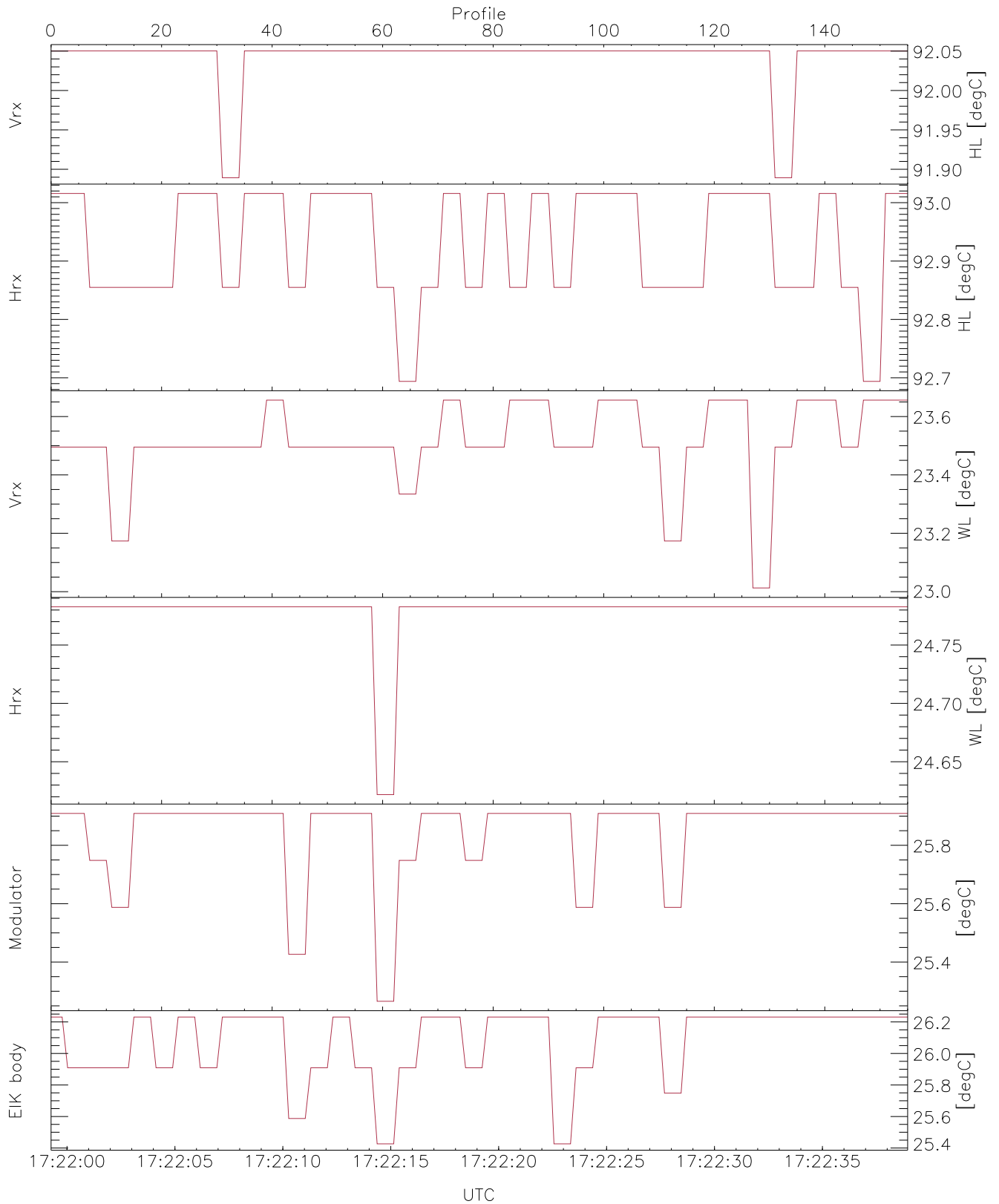


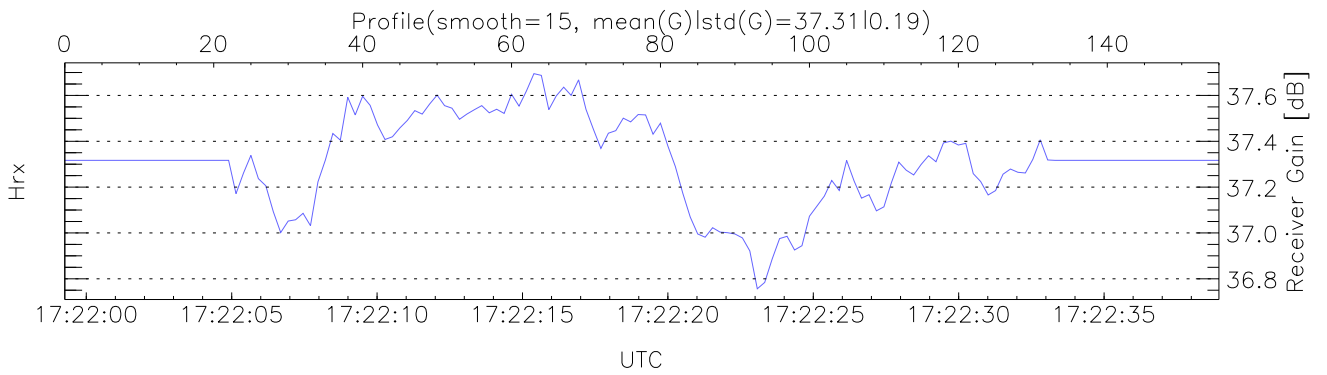
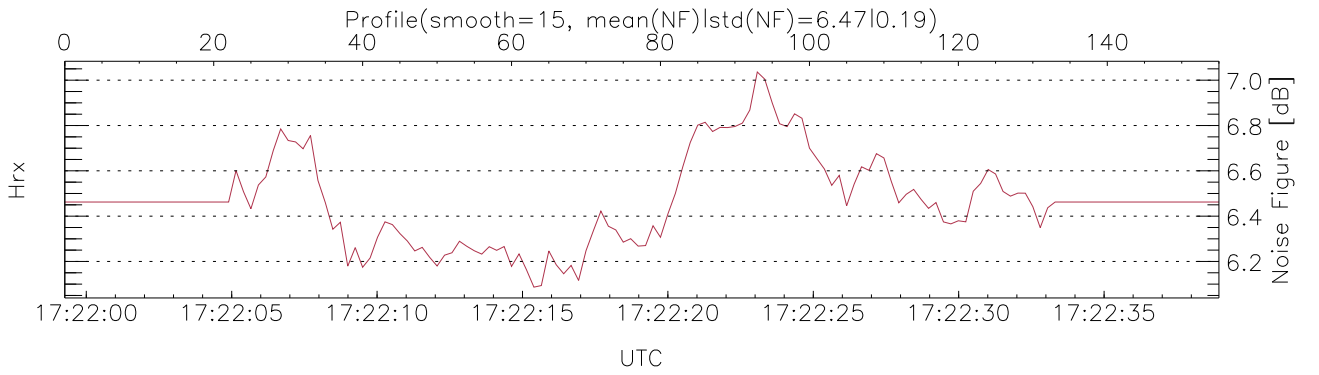
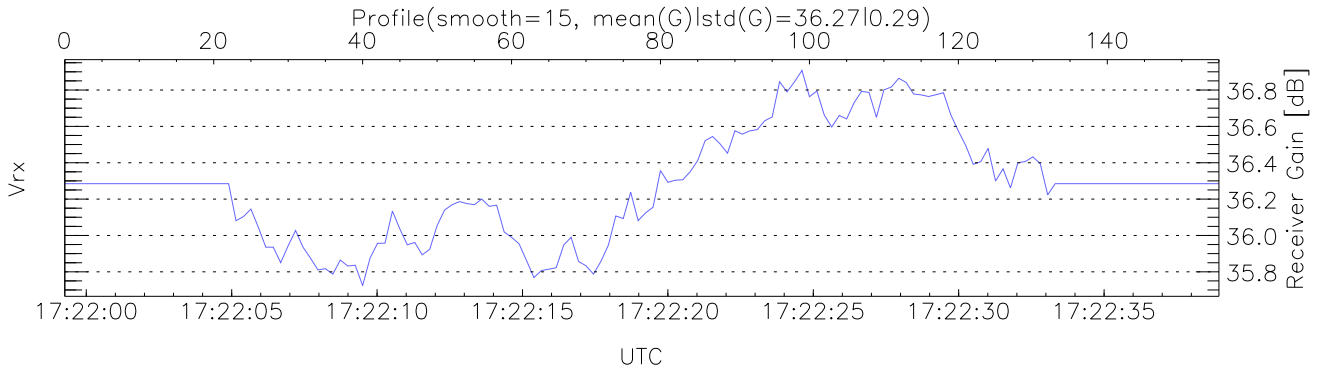
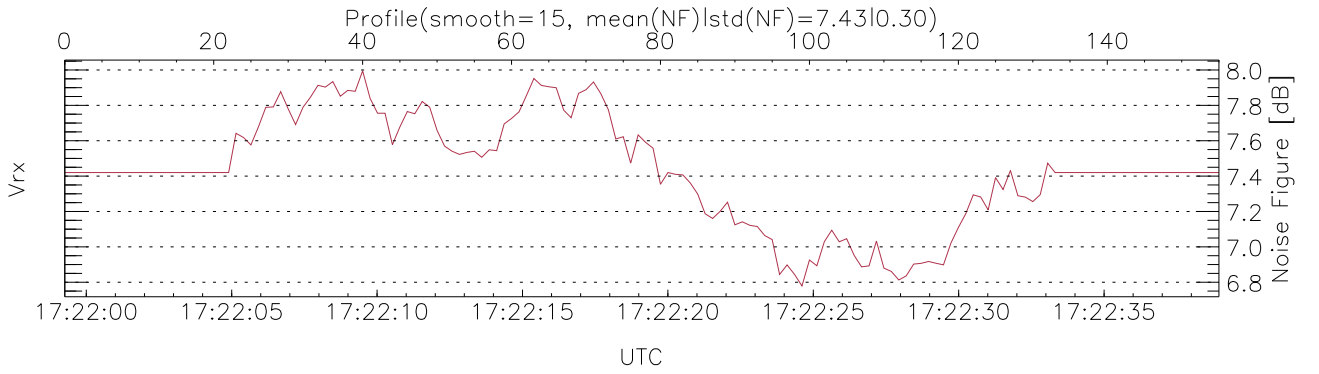
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:21:59-17:22:39, TimeCor: 0.00s, Dur: 39.69s
 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): 156/156, 0-155/17:21:59-17:22:39
 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



