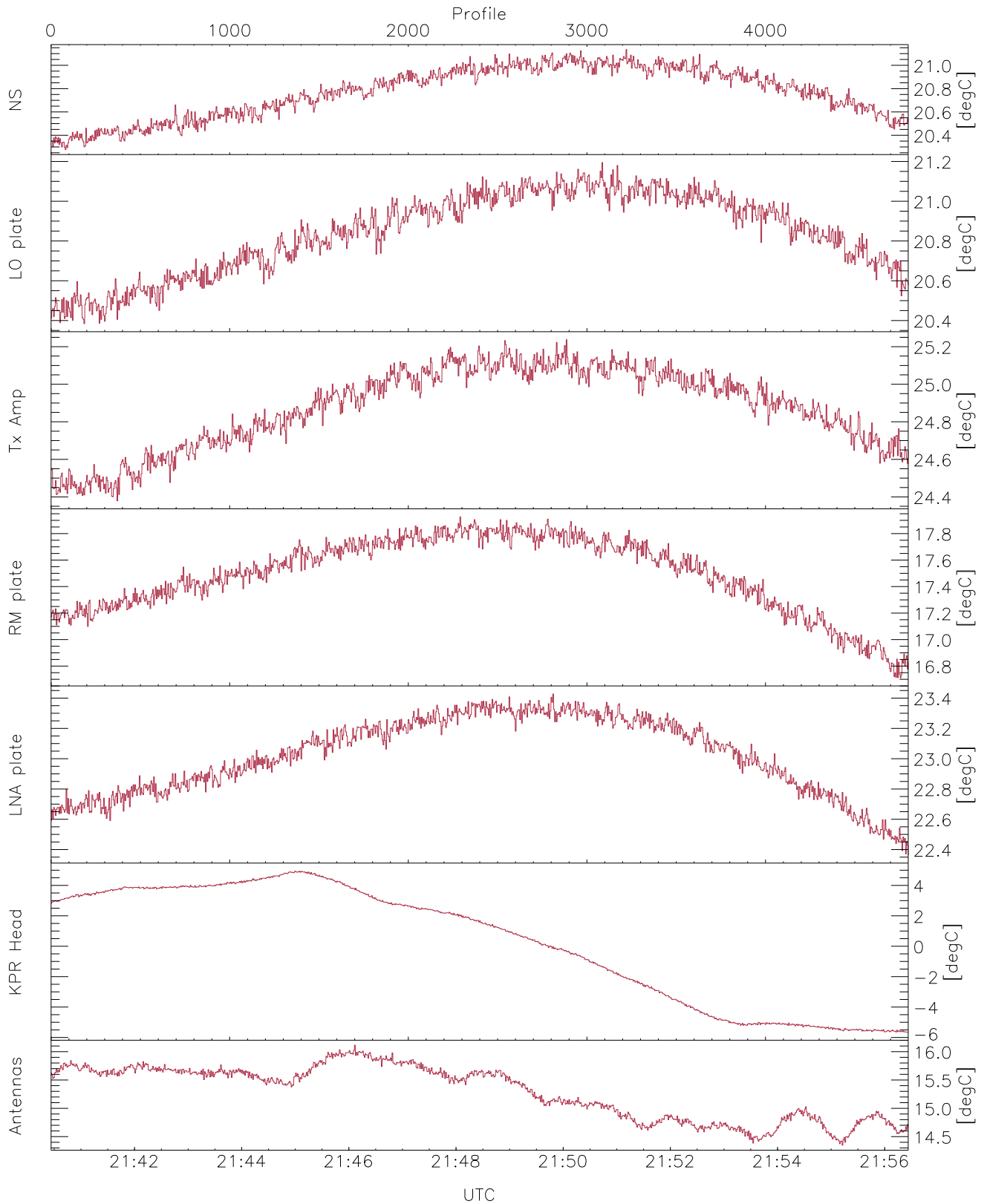


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 21:40:27-22:00:37, TimeCor: 0.00s, Dur: 959.80s
 TimeInt(min,max,mn,std): 188.0,214.7,200.0,1.1 ms; PPS: 5.0
 NumRec(r/t): 4800/6053, 0-4799/21:40:27-21:56:26
 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

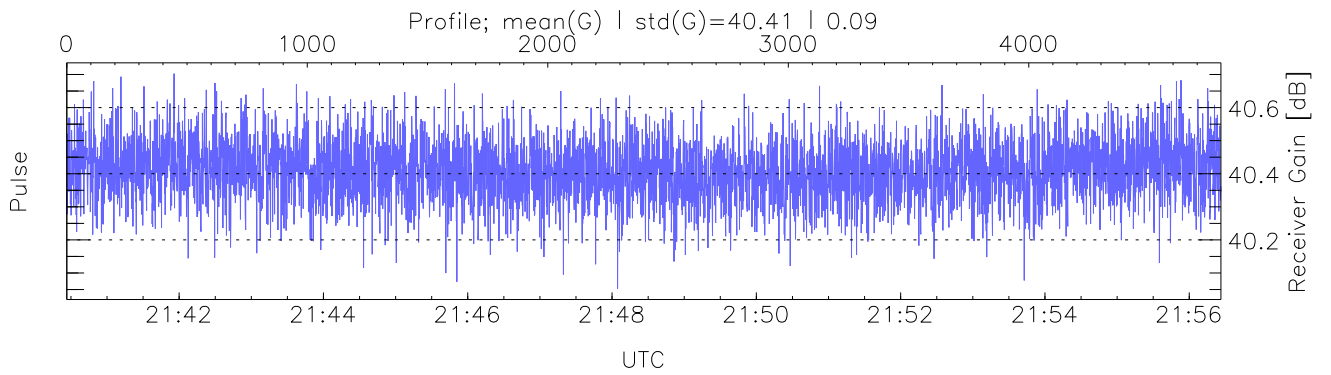
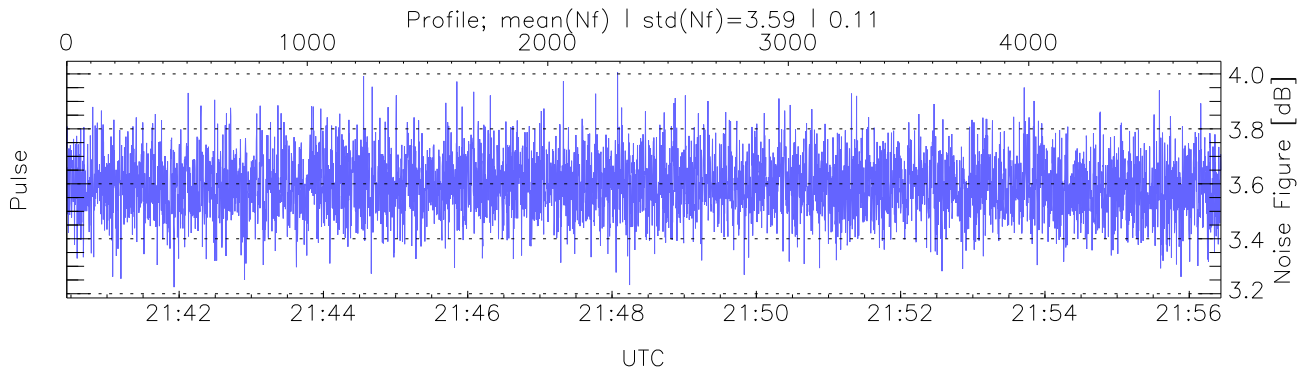
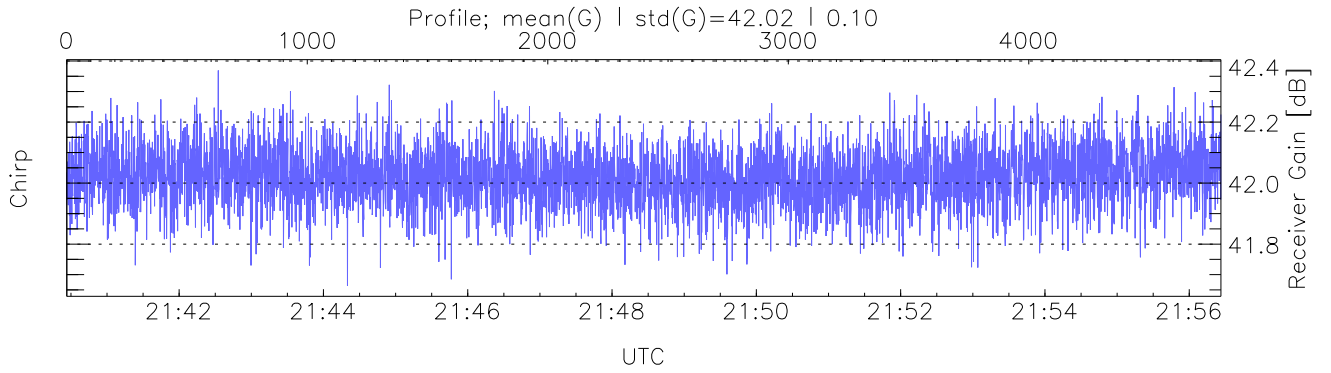
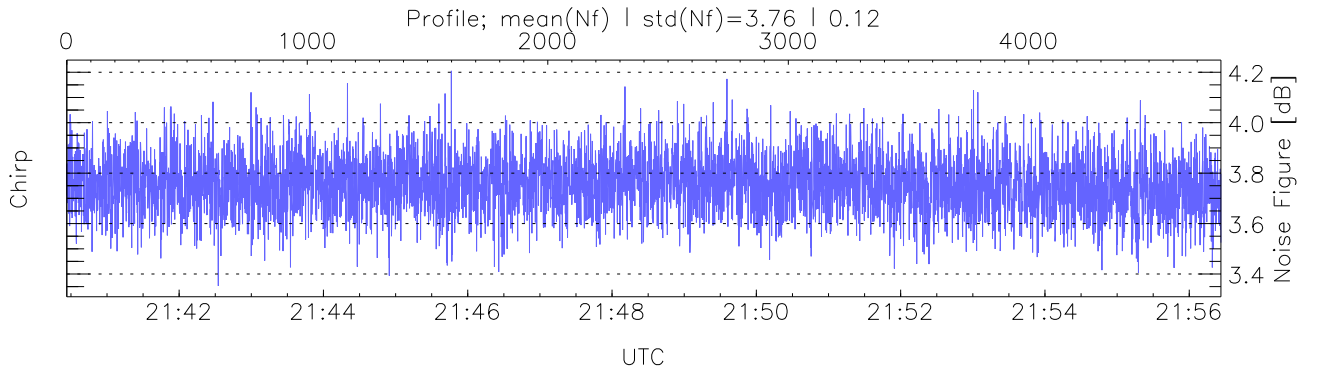


KPR SPP Temperatures, Power Supplies, PLO lock:

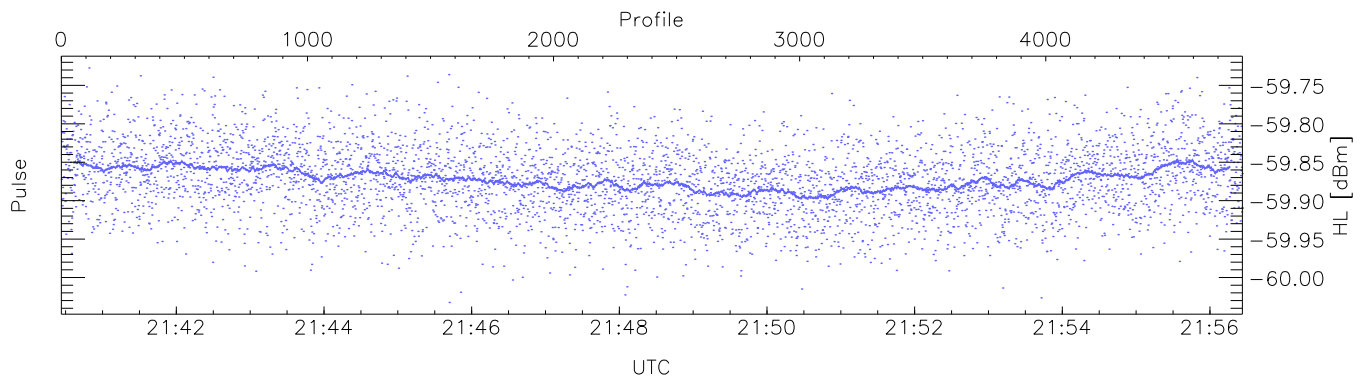
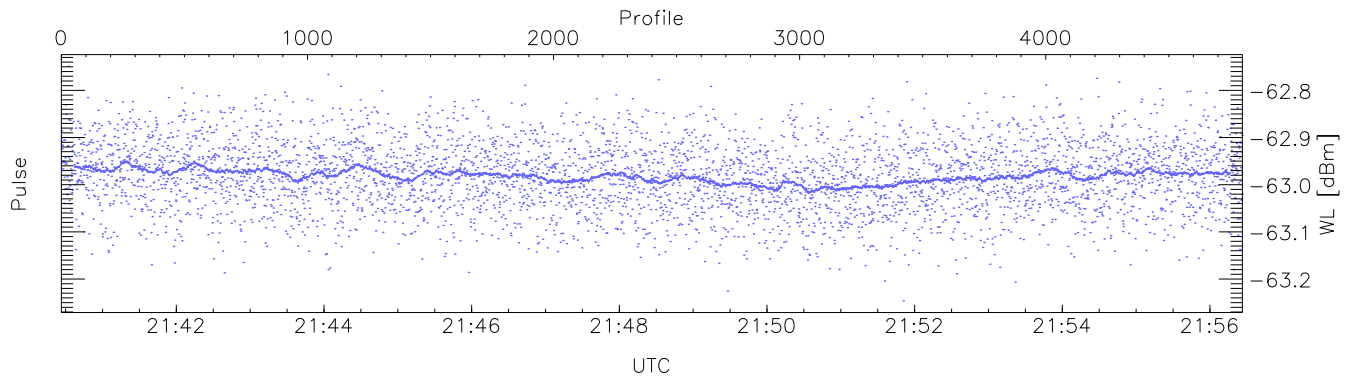
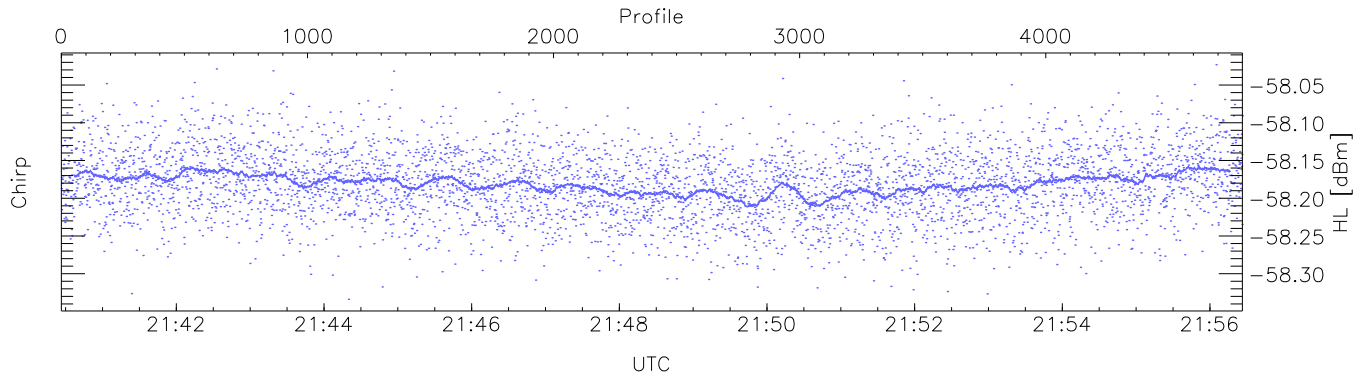
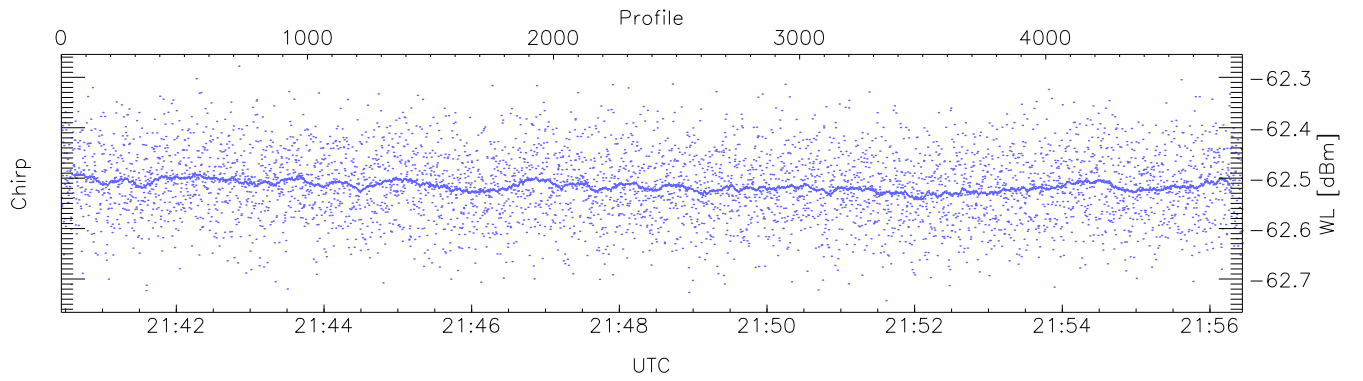
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	20.3,	20.4,	24.4,	16.7,	22.4,	-5.7,	14.3
maxtempC:	21.1,	21.2,	25.2,	17.9,	23.4,	4.9,	16.1
meantempC:	20.8,	20.8,	24.9,	17.5,	23.0,	0.2,	15.3

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.65,	11.68,	7.87,	5.21
maxVDC:	27.90,	11.73,	7.90,	5.23
meanVDC:	27.02,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

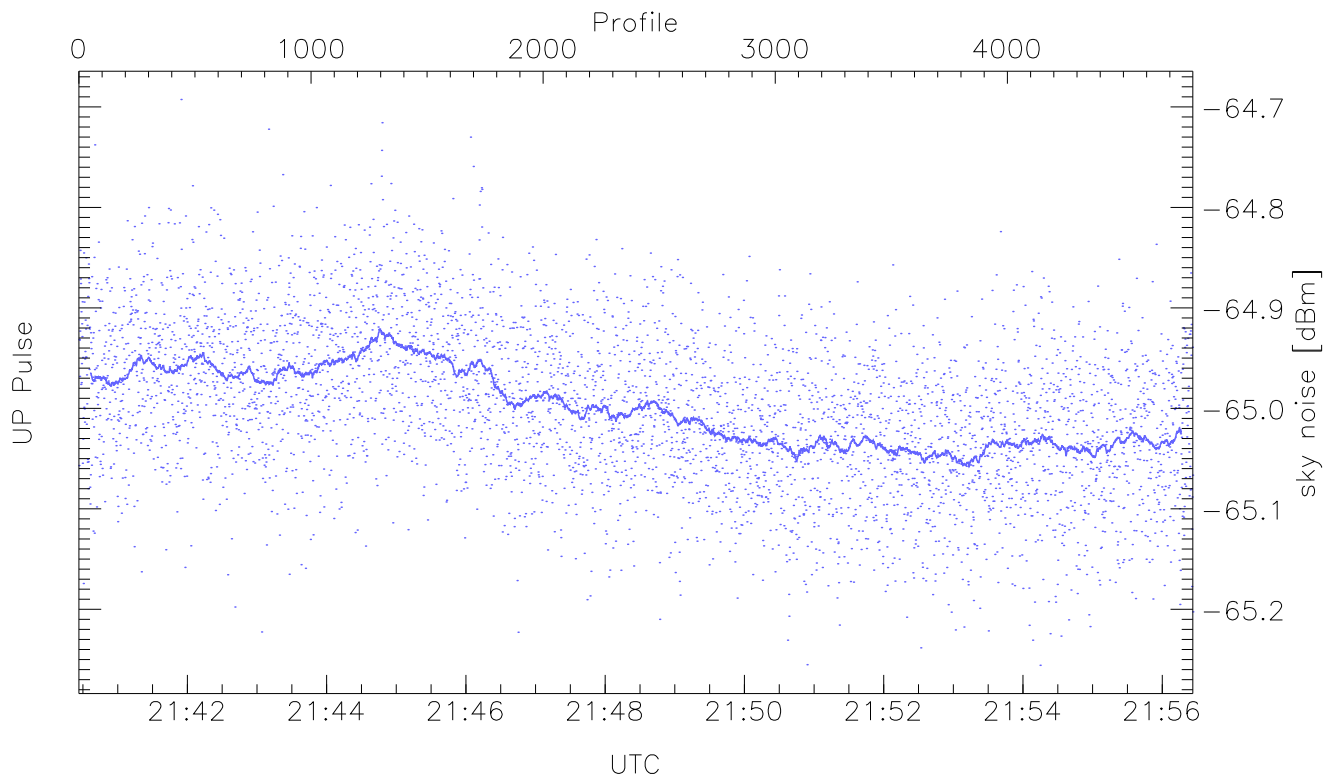
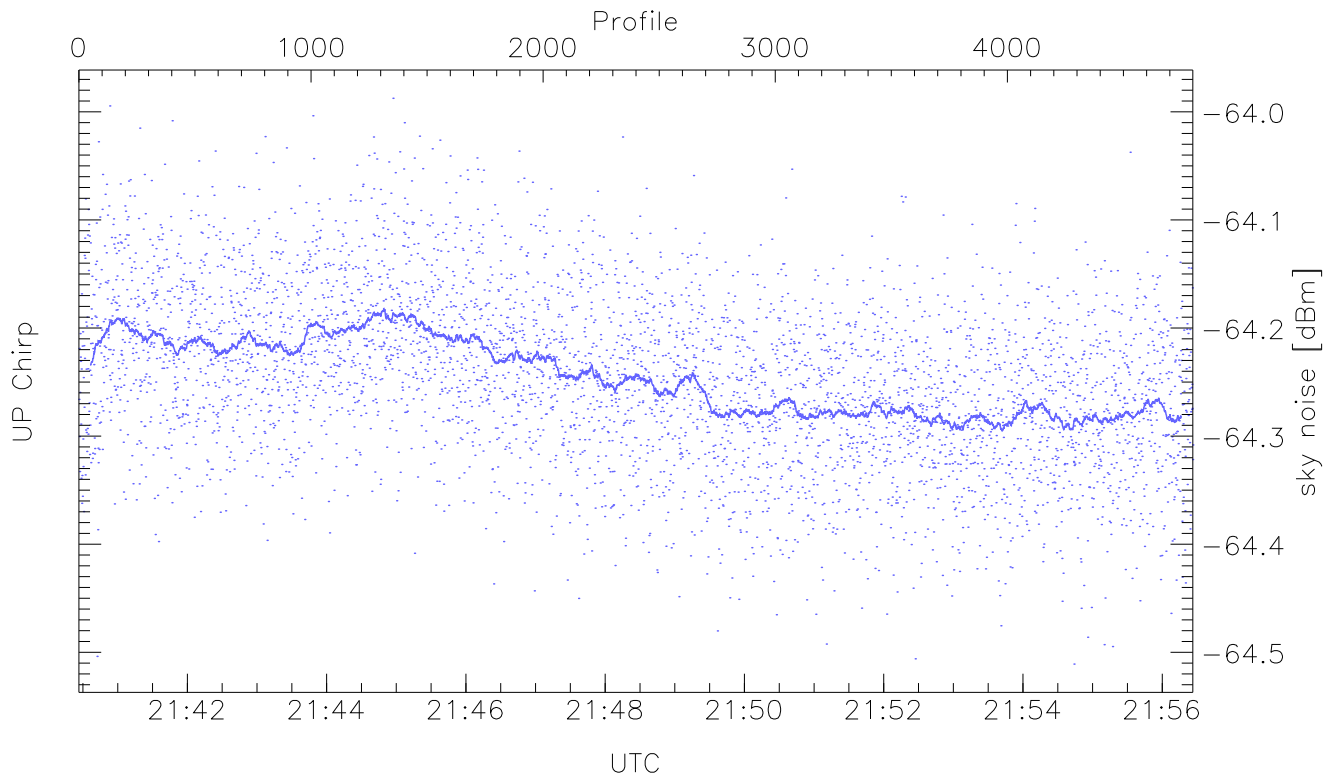


