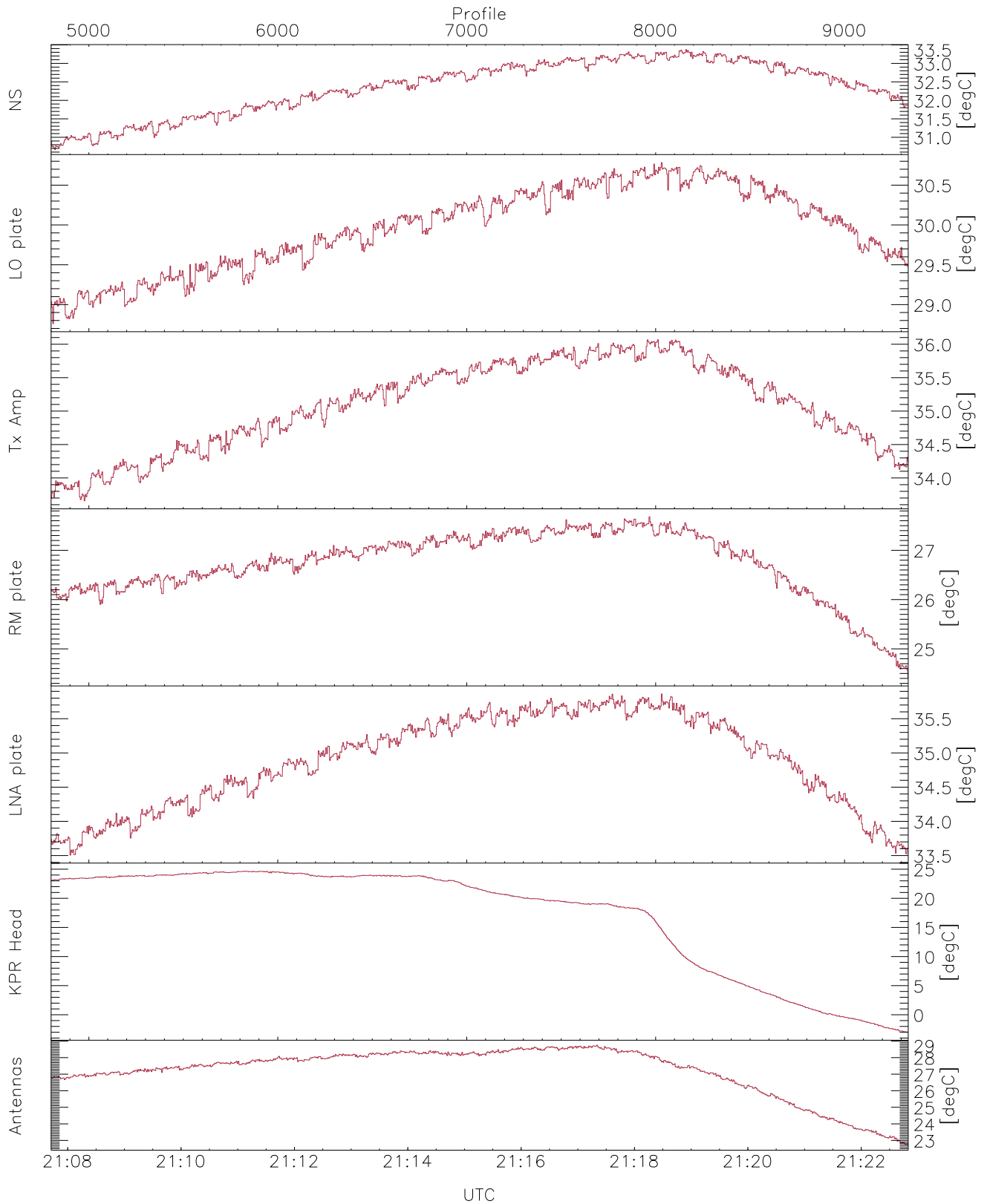


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 20:51:42-21:22:50, TimeCor: 0.00s, Dur: 907.40s
 TimeInt(min,max,mn,std): 186.4,213.6,200.0,0.8 ms; PPS: 5.0
 NumRec(r/t): 4538/9338, 4800-9337/21:07:42-21:22:50
 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

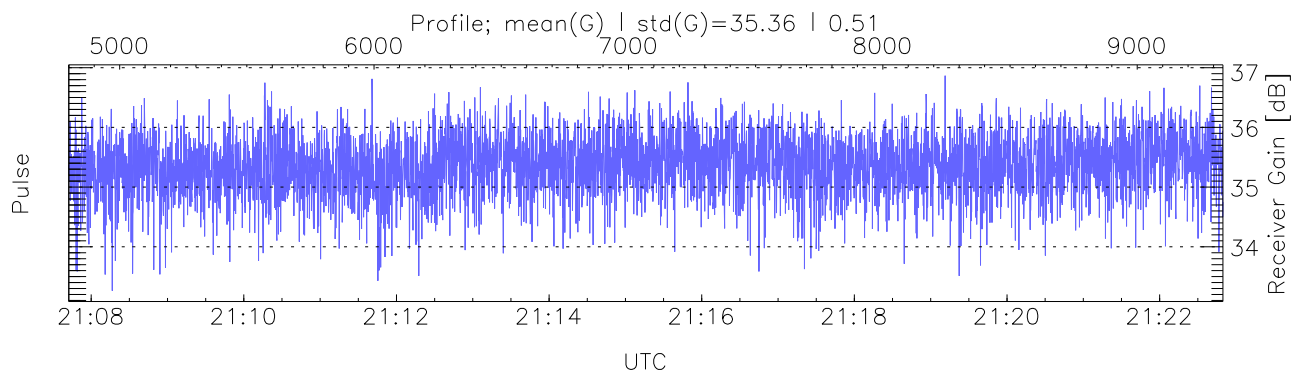
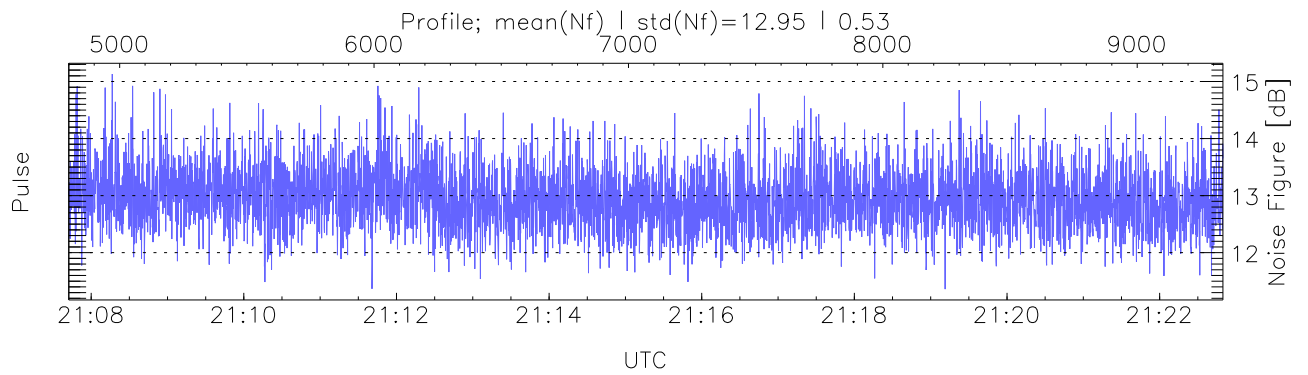
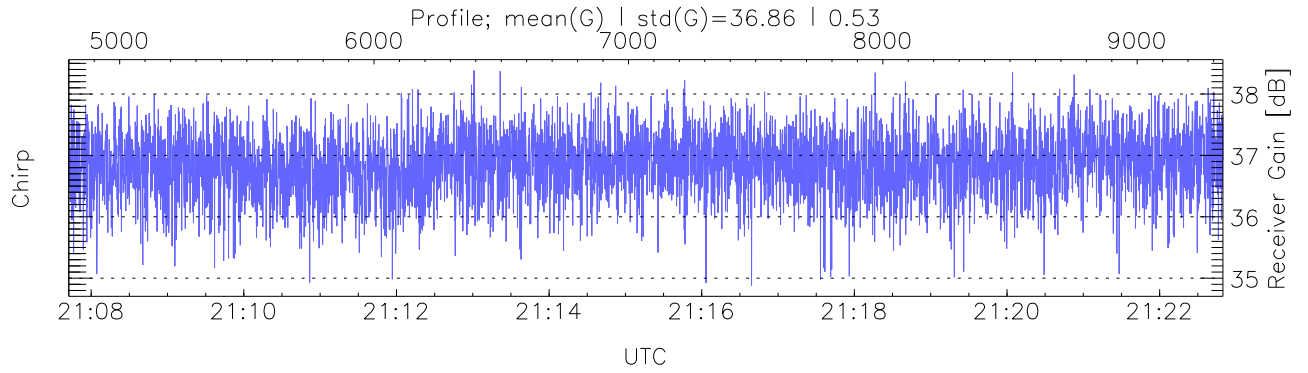
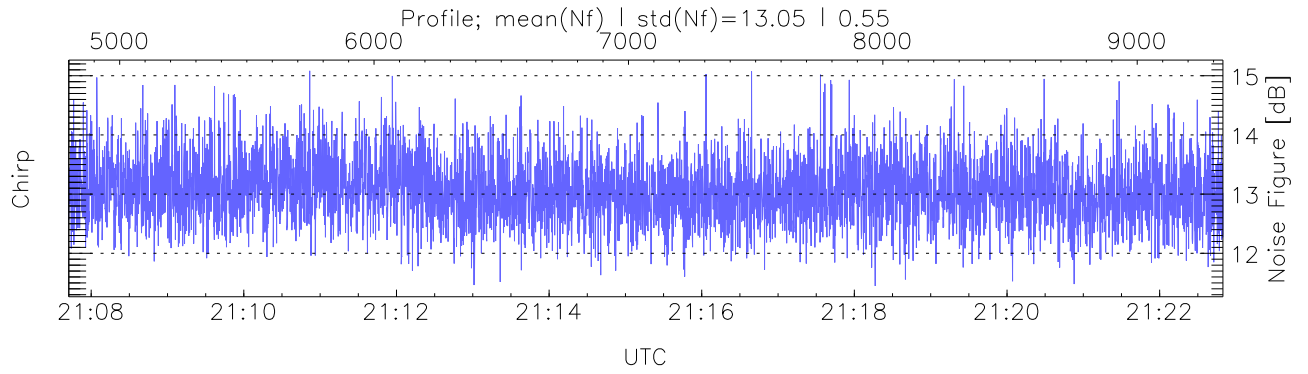


KPR SPP Temperatures, Power Supplies, PLO lock:

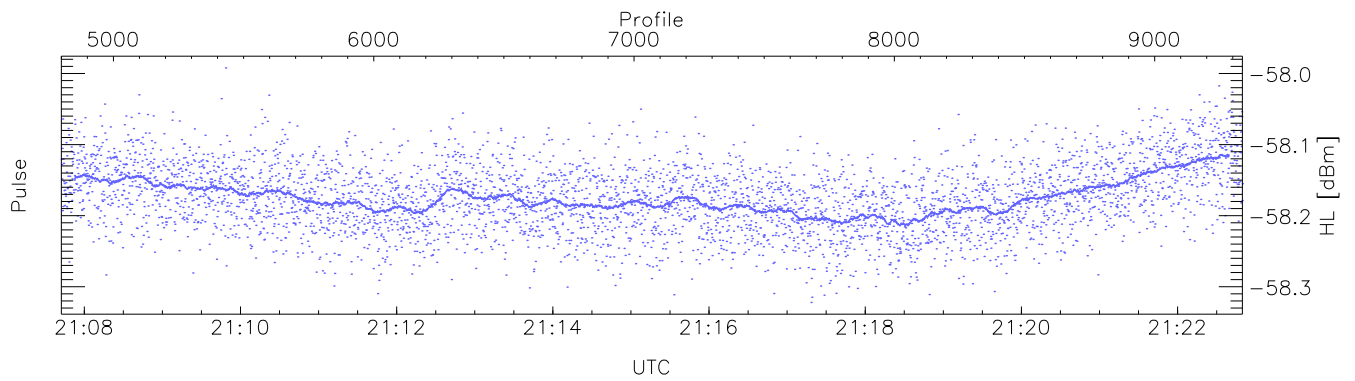
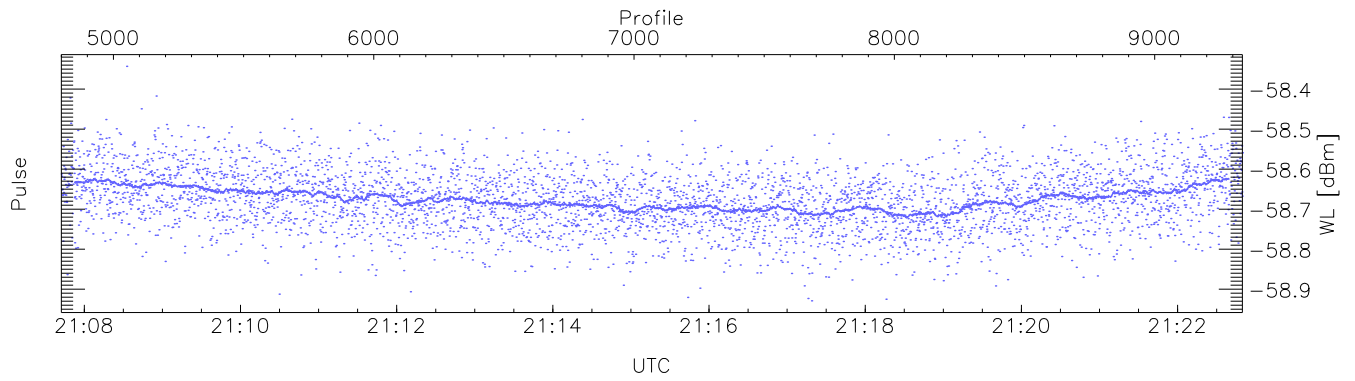
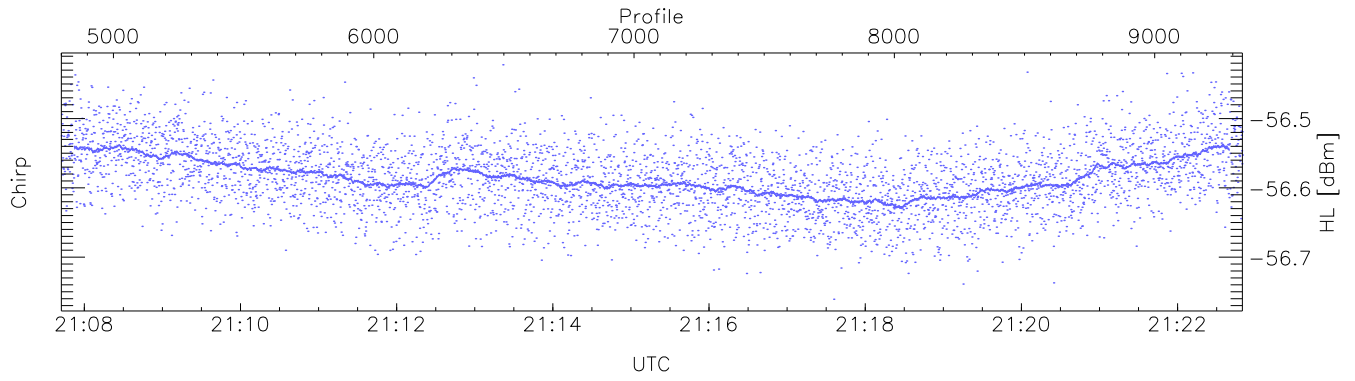
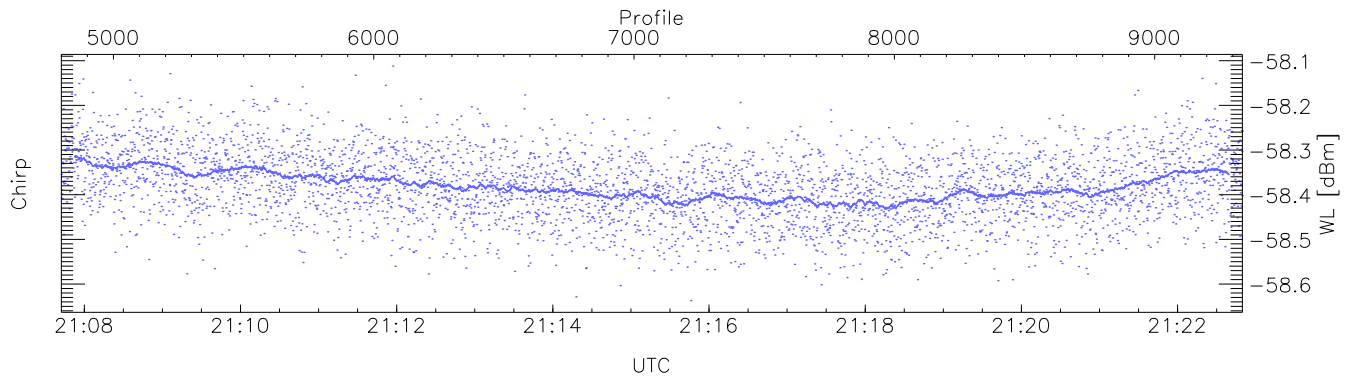
temperature: NS, LO, Tx, RM, LNA, Head, Ant
 mintempC: 30.7, 28.8, 33.7, 24.4, 33.5, -3.0, 22.7
 maxtempC: 33.4, 30.8, 36.1, 27.7, 35.9, 24.7, 28.7
 meantempC: 32.4, 30.0, 35.1, 26.7, 34.9, 16.9, 27.2

PwrSply: 28, 12, 8, 5 VDC
 minVDC: 25.87, 11.68, 7.87, 5.22
 maxVDC: 28.00, 11.73, 7.90, 5.23
 meanVDC: 26.88, 11.71, 7.88, 5.23

PLO(3.84,15.84 GHz) unlocked: None

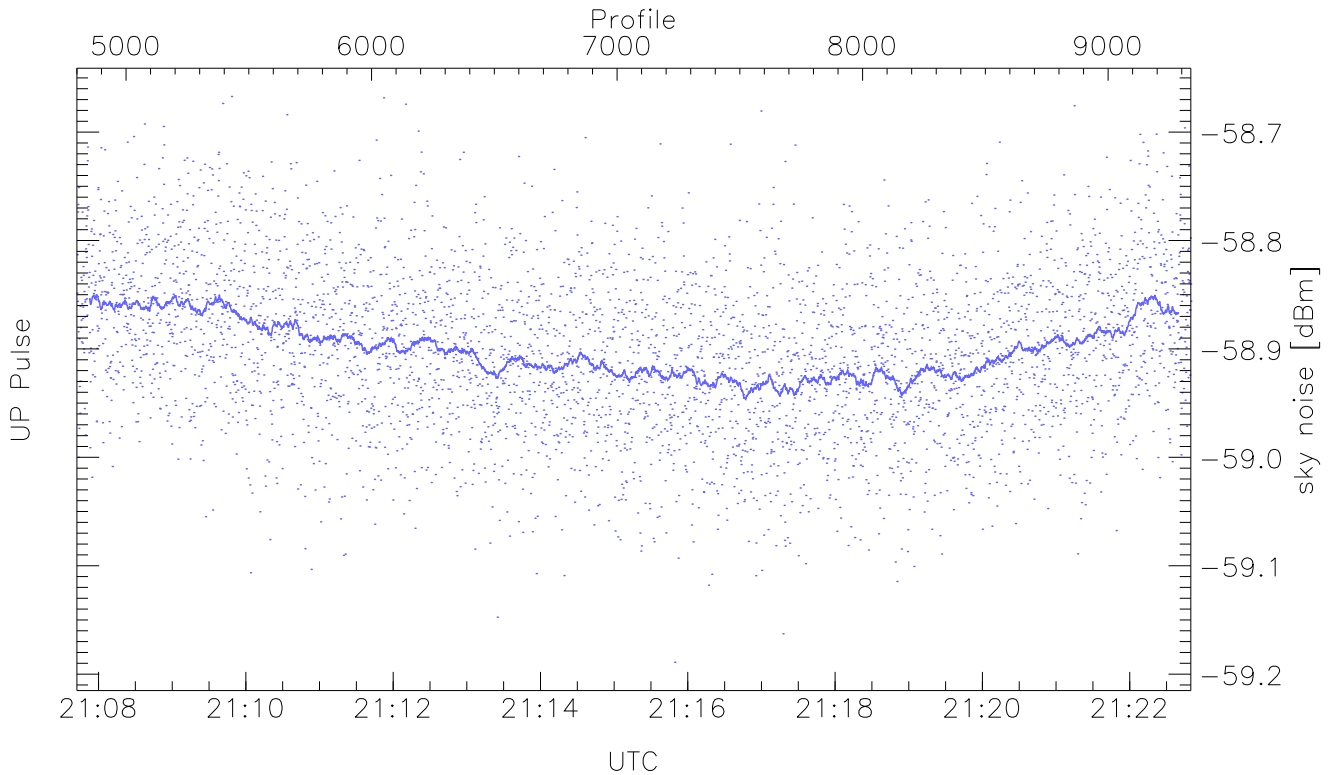
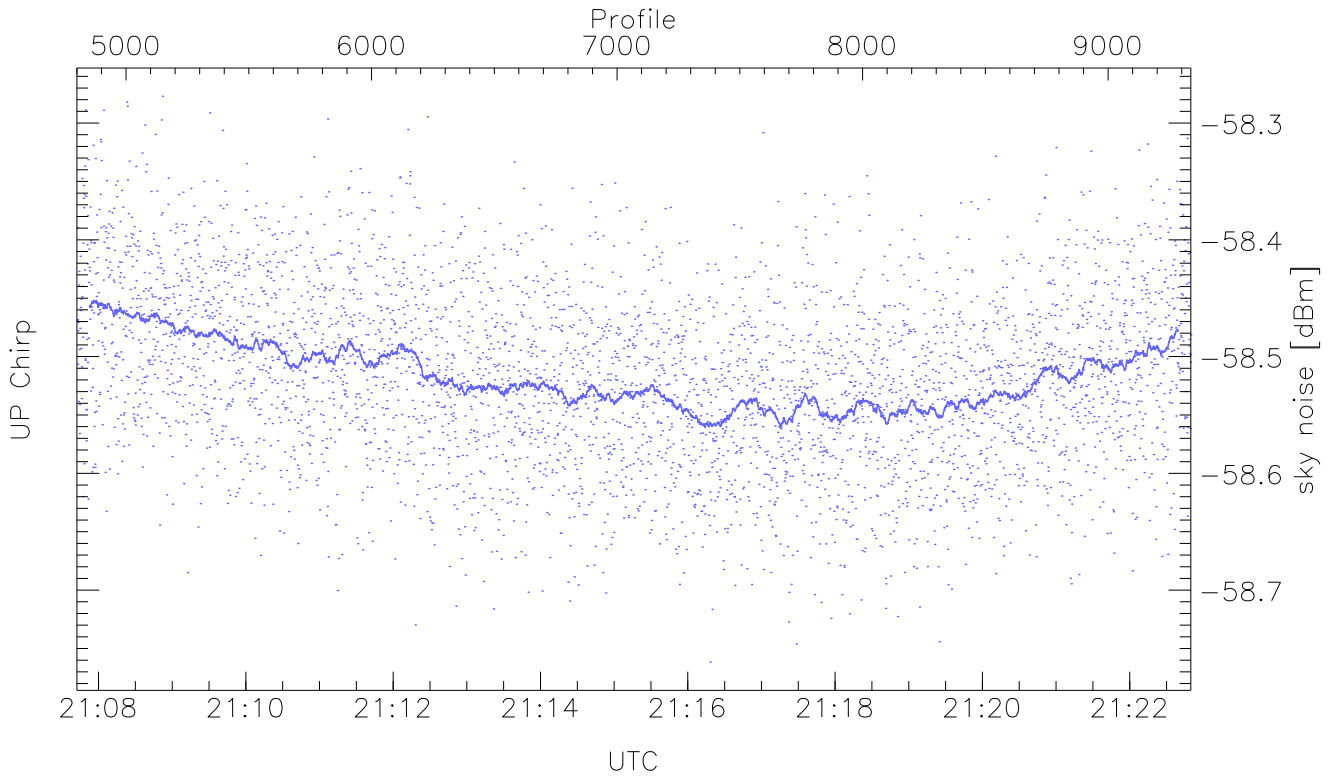


