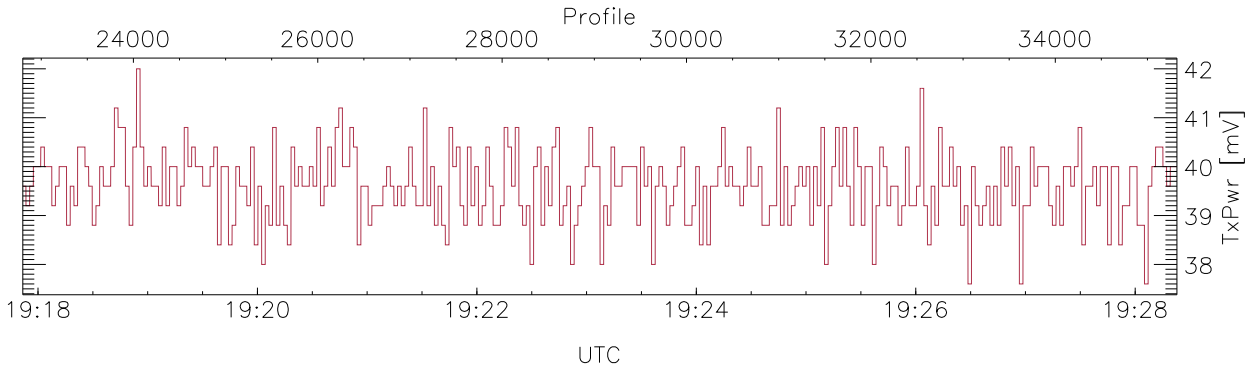
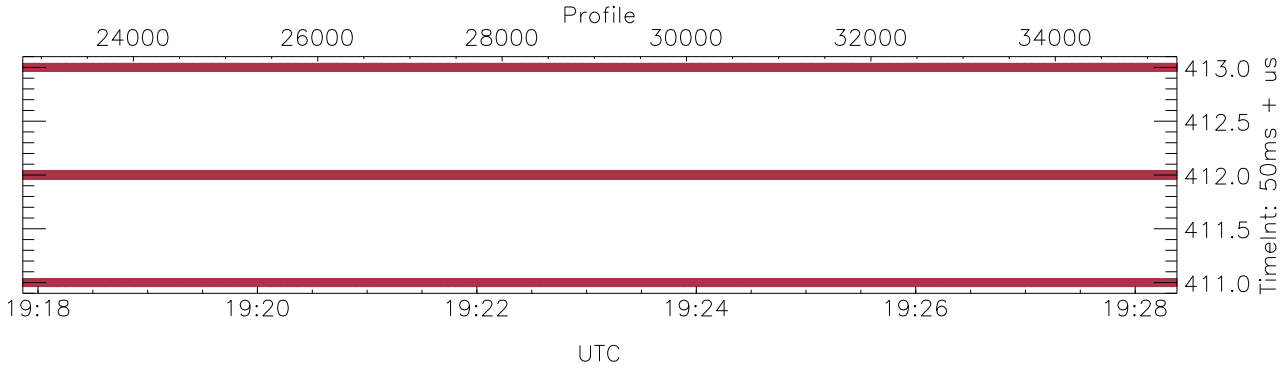
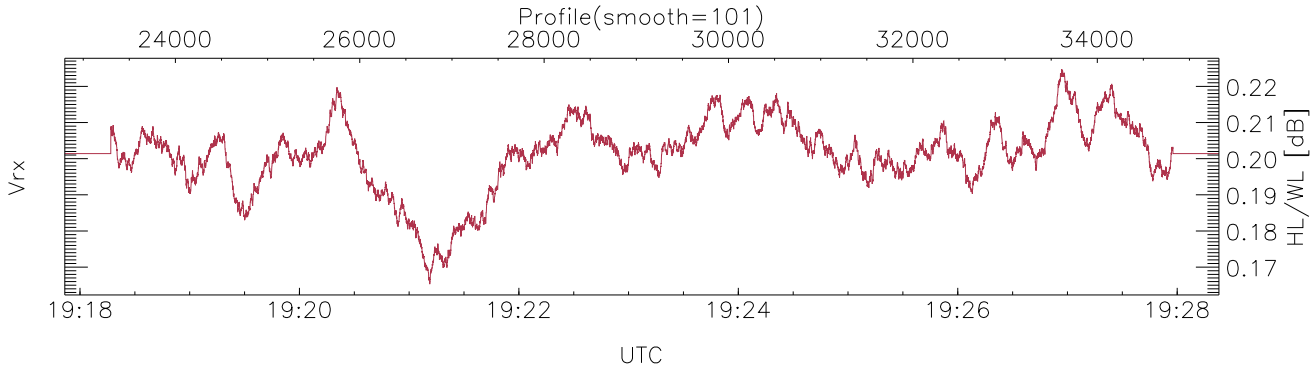
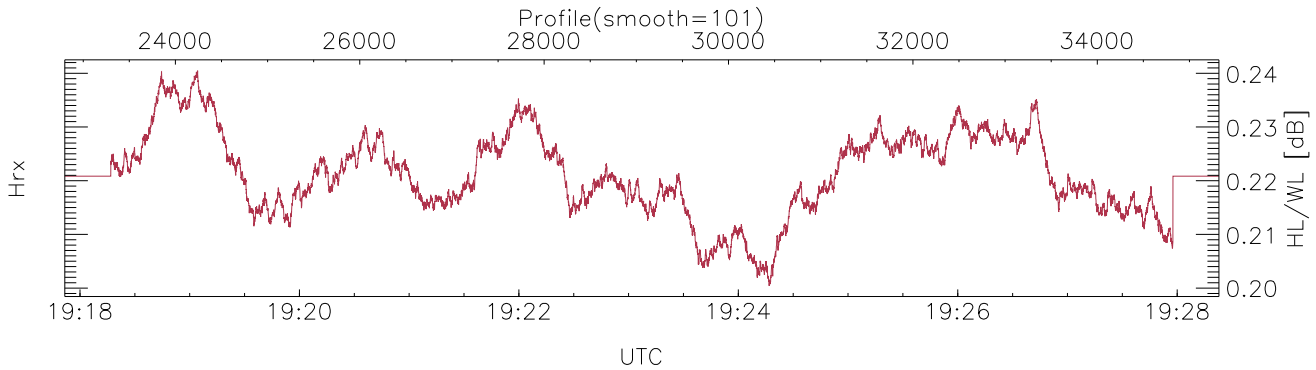


