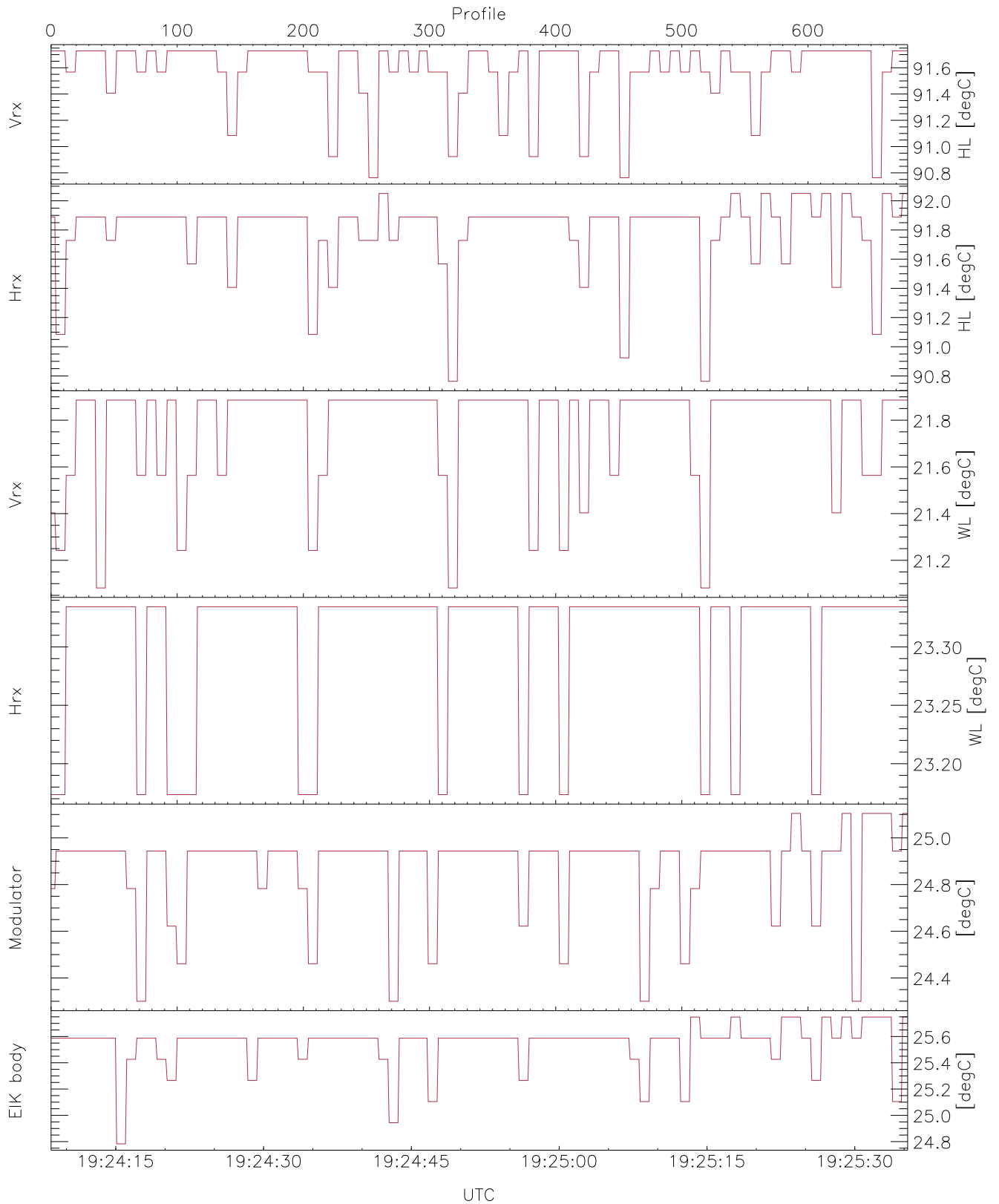


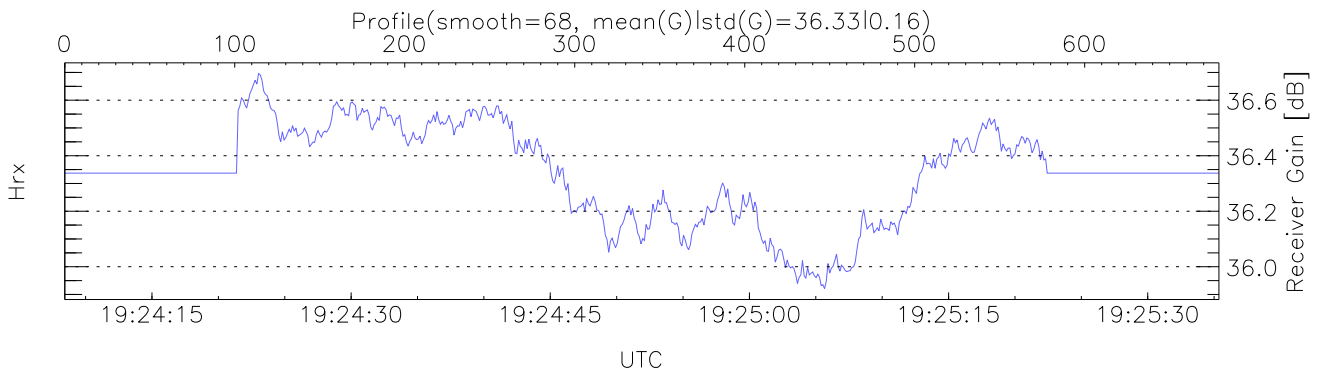
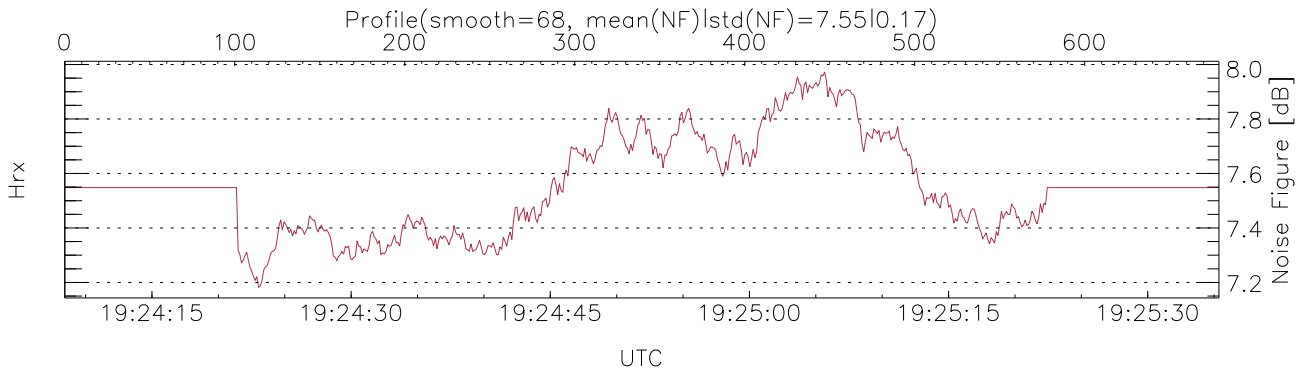
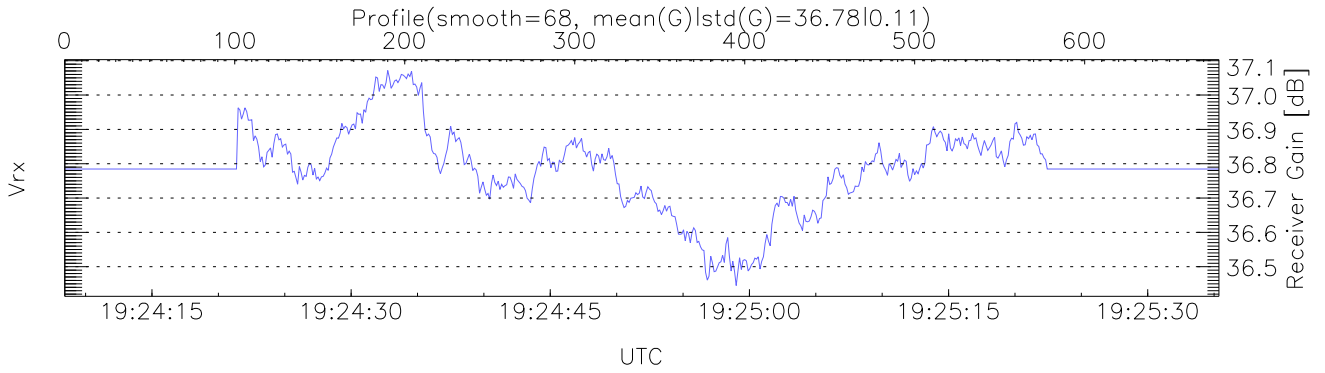
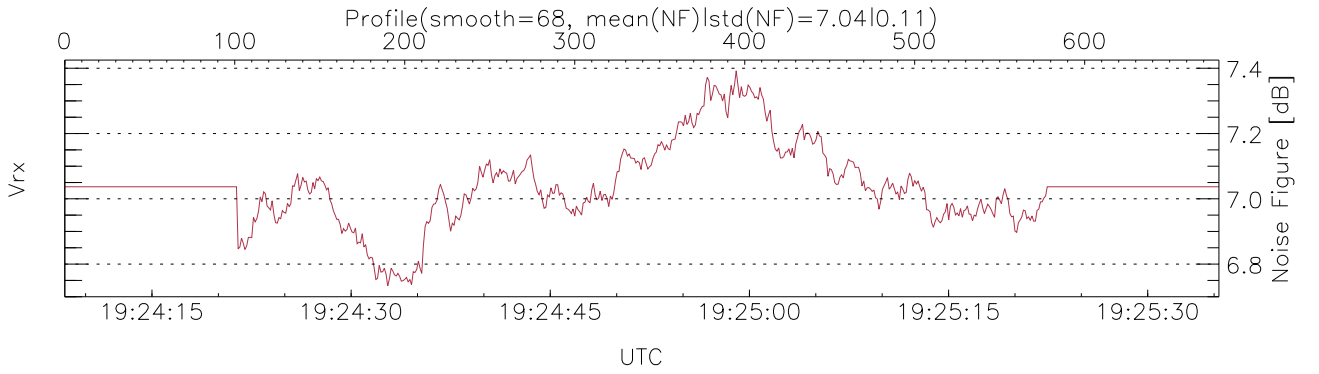
WCR3 FF4 Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 19:24:08-19:25:35, 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, 0-679/19:24:08-19:25:35  
 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



