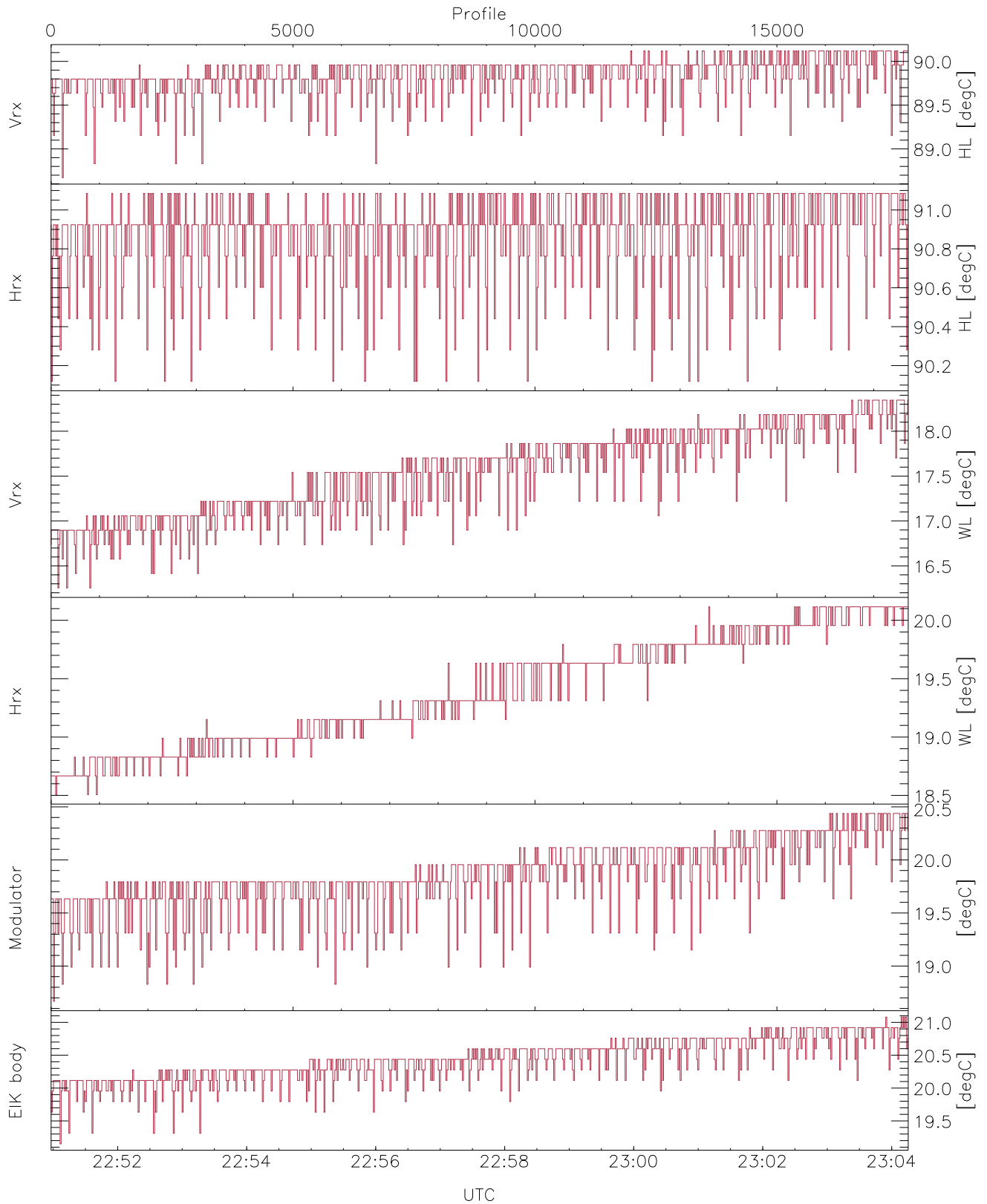


WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:50:58-23:04:15, TimeCor: 0.00s, Dur: 797.33s  
 TimeFlg: 41, Using Host/Server time !  
 TimeInt/PPS(min,max,mn,std): 30.3,59.7,45.0,0.6 ms / 33.0,16.7,22.2  
 NumRec(r/t): 17715/17715, 0-17714/22:50:58-23:04:15  
 AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100  
 Pulse: 250ns, IFF: 4.0MHz, Tx: 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 KHz, IGS: 50us  
 Range(min,max,rgs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7  
 Mirror(-910112,3,9x = no mirror/sideluplerror): 1



