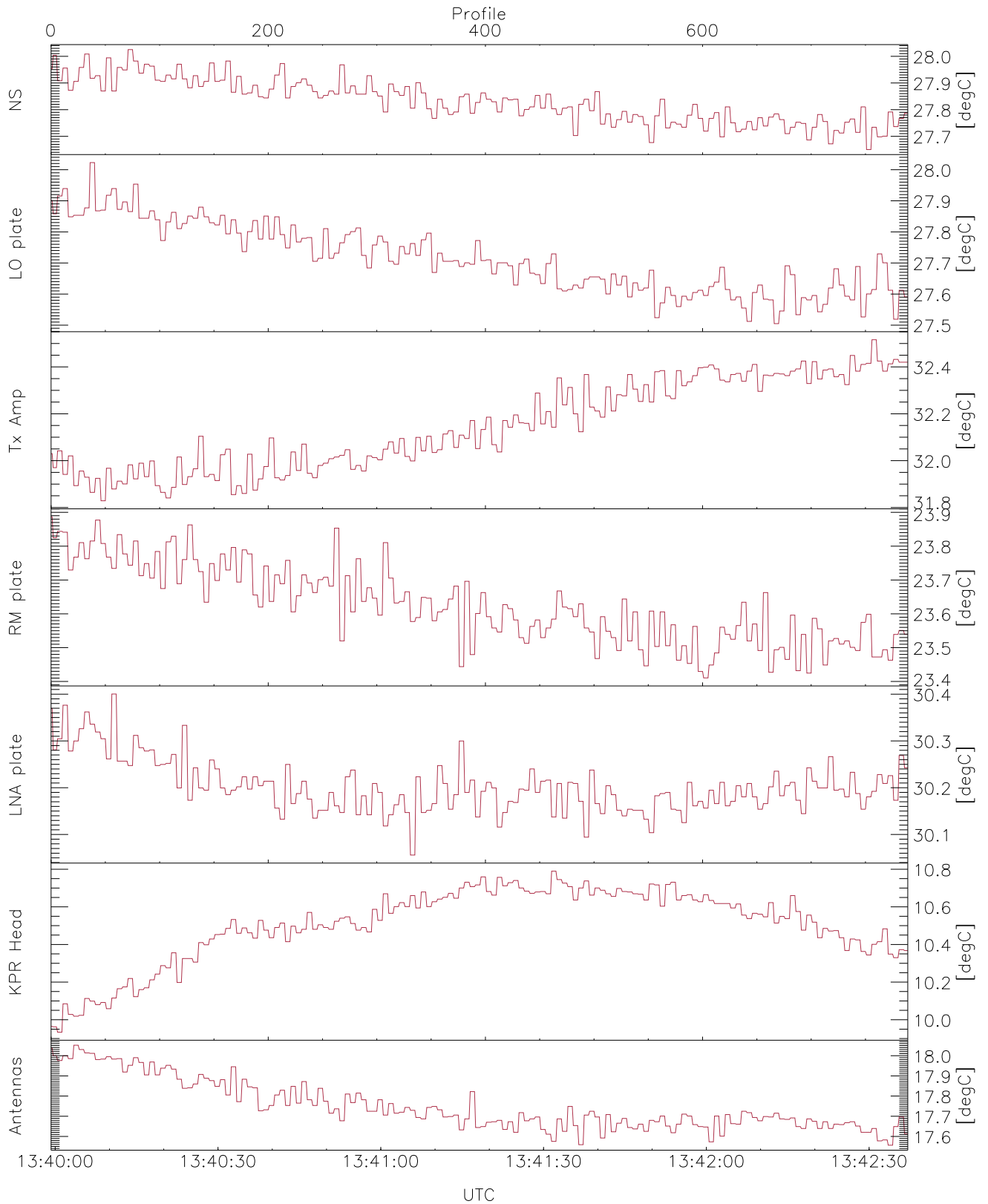


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF  
 UTC: 13:39:59-13:42:37, TimeCor: 0.00s, Dur: 157.90s  
 TimeInt(min,max,mn,std): 200.0,200.2,200.1,0.0 ms; PPS: 5.0  
 NumRec(r/t): 790/790, 0-789/13:39:59-13:42:37  
 AcqTime(req,actual): 200.1,200.0 ms, Data Rate: 97.3 KB/s  
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 MHz  
 PRF: 19.0 KHz, avrgPulses: 1906, avrgPP: 953  
 NyquistVel: 40.1 m/s, RangeRes:60.0 m  
 Pulse Range(min,max): 166, 6492 m, Gates: 212  
 Chirp Range(min,max): 1008, 6464 m, Gates: 183  
 RangeGateSampling: 30.0 m, Aspect: 1.7

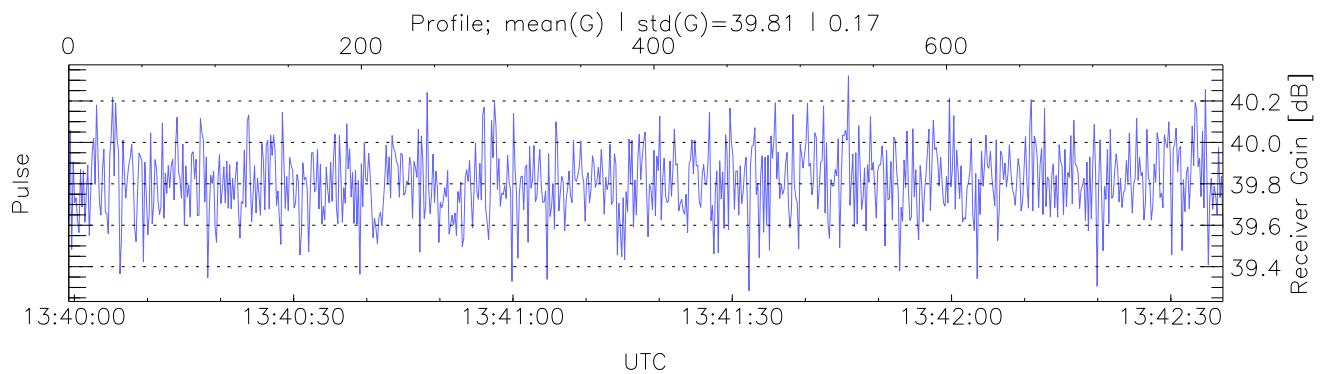
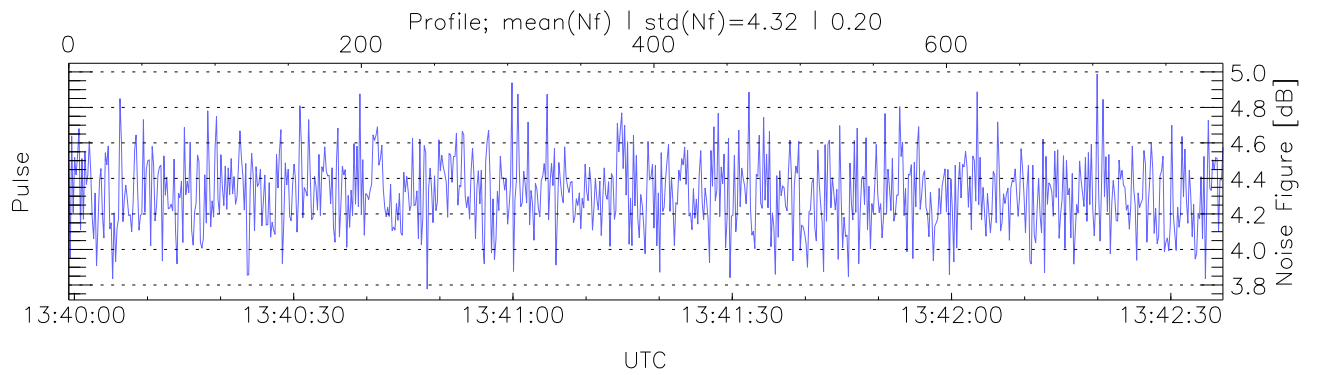
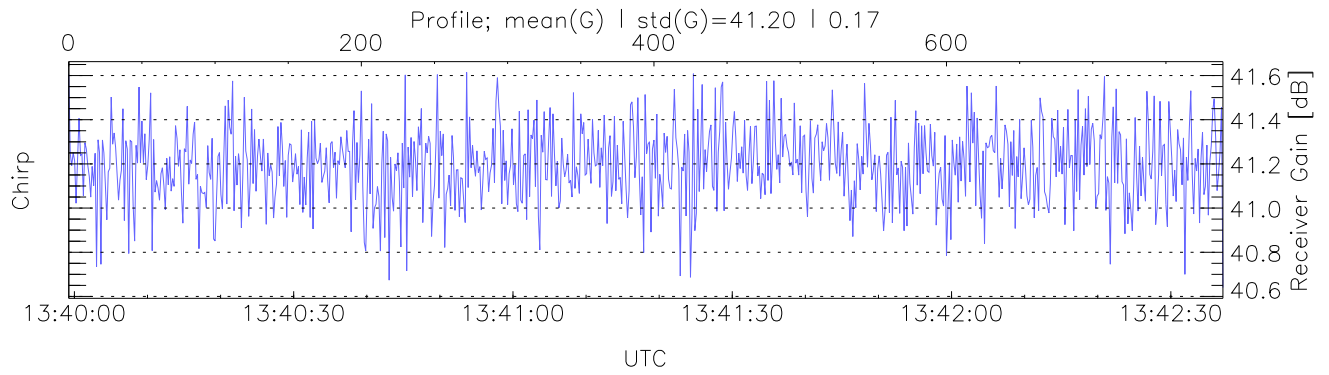
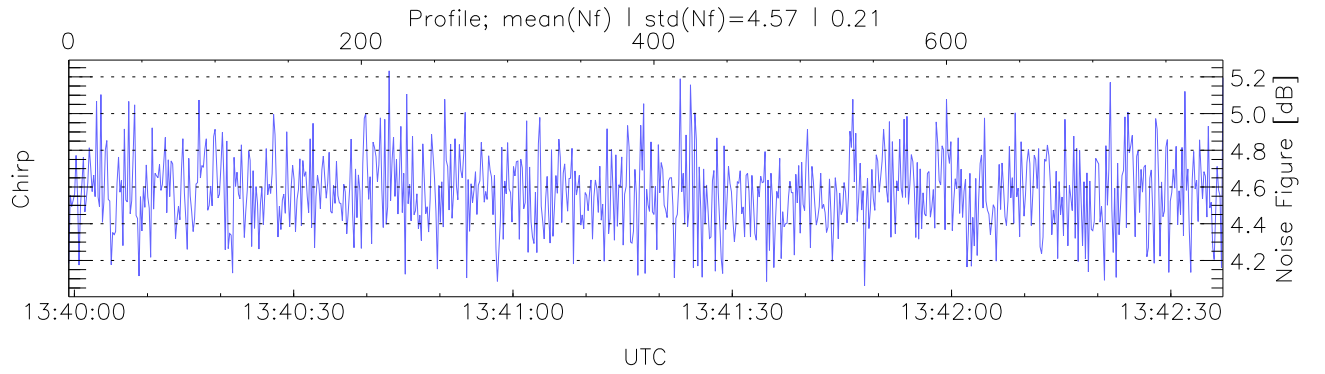


KPR SPP Temperatures, Power Supplies, PLO lock:

