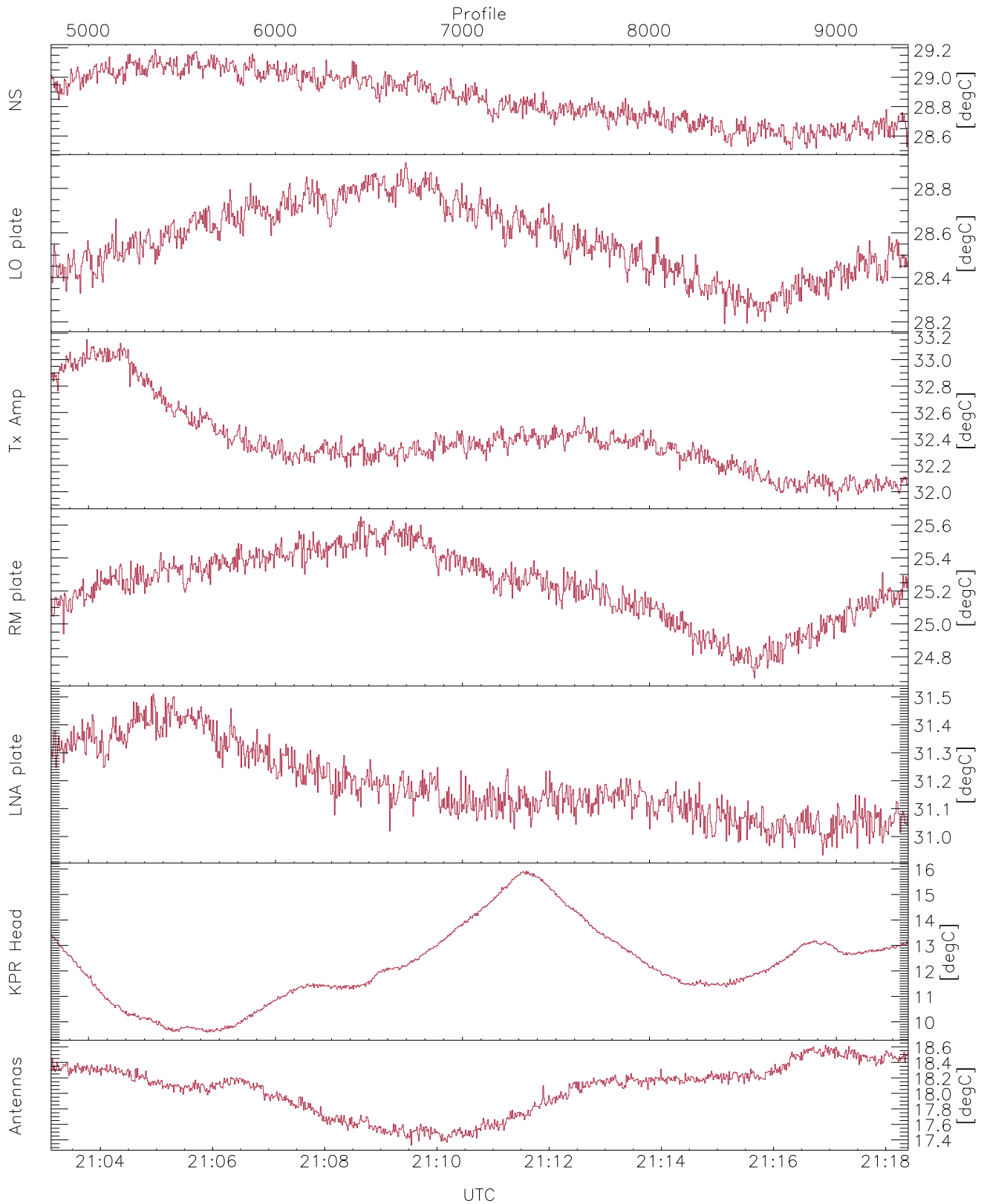


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 20:47:07-21:18:24, TimeCor: 0.00s, Dur: 916.80s
 TimeInt(min,max,mn,std): 187.6,212.4,200.0,1.1 ms; PPS: 5.0
 NumRec(r/t): 4585/9385, 4800-9384/21:03:07-21:18:24
 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

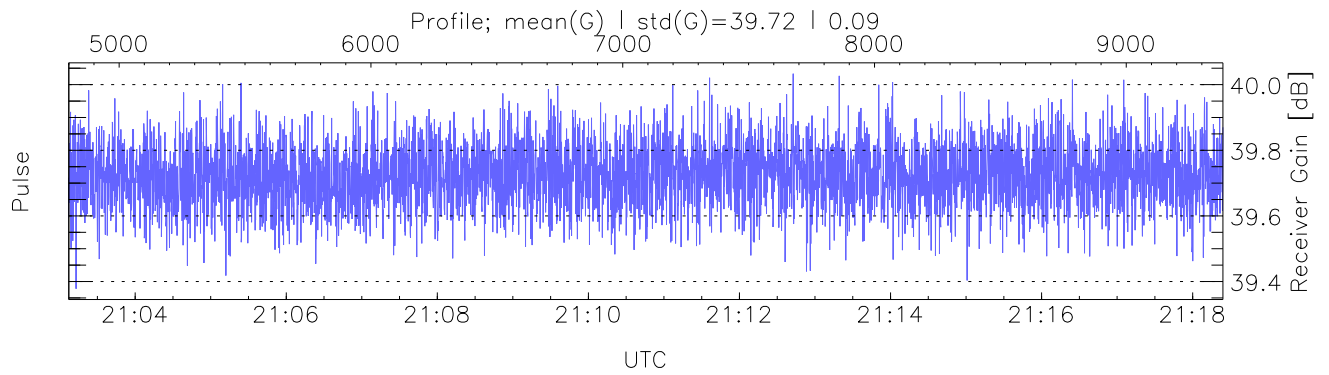
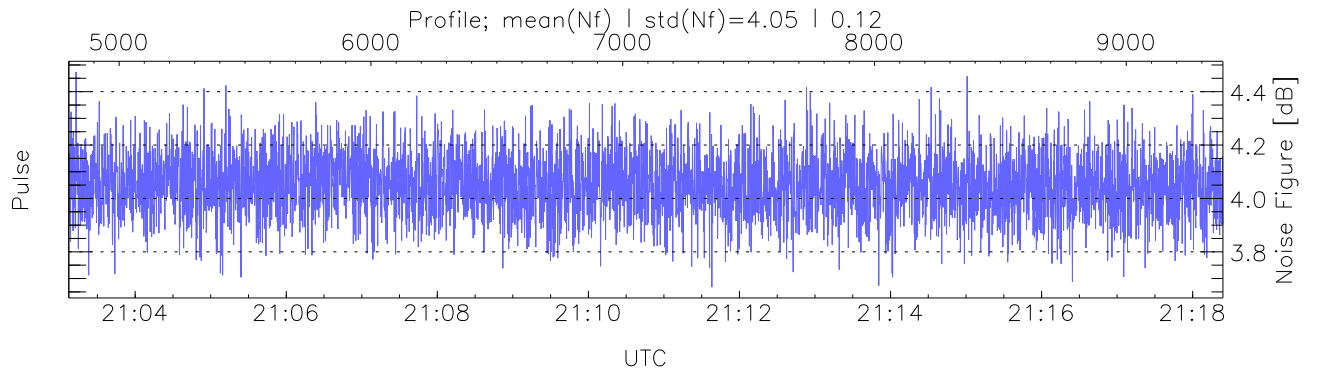
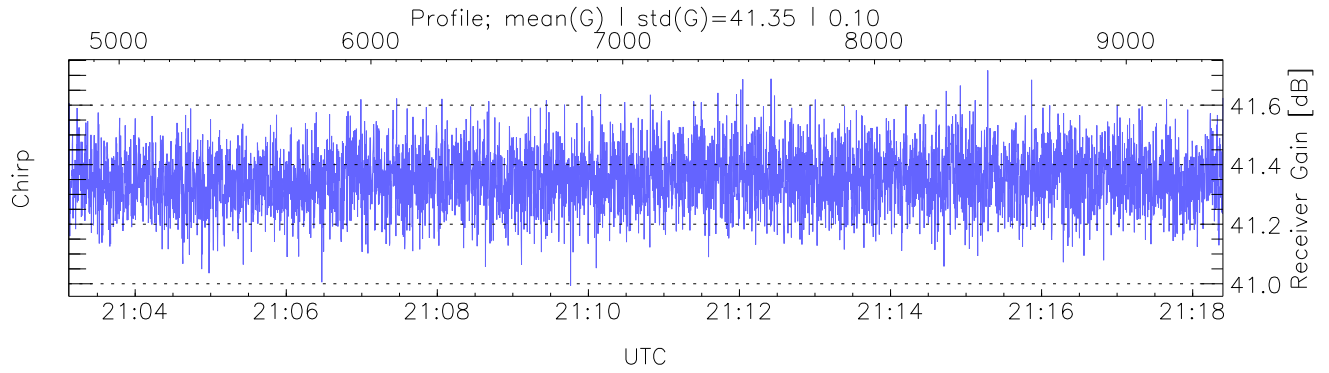
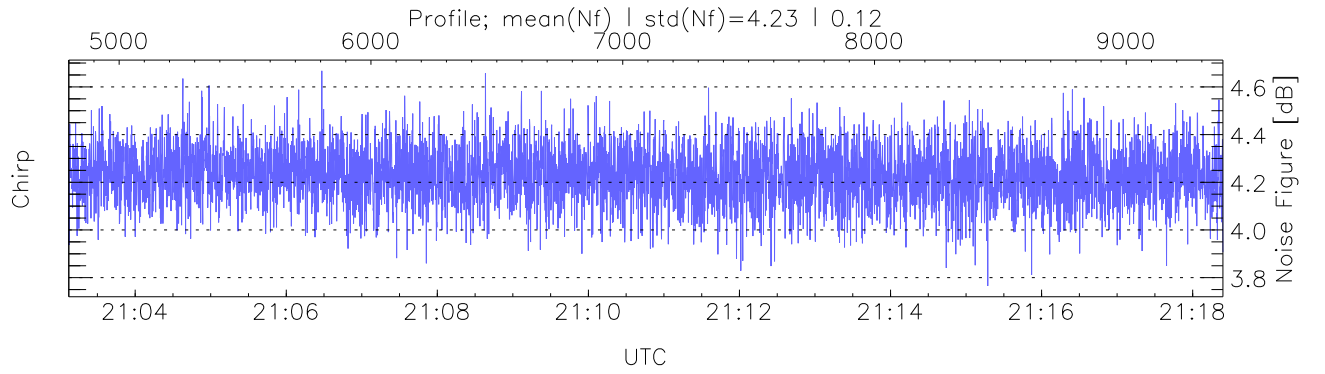


KPR SPP Temperatures, Power Supplies, PLO lock:

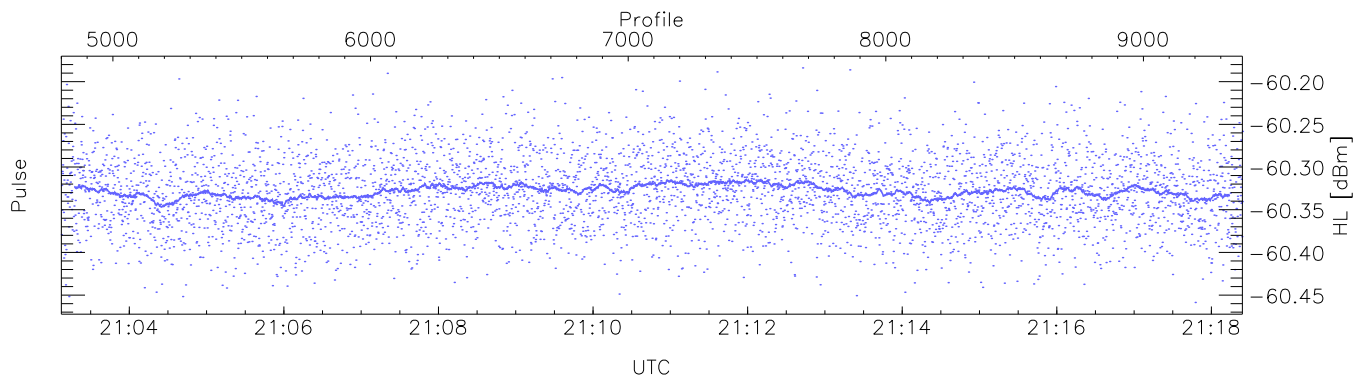
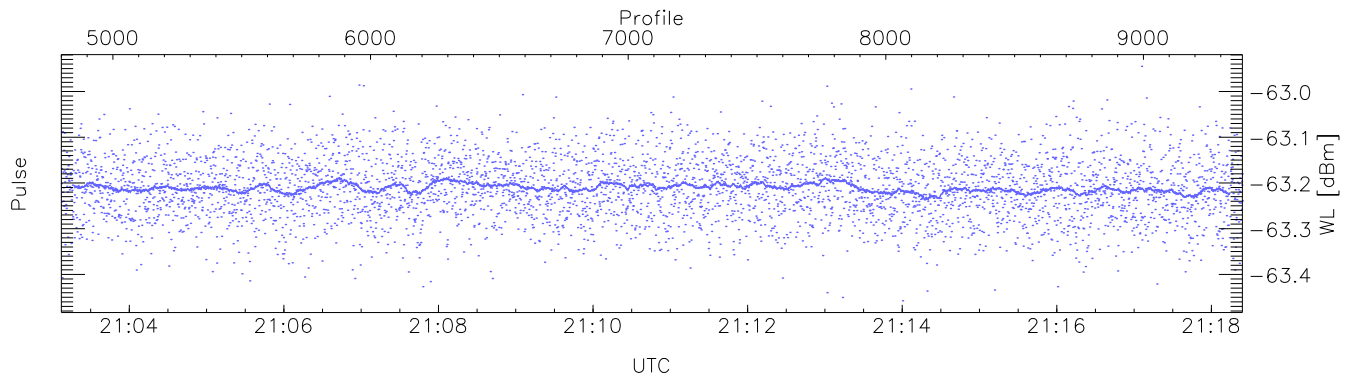
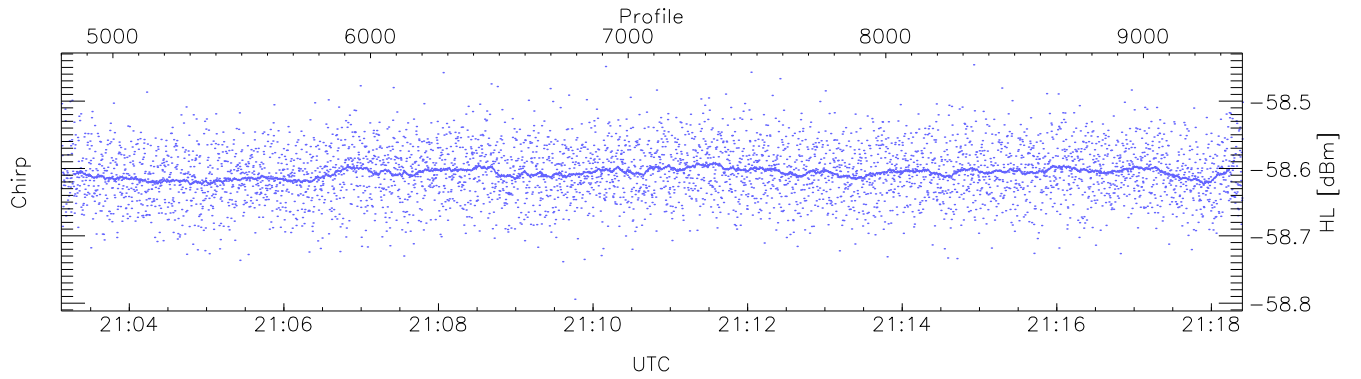
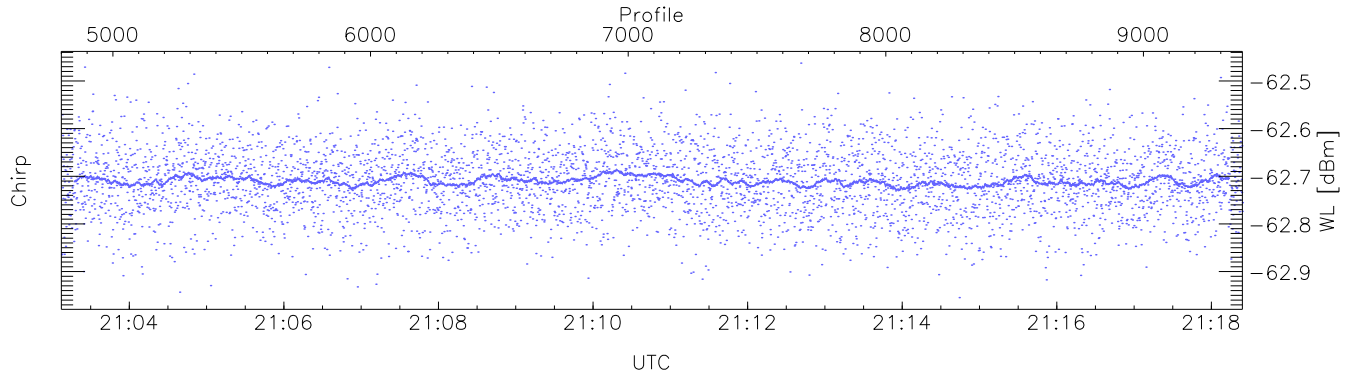
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	28.5,	28.2,	31.9,	24.7,	30.9,	9.6,	17.3
maxtempC:	29.2,	28.9,	33.2,	25.6,	31.5,	15.9,	18.6
meantempC:	28.9,	28.6,	32.4,	25.2,	31.2,	12.2,	18.0

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.97,	11.68,	7.86,	5.22
maxVDC:	27.73,	11.73,	7.90,	5.24
meanVDC:	27.08,	11.70,	7.88,	5.23

PLO(3.84,15.84 GHz) unlocked: None

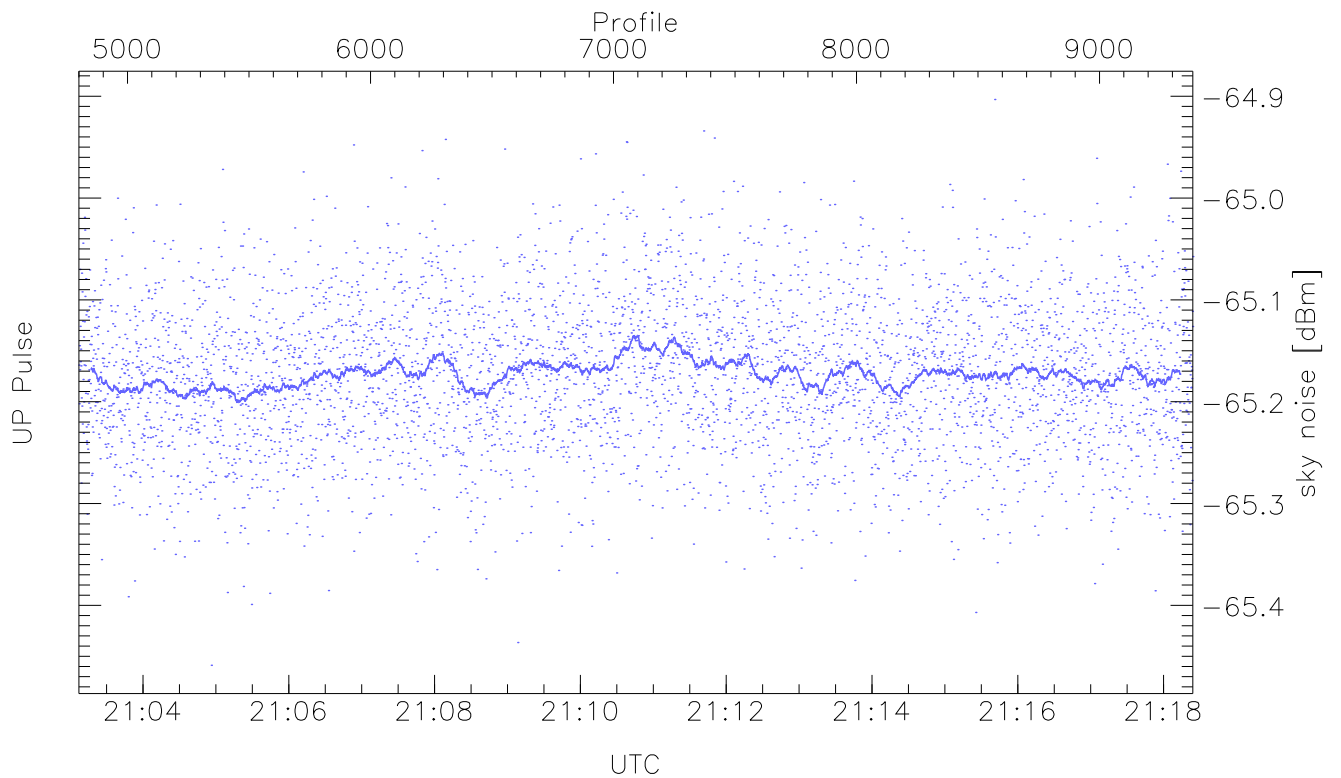
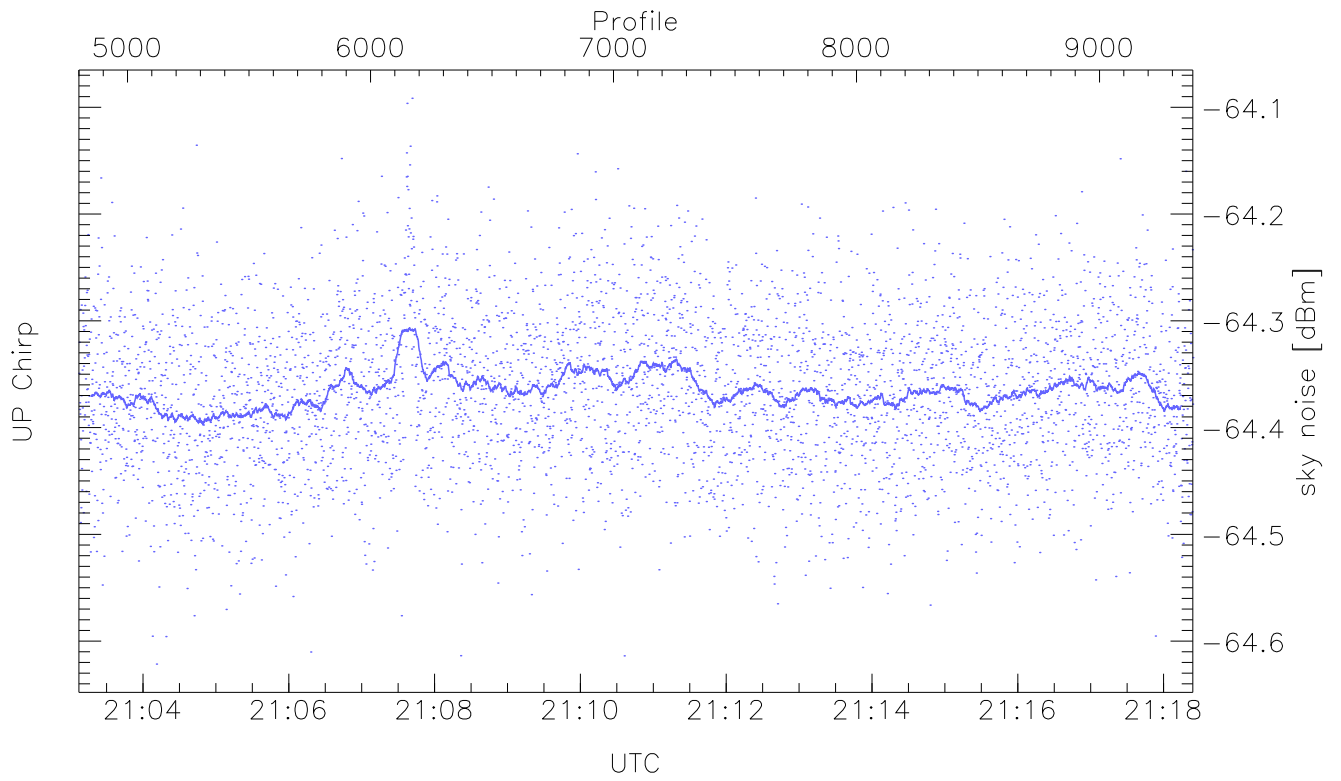