KPR SPP Receiver Gain and Noise Figure



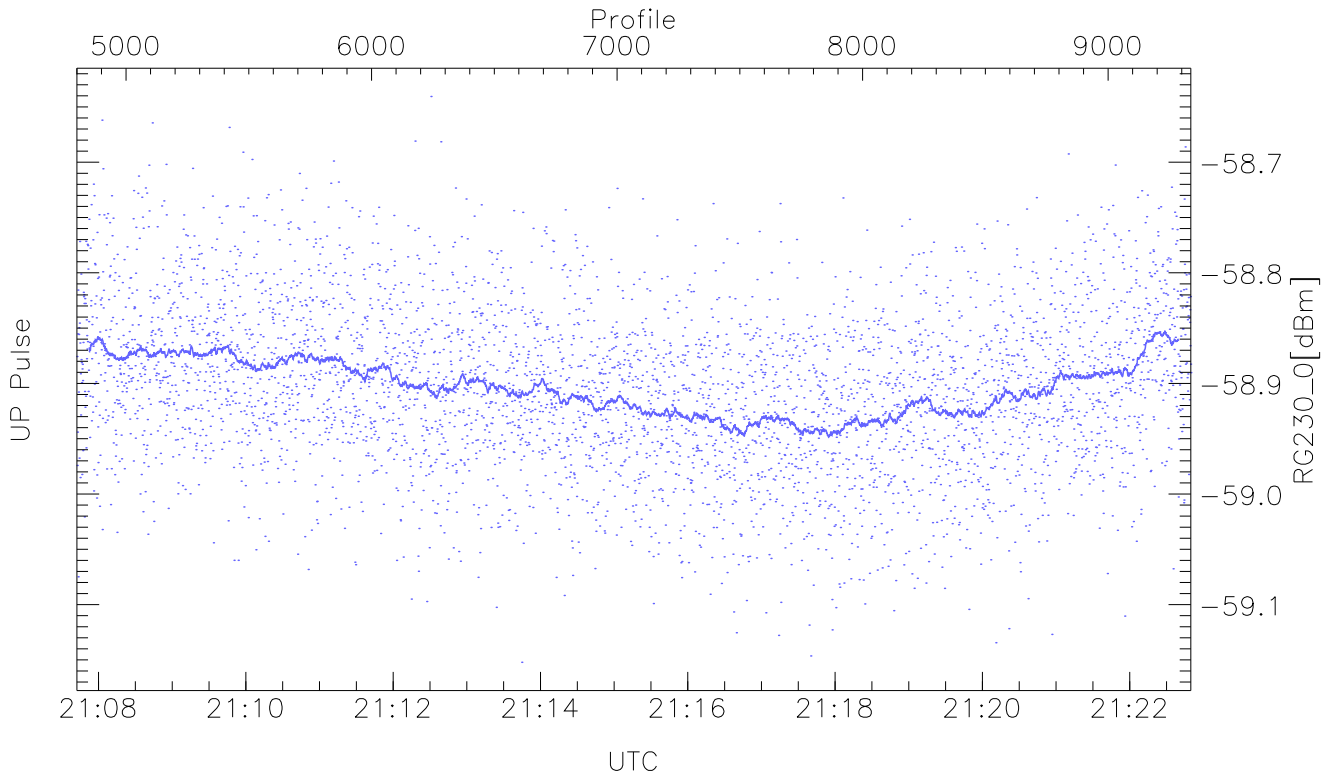
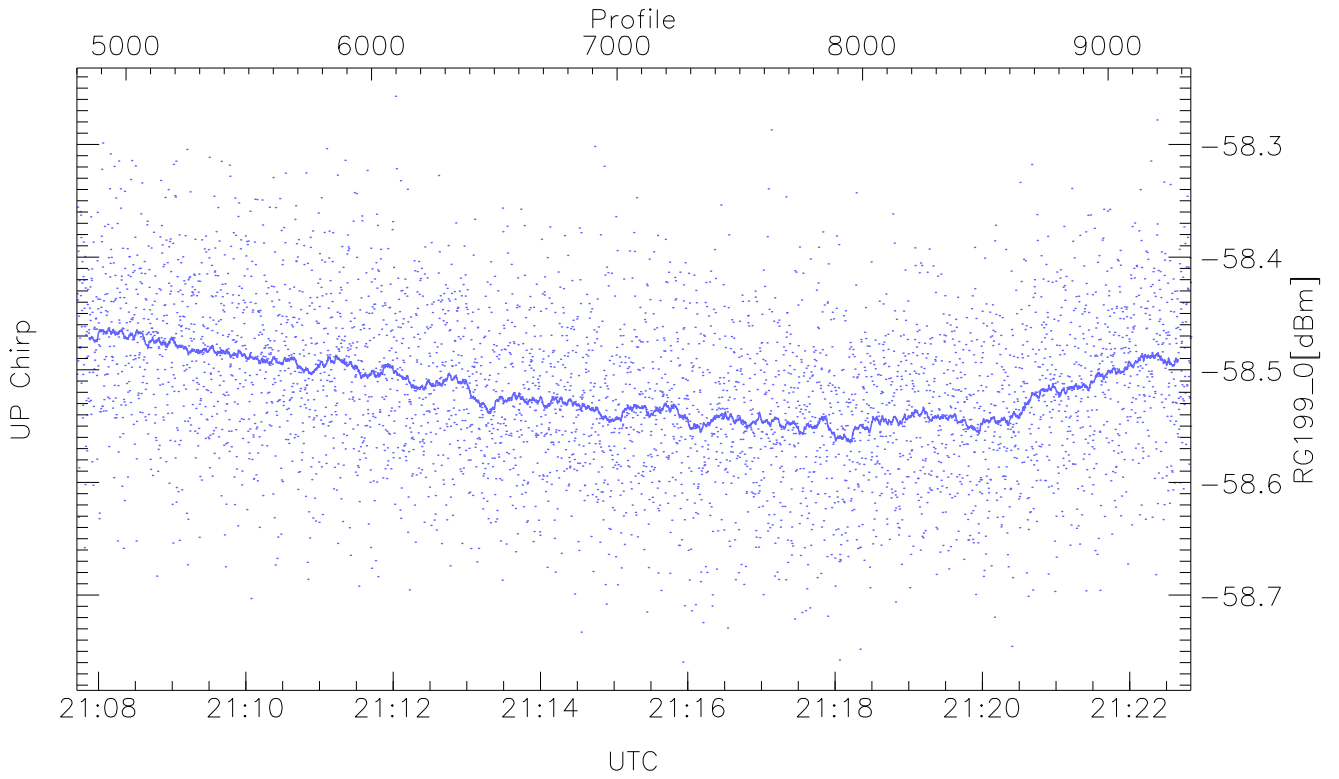
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-58.64	-58.11	-58.38	-58.38	-76.00
Chirp(HL [dBm])	-56.76	-56.42	-56.58	-56.59	-76.15
Pulse(WL [dBm])	-58.93	-58.34	-58.67	-58.67	-76.45
Pulse(HL [dBm])	-58.32	-57.99	-58.17	-58.18	-77.83



