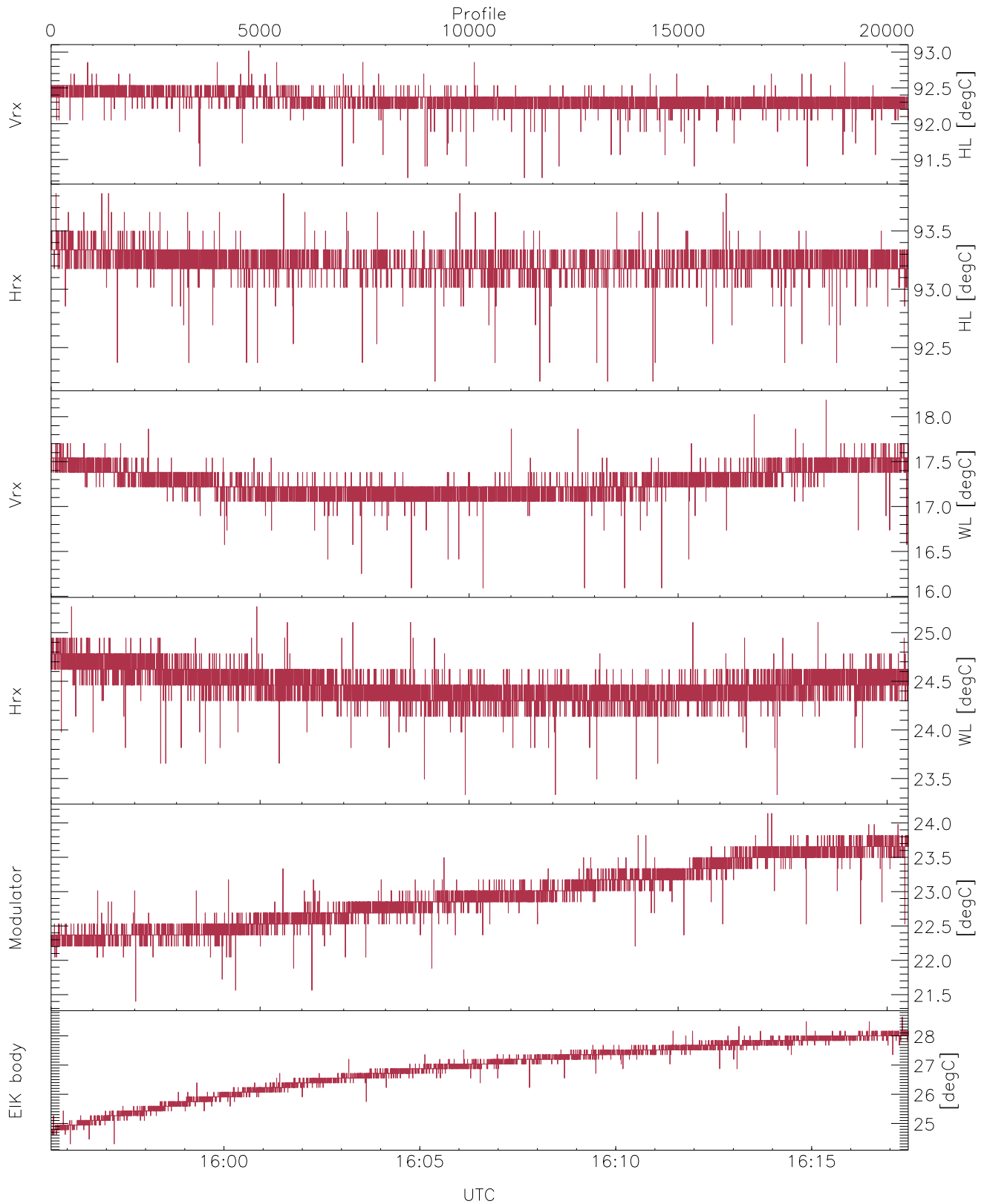


WCR2 CPP Tx Power Monitor, Profile Time Interval, HotLoad/WarmLoad Ratios

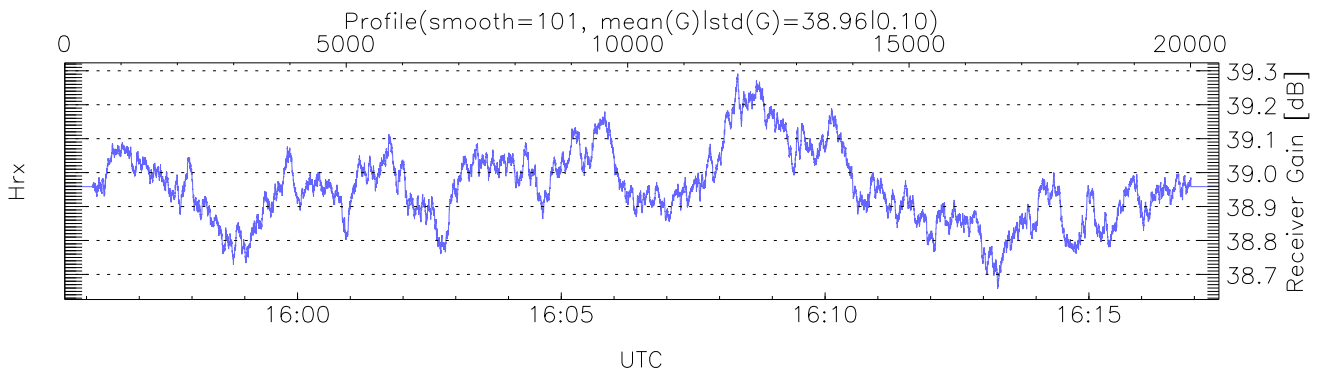
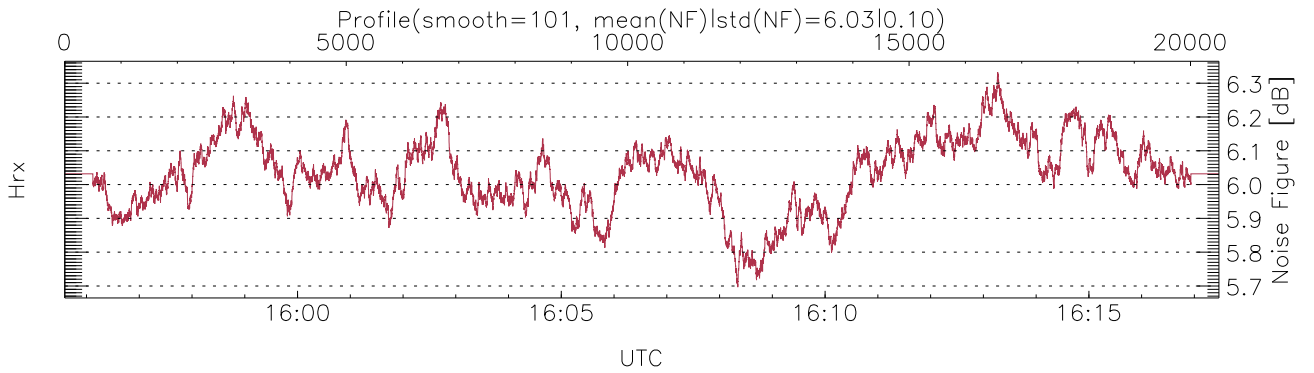
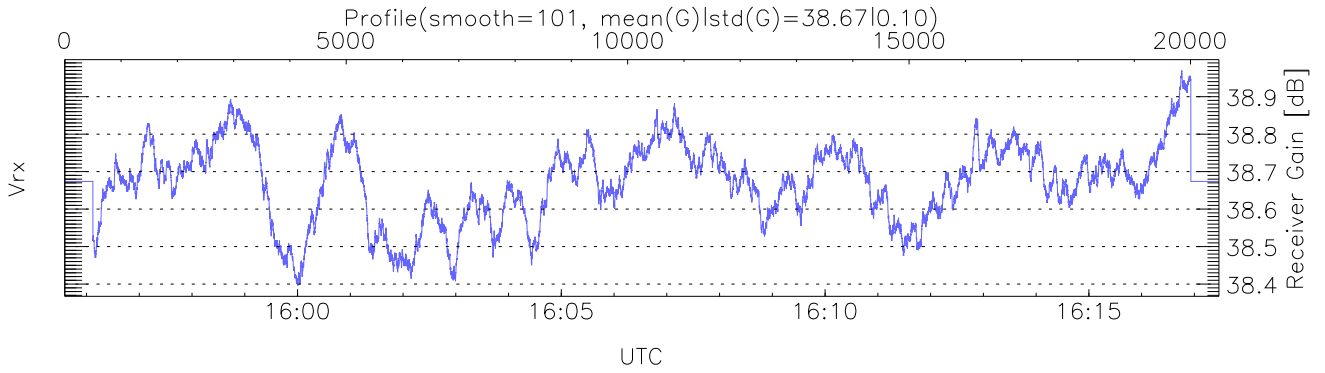
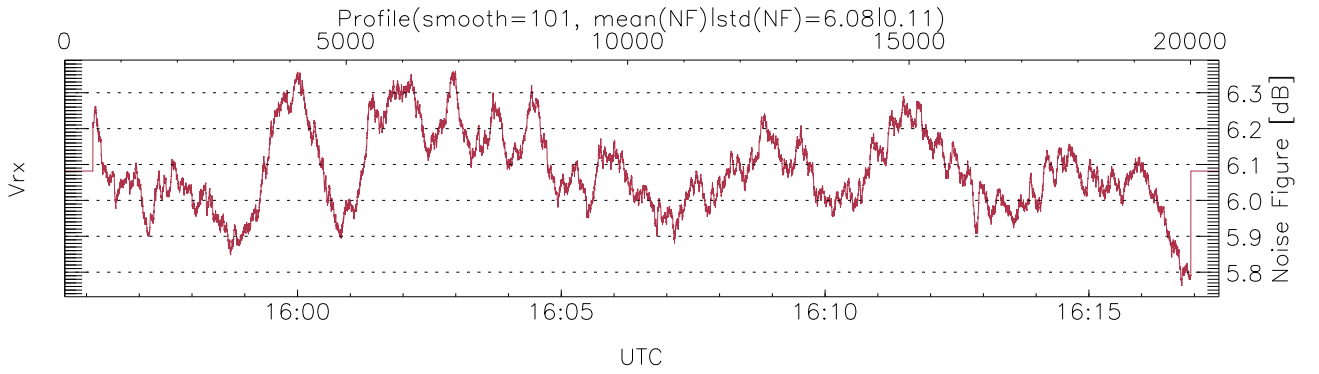
UTC: 15:55:35-16:17:28, Dur: 1312.65s  
 TimeCor: 0.00s, TimeFlg: 1, TFPstatus constant  
 TimeInt/PPS(min,max,mn,std): 64.0,64.0,64.0,0.0 ms / 16,16,16  
 NumRec(r/t): 20506/20506, 0-20505/15:55:35-16:17:28  
 AcqTime: 64.0ms, Rate: 440KB/s, Averages: 160  
 Pulse: 250ns, IFF: 4.0MHz, Tx: H1 H1 V1 V1 H2 H2 V2 V2  
 PRF: 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 KHz, IGS: 50us  
 Range(min,max,rqs): 105,5436,15.0 m, Gates: 356, Aspect: 2.6  
 Mirror(-9|0|1|2,3,9x = no mirror|sidelup|error): 1