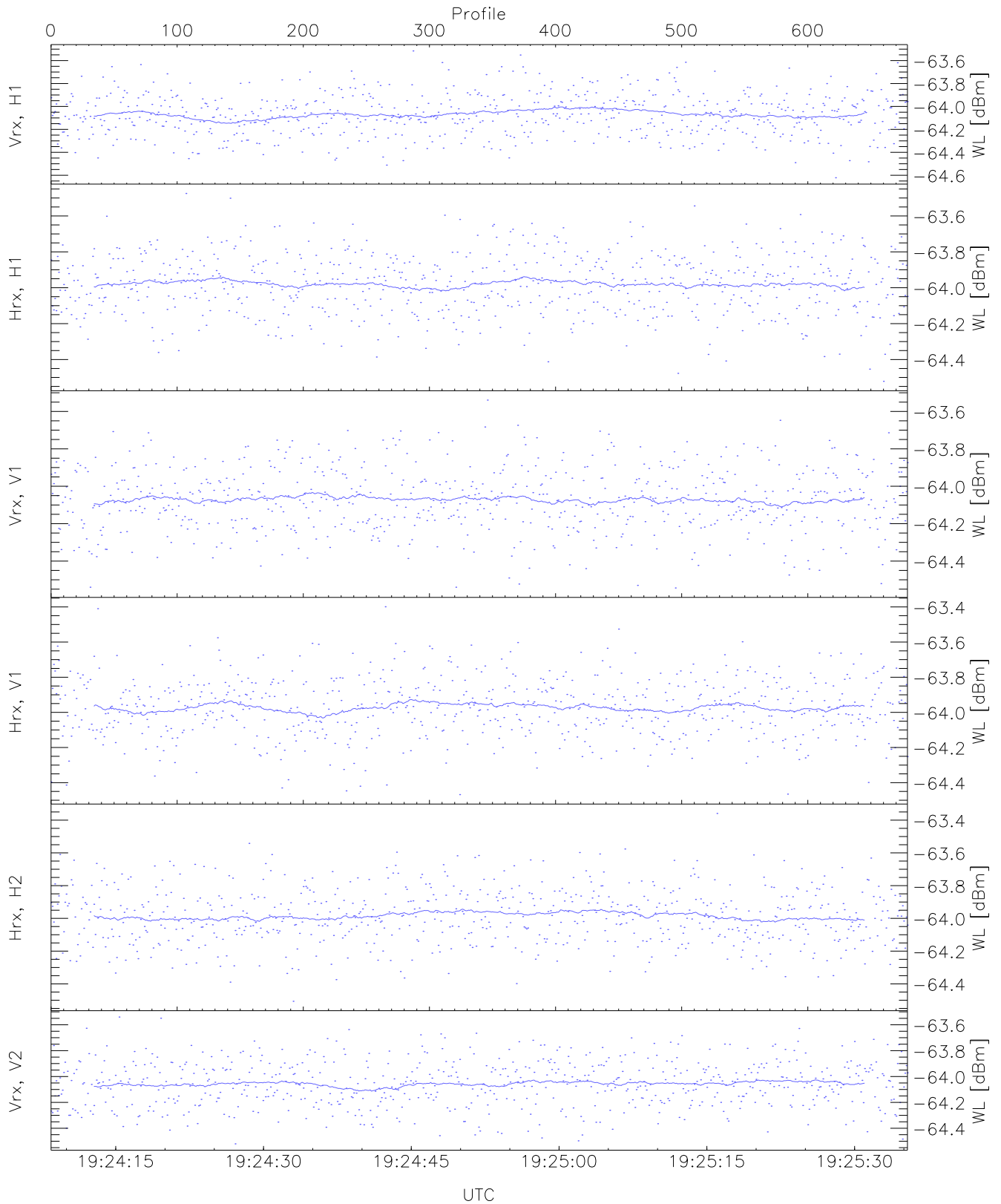
WCR3 FF4 Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,90,21,23,24,24  
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,21,23,25,25  
LOalarm(20,240,2817,14861 MHz): None  
EIK Faults(# prof affected):  
BodyCurr,Fault2,DeckF (69,85,85)