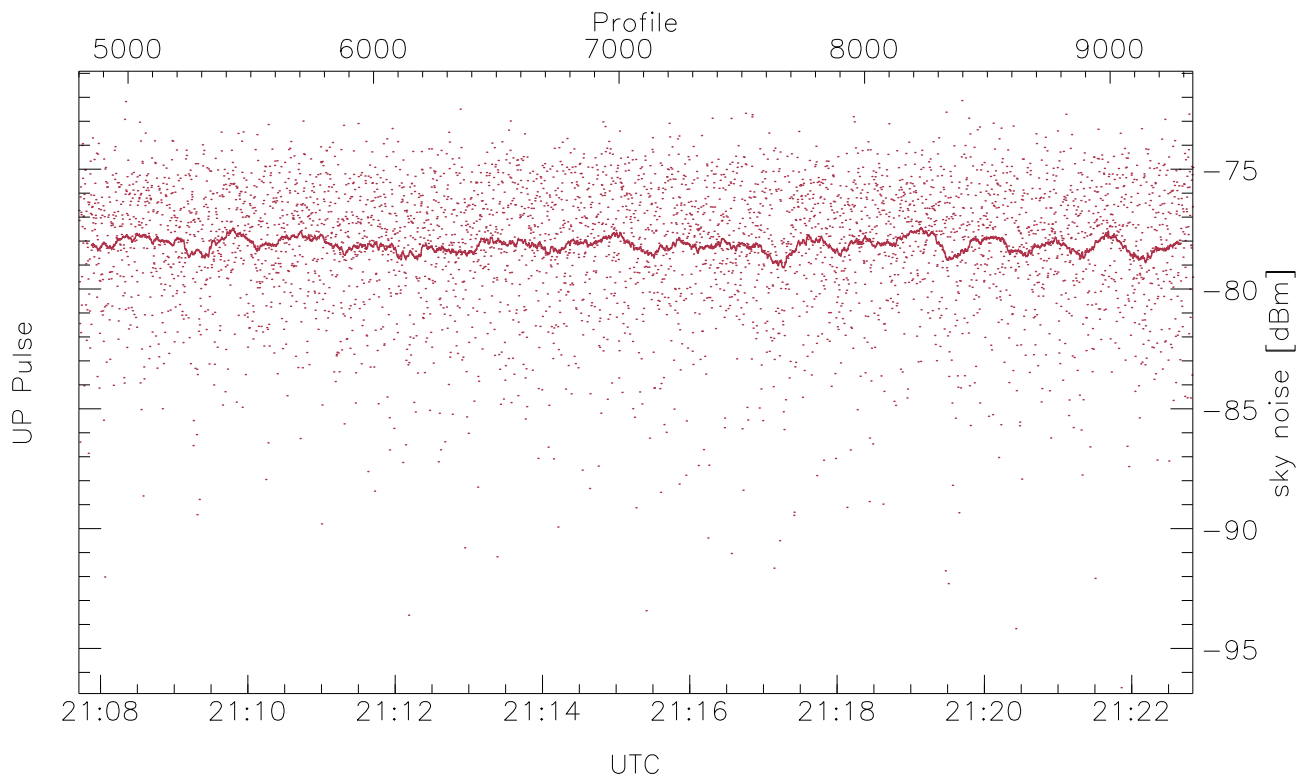
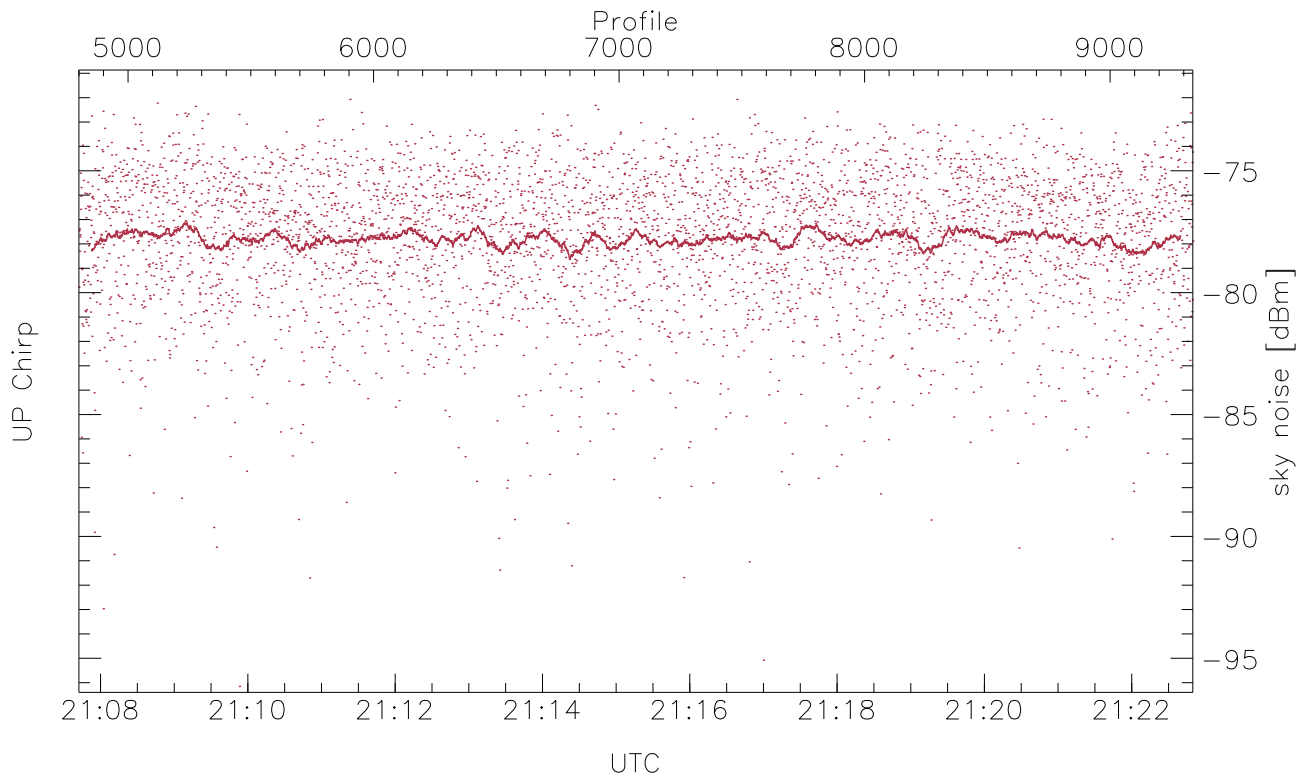
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-58.76	-58.28	-58.52	-58.52	-76.20
UP Pulse(dBm)	-59.19	-58.67	-58.90	-58.90	-76.63



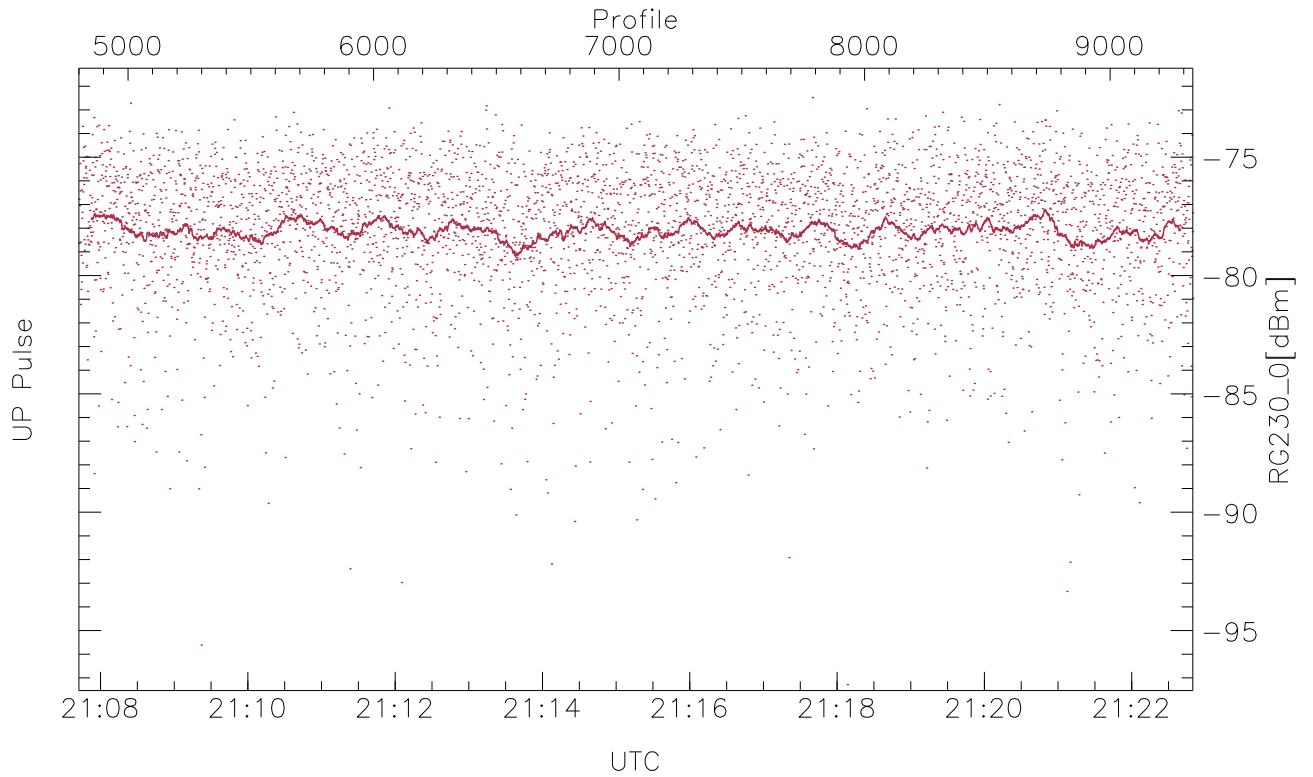
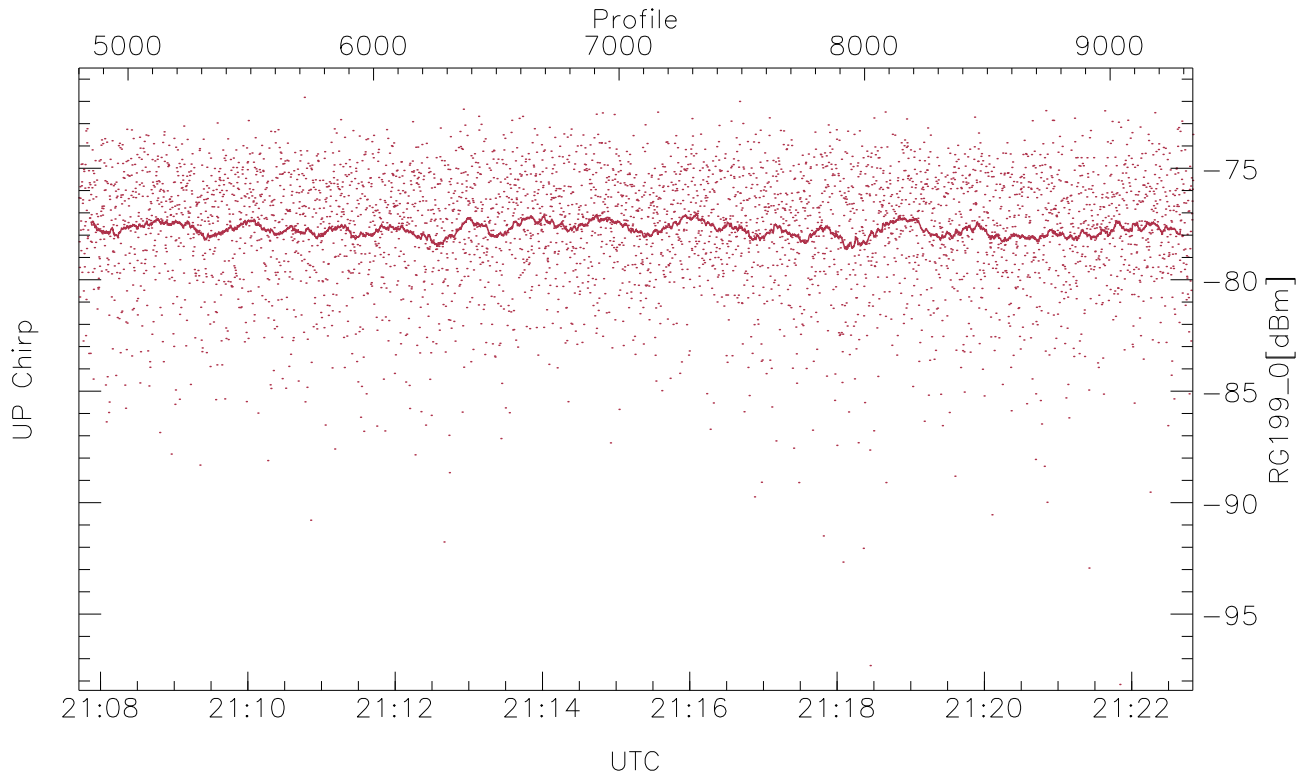
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG199_0	-58.76	-58.26	-58.52	-58.52	-76.22
UP_P_RG230_0	-59.15	-58.64	-58.90	-58.90	-76.68