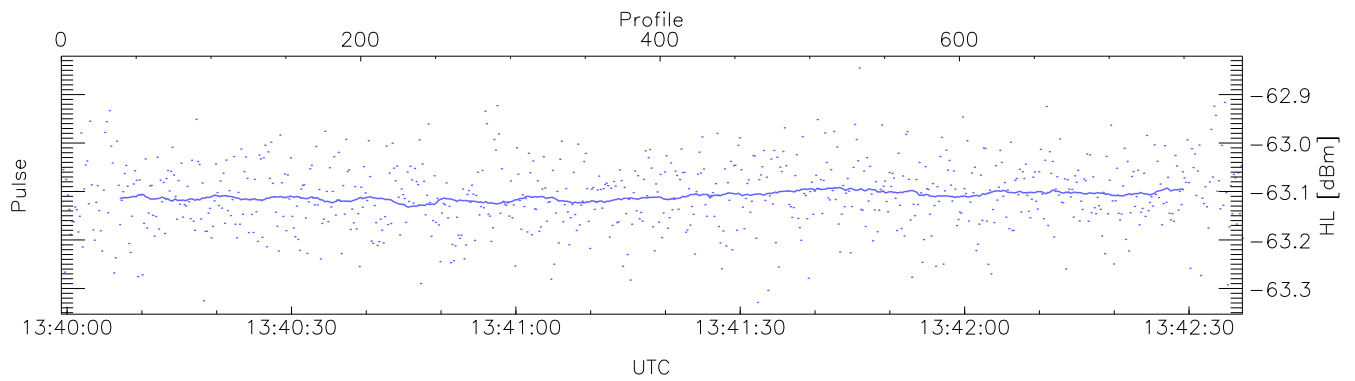
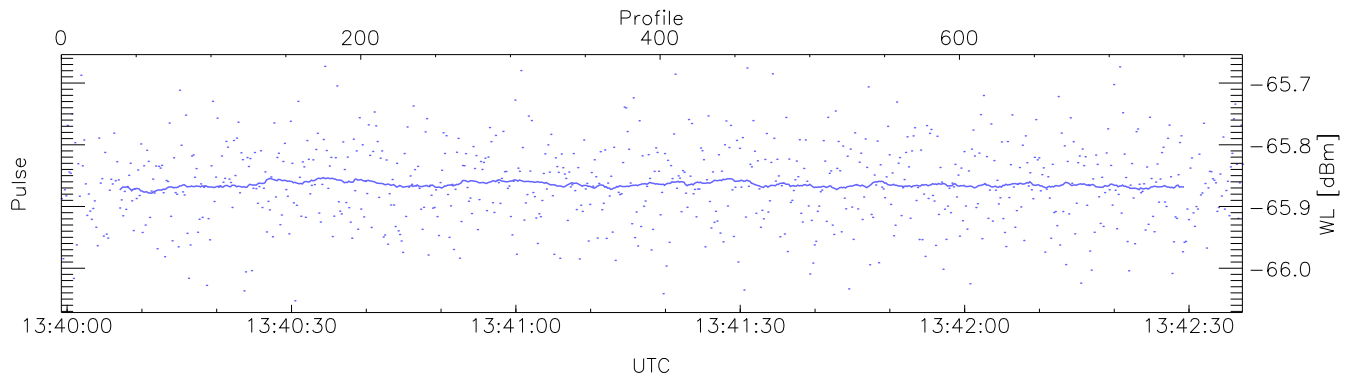
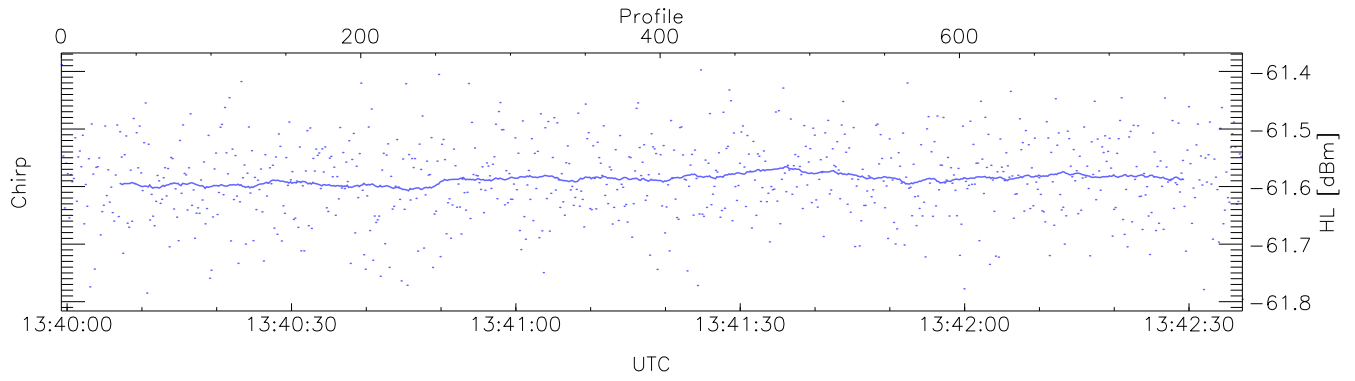
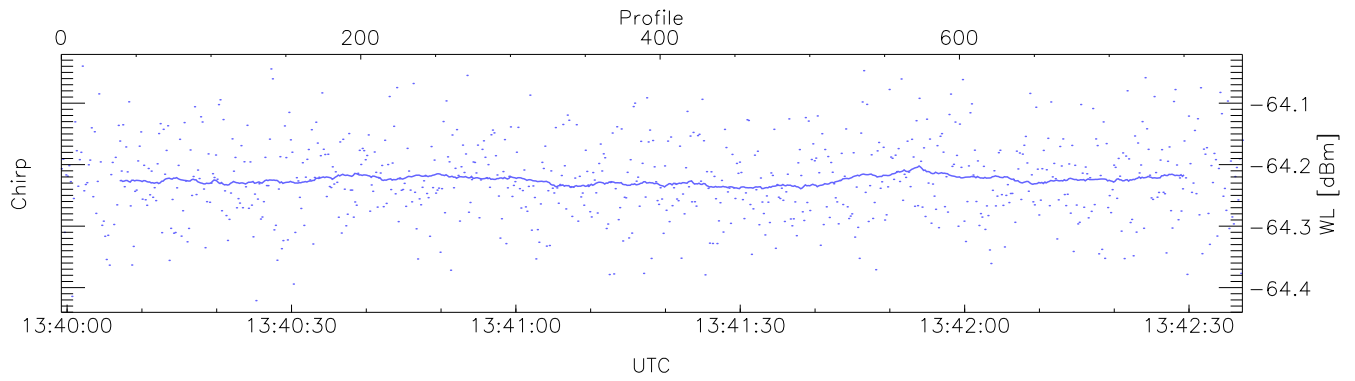
mintempC: 27.7, 27.5, 31.8, 23.4, 30.1, 9.9, 17.6  
 maxtempC: 28.0, 28.0, 32.5, 23.9, 30.4, 10.8, 18.1

minVDC: 26.35, 11.69, 7.84, 5.21  
 maxVDC: 27.52, 11.78, 7.87, 5.23

PLO(3.84,15.84 GHz) unlocked: None

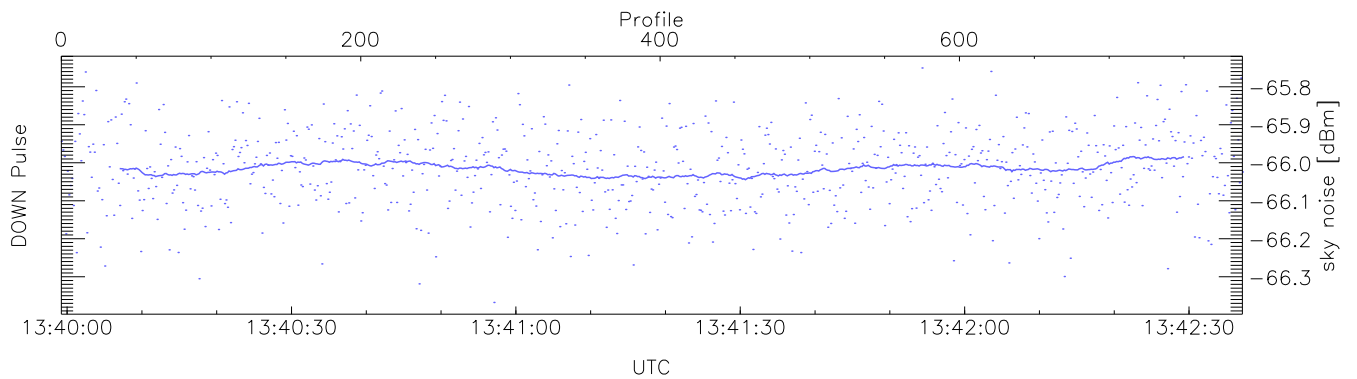
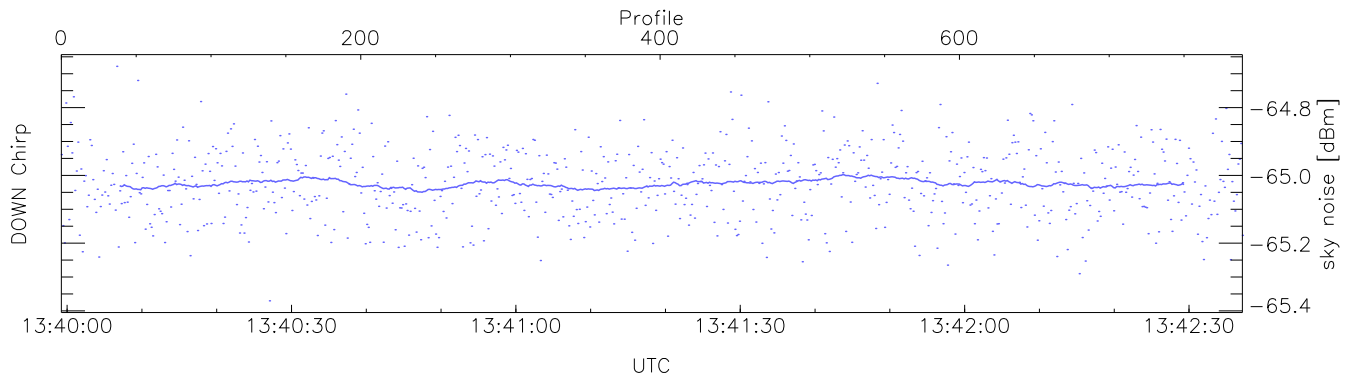
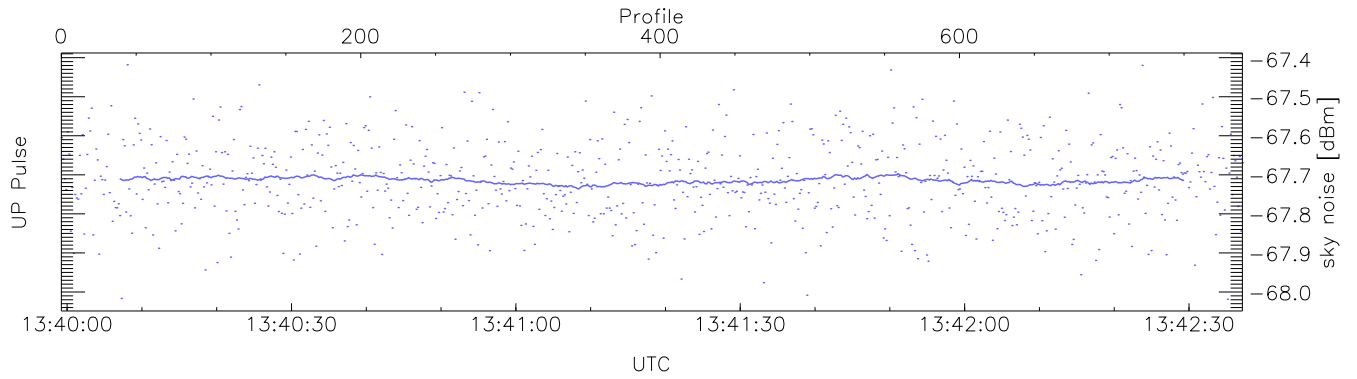
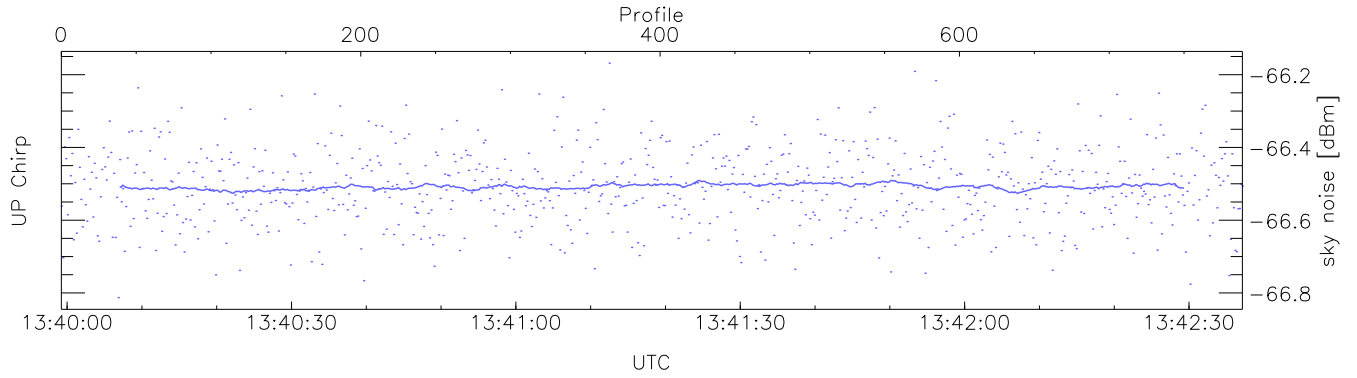