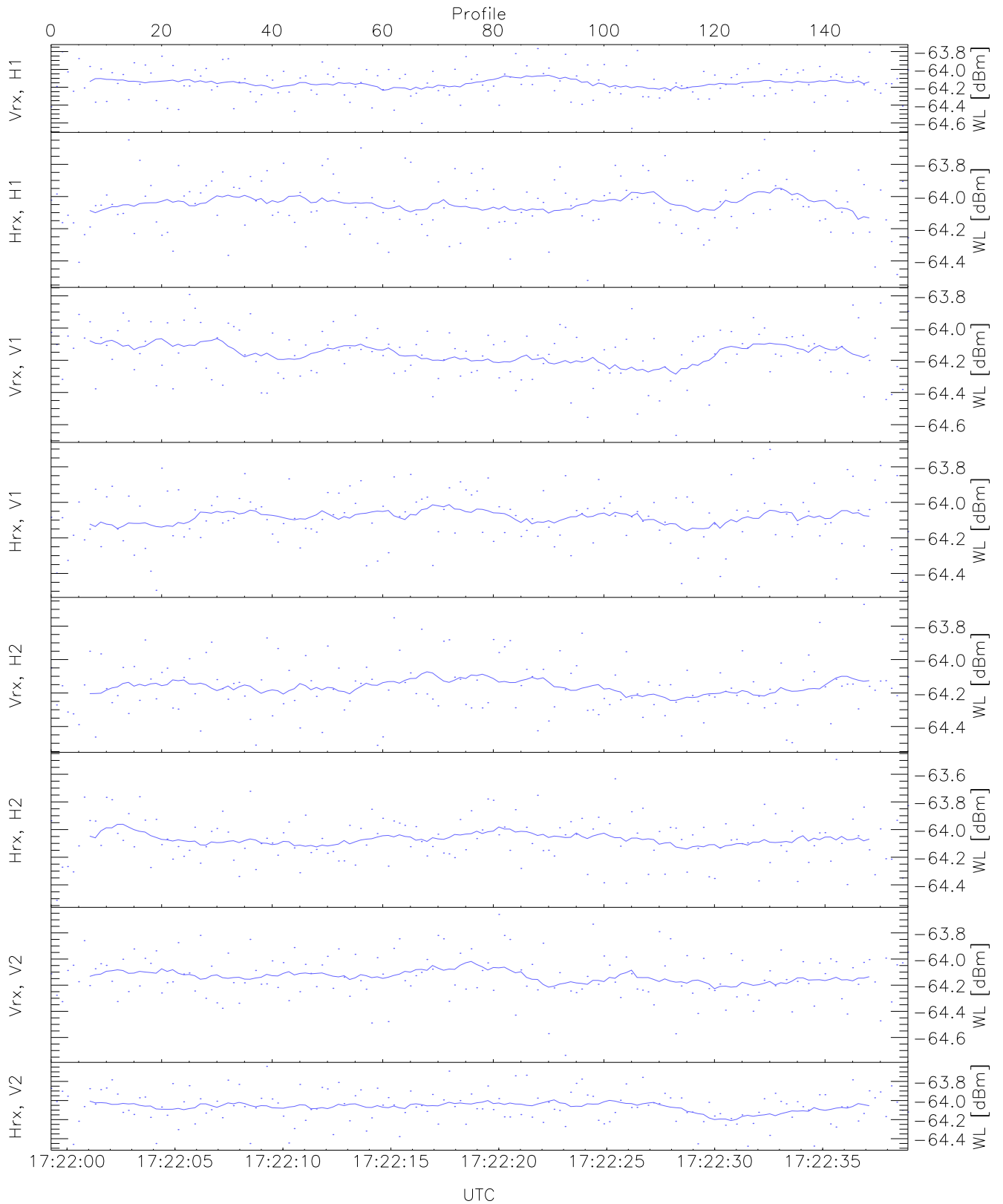
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

