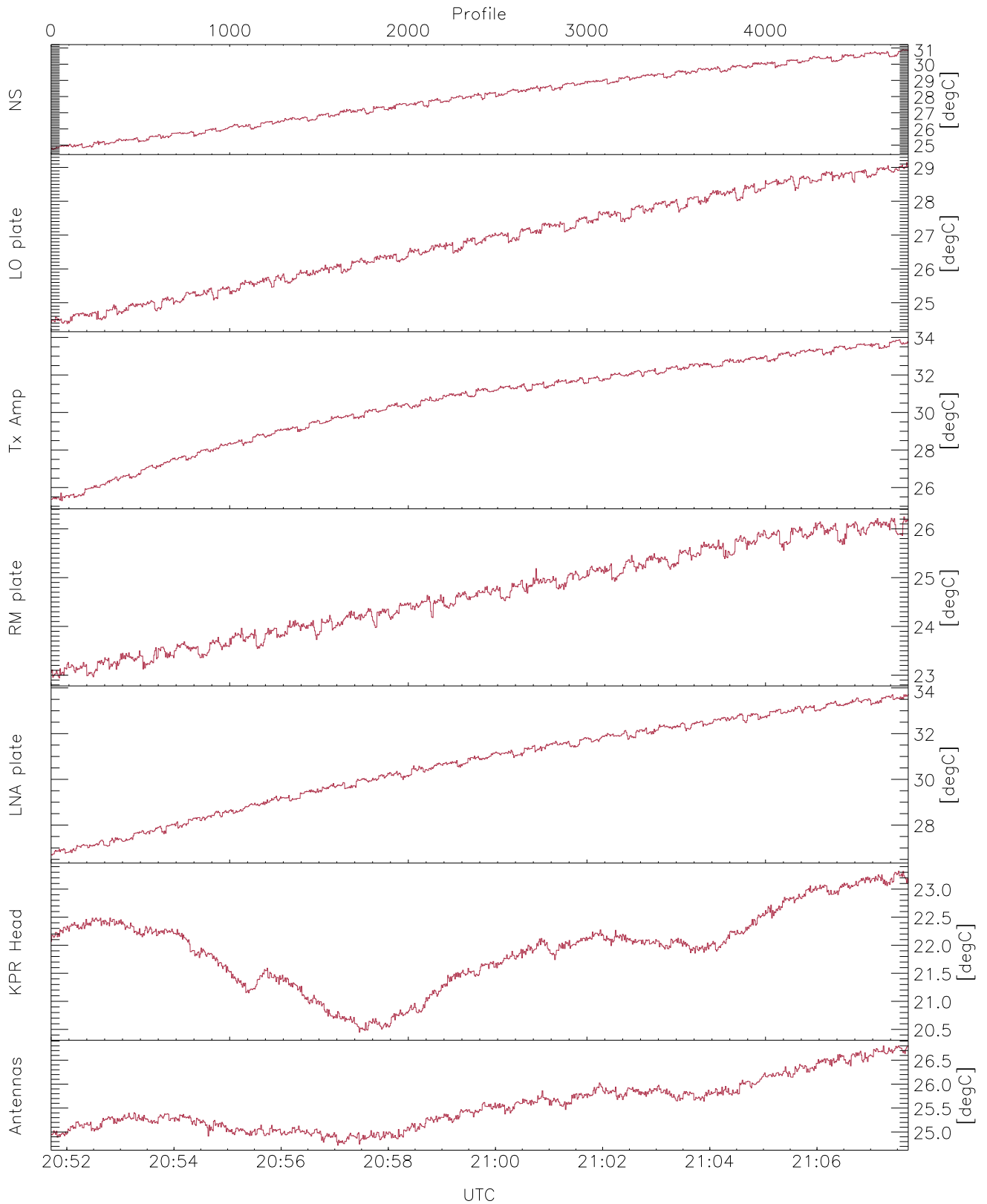


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 20:51:42-21:22:50, TimeCor: 0.00s, Dur: 959.80s  
 TimeInt(min,max,mn,std): 190.0,210.1,200.0,0.7 ms; PPS: 5.0  
 NumRec(r/t): 4800/9338, 0-4799/20:51:42-21:07:42  
 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, avgPulses: 4000, avgPP: 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

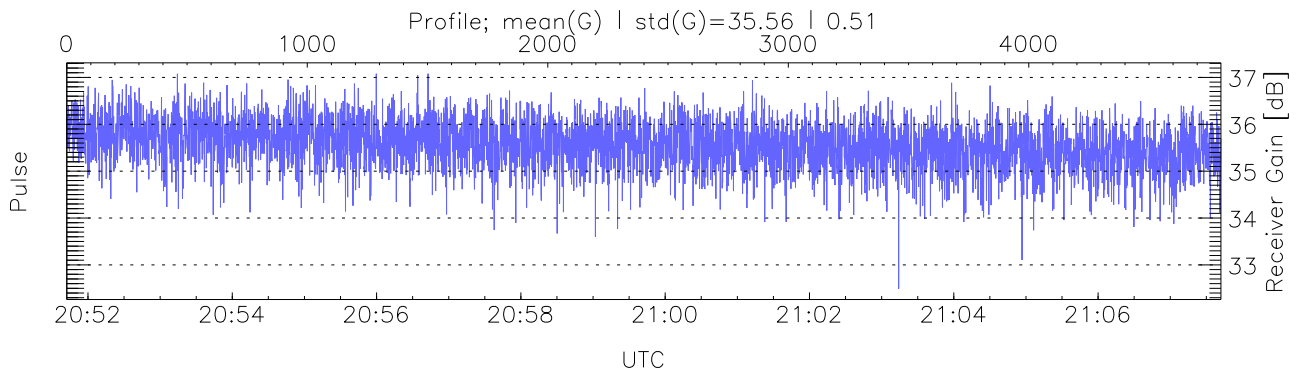
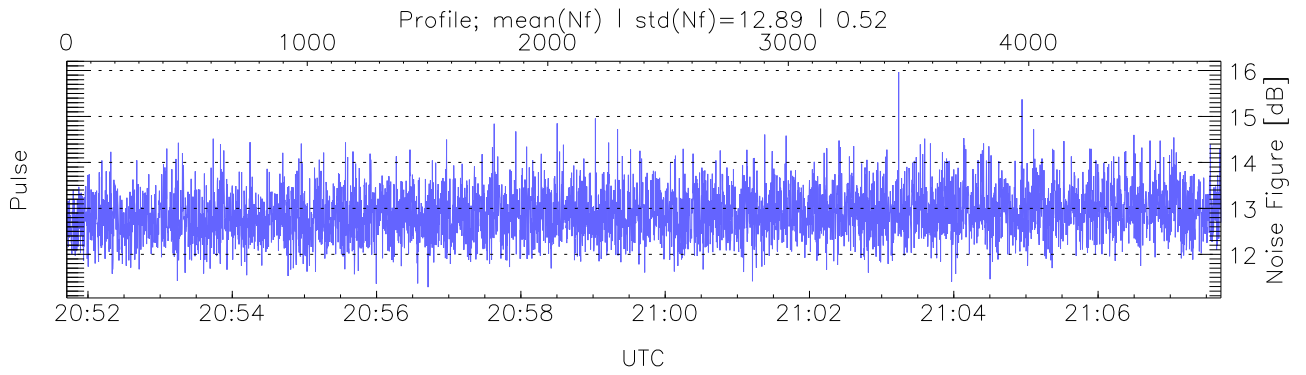
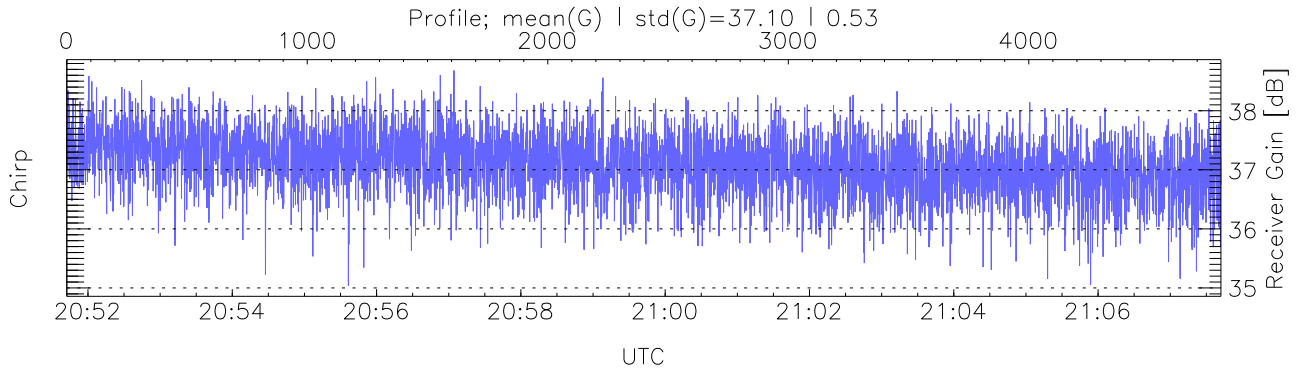
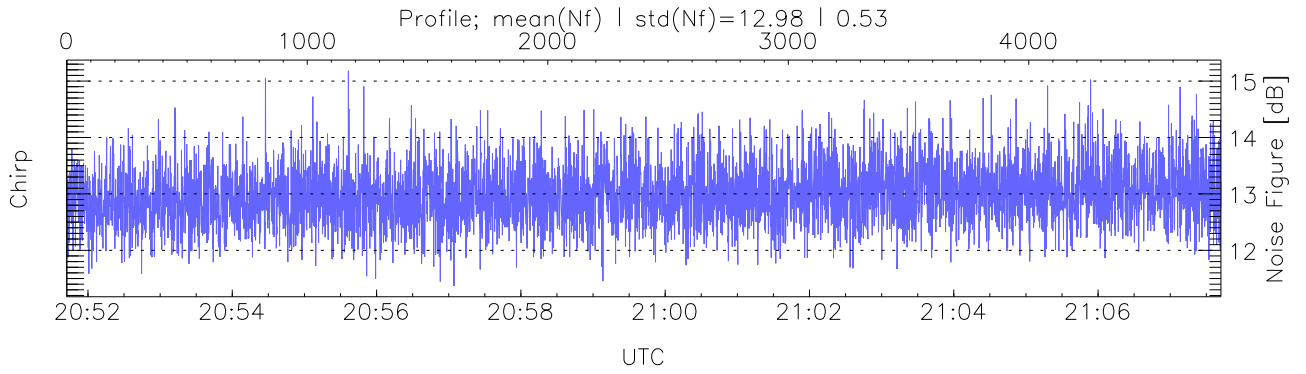


KPR SPP Temperatures, Power Supplies, PLO lock:

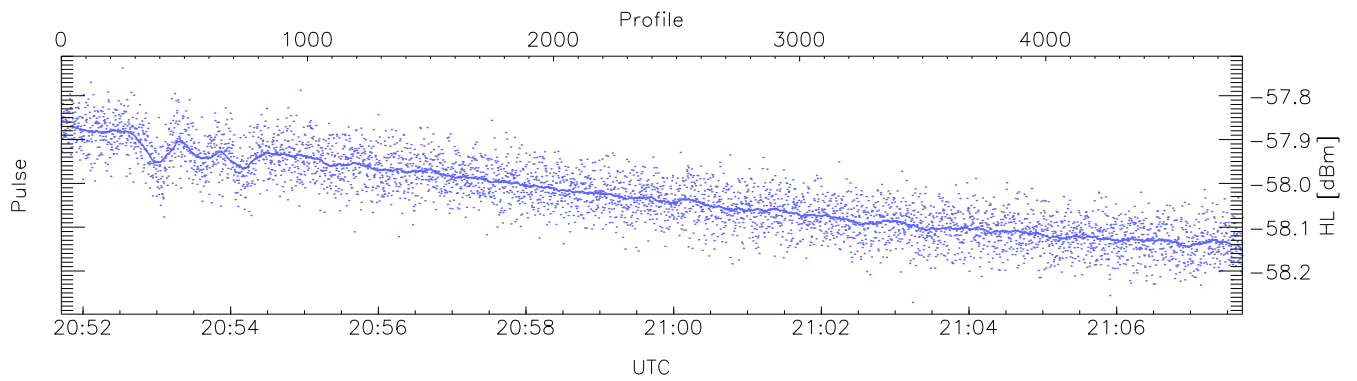
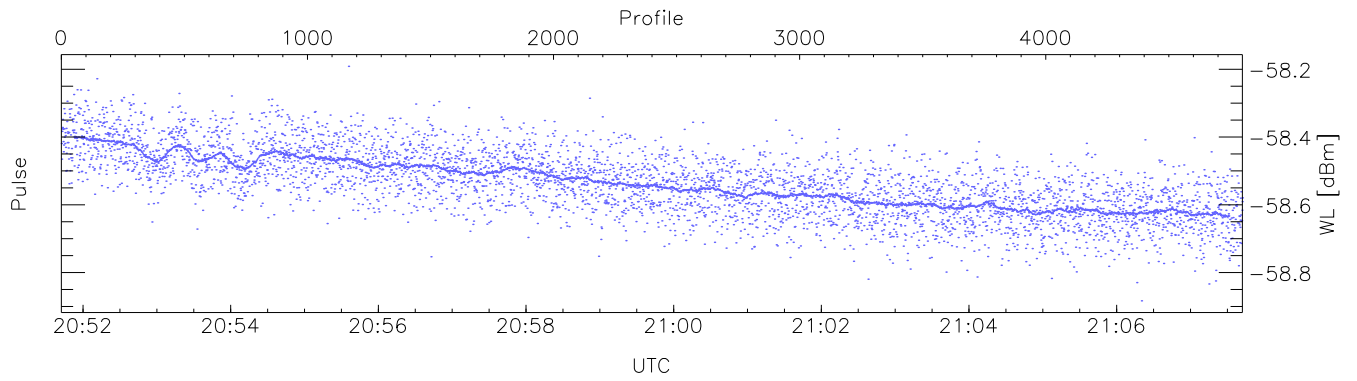
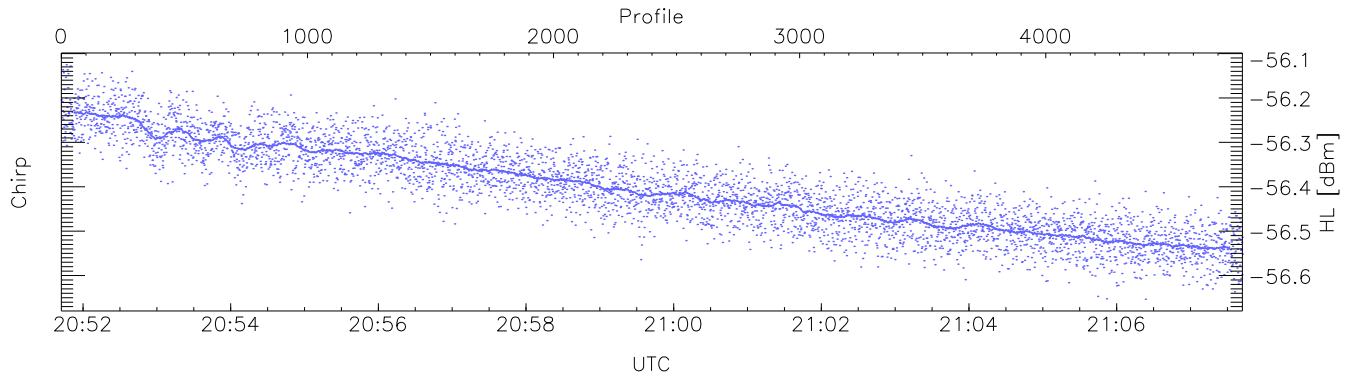
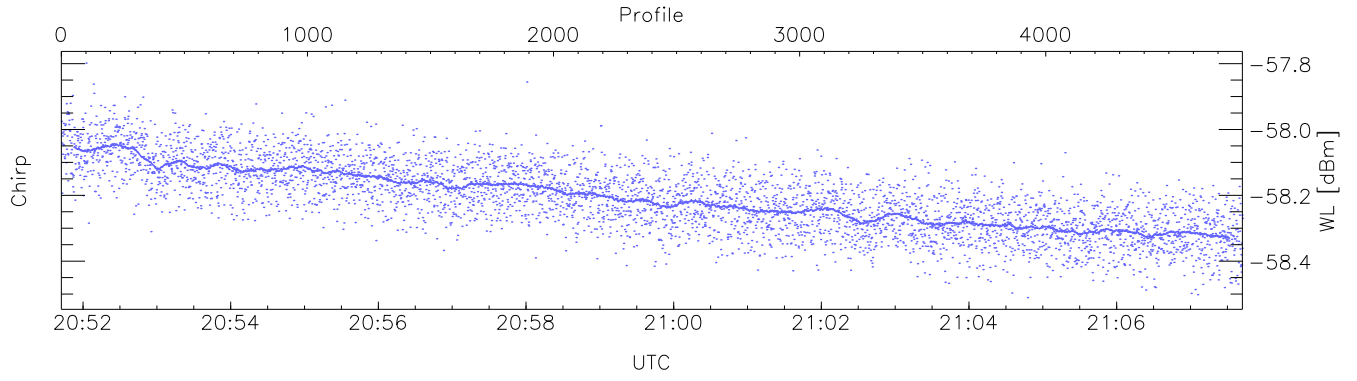
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	24.7,	24.4,	25.3,	22.9,	26.7,	20.5,	24.7
maxtempC:	30.9,	29.1,	33.9,	26.2,	33.7,	23.3,	26.8
meantempC:	27.9,	26.8,	30.5,	24.6,	30.6,	21.9,	25.6

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.96,	11.68,	7.87,	5.22
maxVDC:	26.53,	11.72,	7.90,	5.24
meanVDC:	26.24,	11.70,	7.88,	5.23

PLO(3.84,15.84 GHz) unlocked: None

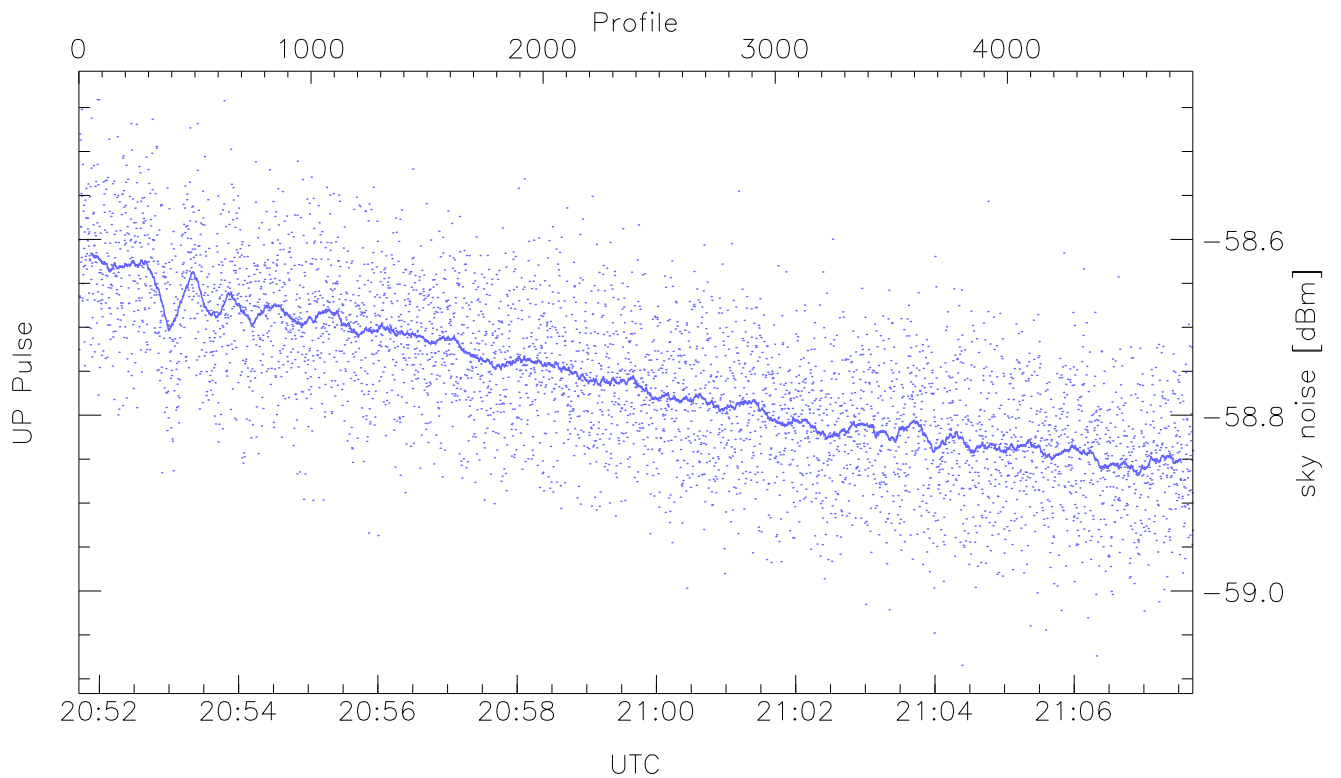
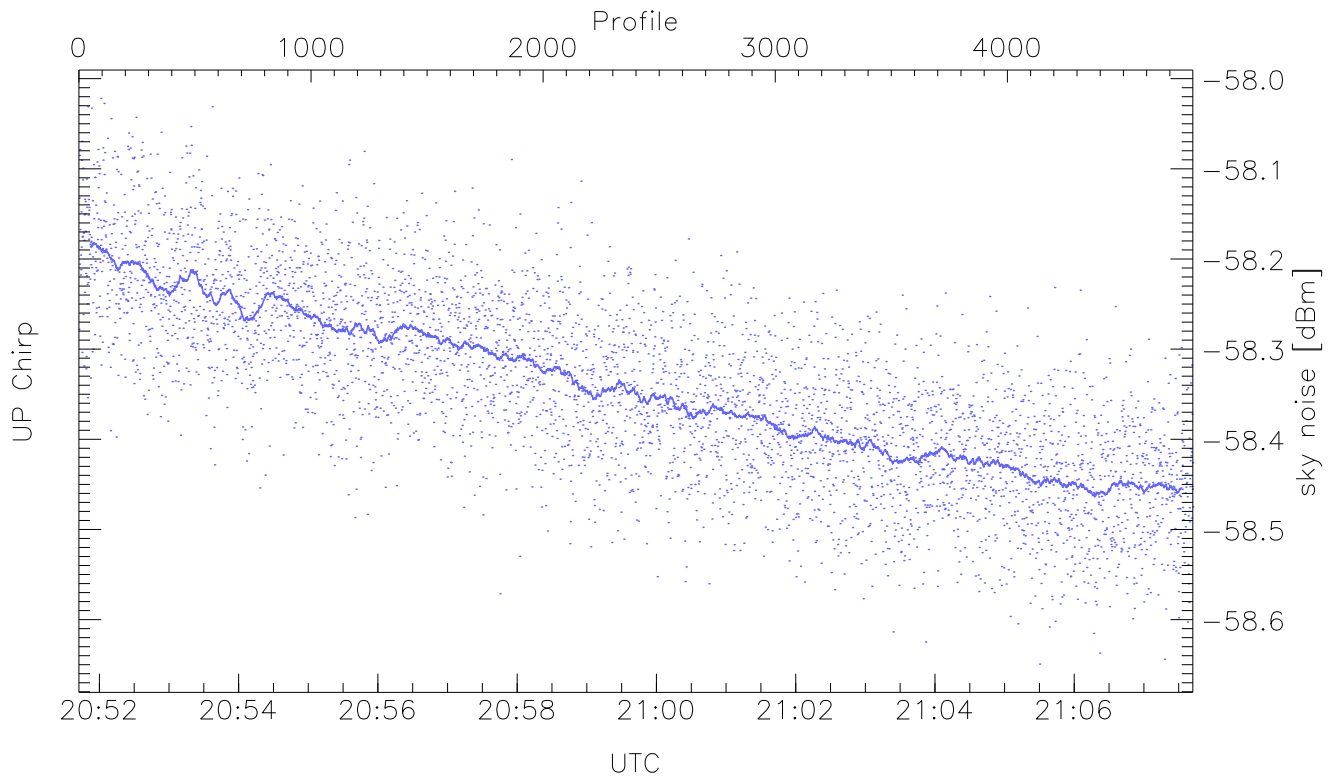


