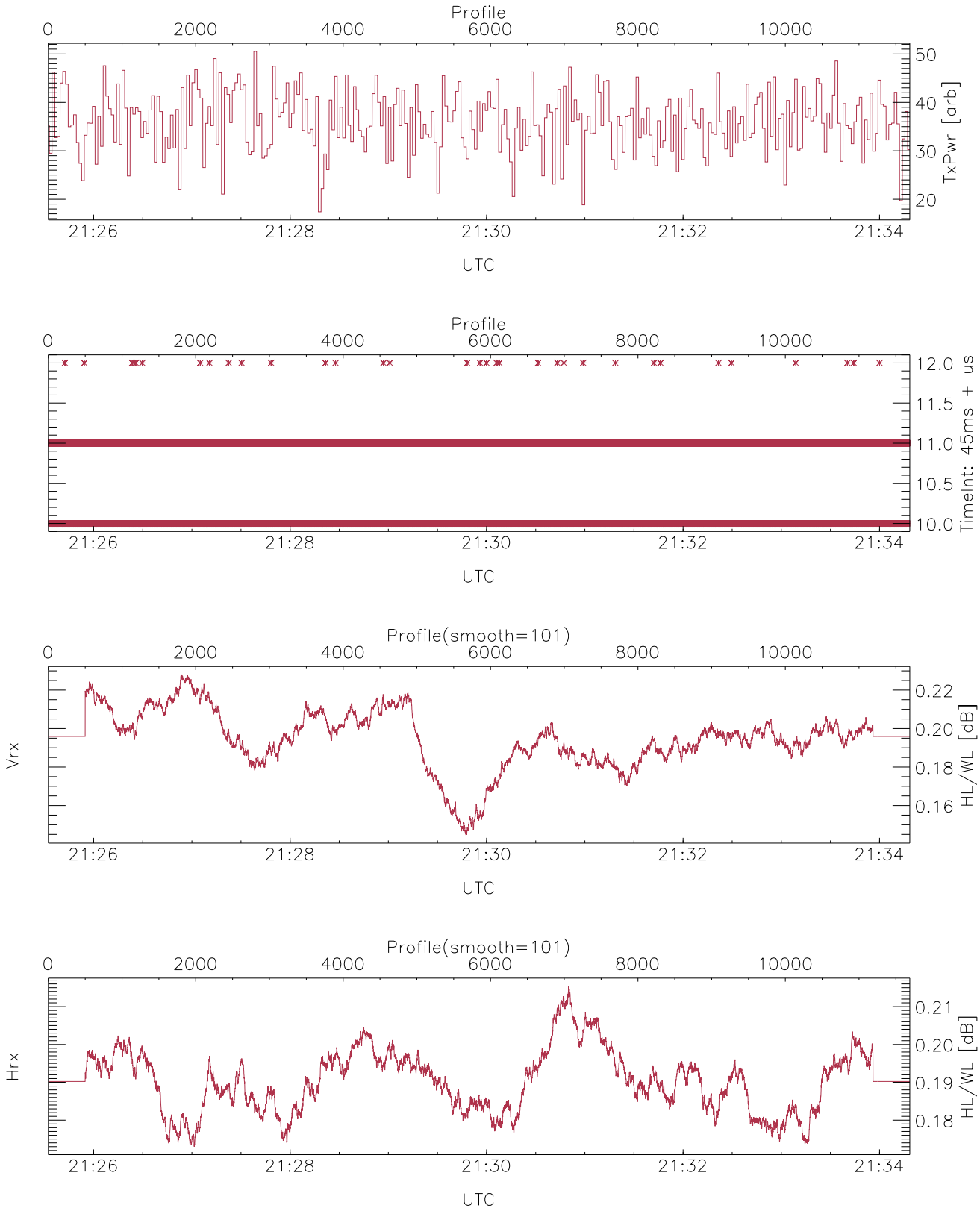
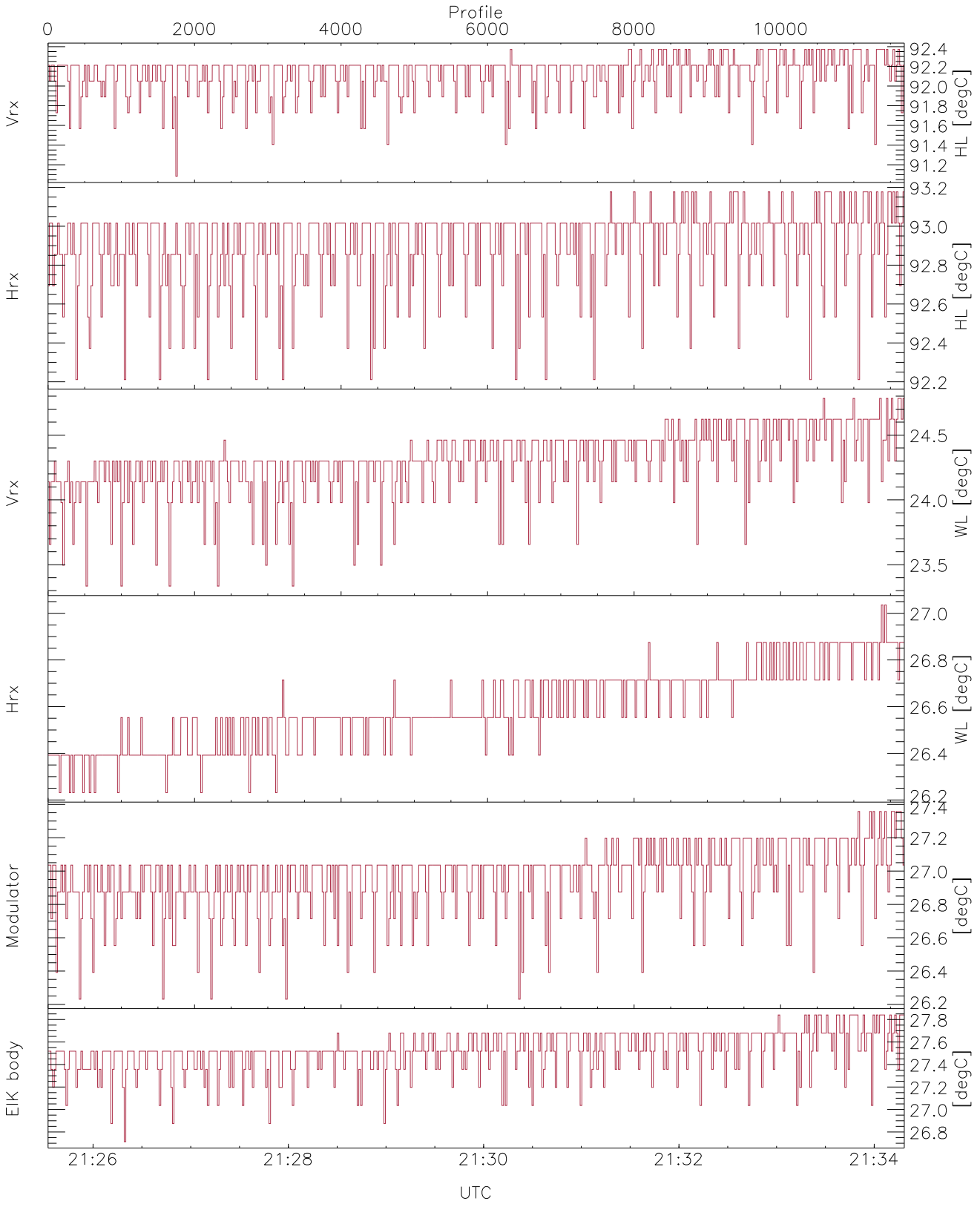