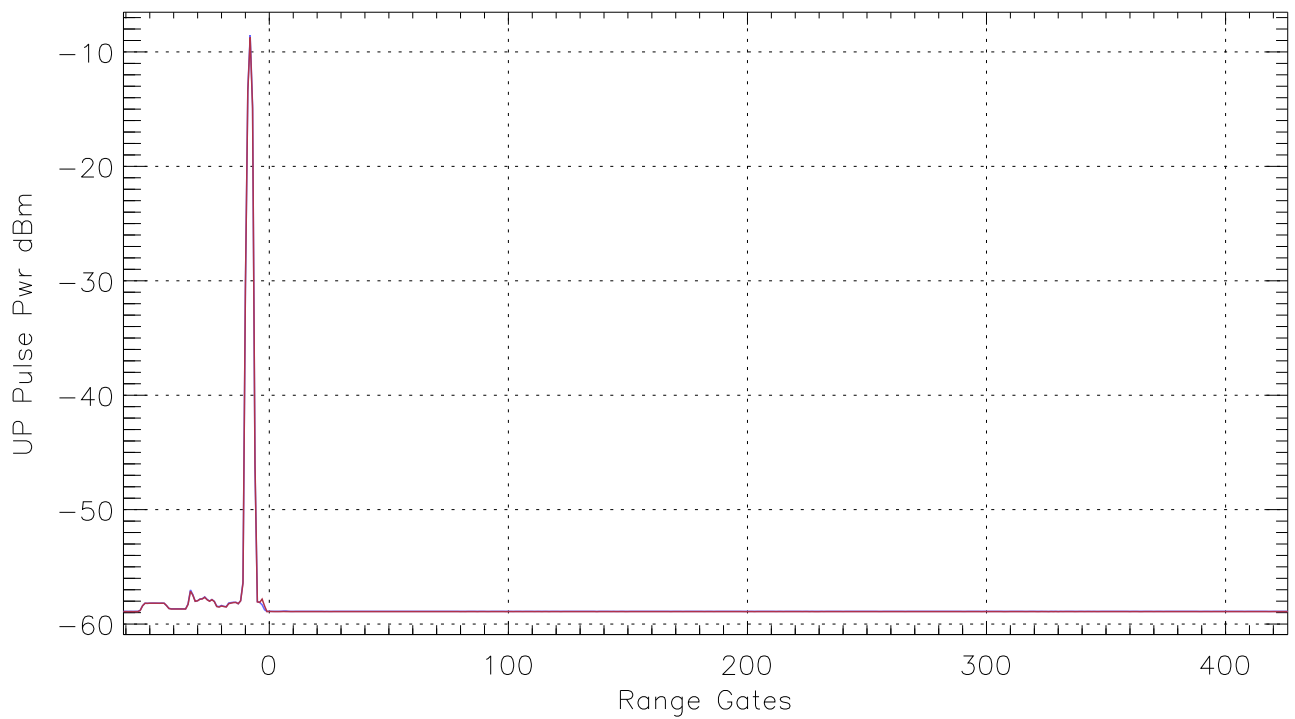
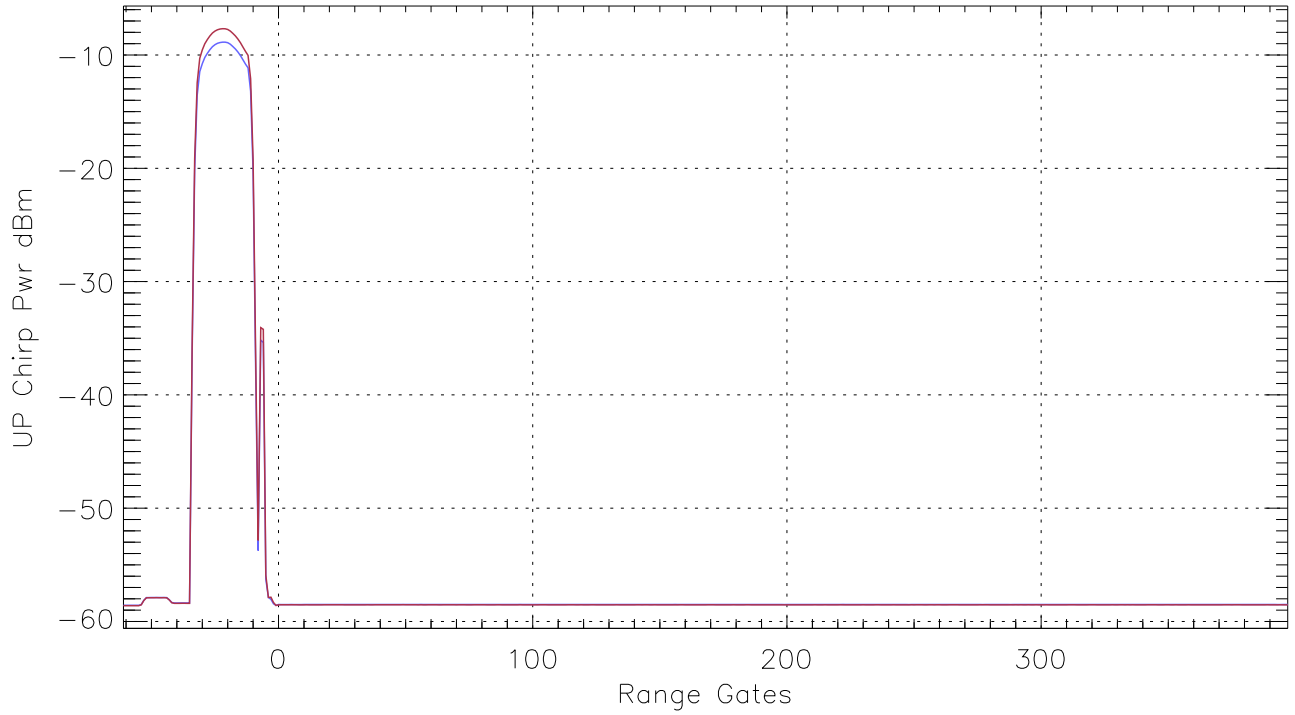
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-96.16	-72.07	-77.05	-77.36	-79.79
UP Pulse(dBm)	-96.64	-72.14	-77.43	-77.65	-80.24