KPR SPP Receiver Gain and Noise Figure



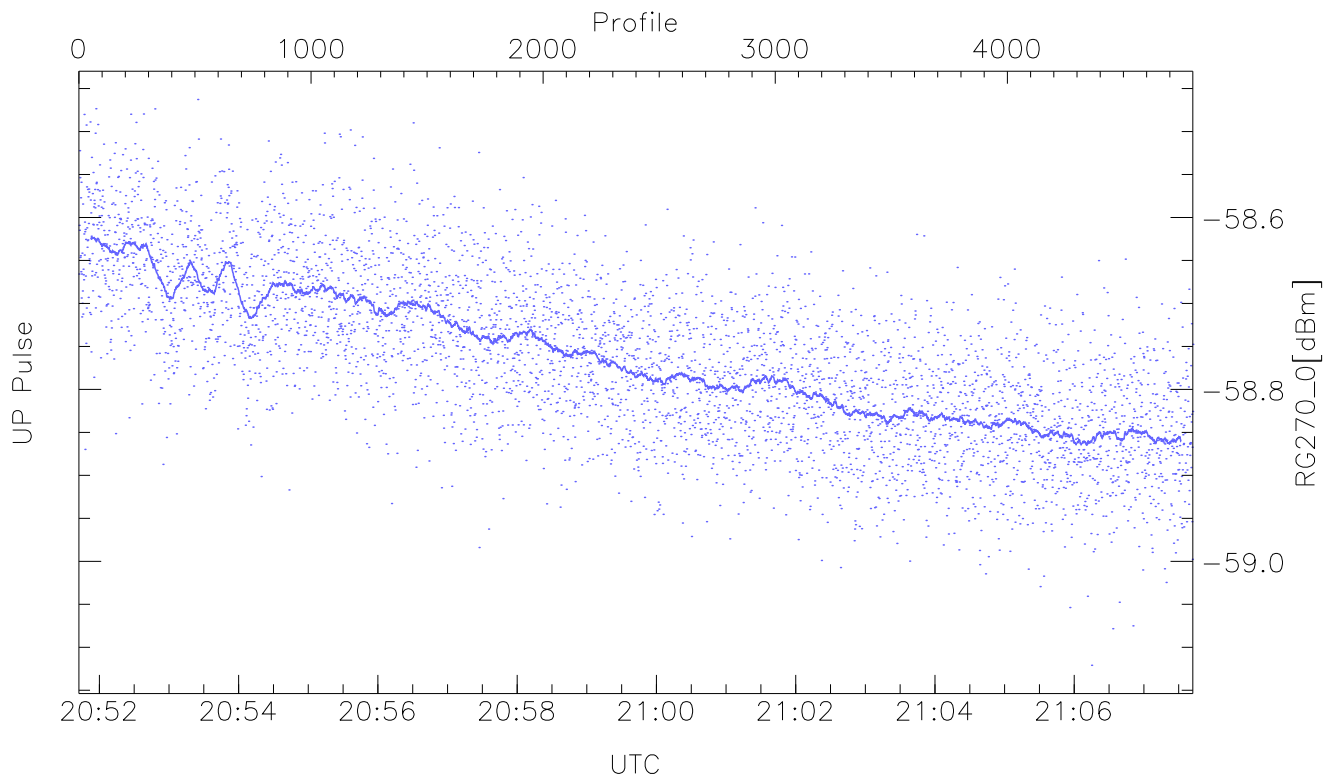
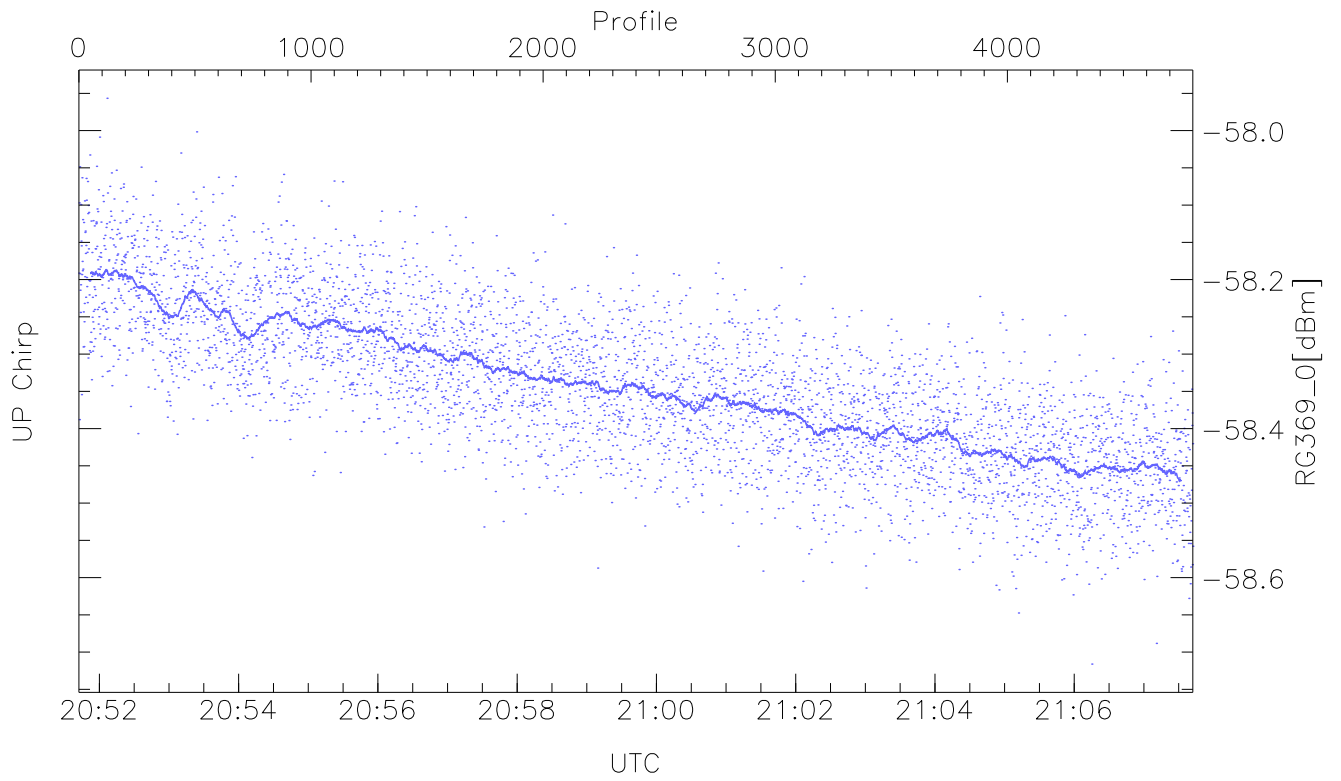
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-58.51	-57.80	-58.21	-58.21	-74.33
Chirp(HL [dBm])	-56.65	-56.13	-56.40	-56.41	-72.78
Pulse(WL [dBm])	-58.88	-58.19	-58.54	-58.54	-75.07
Pulse(HL [dBm])	-58.27	-57.74	-58.03	-58.03	-74.91



