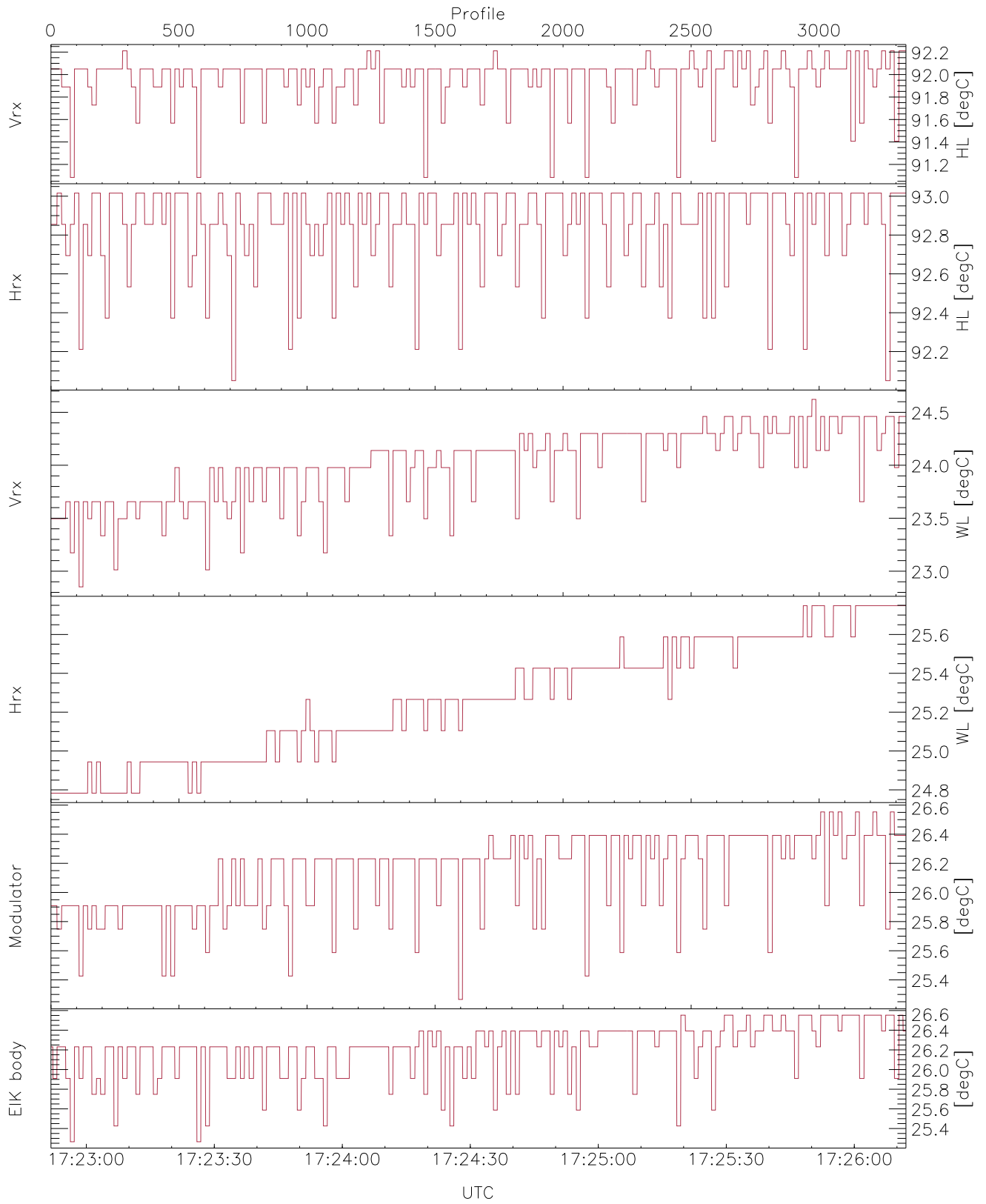


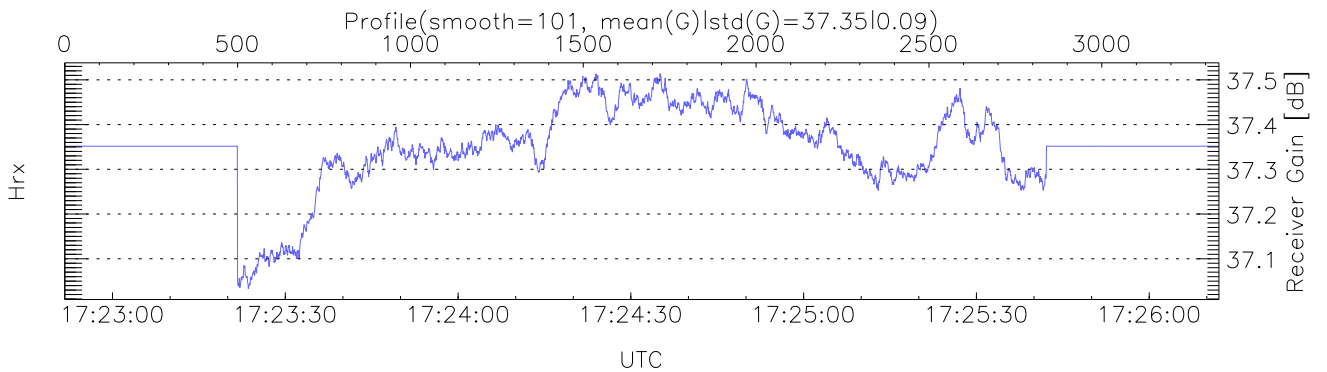
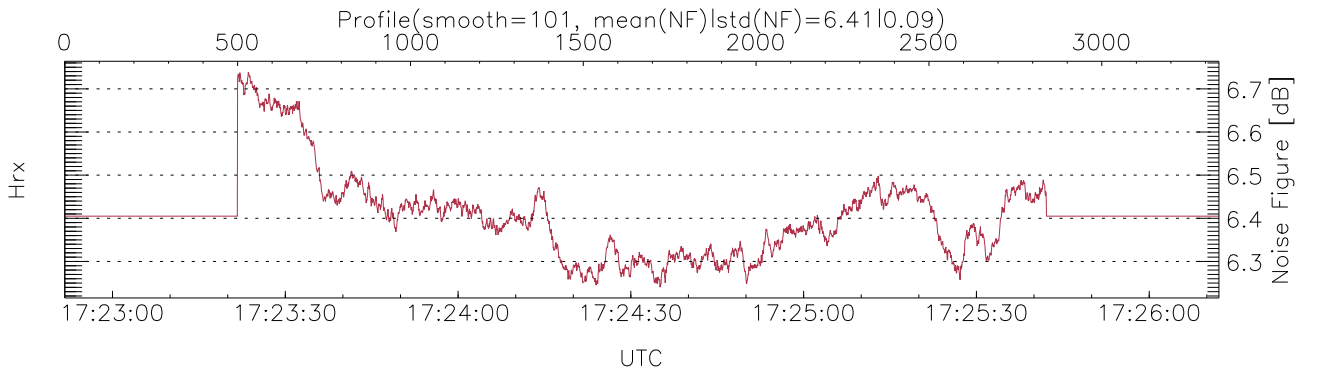
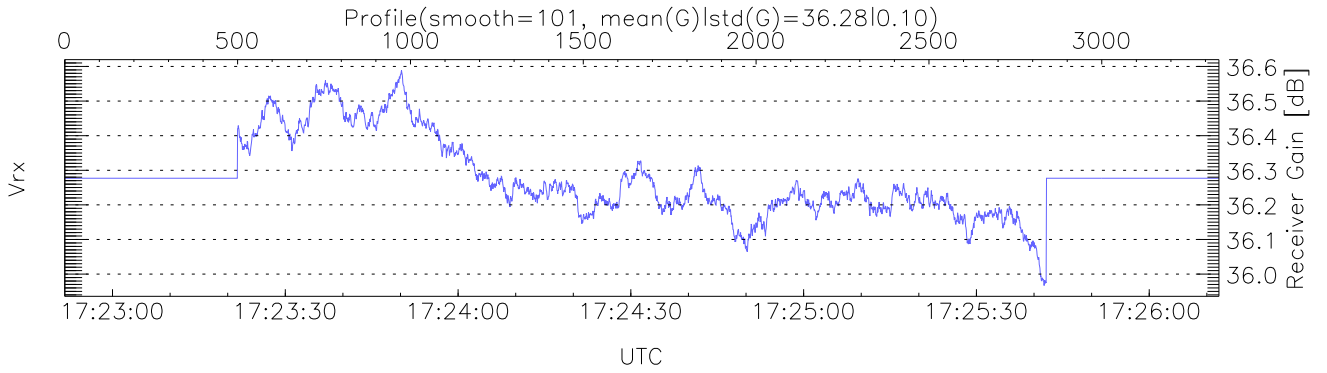
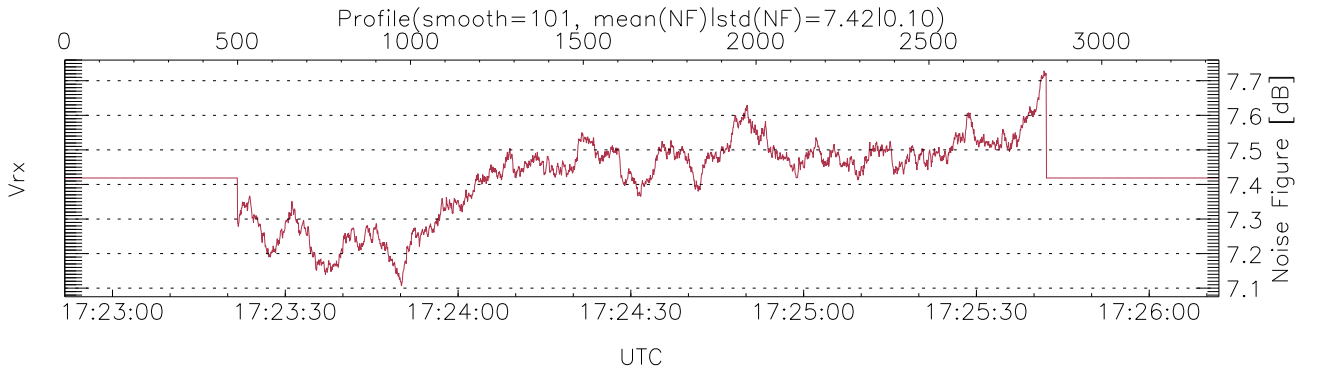
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 17:22:52-17:26:12, TimeCor: 0.00s, Dur: 200.39s  
 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): 3340/3340, 0-3339/17:22:52-17:26:12  
 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 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