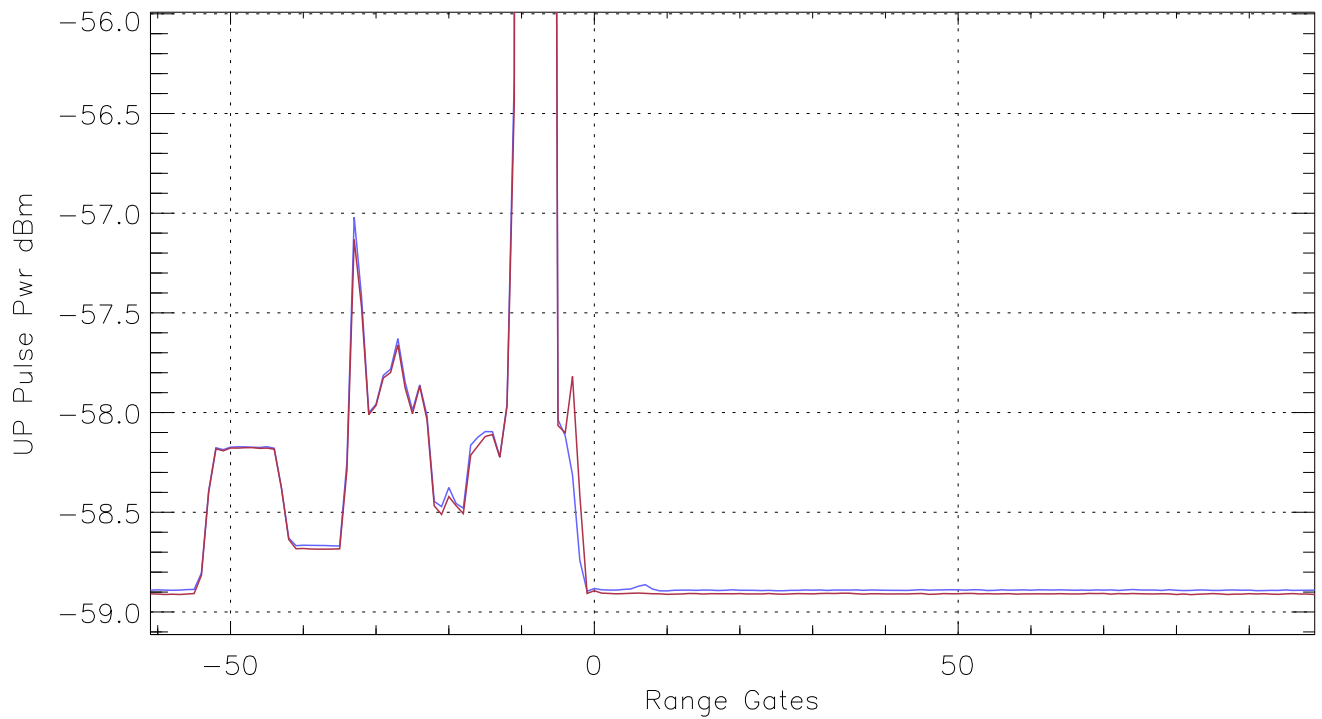
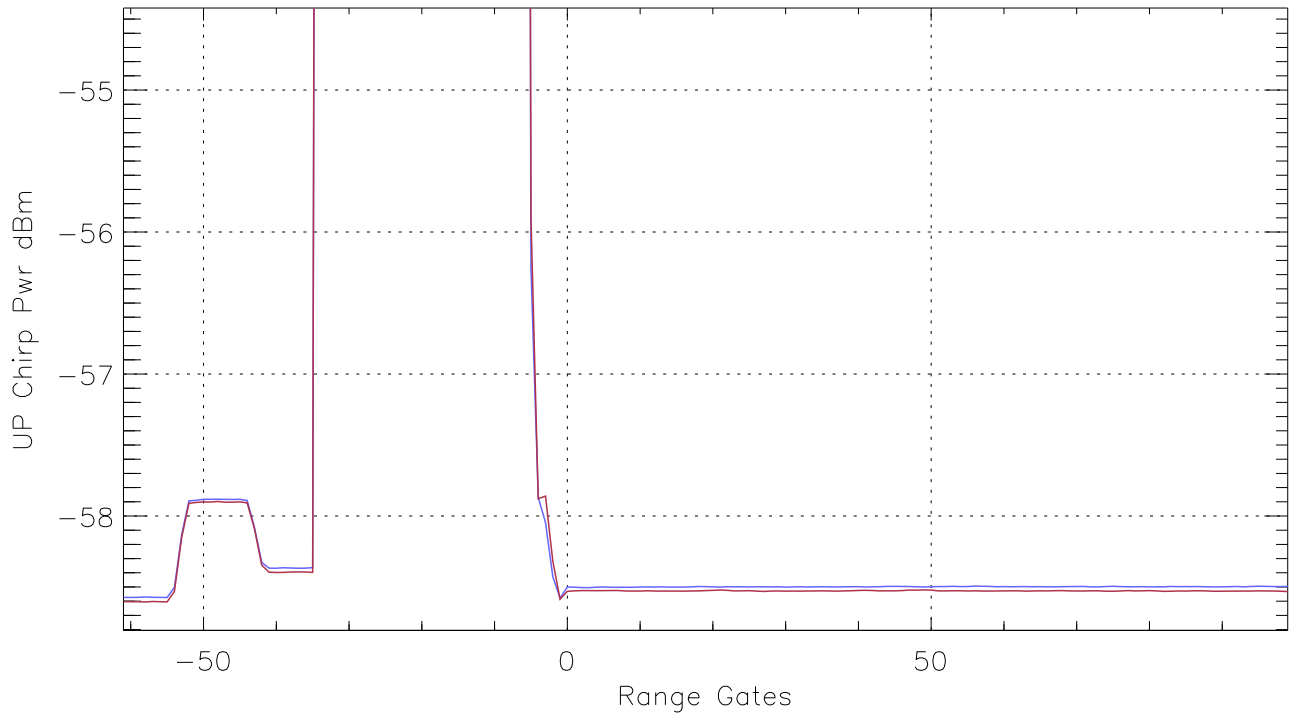


KPR SPP "Best" PPMAG noise (dBm):

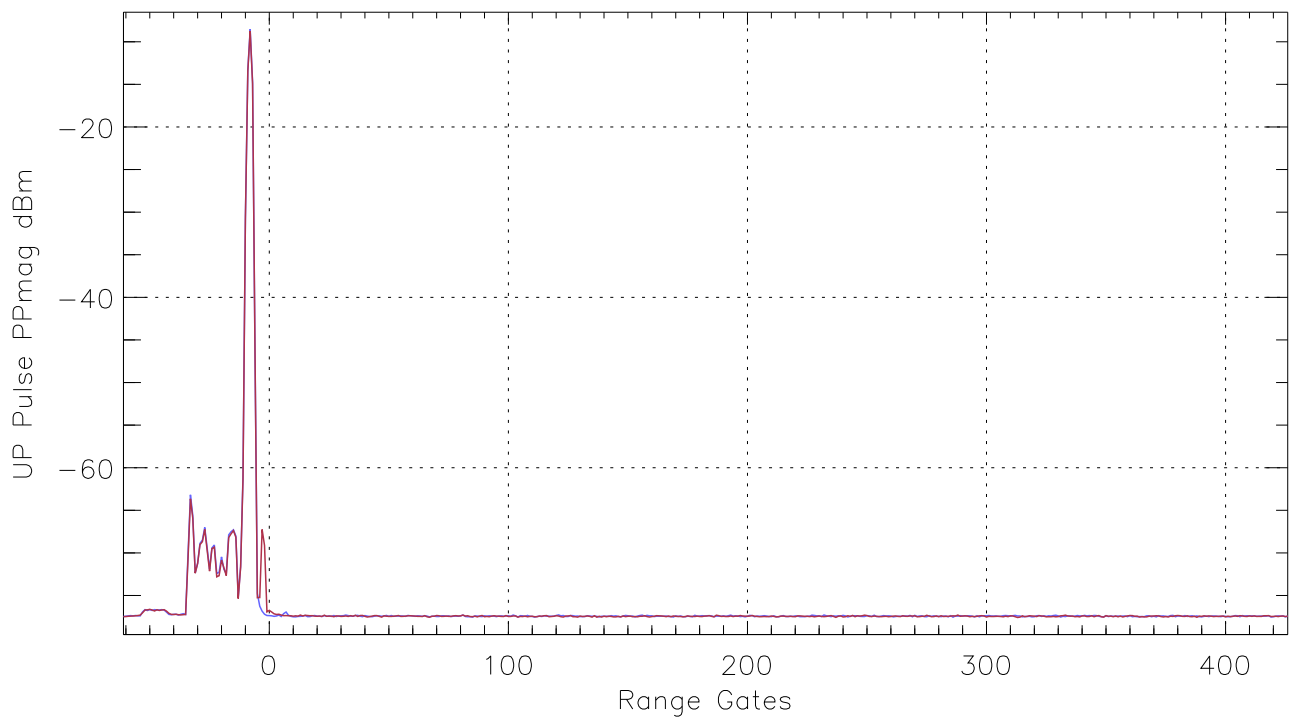
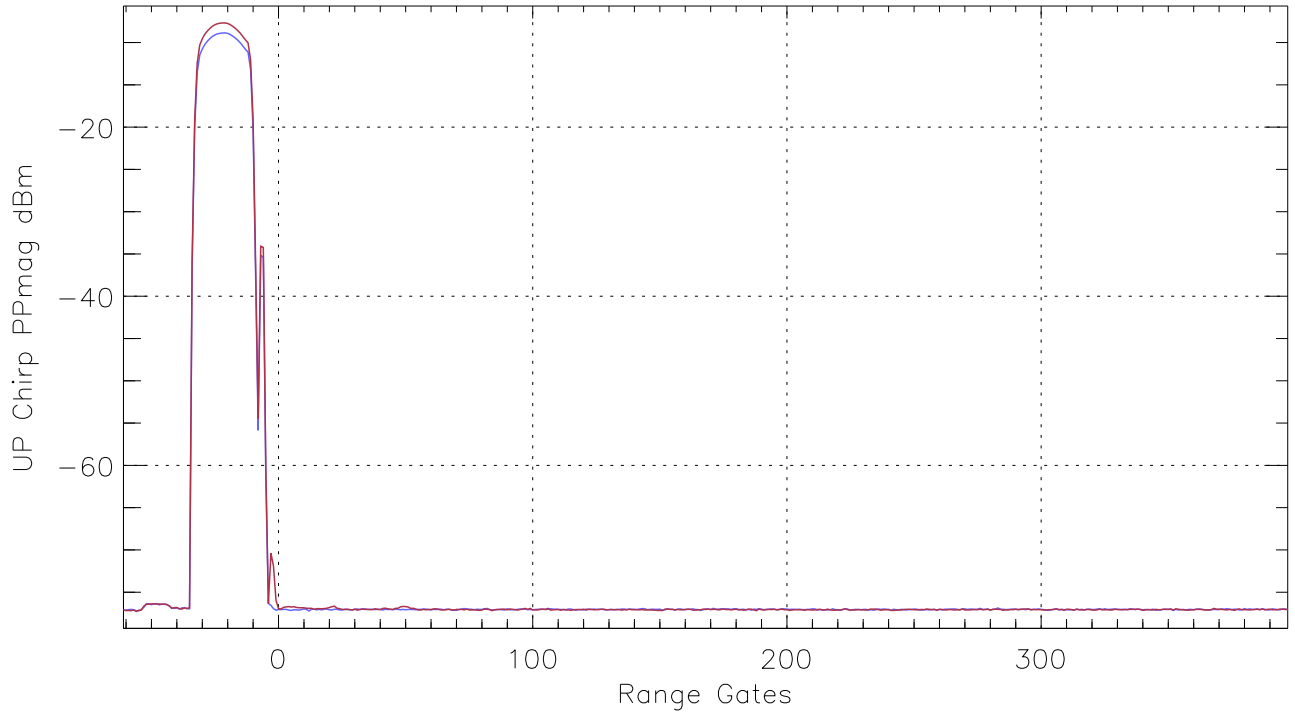
	Min	Max	Mean	Median	StDev
UP_C_RG199_0	-98.16	-71.82	-77.03	-77.31	-79.83
UP_P_RG230_0	-97.29	-72.48	-77.40	-77.66	-80.29