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

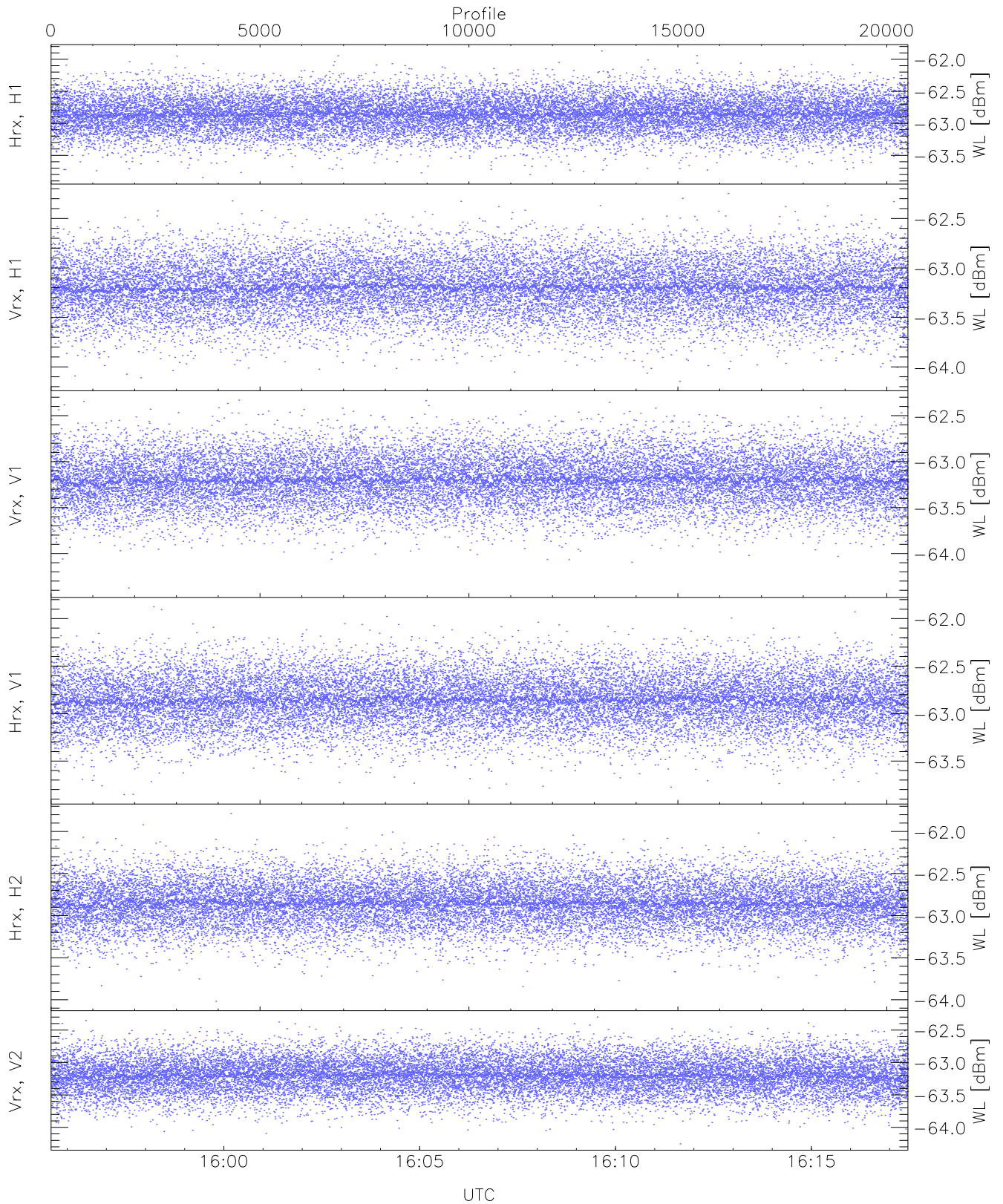
mintempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 91,92,16,23,21,24  
 maxtempC(VrxHL,HrxHL,VrxWL,HrxWL,Mod,EIK): 93,93,18,25,24,28  
 LOalarm(20,80,240,2.8,14.8 MHz): None

EIK Faults(# prof affected):  
 DeckT,CollT,BodyCurr,DeckF,OverDuty,HVPS (25,25,25,25,25,17)



