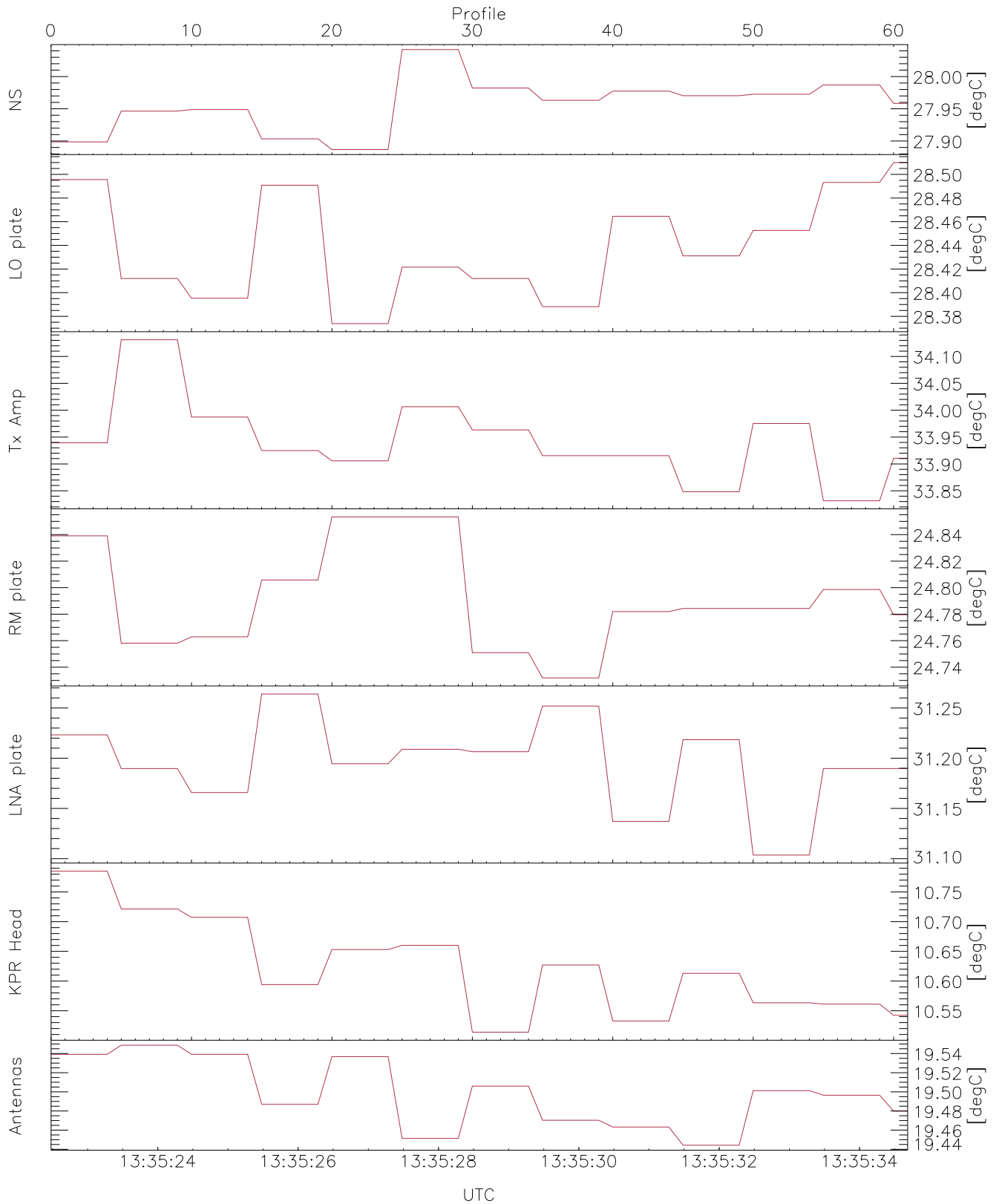


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 13:35:22-13:35:35, TimeCor: 0.00s, Dur: 12.21s
 TimeInt(min,max,mn,std): 200.1,200.2,200.1,0.0 ms; PPS: 5.0
 NumRec(r/t): 62/62, 0-61/13:35:22-13:35:35
 AcqTime(req,actual): 200.1,200.0 ms, Data Rate: 97.3 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 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

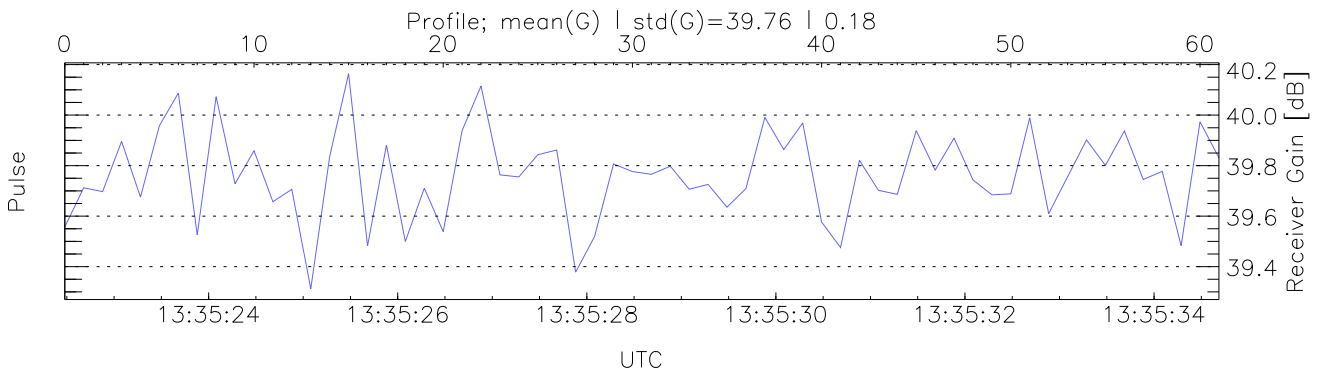
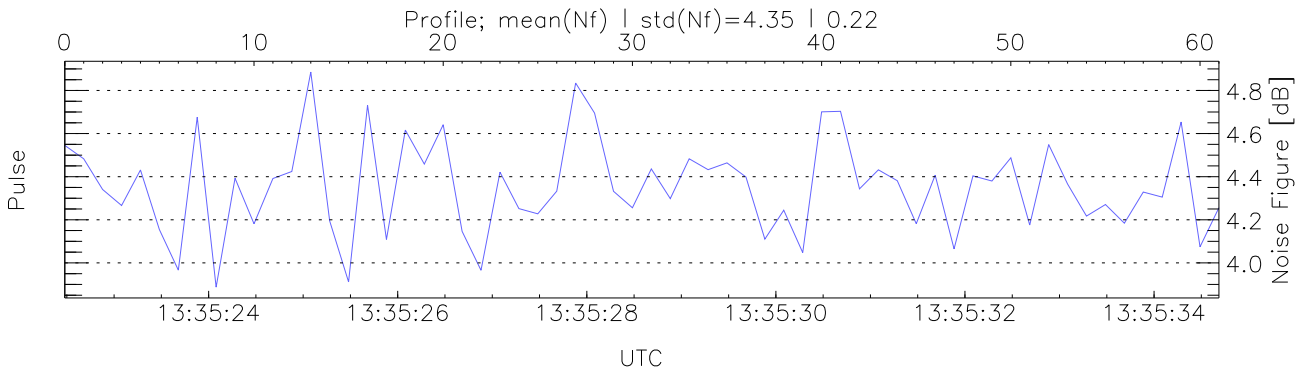
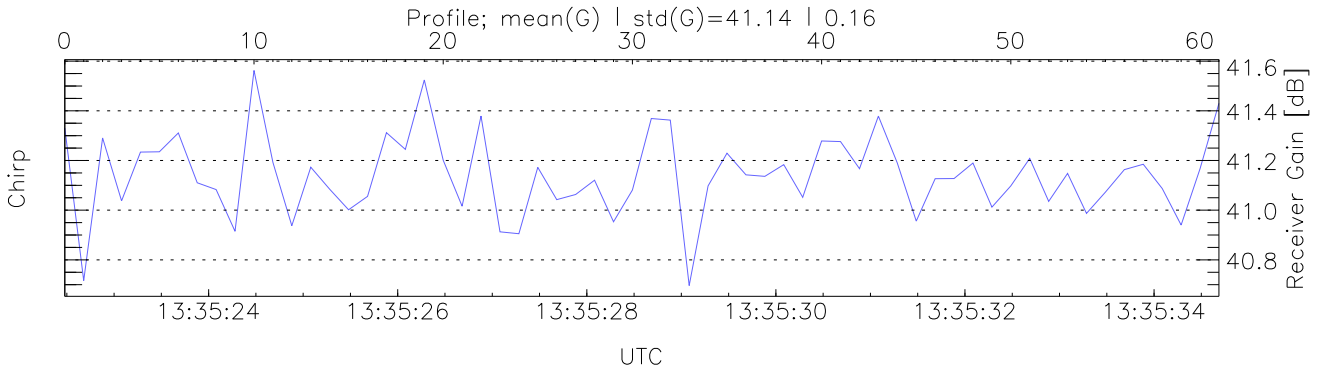
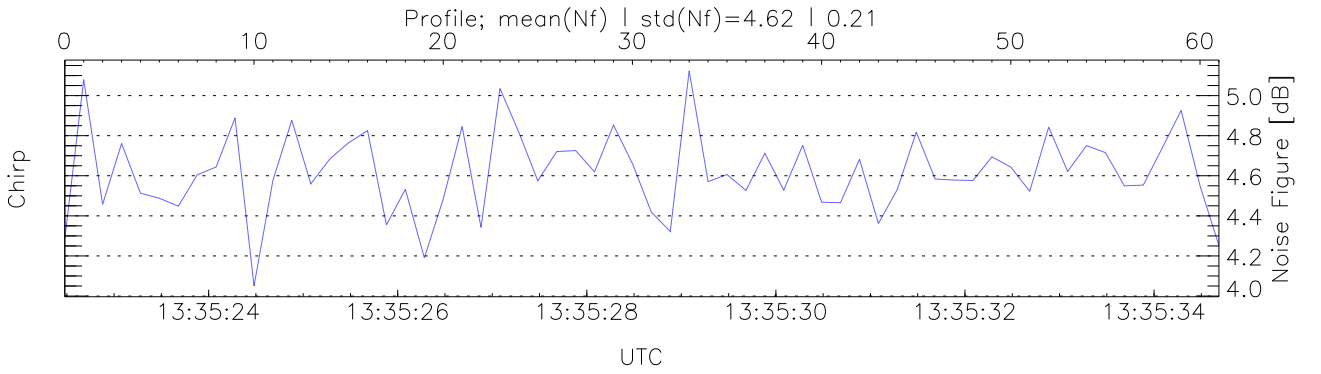


KPR SPP Temperatures, Power Supplies, PLO lock:

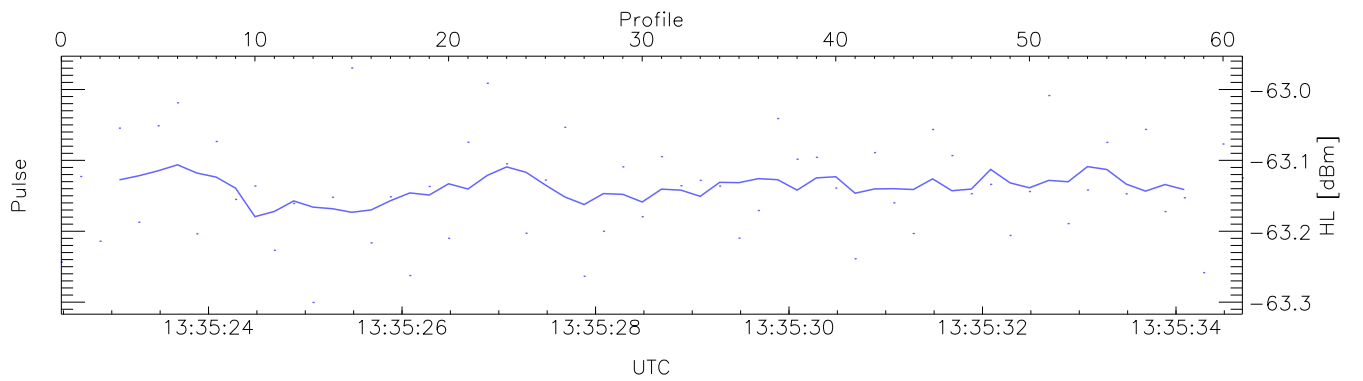
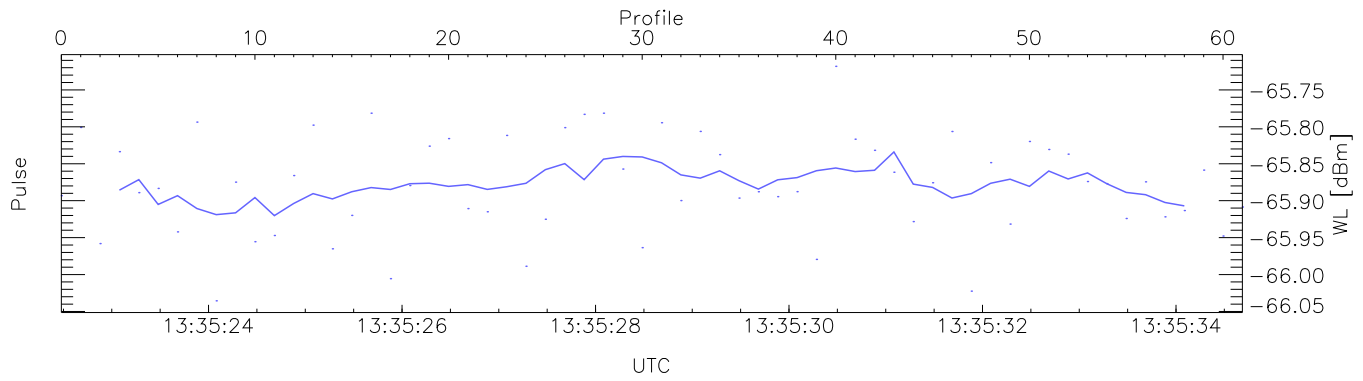
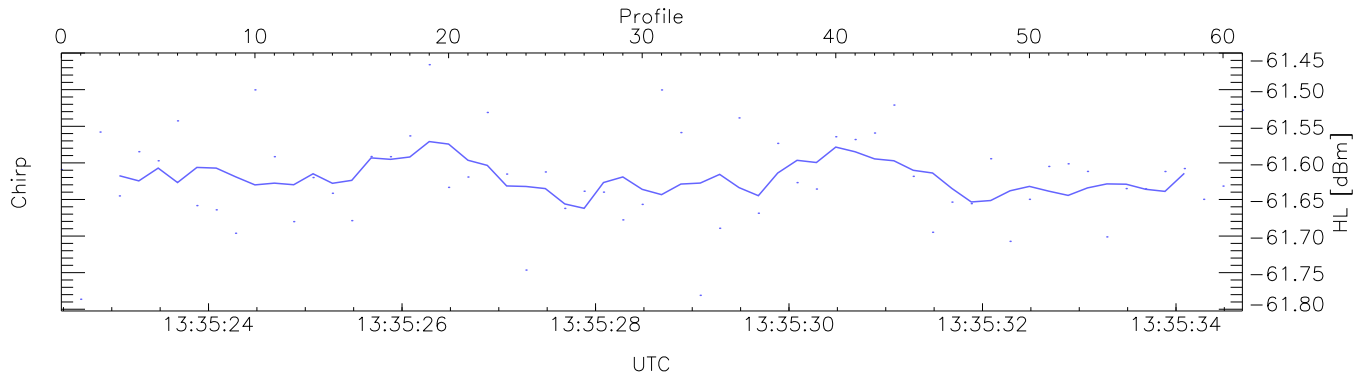
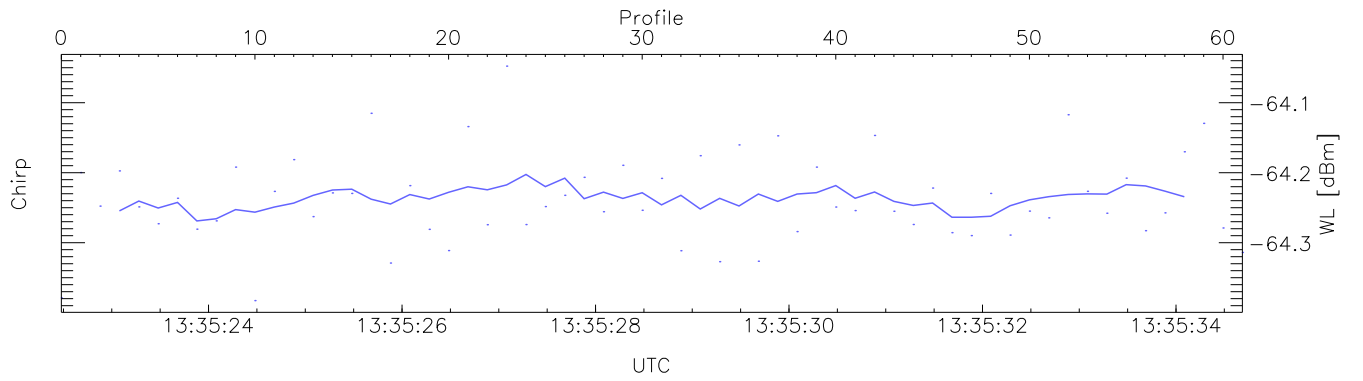
mintempC: 27.9, 28.4, 33.8, 24.7, 31.1, 10.5, 19.4
 maxtempC: 28.0, 28.5, 34.1, 24.9, 31.3, 10.8, 19.5

minVDC: 26.19, 11.71, 7.85, 5.22
 maxVDC: 27.12, 11.74, 7.86, 5.23

PLO(3.84,15.84 GHz) unlocked: None

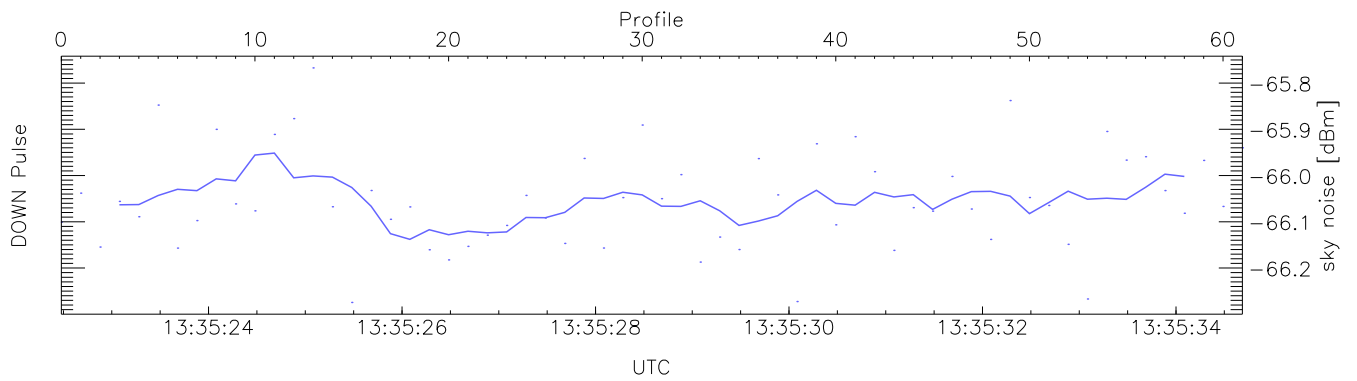
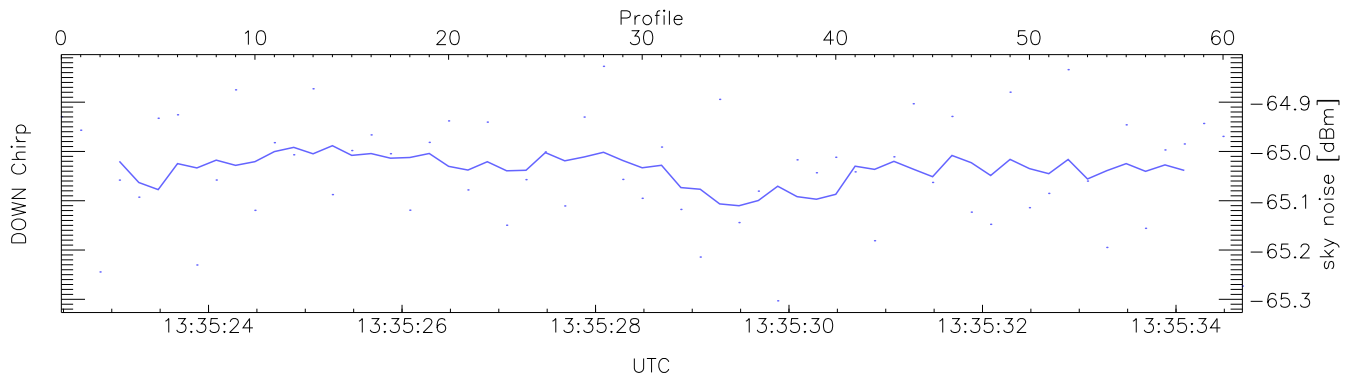
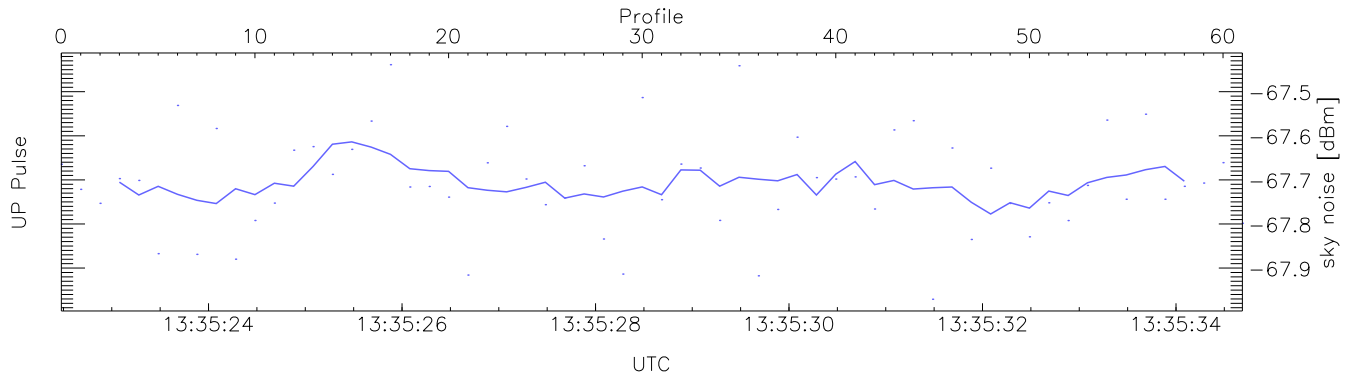
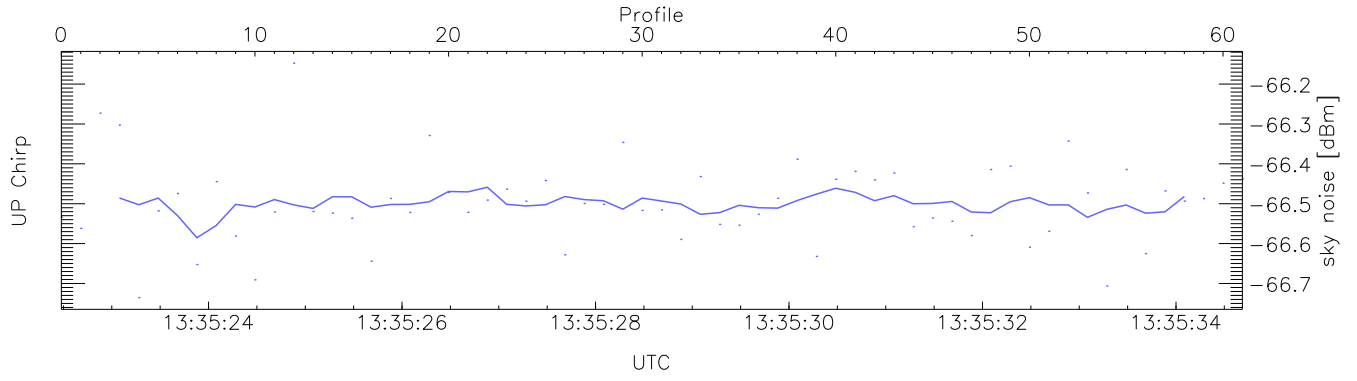