KPR SPP Receiver Gain and Noise Figure



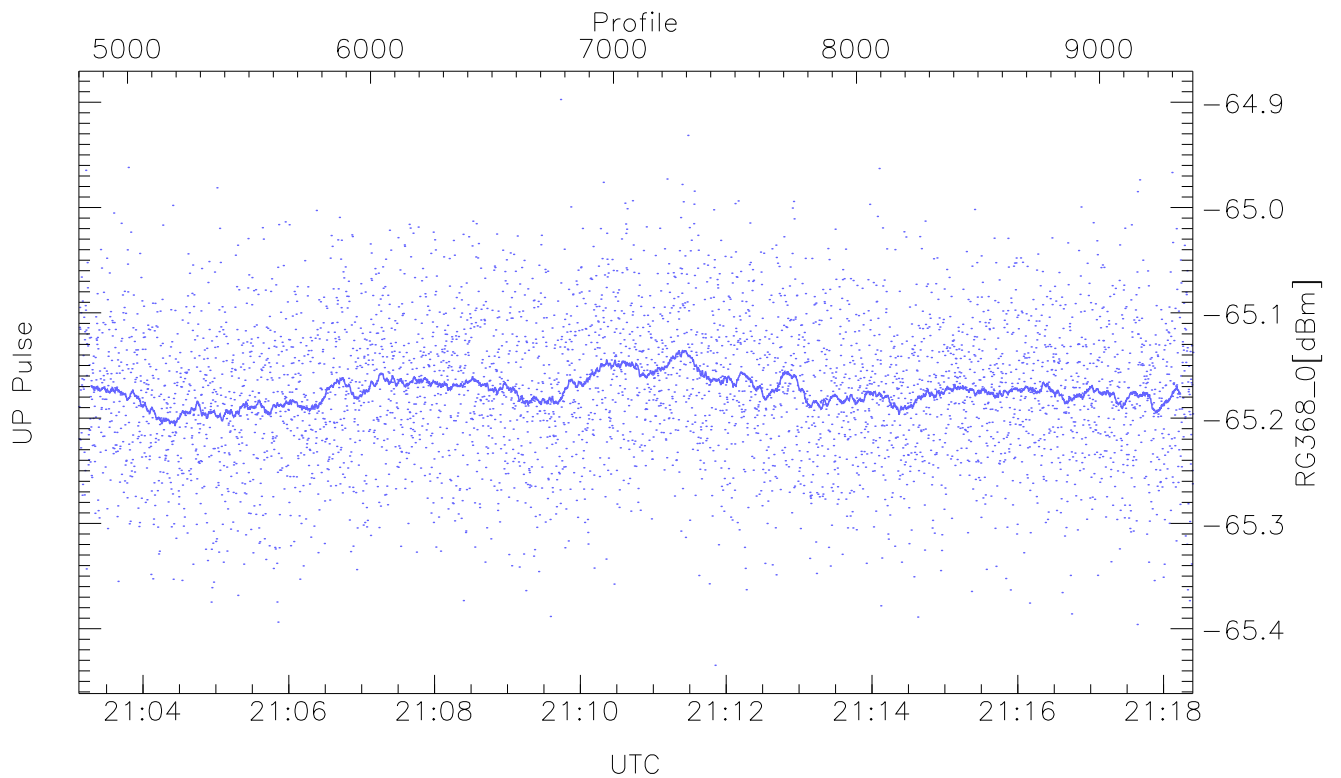
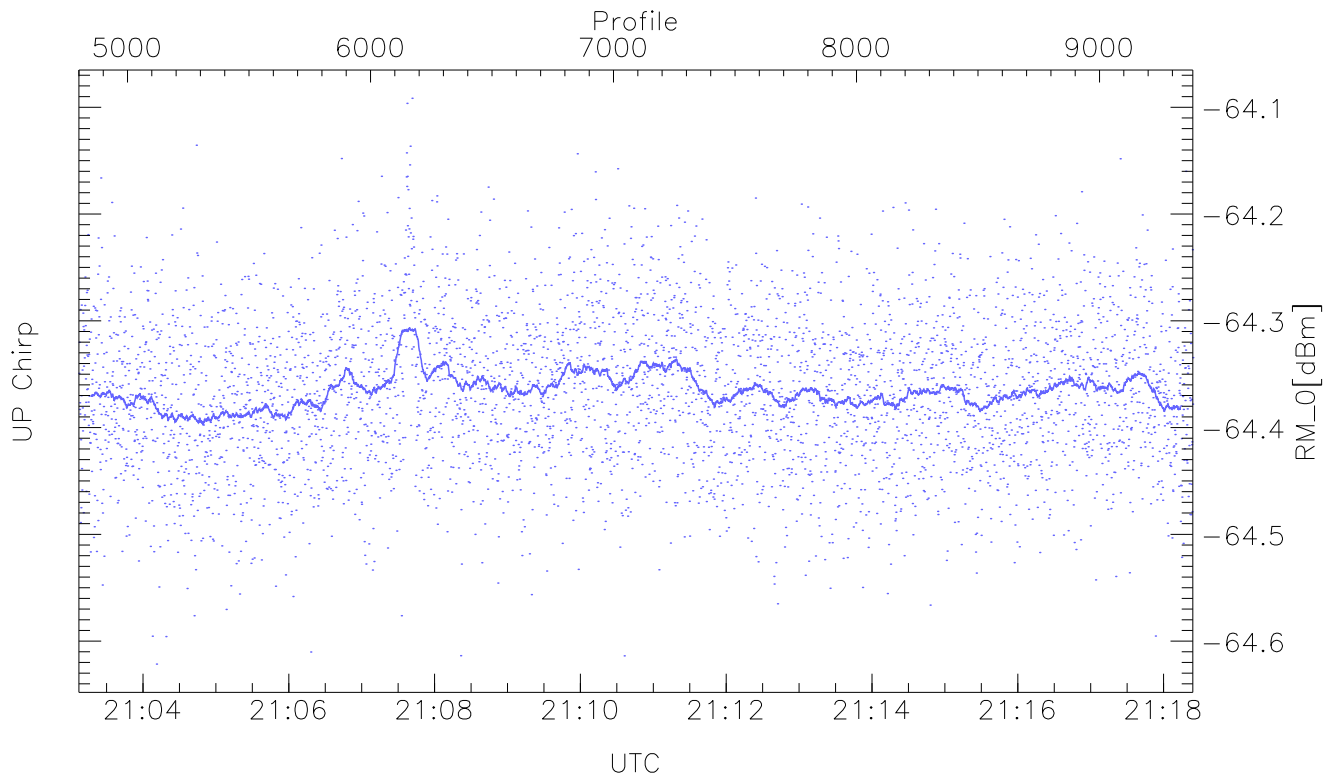
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.95	-62.46	-62.71	-62.71	-80.66
Chirp(HL [dBm])	-58.79	-58.45	-58.61	-58.61	-78.68
Pulse(WL [dBm])	-63.46	-62.94	-63.21	-63.21	-81.27
Pulse(HL [dBm])	-60.46	-60.18	-60.33	-60.33	-80.47



