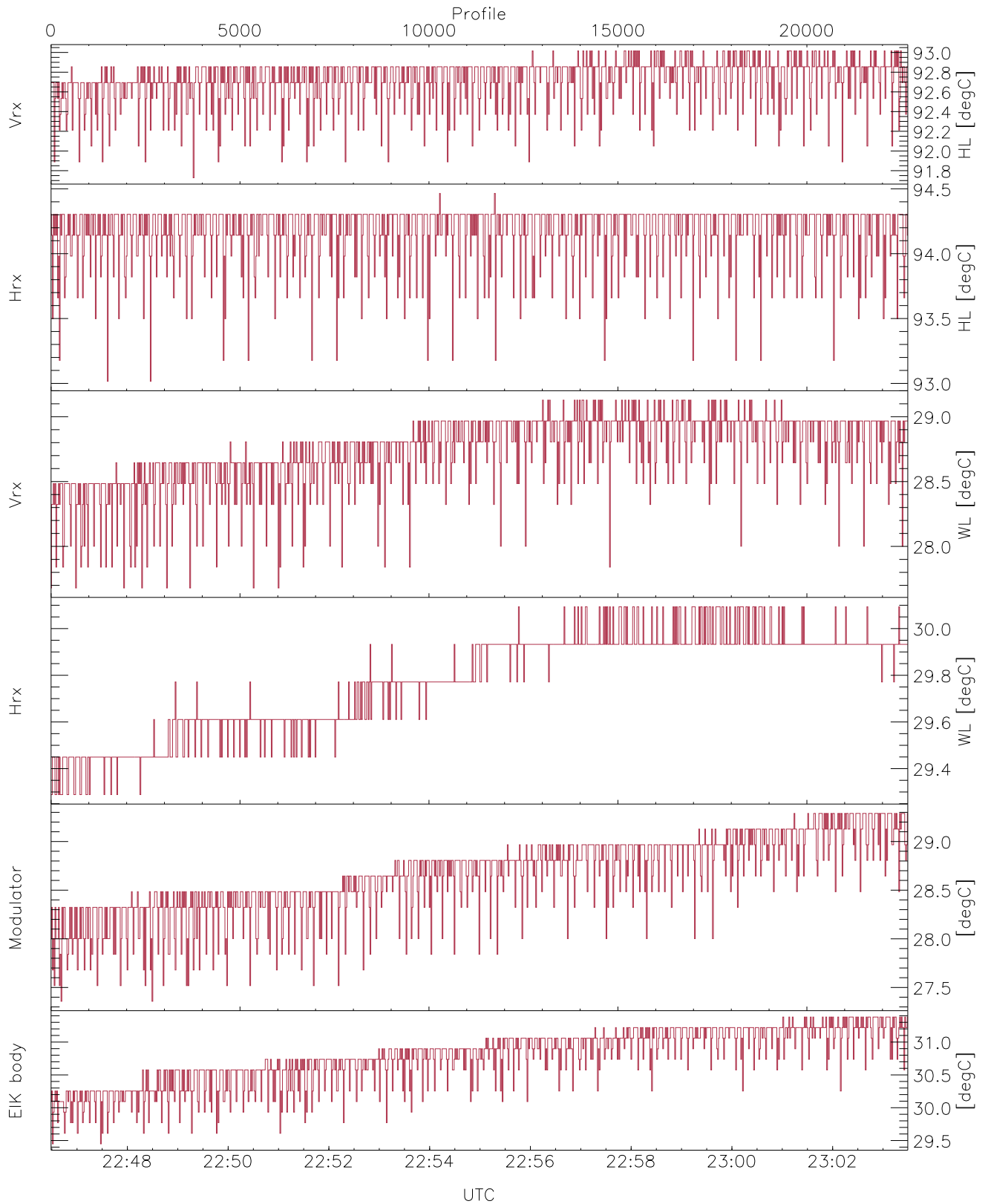


WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 22:46:29-23:03:30, TimeCor: 0.00s, Dur: 1020.45s  
 TimeFlg: 1, TFPstatus constant.  
 TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2  
 NumRec(r/t): 22672/22672, 0-22671/22:46:29-23:03:30  
 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 20.0 KHz, IGS: 50us  
 Range(min,max,rqs): 105, 6288, 15.0 m, Gates: 413, Aspect: 3.7  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



