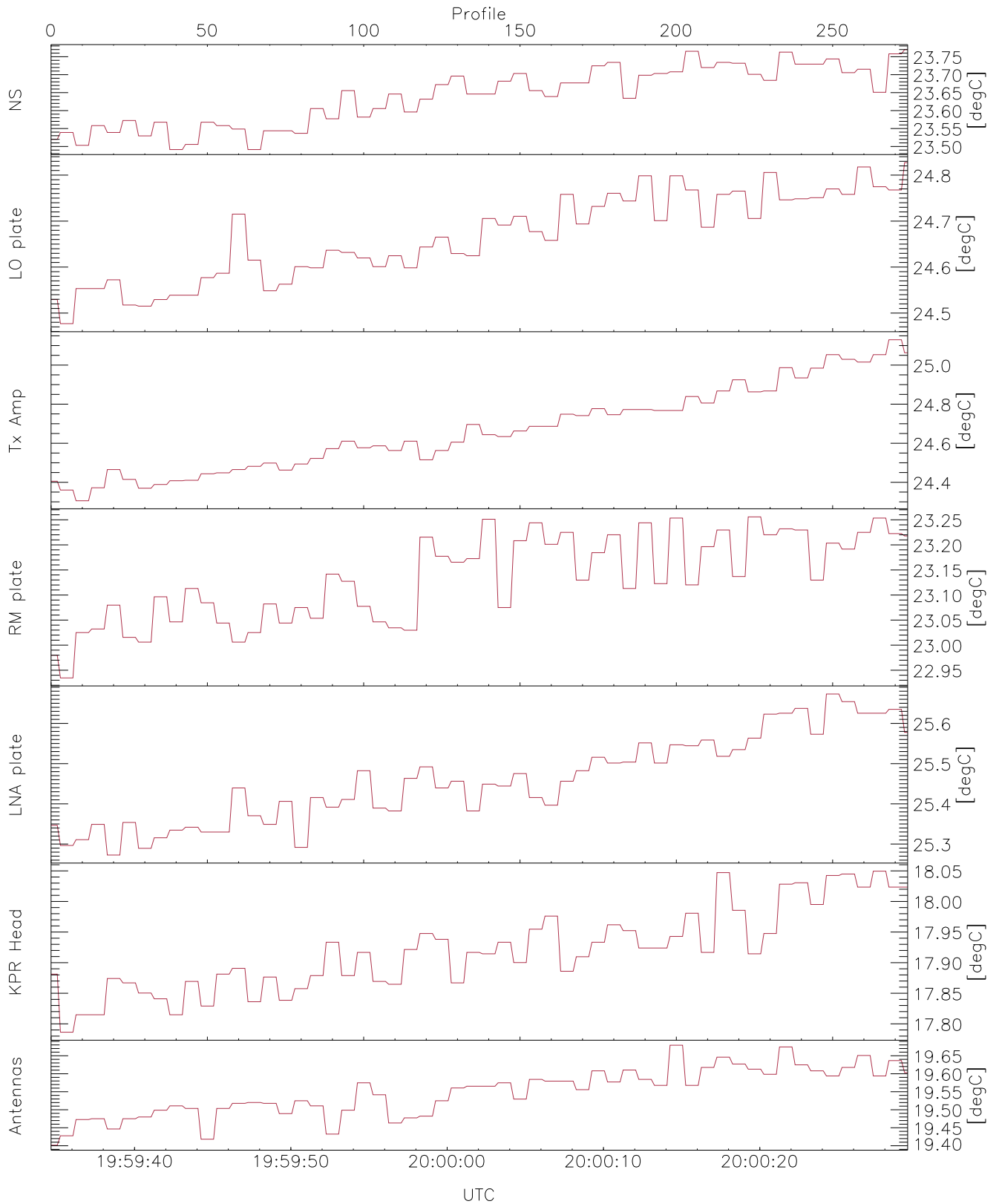


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 19:59:35-20:00:29, TimeCor: 0.00s, Dur: 54.80s
 TimeInt(min,max,mn,std): 199.9,200.1,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 275/275, 0-274/19:59:35-20:00:29
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 95.1 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, avrgPulses: 4000, avrgPP: 3999
 NyquistVel: 42.1 m/s, RangeRes:30.0 m
 Pulse Range(min,max): 120, 6506 m, Gates: 427
 Chirp Range(min,max): 536, 6487 m, Gates: 398
 RangeGateSampling: 15.0 m, Aspect: 0.8

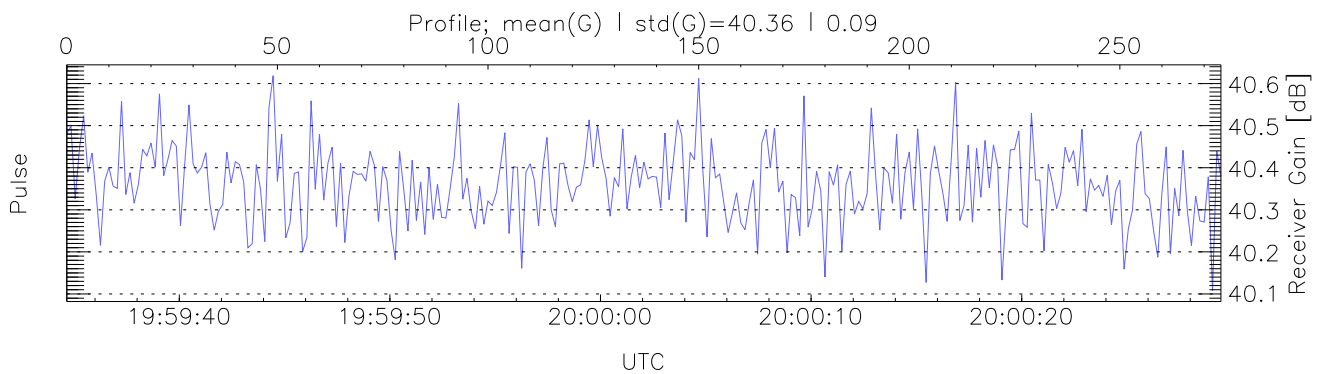
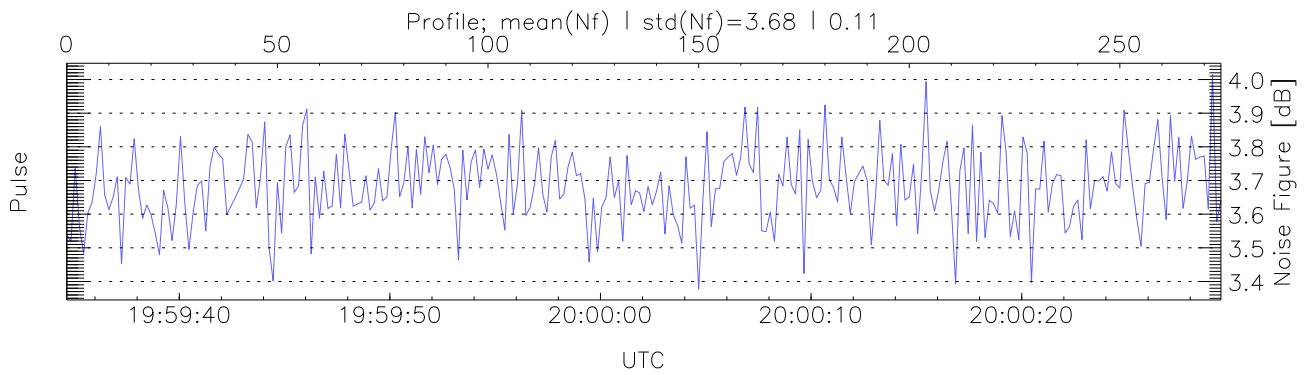
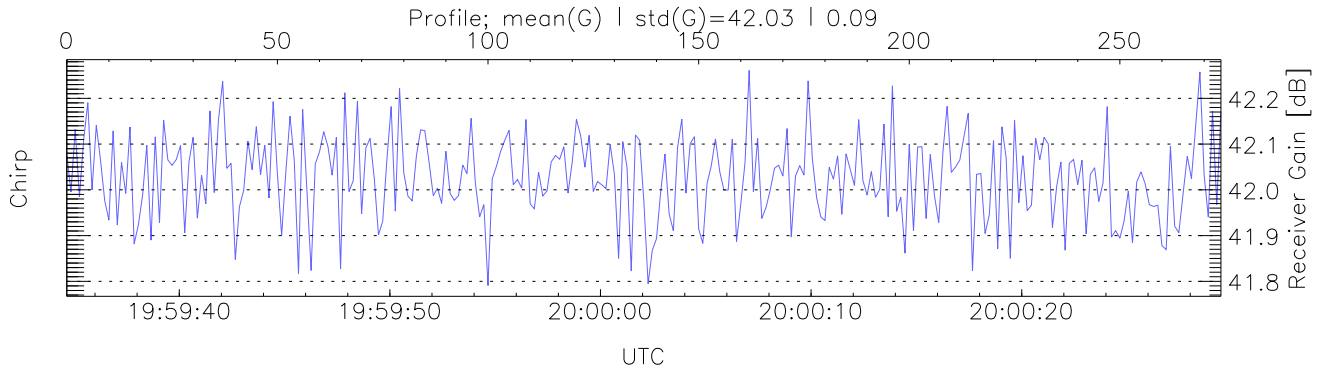
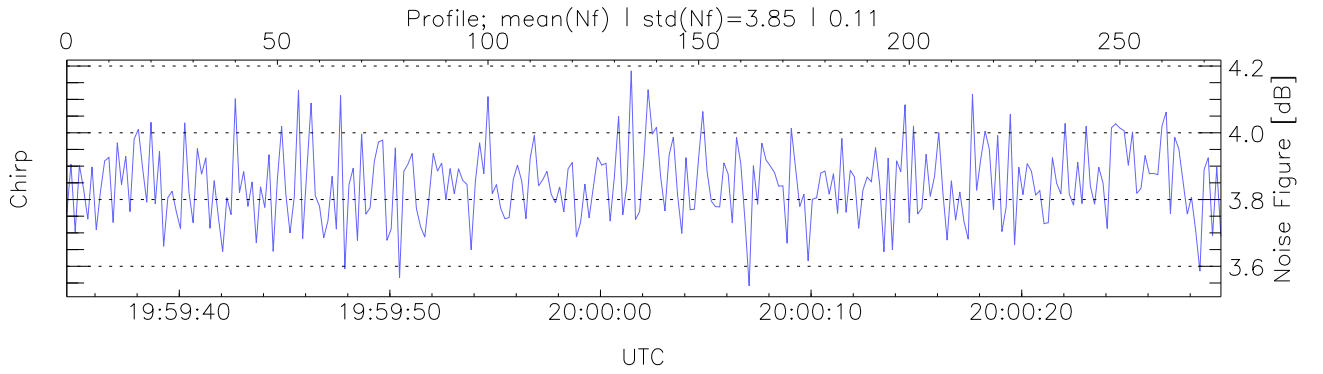


