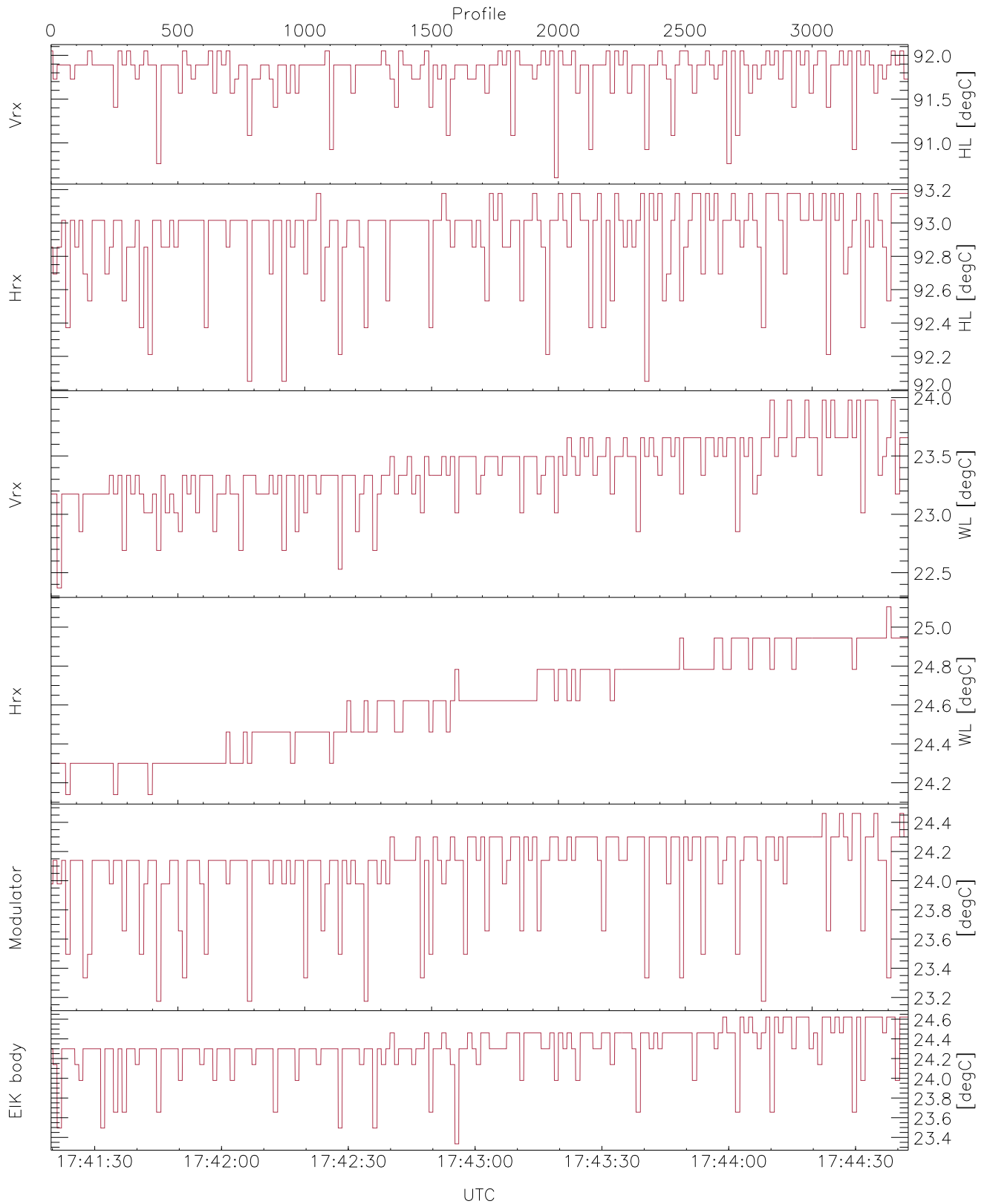


WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

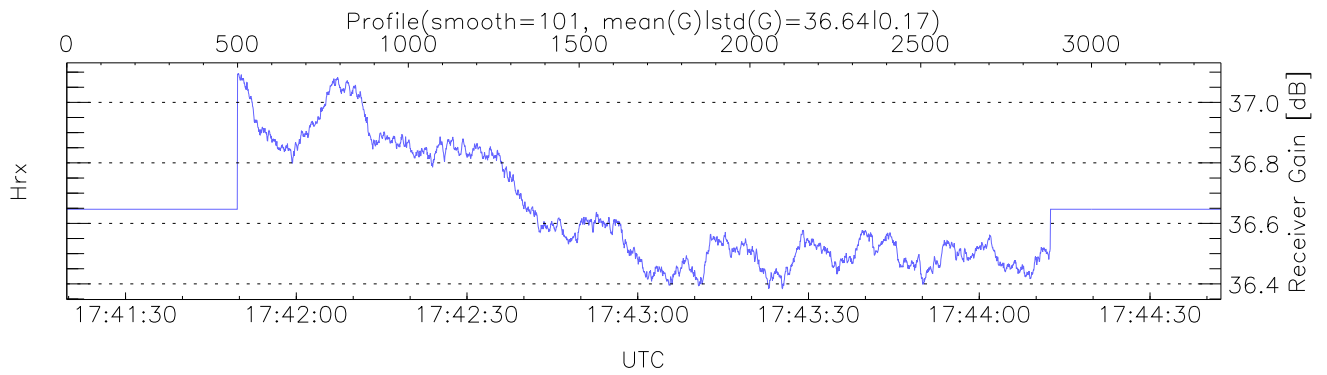
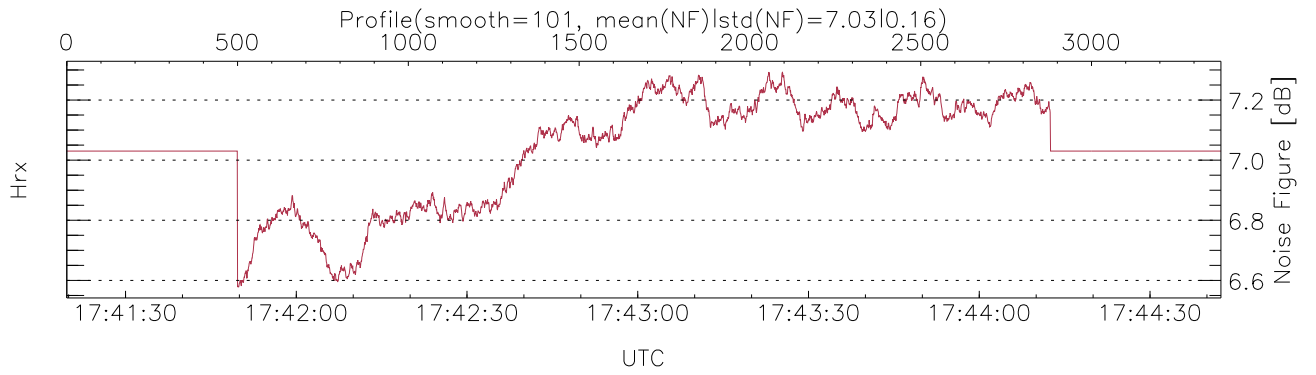
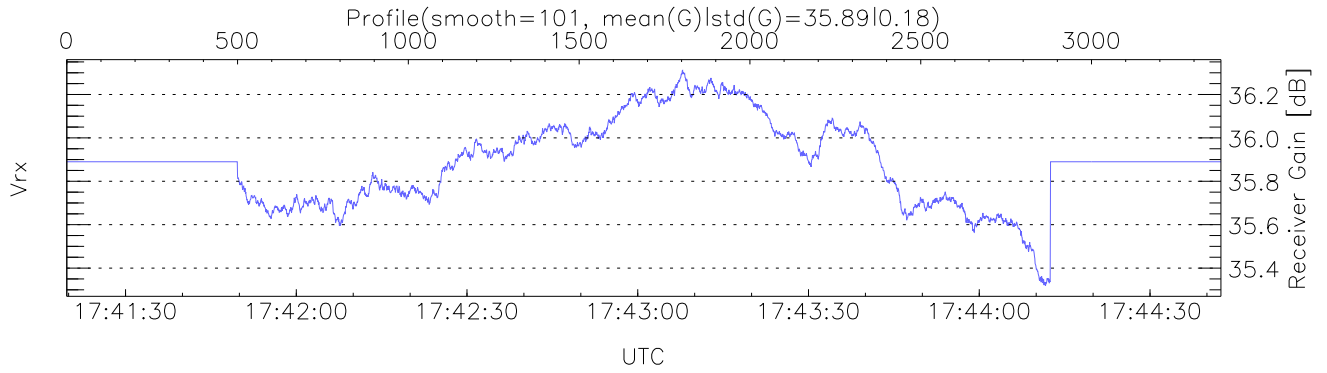
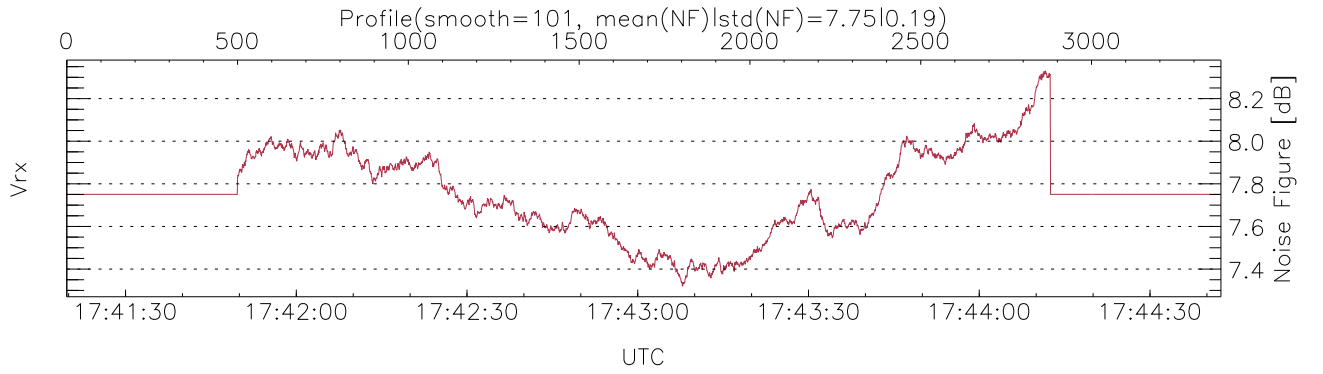
UTC: 17:41:20-17:44:42, TimeCor: 0.00s, Dur: 202.79s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 60.0,60.0,60.0,0.0 ms / 16.7,16.7,16.7  
 NumRec(r/t): 3380/3380, 0-3379/17:41:20-17:44:42  
 AcqTime: 60.0ms, Rate: 0.734MB/s, Averages (req.,actual): 100,100  
 Pulse: 250ns, IFF: 4.0MHz, Tx: V1 V1 V1 H1 H1 H1 V2 V2 V2 H2 H2 H2  
 PRF: 20.0 20.0 20.0 20.0 20.0 20.0 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: 2.8  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



