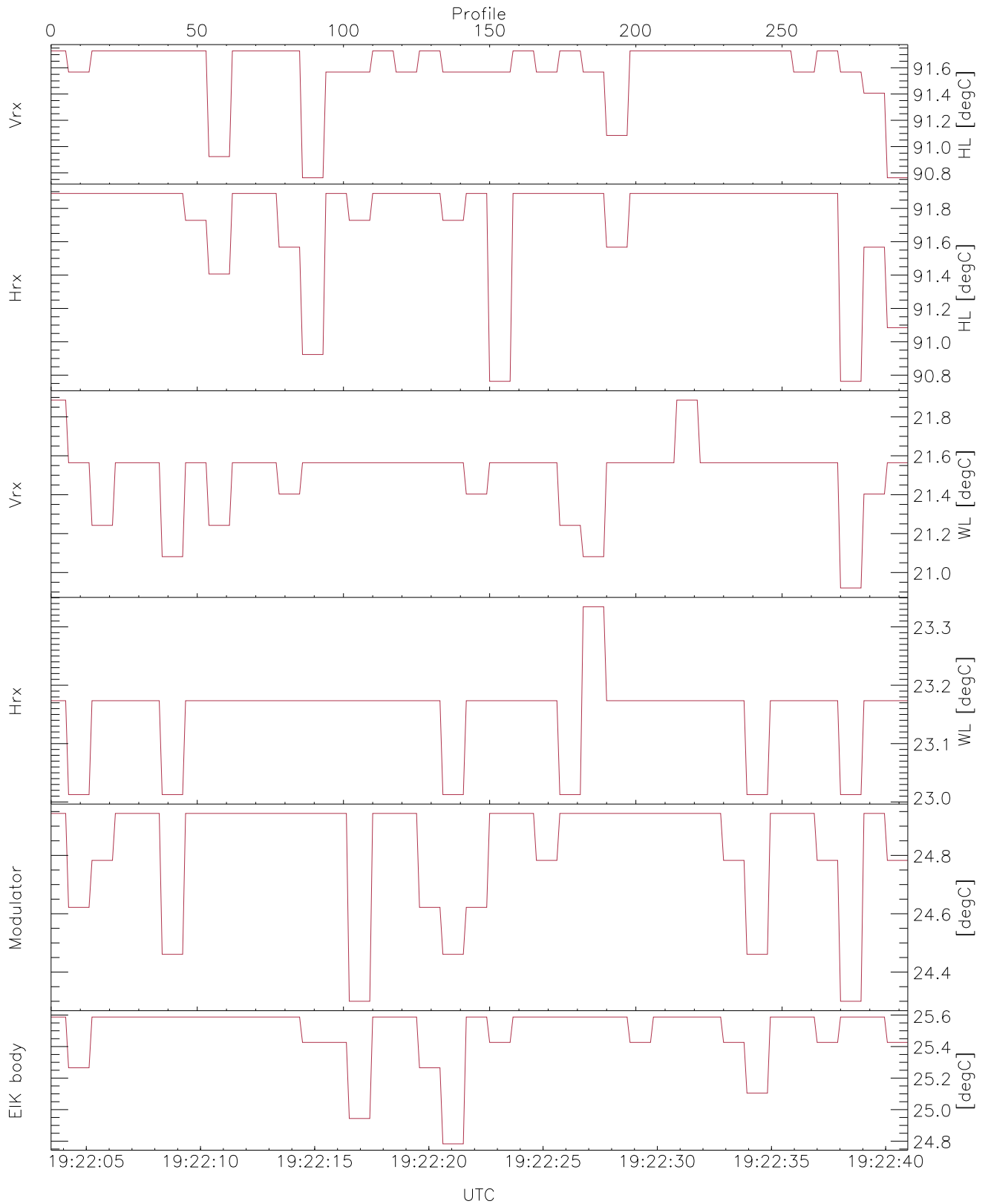


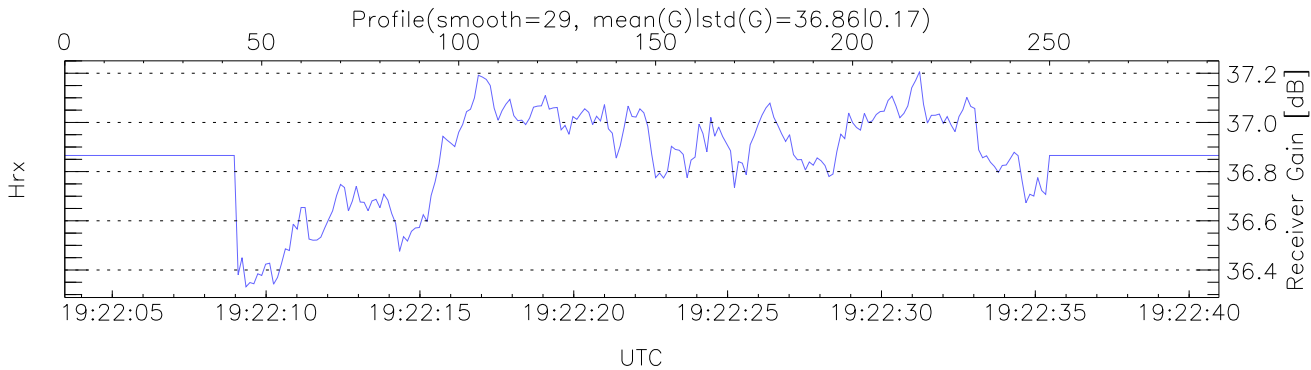
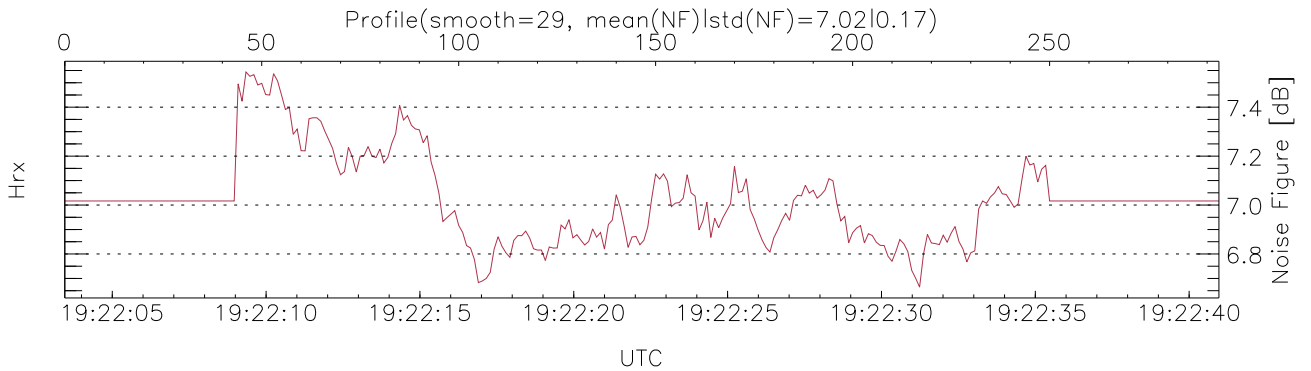
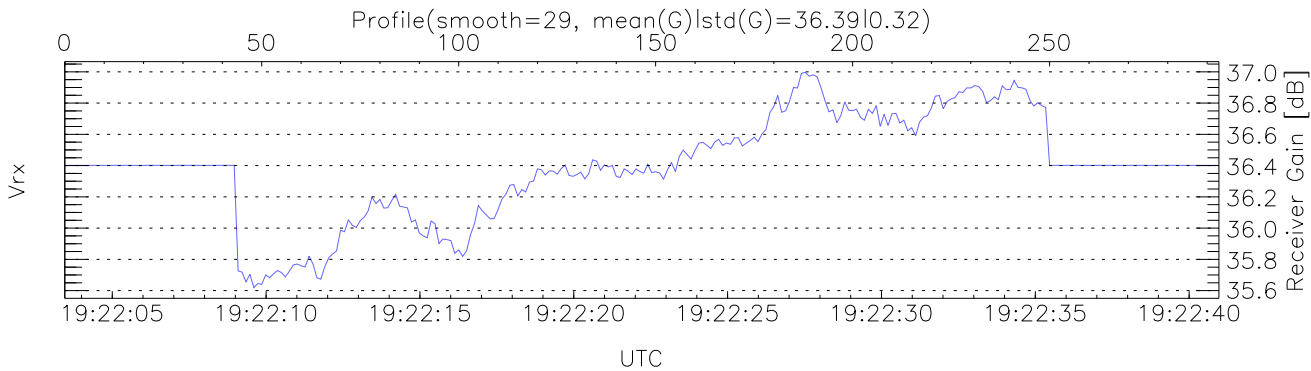
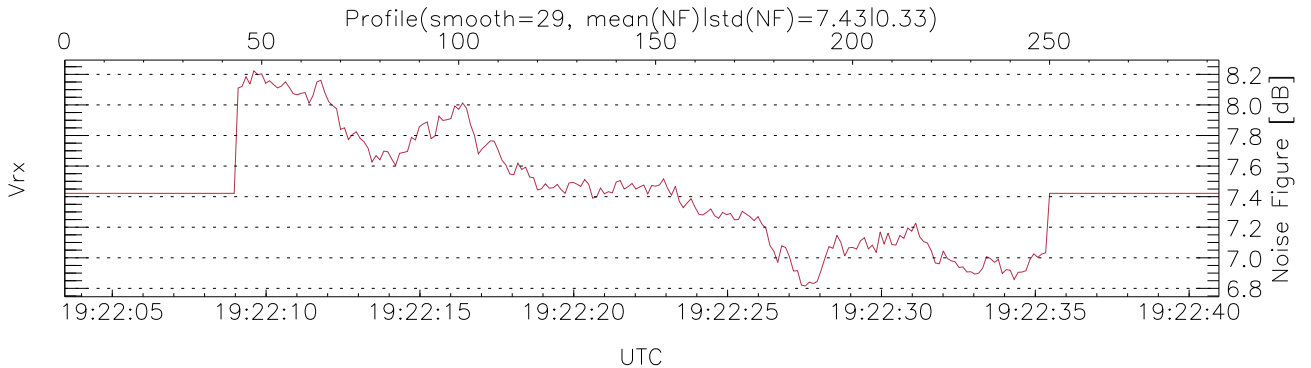
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 19:22:03-19:22:41, TimeCor: 0.00s, Dur: 37.51s  
 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): 294/294, 0-293/19:22:03-19:22:41  
 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