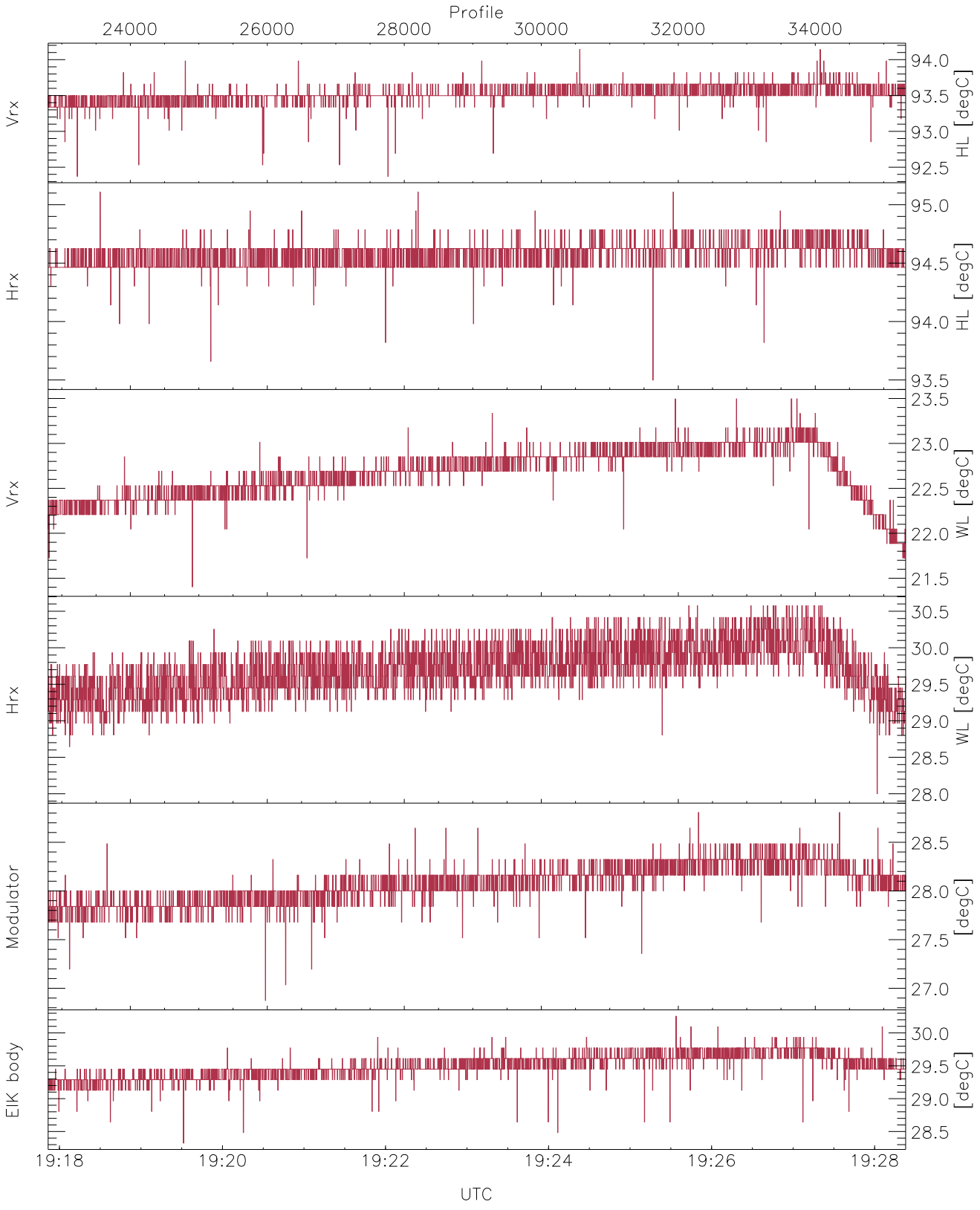






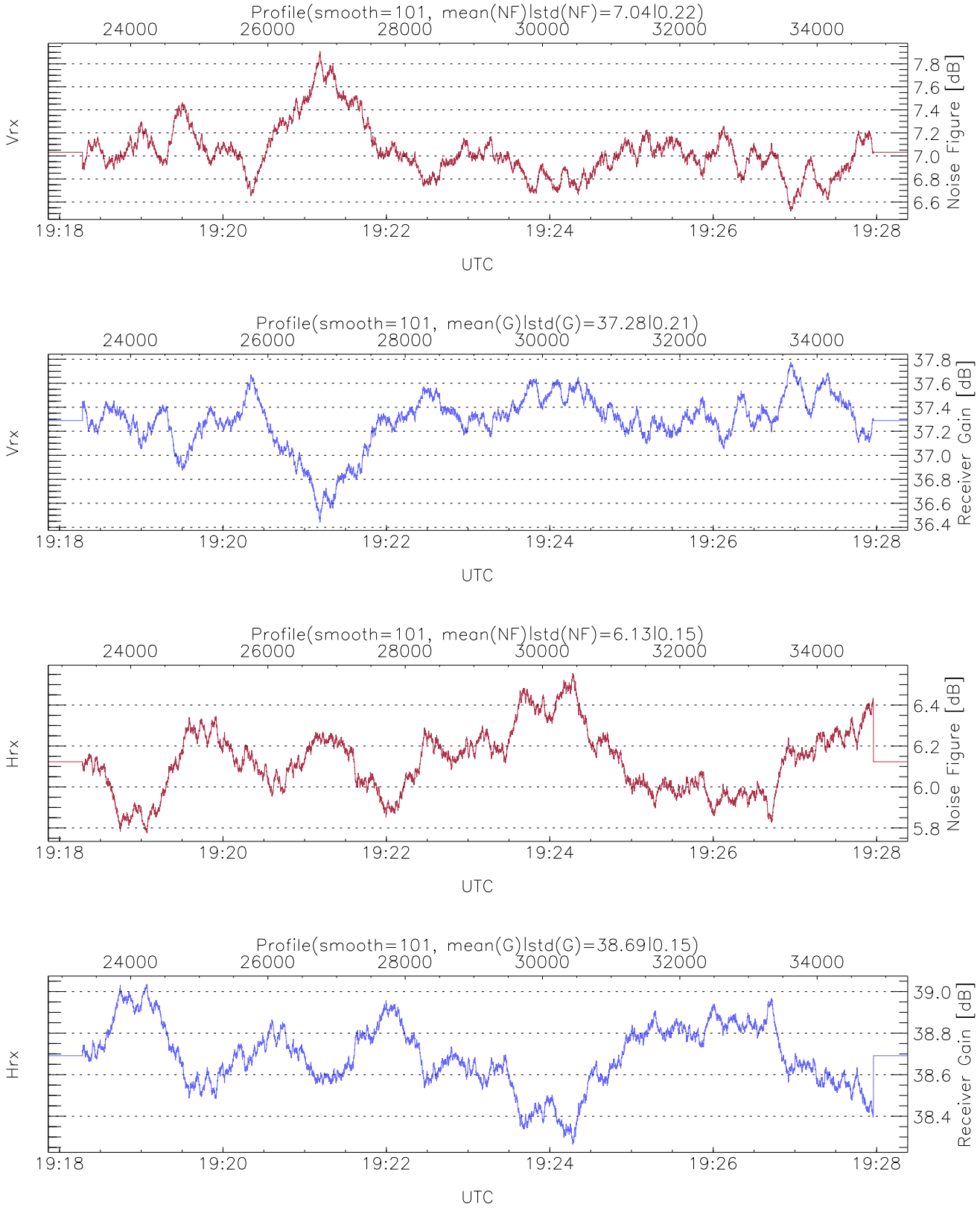
WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

UTC: 18:58:42-19:28:23, Dur: 1780.57s
TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant
TimeInt/PPS(min,max,mn,std): 50.4,50.4,50.4,0.0 ms / 20,20,20
NumRec(r/t): 12521/35321, 22800-35320/19:17:52-19:28:23
AcqTime: 50.4ms, Rate: 268KB/s, Averages: 168
Pulse: 200ns, IFF: 5.0MHz, Tx: H1 H1 H2 H2 V2 V2
PRF: 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us
Range(min,max,rgs): 105,5271,15.0 m, Gates: 345, Aspect: 3.3
Mirror(-9|0|1|2,3,9x = no mirror|sideup|error): 1