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

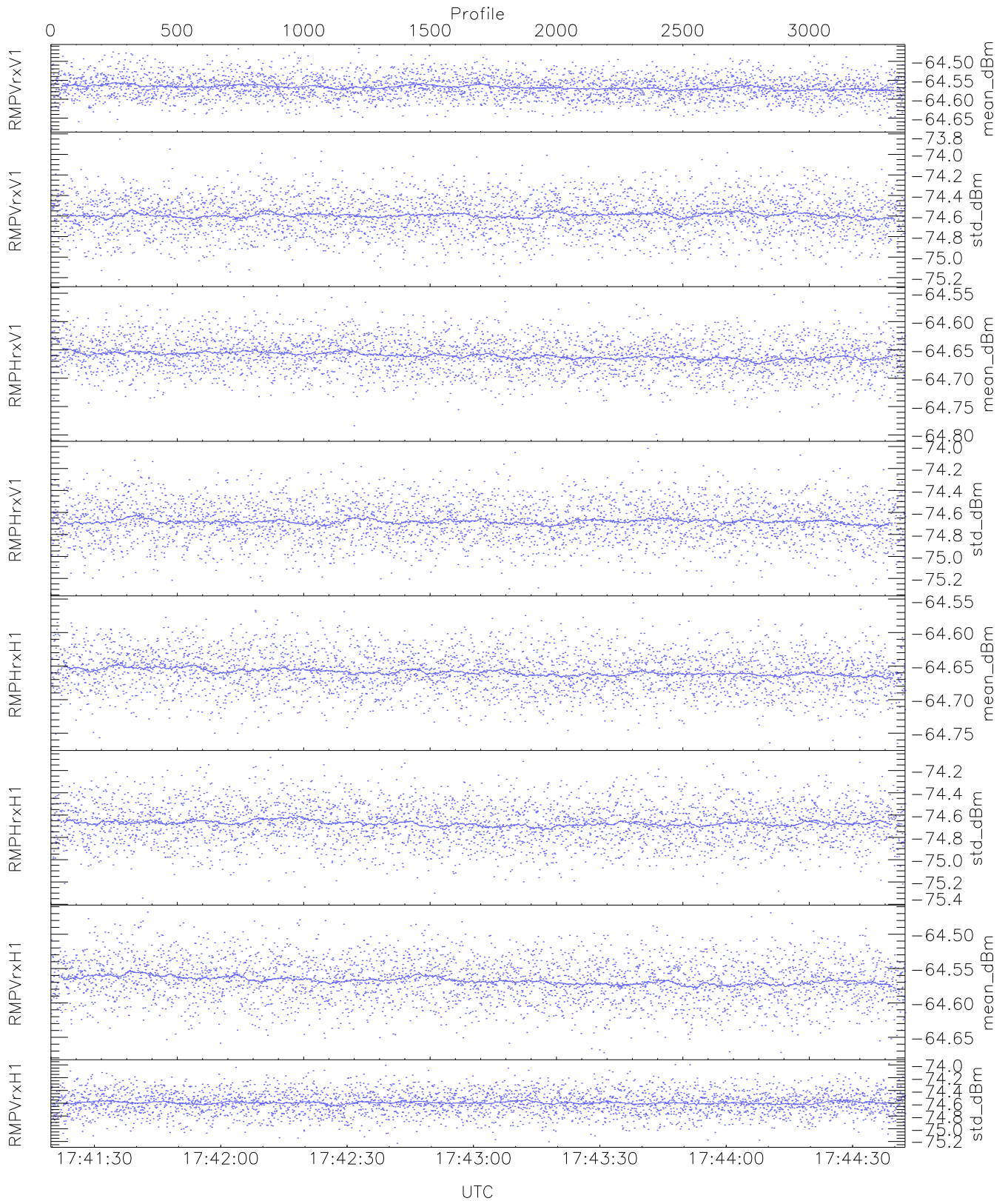
```

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,92,22,24,23,23
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,23,25,24,24
LOalarm(20,240,2817,14861 MHz): 0,0,18,0
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,Fault2,DeckF,OverDuty,HVPS,Fault1 (16,16,16,16,16,16,16,16)
    
```