KPR SPP Temperatures, Power Supplies, PLO lock:

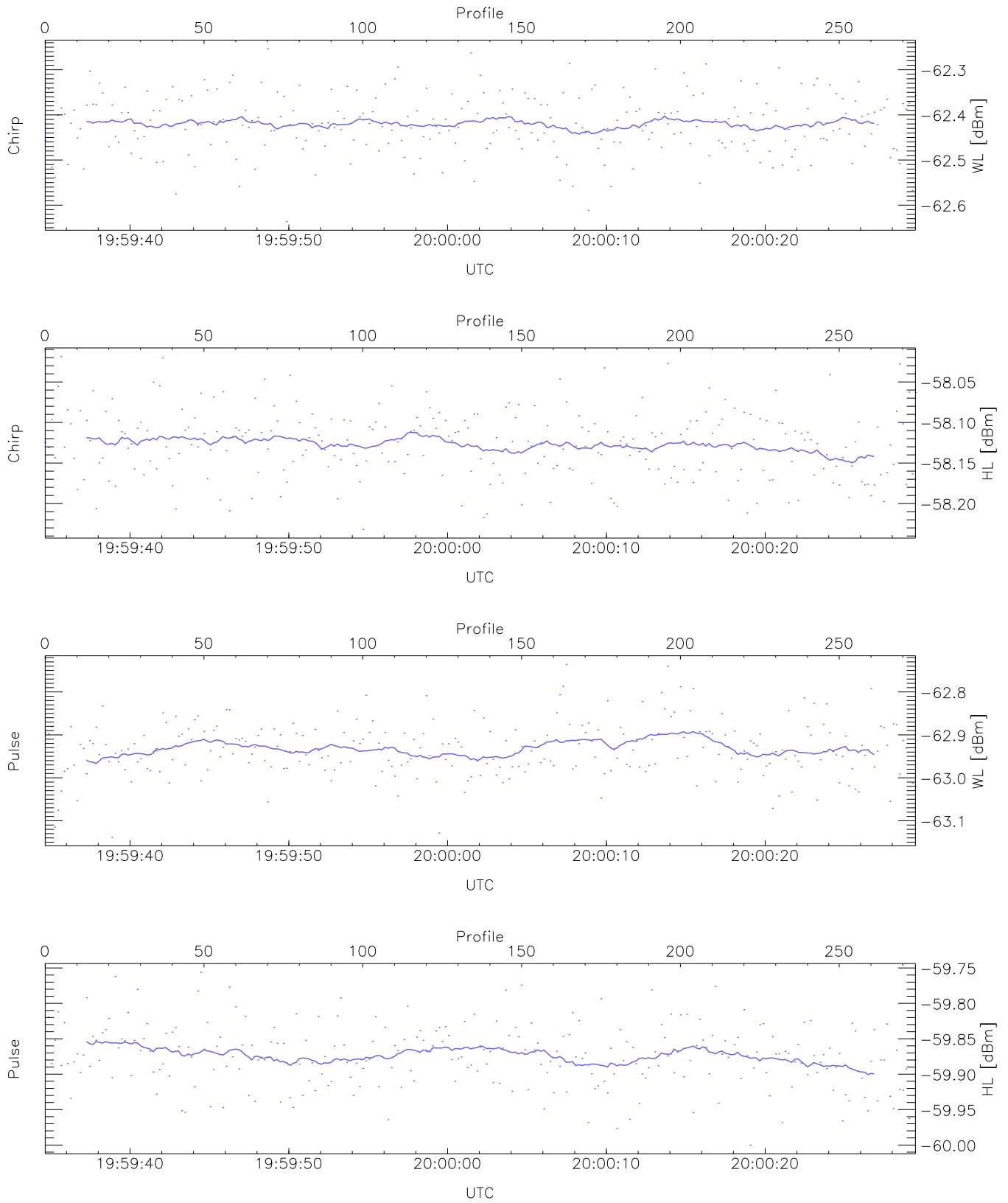
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	23.5,	24.5,	24.3,	22.9,	25.3,	17.8,	19.4
maxtempC:	23.8,	24.8,	25.1,	23.3,	25.7,	18.0,	19.7
meantempC:	23.6,	24.7,	24.7,	23.1,	25.5,	17.9,	19.5

PwrSply:	28,	12,	8,	5 VDC
minVDC:	27.44,	11.68,	7.87,	5.22
maxVDC:	27.91,	11.72,	7.89,	5.23
meanVDC:	27.61,	11.70,	7.88,	5.23

PLO(3.84,15.84 GHz) unlocked: None

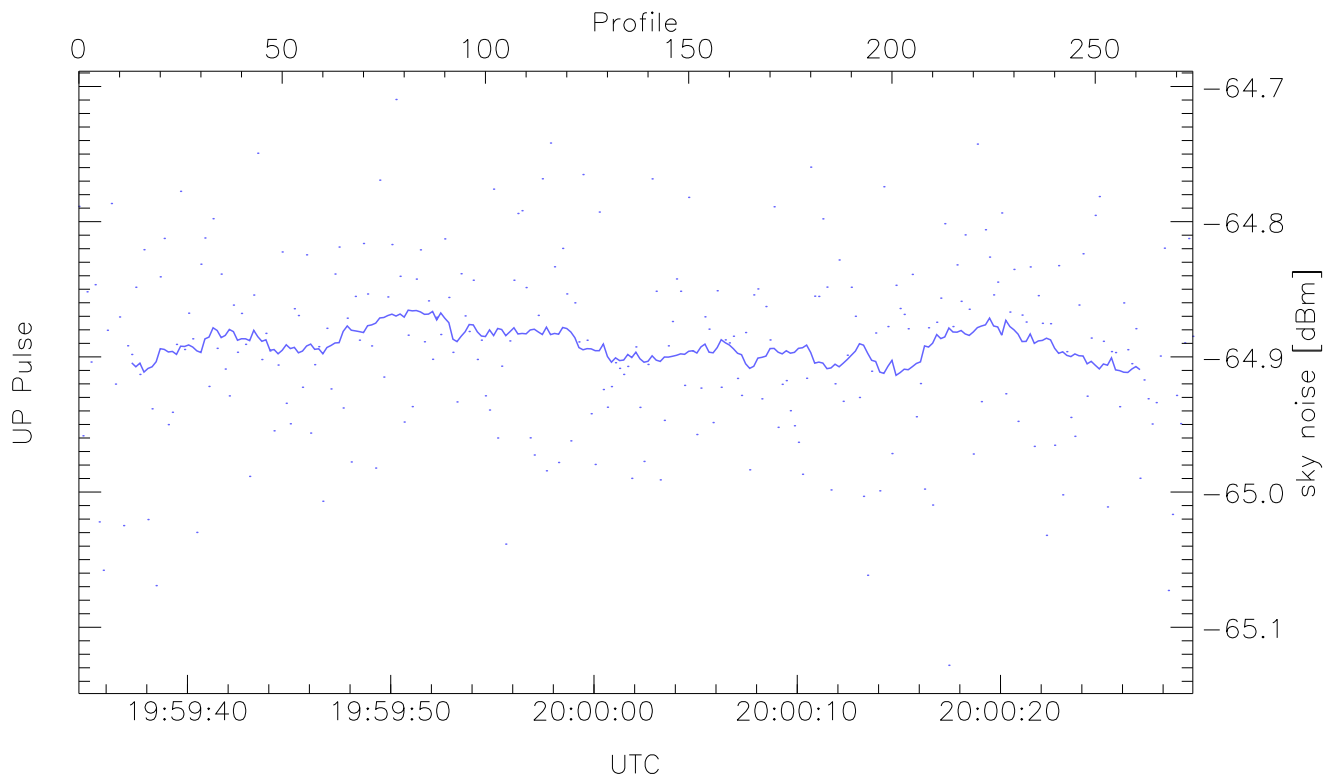
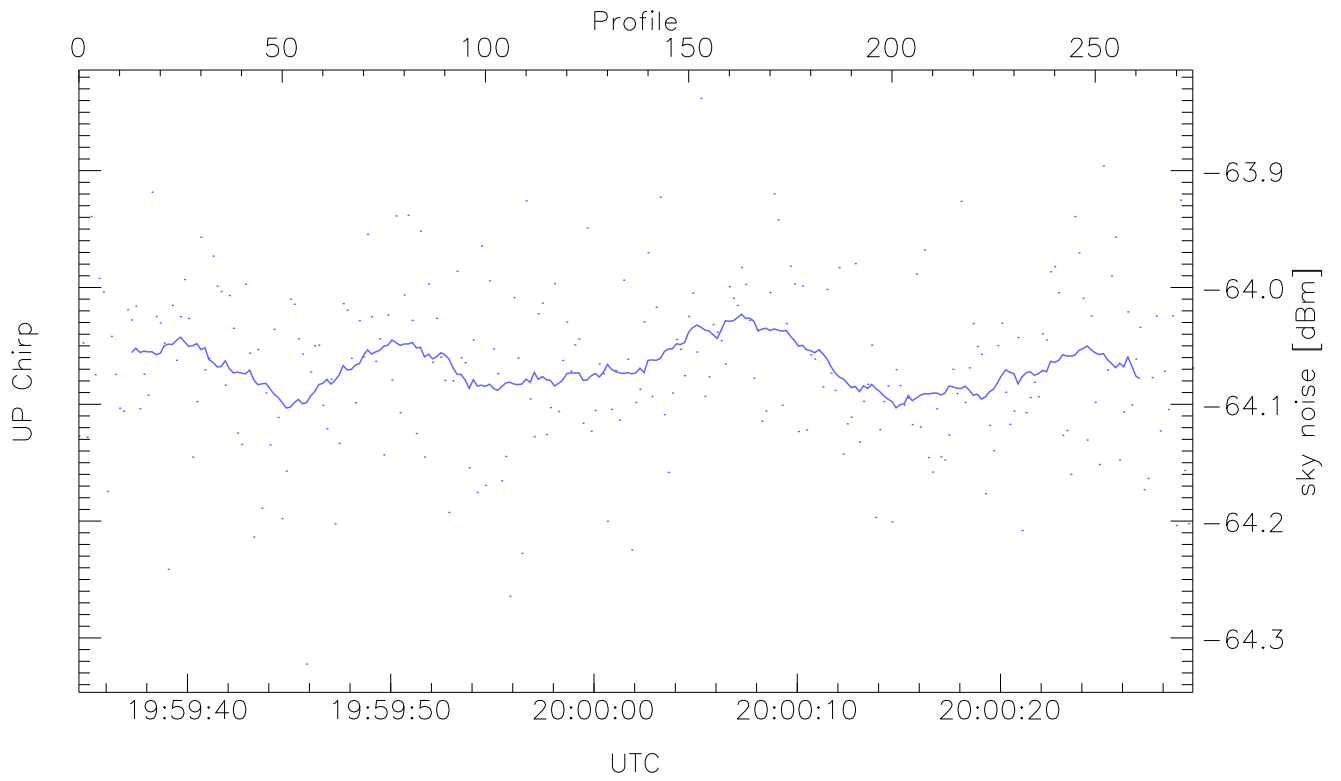