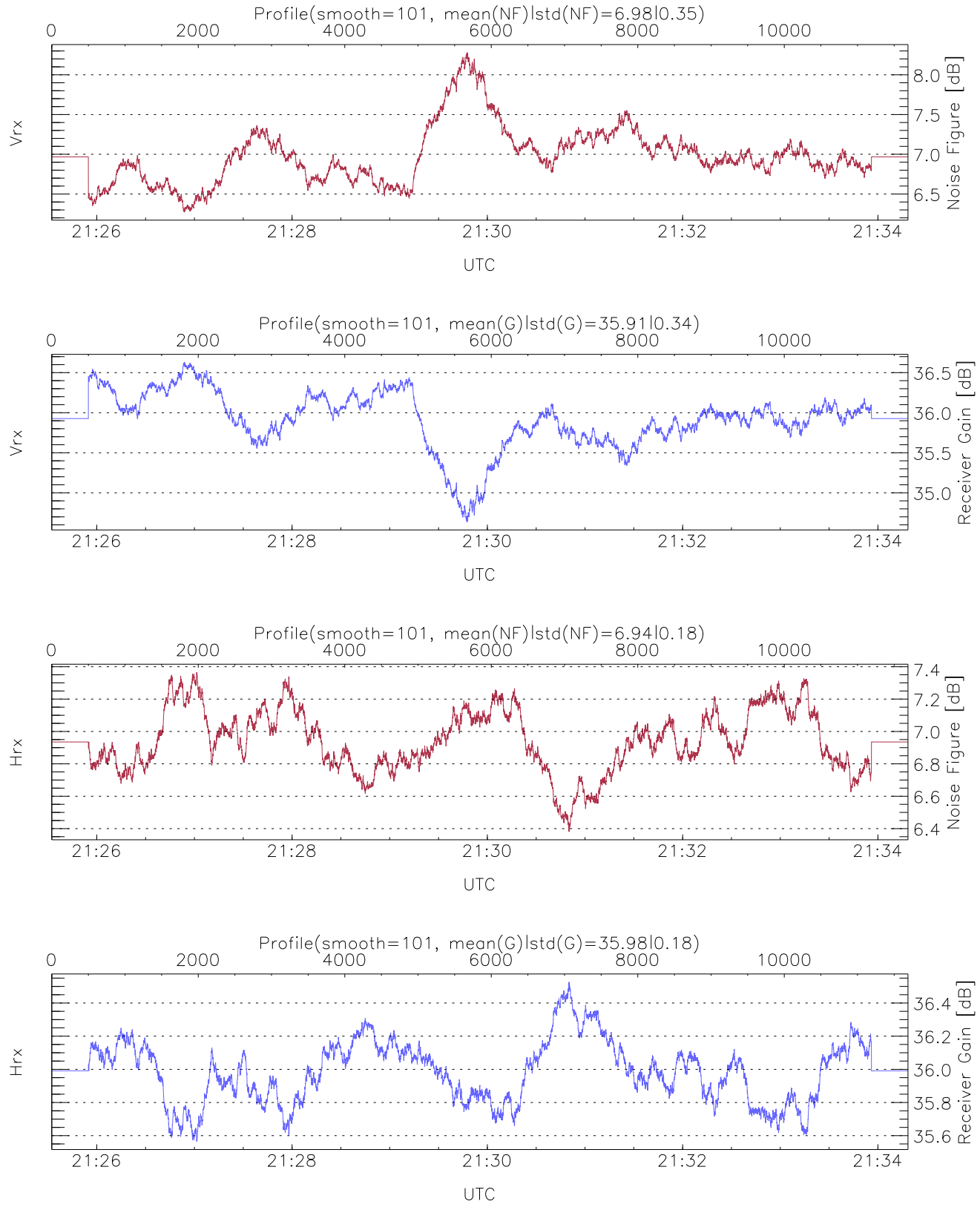
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 21:25:32-21:34:18, TimeCor: 0.00s, Dur: 526.14s
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): 11690/11690, 0-11689/21:25:32-21:34:18
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(-9|0|1|2,3,9x = no mirror|sideluplerror): 1



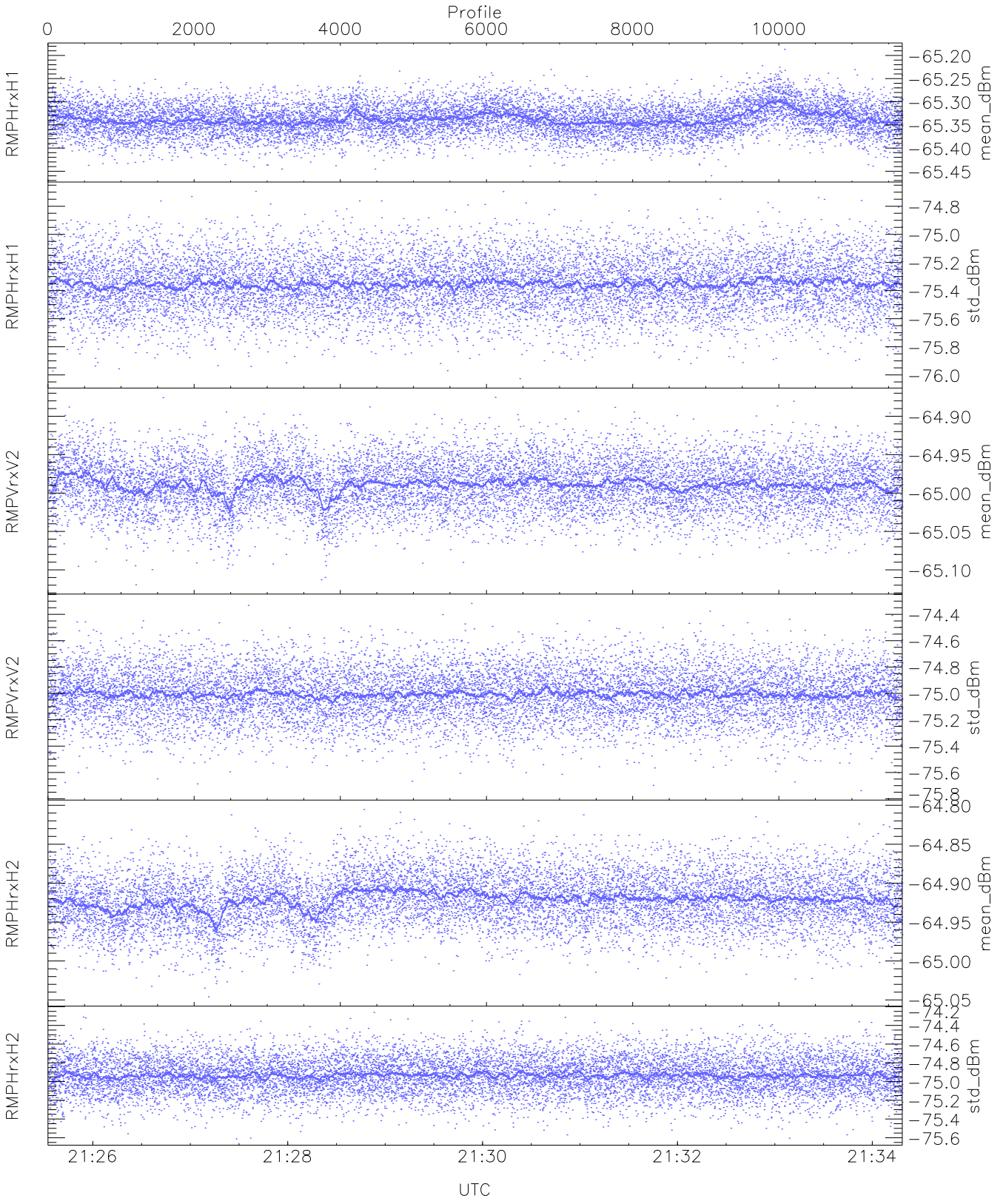
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,23,26,26,26
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,24,27,27,27
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