KPR SPP Receiver Gain and Noise Figure



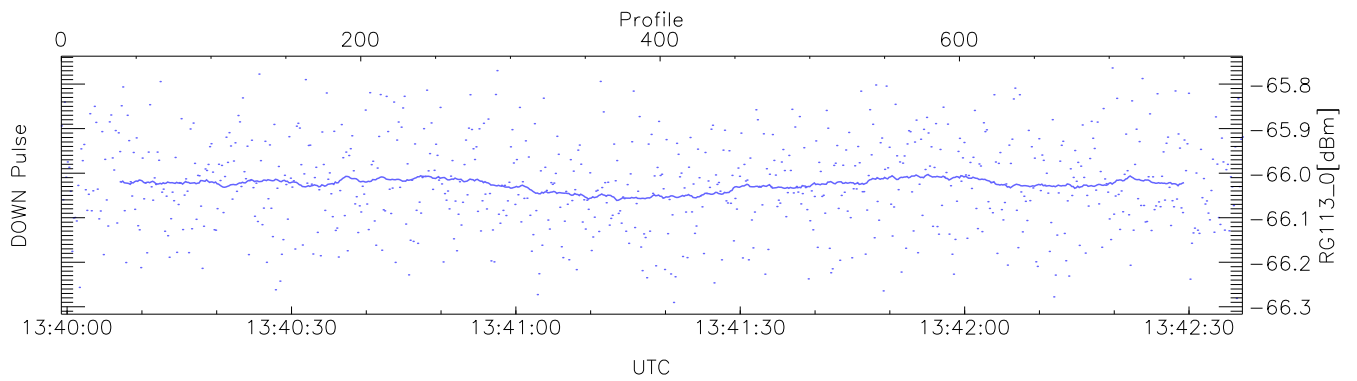
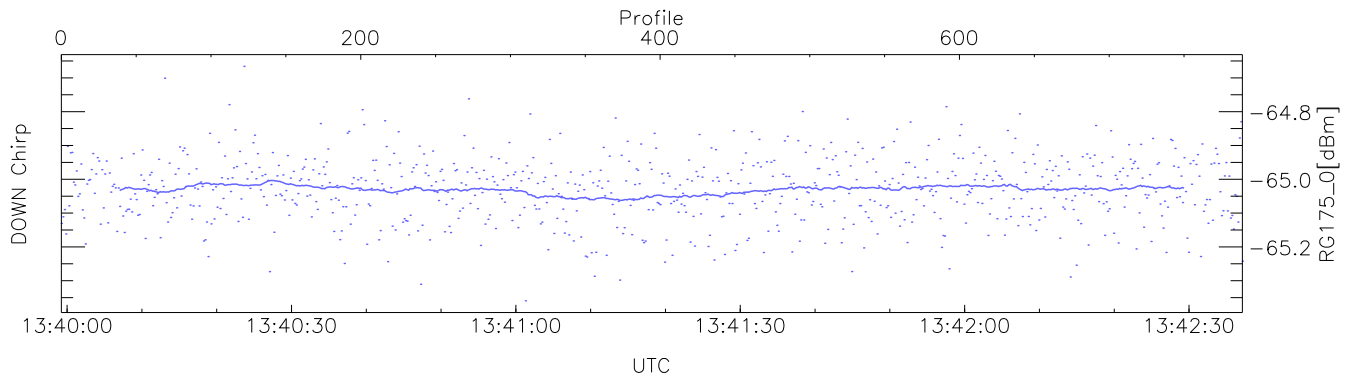
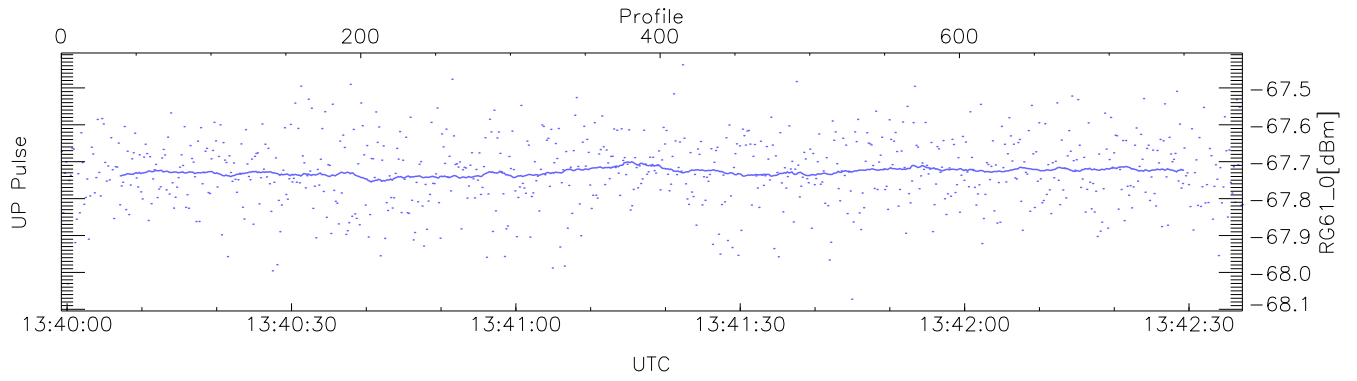
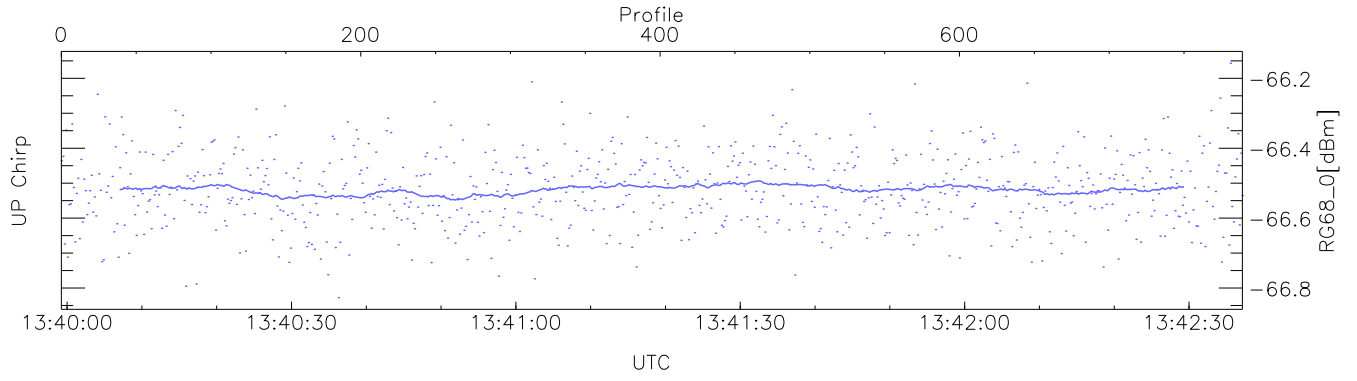
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-64.42	-64.04	-64.22	-64.23	-82.44
Chirp(HL [dBm])	-61.80	-61.39	-61.59	-61.59	-79.56
Pulse(WL [dBm])	-66.05	-65.67	-65.86	-65.86	-84.13
Pulse(HL [dBm])	-63.33	-62.85	-63.11	-63.11	-81.02



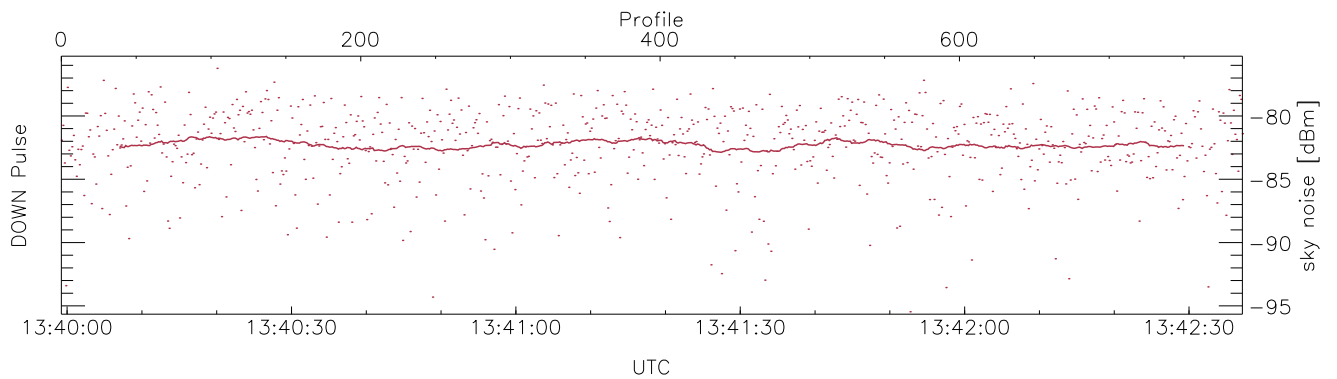
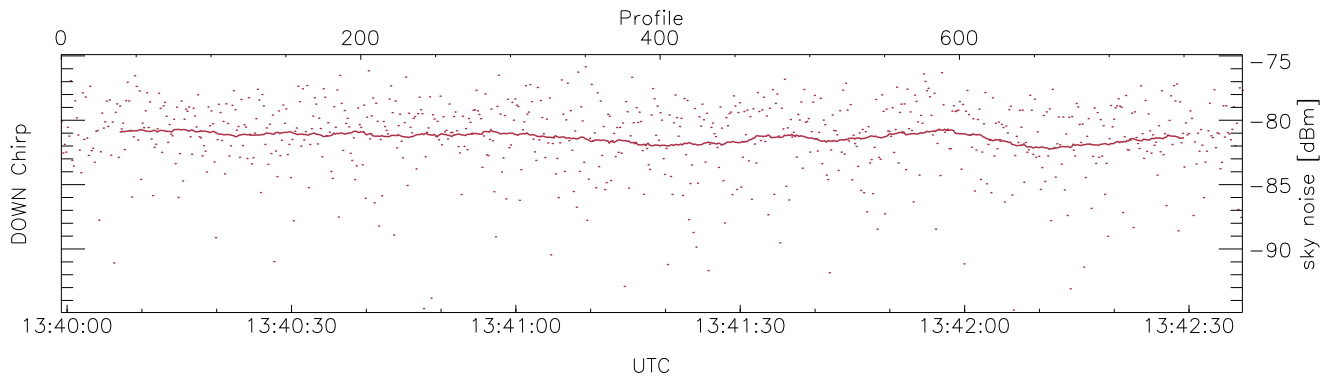
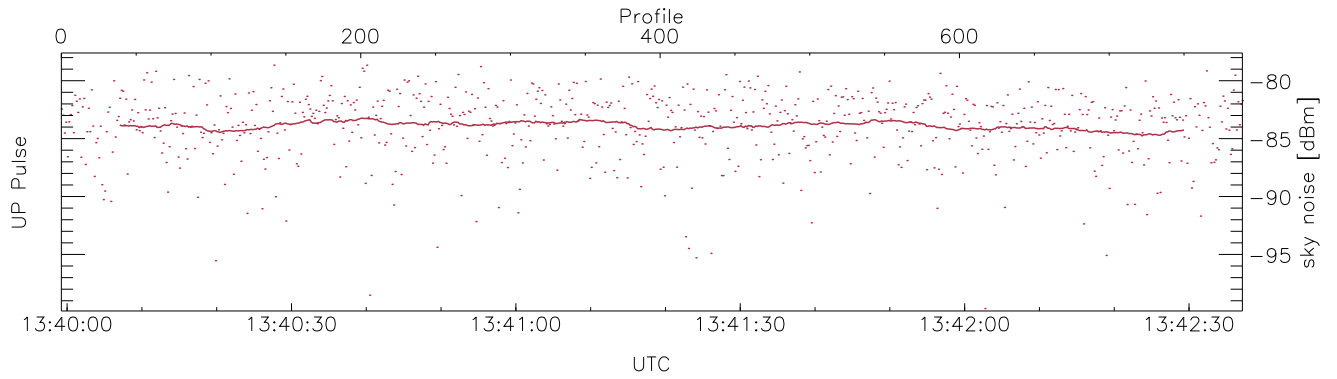
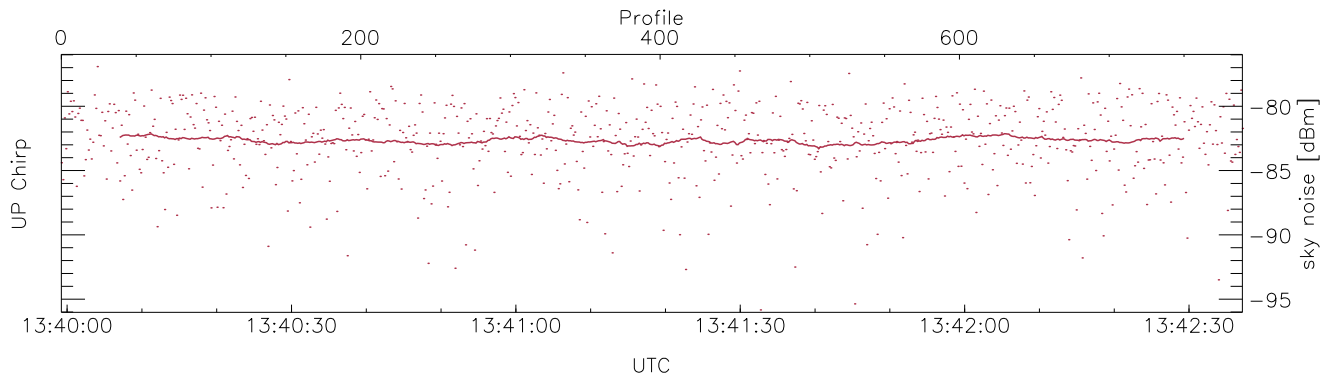
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.81	-66.17	-66.51	-66.51	-82.79
UP Pulse(dBm)	-68.02	-67.42	-67.71	-67.72	-84.22
DOWN Chirp(dBm)	-65.37	-64.68	-65.02	-65.02	-81.26
DOWN Pulse(dBm)	-66.37	-65.75	-66.01	-66.01	-82.35



