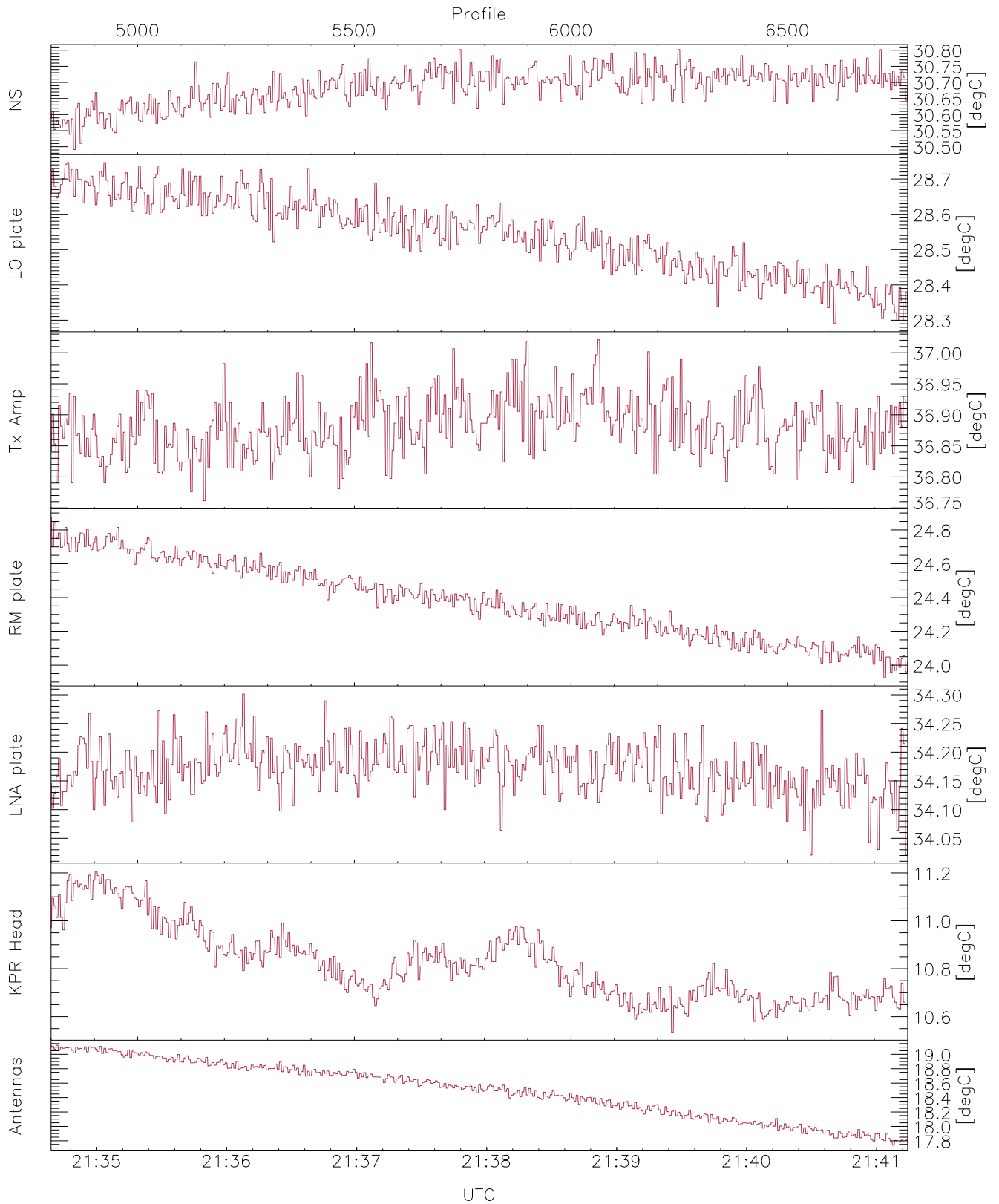


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 21:18:39-21:41:14, TimeCor: 0.00s, Dur: 395.43s  
 TimeInt(min,max,mn,std): 199.9,200.1,200.0,0.0 ms; PPS: 5.0  
 NumRec(r/t): 1978/6778, 4800-6777/21:34:39-21:41:14  
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 41.2 KB/s  
 Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 2.0 MHz  
 PRF: 18.5 KHz, avgPulses: 3704, avgPP: 3703  
 NyquistVel: 38.9 m/s, RangeRes:75.0 m  
 Pulse Range(min,max): 159, 6529 m, Gates: 171  
 Chirp Range(min,max): 1210, 6494 m, Gates: 142  
 RangeGateSampling: 37.5 m, Aspect: 2.1

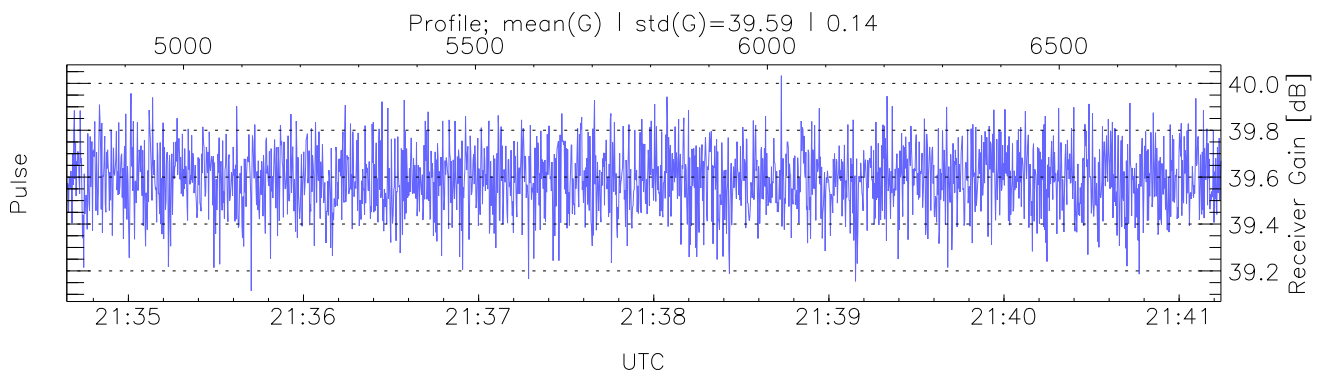
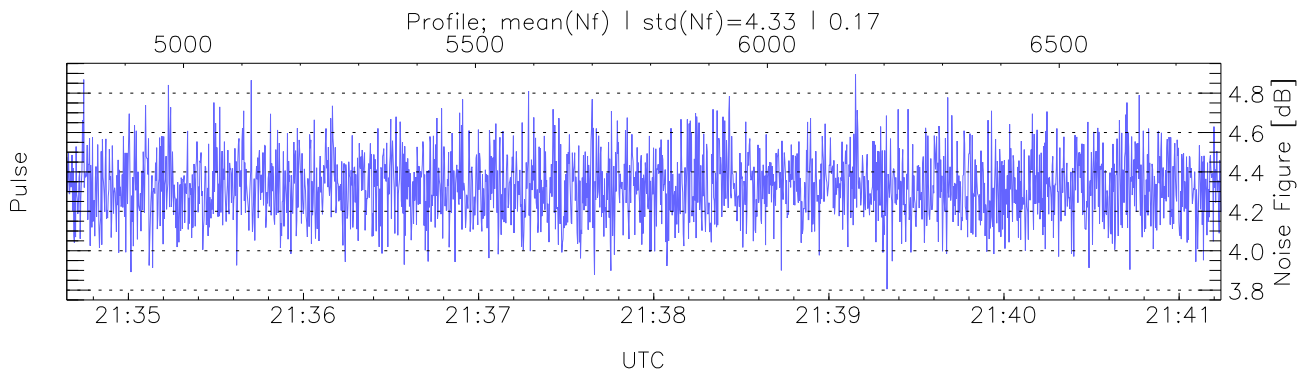
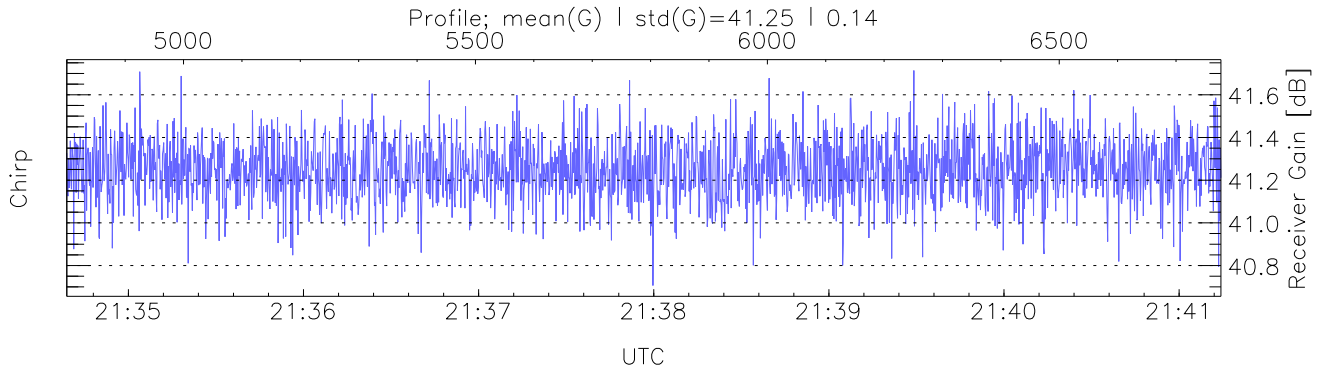
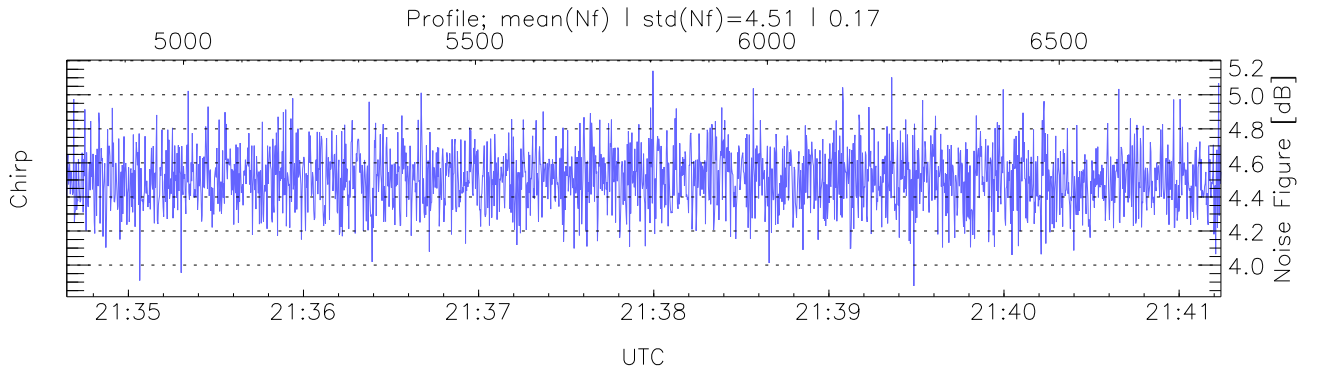