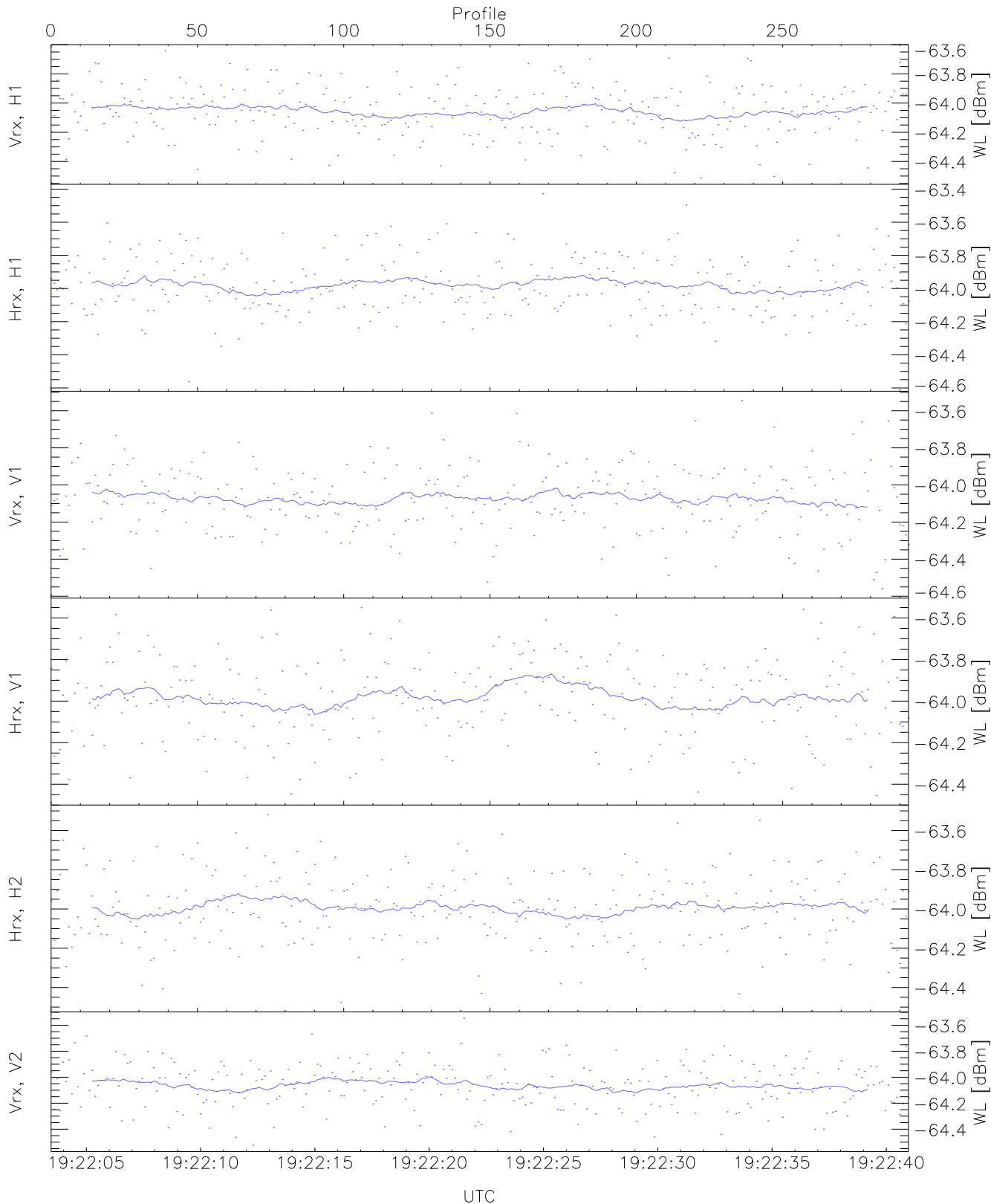
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,90,20,23,24,24  
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,91,21,23,24,25  
 LOalarm(20,240,2817,14861 MHz): None  
 EIK/Modulator Faults: None