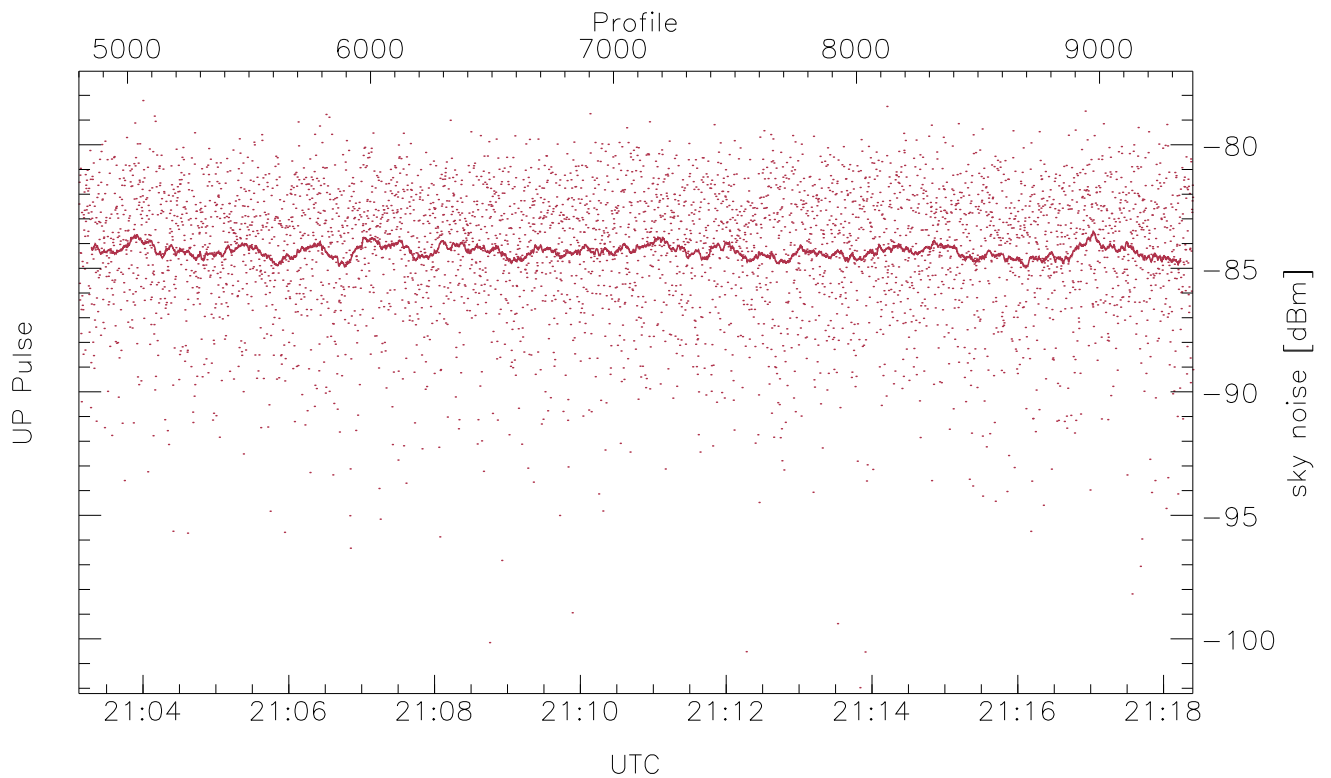
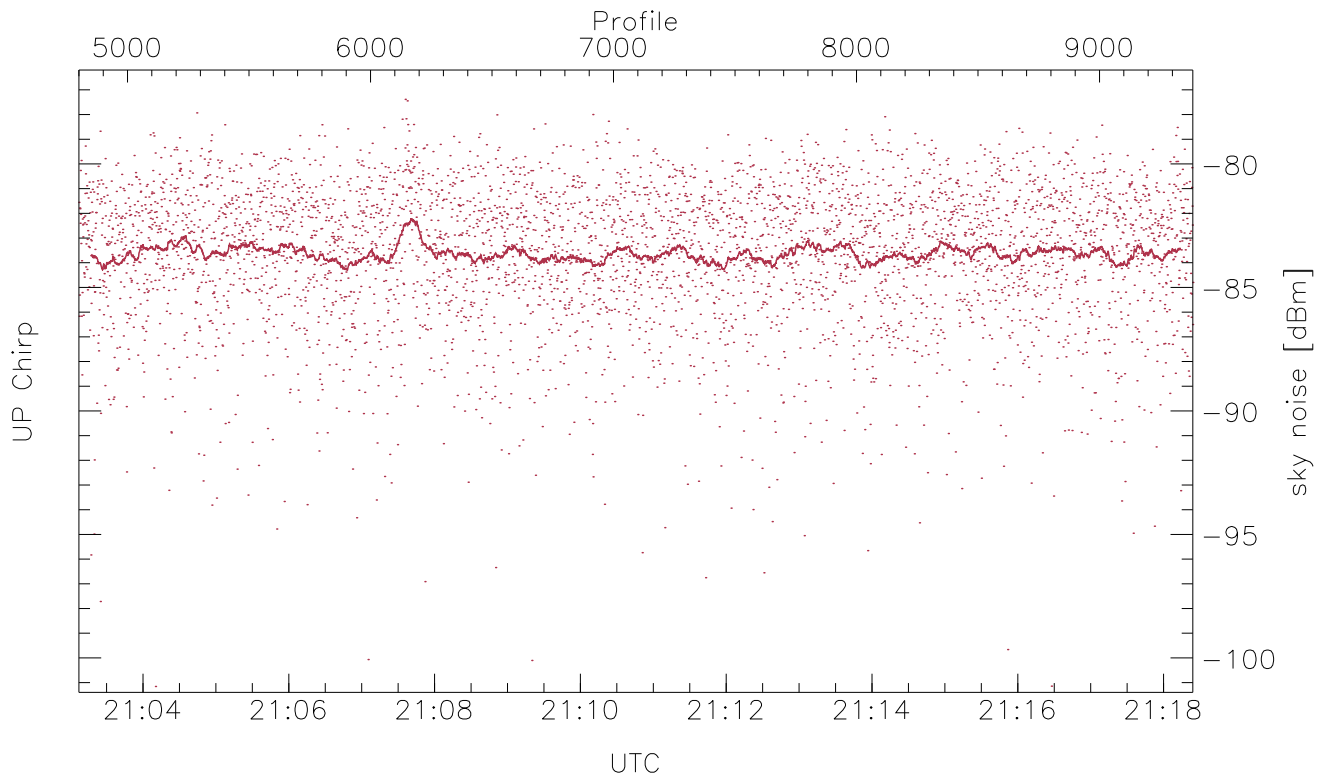
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.62	-64.09	-64.37	-64.37	-82.28
UP Pulse(dBm)	-65.46	-64.90	-65.17	-65.17	-83.02



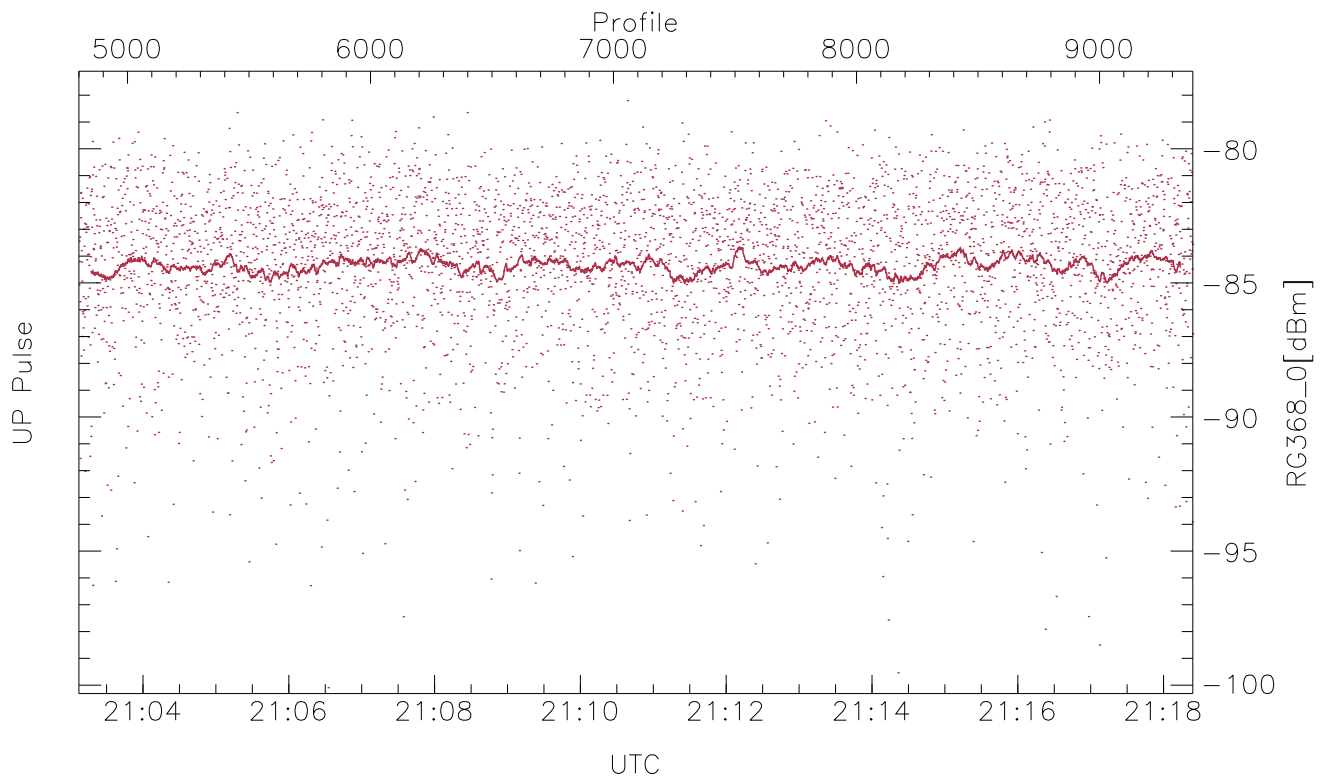
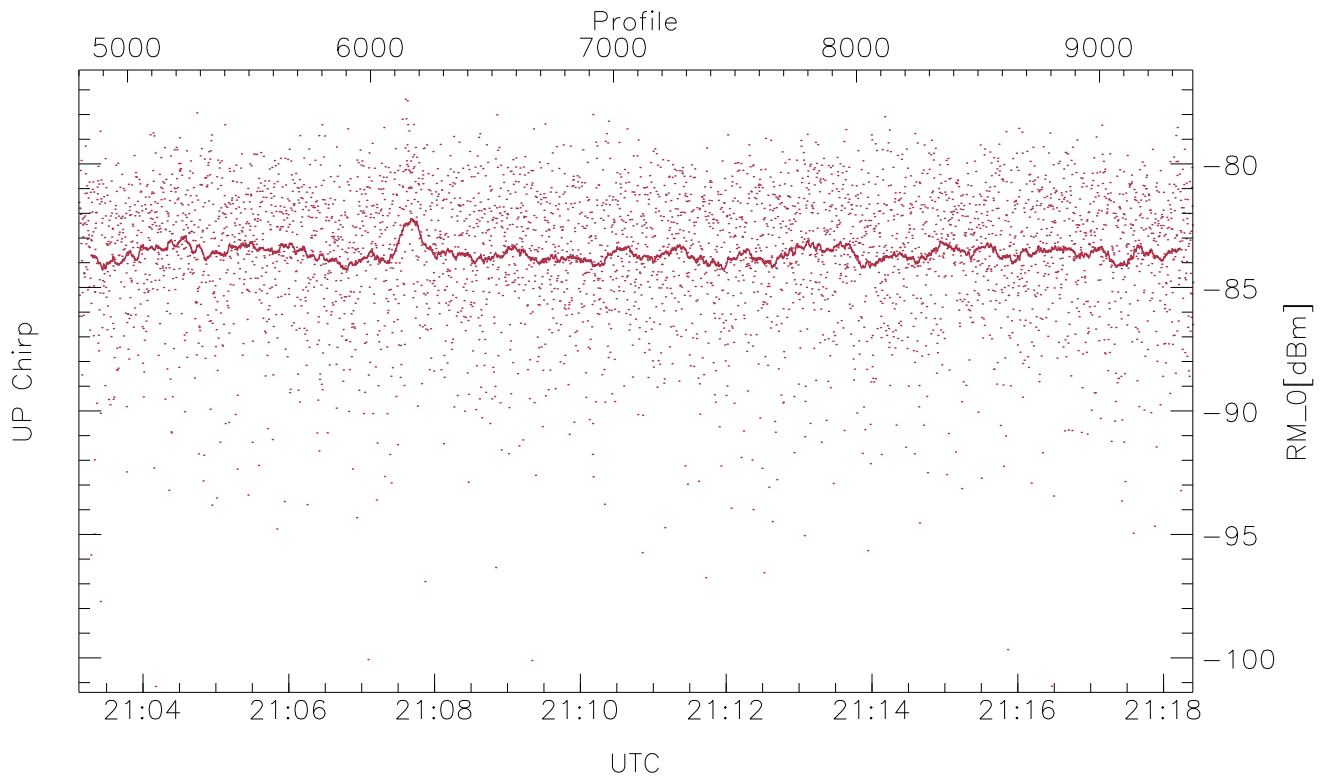
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-64.62	-64.09	-64.37	-64.37	-82.28
UP_P_RG368_0	-65.43	-64.90	-65.17	-65.17	-83.12



