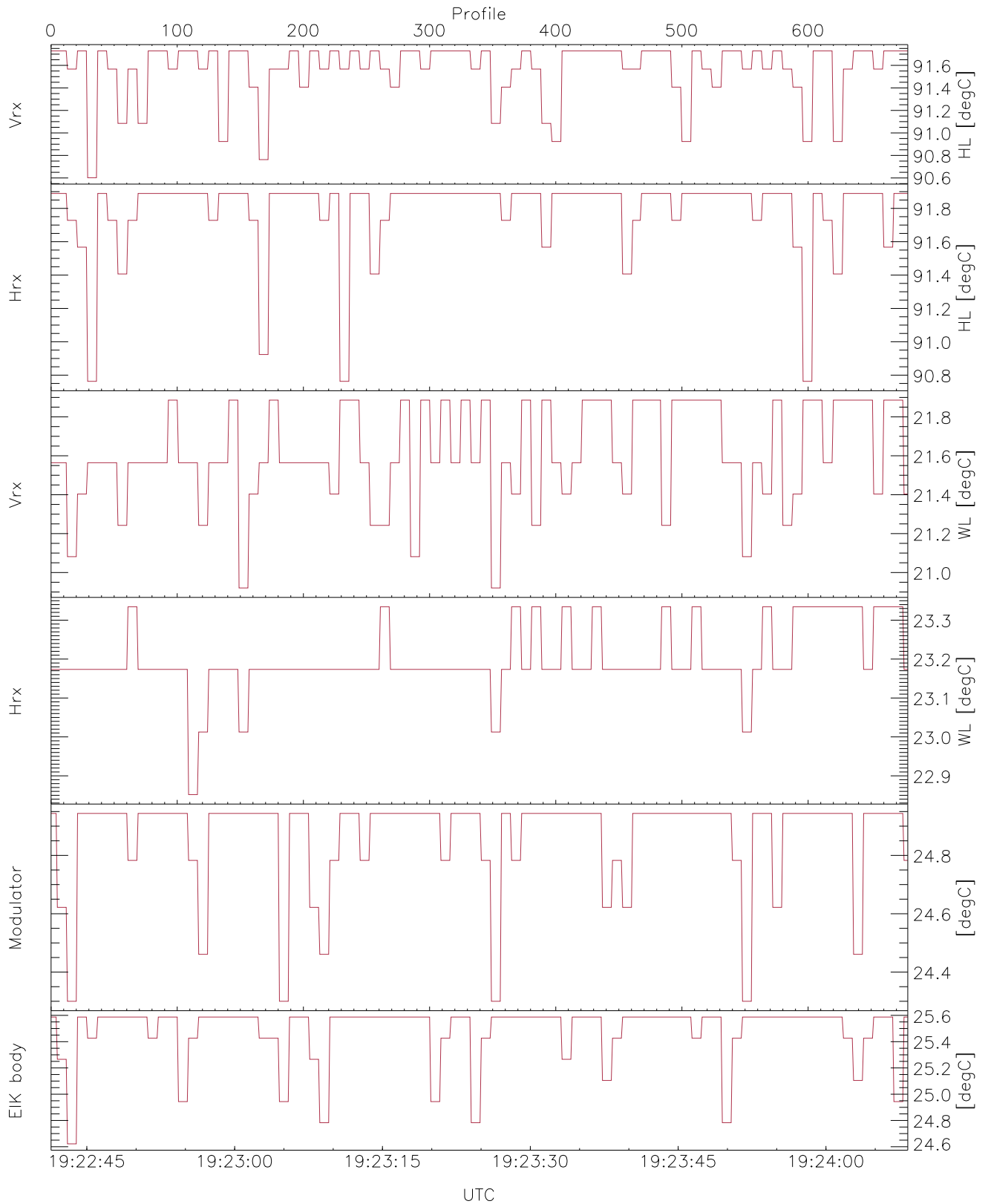


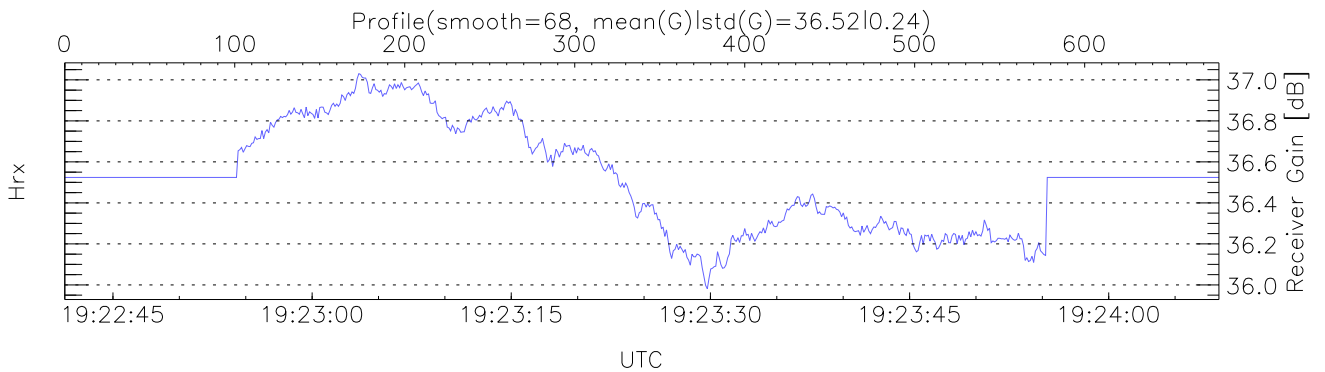
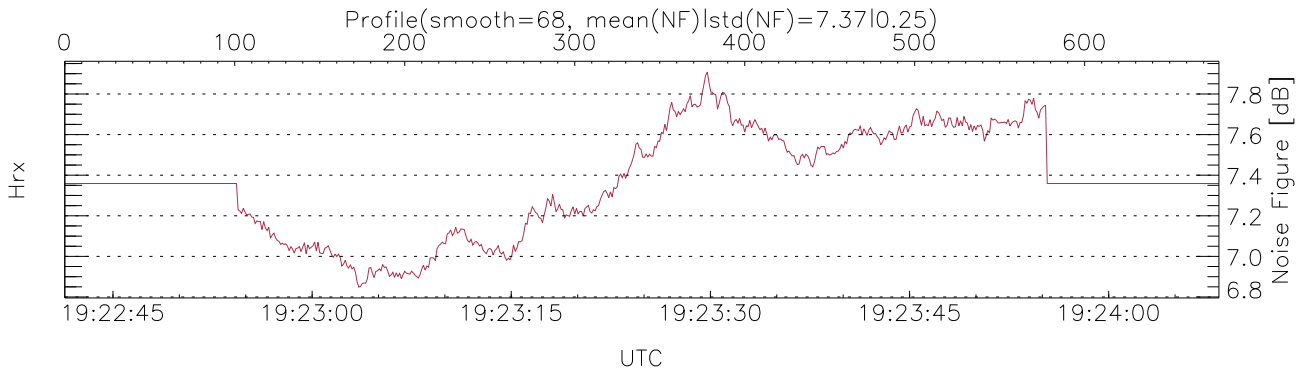
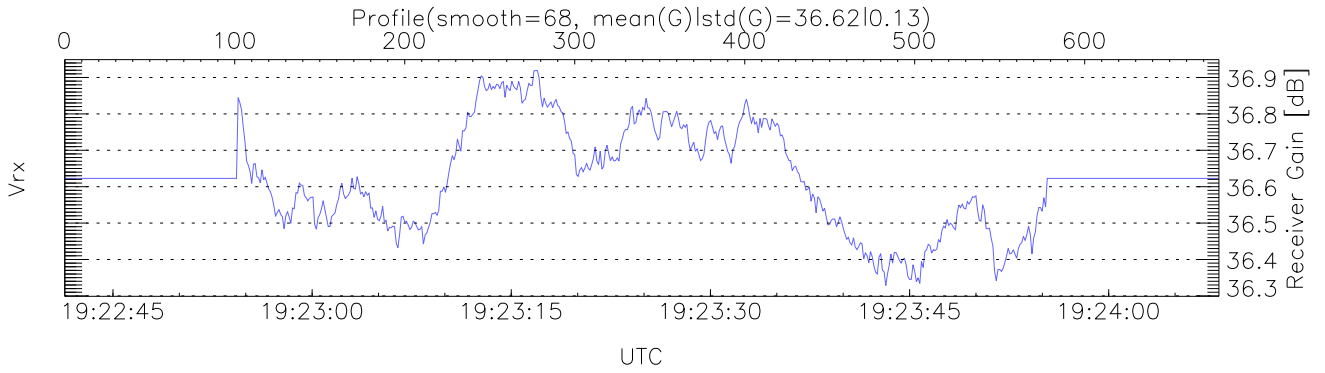
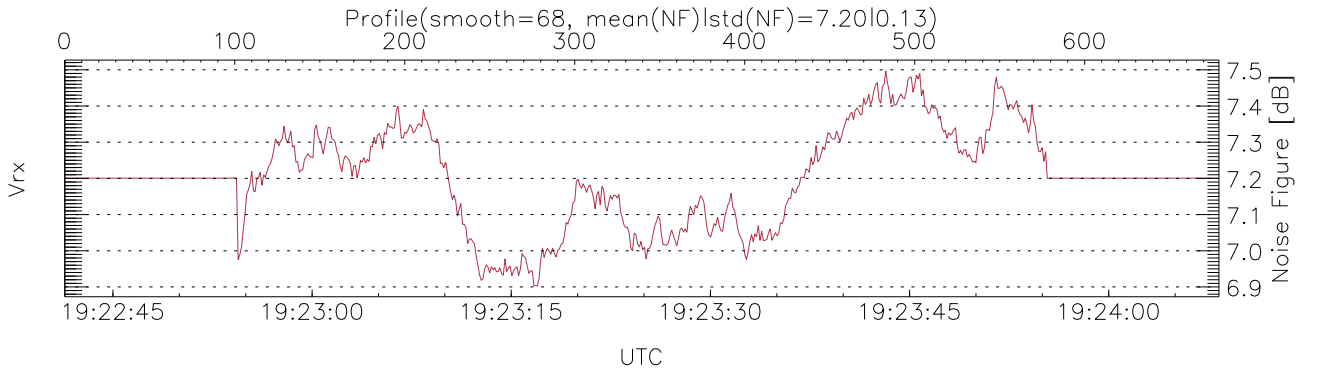
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 19:22:41-19:24:08, 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, 0-679/19:22:41-19:24:08
 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: 50 μ s
 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