KPR SPP Receiver Gain and Noise Figure



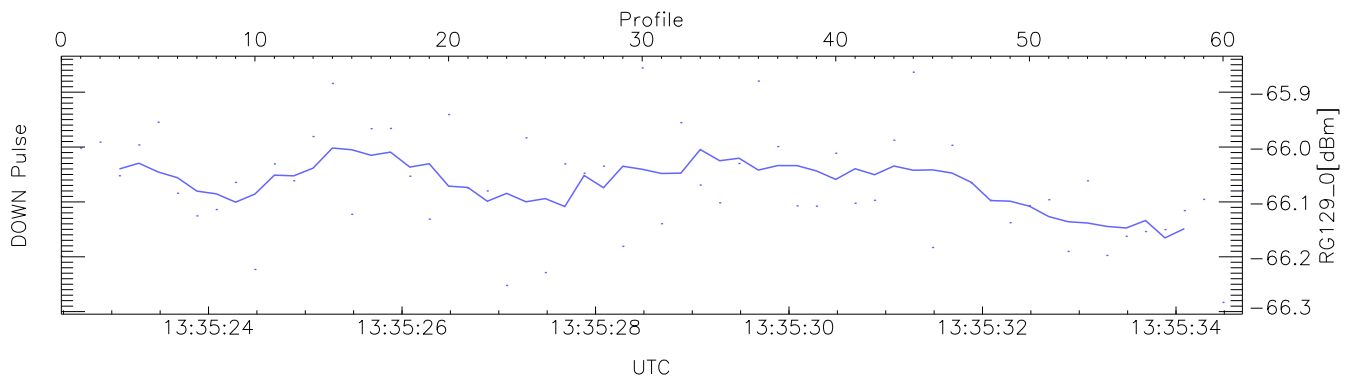
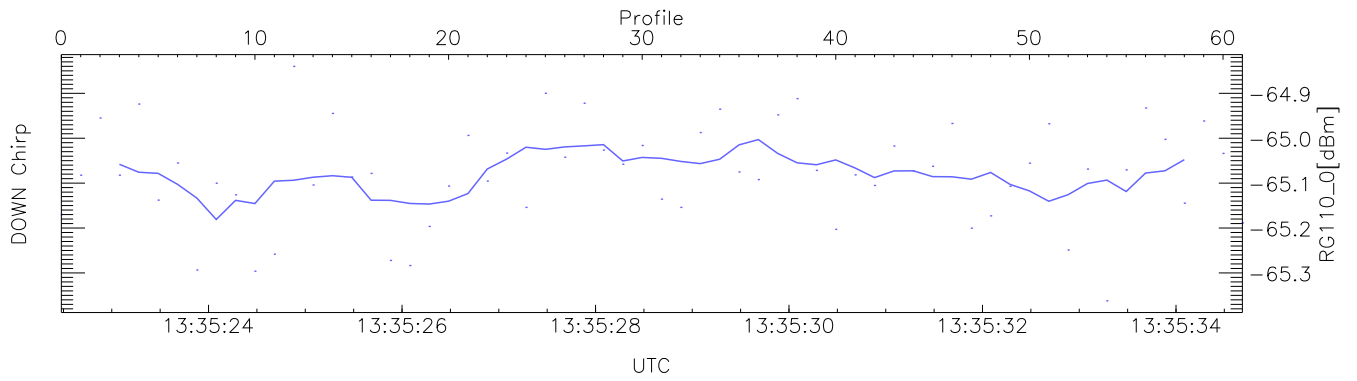
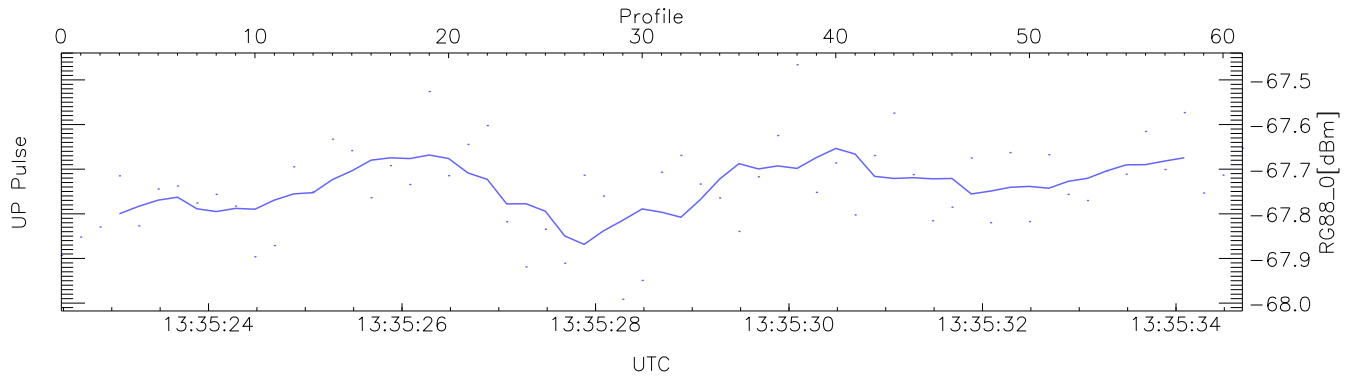
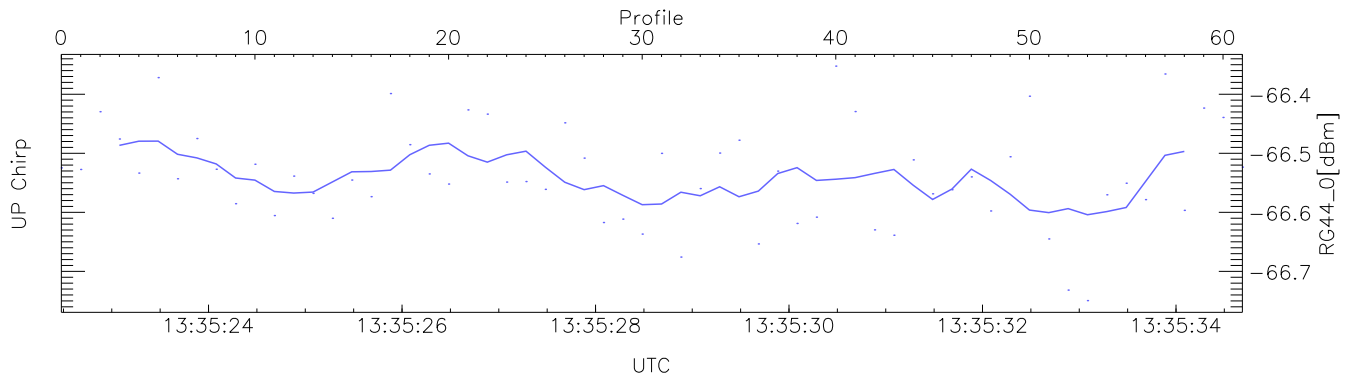
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-64.38	-64.05	-64.24	-64.25	-82.62
Chirp(HL [dBm])	-61.79	-61.47	-61.62	-61.62	-80.01
Pulse(WL [dBm])	-66.04	-65.72	-65.88	-65.88	-84.06
Pulse(HL [dBm])	-63.30	-62.97	-63.14	-63.14	-81.02



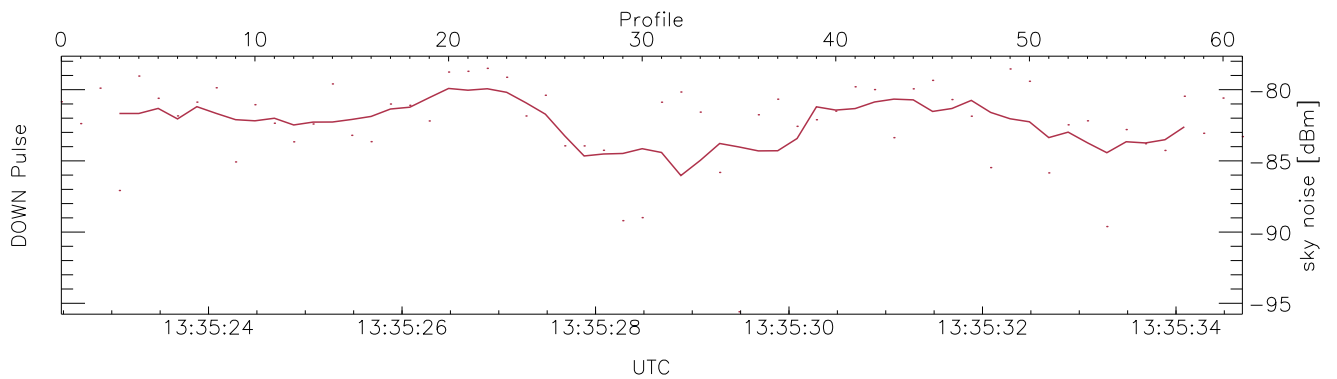
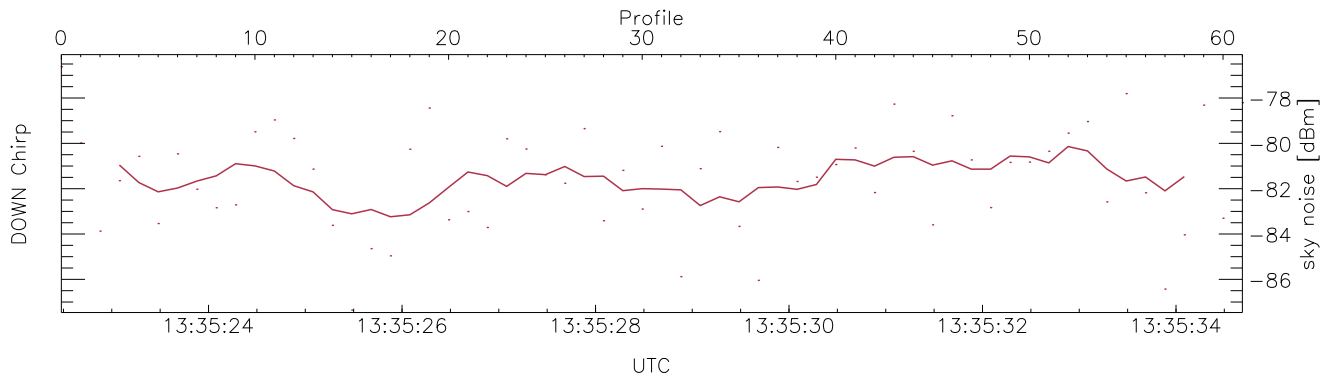
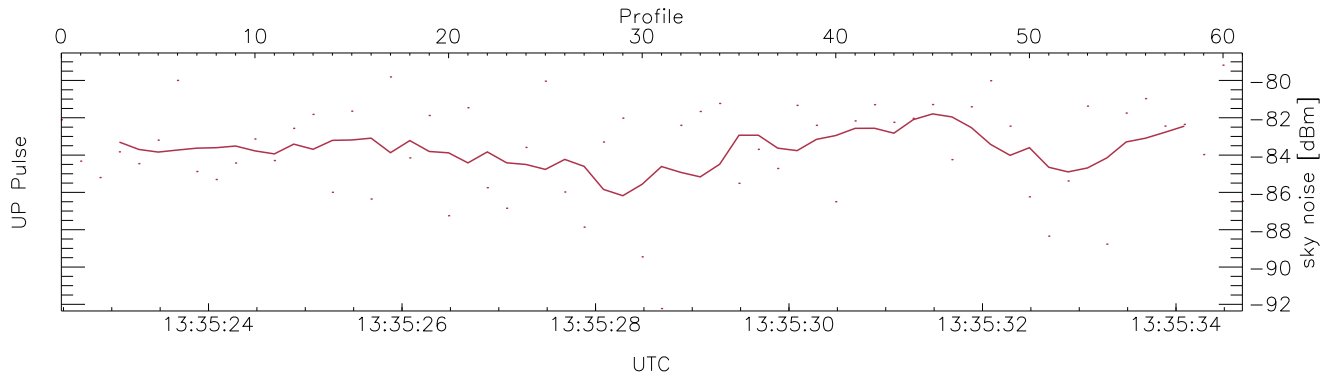
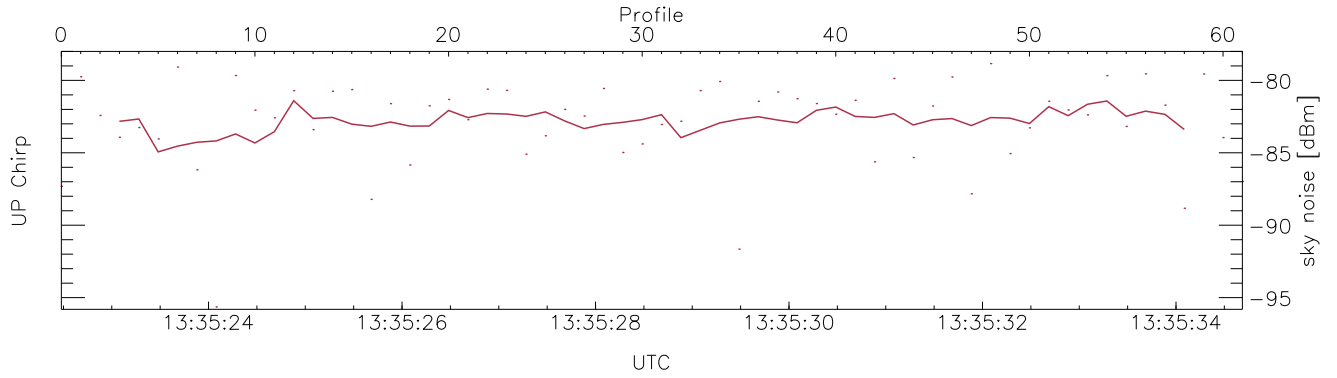
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.74	-66.15	-66.50	-66.50	-82.72
UP Pulse(dBm)	-67.97	-67.44	-67.71	-67.71	-83.60
DOWN Chirp(dBm)	-65.30	-64.83	-65.04	-65.02	-81.10
DOWN Pulse(dBm)	-66.27	-65.77	-66.05	-66.07	-82.15