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

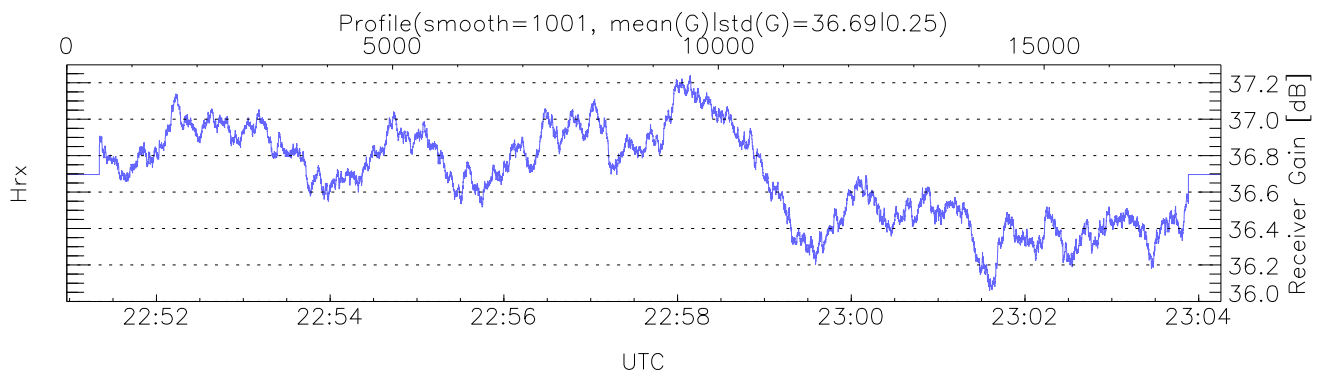
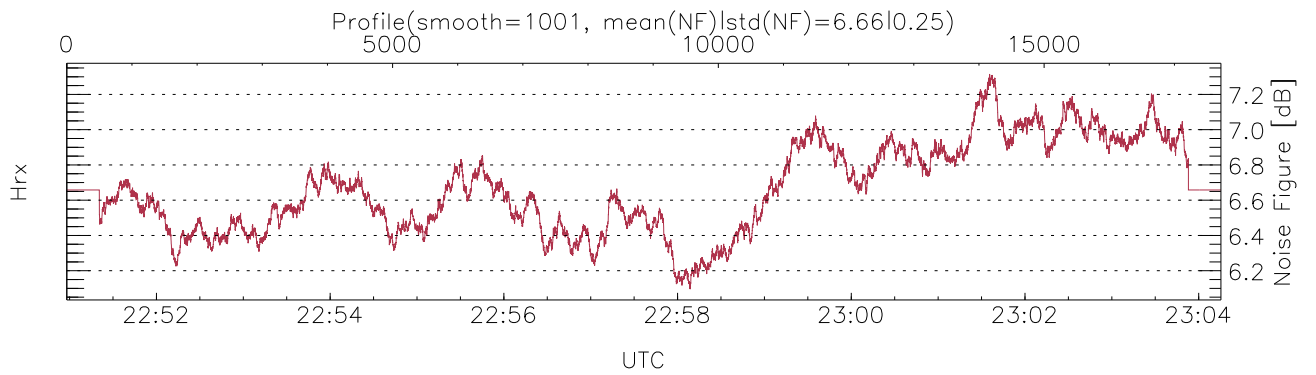
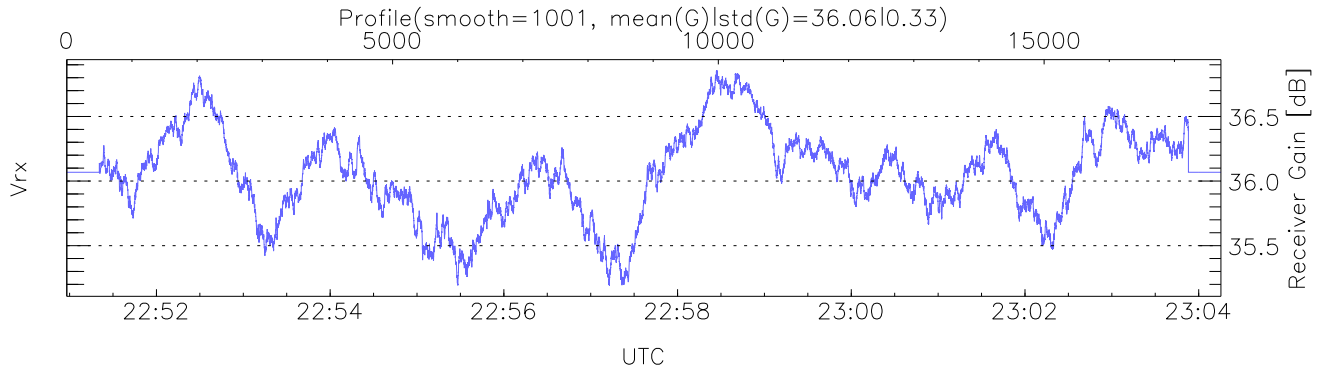
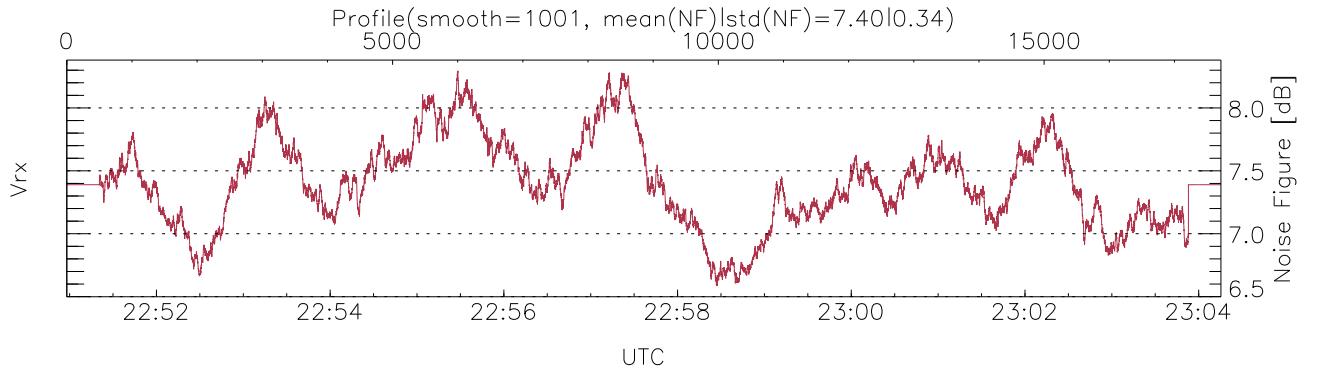
`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 88,90,16,18,18,19`

`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 90,91,18,20,20,21`

`LOalarm(20,240,2817,14861 MHz): 0,0,24,0`

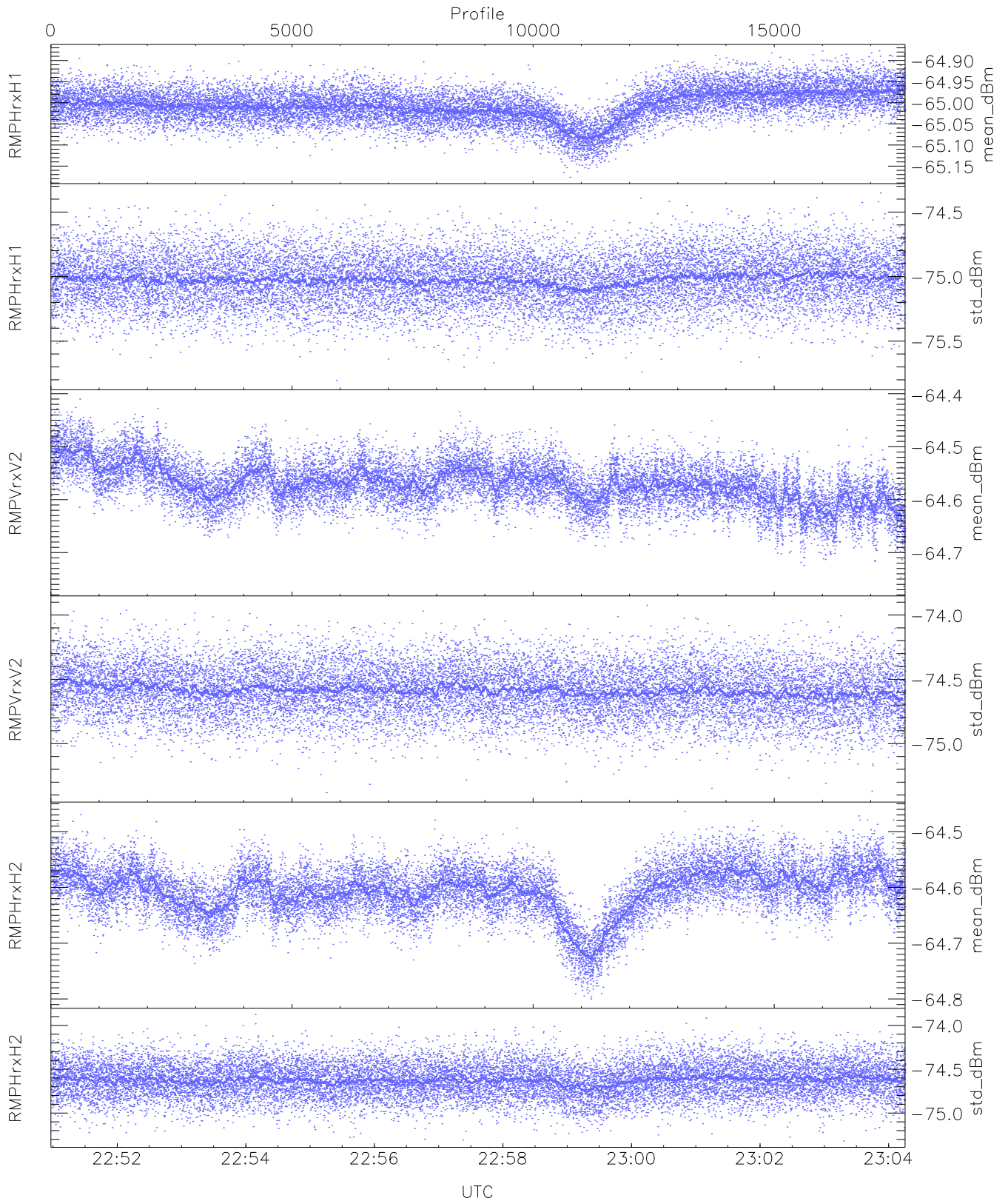
`EIK Faults(# prof affected):`

`DeckT,CollT,BodyCurr,Fault2,DeckF,OverDuty,HVPS,Fault1 (46,46,46,24,70,46,46,24)`