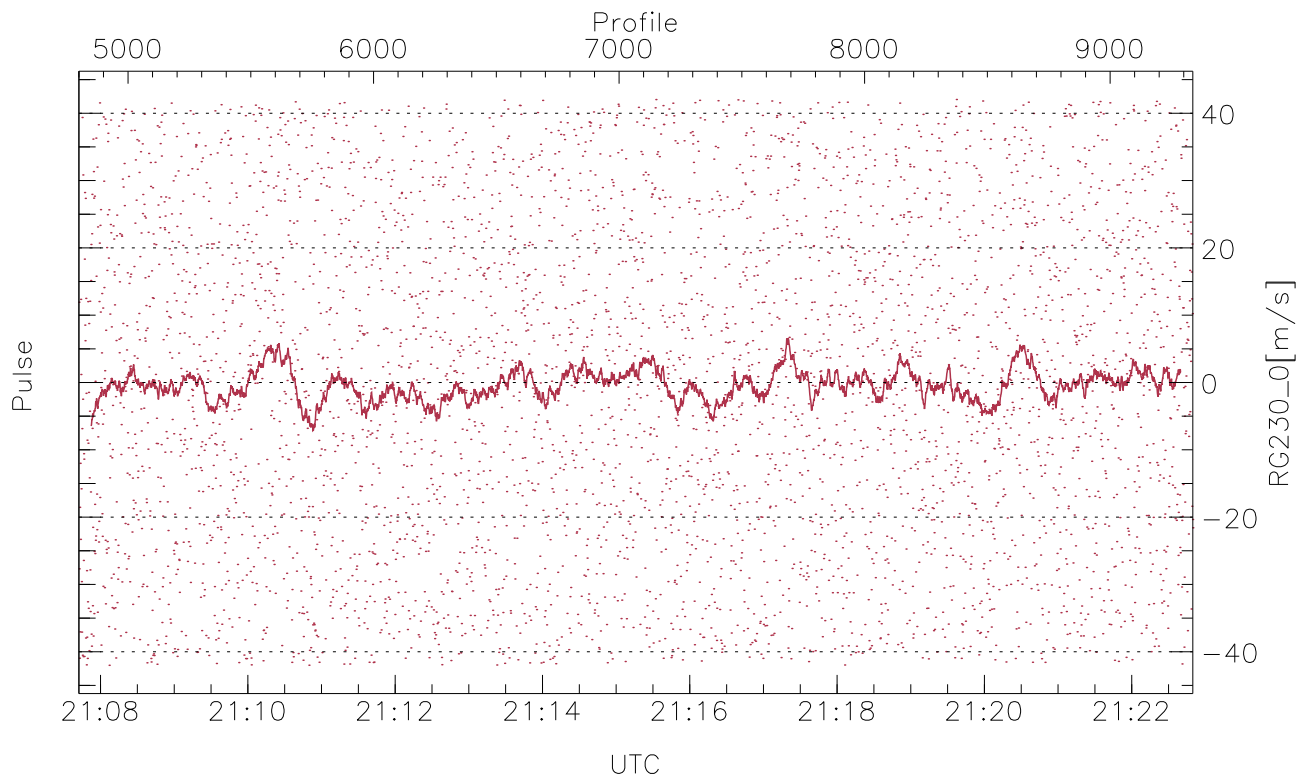
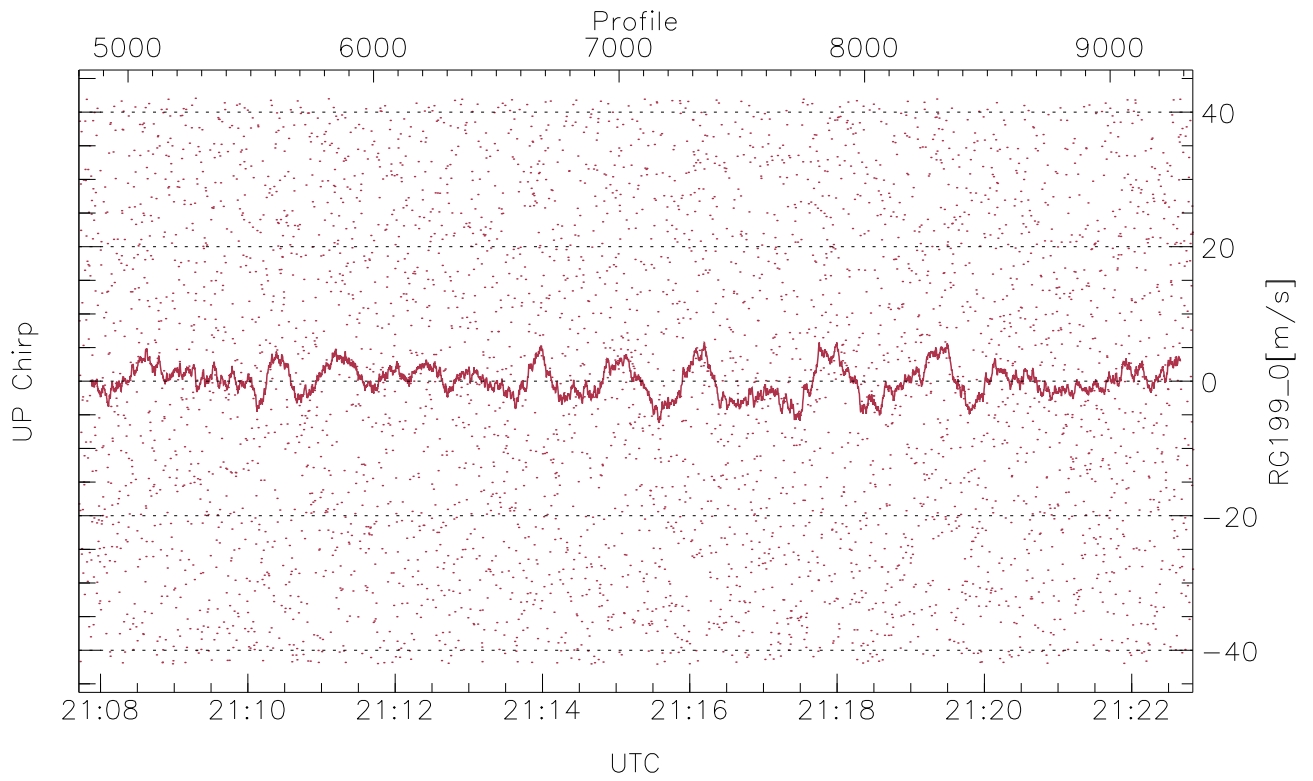
KPR SPP Averaged Received power for all recorded gates
blue: 210742-211516, 2270 profiles averaged
red: 211516-212250, 2269 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 210742-211516, 2270 profiles averaged
red: 211516-212250, 2269 profiles averaged

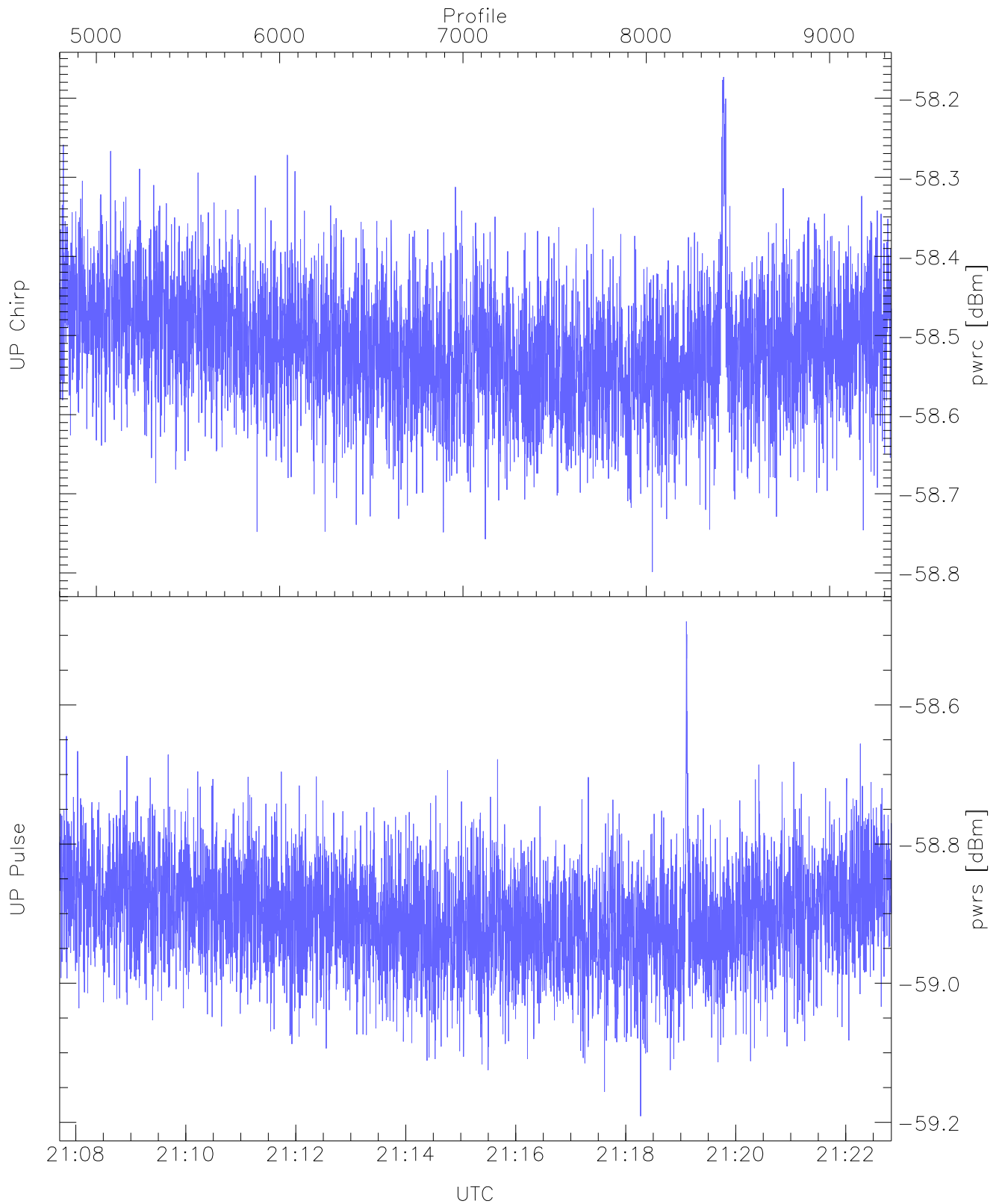


KPR SPP Averaged PP magnitude for all recorded gates
blue: 210742-211516, 2270 profiles averaged
red: 211516-212250, 2269 profiles averaged