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



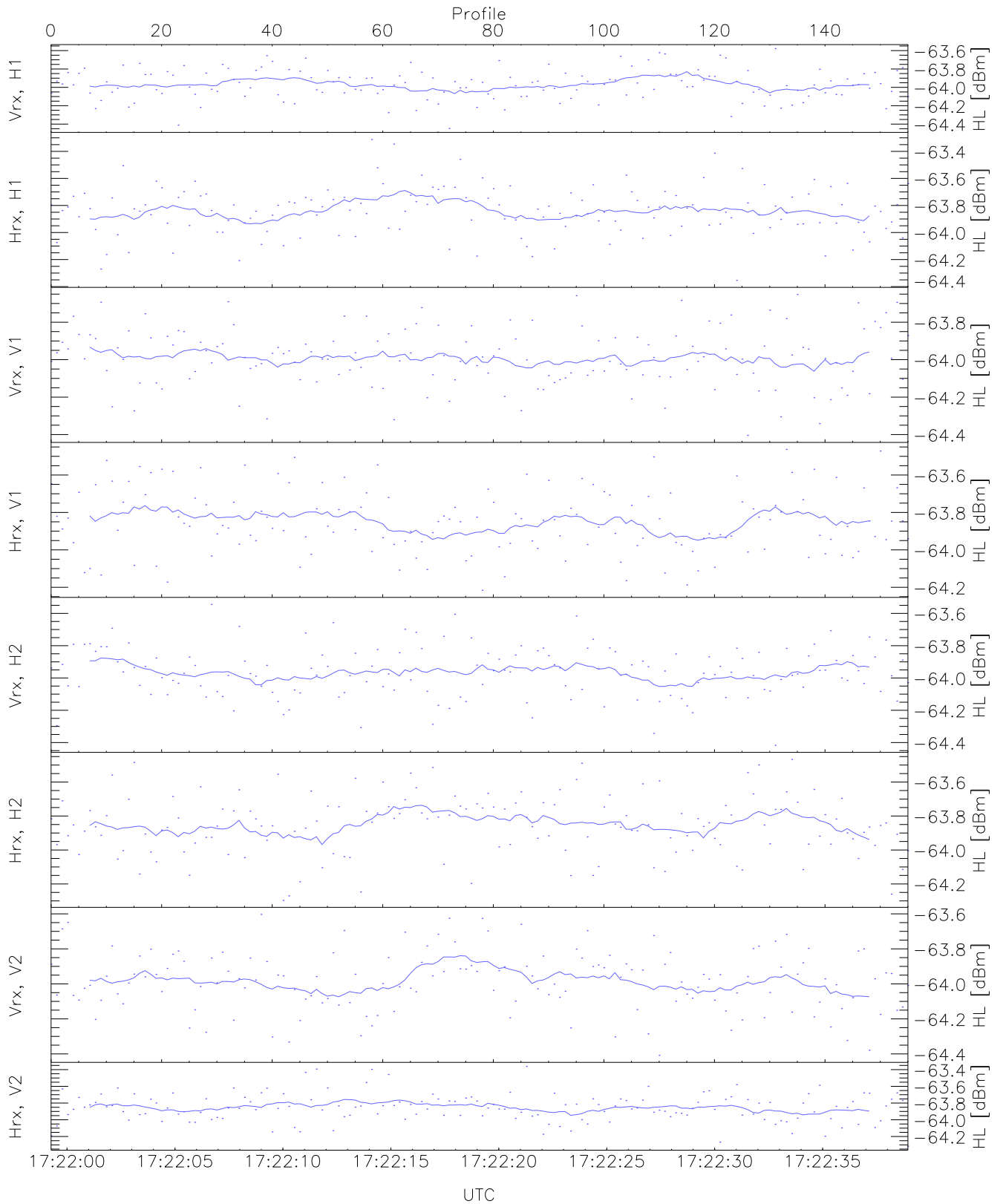
WCR3 FF4 Receivers Gain and Noise Figure

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



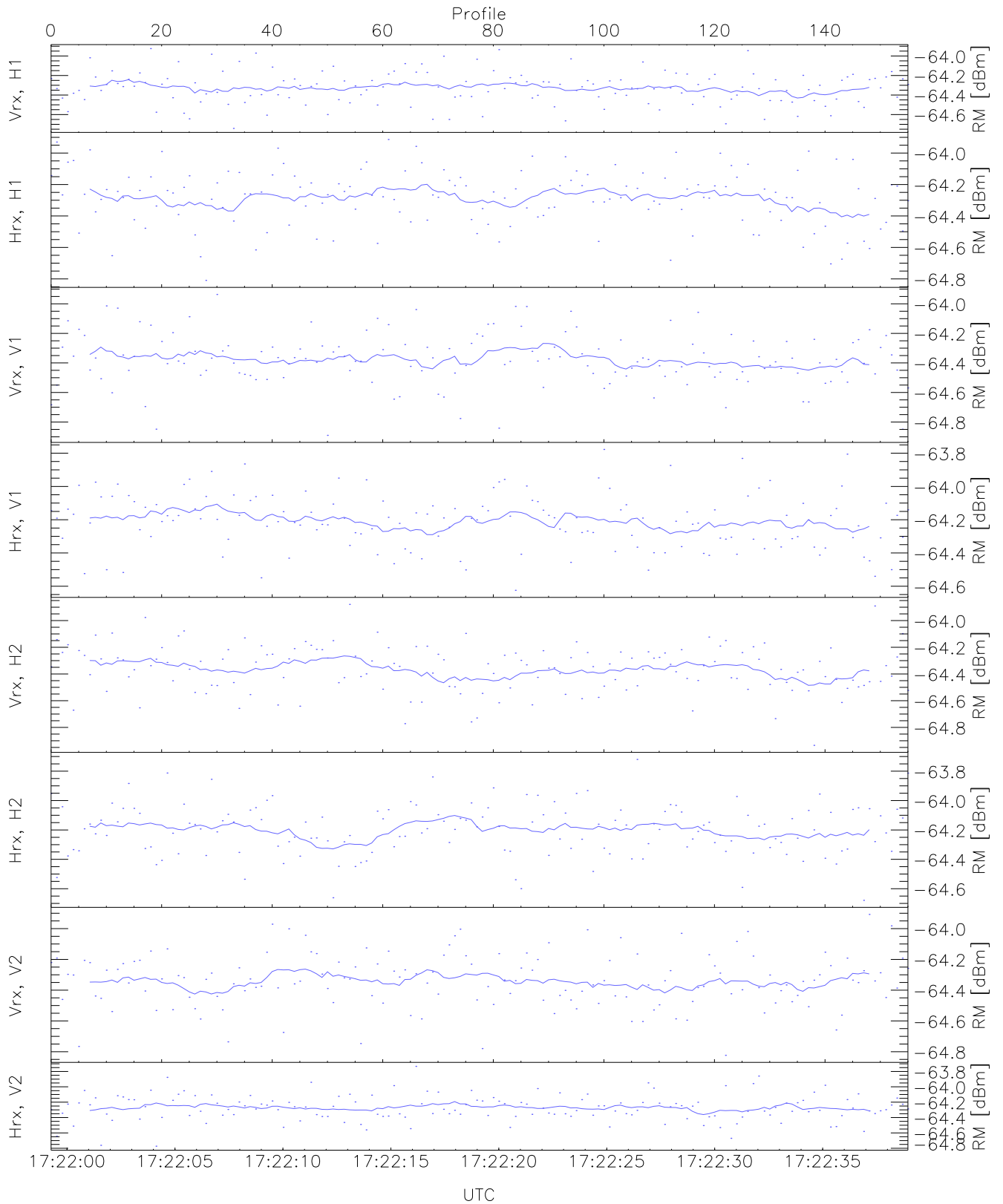
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.66	-63.77	-64.15	-64.16	-78.29
Hrx, H1 (WL [dBm])	-64.52	-63.65	-64.05	-64.05	-78.11
Vrx, V1 (WL [dBm])	-64.67	-63.79	-64.16	-64.14	-78.54
Hrx, V1 (WL [dBm])	-64.50	-63.70	-64.08	-64.08	-78.57
Vrx, H2 (WL [dBm])	-64.51	-63.67	-64.16	-64.17	-78.42
Hrx, H2 (WL [dBm])	-64.51	-63.49	-64.07	-64.07	-78.12
Vrx, V2 (WL [dBm])	-64.74	-63.66	-64.13	-64.14	-78.06
Hrx, V2 (WL [dBm])	-64.48	-63.64	-64.06	-64.06	-78.16