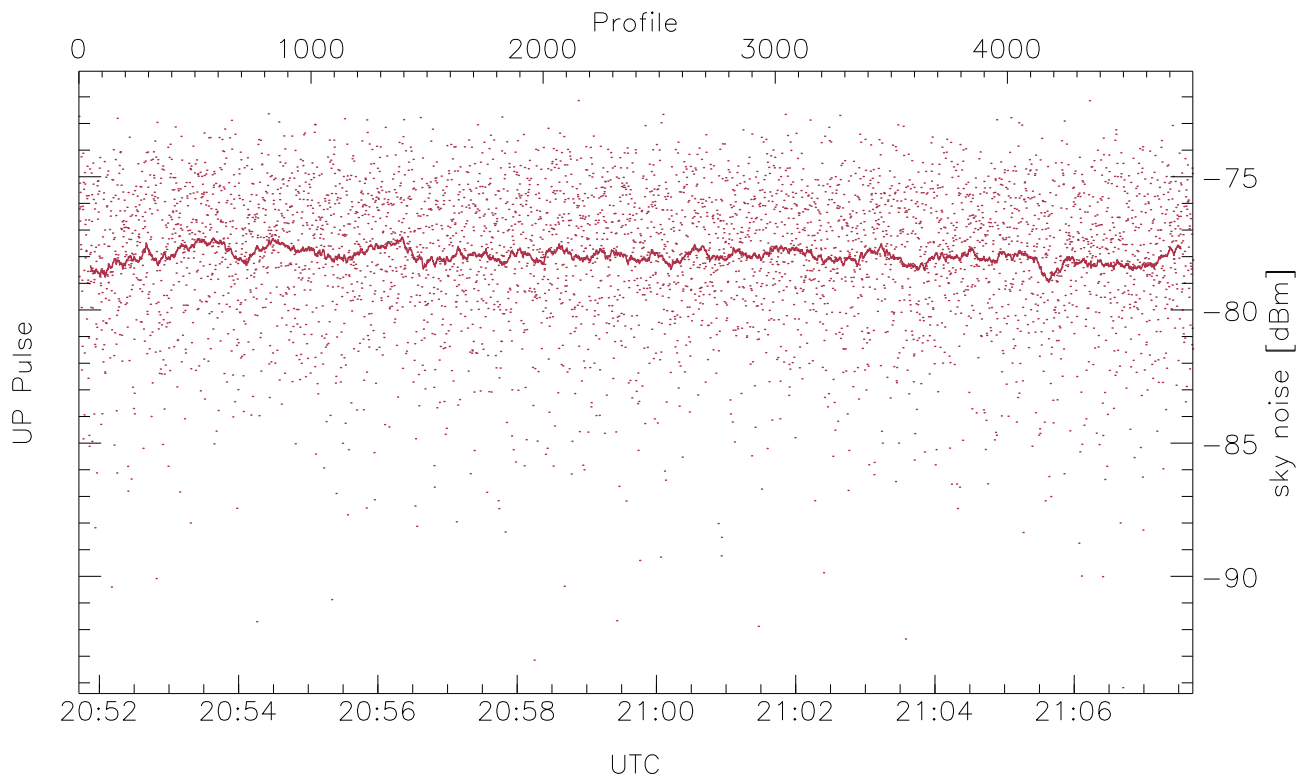
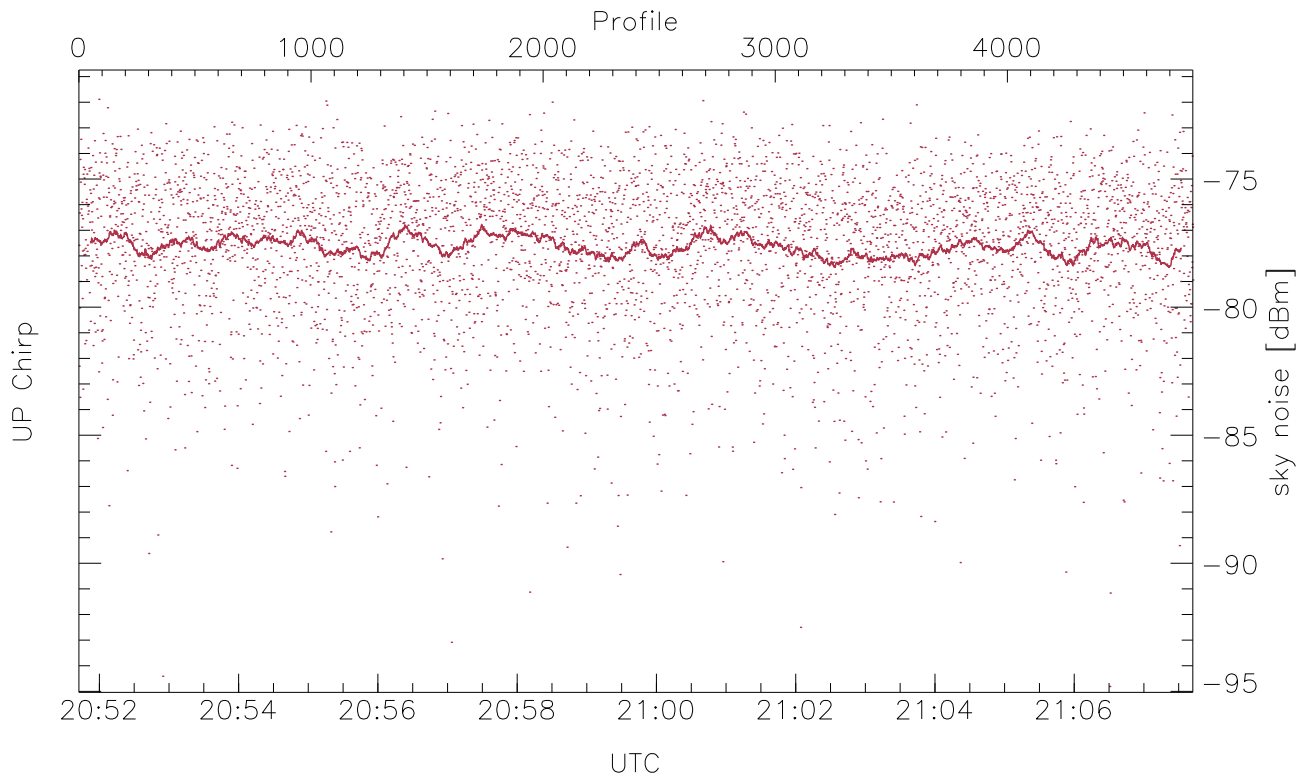
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-58.65	-58.02	-58.34	-58.35	-74.48
UP Pulse(dBm)	-59.08	-58.44	-58.76	-58.76	-75.20



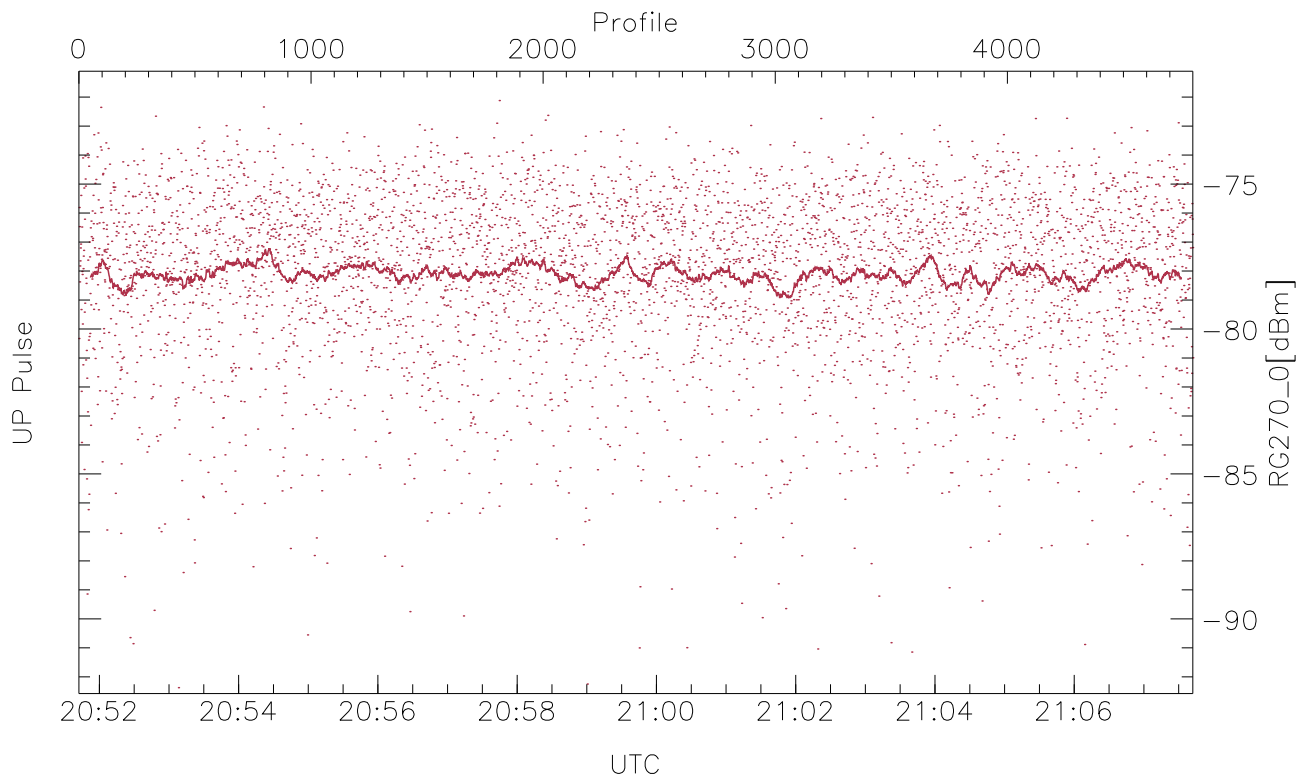
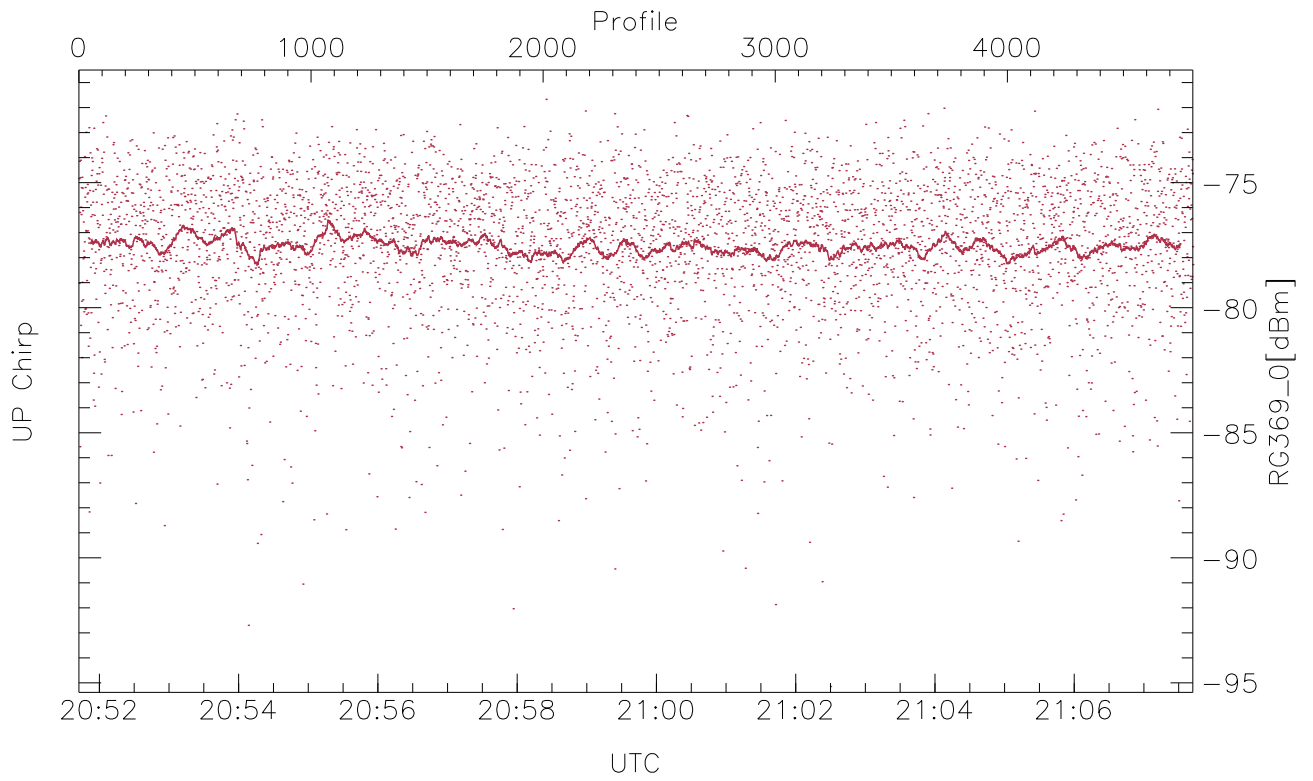
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG369_0	-58.72	-57.96	-58.34	-58.35	-74.50
UP_P_RG270_0	-59.12	-58.46	-58.76	-58.77	-75.20