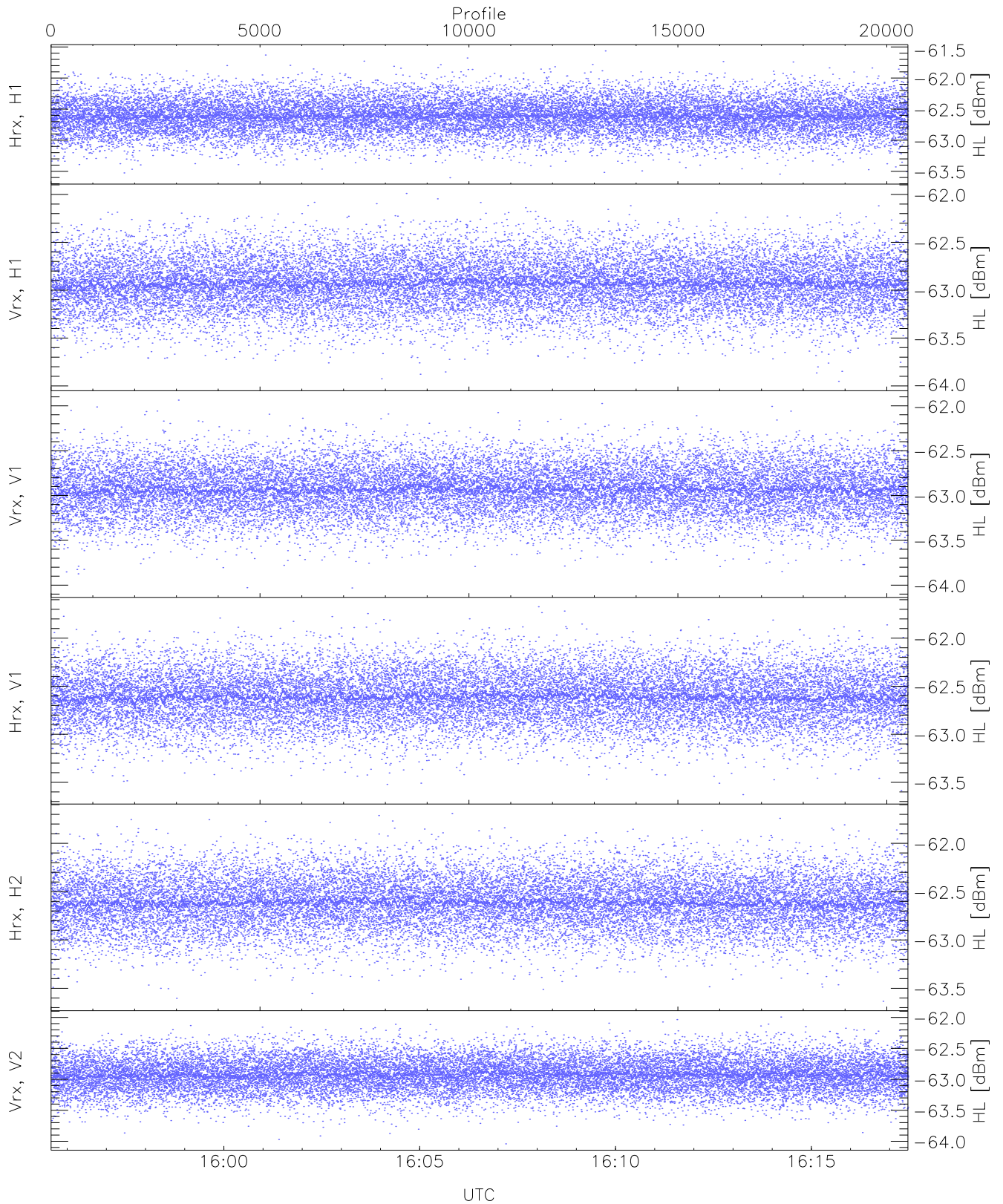
### WCR2 CPP Receivers Gain and Noise Figure

Rx Saturation: 142 pixs, 11 gates, 141 profs, 1 prods



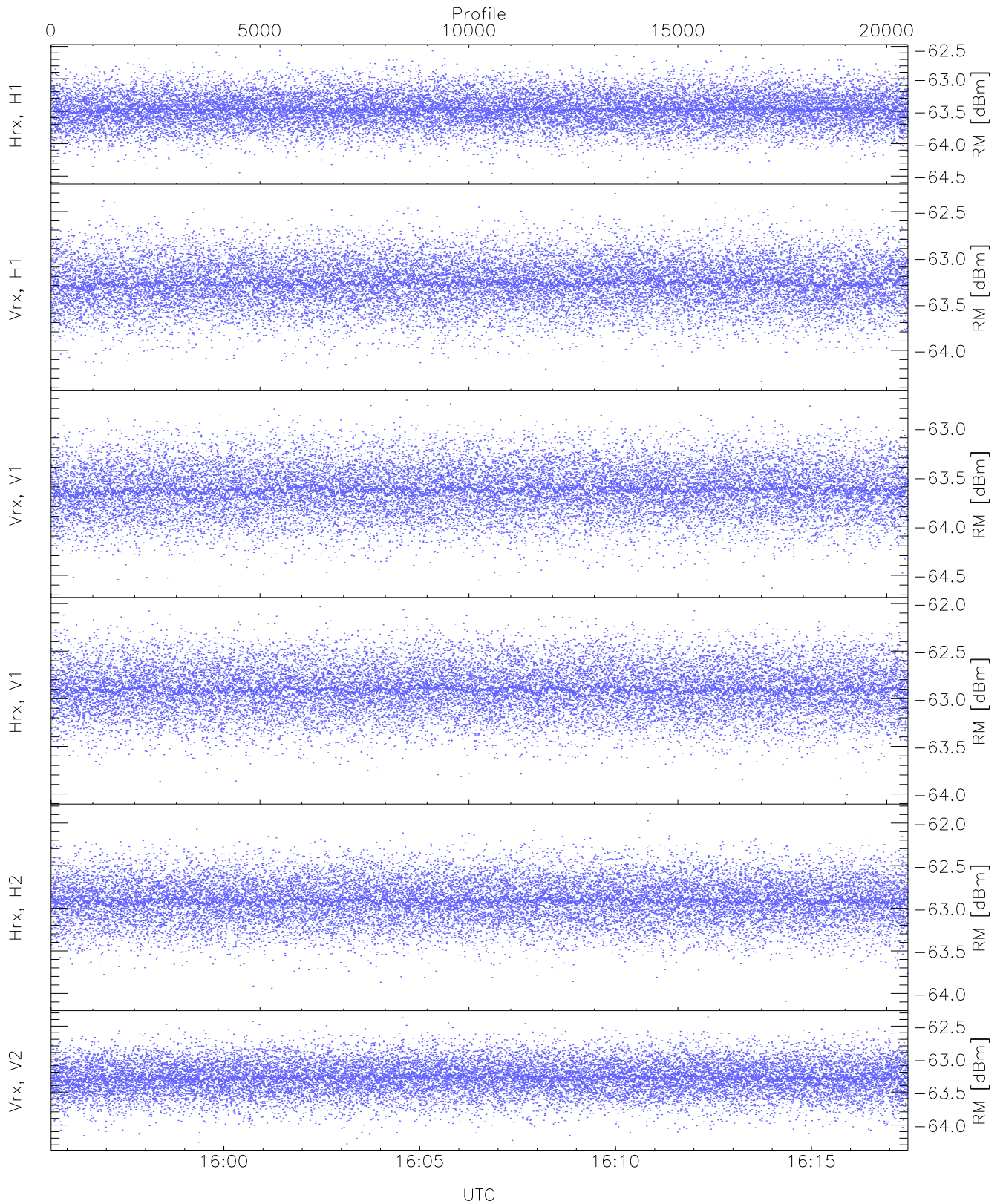
WCR2 CPP Receivers Noise Power from the Warm Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (WL [dBm])	-63.85	-61.87	-62.86	-62.86	-75.29
Vrx, H1 (WL [dBm])	-64.15	-62.25	-63.19	-63.20	-75.63
Vrx, V1 (WL [dBm])	-64.38	-62.33	-63.20	-63.20	-75.65
Hrx, V1 (WL [dBm])	-63.85	-61.88	-62.86	-62.86	-75.30
Hrx, H2 (WL [dBm])	-64.02	-61.79	-62.85	-62.85	-75.35
Vrx, V2 (WL [dBm])	-64.25	-62.30	-63.20	-63.20	-75.64