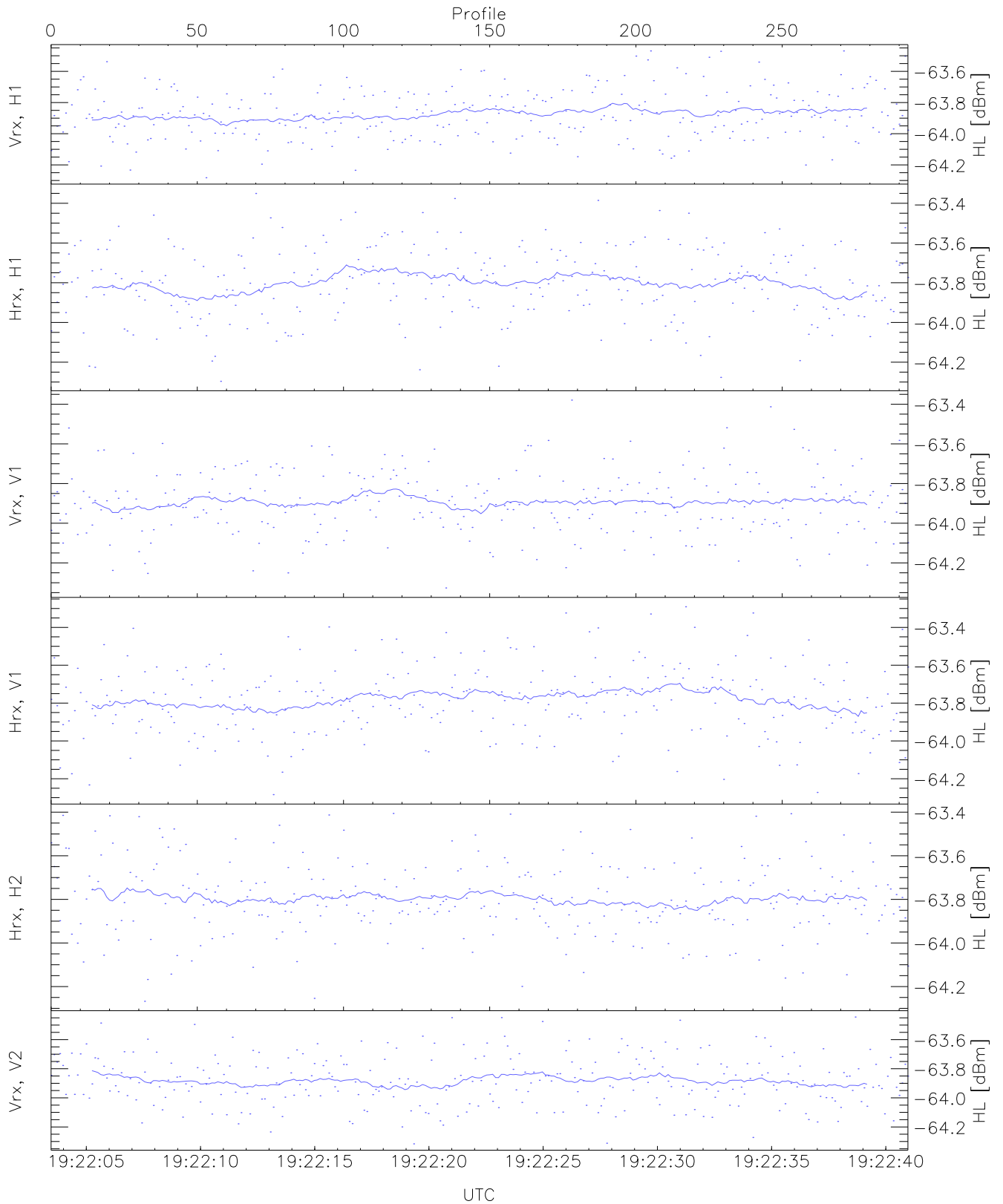
### WCR3 FF4 Receivers Gain and Noise Figure

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



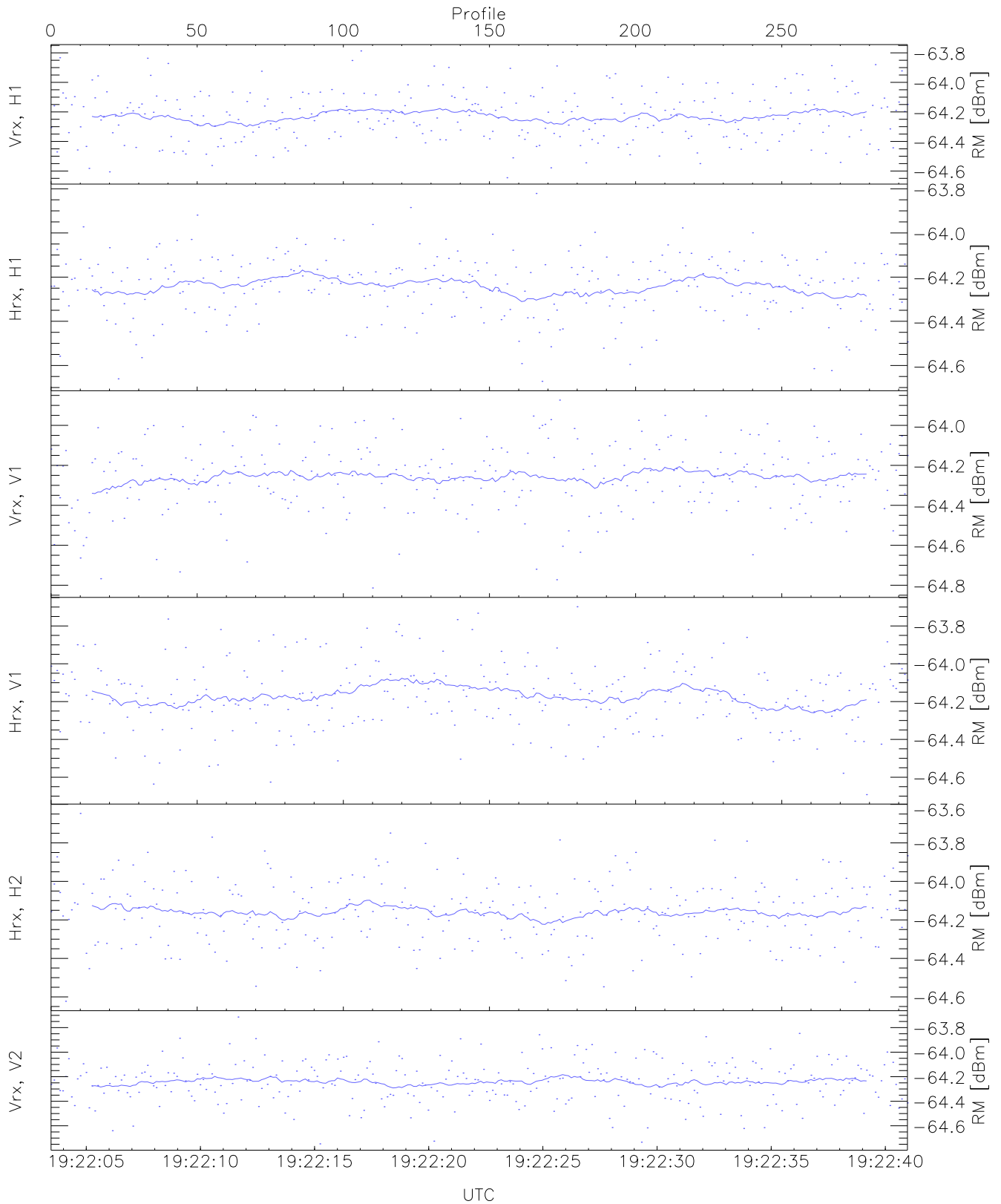
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.51	-63.64	-64.05	-64.04	-78.19
Hrx, H1 (WL [dBm])	-64.56	-63.43	-63.98	-64.00	-78.12
Vrx, V1 (WL [dBm])	-64.56	-63.55	-64.07	-64.08	-78.02
Hrx, V1 (WL [dBm])	-64.45	-63.55	-63.98	-63.98	-77.61
Hrx, H2 (WL [dBm])	-64.48	-63.52	-63.99	-64.00	-78.01
Vrx, V2 (WL [dBm])	-64.52	-63.55	-64.06	-64.05	-78.31