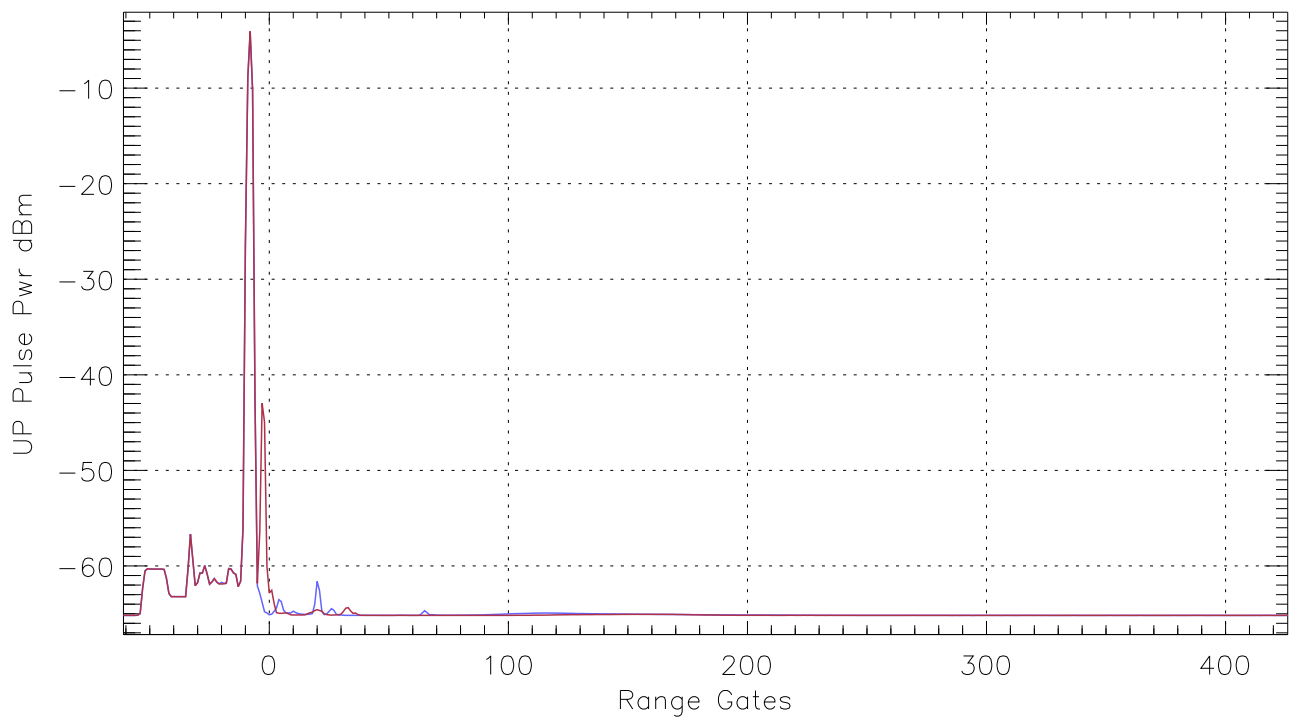
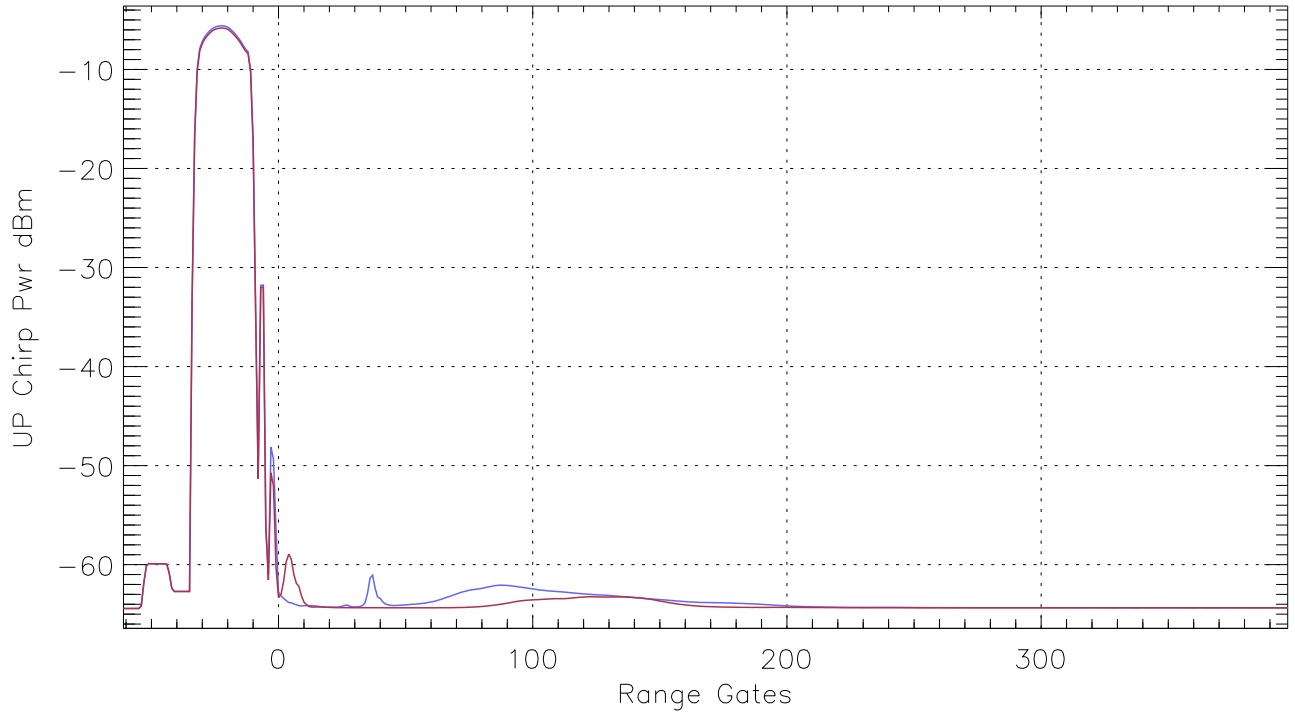
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-101.16	-77.39	-82.89	-83.20	-85.65
UP Pulse(dBm)	-101.98	-78.21	-83.57	-83.79	-86.35