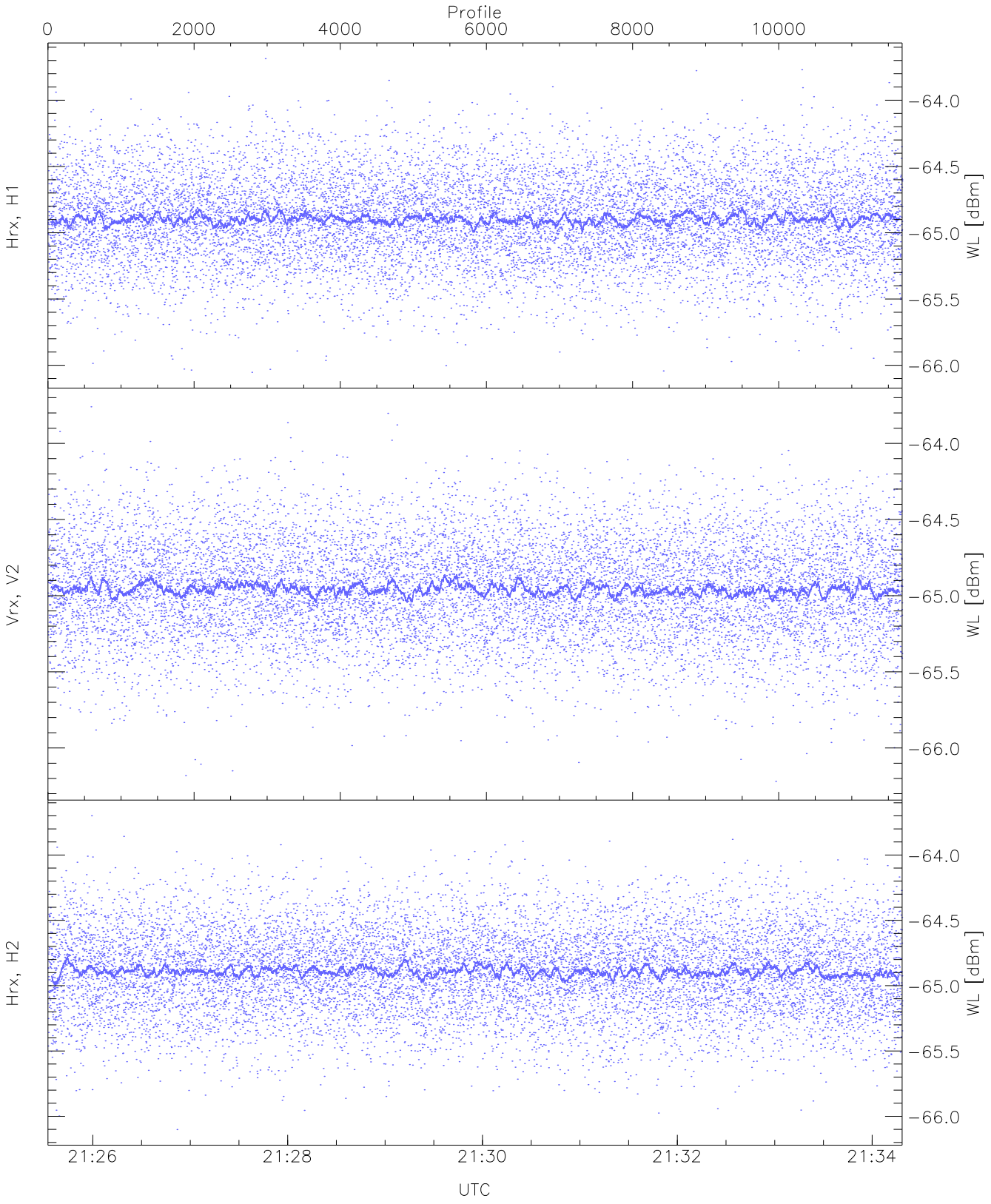
WCR3 CPP Receivers Gain and Noise Figure

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



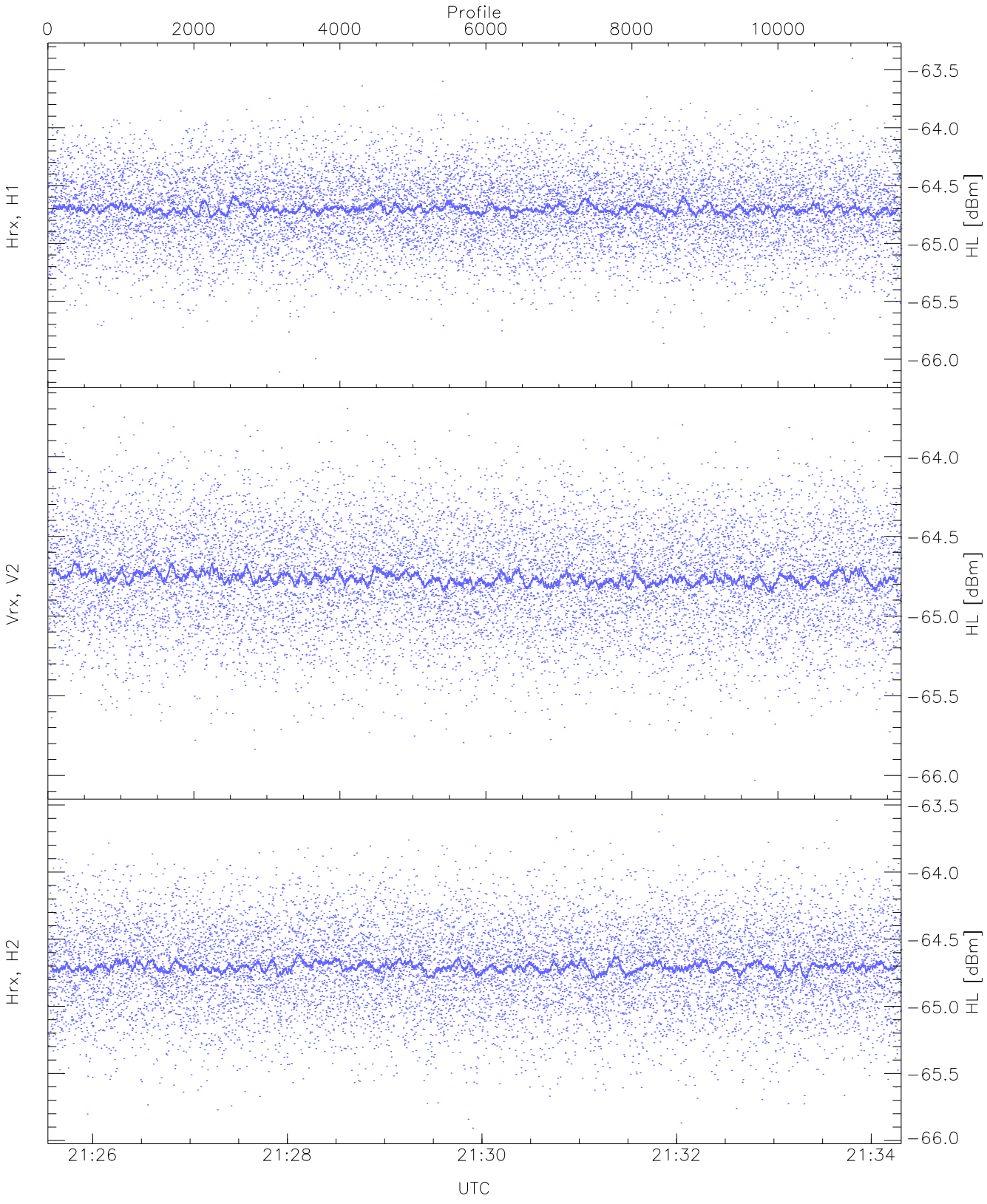
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.46	-65.19	-65.34	-65.34	-86.71
RMPHrxH1(std_dBm)	-76.03	-74.69	-75.35	-75.35	-89.16
RMPVrxV2(mean_dBm)	-65.12	-64.88	-64.99	-64.99	-86.44
RMPVrxV2(std_dBm)	-75.74	-74.32	-75.00	-75.01	-88.82
RMPHrxH2(mean_dBm)	-65.05	-64.81	-64.92	-64.92	-86.35
RMPHrxH2(std_dBm)	-75.61	-74.26	-74.93	-74.94	-88.69