KPR SPP Receiver Gain and Noise Figure



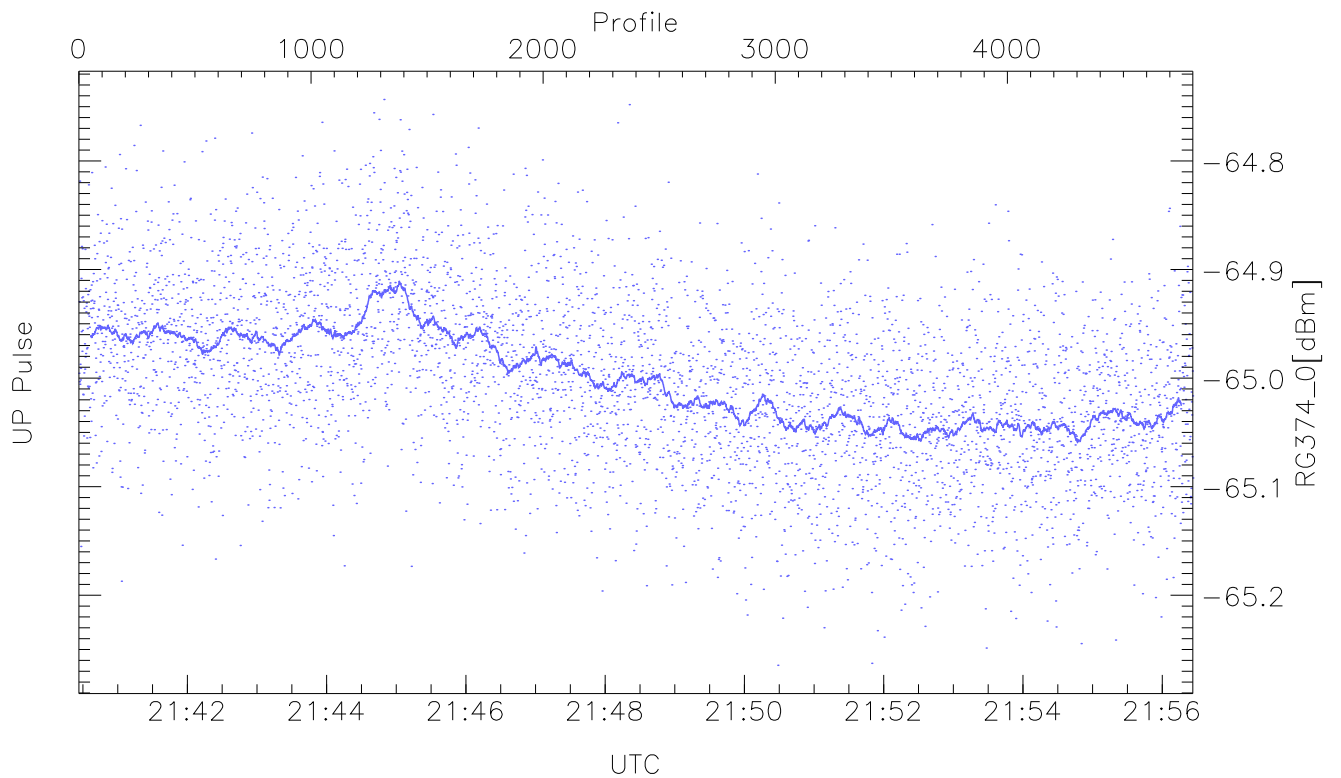
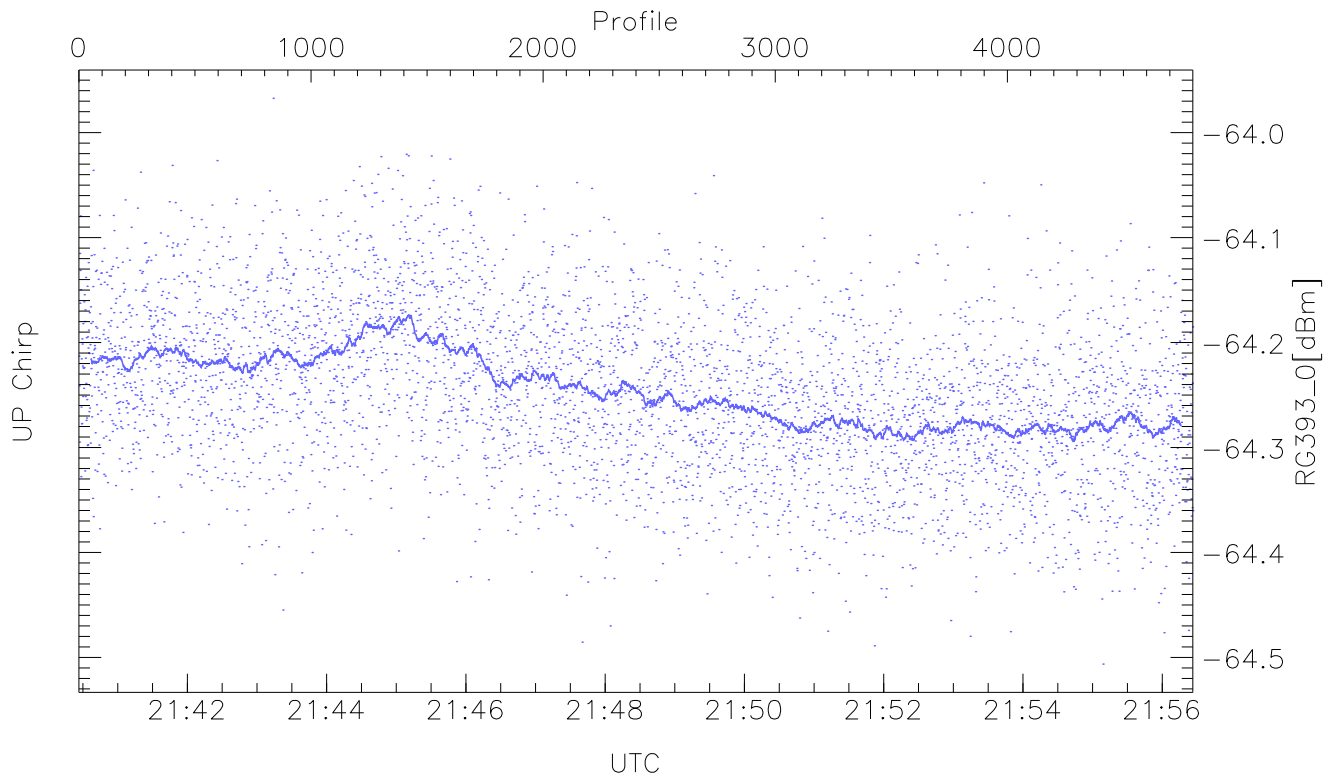
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.74	-62.28	-62.51	-62.52	-80.45
Chirp(HL [dBm])	-58.33	-58.02	-58.18	-58.18	-78.13
Pulse(WL [dBm])	-63.25	-62.75	-62.98	-62.98	-80.90
Pulse(HL [dBm])	-60.03	-59.73	-59.87	-59.87	-79.77