KPR SPP Temperatures, Power Supplies, PLO lock:

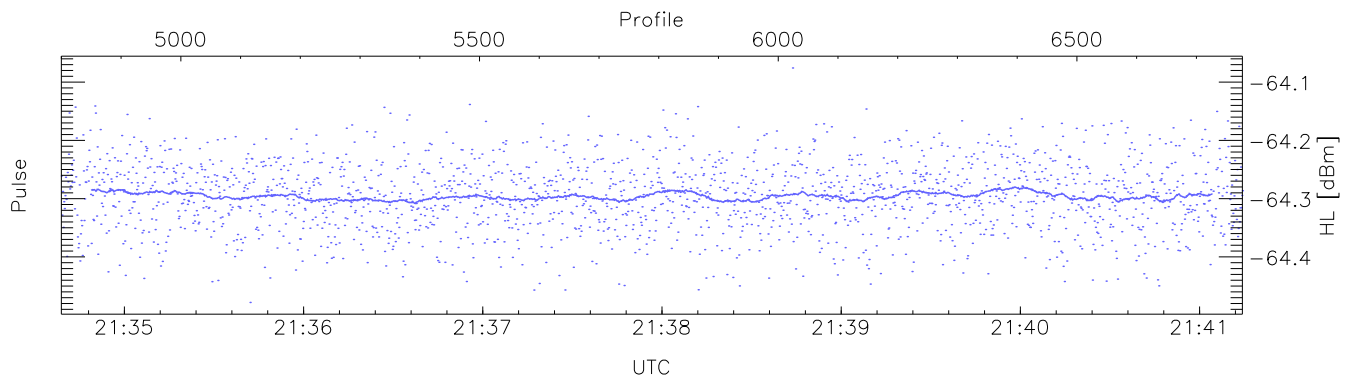
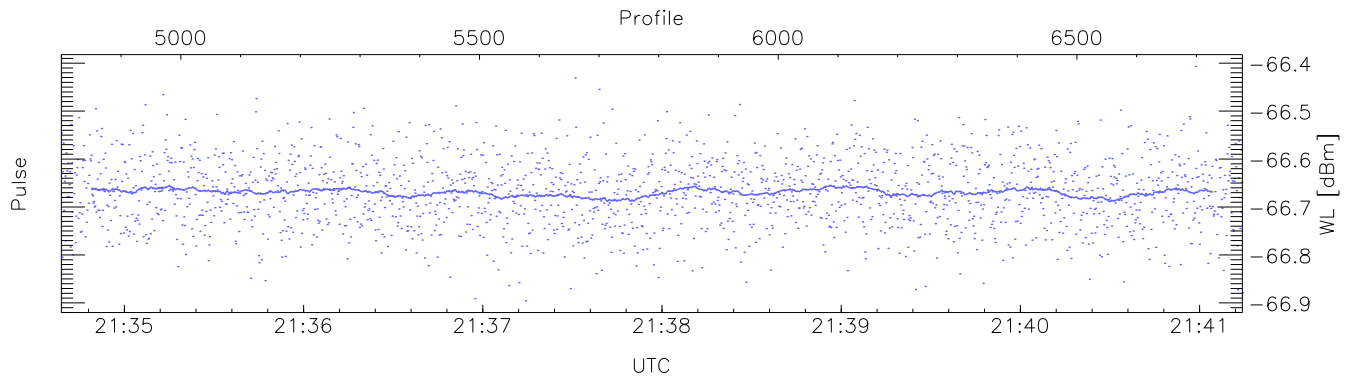
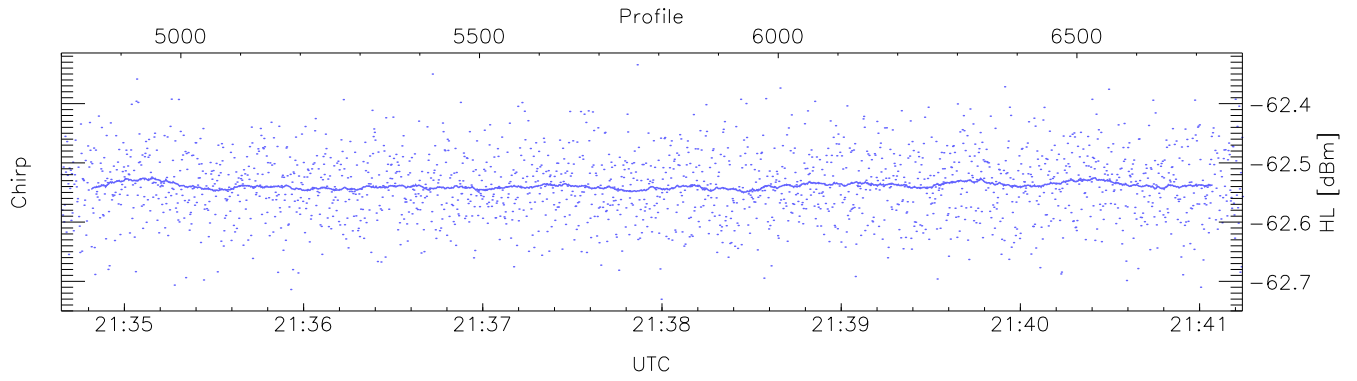
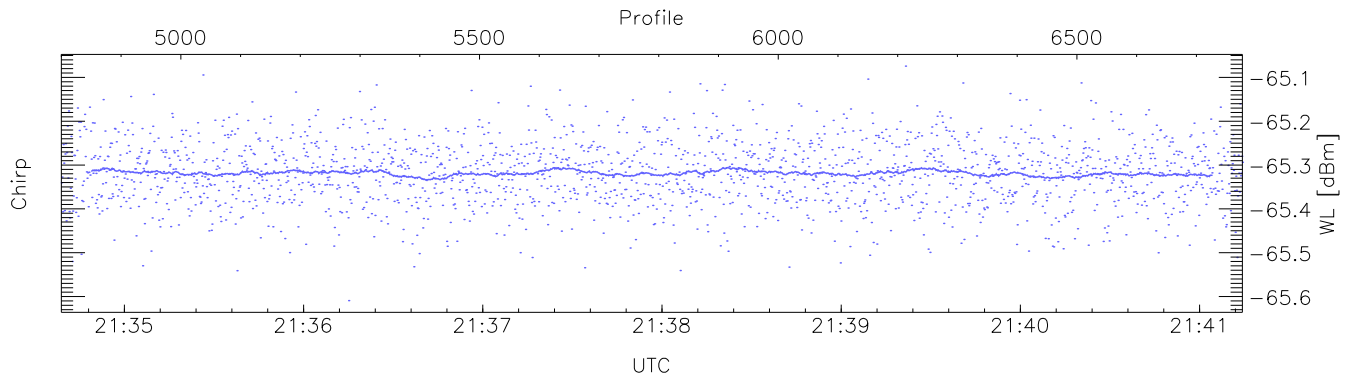
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	30.5,	28.3,	36.8,	23.9,	34.0,	10.5,	17.7
maxtempC:	30.8,	28.7,	37.0,	24.9,	34.3,	11.2,	19.1
meantempC:	30.7,	28.5,	36.9,	24.4,	34.2,	10.8,	18.5

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.83,	11.66,	7.87,	5.22
maxVDC:	27.66,	11.72,	7.89,	5.23
meanVDC:	26.97,	11.69,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

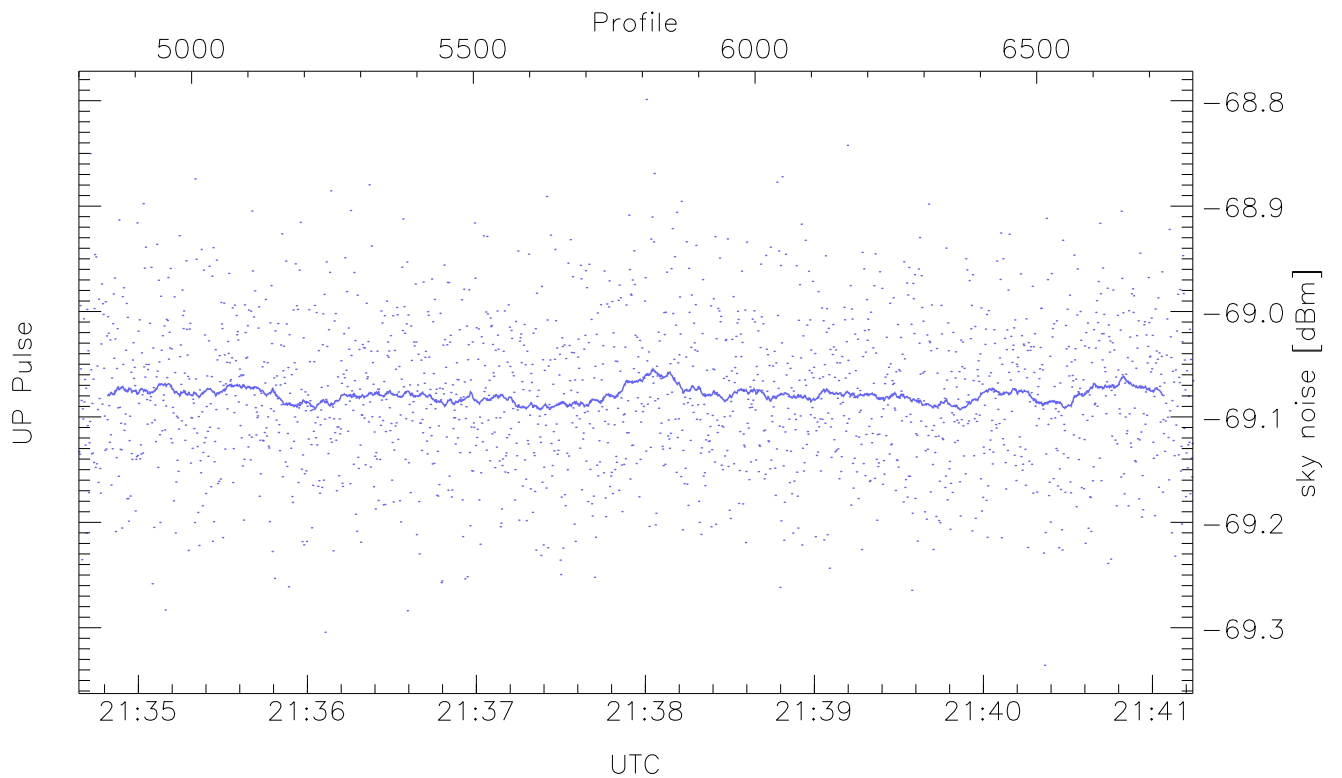
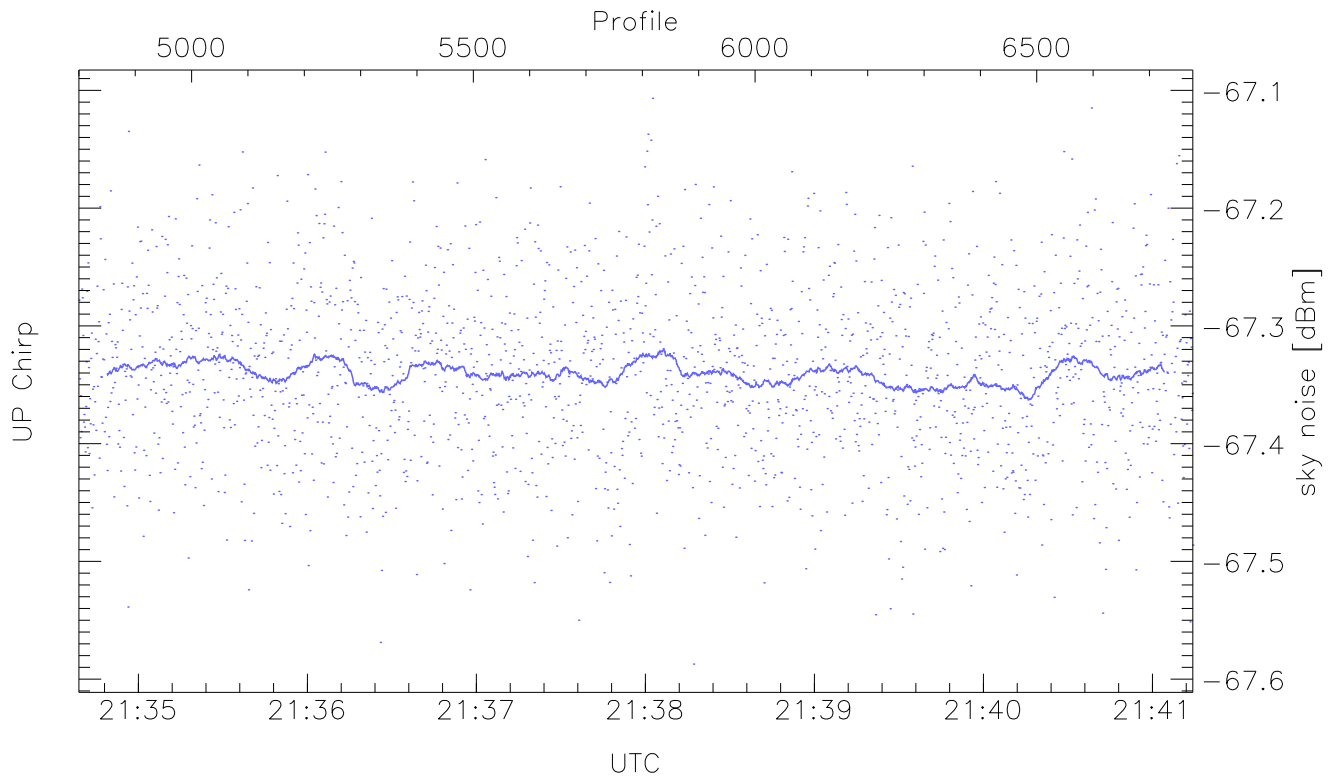