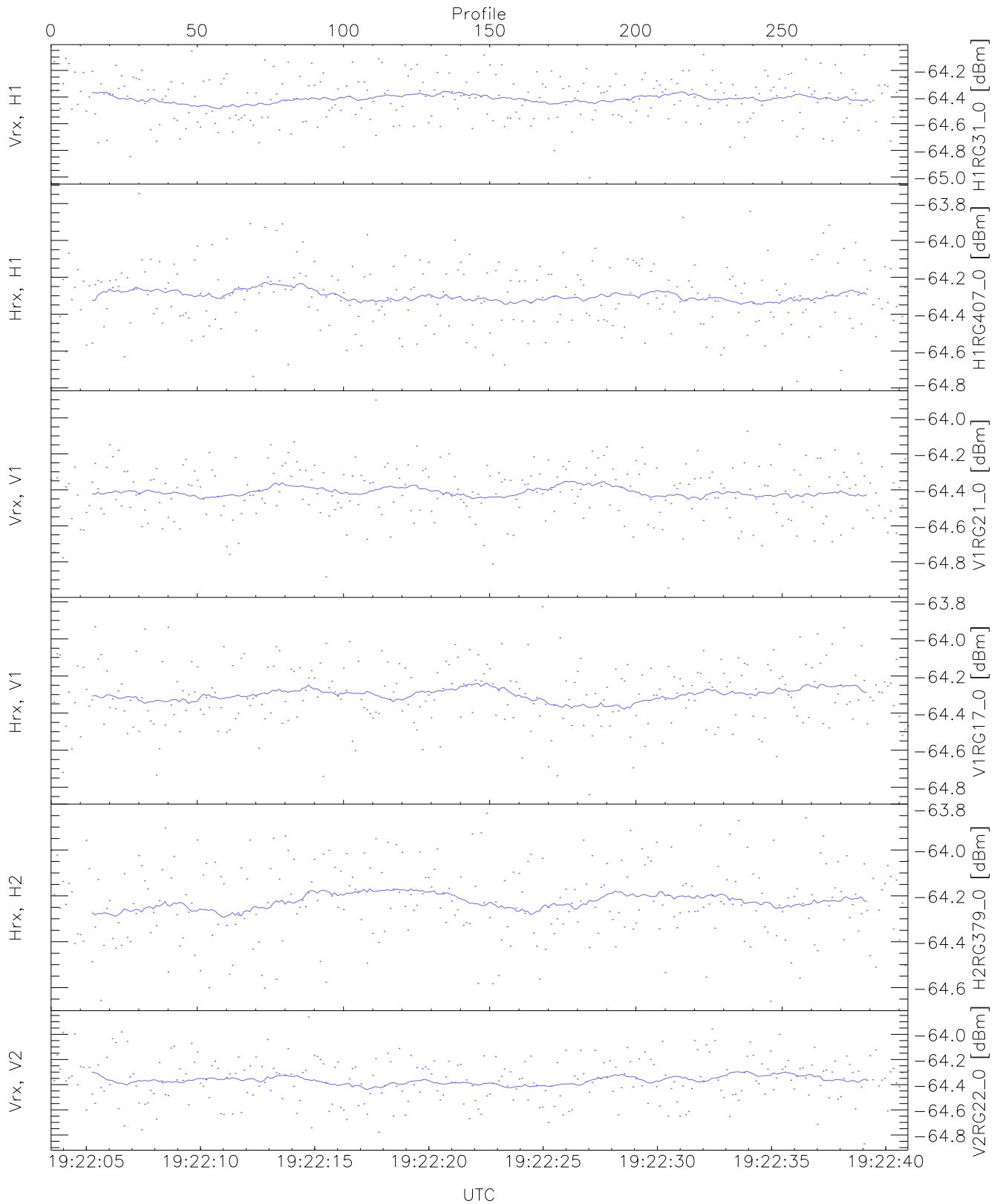
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.28	-63.47	-63.87	-63.88	-78.25
Hrx, H1 (HL [dBm])	-64.30	-63.35	-63.80	-63.80	-77.72
Vrx, V1 (HL [dBm])	-64.33	-63.38	-63.89	-63.90	-78.21
Hrx, V1 (HL [dBm])	-64.28	-63.29	-63.78	-63.78	-77.50
Hrx, H2 (HL [dBm])	-64.27	-63.41	-63.79	-63.81	-77.90
Vrx, V2 (HL [dBm])	-64.32	-63.44	-63.88	-63.89	-77.96



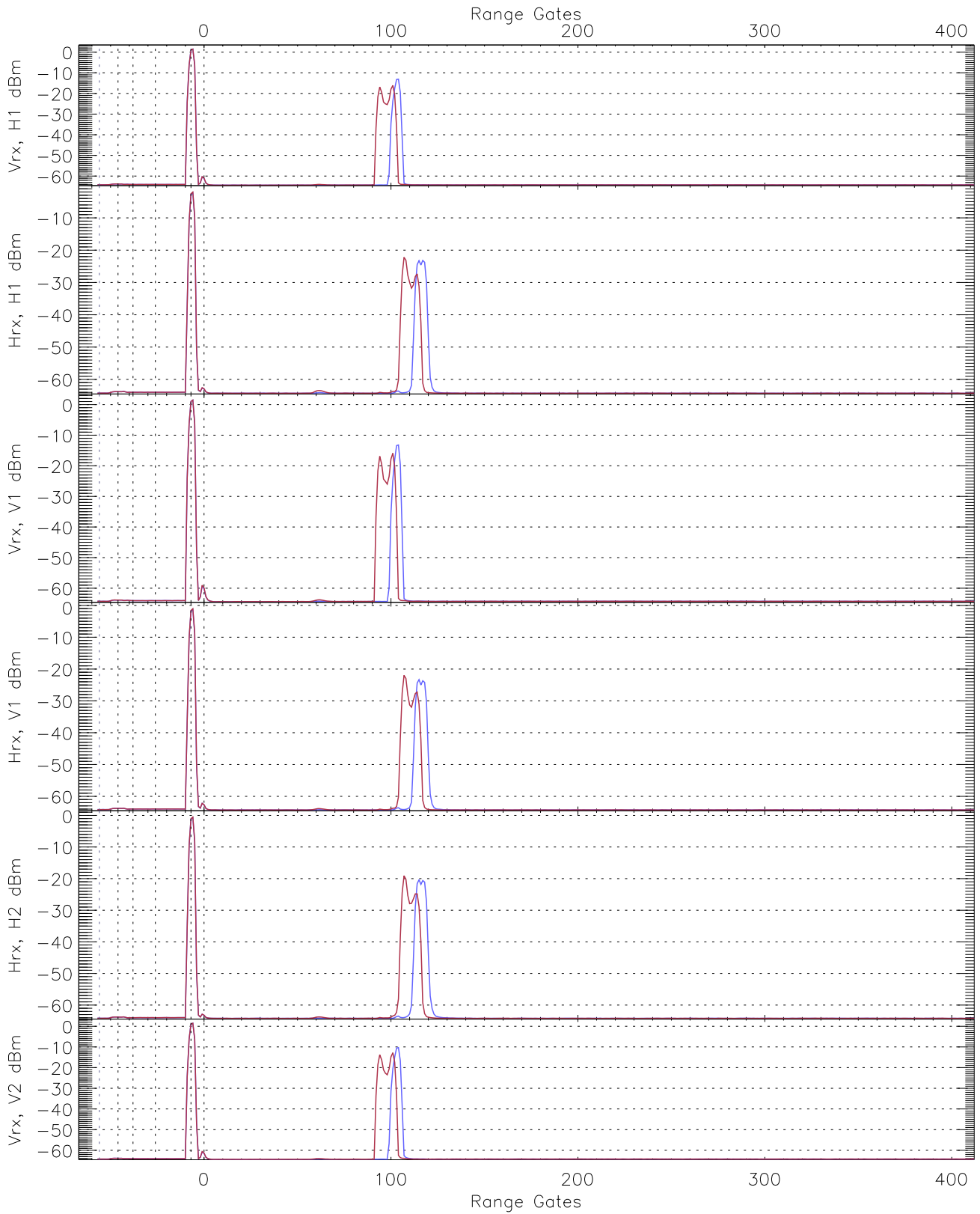
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.65	-63.79	-64.23	-64.22	-78.38
Hrx, H1 (RM [dBm])	-64.67	-63.82	-64.24	-64.22	-79.22
Vrx, V1 (RM [dBm])	-64.81	-63.87	-64.26	-64.25	-78.30
Hrx, V1 (RM [dBm])	-64.69	-63.70	-64.17	-64.17	-78.10
Hrx, H2 (RM [dBm])	-64.62	-63.65	-64.15	-64.15	-78.35
Vrx, V2 (RM [dBm])	-64.75	-63.71	-64.24	-64.23	-78.32