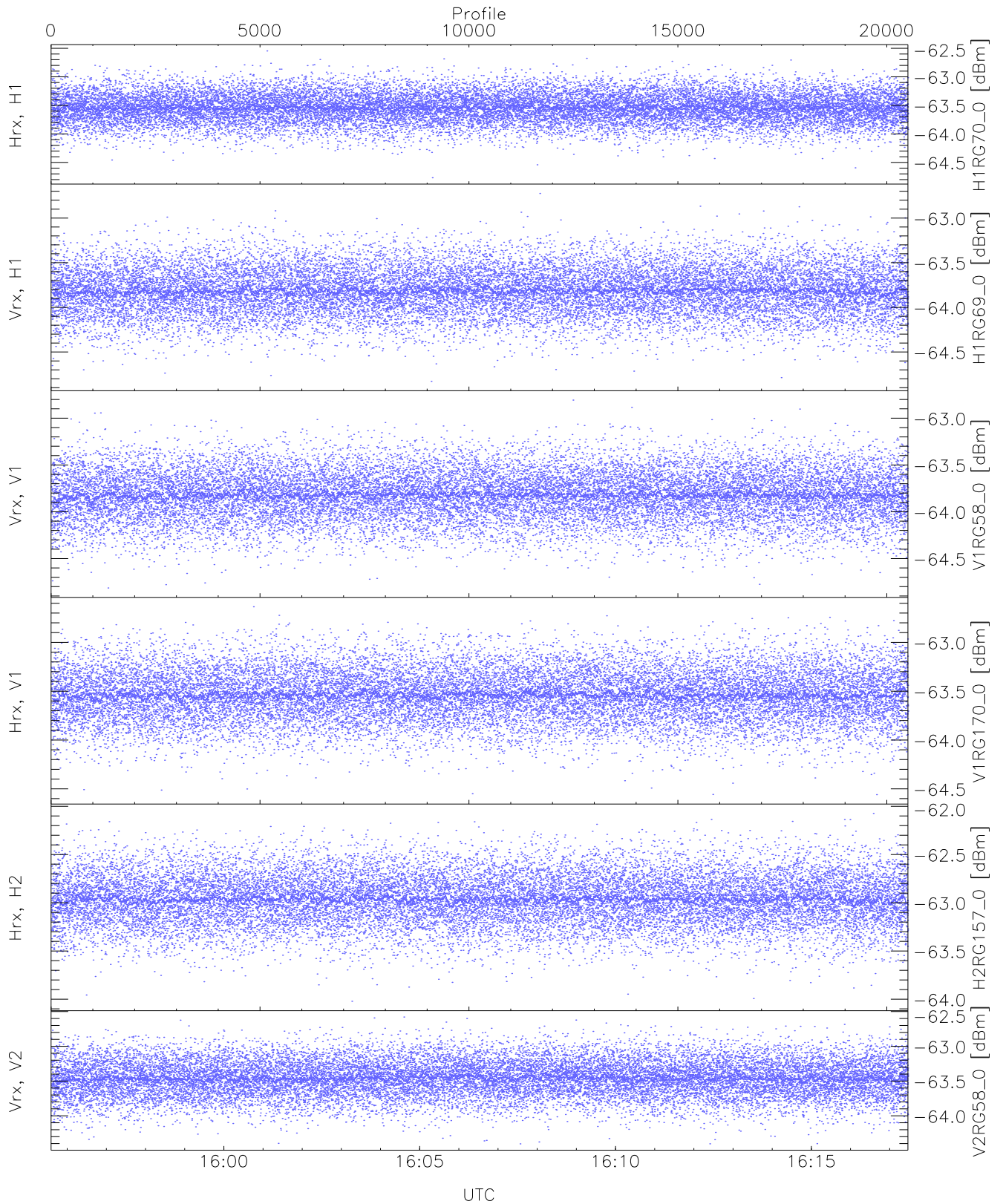
WCR2 CPP Receivers Noise Power from the Hot Loads Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (HL [dBm])	-63.60	-61.56	-62.61	-62.61	-75.05
Vrx, H1 (HL [dBm])	-63.95	-61.99	-62.93	-62.93	-75.36
Vrx, V1 (HL [dBm])	-64.03	-61.94	-62.93	-62.93	-75.34
Hrx, V1 (HL [dBm])	-63.63	-61.67	-62.61	-62.61	-75.08
Hrx, H2 (HL [dBm])	-63.63	-61.69	-62.61	-62.61	-75.10
Vrx, V2 (HL [dBm])	-64.04	-61.99	-62.92	-62.93	-75.37



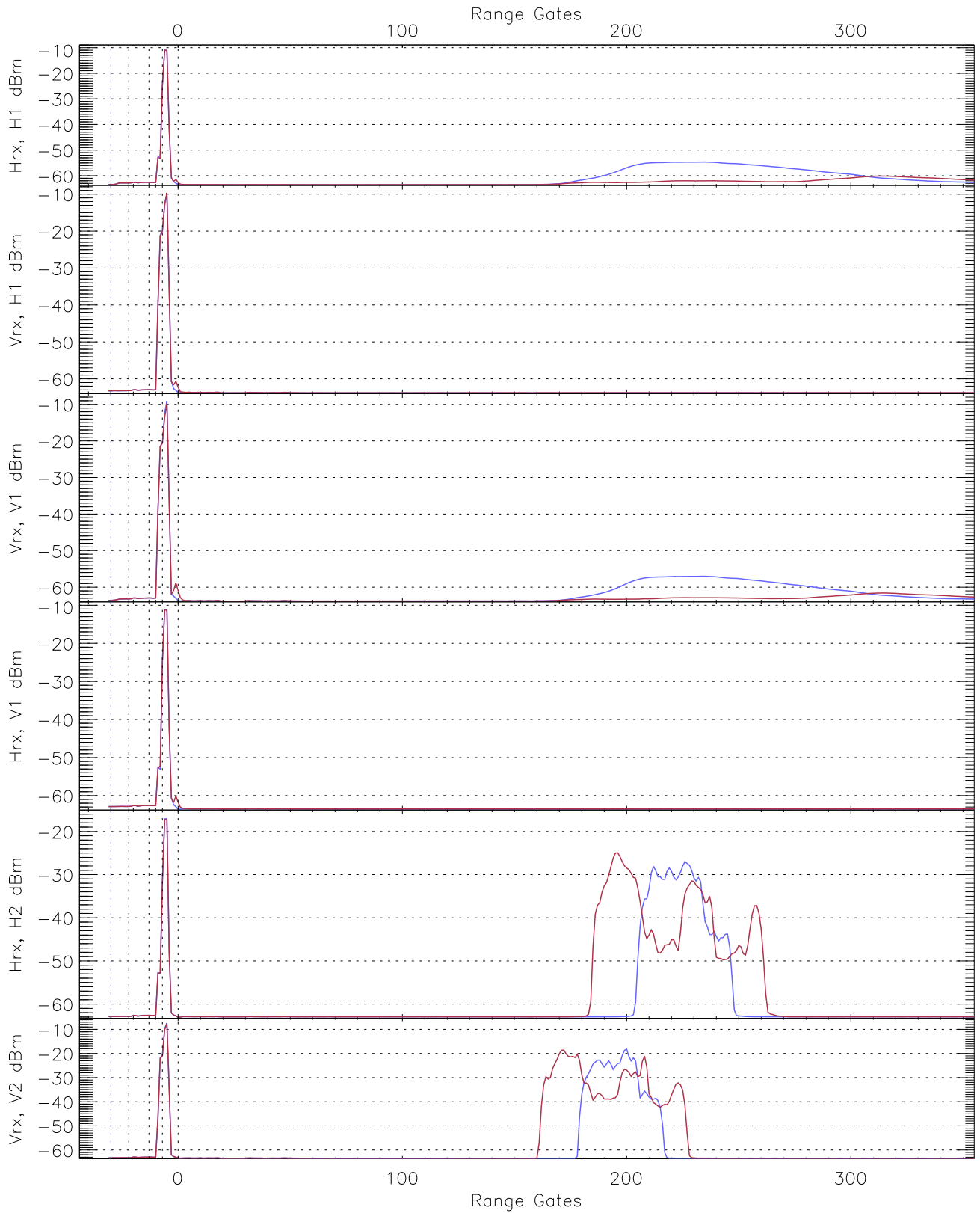
WCR2 CPP Receivers Noise Power from the Sky/RM Measurements