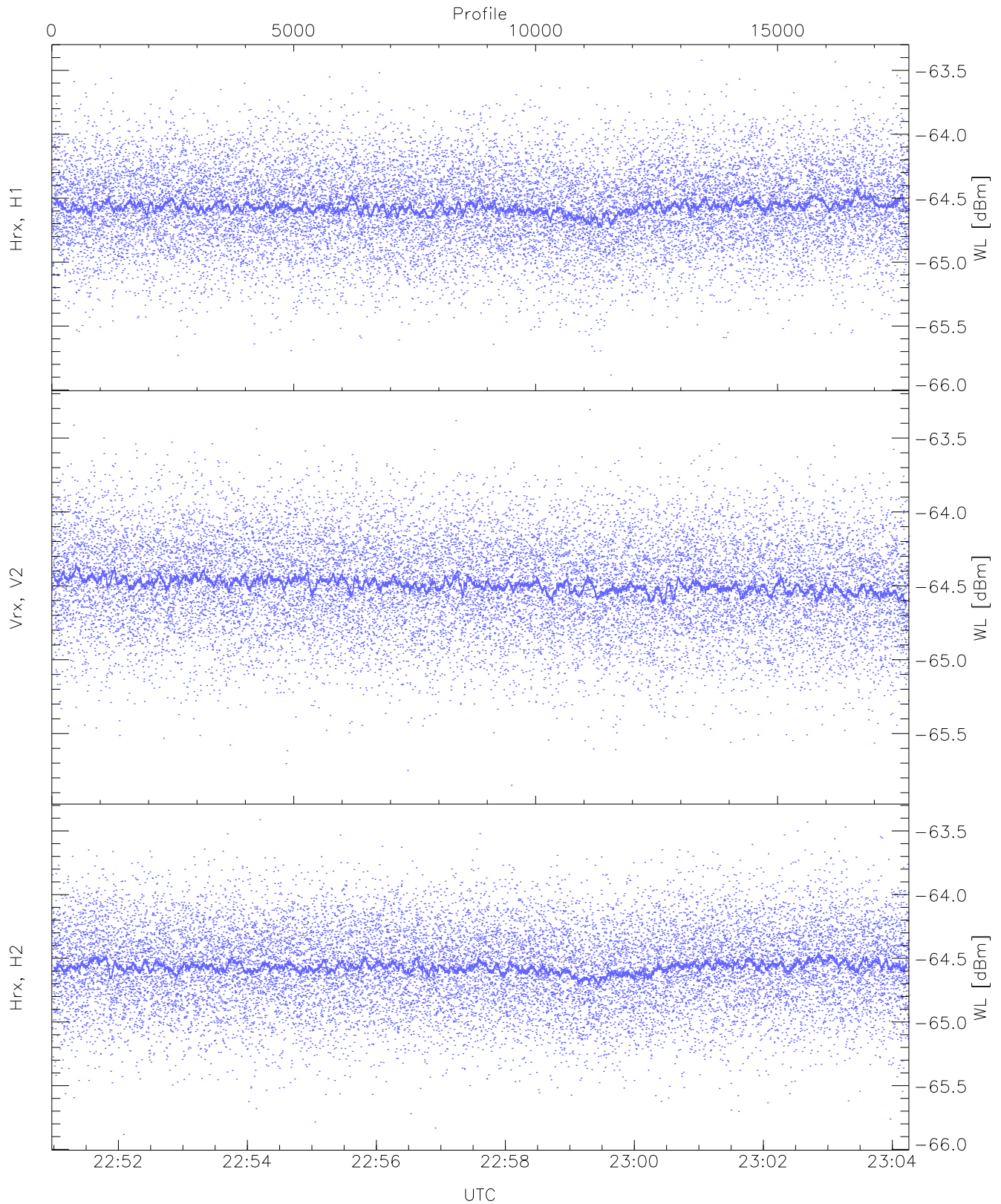
### WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 30 pixs, 3 gates, 30 profs, 1 prod(s)



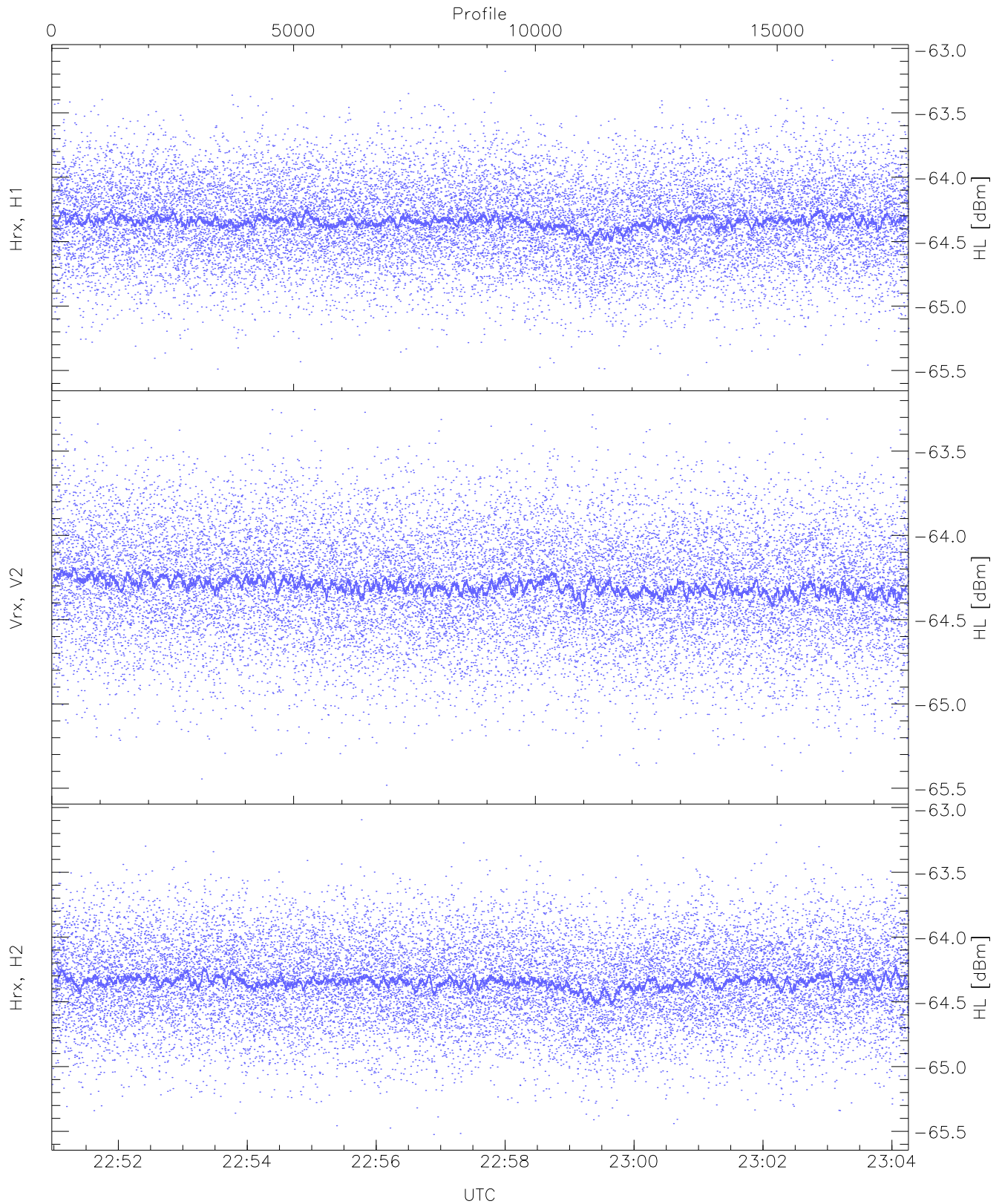
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.18	-64.88	-65.01	-65.01	-85.44
RMPHrxH1(std_dBm)	-75.80	-74.35	-75.02	-75.02	-88.78
RMPVrxV2(mean_dBm)	-64.76	-64.41	-64.57	-64.57	-84.73
RMPVrxV2(std_dBm)	-75.38	-73.92	-74.58	-74.59	-88.35
RMPHrxH2(mean_dBm)	-64.80	-64.46	-64.61	-64.60	-84.56
RMPHrxH2(std_dBm)	-75.32	-73.88	-74.62	-74.63	-88.33



