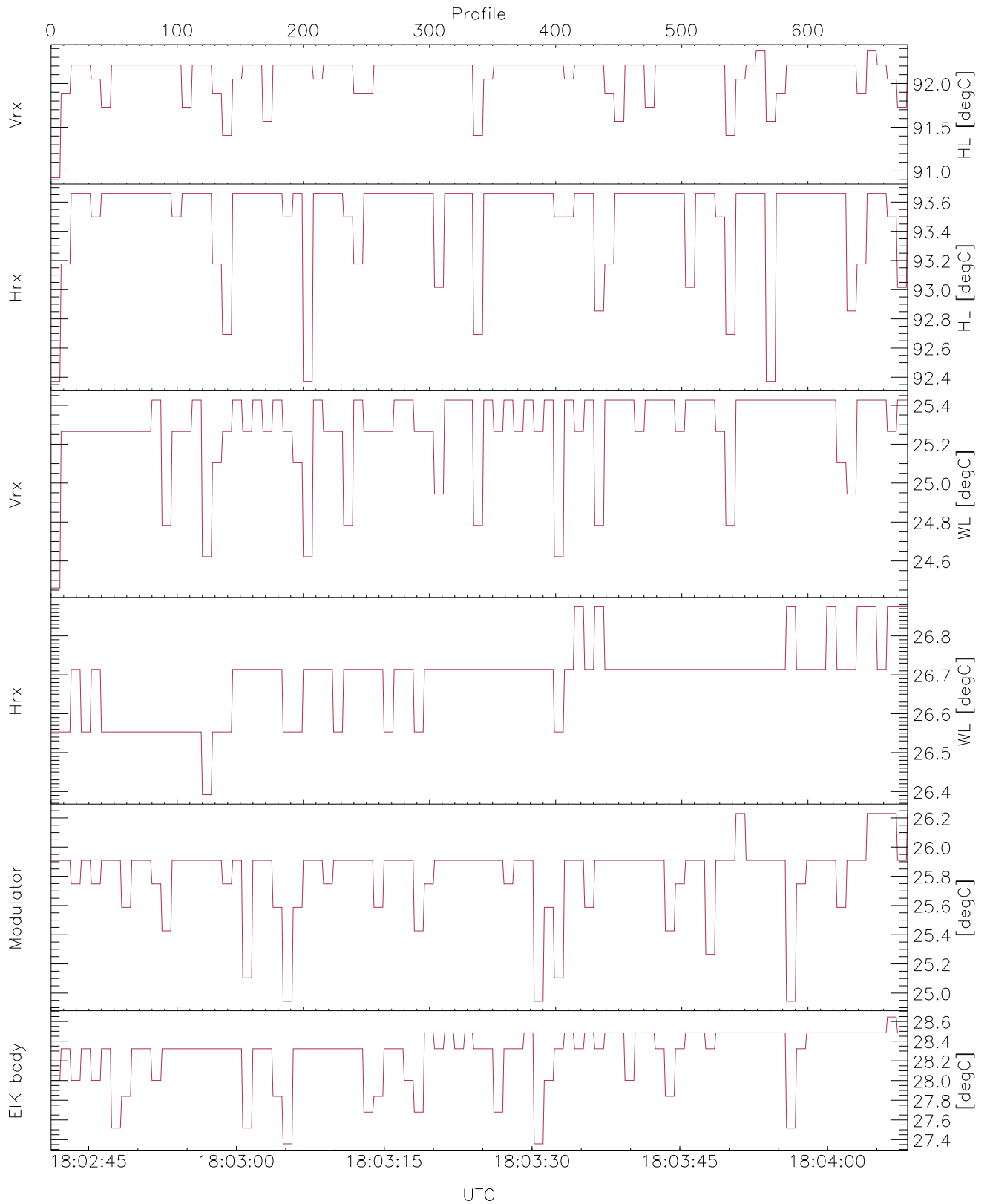


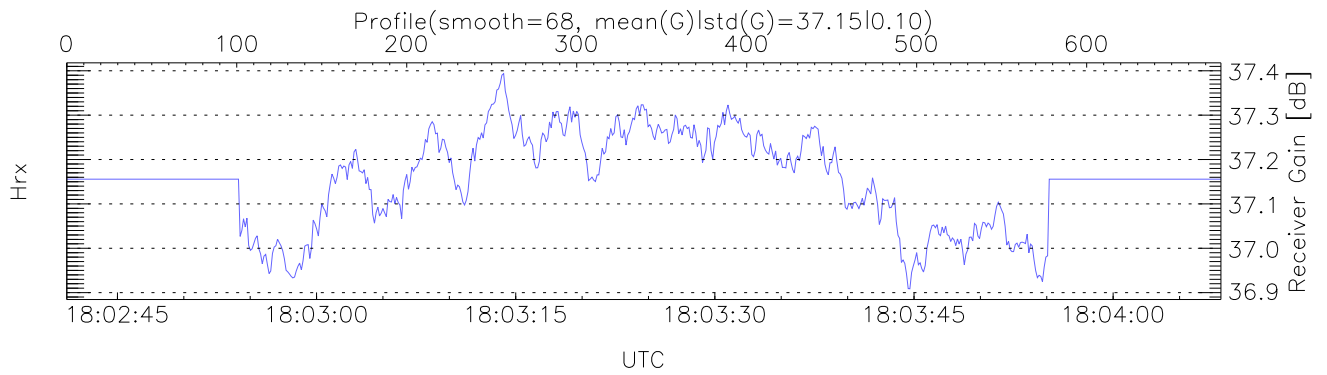
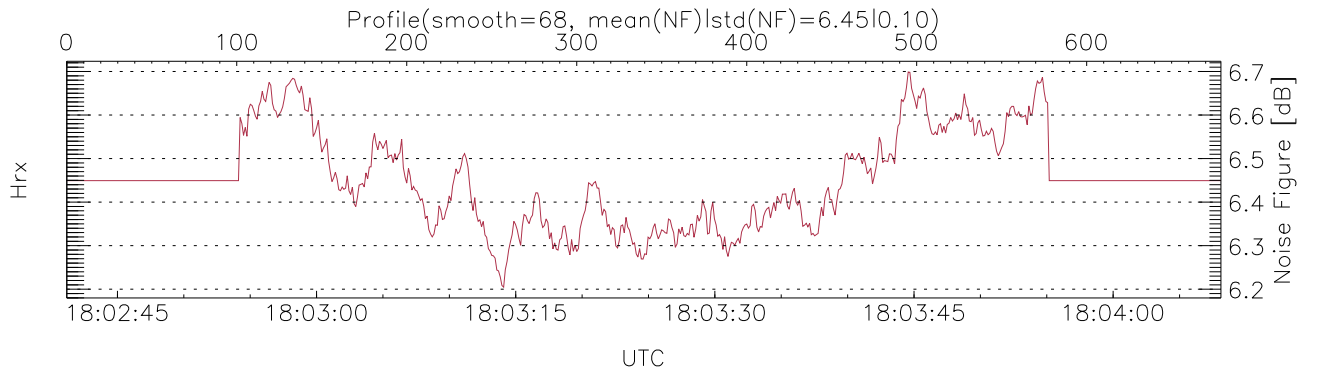
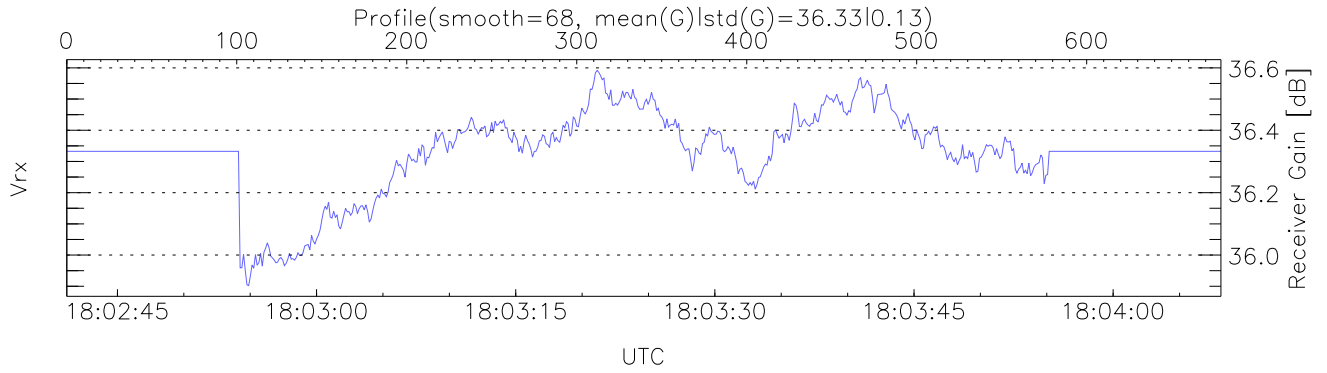
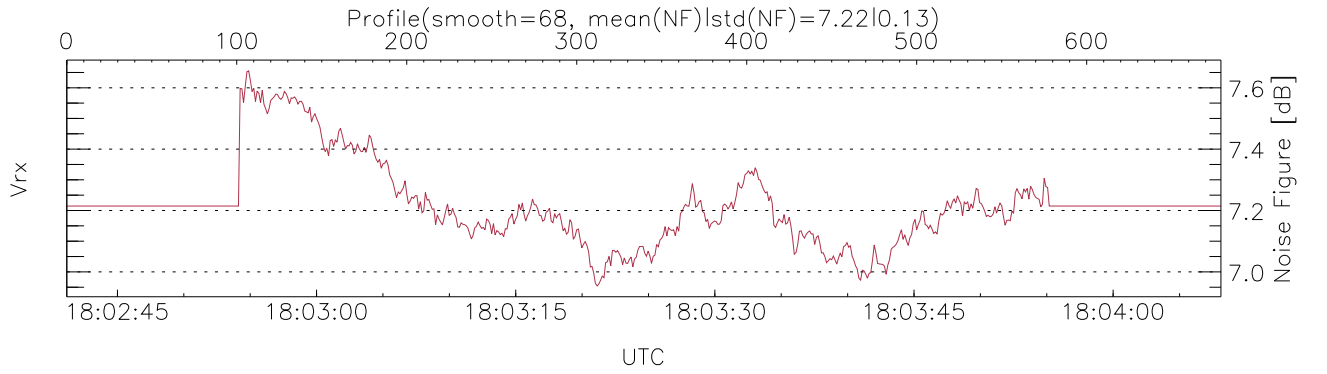
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:02:41-18:04:08, TimeCor: 0.00s, Dur: 86.93s
 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): 680/680, 0-679/18:02:41-18:04:08
 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