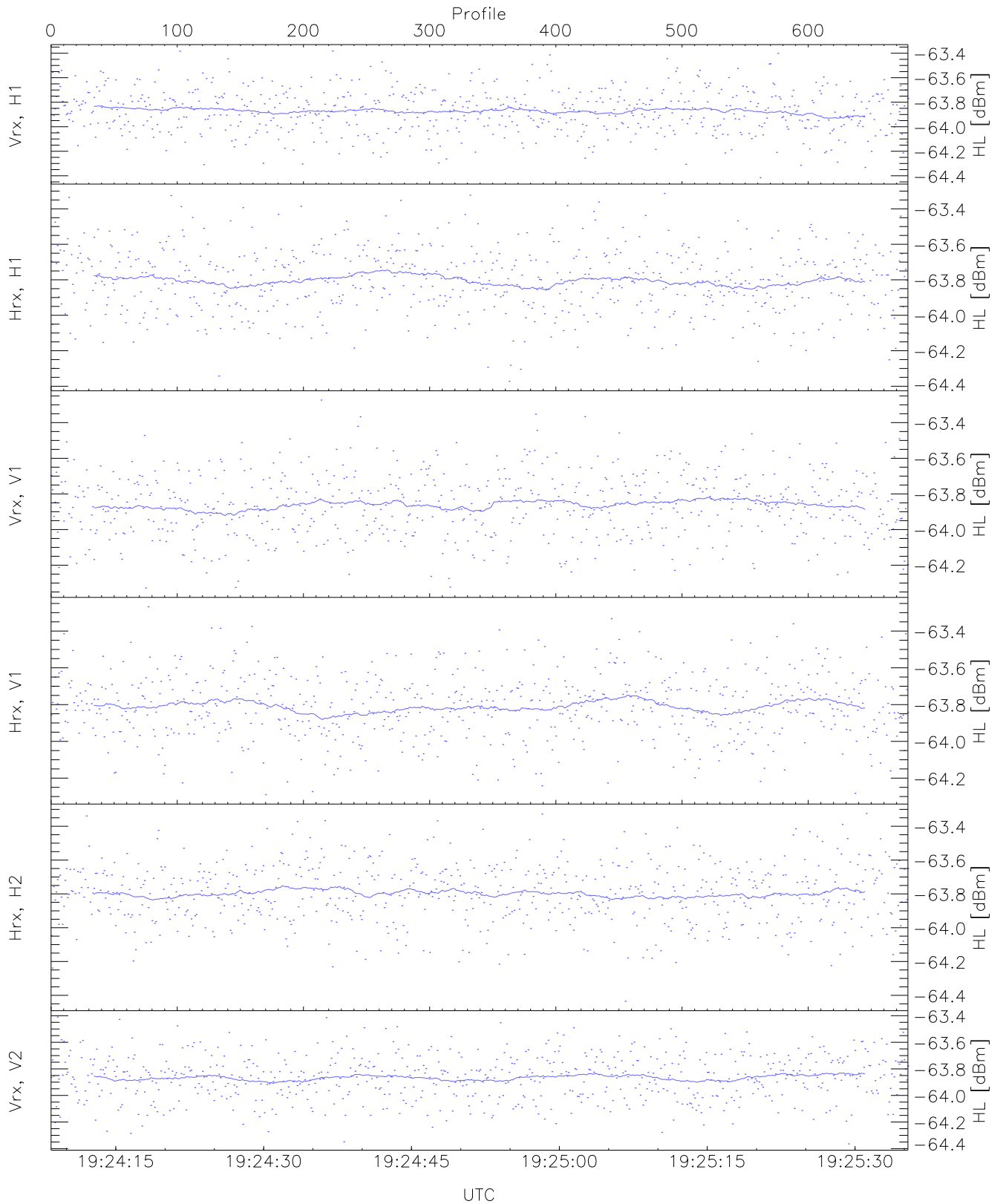
### WCR3 FF4 Receivers Gain and Noise Figure

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



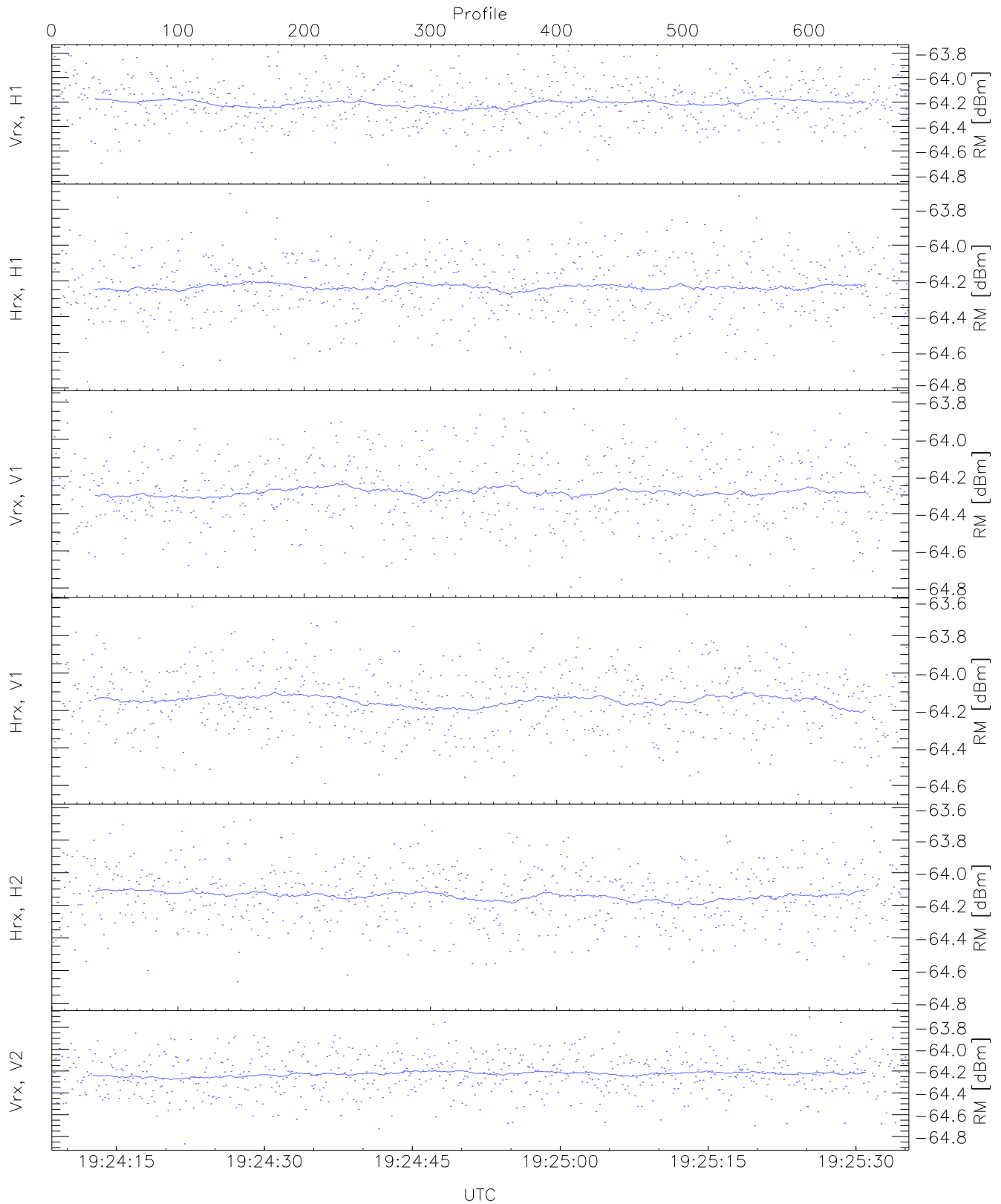
WCR3 FF4 Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (WL [dBm])	-64.62	-63.52	-64.07	-64.08	-77.95
Hrx, H1 (WL [dBm])	-64.52	-63.47	-63.98	-63.97	-78.19
Vrx, V1 (WL [dBm])	-64.54	-63.54	-64.07	-64.08	-78.16
Hrx, V1 (WL [dBm])	-64.47	-63.40	-63.97	-63.97	-78.15
Hrx, H2 (WL [dBm])	-64.51	-63.36	-63.98	-63.99	-78.12
Vrx, V2 (WL [dBm])	-64.52	-63.54	-64.06	-64.06	-78.02