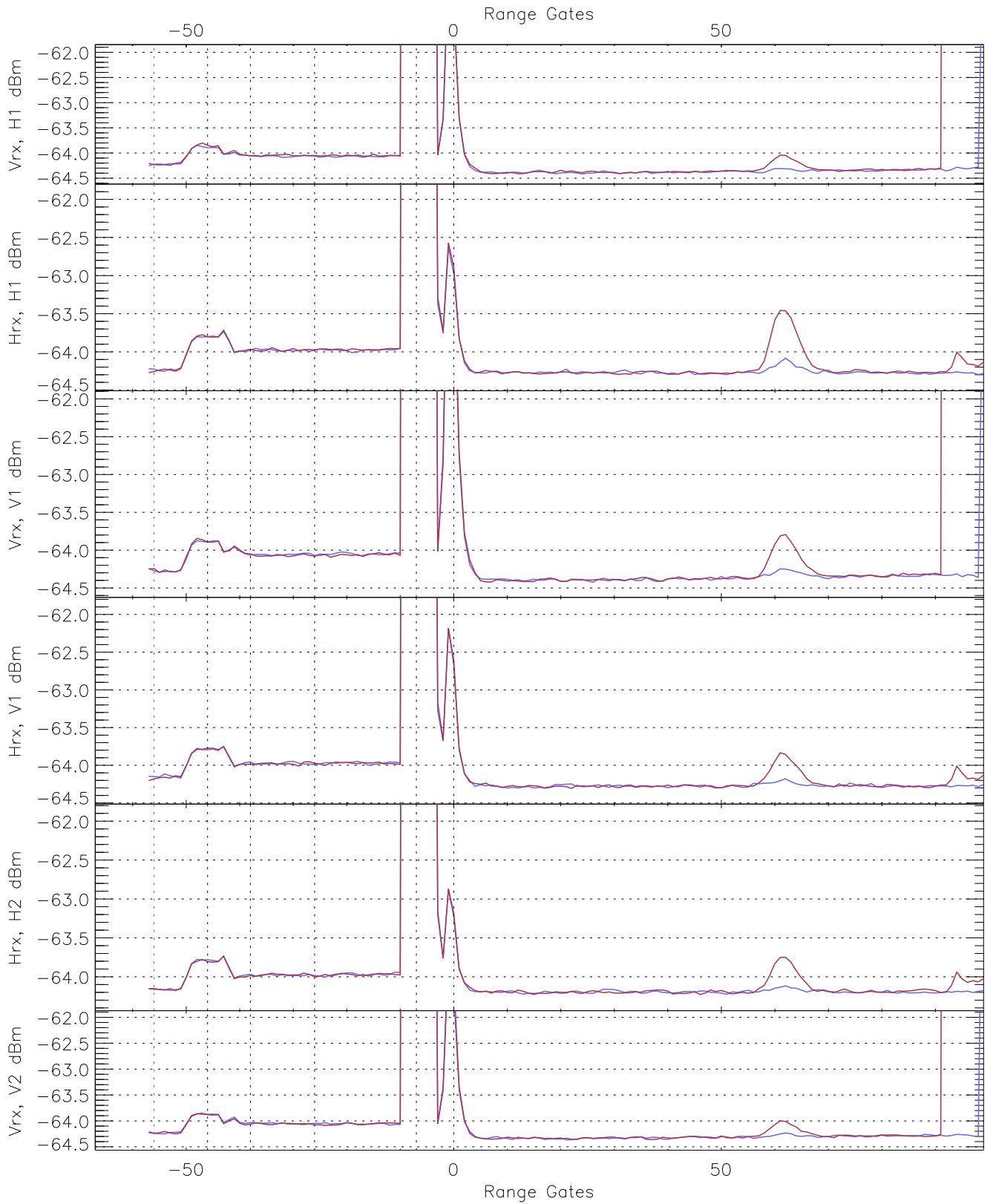
WCR3 FF4 "Best" estimate Receivers Noise Power

	Min	Max	Mean	Median	StDev
H1RG31_0 [dBm]	-65.01	-64.05	-64.41	-64.39	-78.64
H1RG407_0 [dBm]	-64.76	-63.75	-64.30	-64.30	-78.43
V1RG21_0 [dBm]	-64.95	-63.90	-64.41	-64.40	-79.07
V1RG17_0 [dBm]	-64.84	-63.83	-64.30	-64.30	-78.52
H2RG379_0 [dBm]	-64.66	-63.84	-64.22	-64.23	-78.43
V2RG22_0 [dBm]	-64.87	-63.86	-64.36	-64.36	-78.38

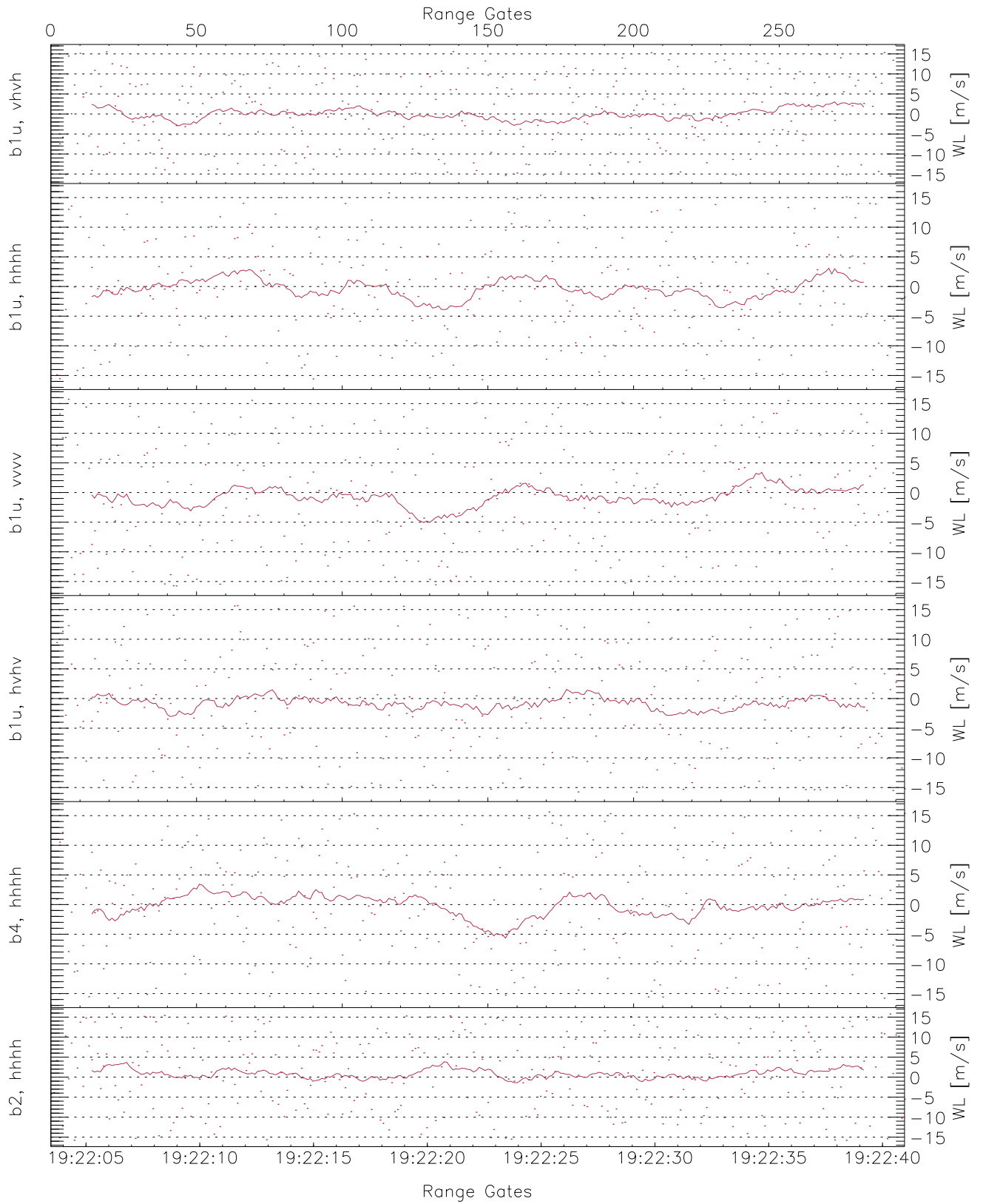


WCR3 FF4 Averaged Received power for all recorded gates  
blue: 192203-192222, 148 profiles averaged  
red: 192222-192241, 147 profiles averaged