KPR SPP Receiver Gain and Noise Figure



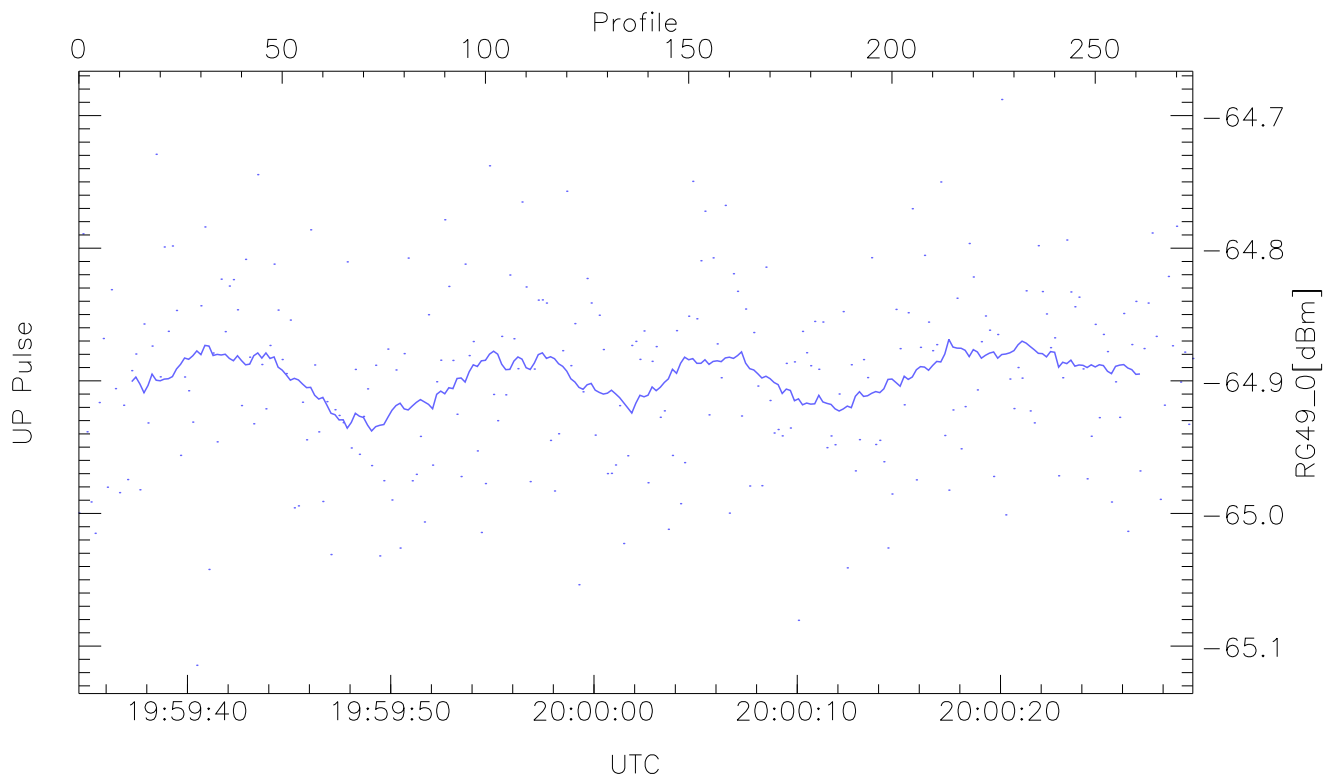
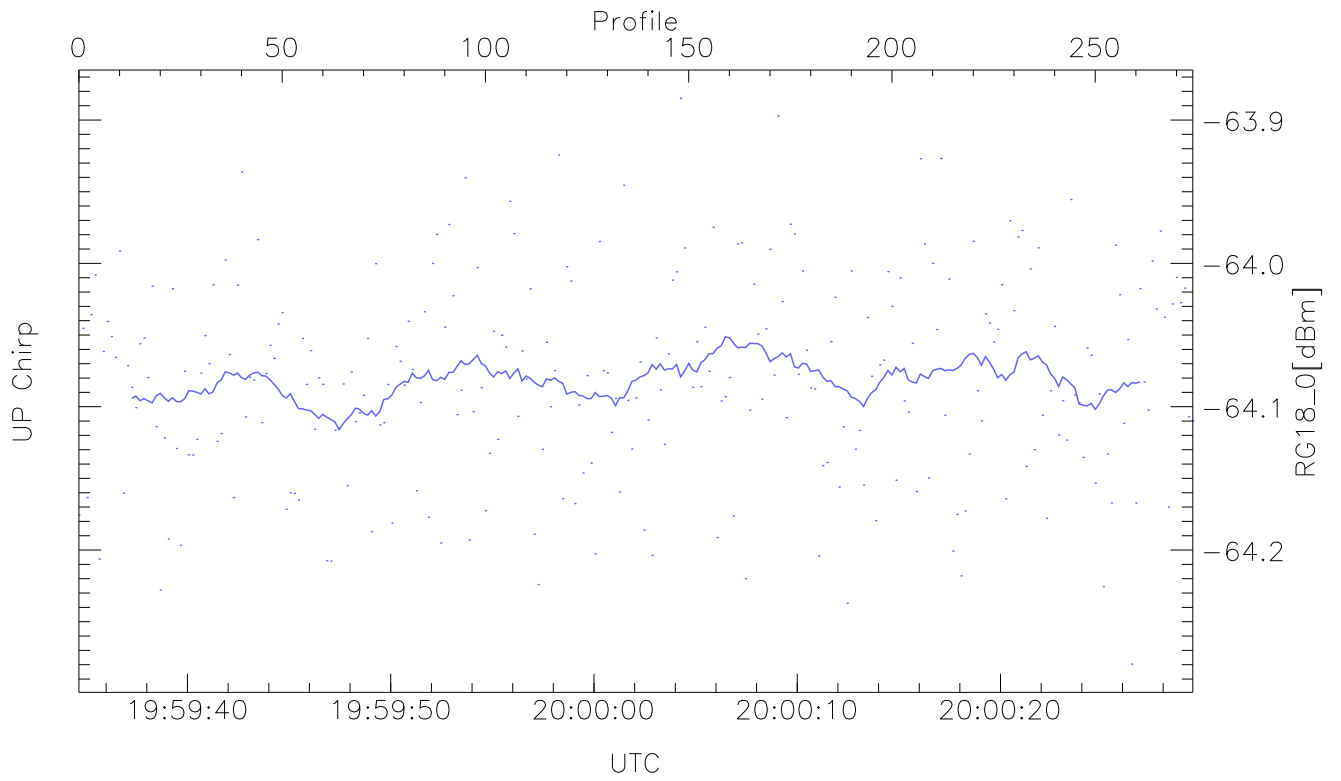
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.64	-62.25	-62.42	-62.42	-80.71
Chirp(HL [dBm])	-58.23	-58.02	-58.13	-58.12	-78.35
Pulse(WL [dBm])	-63.14	-62.74	-62.93	-62.94	-81.36
Pulse(HL [dBm])	-60.00	-59.76	-59.87	-59.87	-79.93