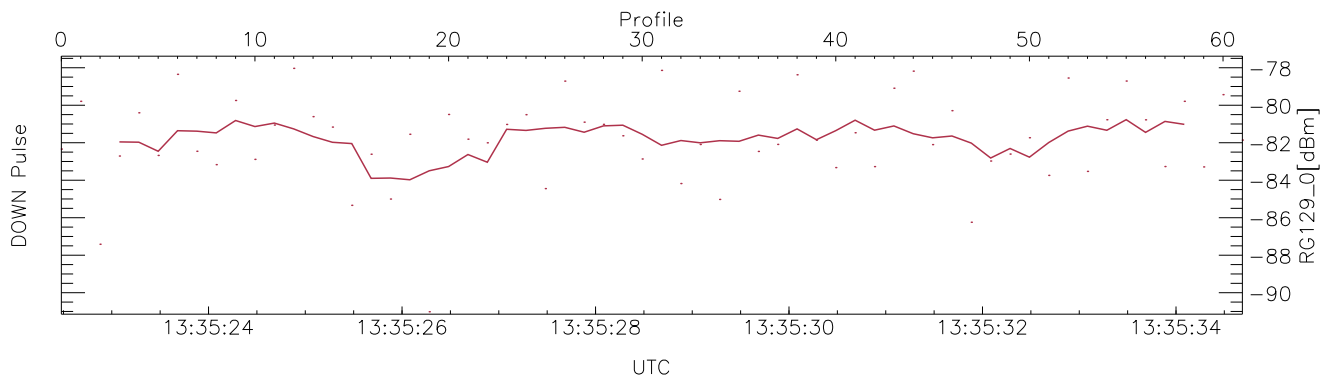
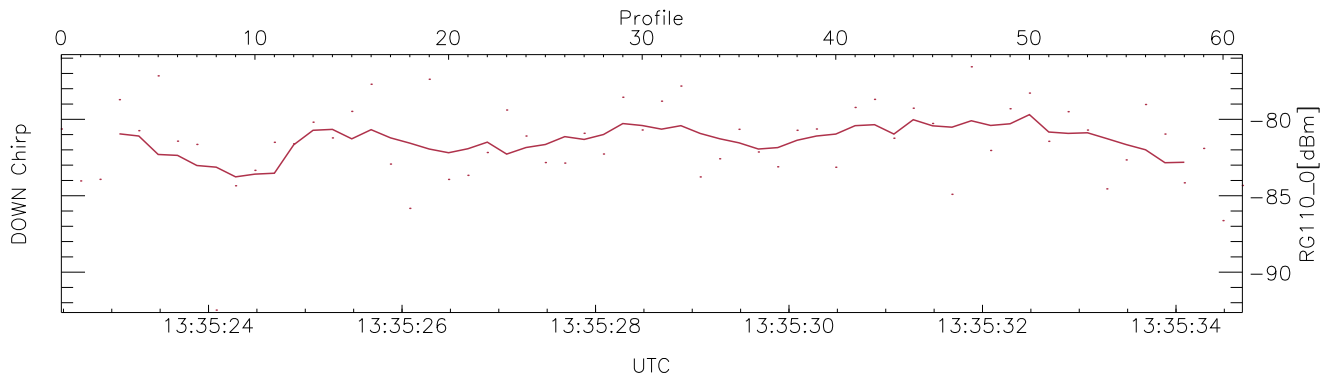
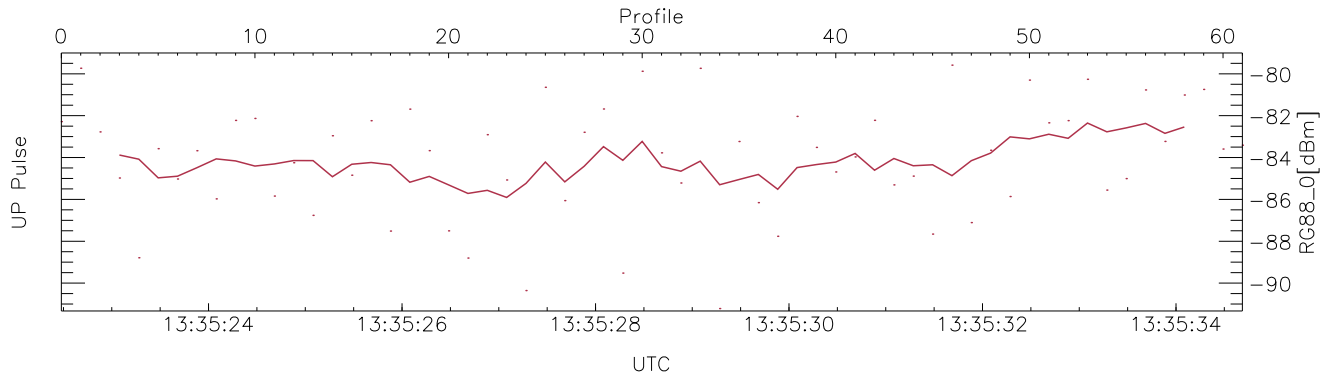
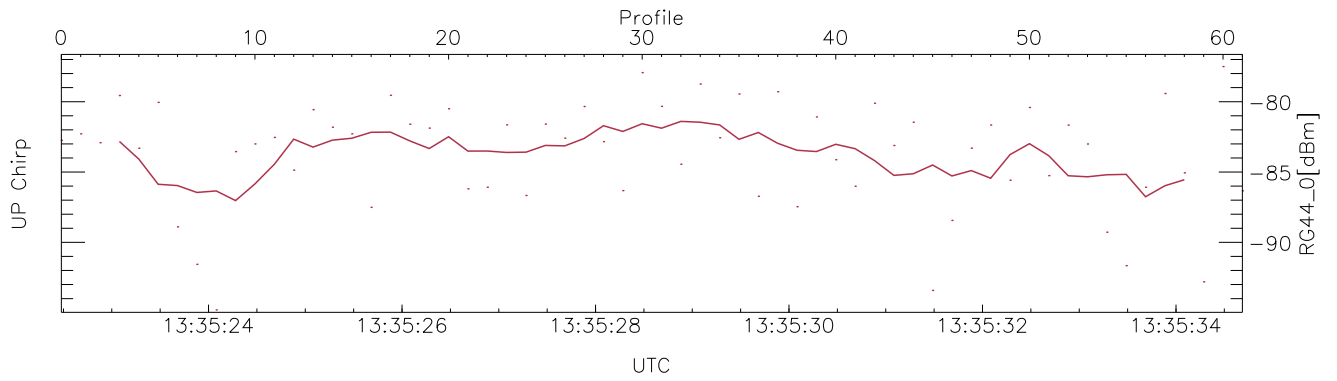
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG44_0	-66.75	-66.35	-66.54	-66.54	-83.69
UP_P_RG88_0	-67.99	-67.47	-67.74	-67.73	-84.13
DOWN_C_RG110_0	-65.36	-64.84	-65.08	-65.08	-81.06
DOWN_P_RG129_0	-66.28	-65.86	-66.07	-66.07	-82.75



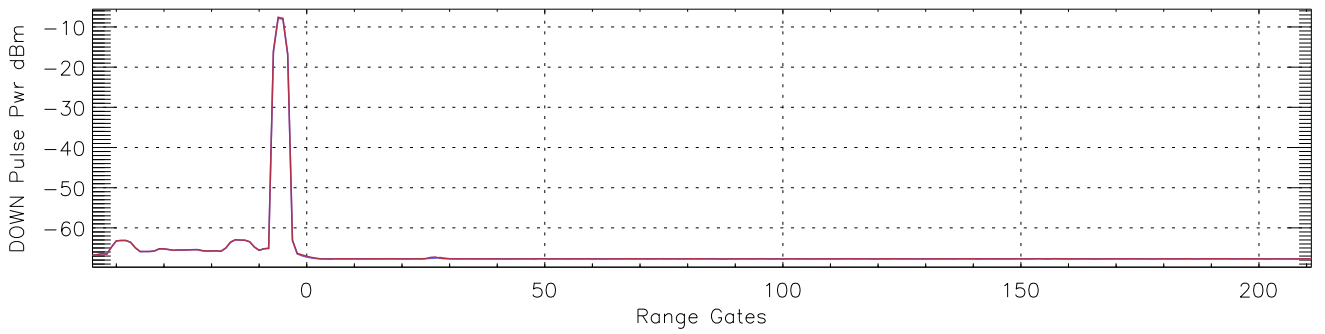
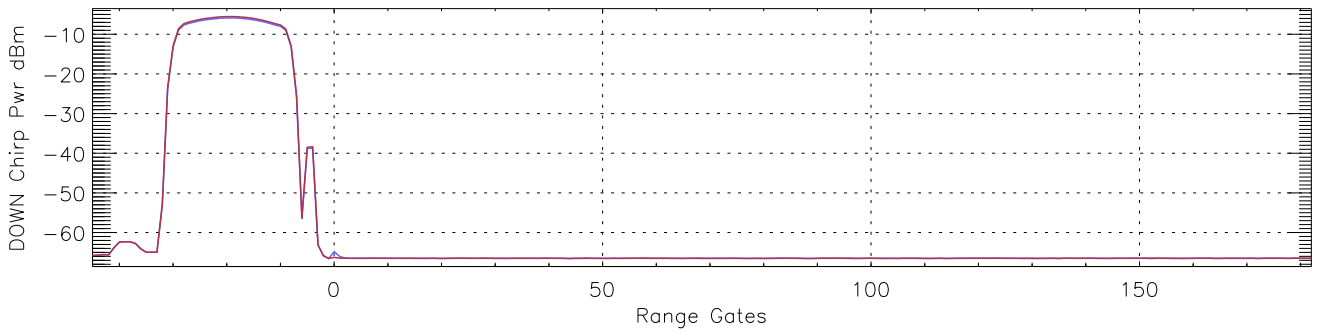
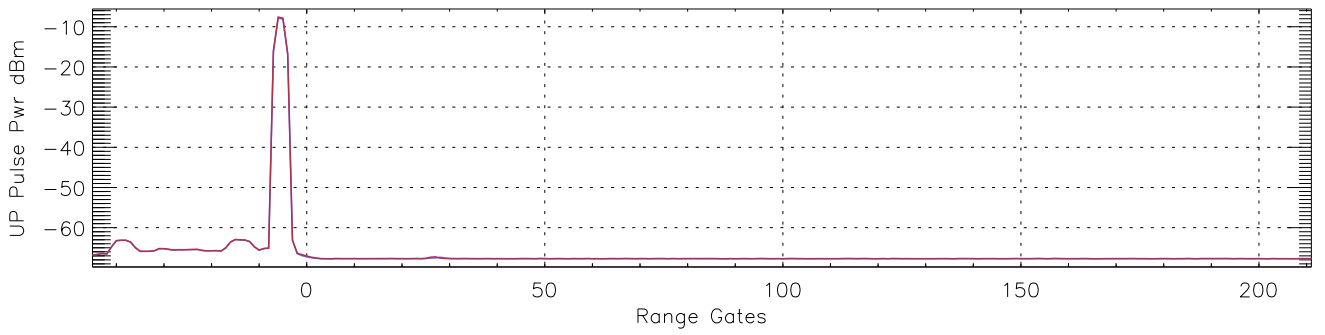
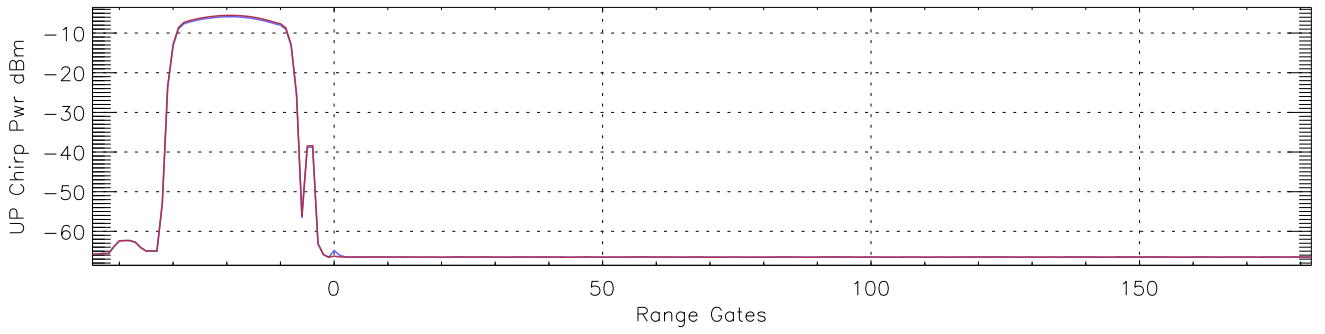
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-95.64	-78.84	-82.12	-82.06	-85.14
UP Pulse(dBm)	-92.22	-79.18	-83.03	-83.20	-85.96
DOWN Chirp(dBm)	-87.36	-76.62	-80.97	-81.14	-84.04
DOWN Pulse(dBm)	-95.59	-78.50	-81.57	-81.84	-84.68