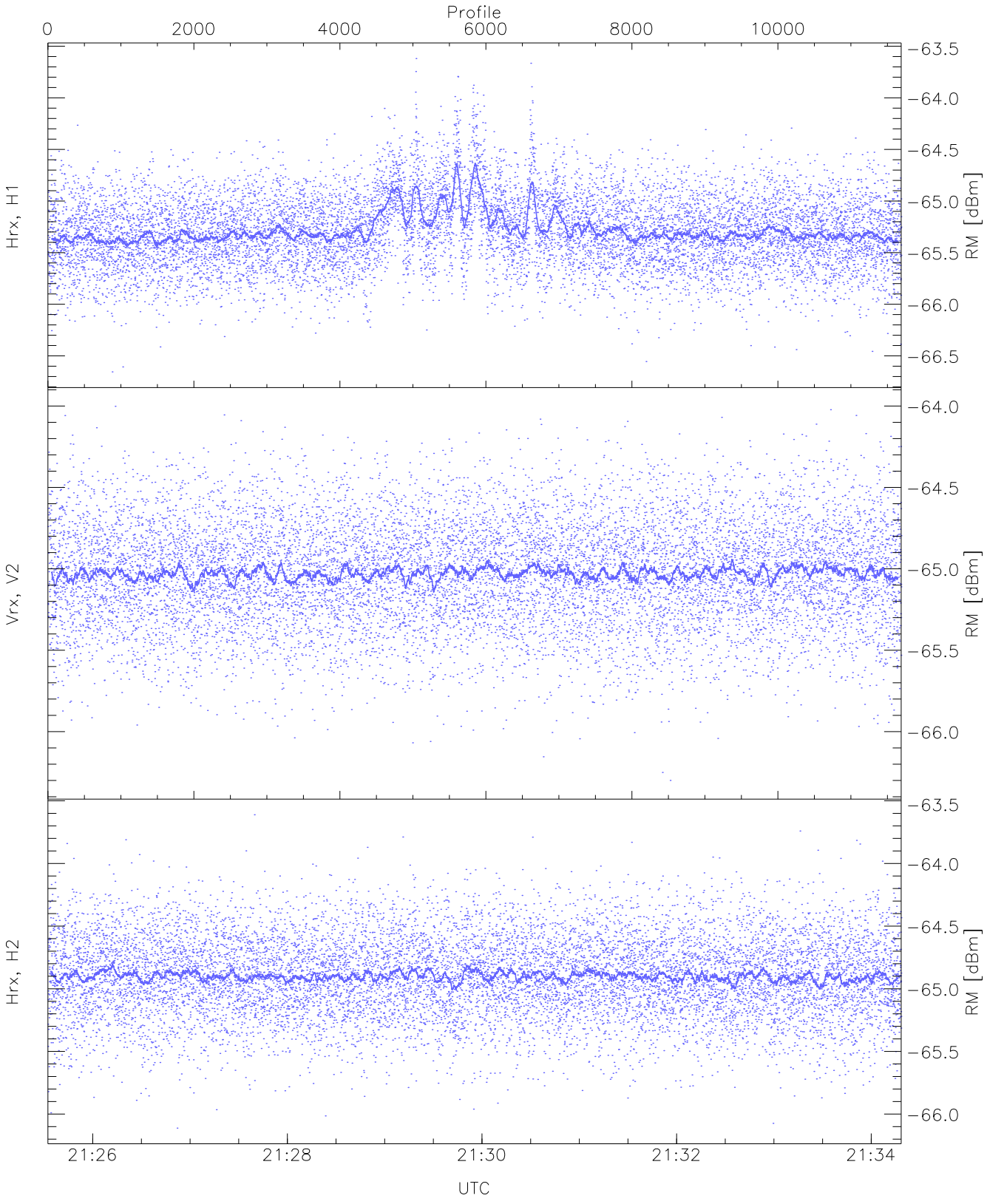
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.05	-63.69	-64.89	-64.90	-76.39
Vrx, V2(WL [dBm])	-66.22	-63.76	-64.95	-64.96	-76.48
Hrx, H2(WL [dBm])	-66.10	-63.70	-64.88	-64.89	-76.39