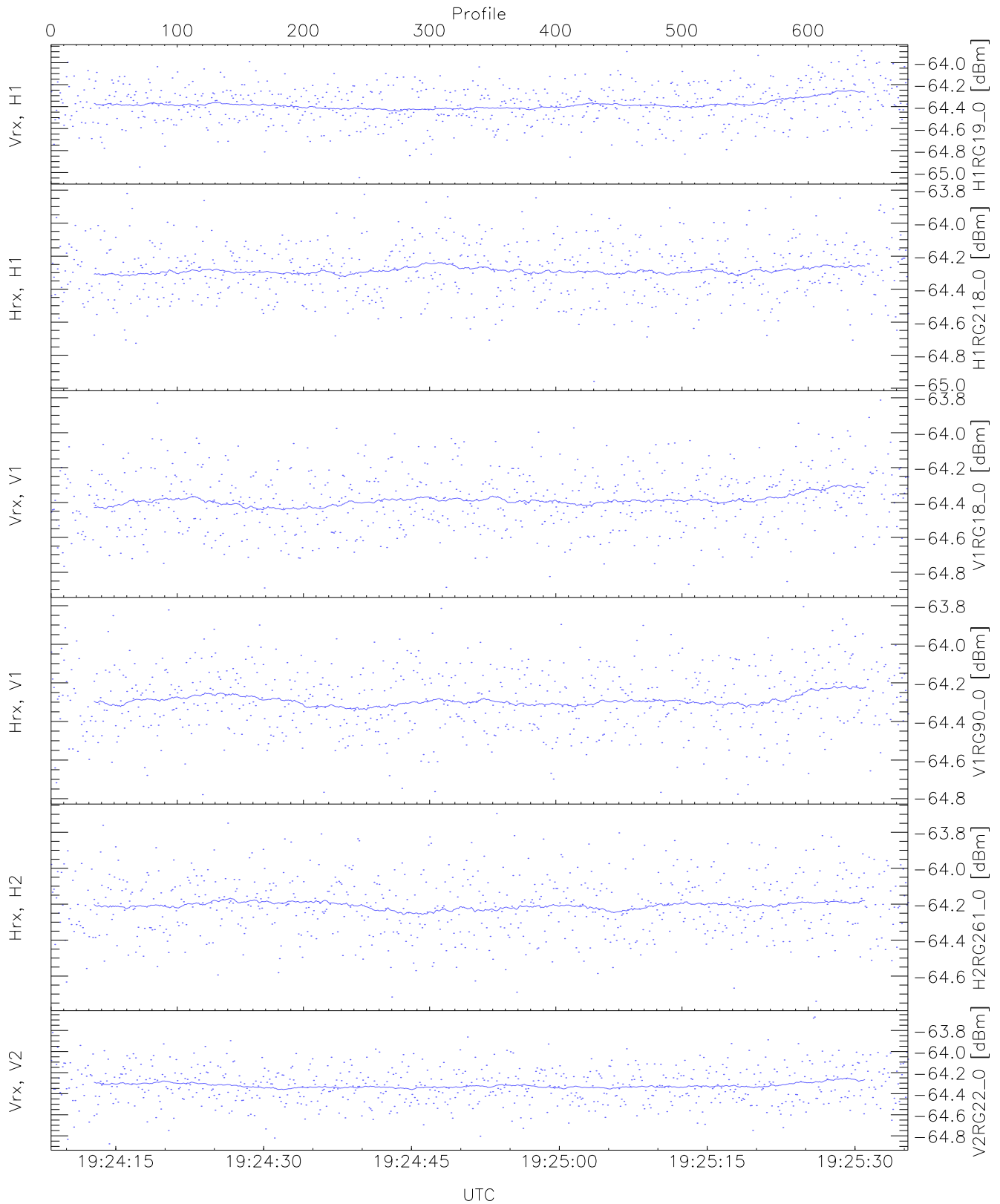
WCR3 FF4 Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (HL [dBm])	-64.42	-63.38	-63.87	-63.87	-77.87
Hrx, H1 (HL [dBm])	-64.37	-63.31	-63.80	-63.80	-77.67
Vrx, V1 (HL [dBm])	-64.33	-63.27	-63.86	-63.86	-77.78
Hrx, V1 (HL [dBm])	-64.29	-63.27	-63.81	-63.81	-77.78
Hrx, H2 (HL [dBm])	-64.44	-63.32	-63.79	-63.80	-77.77
Vrx, V2 (HL [dBm])	-64.36	-63.41	-63.86	-63.86	-78.05



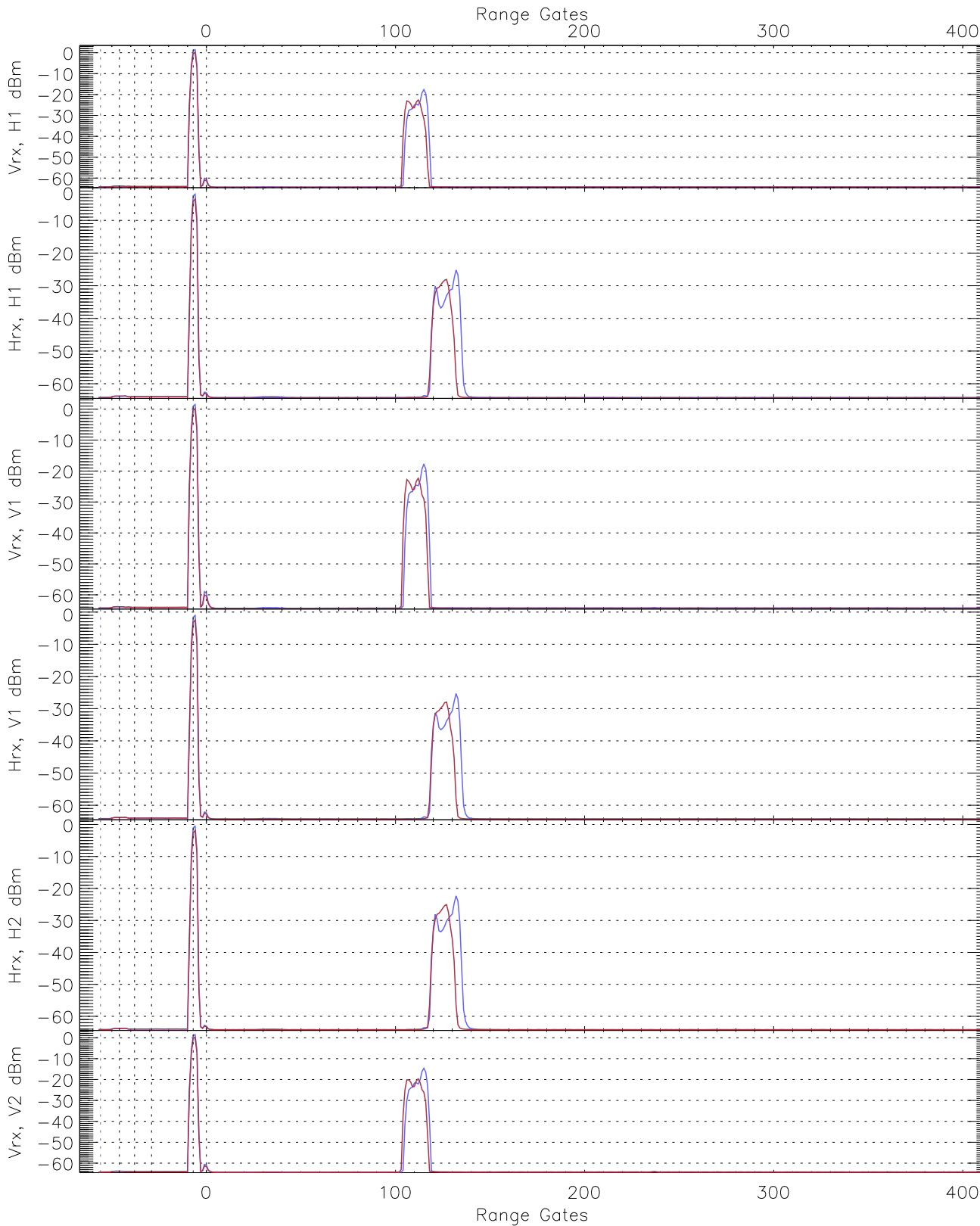
WCR3 FF4 Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Vrx, H1 (RM [dBm])	-64.82	-63.78	-64.20	-64.21	-78.18
Hrx, H1 (RM [dBm])	-64.76	-63.71	-64.23	-64.24	-78.39
Vrx, V1 (RM [dBm])	-64.80	-63.79	-64.28	-64.29	-78.05
Hrx, V1 (RM [dBm])	-64.65	-63.65	-64.15	-64.15	-78.22
Hrx, H2 (RM [dBm])	-64.79	-63.64	-64.14	-64.14	-78.03
Vrx, V2 (RM [dBm])	-64.87	-63.71	-64.22	-64.22	-78.07