	Min	Max	Mean	Median	StDev
Hrx, H1 (RM [dBm])	-64.53	-62.57	-63.47	-63.48	-75.90
Vrx, H1 (RM [dBm])	-64.34	-62.30	-63.27	-63.28	-75.71
Vrx, V1 (RM [dBm])	-64.63	-62.72	-63.63	-63.63	-76.07
Hrx, V1 (RM [dBm])	-64.01	-62.03	-62.90	-62.90	-75.33
Hrx, H2 (RM [dBm])	-64.09	-61.89	-62.91	-62.91	-75.36
Vrx, V2 (RM [dBm])	-64.29	-62.36	-63.28	-63.29	-75.73



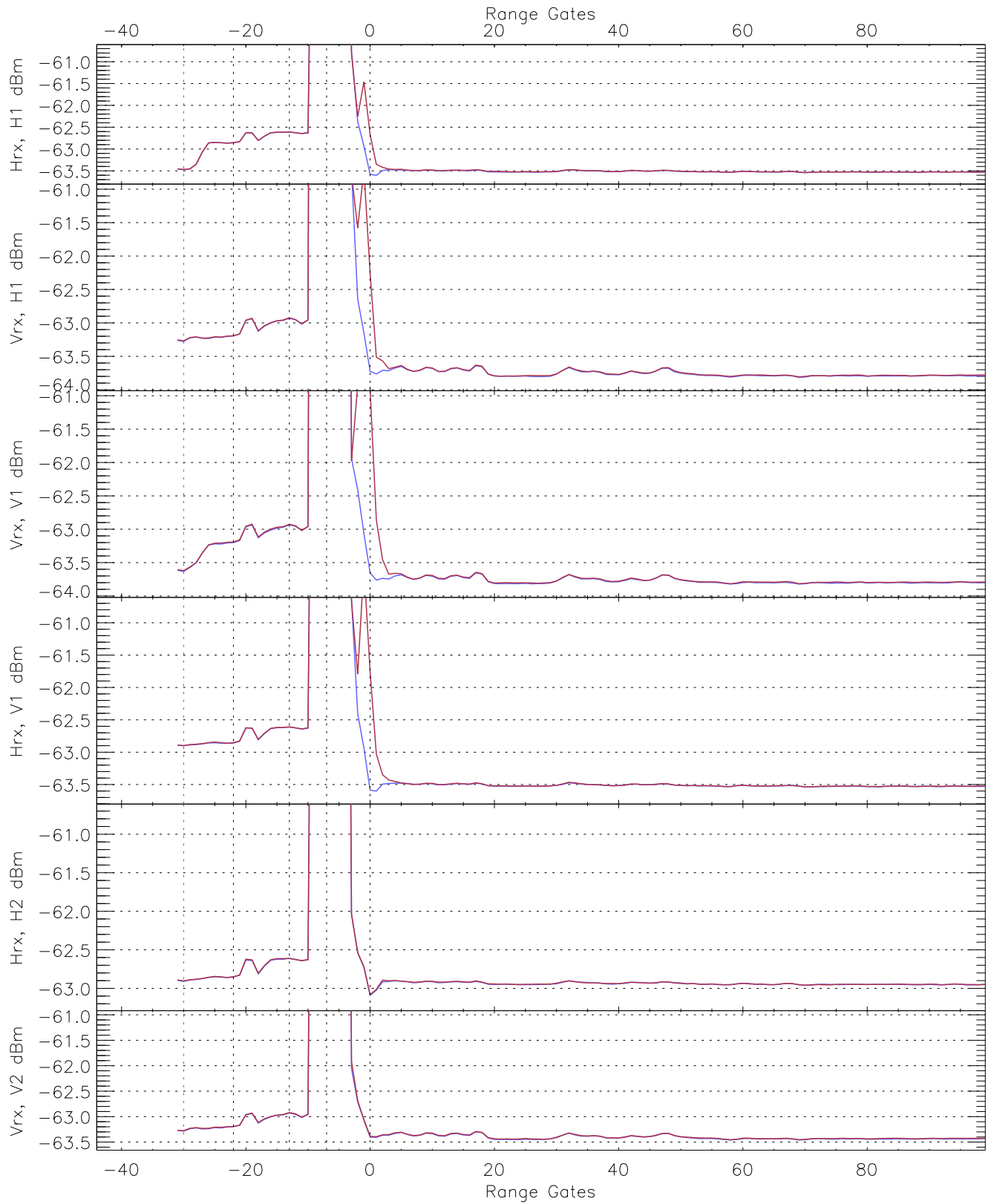
WCR2 CPP "Best" estimate Receivers Noise Power

	Min	Max	Mean	Median	StDev
H1RG70_0 [dBm]	-64.77	-62.55	-63.54	-63.55	-75.99
H1RG69_0 [dBm]	-64.83	-62.72	-63.81	-63.82	-76.22
V1RG58_0 [dBm]	-64.81	-62.81	-63.82	-63.82	-76.24
V1RG170_0 [dBm]	-64.56	-62.64	-63.54	-63.54	-75.97
H2RG157_0 [dBm]	-64.02	-62.07	-62.96	-62.97	-75.39
V2RG58_0 [dBm]	-64.40	-62.58	-63.46	-63.46	-75.91

