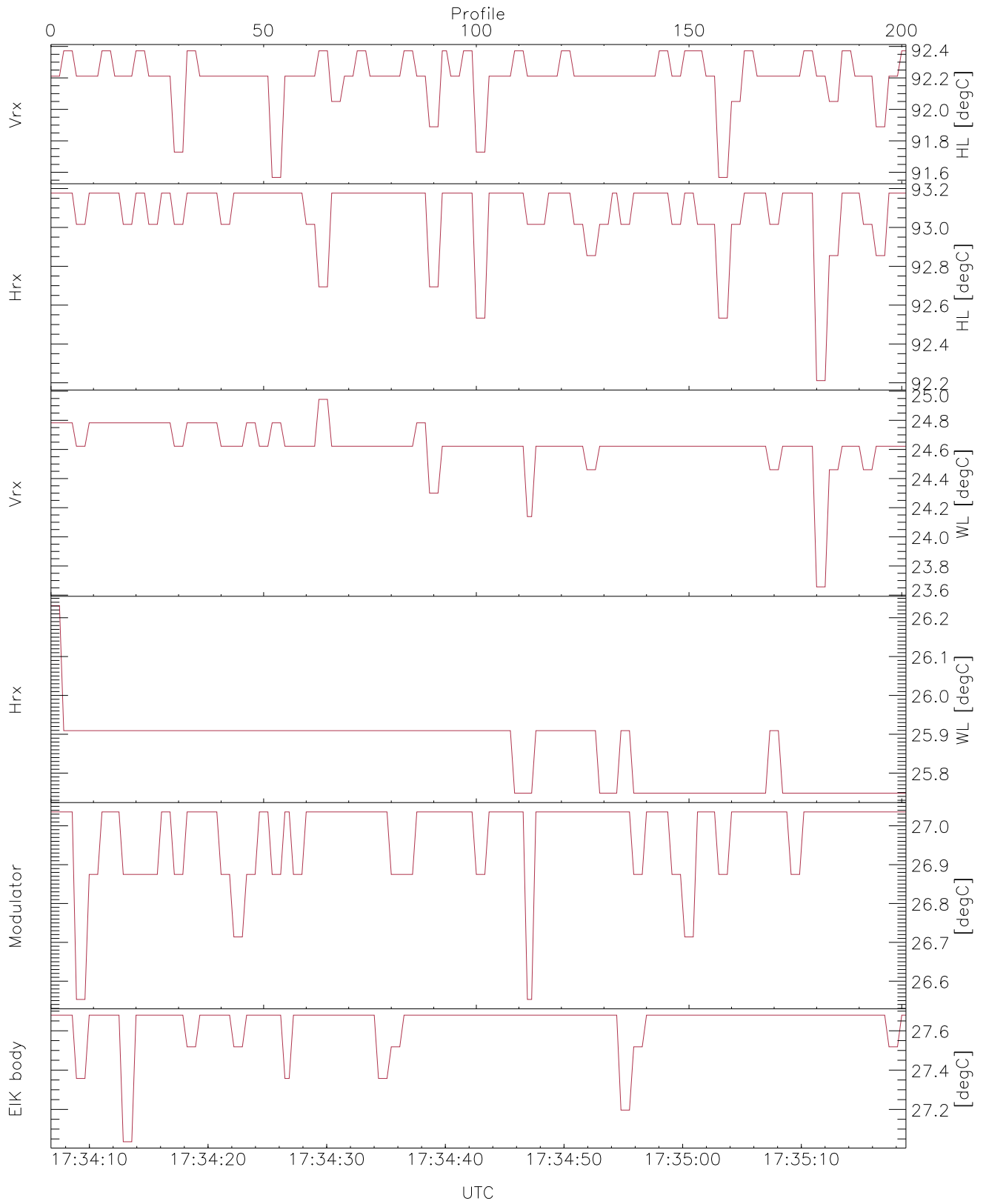


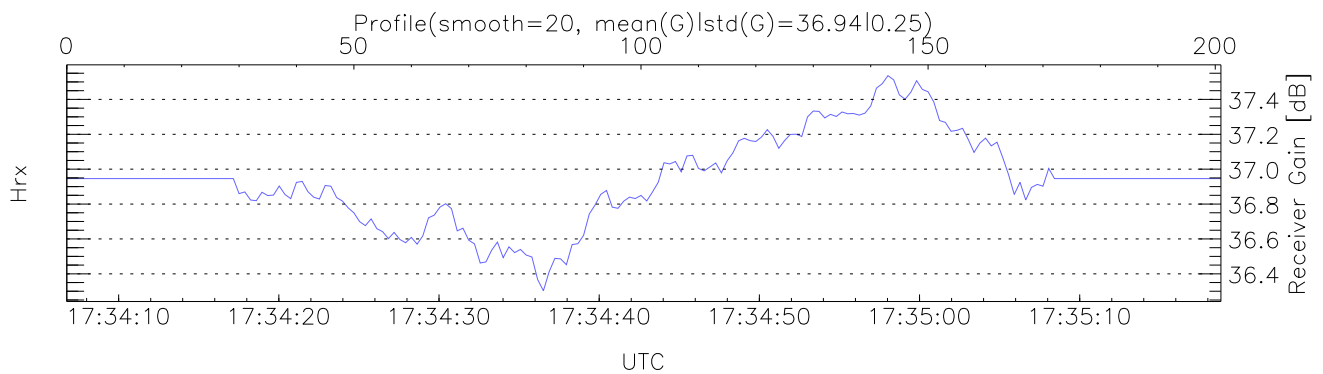
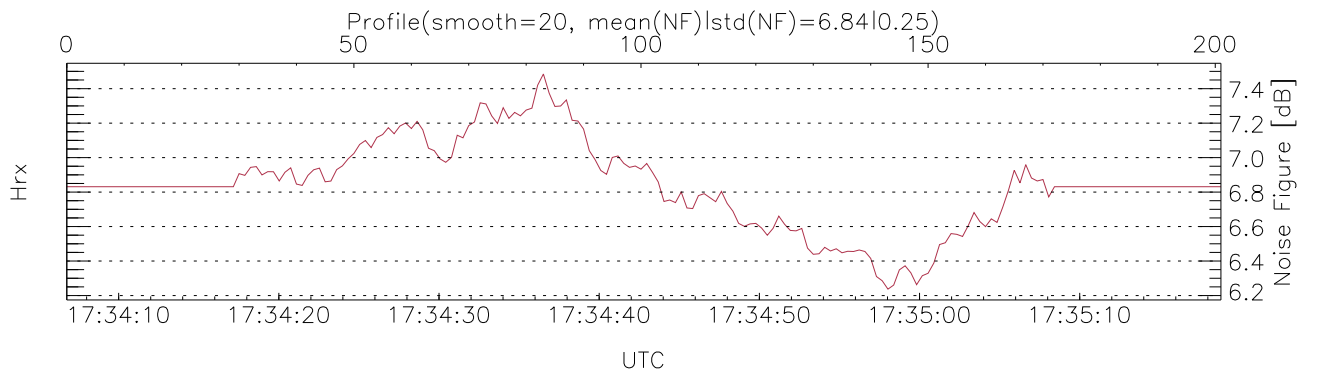
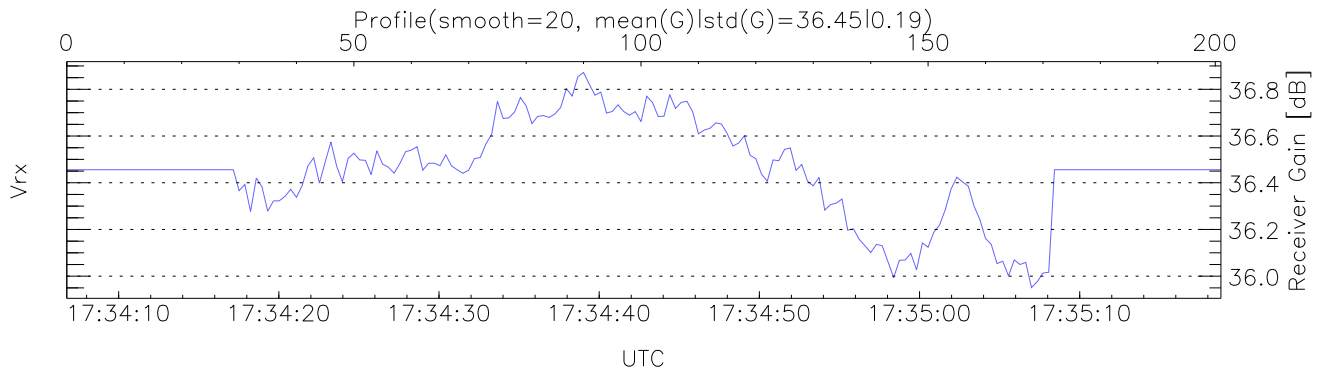
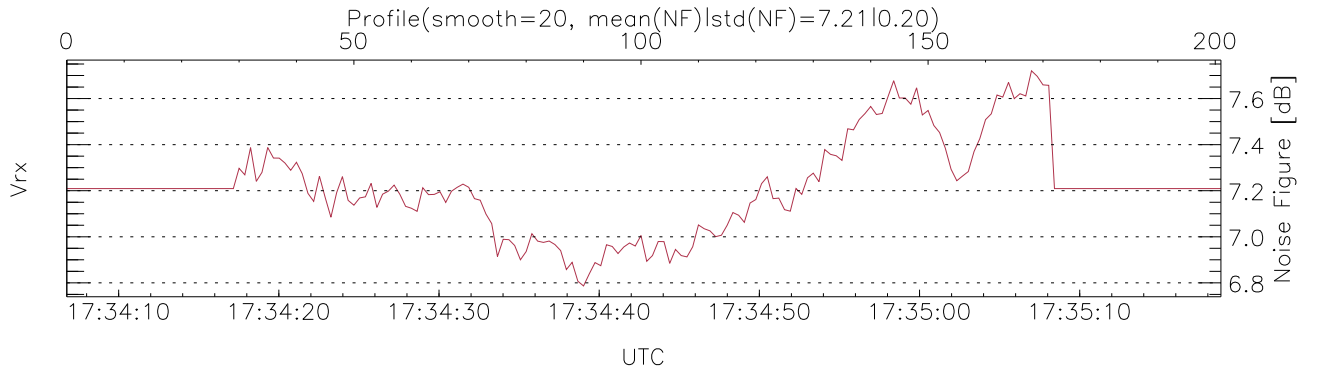
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:34:07-17:35:19, TimeCor: 0.00s, Dur: 72.06s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 358.5,358.5,358.5,0.0 ms / 2.8,2.8,2.8  
 NumRec(r/t): 202/202, 0-201/17:34:07-17:35:19  
 AcqTime: 358.4ms, Rate: 0.627MB/s, Averages (req.,actual): 30,28  