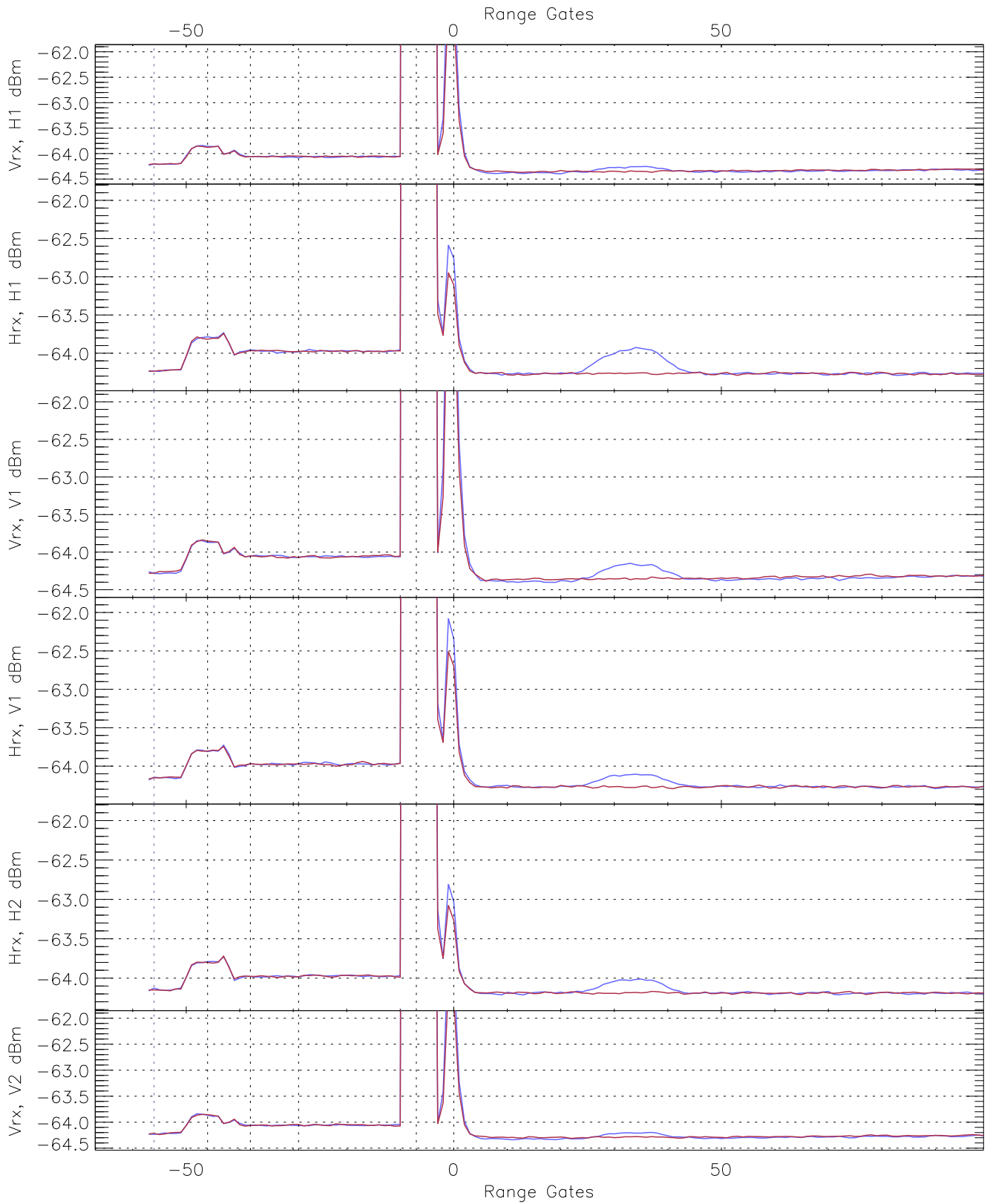
WCR3 FF4 "Best" estimate Receivers Noise Power

	Min	Max	Mean	Median	StDev
H1RG19_0 [dBm]	-65.05	-63.89	-64.37	-64.37	-78.30
H1RG218_0 [dBm]	-64.96	-63.82	-64.29	-64.29	-78.38
V1RG18_0 [dBm]	-64.89	-63.81	-64.38	-64.39	-78.35
V1RG90_0 [dBm]	-64.78	-63.81	-64.29	-64.29	-78.34
H2RG261_0 [dBm]	-64.74	-63.70	-64.20	-64.21	-78.24
V2RG22_0 [dBm]	-64.88	-63.67	-64.32	-64.33	-78.21

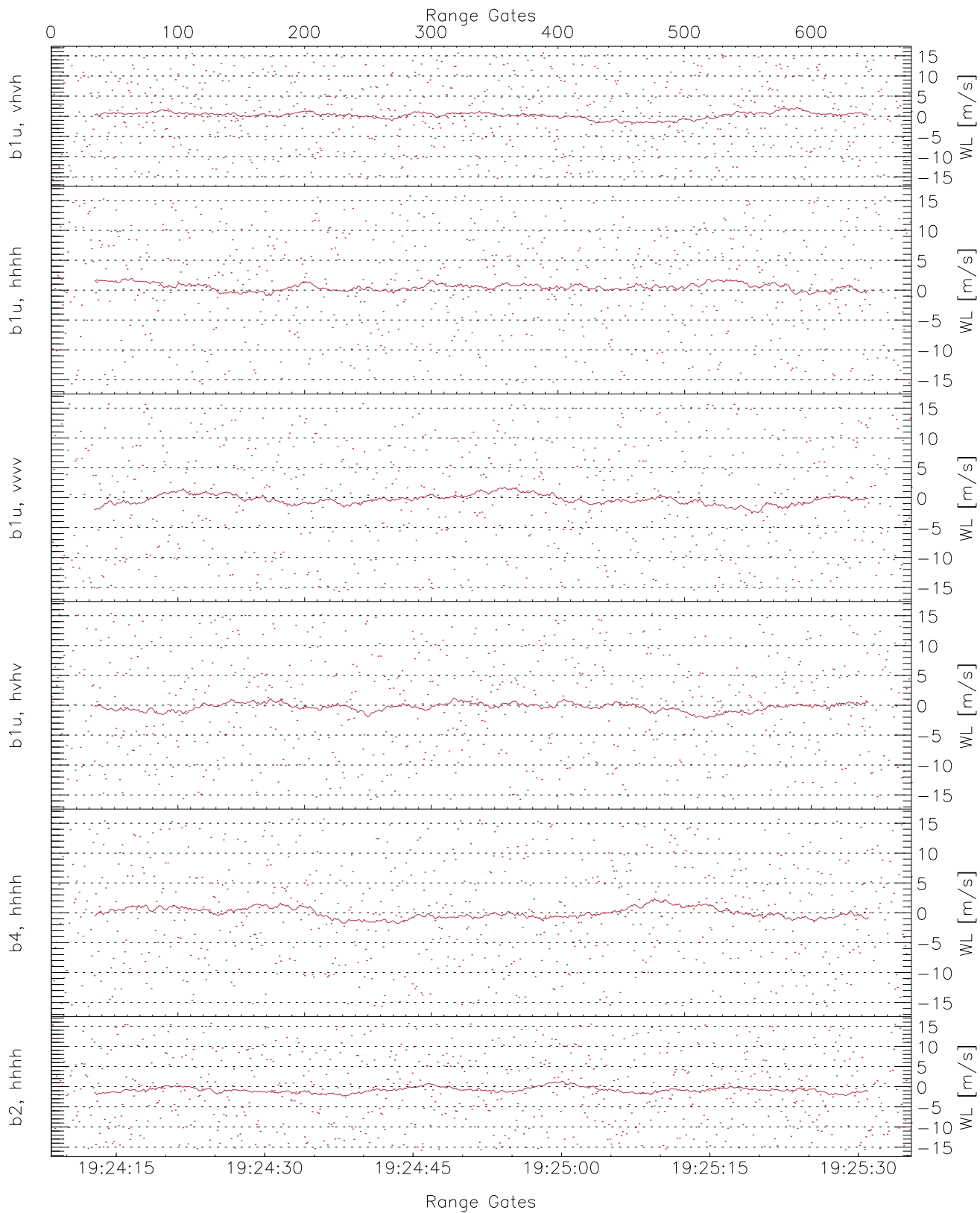


WCR3 FF4 Averaged Received power for all recorded gates  
blue: 192408-192452, 341 profiles averaged  
red: 192452-192535, 340 profiles averaged