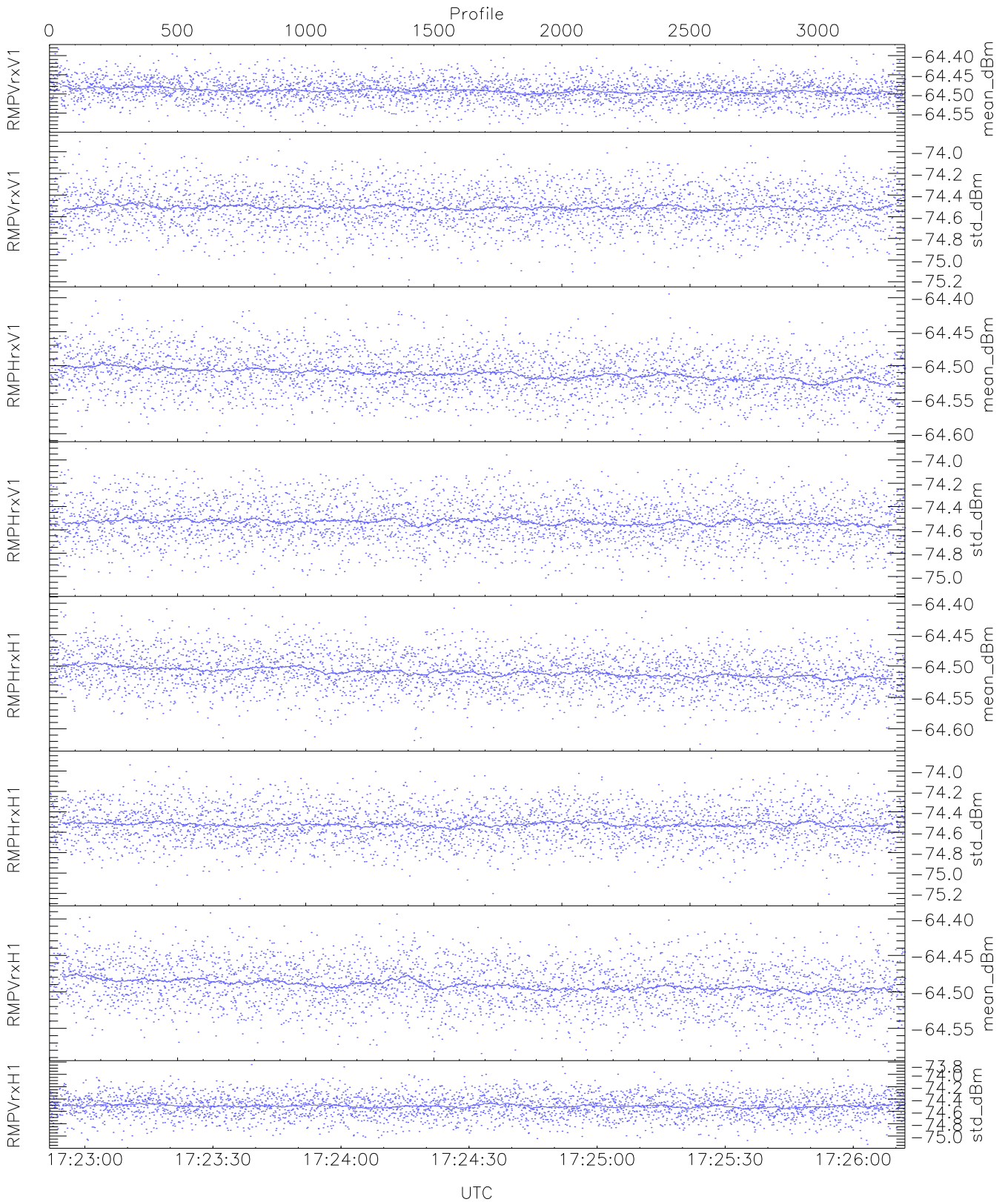
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,22,24,25,25`  
`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,24,25,26,26`  
`LOalarm(20,240,2817,14861 MHz): 0,0,18,0`  
`EIK/Modulator Faults: None`