 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: 0.9  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1  
 FFTlen: 32, FFTwin: rectangular, # averagedFFT: 28, cr-polFFT: YES  
 FFTres: 0.493,0.493,0.493,0.493,0.493,0.493,0.493,0.493 m/s, PulsePairCalc: NO



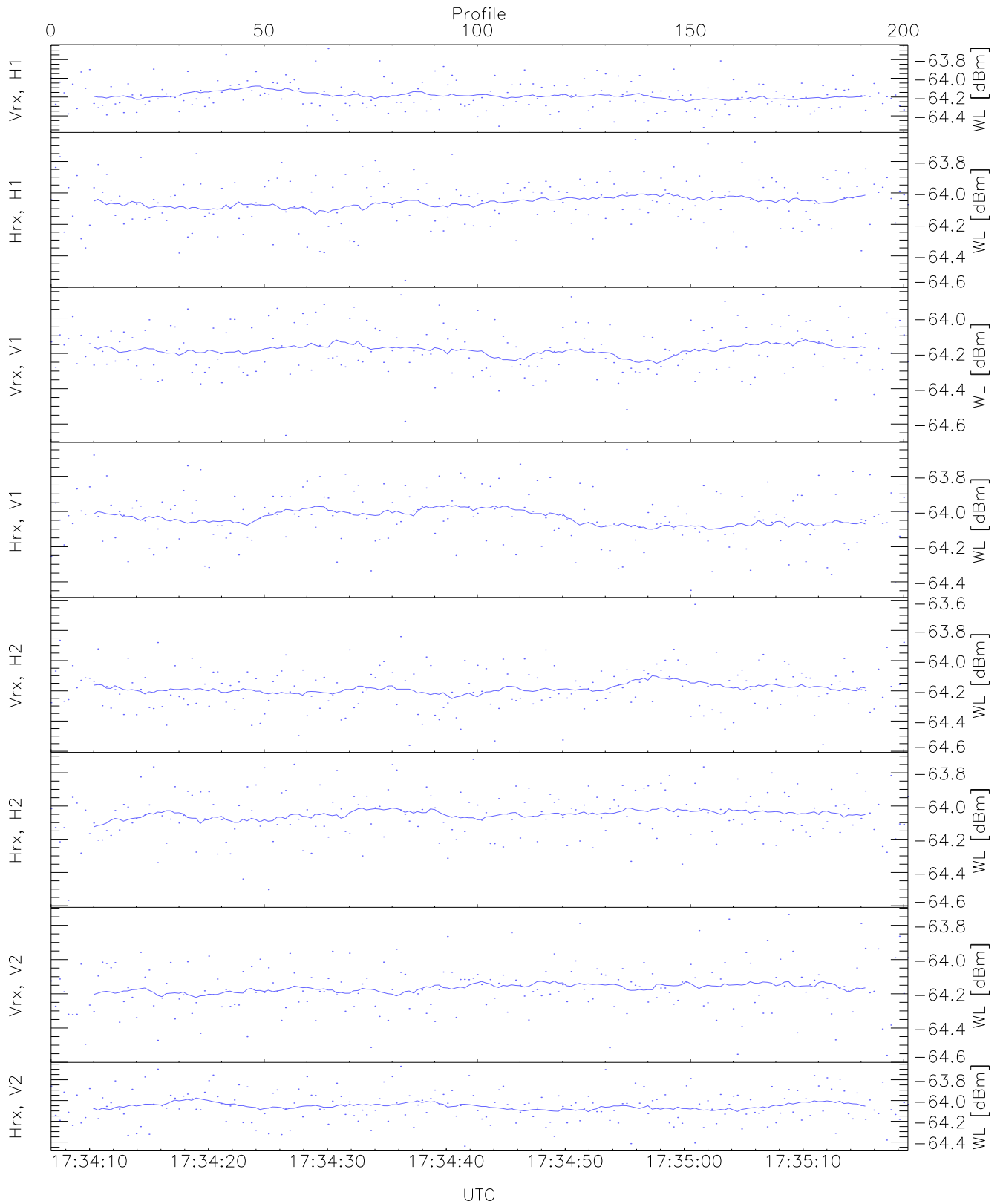
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,23,25,26,27  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,24,26,27,27  
LOalarm(20,240,2817,14861 MHz): None  
EIK/Modulator Faults: None