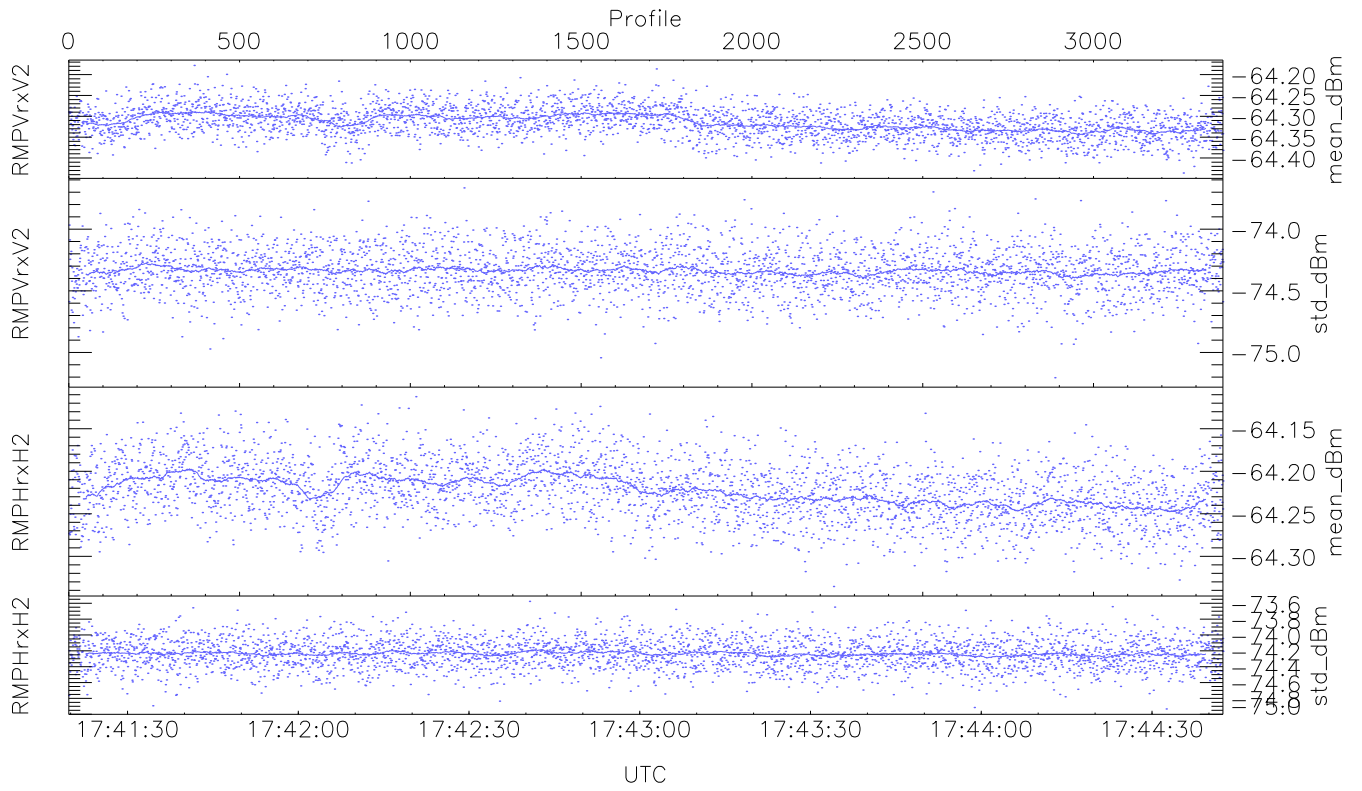
### WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 30 pixs, 7 gates, 28 profs, 1 prod(s)



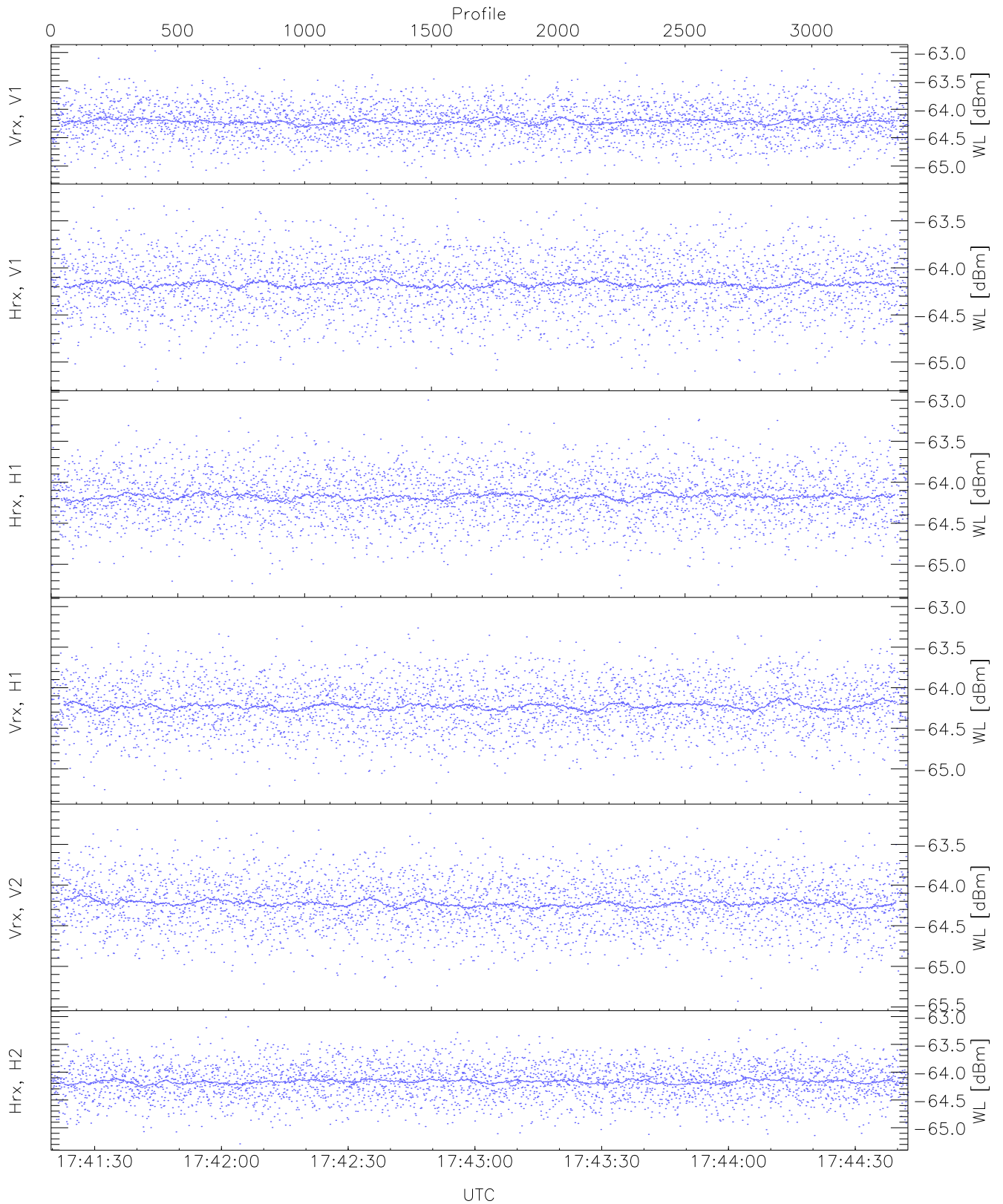
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPVrxV1 (mean_dBm)	-64.68	-64.47	-64.57	-64.57	-86.16
RMPVrxV1 (std_dBm)	-75.22	-73.85	-74.59	-74.59	-88.33
RMPHrxV1 (mean_dBm)	-64.80	-64.55	-64.66	-64.66	-86.19
RMPHrxV1 (std_dBm)	-75.29	-74.02	-74.68	-74.68	-88.46
RMPHrxH1 (mean_dBm)	-64.77	-64.56	-64.66	-64.66	-86.28
RMPHrxH1 (std_dBm)	-75.34	-74.08	-74.67	-74.67	-88.48
RMPVrxH1 (mean_dBm)	-64.67	-64.47	-64.57	-64.57	-86.04
RMPVrxH1 (std_dBm)	-75.23	-73.98	-74.59	-74.59	-88.33