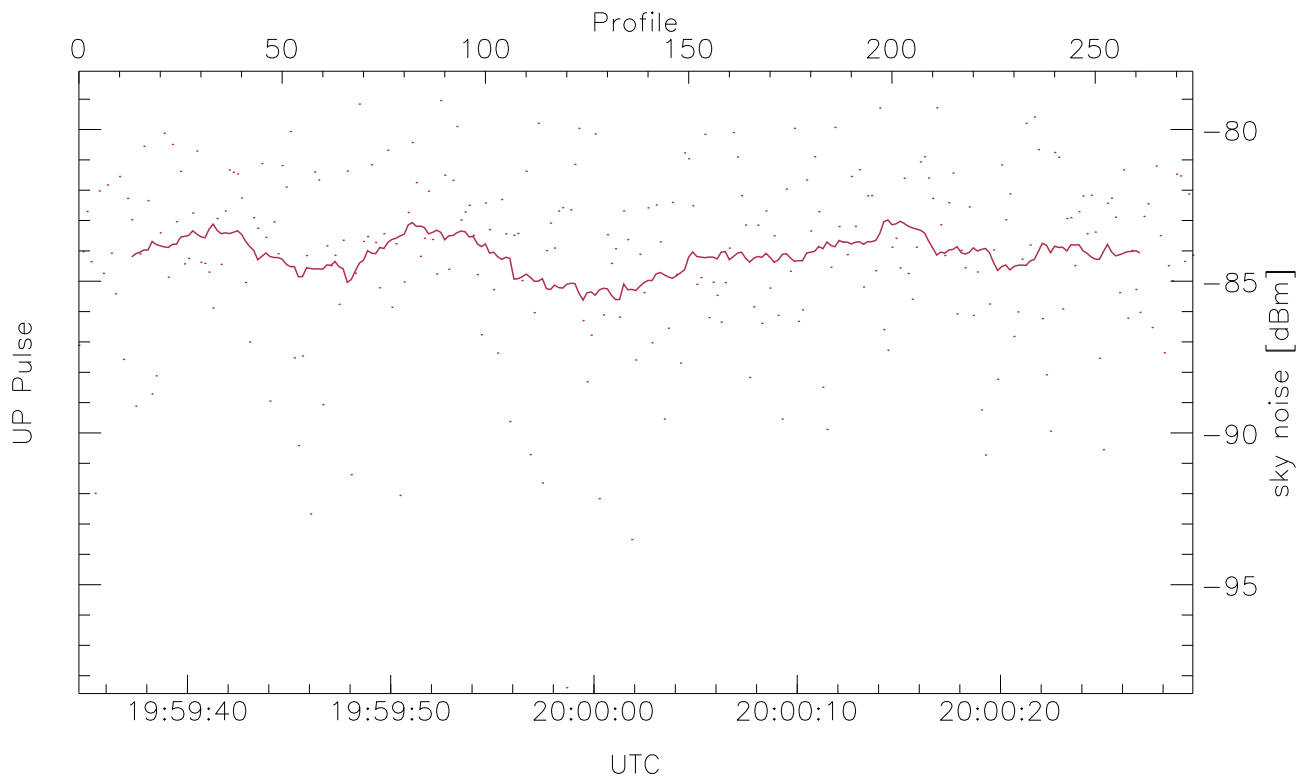
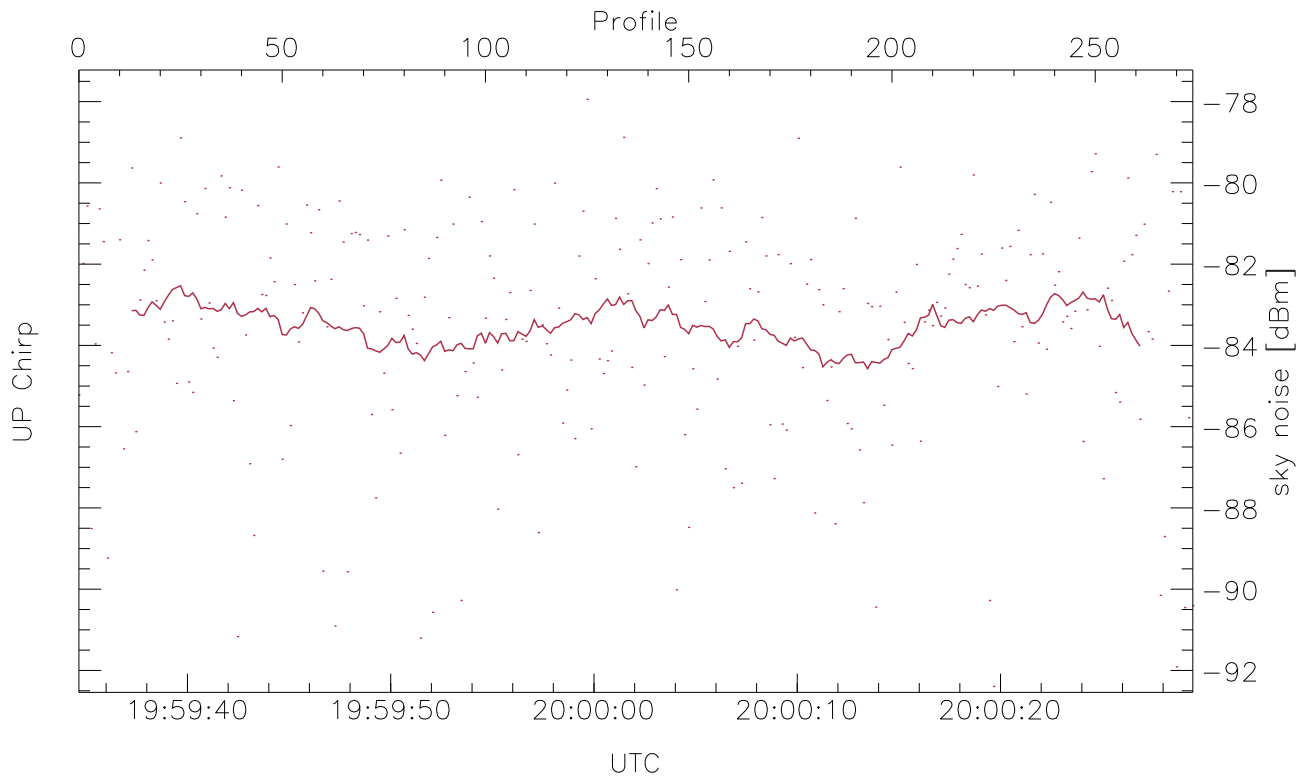
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.32	-63.84	-64.07	-64.07	-81.99
UP Pulse(dBm)	-65.13	-64.71	-64.89	-64.89	-83.03



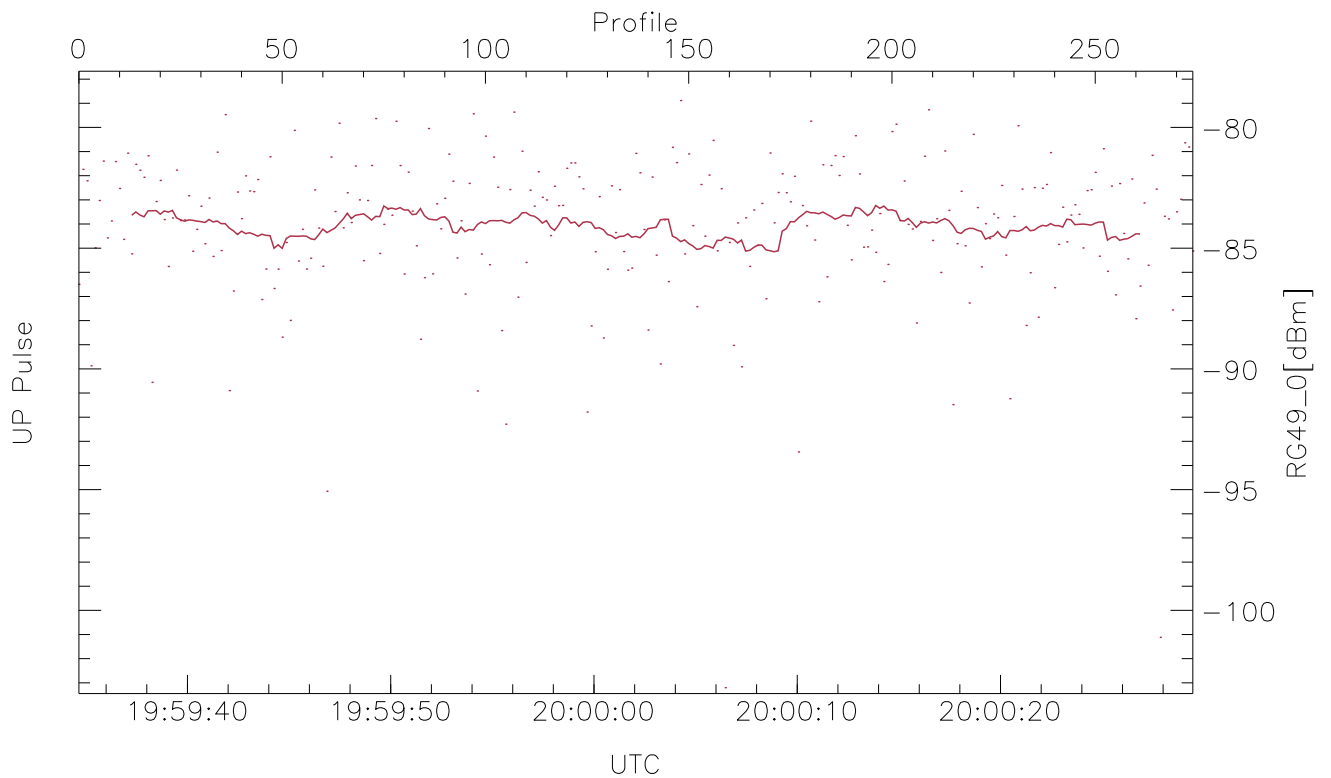
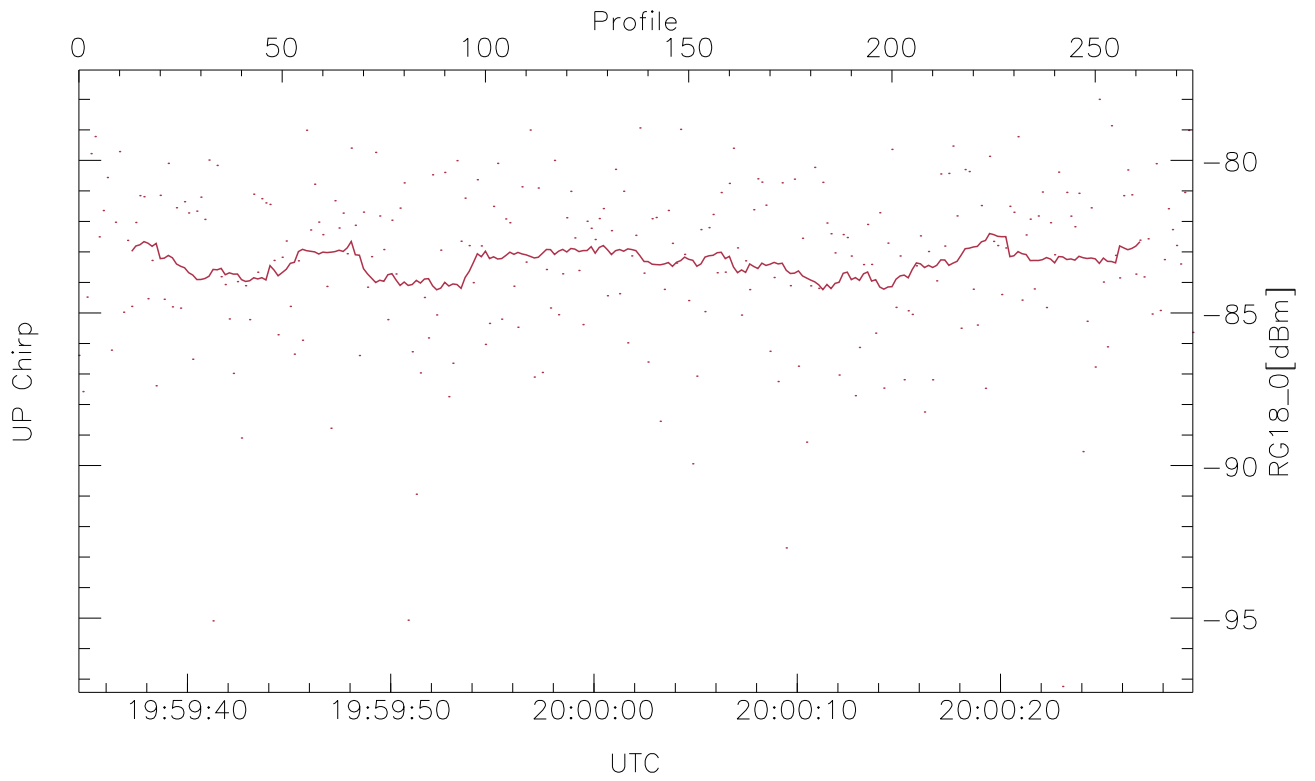
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG18_0	-64.28	-63.88	-64.08	-64.08	-82.03
UP_P_RG49_0	-65.11	-64.69	-64.90	-64.89	-82.91