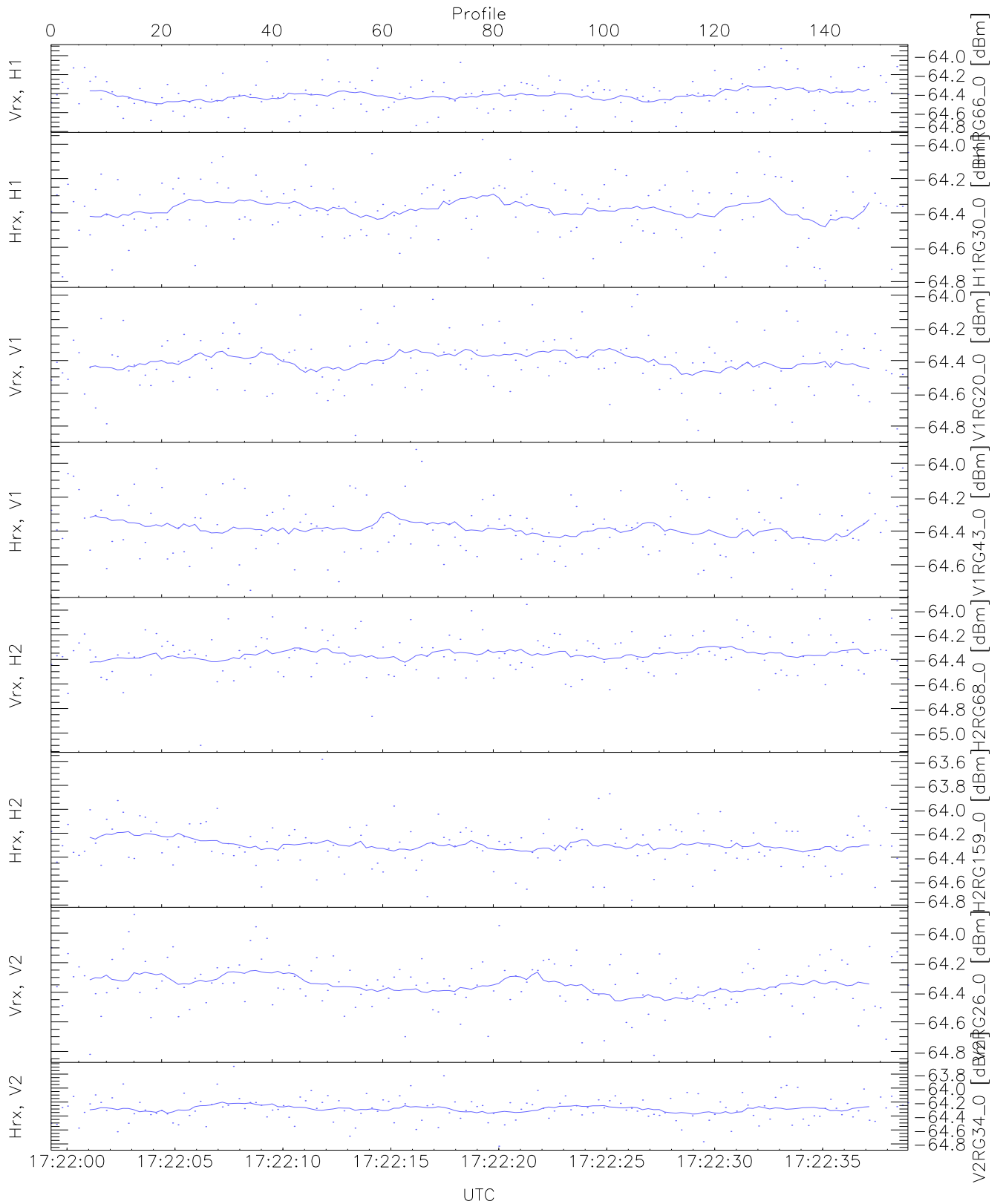
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.45	-63.58	-63.97	-63.97	-78.27
Hrx, H1 (HL [dBm])	-64.35	-63.31	-63.84	-63.84	-77.74
Vrx, V1 (HL [dBm])	-64.40	-63.65	-63.98	-63.99	-78.45
Hrx, V1 (HL [dBm])	-64.22	-63.46	-63.84	-63.85	-77.86
Vrx, H2 (HL [dBm])	-64.42	-63.54	-63.96	-63.96	-78.47
Hrx, H2 (HL [dBm])	-64.30	-63.47	-63.85	-63.85	-77.80
Vrx, V2 (HL [dBm])	-64.41	-63.60	-63.98	-63.97	-78.09
Hrx, V2 (HL [dBm])	-64.32	-63.36	-63.85	-63.86	-77.97



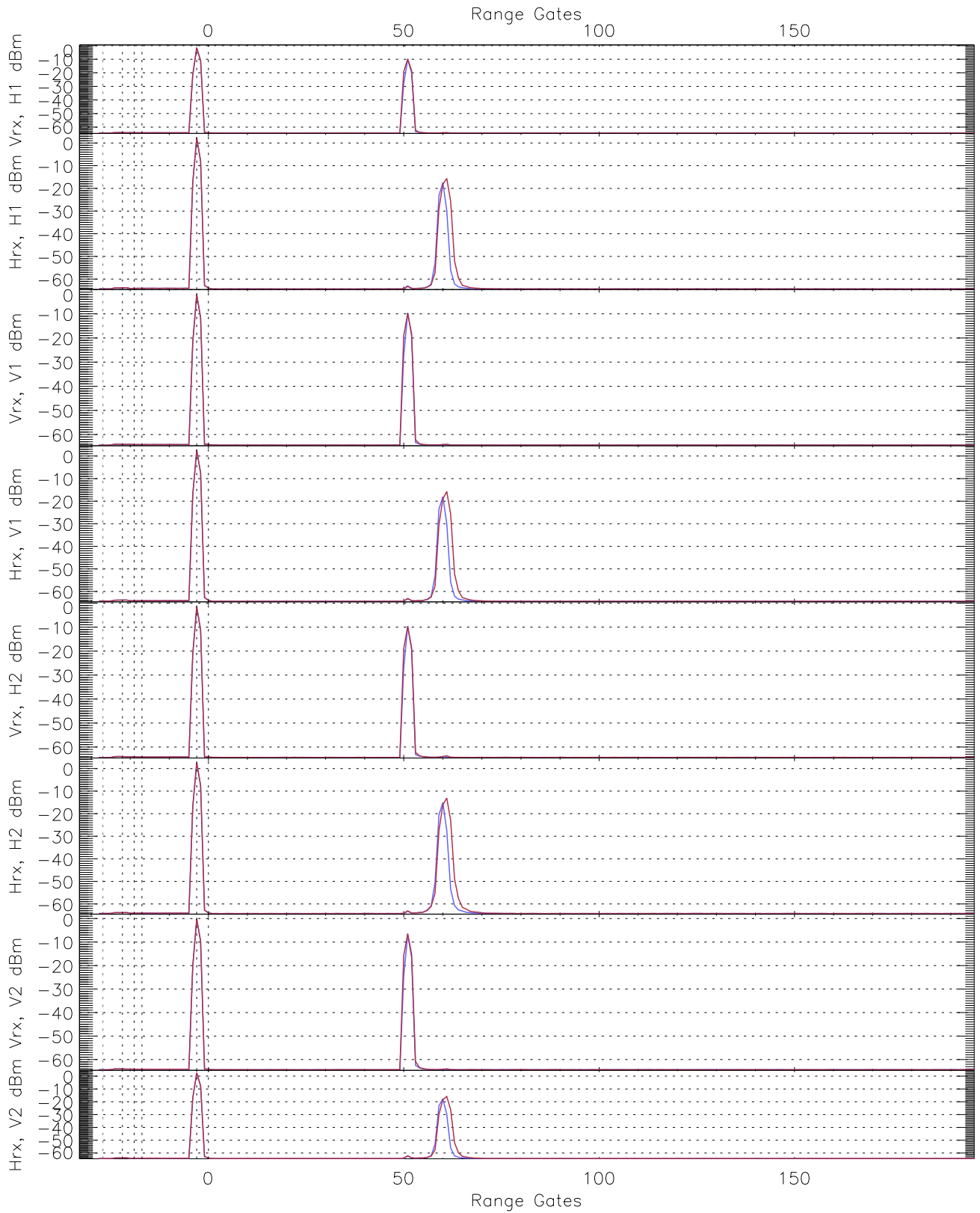
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.74	-63.92	-64.32	-64.32	-78.46
Hrx, H1 (RM [dBm])	-64.81	-63.91	-64.28	-64.27	-78.16
Vrx, V1 (RM [dBm])	-64.89	-63.94	-64.37	-64.39	-78.28
Hrx, V1 (RM [dBm])	-64.62	-63.78	-64.21	-64.20	-78.40
Vrx, H2 (RM [dBm])	-64.93	-63.88	-64.36	-64.34	-78.34
Hrx, H2 (RM [dBm])	-64.68	-63.72	-64.20	-64.19	-78.22
Vrx, V2 (RM [dBm])	-64.82	-63.91	-64.34	-64.34	-78.35
Hrx, V2 (RM [dBm])	-64.77	-63.73	-64.27	-64.28	-78.38