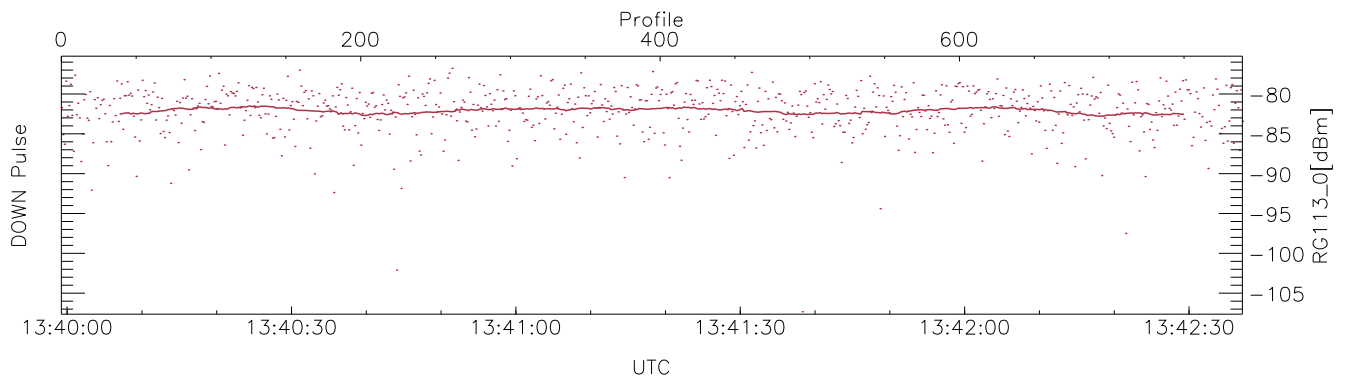
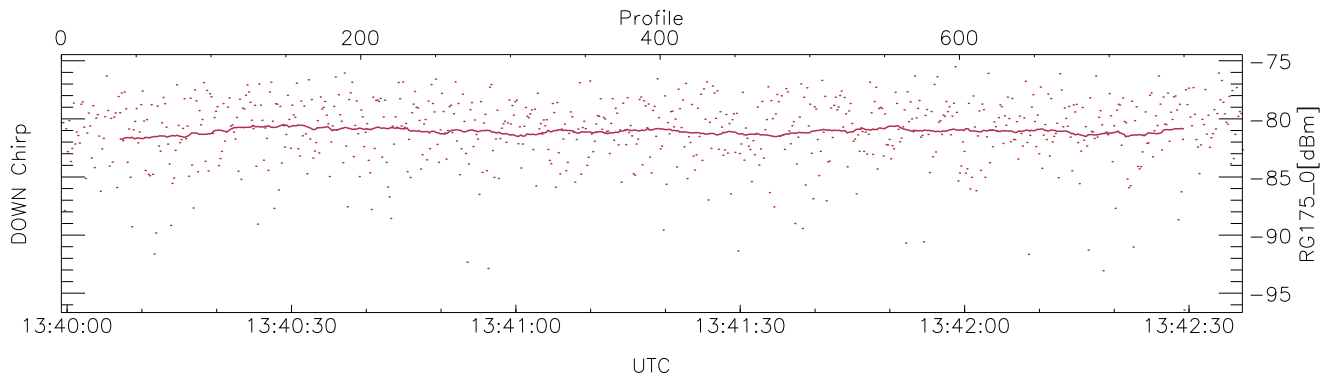
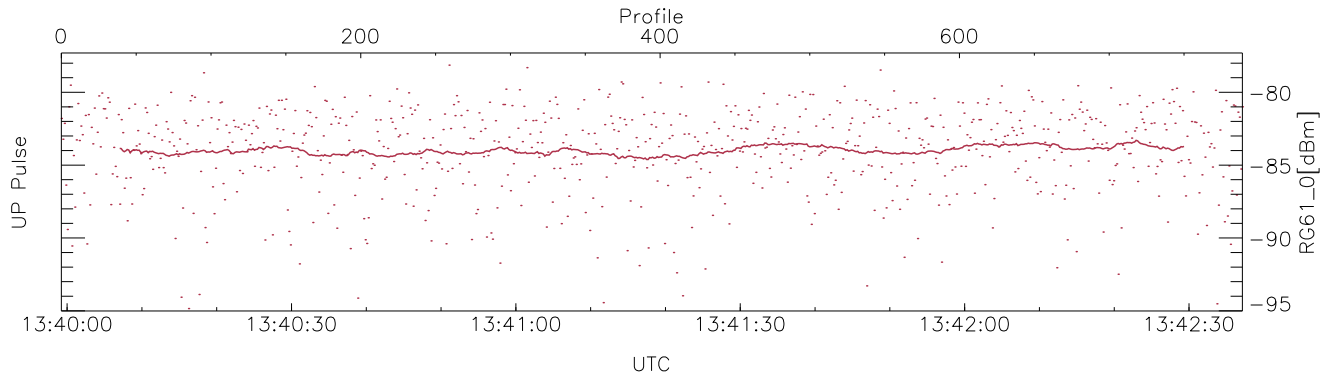
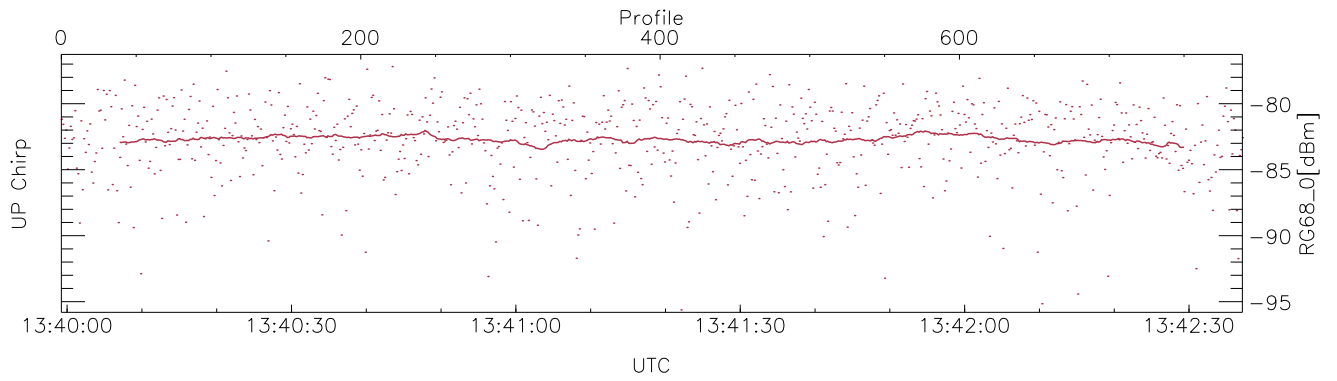
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG68_0	-66.83	-66.16	-66.52	-66.52	-82.78
UP_P_RG61_0	-68.07	-67.44	-67.73	-67.73	-84.36
DOWN_C_RG175_0	-65.36	-64.67	-65.03	-65.03	-81.63
DOWN_P_RG113_0	-66.29	-65.76	-66.02	-66.03	-82.31



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

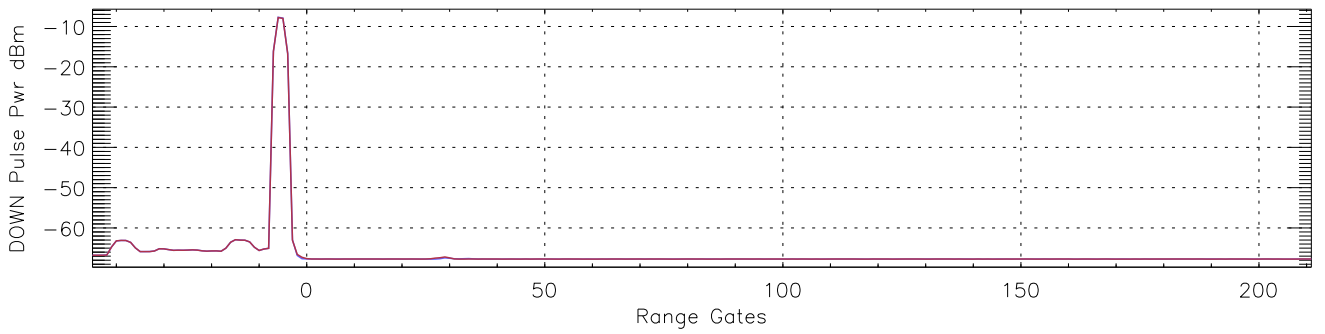
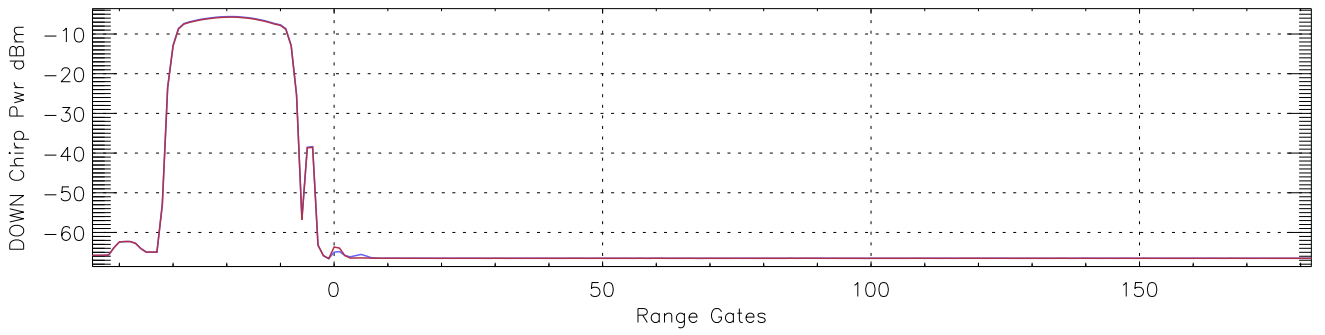
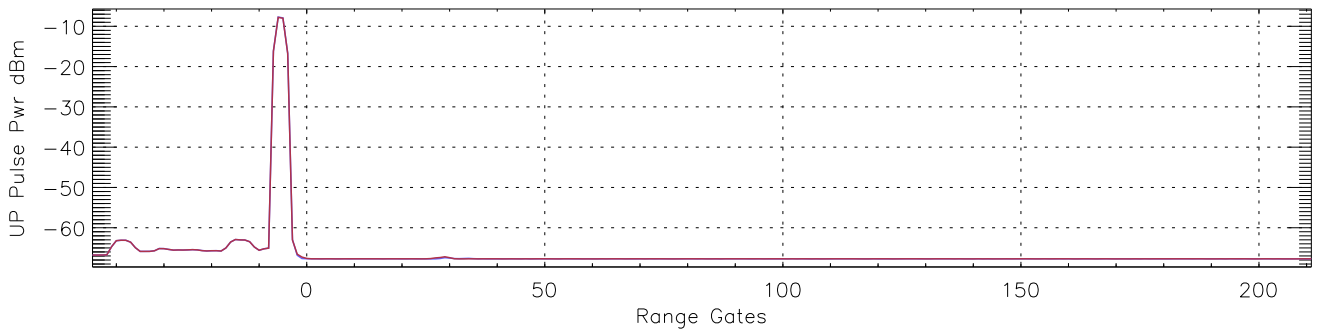
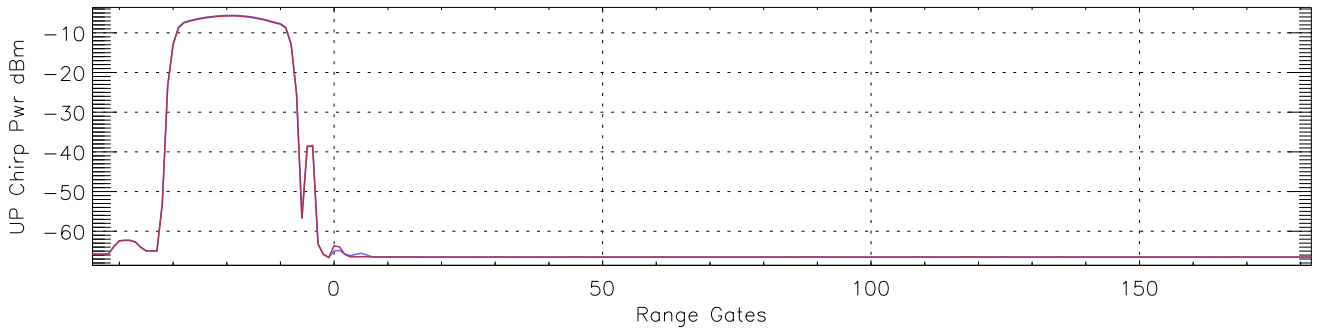
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-95.84	-76.92	-81.88	-82.20	-84.66
UP Pulse(dBm)	-99.67	-78.66	-83.15	-83.43	-85.98
DOWN Chirp(dBm)	-94.75	-75.84	-80.55	-80.85	-83.38
DOWN Pulse(dBm)	-95.46	-76.24	-81.50	-81.84	-84.23