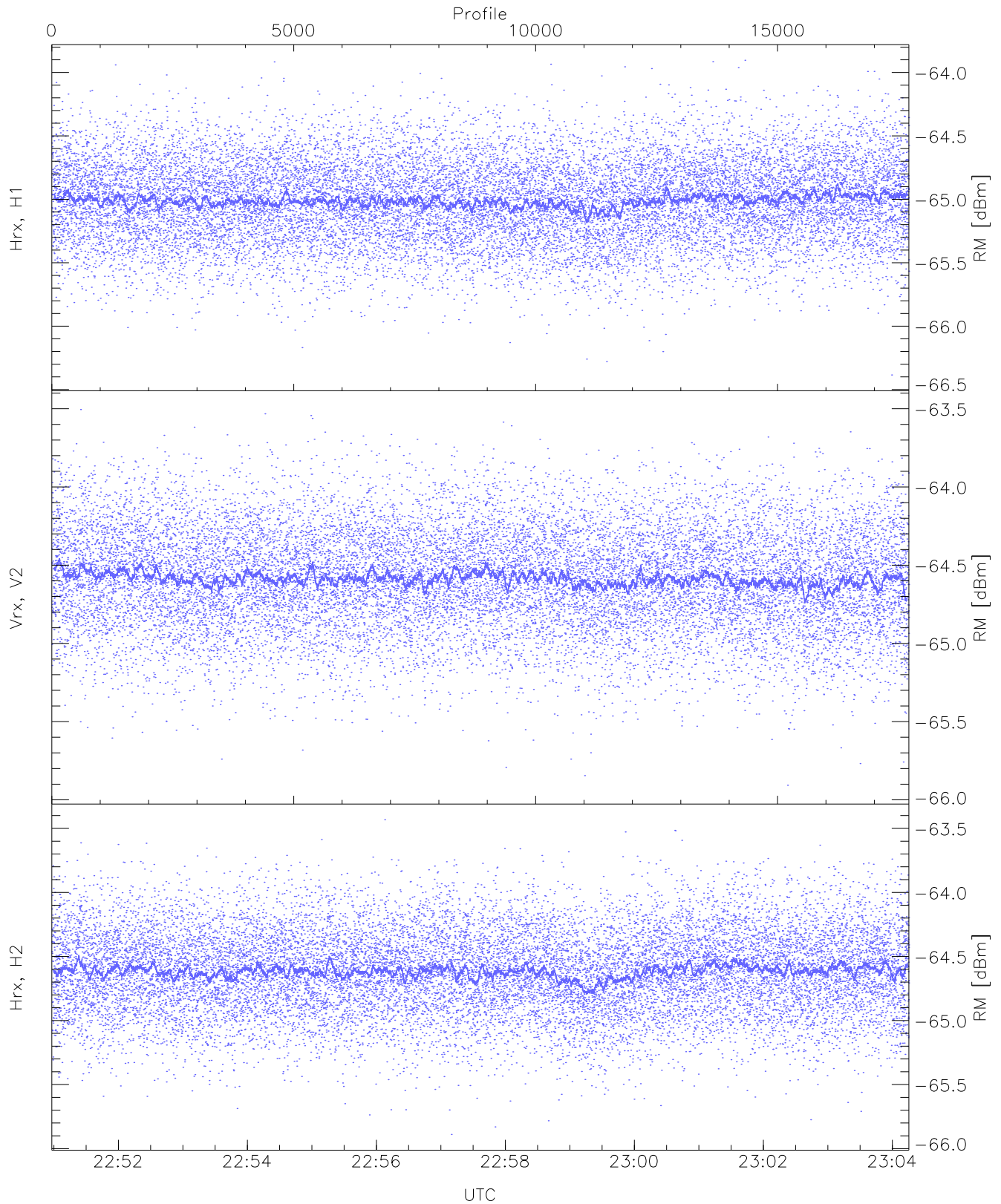
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (WL [dBm])	-65.88	-63.42	-64.56	-64.57	-76.07
Vrx, V2 (WL [dBm])	-65.85	-63.31	-64.49	-64.49	-75.97
Hrx, H2 (WL [dBm])	-65.88	-63.41	-64.56	-64.57	-75.99