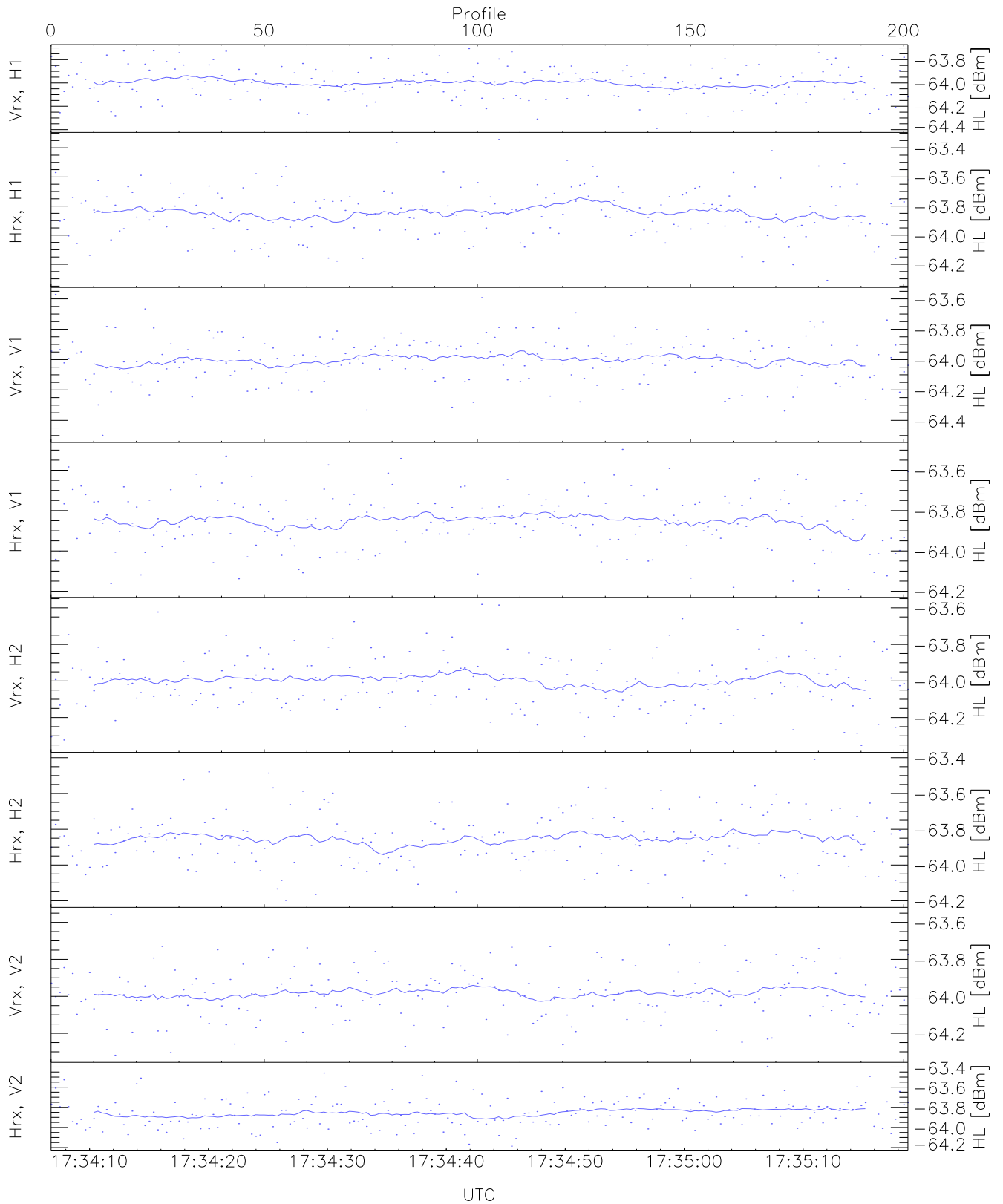
### WCR3 FF4 Receivers Gain and Noise Figure