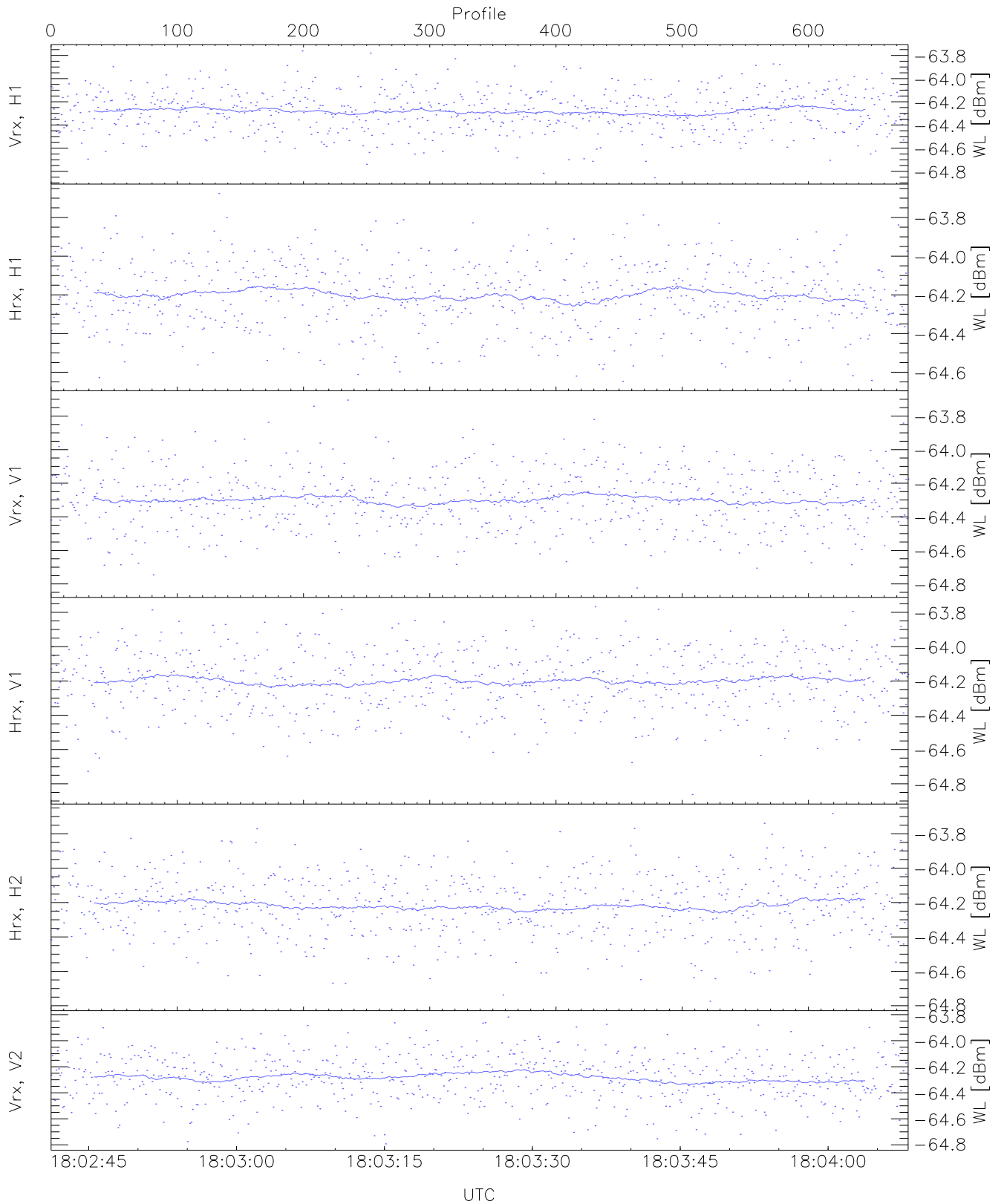
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,24,26,24,27
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,25,26,26,28
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



