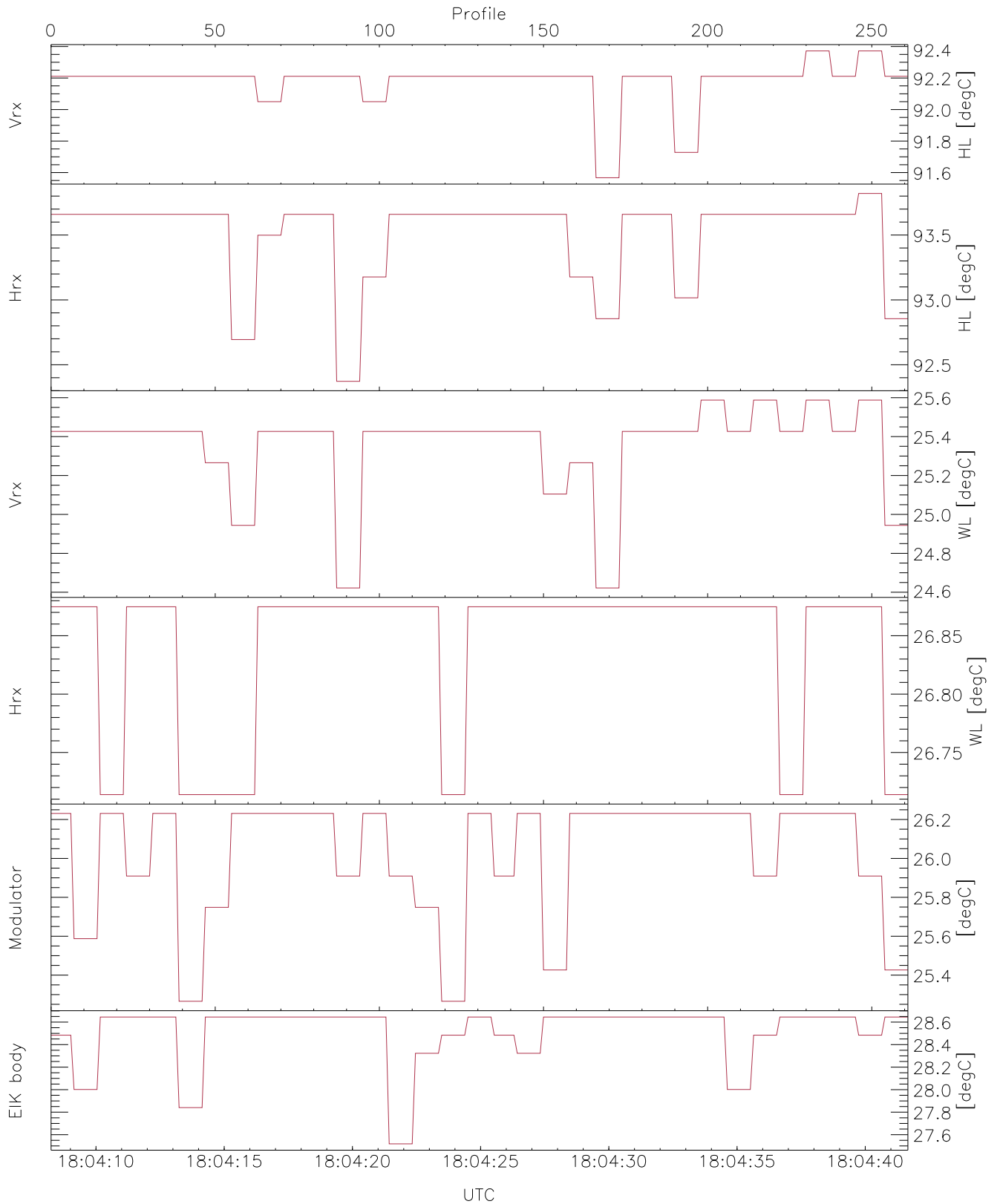


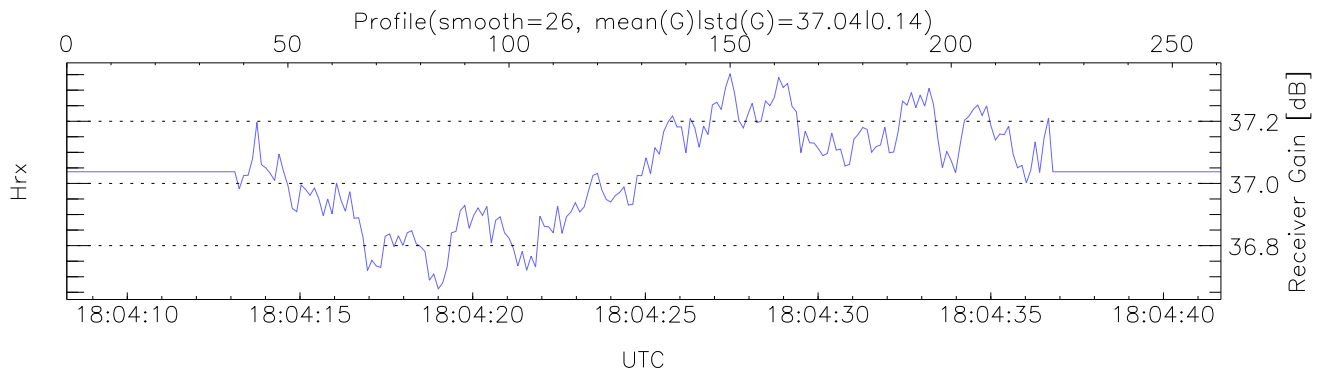
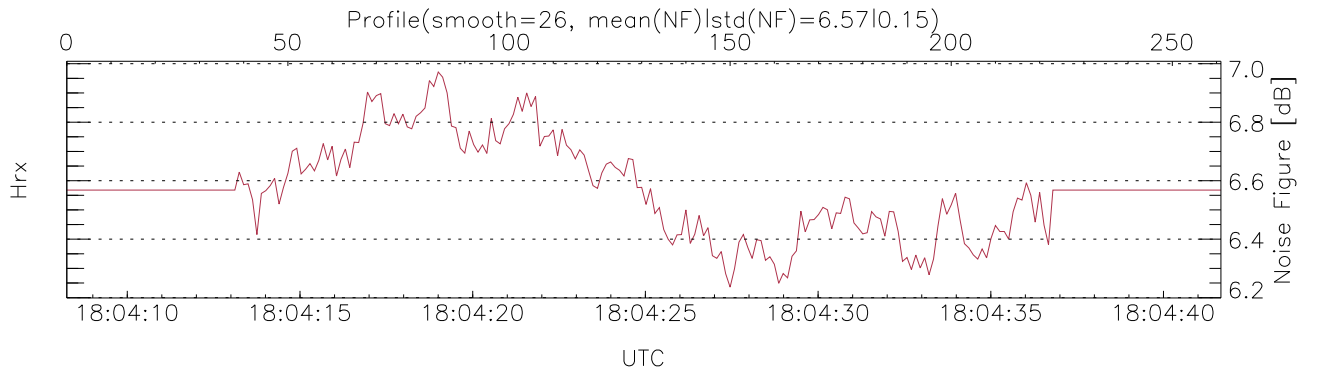
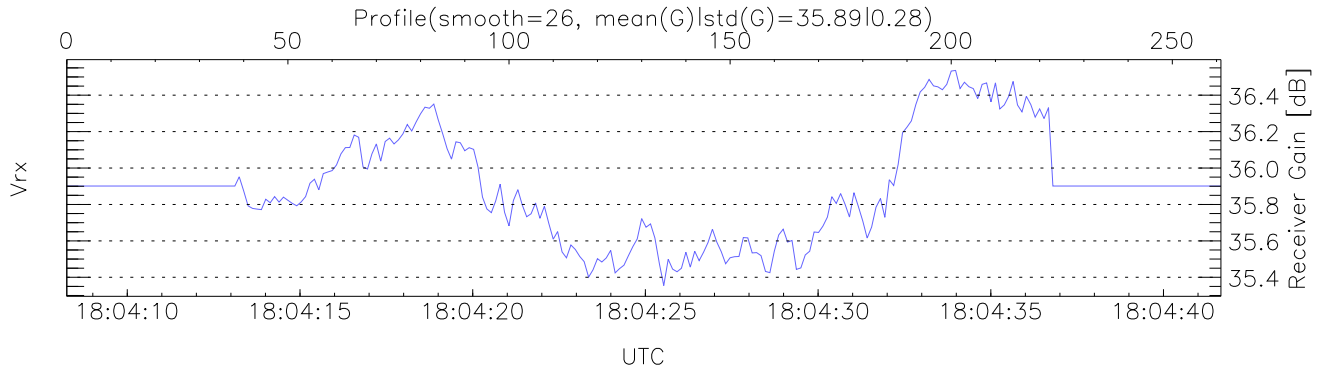
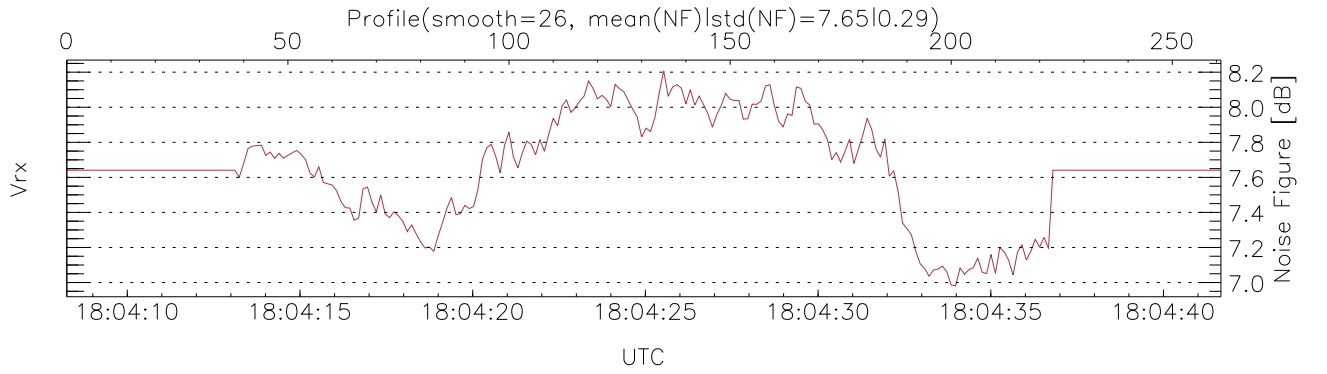
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:04:08-18:04:42, TimeCor: 0.00s, Dur: 33.42s
 TimeFlg: 1, TFPstatus constant.
 TimeInt/PPS(min,max,mn,std): 128.0,128.0,128.0,0.0 ms / 7.8,7.8,7.8
 NumRec(r/t): 262/262, 0-261/18:04:08-18:04:42
 AcqTime: 128.0ms, Rate: 5.751MB/s, Averages (req.,actual): 10,10
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 V1 H2 V2
 PRF: 20.0 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
 Range(min,max,rqs): 105, 6288, 15.0 m, Gates: 413, Aspect: 1.3
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1
 FFTlen: 64, FFTwin: rectangular, # averagedFFT: 10, cr-polFFT: YES
 FFTres: 0.493,0.493,0.493,0.493,0.493,0.493 m/s, PulsePairCalc: YES