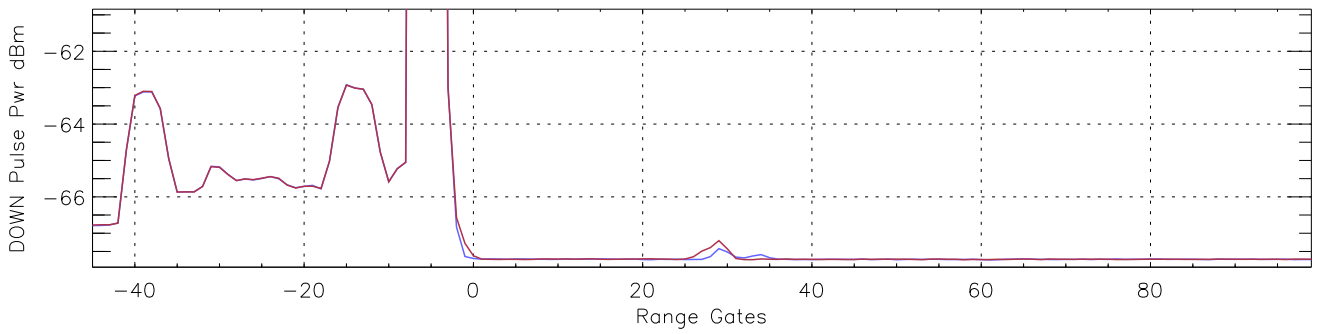
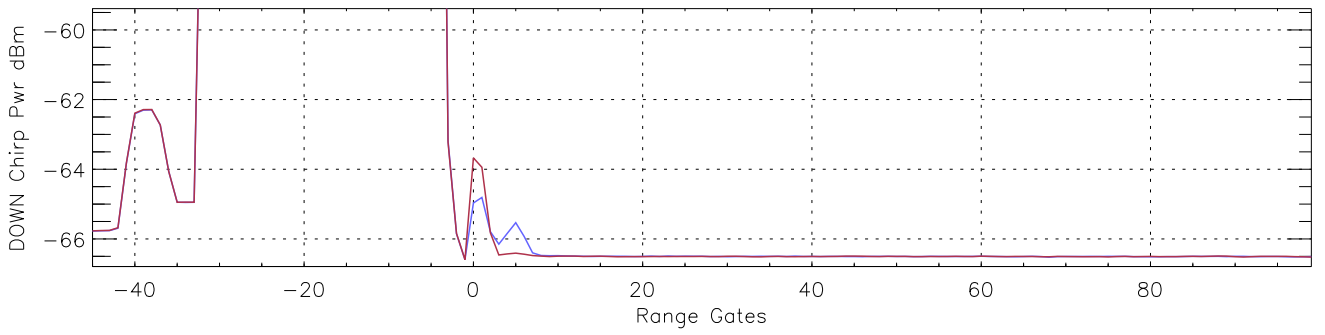
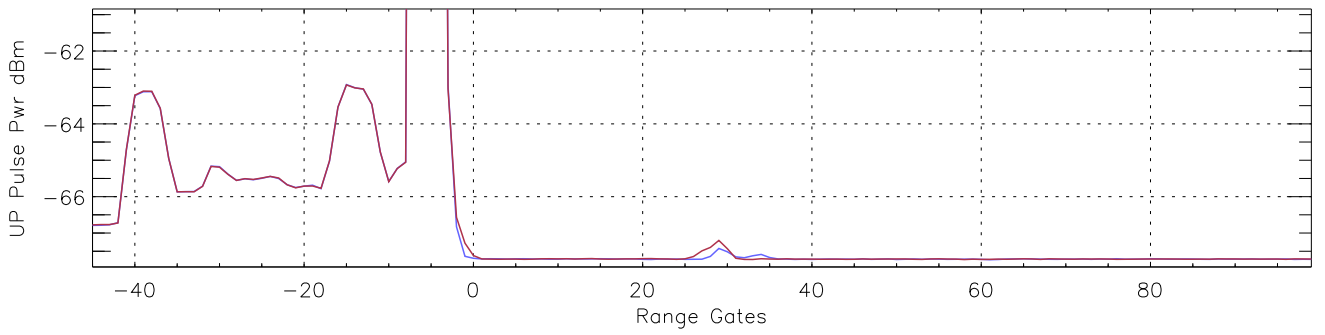
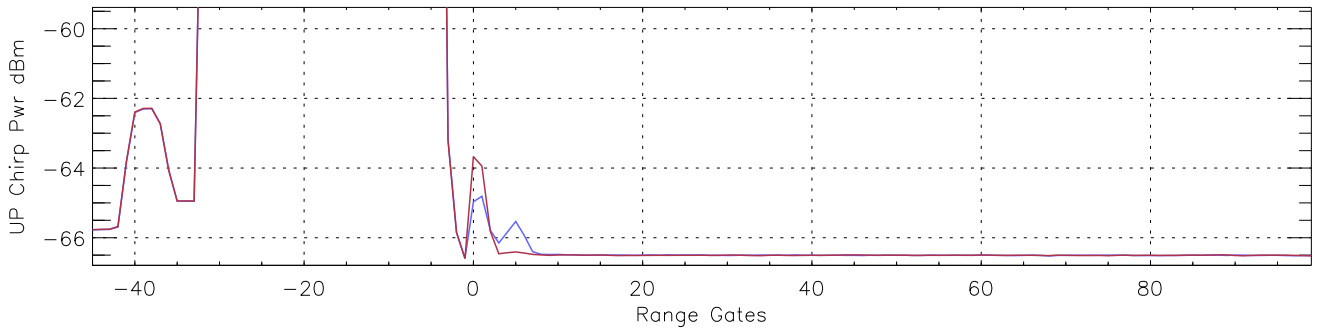
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG68_0	-95.63	-77.19	-82.01	-82.35	-84.72
UP_P_RG61_0	-94.84	-78.14	-83.18	-83.46	-85.82
DOWN_C_RG175_0	-96.46	-75.52	-80.30	-80.62	-82.99
DOWN_P_RG113_0	-107.33	-76.79	-81.37	-81.63	-84.22

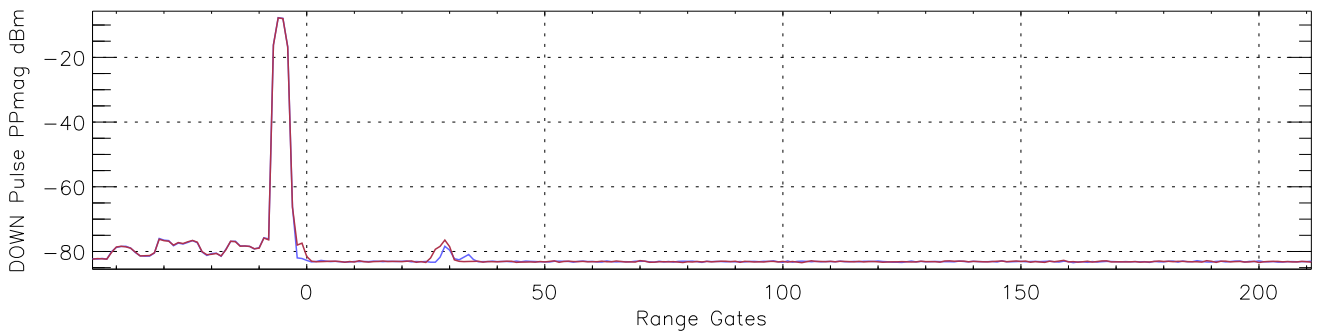
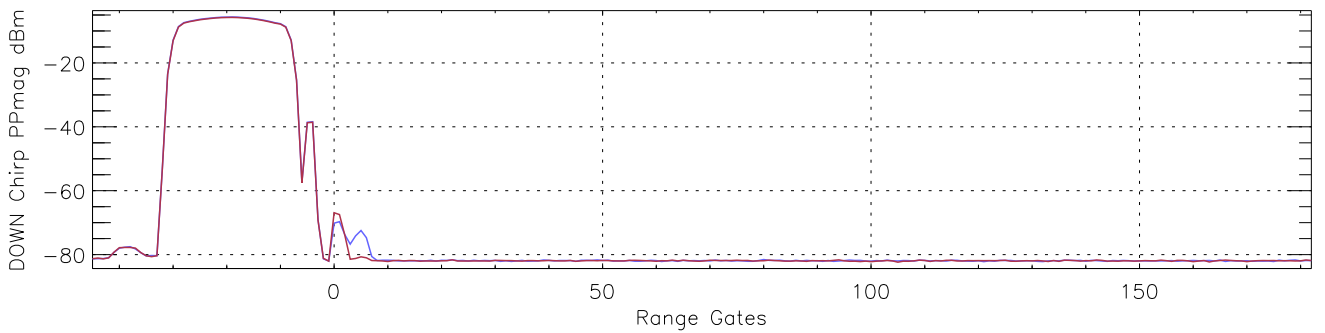
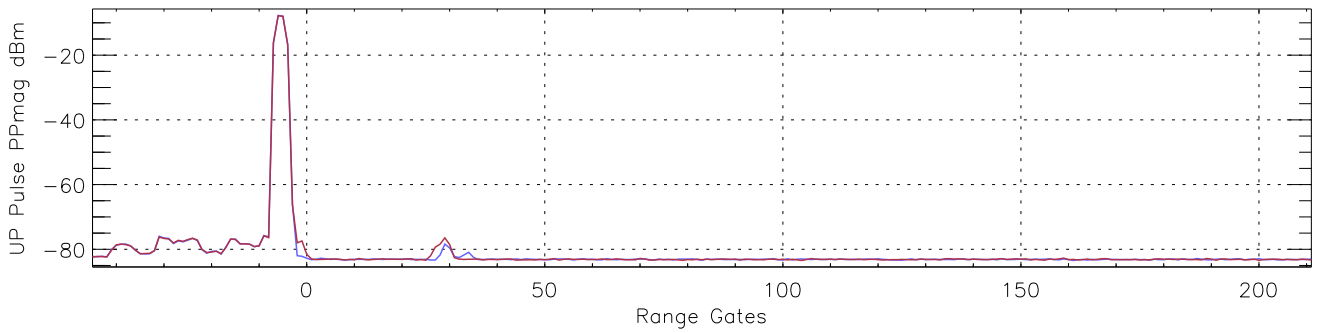
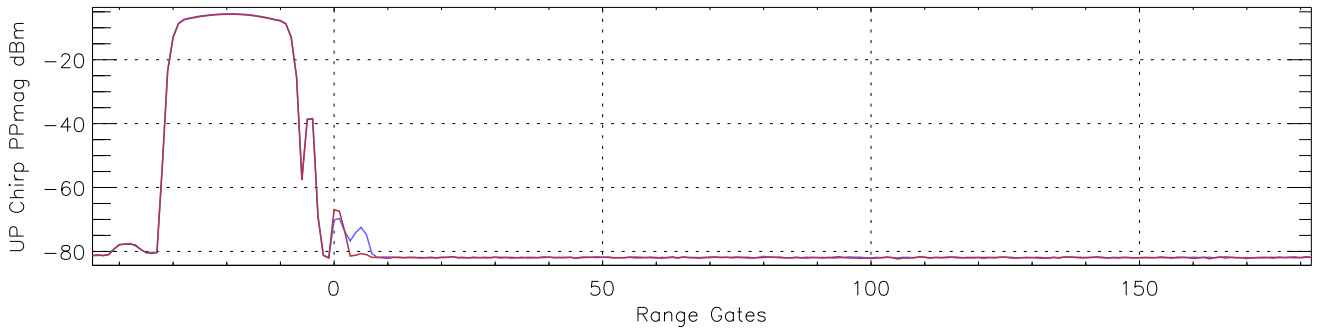