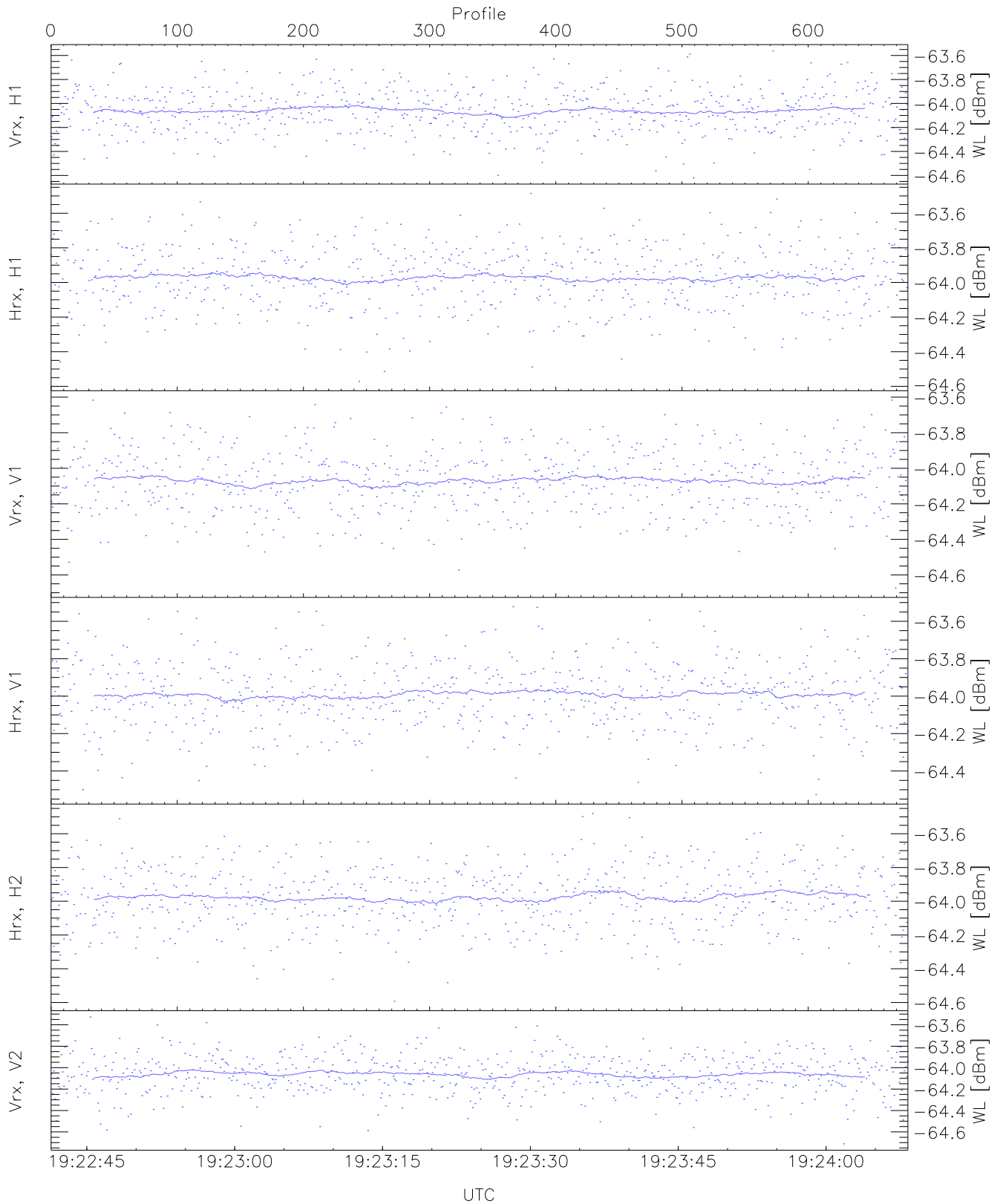
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,90,20,22,24,24
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,91,21,23,24,25
LOalarm(20,240,2817,14861 MHz): None
EIK Faults(# prof affected):
CoilT,BodyCurr,DeckF,OverDuty,HVPS (8,32,8,8,8)