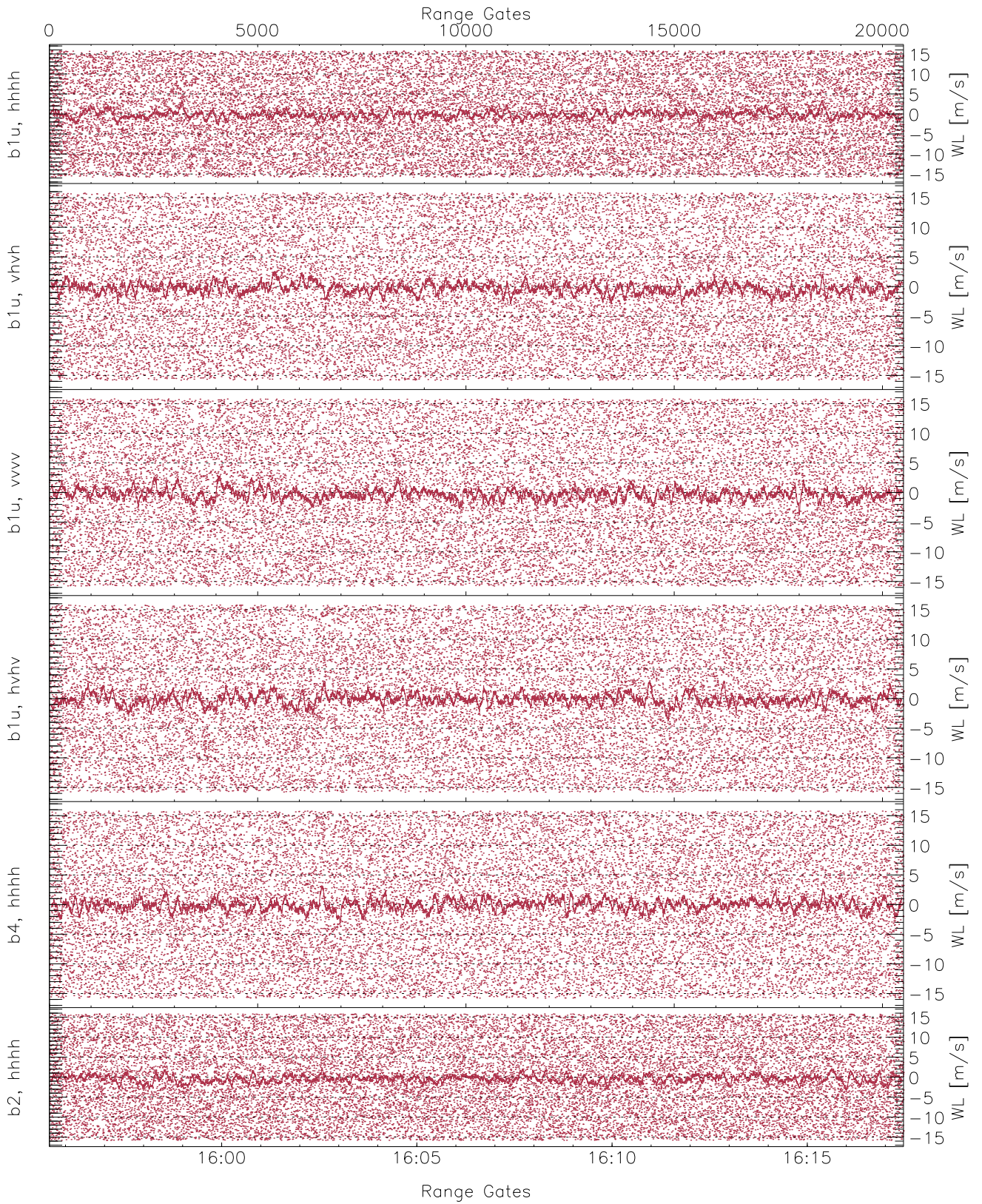


WCR2 CPP Averaged Received power for all recorded gates  
blue: 155535-160632, 10254 profiles averaged  
red: 160632-161728, 10253 profiles averaged

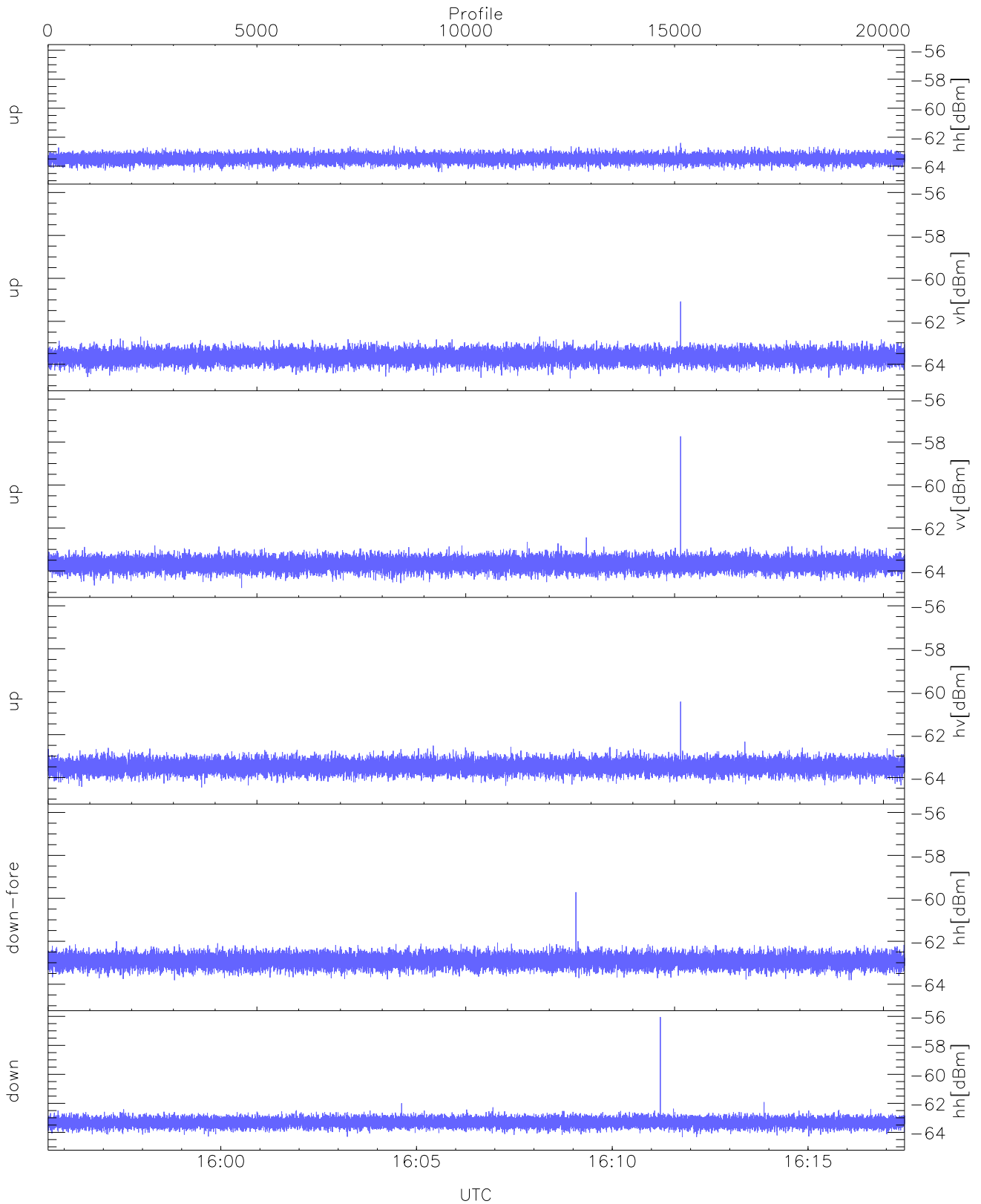




WCR2 CPP Averaged Received power for the negative gates and up to 100 gates  
blue: 155535-160632, 10254 profiles averaged  
red: 160632-161728, 10253 profiles averaged