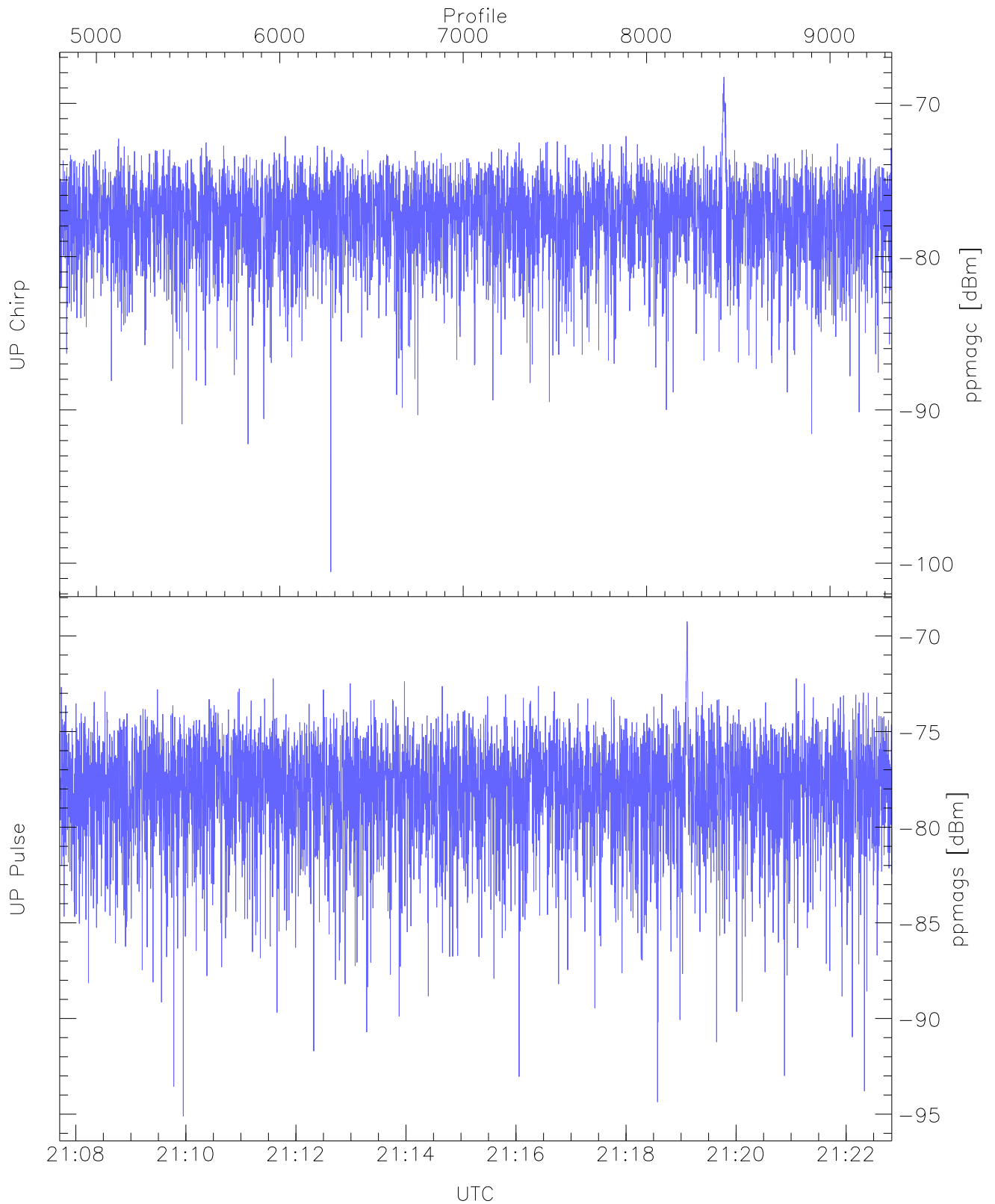
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG199_0	-42.06	42.06	0.12	0.20	24.42
UP_P_RG230_0	-42.01	42.04	-0.52	-0.27	23.78



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

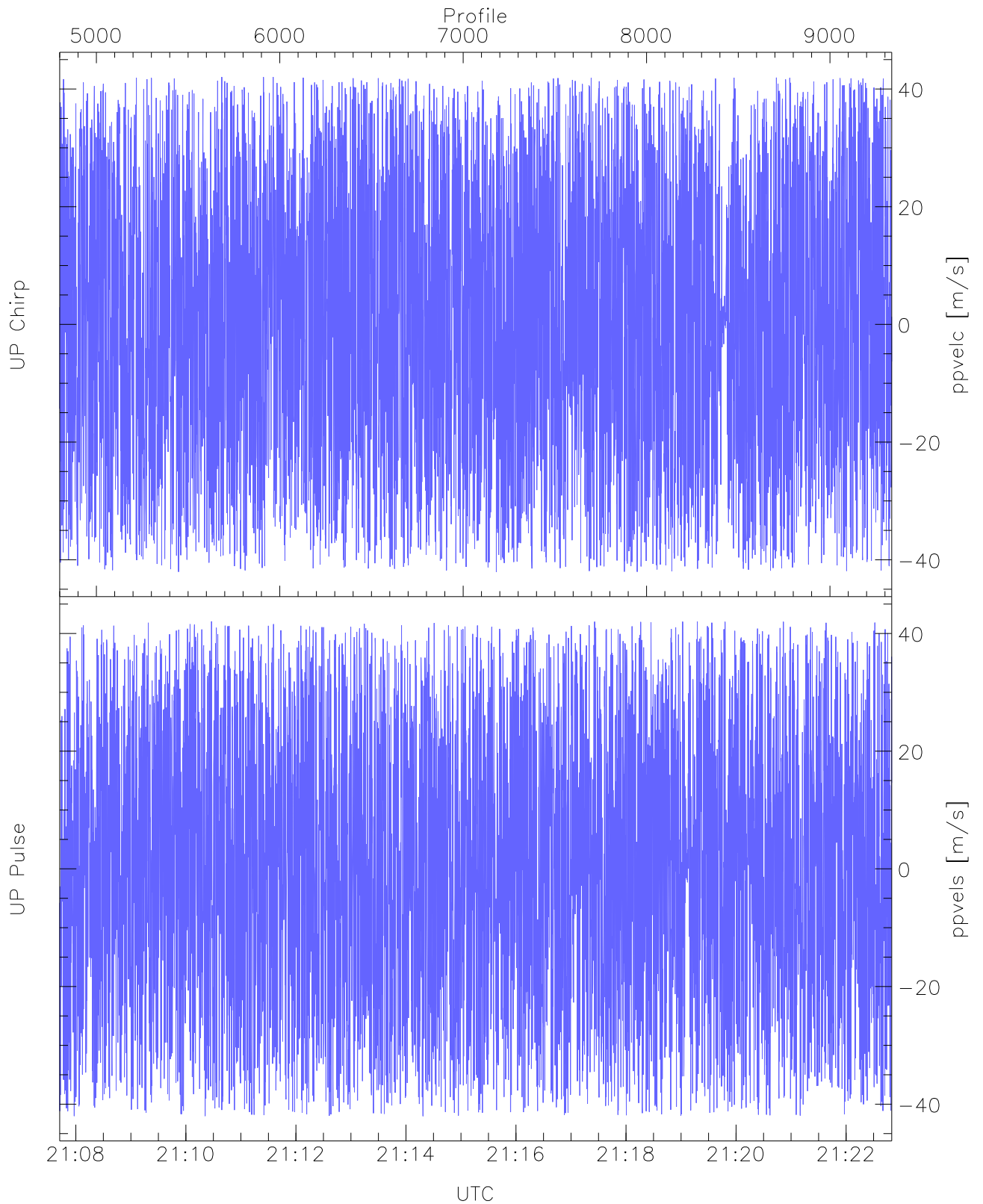
	Min	Max	Mean
UP Chirp(dBm)	-58.80	-58.17	-58.51
UP Pulse(dBm)	-59.19	-58.48	-58.90



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

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

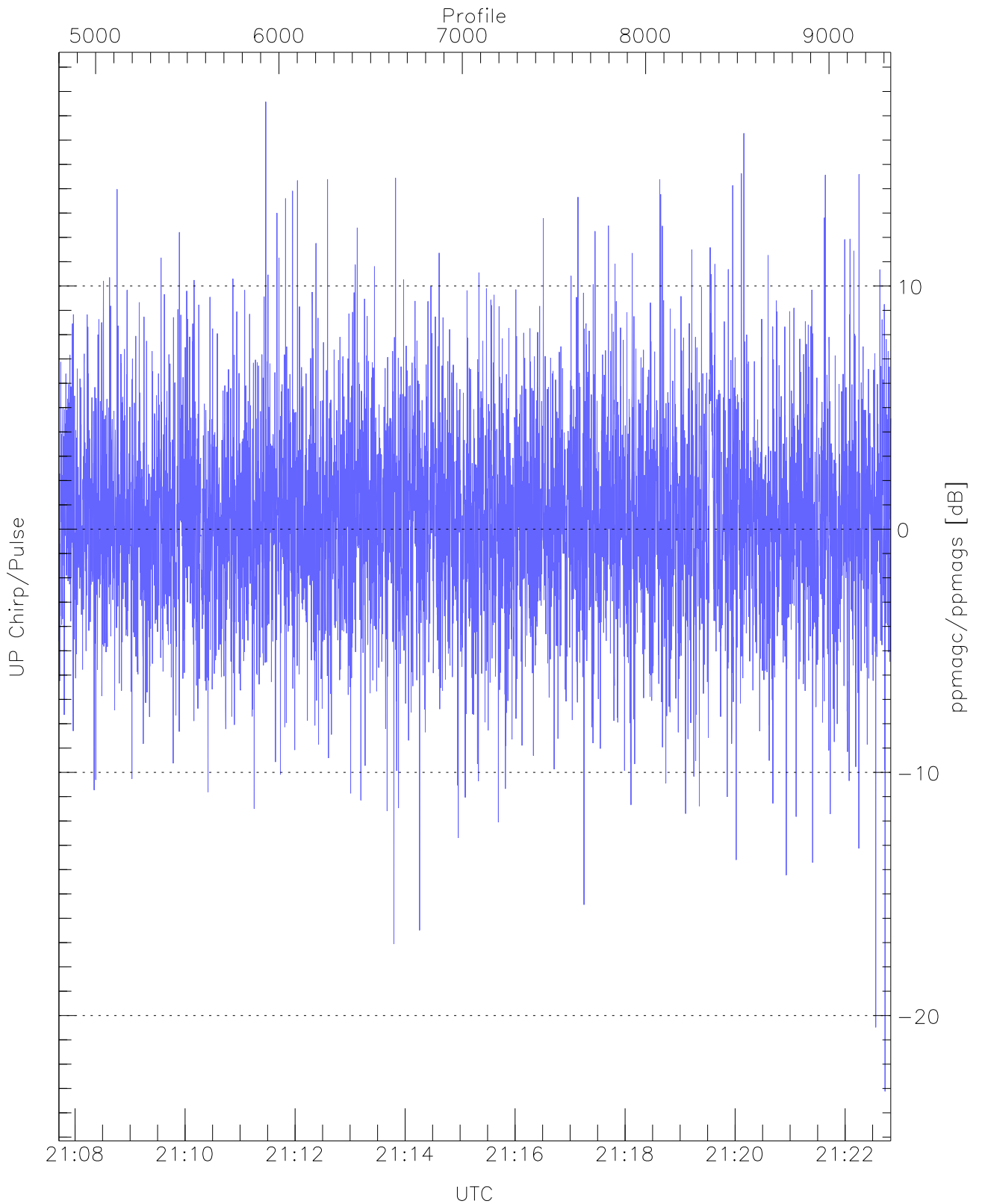
	Min	Max	Mean
UP Chirp(dBm)	-100.57	-68.28	-76.91
UP Pulse(dBm)	-95.11	-69.24	-77.46



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)	-42.05	42.03	0.49
UP Pulse(m/s)	-42.04	42.06	-0.55



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-23.12	17.58	2.29