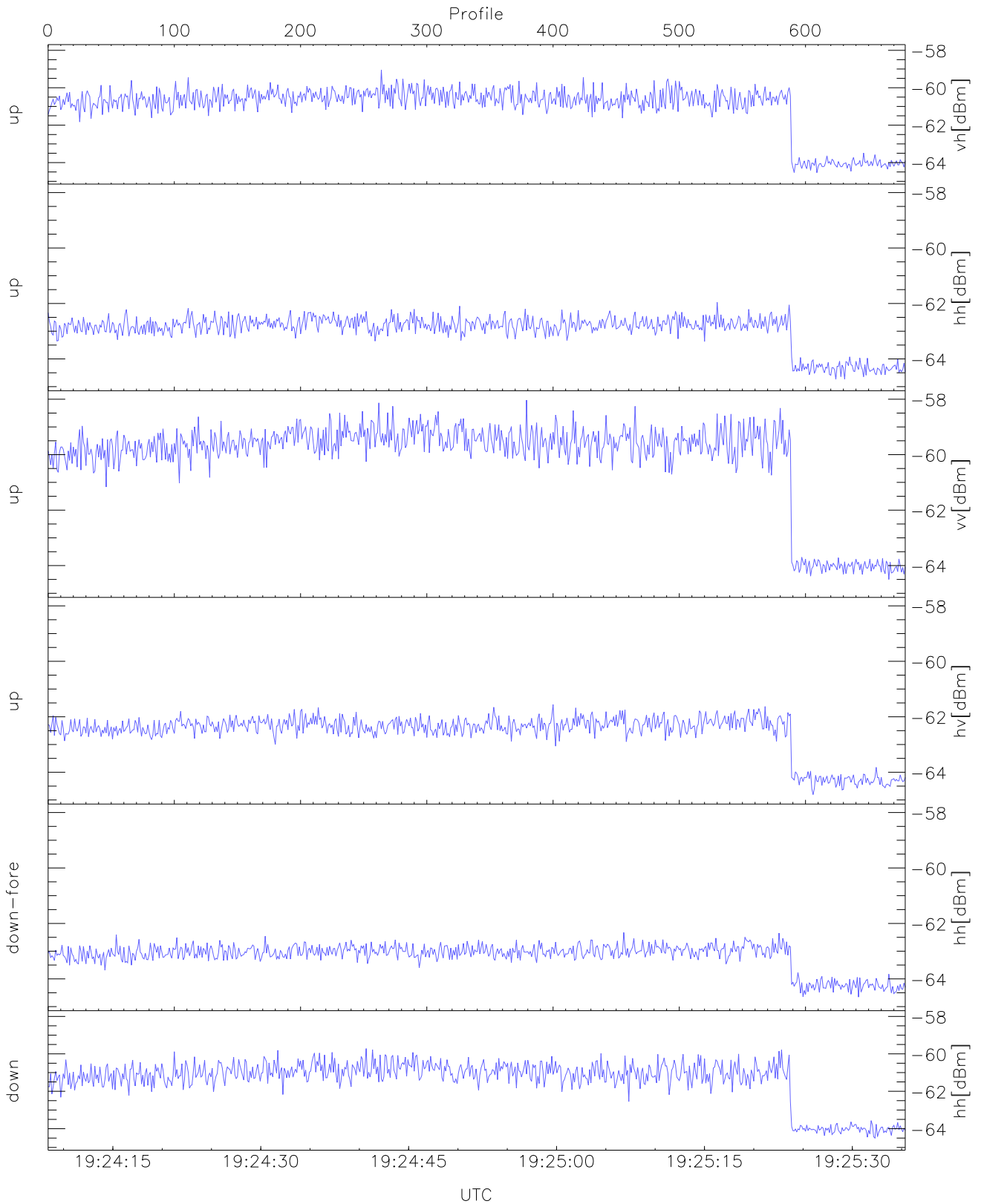




WCR3 FF4 Averaged Received power for the negative gates and up to 100 gate  
blue: 192408-192452, 341 profiles averaged  
red: 192452-192535, 340 profiles averaged