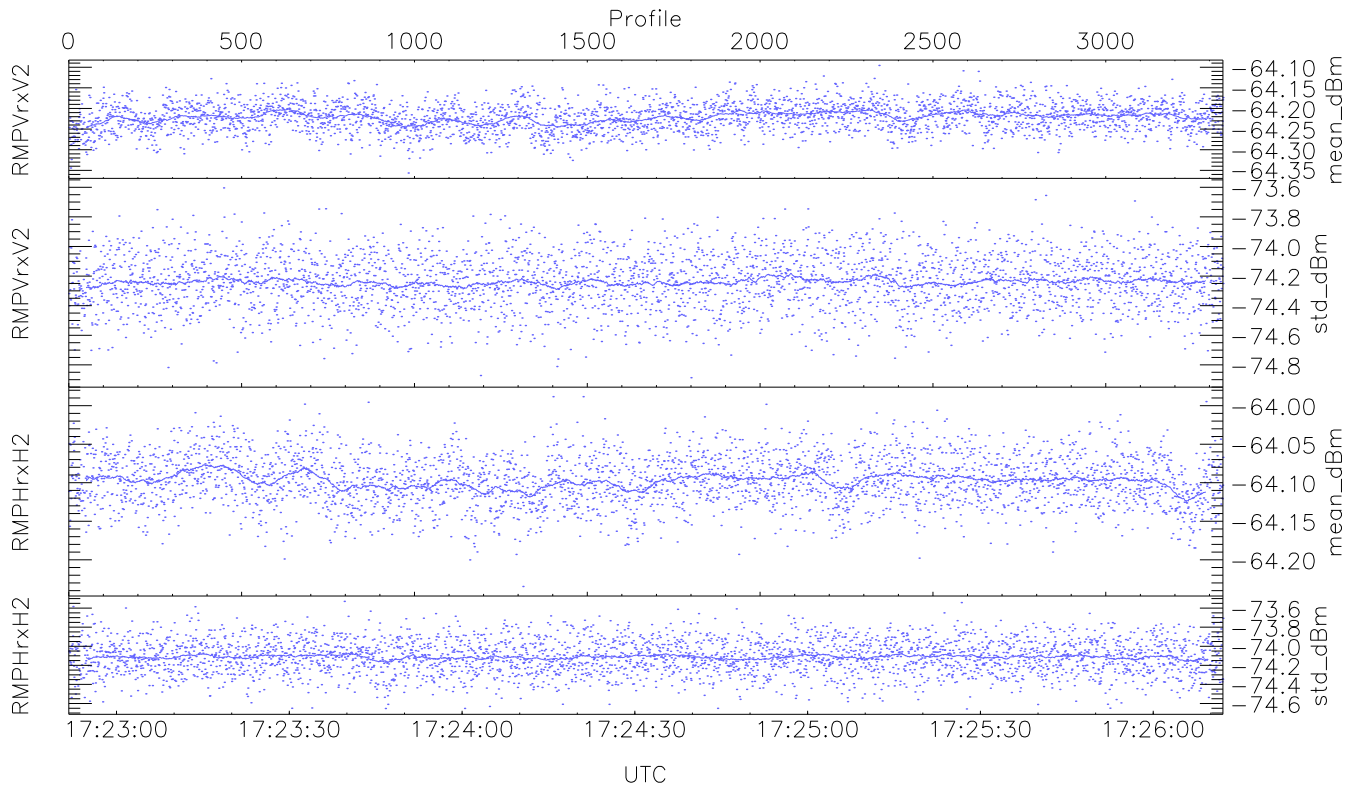
### WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 26 pixs, 4 gates, 22 profs, 1 prod(s)



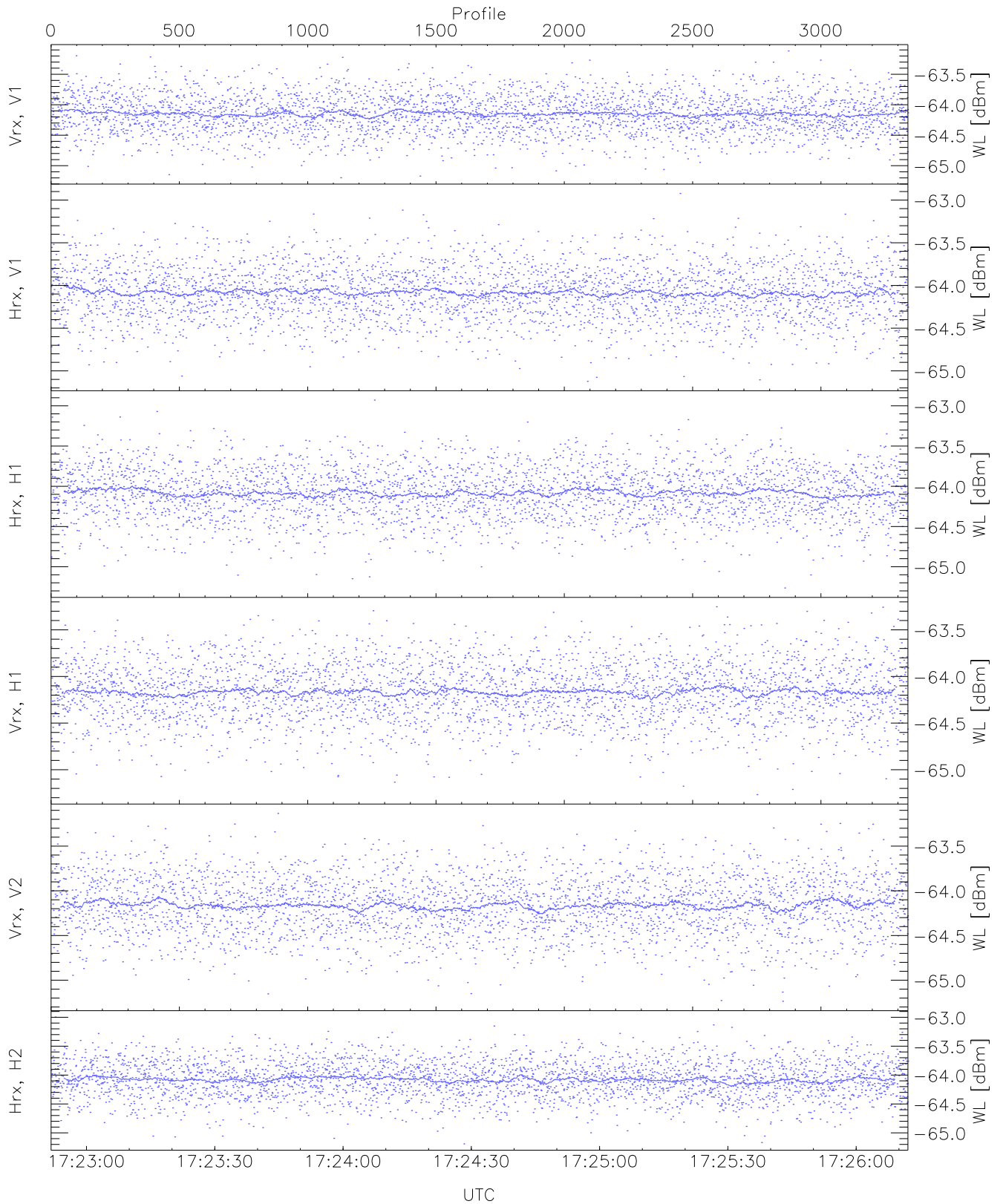
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPVrxV1 (mean_dBm)	-64.59	-64.38	-64.49	-64.49	-86.10
RMPVrxV1 (std_dBm)	-75.18	-73.88	-74.51	-74.51	-88.23
RMPHrxV1 (mean_dBm)	-64.60	-64.39	-64.51	-64.51	-86.00
RMPHrxV1 (std_dBm)	-75.11	-73.90	-74.53	-74.53	-88.38
RMPHrxH1 (mean_dBm)	-64.62	-64.40	-64.51	-64.51	-85.99
RMPHrxH1 (std_dBm)	-75.25	-73.87	-74.52	-74.53	-88.38
RMPVrxH1 (mean_dBm)	-64.58	-64.39	-64.49	-64.49	-86.05
RMPVrxH1 (std_dBm)	-75.13	-73.84	-74.51	-74.51	-88.21