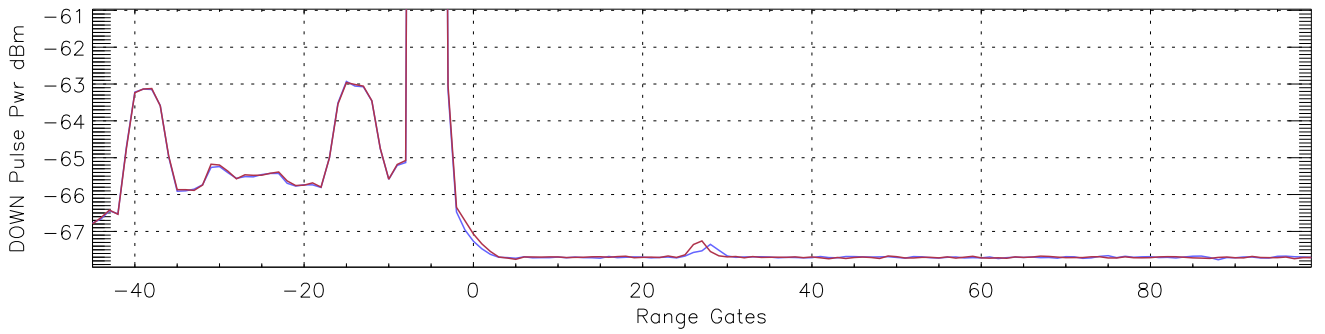
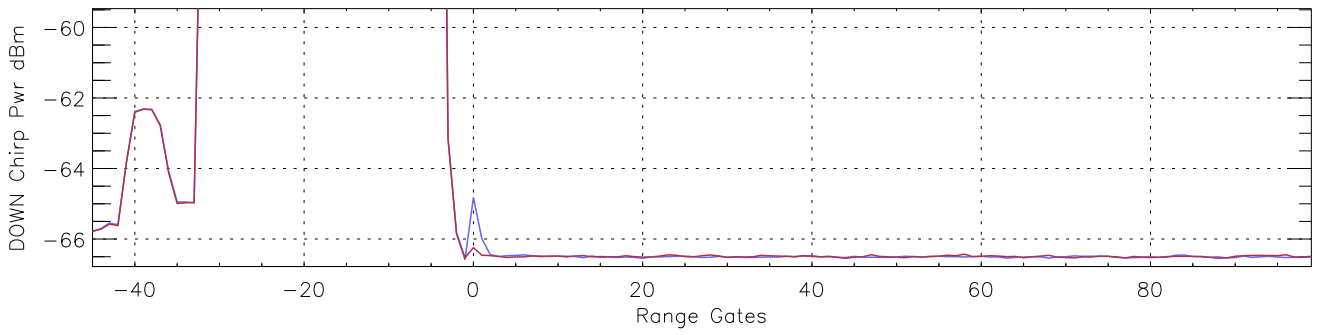
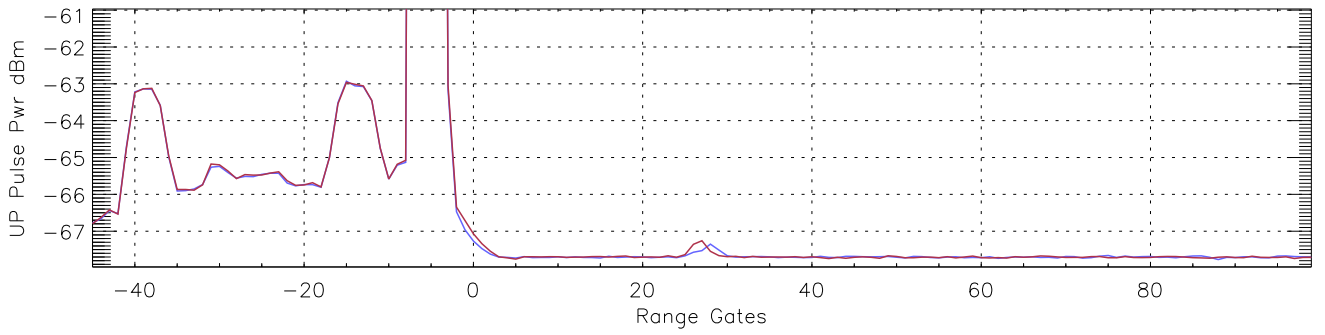
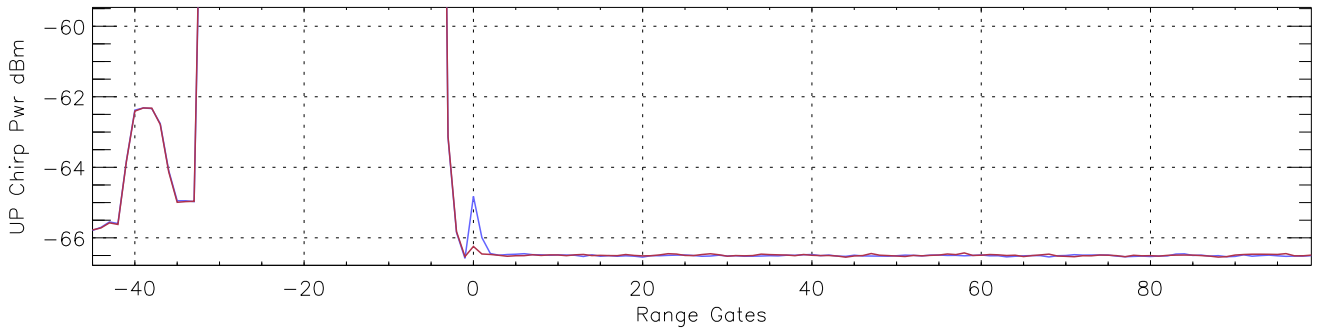


KPR SPP "Best" PPMAG noise (dBm):

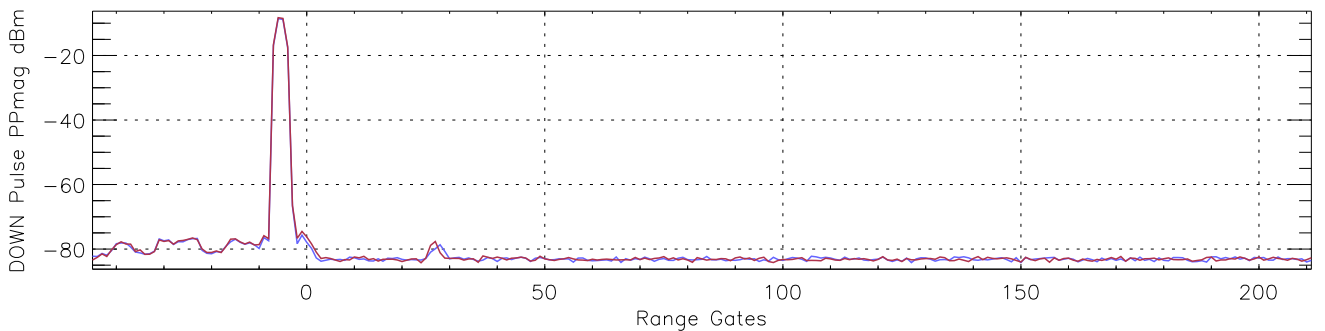
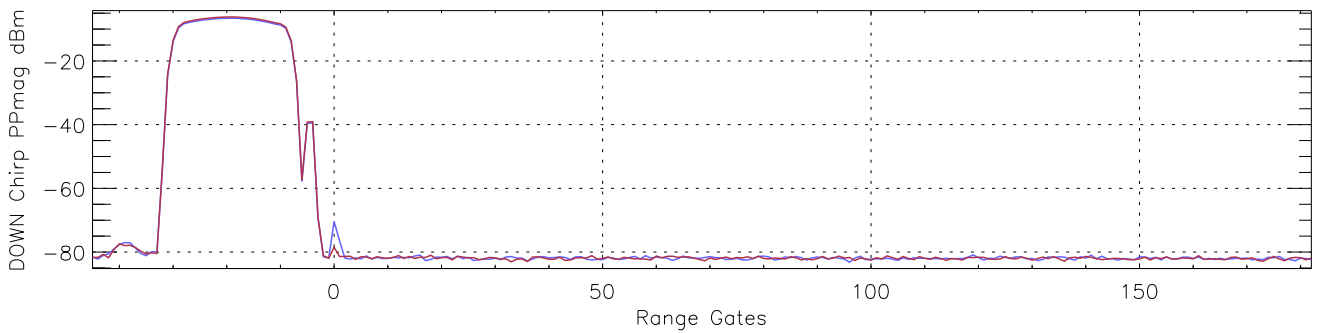
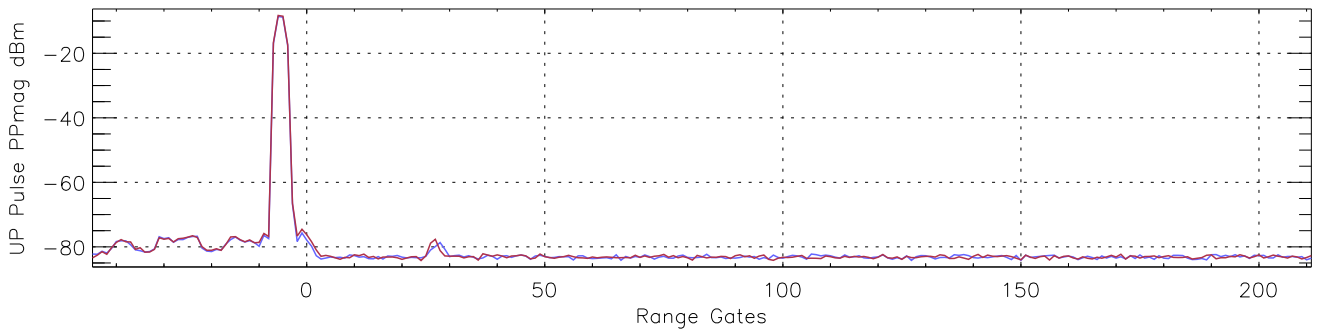
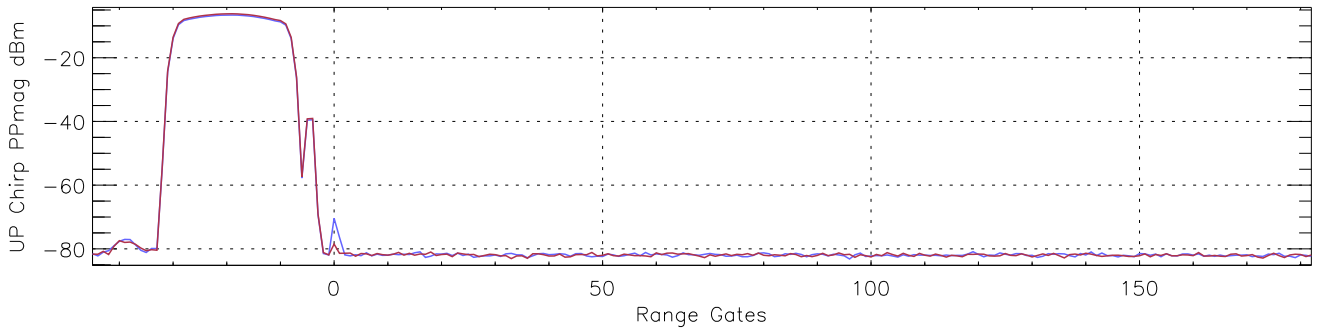
	Min	Max	Mean	Median	StDev
UP_C_RG44_0	-94.80	-77.50	-82.45	-82.84	-84.11
UP_P_RG88_0	-91.22	-79.59	-83.31	-83.65	-85.81
DOWN_C_RG110_0	-92.48	-76.56	-80.83	-81.24	-83.51
DOWN_P_RG129_0	-91.02	-78.03	-81.25	-81.81	-84.43