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

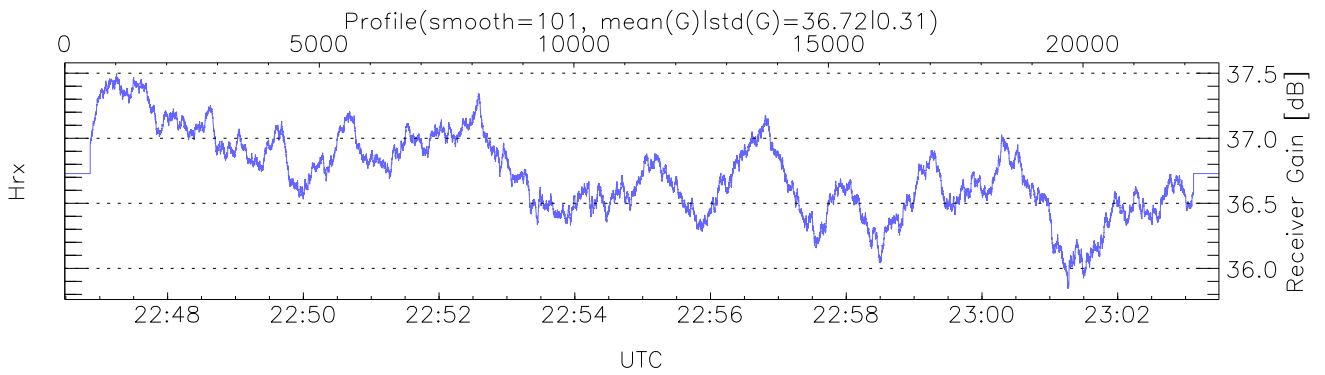
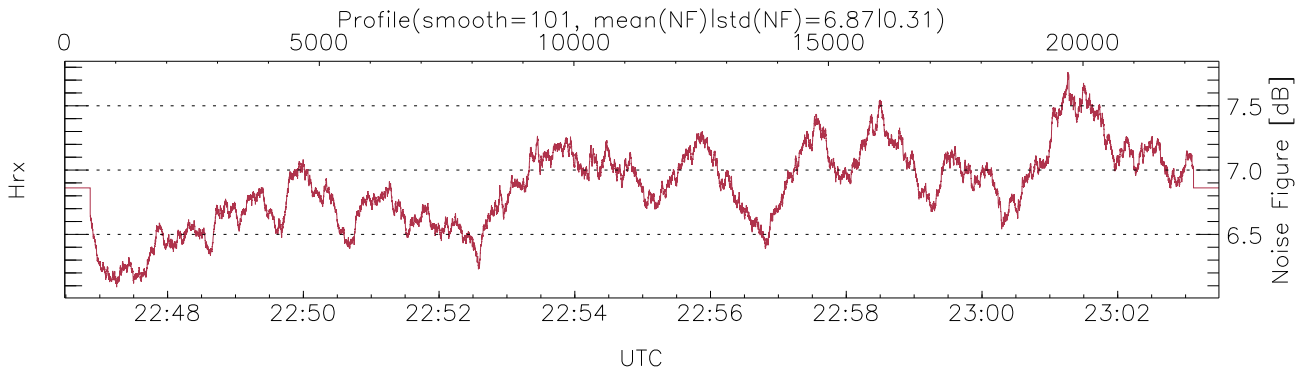
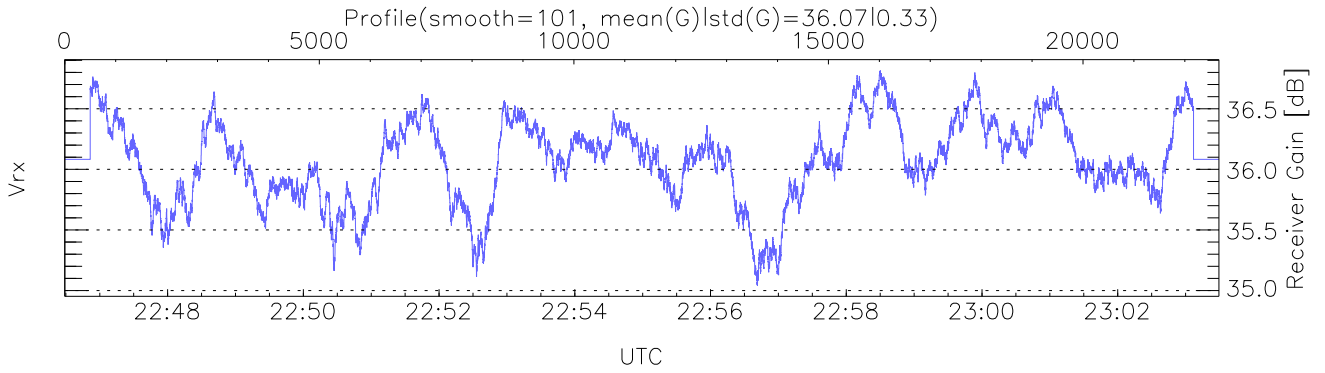
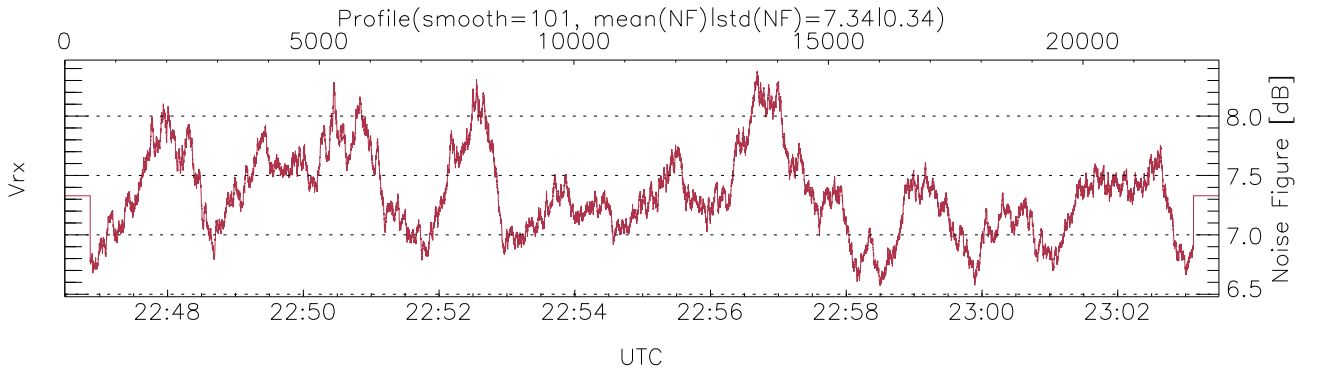
`mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,93,27,29,27,29`

`maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,94,29,30,29,31`

`LOalarm(20,240,2817,14861 MHz): None`

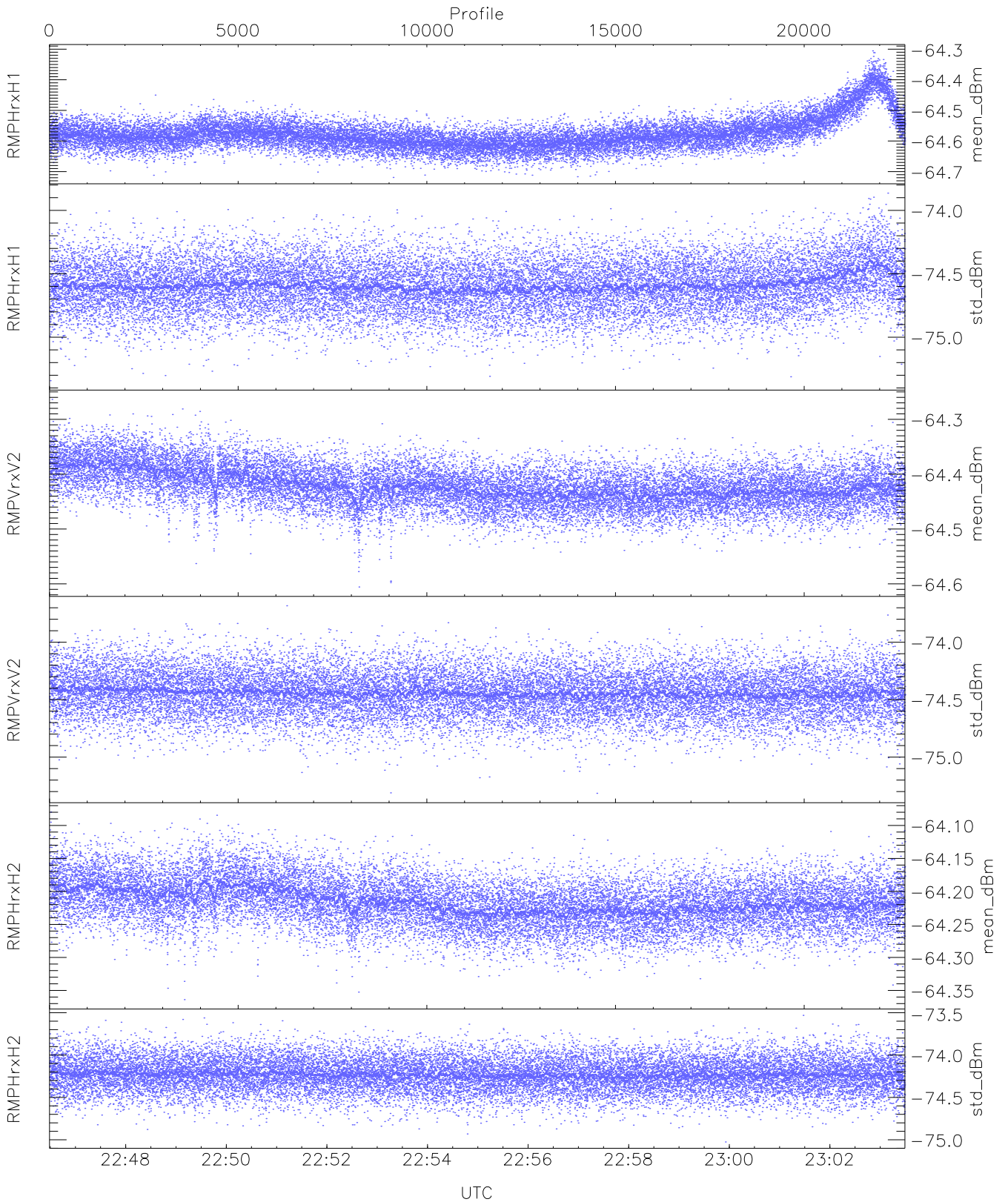
`EIK Faults(# prof affected):`

`DeckT,CollT,BodyCurr,Fault2,DeckF,OverDuty,HVPS,Fault1 (66,66,66,44,66,66,66,22)`



