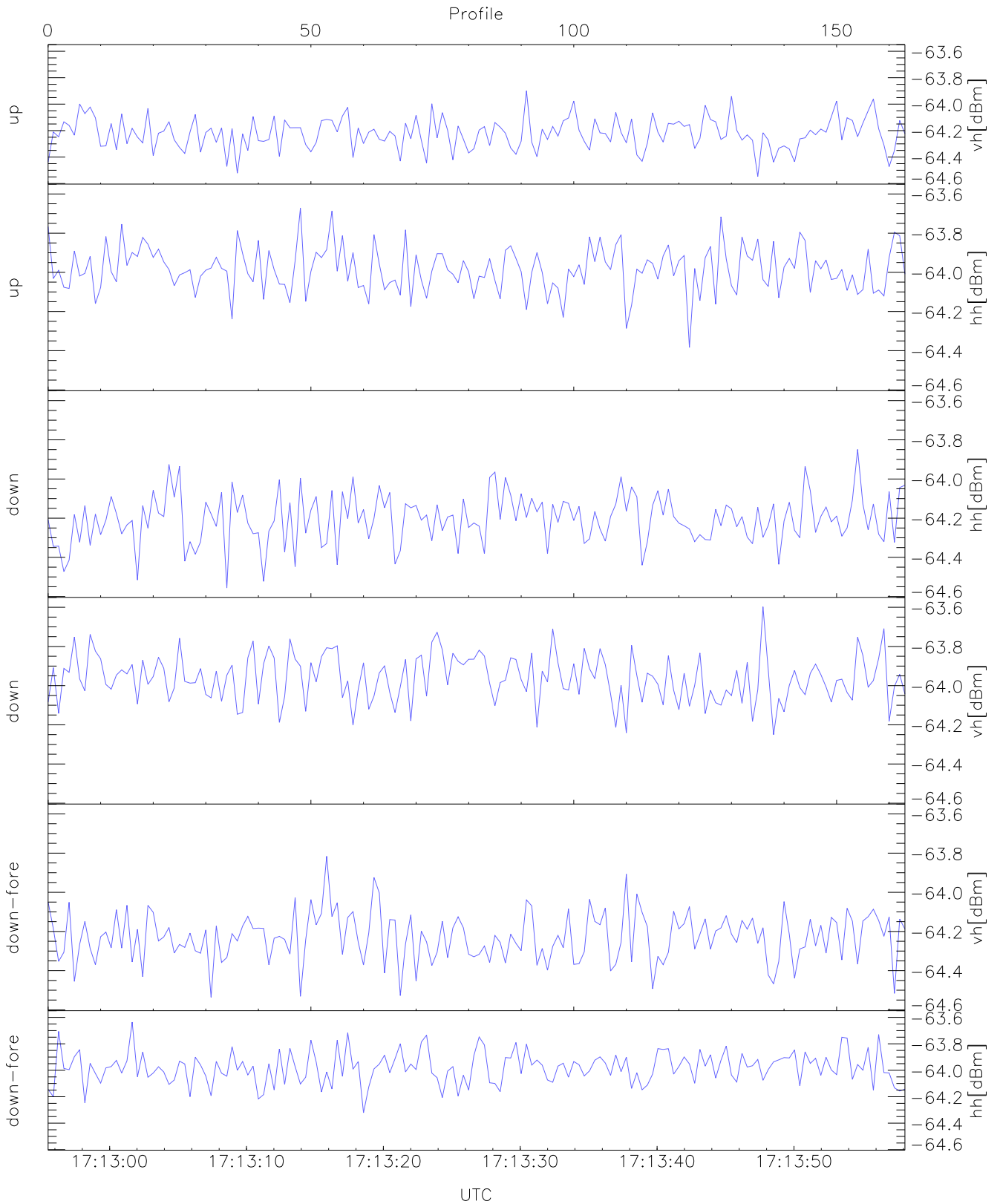


WCR3 FF3 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



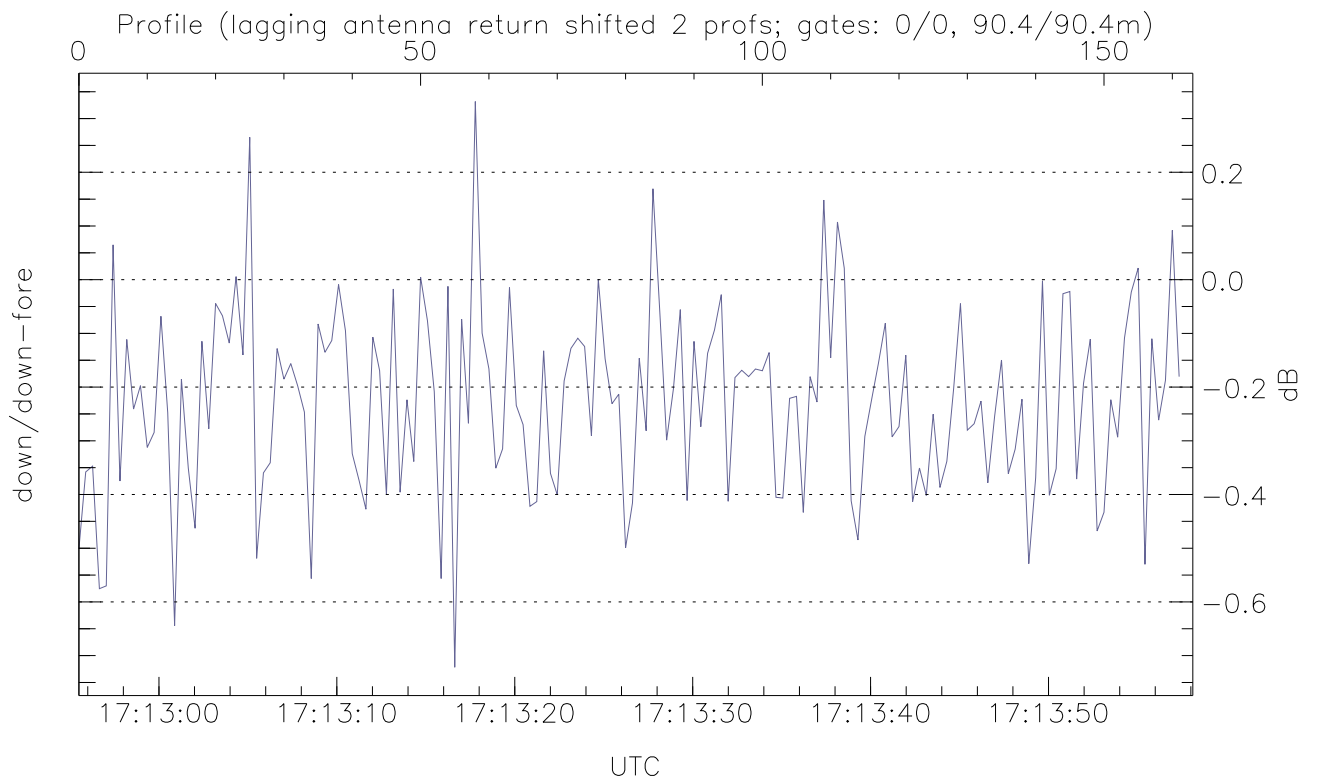