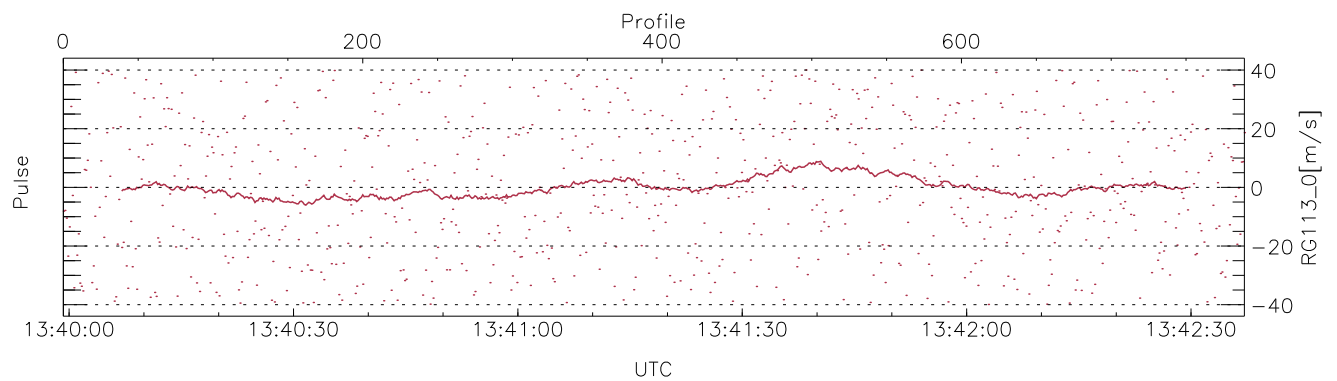
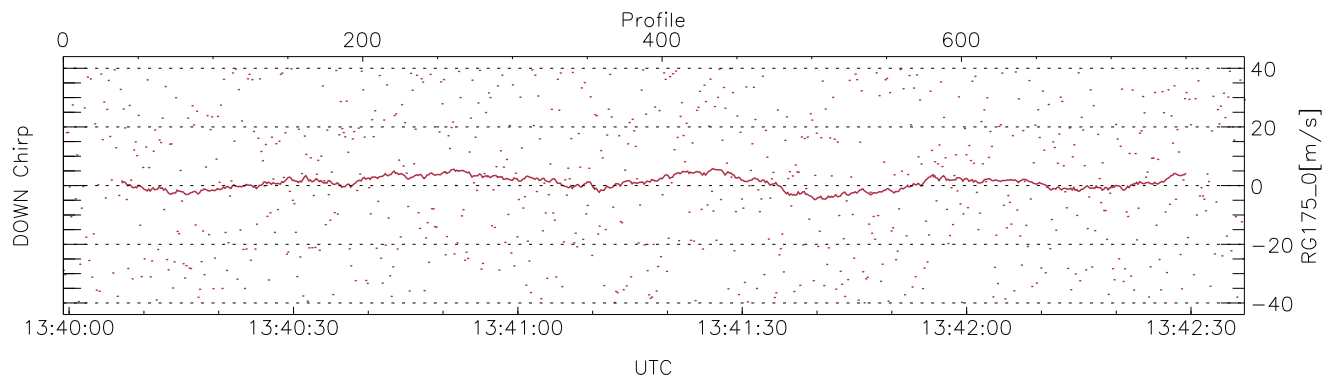
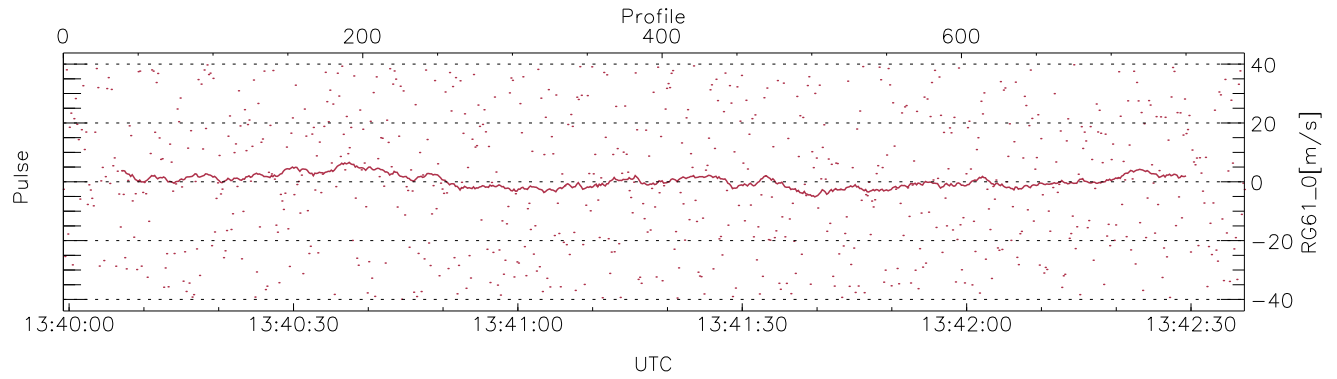
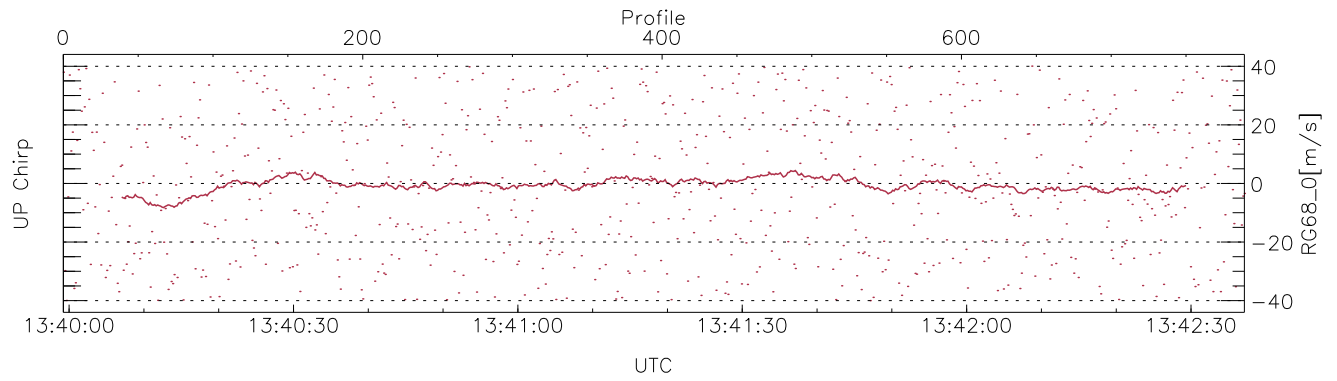
KPR SPP Averaged Received power for all recorded gates  
blue: 133959-134118, 396 profiles averaged  
red: 134118-134237, 395 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 133959-134118, 396 profiles averaged  
red: 134118-134237, 395 profiles averaged

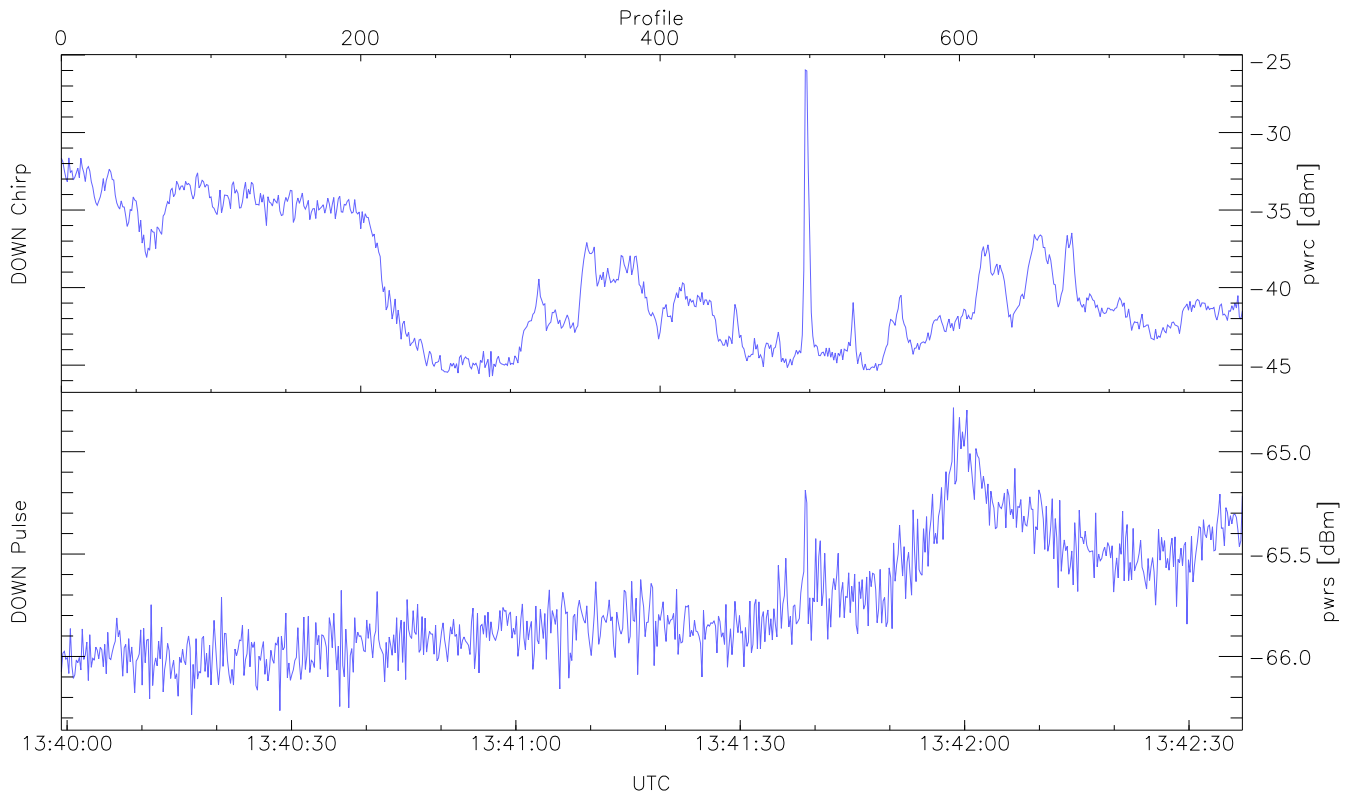
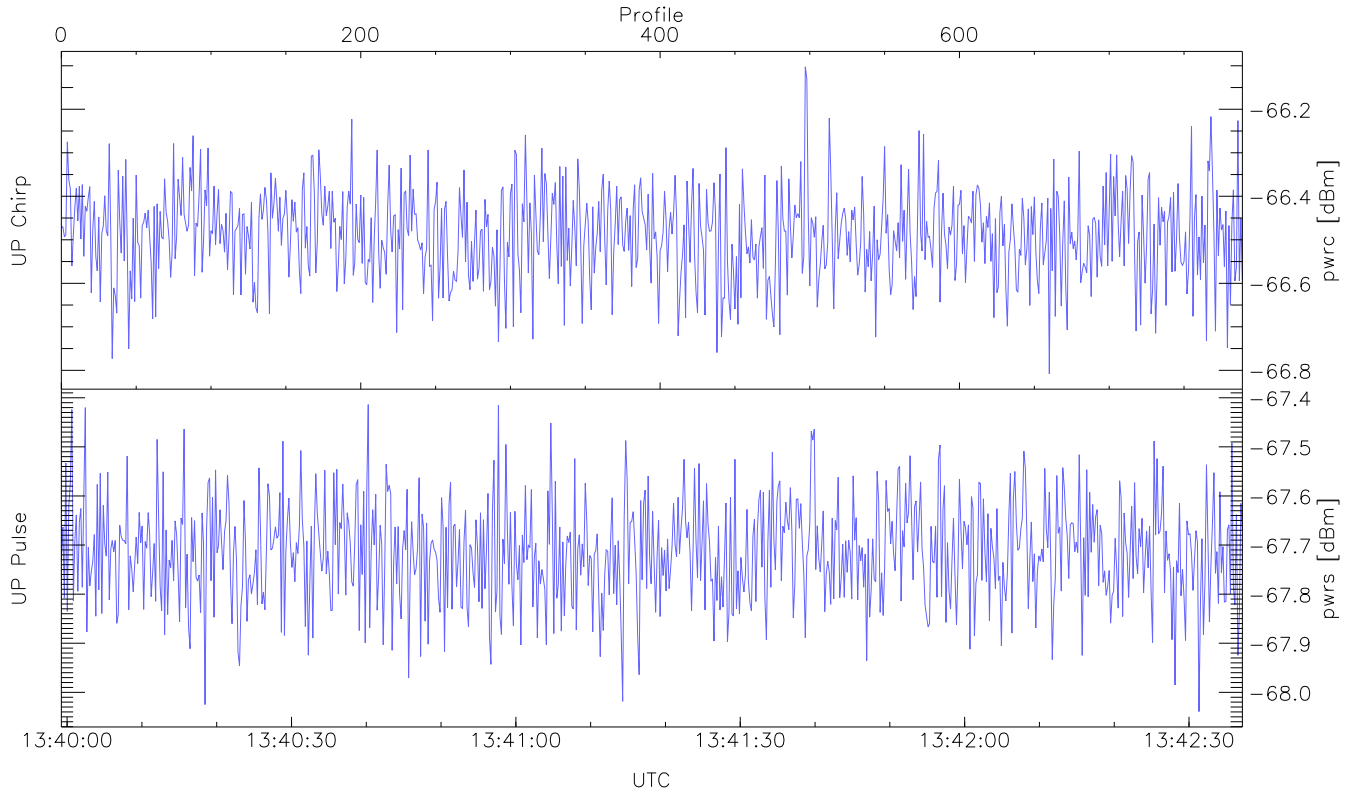