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



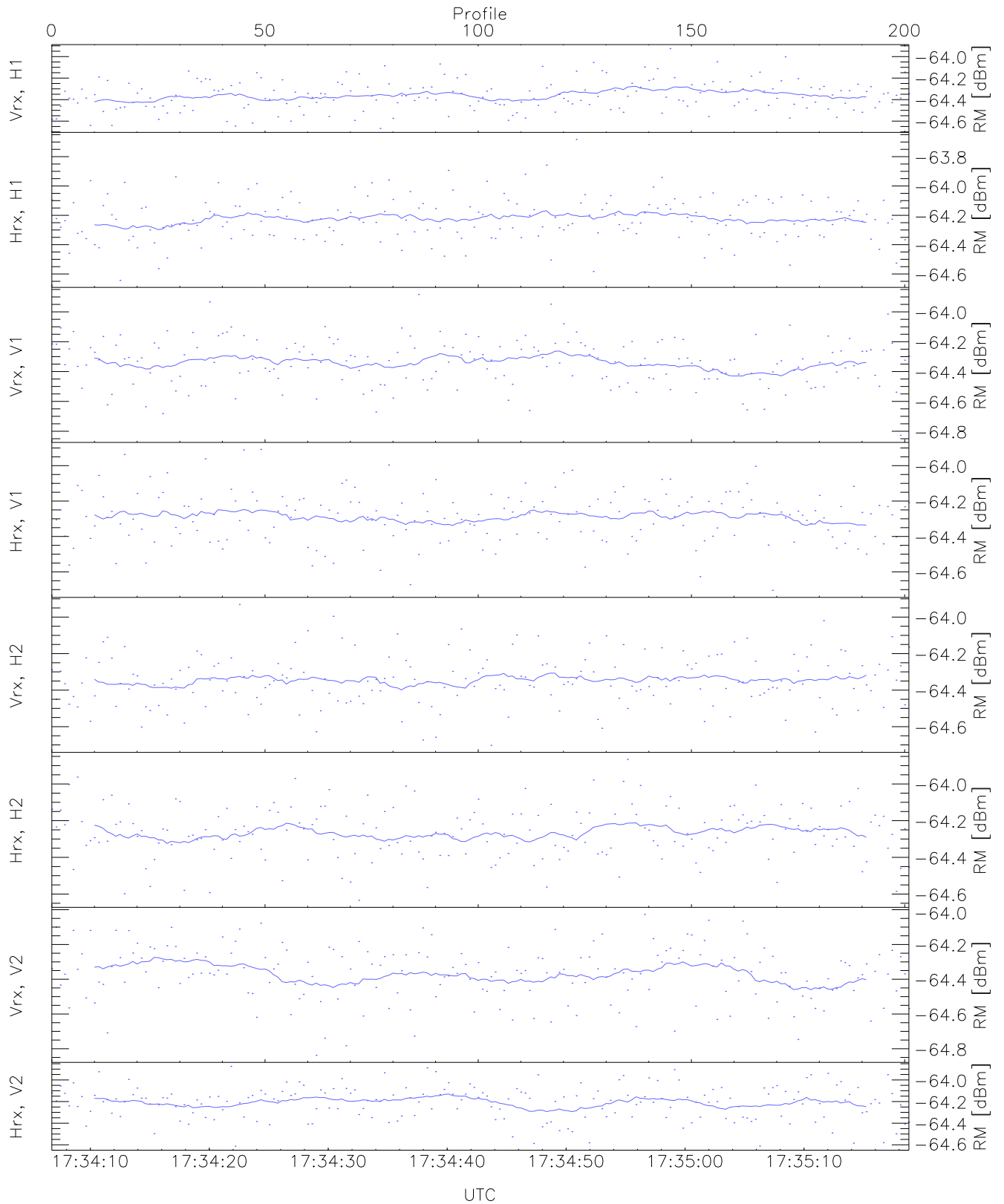
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.53	-63.68	-64.18	-64.19	-78.70
Hrx, H1 (WL [dBm])	-64.56	-63.66	-64.05	-64.04	-78.61
Vrx, V1 (WL [dBm])	-64.66	-63.87	-64.18	-64.18	-79.21
Hrx, V1 (WL [dBm])	-64.45	-63.65	-64.03	-64.03	-78.68
Vrx, H2 (WL [dBm])	-64.56	-63.63	-64.18	-64.18	-78.88
Hrx, H2 (WL [dBm])	-64.57	-63.72	-64.05	-64.05	-78.82
Vrx, V2 (WL [dBm])	-64.56	-63.74	-64.16	-64.18	-78.83
Hrx, V2 (WL [dBm])	-64.44	-63.67	-64.05	-64.05	-78.61



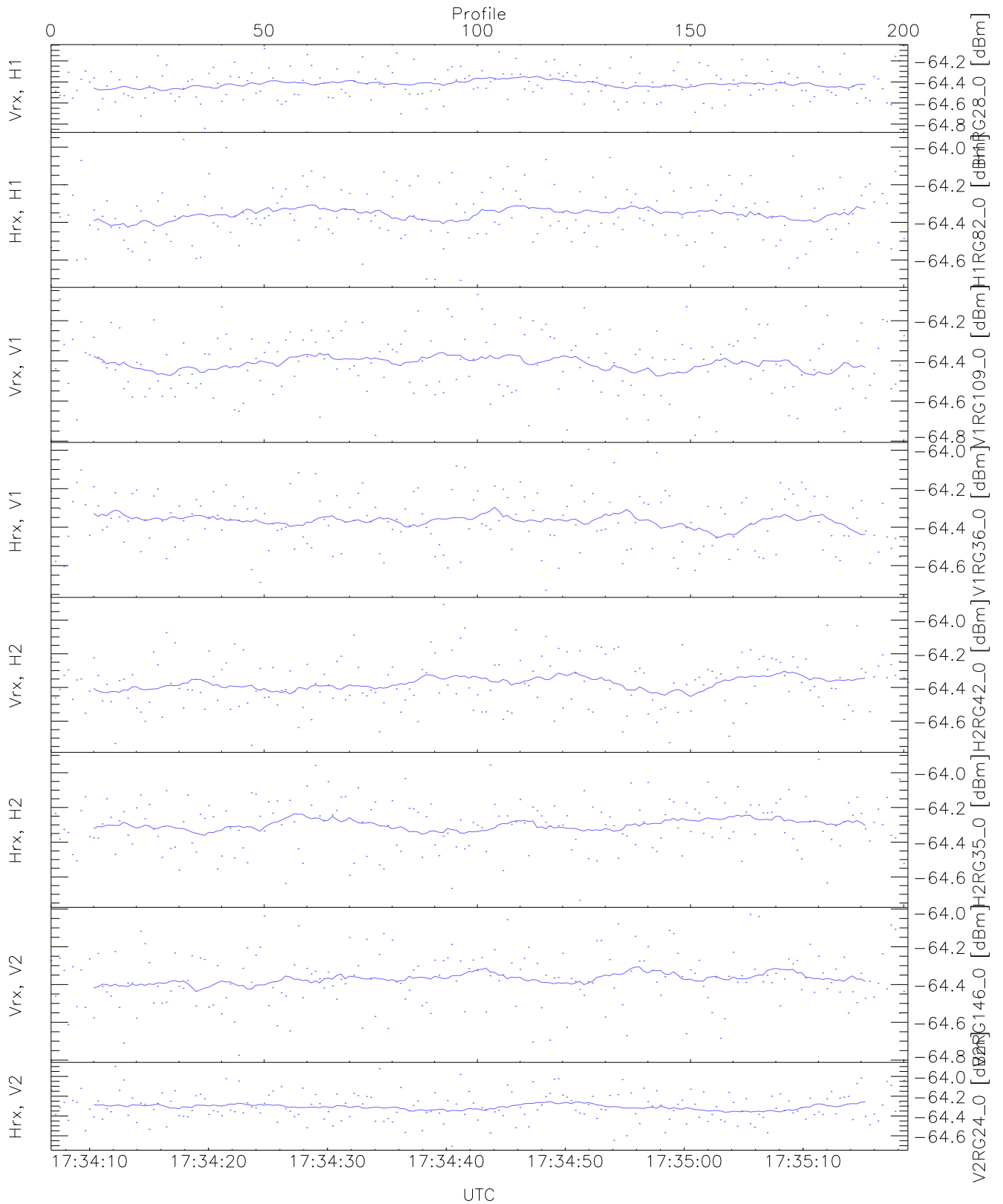
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.39	-63.71	-64.00	-64.00	-79.01
Hrx, H1 (HL [dBm])	-64.31	-63.34	-63.84	-63.85	-77.96
Vrx, V1 (HL [dBm])	-64.50	-63.57	-64.00	-64.00	-78.66
Hrx, V1 (HL [dBm])	-64.20	-63.50	-63.85	-63.86	-78.74
Vrx, H2 (HL [dBm])	-64.35	-63.58	-64.00	-64.01	-78.69
Hrx, H2 (HL [dBm])	-64.20	-63.41	-63.85	-63.86	-78.44
Vrx, V2 (HL [dBm])	-64.32	-63.56	-63.98	-63.99	-79.03
Hrx, V2 (HL [dBm])	-64.19	-63.39	-63.85	-63.87	-78.59