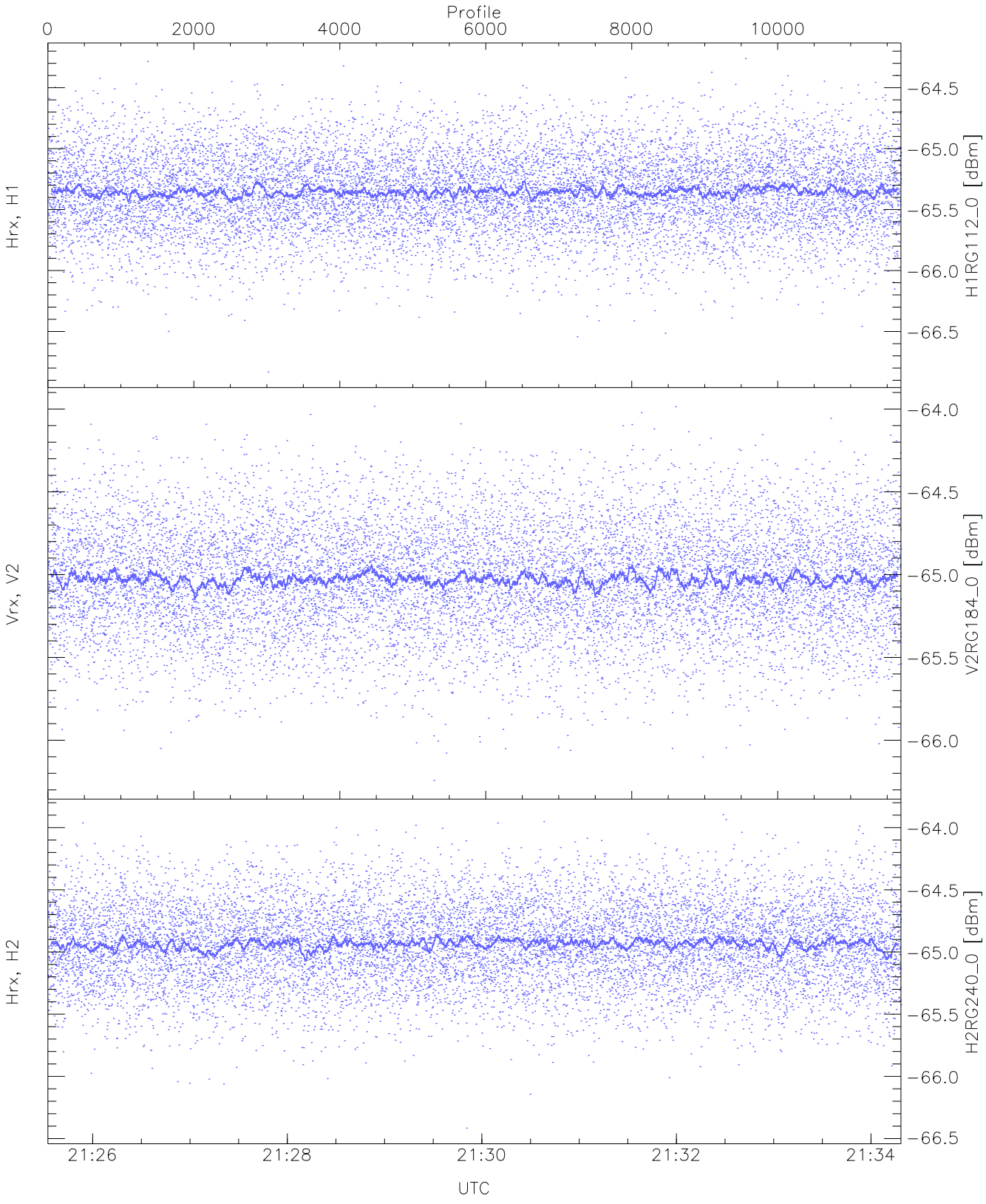
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-66.11	-63.40	-64.69	-64.70	-76.20
Vrx, V2(HL [dBm])	-66.03	-63.68	-64.75	-64.76	-76.29
Hrx, H2(HL [dBm])	-65.91	-63.57	-64.70	-64.70	-76.17



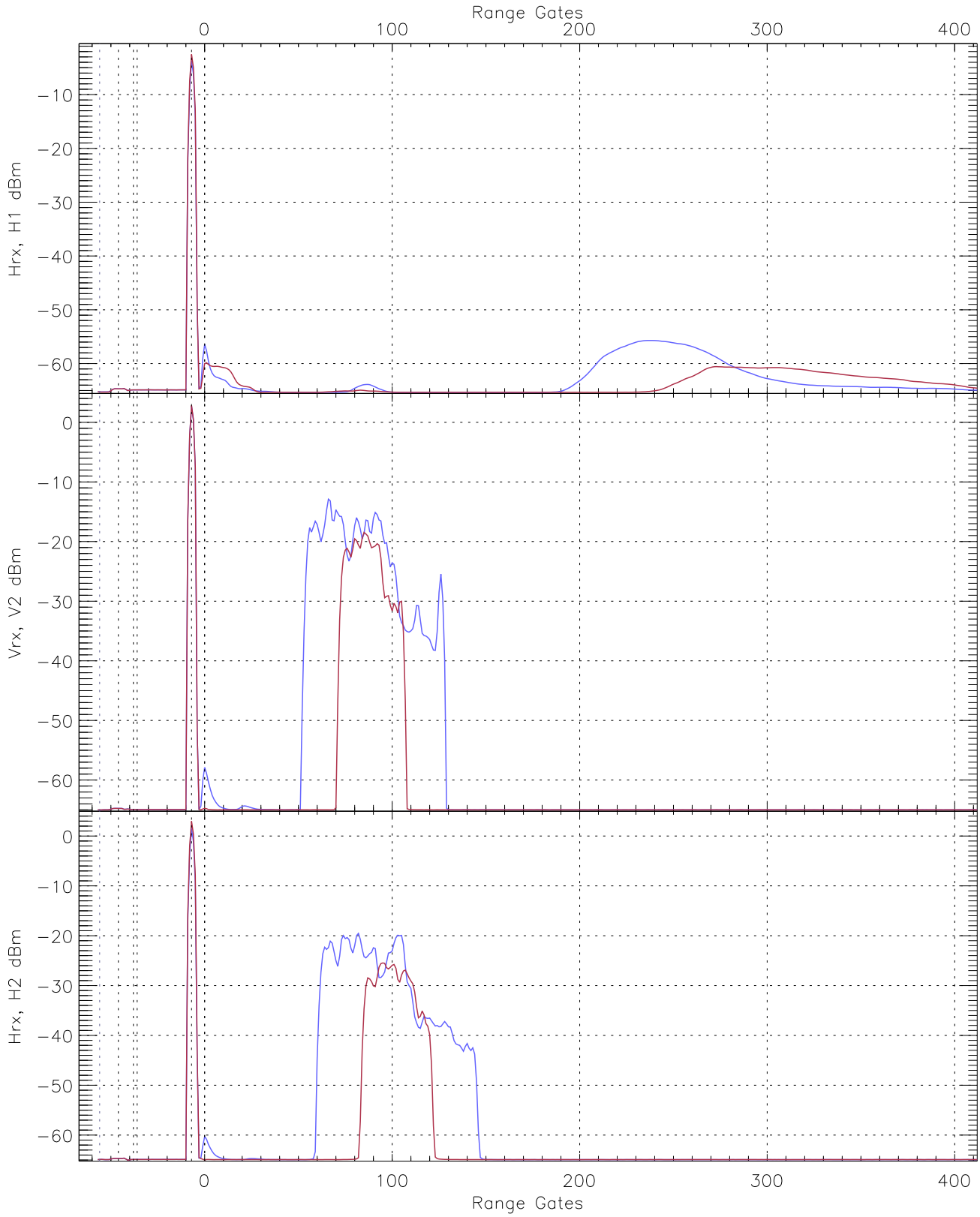
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.66	-63.62	-65.27	-65.29	-76.27
Vrx, V2(RM [dBm])	-66.30	-64.00	-65.02	-65.02	-76.56
Hrx, H2(RM [dBm])	-66.11	-63.61	-64.89	-64.90	-76.39