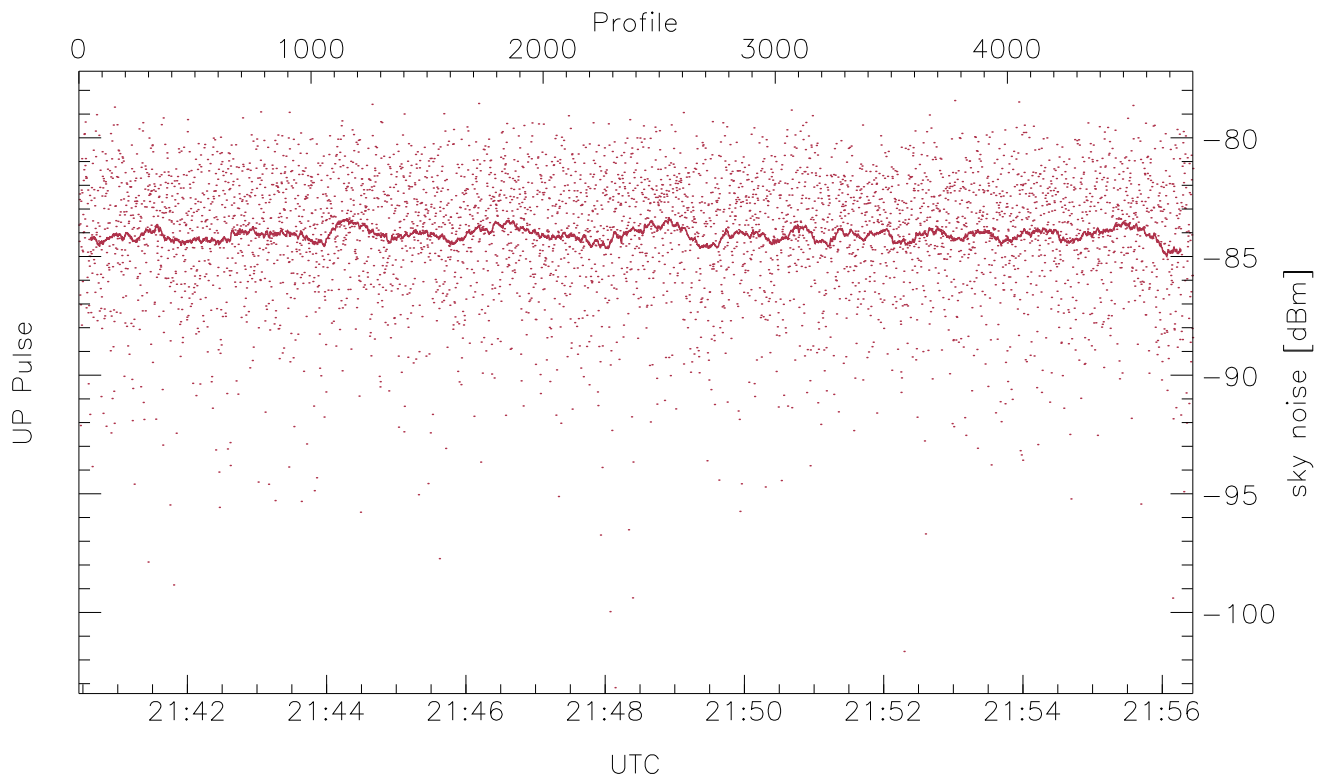
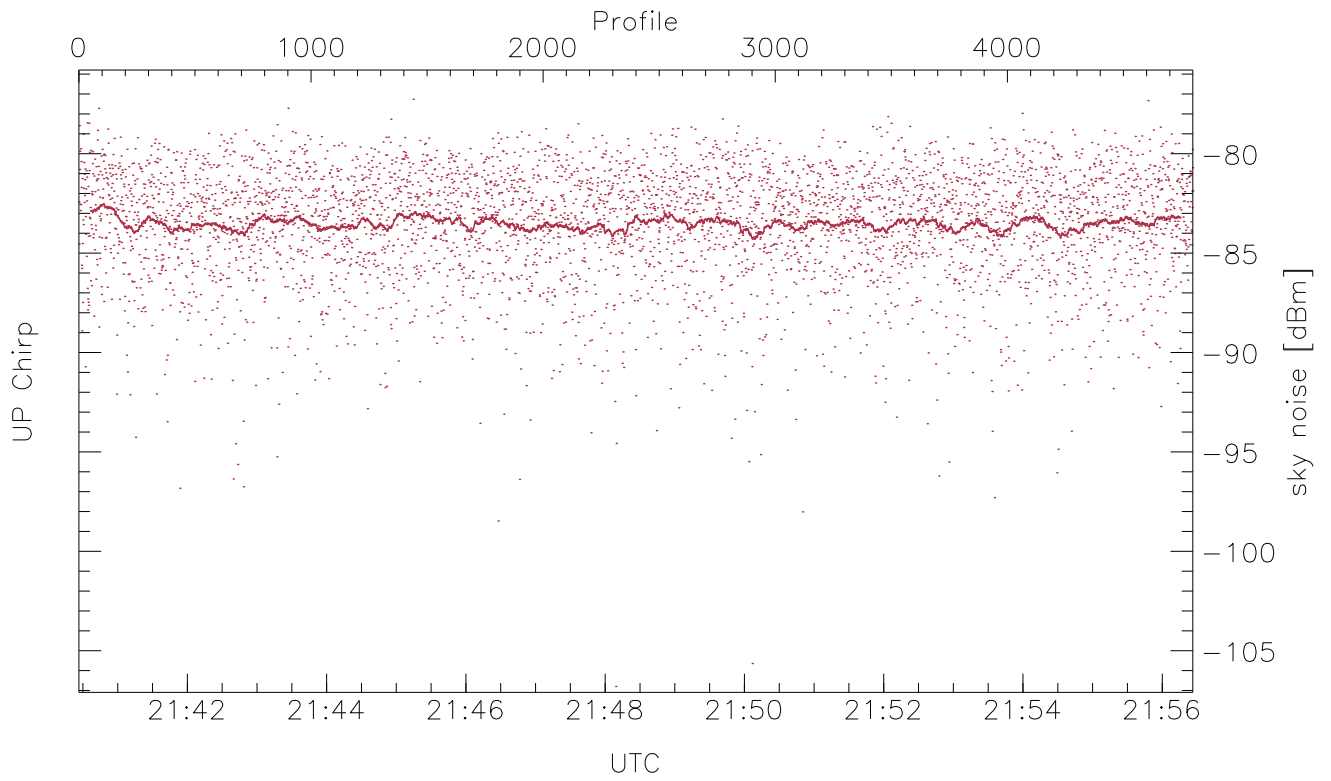
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.51	-63.99	-64.25	-64.25	-81.74
UP Pulse(dBm)	-65.26	-64.69	-65.00	-65.00	-82.45



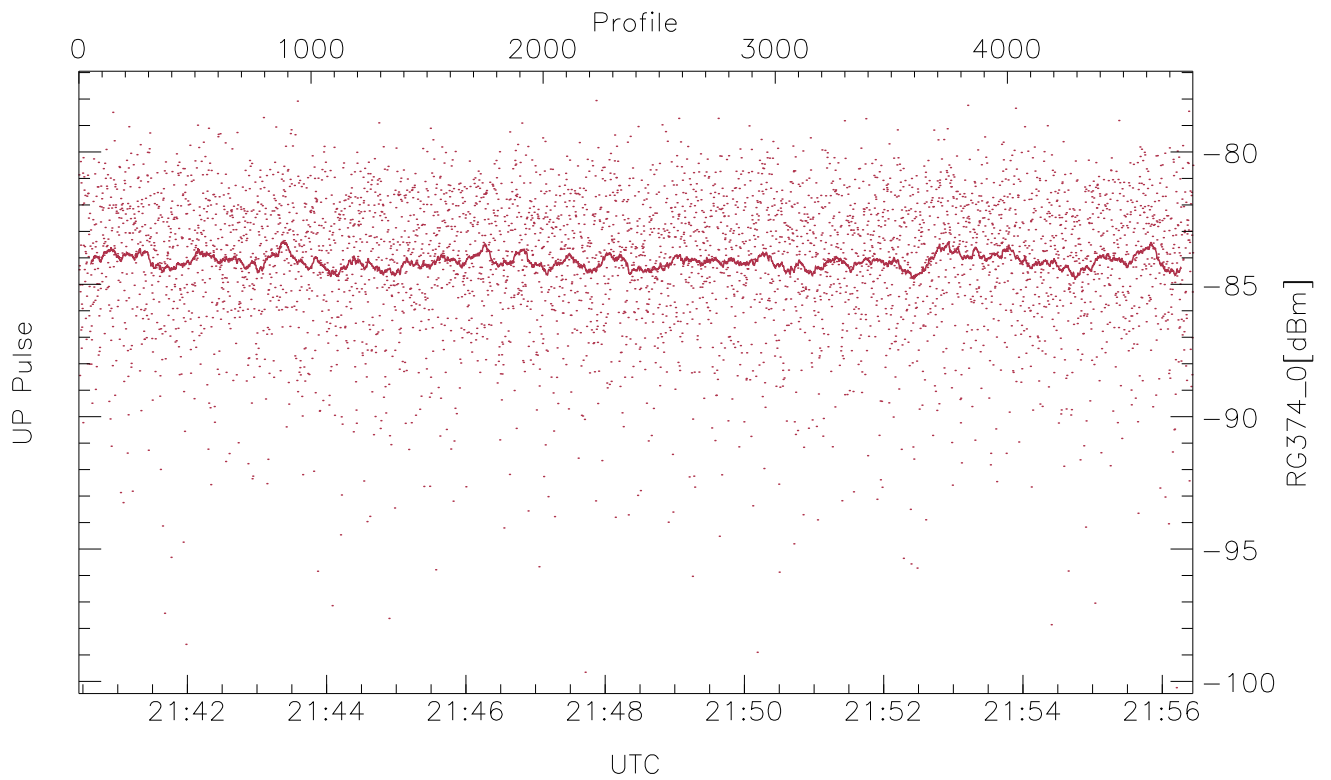
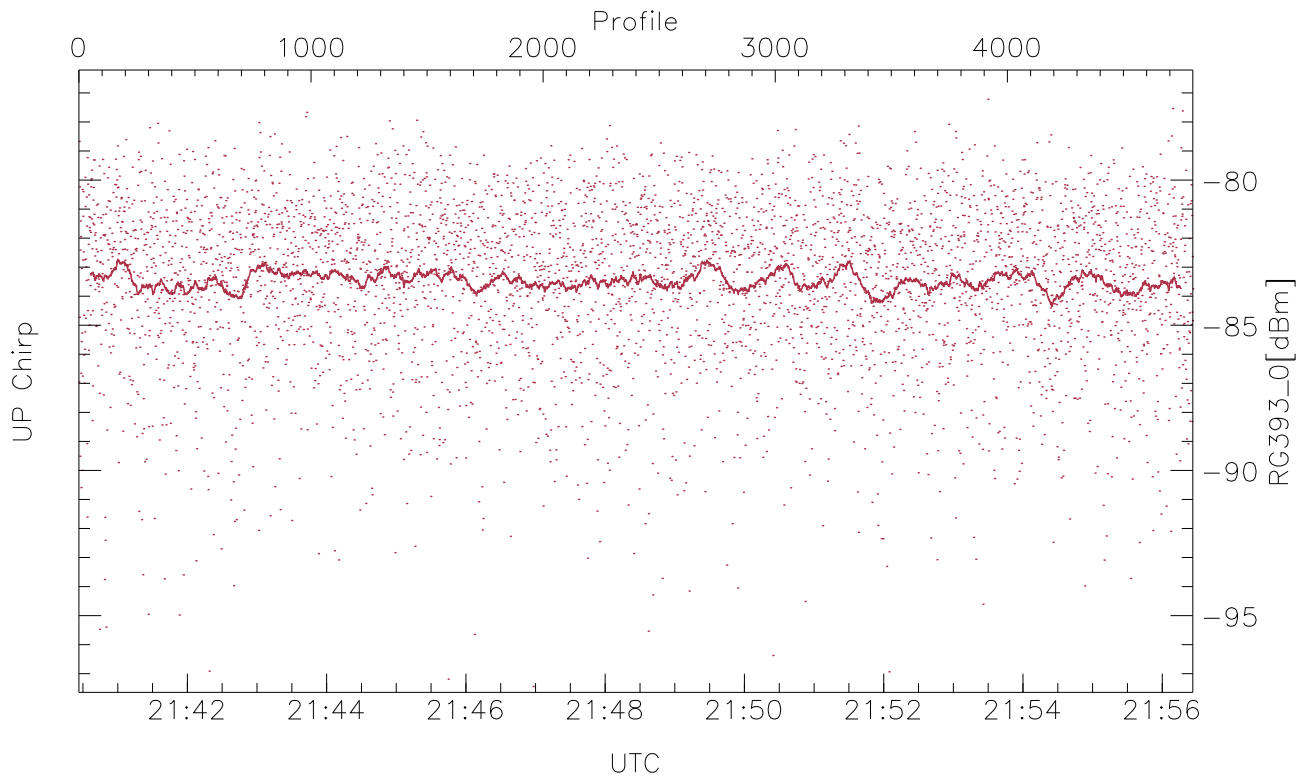
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG393_0	-64.51	-63.97	-64.25	-64.25	-81.80
UP_P_RG374_0	-65.26	-64.74	-65.00	-65.00	-82.37