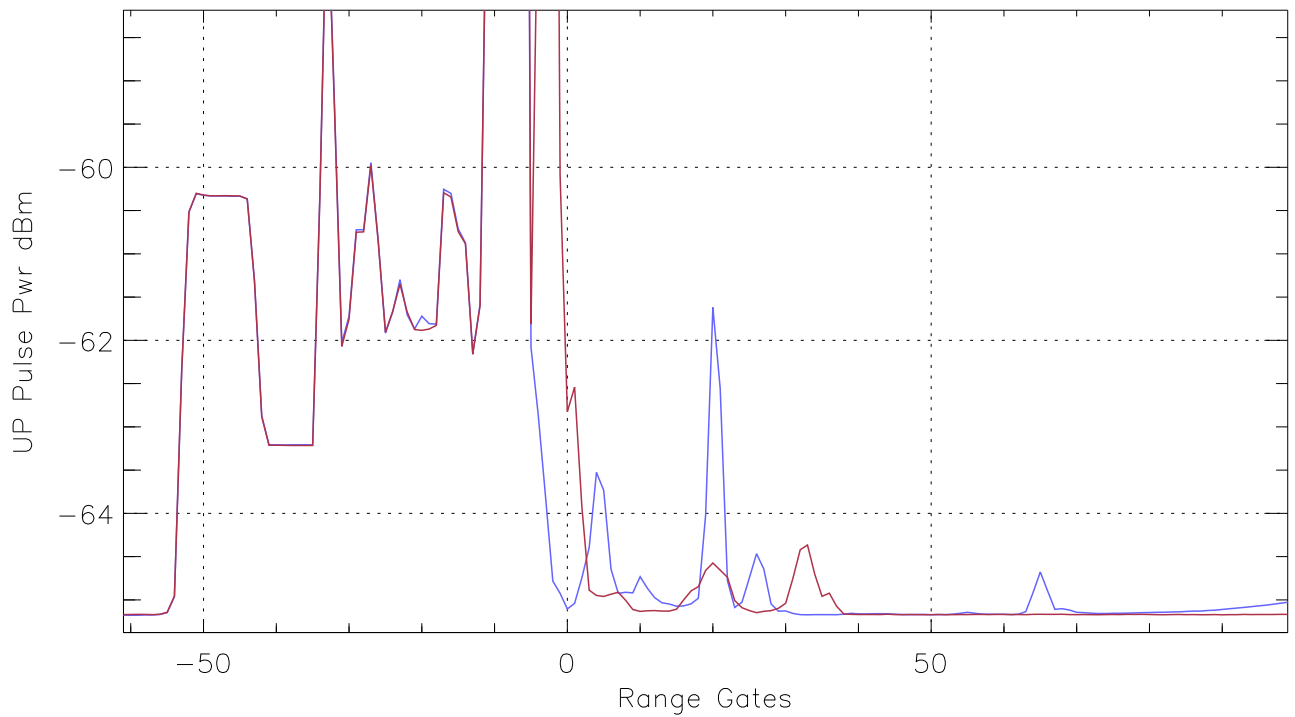
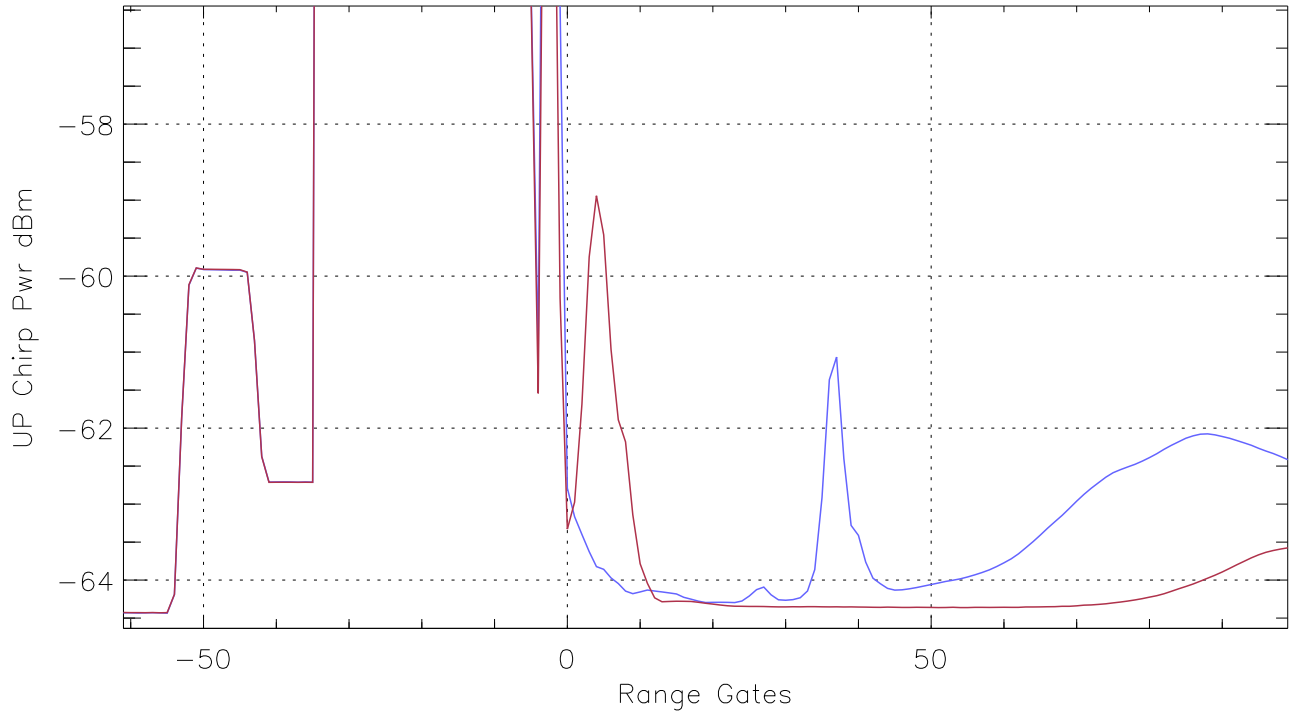


KPR SPP "Best" PPMAG noise (dBm):

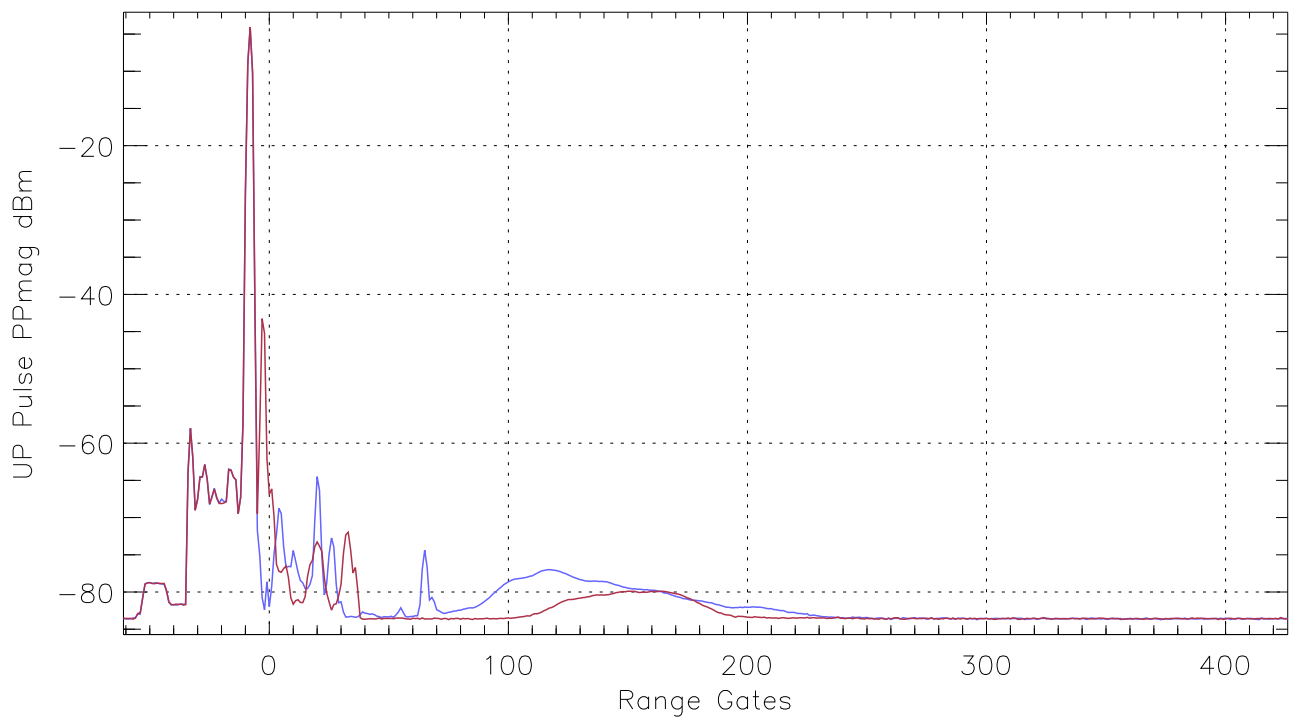
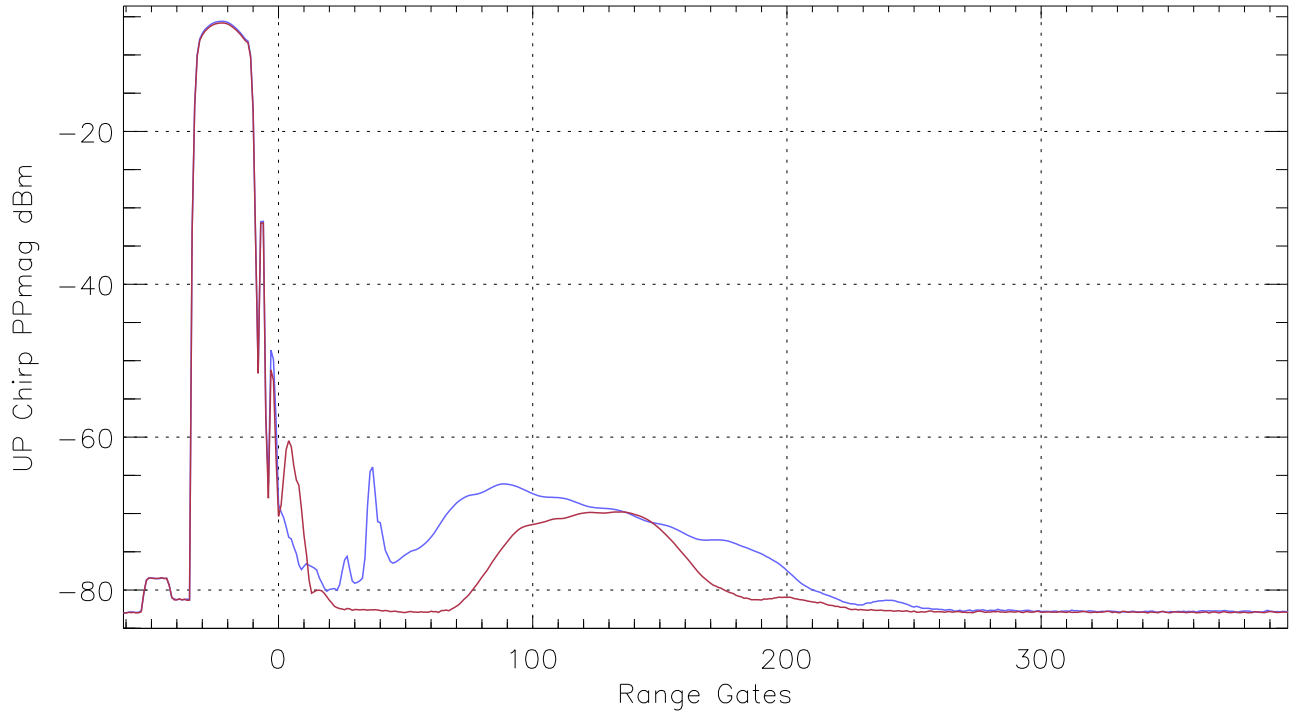
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-101.16	-77.39	-82.89	-83.20	-85.65
UP_P_RG368_0	-100.09	-78.20	-83.62	-83.90	-86.38