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

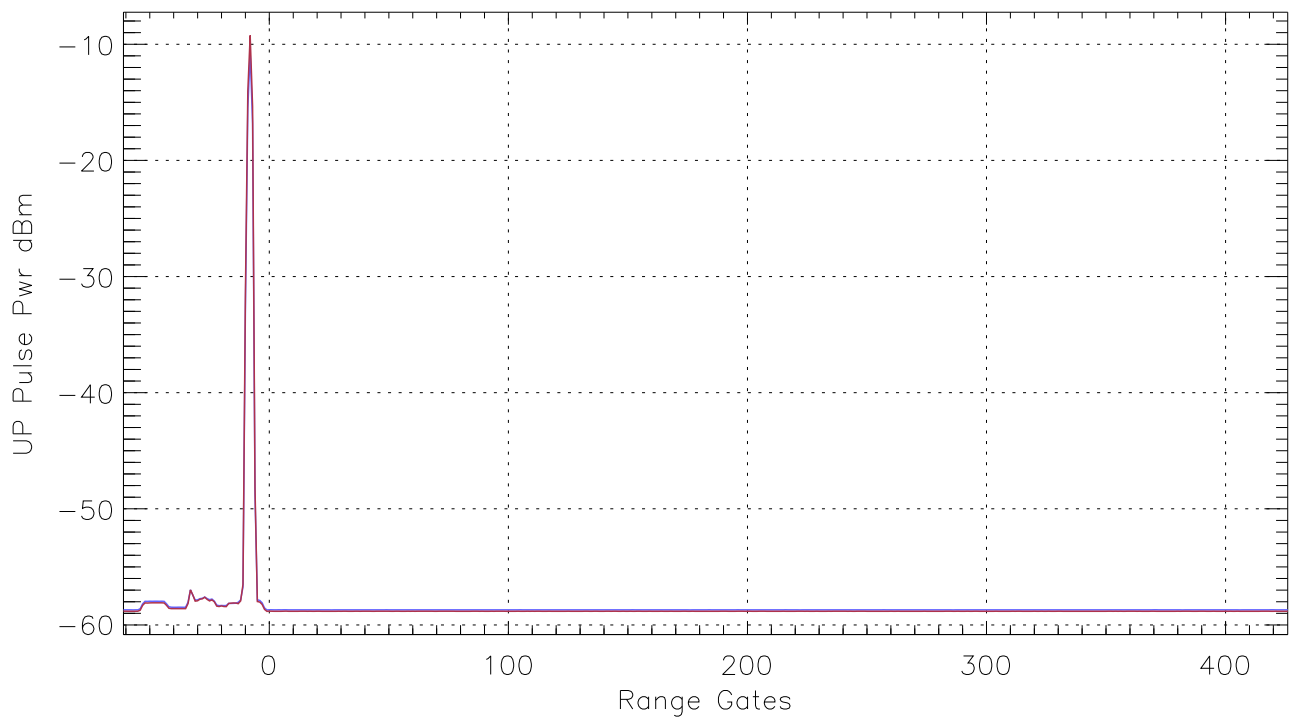
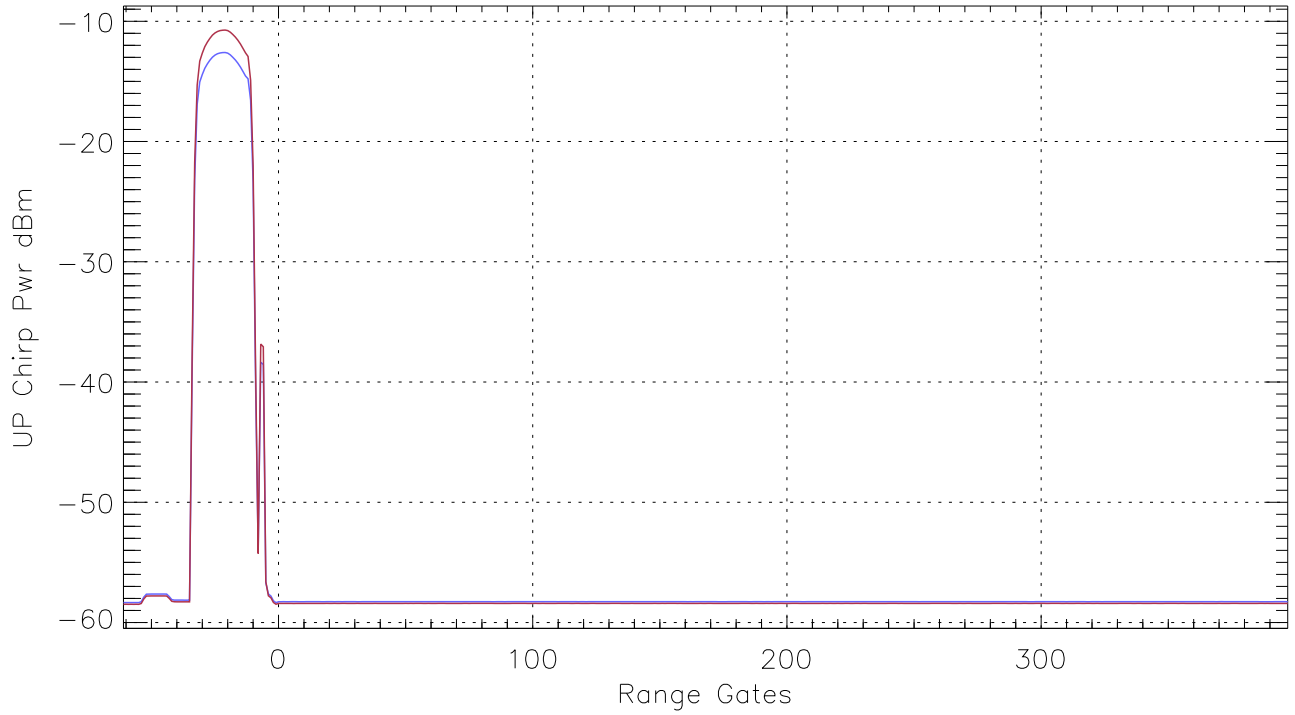
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-94.81	-71.89	-76.88	-77.10	-79.67
UP Pulse(dBm)	-94.18	-72.14	-77.26	-77.55	-80.05