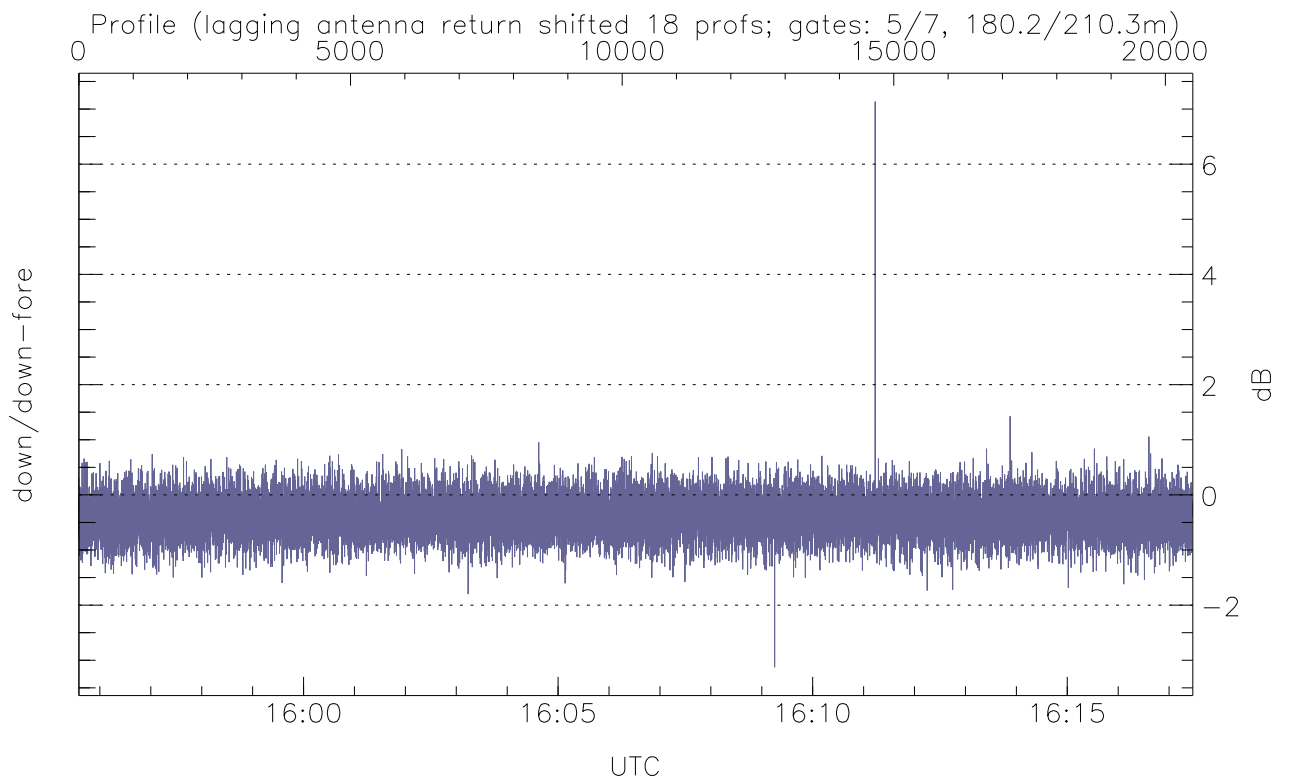
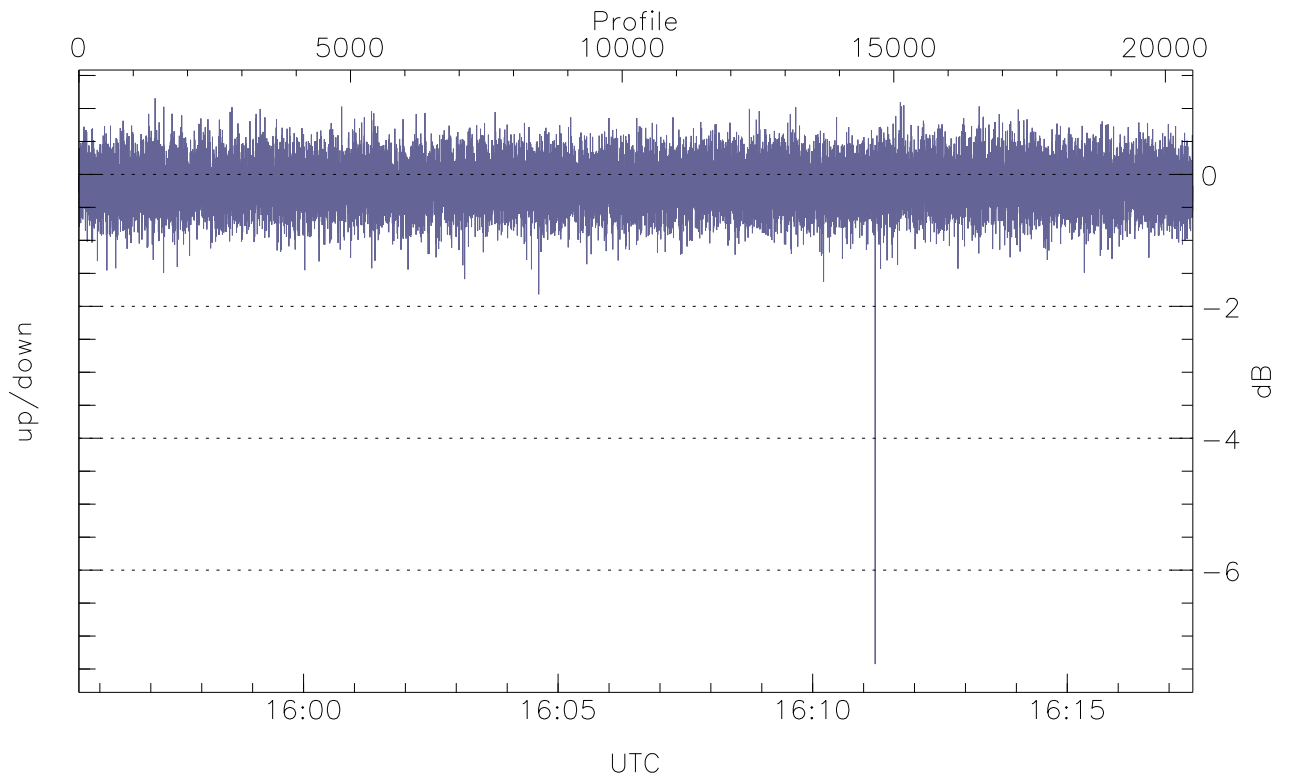


WCR2 CPP Receivers Phase Noise (in m/s) from the Warm Loads Measurements



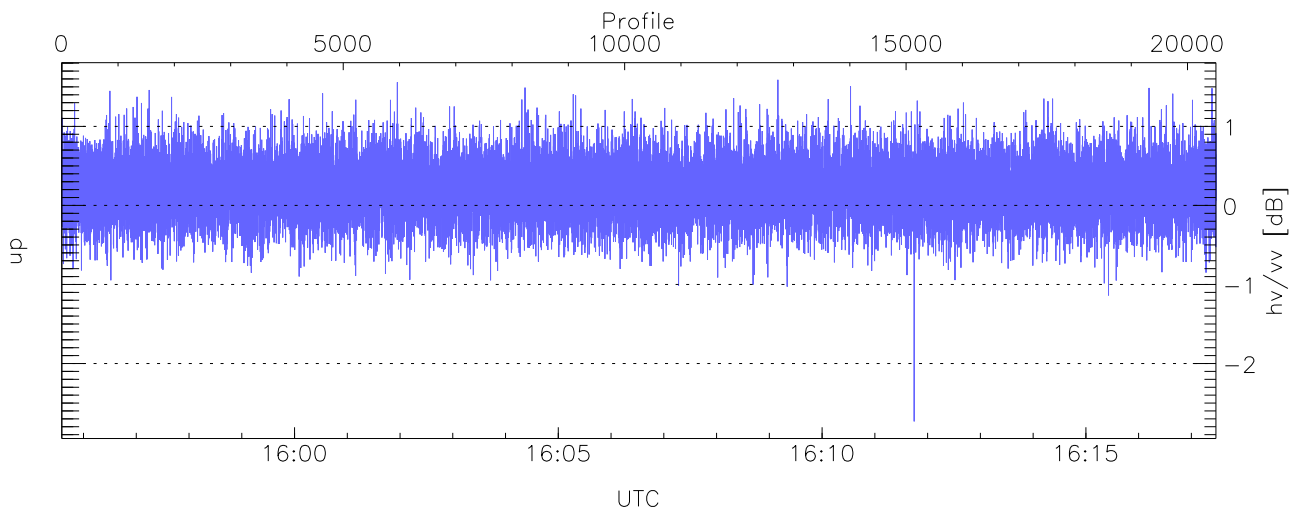
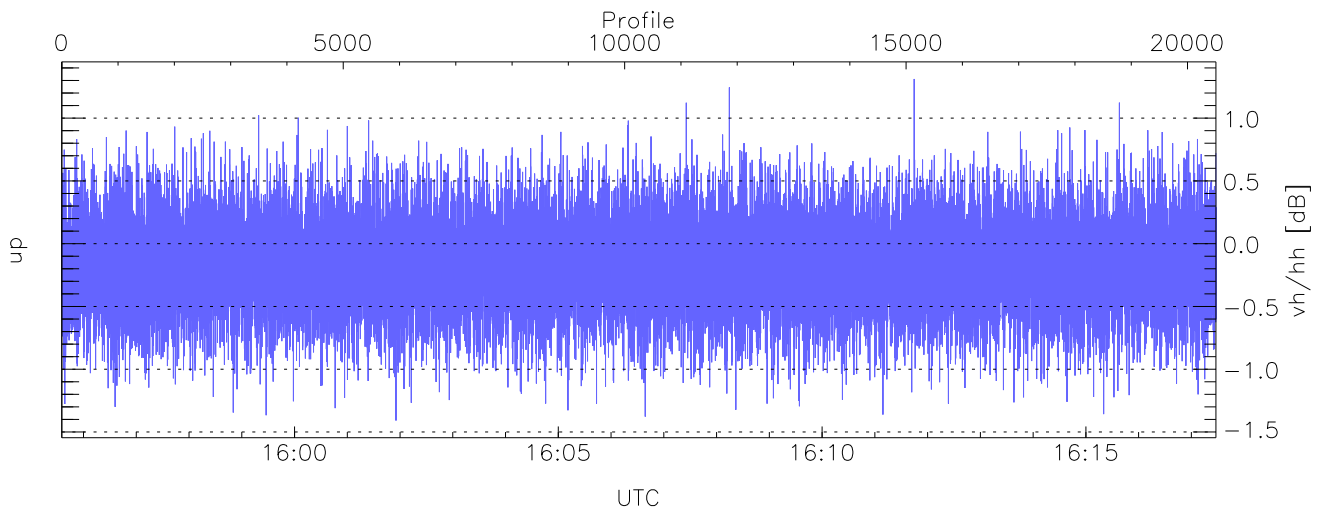
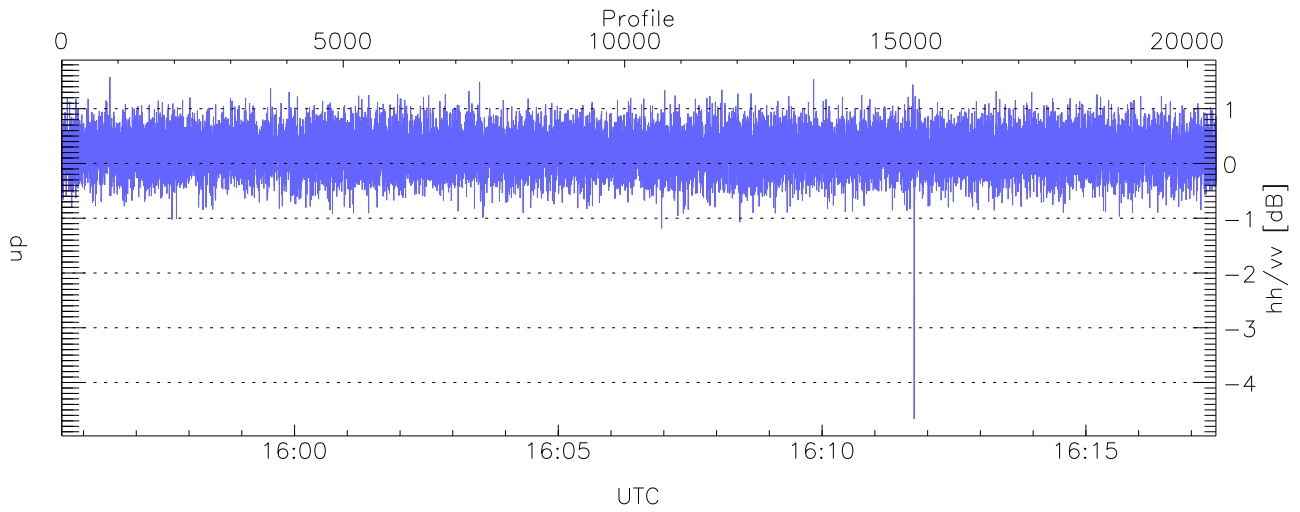
WCR2 CPP Received Power Products for Range gate 5 (180.2 m)