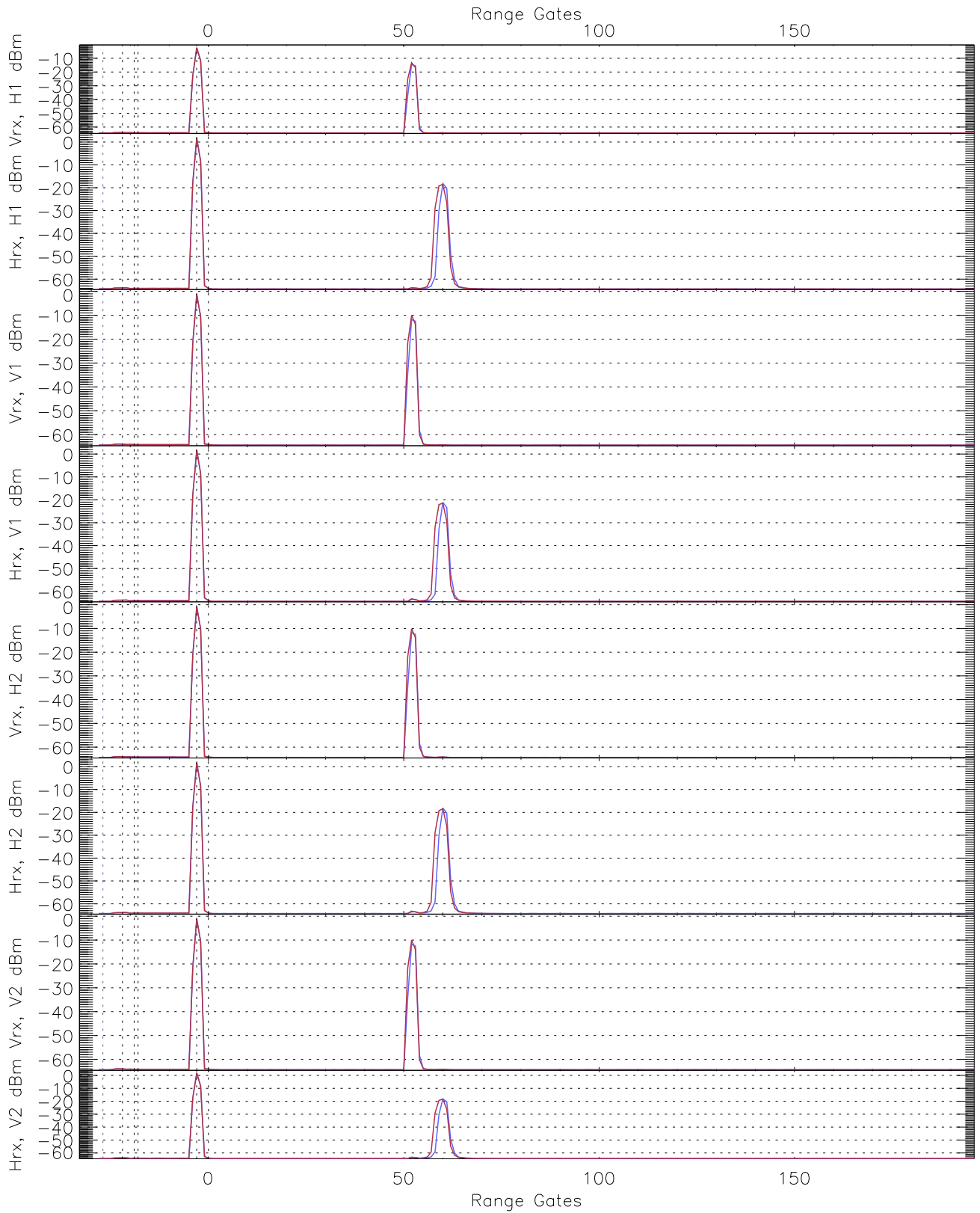
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.67	-63.93	-64.36	-64.37	-79.33
Hrx, H1 (RM [dBm])	-64.64	-63.68	-64.22	-64.23	-78.93
Vrx, V1 (RM [dBm])	-64.83	-63.88	-64.34	-64.33	-78.88
Hrx, V1 (RM [dBm])	-64.70	-63.91	-64.29	-64.28	-79.11
Vrx, H2 (RM [dBm])	-64.70	-63.93	-64.34	-64.35	-79.31
Hrx, H2 (RM [dBm])	-64.63	-63.87	-64.26	-64.26	-79.13
Vrx, V2 (RM [dBm])	-64.84	-64.03	-64.37	-64.36	-78.79
Hrx, V2 (RM [dBm])	-64.61	-63.87	-64.21	-64.19	-78.77



WCR3 FF4 "Best" estimate Receivers Noise Power

	Min	Max	Mean	Median	StDev
H1RG28_0 [dBm]	-64.84	-64.08	-64.42	-64.43	-79.41
H1RG82_0 [dBm]	-64.71	-63.96	-64.35	-64.37	-79.17
V1RG109_0 [dBm]	-64.77	-64.07	-64.41	-64.40	-78.97
V1RG36_0 [dBm]	-64.73	-64.00	-64.37	-64.37	-79.32
H2RG42_0 [dBm]	-64.74	-63.91	-64.37	-64.38	-78.99
H2RG35_0 [dBm]	-64.73	-63.92	-64.30	-64.29	-79.16
V2RG146_0 [dBm]	-64.77	-64.03	-64.37	-64.37	-79.17
V2RG24_0 [dBm]	-64.71	-63.90	-64.30	-64.32	-79.15