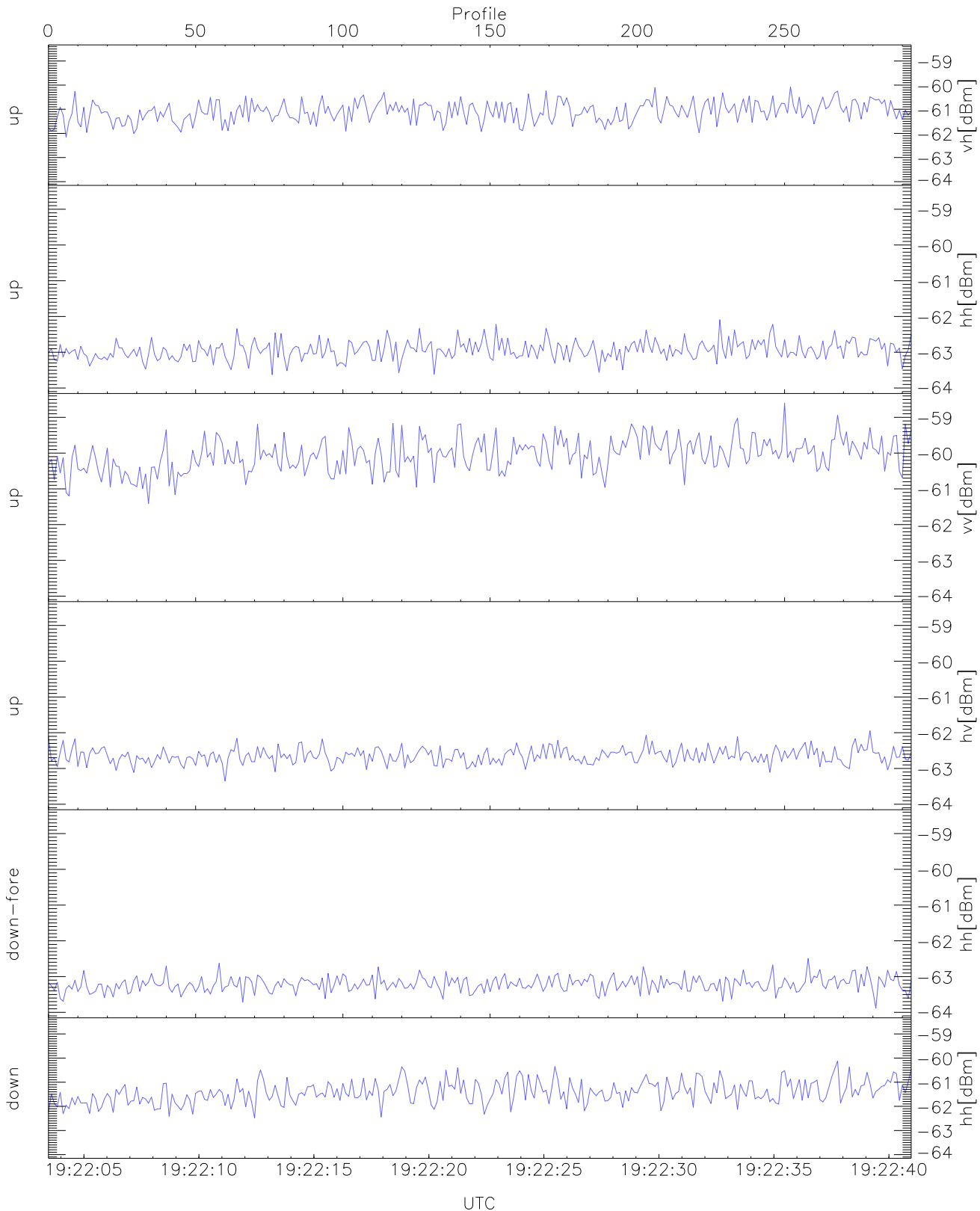




WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate  
blue: 192203-192222, 148 profiles averaged  
red: 192222-192241, 147 profiles averaged