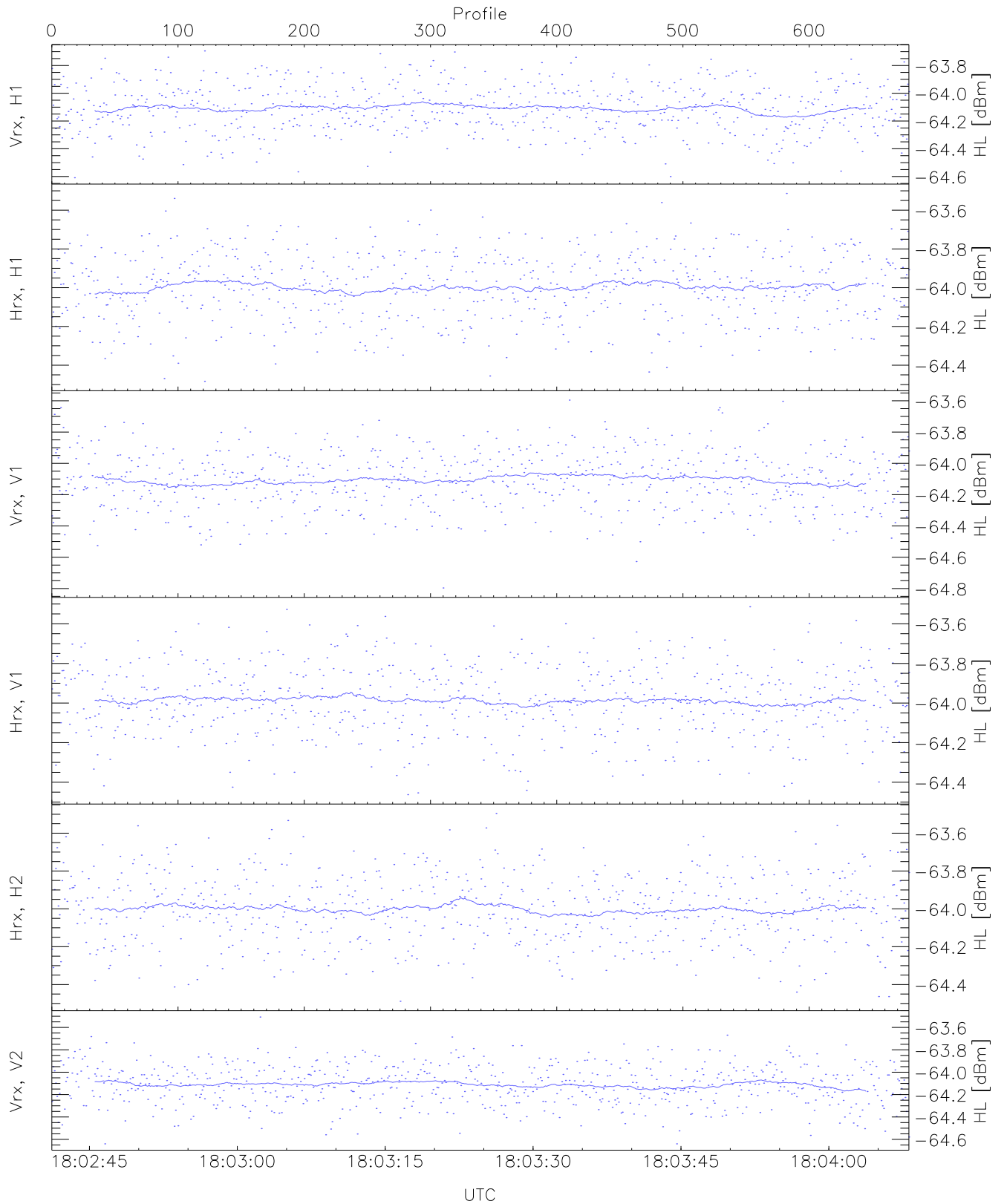
WCR3 FF4 Receivers Gain and Noise Figure

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



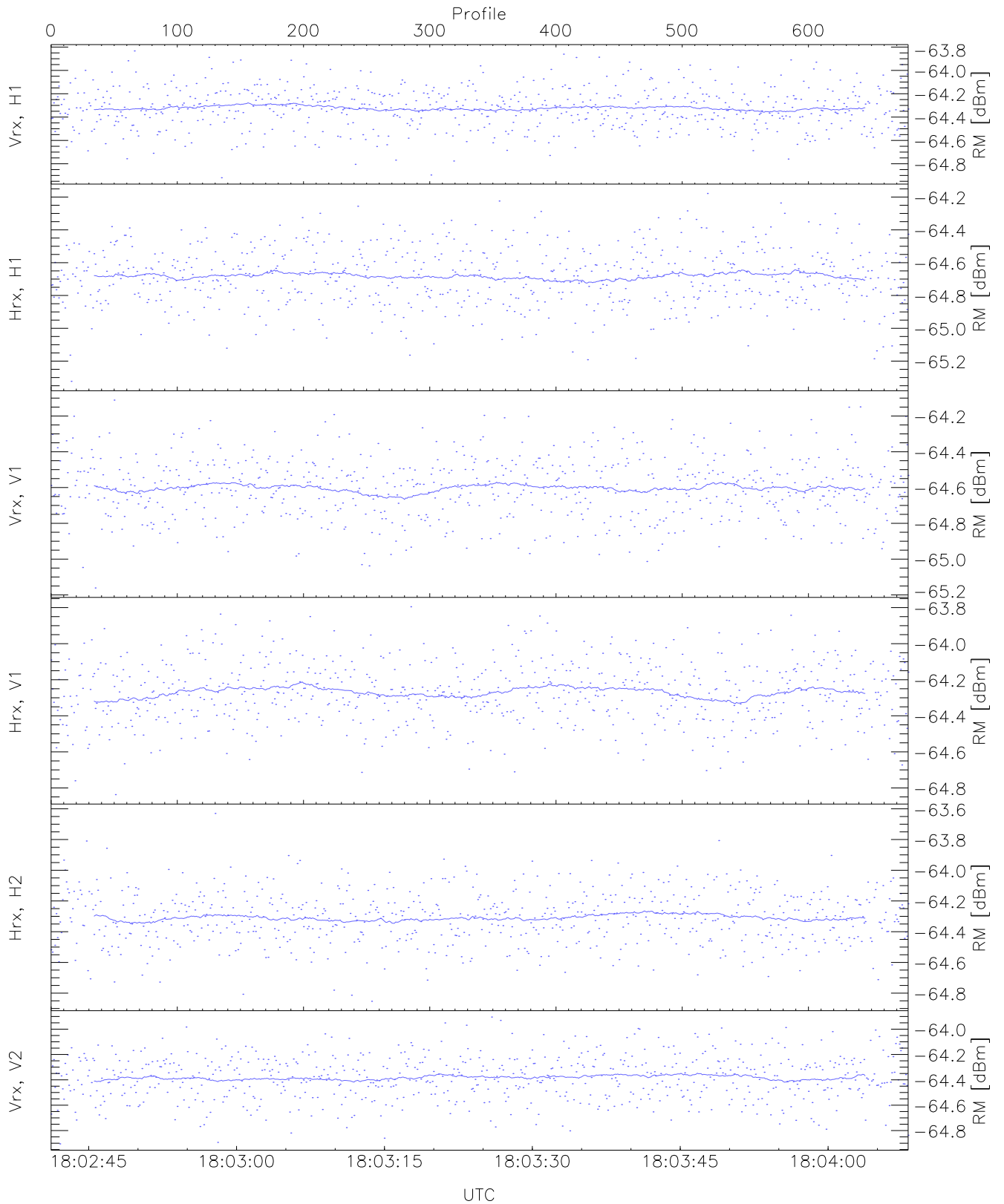
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.86	-63.76	-64.28	-64.28	-78.32
Hrx, H1 (WL [dBm])	-64.65	-63.68	-64.20	-64.20	-78.32
Vrx, V1 (WL [dBm])	-64.82	-63.71	-64.29	-64.30	-78.30
Hrx, V1 (WL [dBm])	-64.86	-63.77	-64.20	-64.20	-78.16
Hrx, H2 (WL [dBm])	-64.77	-63.68	-64.21	-64.21	-78.12
Vrx, V2 (WL [dBm])	-64.79	-63.82	-64.28	-64.28	-78.40



