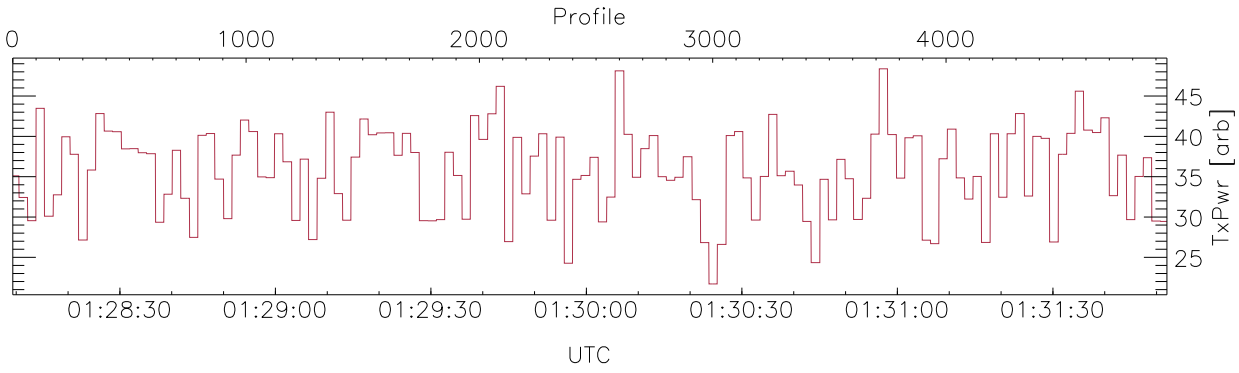
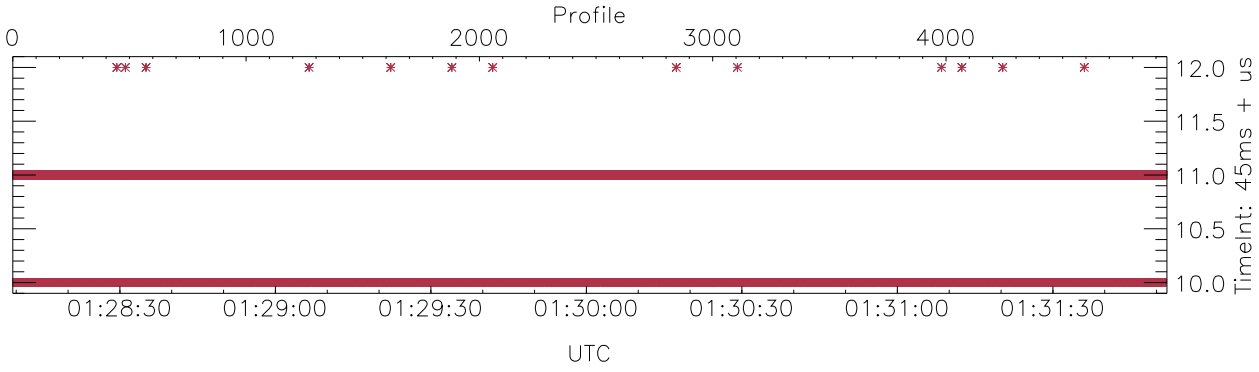
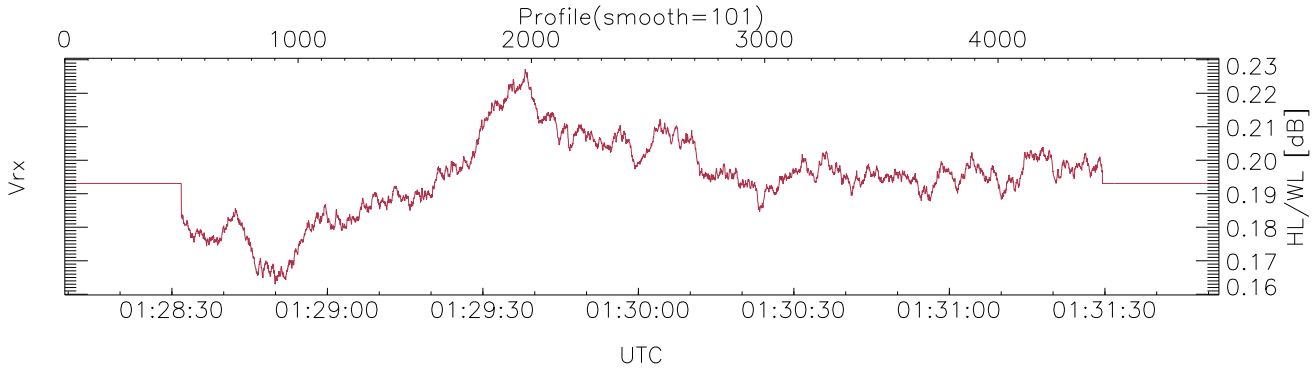
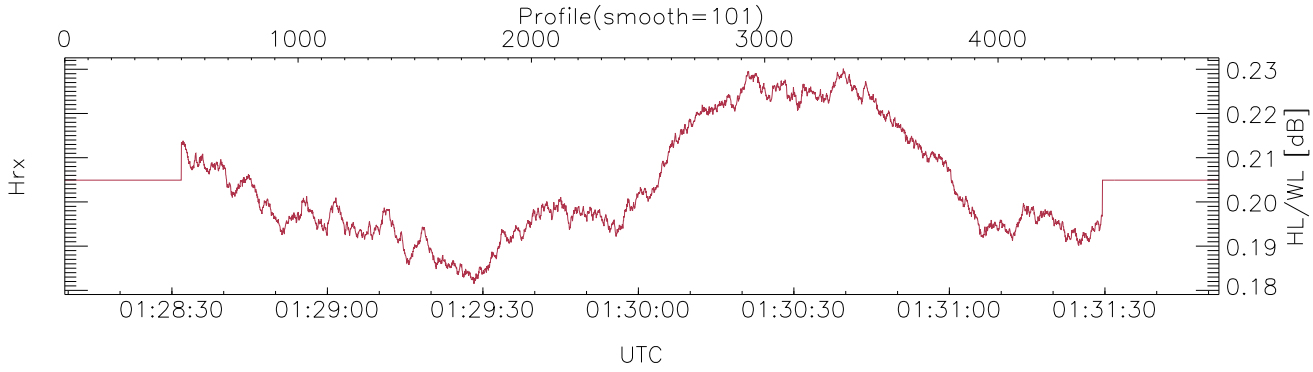