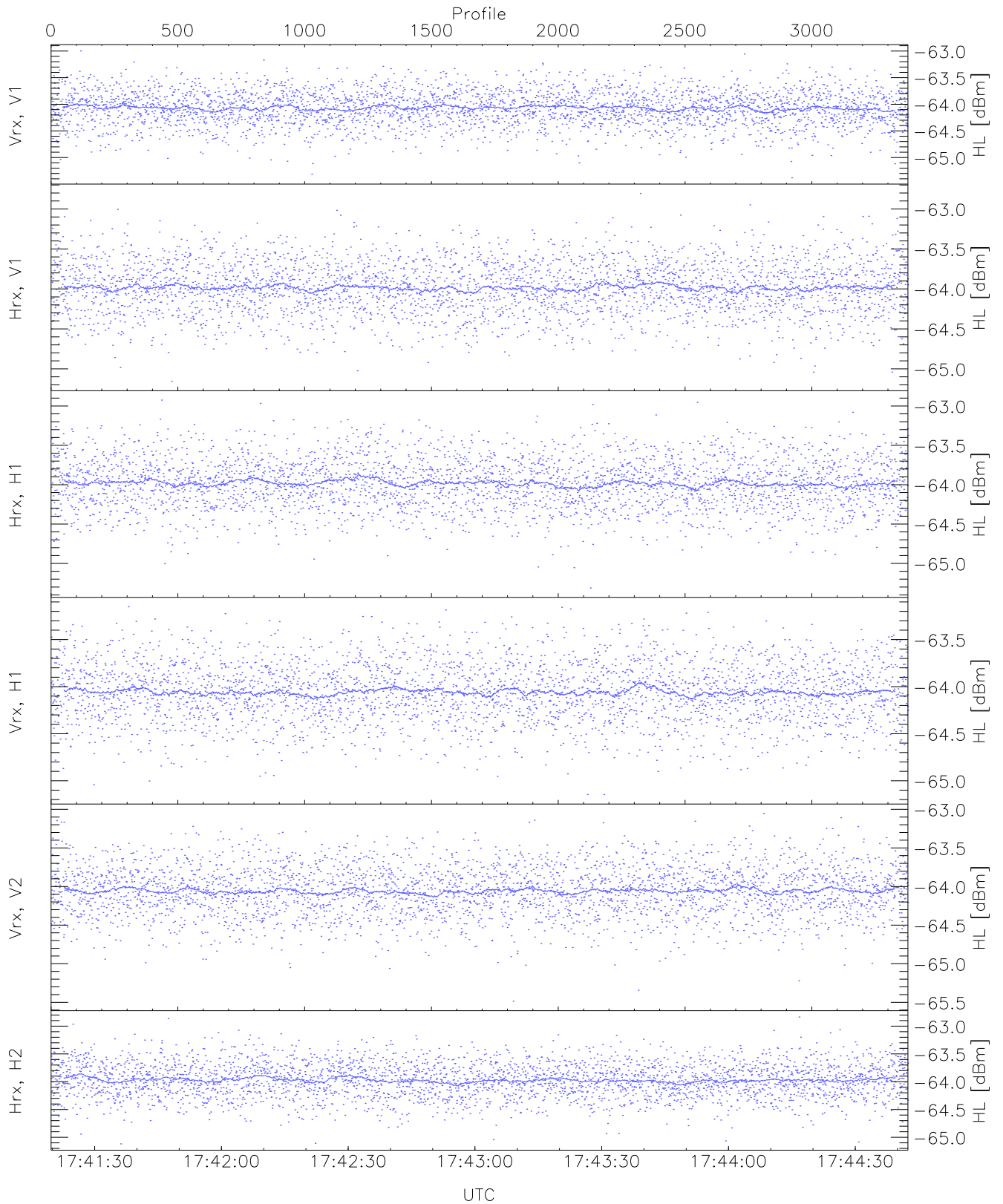
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPVrxV2(mean_dBm)	-64.44	-64.18	-64.31	-64.31	-85.23
RMPVrxV2(std_dBm)	-75.21	-73.66	-74.34	-74.34	-88.03
RMPHrxH2(mean_dBm)	-64.34	-64.11	-64.22	-64.22	-85.34
RMPHrxH2(std_dBm)	-74.93	-73.58	-74.23	-74.24	-88.05



WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

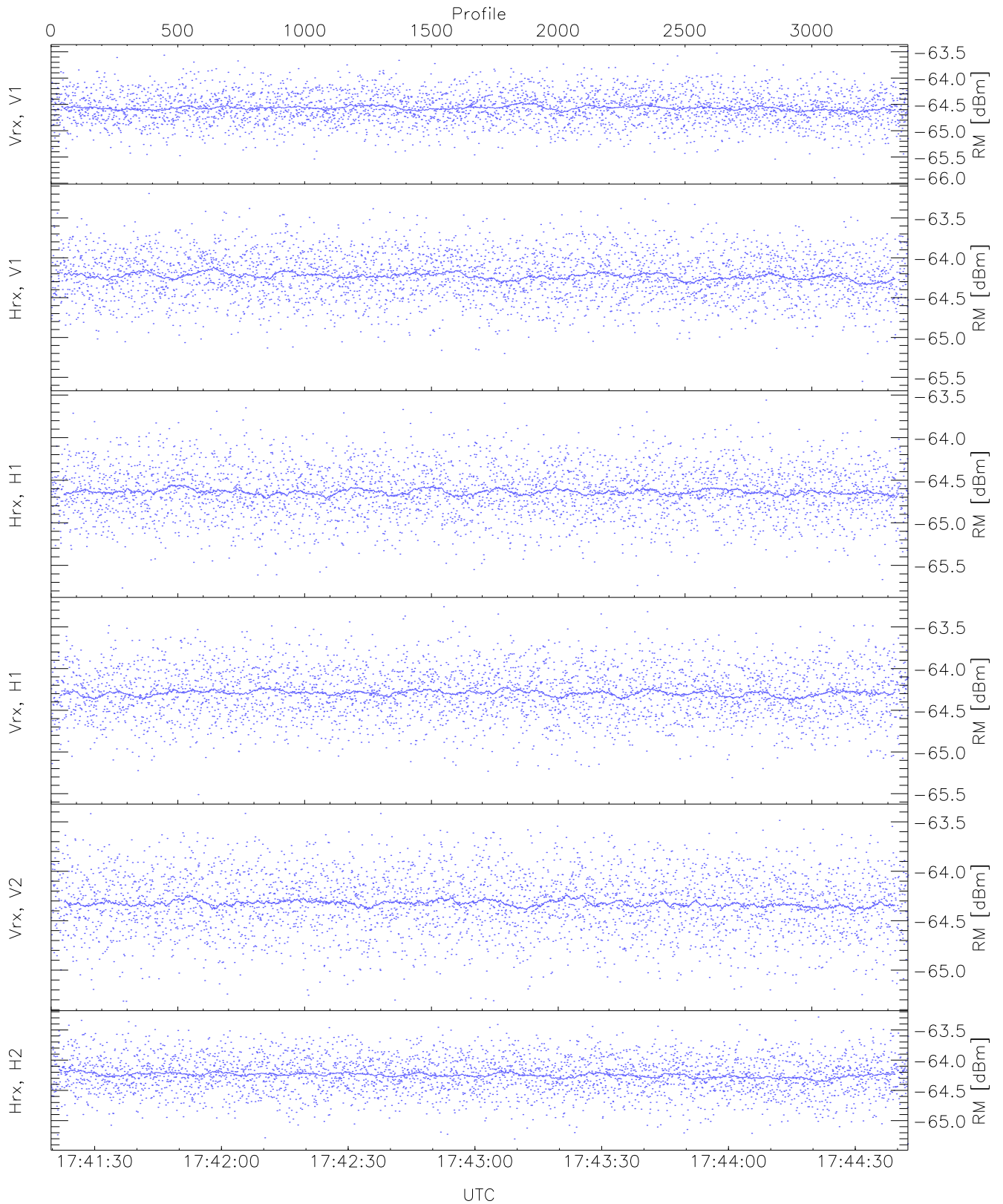
	Min	Max	Mean	Median	StDev
Vrx, V1 (WL [dBm])	-65.21	-62.97	-64.21	-64.21	-75.69
Hrx, V1 (WL [dBm])	-65.21	-63.21	-64.17	-64.17	-75.78
Hrx, H1 (WL [dBm])	-65.29	-63.00	-64.17	-64.17	-75.70
Vrx, H1 (WL [dBm])	-65.32	-63.00	-64.22	-64.23	-75.72
Vrx, V2 (WL [dBm])	-65.43	-63.12	-64.22	-64.22	-75.70
Hrx, H2 (WL [dBm])	-65.29	-63.01	-64.16	-64.16	-75.64



WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, V1 (HL [dBm])	-65.38	-63.00	-64.06	-64.07	-75.53
Hrx, V1 (HL [dBm])	-65.16	-62.81	-63.97	-63.98	-75.35
Hrx, H1 (HL [dBm])	-65.31	-62.93	-63.97	-63.98	-75.47
Vrx, H1 (HL [dBm])	-65.15	-63.15	-64.05	-64.06	-75.63
Vrx, V2 (HL [dBm])	-65.49	-63.05	-64.05	-64.05	-75.53
Hrx, H2 (HL [dBm])	-65.12	-62.84	-63.96	-63.97	-75.55

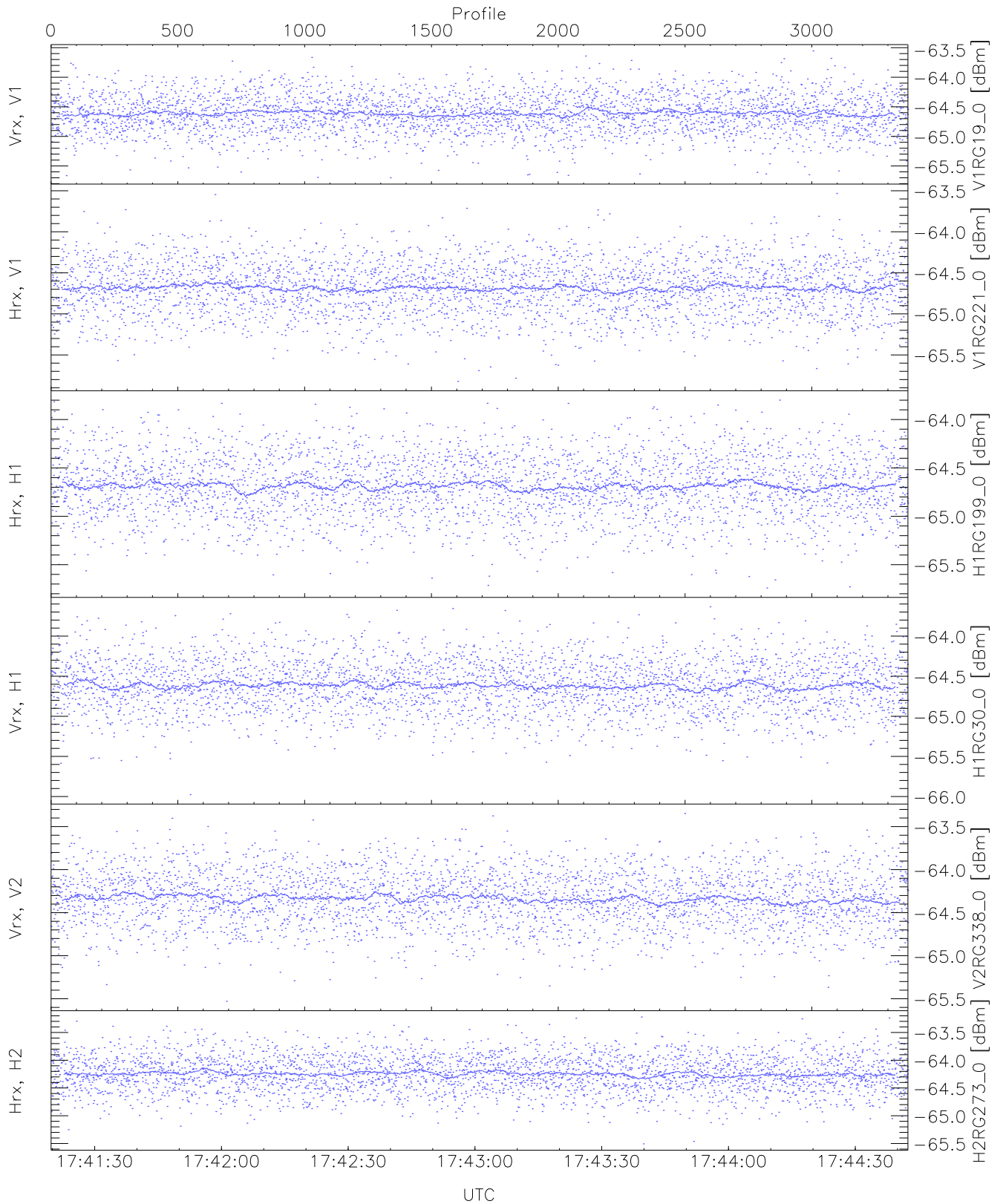




WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

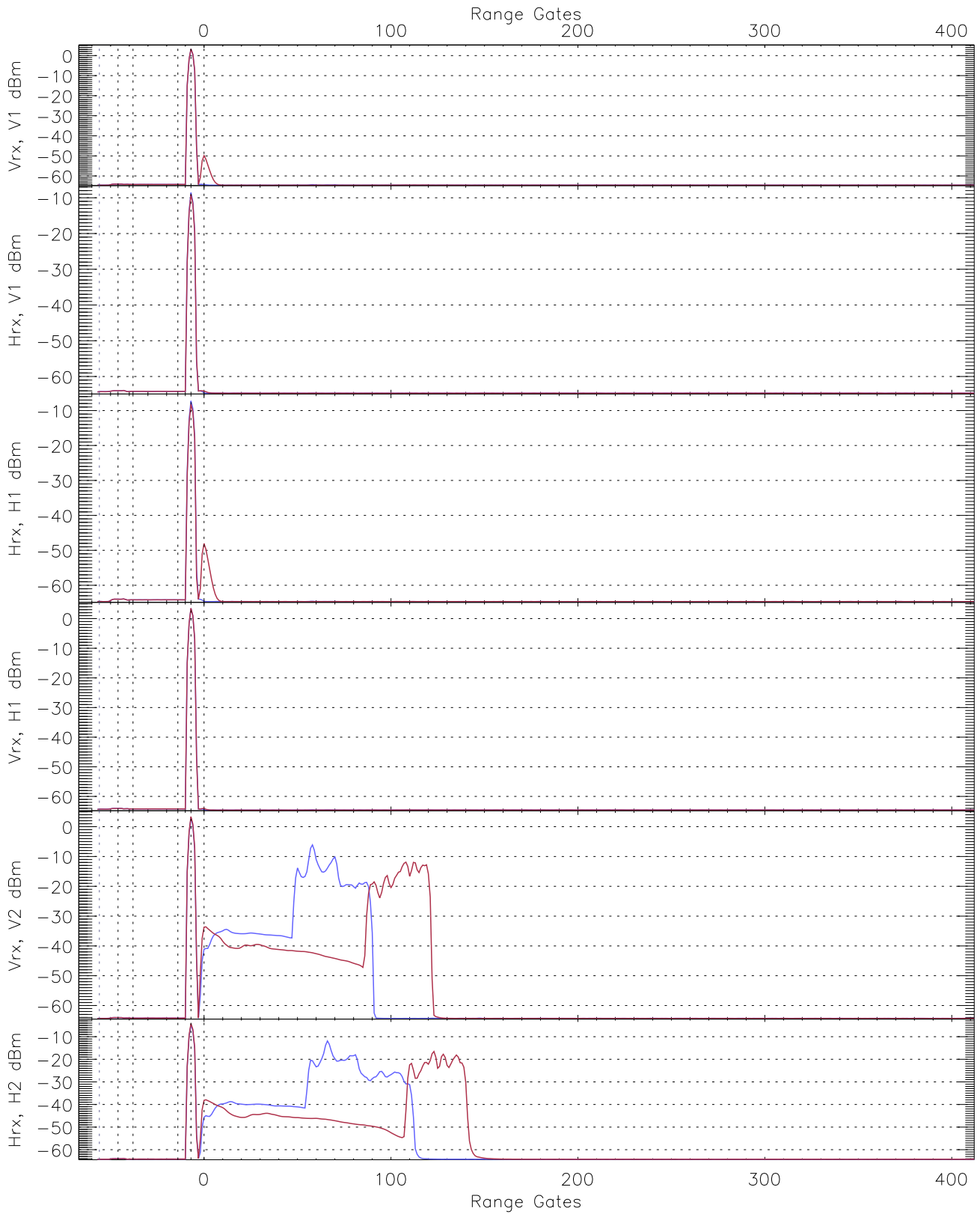
	Min	Max	Mean	Median	StDev
Vrx, V1 (RM [dBm])	-65.89	-63.48	-64.56	-64.58	-76.12
Hrx, V1 (RM [dBm])	-65.55	-63.19	-64.22	-64.23	-75.86
Hrx, H1 (RM [dBm])	-65.77	-63.56	-64.63	-64.64	-76.20
Vrx, H1 (RM [dBm])	-65.51	-63.26	-64.28	-64.29	-75.83
Vrx, V2 (RM [dBm])	-65.32	-63.41	-64.32	-64.32	-75.85
Hrx, H2 (RM [dBm])	-65.38	-63.29	-64.24	-64.25	-75.79