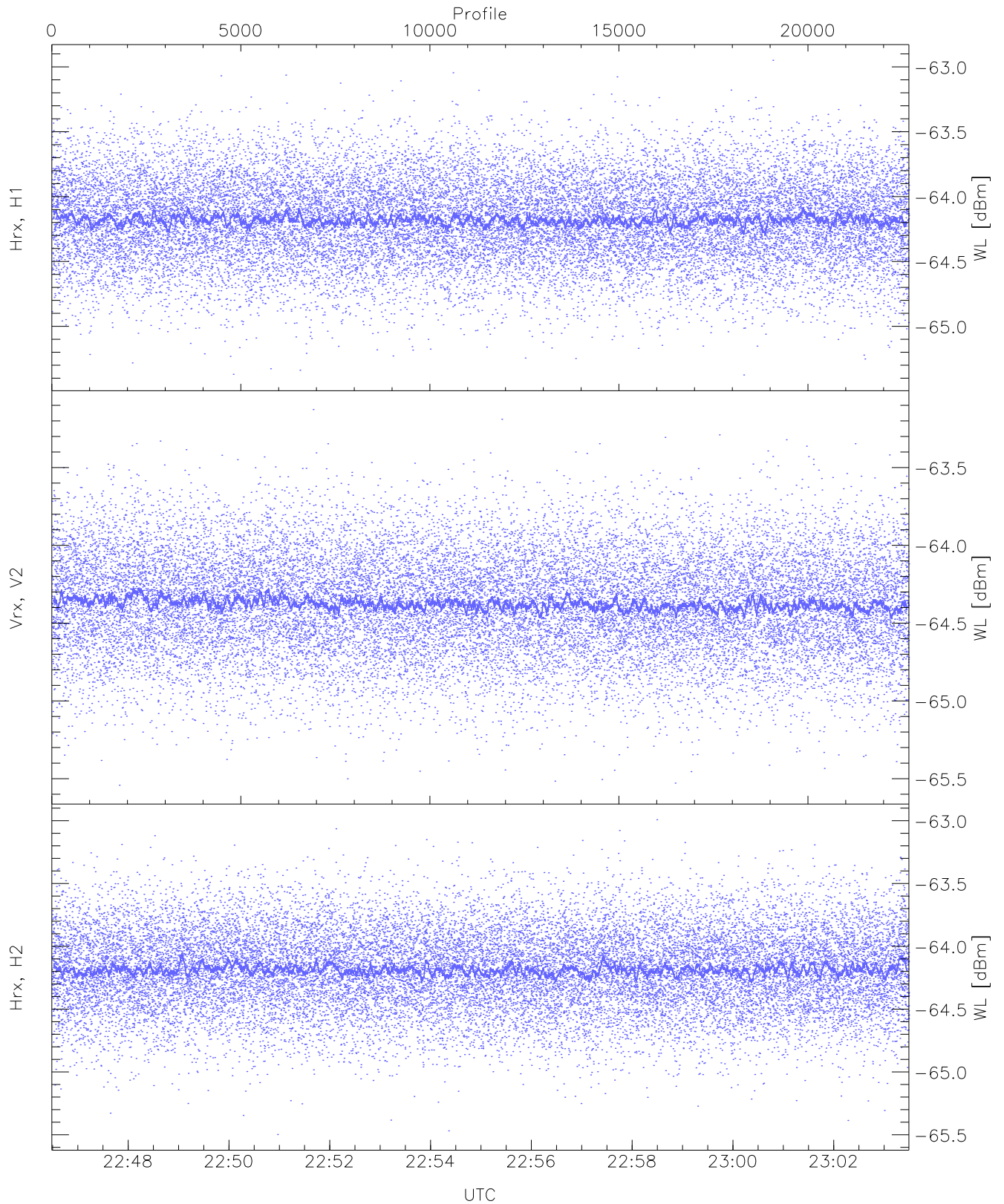
### WCR3 CPP Receivers Gain and Noise Figure

Rx Saturation: 3520 pixs, 44 gates, 2080 profs, 2 prod(s)



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

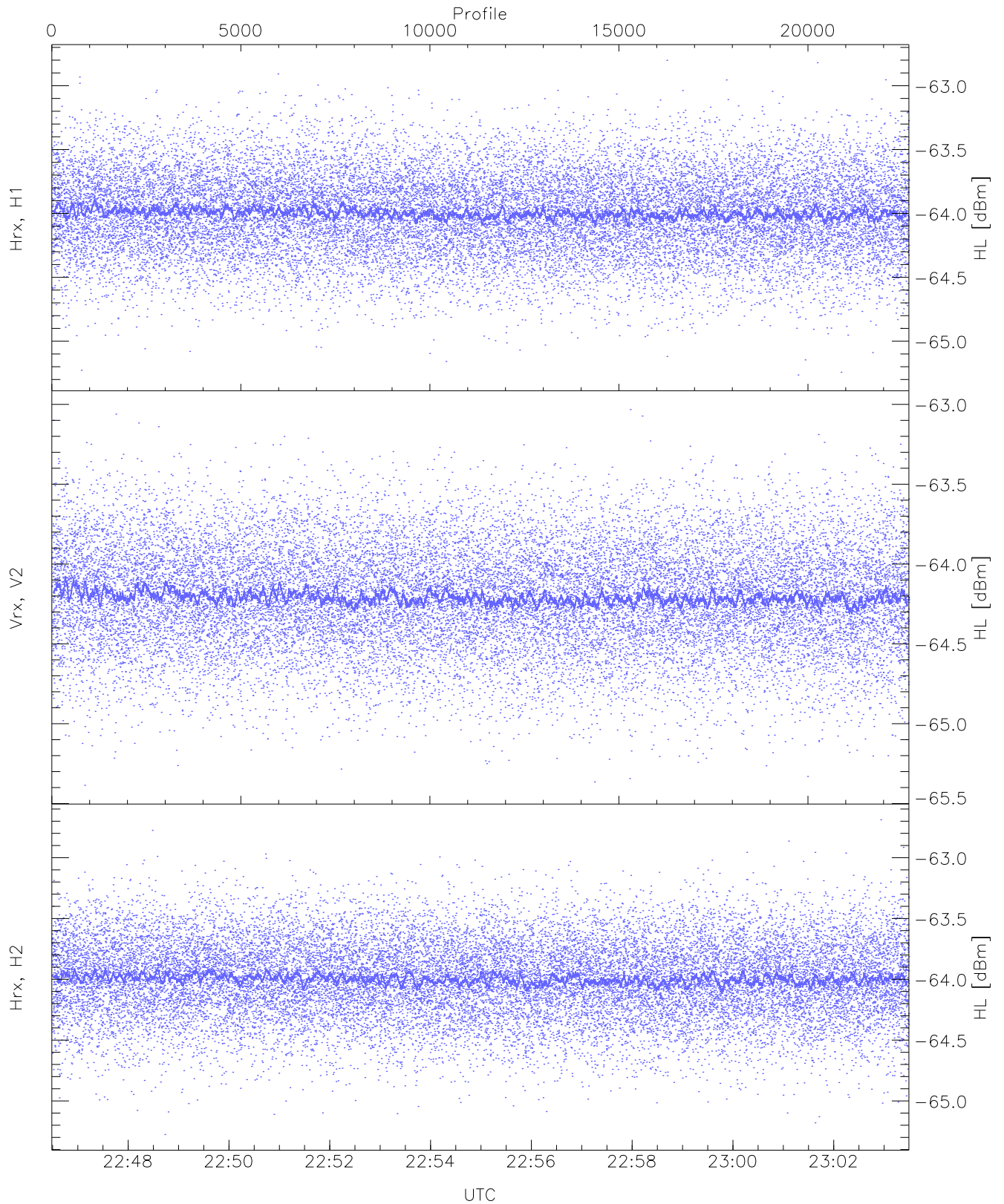
	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-64.72	-64.31	-64.58	-64.58	-83.83
RMPHrxH1(std_dBm)	-75.34	-73.86	-74.59	-74.59	-88.27
RMPVrxV2(mean_dBm)	-64.61	-64.26	-64.42	-64.42	-85.22
RMPVrxV2(std_dBm)	-75.32	-73.68	-74.44	-74.44	-88.21
RMPHrxH2(mean_dBm)	-64.36	-64.08	-64.22	-64.22	-85.31
RMPHrxH2(std_dBm)	-75.03	-73.53	-74.23	-74.23	-88.02



WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

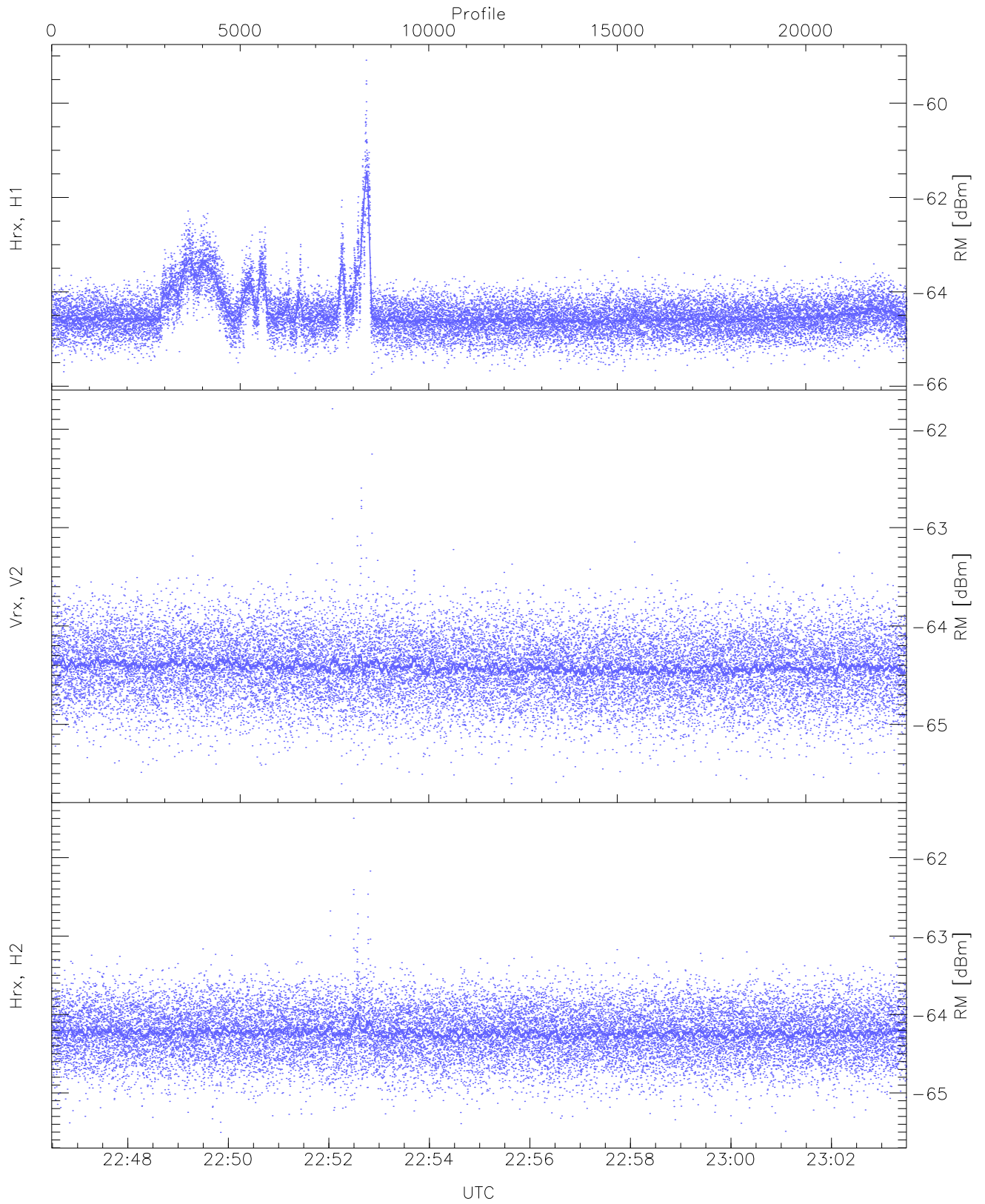
	Min	Max	Mean	Median	StDev
Hrx, H1 (WL [dBm])	-65.38	-62.95	-64.17	-64.18	-75.69
Vrx, V2 (WL [dBm])	-65.54	-63.13	-64.37	-64.38	-75.88
Hrx, H2 (WL [dBm])	-65.50	-62.99	-64.18	-64.19	-75.69





