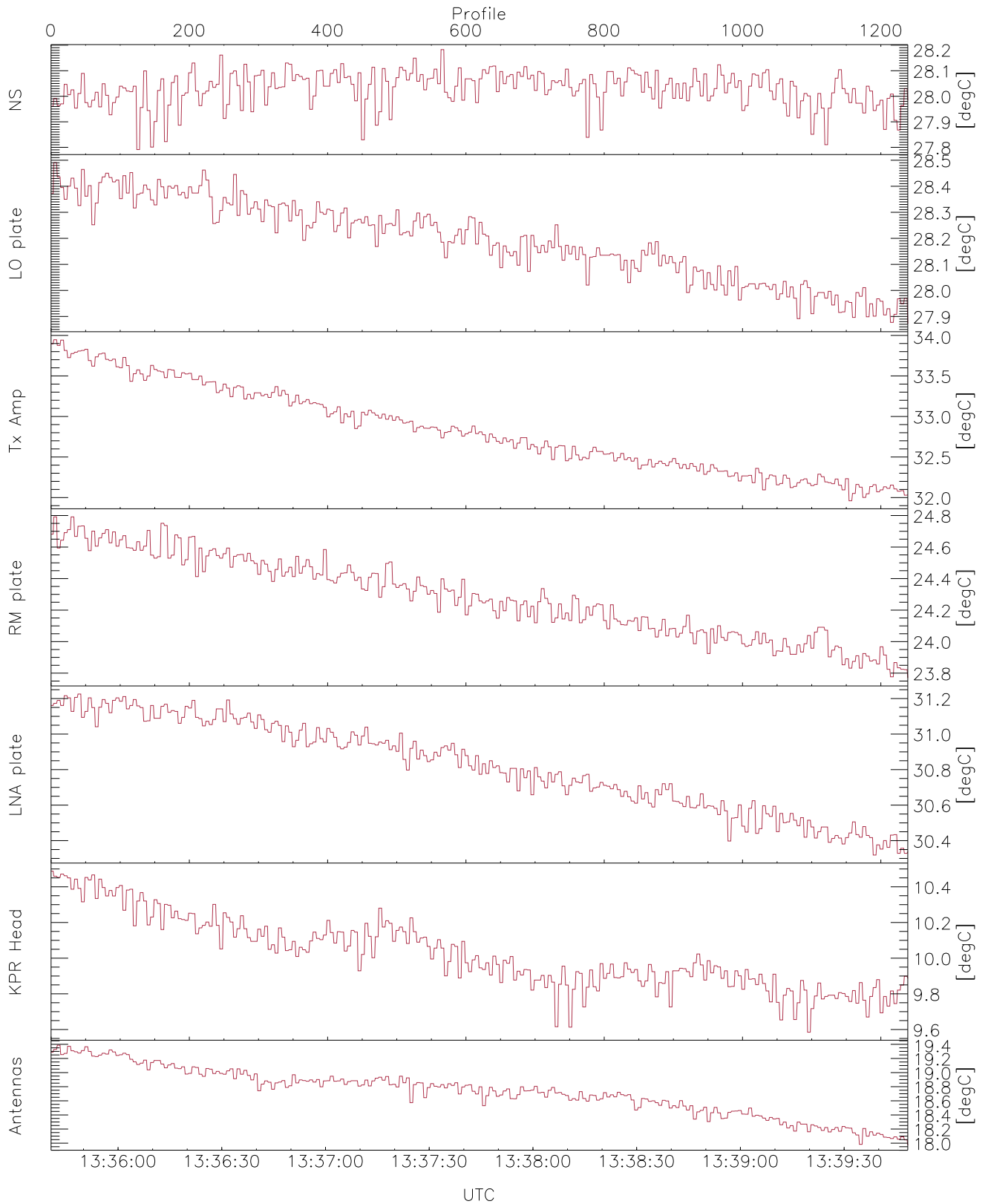


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 13:35:41-13:39:48, TimeCor: 0.00s, Dur: 247.80s
 TimeInt(min,max,mn,std): 185.2,214.8,200.0,1.0 ms; PPS: 5.0
 NumRec(r/t): 1240/1240, 0-1239/13:35:41-13:39:48
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.8 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, avgPulses: 2000, avgPP: 1000
 NyquistVel: 42.1 m/s, RangeRes:30.0 m
 Pulse Range(min,max): 120, 6506 m, Gates: 427
 Chirp Range(min,max): 536, 6502 m, Gates: 399
 RangeGateSampling: 15.0 m, Aspect: 0.8

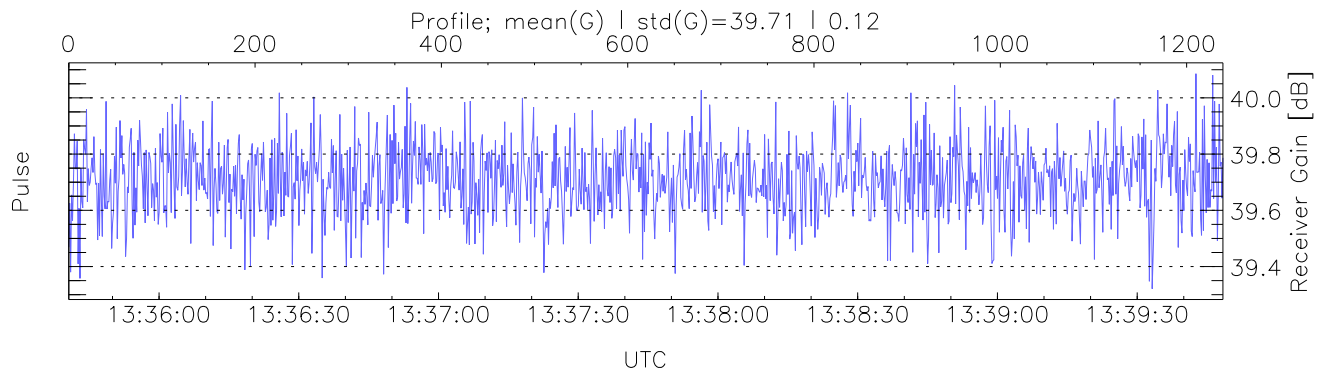
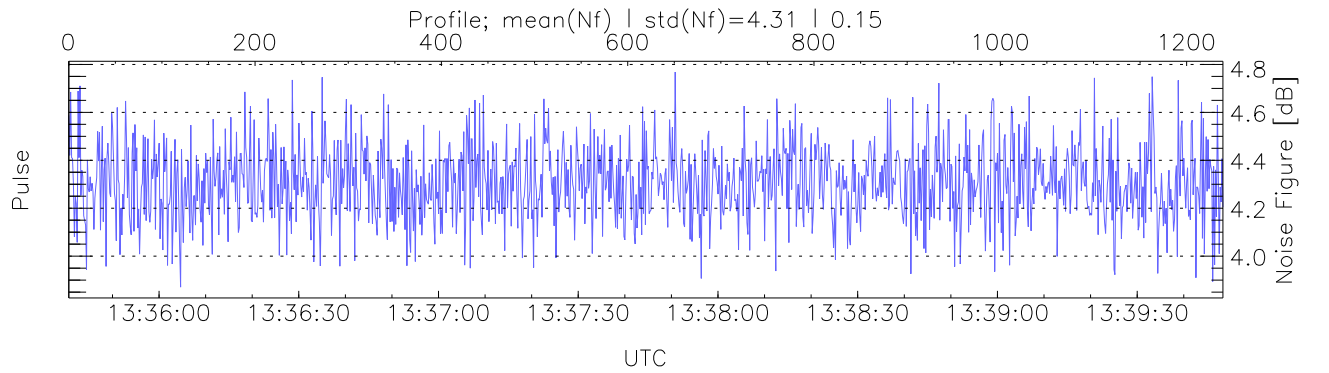
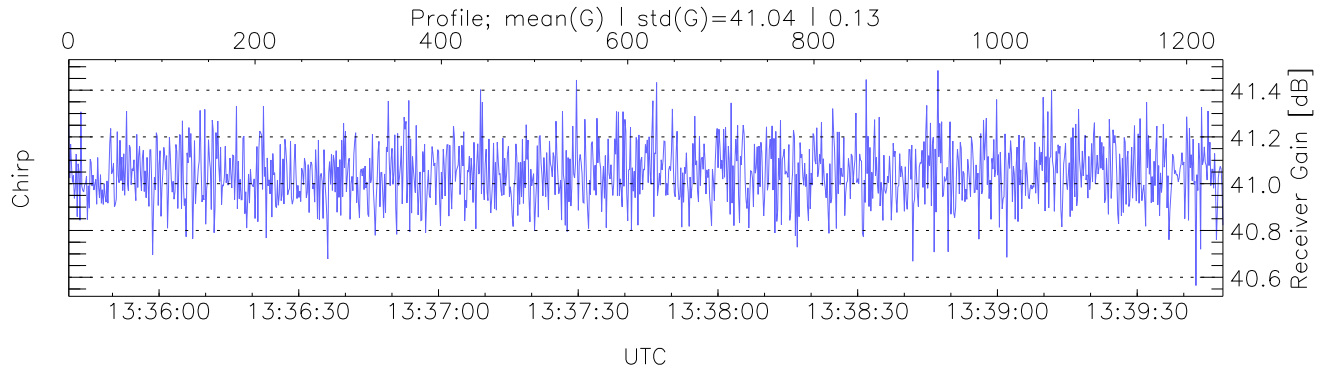
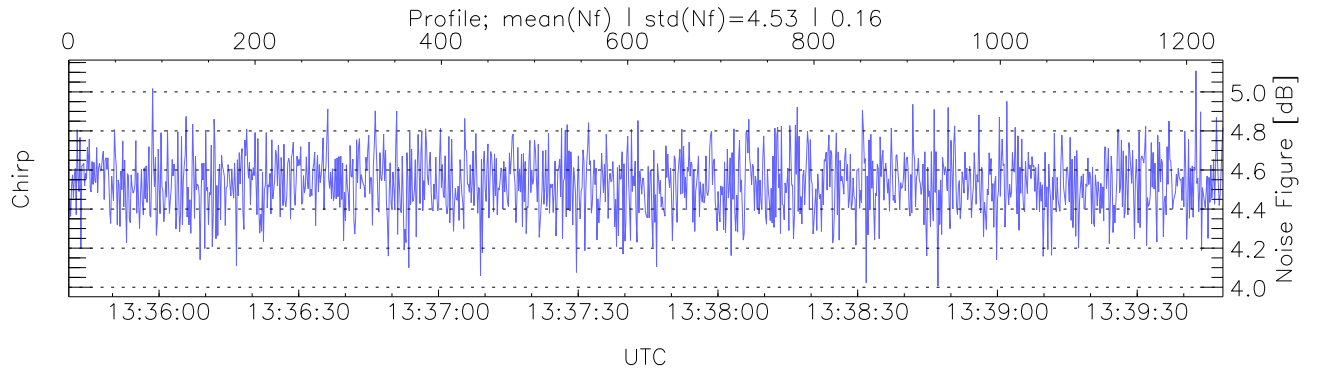