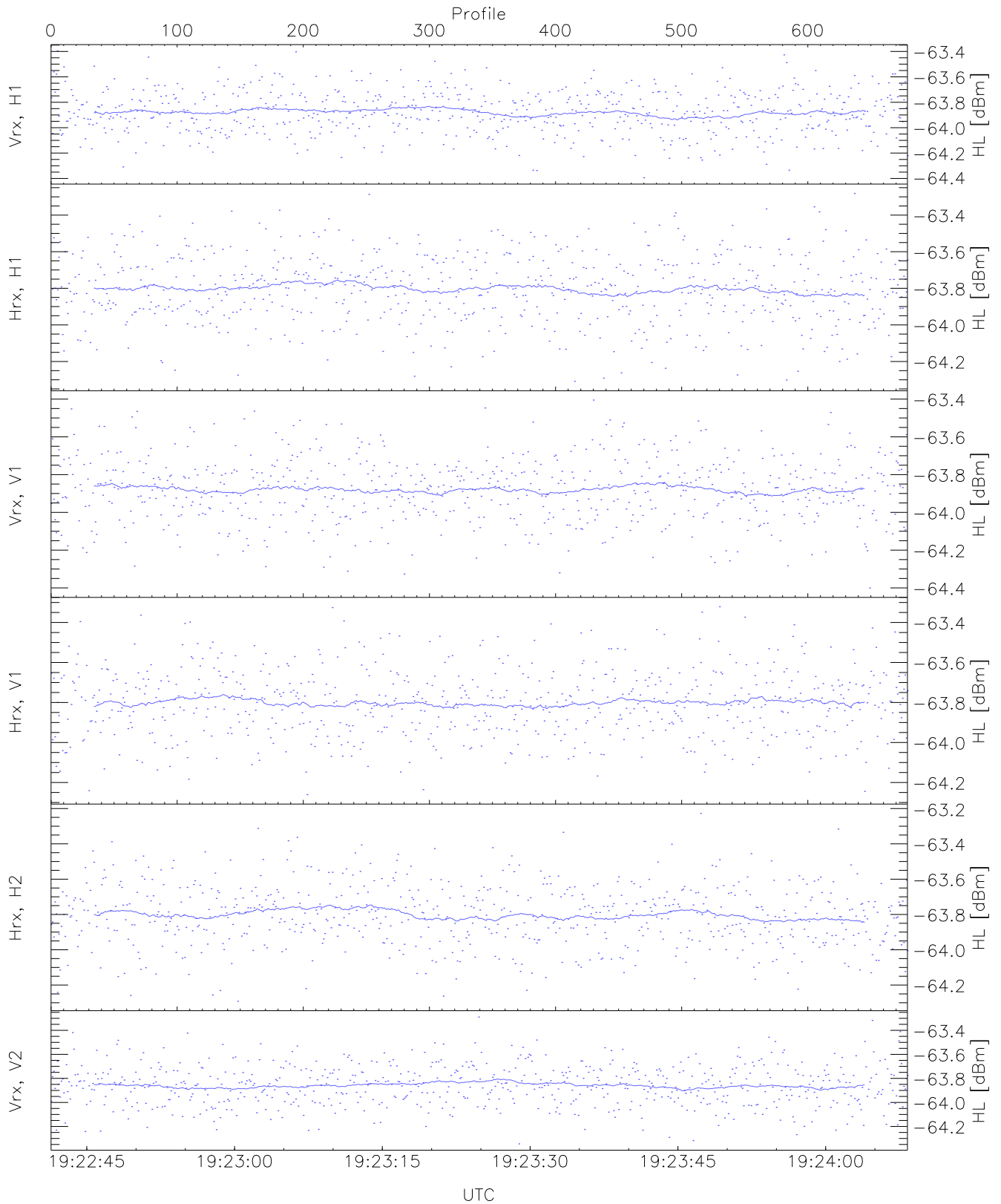
WCR3 FF4 Receivers Gain and Noise Figure

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



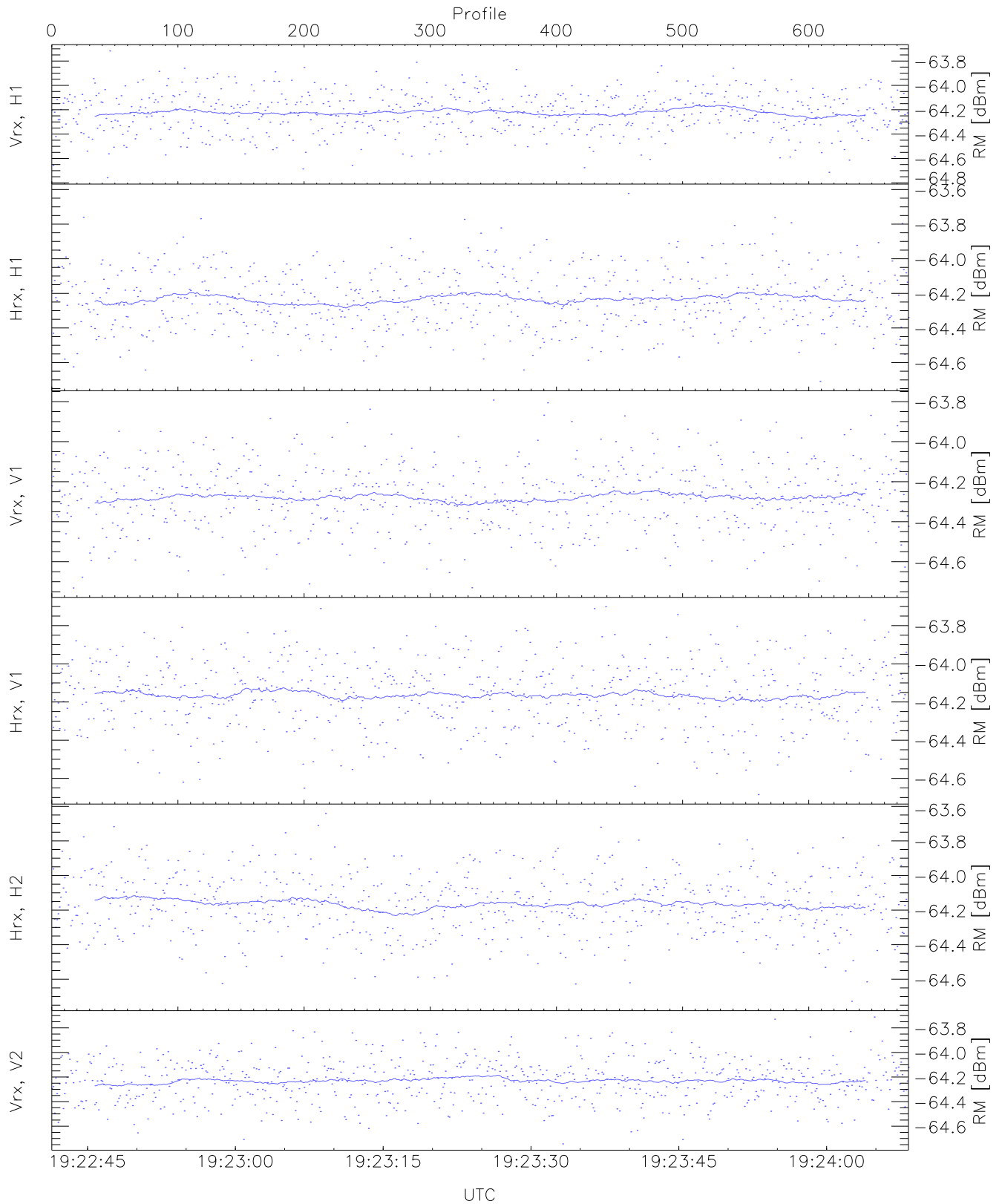
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.62	-63.56	-64.06	-64.06	-78.00
Hrx, H1 (WL [dBm])	-64.57	-63.49	-63.97	-63.97	-77.96
Vrx, V1 (WL [dBm])	-64.67	-63.62	-64.07	-64.07	-78.16
Hrx, V1 (WL [dBm])	-64.53	-63.52	-63.99	-64.00	-77.99
Hrx, H2 (WL [dBm])	-64.59	-63.48	-63.97	-63.98	-77.92
Vrx, V2 (WL [dBm])	-64.71	-63.53	-64.06	-64.06	-78.10