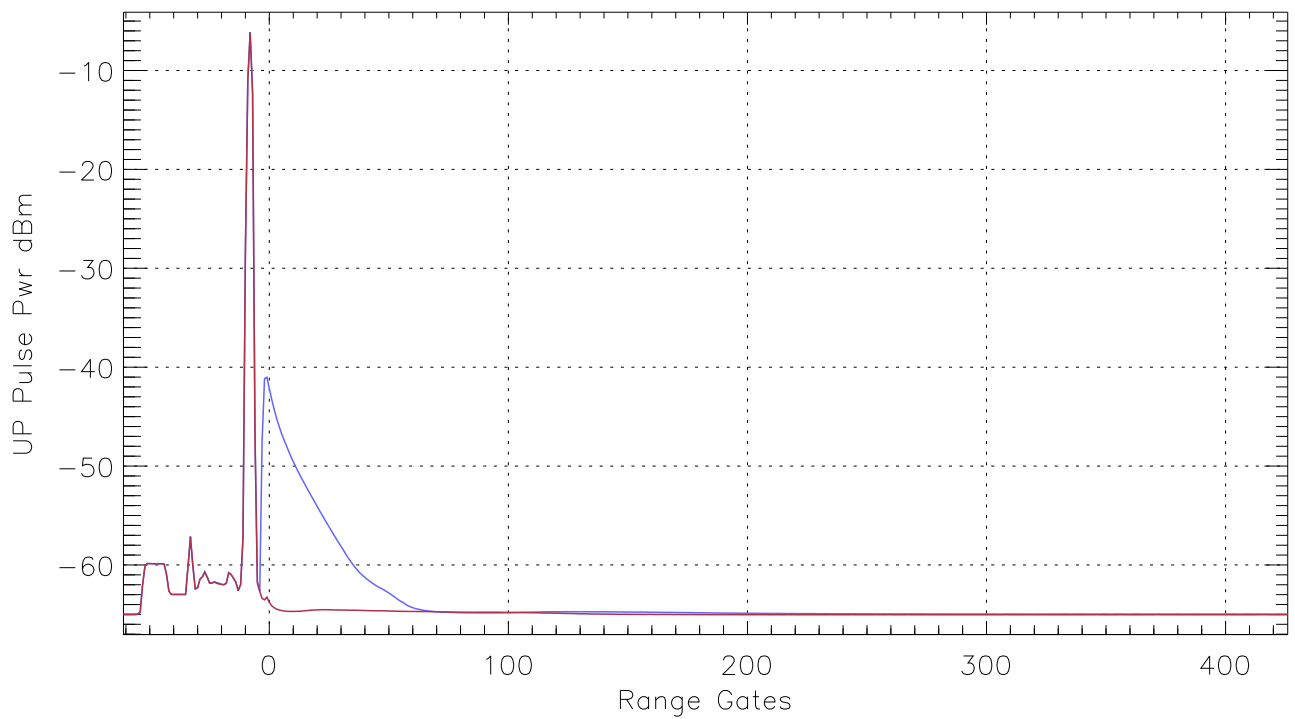
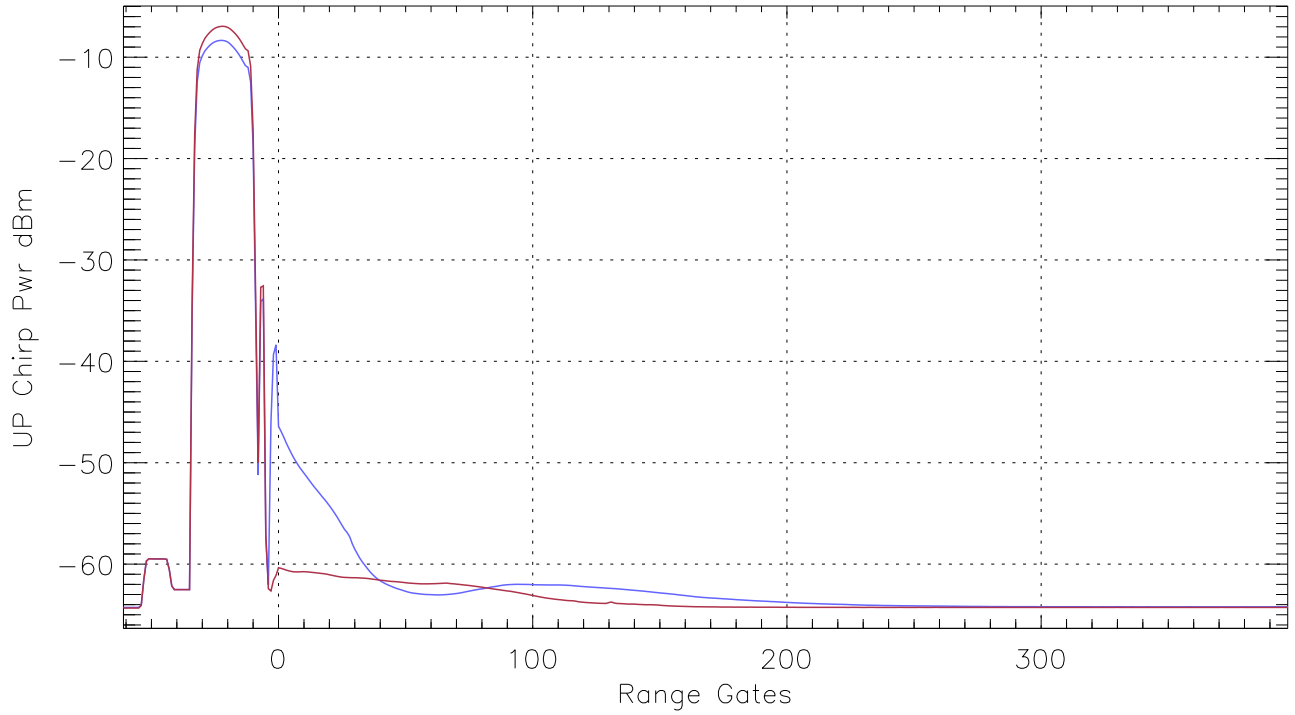
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-106.80	-77.27	-82.79	-83.05	-85.62
UP Pulse(dBm)	-103.17	-78.43	-83.38	-83.66	-86.21