KPR SPP Receiver Gain and Noise Figure



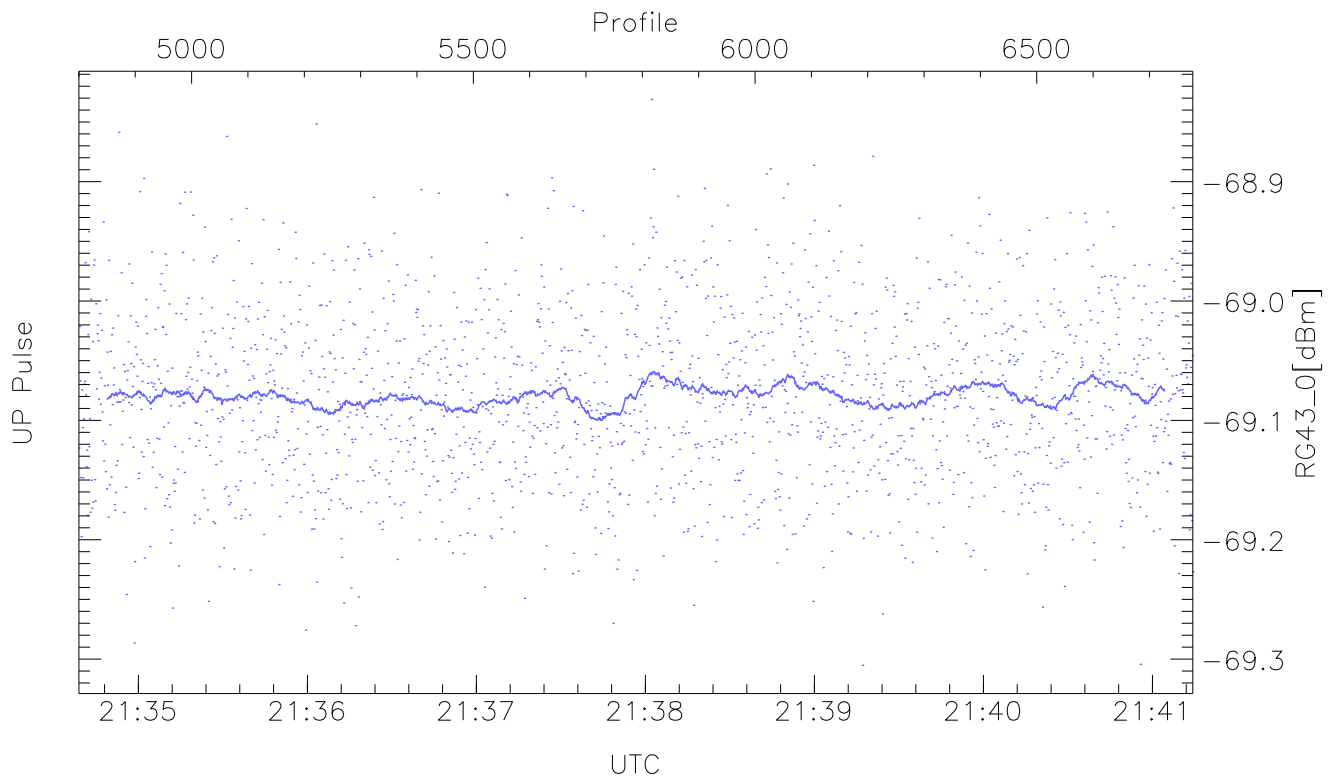
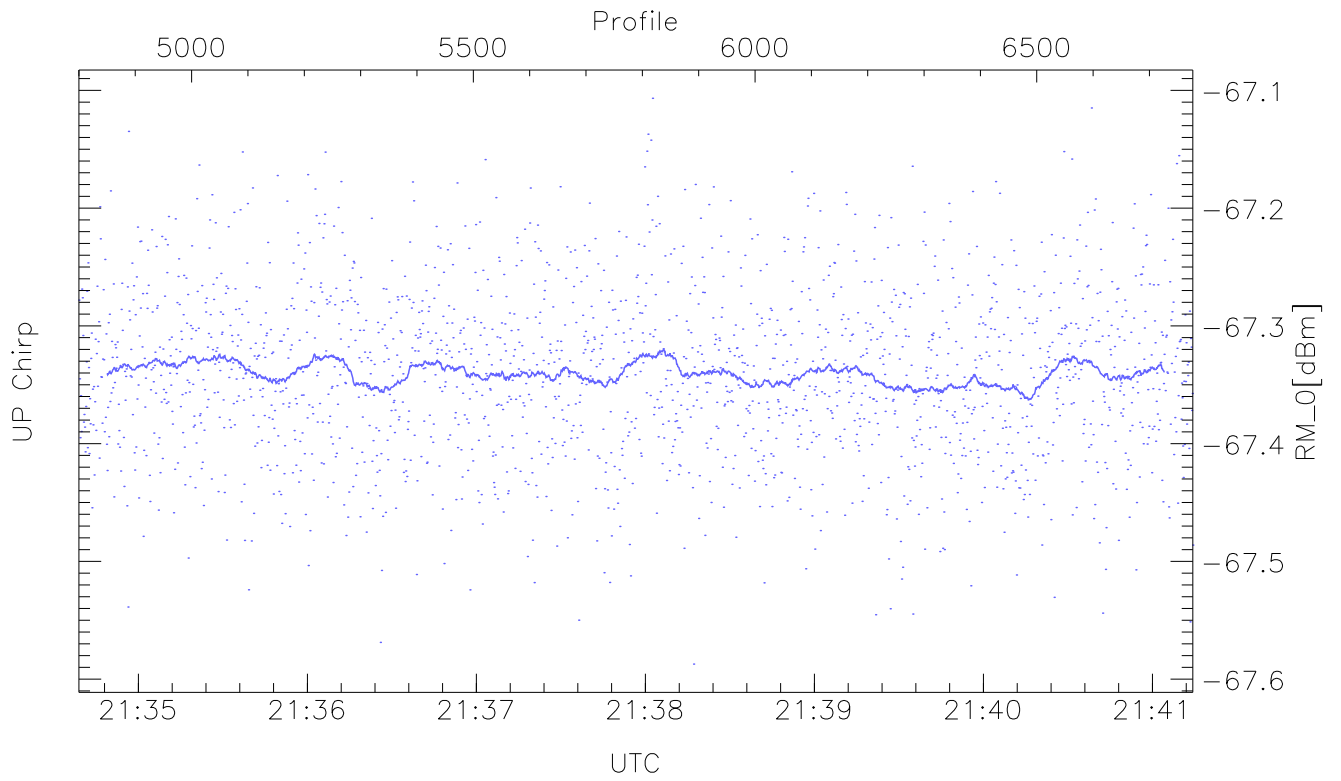
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.61	-65.07	-65.32	-65.32	-83.10
Chirp(HL [dBm])	-62.73	-62.33	-62.54	-62.54	-81.25
Pulse(WL [dBm])	-66.90	-66.41	-66.67	-66.67	-84.57
Pulse(HL [dBm])	-64.48	-64.08	-64.30	-64.29	-83.01