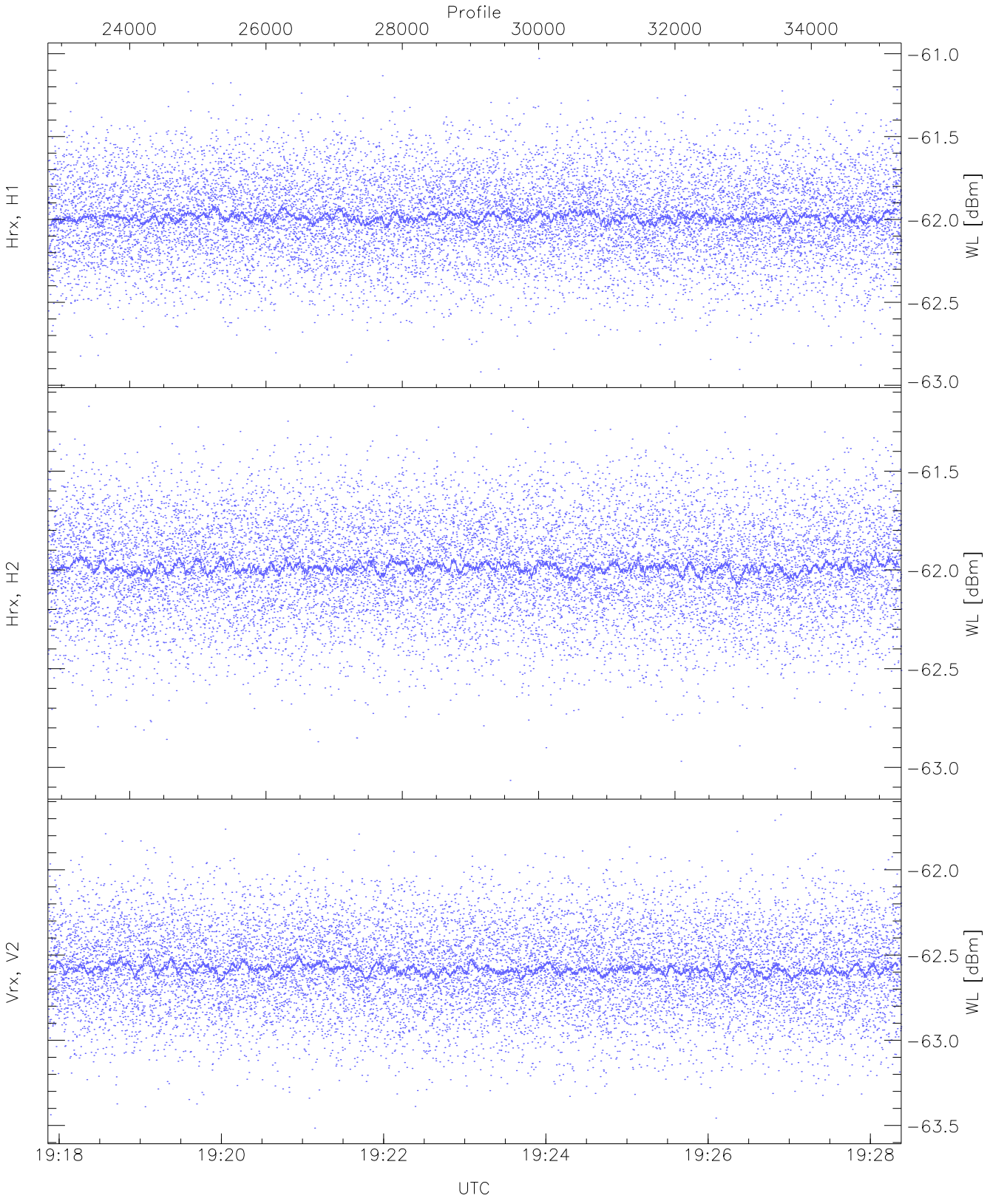
WCR2 CPP Temperature Monitor: Hot Loads, Warm Loads, Modulator, and EIK

mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 92,93,21,28,26,28
maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 94,95,23,30,28,30
LOalarm(20,80,240,2.8,14.8 MHz): None
EIK Faults(# prof affected):
DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (16,16,16,16,16,10)



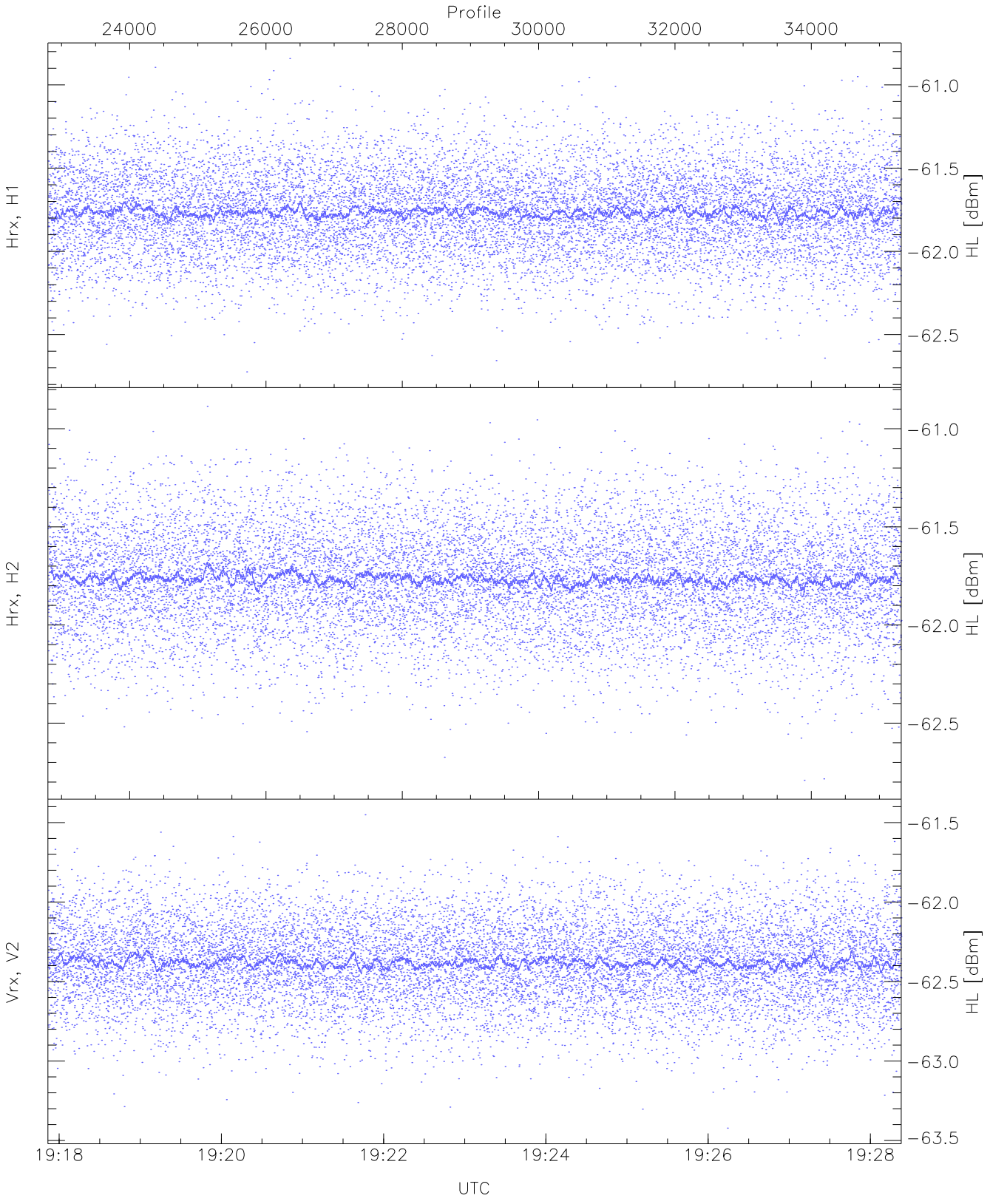
WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 3237 pixs, 14 gates, 3223 profs, 2 prods