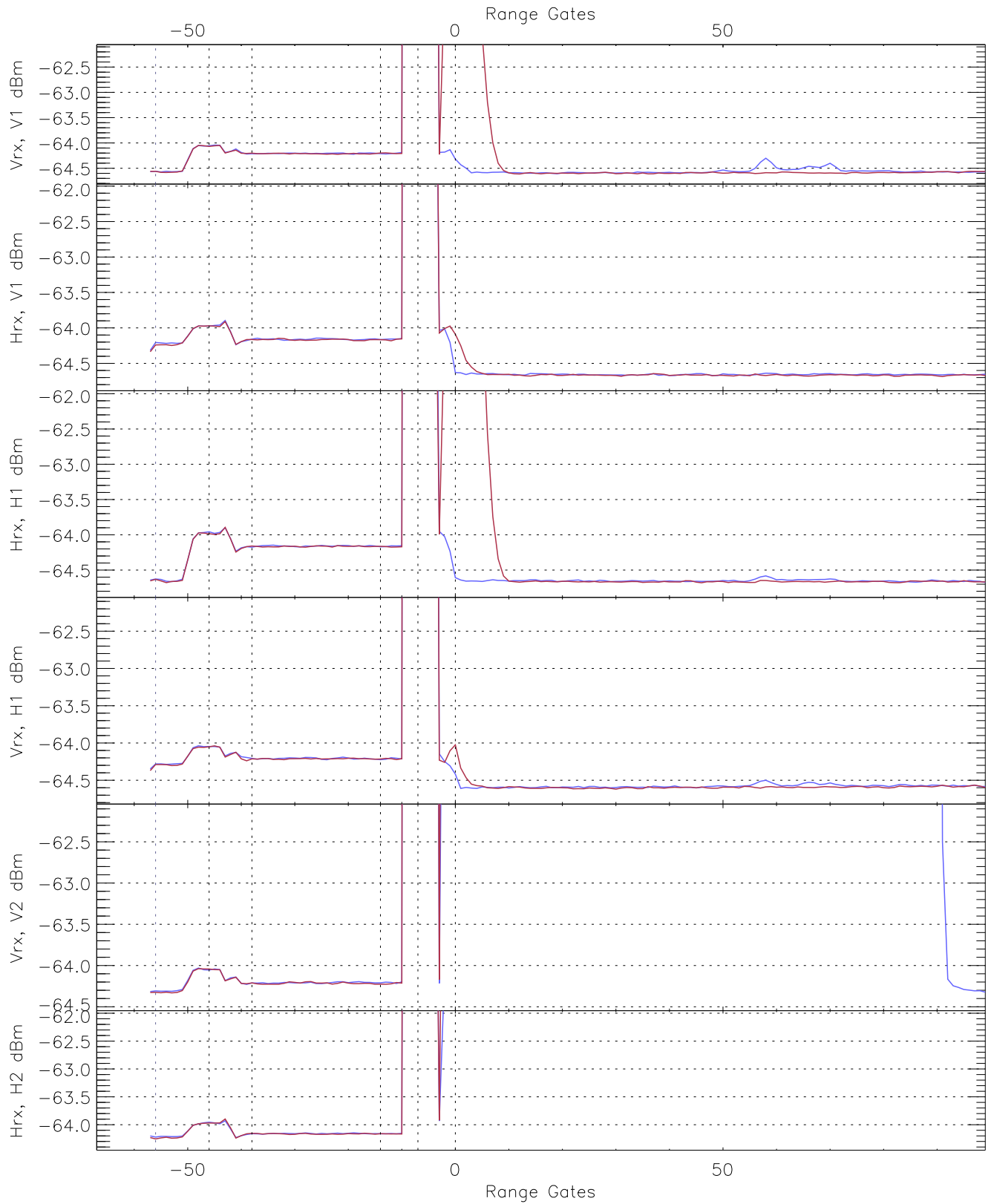


WCR3 CPP "Best" estimate Receivers Noise Power

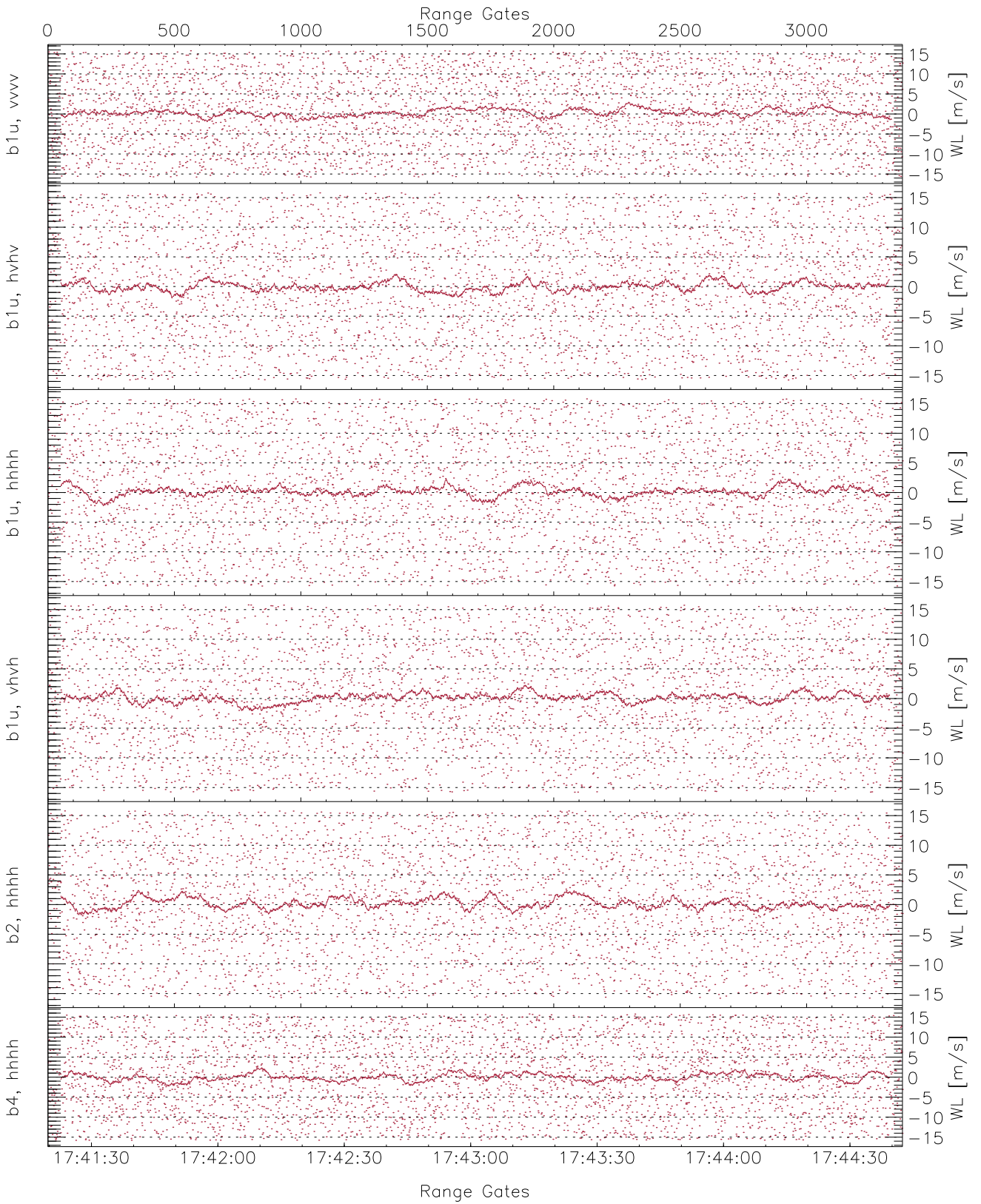
	Min	Max	Mean	Median	StDev
V1RG19_0 [dBm]	-65.70	-63.55	-64.60	-64.61	-76.08
V1RG221_0 [dBm]	-65.82	-63.53	-64.68	-64.67	-76.16
H1RG199_0 [dBm]	-65.74	-63.80	-64.68	-64.69	-76.21
H1RG30_0 [dBm]	-65.98	-63.63	-64.61	-64.62	-76.09
V2RG338_0 [dBm]	-65.53	-63.35	-64.33	-64.33	-75.87