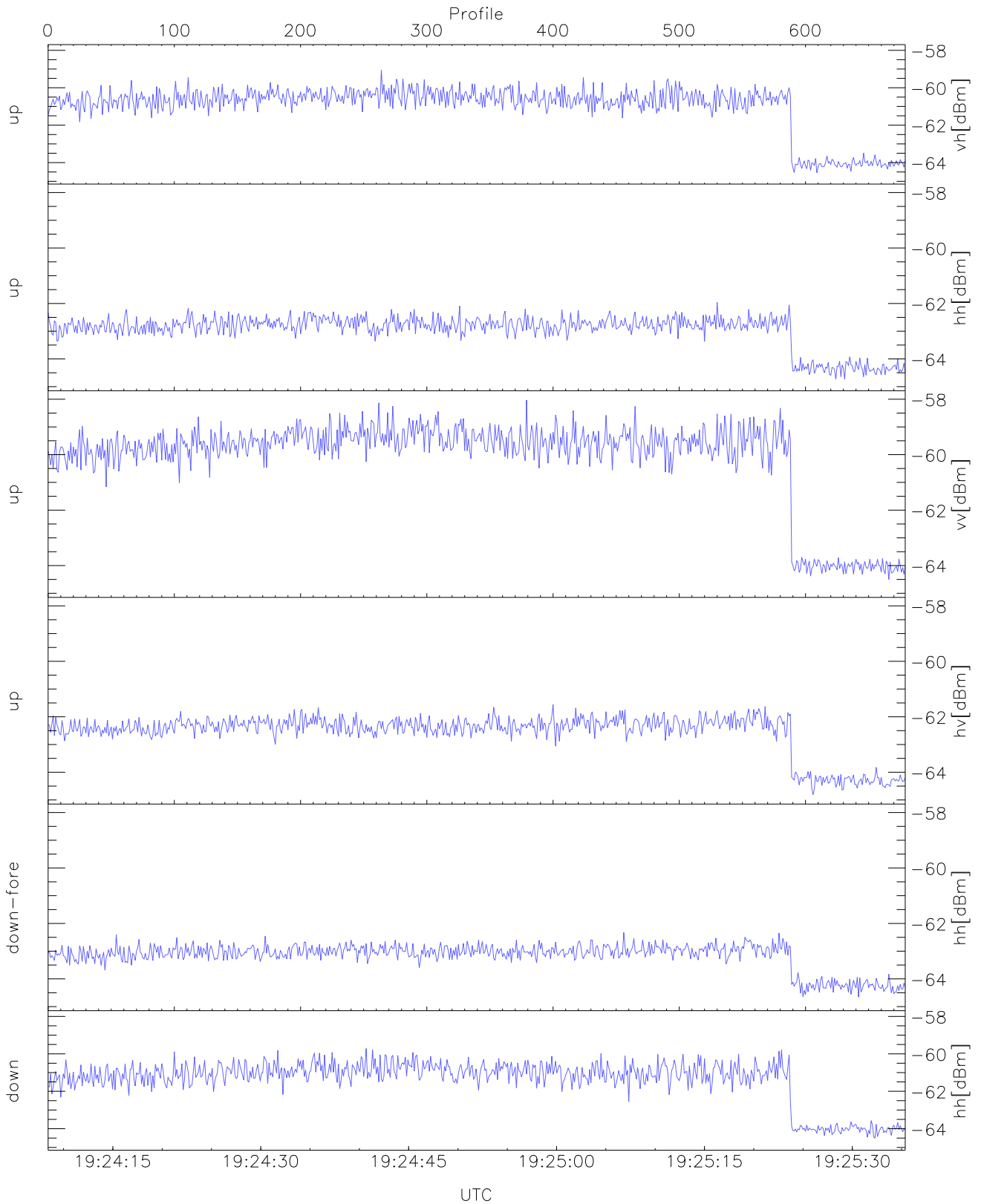


WCR3 FF4 Receivers Phase Noise (in m/s) from the Warm Loads Measurements



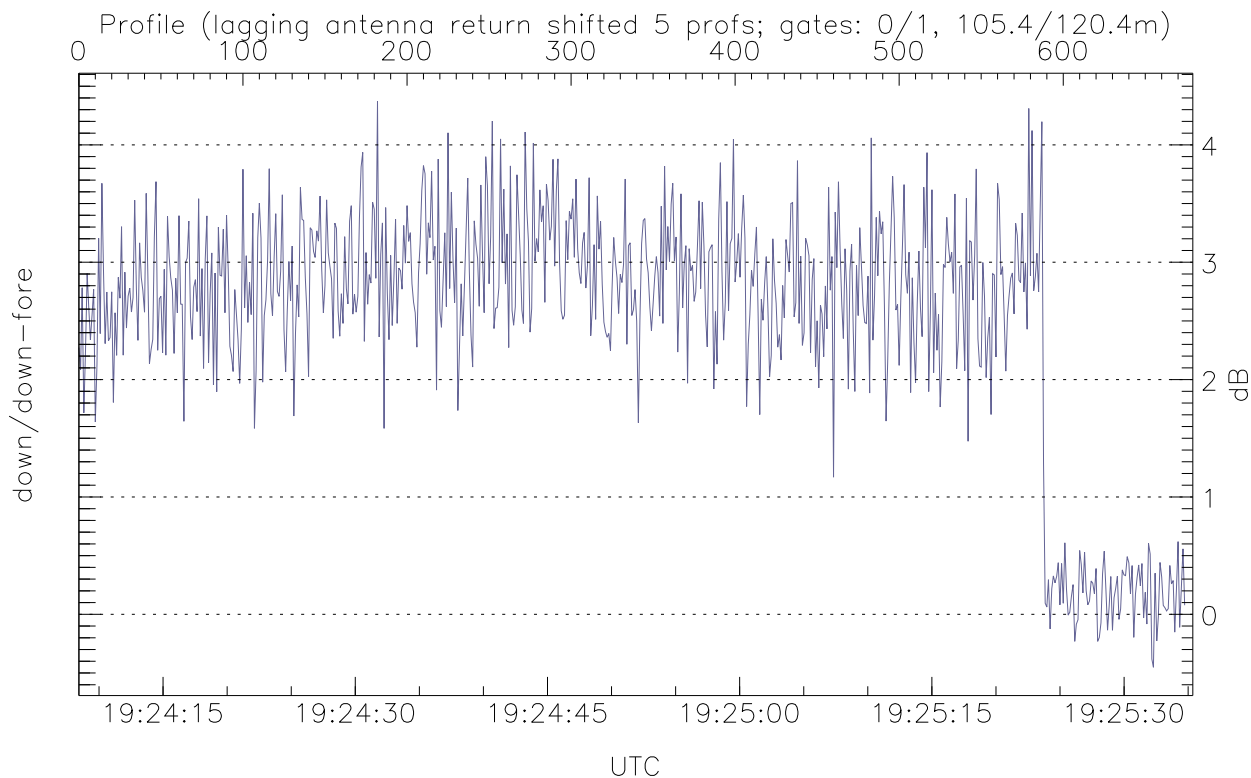
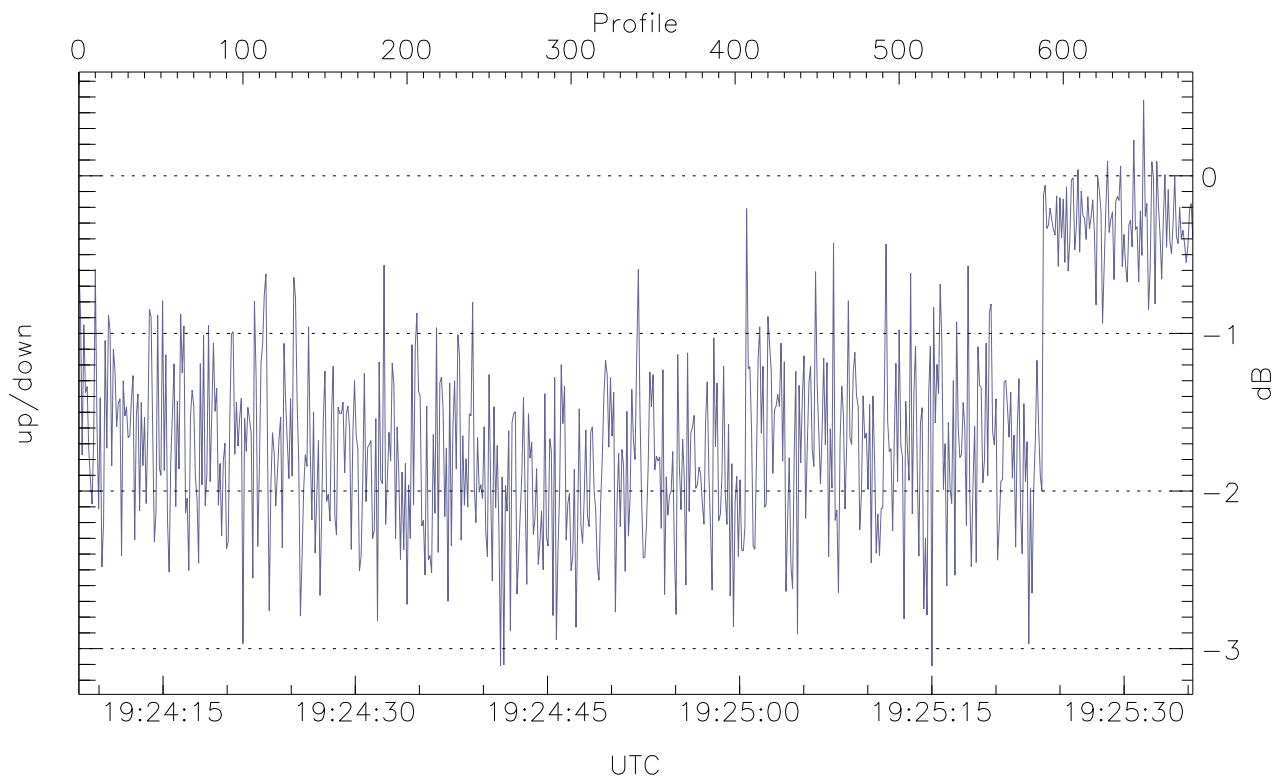
WCR3 FF4 Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh [dBm])	-64.54	-59.05	-60.87
up(hh [dBm])	-64.74	-61.96	-62.93
up(vv [dBm])	-64.50	-58.03	-59.92
up(hv [dBm])	-64.81	-61.56	-62.52
down-fore(hh [dBm])	-64.66	-62.33	-63.15
down(hh [dBm])	-64.50	-59.72	-61.27