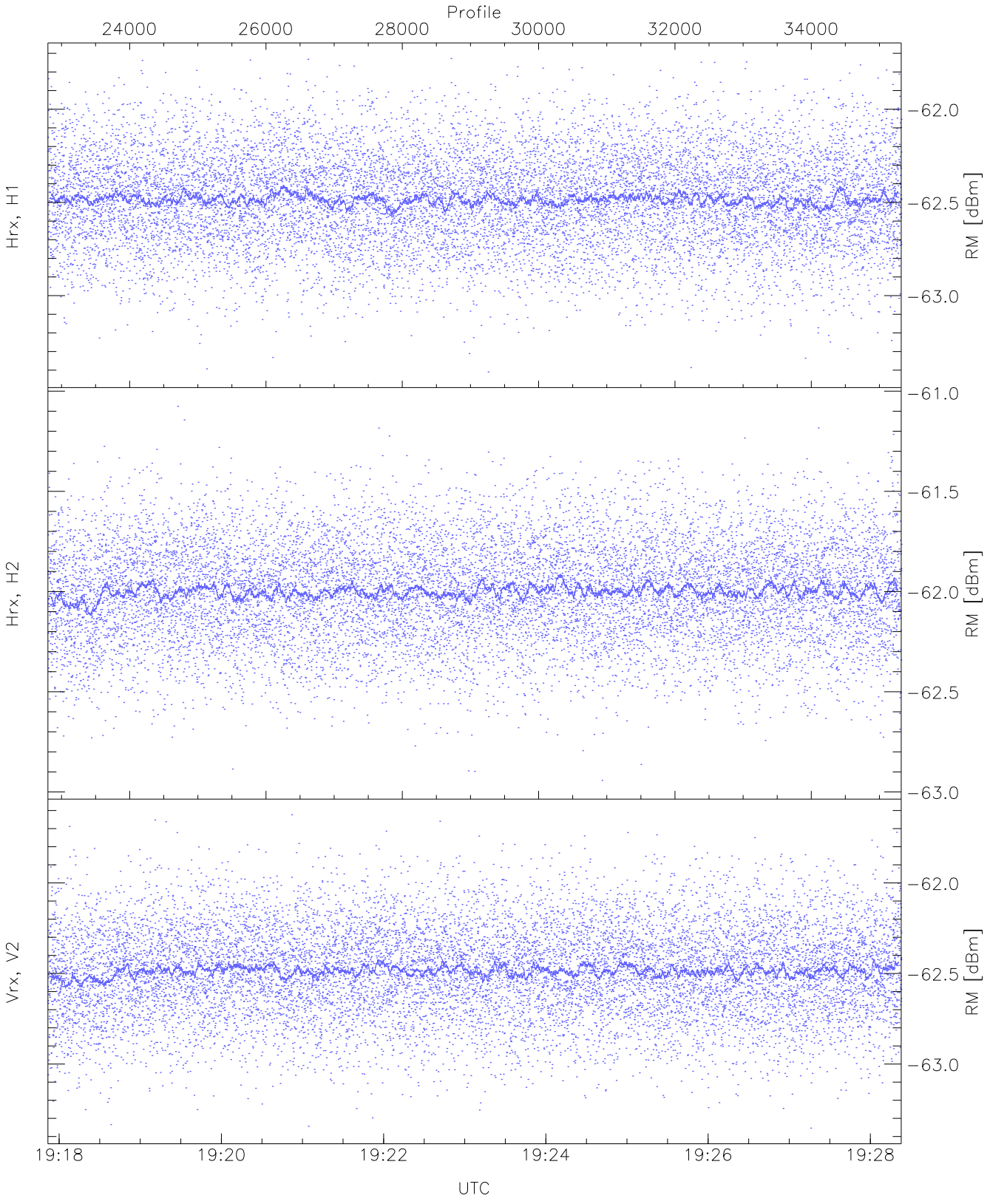
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(WL [dBm])	-62.92	-61.03	-61.98	-61.99	-74.52
Hrx, H2(WL [dBm])	-63.07	-61.17	-61.98	-61.99	-74.55
Vrx, V2(WL [dBm])	-63.52	-61.68	-62.58	-62.58	-75.14



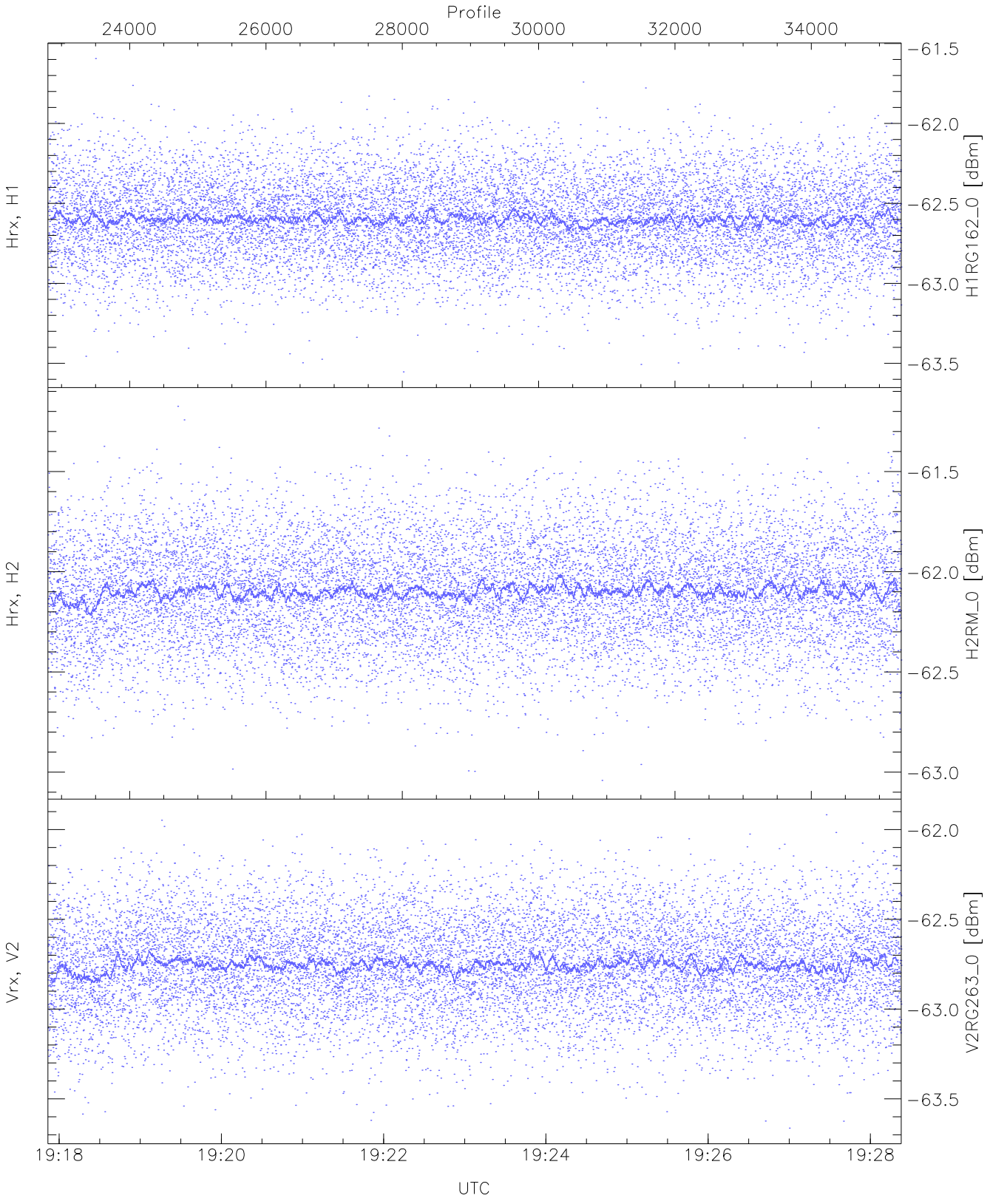
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(HL [dBm])	-62.72	-60.84	-61.76	-61.76	-74.36
Hrx, H2(HL [dBm])	-62.79	-60.89	-61.76	-61.77	-74.33
Vrx, V2(HL [dBm])	-63.42	-61.45	-62.38	-62.38	-74.94