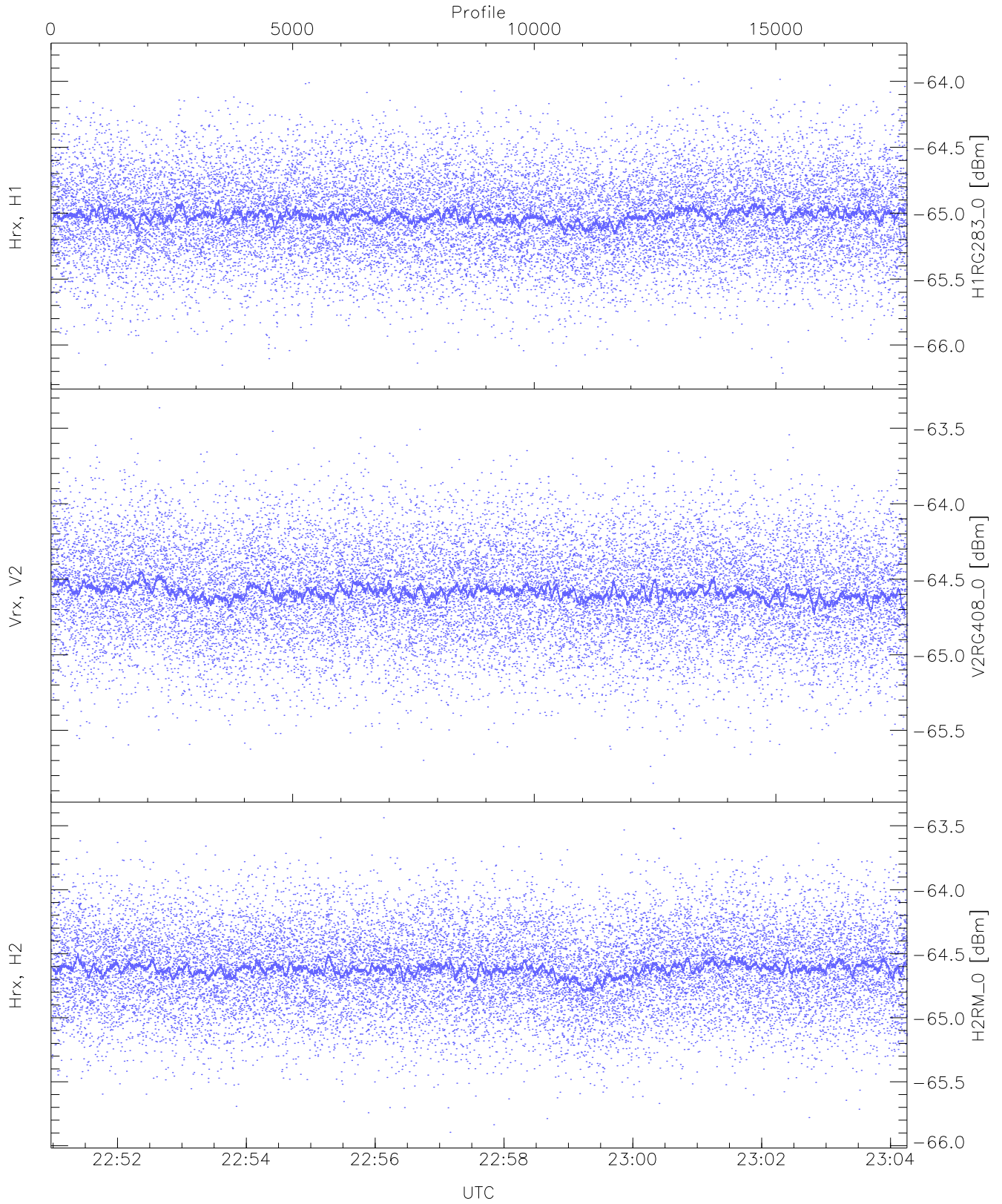
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (HL [dBm])	-65.53	-63.09	-64.34	-64.35	-75.85
Vrx, V2 (HL [dBm])	-65.48	-63.25	-64.29	-64.30	-75.79
Hrx, H2 (HL [dBm])	-65.52	-63.09	-64.34	-64.35	-75.78



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

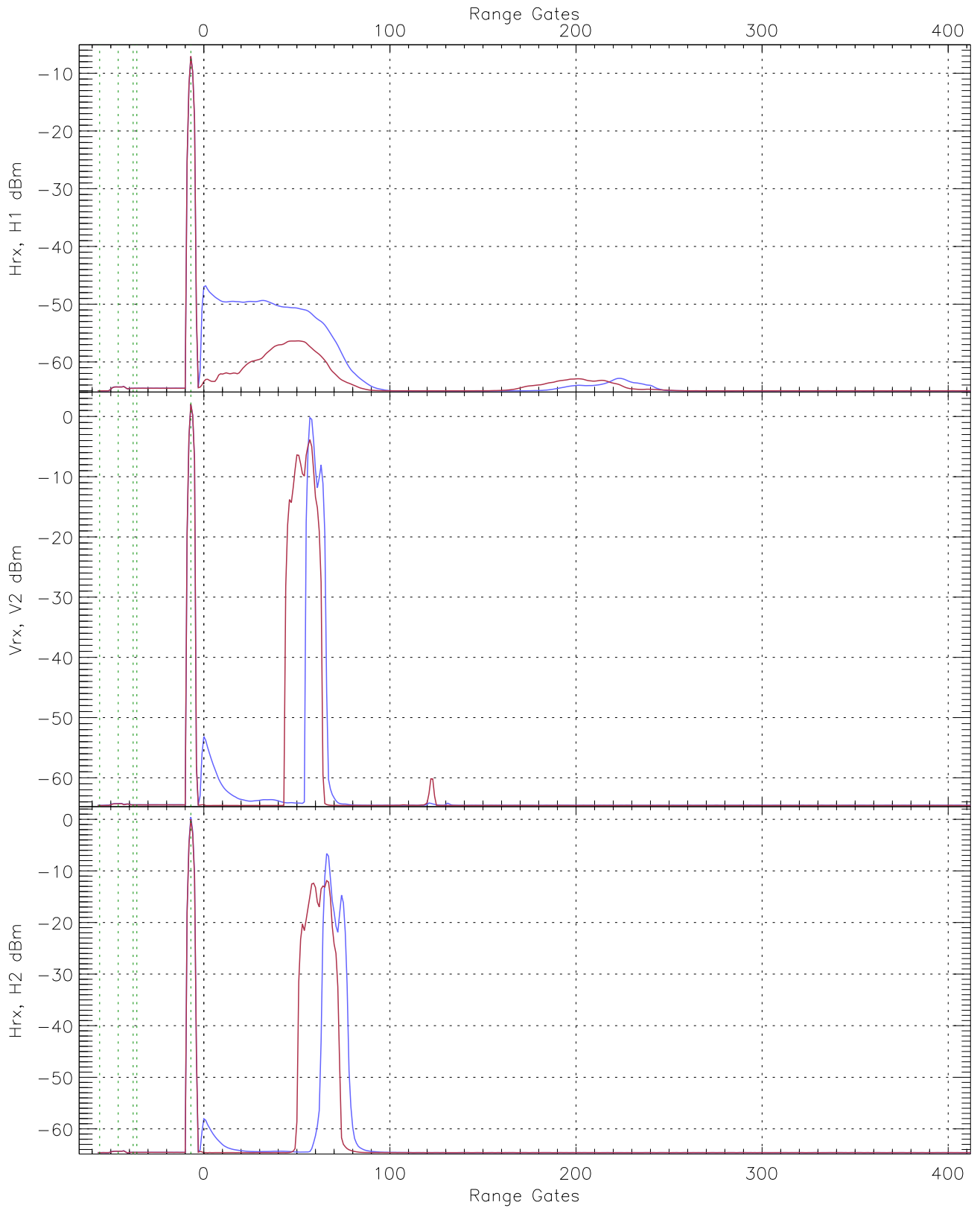
	Min	Max	Mean	Median	StDev
Hrx, H1 (RM [dBm])	-66.39	-63.90	-65.00	-65.01	-76.48
Vrx, V2 (RM [dBm])	-65.91	-63.50	-64.58	-64.59	-76.08
Hrx, H2 (RM [dBm])	-65.89	-63.43	-64.61	-64.62	-76.04