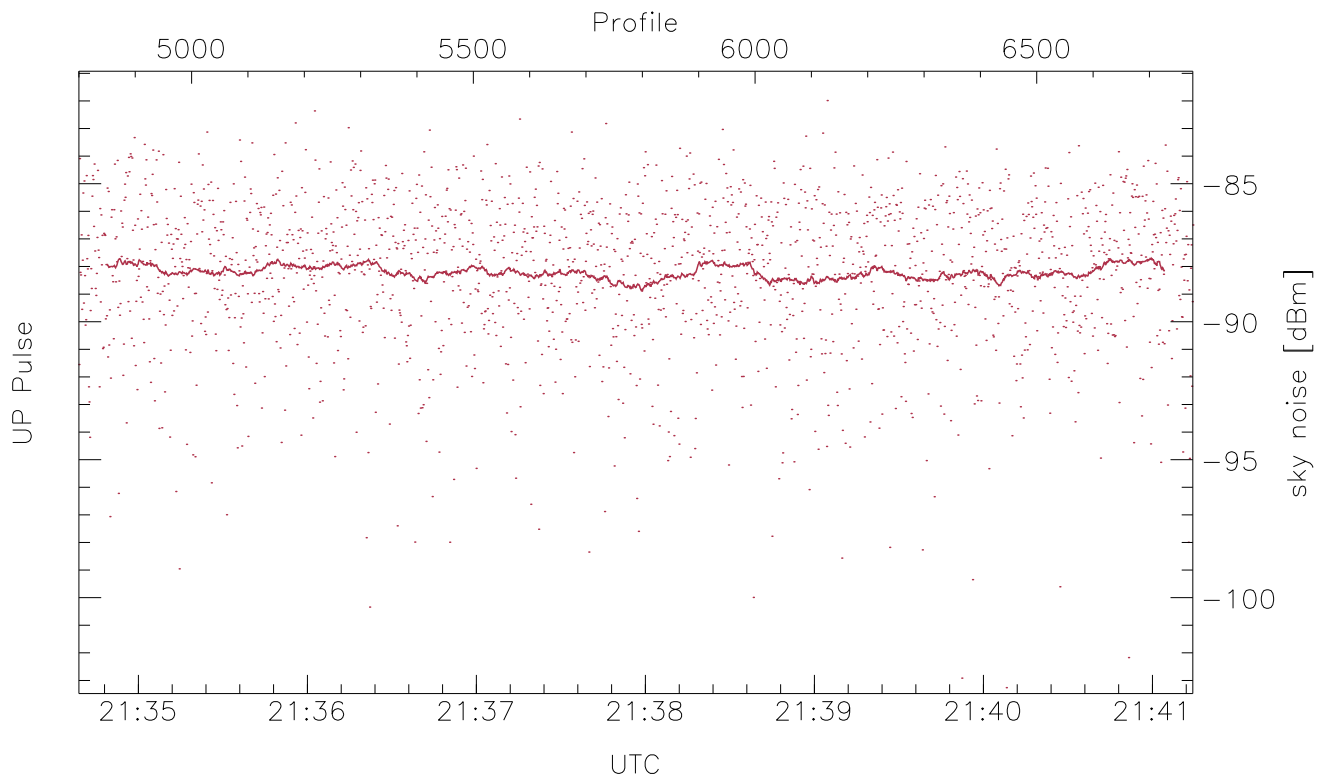
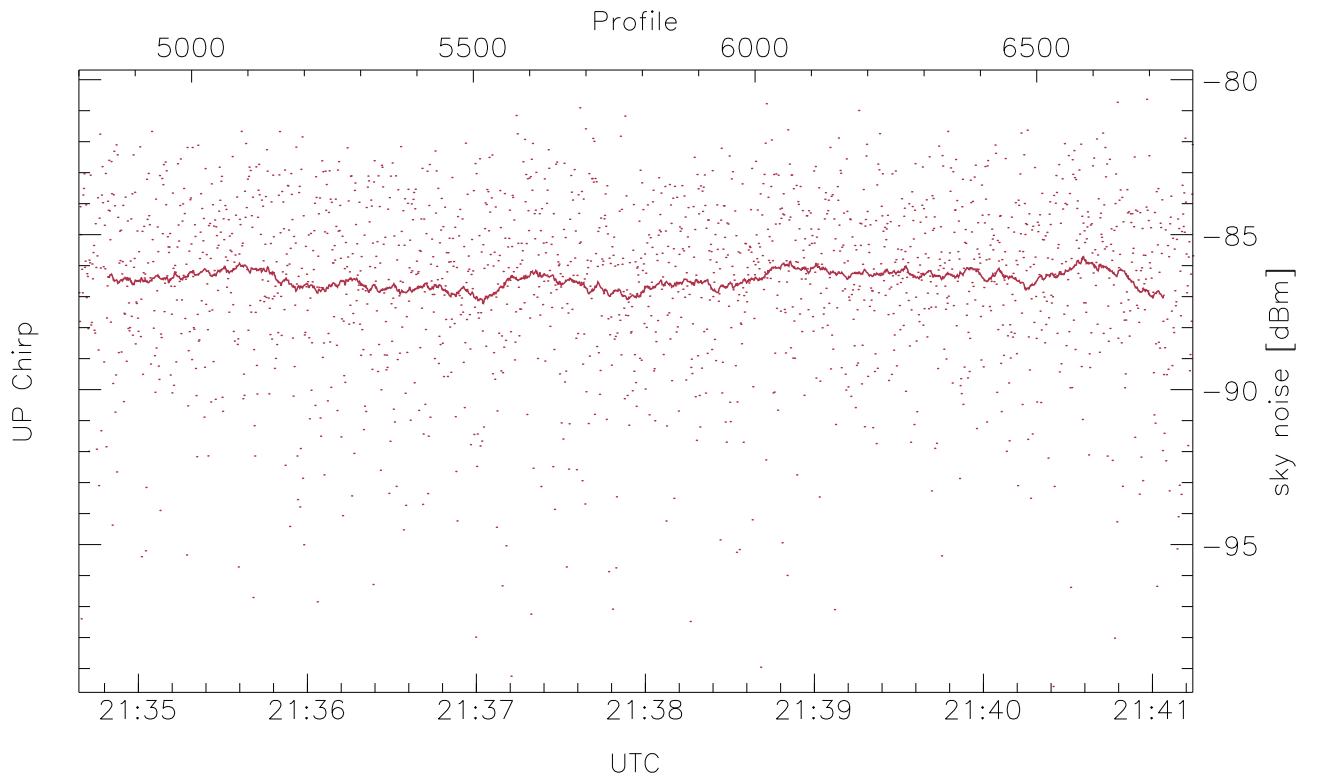
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.59	-67.11	-67.34	-67.34	-85.18
UP Pulse(dBm)	-69.34	-68.80	-69.08	-69.08	-86.95



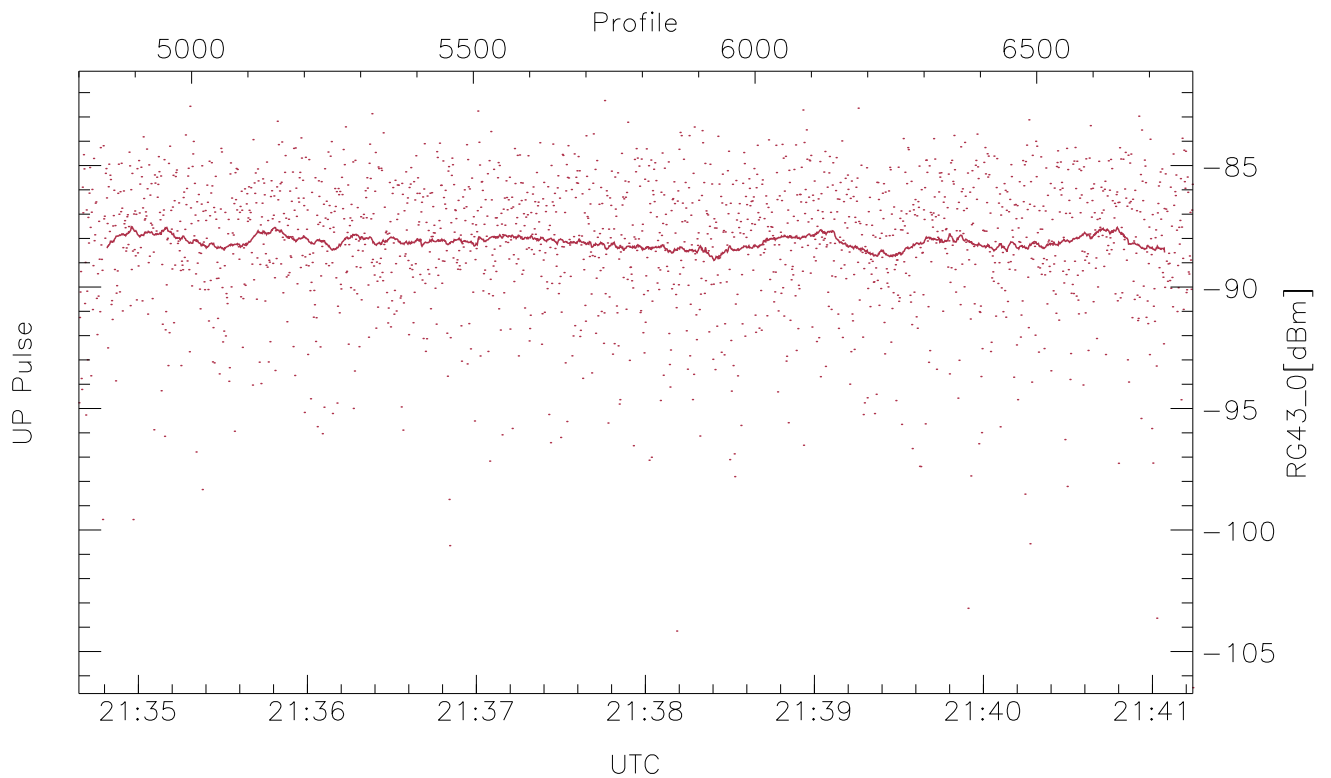
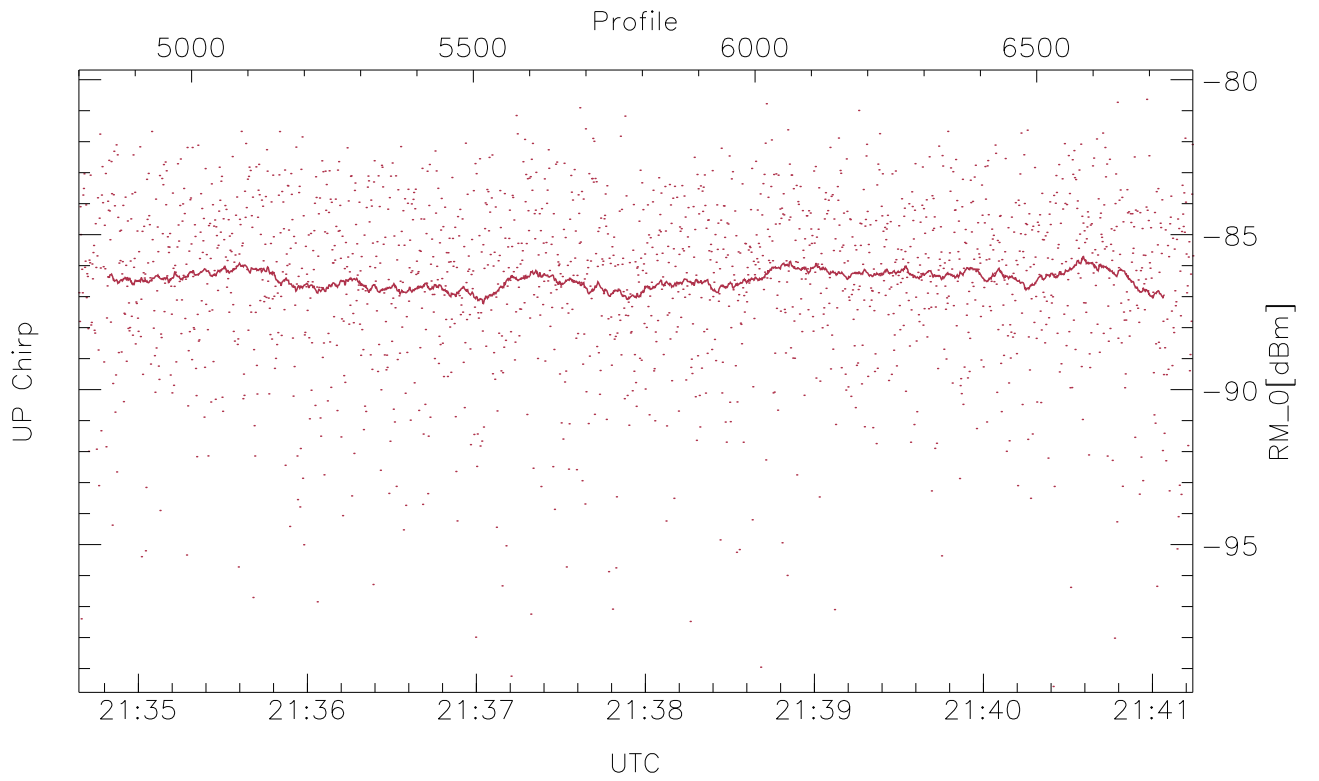
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-67.59	-67.11	-67.34	-67.34	-85.18
UP_P_RG43_0	-69.31	-68.83	-69.08	-69.08	-86.96