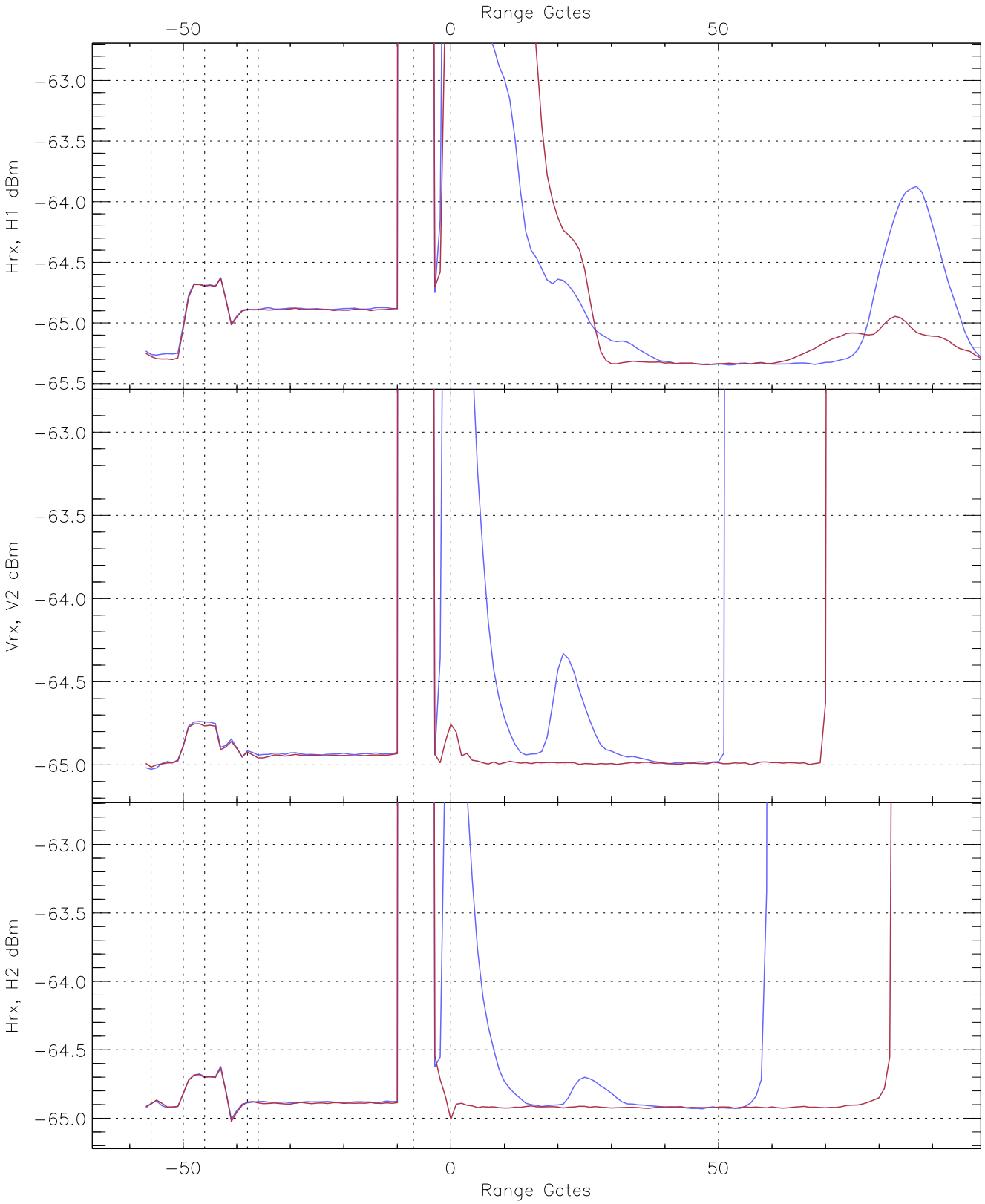


WCR3 CPP "Best" estimate Receivers Noise Power

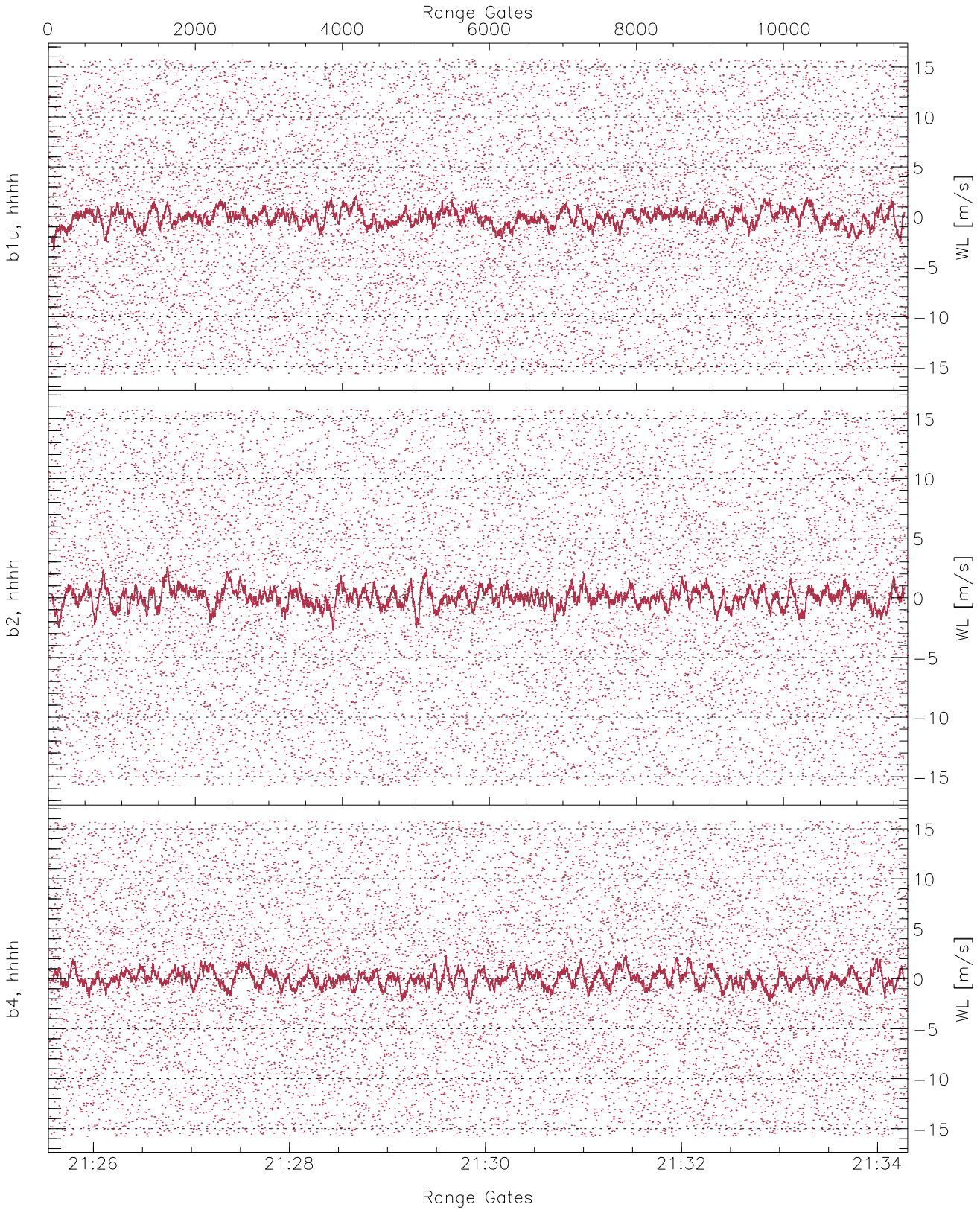
	Min	Max	Mean	Median	StDev
H1RG112_0 [dBm]	-66.83	-64.26	-65.34	-65.35	-76.83
V2RG184_0 [dBm]	-66.24	-63.98	-65.02	-65.03	-76.57
H2RG240_0 [dBm]	-66.42	-63.90	-64.93	-64.94	-76.43