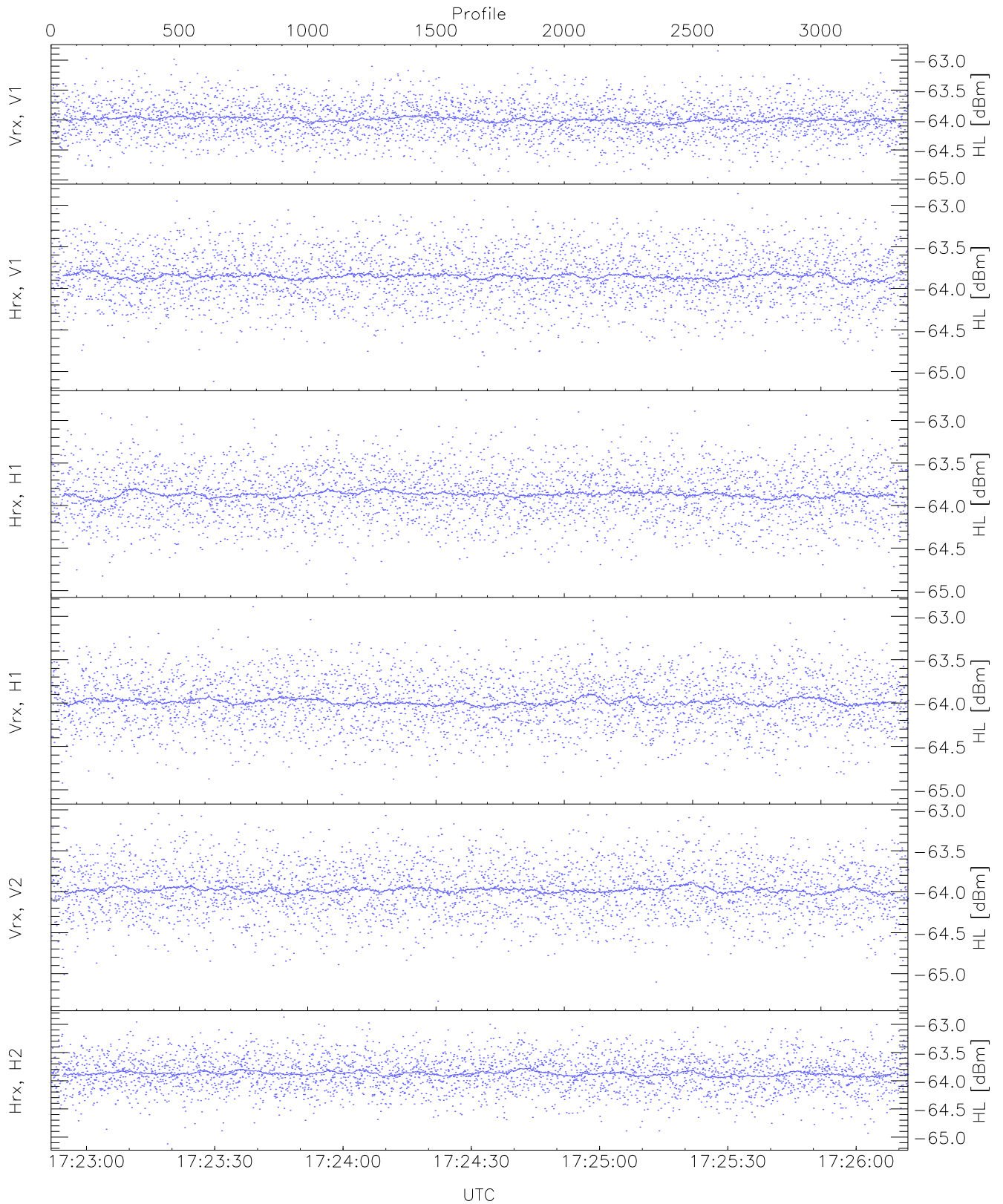
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPVrxV2(mean_dBm)	-64.36	-64.10	-64.22	-64.22	-85.33
RMPVrxV2(std_dBm)	-74.89	-73.60	-74.24	-74.24	-88.03
RMPHrxH2(mean_dBm)	-64.23	-63.99	-64.10	-64.10	-85.41
RMPHrxH2(std_dBm)	-74.66	-73.53	-74.11	-74.11	-88.03



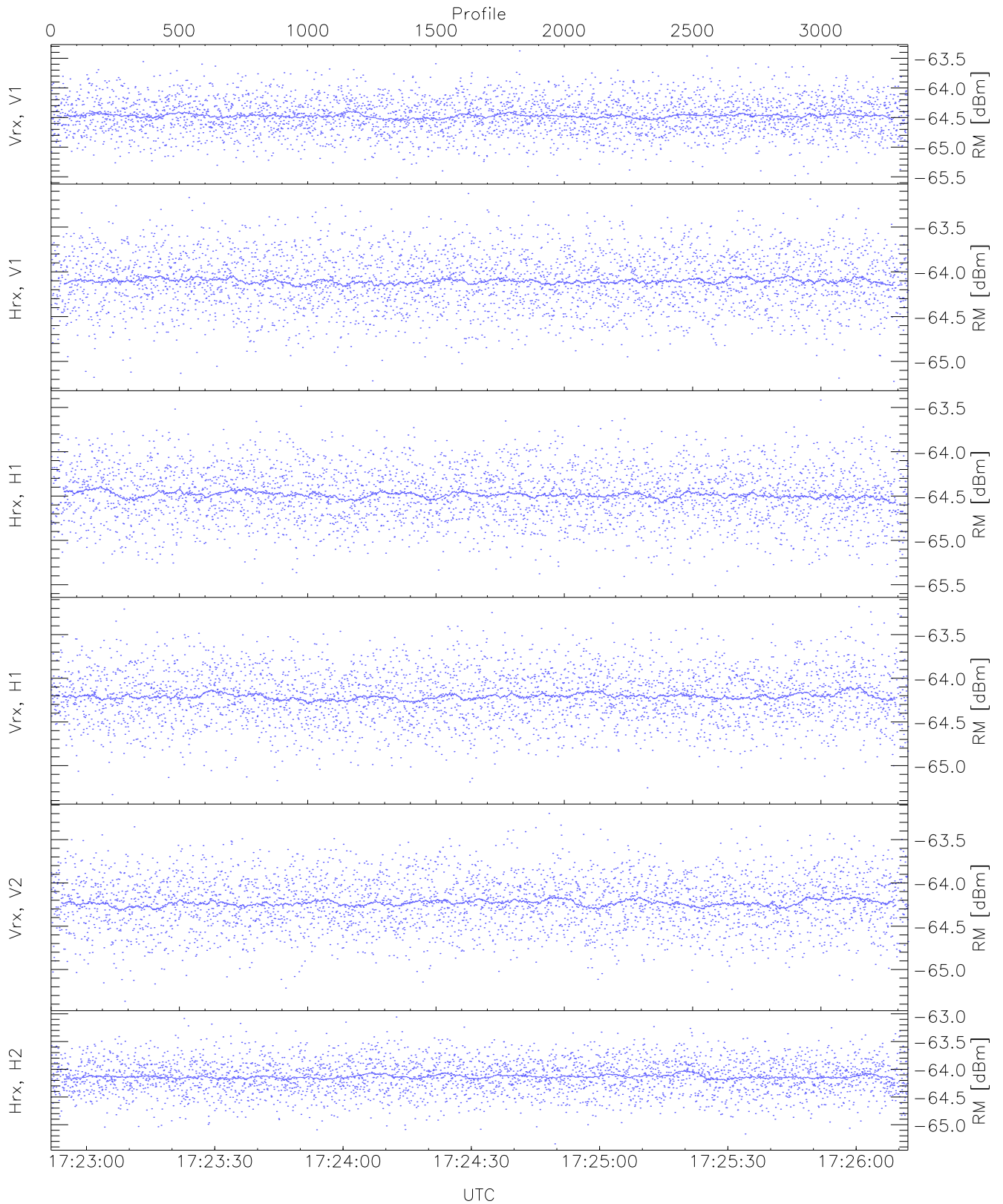
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Vrx, V1 (WL [dBm])	-65.20	-63.12	-64.14	-64.15	-75.71
Hrx, V1 (WL [dBm])	-65.12	-62.92	-64.08	-64.08	-75.63
Hrx, H1 (WL [dBm])	-65.26	-62.93	-64.08	-64.08	-75.63
Vrx, H1 (WL [dBm])	-65.27	-63.25	-64.16	-64.16	-75.76
Vrx, V2 (WL [dBm])	-65.24	-63.13	-64.15	-64.16	-75.62
Hrx, H2 (WL [dBm])	-65.19	-63.00	-64.07	-64.07	-75.66



WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

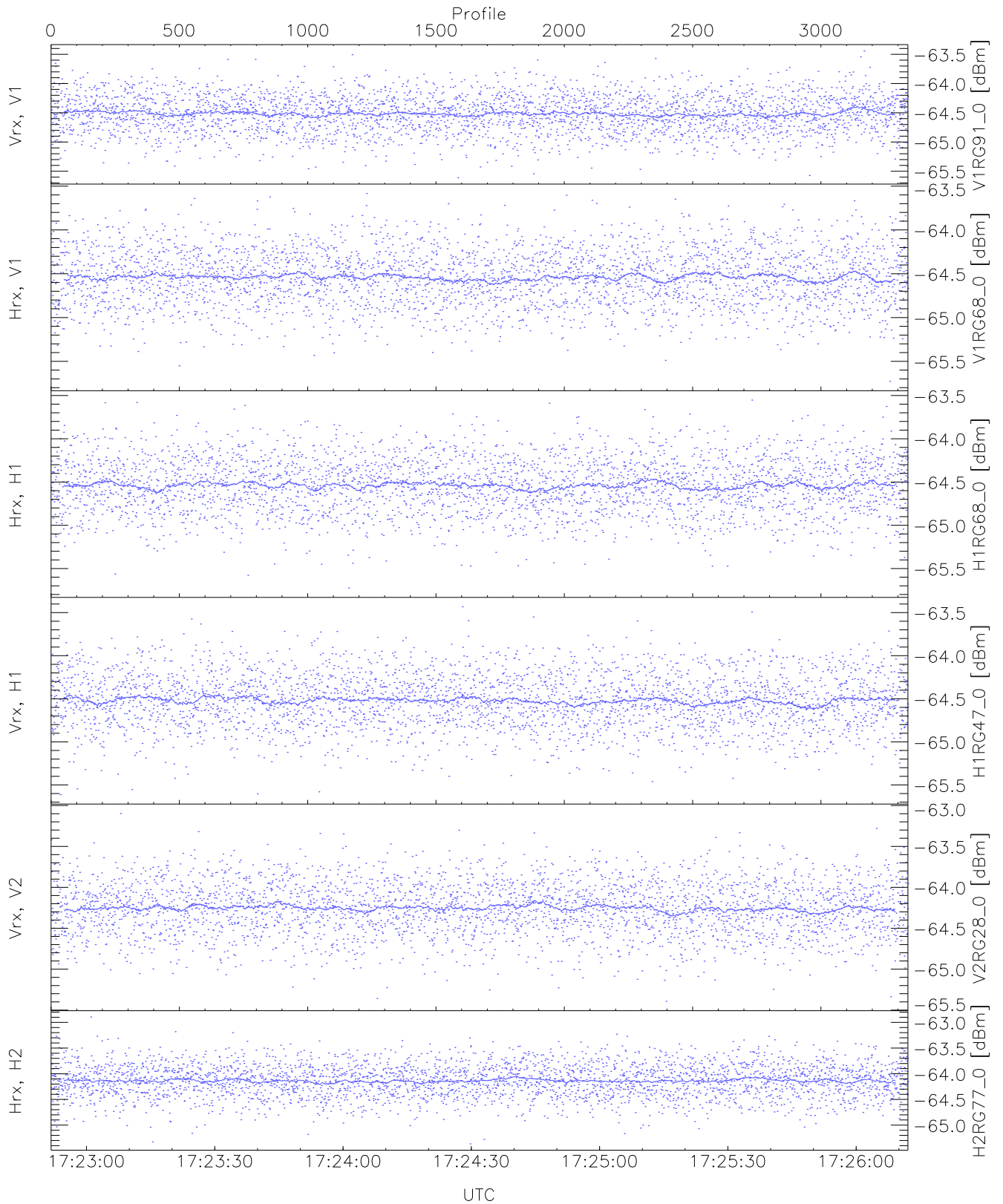
	Min	Max	Mean	Median	StDev
Vrx, V1 (HL [dBm])	-64.96	-62.85	-63.98	-63.99	-75.56
Hrx, V1 (HL [dBm])	-65.12	-62.86	-63.85	-63.85	-75.35
Hrx, H1 (HL [dBm])	-64.97	-62.76	-63.86	-63.87	-75.48
Vrx, H1 (HL [dBm])	-65.06	-62.89	-63.98	-63.99	-75.61
Vrx, V2 (HL [dBm])	-65.34	-63.04	-63.97	-63.98	-75.40
Hrx, H2 (HL [dBm])	-65.12	-62.87	-63.86	-63.87	-75.35