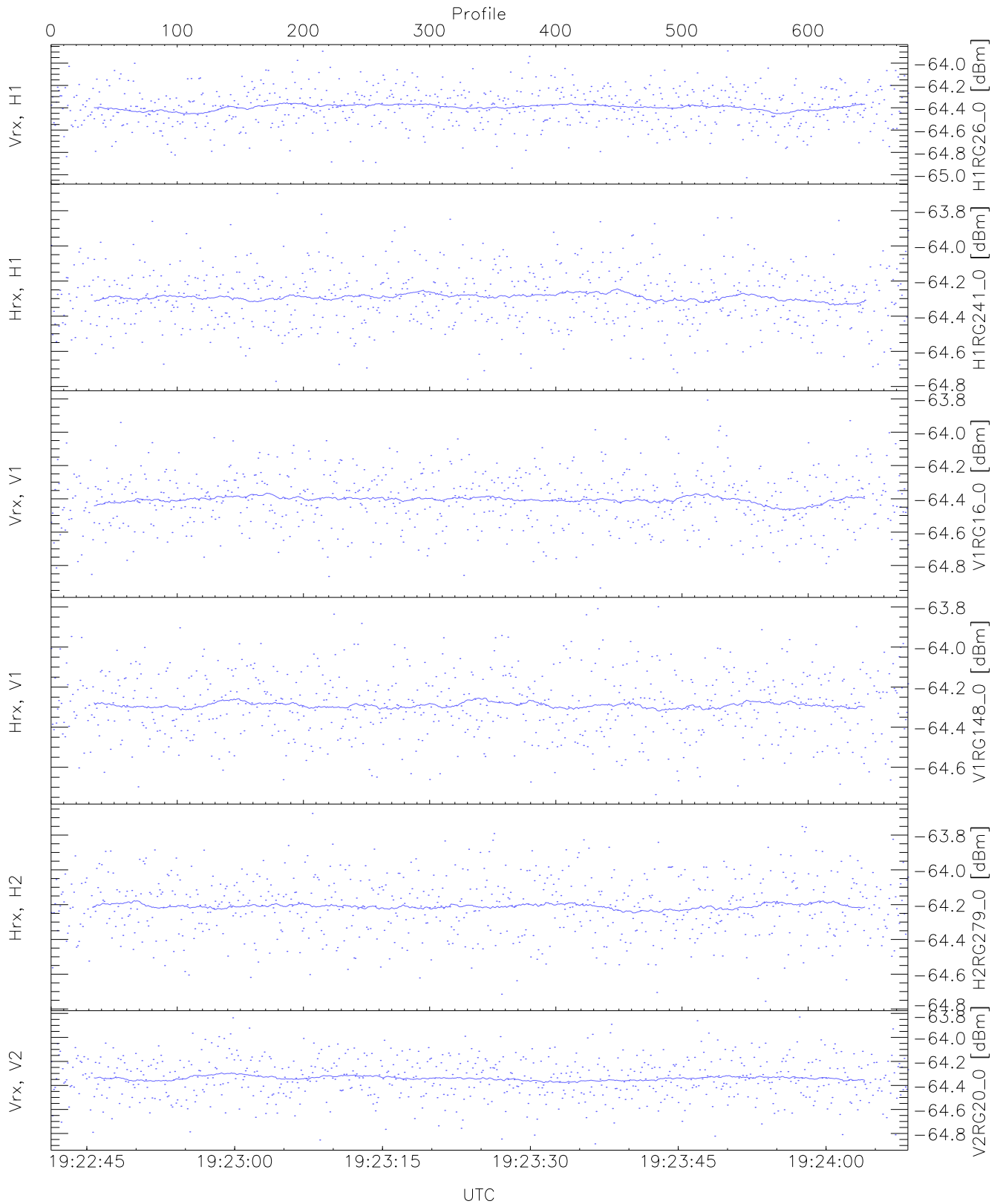
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.39	-63.40	-63.87	-63.88	-78.08
Hrx, H1 (HL [dBm])	-64.31	-63.28	-63.80	-63.80	-77.52
Vrx, V1 (HL [dBm])	-64.40	-63.41	-63.88	-63.87	-78.02
Hrx, V1 (HL [dBm])	-64.26	-63.32	-63.80	-63.80	-77.89
Hrx, H2 (HL [dBm])	-64.29	-63.23	-63.80	-63.80	-77.82
Vrx, V2 (HL [dBm])	-64.34	-63.29	-63.86	-63.86	-78.02



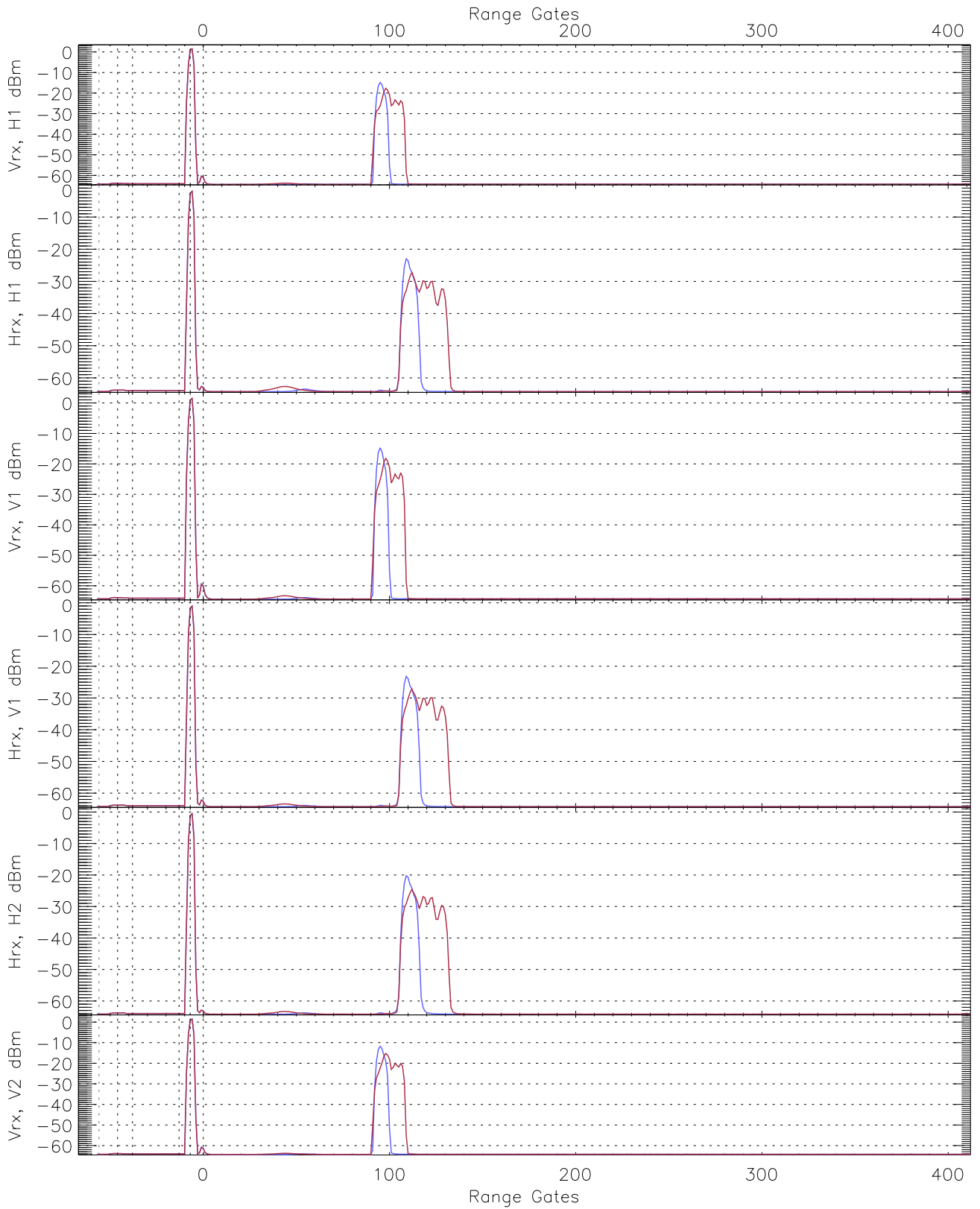
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.76	-63.72	-64.22	-64.22	-78.54
Hrx, H1 (RM [dBm])	-64.71	-63.62	-64.23	-64.24	-78.34
Vrx, V1 (RM [dBm])	-64.73	-63.79	-64.28	-64.28	-78.53
Hrx, V1 (RM [dBm])	-64.69	-63.70	-64.16	-64.15	-78.14
Hrx, H2 (RM [dBm])	-64.73	-63.64	-64.16	-64.17	-78.21
Vrx, V2 (RM [dBm])	-64.74	-63.71	-64.23	-64.22	-78.34