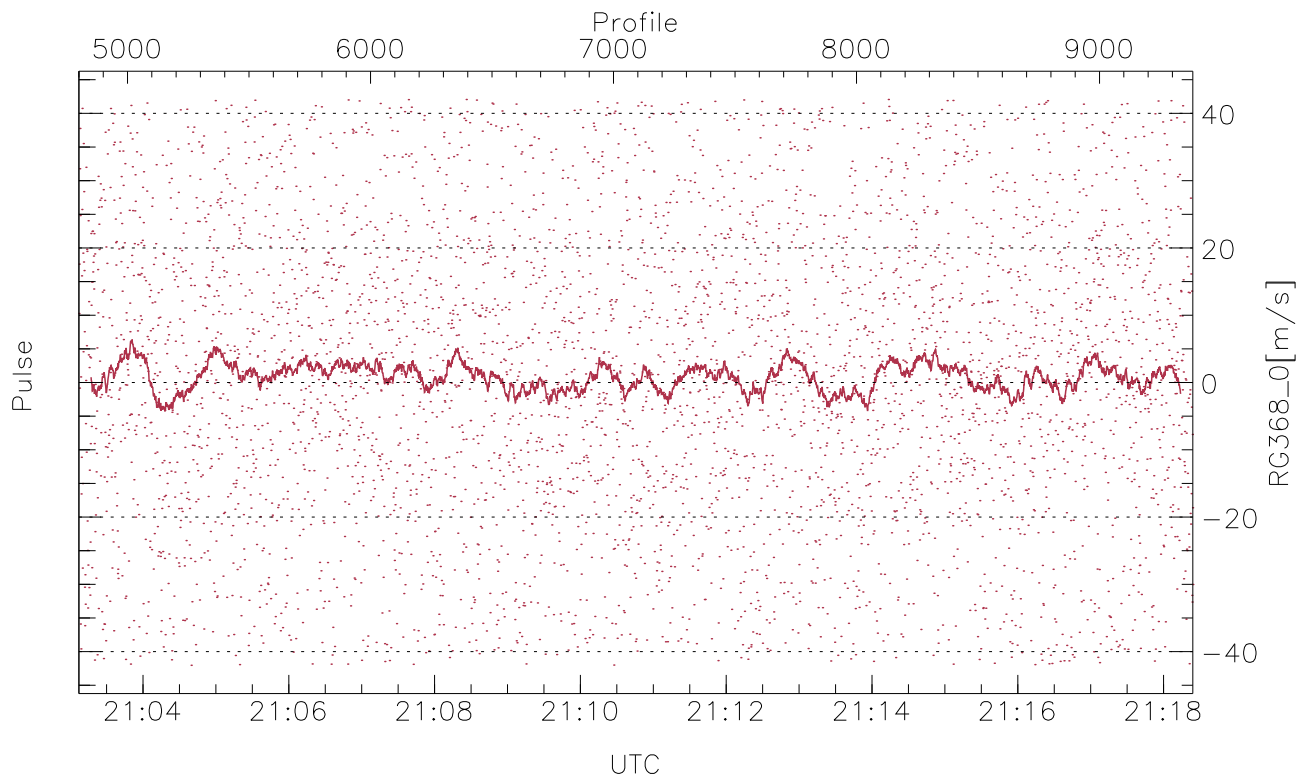
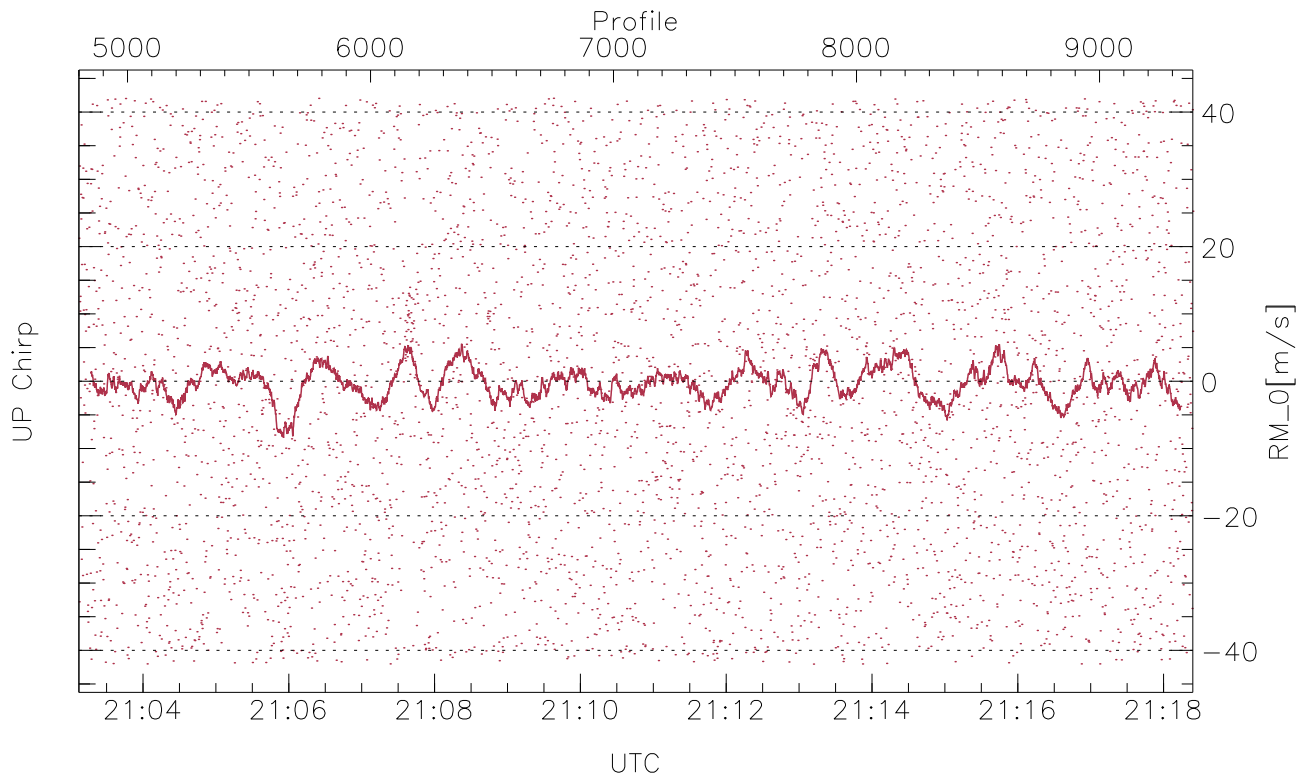
KPR SPP Averaged Received power for all recorded gates
blue: 210307-211045, 2293 profiles averaged
red: 211045-211824, 2293 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 210307-211045, 2293 profiles averaged
red: 211045-211824, 2293 profiles averaged

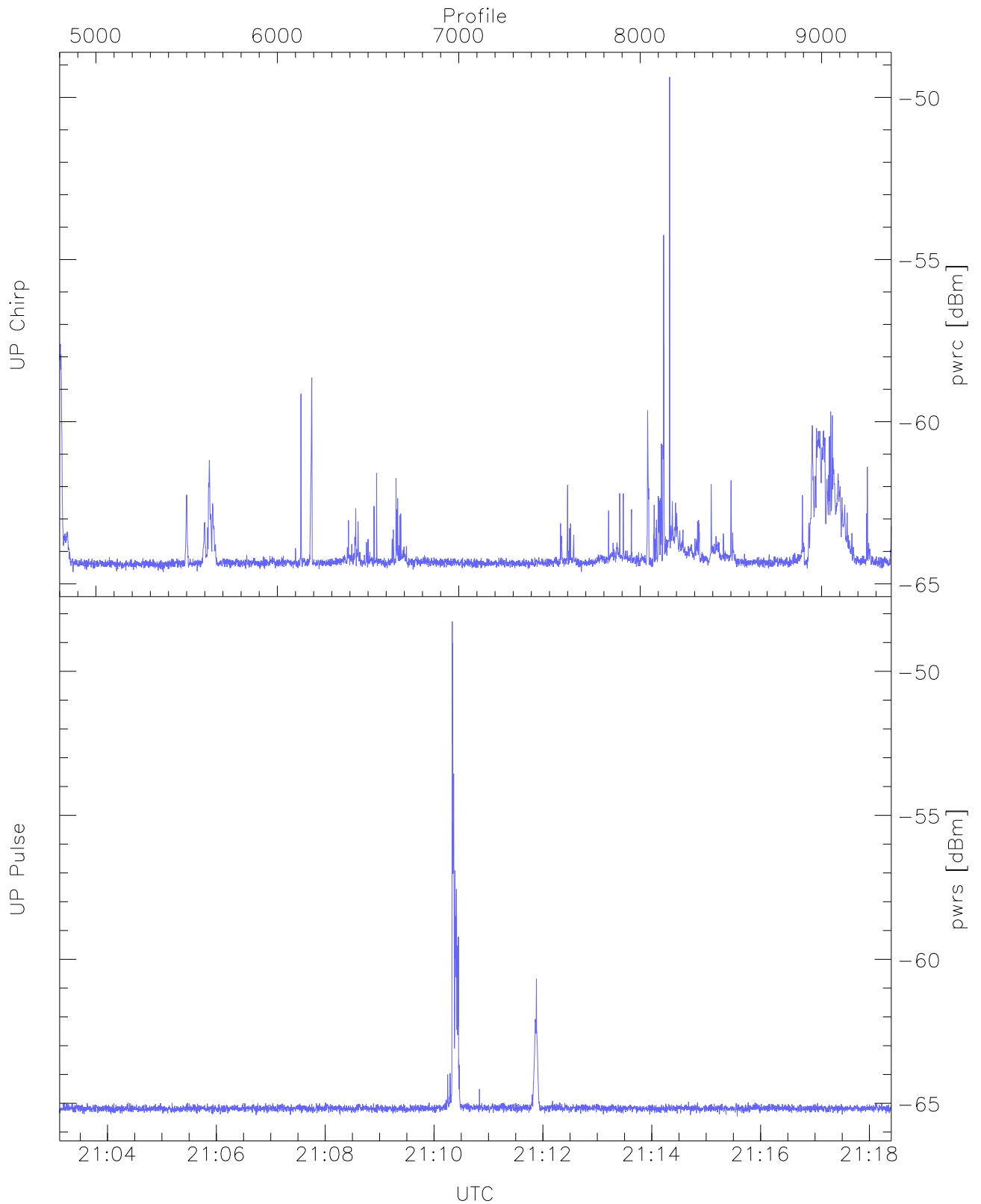


KPR SPP Averaged PP magnitude for all recorded gates
blue: 210307-211045, 2293 profiles averaged
red: 211045-211824, 2293 profiles averaged