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

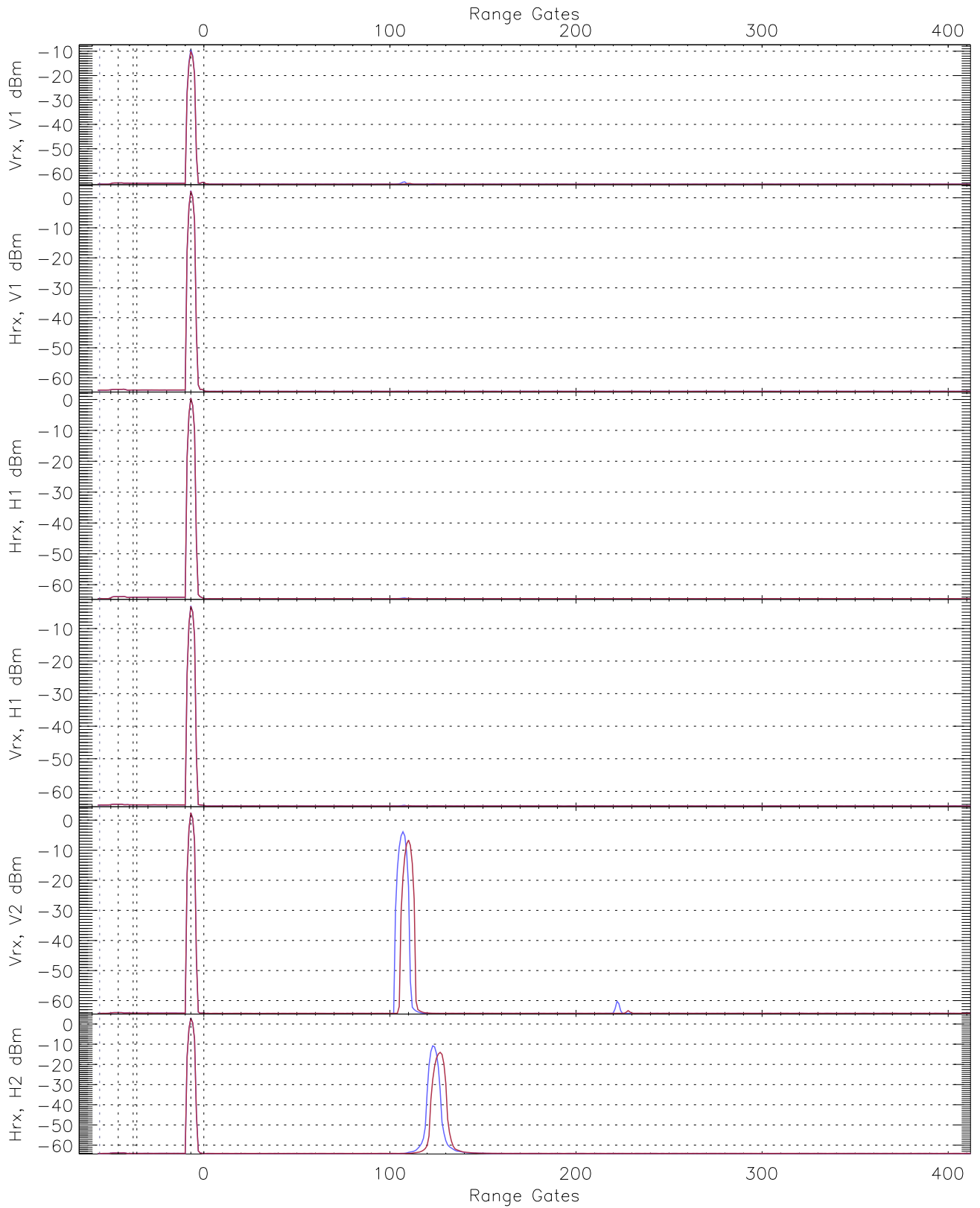
	Min	Max	Mean	Median	StDev
Vrx, V1 (RM [dBm])	-65.52	-63.38	-64.46	-64.47	-76.00
Hrx, V1 (RM [dBm])	-65.22	-63.13	-64.09	-64.10	-75.55
Hrx, H1 (RM [dBm])	-65.54	-63.42	-64.48	-64.49	-76.02
Vrx, H1 (RM [dBm])	-65.33	-63.18	-64.20	-64.21	-75.73
Vrx, V2 (RM [dBm])	-65.37	-63.20	-64.22	-64.23	-75.78
Hrx, H2 (RM [dBm])	-65.34	-63.06	-64.13	-64.14	-75.64