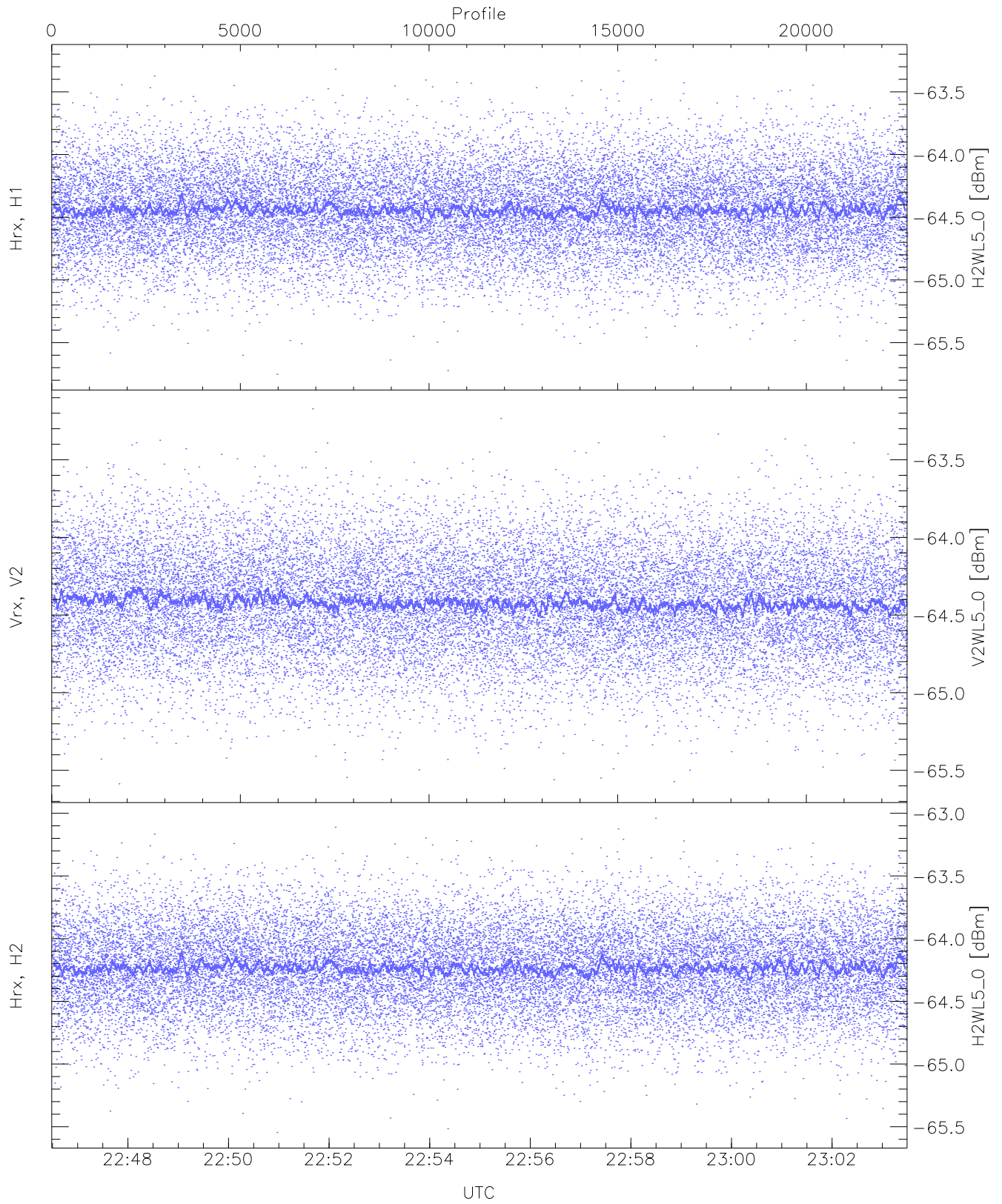
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (HL [dBm])	-65.26	-62.80	-63.99	-64.00	-75.49
Vrx, V2 (HL [dBm])	-65.39	-63.03	-64.20	-64.21	-75.67
Hrx, H2 (HL [dBm])	-65.28	-62.69	-63.99	-64.00	-75.49



WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

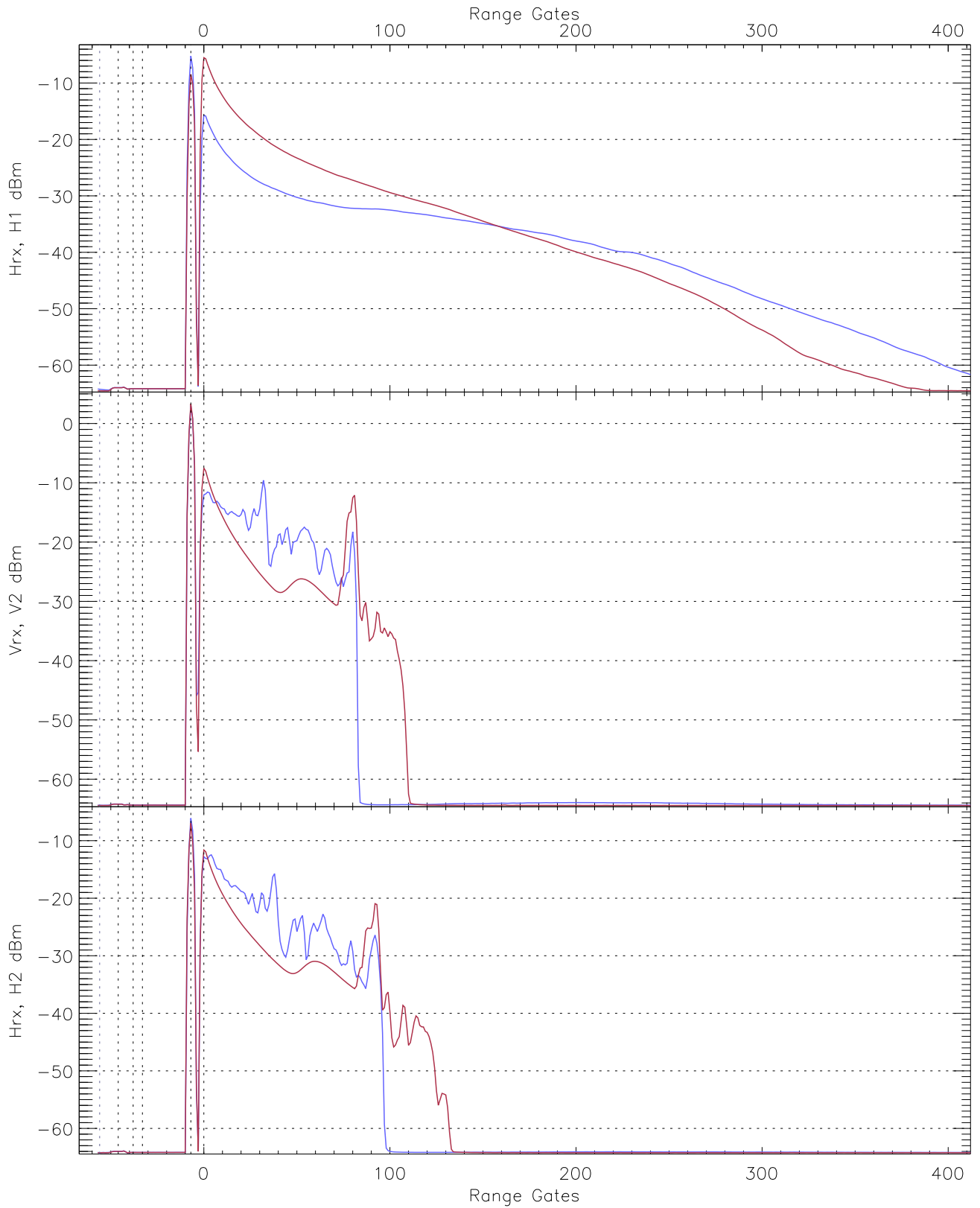
	Min	Max	Mean	Median	StDev
Hrx, H1 (RM [dBm])	-65.75	-59.09	-64.41	-64.51	-73.13
Vrx, V2 (RM [dBm])	-65.60	-61.79	-64.41	-64.42	-75.88
Hrx, H2 (RM [dBm])	-65.50	-61.50	-64.23	-64.23	-75.66