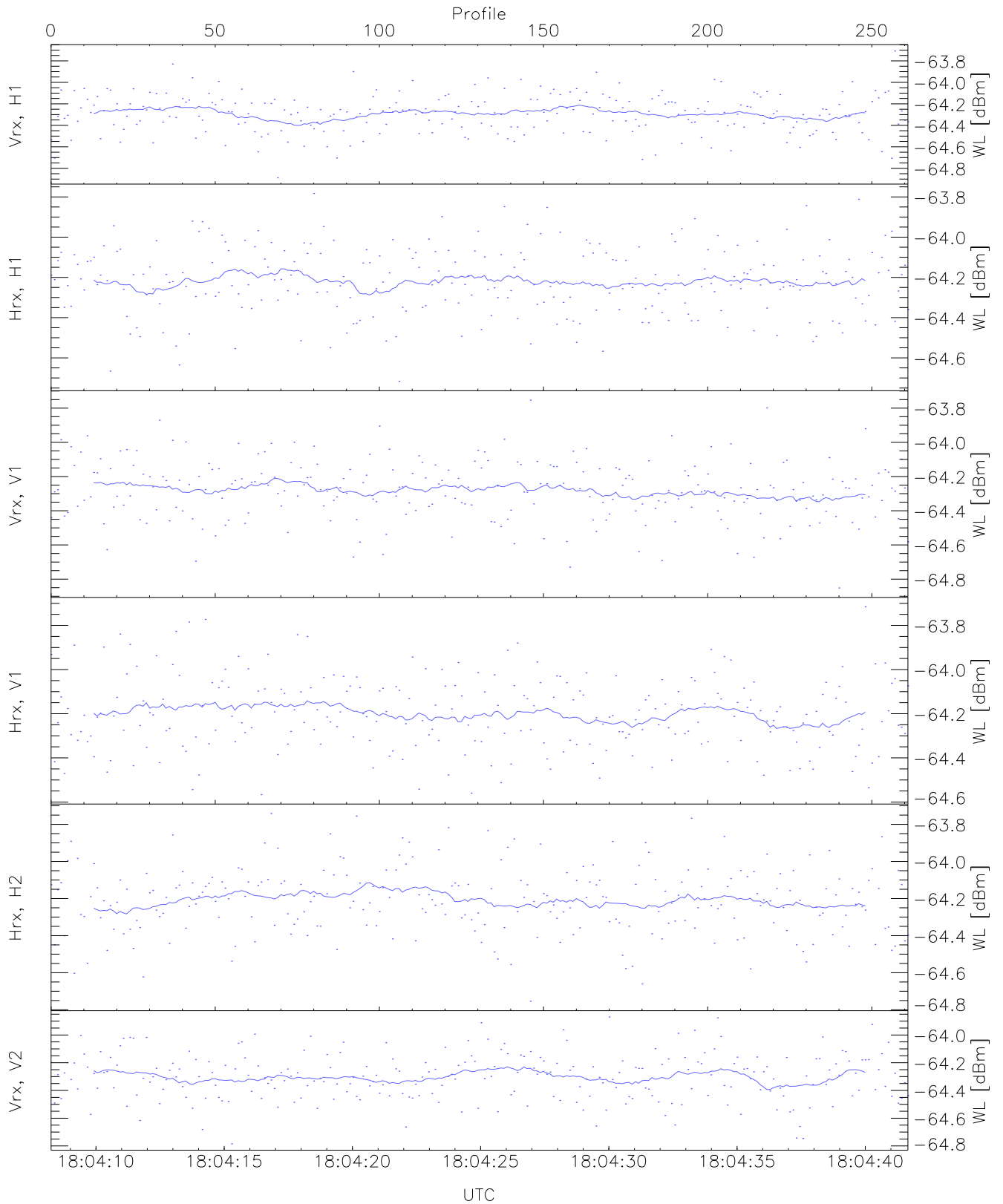
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,24,26,25,27
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,25,26,26,28
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