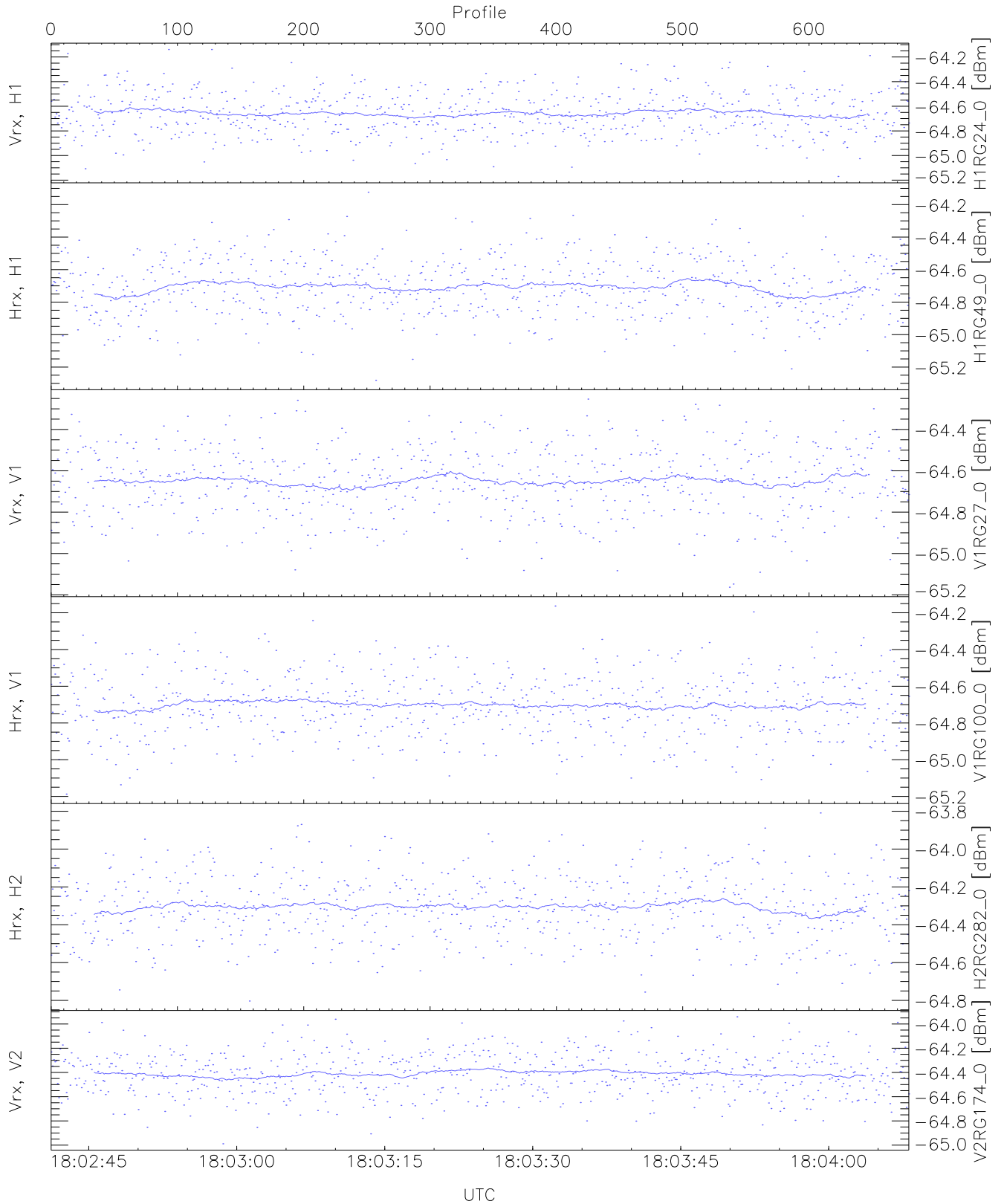
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.61	-63.69	-64.11	-64.11	-78.27
Hrx, H1 (HL [dBm])	-64.48	-63.51	-63.99	-63.99	-78.13
Vrx, V1 (HL [dBm])	-64.80	-63.60	-64.10	-64.10	-78.00
Hrx, V1 (HL [dBm])	-64.46	-63.51	-63.98	-63.99	-78.01
Hrx, H2 (HL [dBm])	-64.49	-63.50	-64.00	-64.00	-77.88
Vrx, V2 (HL [dBm])	-64.64	-63.51	-64.11	-64.11	-78.11



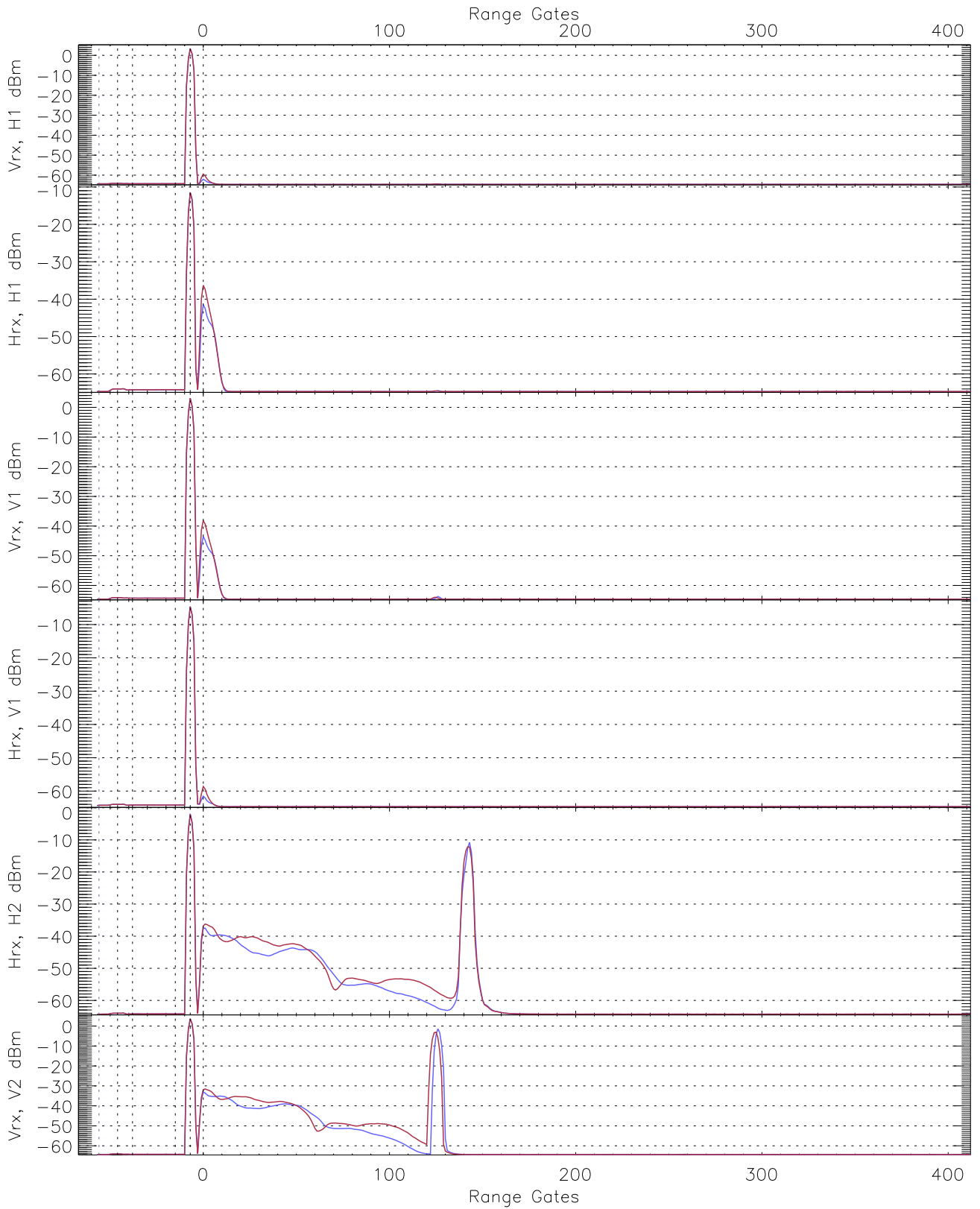
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.92	-63.83	-64.32	-64.33	-78.32
Hrx, H1 (RM [dBm])	-65.32	-64.18	-64.68	-64.68	-78.61
Vrx, V1 (RM [dBm])	-65.16	-64.11	-64.60	-64.60	-78.71
Hrx, V1 (RM [dBm])	-64.84	-63.80	-64.27	-64.27	-78.34
Hrx, H2 (RM [dBm])	-64.85	-63.63	-64.31	-64.30	-78.34
Vrx, V2 (RM [dBm])	-64.90	-63.90	-64.38	-64.38	-78.38