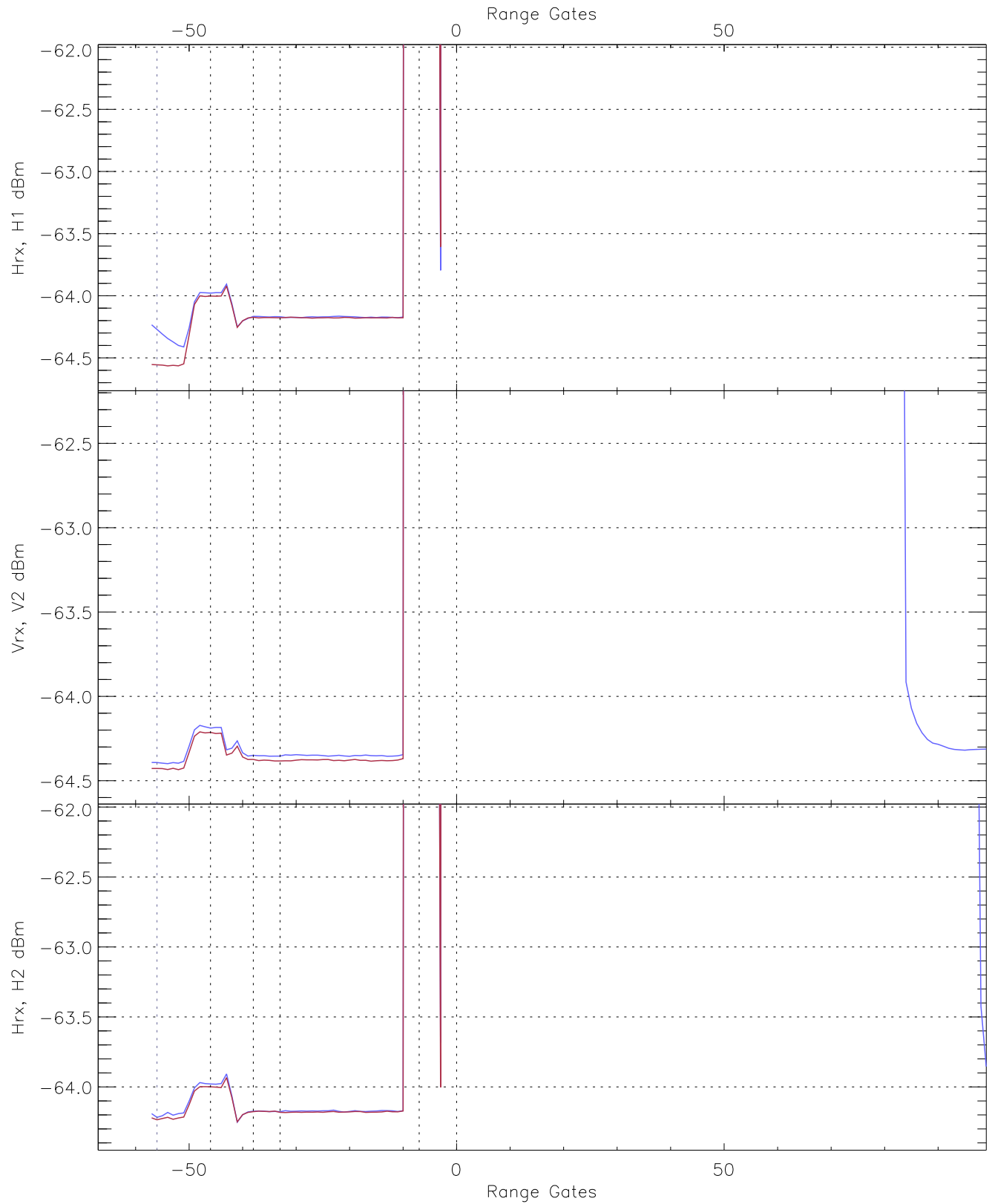
WCR3 CPP "Best" estimate Receivers Noise Power

	Min	Max	Mean	Median	StDev
H2WL5_0 [dBm]	-65.75	-63.25	-64.43	-64.44	-75.94
V2WL5_0 [dBm]	-65.59	-63.17	-64.41	-64.42	-75.92
H2WL5_0 [dBm]	-65.55	-63.04	-64.23	-64.24	-75.73