H2RG273_0 [dBm]	-65.51	-63.22	-64.24	-64.25	-75.67



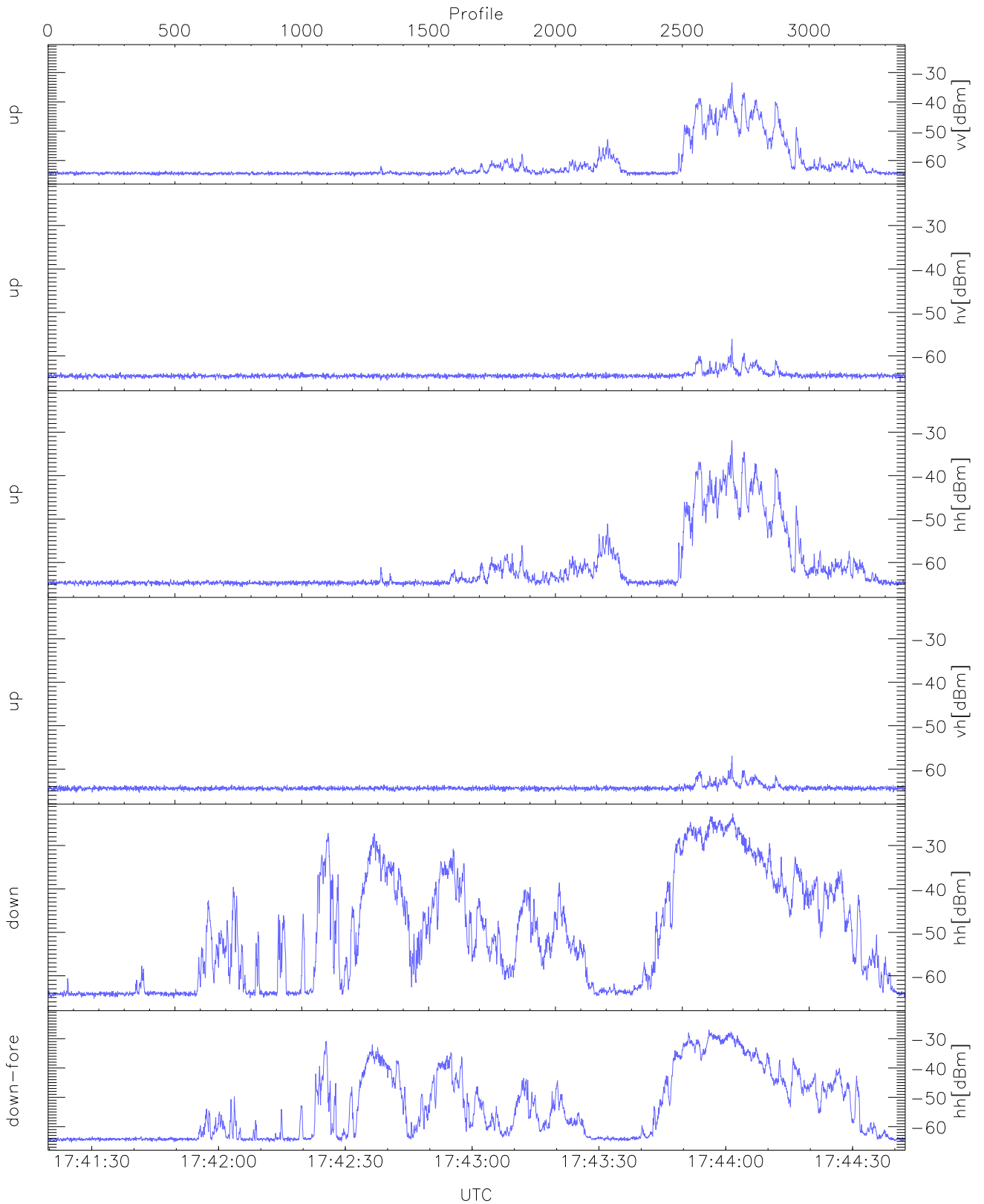
WCR3 CPP Averaged Received power for all recorded gates  
blue: 174120-174301, 1691 profiles averaged  
red: 174301-174442, 1690 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 174120-174301, 1691 profiles averaged  
red: 174301-174442, 1690 profiles averaged