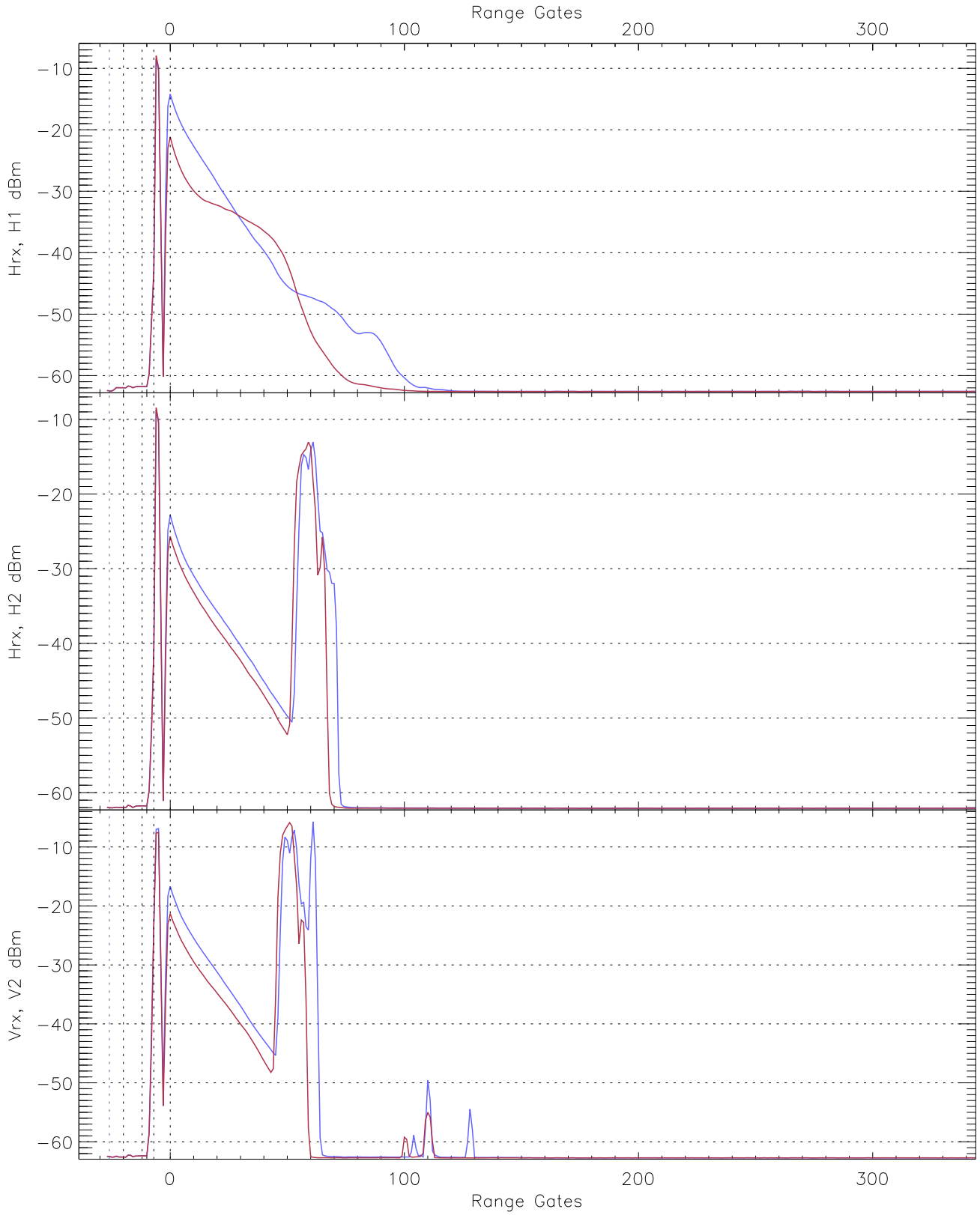
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1(RM [dBm])	-63.41	-61.73	-62.48	-62.48	-75.07
Hrx, H2(RM [dBm])	-62.94	-61.08	-62.00	-62.00	-74.60
Vrx, V2(RM [dBm])	-63.35	-61.62	-62.48	-62.49	-75.02