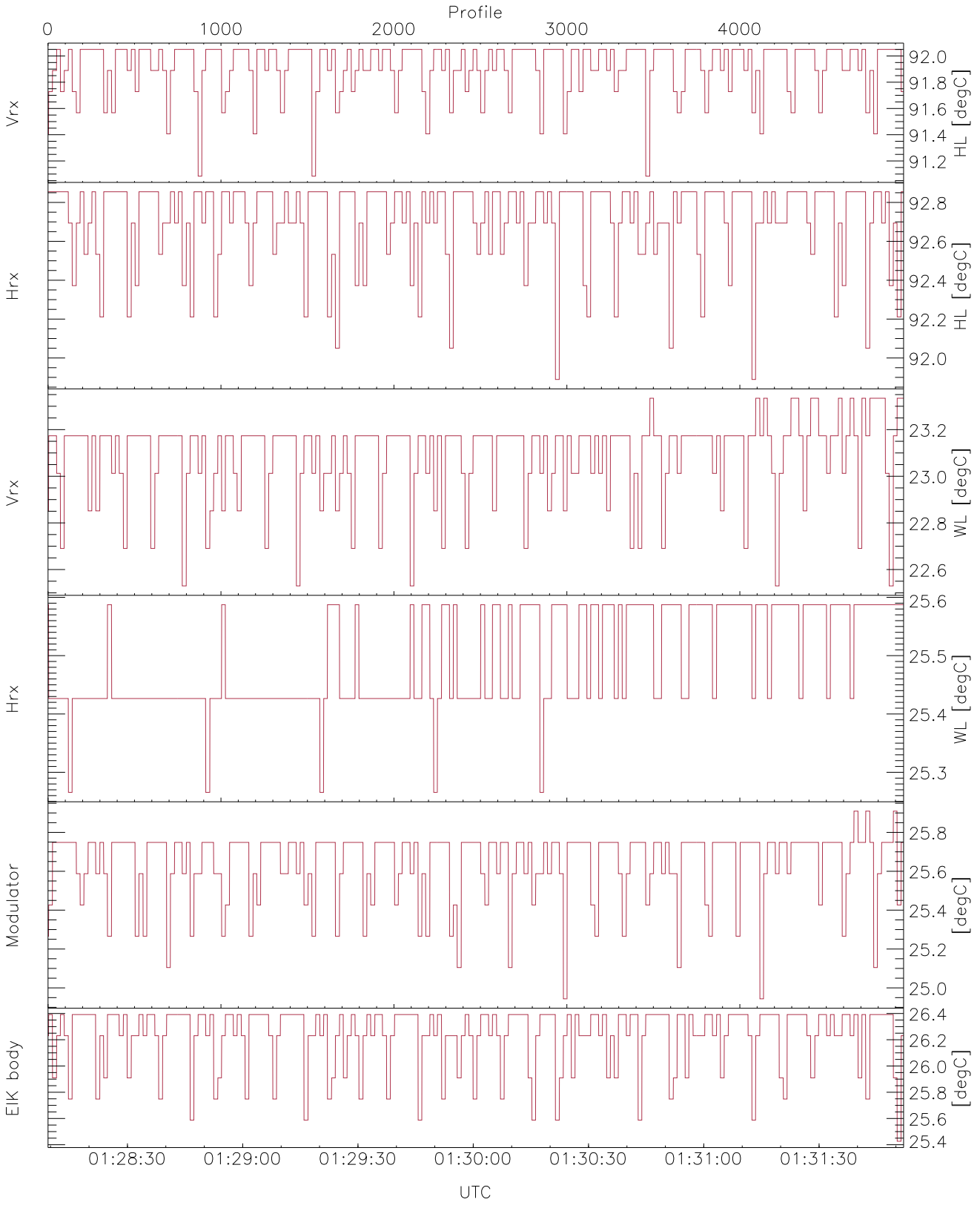






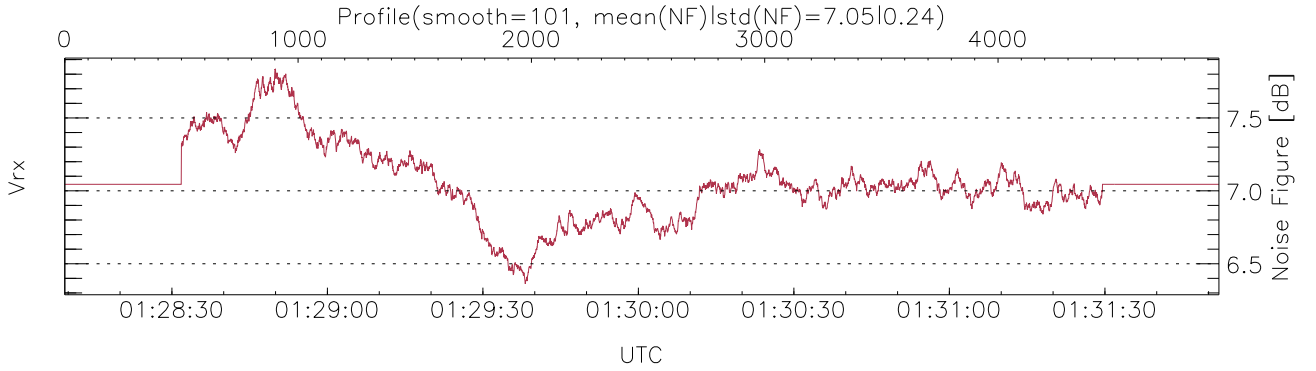
WCR3 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

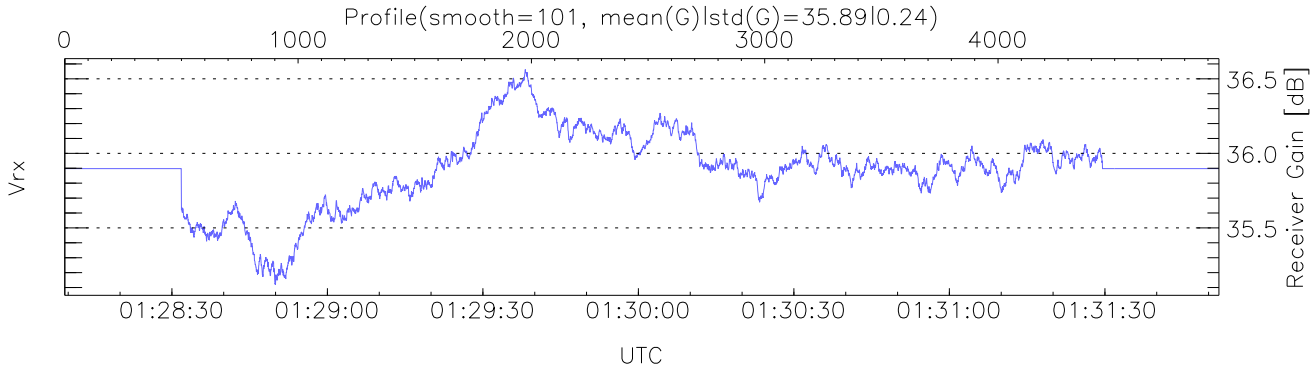
UTC: 01:28:09-01:31:52, TimeCor: 0.00s, Dur: 222.67s
TimeFlg: 1, TFPstatus constant.
TimeInt/PPS(min,max,mn,std): 45.0,45.0,45.0,0.0 ms / 22.2,22.2,22.2
NumRec(r/t): 4948/4948, 0-4947/01:28:09-01:31:52
AcqTime: 45.0ms, Rate: 0.490MB/s, Averages (req.,actual): 100,100
Pulse: 250ns, IFF: 4.0MHz, Tx: H1 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

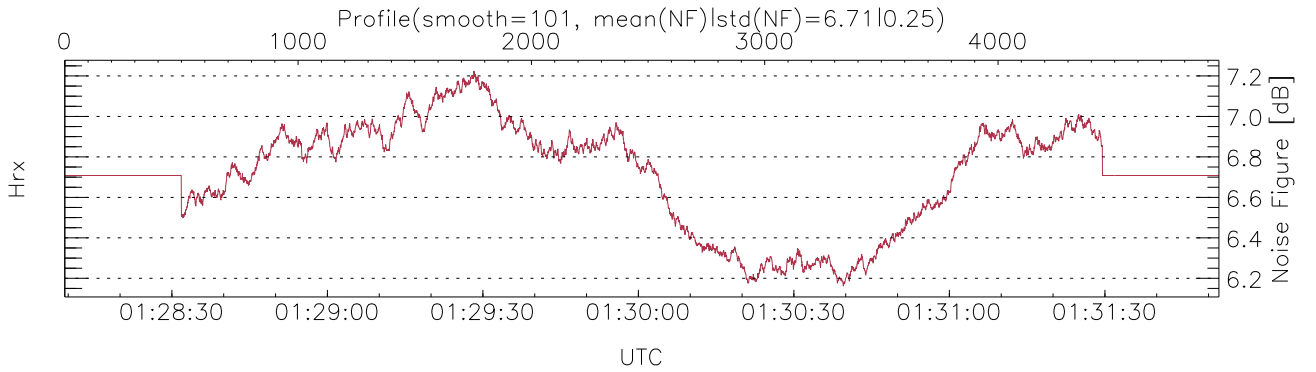


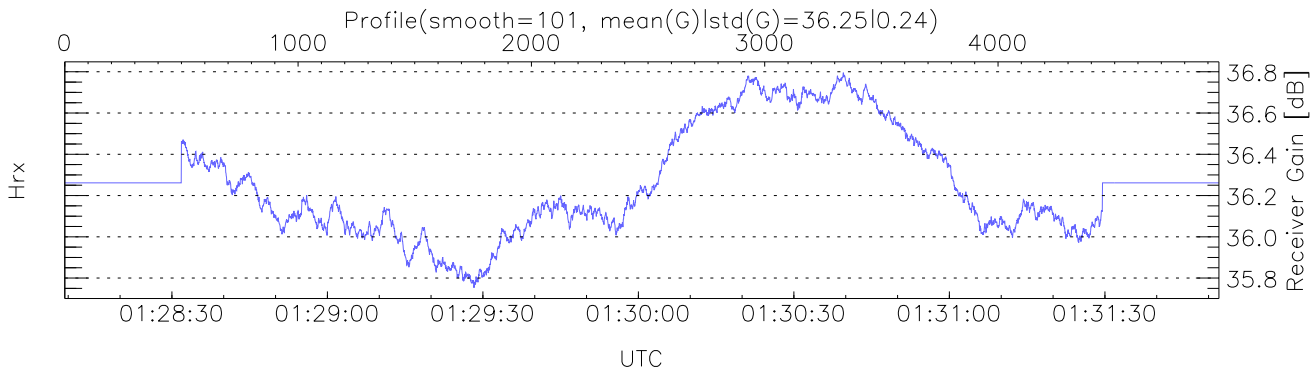
WCR3 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,91,22,25,24,25
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,92,23,25,25,26
LOalarm(20,240,2817,14861 MHz): None
EIK/Modulator Faults: None