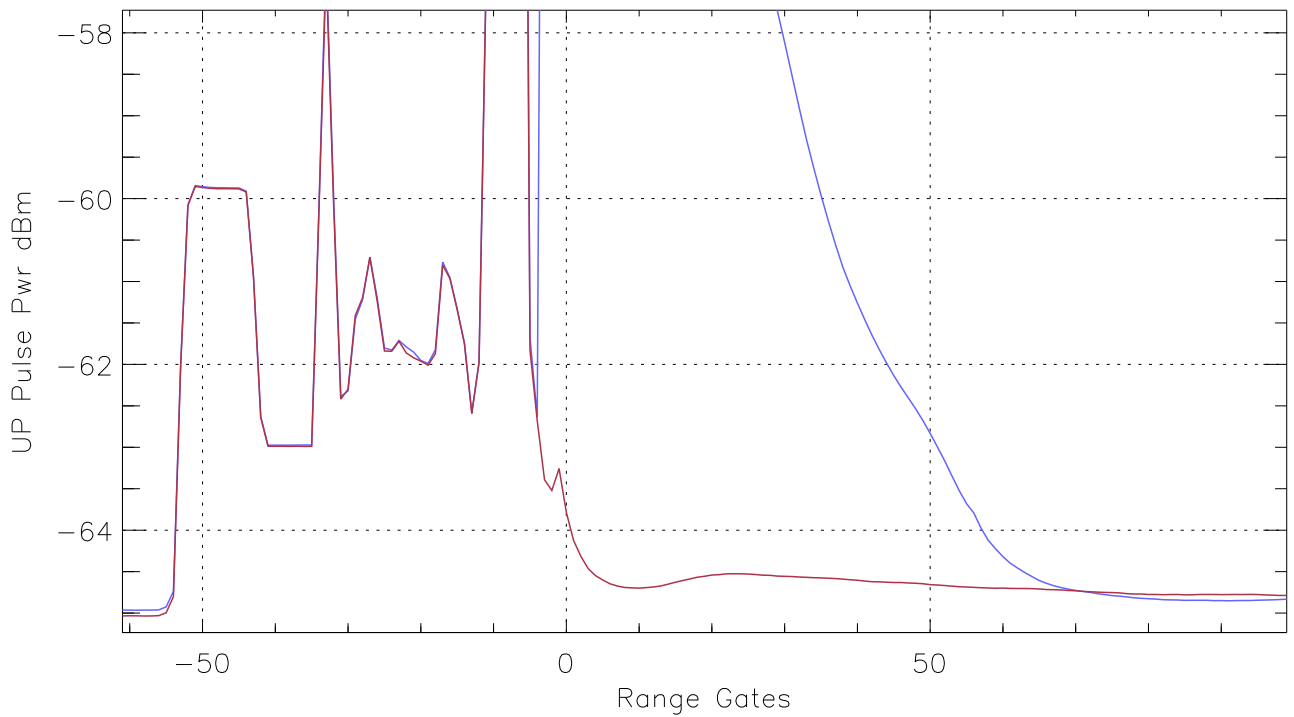
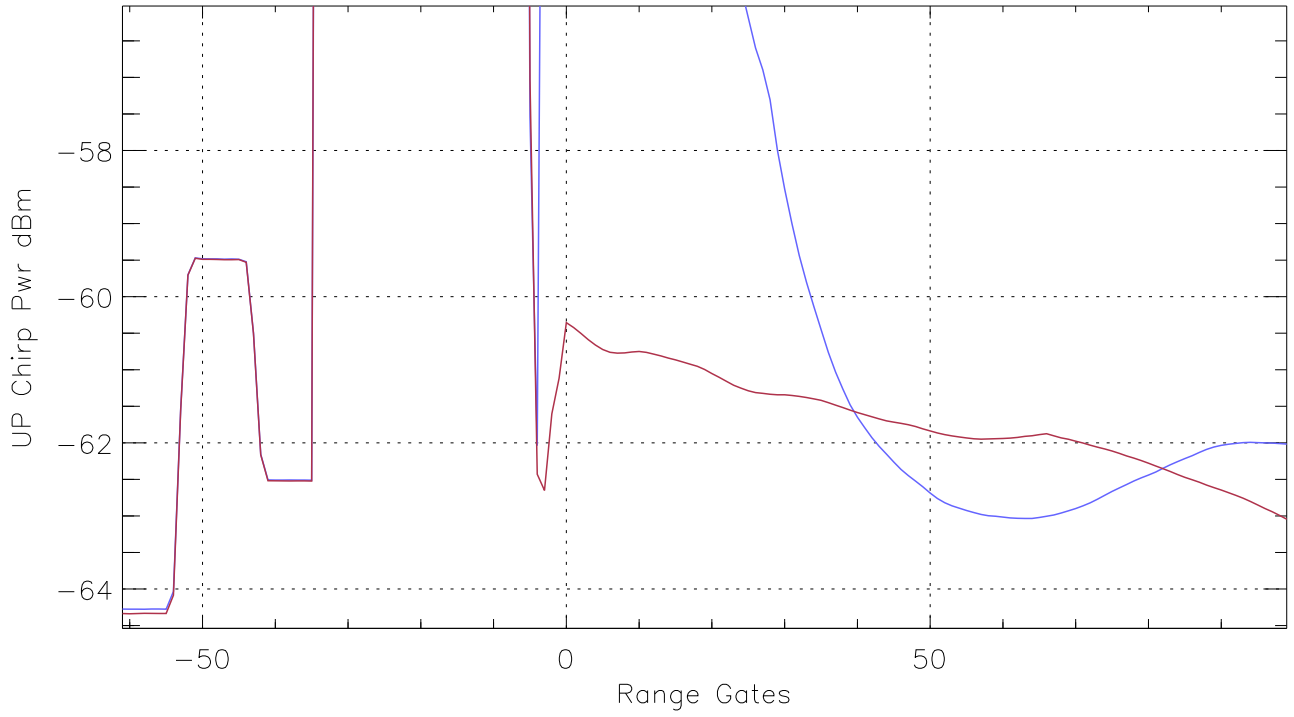


KPR SPP "Best" PPMAG noise (dBm):

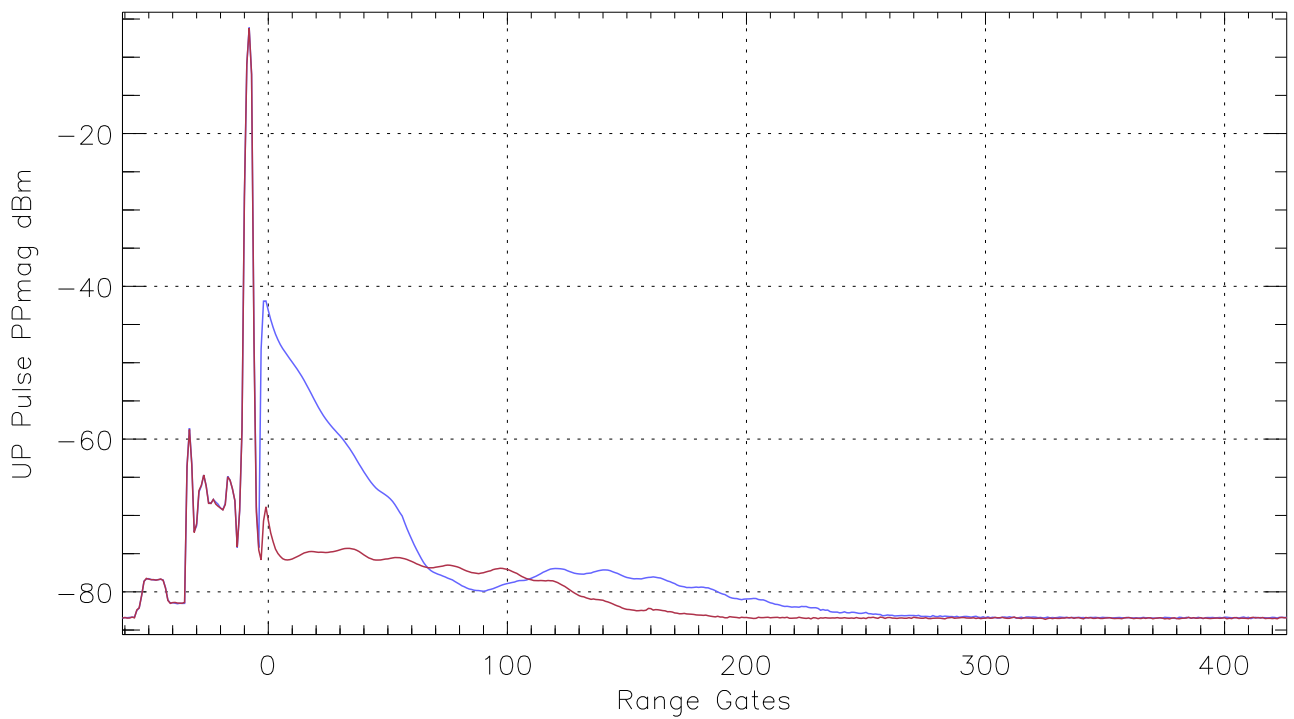
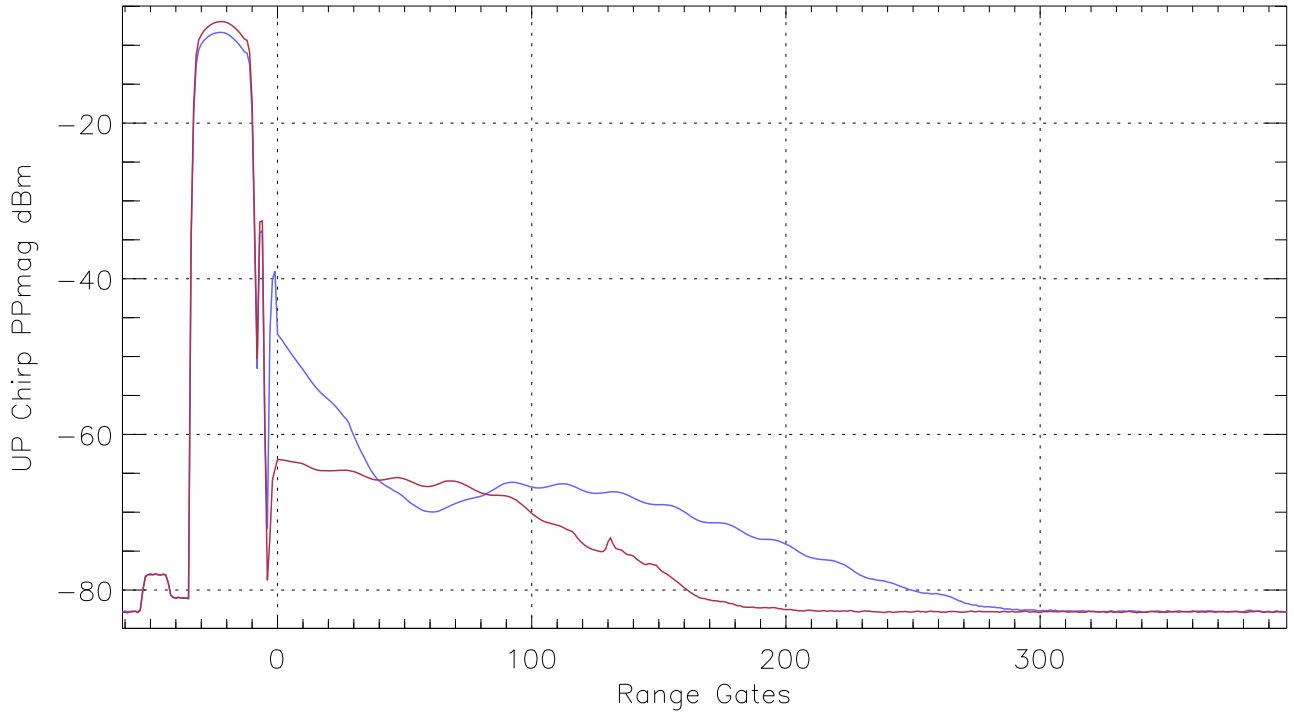
	Min	Max	Mean	Median	StDev
UP_C_RG393_0	-97.44	-77.22	-82.73	-83.00	-85.45
UP_P_RG374_0	-100.24	-78.06	-83.44	-83.71	-86.28