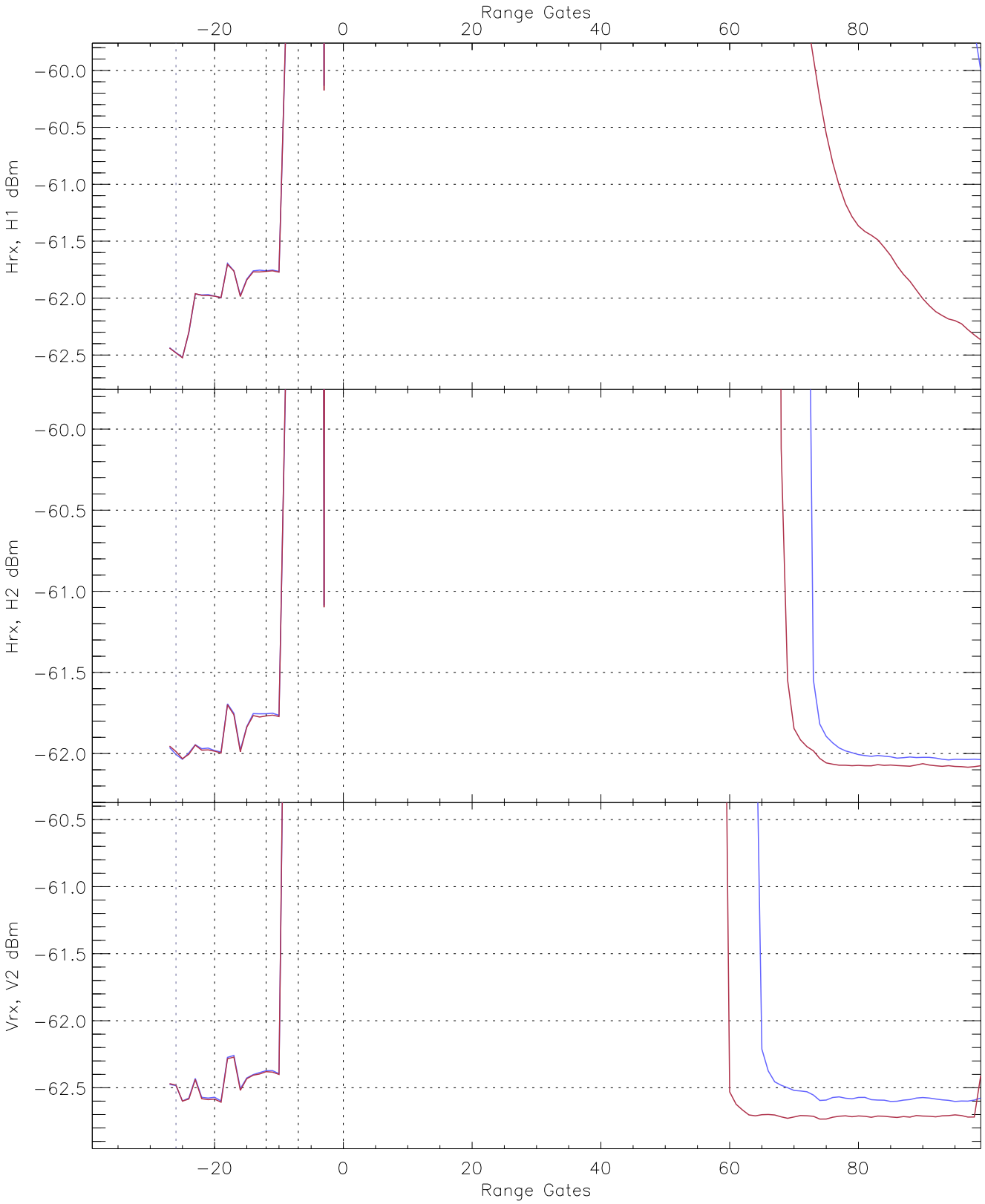


WCR2 CPP "Best" estimate Receivers Noise Power

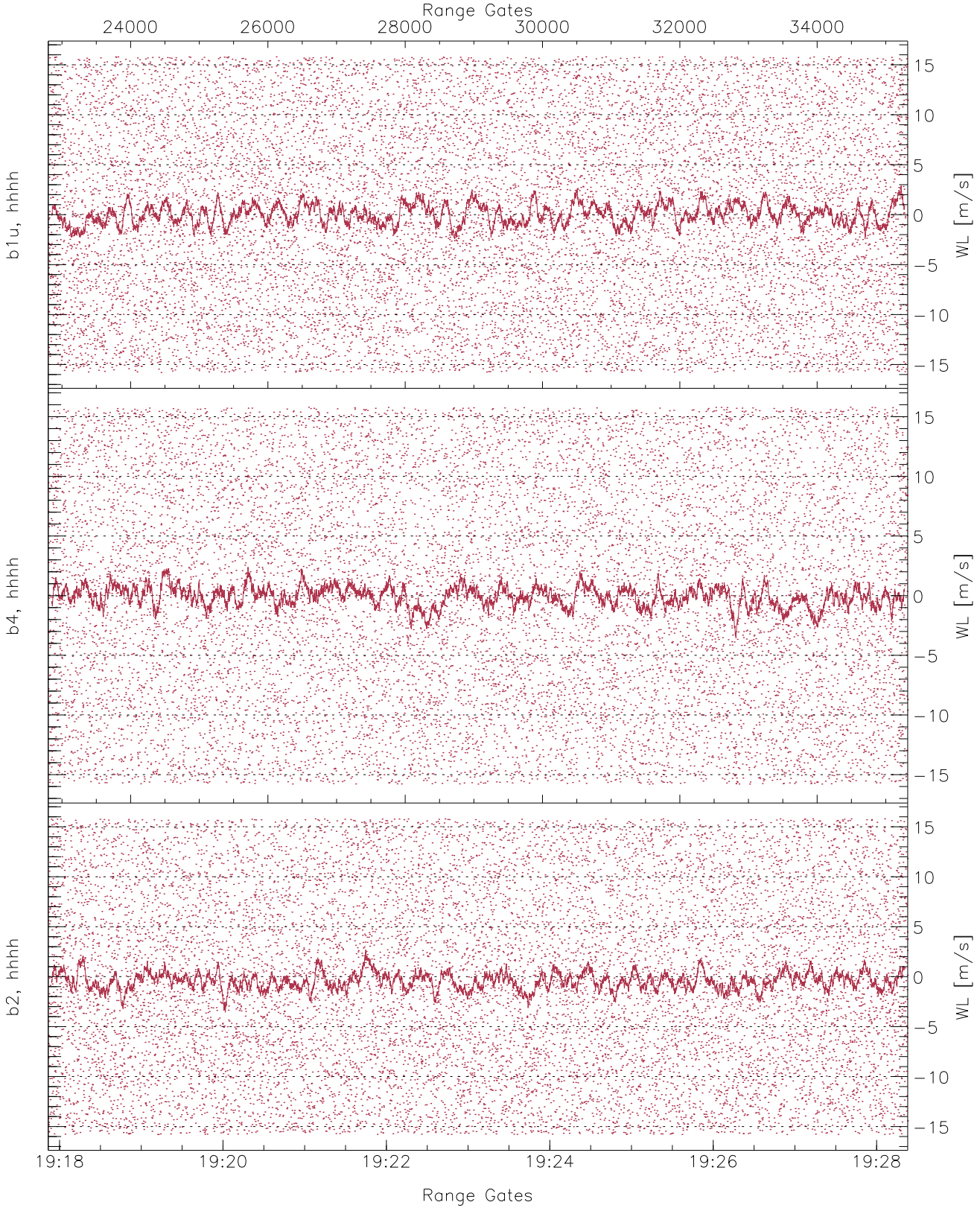
	Min	Max	Mean	Median	StDev
H1RG162_0 [dBm]	-63.55	-61.59	-62.60	-62.60	-75.19
H2RM_0 [dBm]	-63.04	-61.17	-62.10	-62.10	-74.70
V2RG263_0 [dBm]	-63.66	-61.92	-62.75	-62.76	-75.30