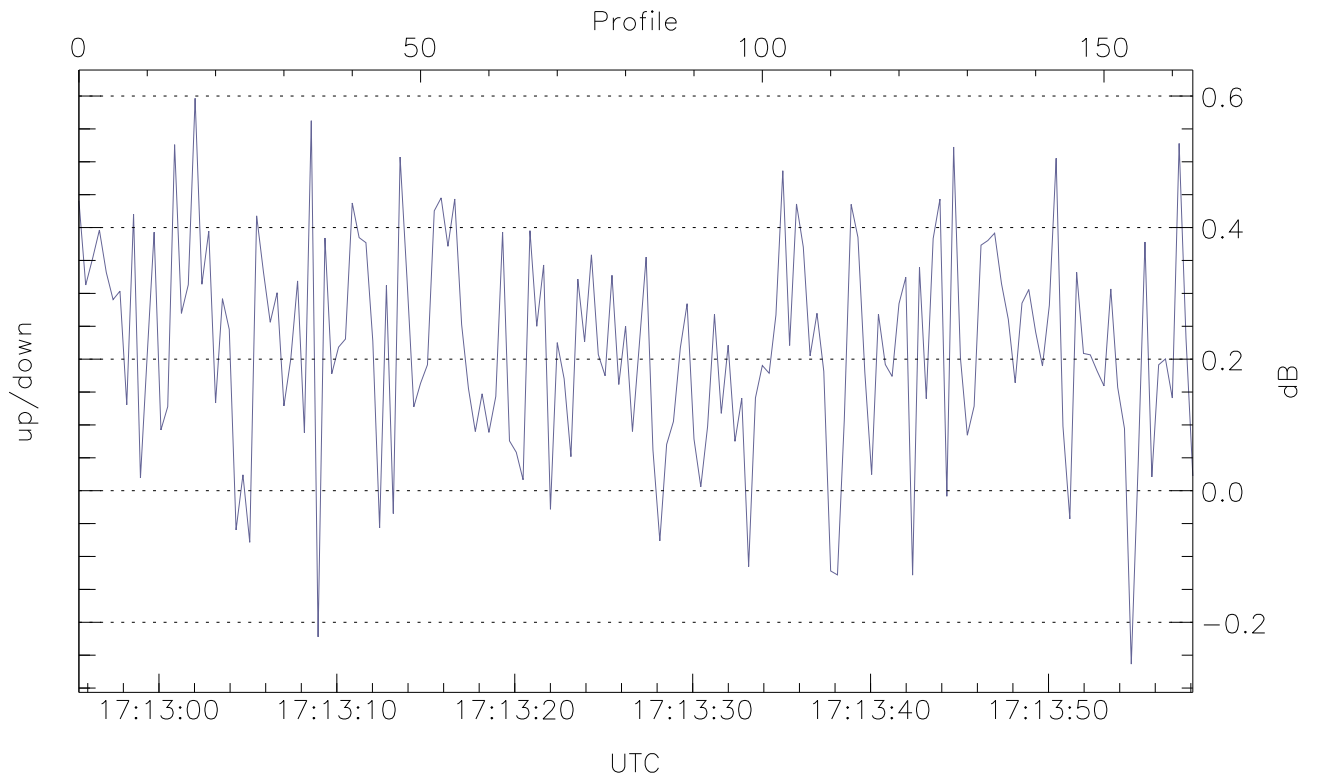
WCR3 FF3 Received Power Products for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.55	-63.90	-64.22
up(hh[dBm])	-64.38	-63.67	-63.98
down(hh[dBm])	-64.56	-63.85	-64.20
down(vh[dBm])	-64.25	-63.60	-63.96
down-fore(vh[dBm])	-64.54	-63.82	-64.23
down-fore(hh[dBm])	-64.32	-63.64	-63.98