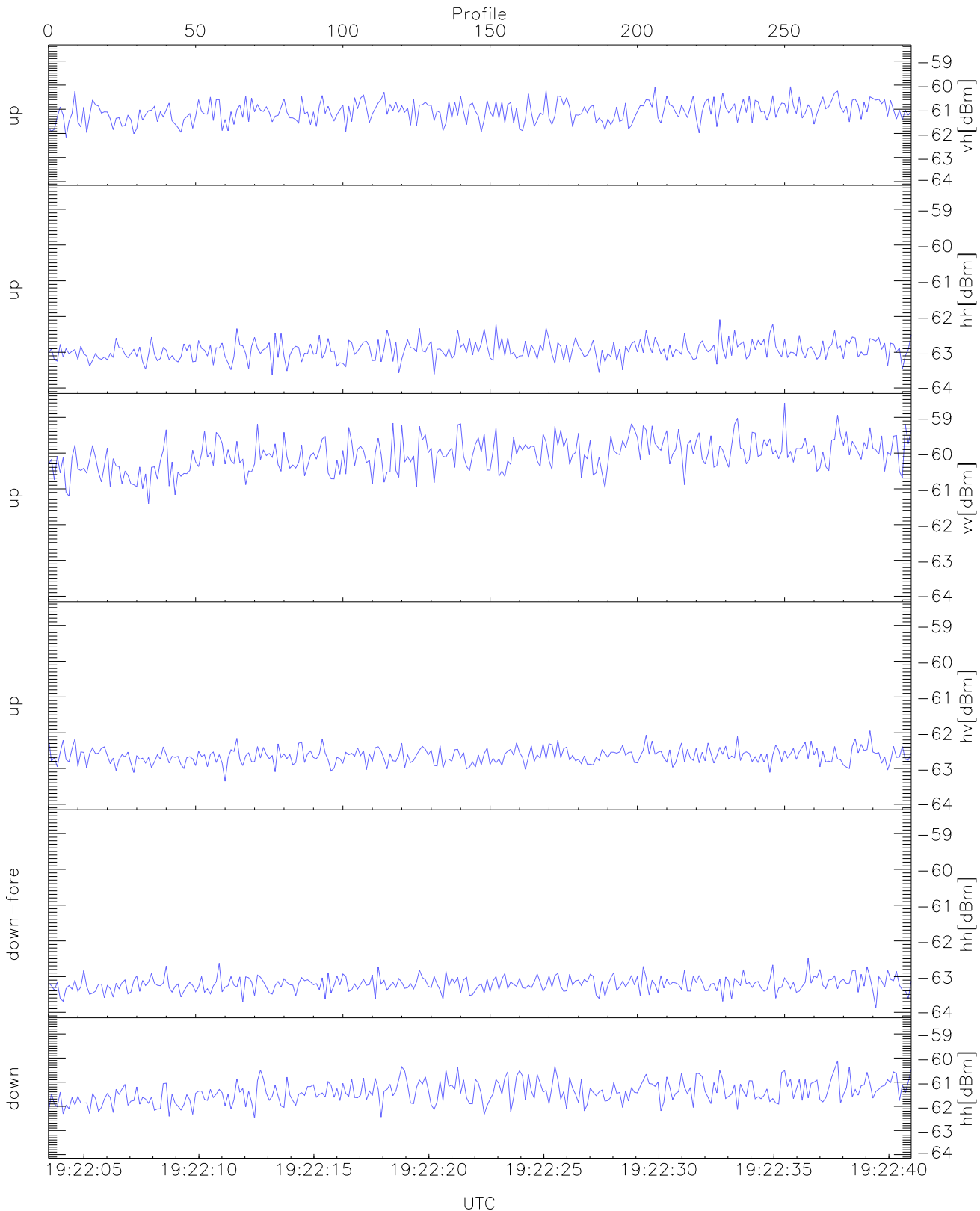


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



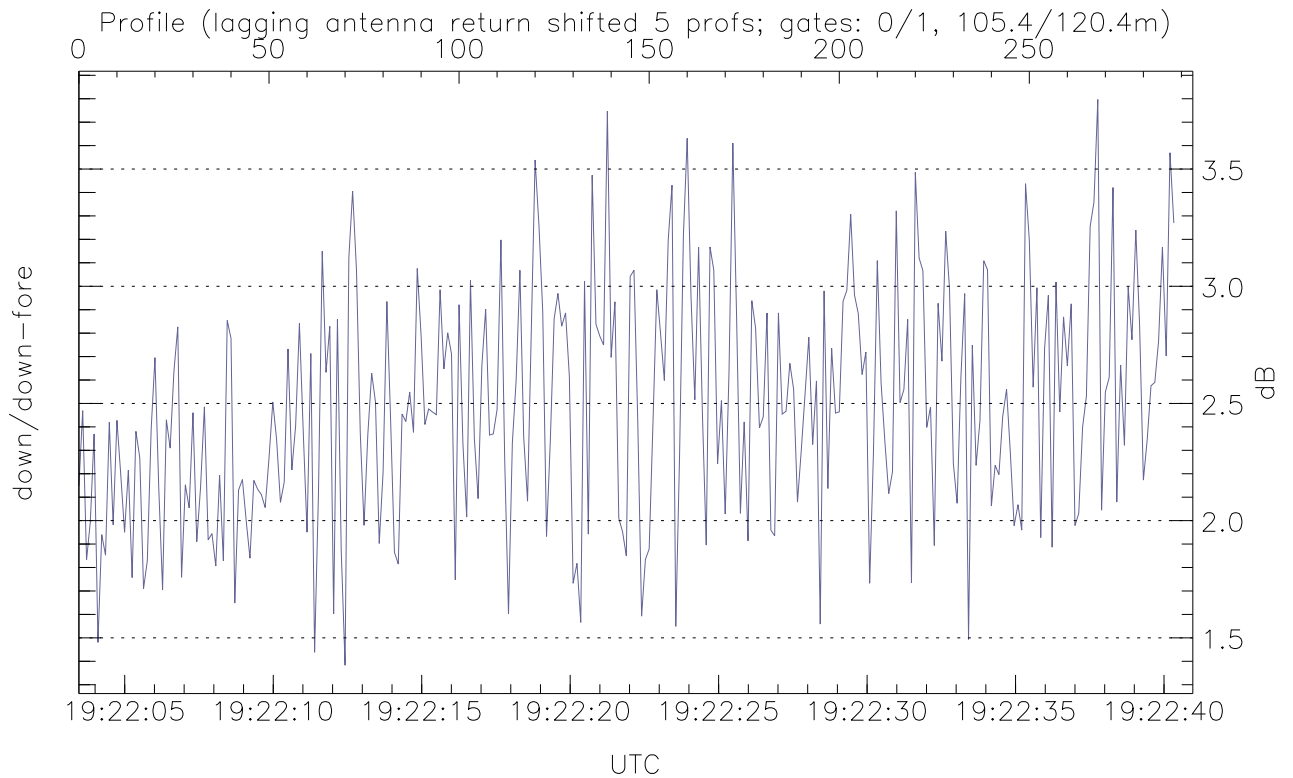
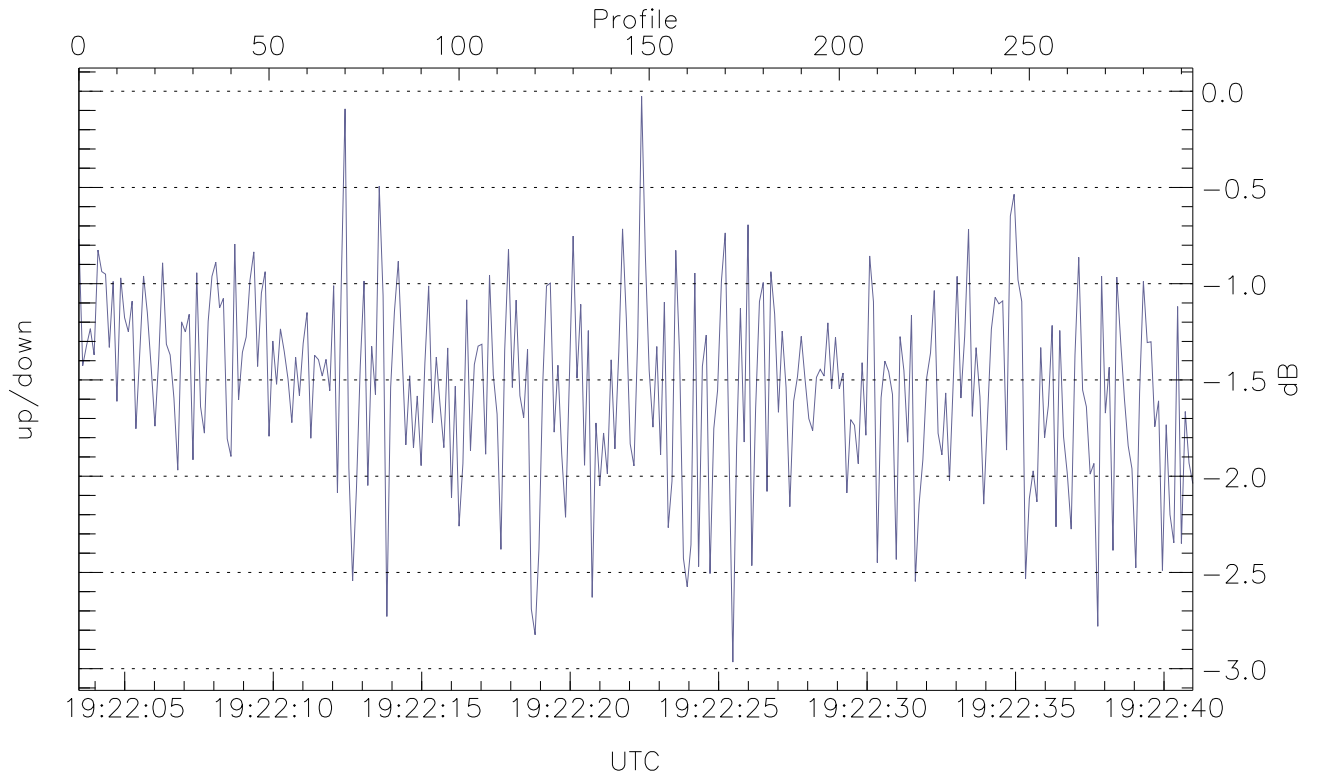
WCR3 FF4 Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-62.16	-60.06	-61.08
up(hh[dBm])	-63.63	-62.09	-62.93
up(vv[dBm])	-61.42	-58.60	-60.03
up(hv[dBm])	-63.36	-61.94	-62.64
down-fore(hh[dBm])	-63.89	-62.49	-63.20
down(hh[dBm])	-62.49	-60.11	-61.38