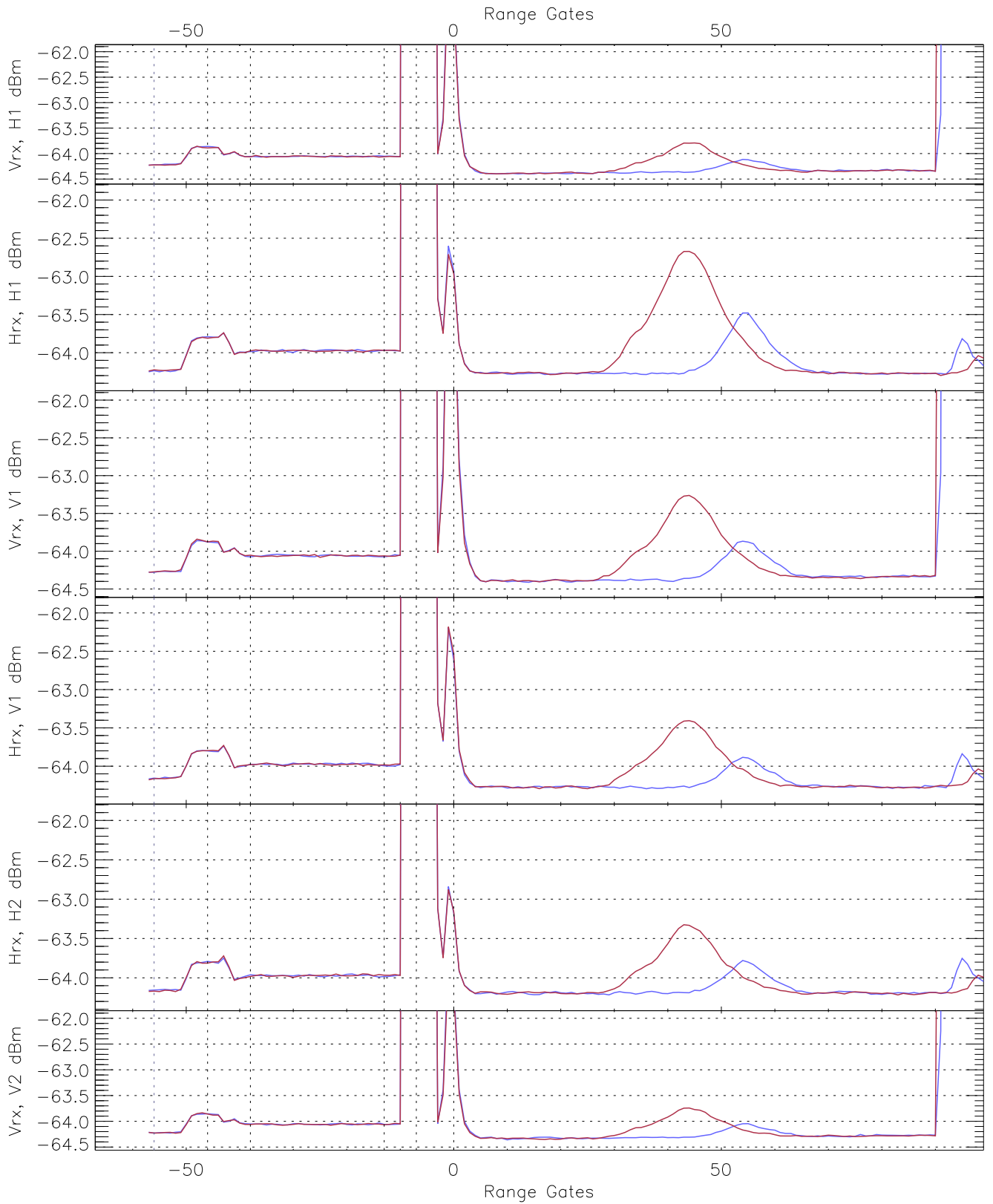


WCR3 FF4 "Best" estimate Receivers Noise Power

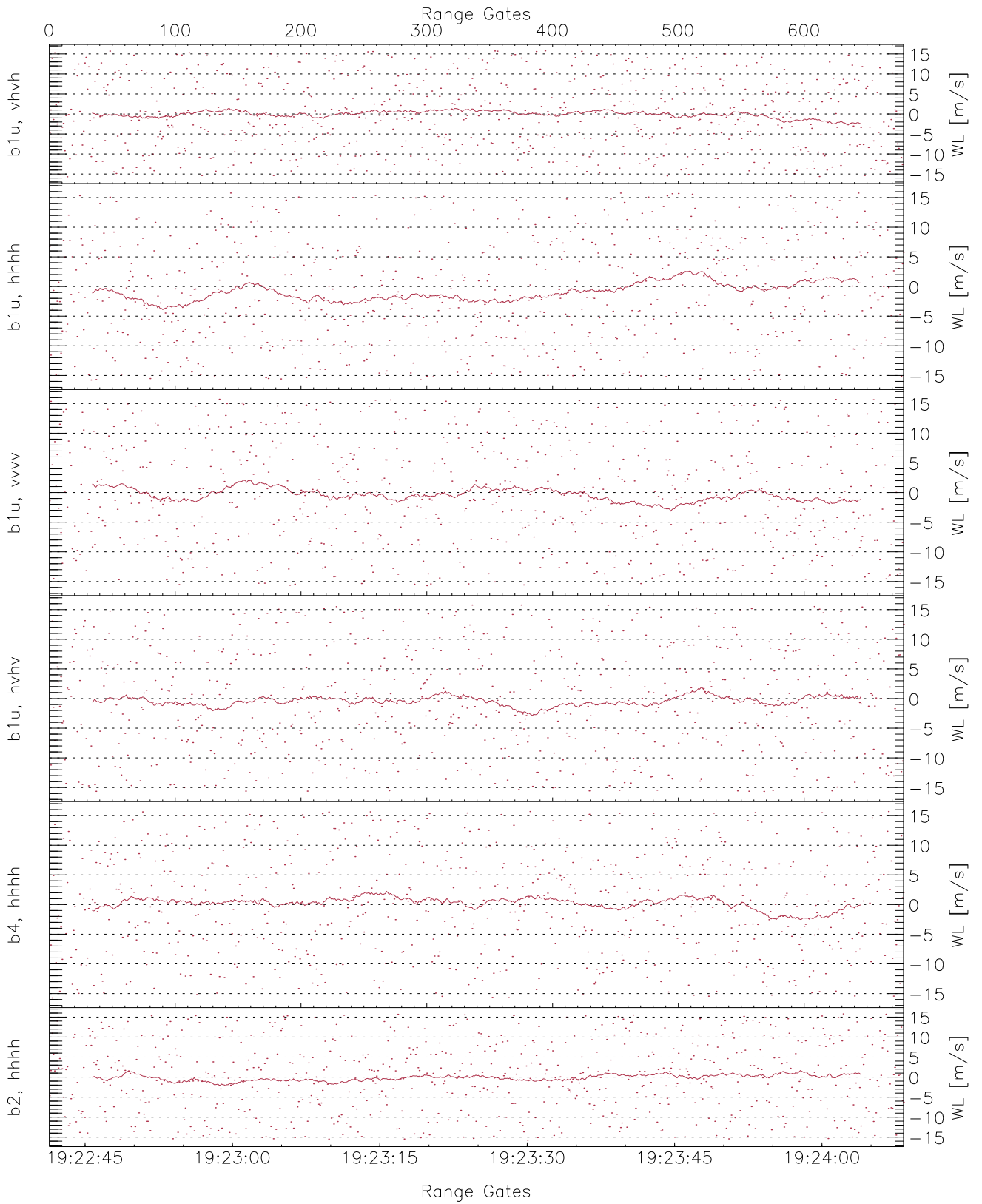
	Min	Max	Mean	Median	StDev
H1RG26_0 [dBm]	-65.03	-63.89	-64.39	-64.39	-78.47
H1RG241_0 [dBm]	-64.77	-63.70	-64.29	-64.29	-78.39
V1RG16_0 [dBm]	-64.94	-63.81	-64.40	-64.40	-78.52
V1RG148_0 [dBm]	-64.74	-63.80	-64.29	-64.29	-78.46
H2RG279_0 [dBm]	-64.76	-63.68	-64.21	-64.20	-78.21
V2RG20_0 [dBm]	-64.89	-63.83	-64.34	-64.34	-78.36