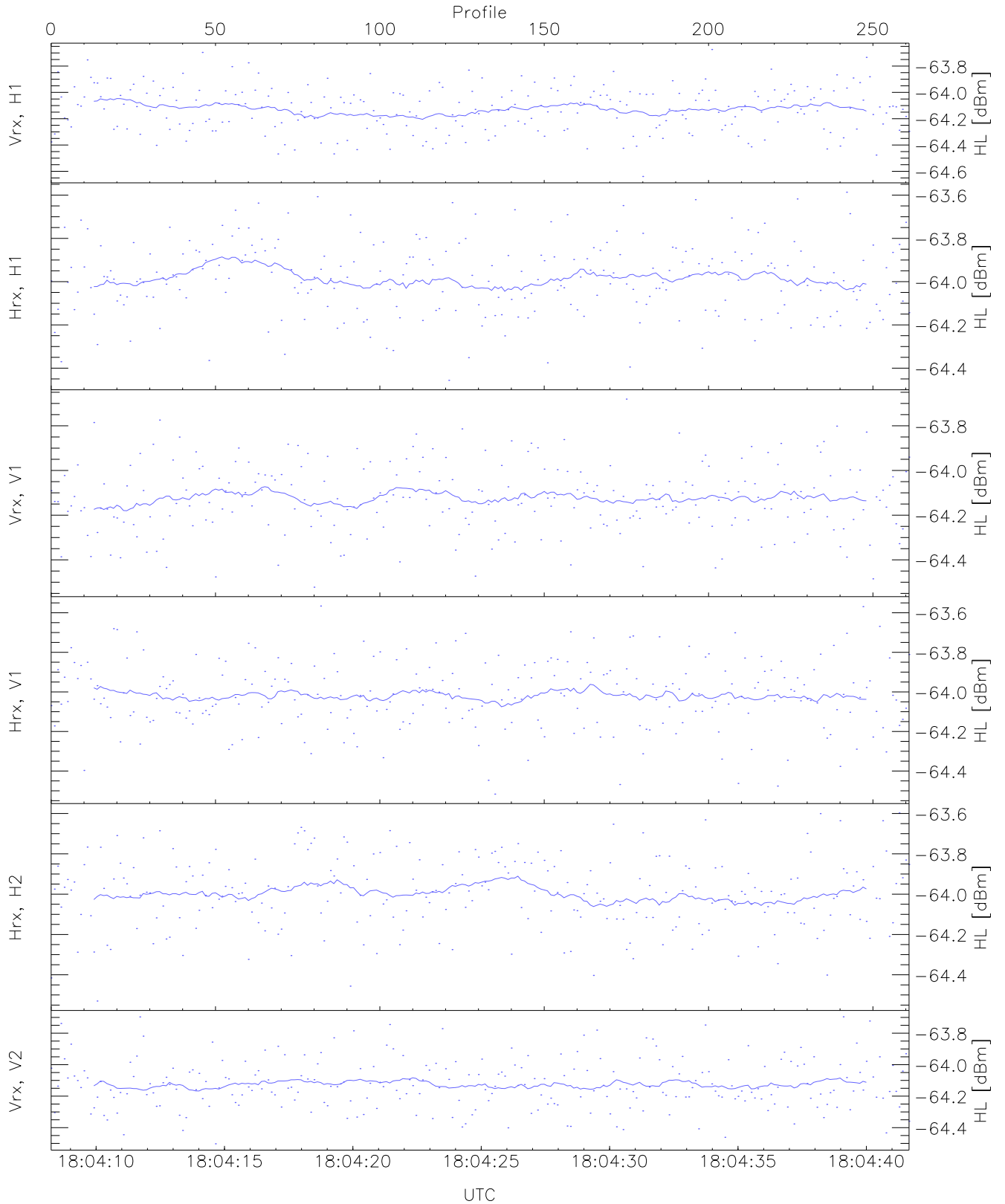
WCR3 FF4 Receivers Gain and Noise Figure

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



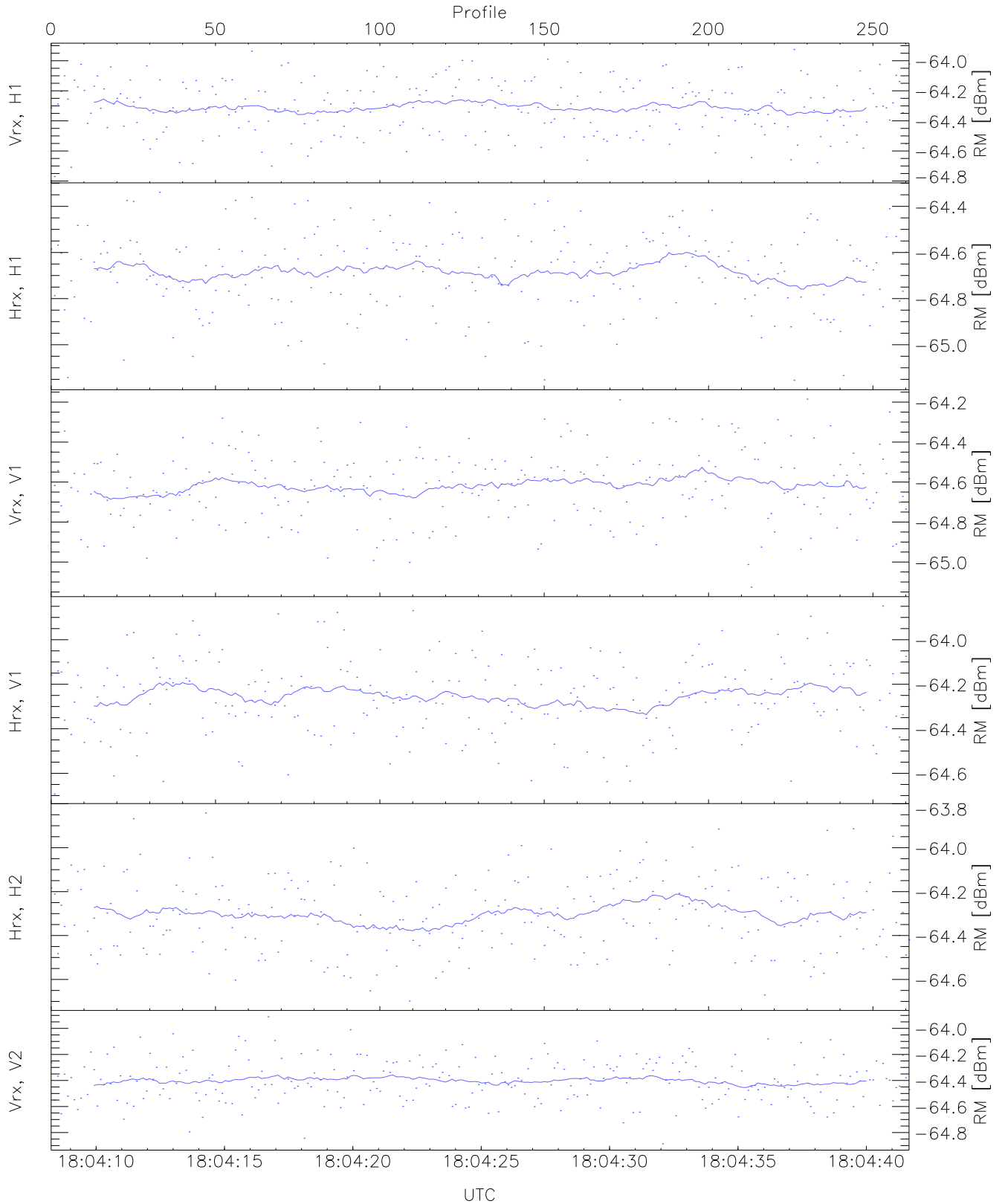
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.89	-63.71	-64.29	-64.28	-78.19
Hrx, H1 (WL [dBm])	-64.72	-63.78	-64.22	-64.23	-78.30
Vrx, V1 (WL [dBm])	-64.85	-63.75	-64.28	-64.28	-78.28
Hrx, V1 (WL [dBm])	-64.57	-63.72	-64.20	-64.21	-78.40
Hrx, H2 (WL [dBm])	-64.75	-63.74	-64.21	-64.21	-78.05
Vrx, V2 (WL [dBm])	-64.79	-63.87	-64.30	-64.30	-78.46