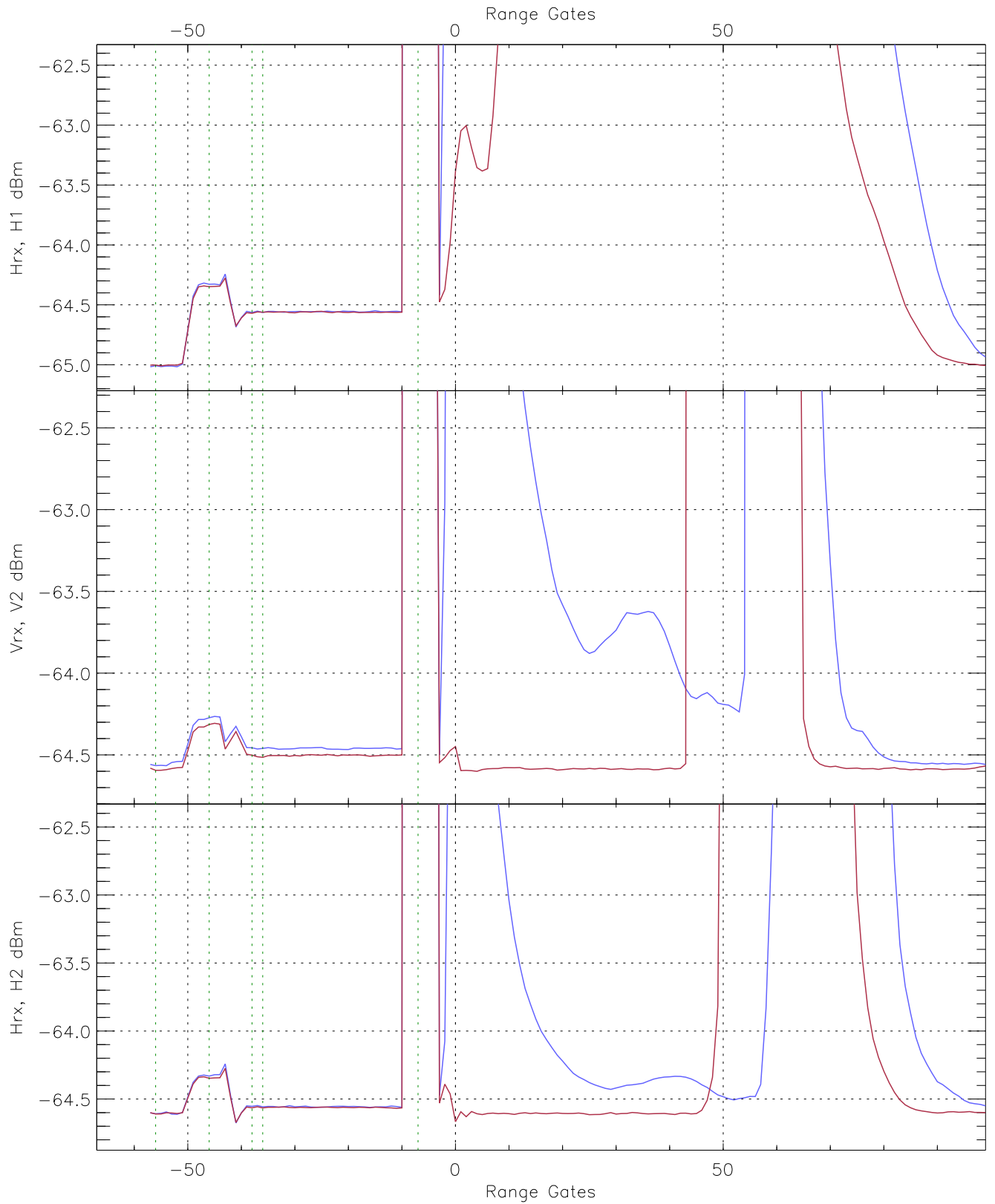
WCR3 CPP "Best" estimate Receivers Noise Power

	Min	Max	Mean	Median	StDev
H1RG283_0 [dBm]	-66.21	-63.83	-65.01	-65.02	-76.50
V2RG408_0 [dBm]	-65.85	-63.36	-64.58	-64.59	-76.07
H2RM_0 [dBm]	-65.89	-63.44	-64.61	-64.62	-76.05