KPR SPP Temperatures, Power Supplies, PLO lock:

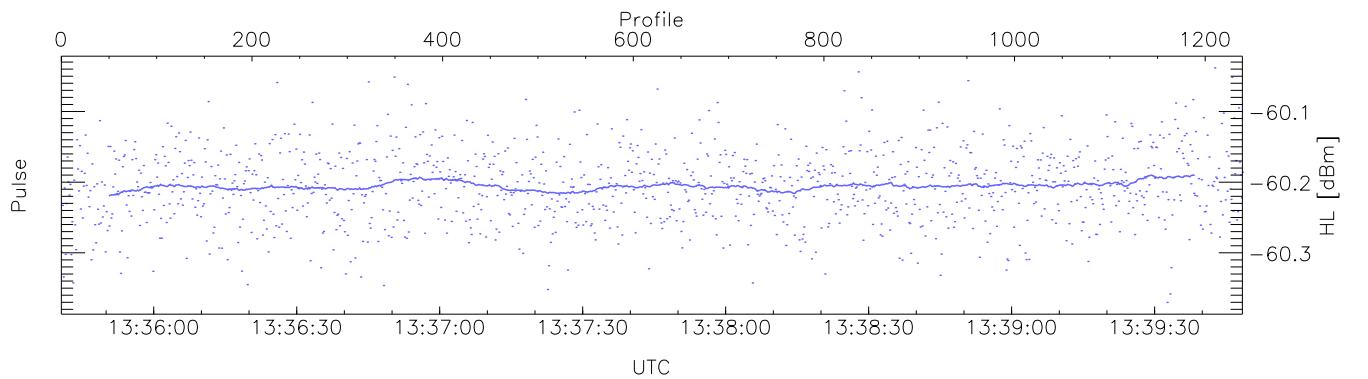
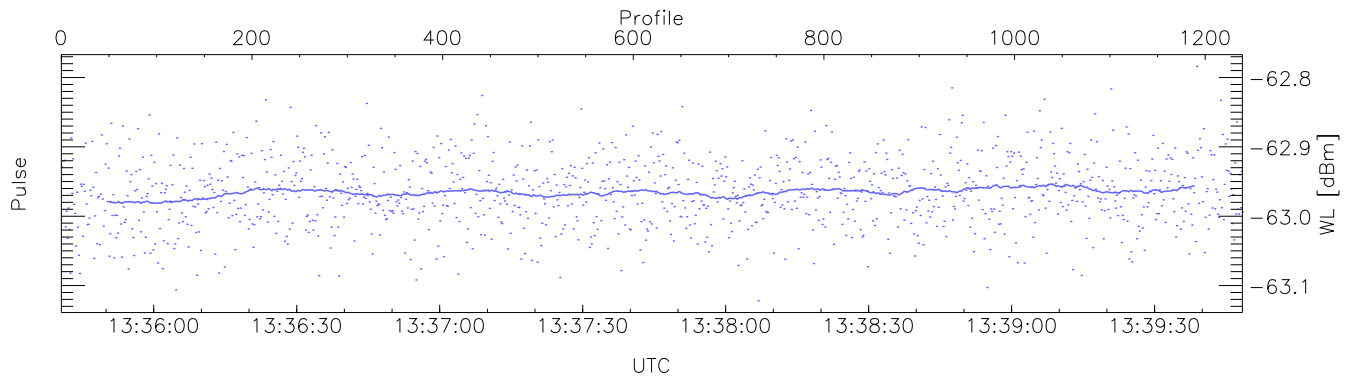
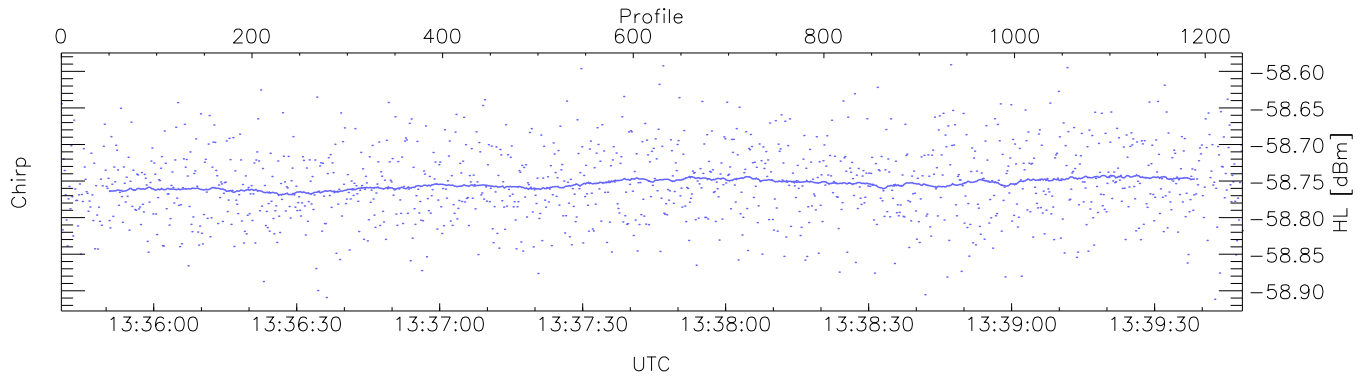
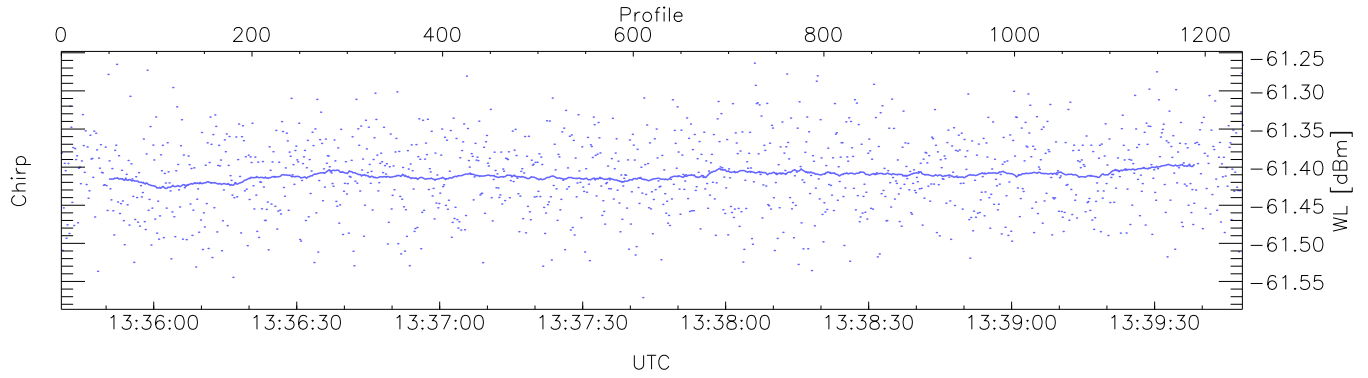
mintempC: 27.8, 27.9, 32.0, 23.8, 30.3, 9.6, 18.0
 maxtempC: 28.2, 28.5, 33.9, 24.8, 31.2, 10.5, 19.4