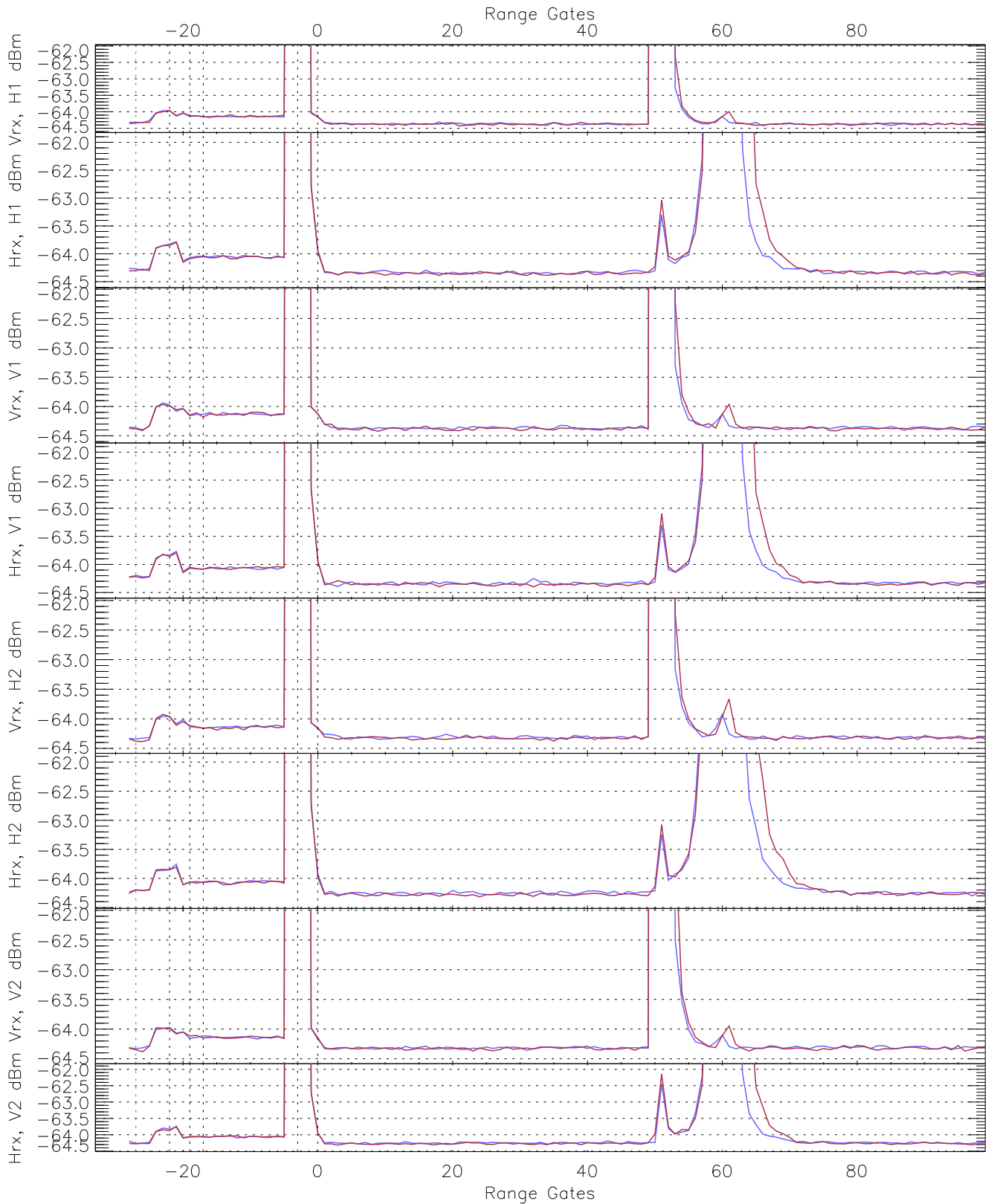


WCR3 FF4 "Best" estimate Receivers Noise Power

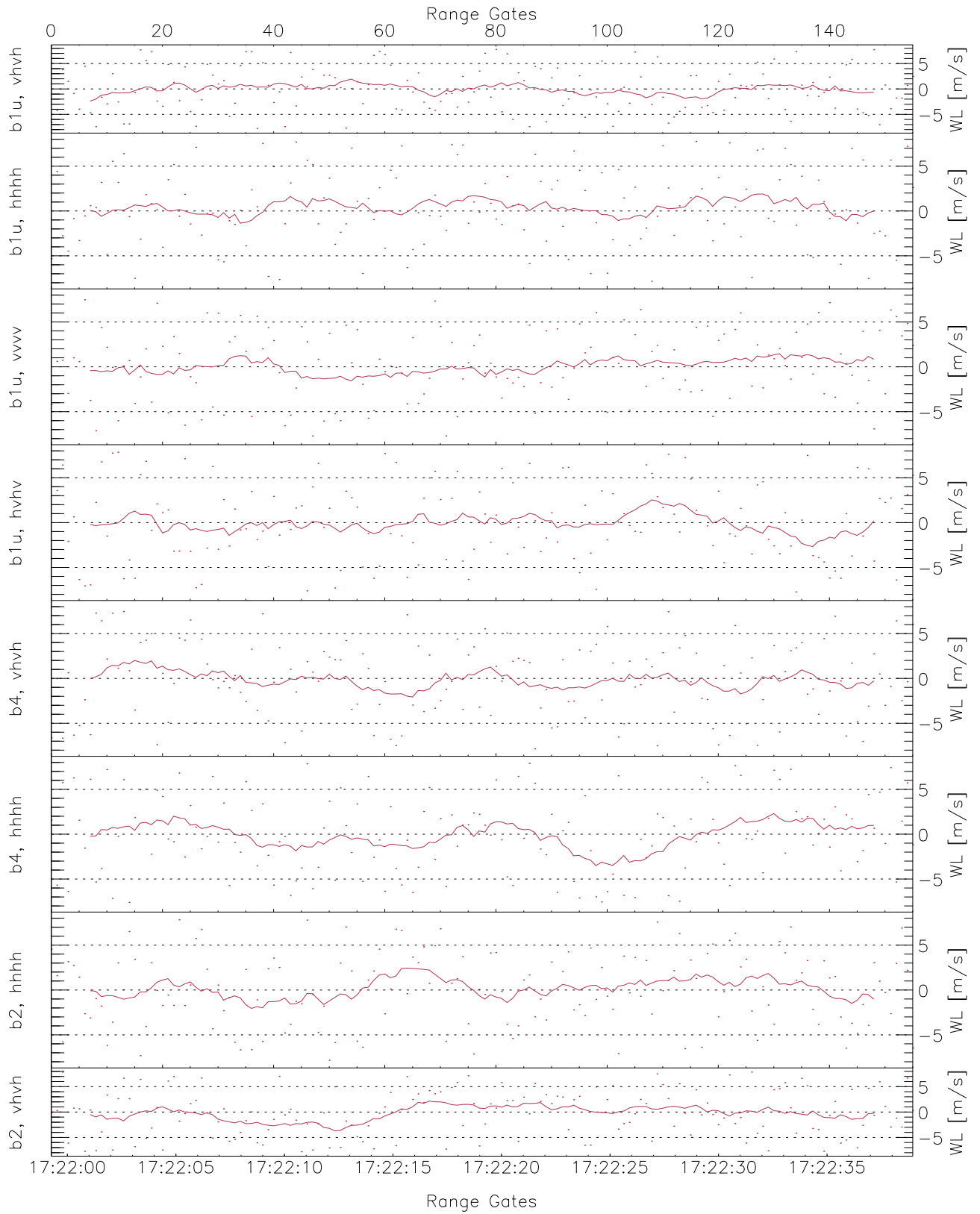
	Min	Max	Mean	Median	StDev
H1RG66_0 [dBm]	-64.77	-63.93	-64.41	-64.41	-78.59
H1RG30_0 [dBm]	-64.79	-63.97	-64.37	-64.36	-78.39
V1RG20_0 [dBm]	-64.86	-64.00	-64.40	-64.41	-78.52
V1RG43_0 [dBm]	-64.75	-63.92	-64.38	-64.38	-78.51
H2RG68_0 [dBm]	-65.10	-63.95	-64.36	-64.36	-78.58
H2RG159_0 [dBm]	-64.76	-63.58	-64.29	-64.30	-78.10
V2RG26_0 [dBm]	-64.83	-63.87	-64.35	-64.35	-78.38
V2RG34_0 [dBm]	-64.83	-63.69	-64.29	-64.29	-78.21