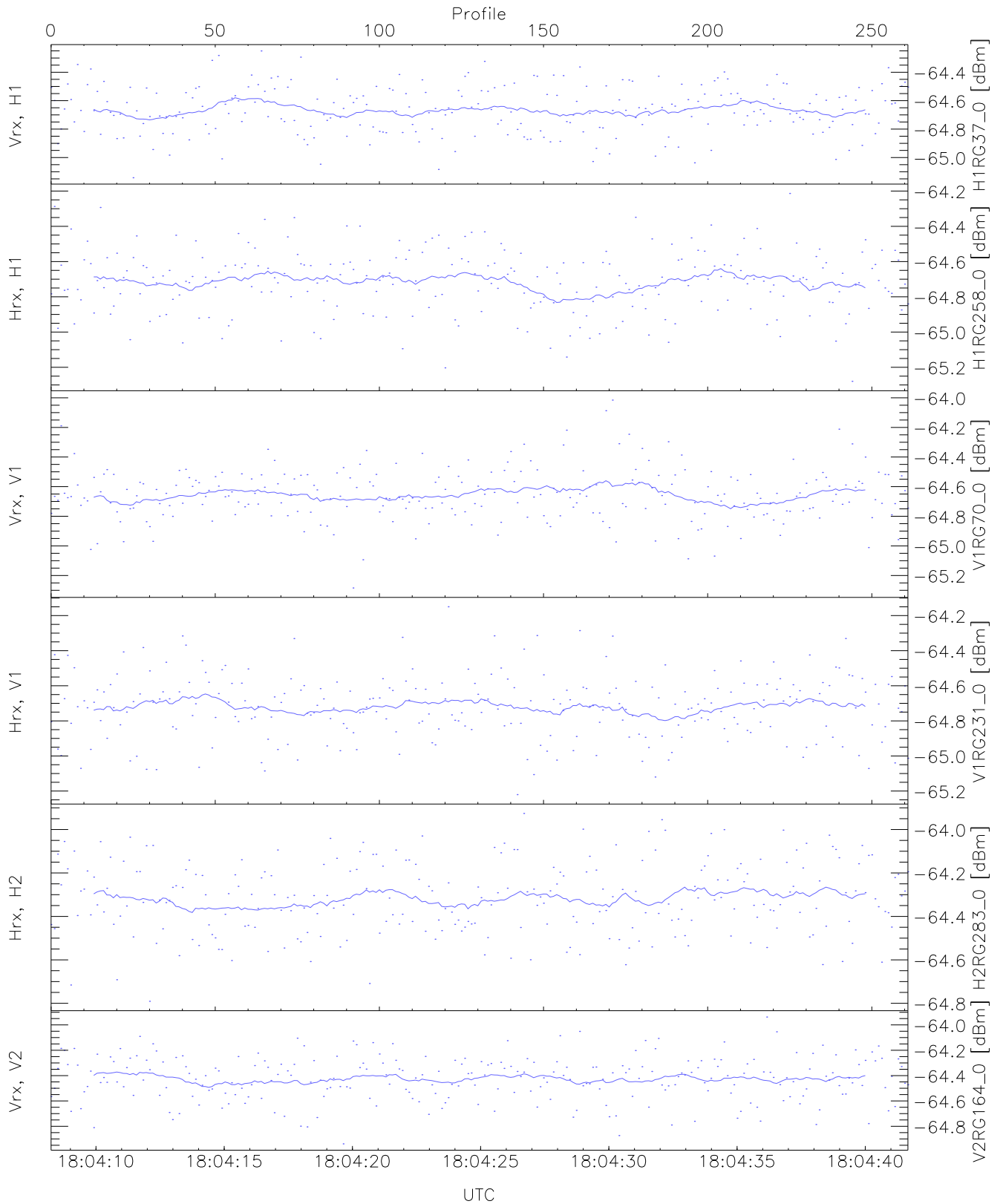
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.64	-63.67	-64.12	-64.11	-78.20
Hrx, H1 (HL [dBm])	-64.46	-63.59	-63.98	-63.99	-78.12
Vrx, V1 (HL [dBm])	-64.52	-63.68	-64.12	-64.13	-78.63
Hrx, V1 (HL [dBm])	-64.52	-63.57	-64.01	-64.02	-78.04
Hrx, H2 (HL [dBm])	-64.53	-63.60	-63.99	-63.99	-77.92
Vrx, V2 (HL [dBm])	-64.50	-63.70	-64.12	-64.14	-78.53



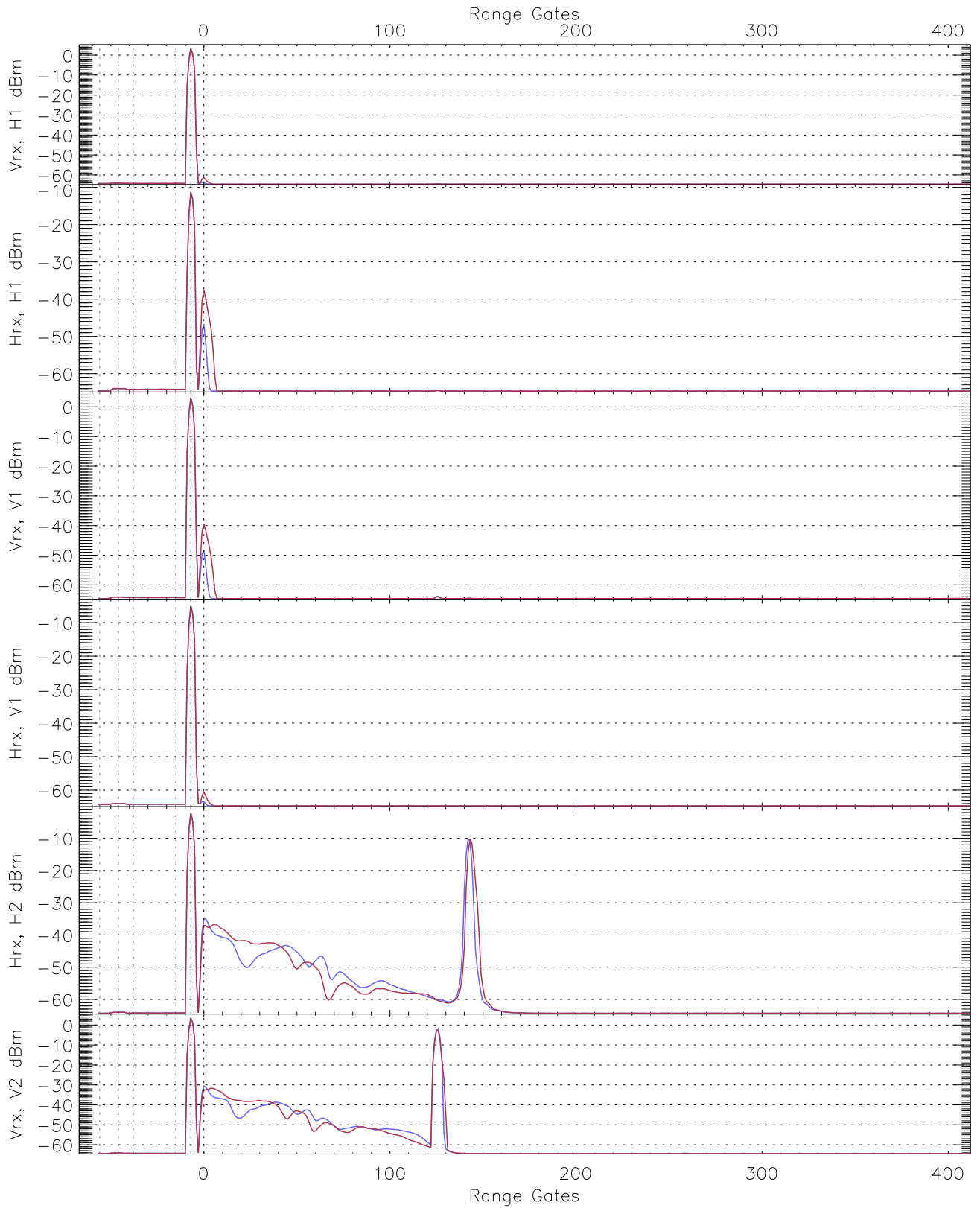
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.77	-63.93	-64.31	-64.31	-78.27
Hrx, H1 (RM [dBm])	-65.15	-64.34	-64.68	-64.66	-78.79
Vrx, V1 (RM [dBm])	-65.13	-64.19	-64.62	-64.62	-78.57
Hrx, V1 (RM [dBm])	-64.69	-63.85	-64.25	-64.25	-78.39
Hrx, H2 (RM [dBm])	-64.70	-63.84	-64.30	-64.31	-78.47
Vrx, V2 (RM [dBm])	-64.89	-63.91	-64.40	-64.41	-78.73