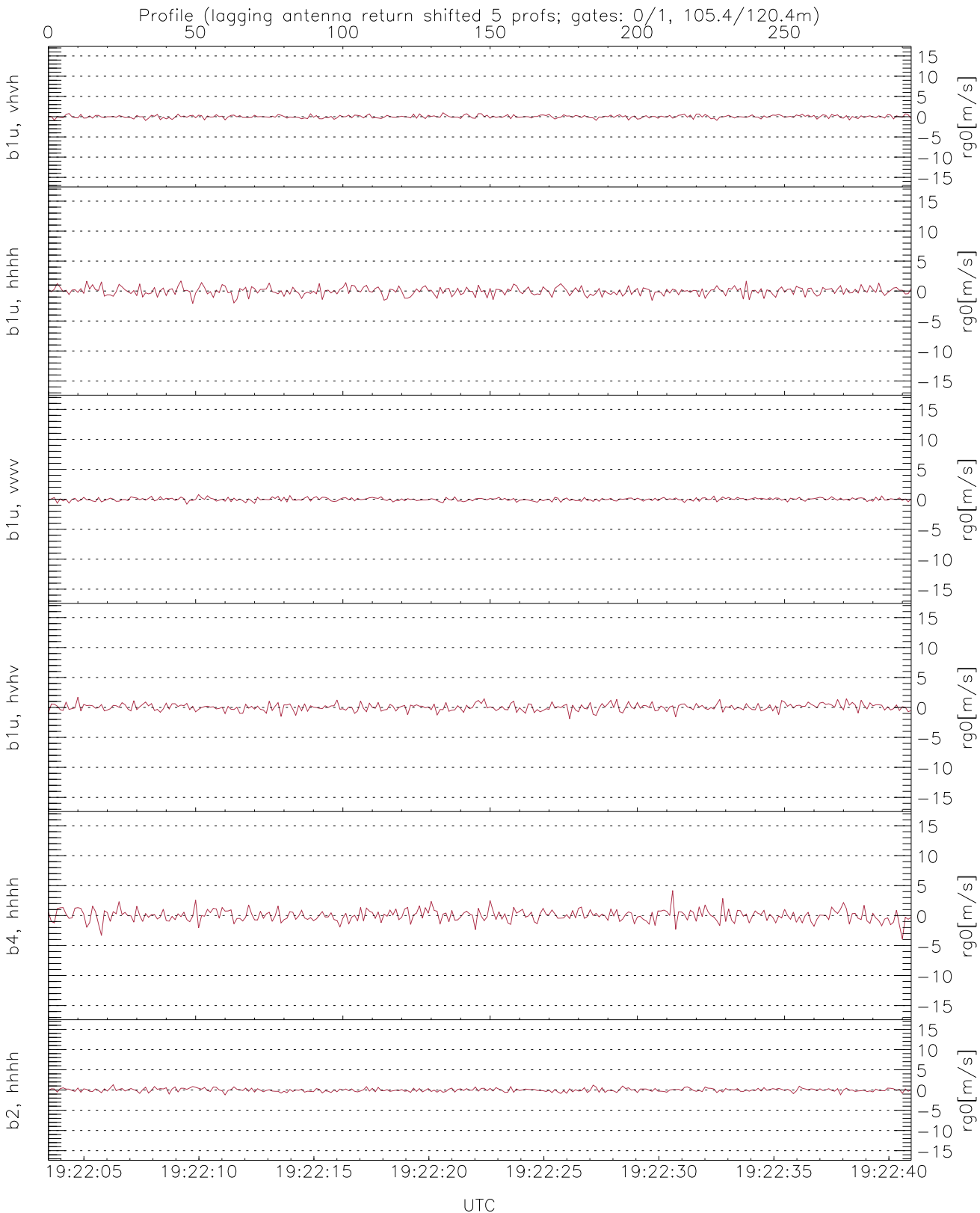
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-62.16	-60.06	-61.08
up(hh[dBm])	-63.63	-62.09	-62.93
up(vv[dBm])	-61.42	-58.60	-60.03
up(hv[dBm])	-63.36	-61.94	-62.64
down-fore(hh[dBm])	-63.89	-62.49	-63.20
down(hh[dBm])	-62.49	-60.11	-61.38



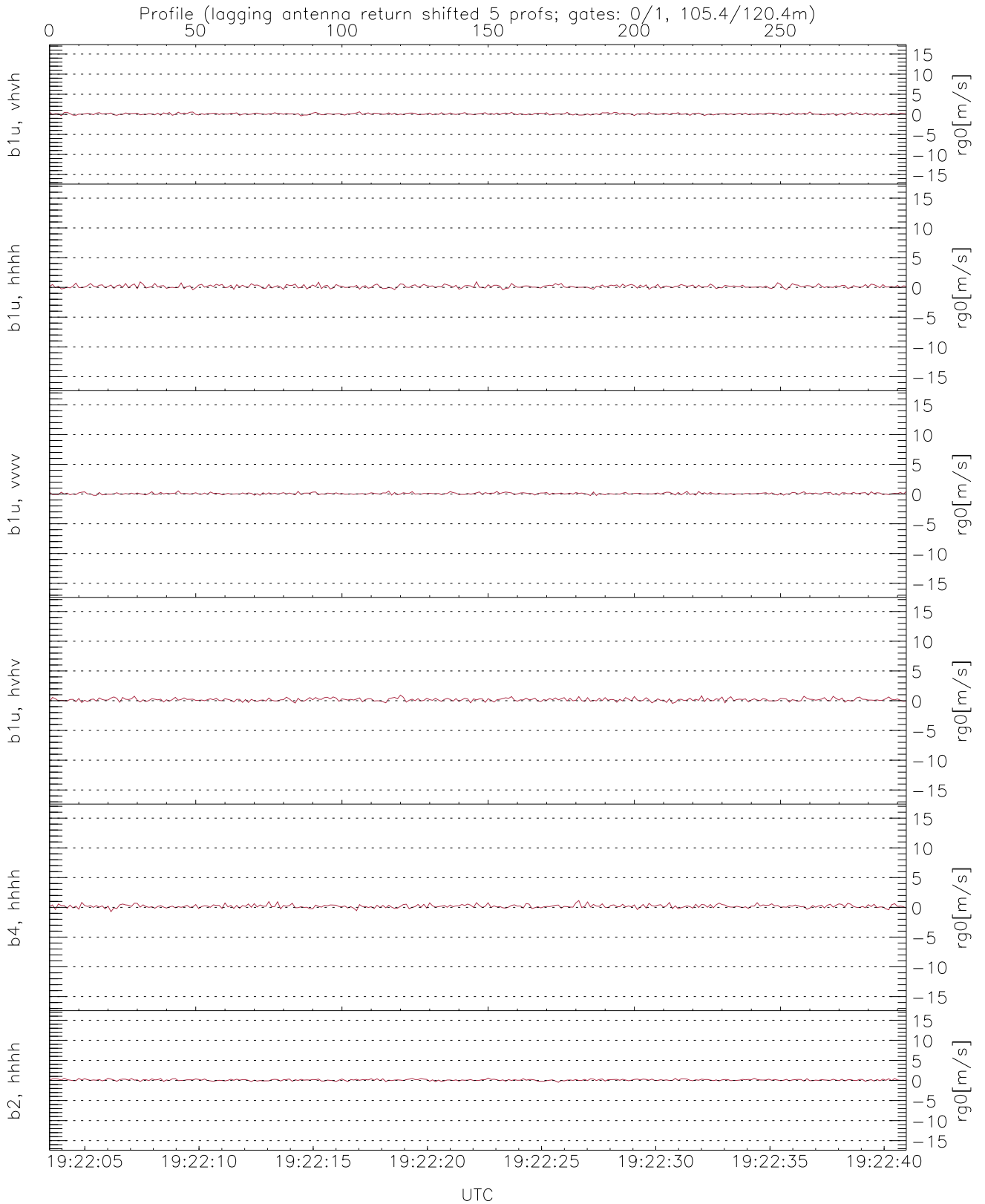
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

	Min	Max	Mean
up/down (dB)	-2.97	-0.03	-1.53
down/down-fore (dB)	1.38	3.80	2.49



WCR3 FF4 Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.94	0.98	0.00	0.35
b1u, hhhh(rg0[m/s])	-2.08	1.69	-0.01	0.67
b1u, vvvv(rg0[m/s])	-0.81	0.78	-0.02	0.25
b1u, hvhv(rg0[m/s])	-1.90	1.72	0.04	0.59
b4, hhhh(rg0[m/s])	-3.89	4.20	0.03	1.00
b2, hhhh(rg0[m/s])	-1.20	1.32	0.01	0.41



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

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.39	0.62	0.11	0.19
b1u, hhhh(rg0[m/s])	-0.40	0.94	0.17	0.25
b1u, vvvv(rg0[m/s])	-0.24	0.53	0.09	0.15
b1u, hvhv(rg0[m/s])	-0.44	0.94	0.17	0.24
b4, hhhh(rg0[m/s])	-0.72	1.15	0.20	0.27
b2, hhhh(rg0[m/s])	-0.47	0.60	0.12	0.18