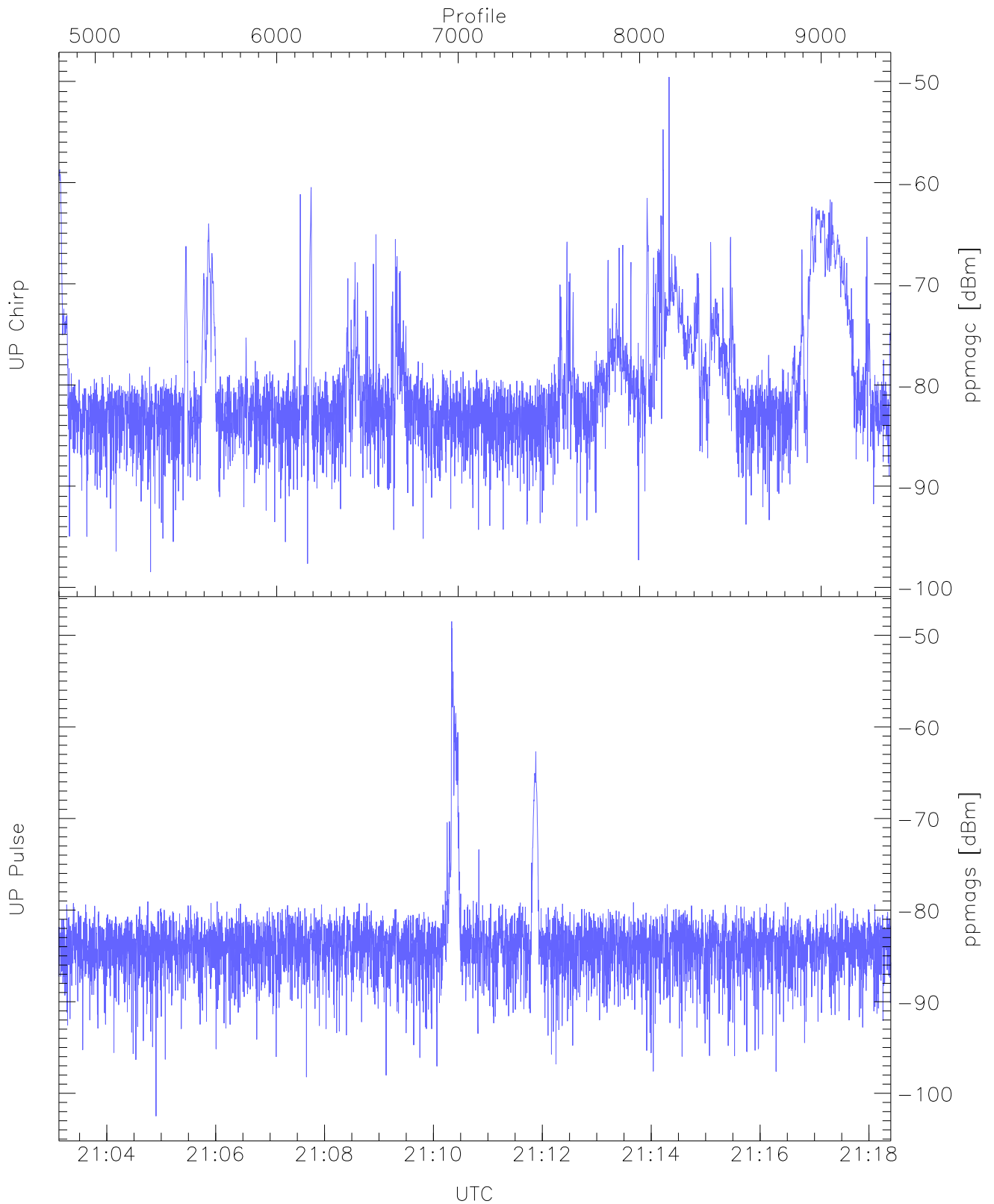
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-42.04	42.05	-0.34	-0.32	24.02
UP_P_RG368_0	-42.03	42.06	0.71	1.12	21.35



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

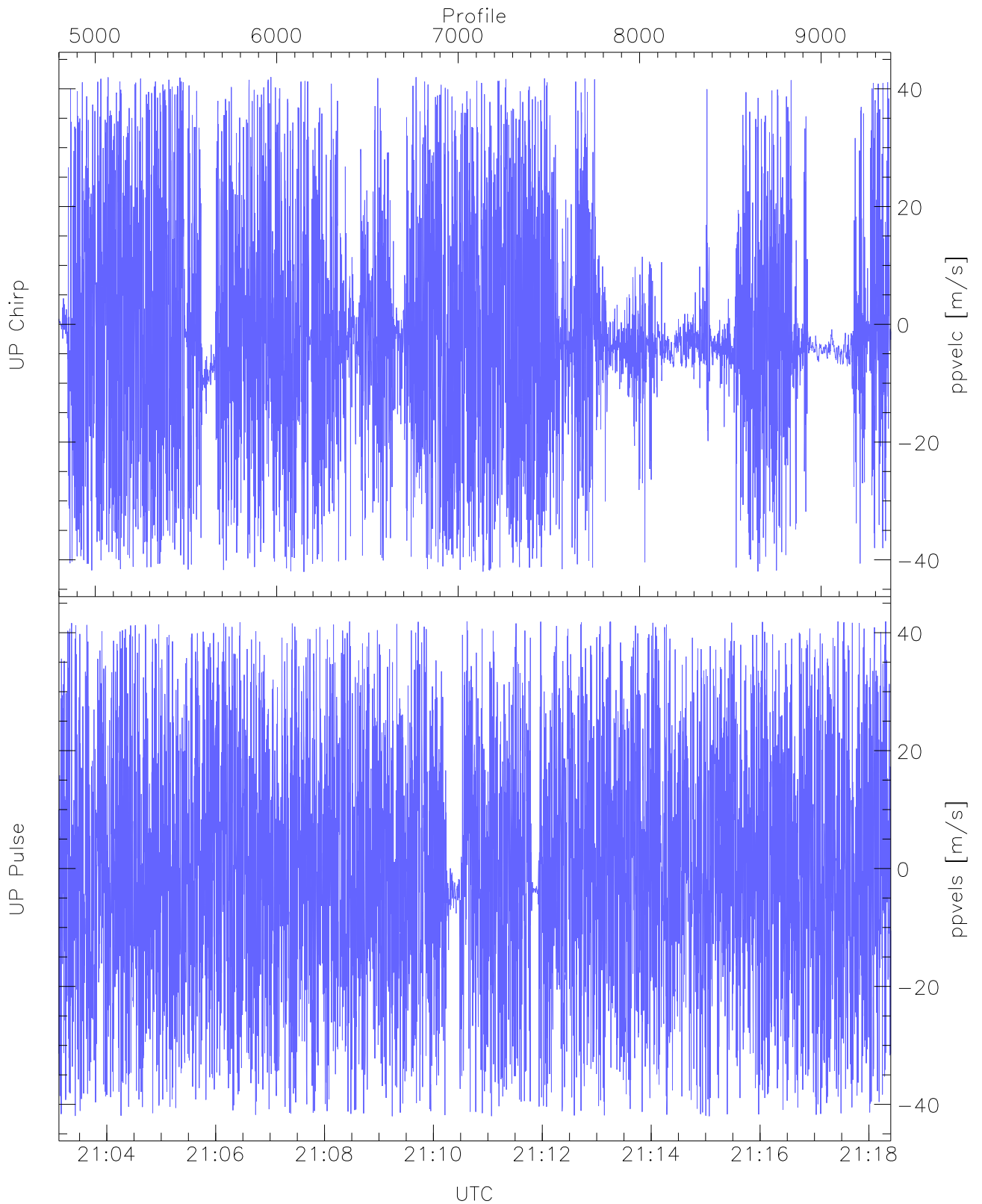
	Min	Max	Mean
UP Chirp(dBm)	-64.63	-49.37	-63.97
UP Pulse(dBm)	-65.45	-48.26	-64.93



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

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

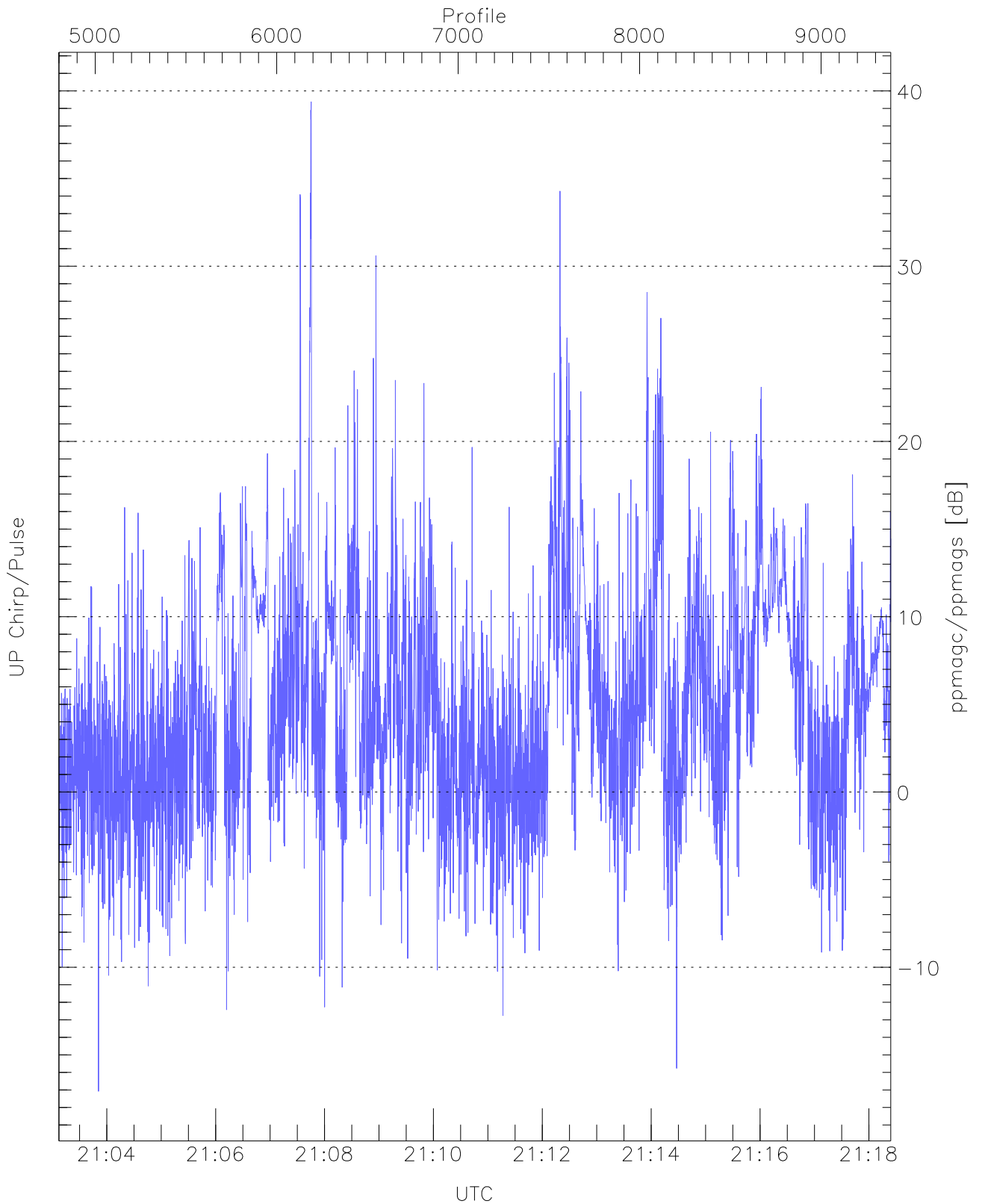
	Min	Max	Mean
UP Chirp(dBm)	-98.47	-49.57	-74.41
UP Pulse(dBm)	-102.50	-48.48	-76.69



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	42.00	-1.94
UP Pulse(m/s)	-42.01	41.93	-0.32



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-17.09	39.38	12.59