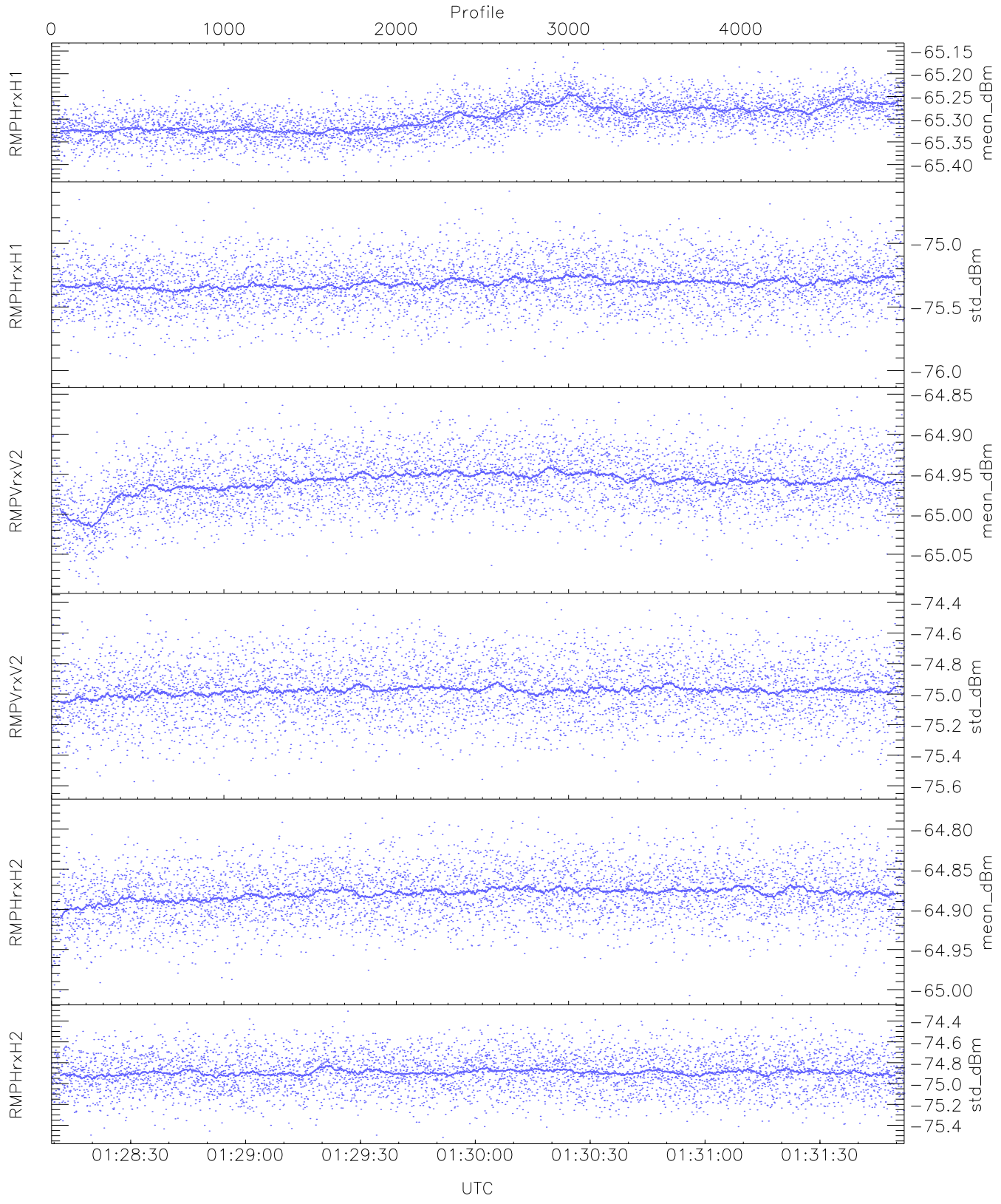






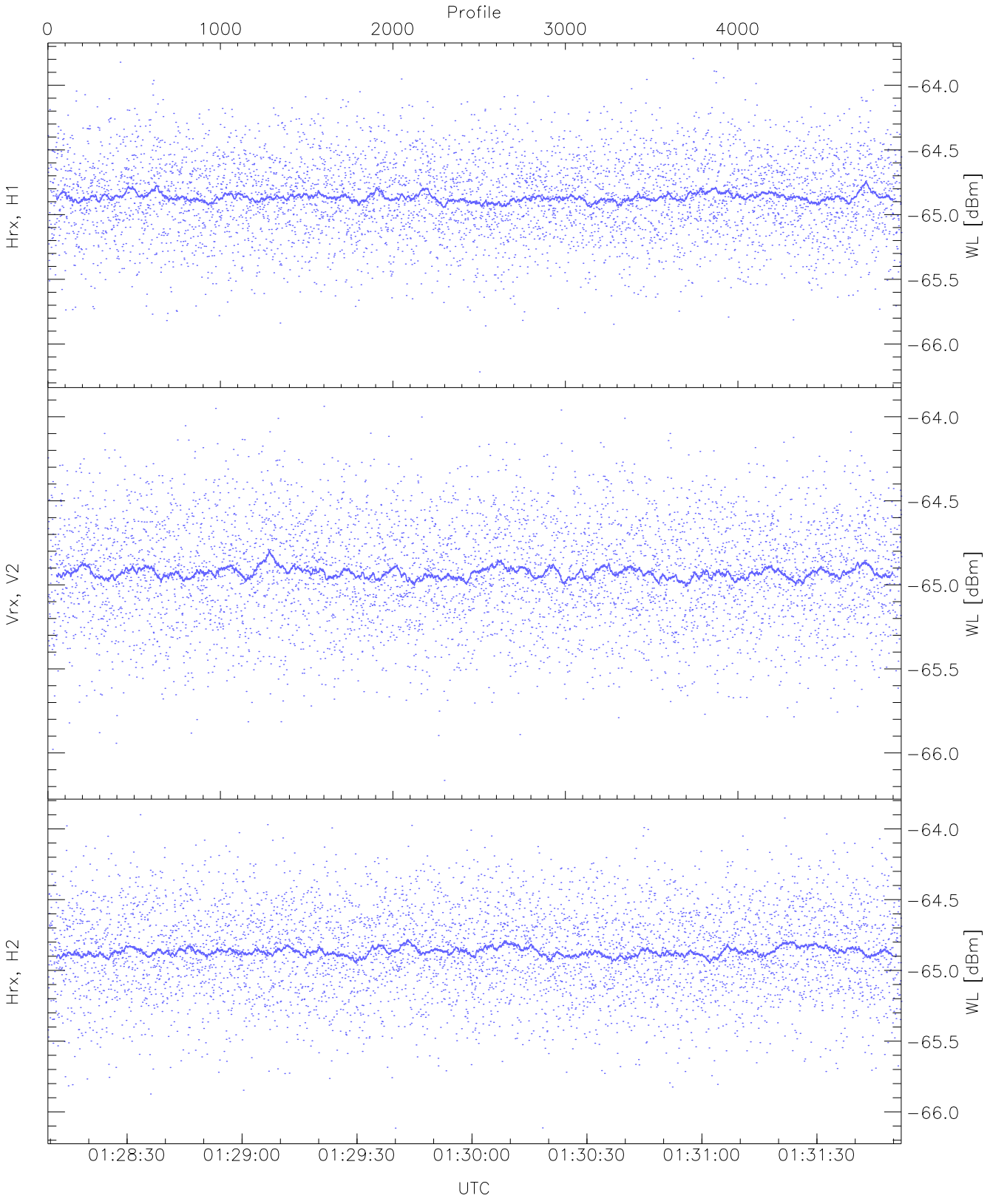
WCR3 CPP Receivers Gain and Noise Figure