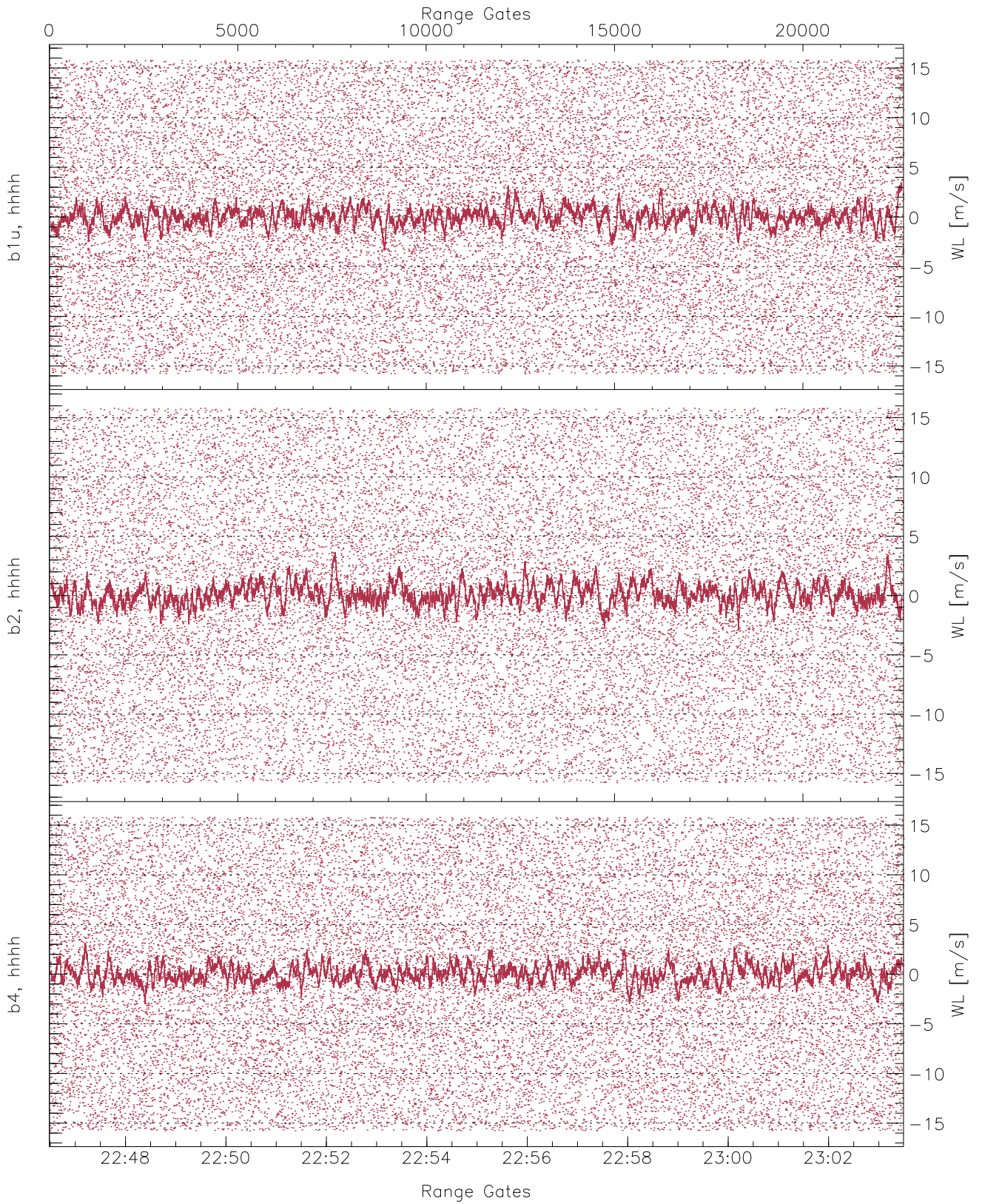




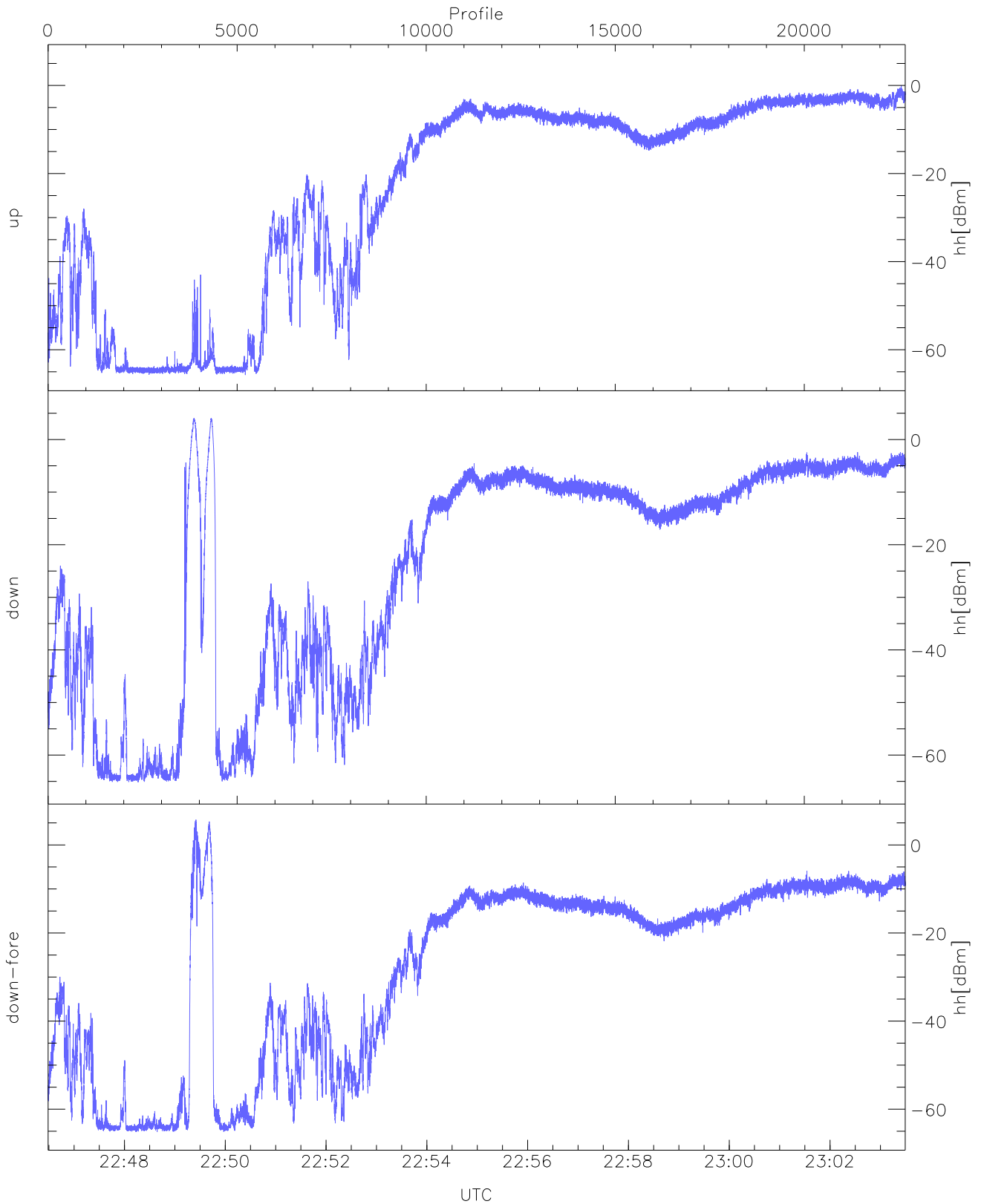
WCR3 CPP Averaged Received power for all recorded gates  
blue: 224629-225459, 11337 profiles averaged  
red: 225459-230330, 11336 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 224629-225459, 11337 profiles averaged  
red: 225459-230330, 11336 profiles averaged



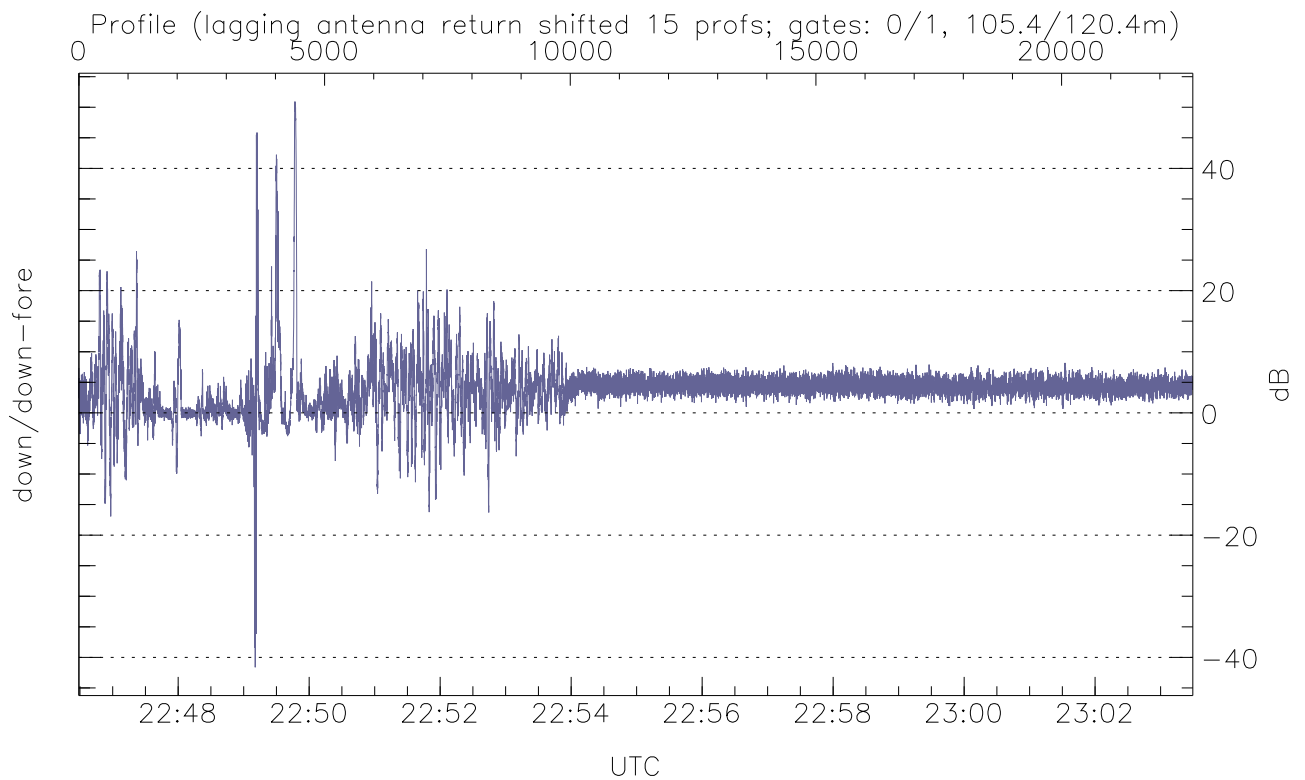
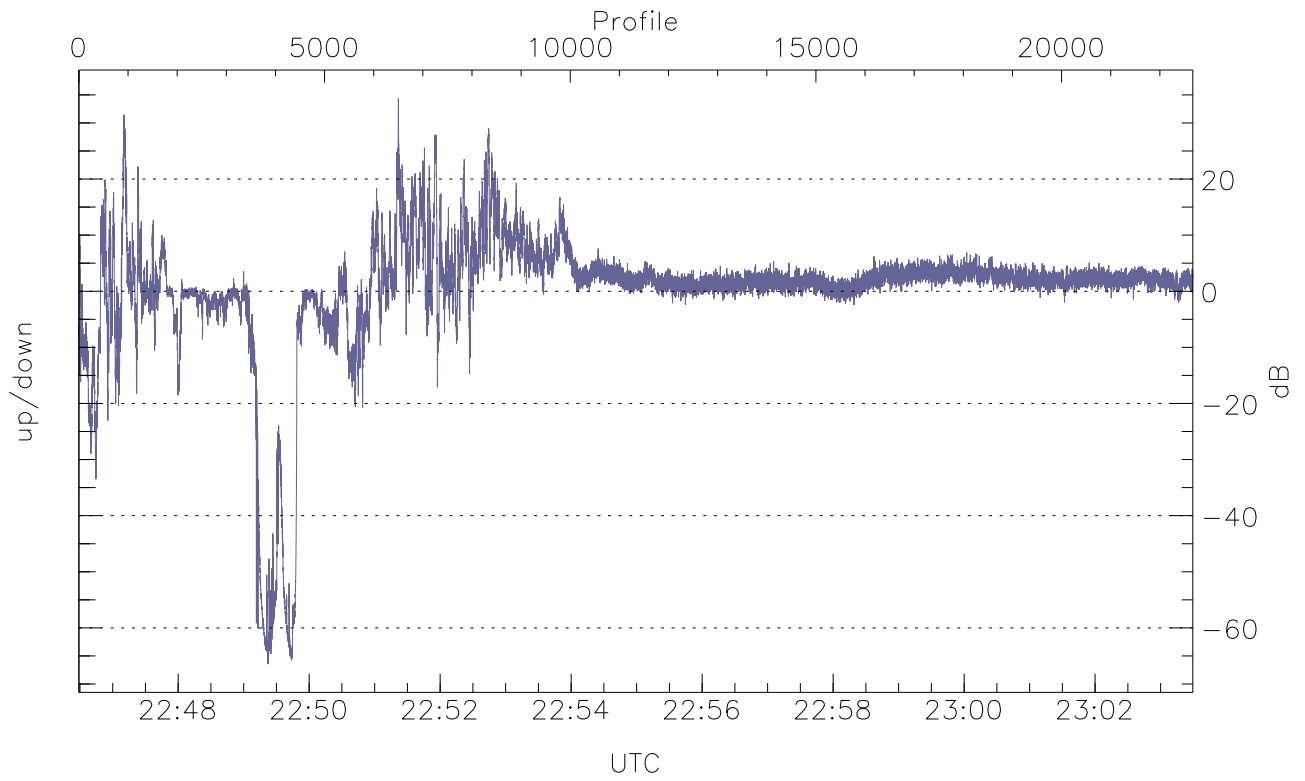
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