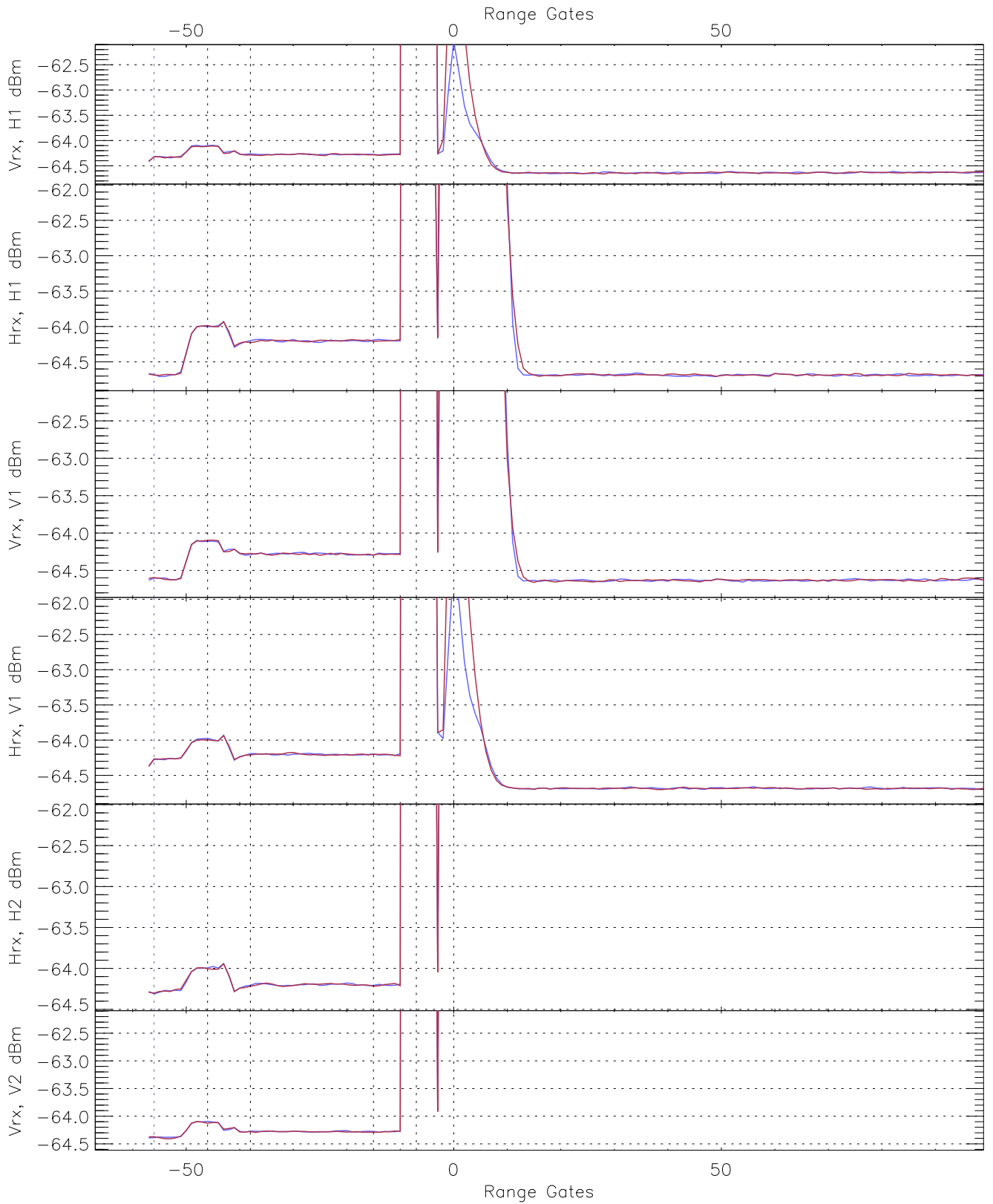


WCR3 FF4 "Best" estimate Receivers Noise Power

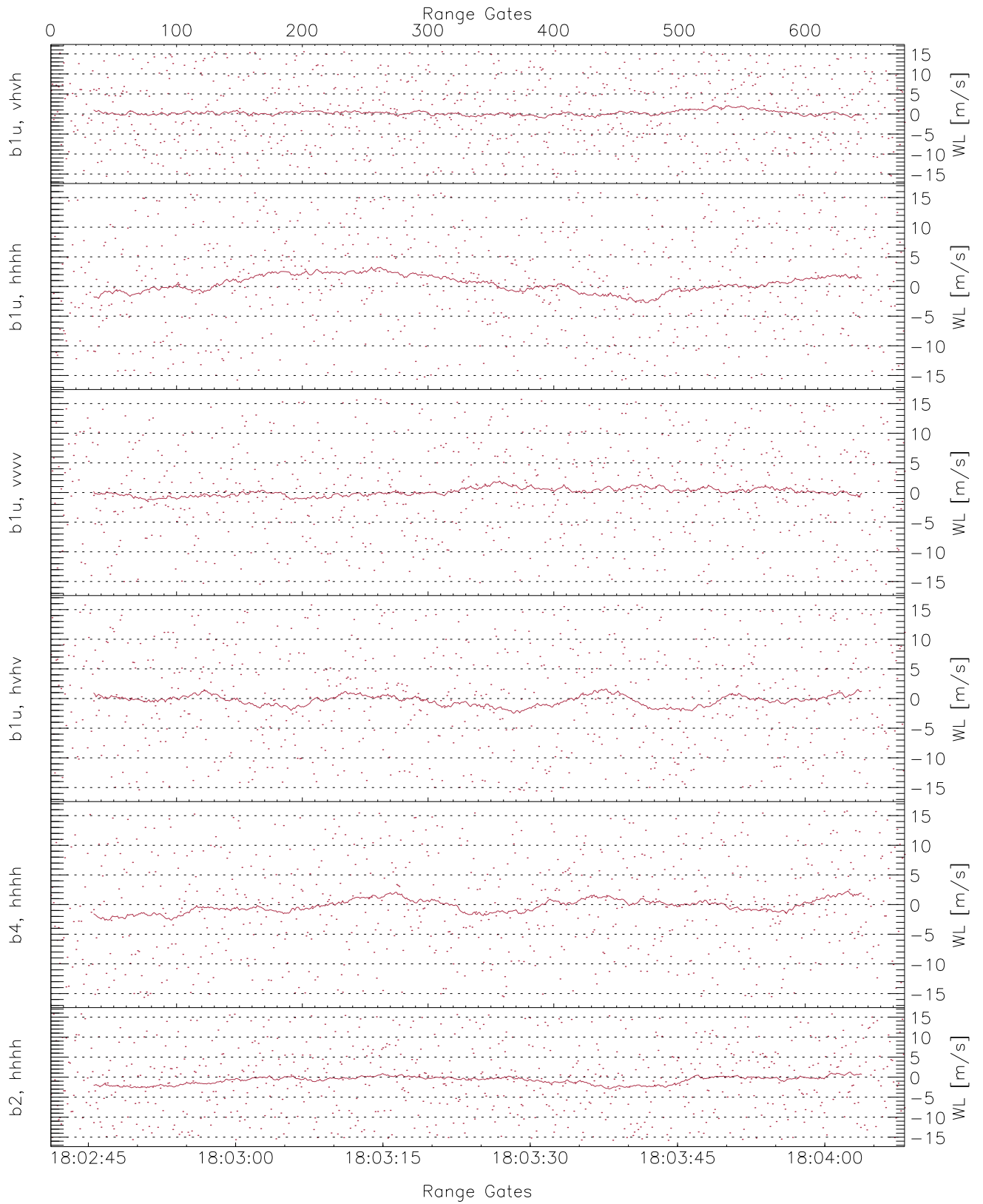
	Min	Max	Mean	Median	StDev
H1RG24_0 [dBm]	-65.17	-64.14	-64.65	-64.66	-78.79
H1RG49_0 [dBm]	-65.28	-64.12	-64.71	-64.71	-78.75
V1RG27_0 [dBm]	-65.16	-64.25	-64.65	-64.64	-79.01
V1RG100_0 [dBm]	-65.19	-64.16	-64.70	-64.71	-78.87
H2RG282_0 [dBm]	-64.80	-63.81	-64.31	-64.31	-78.51
V2RG174_0 [dBm]	-64.99	-63.94	-64.41	-64.41	-78.47