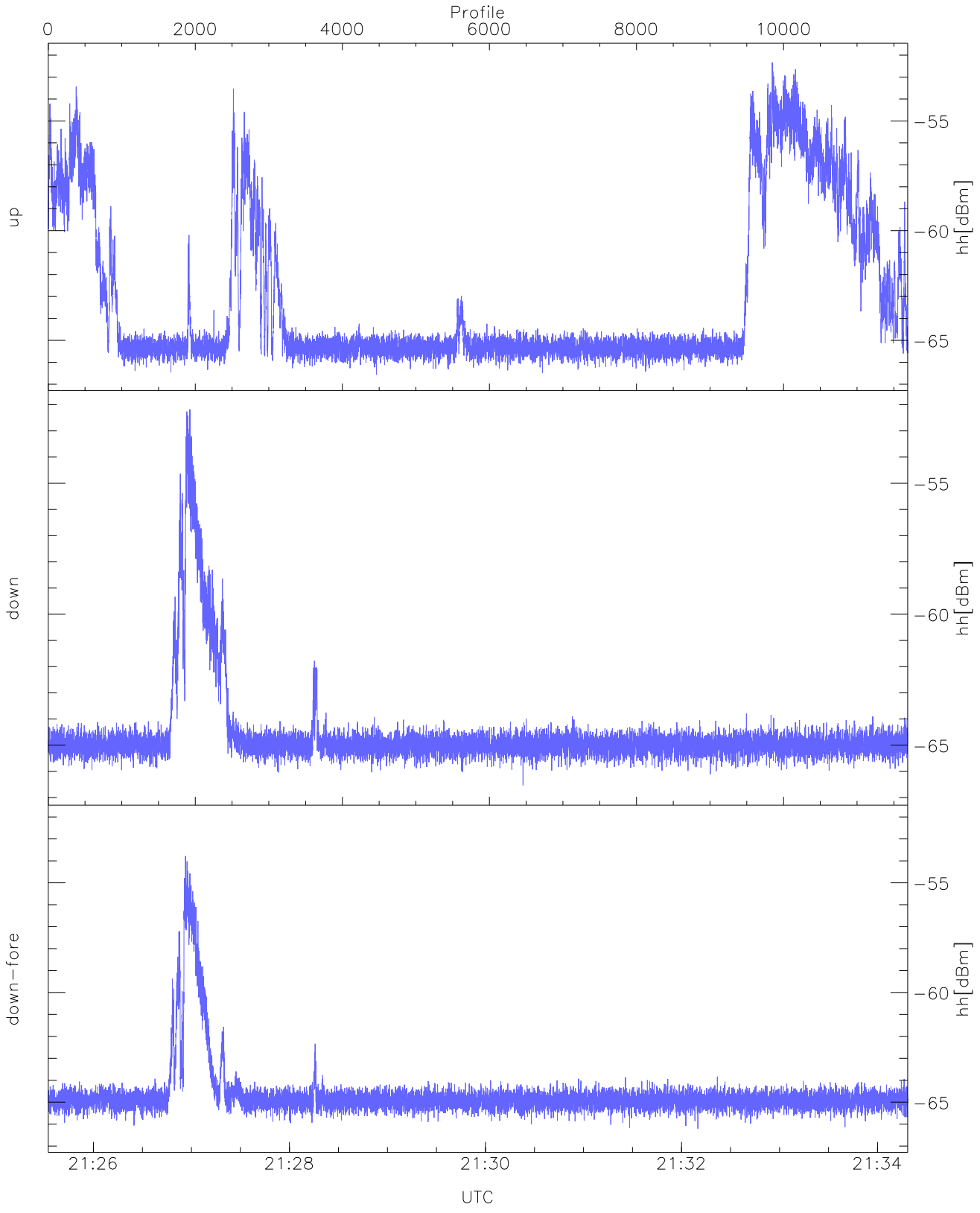
WCR3 CPP Averaged Received power for all recorded gates
blue: 212532-212955, 5846 profiles averaged
red: 212955-213418, 5845 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 212532-212955, 5846 profiles averaged
red: 212955-213418, 5845 profiles averaged