minVDC: 26.24, 11.72, 7.84, 5.21
 maxVDC: 27.66, 11.77, 7.87, 5.23

PLO(3.84,15.84 GHz) unlocked: None

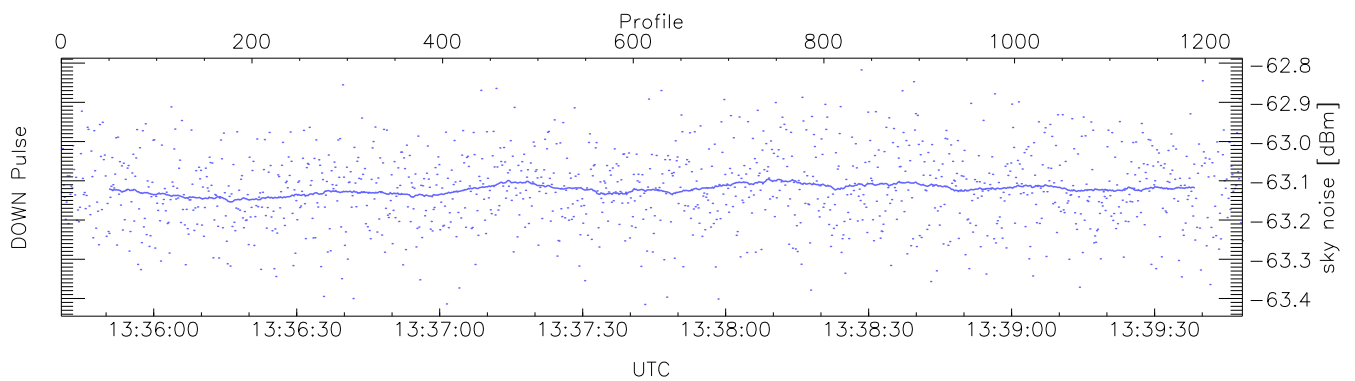
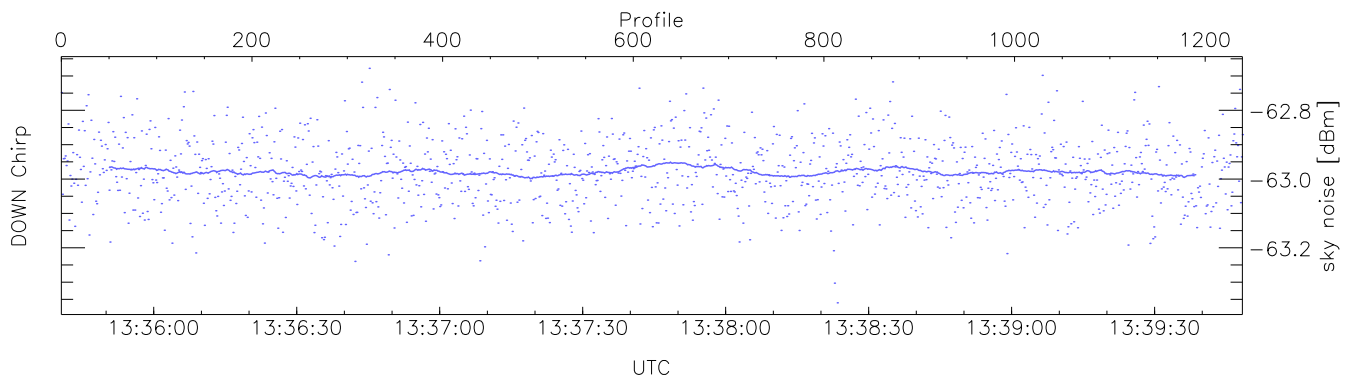
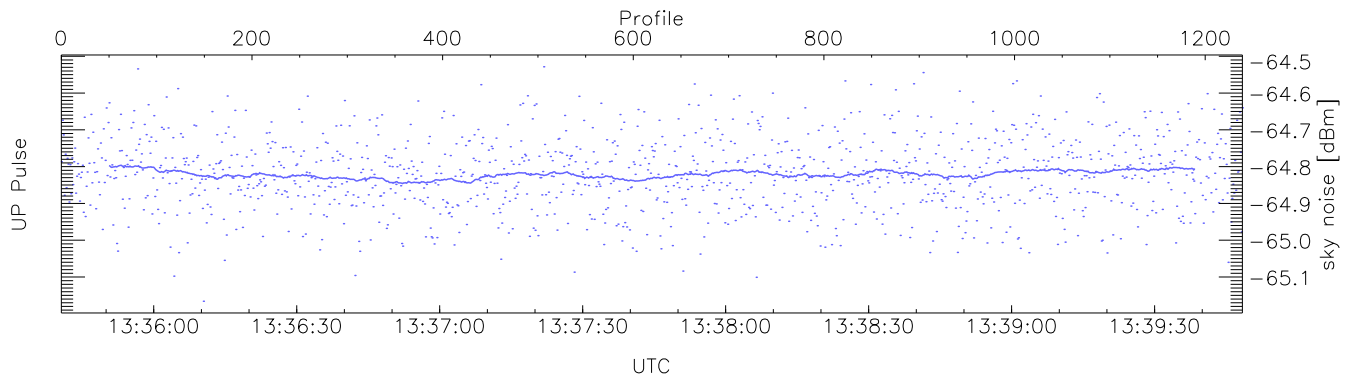
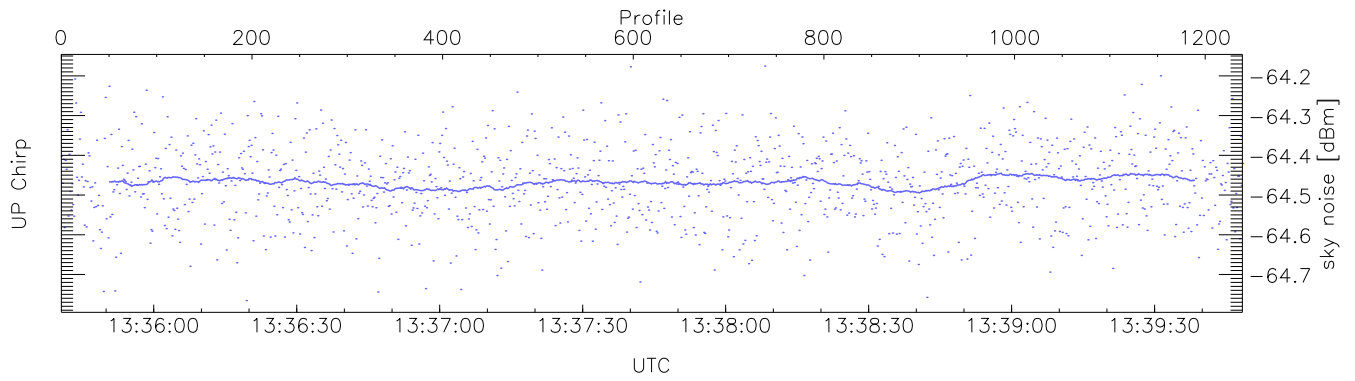


KPR SPP Receiver Gain and Noise Figure



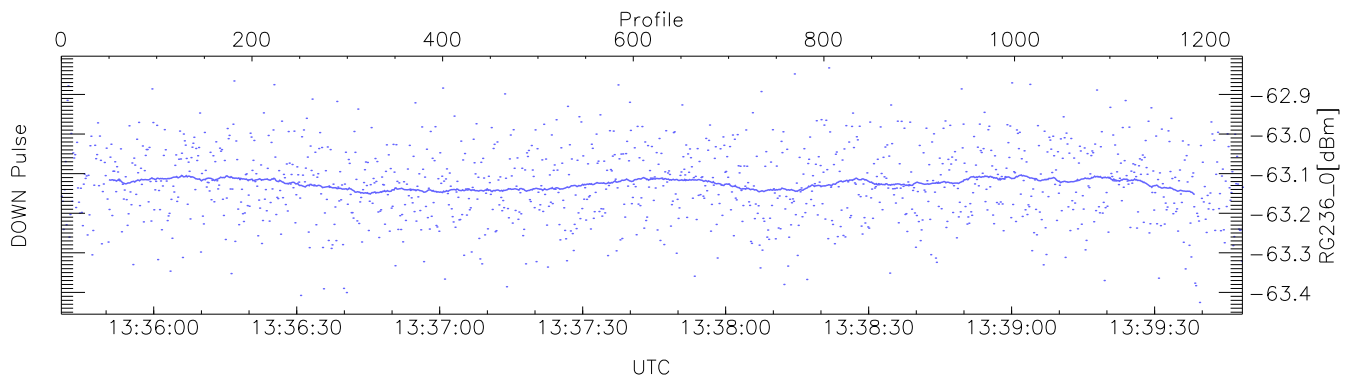
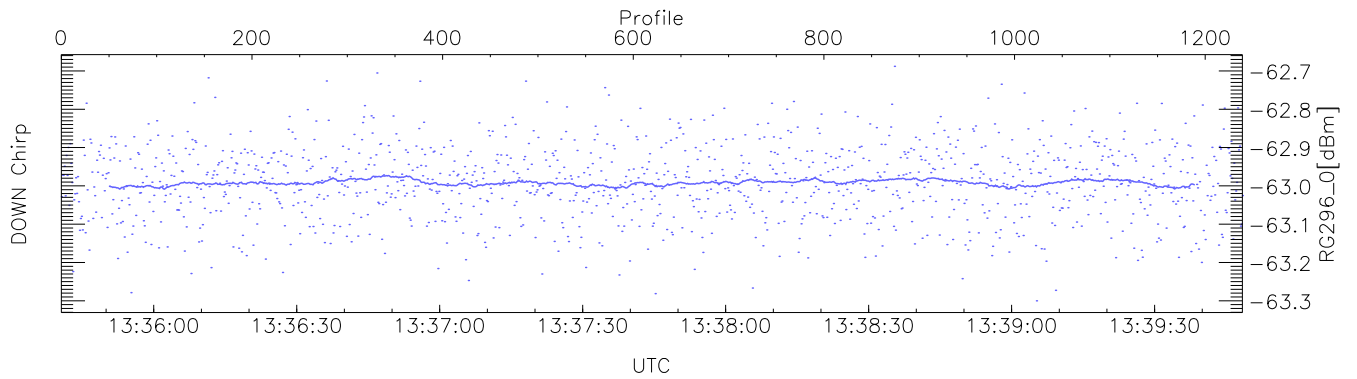
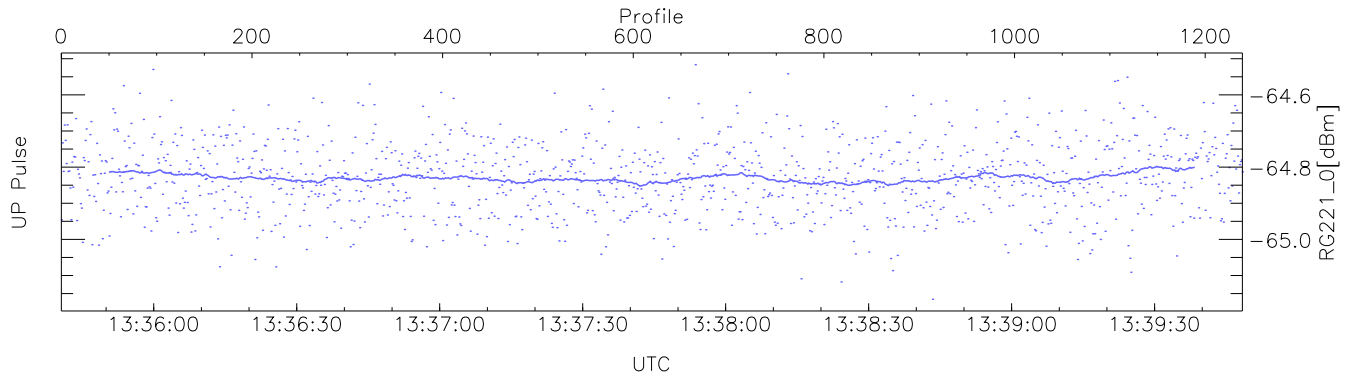
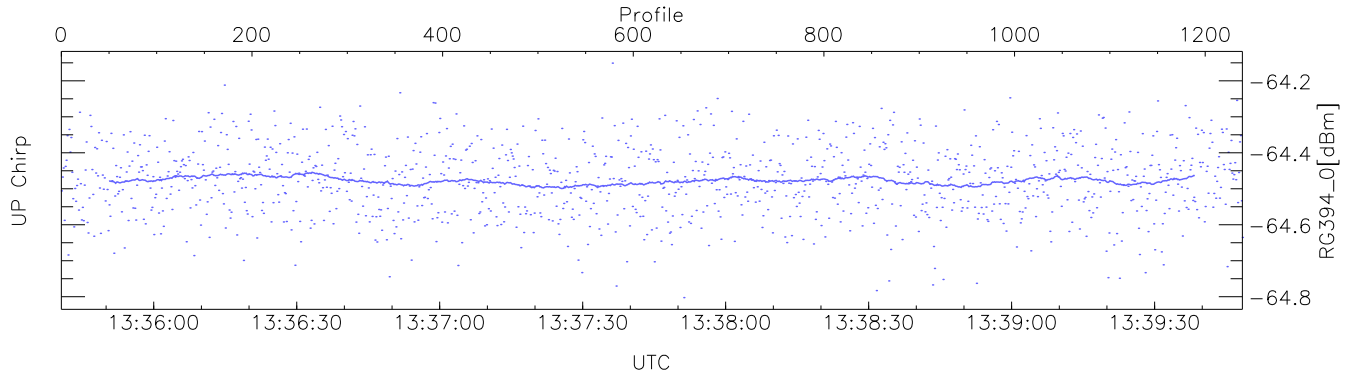
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-61.57	-61.26	-61.41	-61.41	-80.79
Chirp(HL [dBm])	-58.91	-58.59	-58.75	-58.76	-78.08
Pulse(WL [dBm])	-63.12	-62.78	-62.97	-62.97	-82.44
Pulse(HL [dBm])	-60.37	-60.04	-60.21	-60.20	-79.51