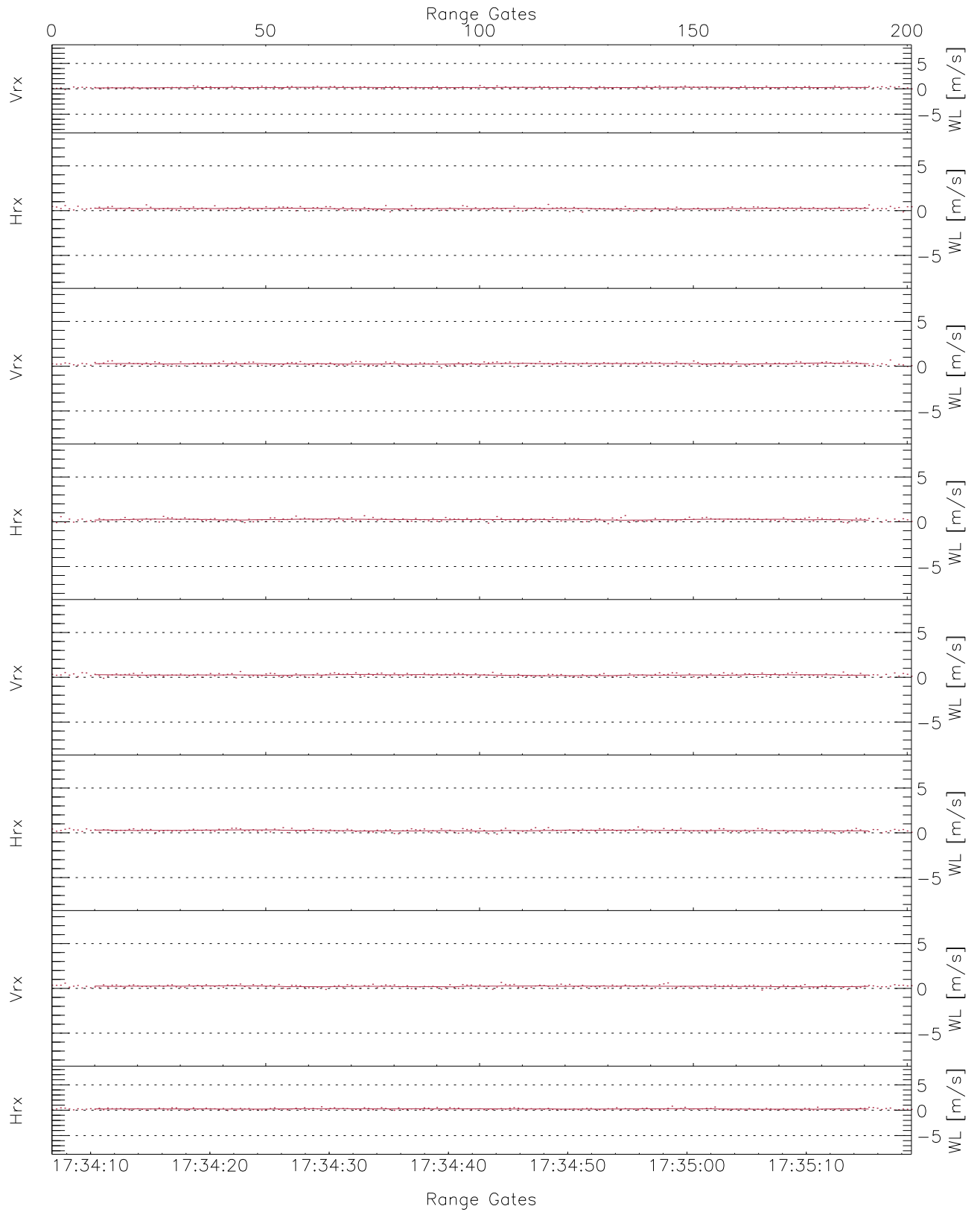


WCR3 FF4 Averaged Received power for all recorded gates  
blue: 173407-173443, 102 profiles averaged  
red: 173443-173519, 101 profiles averaged