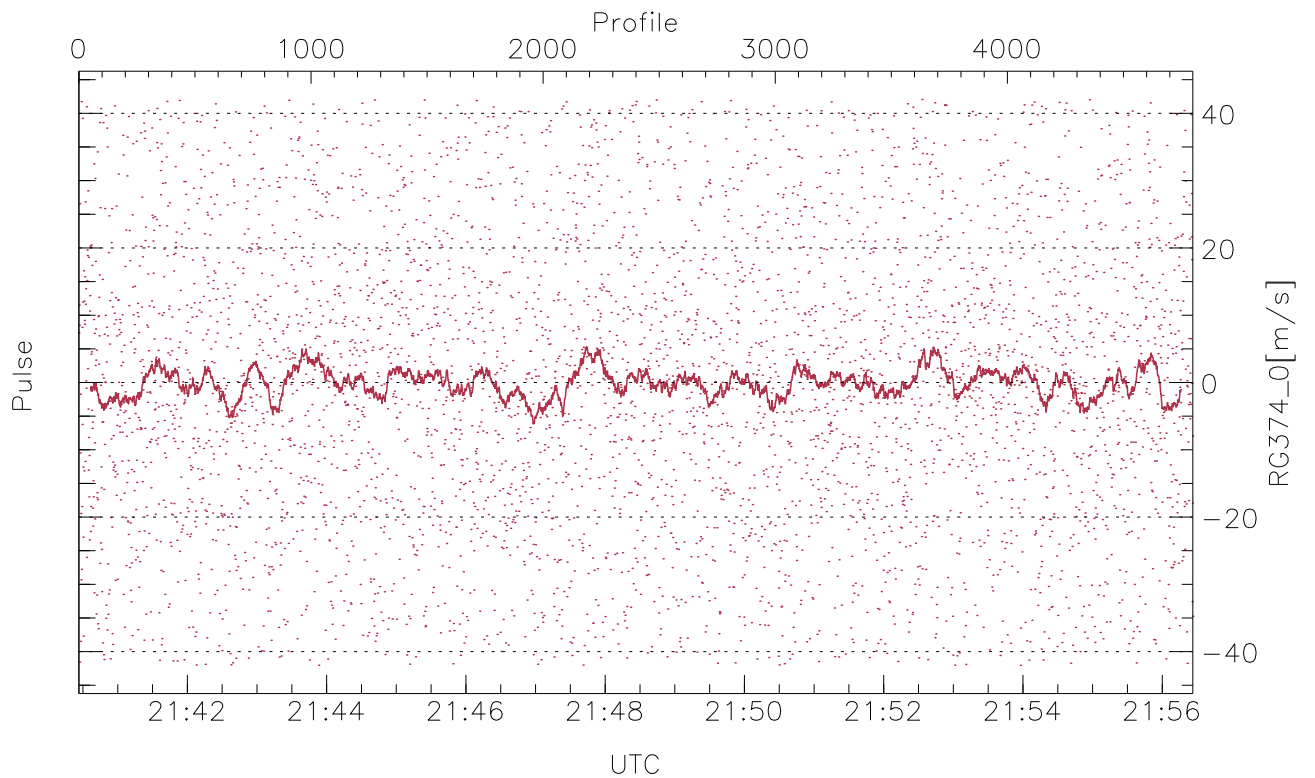
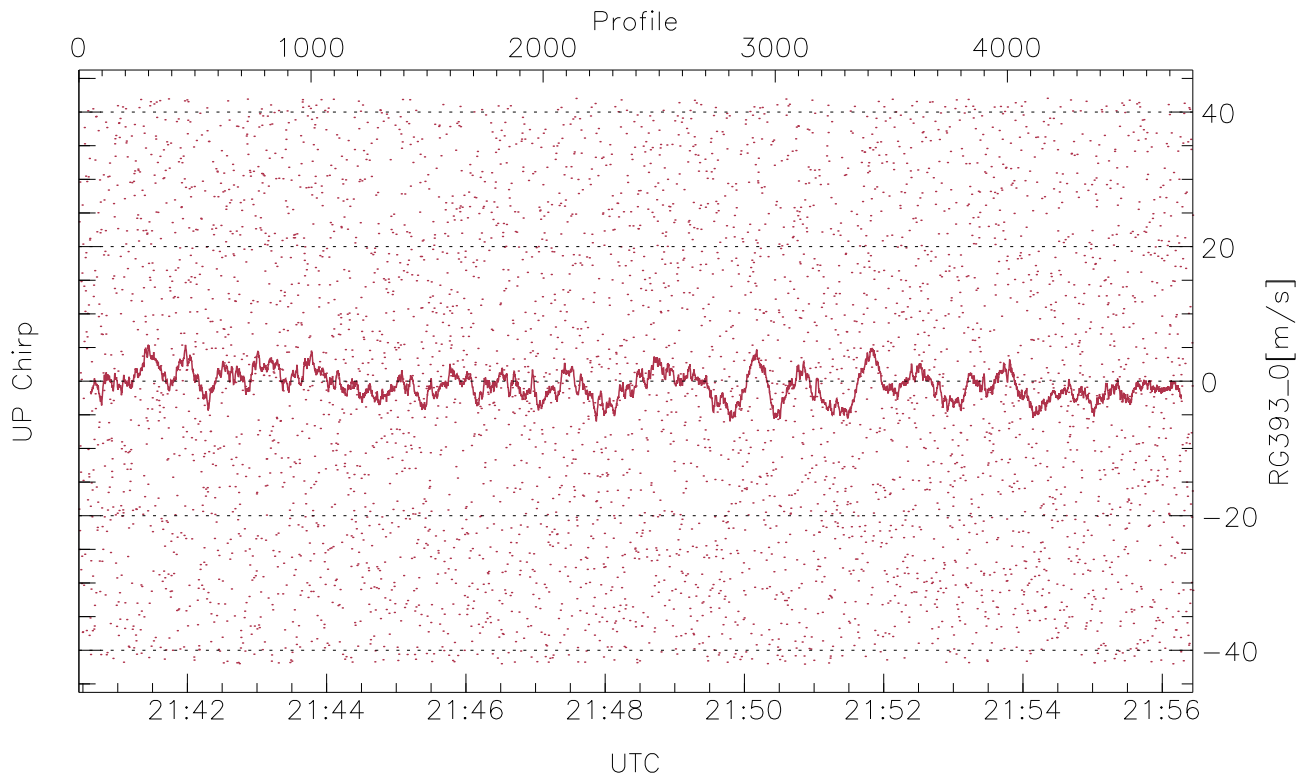
KPR SPP Averaged Received power for all recorded gates
blue: 214027-214826, 2401 profiles averaged
red: 214826-215626, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 214027-214826, 2401 profiles averaged
red: 214826-215626, 2400 profiles averaged

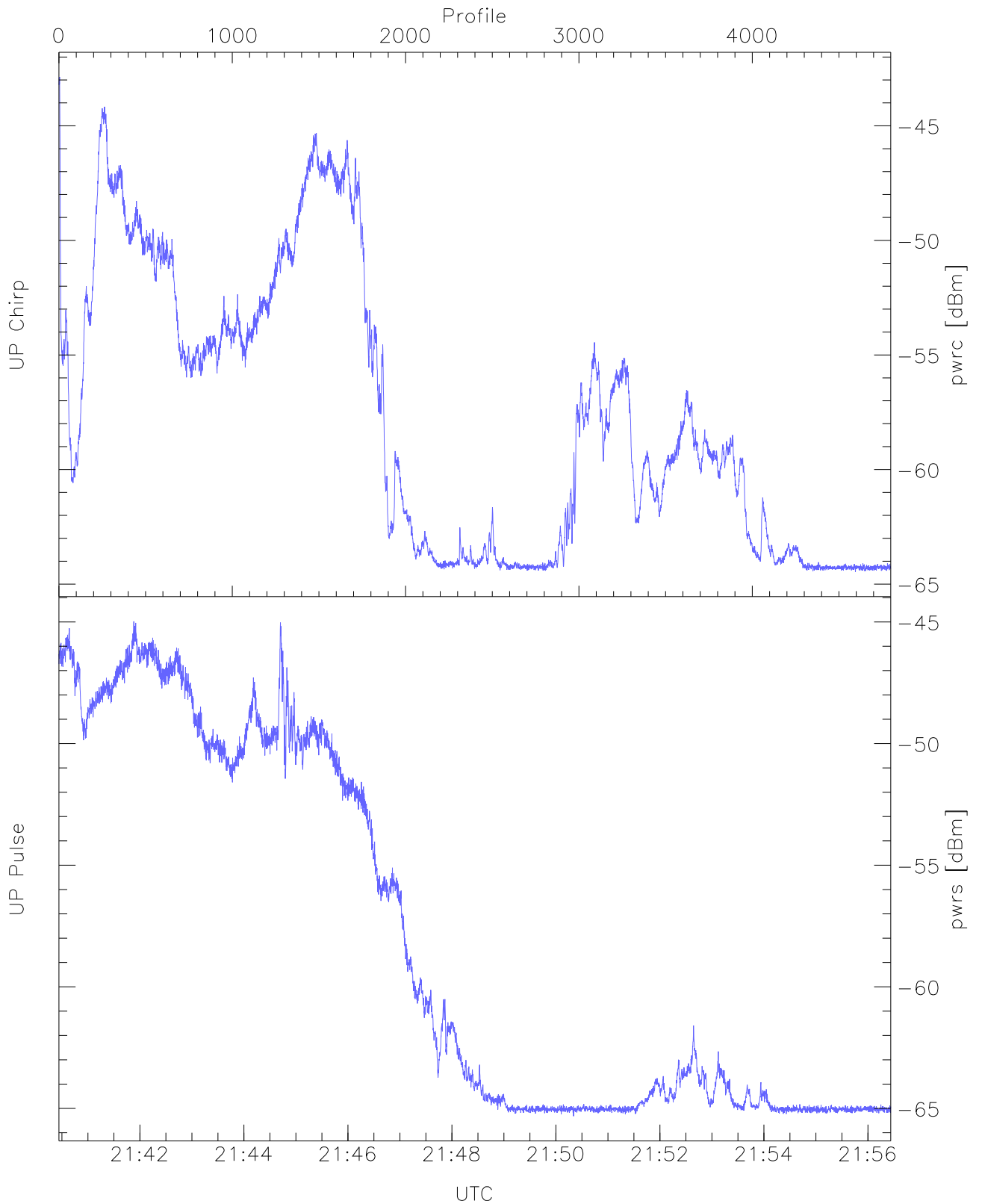


KPR SPP Averaged PP magnitude for all recorded gates
blue: 214027-214826, 2401 profiles averaged
red: 214826-215626, 2400 profiles averaged