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



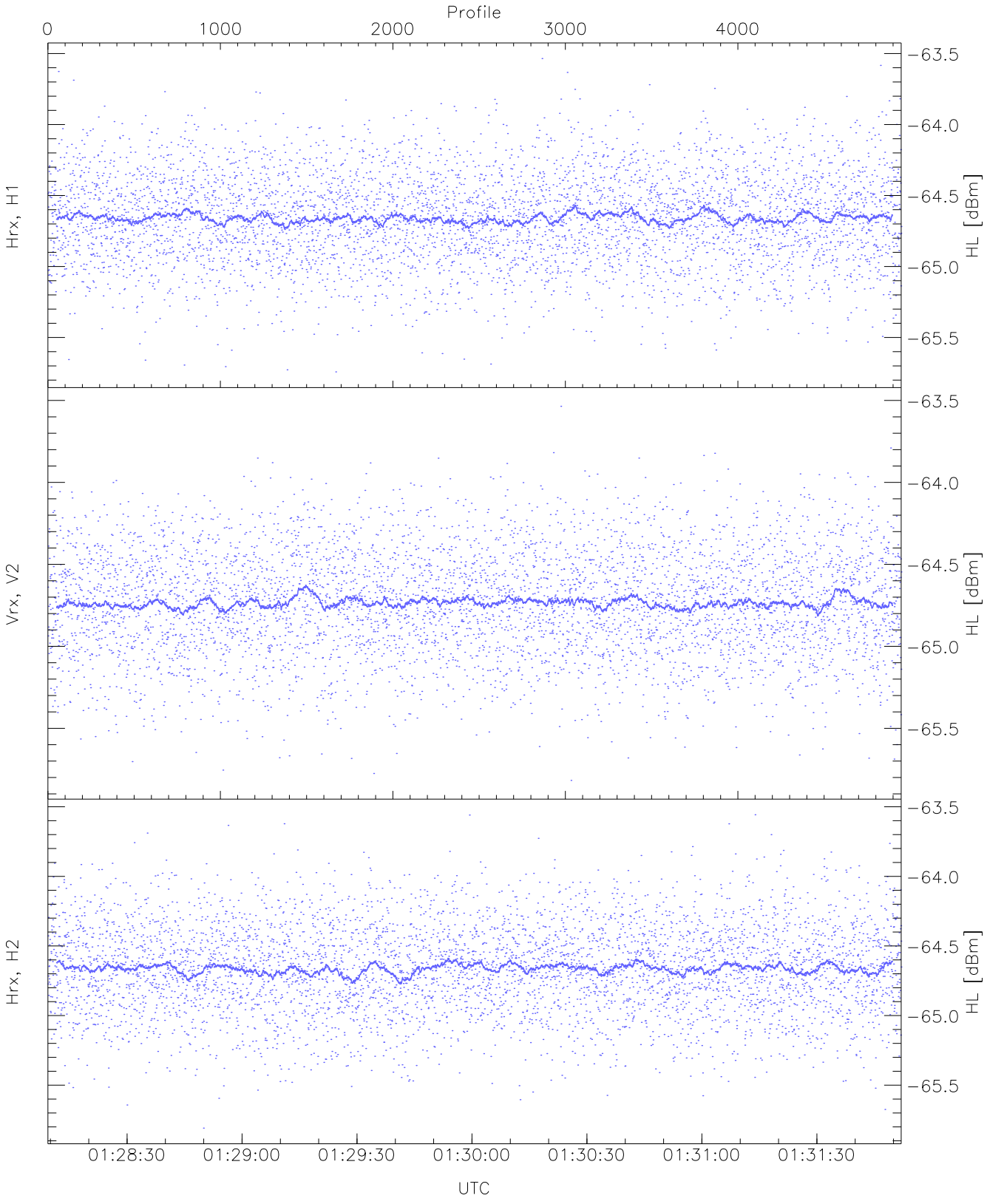
WCR3 CPP RM pulses(Tx is OFF) received power: Mean, StDev(all gates)

	Min	Max	Mean	Median	StDev
RMPHrxH1(mean_dBm)	-65.42	-65.15	-65.30	-65.30	-85.73
RMPHrxH1(std_dBm)	-76.06	-74.59	-75.31	-75.31	-89.03
RMPVrxV2(mean_dBm)	-65.09	-64.85	-64.96	-64.96	-86.13
RMPVrxV2(std_dBm)	-75.63	-74.40	-74.98	-74.98	-88.79
RMPHrxH2(mean_dBm)	-65.01	-64.77	-64.88	-64.88	-86.36
RMPHrxH2(std_dBm)	-75.52	-74.31	-74.89	-74.90	-88.69



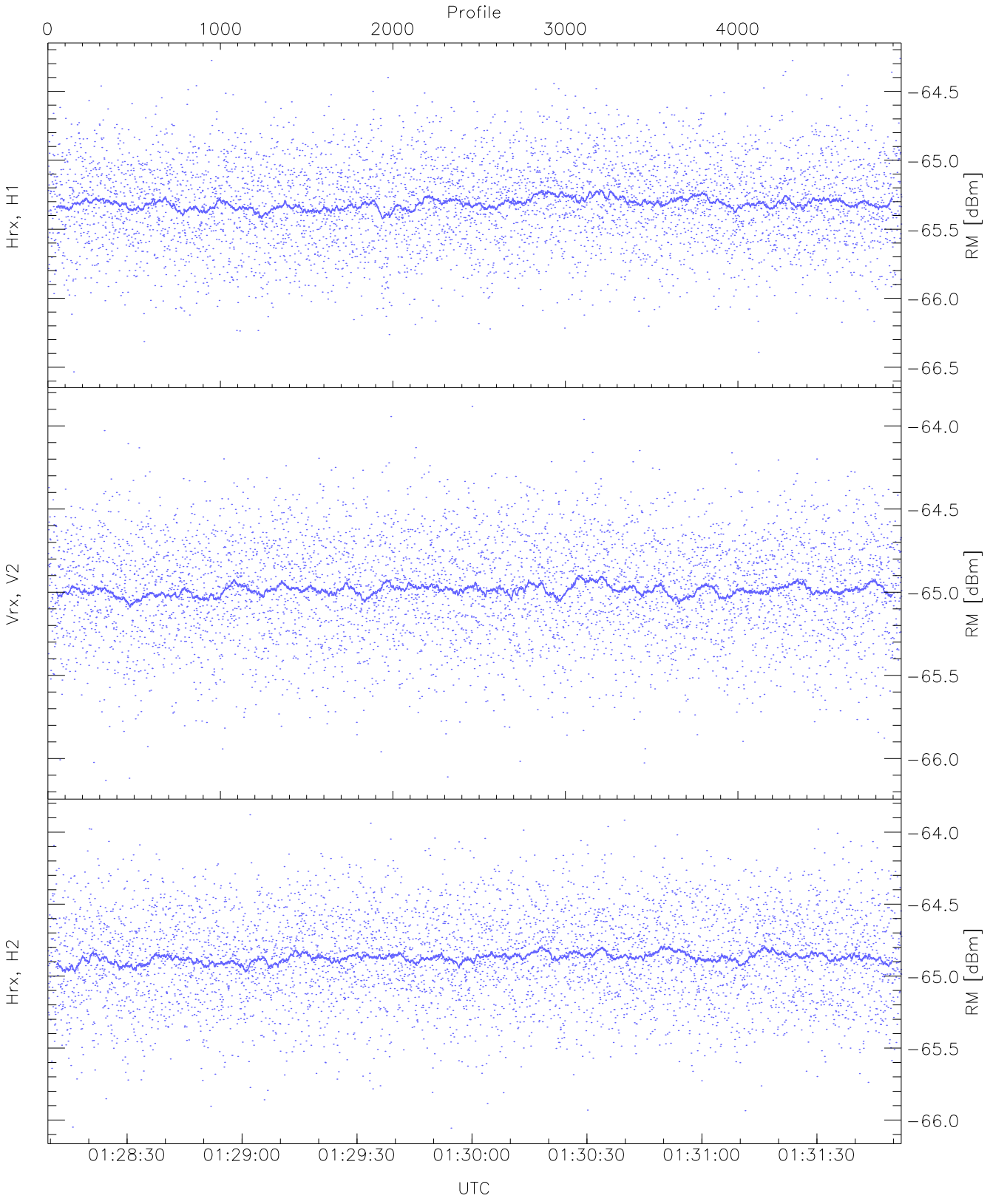
WCR3 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-66.22	-63.79	-64.86	-64.87	-76.33
Vrx, V2(WL [dBm])	-66.16	-63.94	-64.92	-64.93	-76.44
Hrx, H2(WL [dBm])	-66.11	-63.90	-64.86	-64.87	-76.35