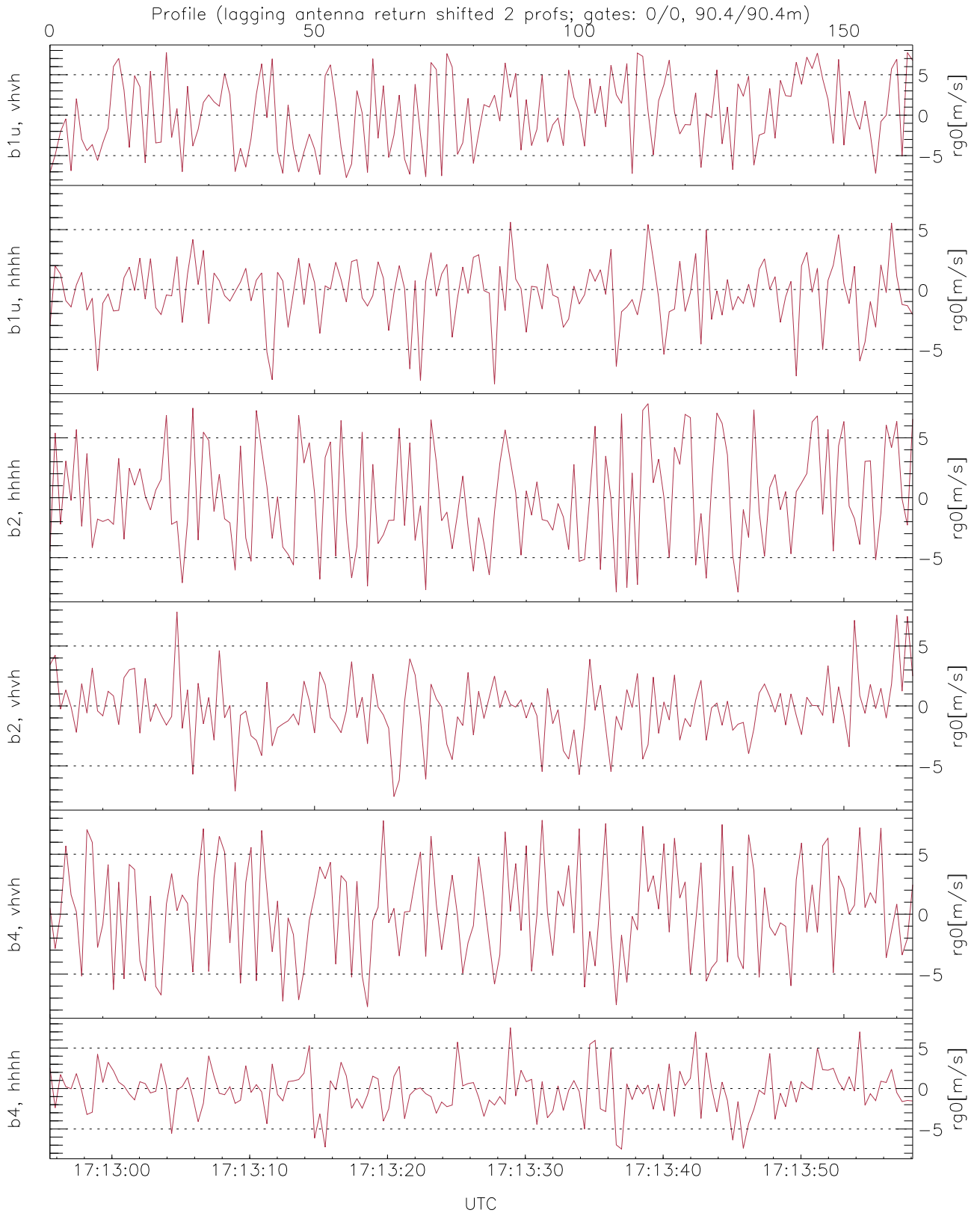
WCR3 FF3 Power Products(psdmom0) for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.55	-63.90	-64.22
up(hh[dBm])	-64.38	-63.67	-63.98
down(hh[dBm])	-64.56	-63.85	-64.20
down(vh[dBm])	-64.25	-63.60	-63.96
down-fore(vh[dBm])	-64.54	-63.82	-64.23
down-fore(hh[dBm])	-64.32	-63.64	-63.98