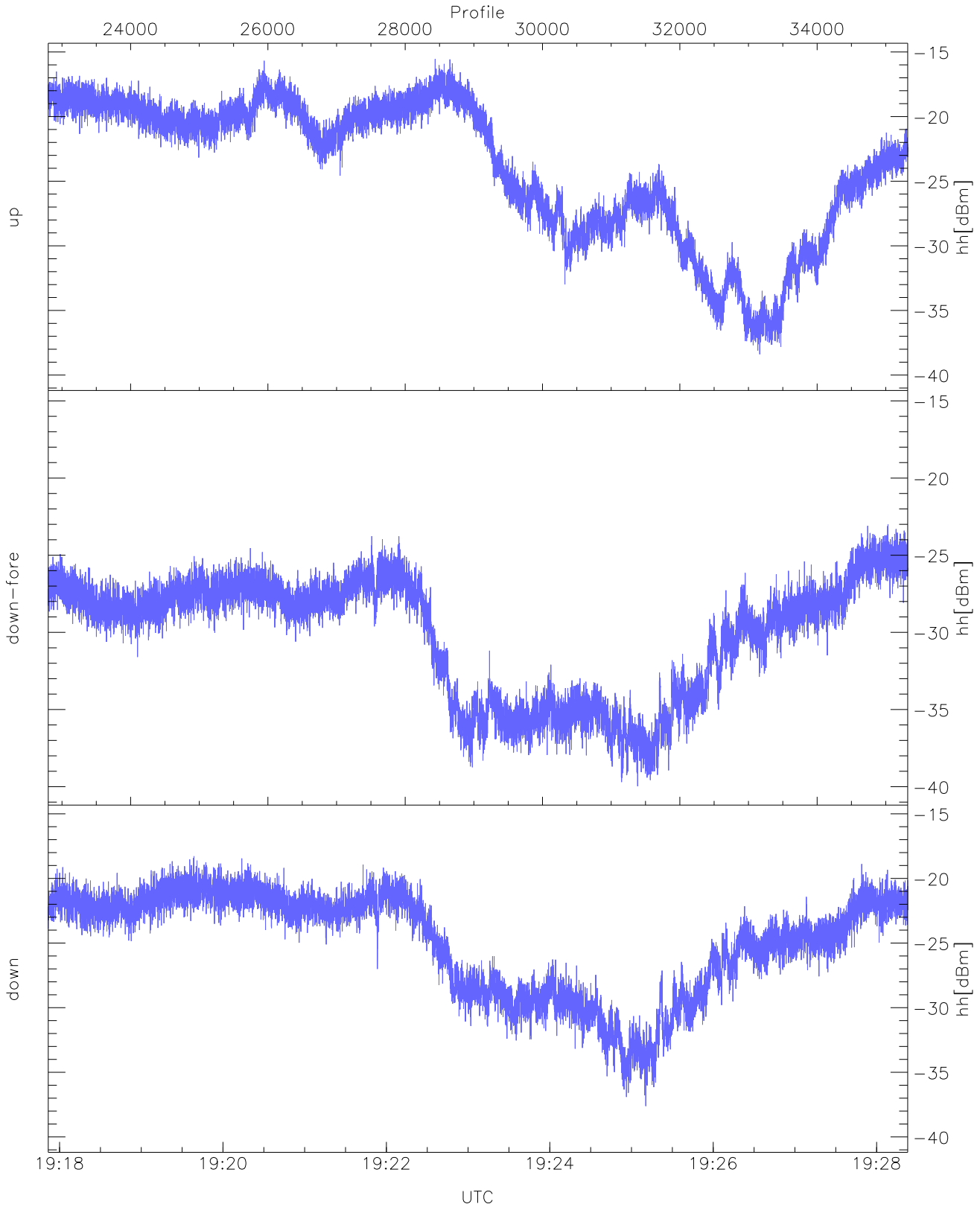
WCR2 CPP Averaged Received power for all recorded gates
blue: 191752-192307, 6261 profiles averaged
red: 192307-192823, 6261 profiles averaged



WCR2 CPP Averaged Received power for the negative gates and up to 100 gate
blue: 191752-192307, 6261 profiles averaged
red: 192307-192823, 6261 profiles averaged