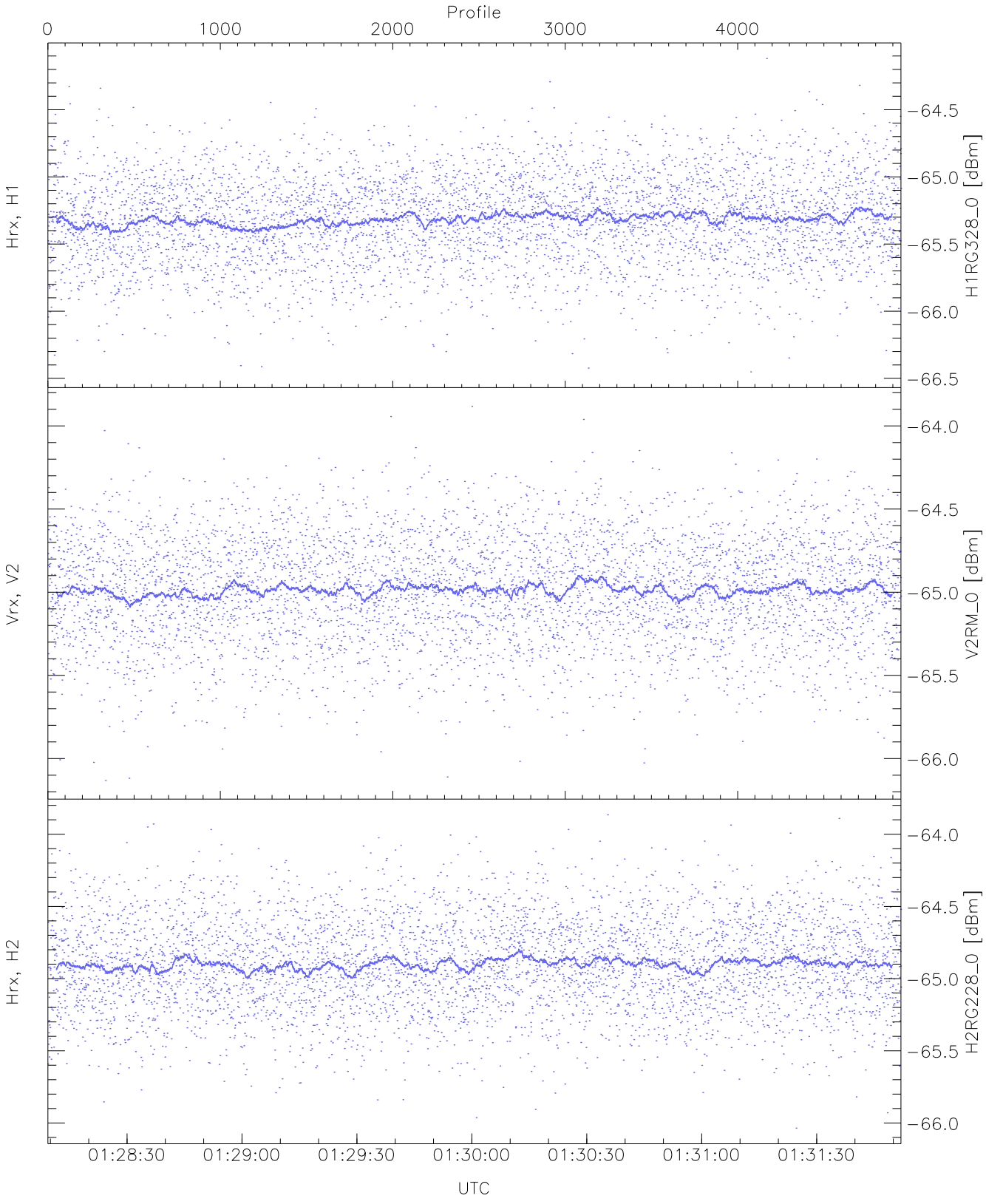
WCR3 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-65.74	-63.54	-64.65	-64.66	-76.13
Vrx, V2(HL [dBm])	-65.82	-63.54	-64.73	-64.74	-76.18
Hrx, H2(HL [dBm])	-65.81	-63.56	-64.65	-64.66	-76.13



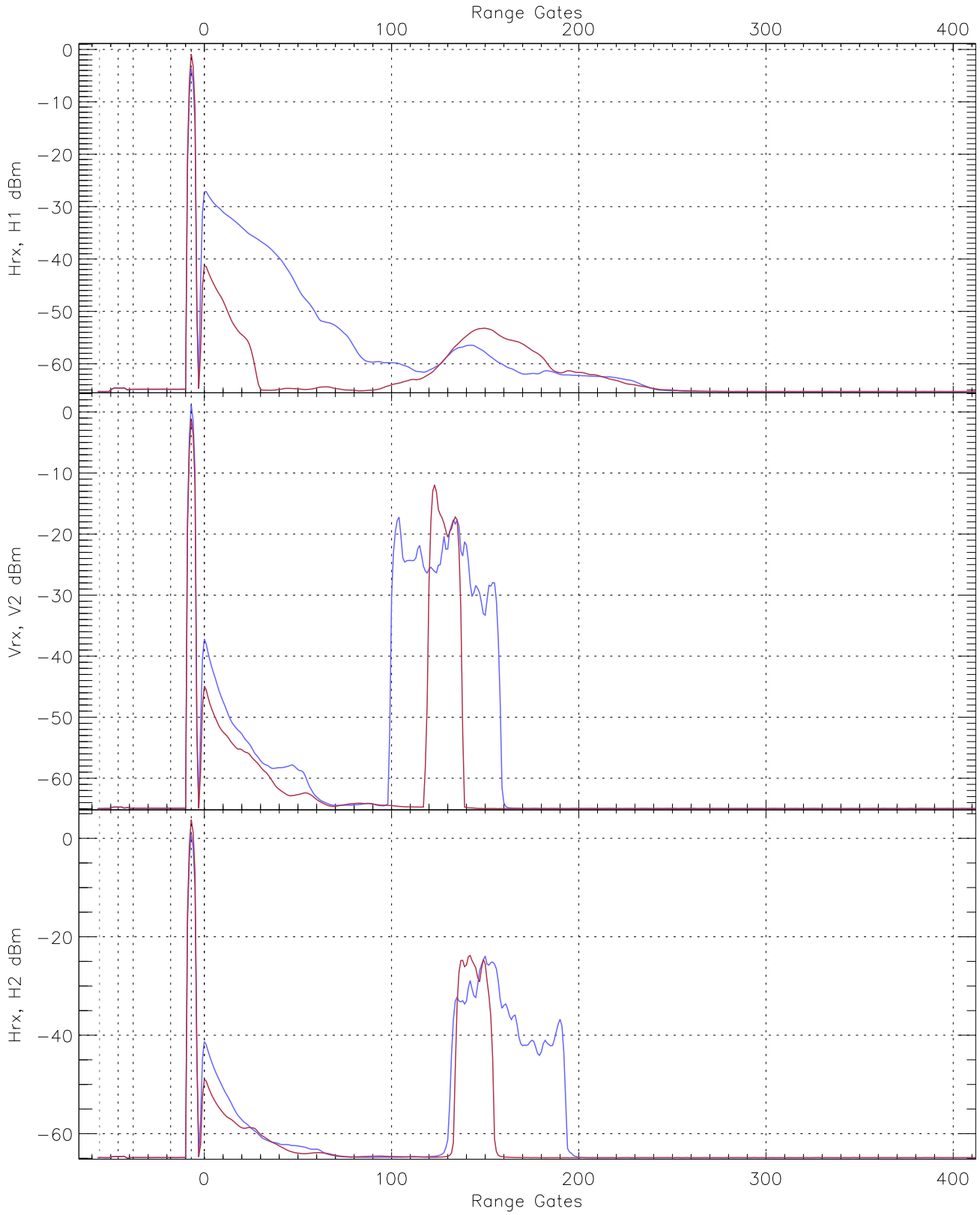
WCR3 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-66.53	-64.26	-65.30	-65.31	-76.81
Vrx, V2(RM [dBm])	-66.13	-63.88	-64.98	-64.98	-76.54
Hrx, H2(RM [dBm])	-66.06	-63.88	-64.86	-64.87	-76.31