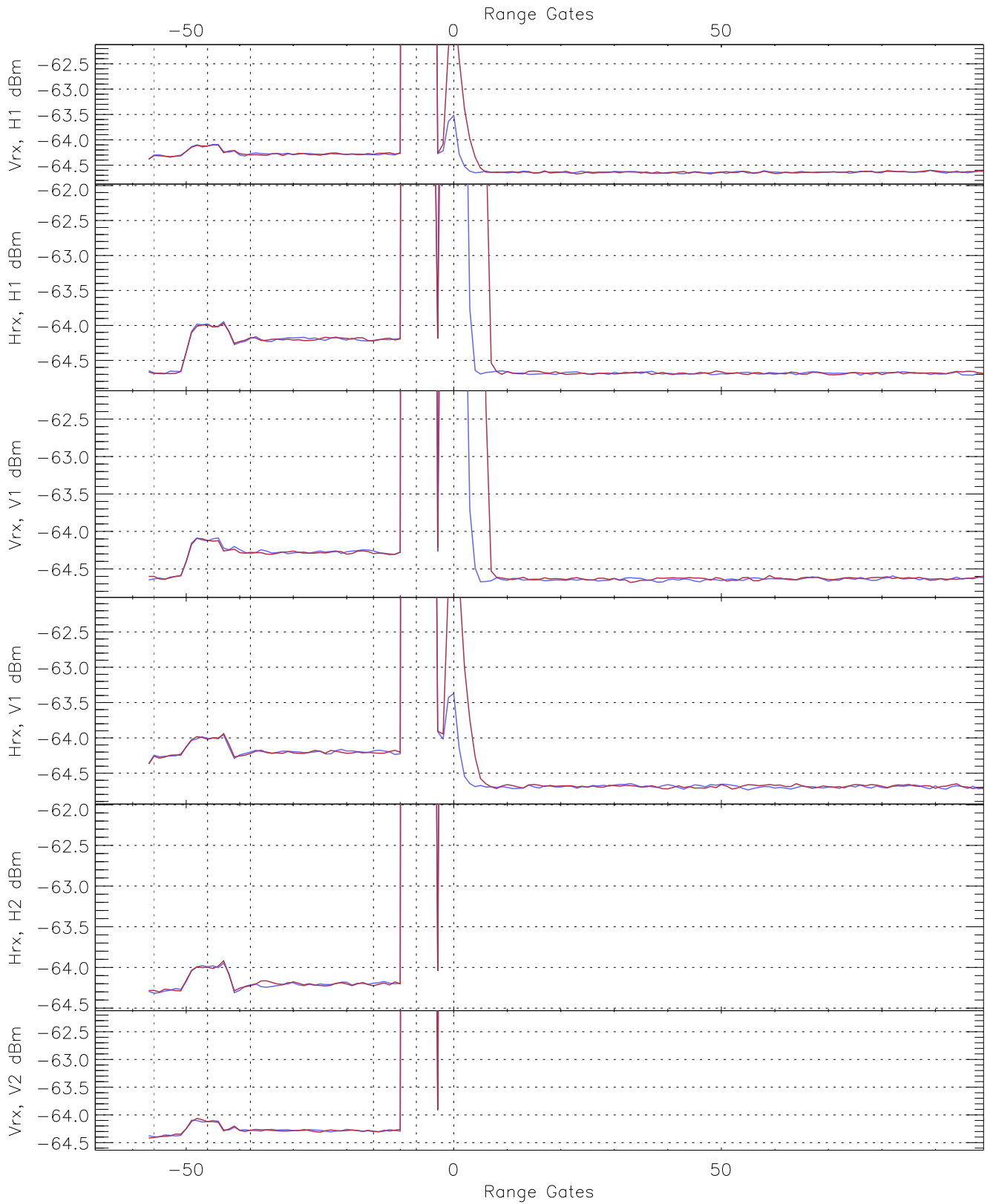


WCR3 FF4 "Best" estimate Receivers Noise Power

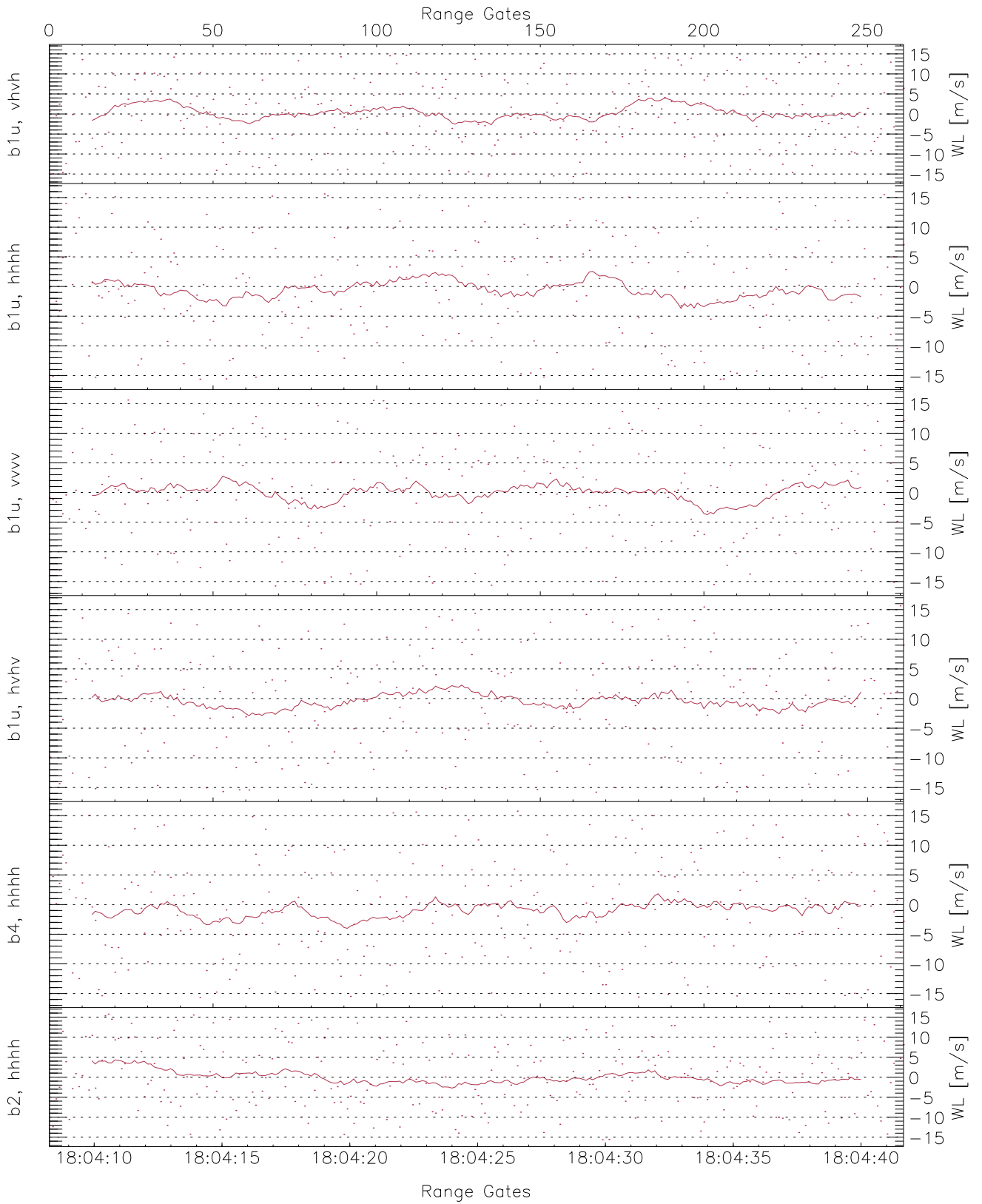
	Min	Max	Mean	Median	StDev
H1RG37_0 [dBm]	-65.14	-64.25	-64.66	-64.67	-78.84
H1RG258_0 [dBm]	-65.28	-64.21	-64.71	-64.71	-78.60
V1RG70_0 [dBm]	-65.28	-64.02	-64.65	-64.66	-78.57
V1RG231_0 [dBm]	-65.22	-64.15	-64.72	-64.71	-78.47
H2RG283_0 [dBm]	-64.79	-63.93	-64.31	-64.31	-78.50
V2RG164_0 [dBm]	-64.94	-63.94	-64.42	-64.42	-78.44