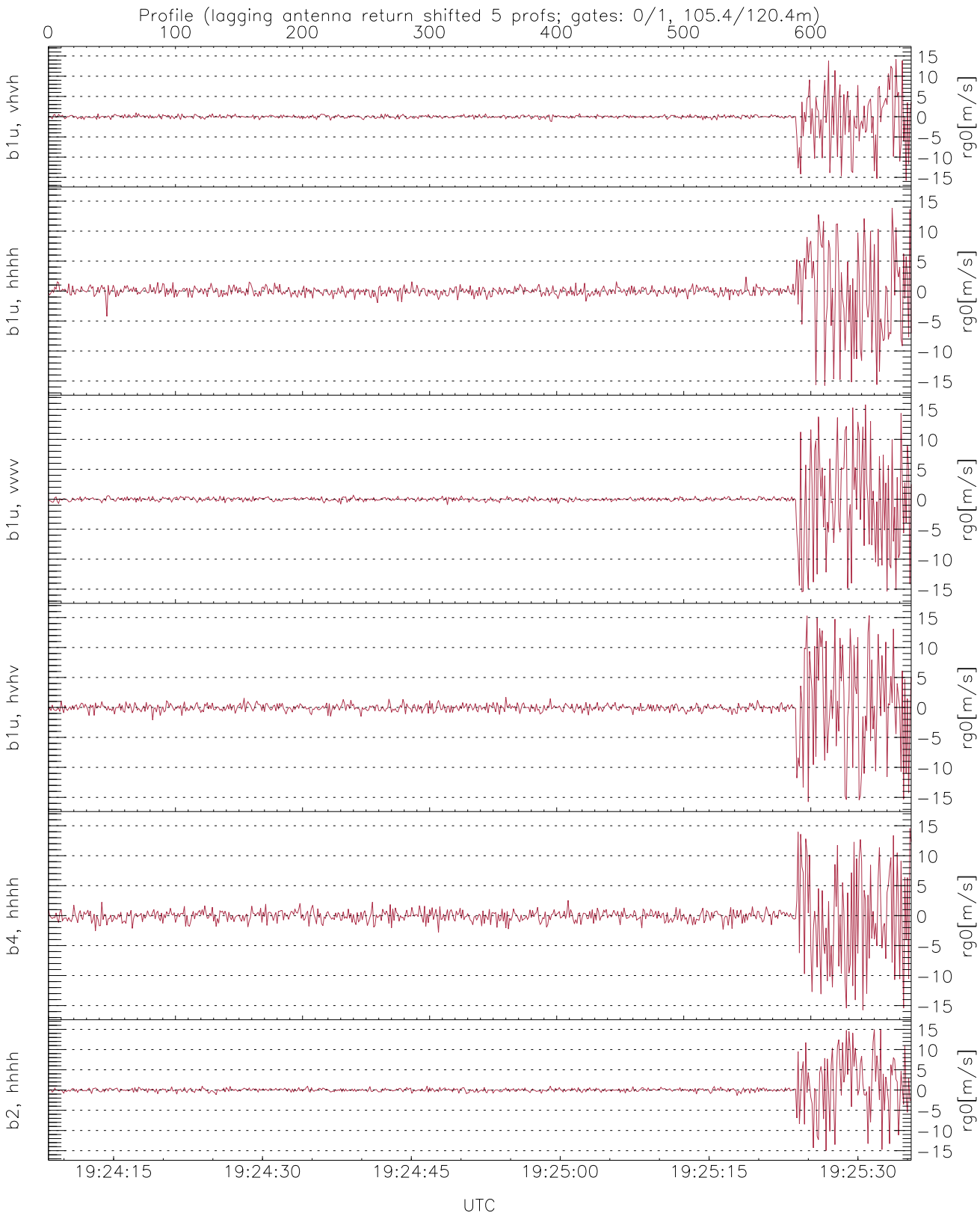
WCR3 FF4 Power Products(psdmom0) for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vh[dBm])	-64.54	-59.05	-60.87
up(hh[dBm])	-64.74	-61.96	-62.93
up(vv[dBm])	-64.50	-58.03	-59.92
up(hv[dBm])	-64.81	-61.56	-62.52
down-fore(hh[dBm])	-64.66	-62.33	-63.15
down(hh[dBm])	-64.50	-59.72	-61.27



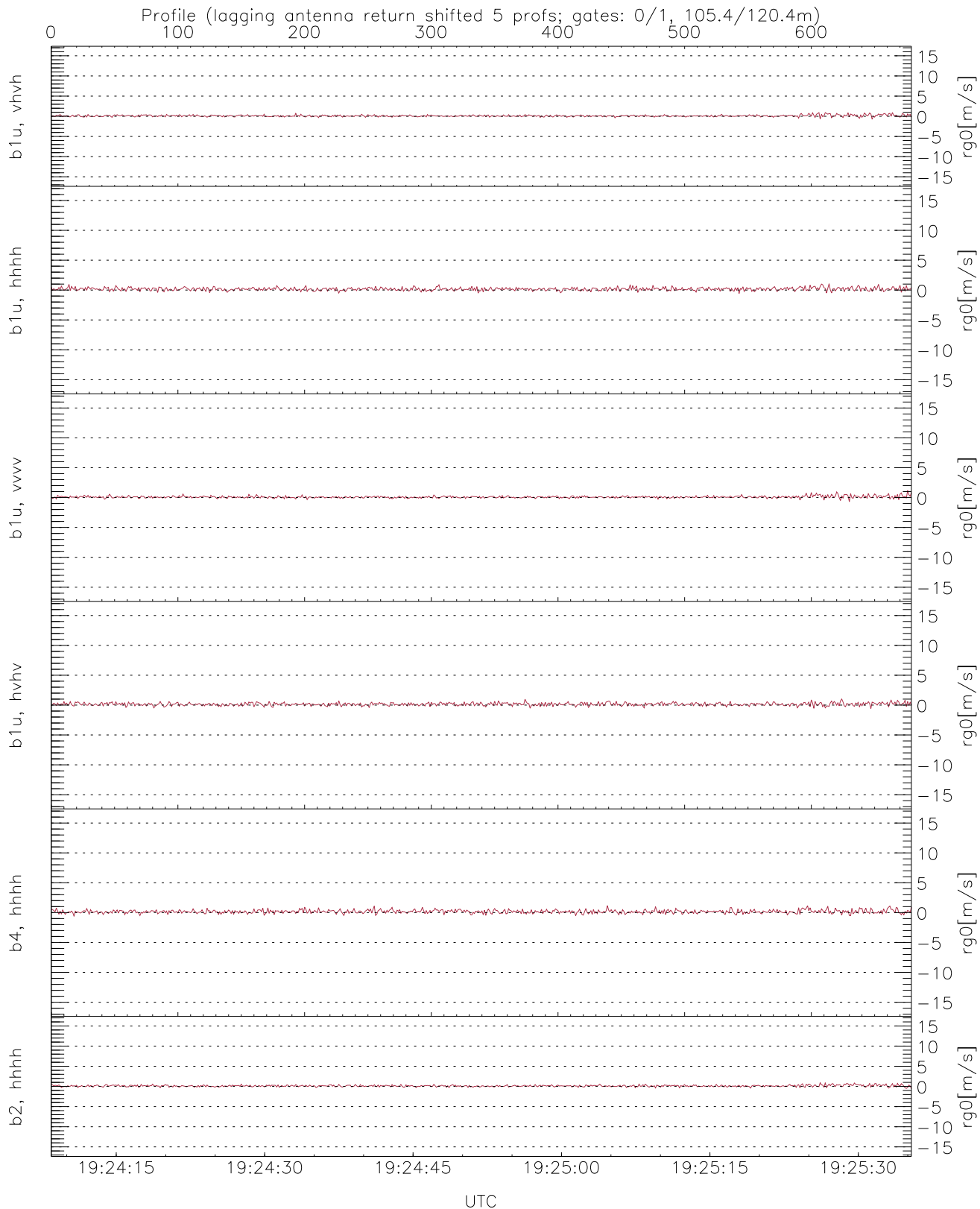
WCR3 Beam pairs Received Power Ratio(s); RangeGate: 0 (105 m)

	Min	Max	Mean
up/down (dB)	-3.11	0.48	-1.57
down/down-fore (dB)	-0.45	4.37	2.52



WCR3 FF4 Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-15.77	14.18	-0.07	2.72
b1u, hhhh(rg0[m/s])	-15.76	13.84	-0.04	2.95
b1u, vvvv(rg0[m/s])	-15.43	15.76	-0.09	3.25
b1u, hvhv(rg0[m/s])	-15.75	15.36	0.04	3.25
b4, hhhh(rg0[m/s])	-15.74	14.57	-0.09	3.19
b2, hhhh(rg0[m/s])	-14.98	14.97	0.19	2.82



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

	Min	Max	Mean	StDev
b1u, vvhv(rg0[m/s])	-0.74	0.95	0.12	0.21
b1u, hhhh(rg0[m/s])	-0.57	1.06	0.18	0.26
b1u, vvvh(rg0[m/s])	-0.69	1.20	0.10	0.18
b1u, hvhv(rg0[m/s])	-0.58	1.01	0.16	0.24
b4, hhhh(rg0[m/s])	-0.62	1.17	0.18	0.29
b2, hhhh(rg0[m/s])	-0.56	0.92	0.13	0.20