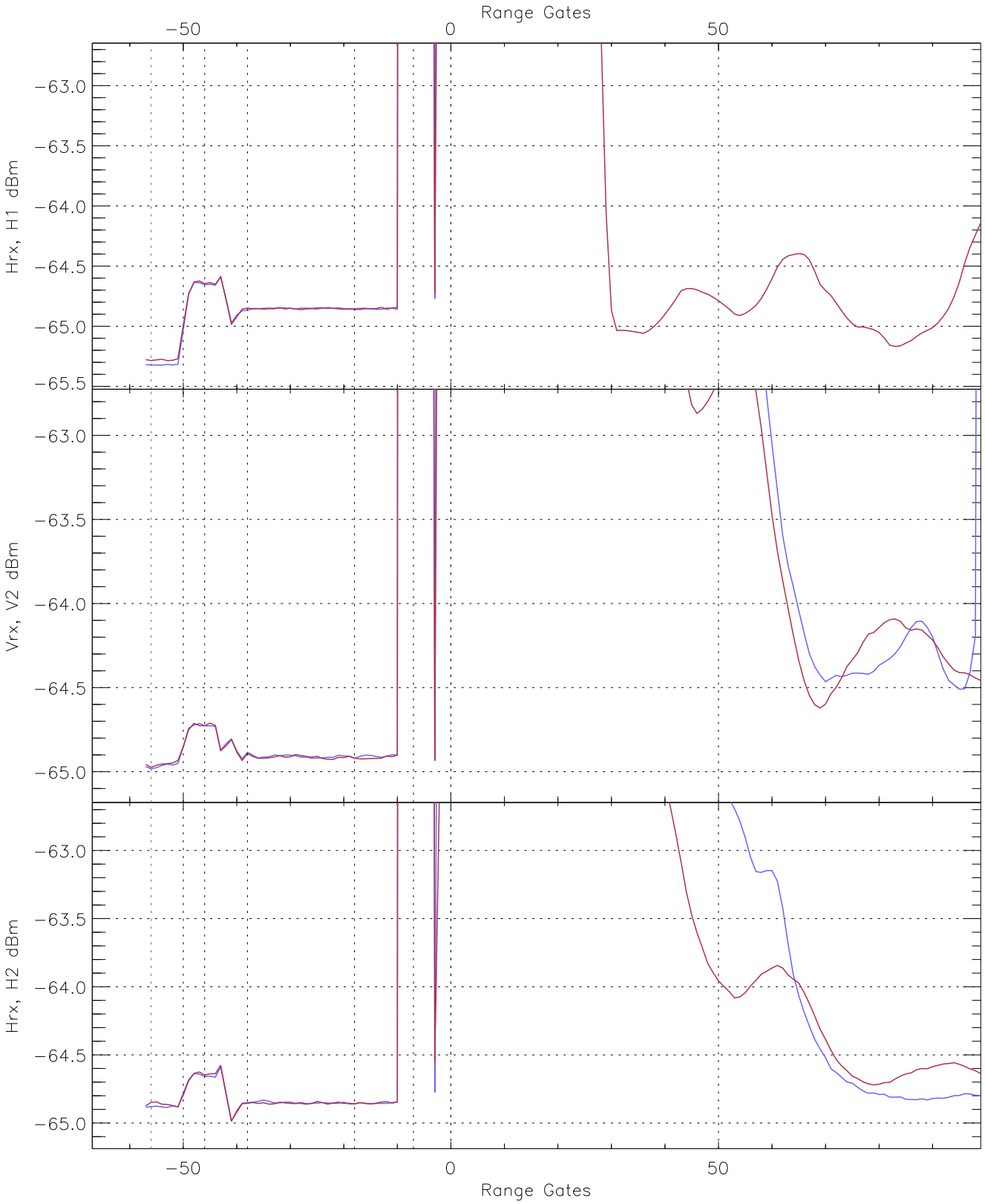


WCR3 CPP "Best" estimate Receivers Noise Power

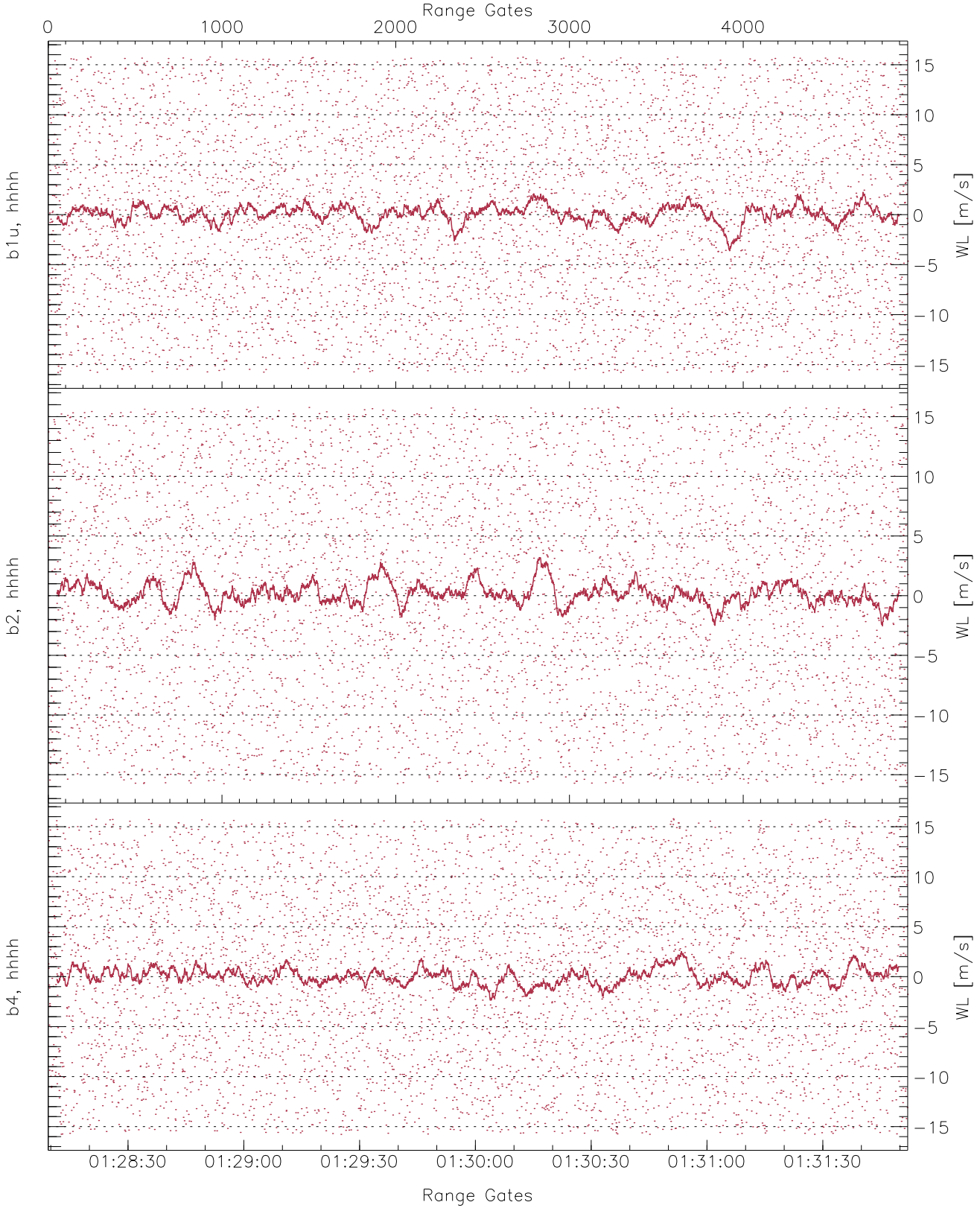
	Min	Max	Mean	Median	StDev
H1RG328_0 [dBm]	-66.45	-64.12	-65.31	-65.31	-76.79
V2RM_0 [dBm]	-66.13	-63.88	-64.98	-64.98	-76.54
H2RG228_0 [dBm]	-66.04	-63.87	-64.89	-64.91	-76.44