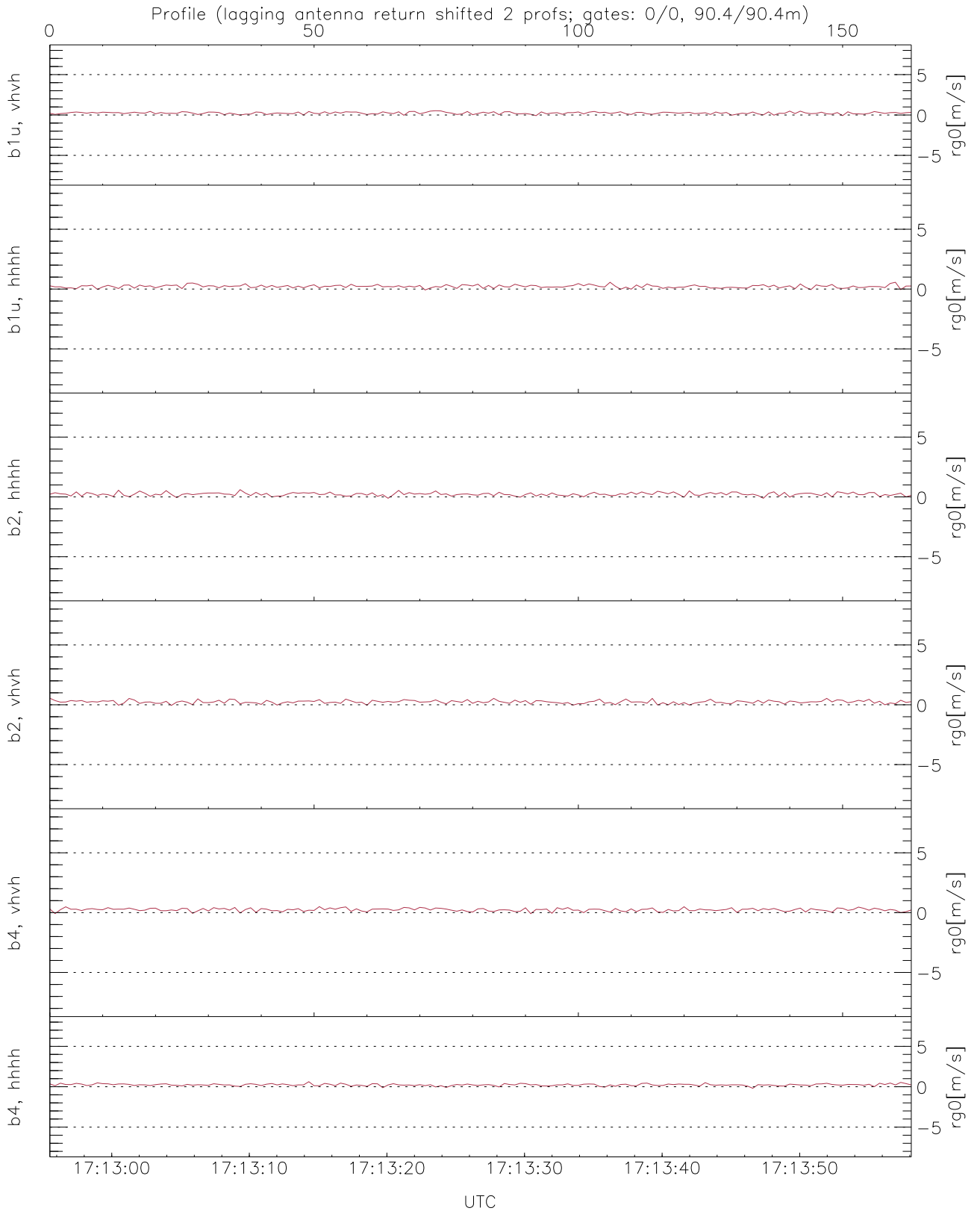
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (90 m)

	Min	Max	Mean
up/down (dB)	-0.26	0.60	0.22
down/down-fore (dB)	-0.72	0.33	-0.23



WCR3 FF3 Doppler Velocity Products at 90.4 m range

	Min	Max	Mean	StDev
b1u, vvh(rg0[m/s])	-7.71	7.77	0.10	4.54
b1u, hhhh(rg0[m/s])	-7.88	5.63	-0.26	2.58
b2, hhhh(rg0[m/s])	-7.89	7.85	0.03	4.25
b2, vvh(rg0[m/s])	-7.57	7.85	-0.27	2.62
b4, vvh(rg0[m/s])	-7.74	7.84	0.29	4.08
b4, hhhh(rg0[m/s])	-7.48	7.53	-0.27	2.77



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

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.08	0.53	0.24	0.13
b1u, hhhh(rg0[m/s])	-0.07	0.57	0.22	0.12
b2, hhhh(rg0[m/s])	-0.11	0.61	0.23	0.13
b2, vvhv(rg0[m/s])	-0.05	0.55	0.24	0.13
b4, vvhv(rg0[m/s])	-0.08	0.50	0.24	0.12
b4, hhhh(rg0[m/s])	-0.19	0.62	0.24	0.12