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

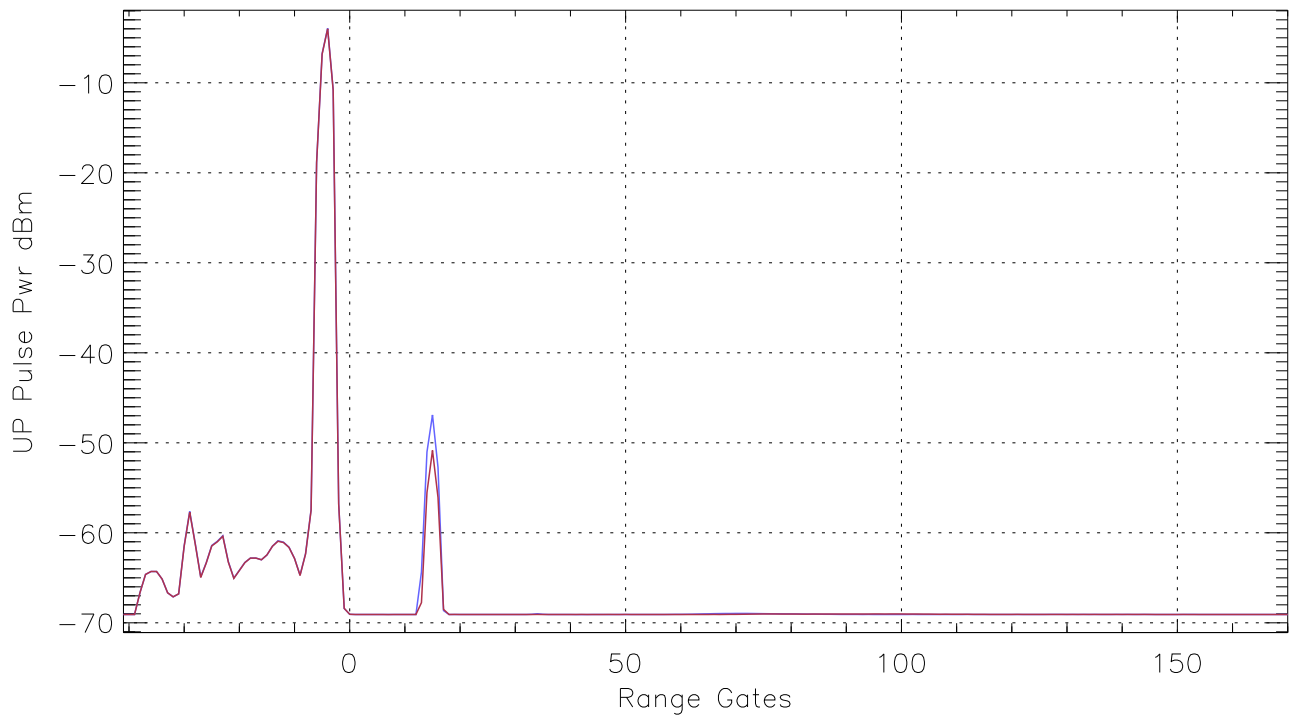
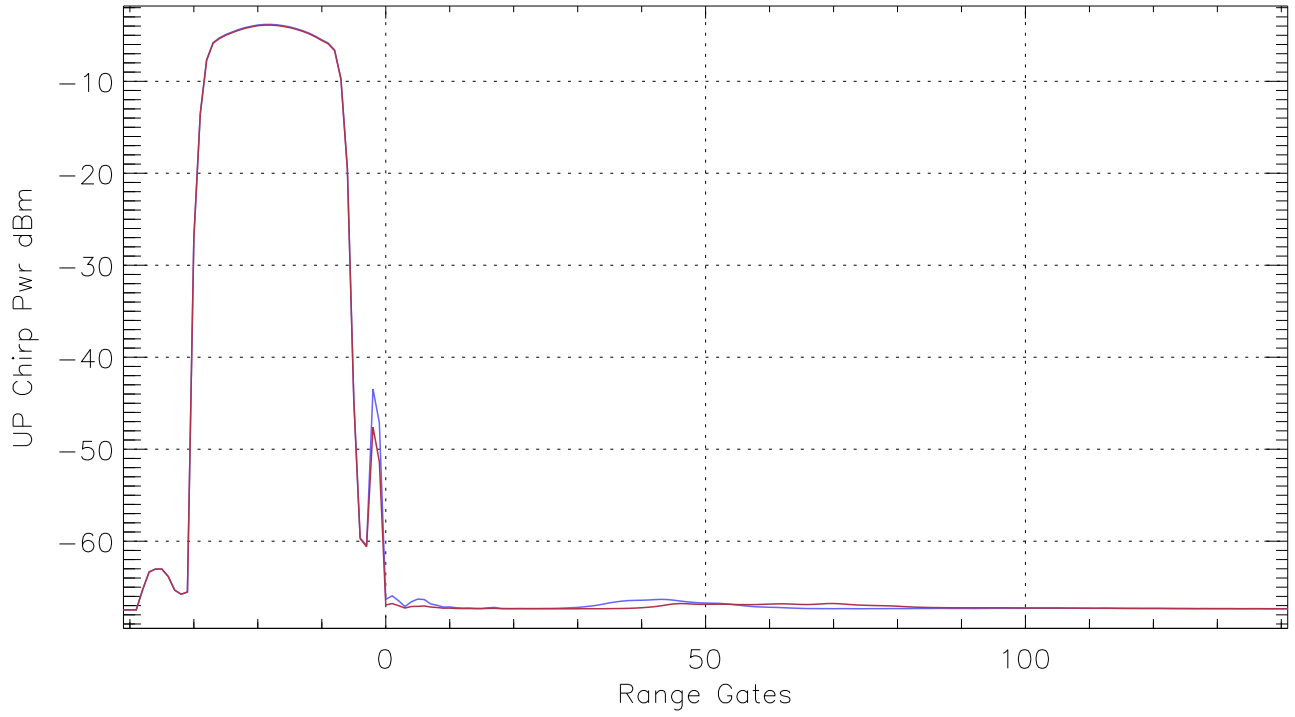
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.58	-80.63	-85.71	-86.01	-88.45
UP Pulse(dBm)	-103.26	-81.99	-87.48	-87.75	-90.26