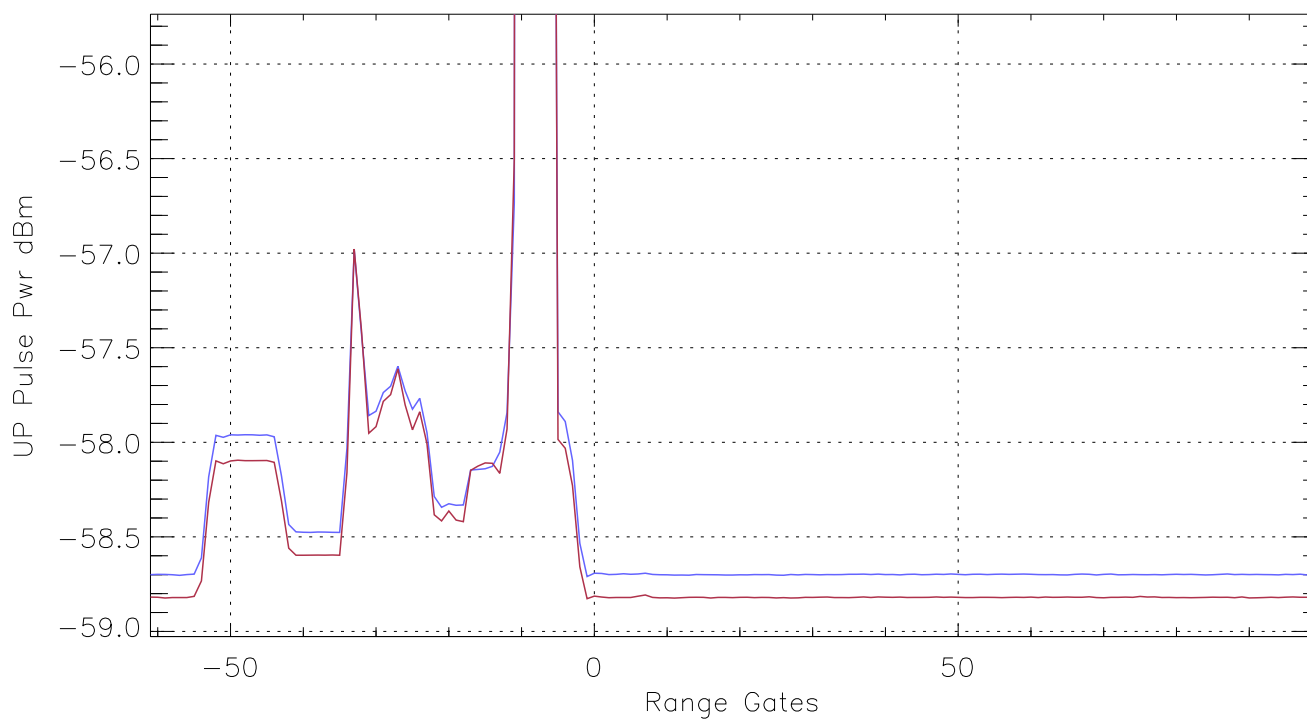
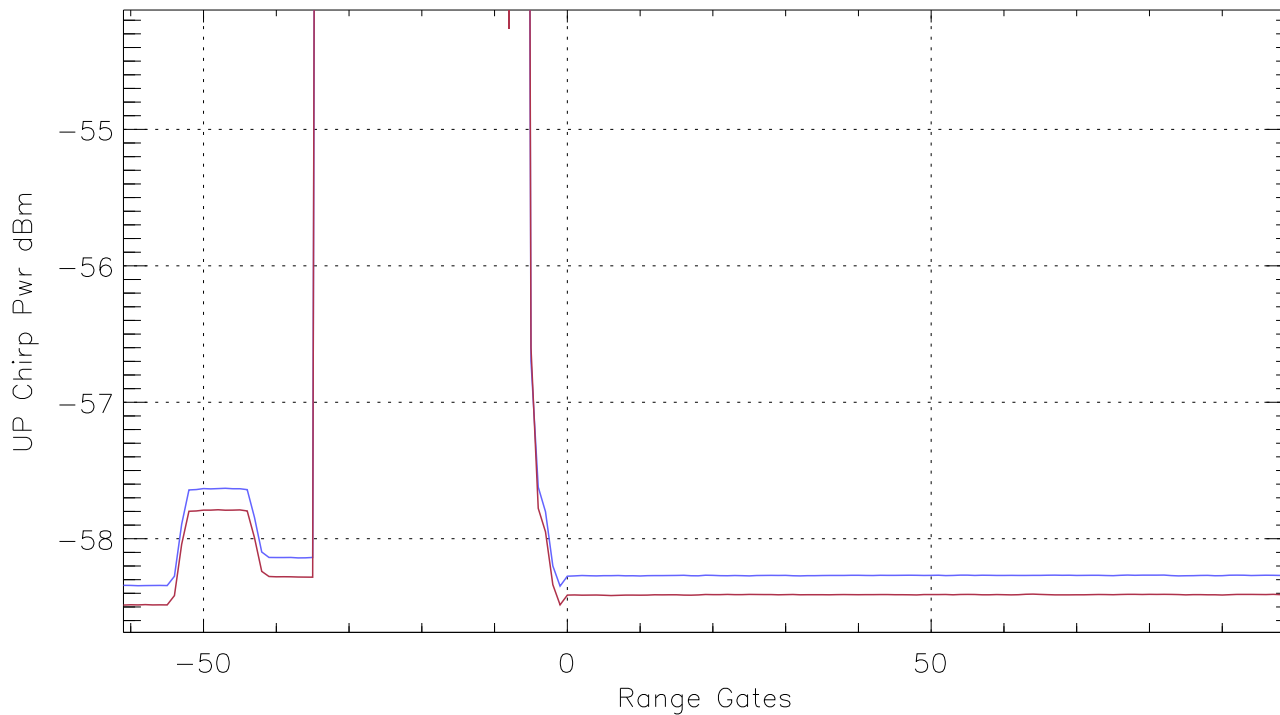
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG369_0	-95.14	-71.67	-76.80	-77.07	-79.64
UP_P_RG270_0	-92.37	-72.12	-77.35	-77.63	-80.11

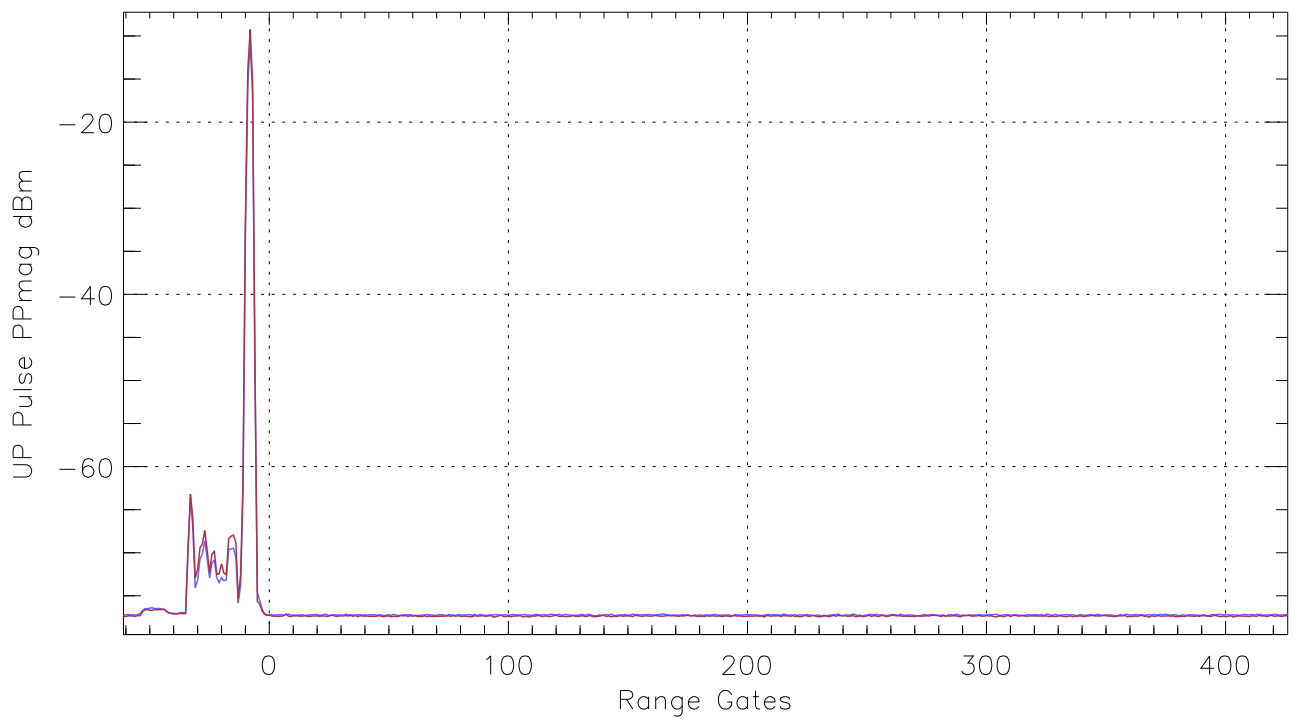
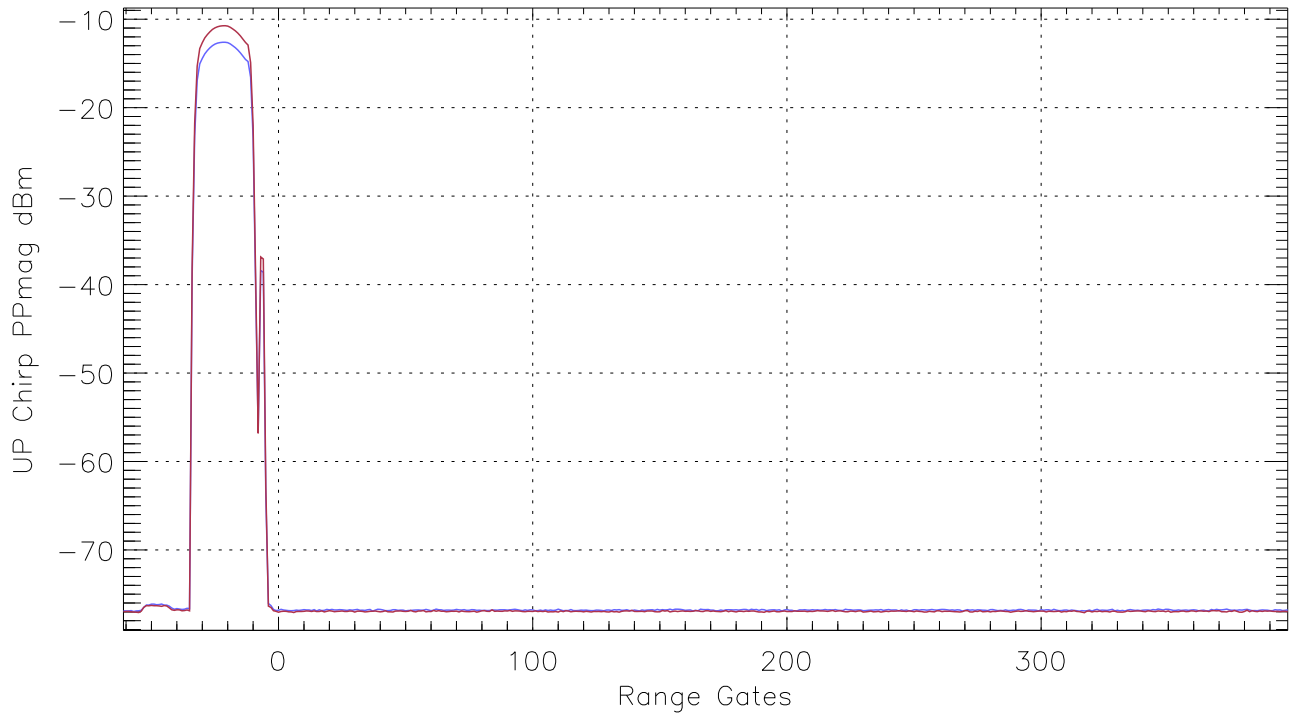