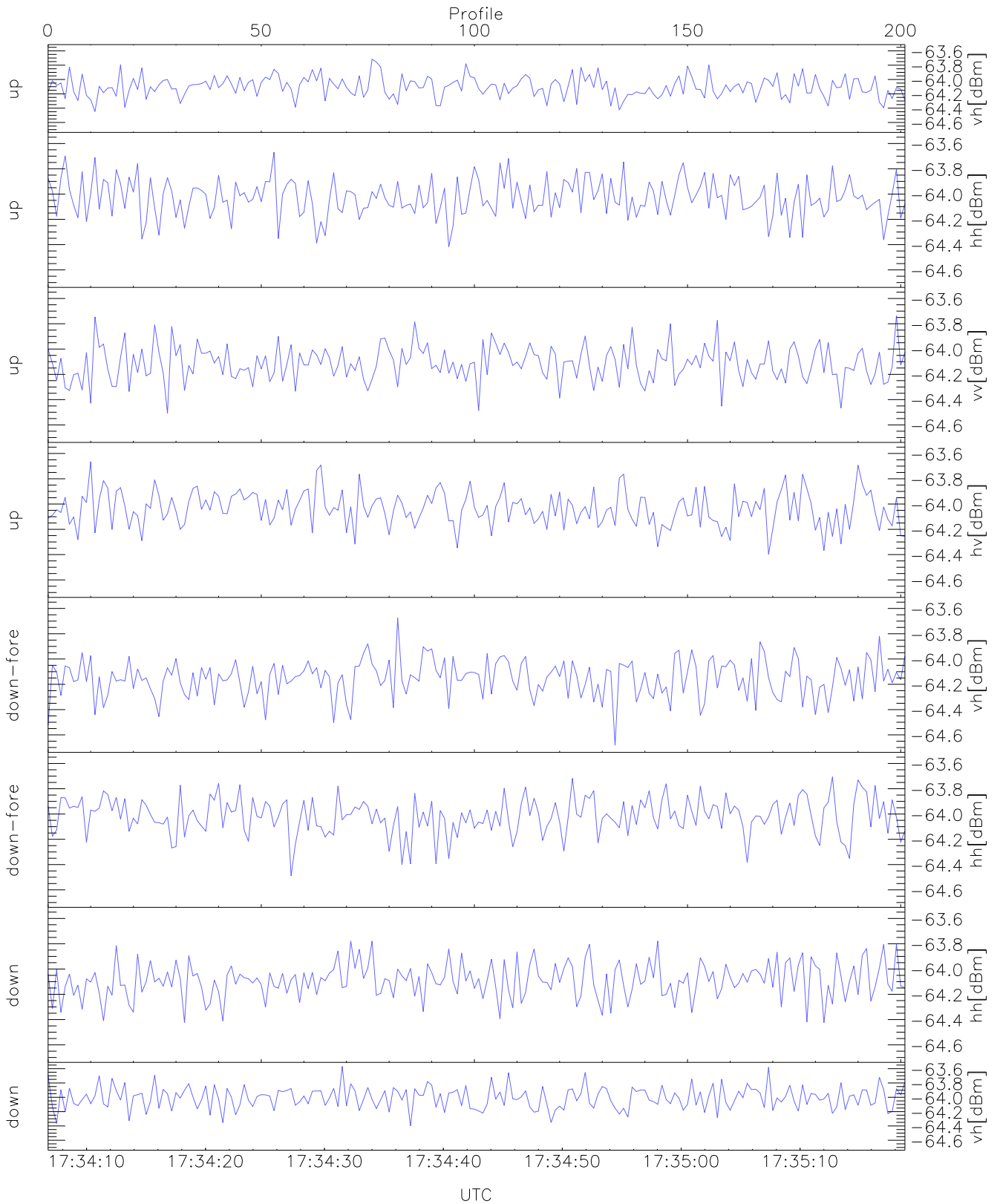




WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate  
 blue: 173407-173443, 102 profiles averaged  
 red: 173443-173519, 101 profiles averaged

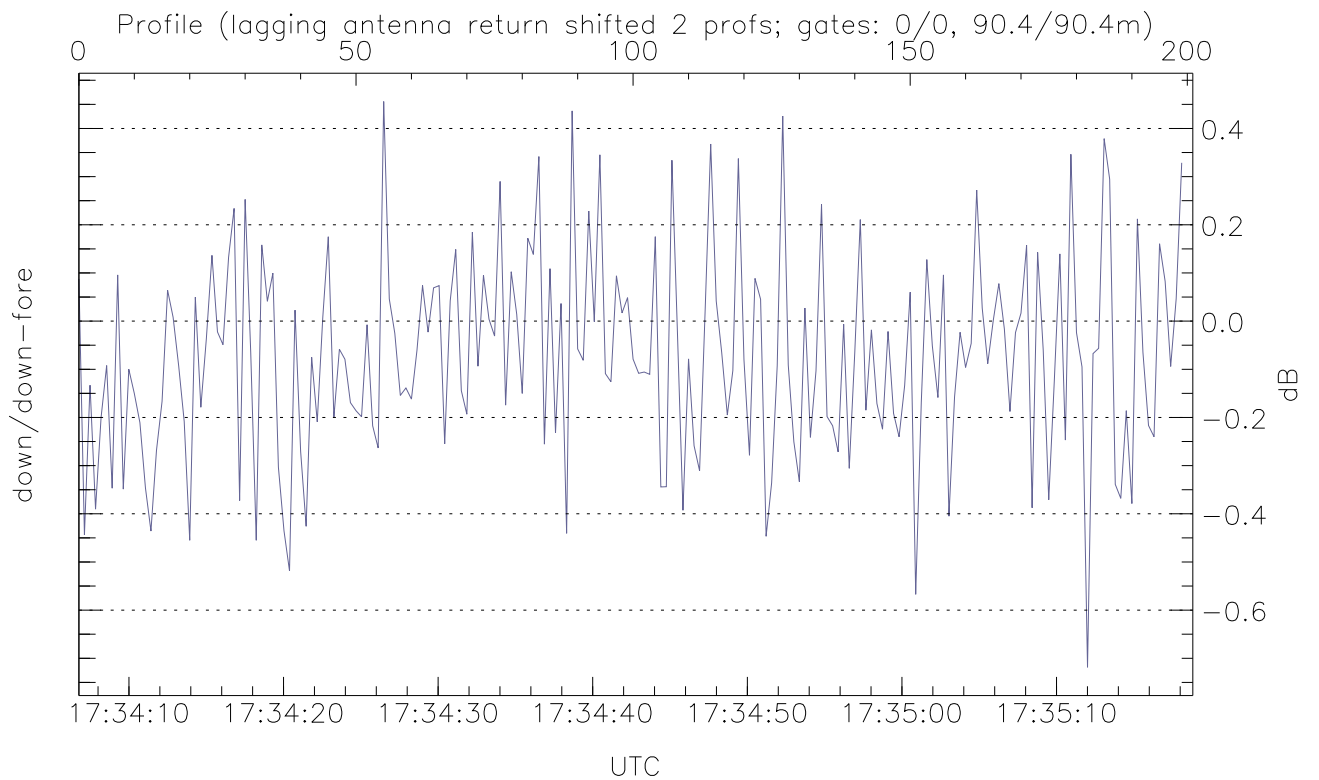
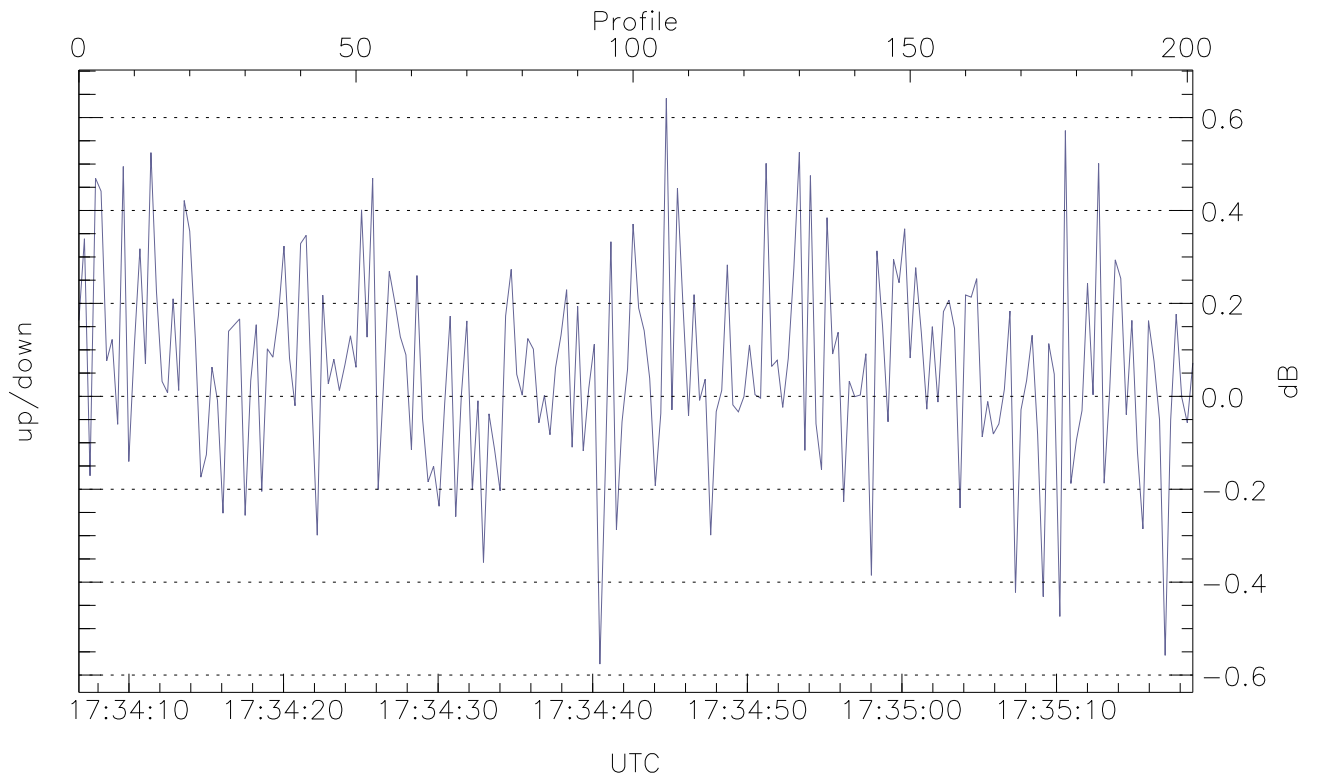