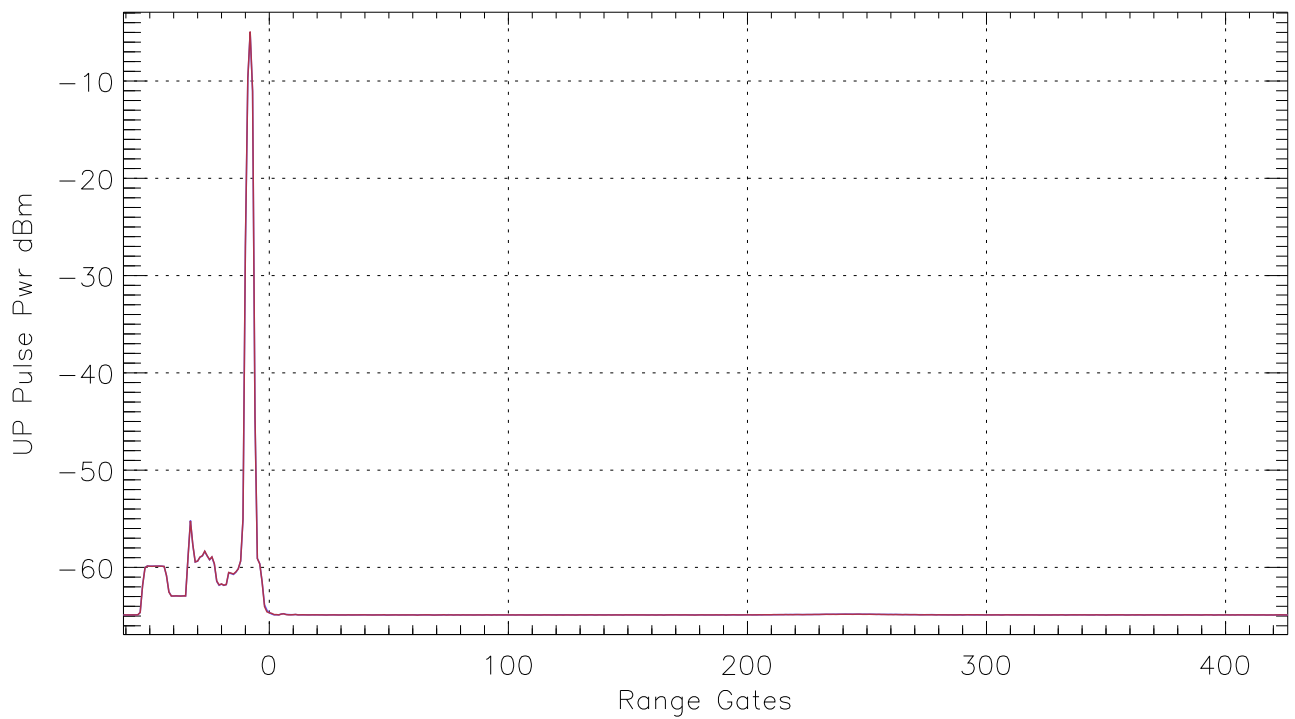
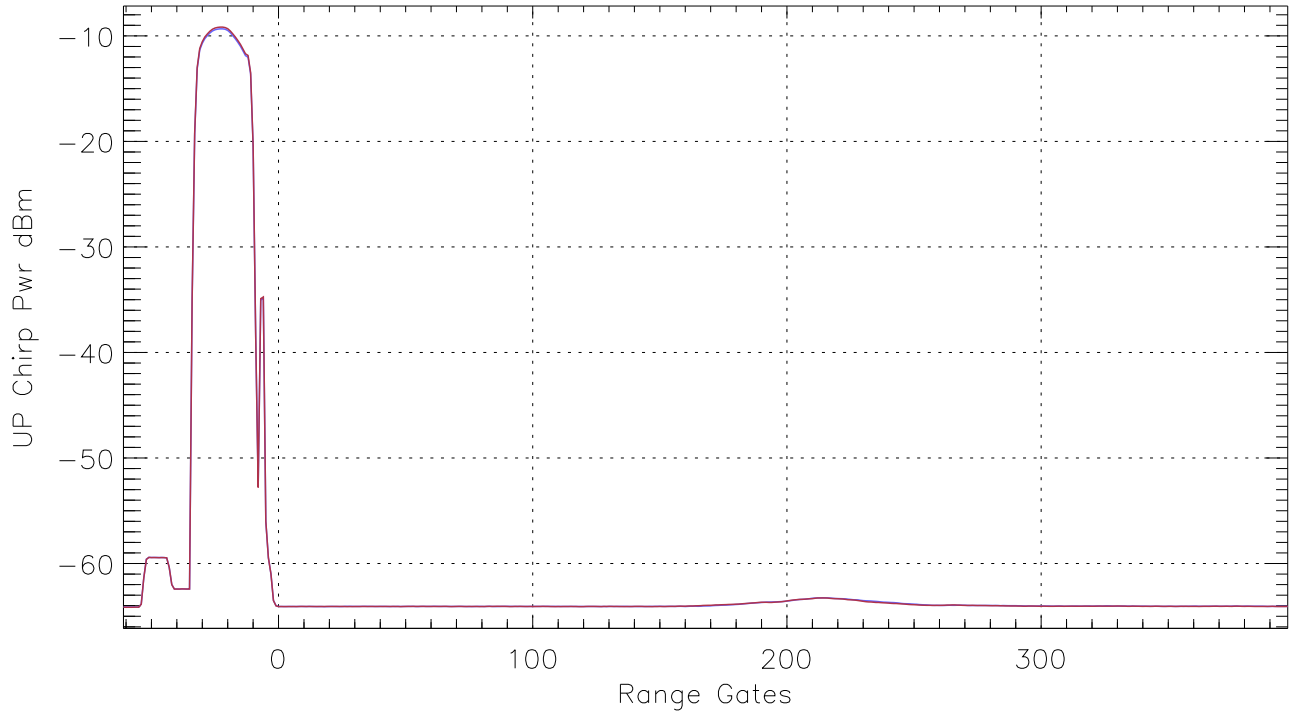
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-92.39	-77.94	-82.84	-83.13	-85.57
UP Pulse(dBm)	-98.39	-79.05	-83.37	-83.71	-86.02

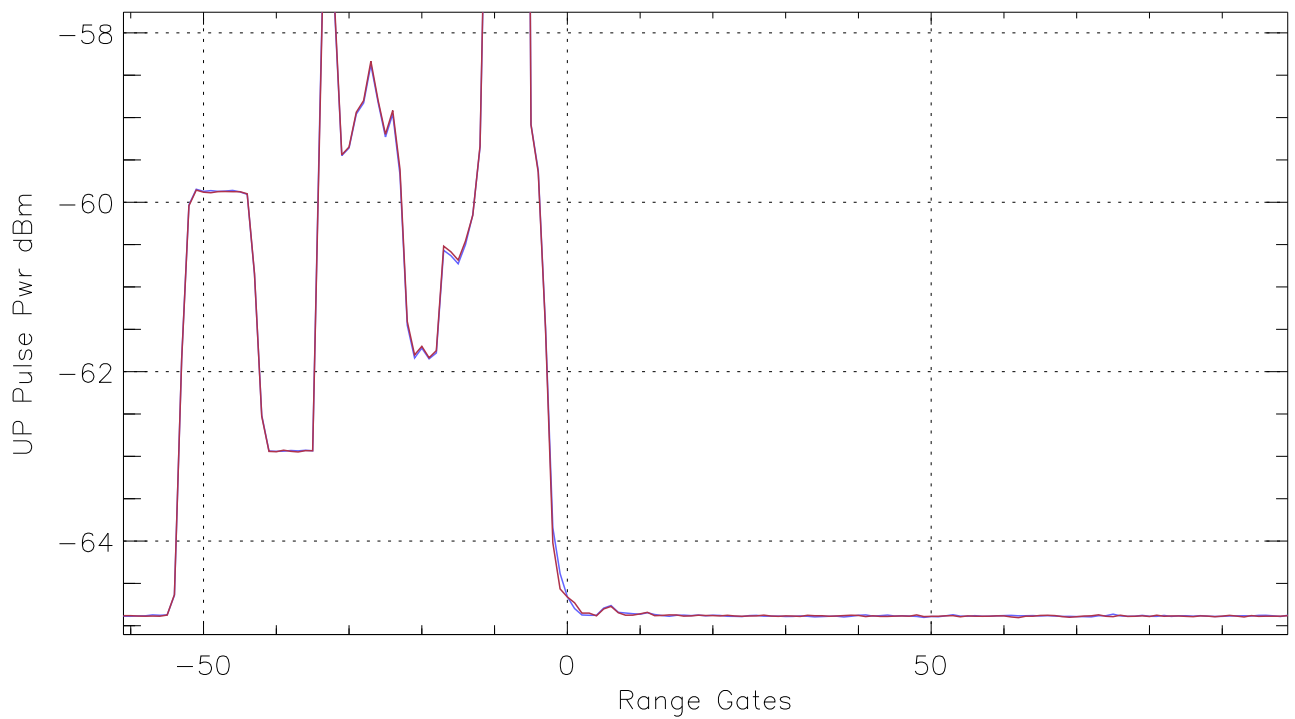
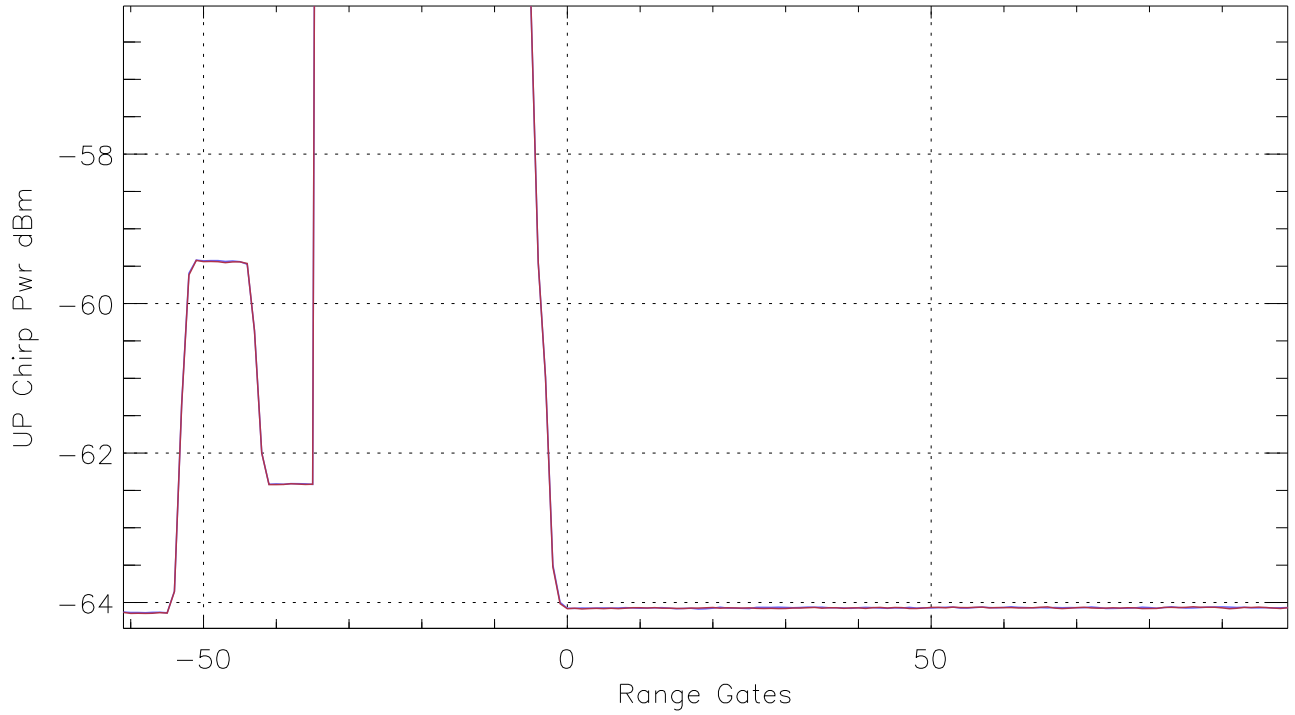