	Min	Max	Mean
up(hh[dBm])	-64.43	-62.39	-63.47
up(vh[dBm])	-64.66	-61.08	-63.64
up(vv[dBm])	-64.80	-57.73	-63.68
up(hv[dBm])	-64.46	-60.46	-63.48
down-fore(hh[dBm])	-63.81	-59.71	-62.91
down(hh[dBm])	-64.32	-56.05	-63.31



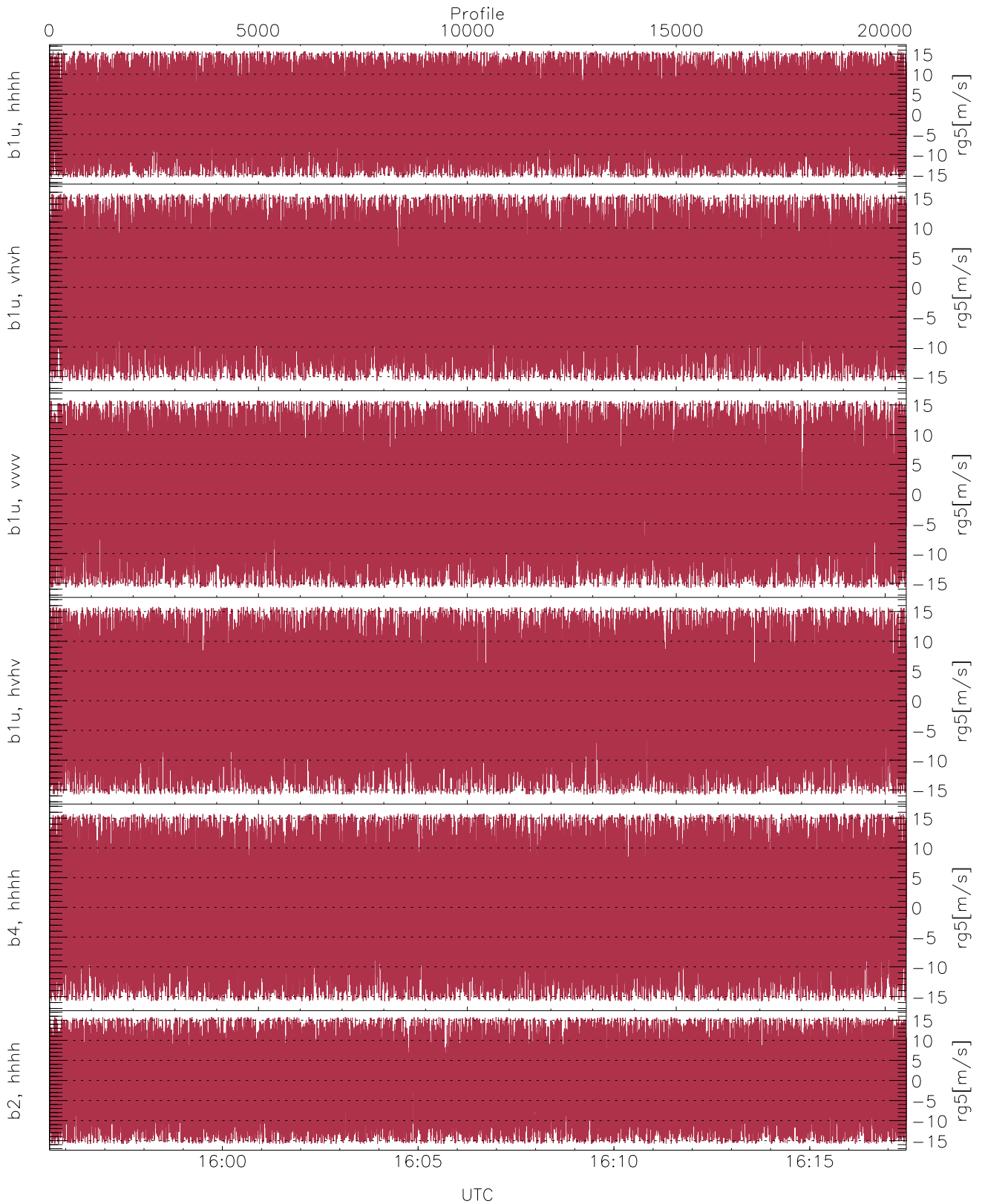
WCR2 Beam pairs Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up/down (dB)	-7.42	1.15	-0.16
down/down-fore (dB)	-3.13	7.14	-0.38



WCR2 Co- and Cross-pol Received Power Ratio(s); RangeGate: 5 (180 m)

	Min	Max	Mean
up(hh/vv [dB])	-4.66	1.58	0.22
up(vh/hh [dB])	-1.41	1.31	-0.16
up(hv/vv [dB])	-2.73	1.59	0.21



WCR2 CPP Doppler Velocity Products at 180.2 m range

	Min	Max	Mean	StDev
b1u, hhhh(rg5[m/s])	-15.80	15.80	-0.21	9.01
b1u, vvhv(rg5[m/s])	-15.80	15.80	-0.45	8.92
b1u, vvvv(rg5[m/s])	-15.80	15.79	-0.58	9.06
b1u, hvhv(rg5[m/s])	-15.80	15.80	-0.20	9.12
b4, hhhh(rg5[m/s])	-15.79	15.79	-0.22	9.11
b2, hhhh(rg5[m/s])	-15.80	15.80	-0.49	8.99