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 133959-134118, 396 profiles averaged  
red: 134118-134237, 395 profiles averaged



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

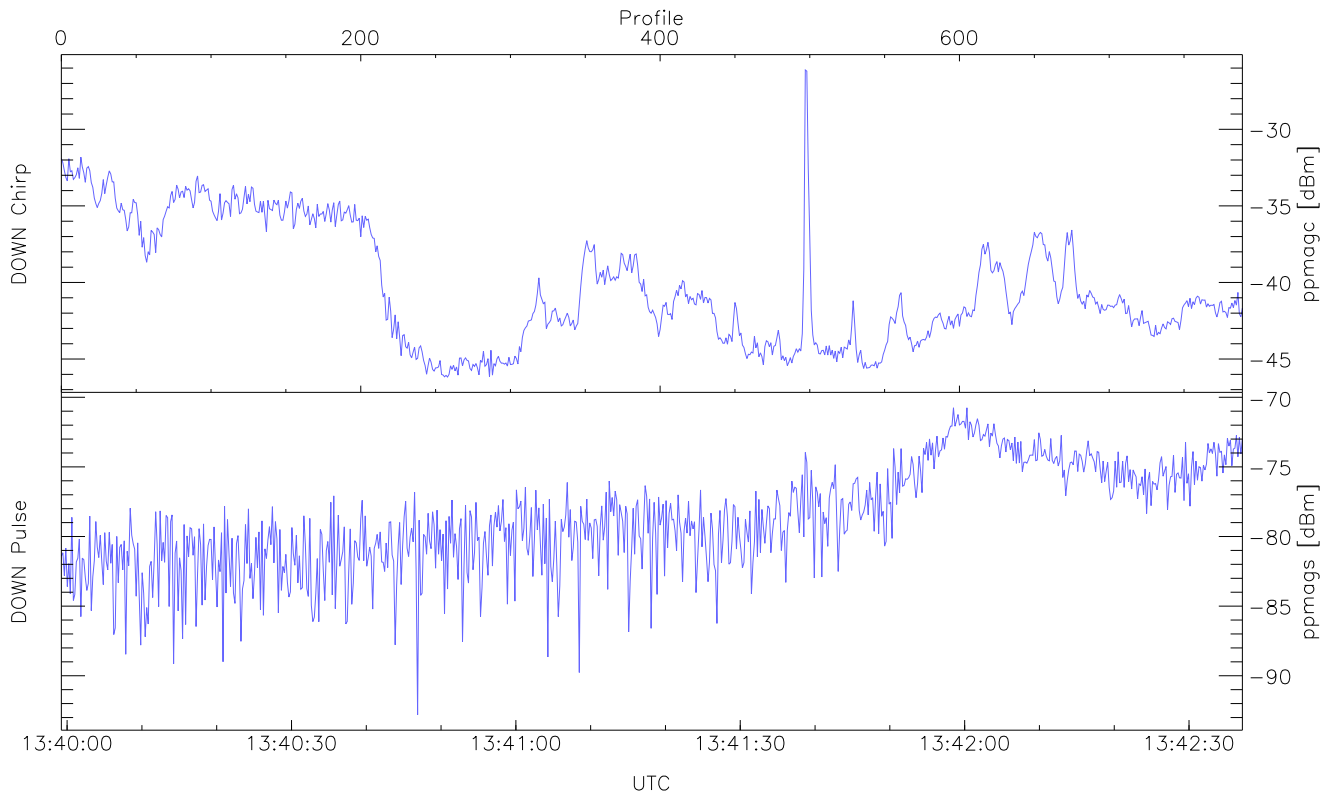
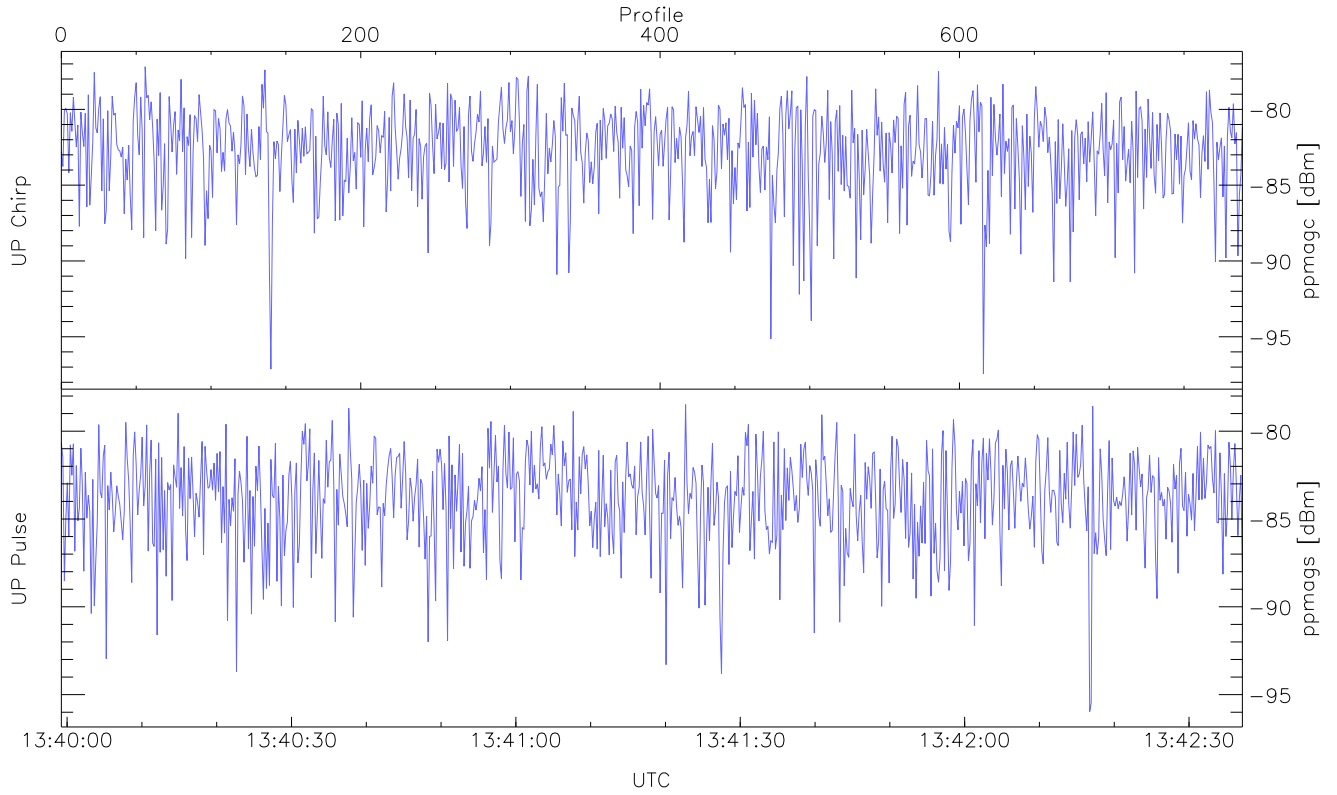
	Min	Max	Mean	Median	StDev
UP_C_RG68_0	-40.01	40.04	-0.62	-1.83	23.22
UP_P_RG61_0	-39.93	39.79	0.48	0.13	23.01
DOWN_C_RG175_0	-39.96	39.97	1.13	1.92	23.45
DOWN_P_RG113_0	-39.92	40.03	-0.37	-1.26	22.71



KPR SPP Received Power for Chirp Range gate 10 (1308.3 m)

KPR SPP Received Power for Pulse Range gate 10 (466.6 m)