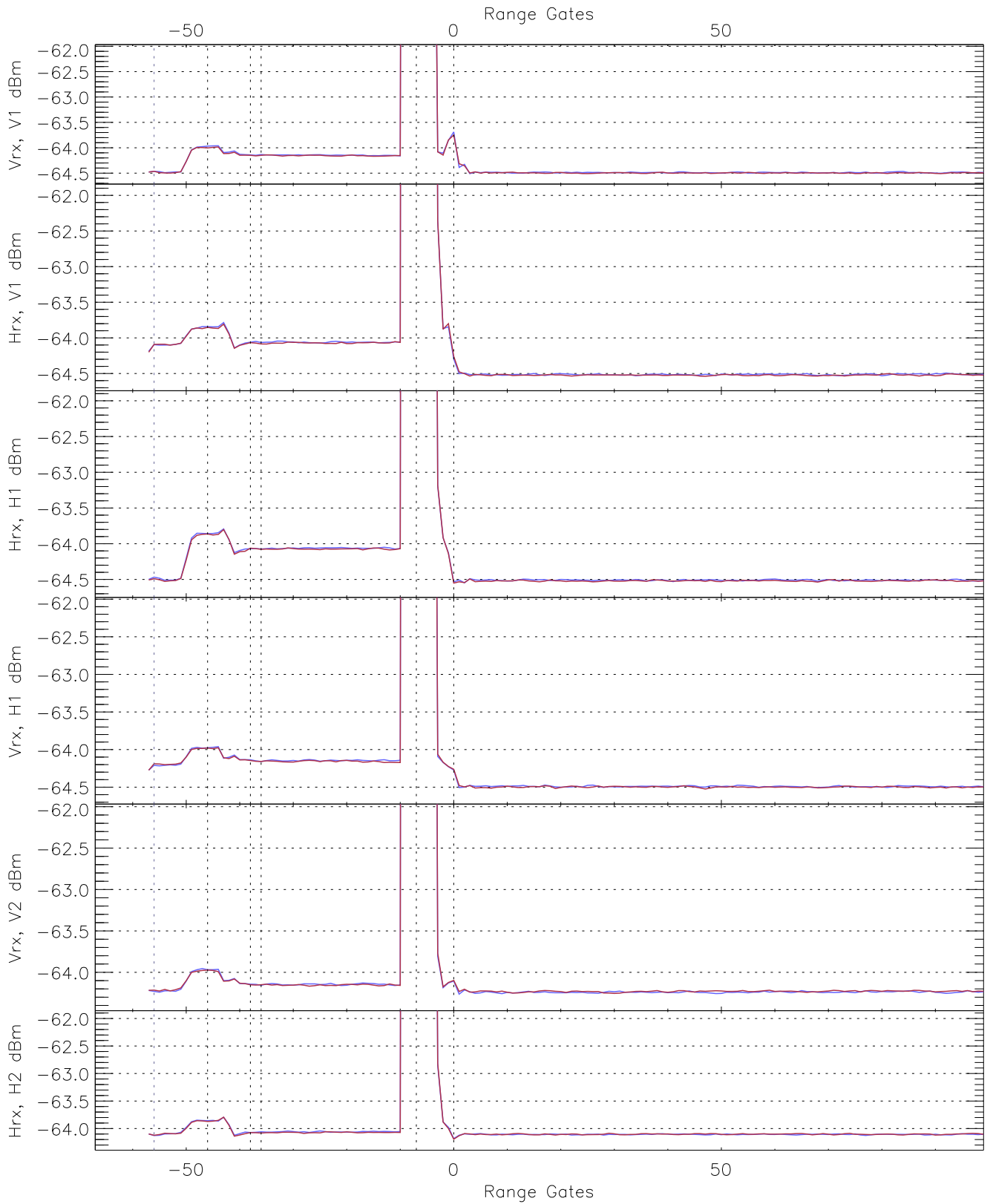


WCR3 CPP "Best" estimate Receivers Noise Power

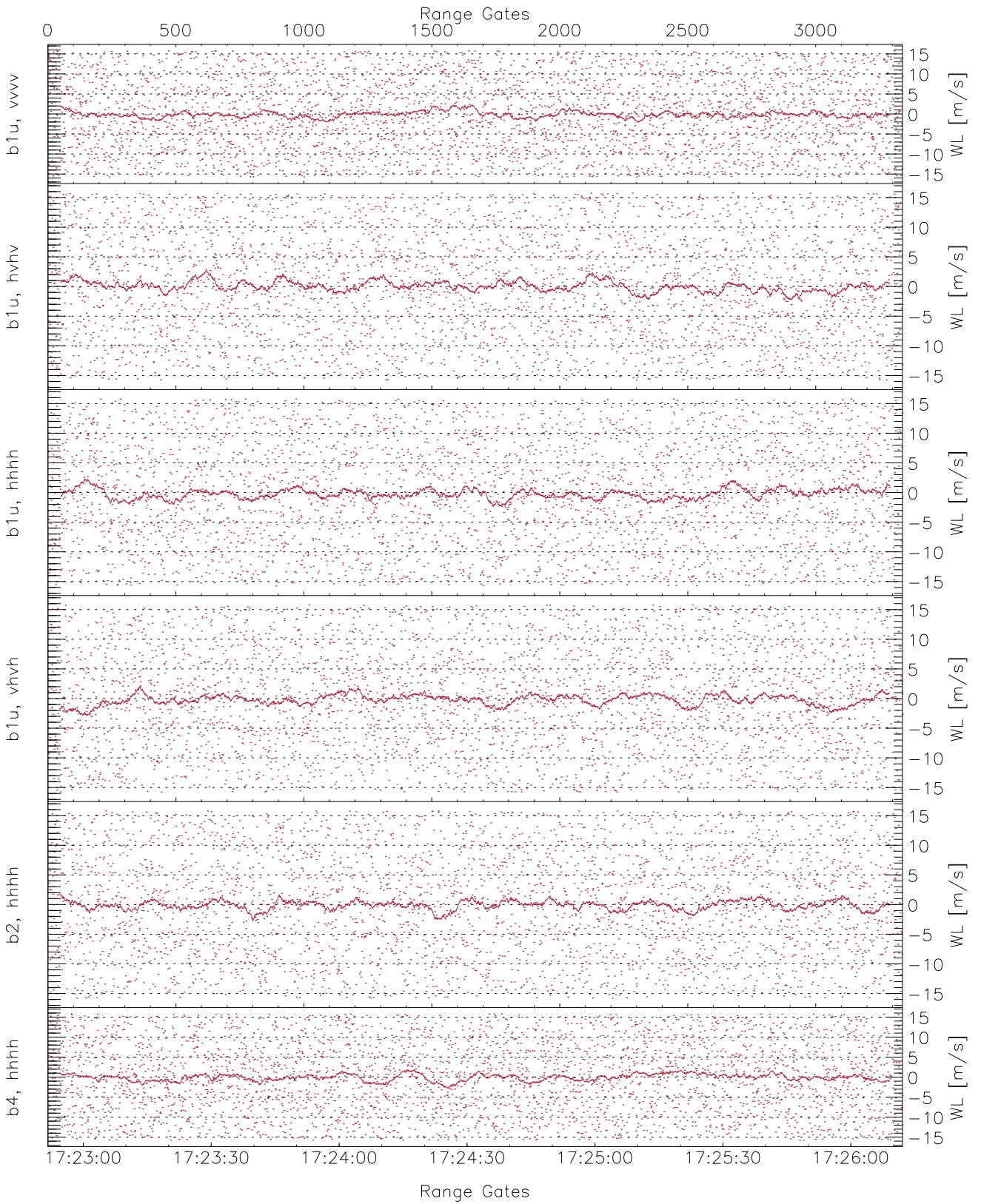
	Min	Max	Mean	Median	StDev
V1RG91_0 [dBm]	-65.61	-63.44	-64.51	-64.51	-75.99
V1RG68_0 [dBm]	-65.73	-63.58	-64.53	-64.54	-76.02
H1RG68_0 [dBm]	-65.72	-63.55	-64.53	-64.54	-76.07
H1RG47_0 [dBm]	-65.61	-63.43	-64.51	-64.52	-76.04
V2RG28_0 [dBm]	-65.39	-63.10	-64.25	-64.25	-75.67
H2RG77_0 [dBm]	-65.37	-62.90	-64.13	-64.13	-75.58



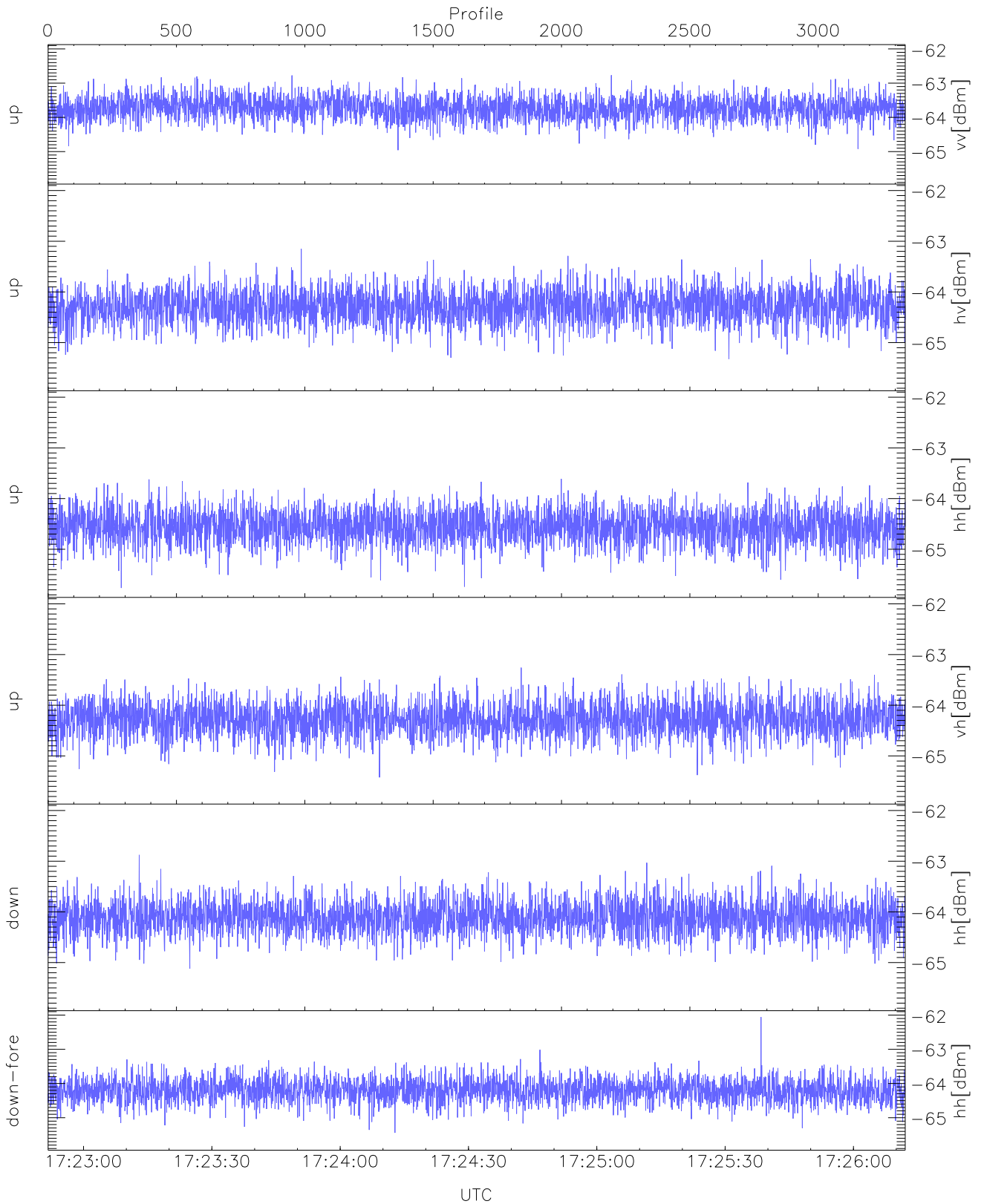
WCR3 CPP Averaged Received power for all recorded gates  
blue: 172252-172432, 1671 profiles averaged  
red: 172432-172612, 1670 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate  
blue: 172252-172432, 1671 profiles averaged  
red: 172432-172612, 1670 profiles averaged