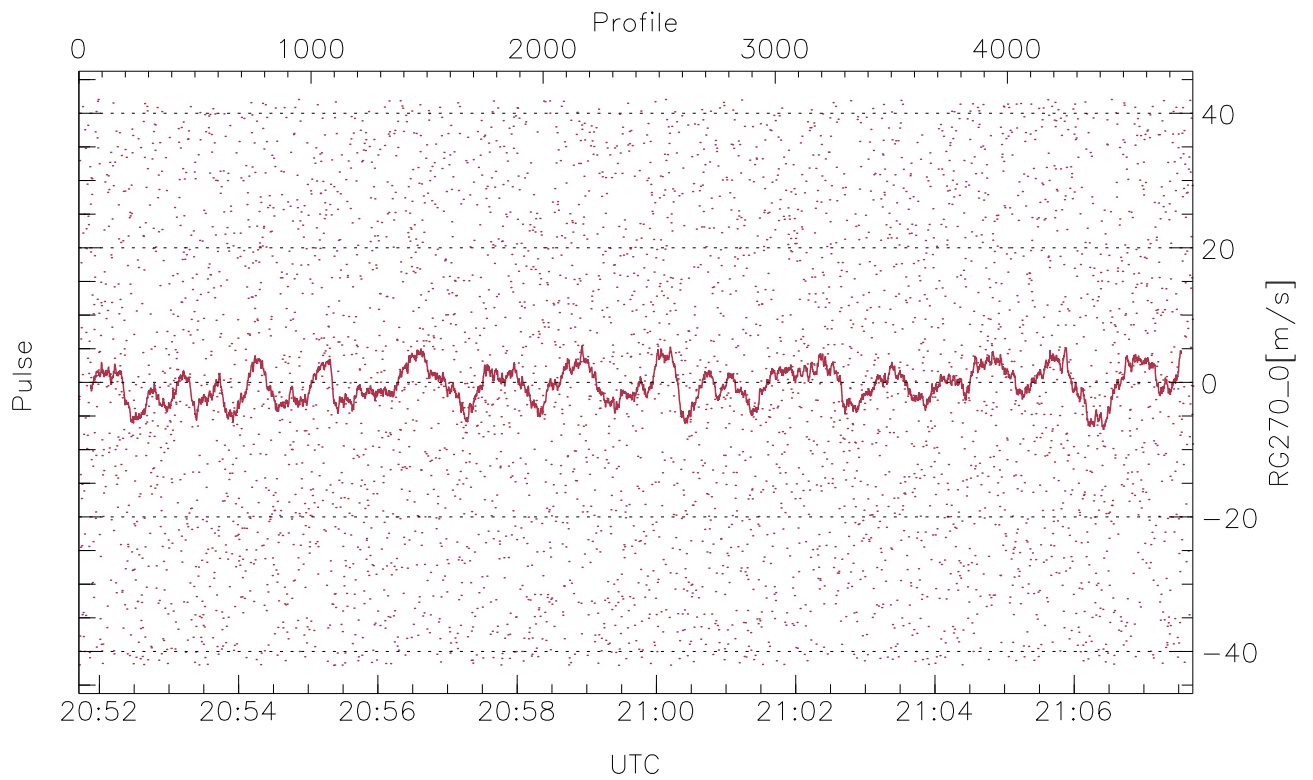
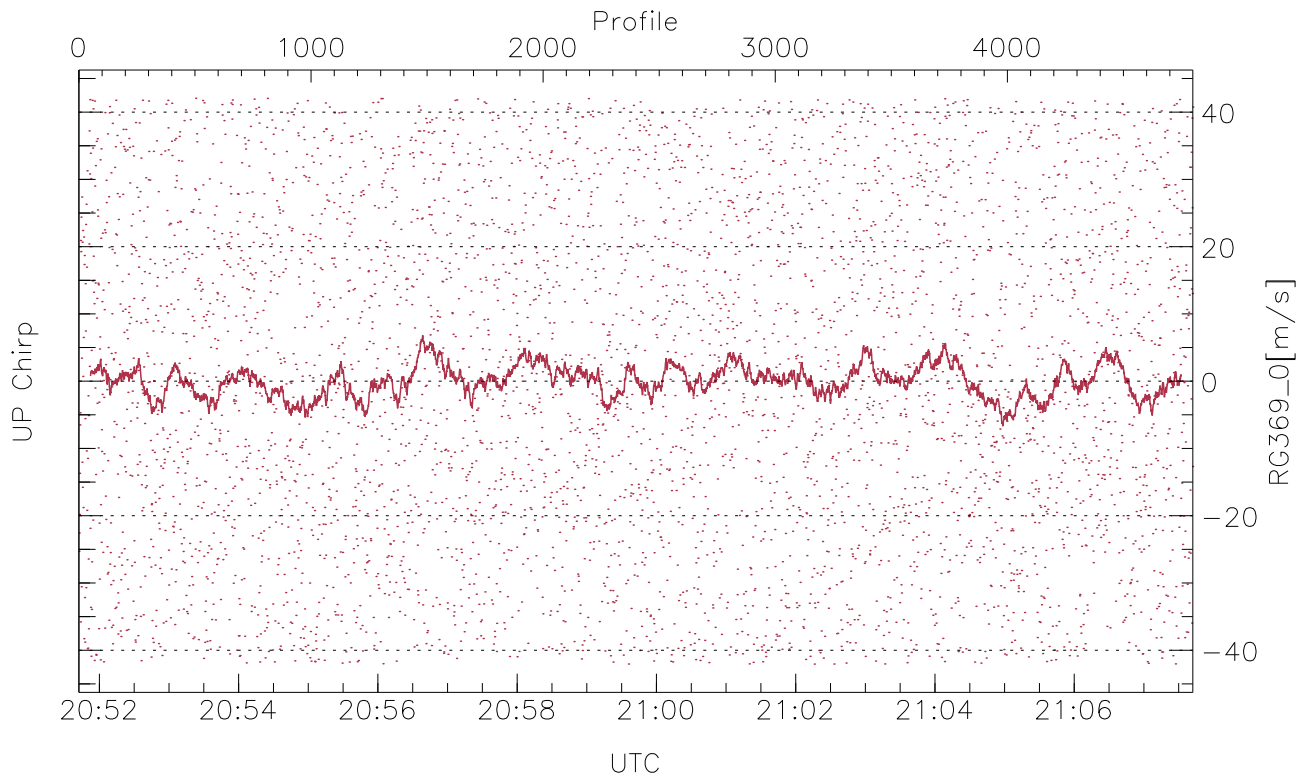
KPR SPP Averaged Received power for all recorded gates  
blue: 205142-205942, 2401 profiles averaged  
red: 205942-210742, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 205142-205942, 2401 profiles averaged  
red: 205942-210742, 2400 profiles averaged

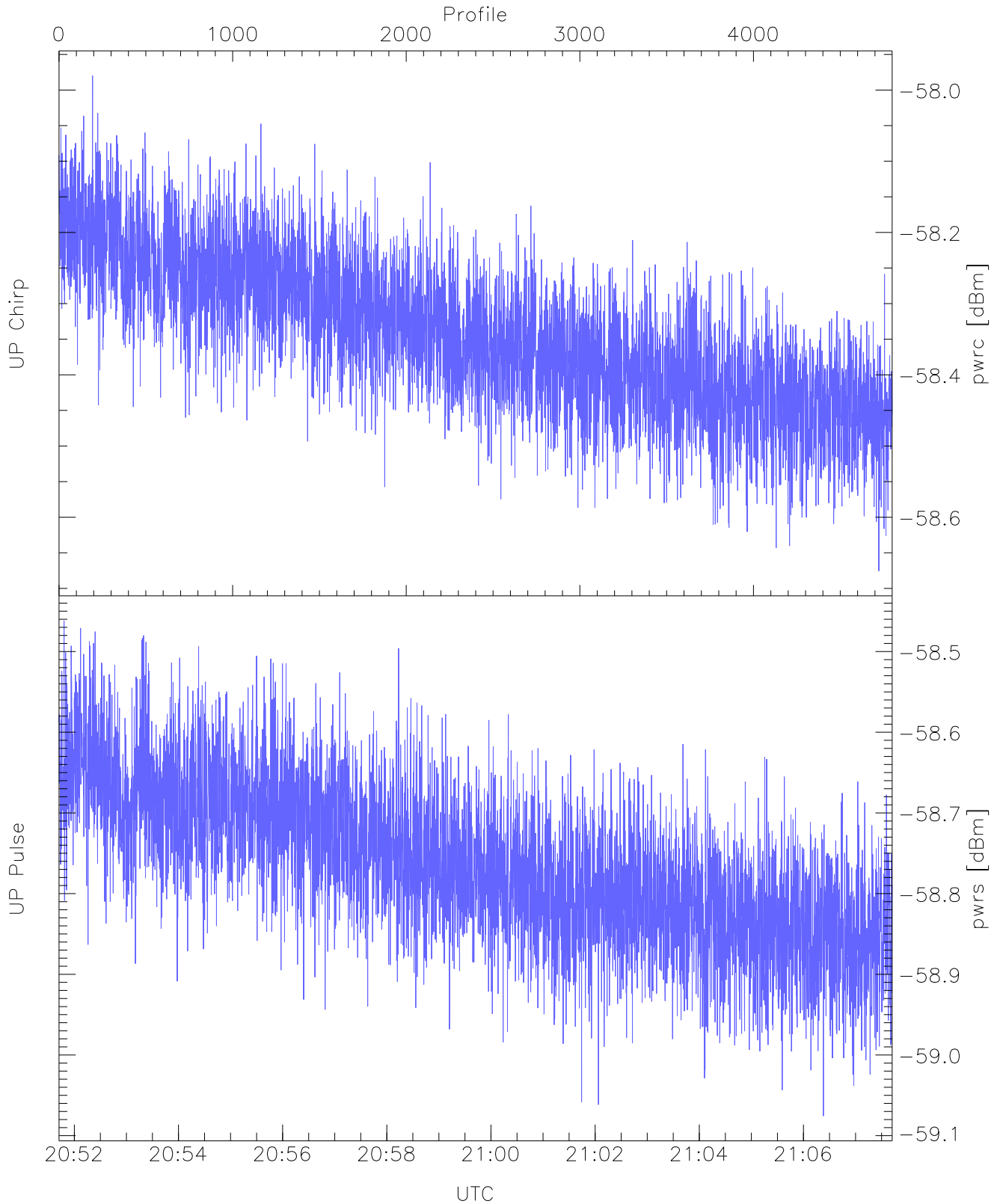


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 205142-205942, 2401 profiles averaged  
red: 205942-210742, 2400 profiles averaged