KPR SPP "Best" PPMAG noise (dBm):

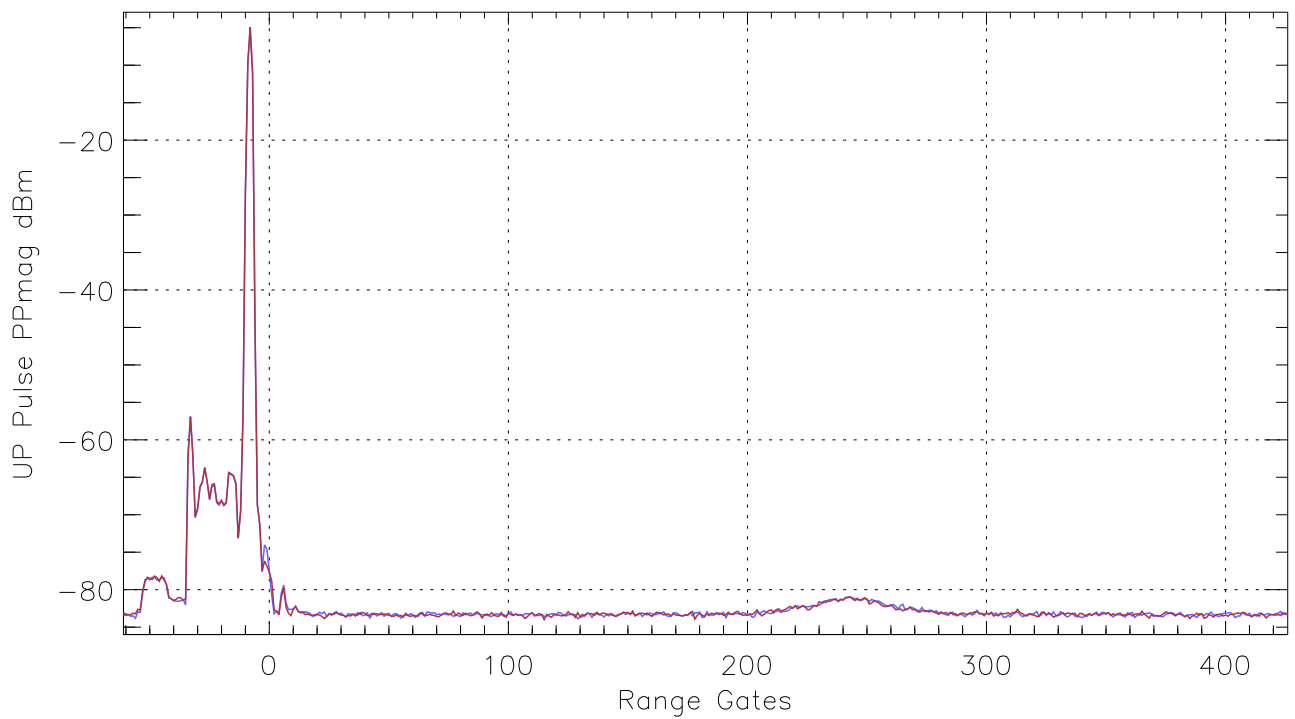
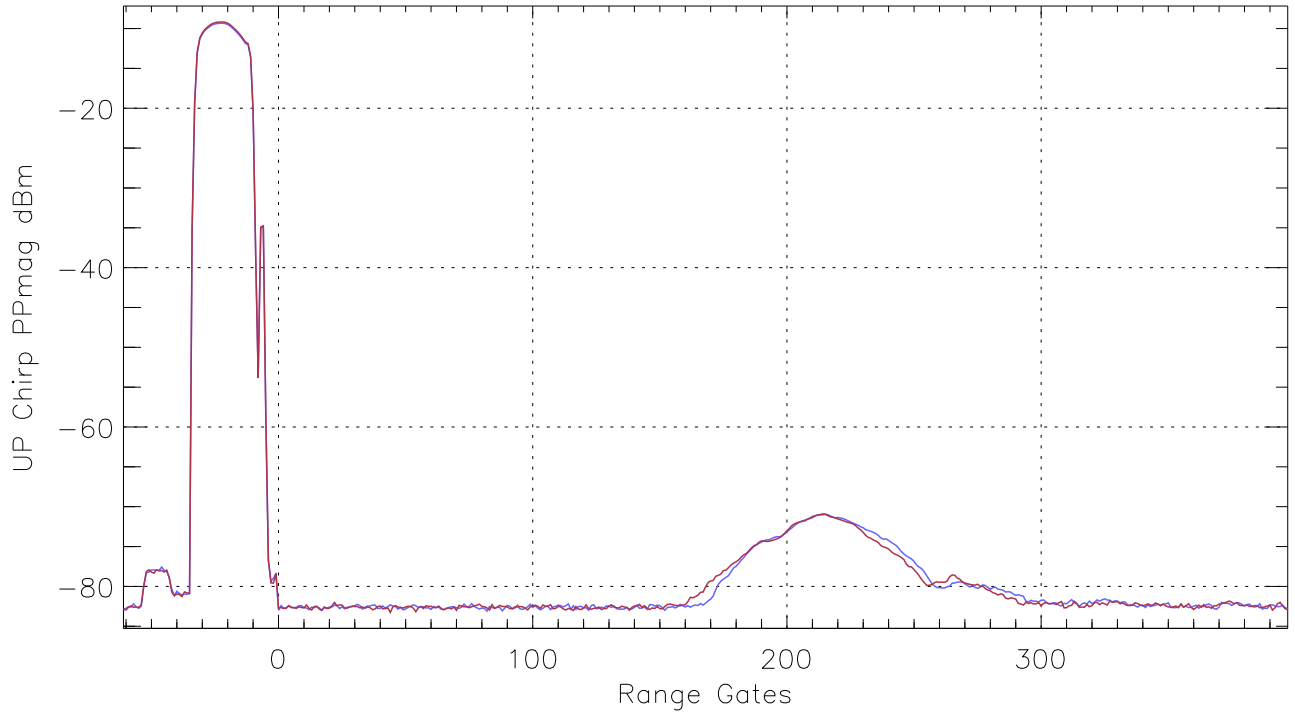
	Min	Max	Mean	Median	StDev
UP_C_RG18_0	-97.24	-78.00	-82.62	-82.81	-85.53
UP_P_RG49_0	-103.20	-78.89	-83.31	-83.69	-86.10