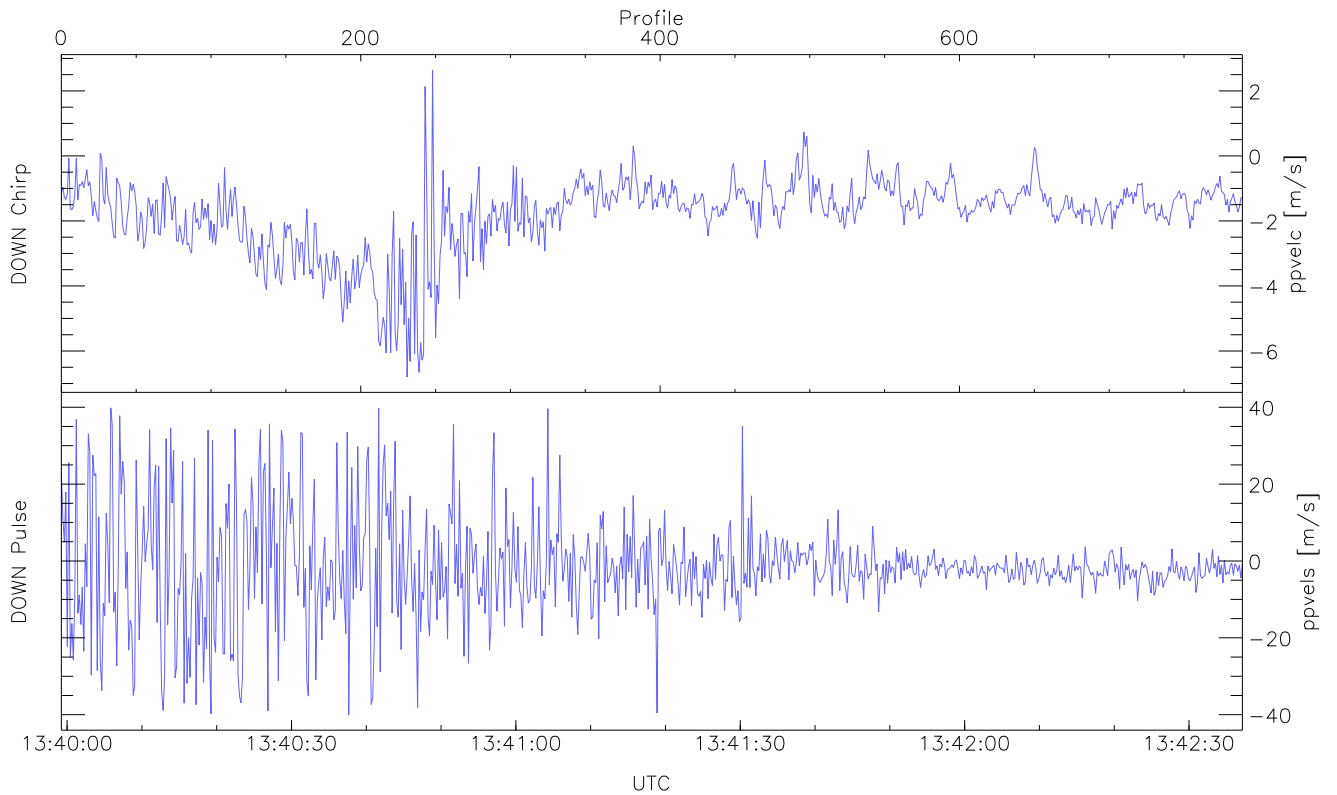
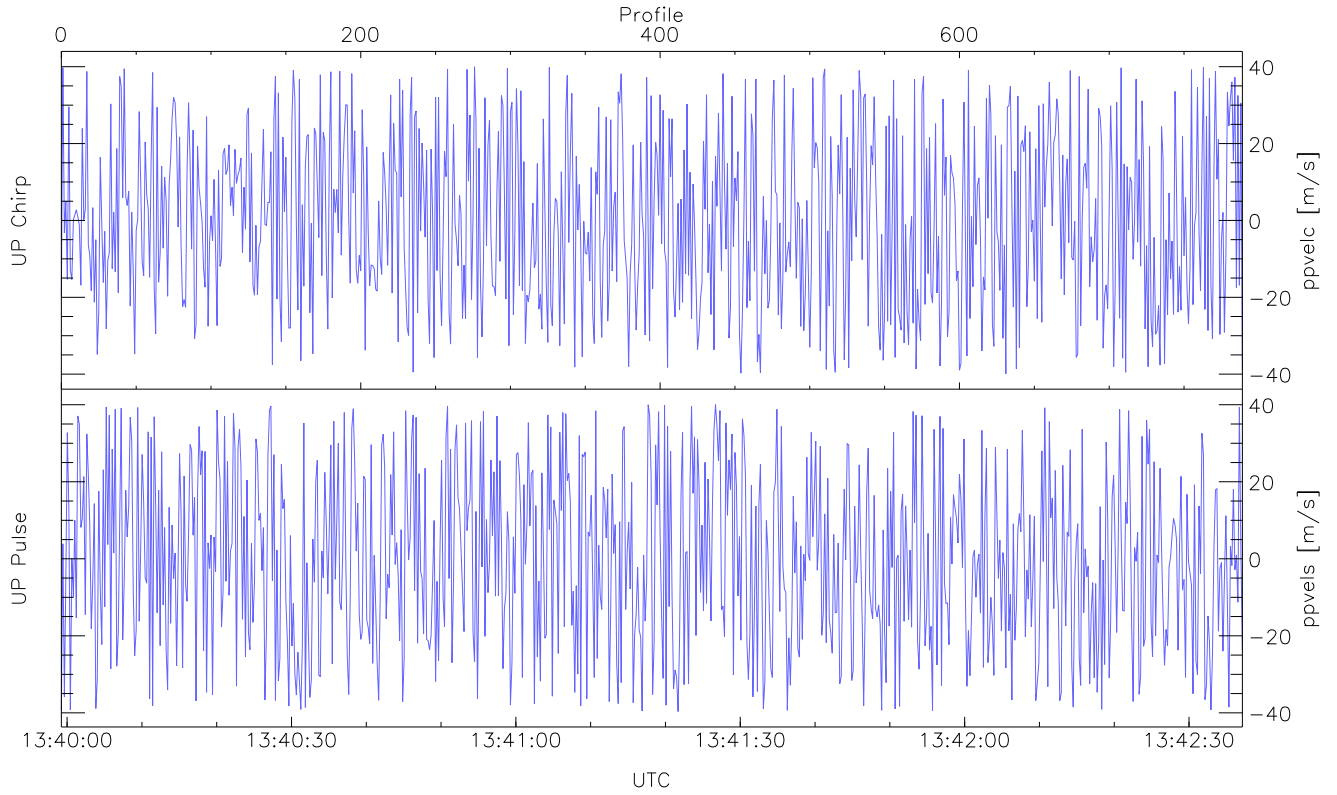
	Min	Max	Mean
UP Chirp(dBm)	-66.81	-66.10	-66.49
UP Pulse(dBm)	-68.04	-67.41	-67.71
DOWN Chirp(dBm)	-45.77	-25.97	-37.97
DOWN Pulse(dBm)	-66.28	-64.79	-65.73



KPR SPP PPMAG for Chirp Range gate 10 (1308.3 m)

KPR SPP PPMAG for Pulse Range gate 10 (466.6 m)

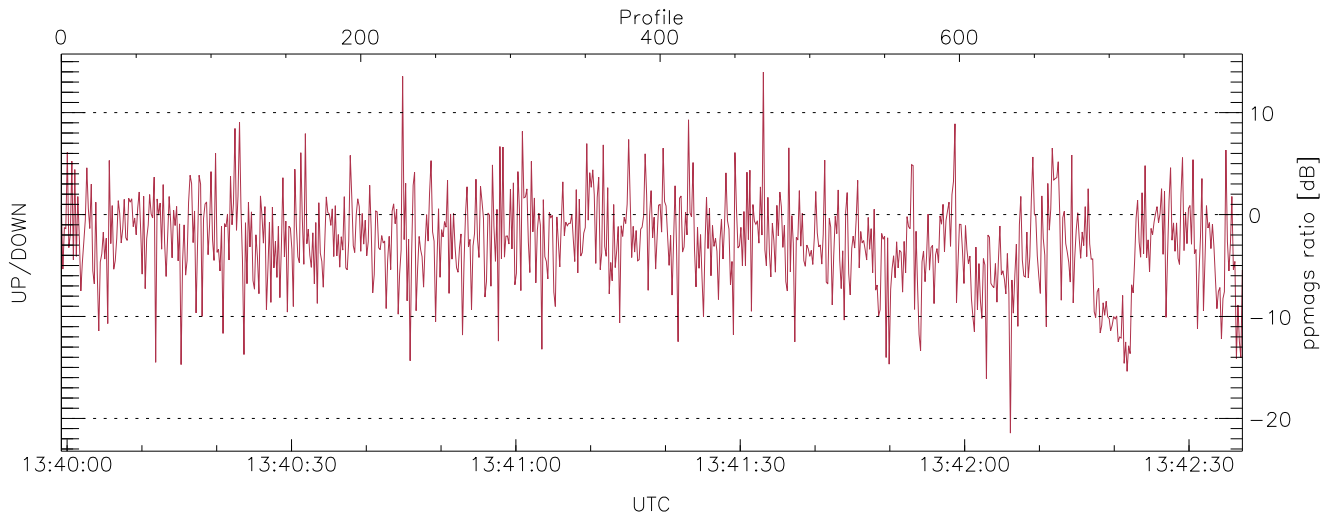
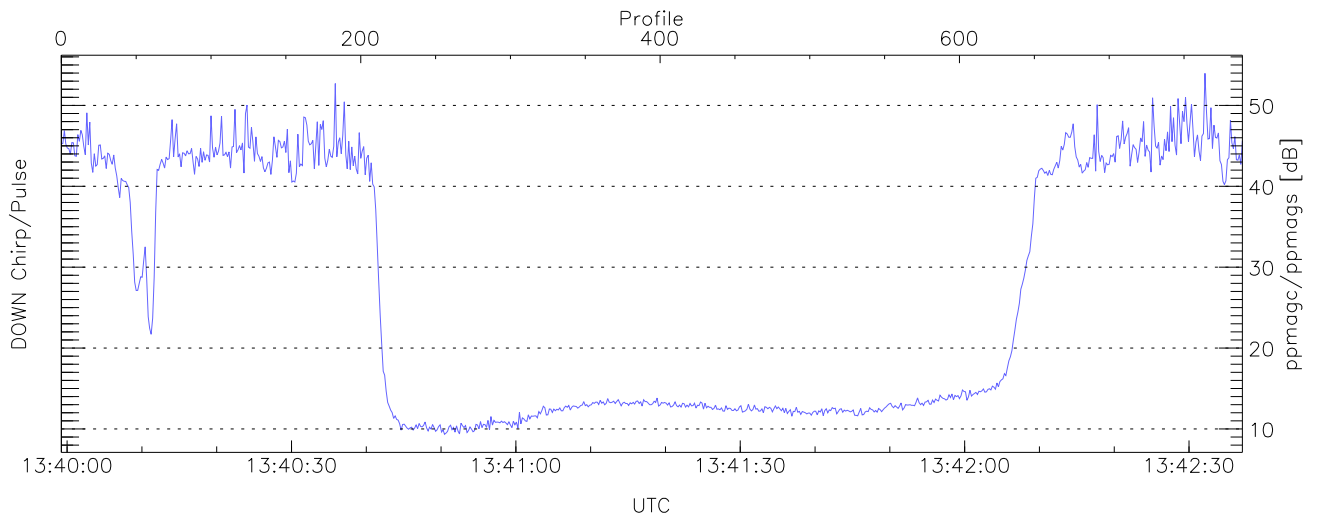
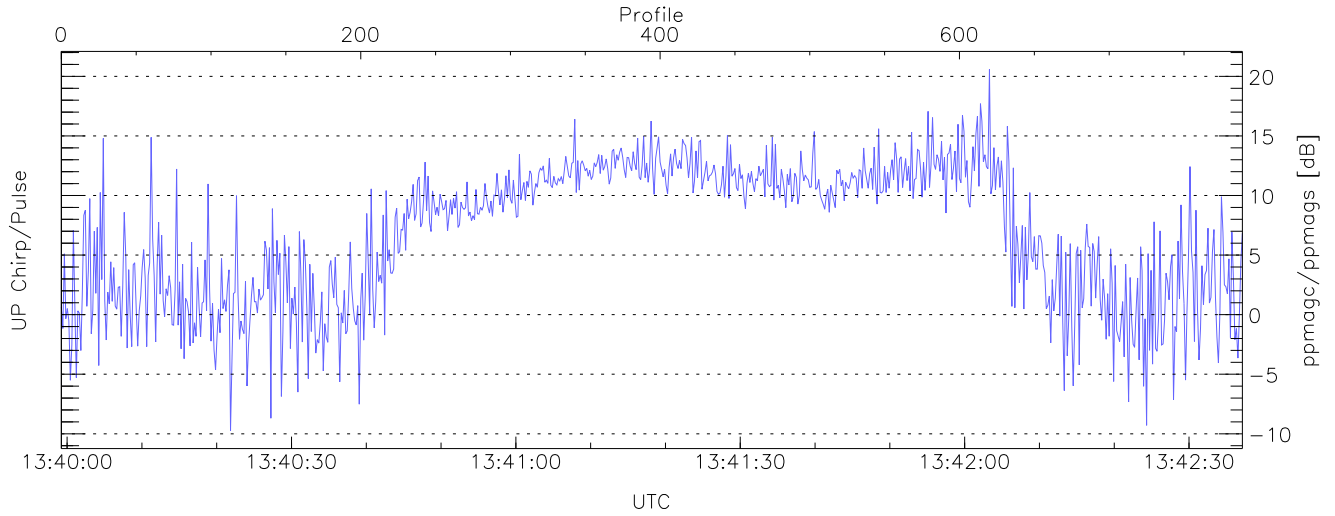
	Min	Max	Mean
UP Chirp(dBm)	-97.45	-77.19	-81.96
UP Pulse(dBm)	-95.97	-78.48	-83.17
DOWN Chirp(dBm)	-46.17	-26.12	-38.39
DOWN Pulse(dBm)	-92.81	-70.75	-77.29



KPR SPP PPVEL for Chirp Range gate 10 (1308.3 m)

KPR SPP PPVEL for Pulse Range gate 10 (466.6 m)

	Min	Max	Mean
UP Chirp(m/s)	-39.92	39.98	0.29
UP Pulse(m/s)	-39.68	40.06	-0.24
DOWN Chirp(m/s)	-6.80	2.64	-1.80
DOWN Pulse(m/s)	-40.03	39.87	-1.61



KPR SPP PPMAG Chirp/Pulse; Range gate: 1038.5m /1066.2m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-9.72	20.58	9.64
DOWN Chirp/Pulse(dBm)	9.33	53.98	41.38
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-21.44	13.98	-0.36