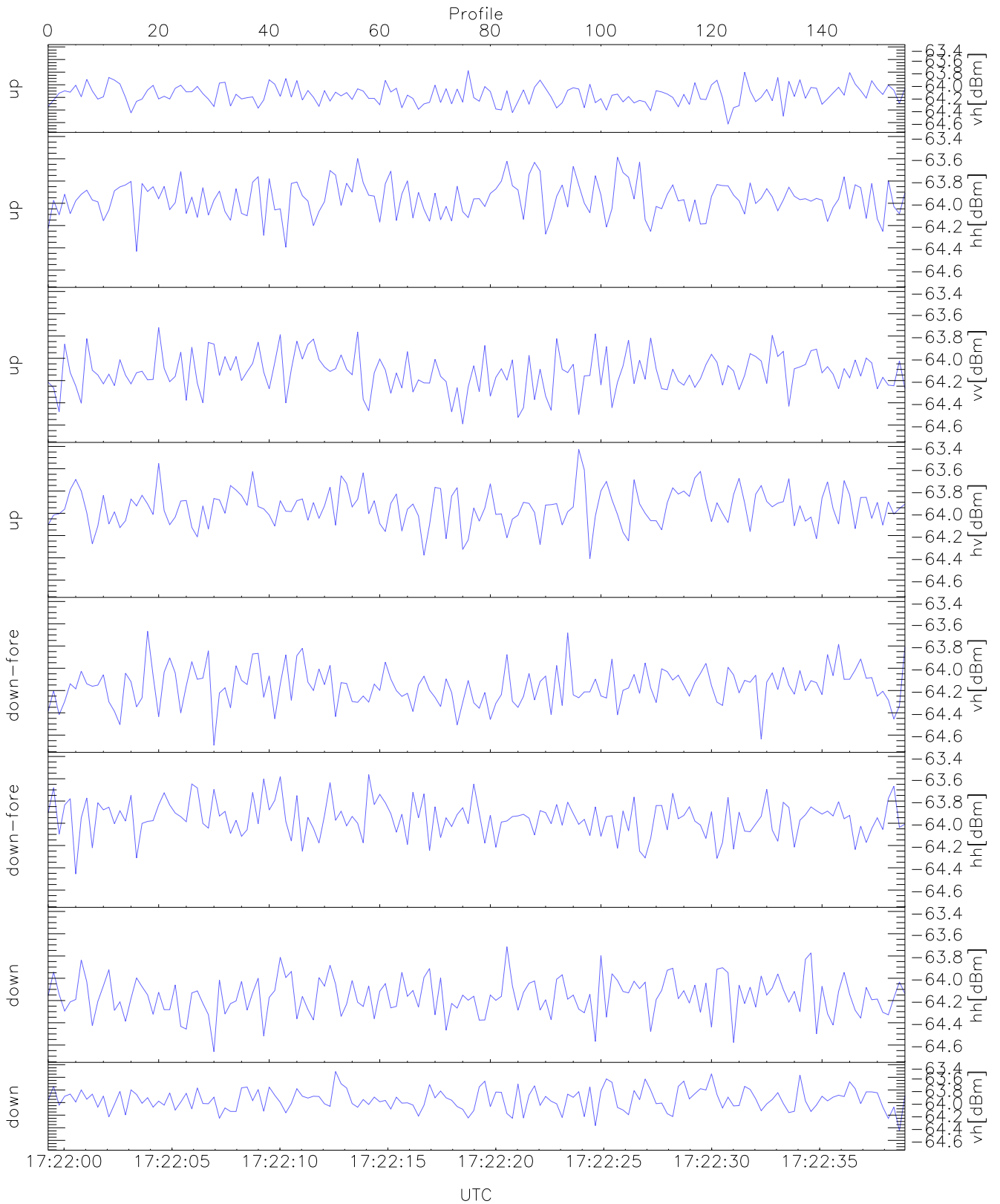
WCR3 FF4 Averaged Received power for all recorded gates
 blue: 172159-172219, 79 profiles averaged
 red: 172219-172239, 78 profiles averaged



WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate
 blue: 172159-172219, 79 profiles averaged
 red: 172219-172239, 78 profiles averaged