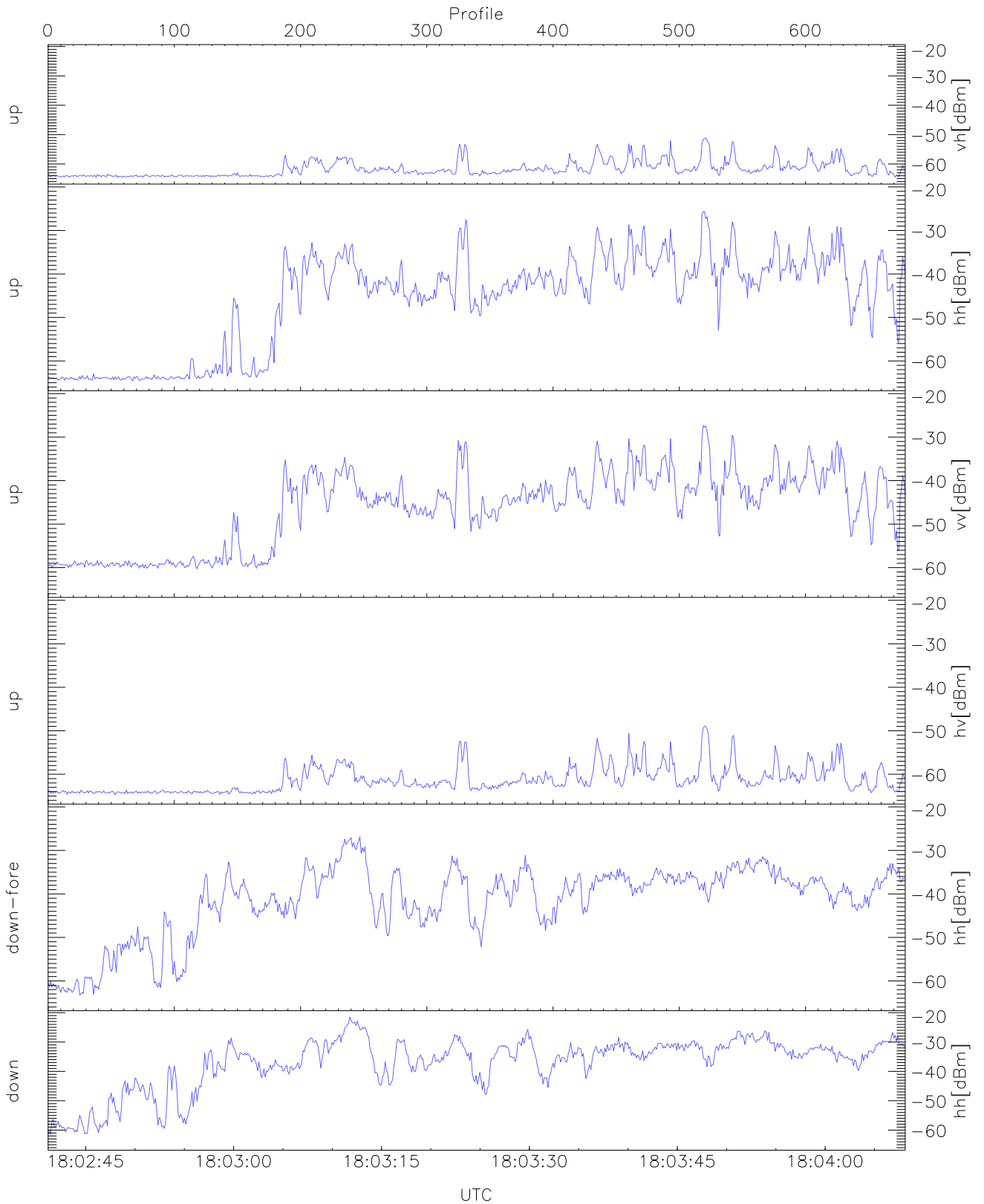
WCR3 FF4 Averaged Received power for all recorded gates
blue: 180241-180325, 341 profiles averaged
red: 180325-180408, 340 profiles averaged



WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate
blue: 180241-180325, 341 profiles averaged
red: 180325-180408, 340 profiles averaged