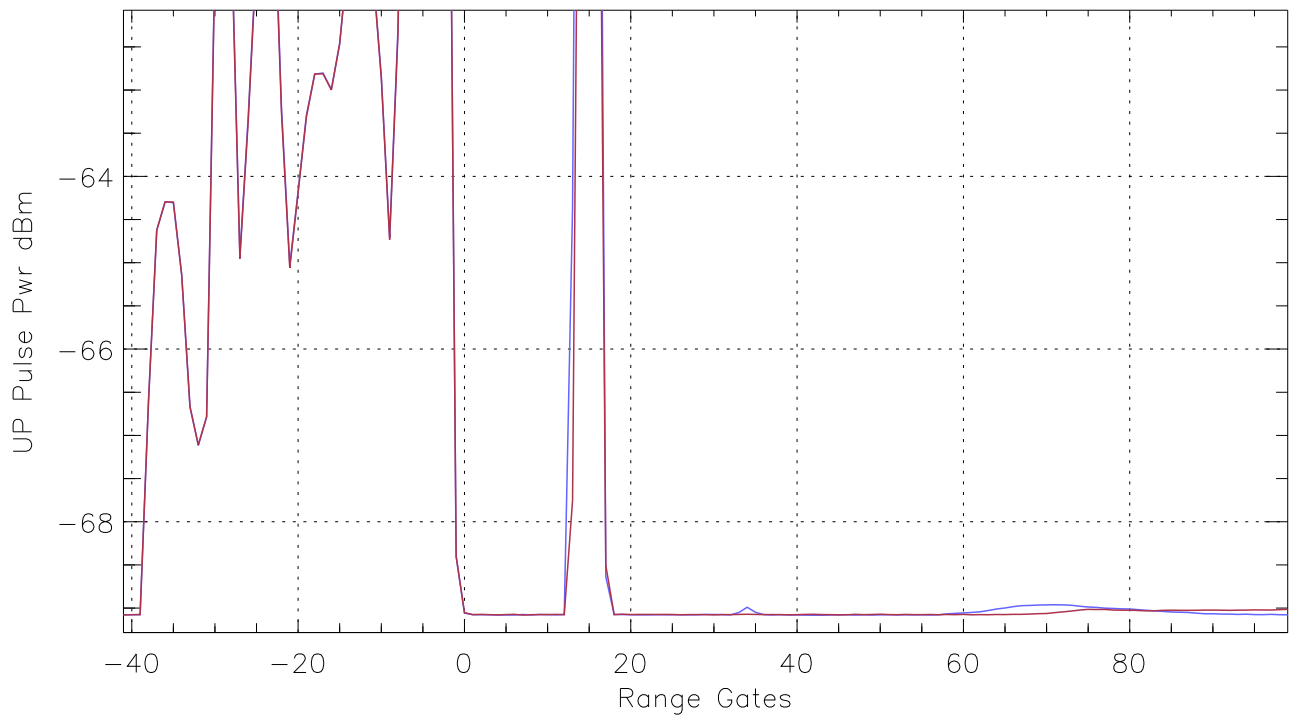
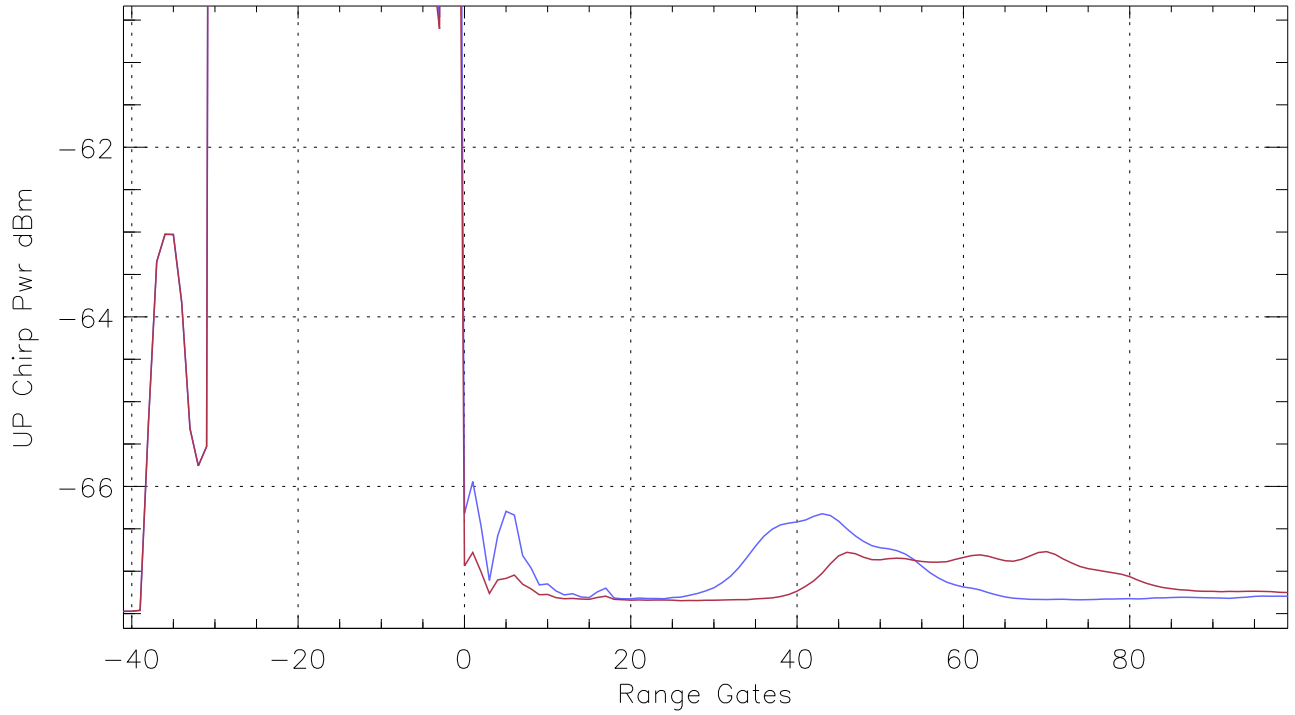
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-99.58	-80.63	-85.71	-86.01	-88.45
UP_P_RG43_0	-106.49	-82.33	-87.42	-87.69	-90.22

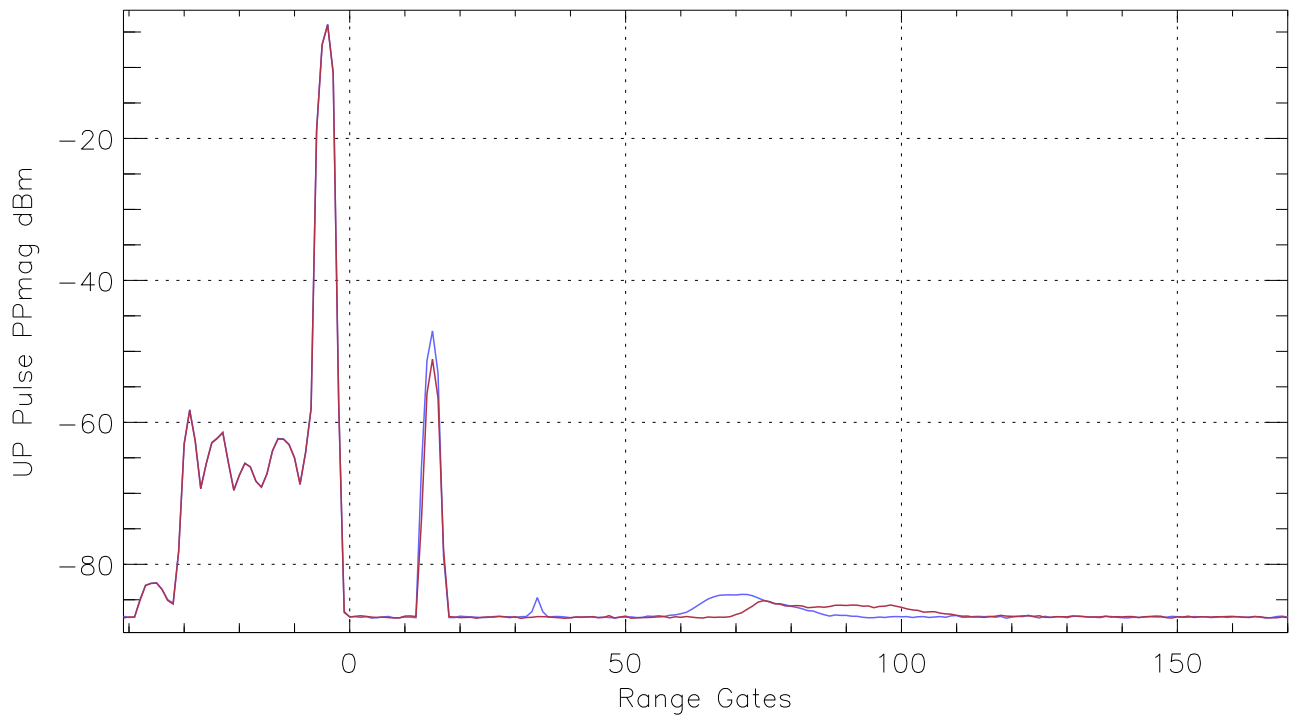
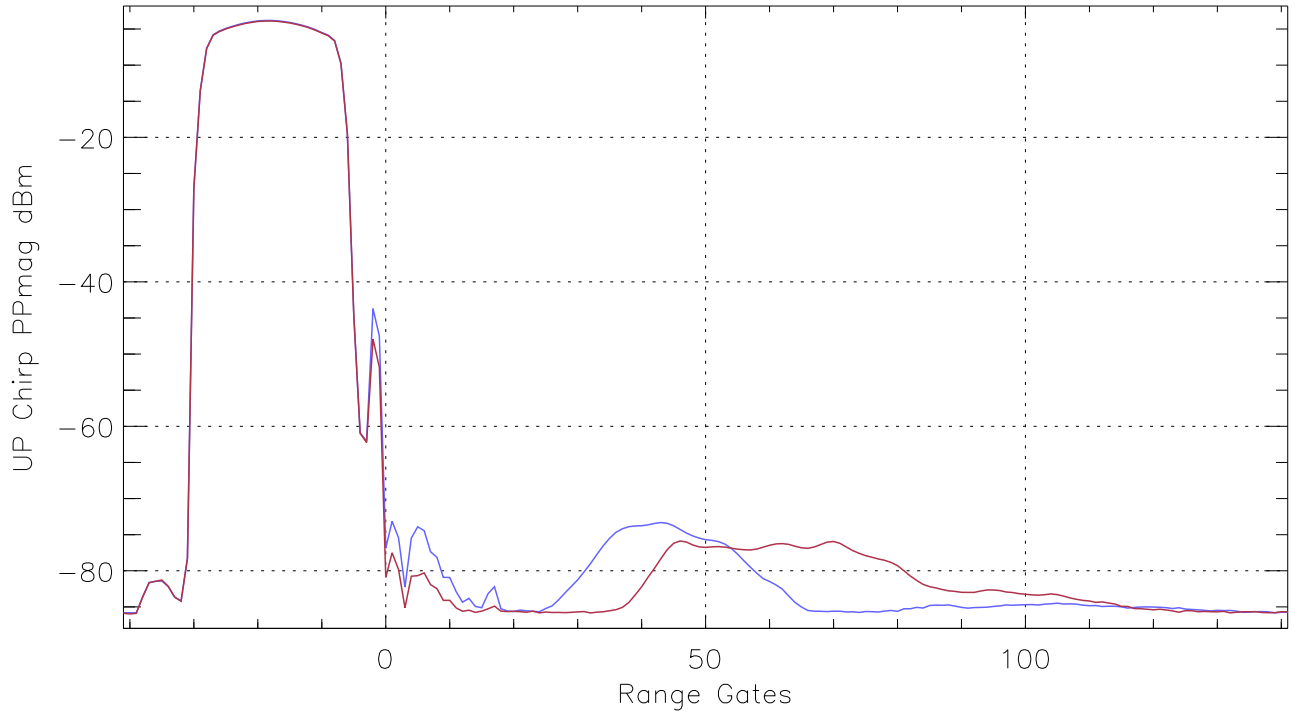