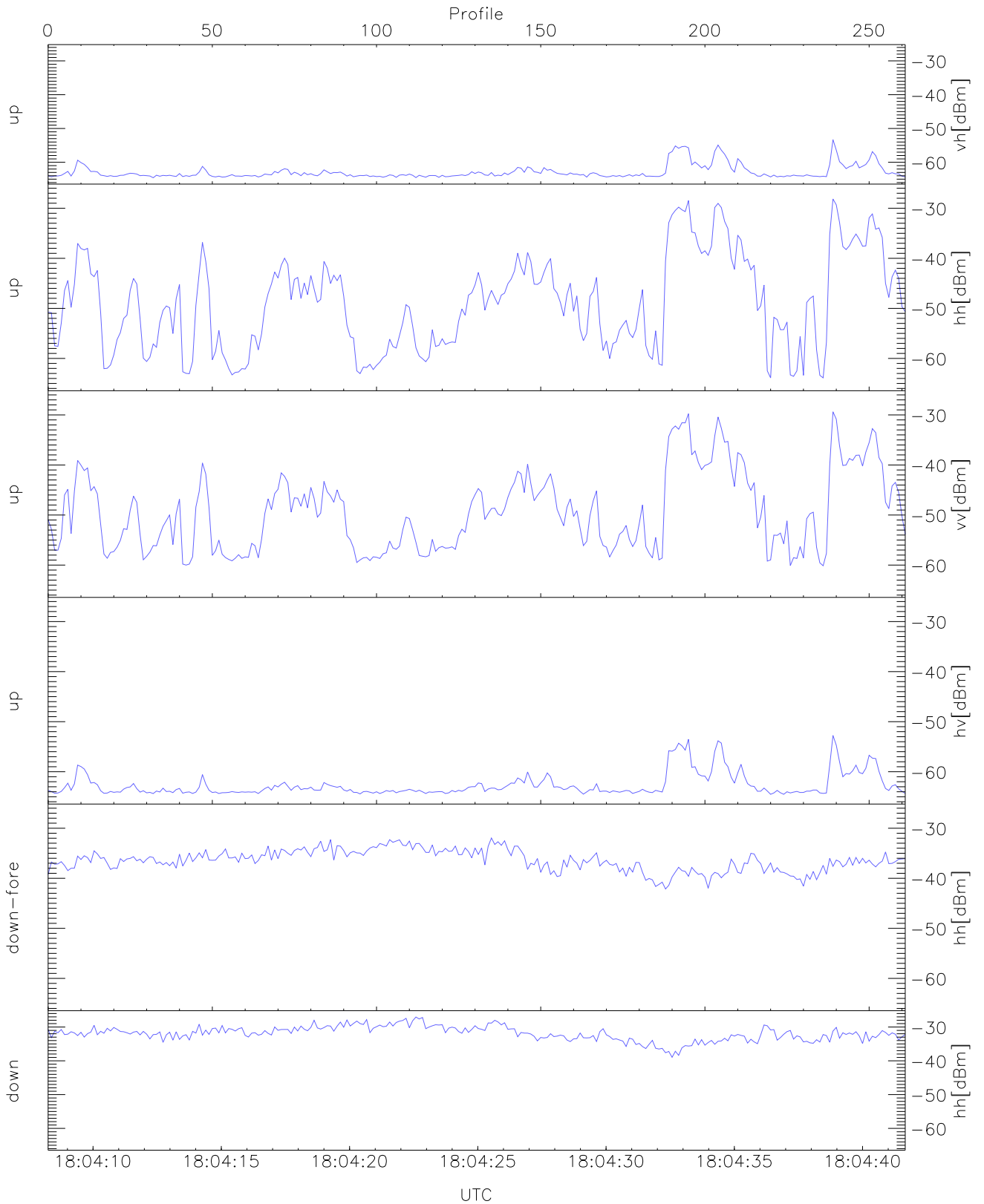
WCR3 FF4 Averaged Received power for all recorded gates
blue: 180408-180425, 132 profiles averaged
red: 180425-180442, 131 profiles averaged



WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate
blue: 180408-180425, 132 profiles averaged
red: 180425-180442, 131 profiles averaged