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



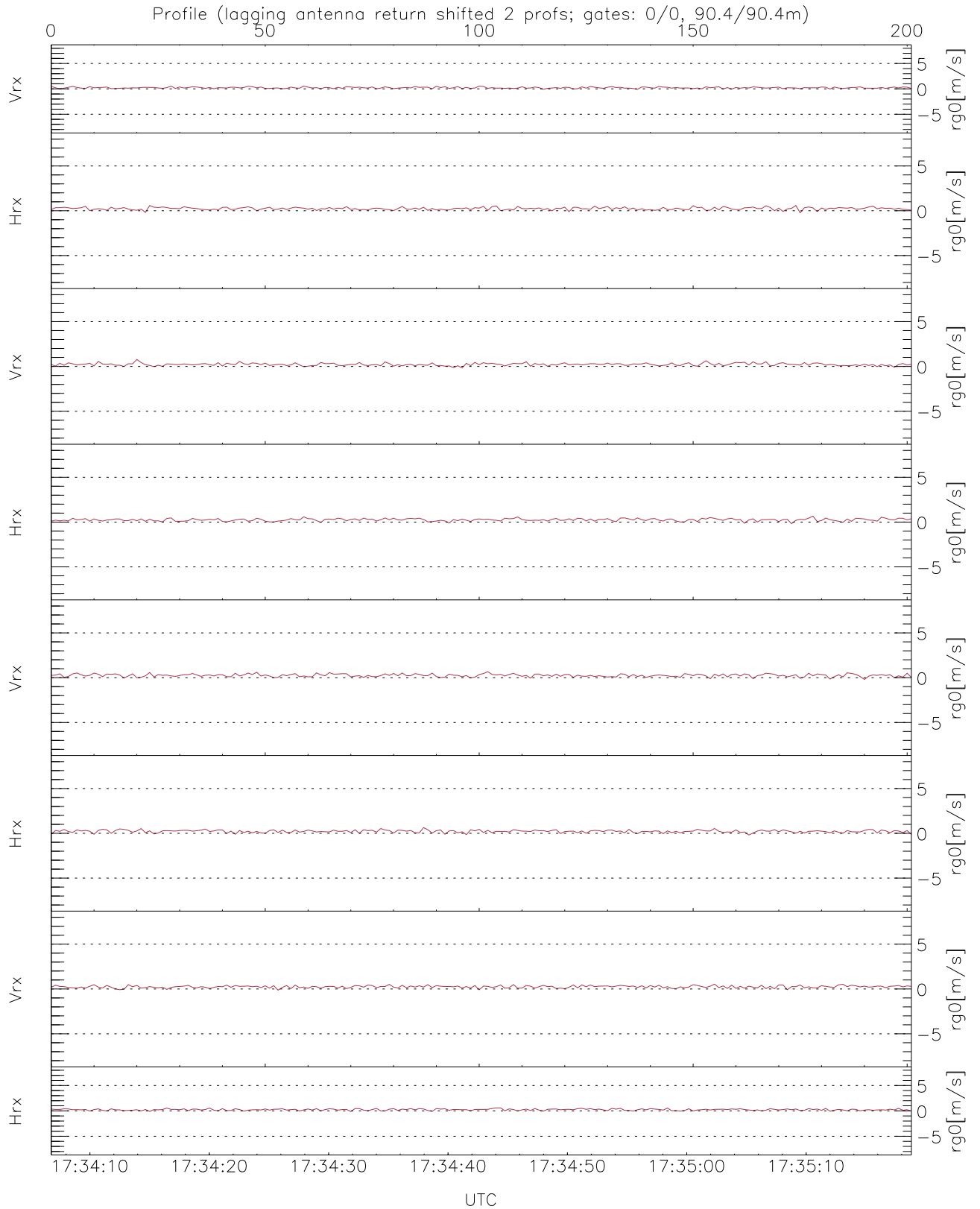
WCR3 FF4 Received Power Products for Range gate 0 (90.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.45	-63.72	-64.10
up(hh[dBm])	-64.42	-63.67	-64.03
up(vv[dBm])	-64.51	-63.73	-64.11
up(hv[dBm])	-64.40	-63.66	-64.04
down-fore(vh[dBm])	-64.68	-63.67	-64.15
down-fore(hh[dBm])	-64.49	-63.71	-64.01
down(hh[dBm])	-64.42	-63.78	-64.09
down(vh[dBm])	-64.40	-63.57	-64.00



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

	Min	Max	Mean
up/down (dB)	-0.58	0.64	0.06
down/down-fore (dB)	-0.72	0.46	-0.07



WCR3 FF4 Doppler Velocity Products at 90.4 m range

	Min	Max	Mean	StDev
Vrx(rg0[m/s])	-0.09	0.55	0.22	0.13
Hrx(rg0[m/s])	-0.22	0.60	0.25	0.14
Vrx(rg0[m/s])	-0.17	0.77	0.23	0.14
Hrx(rg0[m/s])	-0.18	0.66	0.25	0.14
Vrx(rg0[m/s])	-0.19	0.68	0.26	0.16
Hrx(rg0[m/s])	-0.18	0.64	0.23	0.15
Vrx(rg0[m/s])	-0.13	0.54	0.25	0.13
Hrx(rg0[m/s])	-0.12	0.59	0.24	0.15