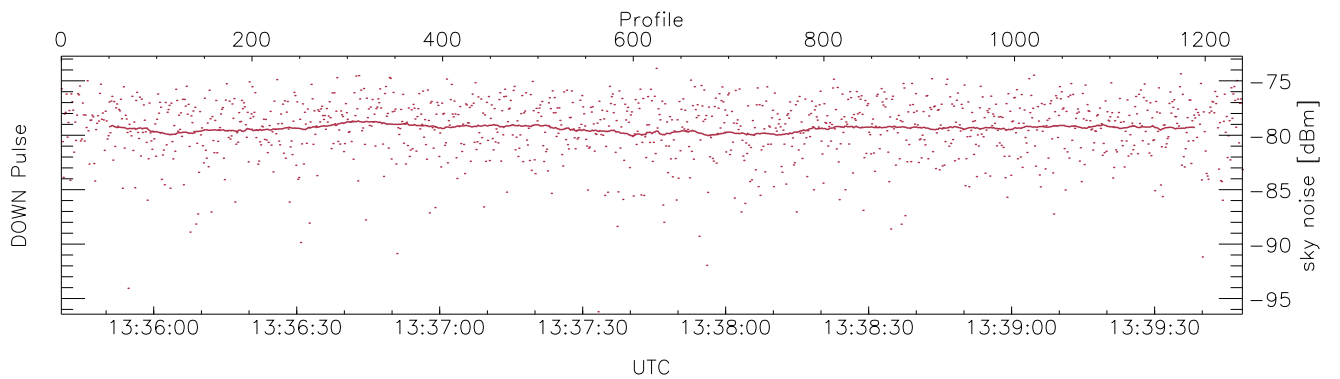
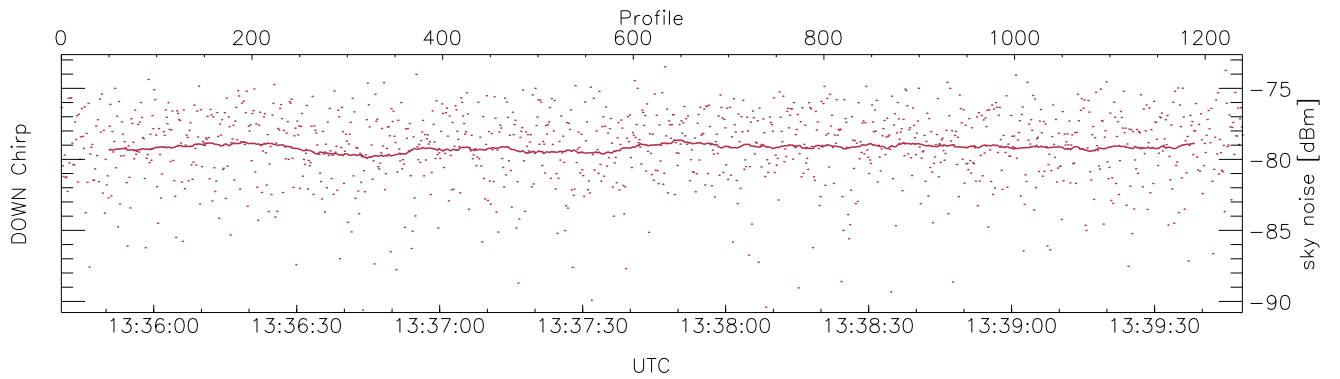
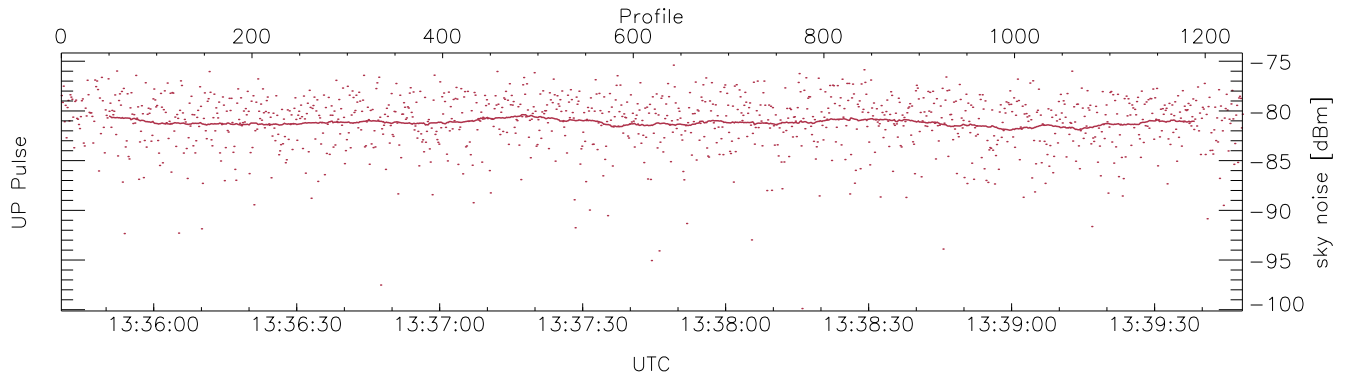
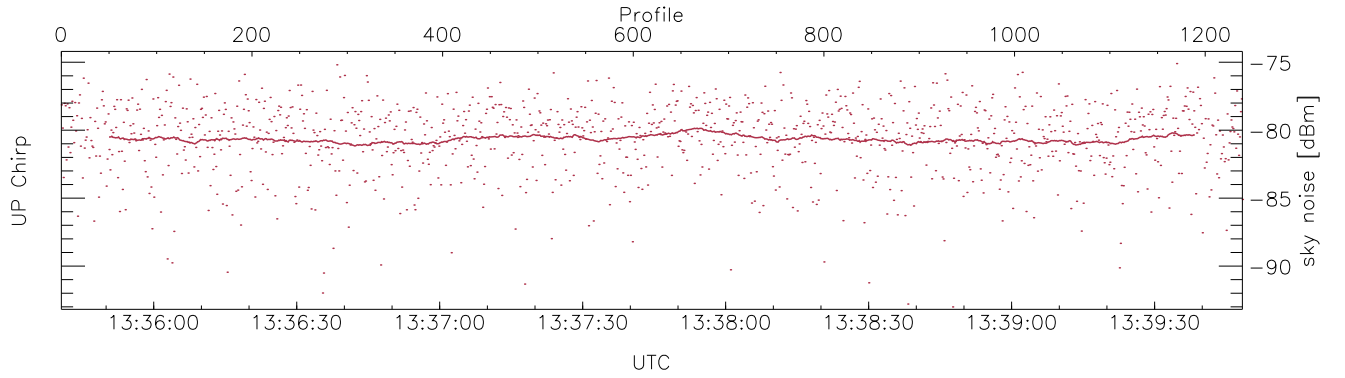
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.77	-64.18	-64.47	-64.46	-81.14
UP Pulse(dBm)	-65.17	-64.53	-64.82	-64.82	-81.27
DOWN Chirp(dBm)	-63.36	-62.68	-62.98	-62.98	-79.54
DOWN Pulse(dBm)	-63.42	-62.82	-63.12	-63.12	-79.60