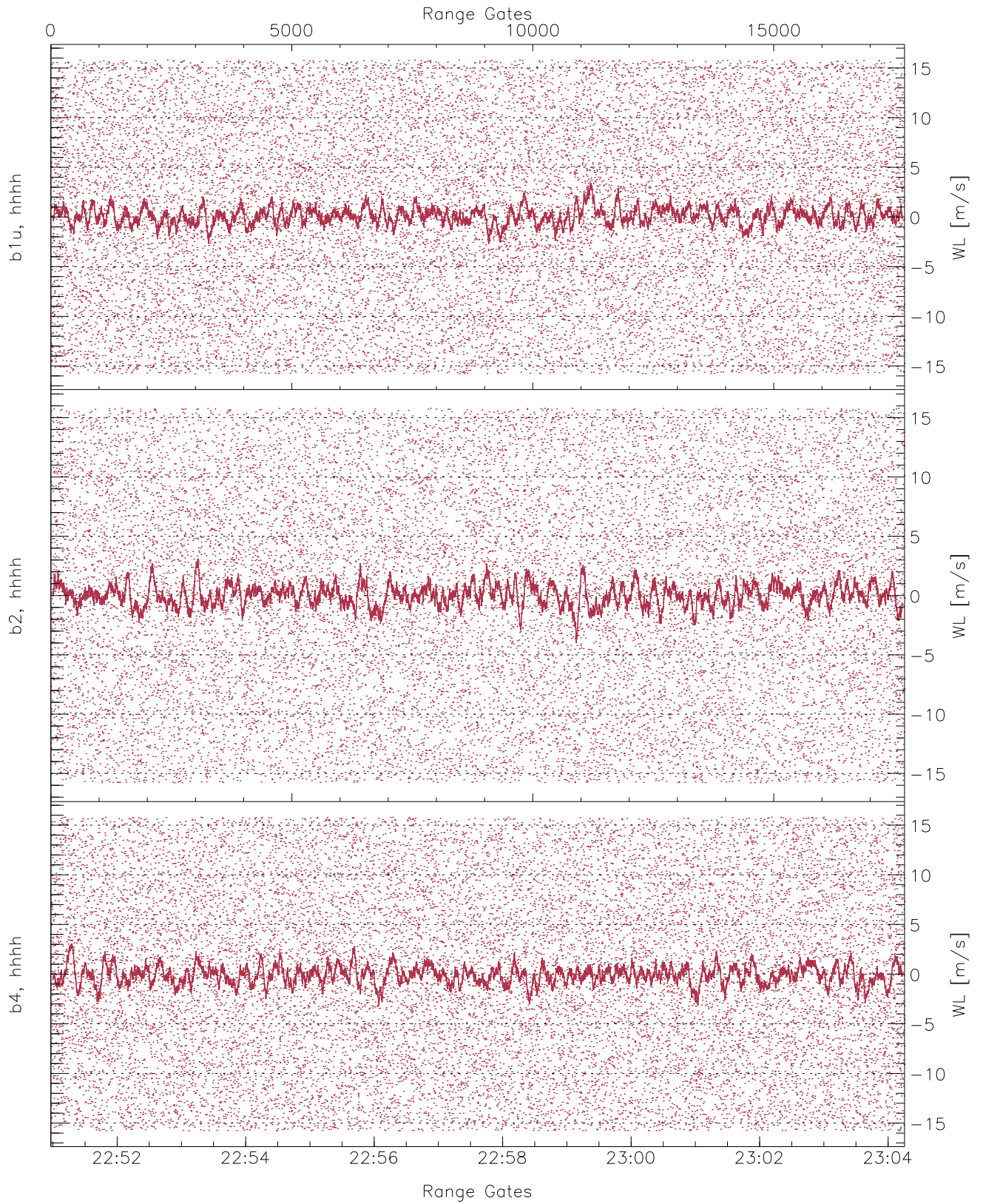




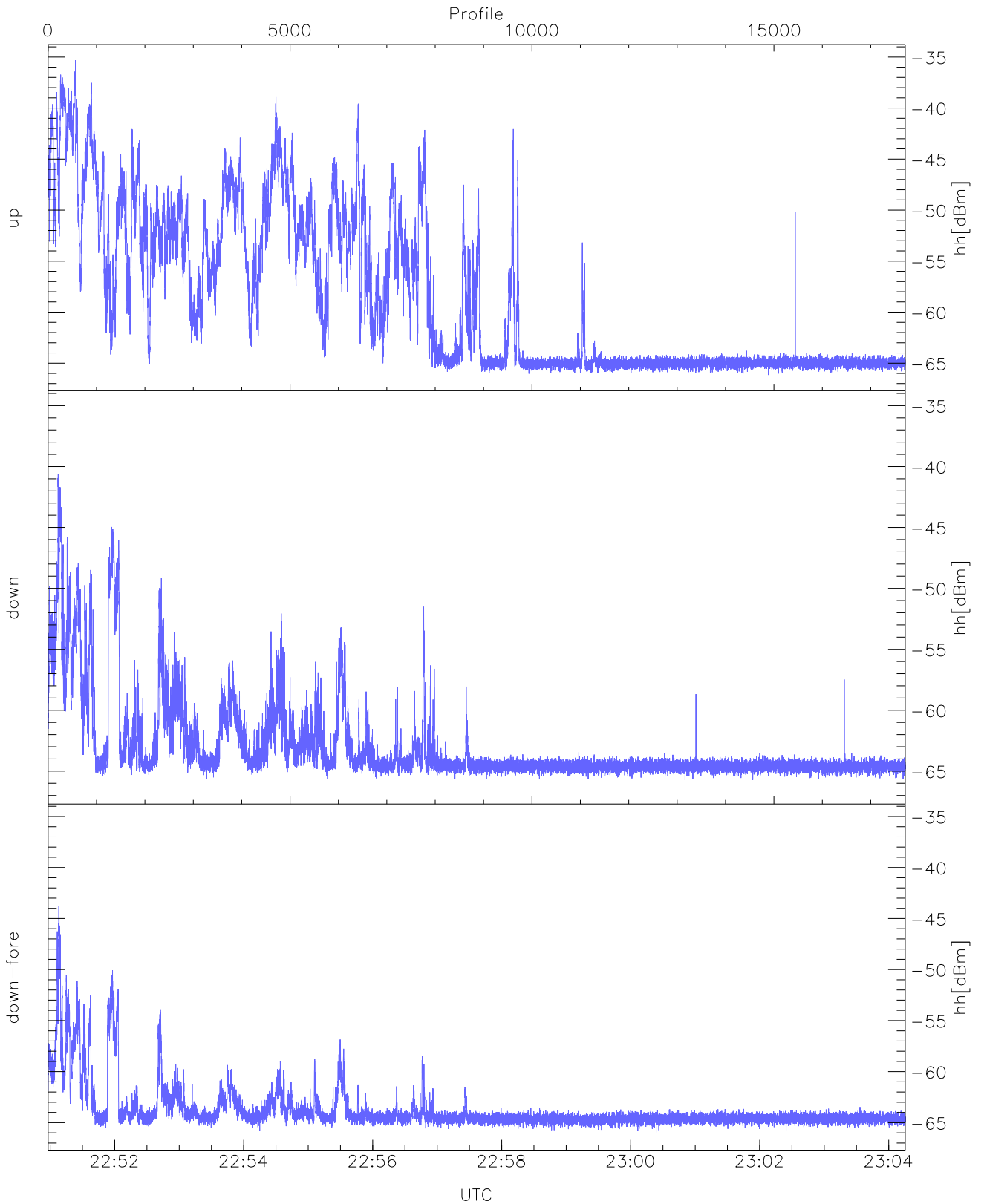
WCR3 CPP Averaged Received power for all recorded gates  
blue: 225058-225737, 8858 profiles averaged  
red: 225737-230415, 8858 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 225058-225737, 8858 profiles averaged  
red: 225737-230415, 8858 profiles averaged

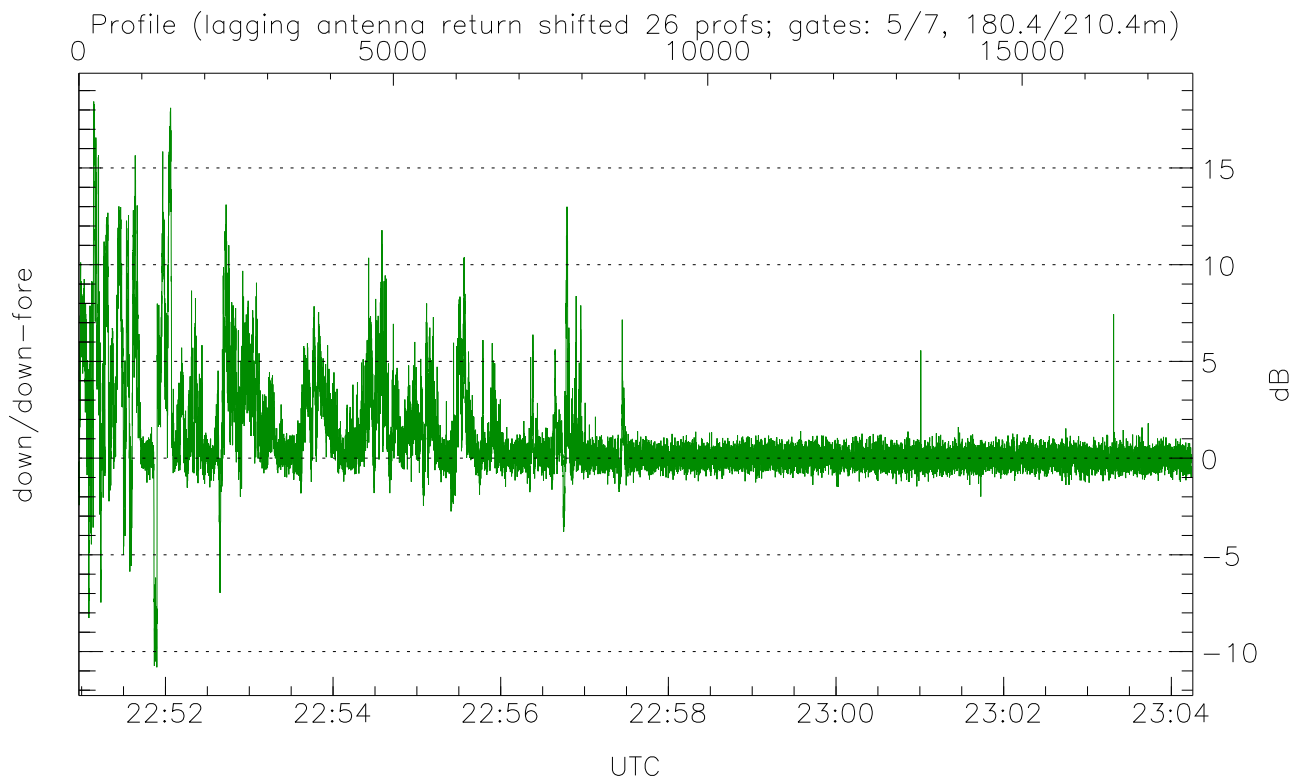
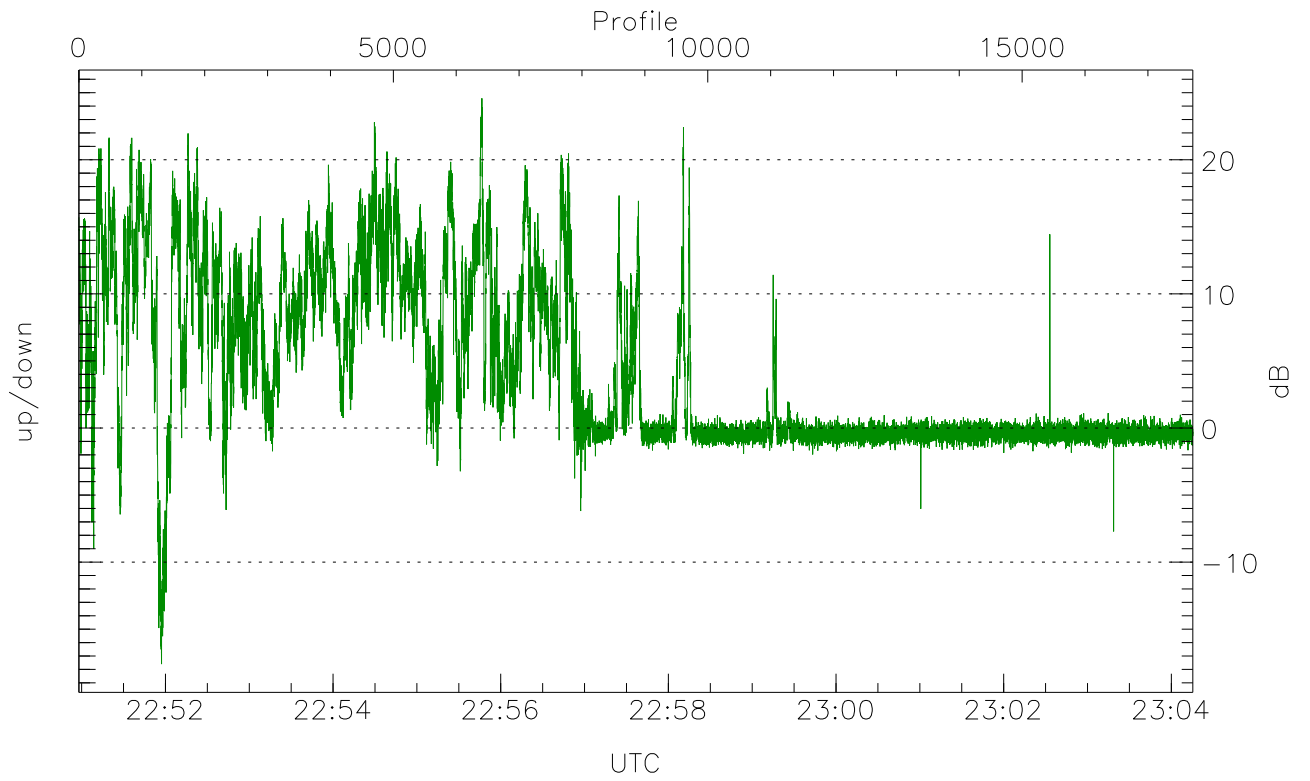


WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



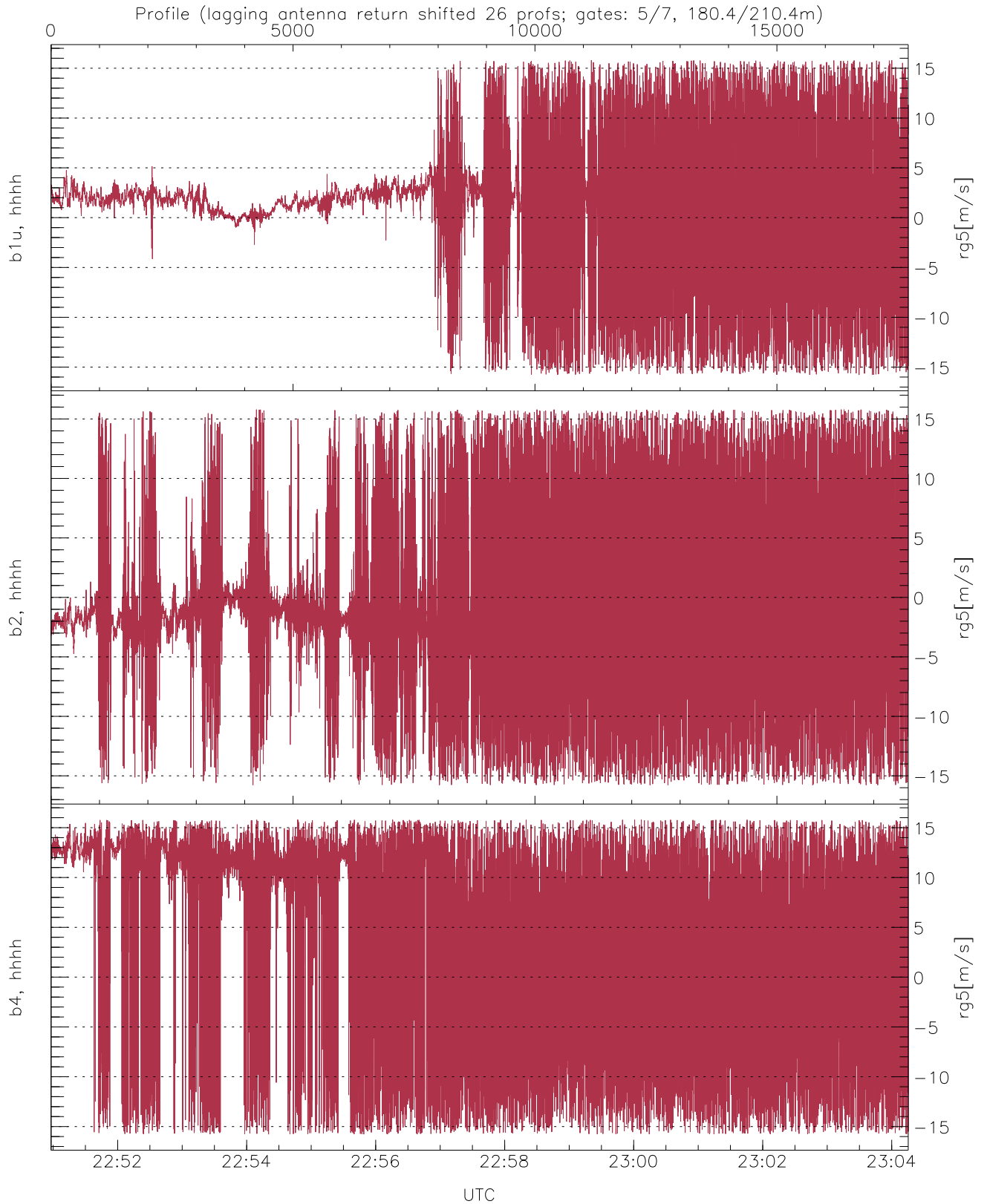
WCR3 CPP Received Power Products for Range gate 5 (180.4 m)

	Min	Max	Mean
up(hh[dBm])	-66.16	-35.32	-51.35
down(hh[dBm])	-65.74	-40.60	-59.98
down-fore(hh[dBm])	-65.96	-43.79	-62.44



WCR3 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up/down (dB)	-17.60	24.58	4.25
down/down-fore (dB)	-10.81	18.44	0.94



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	1.00	6.10
b2, hhhh(rg5[m/s])	-15.78	15.79	-0.50	7.36
b4, hhhh(rg5[m/s])	-15.78	15.79	3.23	9.47