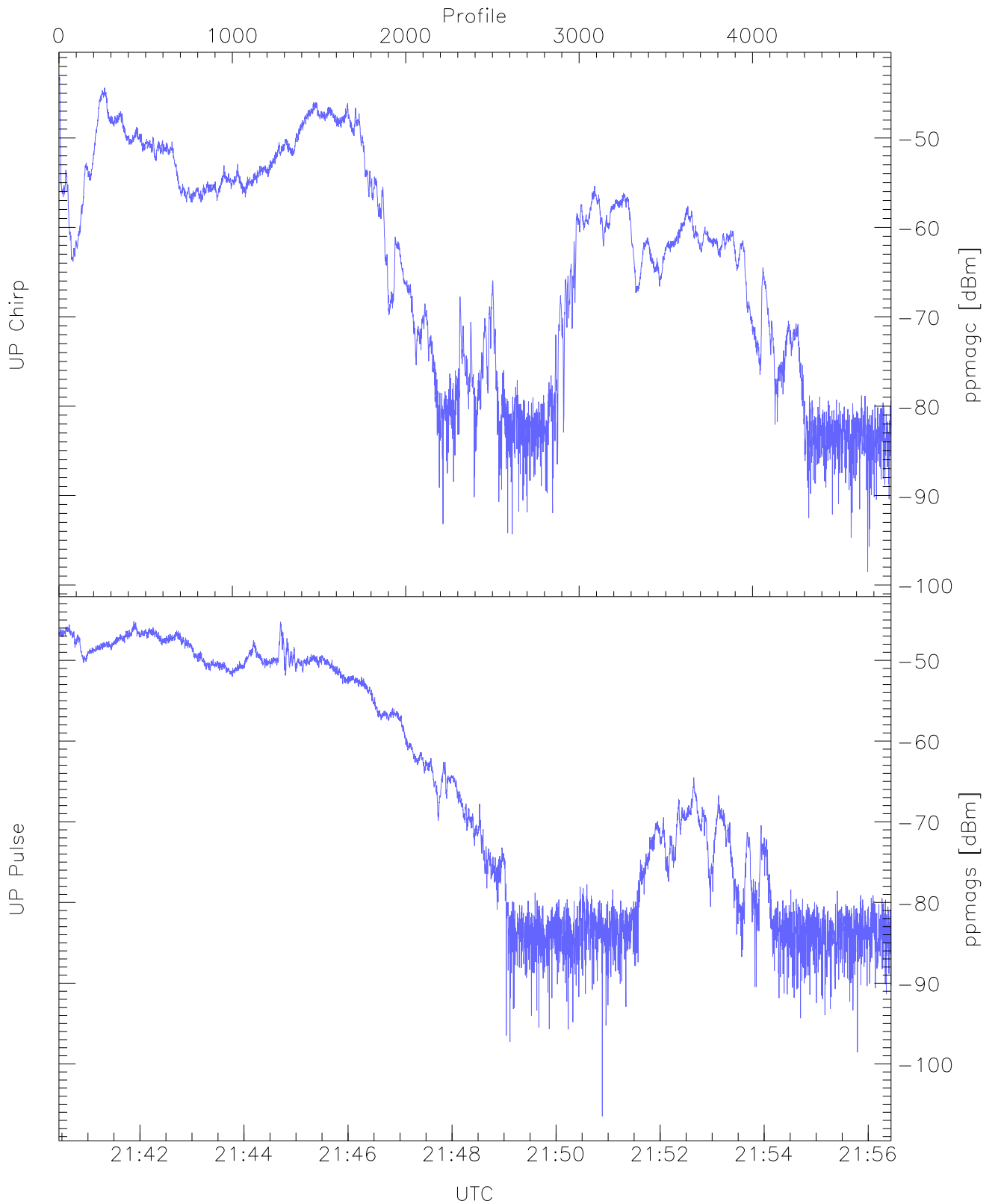
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG393_0	-42.05	42.04	-0.68	-0.85	24.40
UP_P_RG374_0	-42.03	42.06	-0.17	-0.34	20.94



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

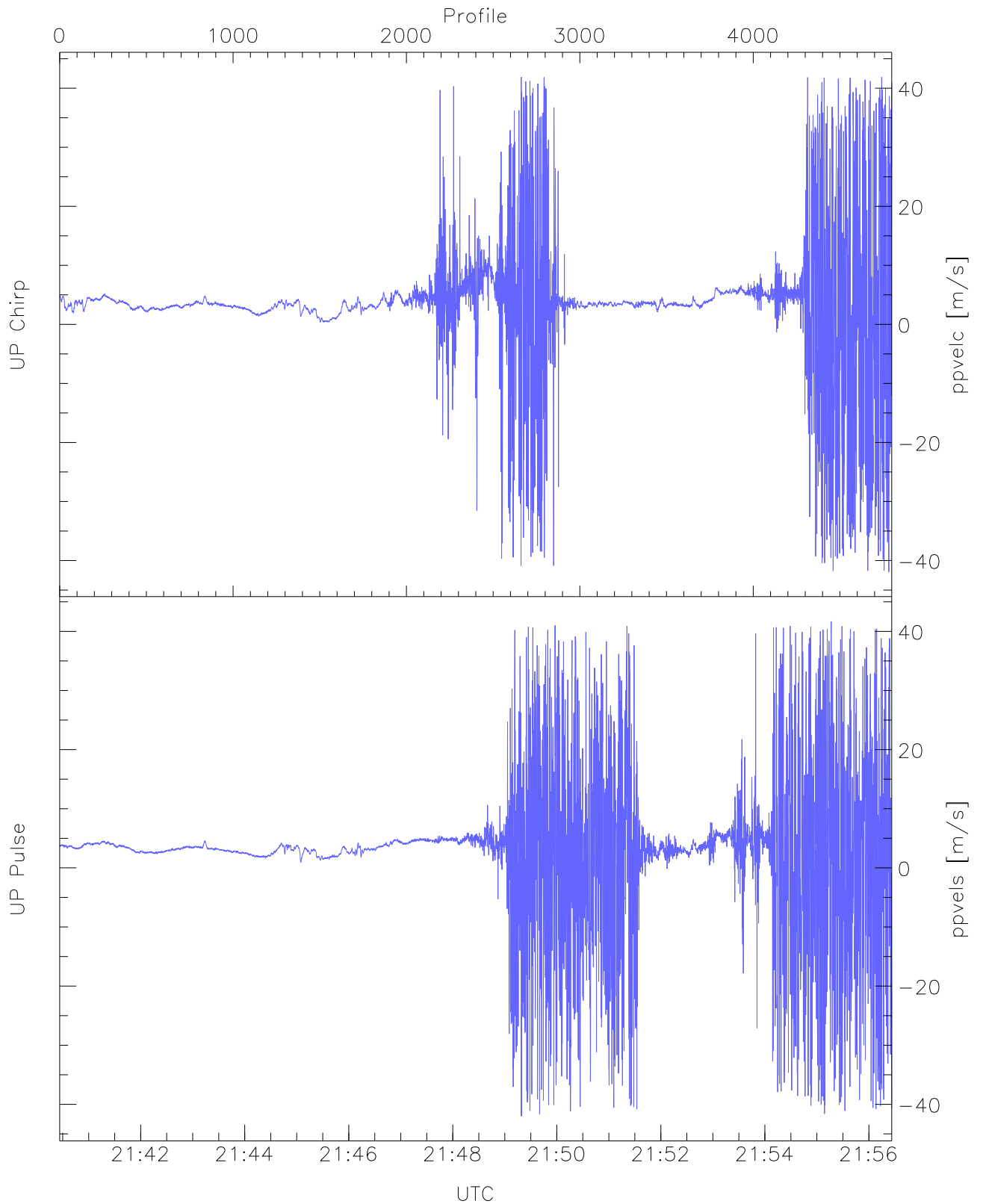
	Min	Max	Mean
UP Chirp(dBm)	-64.47	-42.87	-53.60
UP Pulse(dBm)	-65.32	-44.98	-52.43



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

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

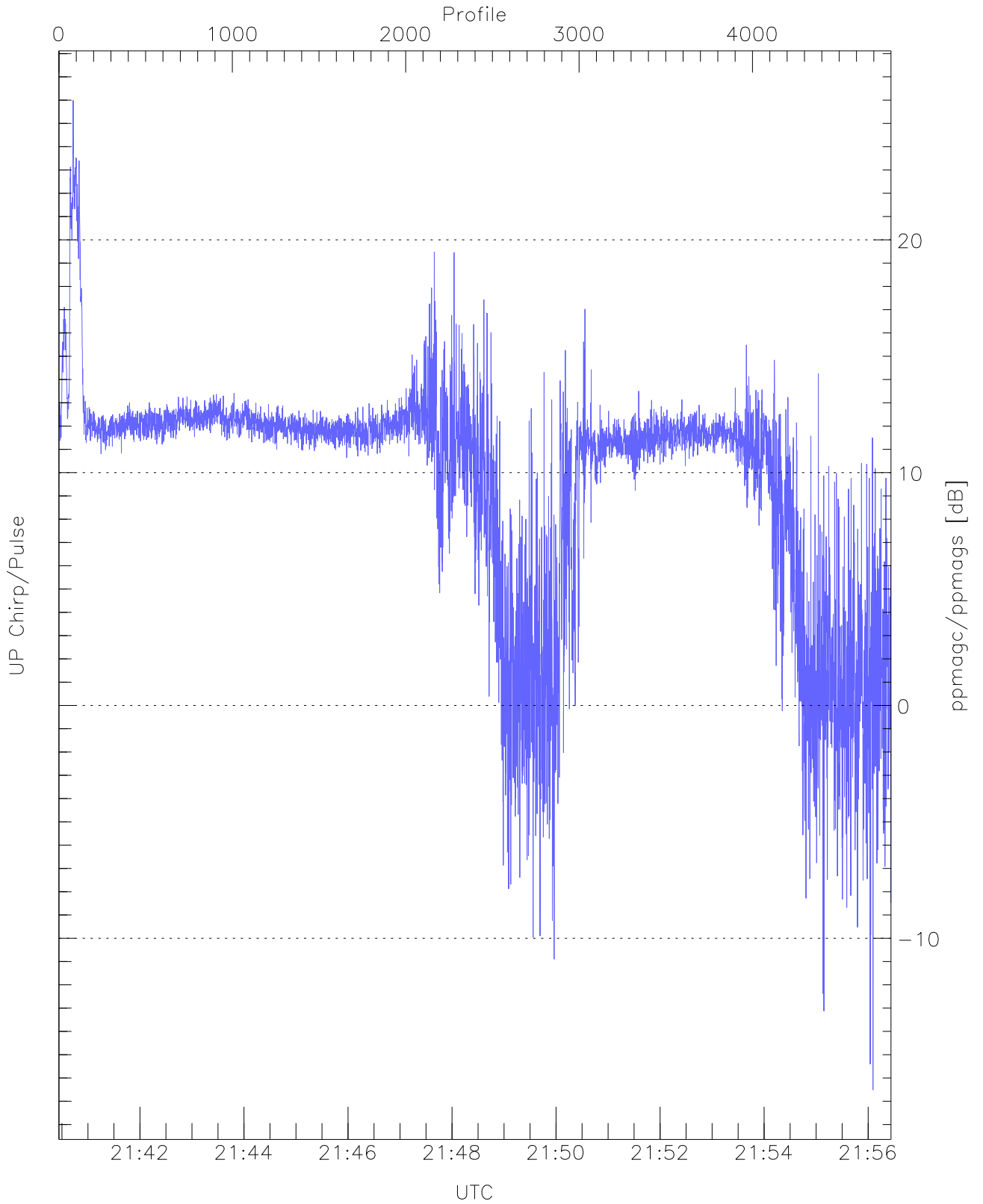
	Min	Max	Mean
UP Chirp(dBm)	-98.54	-43.18	-54.42
UP Pulse(dBm)	-106.48	-45.17	-52.93



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)	-41.92	41.90	3.39
UP Pulse(m/s)	-42.01	41.69	2.66



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-16.52	25.99	11.63