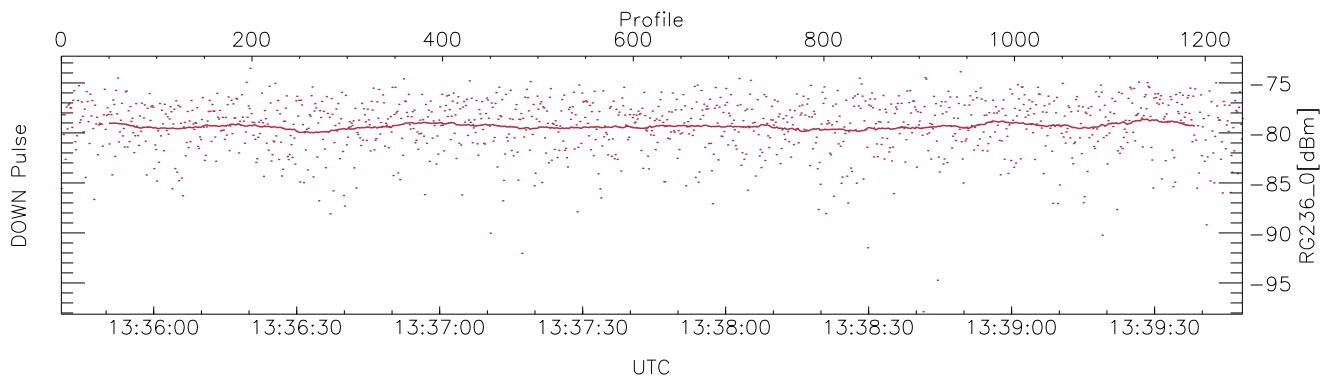
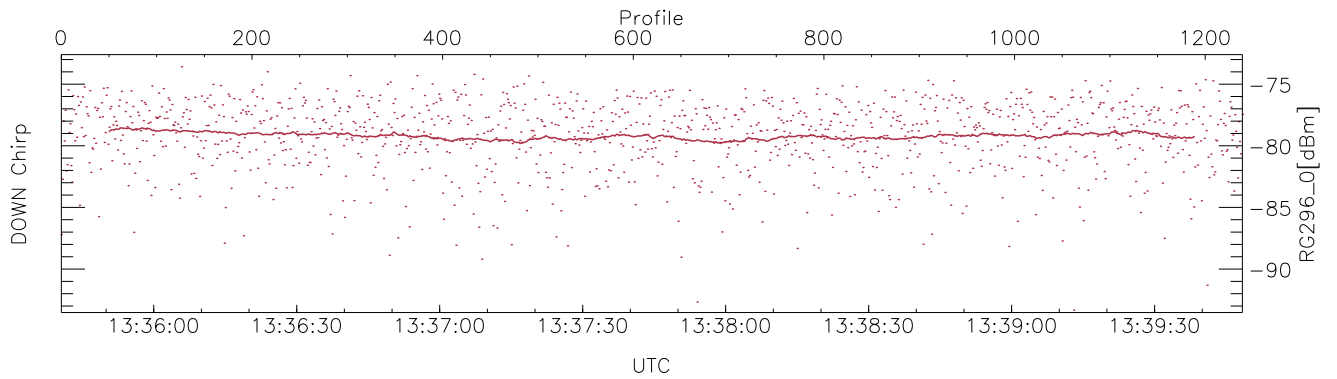
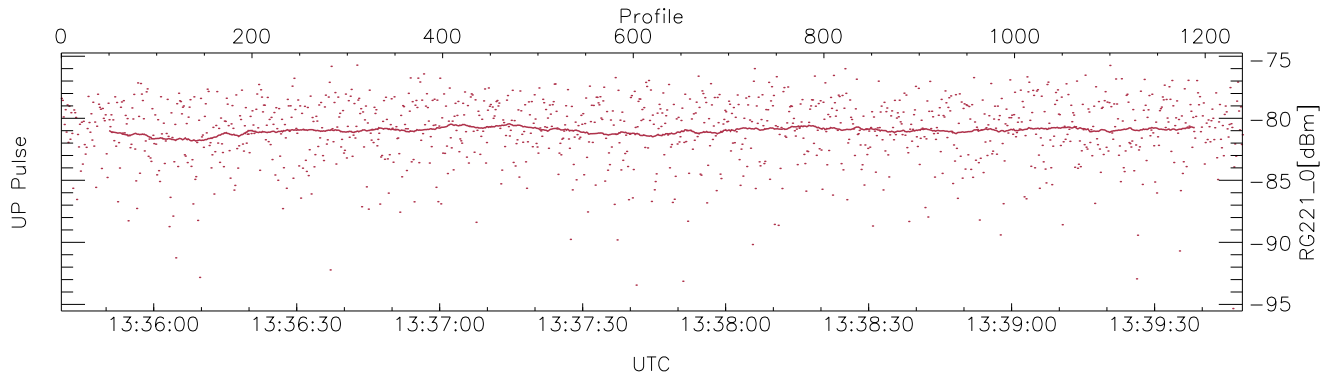
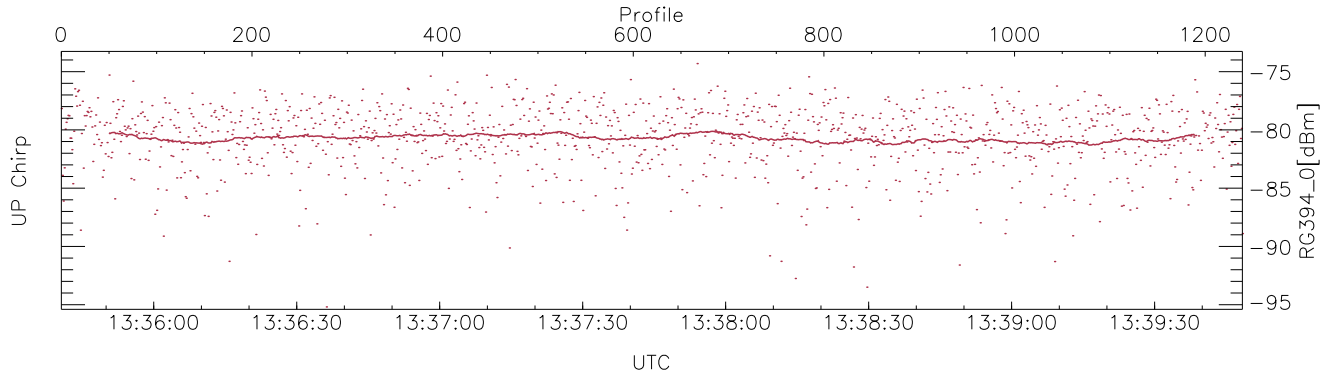
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG394_0	-64.80	-64.15	-64.48	-64.47	-80.99
UP_P_RG221_0	-65.17	-64.52	-64.83	-64.83	-81.30
DOWN_C_RG296_0	-63.30	-62.69	-62.99	-62.99	-79.58
DOWN_P_RG236_0	-63.43	-62.83	-63.13	-63.13	-79.73



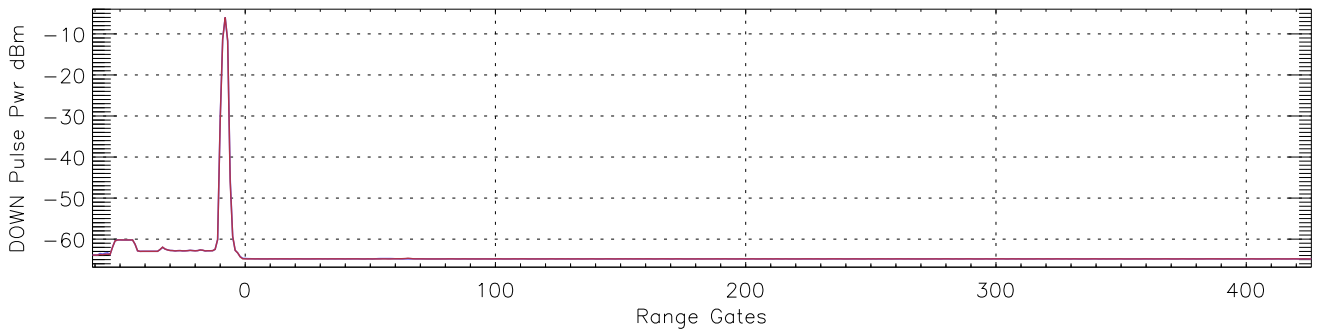
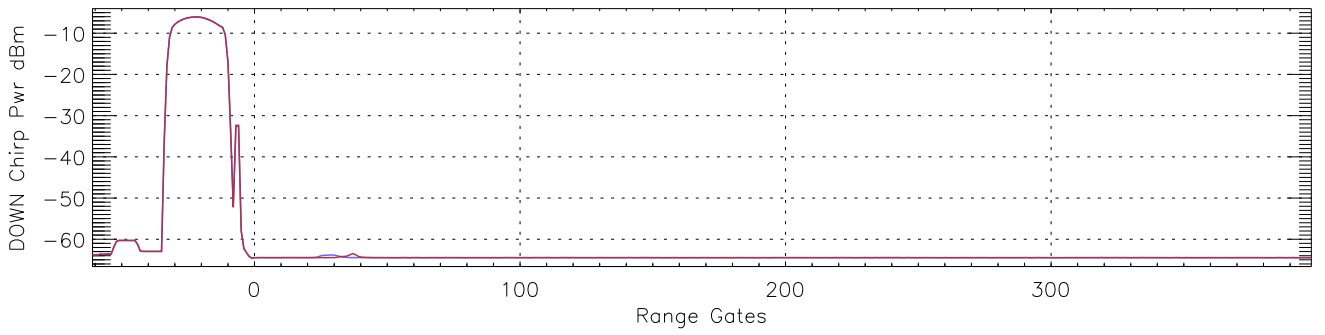
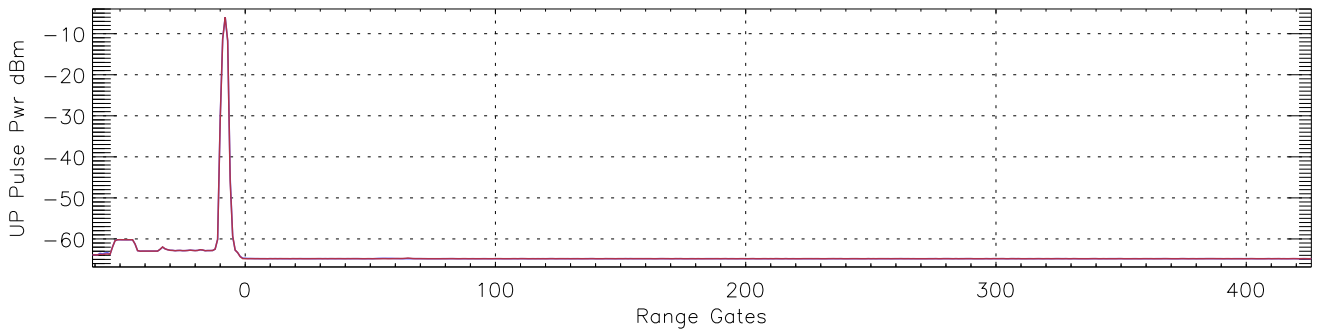
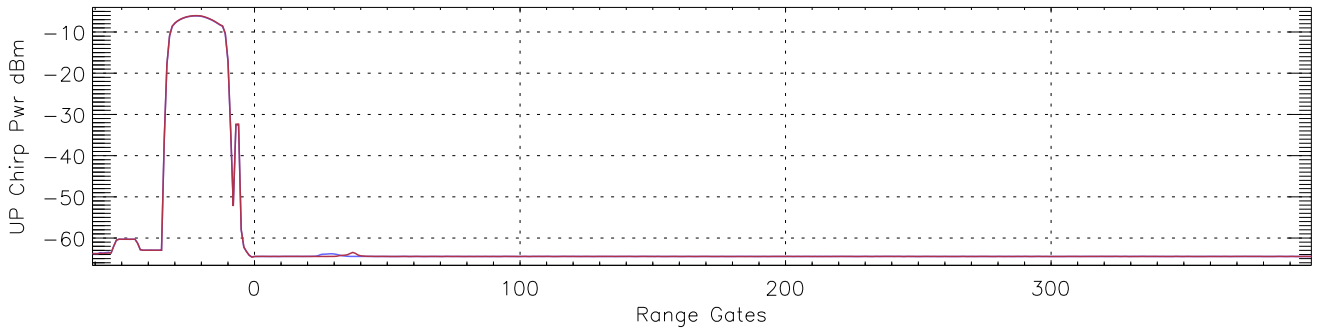
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-93.01	-75.10	-79.97	-80.18	-82.93
UP Pulse(dBm)	-99.88	-75.40	-80.40	-80.63	-83.21
DOWN Chirp(dBm)	-90.61	-73.48	-78.50	-78.79	-81.41
DOWN Pulse(dBm)	-96.21	-73.86	-78.65	-78.84	-81.54