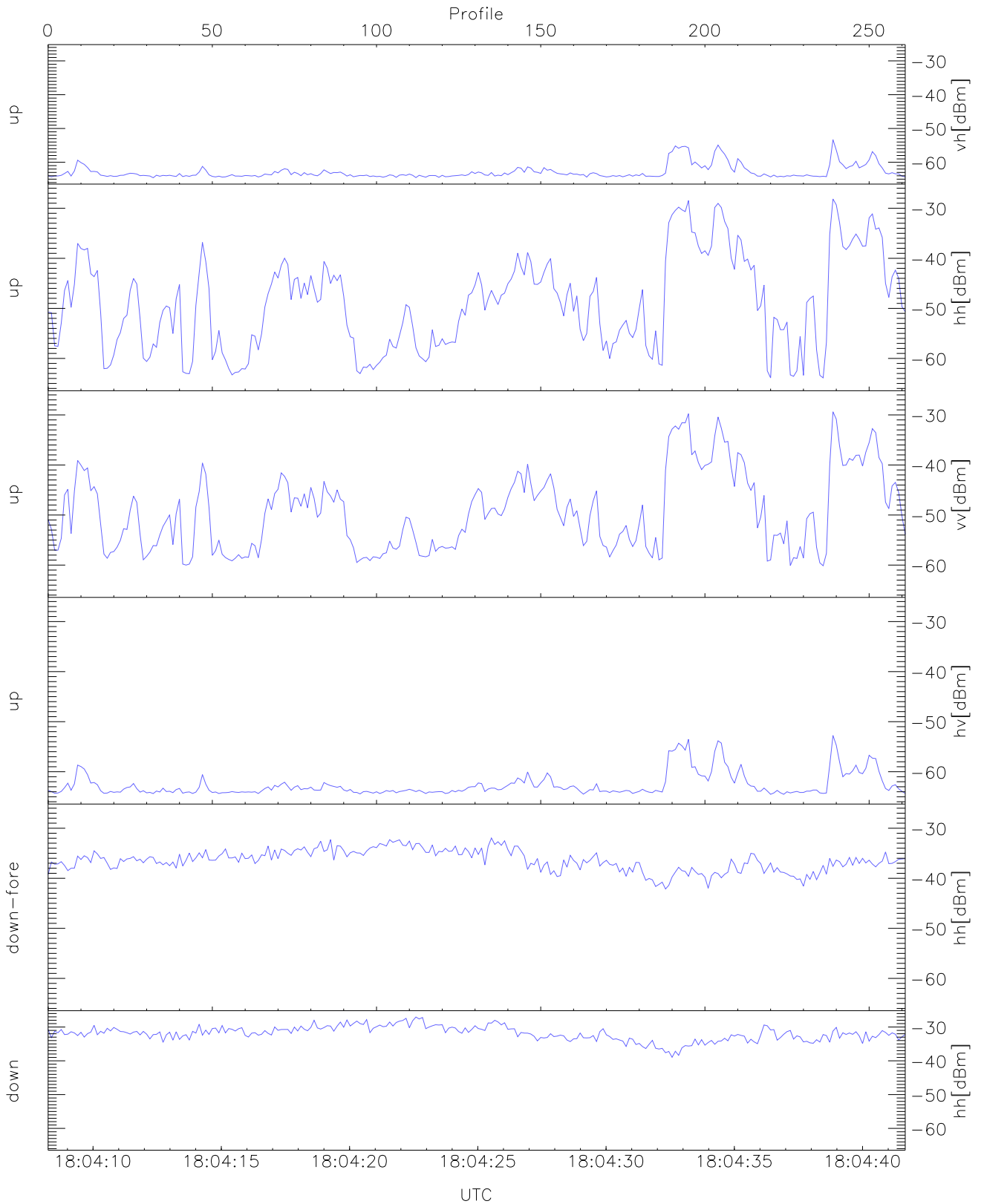


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



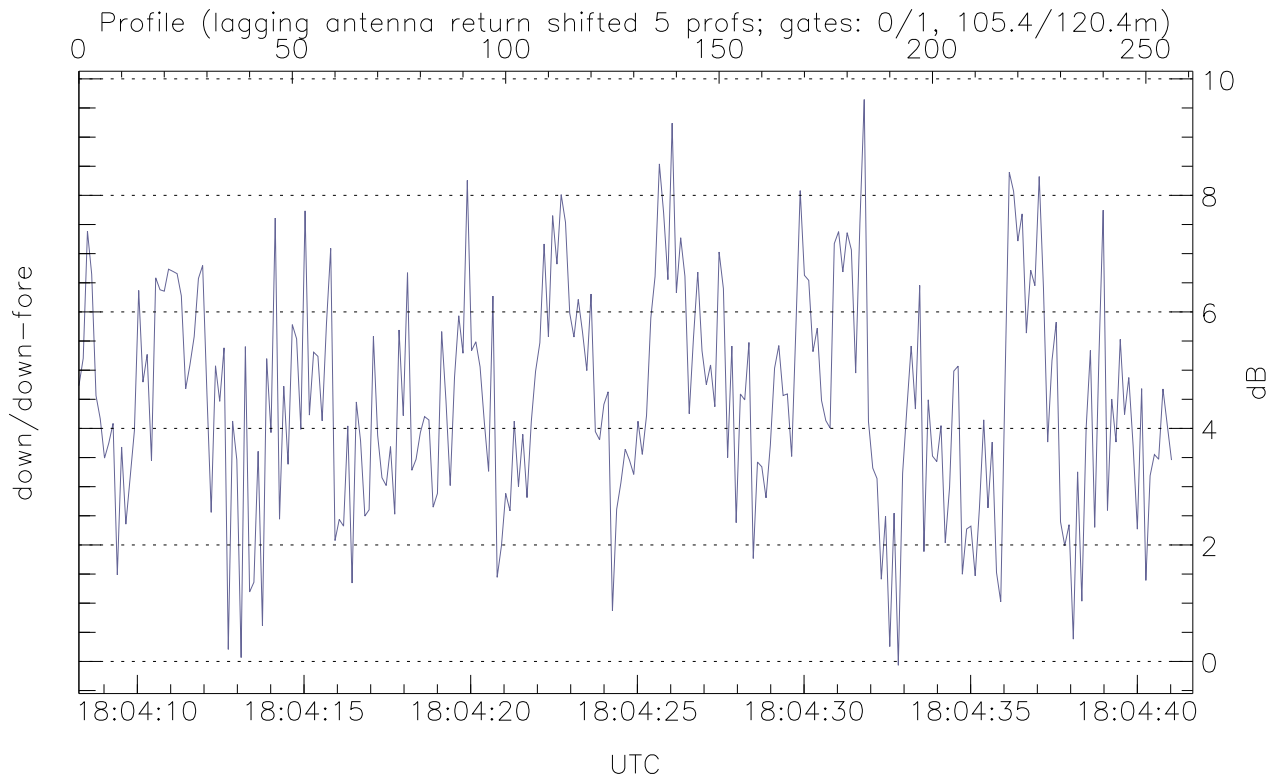
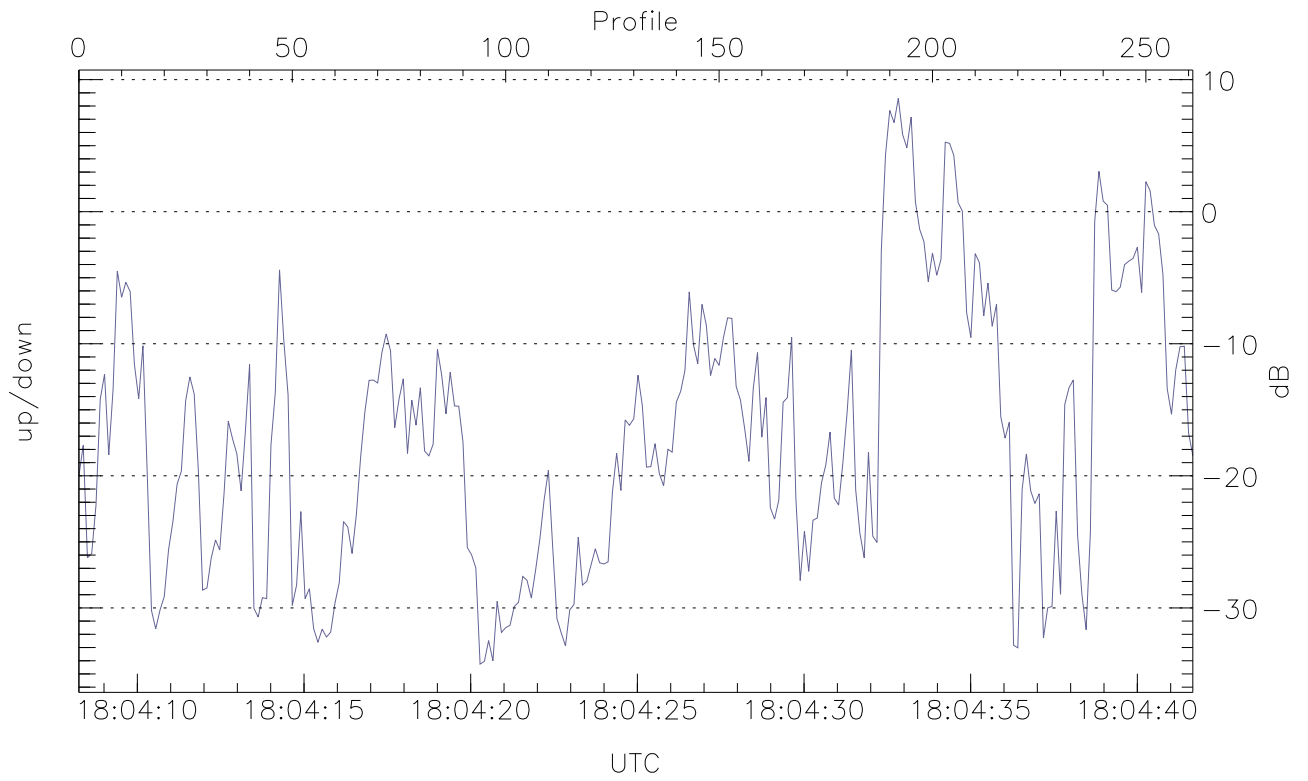
WCR3 FF4 Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.58	-53.28	-62.18
up(hh[dBm])	-63.89	-28.15	-40.16
up(vv[dBm])	-60.14	-29.37	-42.01
up(hv[dBm])	-64.51	-52.75	-61.72
down-fore(hh[dBm])	-42.13	-31.95	-35.96
down(hh[dBm])	-38.96	-27.05	-31.45