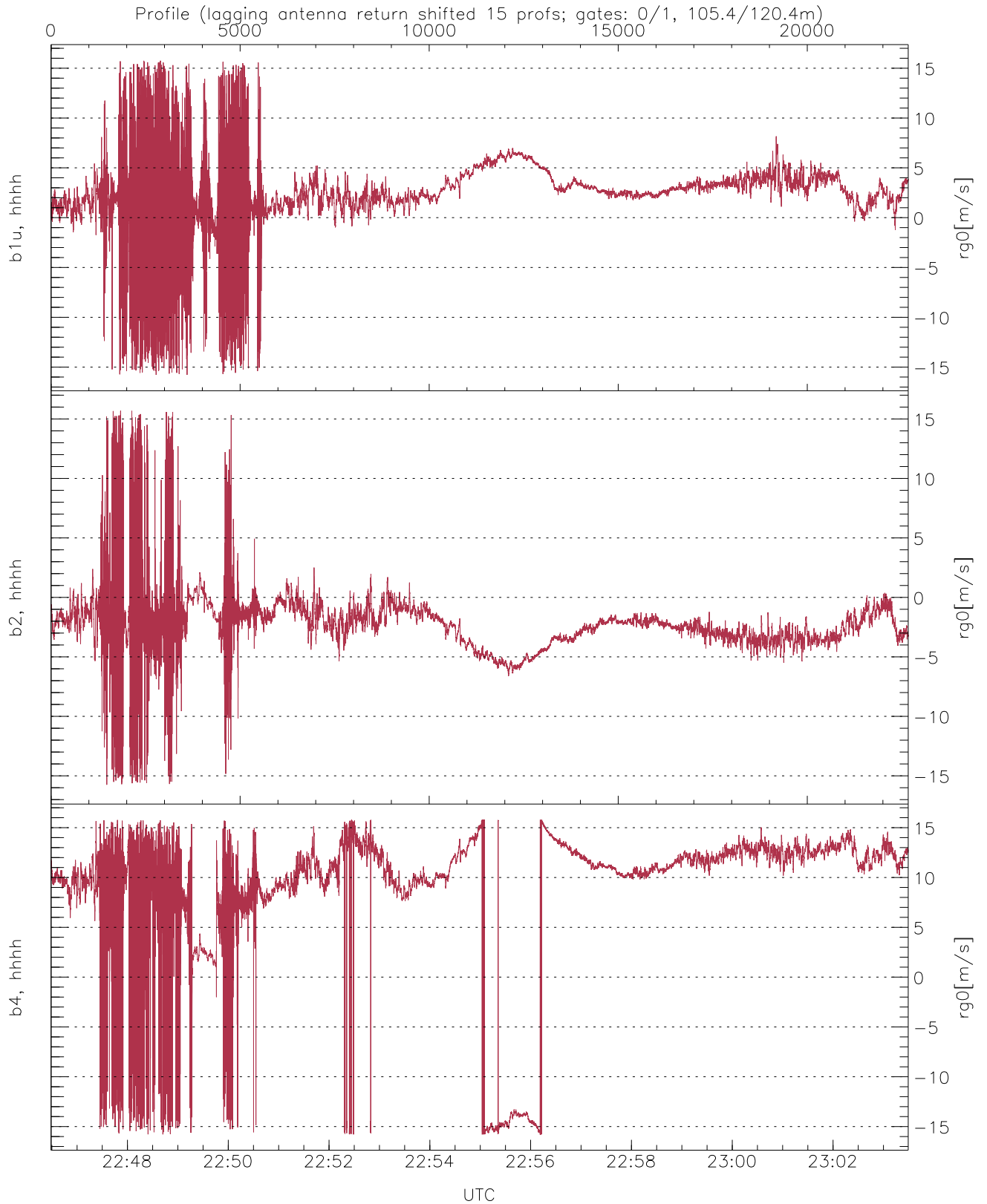
	Min	Max	Mean
up(hh[dBm])	-65.74	-0.05	-8.13
down(hh[dBm])	-65.16	4.11	-9.21
down-fore(hh[dBm])	-65.18	5.71	-12.17





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

	Min	Max	Mean
up/down (dB)	-66.45	34.39	0.12
down/down-fore (dB)	-41.62	50.94	3.90



WCR3 CPP Doppler Velocity Products at 105.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg0[m/s])	-15.78	15.75	2.42	3.17
b2, hhhh(rg0[m/s])	-15.75	15.68	-2.29	2.35
b4, hhhh(rg0[m/s])	-15.79	15.79	8.49	7.56