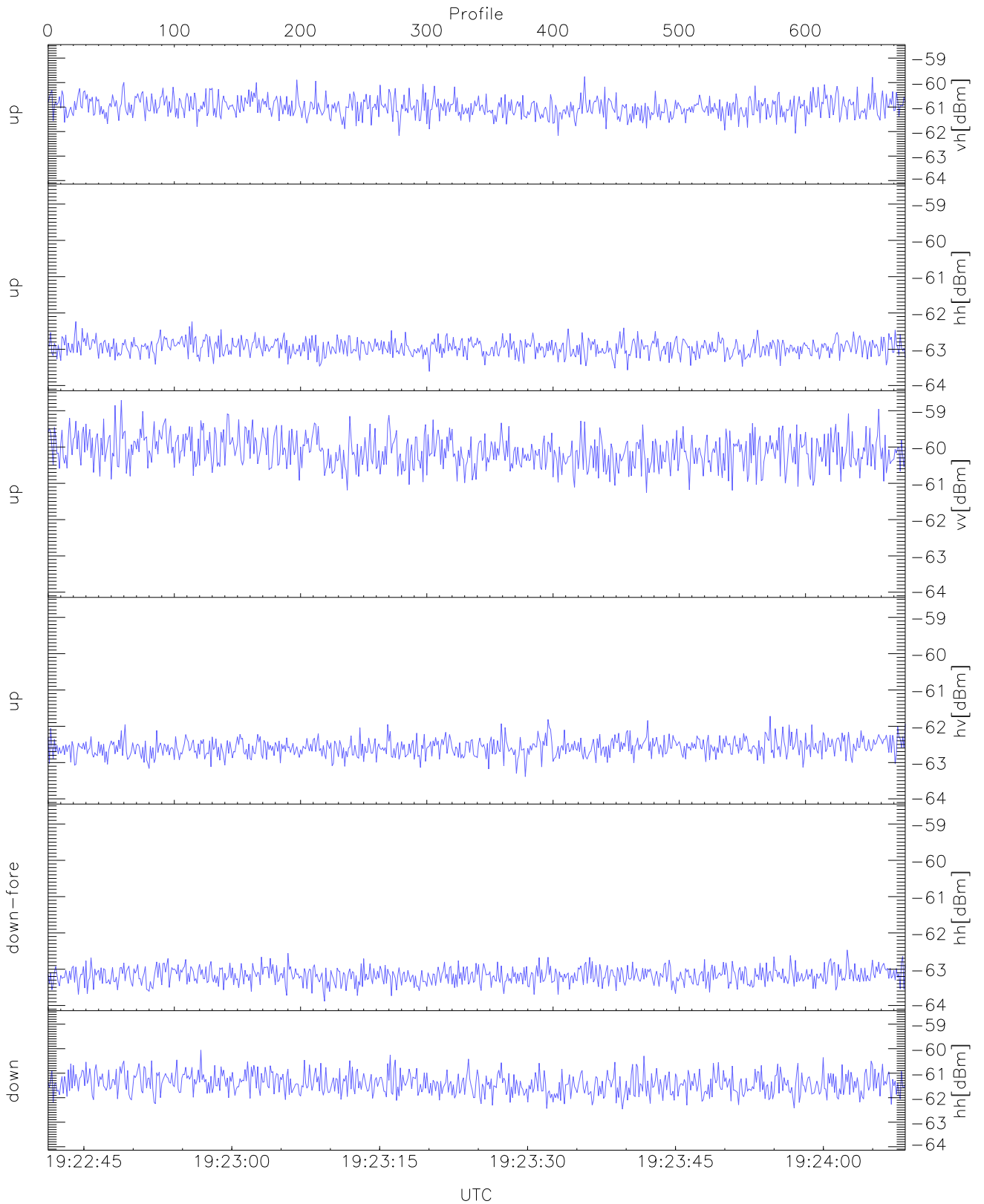
WCR3 FF4 Averaged Received power for all recorded gates
blue: 192241-192325, 341 profiles averaged
red: 192325-192408, 340 profiles averaged



WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate
blue: 192241-192325, 341 profiles averaged
red: 192325-192408, 340 profiles averaged