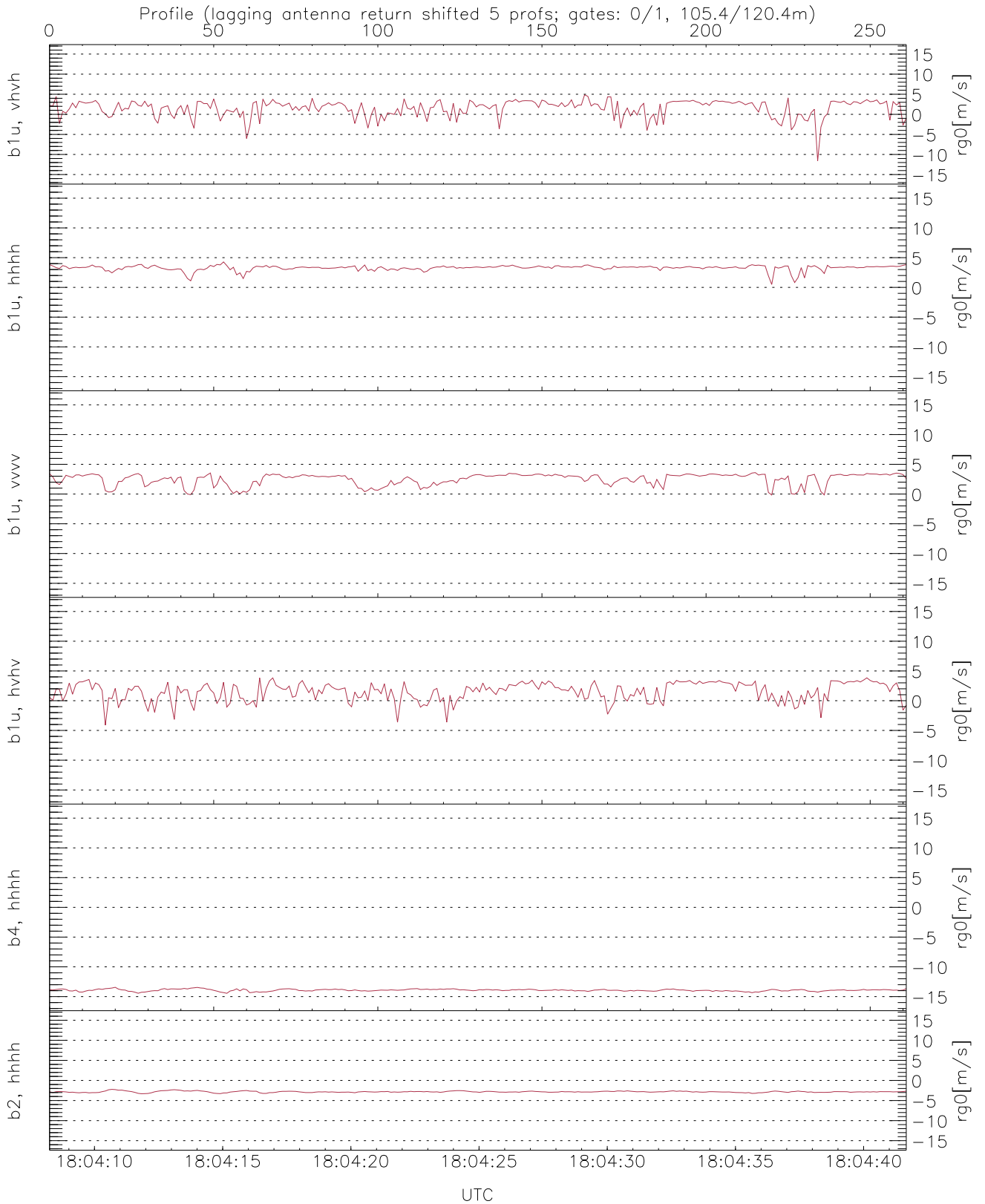
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.58	-53.28	-62.18
up(hh[dBm])	-63.89	-28.15	-40.16
up(vv[dBm])	-60.14	-29.37	-42.01
up(hv[dBm])	-64.51	-52.75	-61.72
down-fore(hh[dBm])	-42.13	-31.95	-35.96
down(hh[dBm])	-38.96	-27.05	-31.45



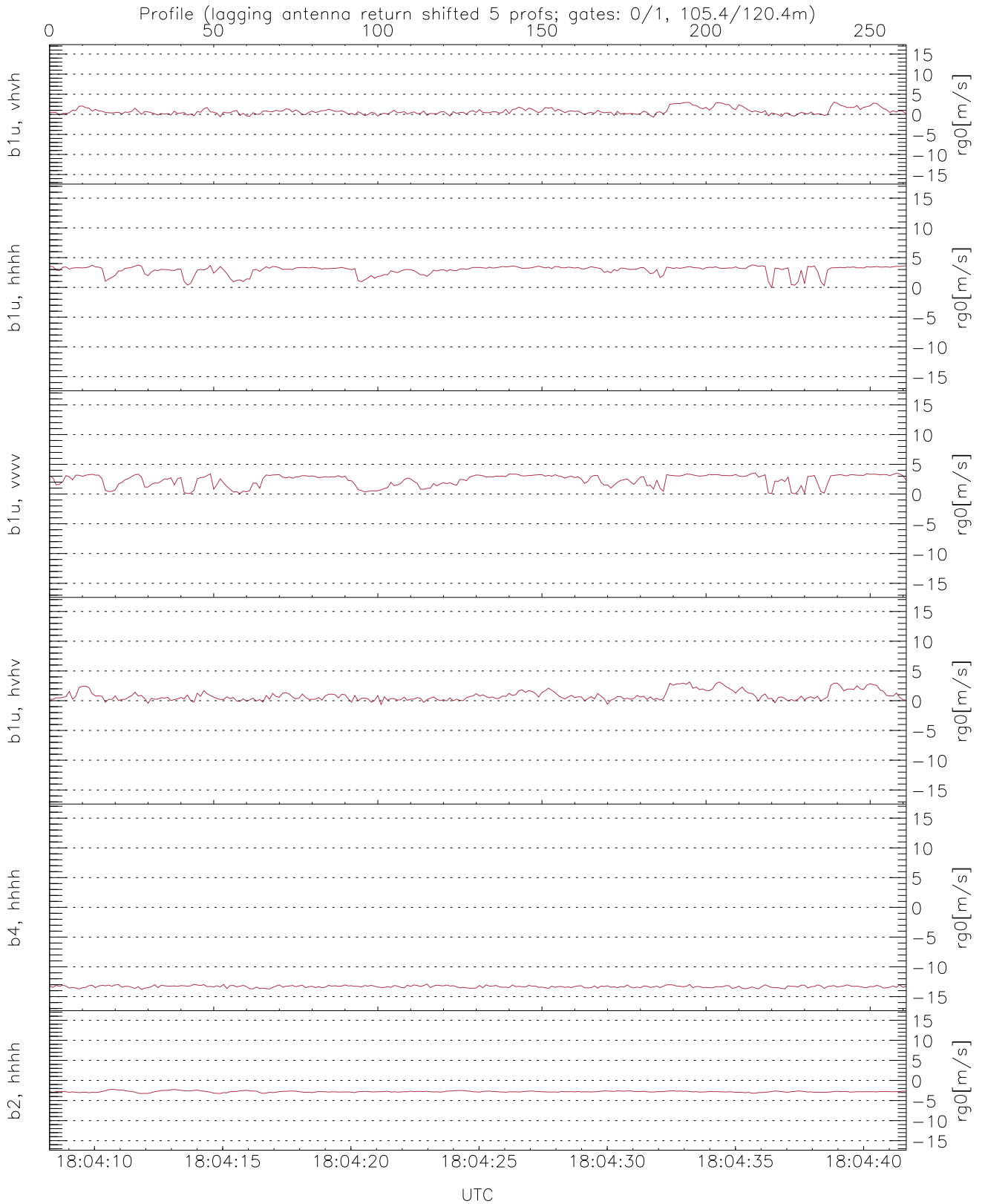
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

	Min	Max	Mean
up/down (dB)	-34.25	8.59	-17.04
down/down-fore (dB)	-0.07	9.65	4.50



WCR3 FF4 Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-11.59	4.88	1.49	2.12
b1u, hhhh(rg0[m/s])	0.49	4.29	3.27	0.46
b1u, vvvv(rg0[m/s])	-0.16	3.60	2.49	0.97
b1u, hvhv(rg0[m/s])	-4.11	3.84	1.51	1.56
b4, hhhh(rg0[m/s])	-14.45	-13.44	-13.92	0.17
b2, hhhh(rg0[m/s])	-3.31	-2.23	-2.82	0.18



WCR3 FF4 Doppler Velocity Products (psdmom1) at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.70	3.05	0.76	0.79
b1u, hhhh(rg0[m/s])	-0.07	3.78	2.92	0.75
b1u, vvvv(rg0[m/s])	0.04	3.55	2.36	0.98
b1u, hvhv(rg0[m/s])	-0.68	3.15	0.85	0.82
b4, hhhh(rg0[m/s])	-13.80	-12.89	-13.32	0.18
b2, hhhh(rg0[m/s])	-3.26	-2.20	-2.79	0.17