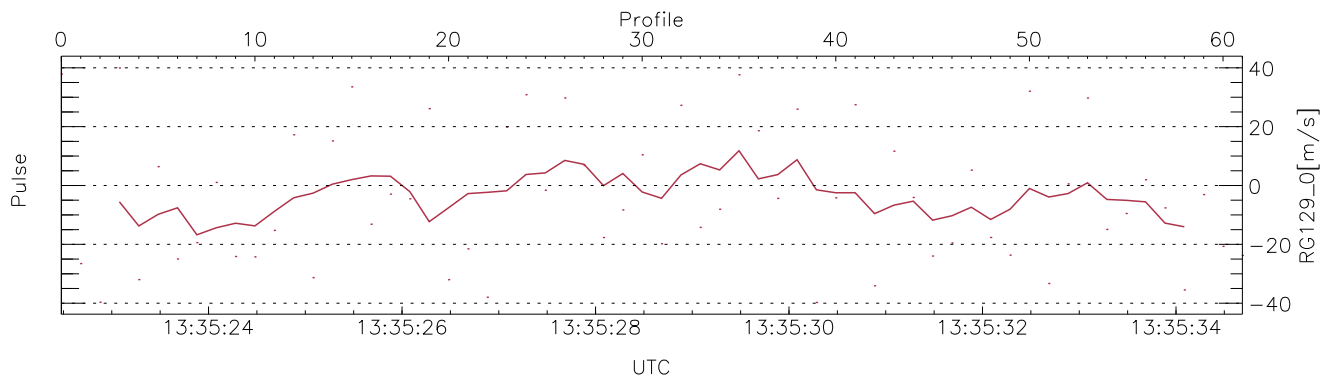
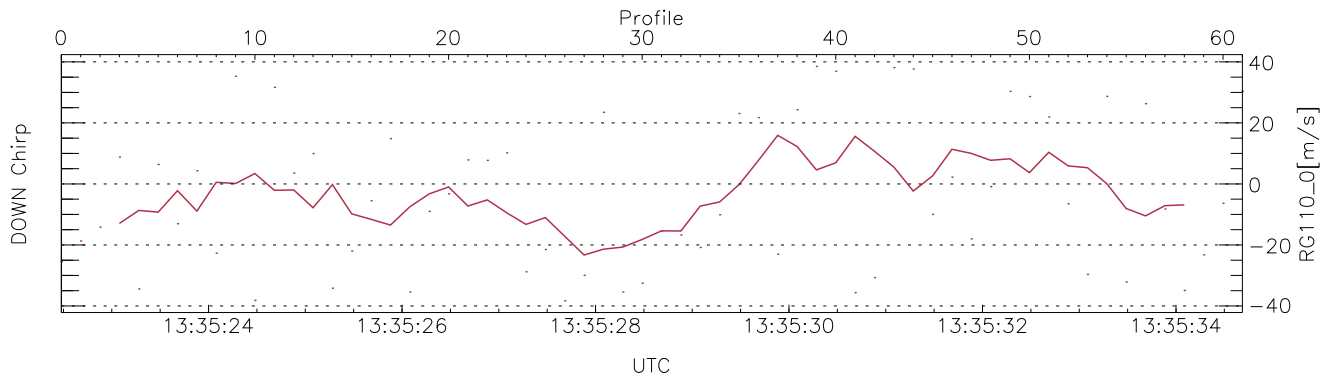
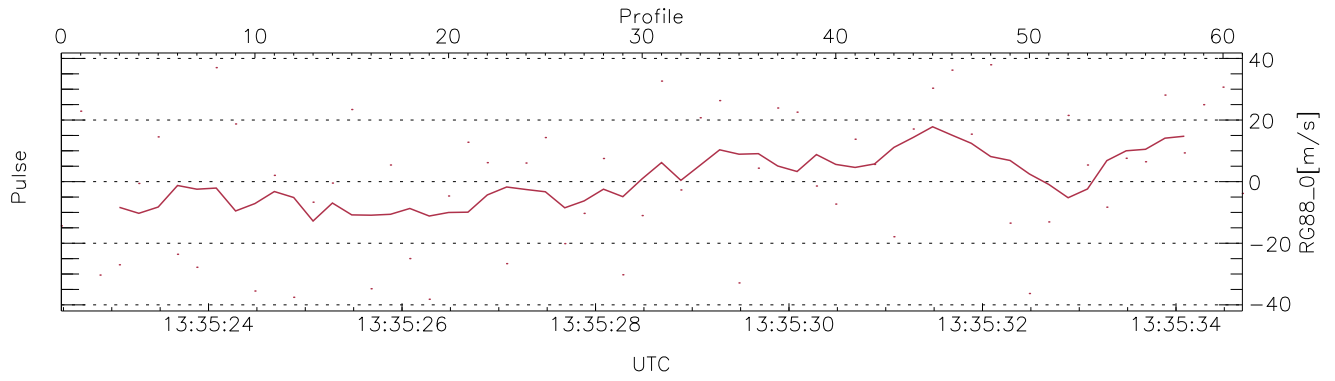
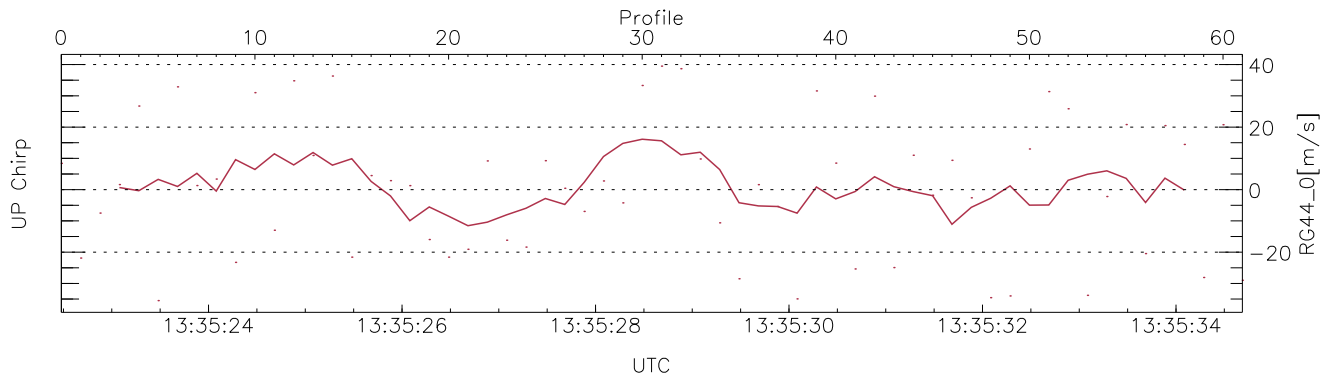
KPR SPP Averaged Received power for all recorded gates
blue: 133522-133528, 32 profiles averaged
red: 133528-133535, 31 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 133522-133528, 32 profiles averaged
red: 133528-133535, 31 profiles averaged

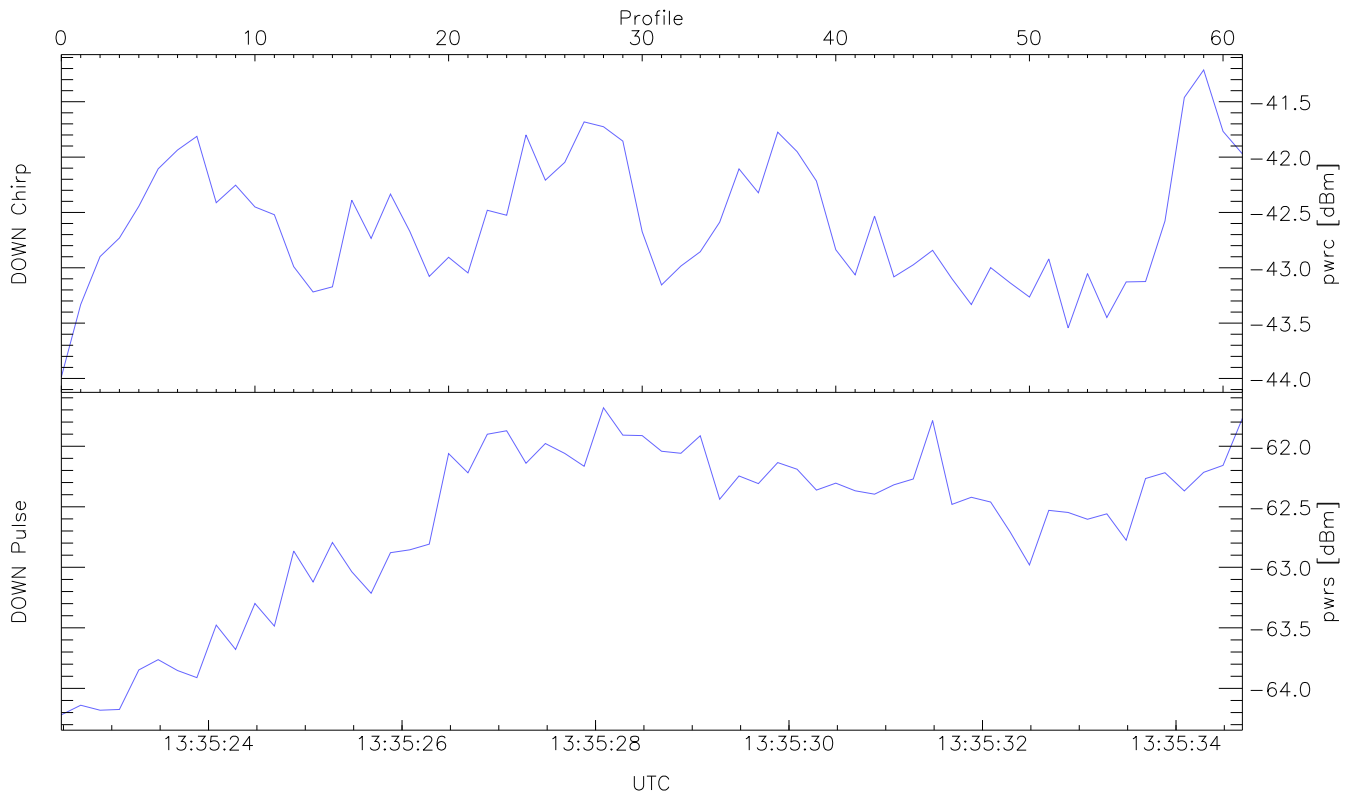
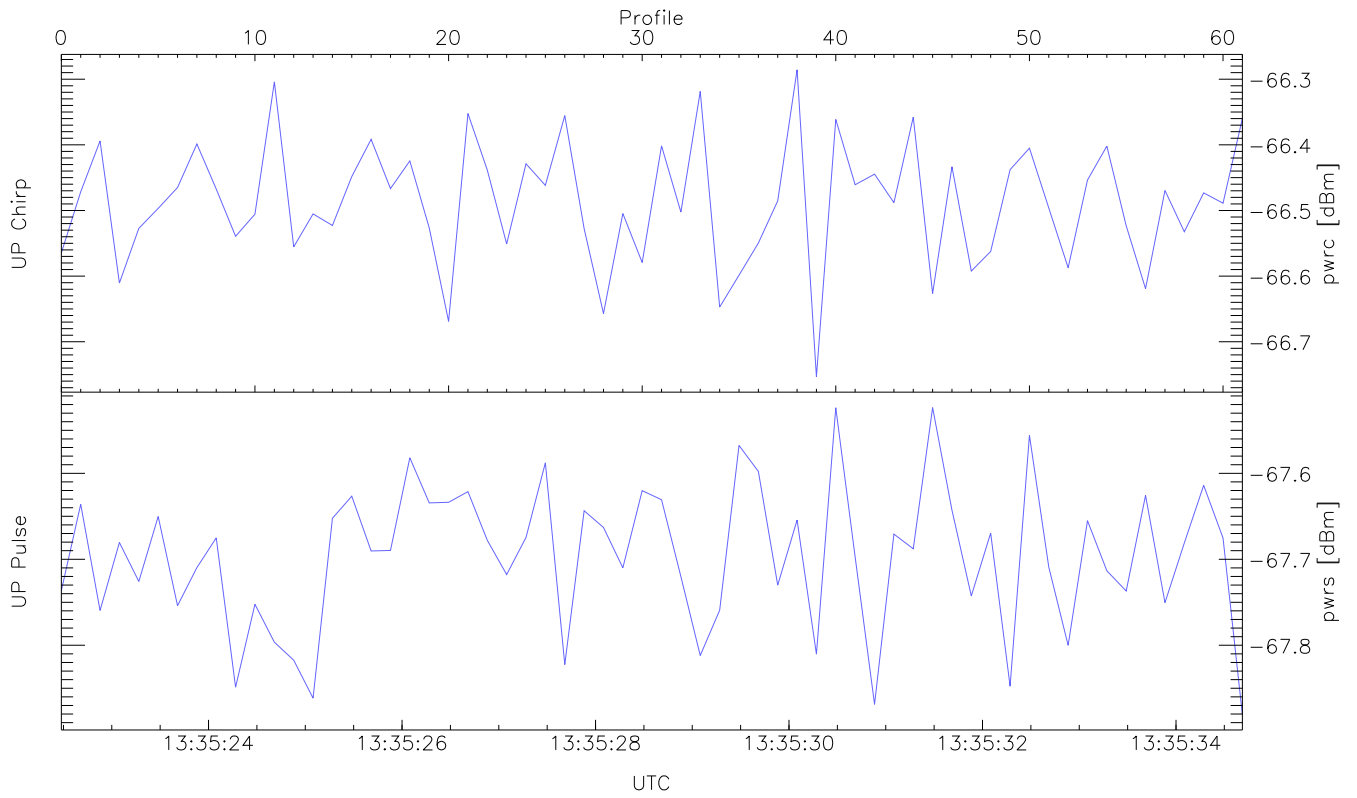