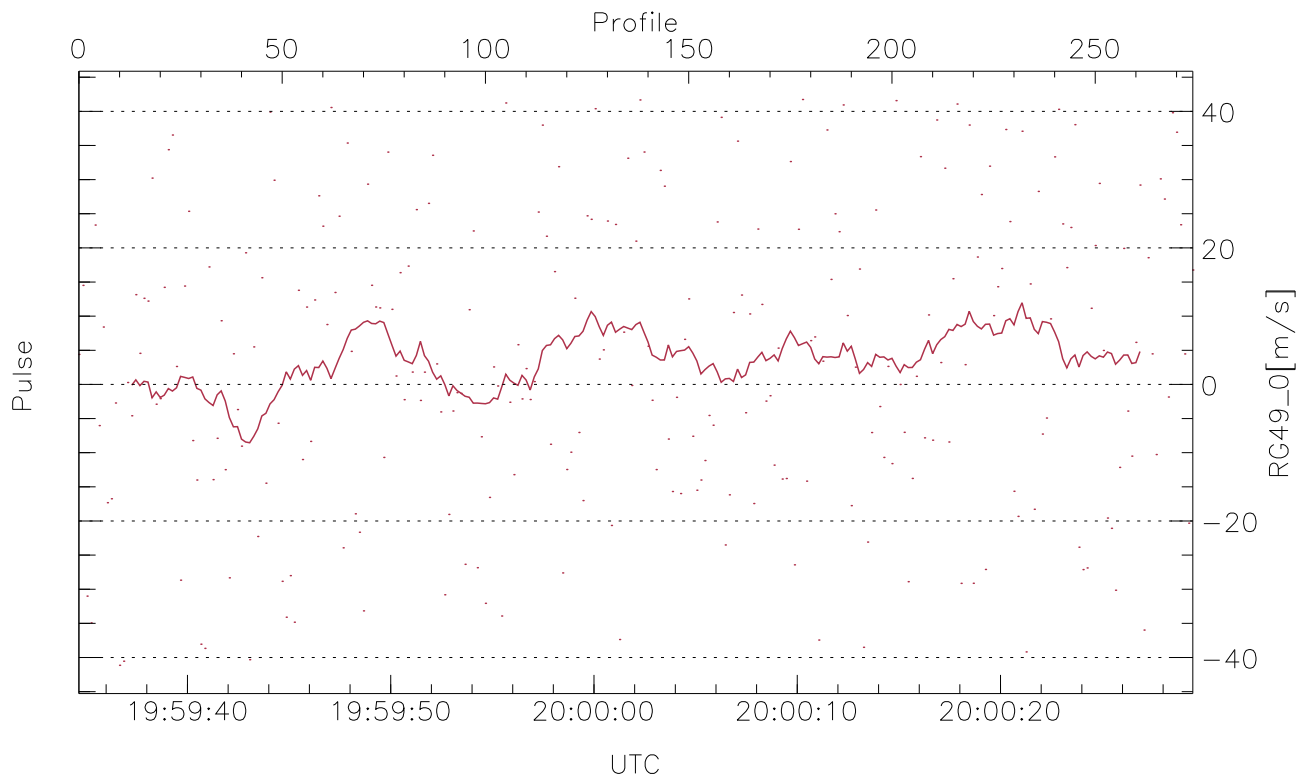
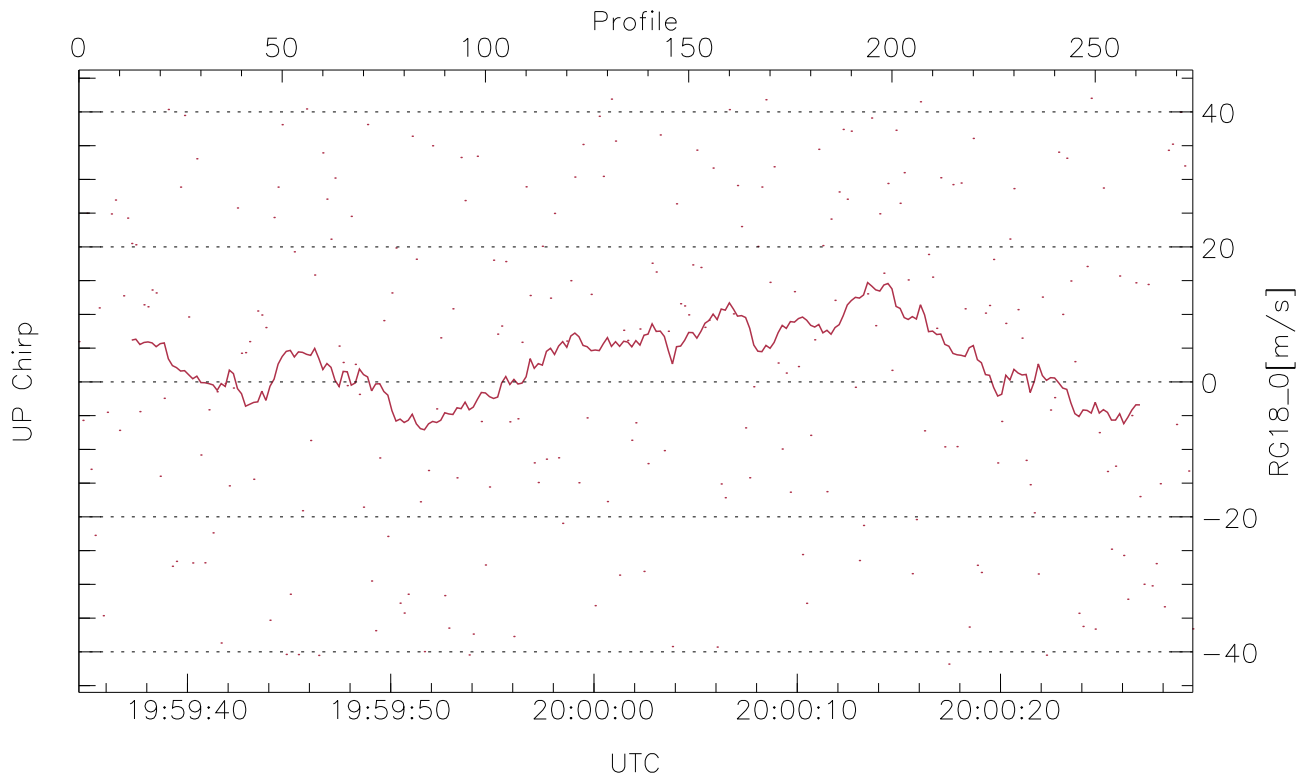
KPR SPP Averaged Received power for all recorded gates
blue: 195935-200002, 138 profiles averaged
red: 200002-200029, 138 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 195935-200002, 138 profiles averaged
red: 200002-200029, 138 profiles averaged

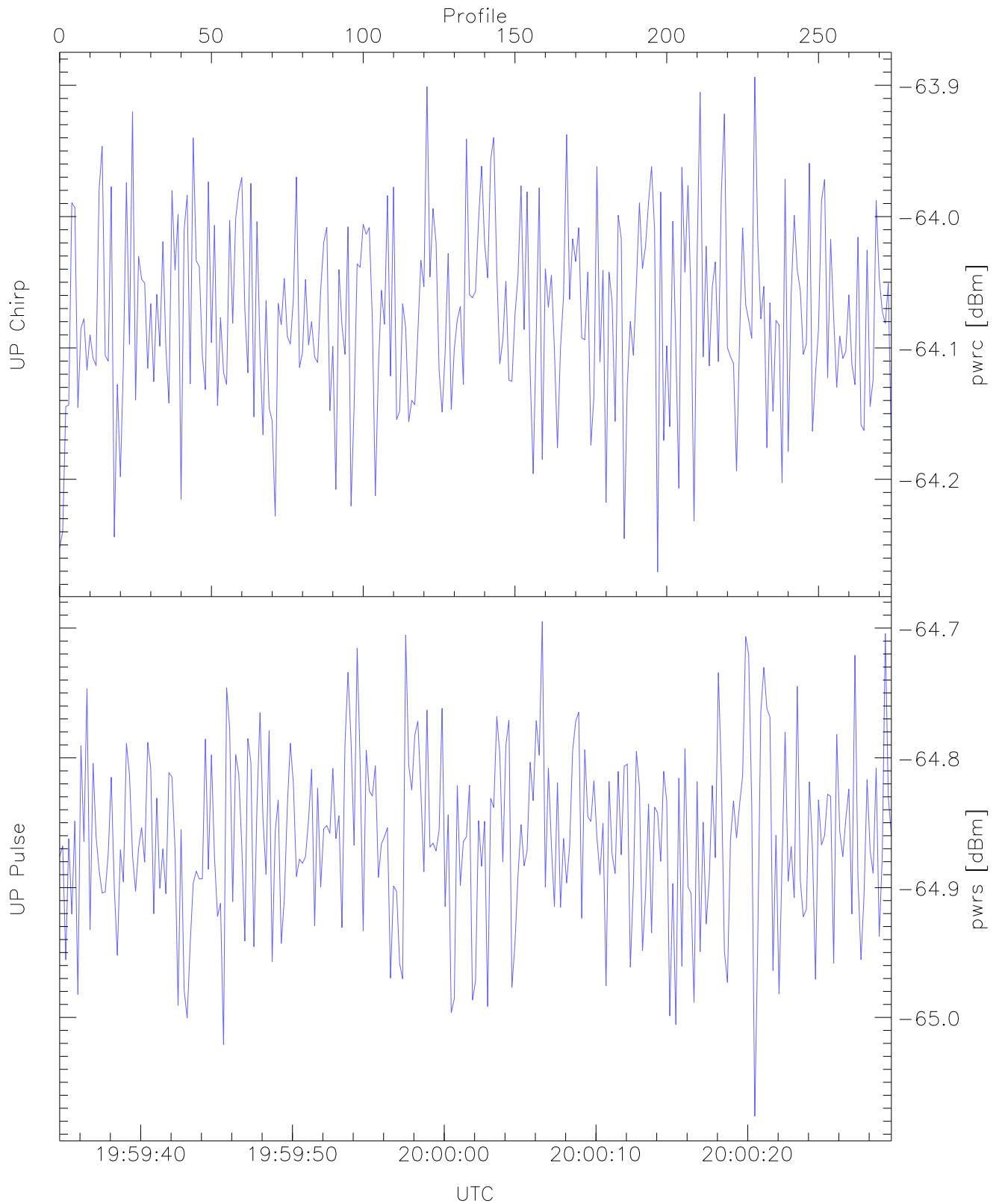


KPR SPP Averaged PP magnitude for all recorded gates
blue: 195935-200002, 138 profiles averaged
red: 200002-200029, 138 profiles averaged