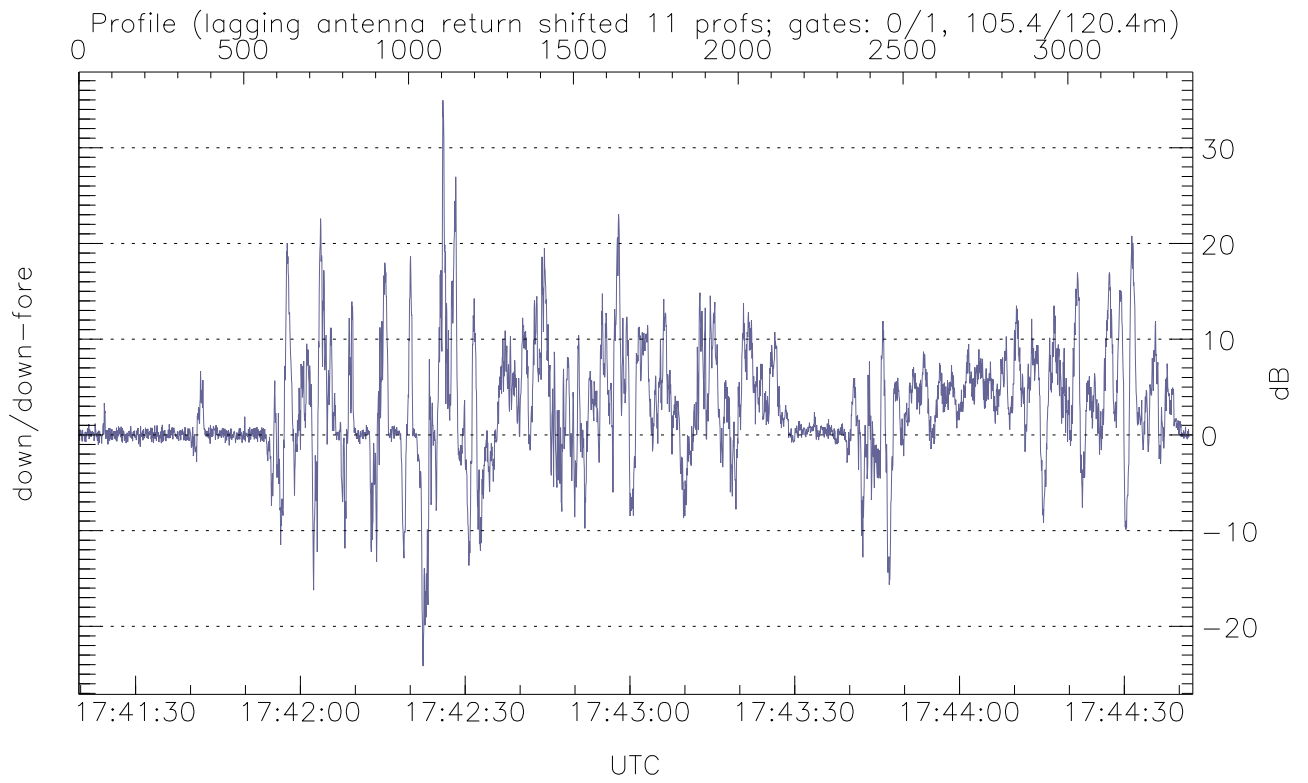


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



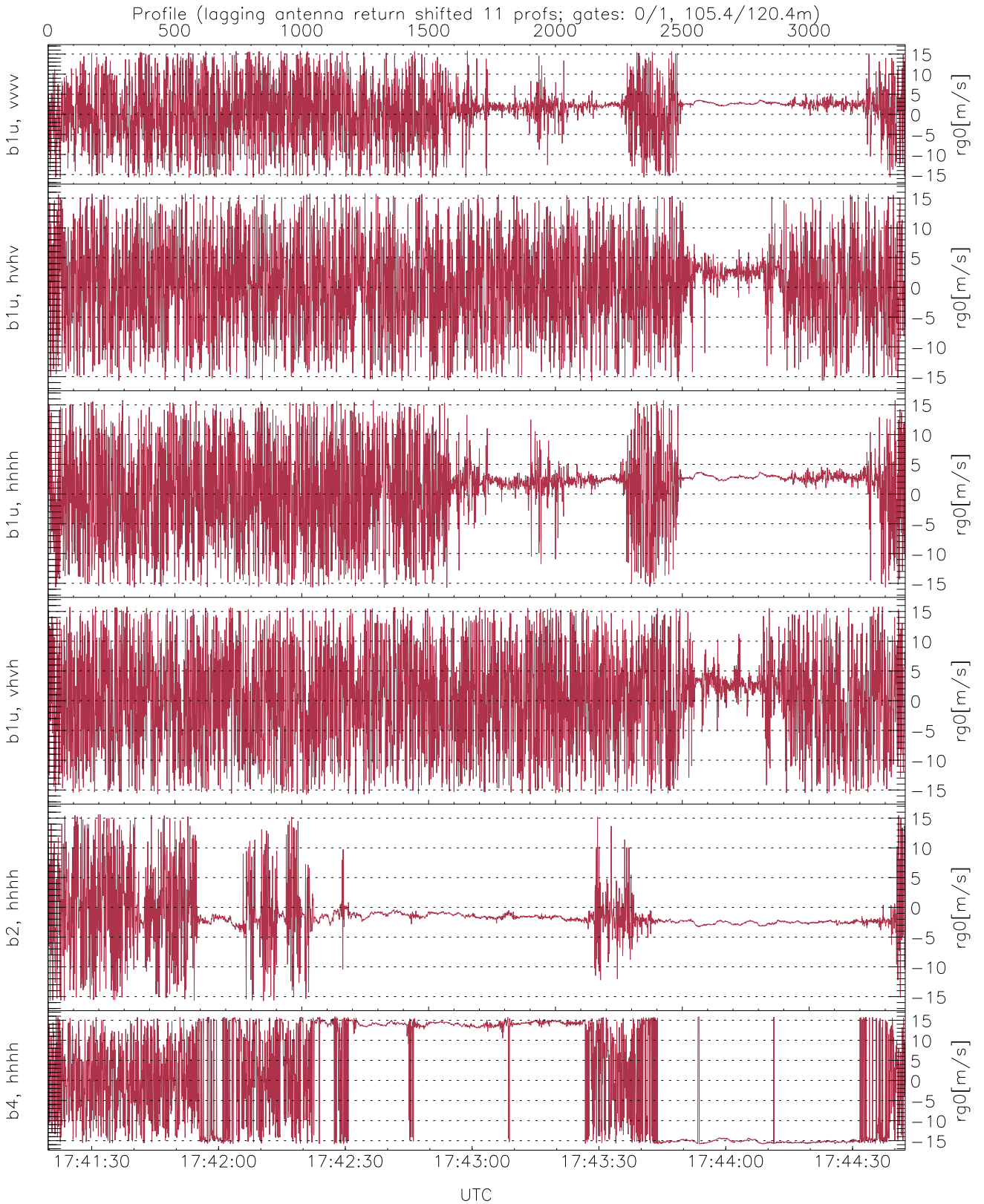
WCR3 CPP Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vv[dBm])	-65.42	-33.42	-52.76
up(hv[dBm])	-65.87	-56.12	-64.35
up(hh[dBm])	-65.66	-31.93	-51.00
up(vh[dBm])	-65.49	-56.92	-64.22
down(hh[dBm])	-65.25	-22.62	-35.99
down-fore(hh[dBm])	-65.29	-26.98	-40.47



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

	Min	Max	Mean
down/down-fore(dB)	-24.15	34.96	2.61



WCR3 CPP Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvv(rg0[m/s])	-15.76	15.79	0.98	6.37
b1u, hvhv(rg0[m/s])	-15.76	15.79	0.36	7.57
b1u, hhhh(rg0[m/s])	-15.75	15.79	1.04	6.62
b1u, vvhv(rg0[m/s])	-15.78	15.79	0.44	8.22
b2, hhhh(rg0[m/s])	-15.72	15.63	-1.47	4.28
b4, hhhh(rg0[m/s])	-15.79	15.79	0.41	13.09