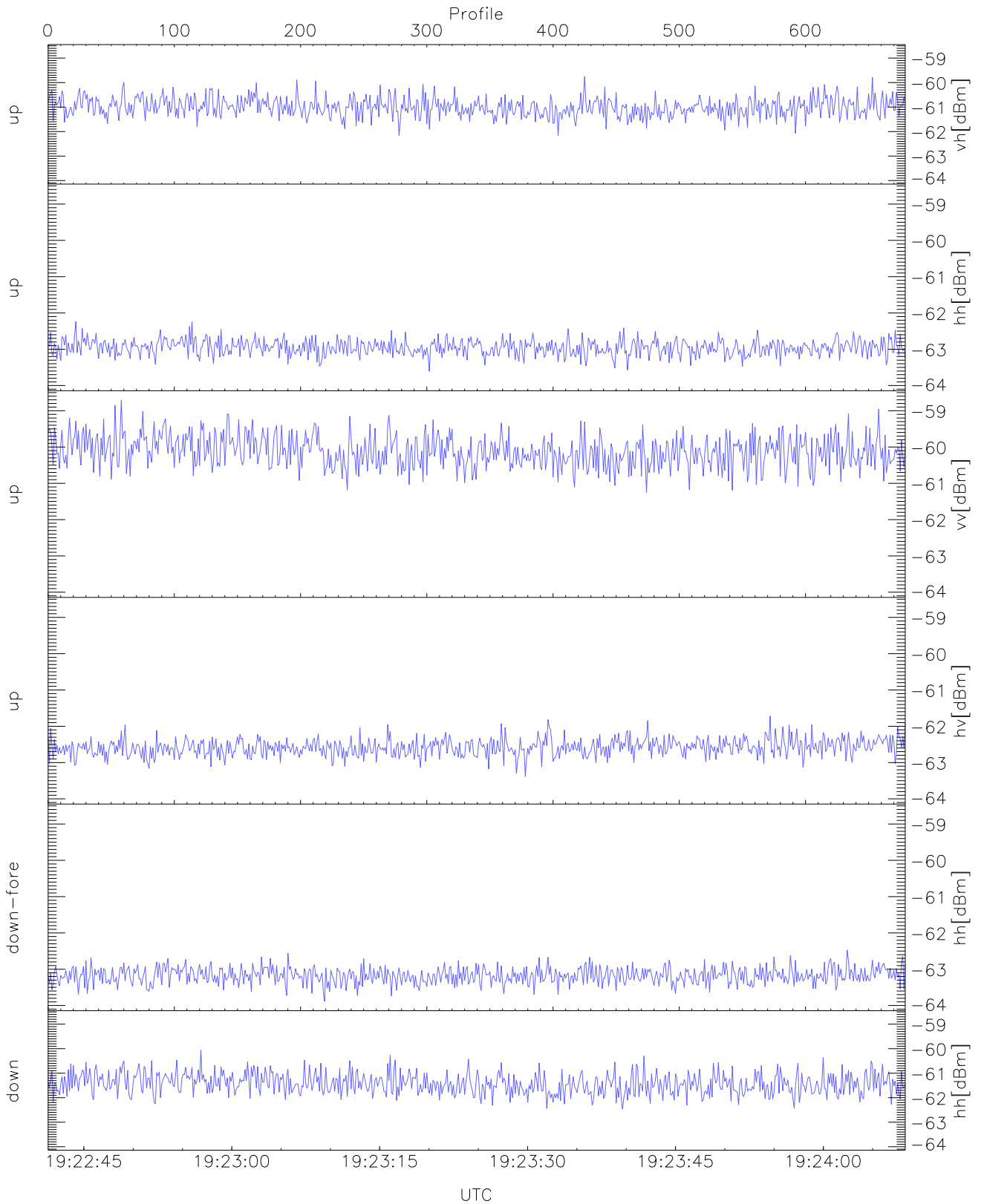


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



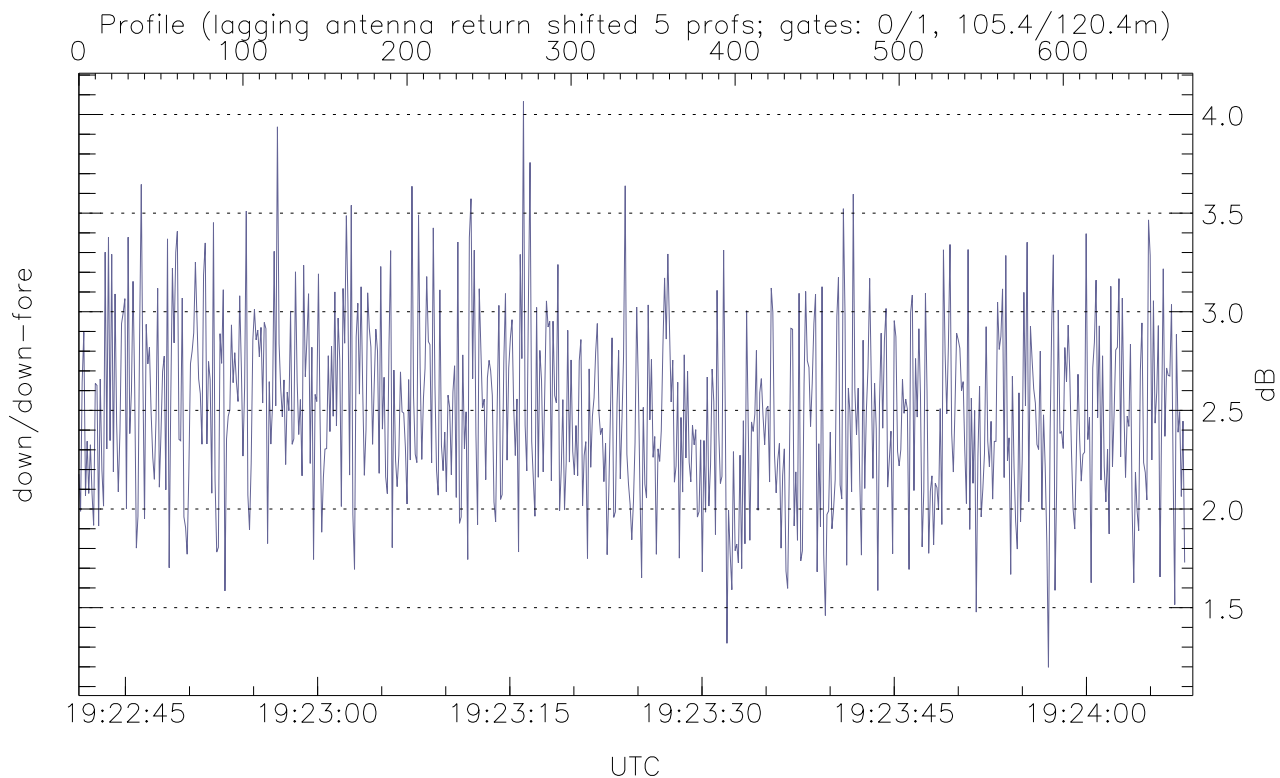
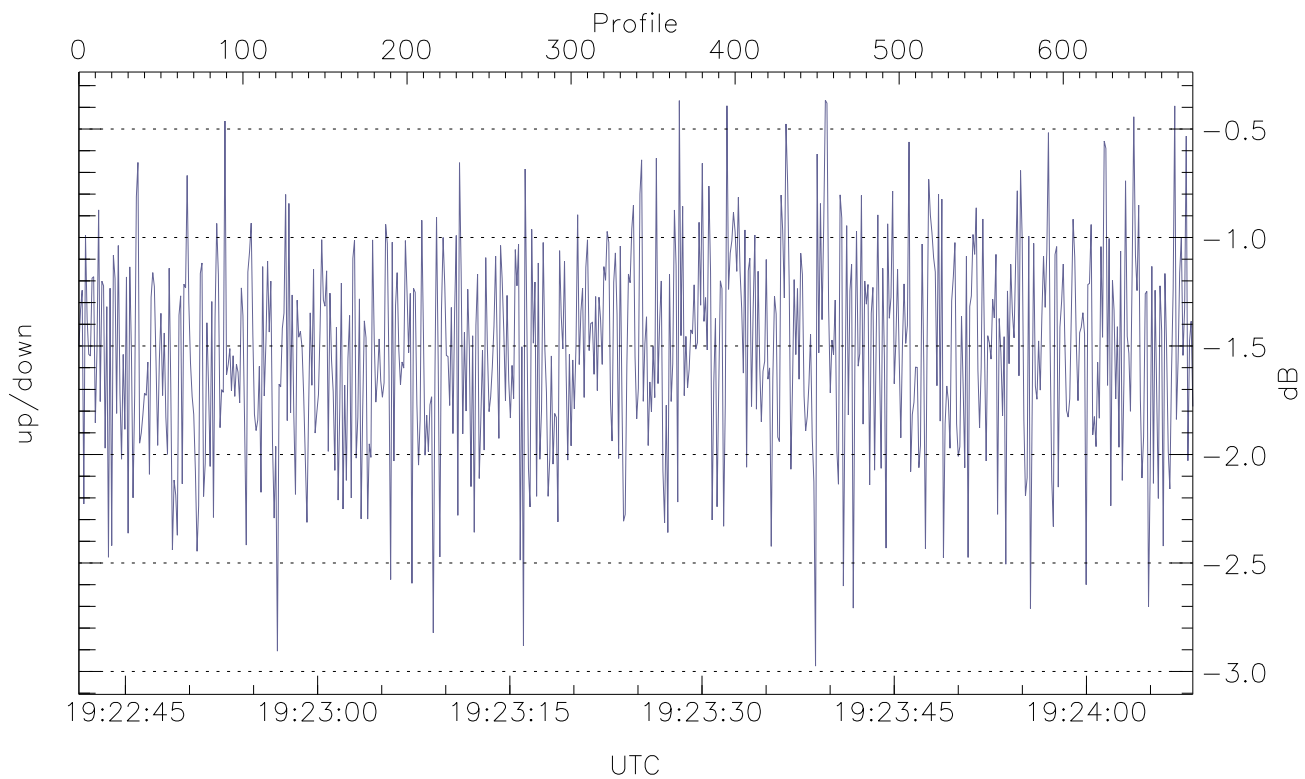
WCR3 FF4 Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-62.17	-59.76	-60.98
up(hh[dBm])	-63.61	-62.24	-62.95
up(vv[dBm])	-61.26	-58.71	-60.10
up(hv[dBm])	-63.39	-61.72	-62.57
down-fore(hh[dBm])	-63.88	-62.47	-63.17
down(hh[dBm])	-62.47	-60.06	-61.41