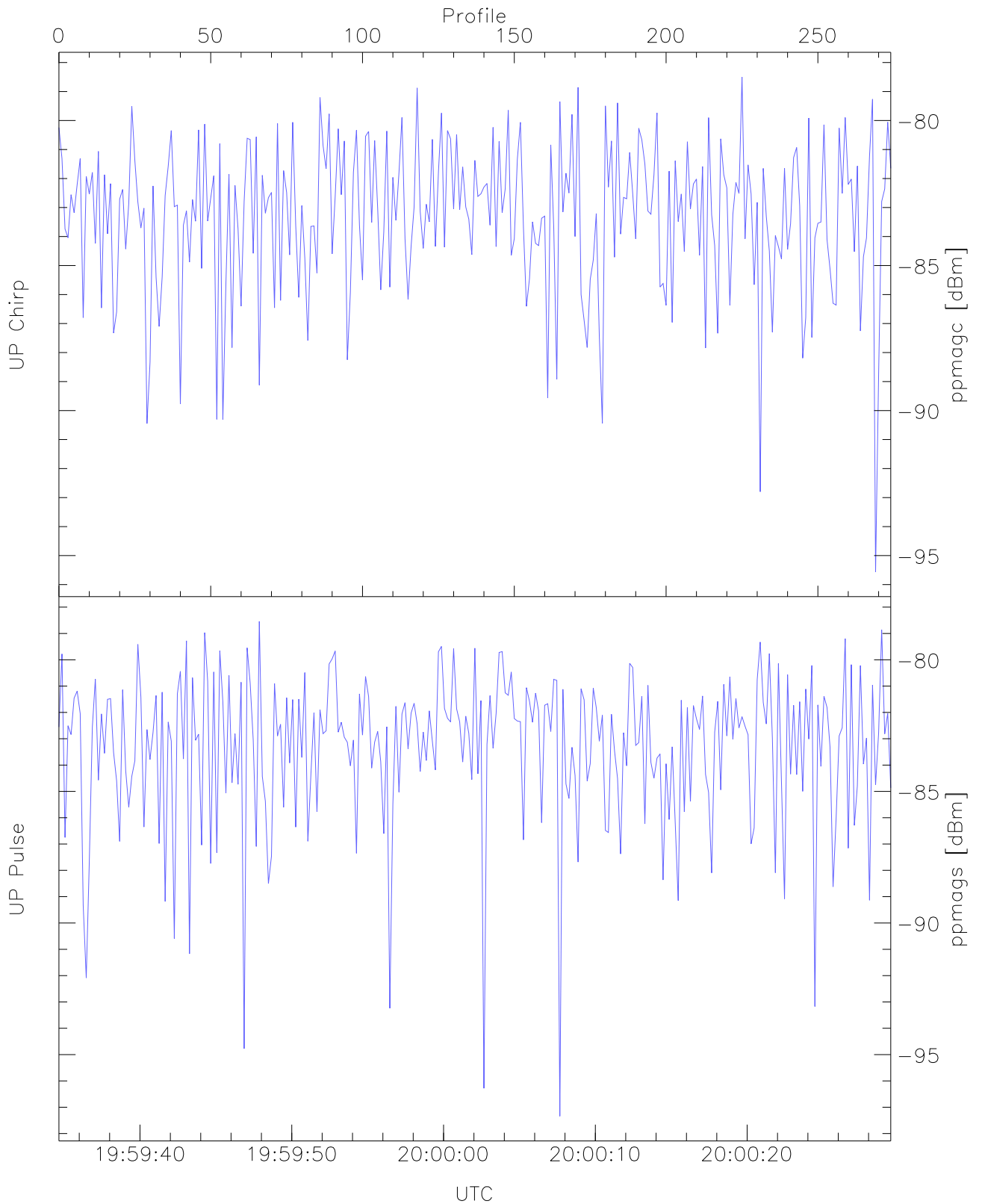
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG18_0	-41.81	42.02	2.75	6.23	23.30
UP_P_RG49_0	-41.14	41.73	3.39	3.00	21.52



KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

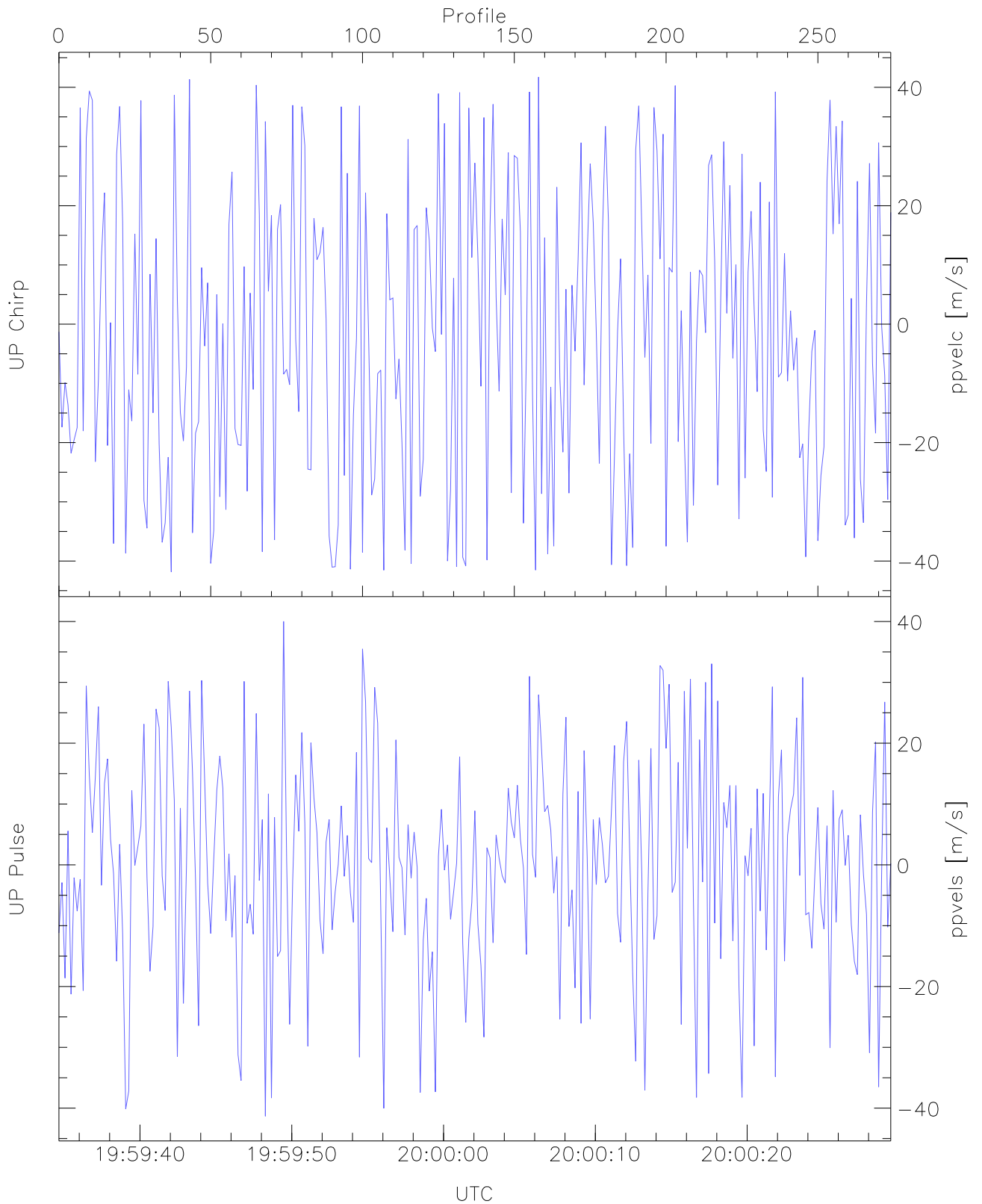
	Min	Max	Mean
UP Chirp(dBm)	-64.27	-63.89	-64.07
UP Pulse(dBm)	-65.08	-64.69	-64.86



KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)

KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

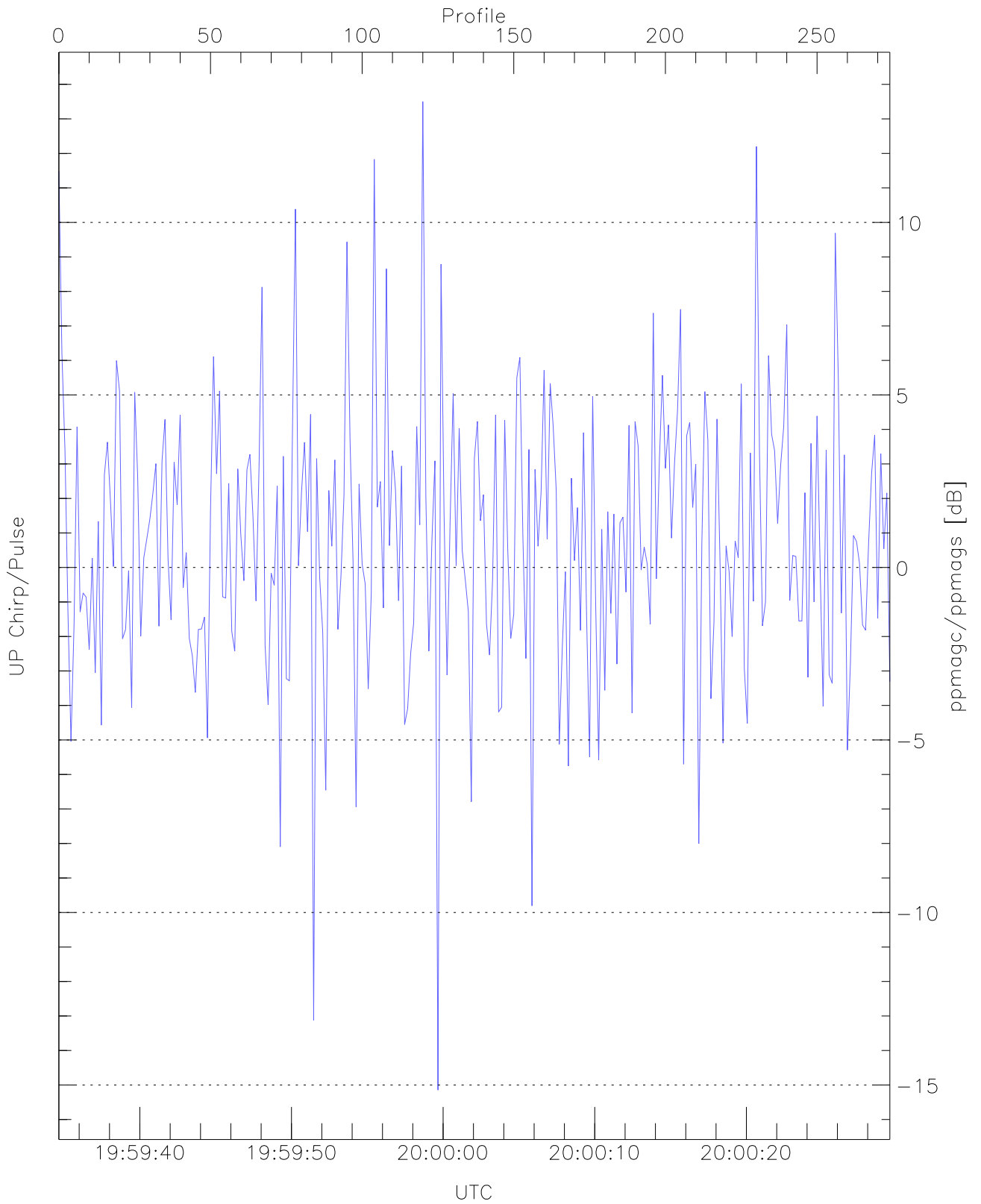
	Min	Max	Mean
UP Chirp(dBm)	-95.56	-78.50	-82.68
UP Pulse(dBm)	-97.34	-78.54	-82.63



KPR SPP PPVEL for Chirp Range gate 10 (686.2 m)

KPR SPP PPVEL for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(m/s)	-41.83	41.73	-1.91
UP Pulse(m/s)	-41.32	40.03	0.02



KPR SPP PPMAG Chirp/Pulse; Range gate: 551.3m /570.5m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-15.15	13.50	2.57