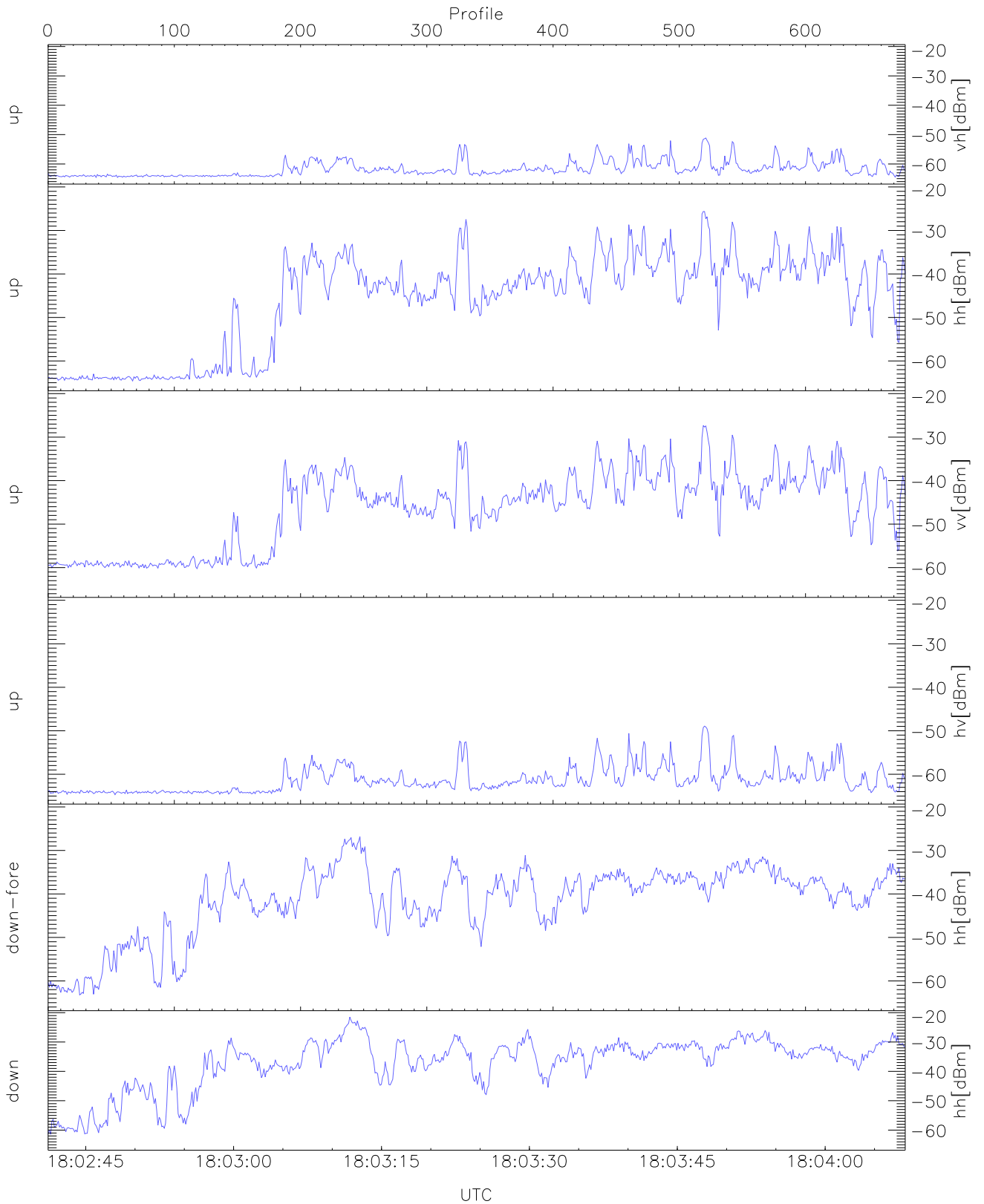


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



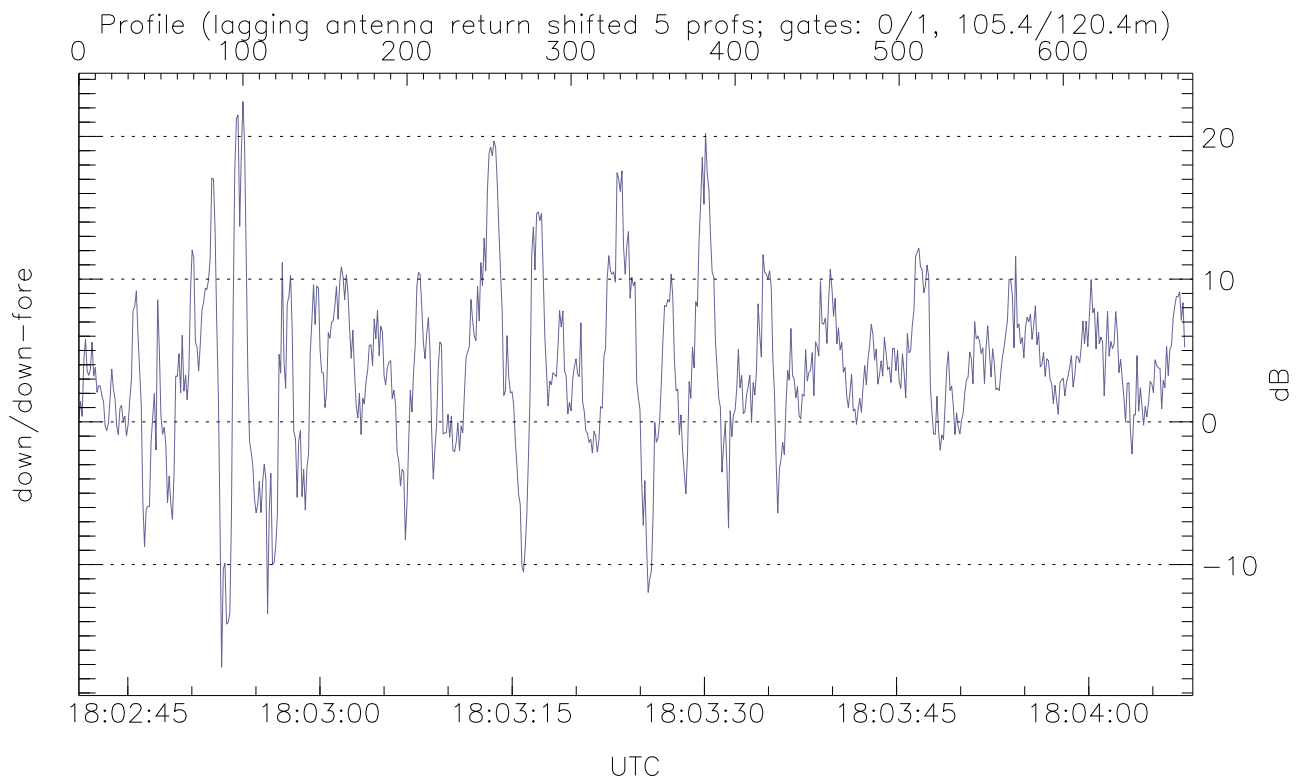
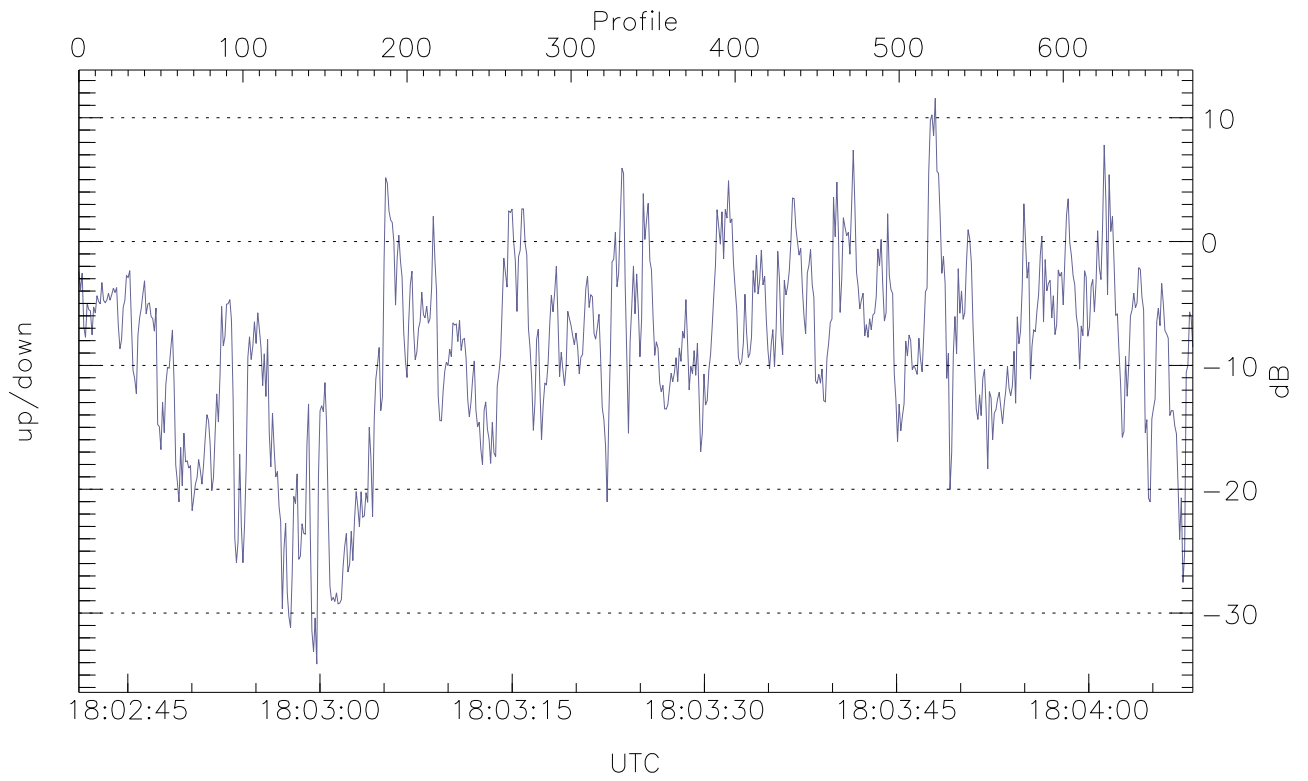
WCR3 FF4 Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.58	-51.16	-60.57
up(hh[dBm])	-64.59	-25.63	-38.15
up(vv[dBm])	-60.23	-27.33	-40.07
up(hv[dBm])	-64.69	-48.94	-59.84
down-fore(hh[dBm])	-63.21	-26.81	-37.18
down(hh[dBm])	-61.46	-21.50	-32.49