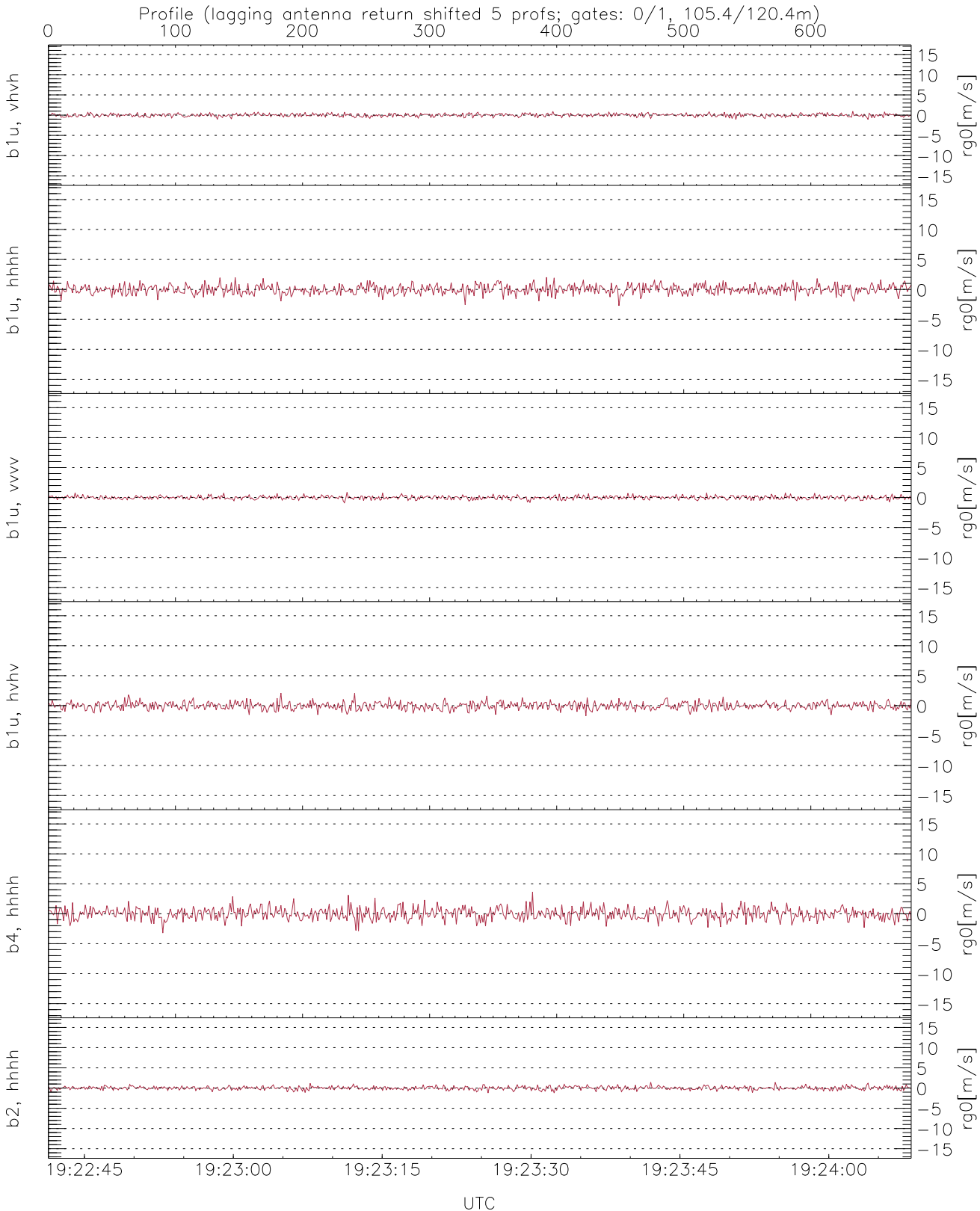
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-62.17	-59.76	-60.98
up(hh[dBm])	-63.61	-62.24	-62.95
up(vv[dBm])	-61.26	-58.71	-60.10
up(hv[dBm])	-63.39	-61.72	-62.57
down-fore(hh[dBm])	-63.88	-62.47	-63.17
down(hh[dBm])	-62.47	-60.06	-61.41



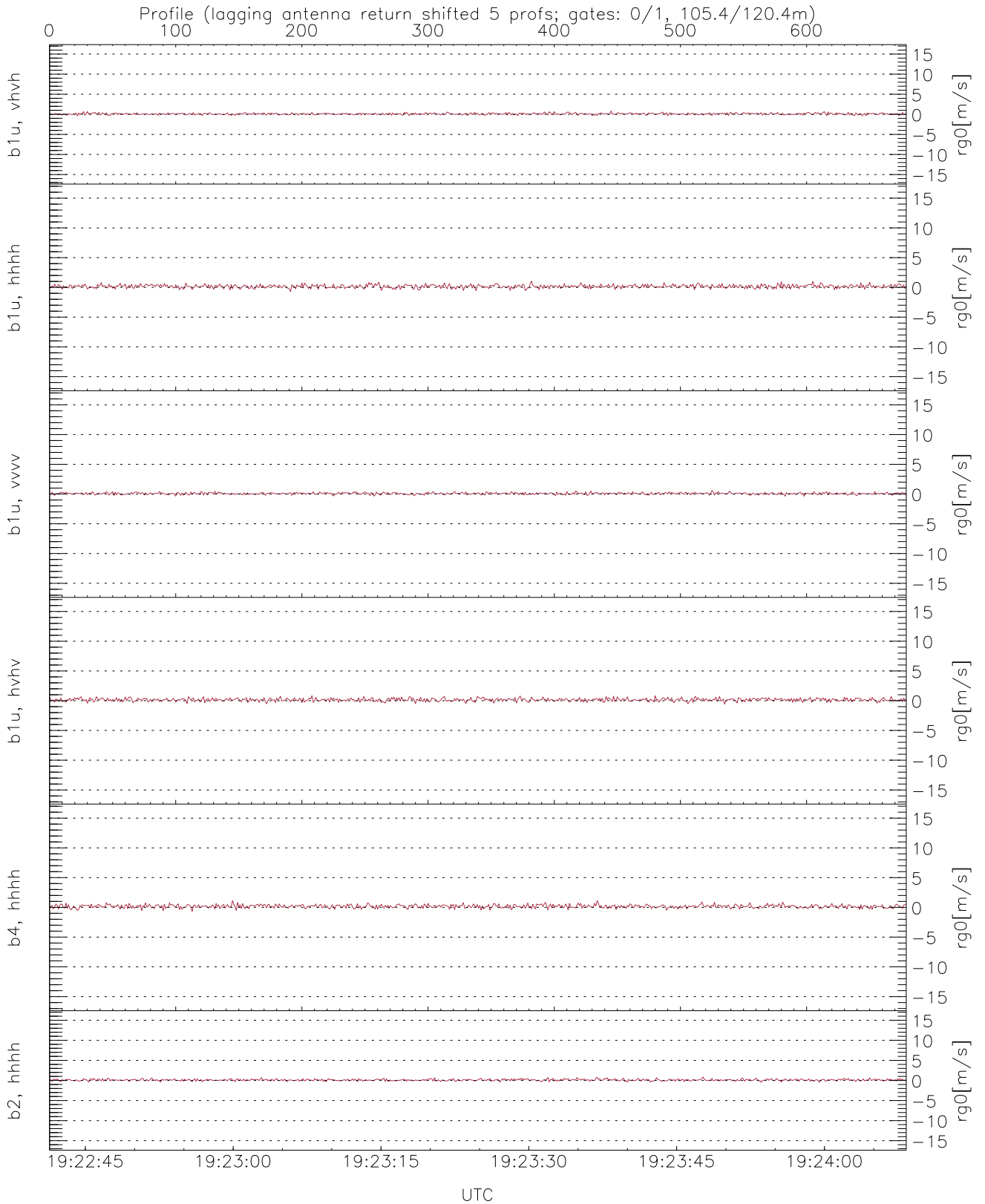
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

	Min	Max	Mean
up/down (dB)	-2.97	-0.37	-1.53
down/down-fore (dB)	1.20	4.07	2.49



WCR3 FF4 Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-1.07	0.96	-0.00	0.34
b1u, hhhh(rg0[m/s])	-2.72	2.03	-0.00	0.75
b1u, vvvv(rg0[m/s])	-0.86	0.88	-0.00	0.27
b1u, hvhv(rg0[m/s])	-1.71	2.10	-0.02	0.60
b4, hhhh(rg0[m/s])	-3.21	3.62	-0.01	0.95
b2, hhhh(rg0[m/s])	-1.22	1.45	0.01	0.40



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

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.38	0.79	0.11	0.18
b1u, hhhh(rg0[m/s])	-0.73	1.06	0.18	0.27
b1u, vvvv(rg0[m/s])	-0.34	0.57	0.09	0.15
b1u, hvhv(rg0[m/s])	-0.58	0.88	0.16	0.24
b4, hhhh(rg0[m/s])	-0.70	1.15	0.18	0.27
b2, hhhh(rg0[m/s])	-0.45	0.83	0.12	0.20