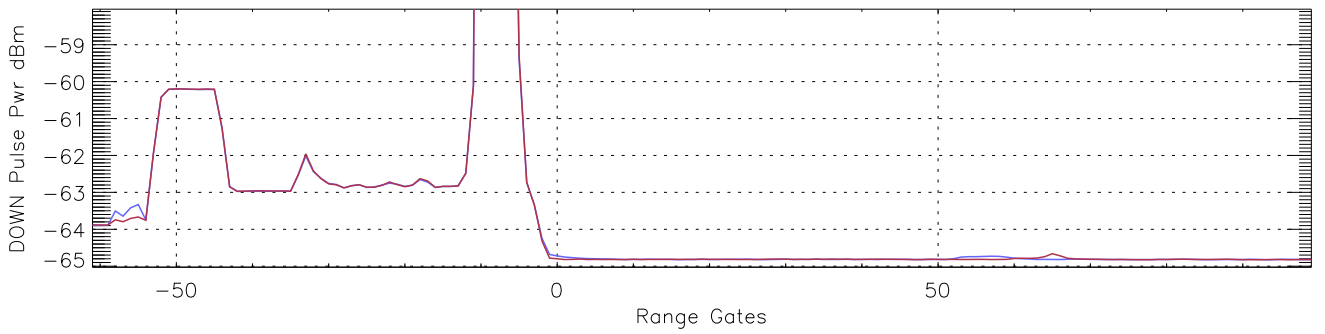
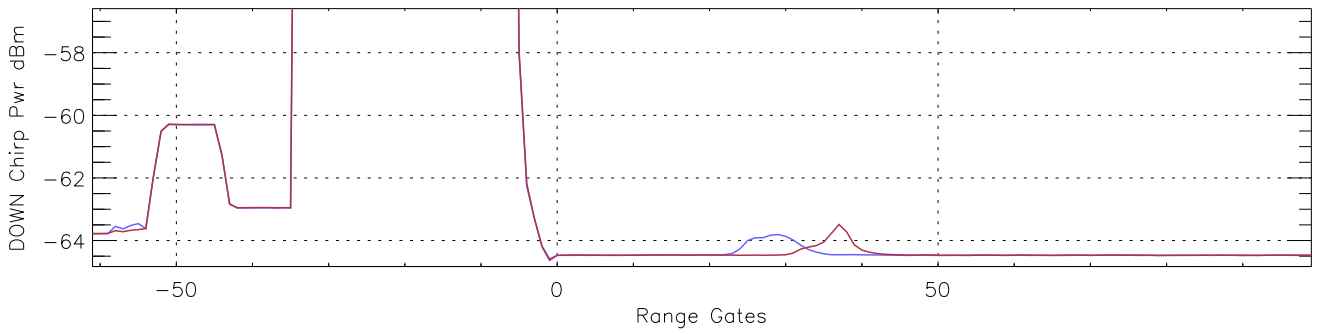
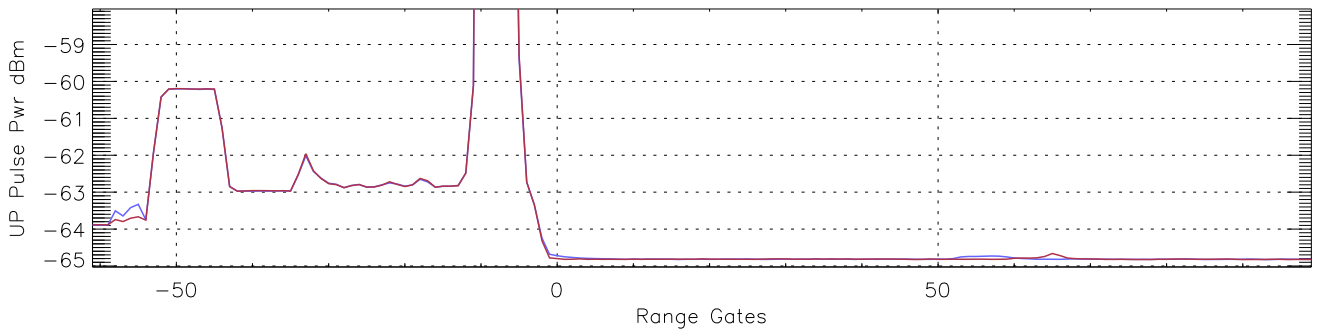
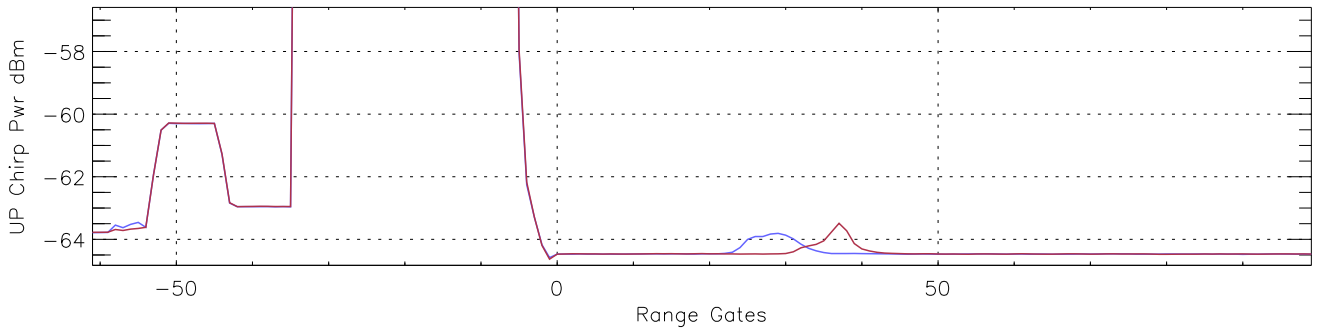


KPR SPP "Best" PPMAG noise (dBm):

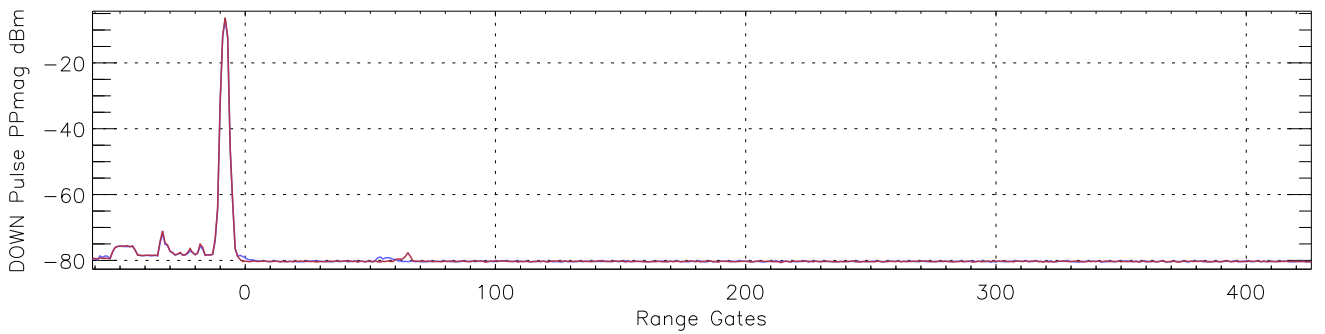
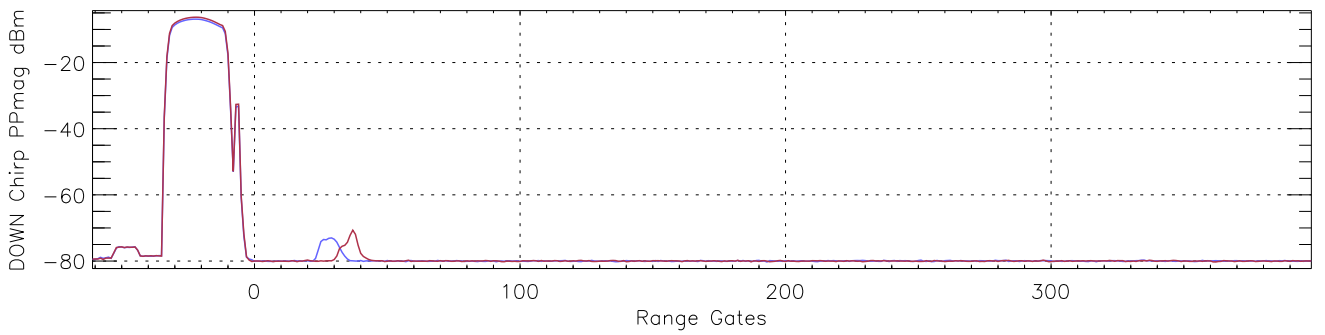
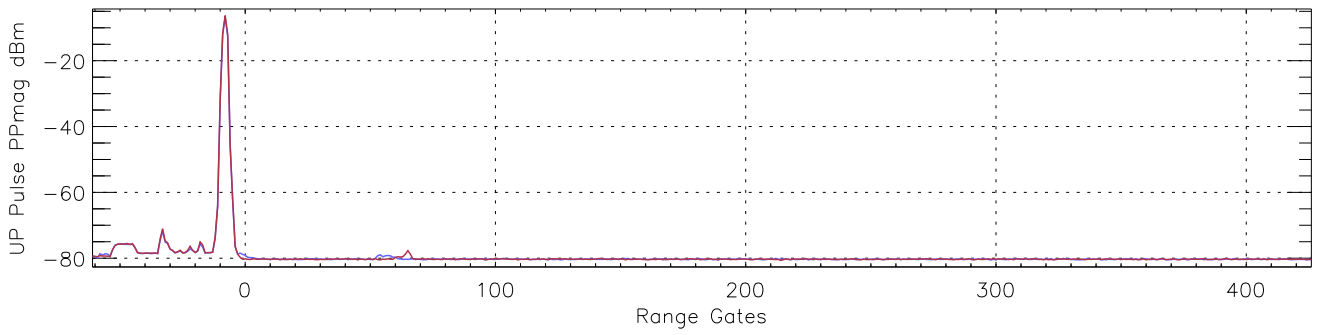
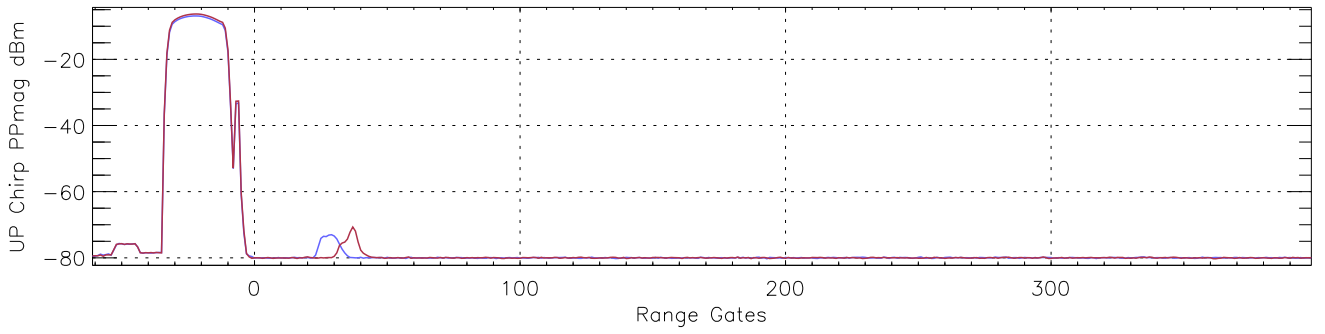
	Min	Max	Mean	Median	StDev
UP_C_RG394_0	-95.19	-74.31	-79.99	-80.31	-82.83
UP_P_RG221_0	-95.33	-75.72	-80.33	-80.60	-83.33
DOWN_C_RG296_0	-93.33	-73.59	-78.45	-78.69	-81.27
DOWN_P_RG236_0	-97.88	-73.55	-78.64	-78.87	-81.56