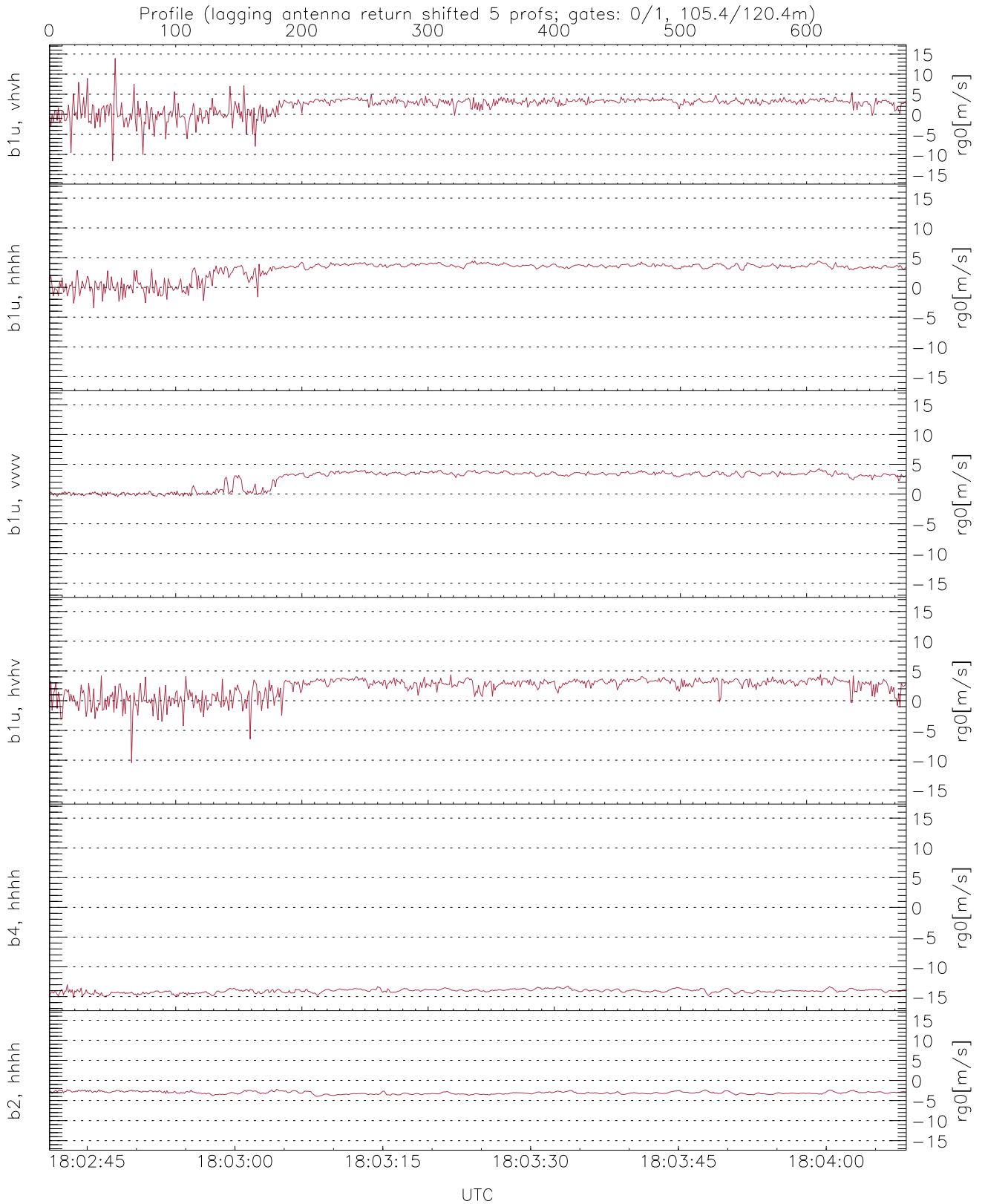
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.58	-51.16	-60.57
up(hh[dBm])	-64.59	-25.63	-38.15
up(vv[dBm])	-60.23	-27.33	-40.07
up(hv[dBm])	-64.69	-48.94	-59.84
down-fore(hh[dBm])	-63.21	-26.81	-37.18
down(hh[dBm])	-61.46	-21.50	-32.49



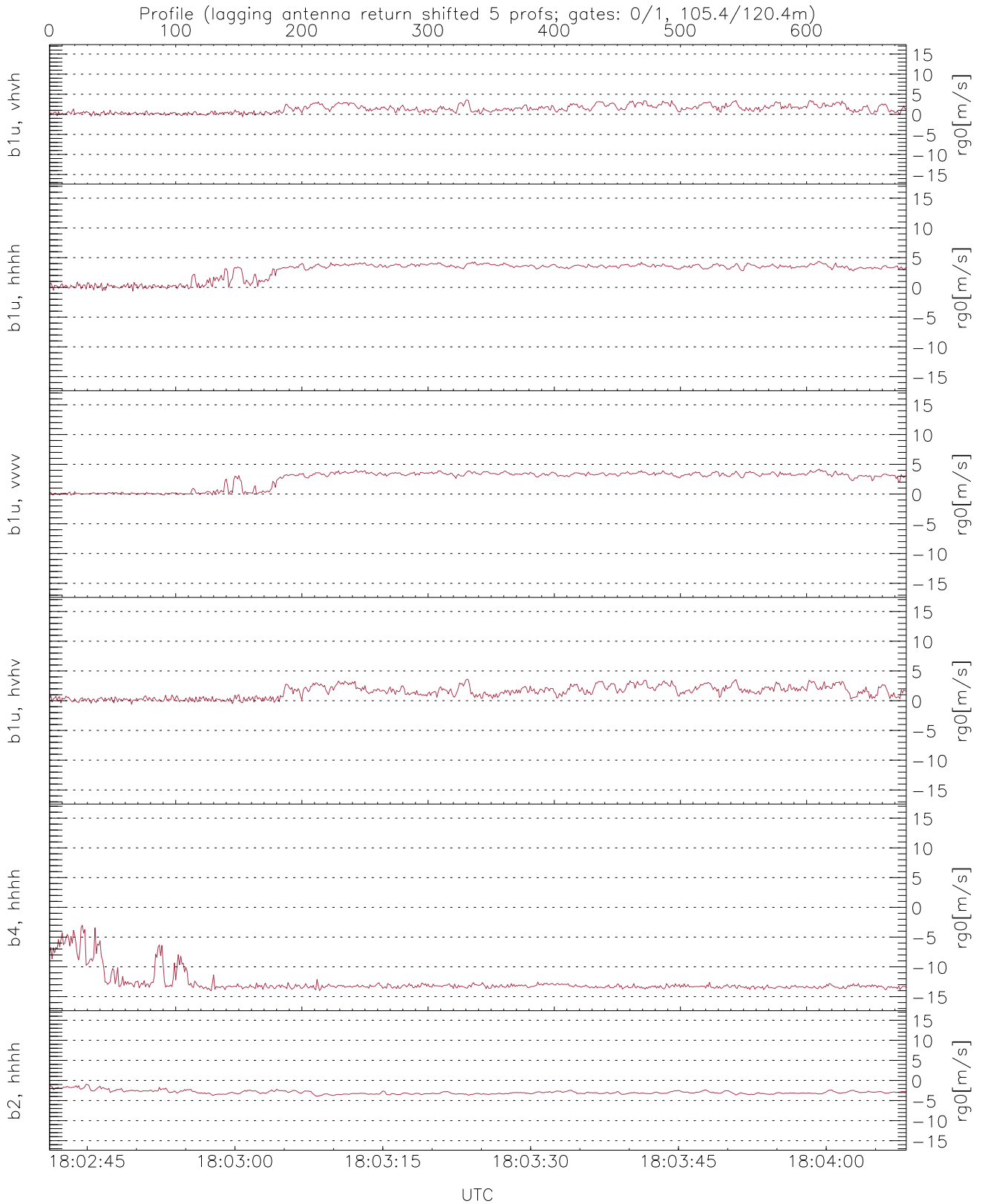
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

	Min	Max	Mean
up/down (dB)	-34.11	11.57	-8.83
down/down-fore (dB)	-17.19	22.45	3.75



WCR3 FF4 Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-11.64	13.96	2.27	2.17
b1u, hhhh(rg0[m/s])	-3.47	4.44	2.90	1.51
b1u, vvvv(rg0[m/s])	-0.45	4.25	2.60	1.44
b1u, hvhv(rg0[m/s])	-10.43	4.41	2.21	1.70
b4, hhhh(rg0[m/s])	-15.18	-12.99	-14.05	0.31
b2, hhhh(rg0[m/s])	-3.97	-2.19	-3.08	0.32



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

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.63	3.58	1.34	0.95
b1u, hhhh(rg0[m/s])	-0.63	4.38	2.81	1.39
b1u, vvvv(rg0[m/s])	-0.17	4.20	2.54	1.40
b1u, hvhv(rg0[m/s])	-0.60	3.63	1.46	1.00
b4, hhhh(rg0[m/s])	-13.99	-3.01	-12.69	1.86
b2, hhhh(rg0[m/s])	-3.94	-0.90	-2.96	0.47