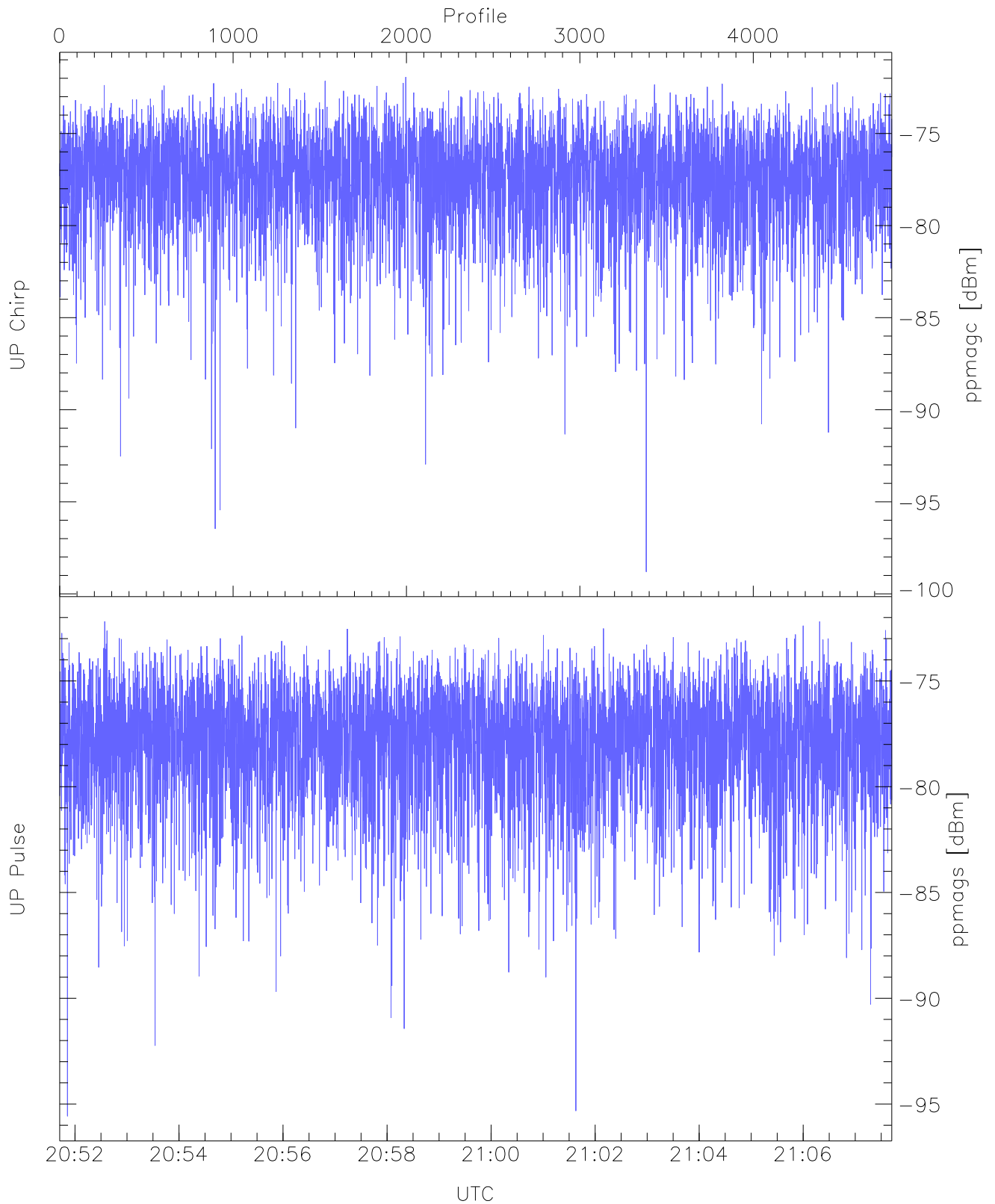
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG369_0	-42.06	42.05	-0.00	-0.90	24.07
UP_P_RG270_0	-42.06	42.04	-0.34	-0.73	24.07



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

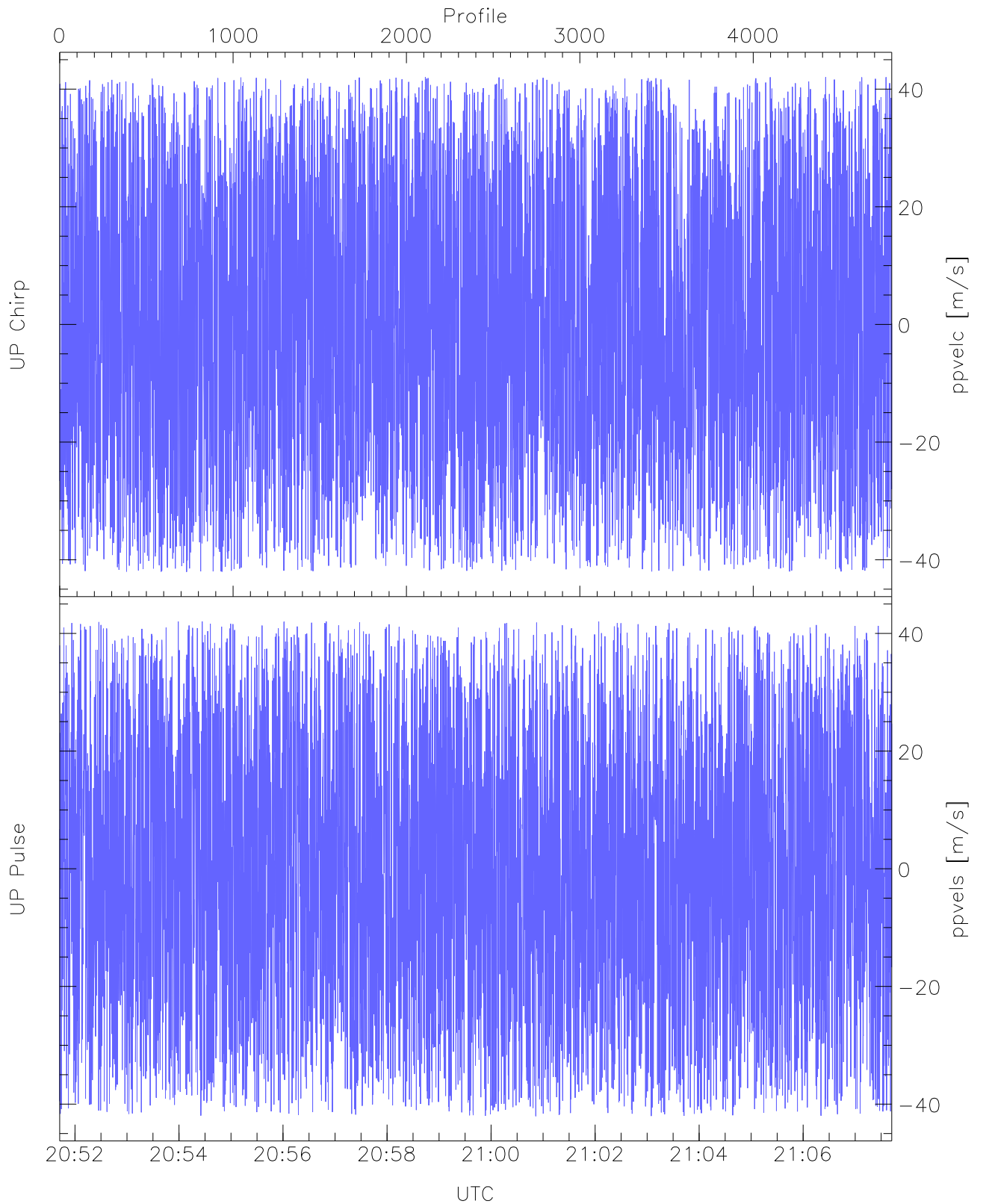
	Min	Max	Mean
UP Chirp(dBm)	-58.68	-57.98	-58.34
UP Pulse(dBm)	-59.08	-58.46	-58.76



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

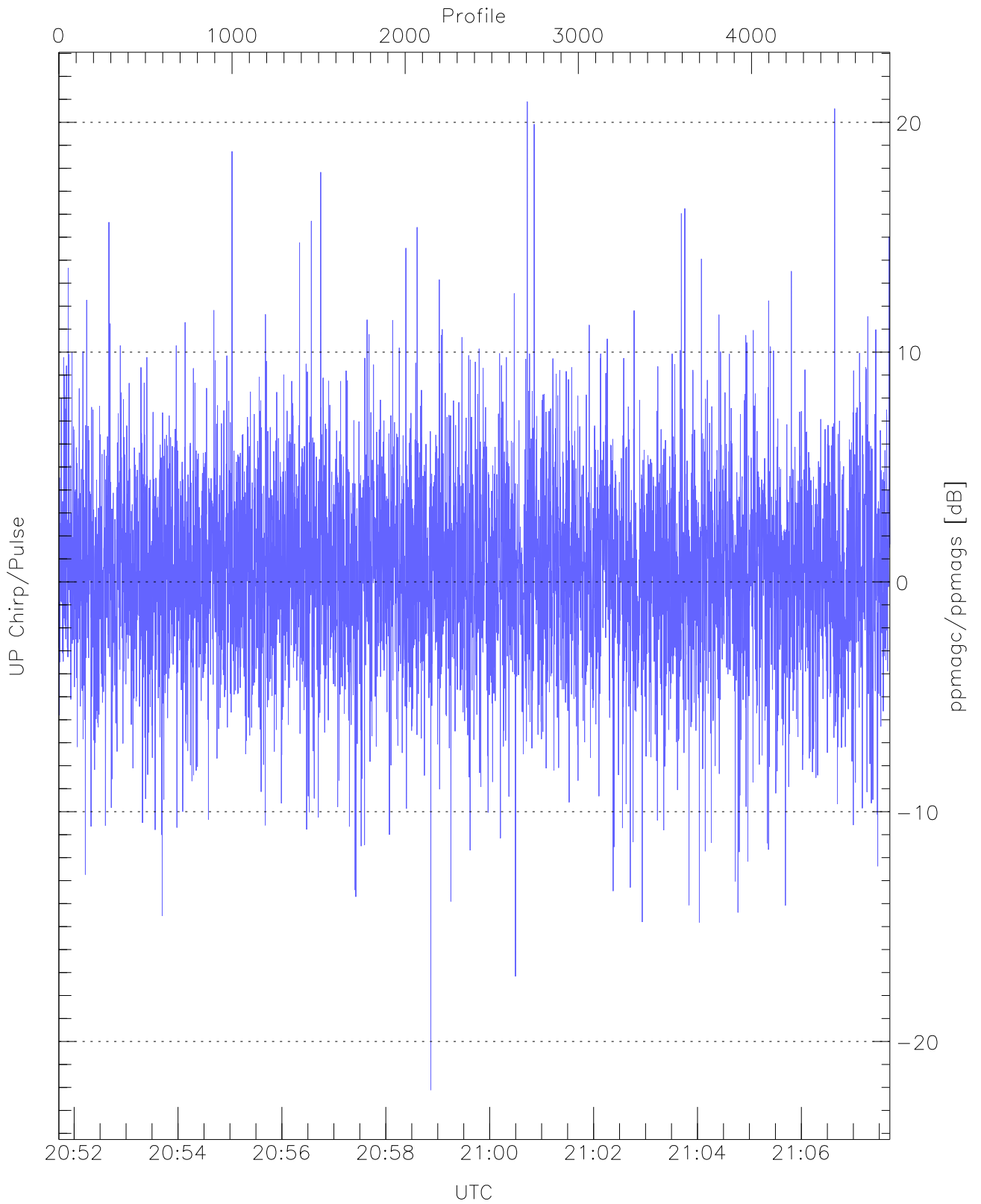
KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-98.80	-71.93	-76.84
UP Pulse(dBm)	-95.58	-72.18	-77.28



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)	-42.06	42.05	-0.00
UP Pulse(m/s)	-42.05	42.05	-0.39



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-22.12	20.90	2.48