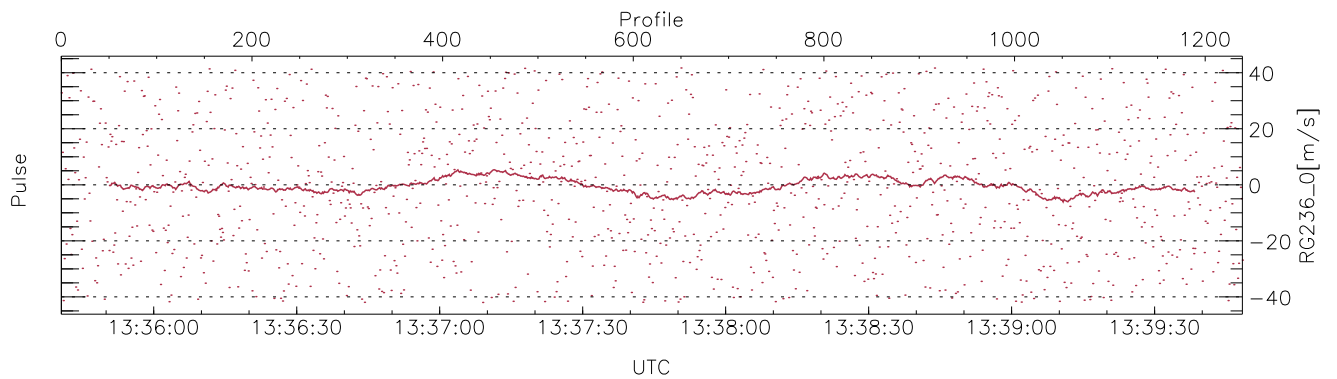
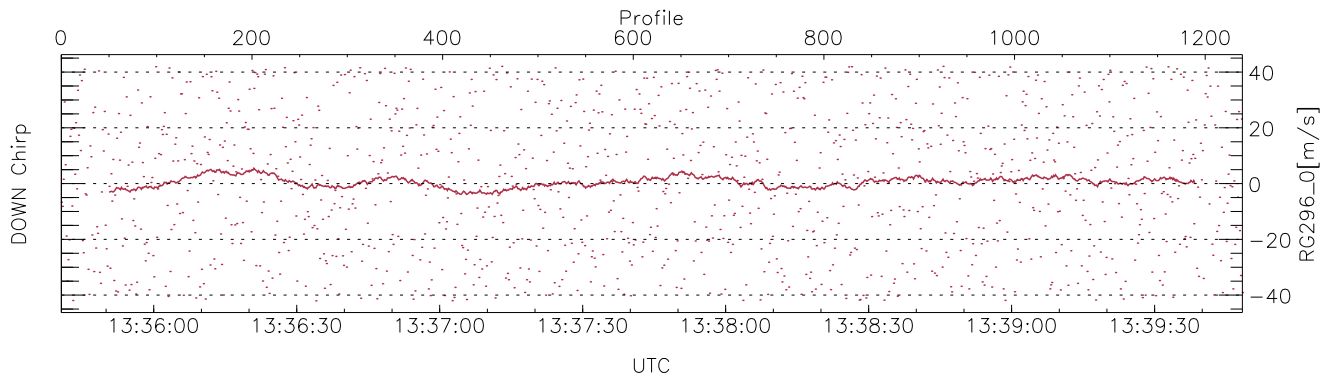
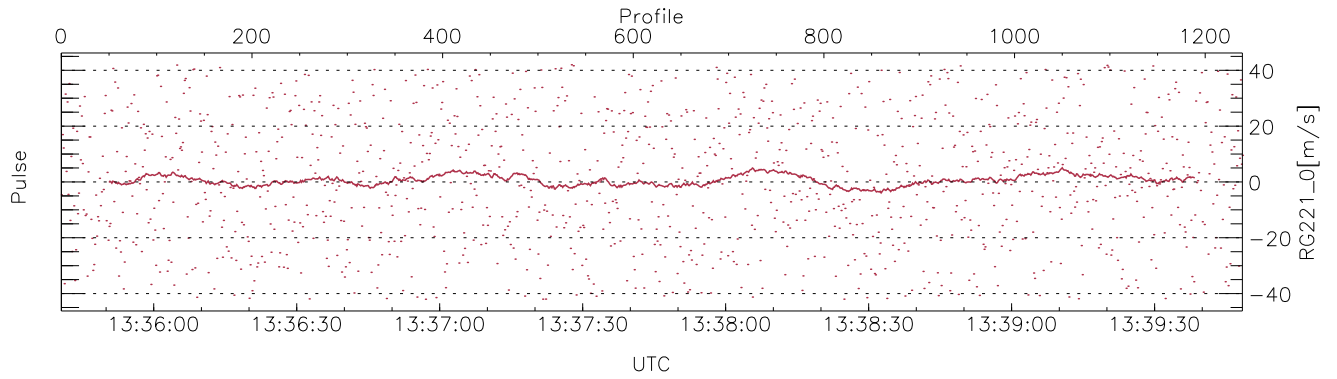
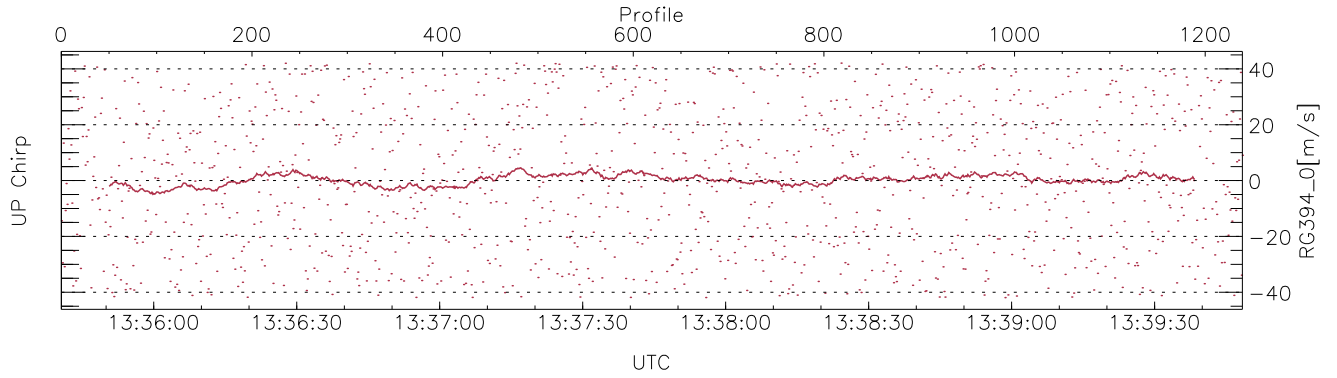
KPR SPP Averaged Received power for all recorded gates
blue: 133541-133744, 621 profiles averaged
red: 133744-133948, 620 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 133541-133744, 621 profiles averaged
red: 133744-133948, 620 profiles averaged

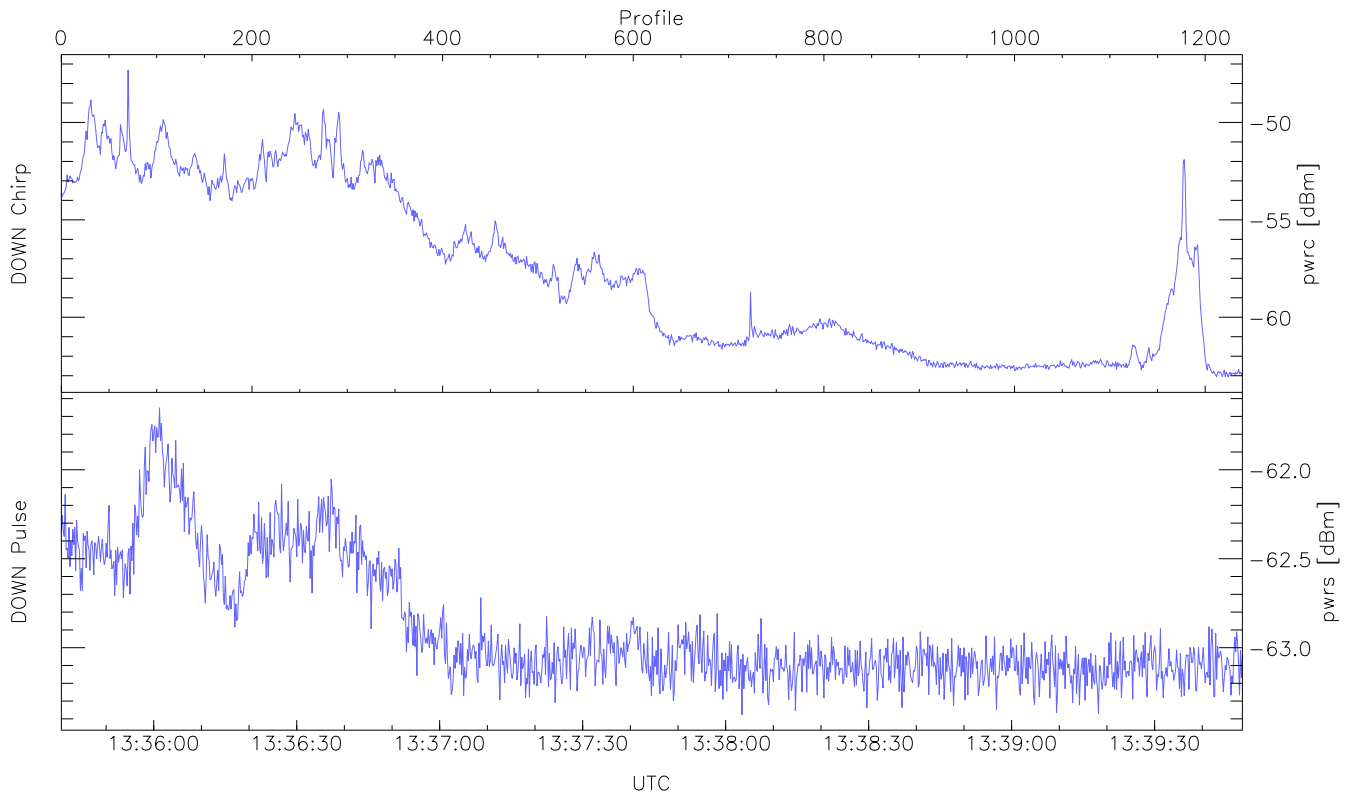
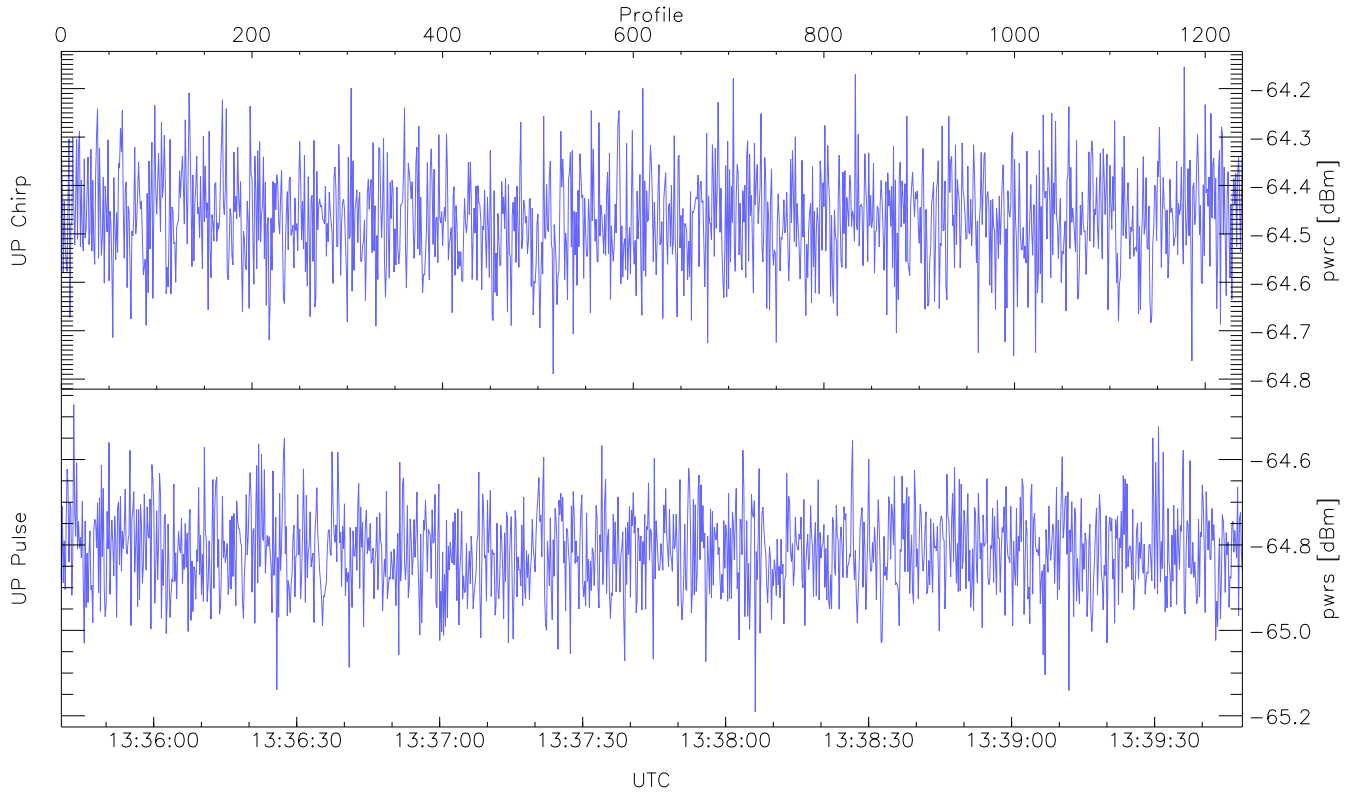