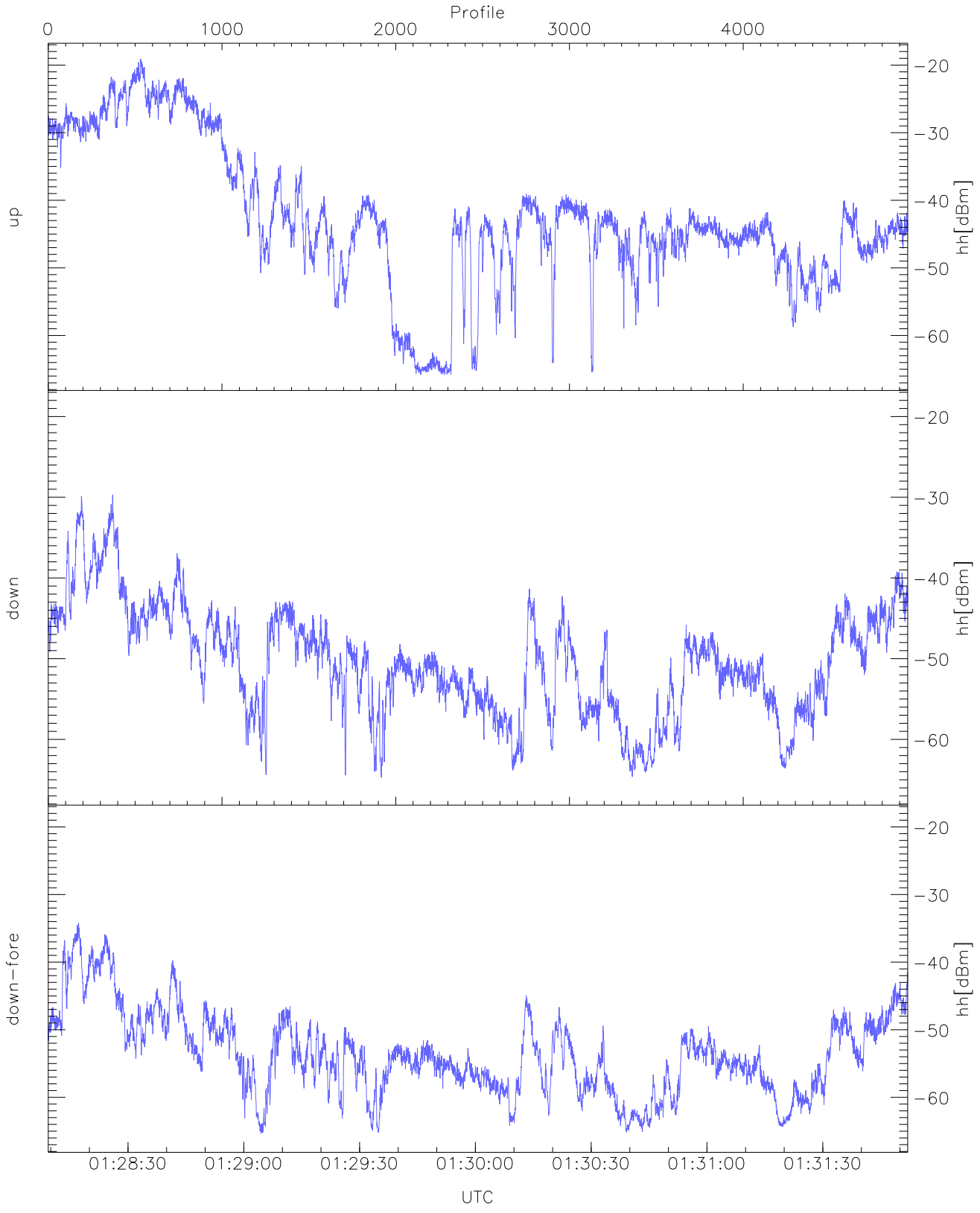
WCR3 CPP Averaged Received power for all recorded gates
blue: 012809-013001, 2475 profiles averaged
red: 013001-013152, 2474 profiles averaged



WCR3 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 012809-013001, 2475 profiles averaged
red: 013001-013152, 2474 profiles averaged