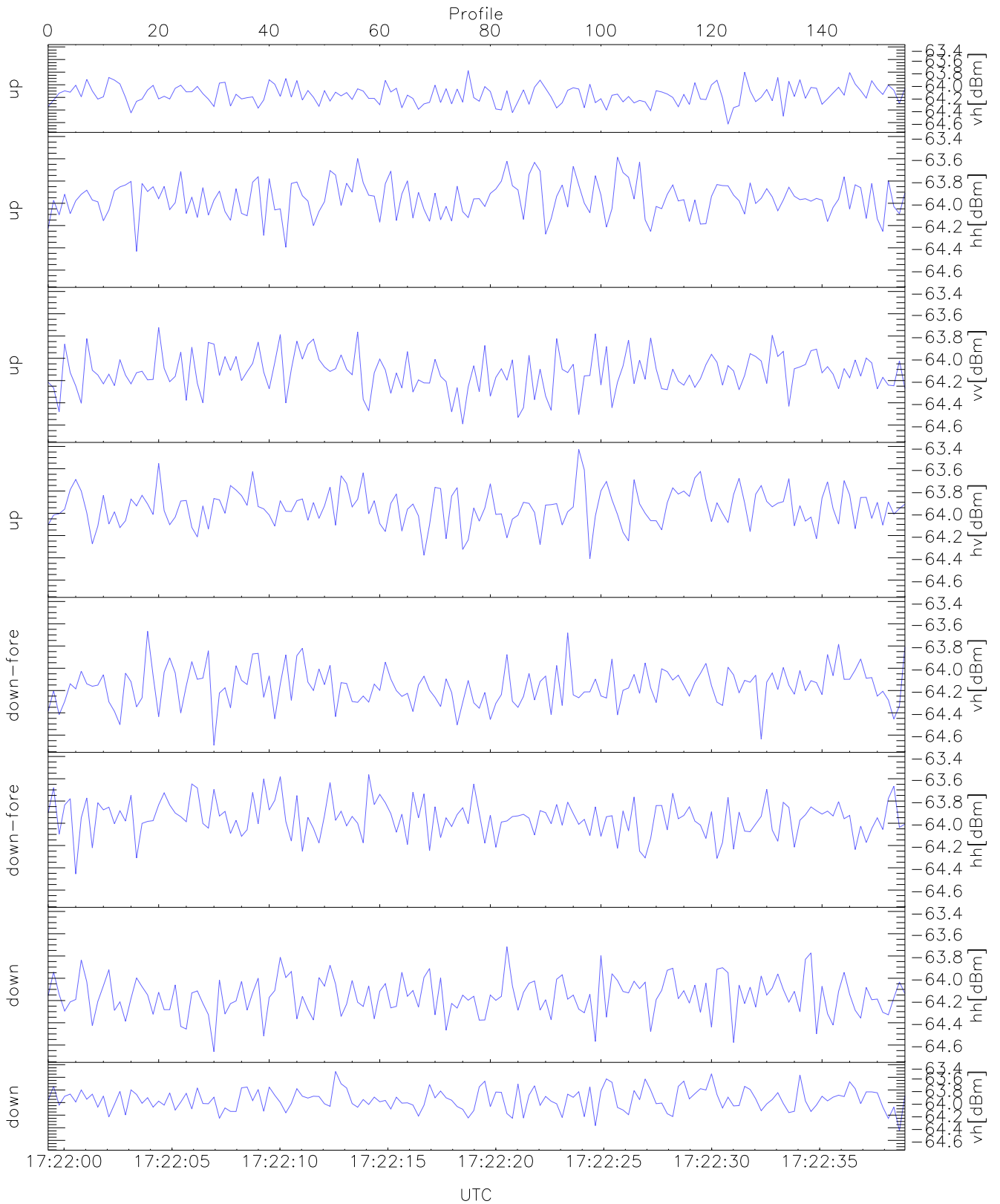


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



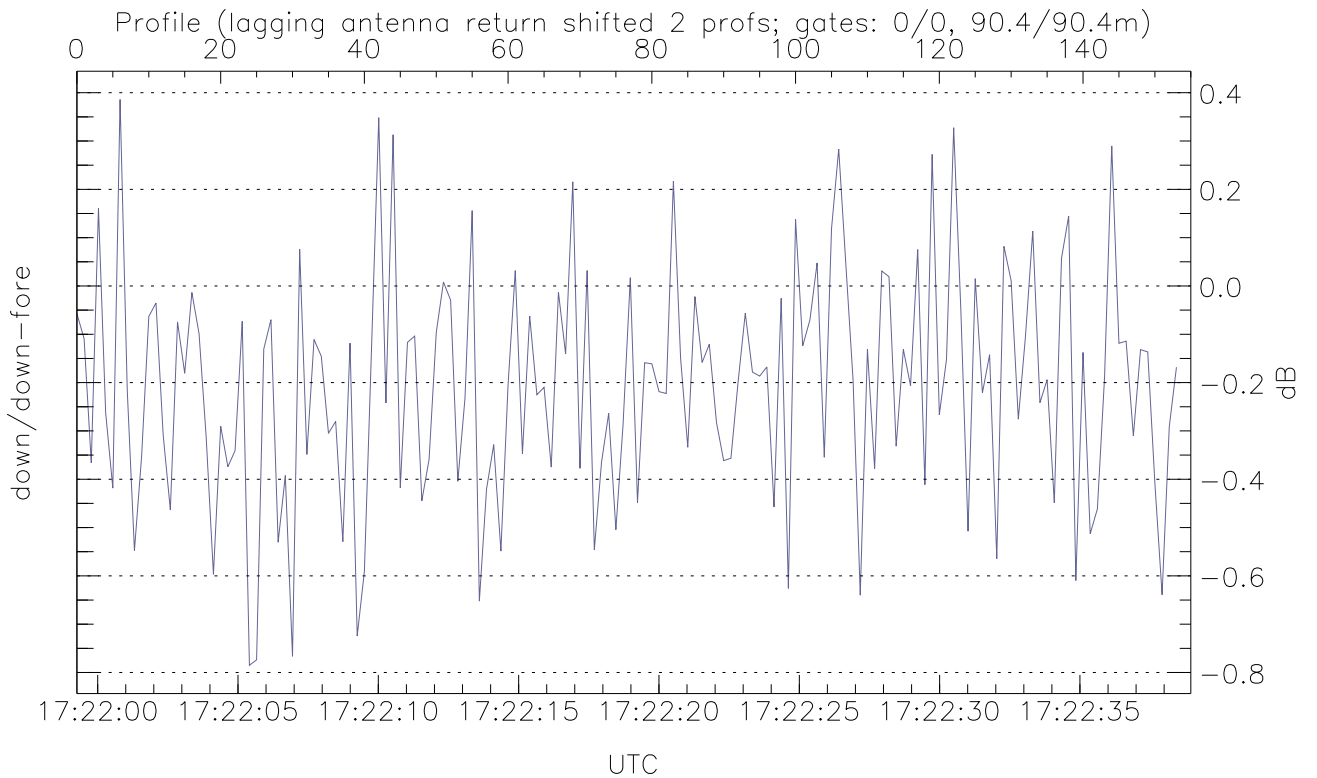
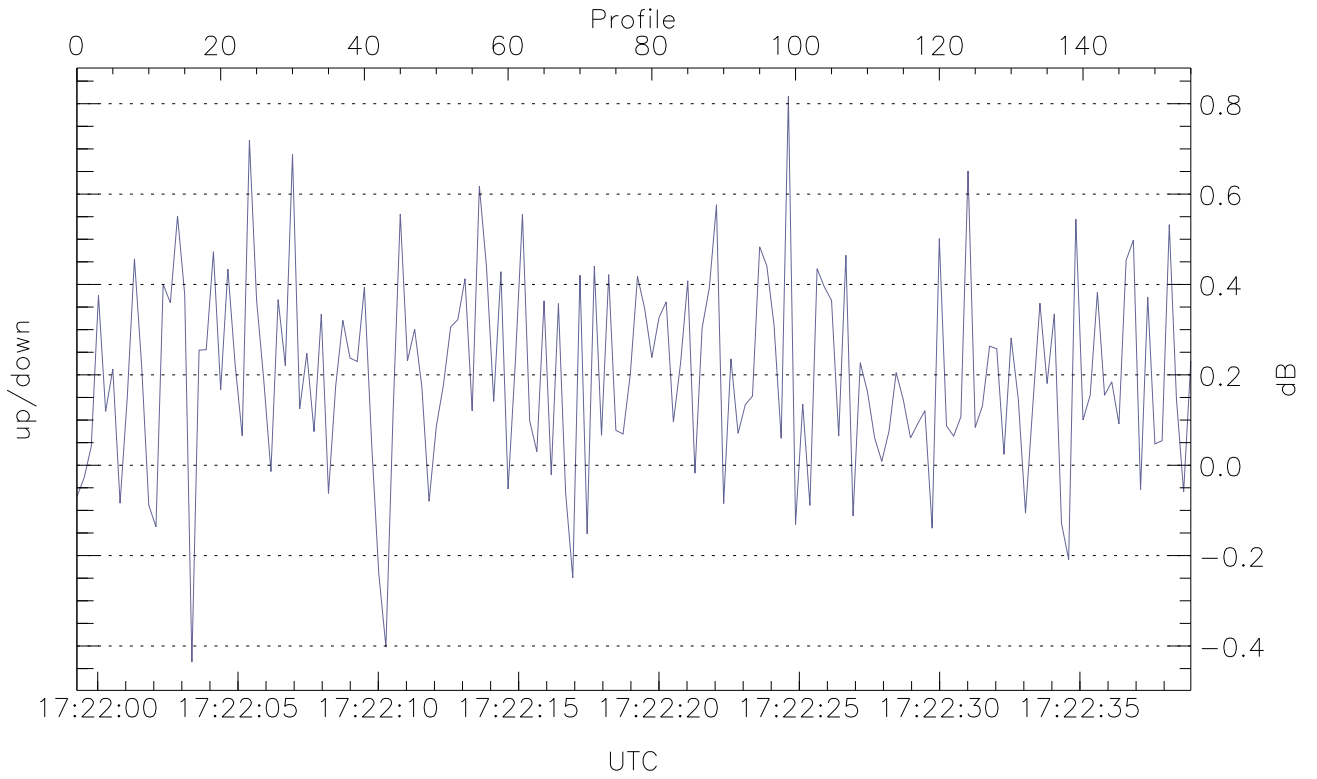
WCR3 FF4 Received Power Products for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.62	-63.77	-64.16
up(hh[dBm])	-64.43	-63.59	-63.96
up(vv[dBm])	-64.59	-63.72	-64.13
up(hv[dBm])	-64.41	-63.43	-63.95
down-fore(vh[dBm])	-64.69	-63.67	-64.16
down-fore(hh[dBm])	-64.46	-63.56	-63.95
down(hh[dBm])	-64.66	-63.72	-64.16
down(vh[dBm])	-64.45	-63.51	-63.95