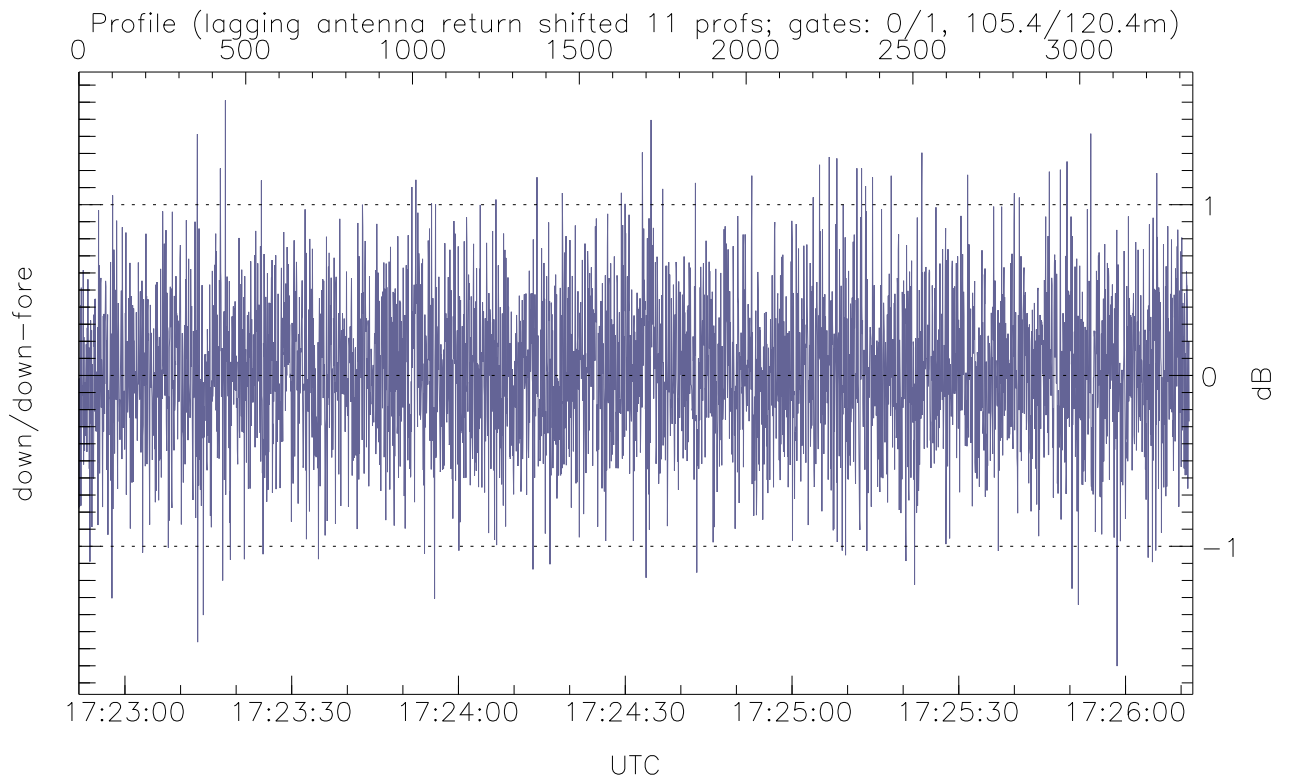


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



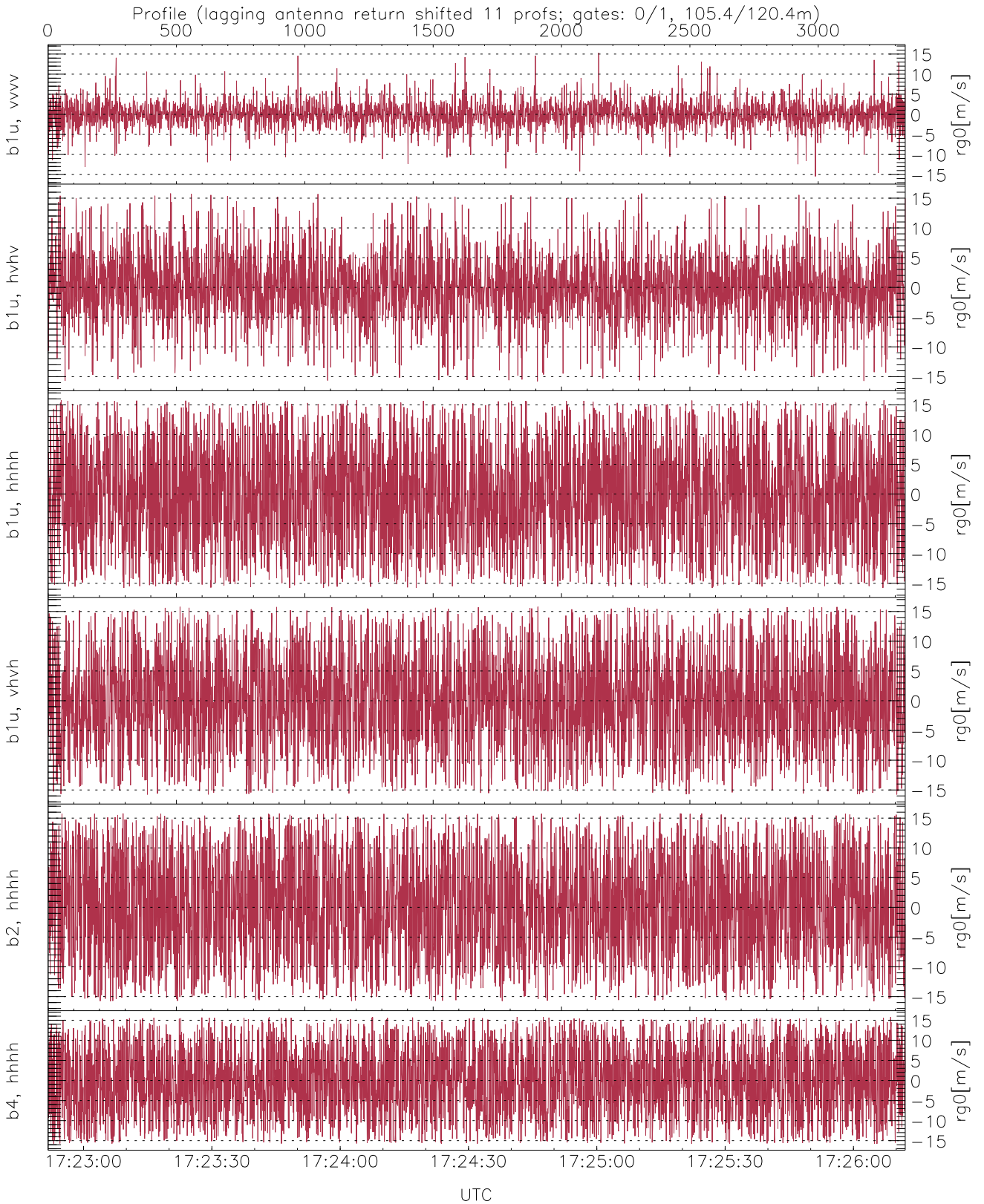
WCR3 CPP Received Power Products for Range gate 0 (105.4 m)

	Min	Max	Mean
up(vv[dBm])	-64.96	-62.77	-63.72
up(hv[dBm])	-65.32	-63.15	-64.28
up(hh[dBm])	-65.76	-63.61	-64.54
up(vh[dBm])	-65.42	-63.26	-64.27
down(hh[dBm])	-65.12	-62.88	-64.10
down-fore(hh[dBm])	-65.44	-62.06	-64.19



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

	Min	Max	Mean
down/down-fore(dB)	-1.70	1.61	0.03



WCR3 CPP Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, vvv(rg0[m/s])	-15.47	15.34	0.01	3.11
b1u, hvhv(rg0[m/s])	-15.77	15.79	-0.07	5.47
b1u, hhhh(rg0[m/s])	-15.78	15.78	-0.26	8.46
b1u, vvhv(rg0[m/s])	-15.77	15.79	0.07	7.83
b2, hhhh(rg0[m/s])	-15.78	15.79	0.18	8.53
b4, hhhh(rg0[m/s])	-15.77	15.79	-0.16	8.59