KPR SPP Averaged PP magnitude for all recorded gates
blue: 133522-133528, 32 profiles averaged
red: 133528-133535, 31 profiles averaged



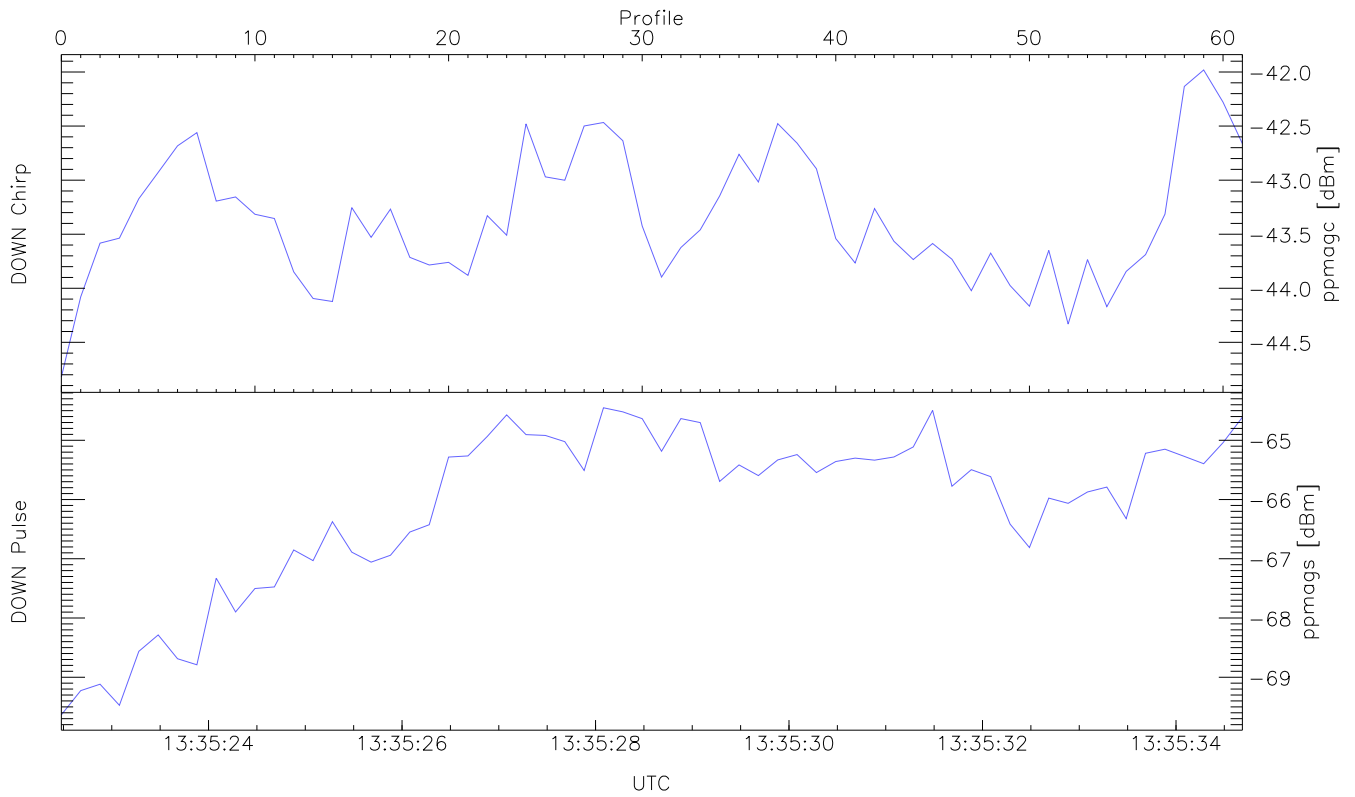
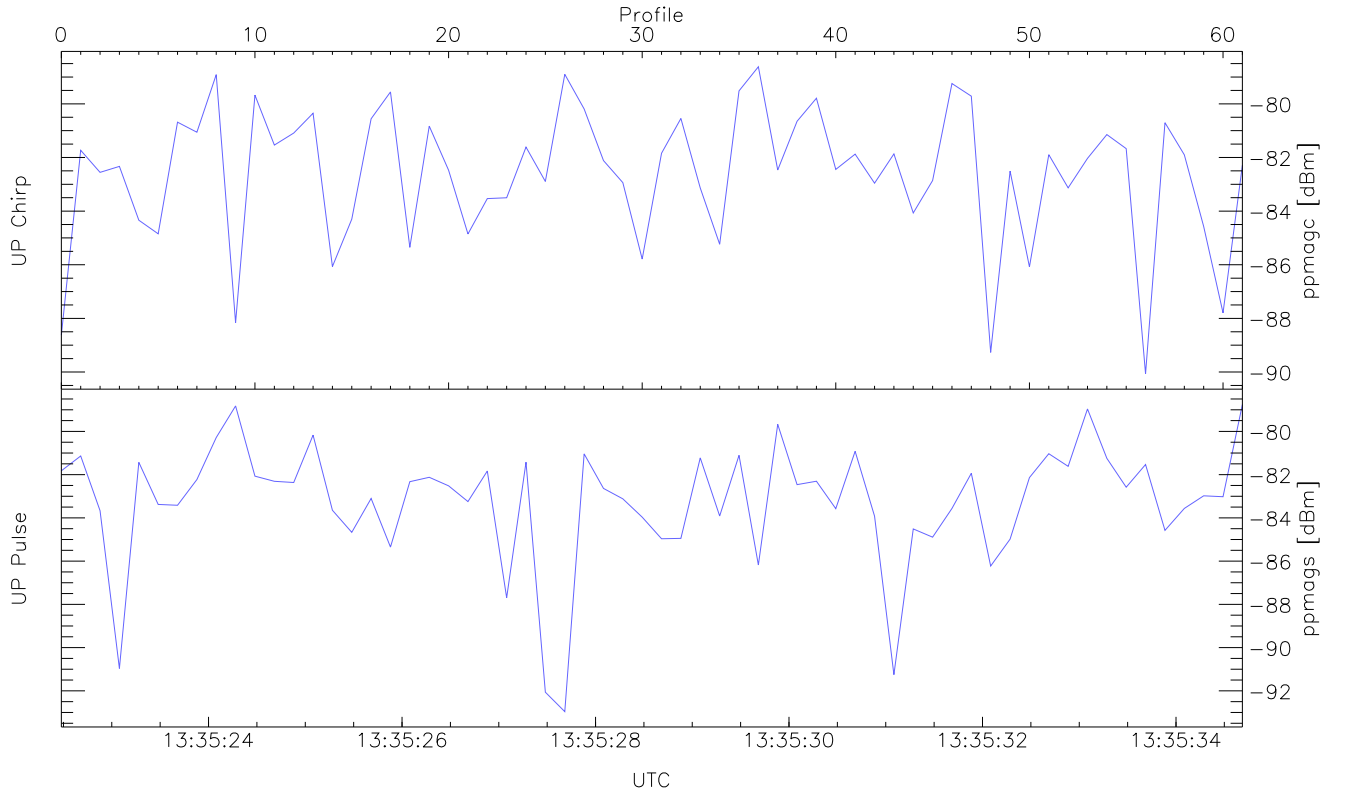
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG44_0	-35.50	39.50	0.58	1.58	21.68
UP_P_RG88_0	-38.18	37.95	0.80	5.40	21.60
DOWN_C_RG110_0	-38.32	38.54	-3.74	-6.50	24.16
DOWN_P_RG129_0	-39.74	39.95	-3.97	-4.53	22.74



KPR SPP Received Power for Chirp Range gate 10 (1308.3 m)
 KPR SPP Received Power for Pulse Range gate 10 (466.6 m)