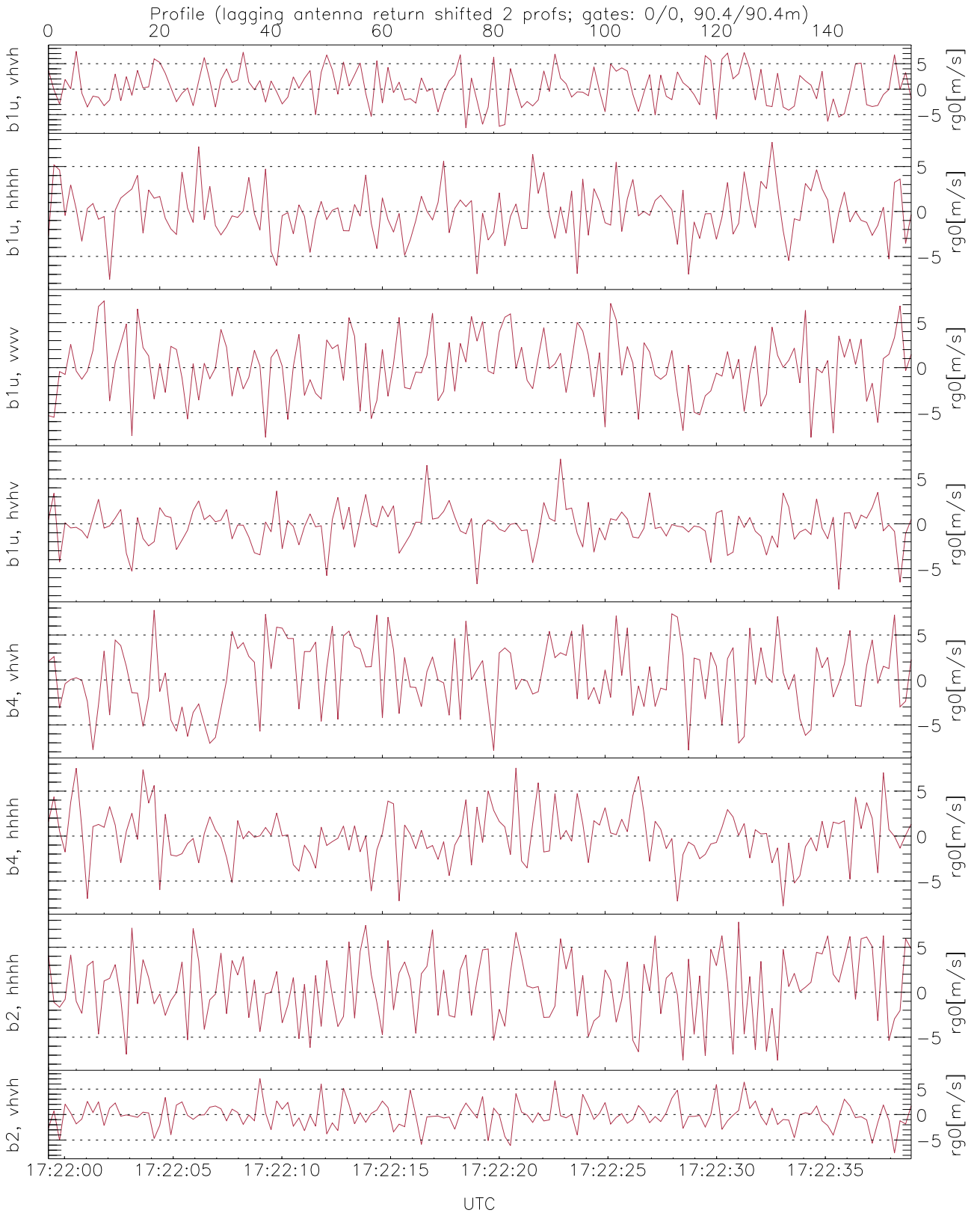
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.62	-63.77	-64.16
up(hh[dBm])	-64.43	-63.59	-63.96
up(vv[dBm])	-64.59	-63.72	-64.13
up(hv[dBm])	-64.41	-63.43	-63.95
down-fore(vh[dBm])	-64.69	-63.67	-64.16
down-fore(hh[dBm])	-64.46	-63.56	-63.95
down(hh[dBm])	-64.66	-63.72	-64.16
down(vh[dBm])	-64.45	-63.51	-63.95



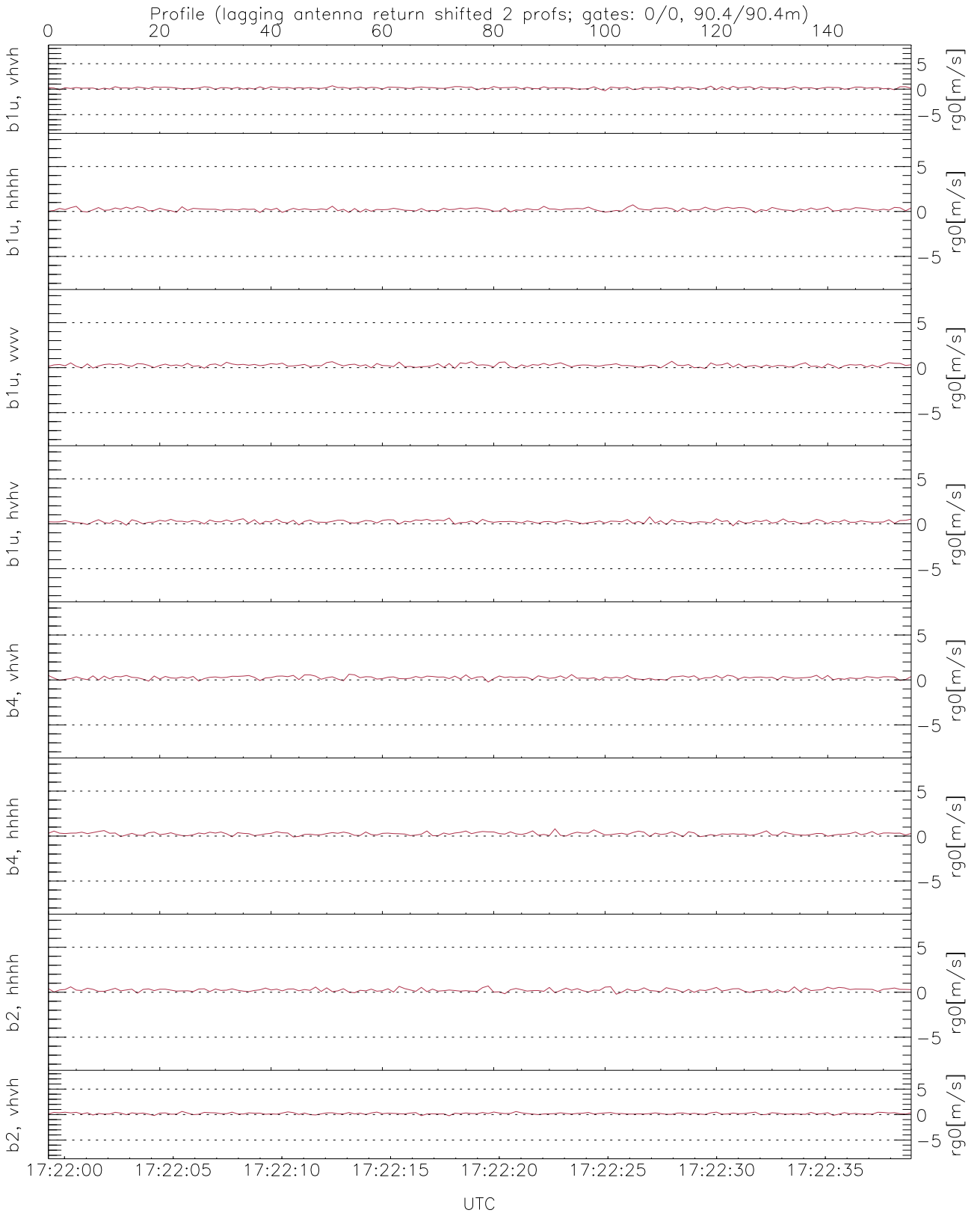
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (90 m)

	Min	Max	Mean
up/down (dB)	-0.44	0.82	0.20
down/down-fore (dB)	-0.79	0.39	-0.21



WCR3 FF4 Doppler Velocity Products at 90.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-7.62	7.43	0.42	3.55
b1u, hhhh(rg0[m/s])	-7.56	7.72	-0.09	2.82
b1u, vvvv(rg0[m/s])	-7.76	7.41	0.10	3.43
b1u, hvhv(rg0[m/s])	-7.30	7.21	-0.27	2.14
b4, vvhv(rg0[m/s])	-7.87	7.77	0.46	3.83
b4, hhhh(rg0[m/s])	-7.78	7.58	0.08	2.90
b2, hhhh(rg0[m/s])	-7.60	7.82	0.48	3.80
b2, vvhv(rg0[m/s])	-7.51	7.07	-0.17	2.50



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

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.30	0.66	0.25	0.16
b1u, hhhh(rg0[m/s])	-0.14	0.74	0.24	0.16
b1u, vvvv(rg0[m/s])	-0.09	0.70	0.27	0.17
b1u, hvhv(rg0[m/s])	-0.22	0.77	0.24	0.16
b4, vvhv(rg0[m/s])	-0.23	0.63	0.26	0.16
b4, hhhh(rg0[m/s])	-0.09	0.81	0.26	0.16
b2, hhhh(rg0[m/s])	-0.21	0.70	0.25	0.17
b2, vvhv(rg0[m/s])	-0.24	0.61	0.21	0.16