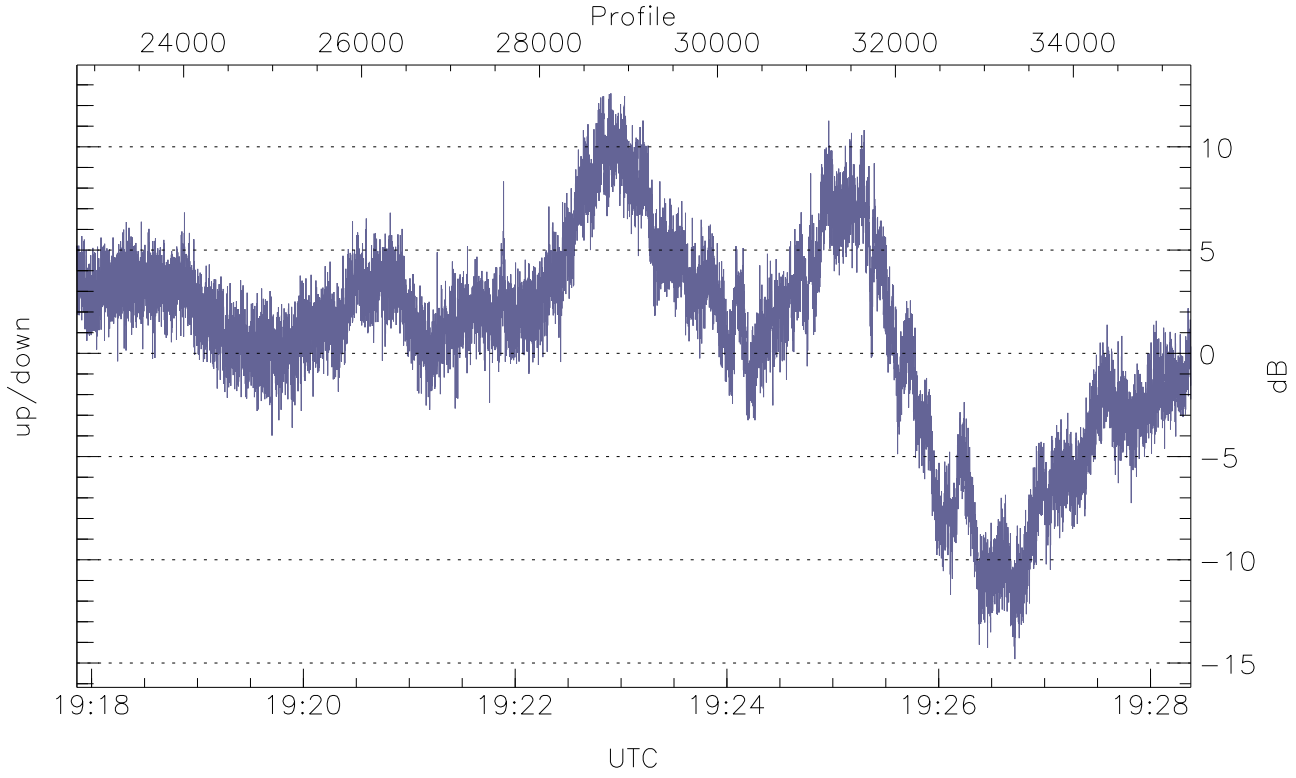


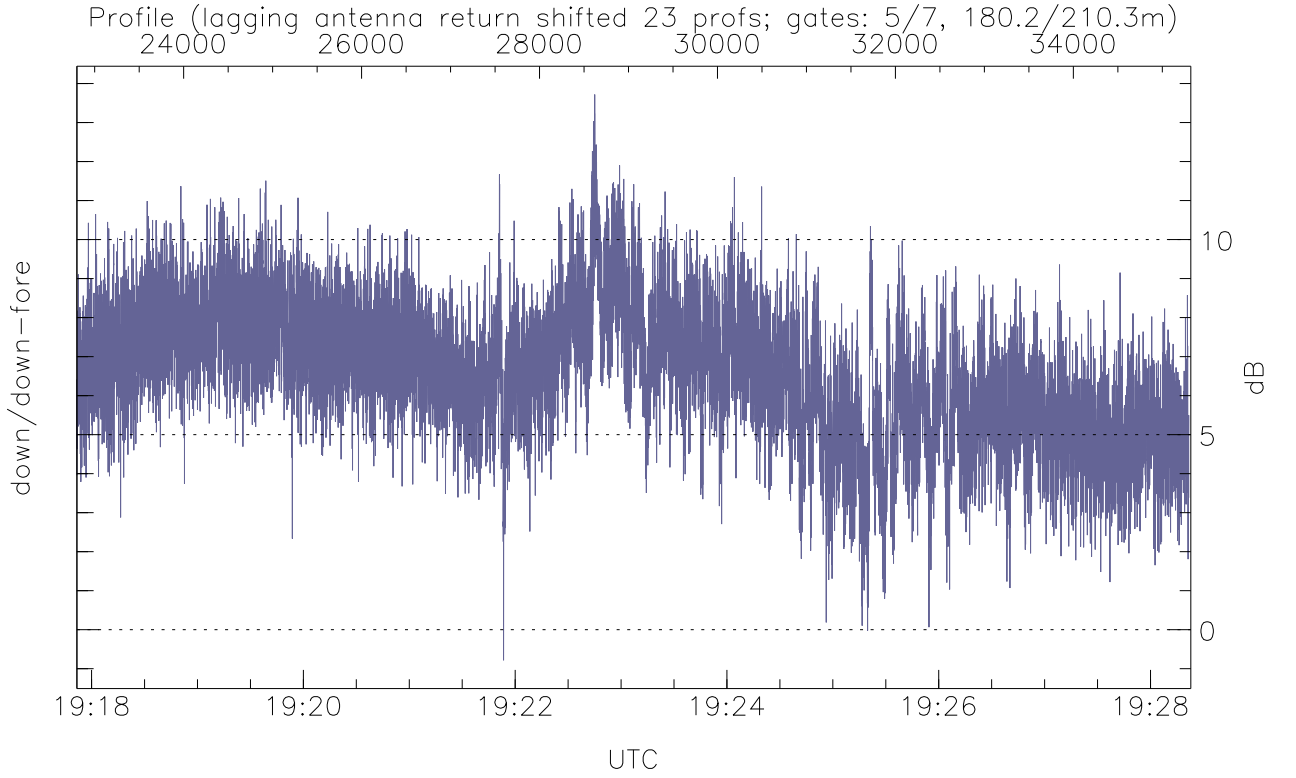
WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

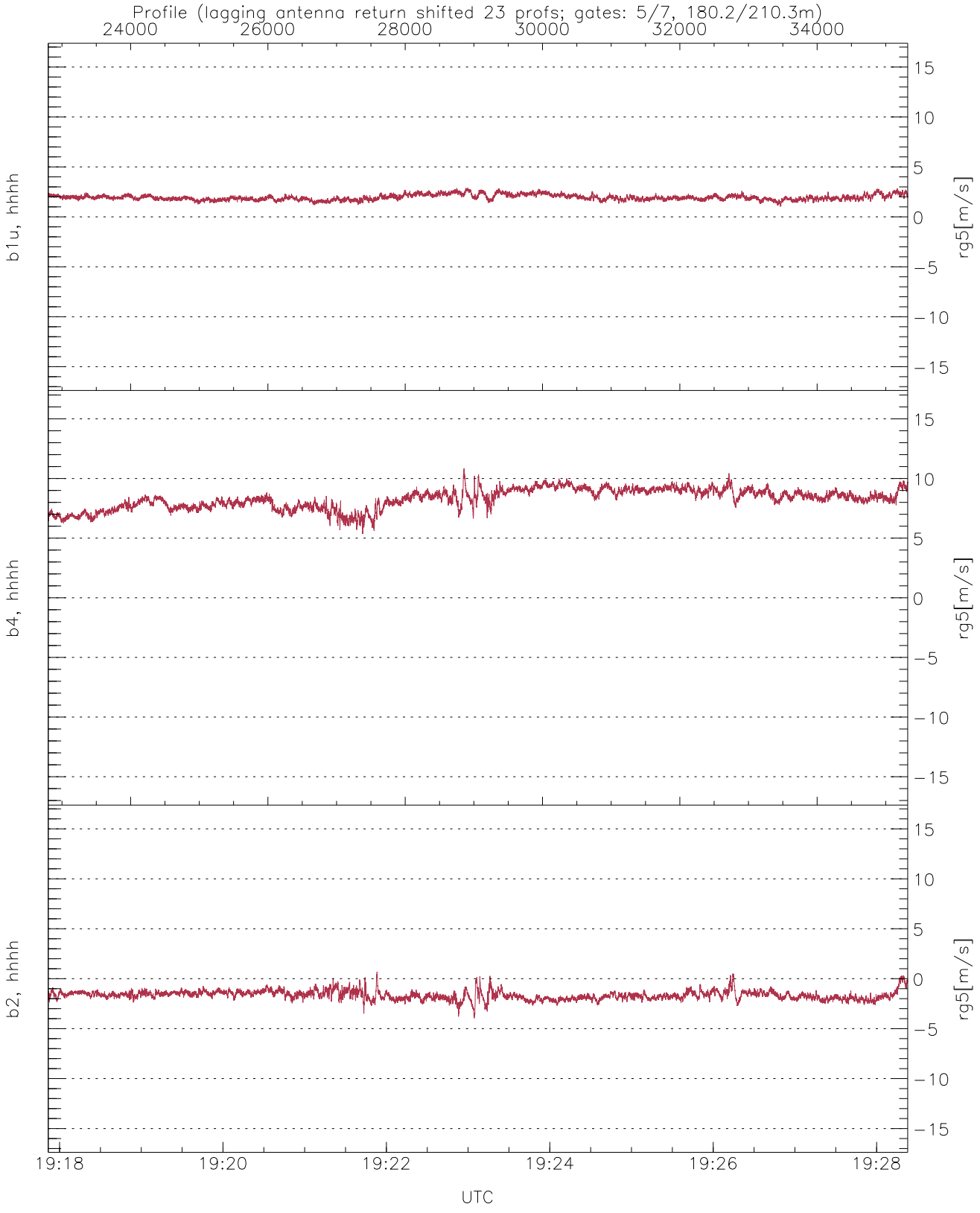
	Min	Max	Mean
up(hh[dBm])	-38.39	-15.55	-21.63
down-fore(hh[dBm])	-39.97	-23.01	-28.79
down(hh[dBm])	-37.62	-18.28	-23.55





WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up/down(dB)	-14.81	12.59	0.94
down/down-fore(dB)	-0.78	13.72	6.59



WCR2 CPP Doppler Velocity Products at 180.2 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	1.03	2.92	1.95	0.28
b4, hhhh(rg5[m/s])	5.36	10.85	8.27	0.83
b2, hhhh(rg5[m/s])	-3.95	0.69	-1.65	0.46