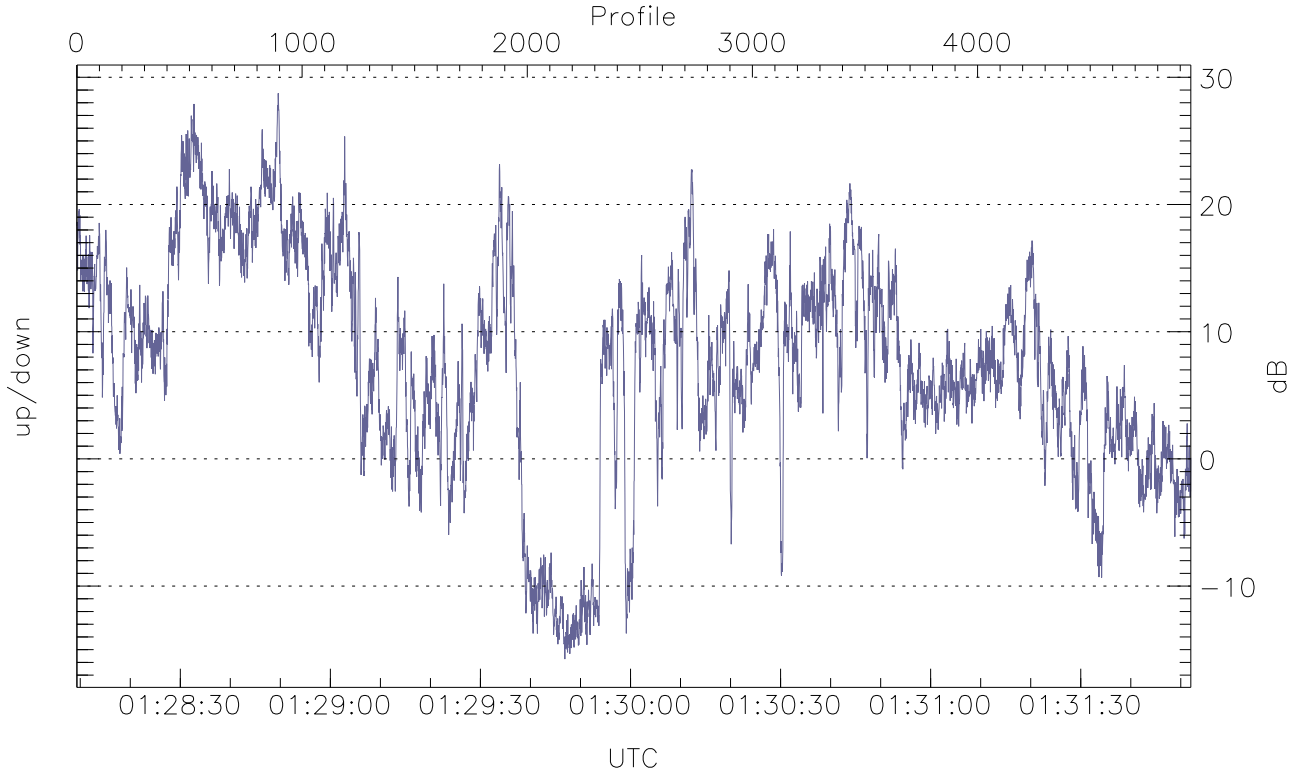


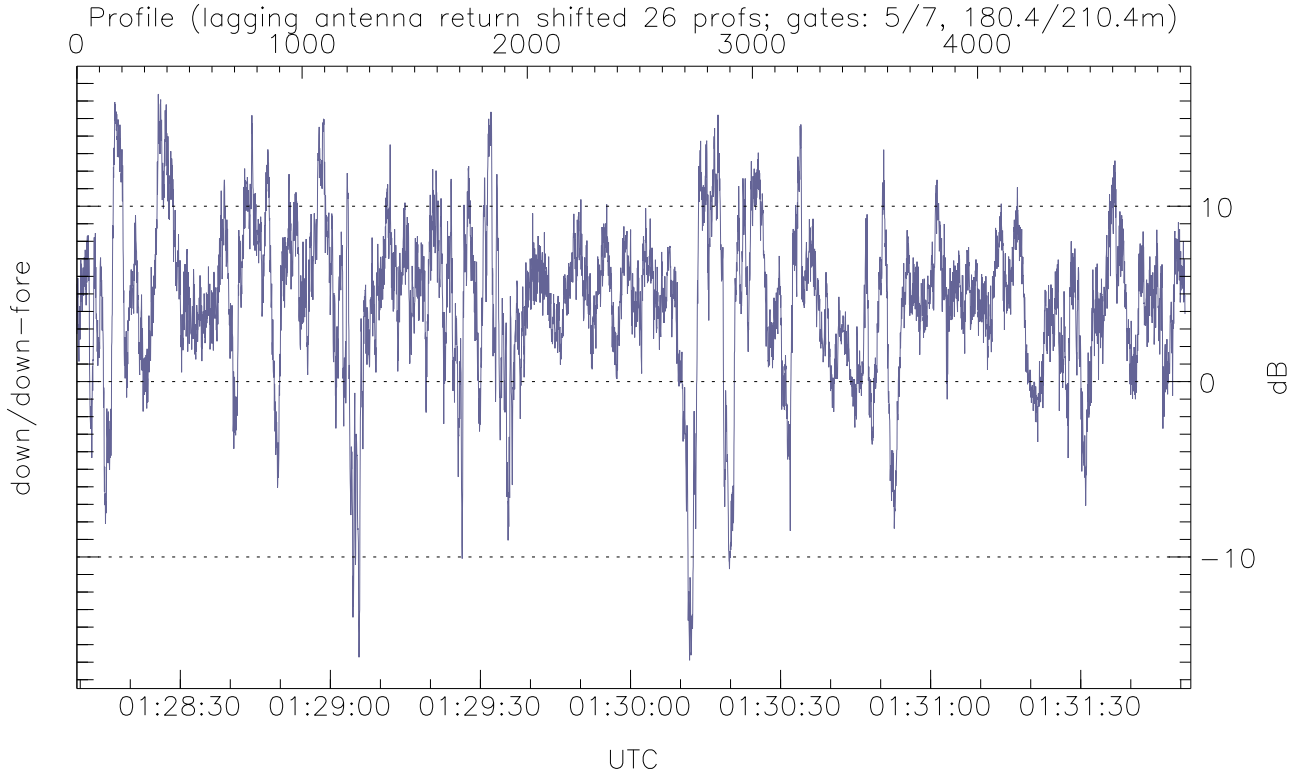
WCR3 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



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

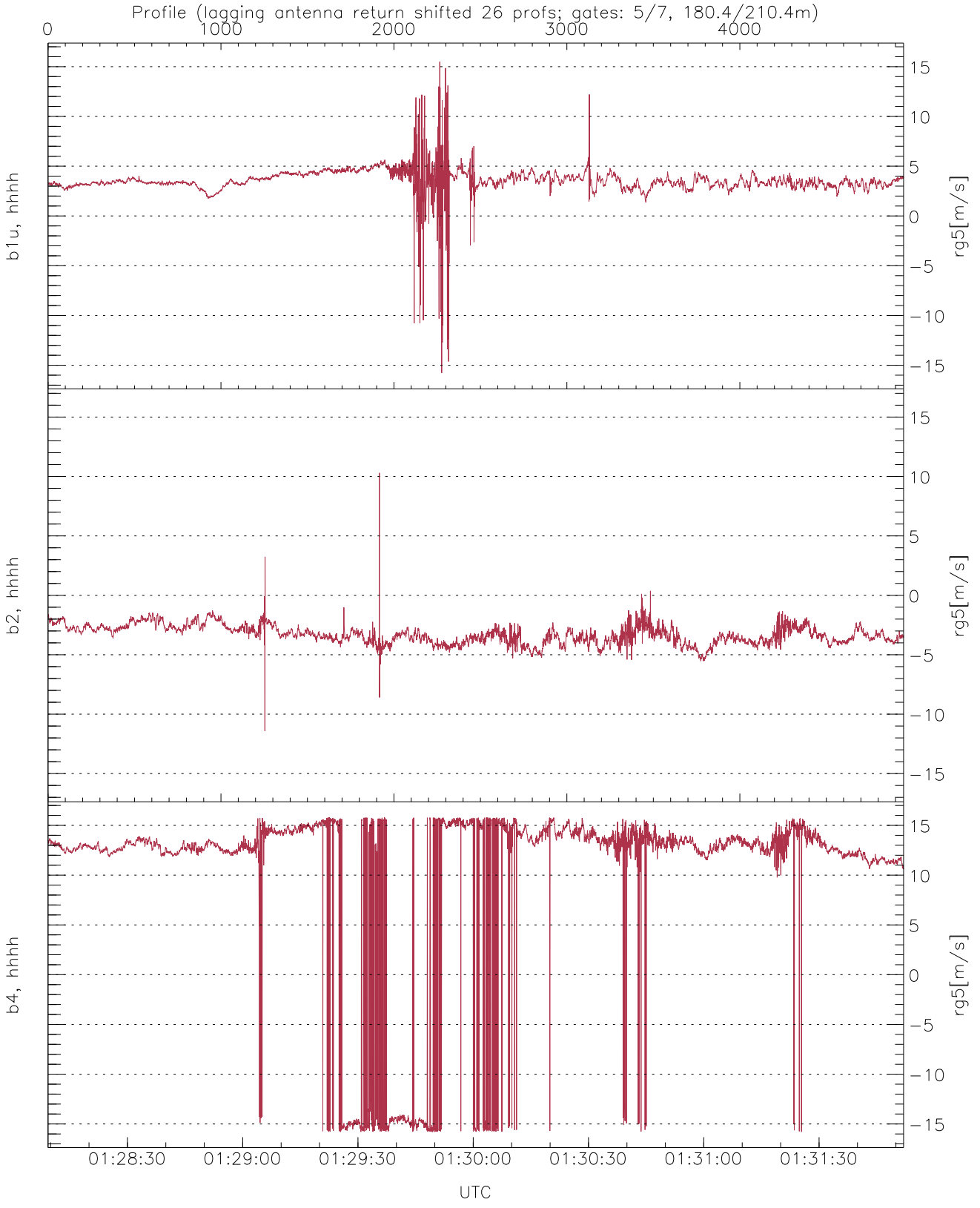
	Min	Max	Mean
up(hh[dBm])	-65.80	-19.10	-32.17
down(hh[dBm])	-64.69	-29.70	-44.98
down-fore(hh[dBm])	-65.35	-34.22	-48.64





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

	Min	Max	Mean
up/down(dB)	-15.74	28.74	7.59
down/down-fore(dB)	-15.89	16.37	4.52



WCR3 CPP Doppler Velocity Products at 180.4 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.77	15.49	3.54	1.32
b2, hhhh(rg5[m/s])	-11.42	10.30	-3.30	0.82
b4, hhhh(rg5[m/s])	-15.79	15.79	9.92	9.45