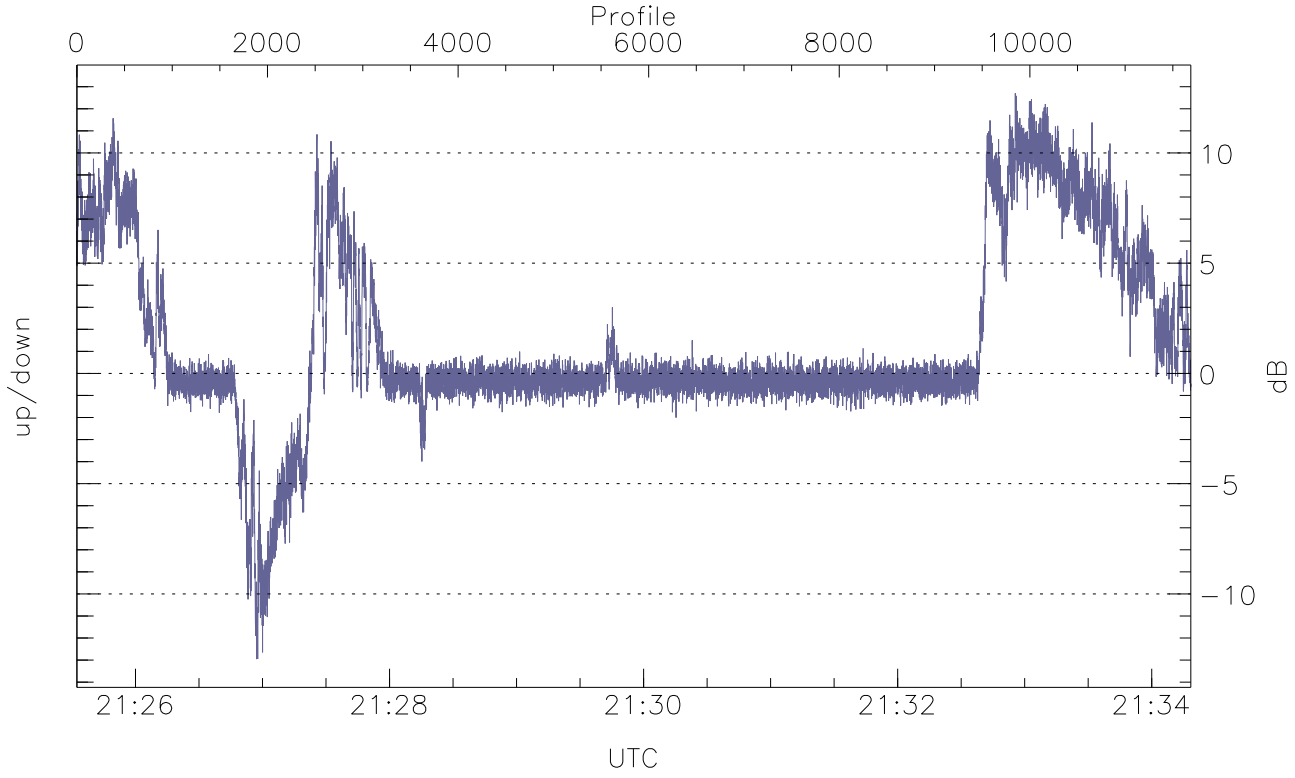


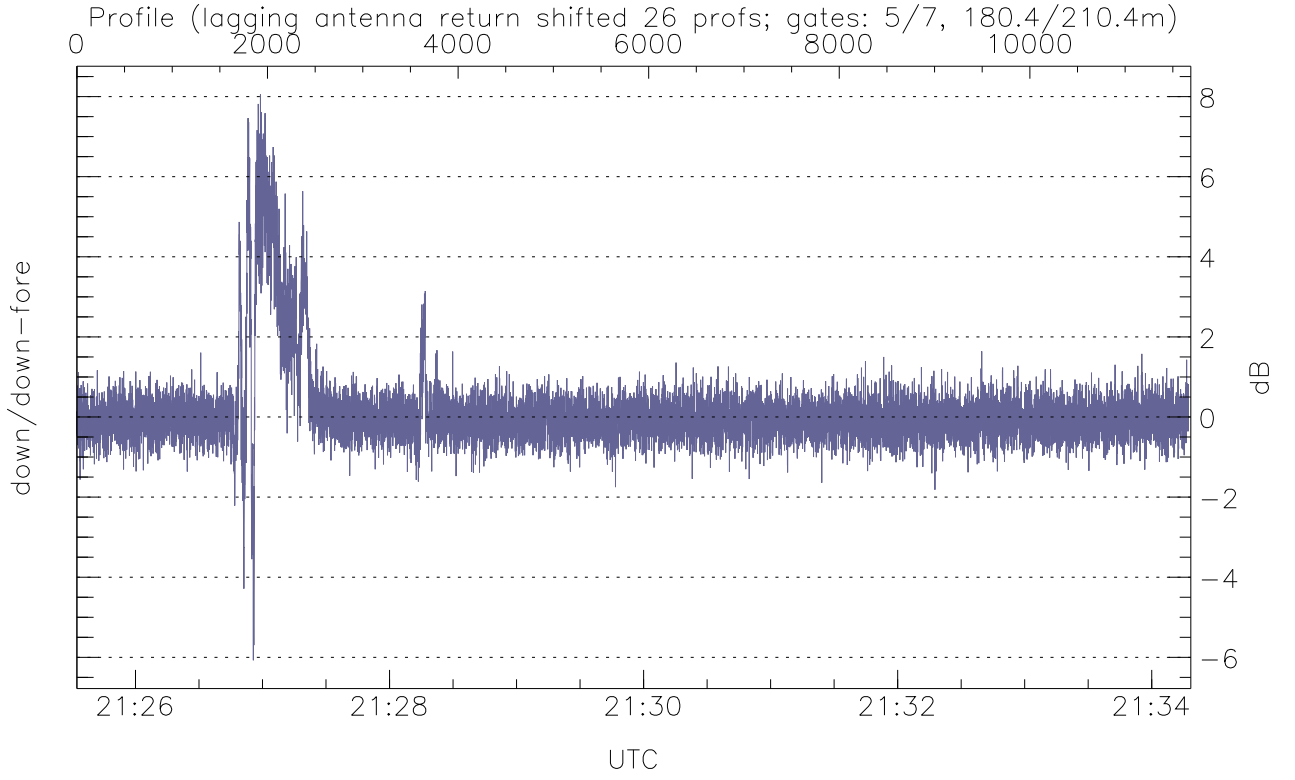
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

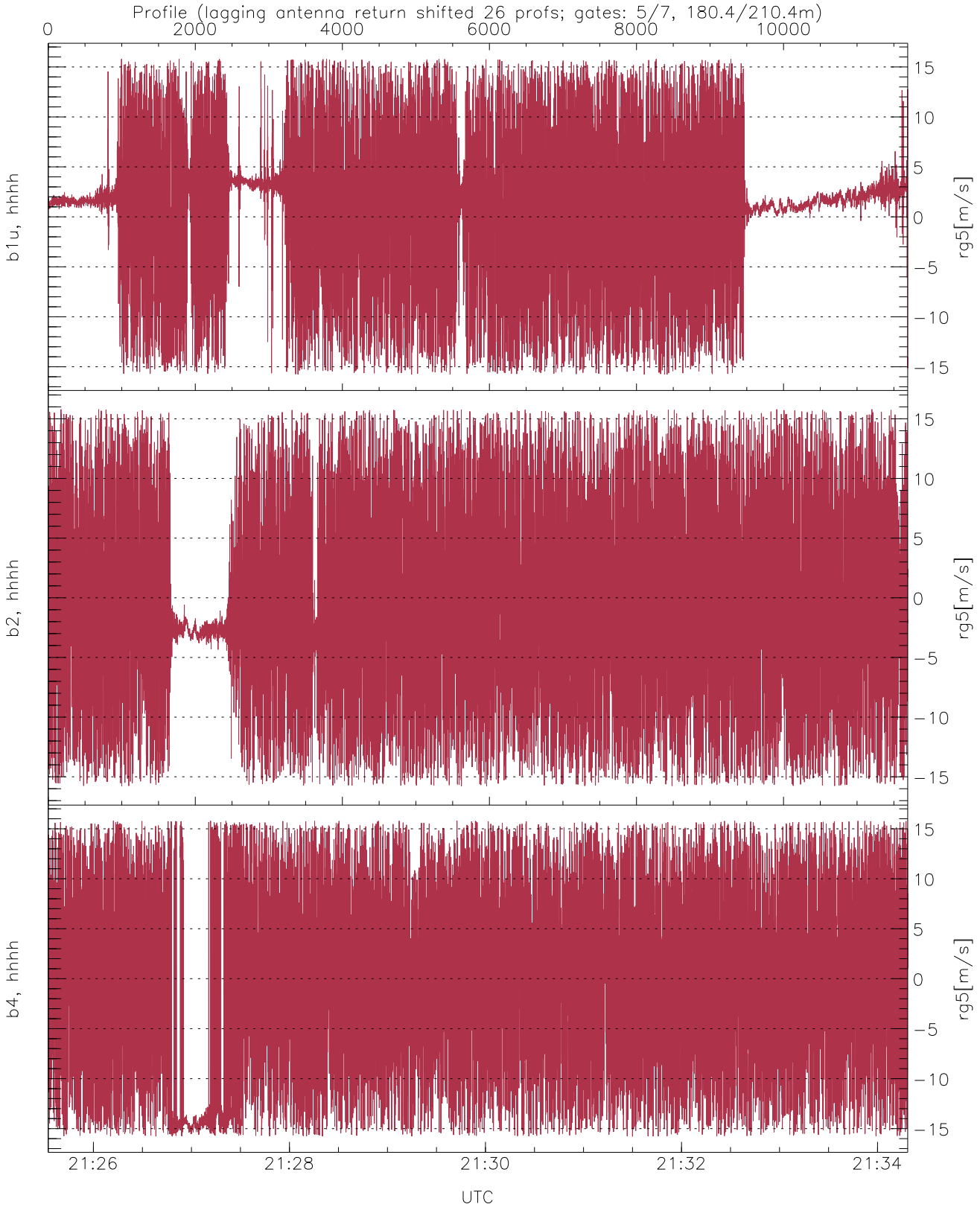
	Min	Max	Mean
up(hh[dBm])	-66.57	-52.33	-61.31
down(hh[dBm])	-66.53	-52.18	-64.02
down-fore(hh[dBm])	-66.21	-53.78	-64.31





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

	Min	Max	Mean
up/down(dB)	-12.95	12.70	1.44
down/down-fore(dB)	-6.07	8.05	0.15



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.78	15.79	0.87	7.02
b2, hhhh(rg5[m/s])	-15.78	15.79	-0.27	8.09
b4, hhhh(rg5[m/s])	-15.78	15.79	-0.67	9.22