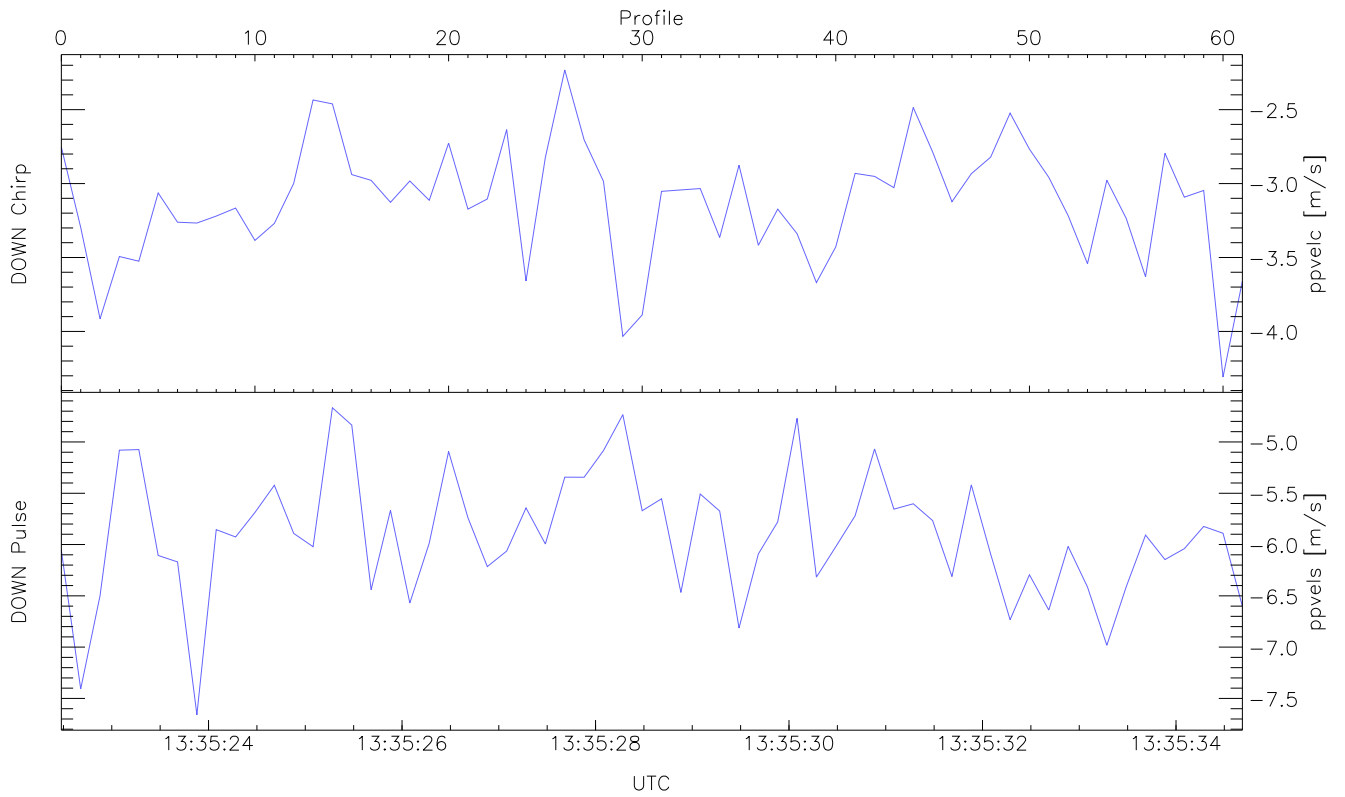
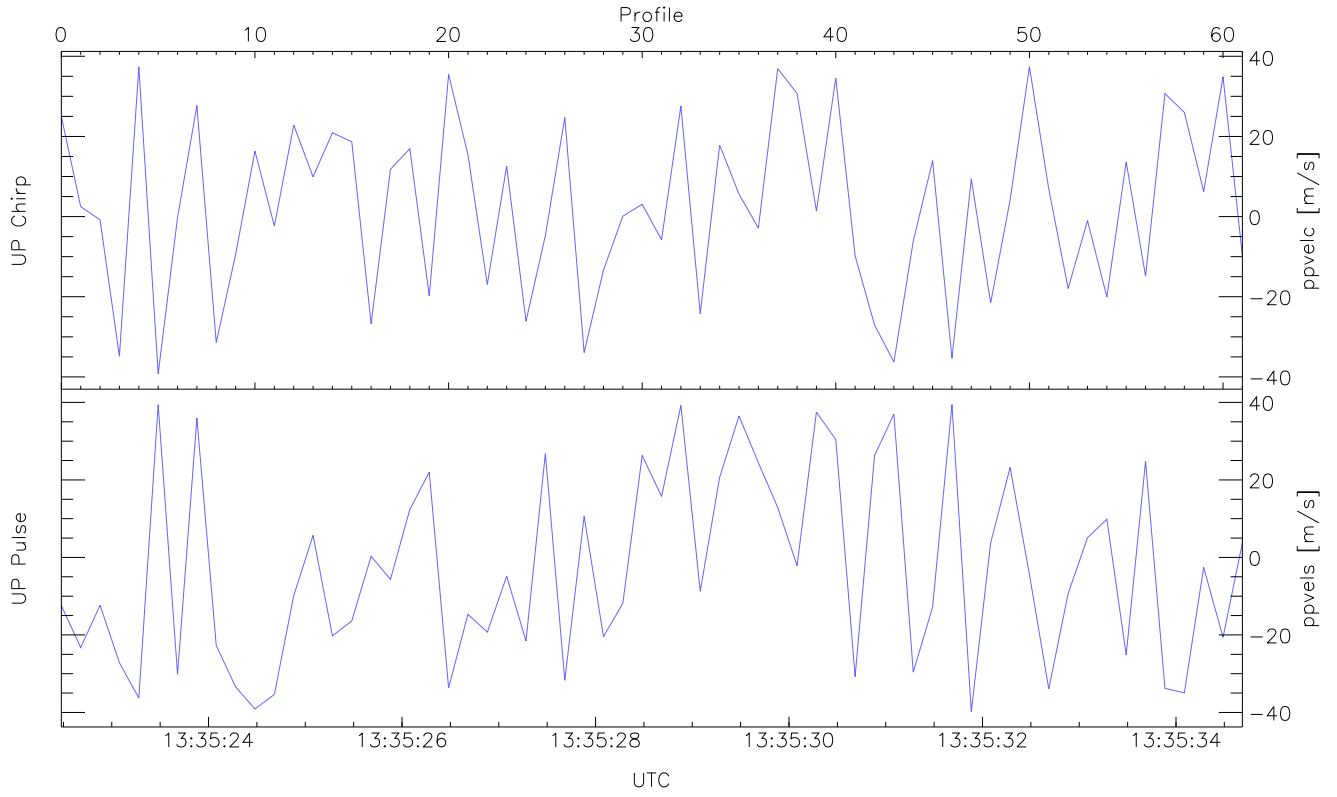
	Min	Max	Mean
UP Chirp(dBm)	-66.75	-66.29	-66.49
UP Pulse(dBm)	-67.88	-67.52	-67.70
DOWN Chirp(dBm)	-43.99	-41.21	-42.57
DOWN Pulse(dBm)	-64.22	-61.68	-62.59



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

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

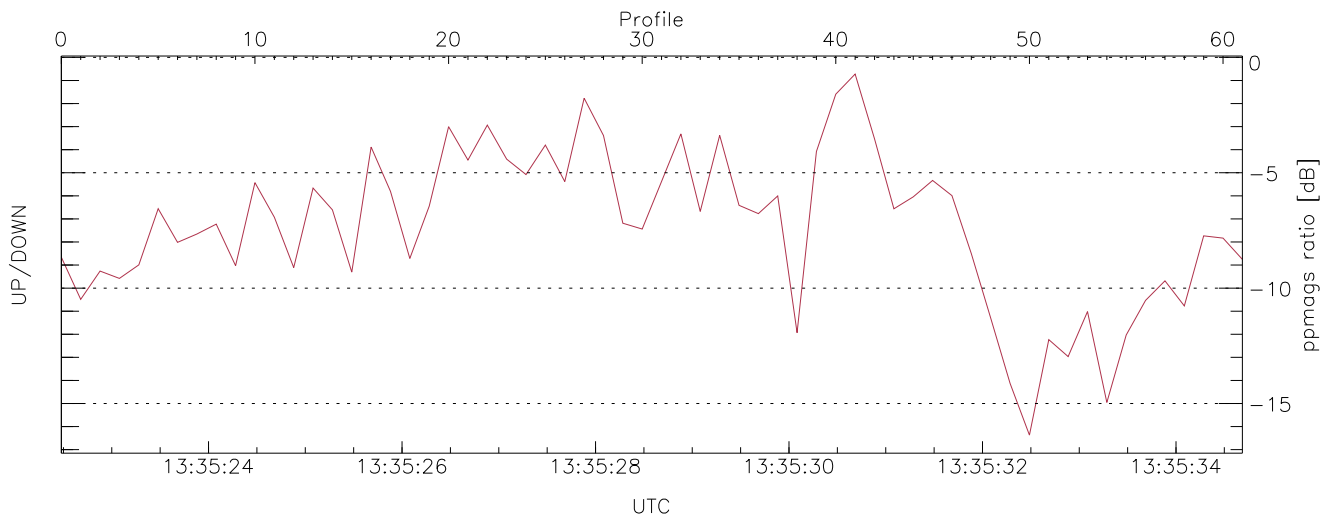
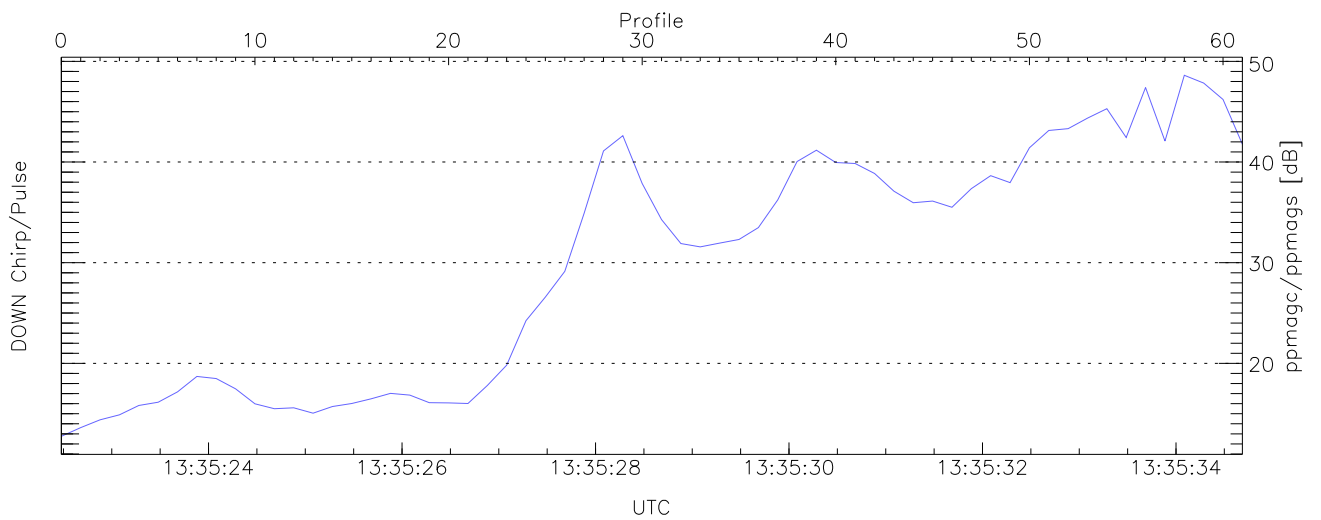
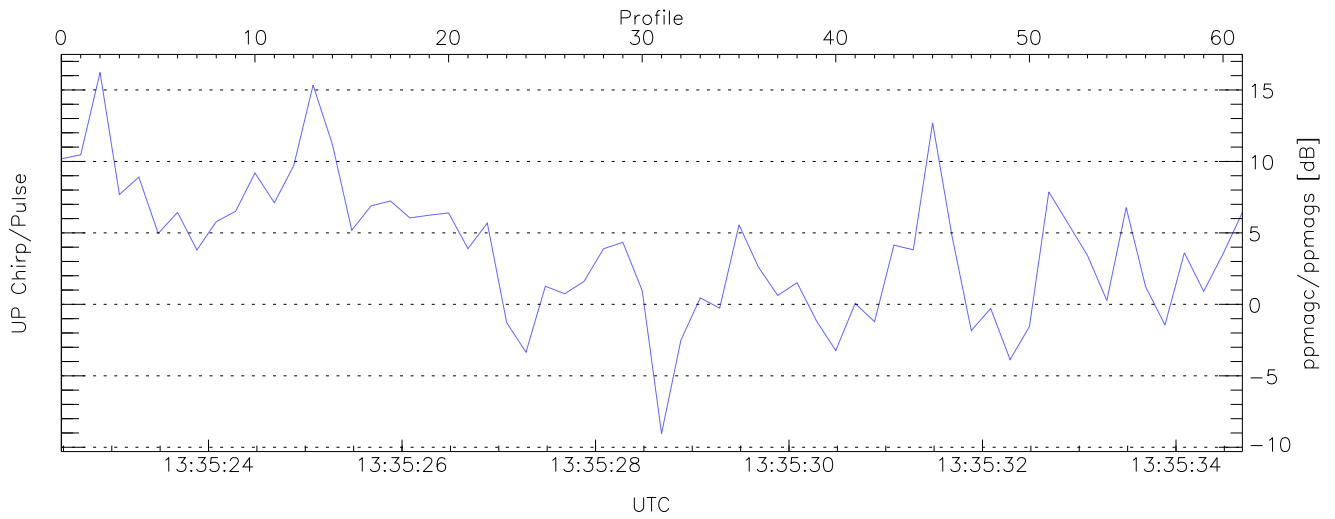
	Min	Max	Mean
UP Chirp(dBm)	-90.07	-78.62	-81.99
UP Pulse(dBm)	-92.96	-78.76	-82.56
DOWN Chirp(dBm)	-44.82	-41.98	-43.33
DOWN Pulse(dBm)	-69.63	-64.45	-65.92



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)	-39.24	37.38	2.36
UP Pulse(m/s)	-39.79	39.45	-3.24
DOWN Chirp(m/s)	-4.31	-2.23	-3.13
DOWN Pulse(m/s)	-7.66	-4.67	-5.91



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-9.04	16.22	6.58
DOWN Chirp/Pulse(dBm)	12.76	48.62	39.40
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-16.37	-0.72	-6.22