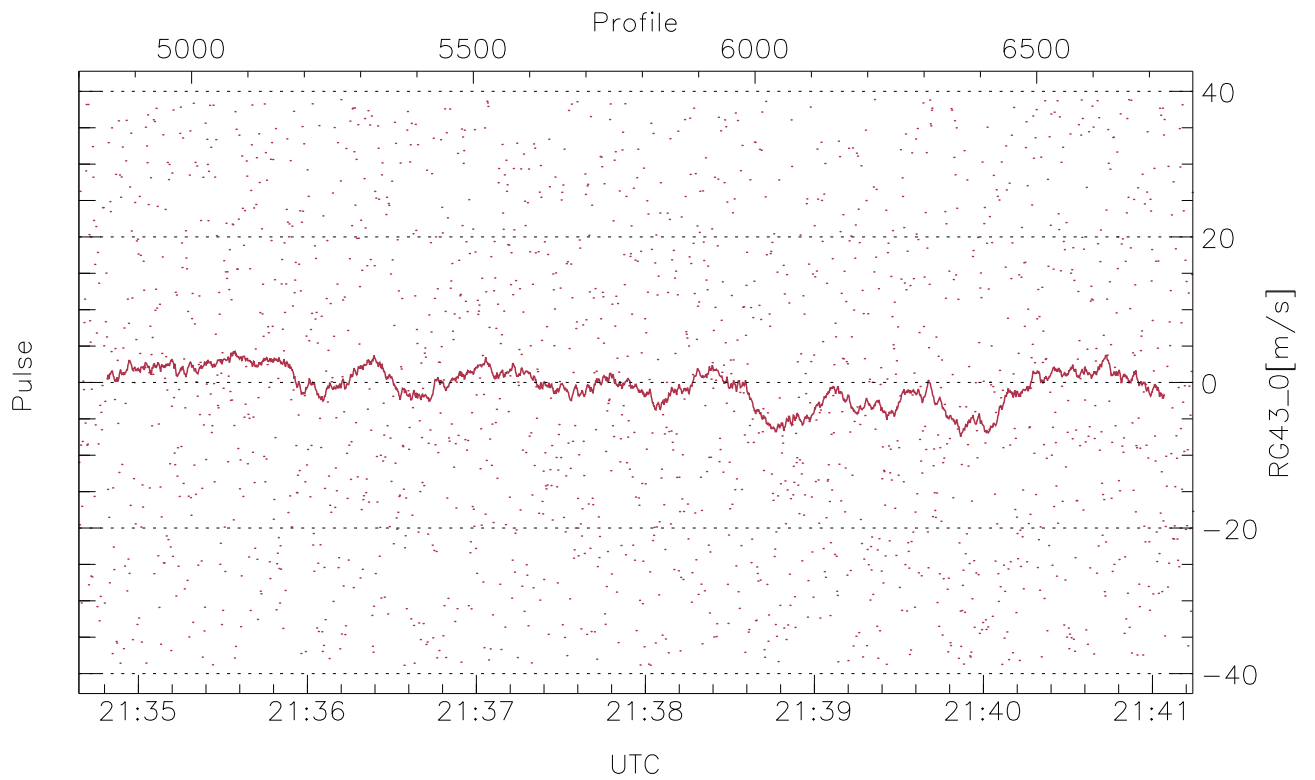
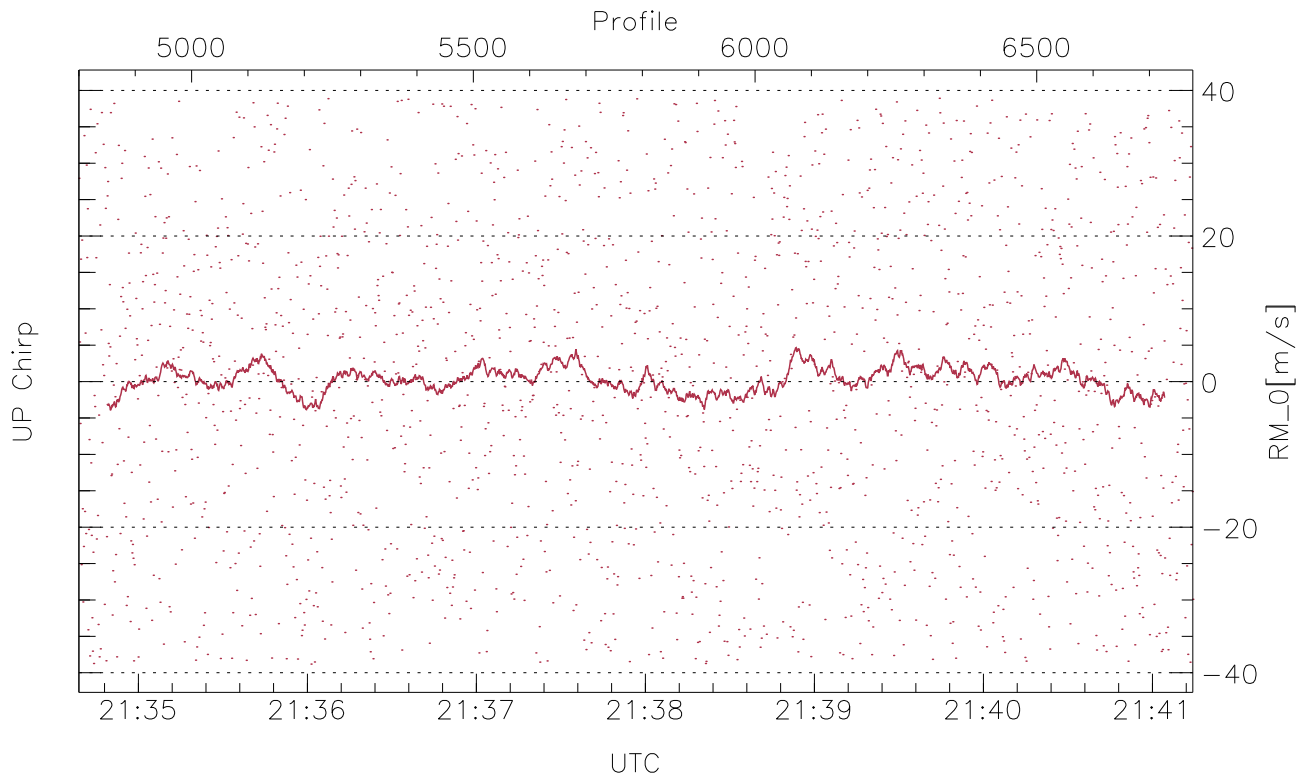
KPR SPP Averaged Received power for all recorded gates  
blue: 213439-213756, 990 profiles averaged  
red: 213756-214114, 989 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 213439-213756, 990 profiles averaged  
red: 213756-214114, 989 profiles averaged

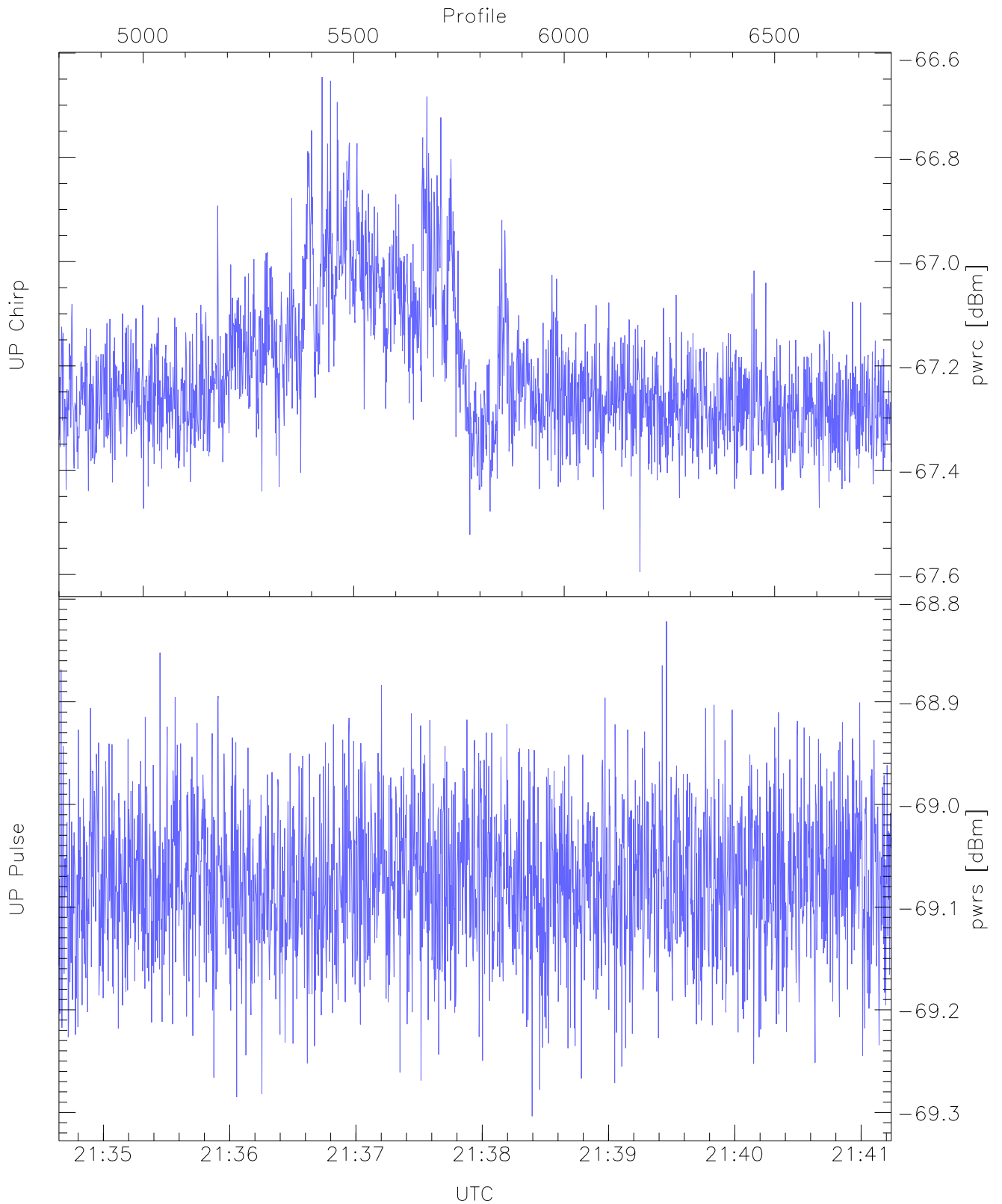


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 213439-213756, 990 profiles averaged  
red: 213756-214114, 989 profiles averaged



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

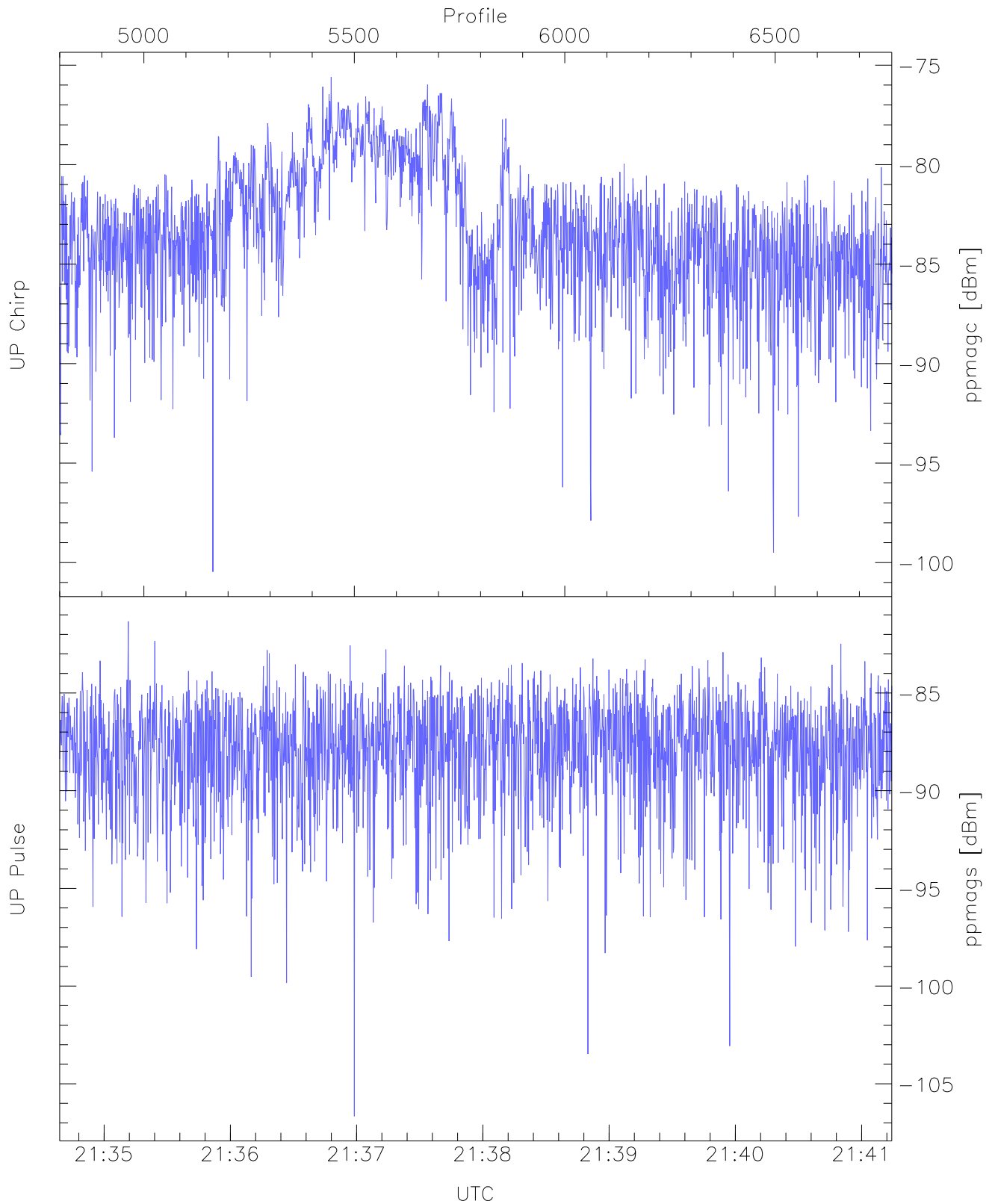
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-38.81	38.91	0.13	0.89	21.51
UP_P_RG43_0	-38.86	38.88	-0.45	-1.32	21.97



KPR SPP Received Power for Chirp Range gate 10 (1585.2 m)

KPR SPP Received Power for Pulse Range gate 10 (533.8 m)

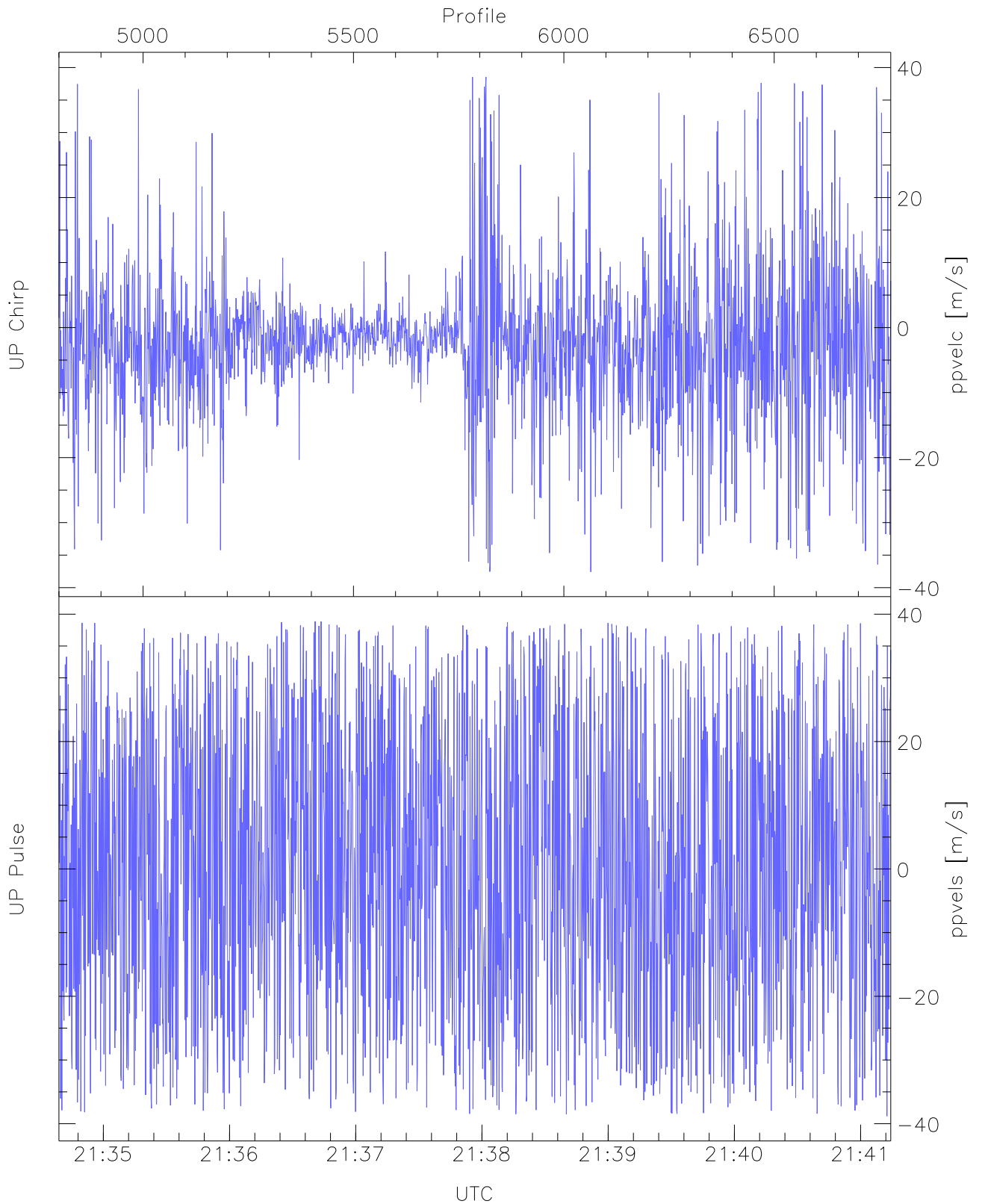
	Min	Max	Mean
UP Chirp(dBm)	-67.60	-66.65	-67.21
UP Pulse(dBm)	-69.30	-68.82	-69.08



KPR SPP PPMAG for Chirp Range gate 10 (1585.2 m)

KPR SPP PPMAG for Pulse Range gate 10 (533.8 m)

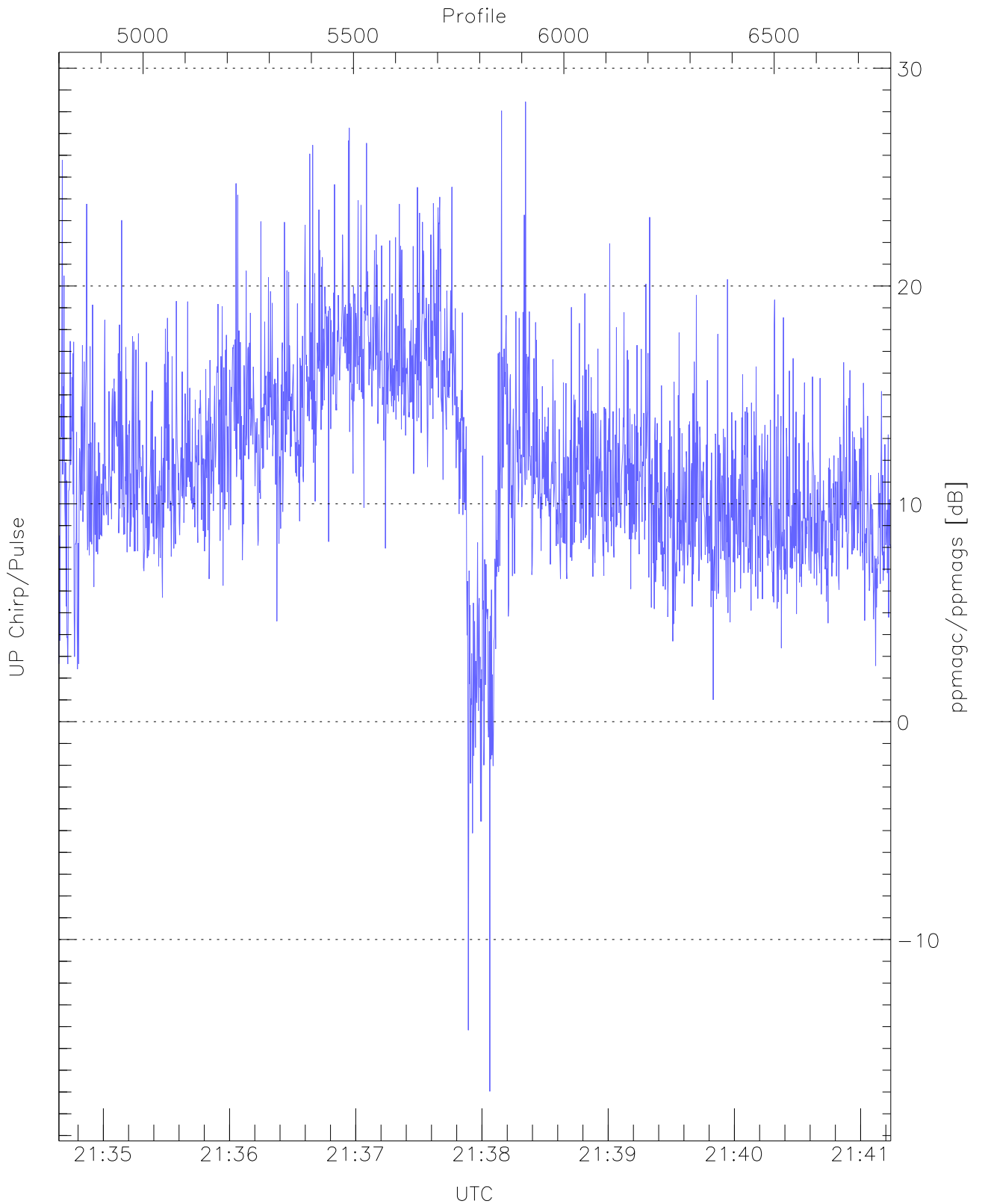
	Min	Max	Mean
UP Chirp(dBm)	-100.47	-75.60	-82.23
UP Pulse(dBm)	-106.66	-81.33	-87.37



KPR SPP PPVEL for Chirp Range gate 10 (1585.2 m)

KPR SPP PPVEL for Pulse Range gate 10 (533.8 m)

	Min	Max	Mean
UP Chirp(m/s)	-37.58	38.54	-2.46
UP Pulse(m/s)	-38.82	38.88	0.60



KPR SPP PPMAG Chirp/Pulse; Range gate: 1247.9m /1283.3m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-16.97	28.46	14.44