KPR SPP Averaged PP magnitude for all recorded gates
blue: 133541-133744, 621 profiles averaged
red: 133744-133948, 620 profiles averaged



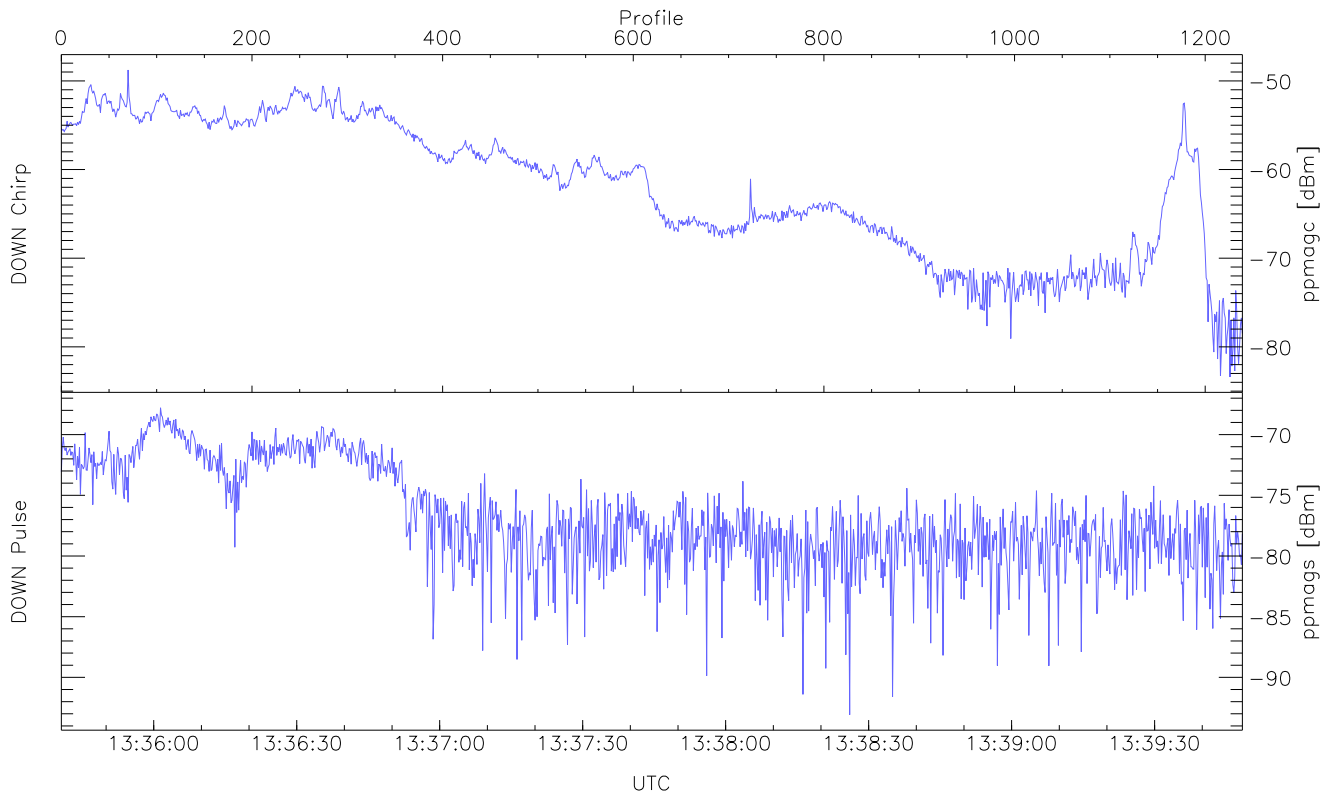
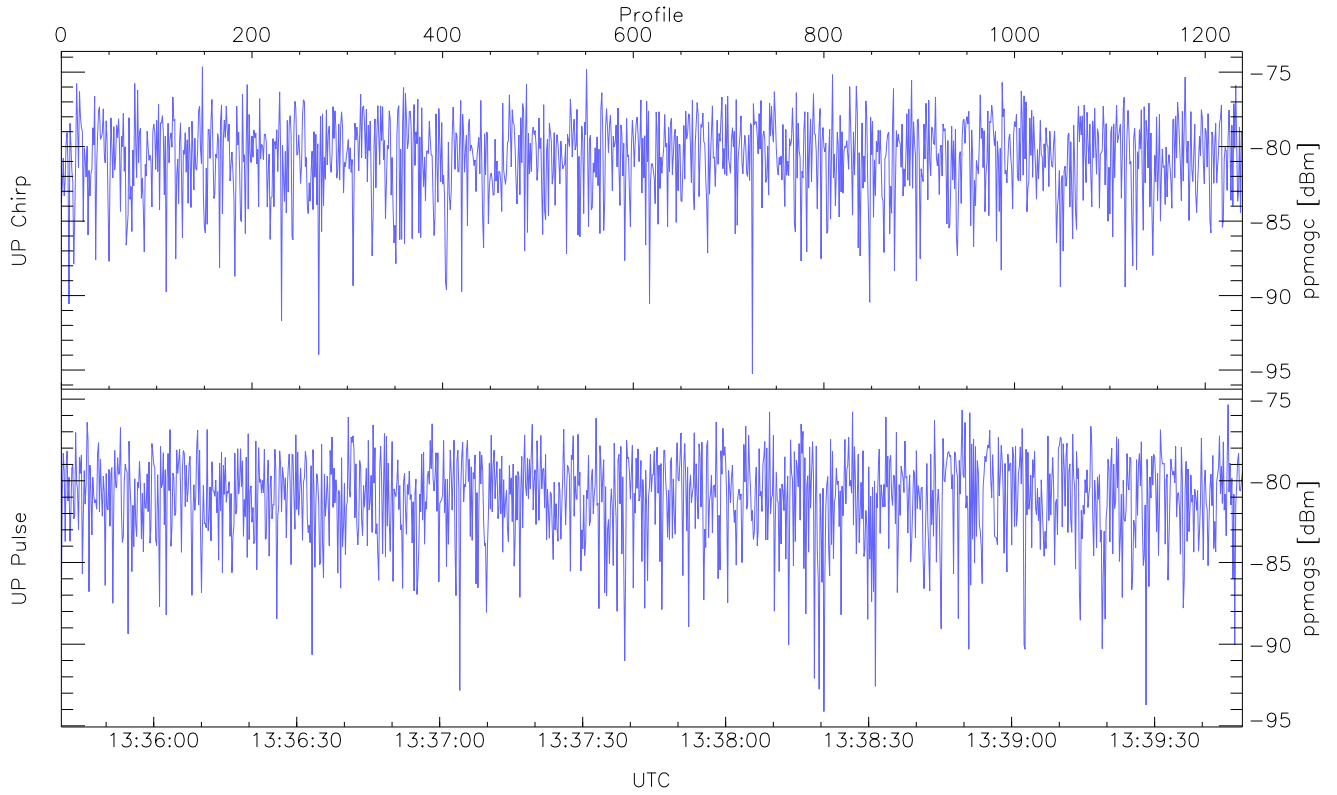
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG394_0	-41.93	42.06	0.09	-0.27	24.42
UP_P_RG221_0	-42.03	42.00	0.60	0.41	22.38
DOWN_C_RG296_0	-42.06	42.05	0.37	1.11	24.70
DOWN_P_RG236_0	-41.98	41.70	-0.67	-0.39	23.17



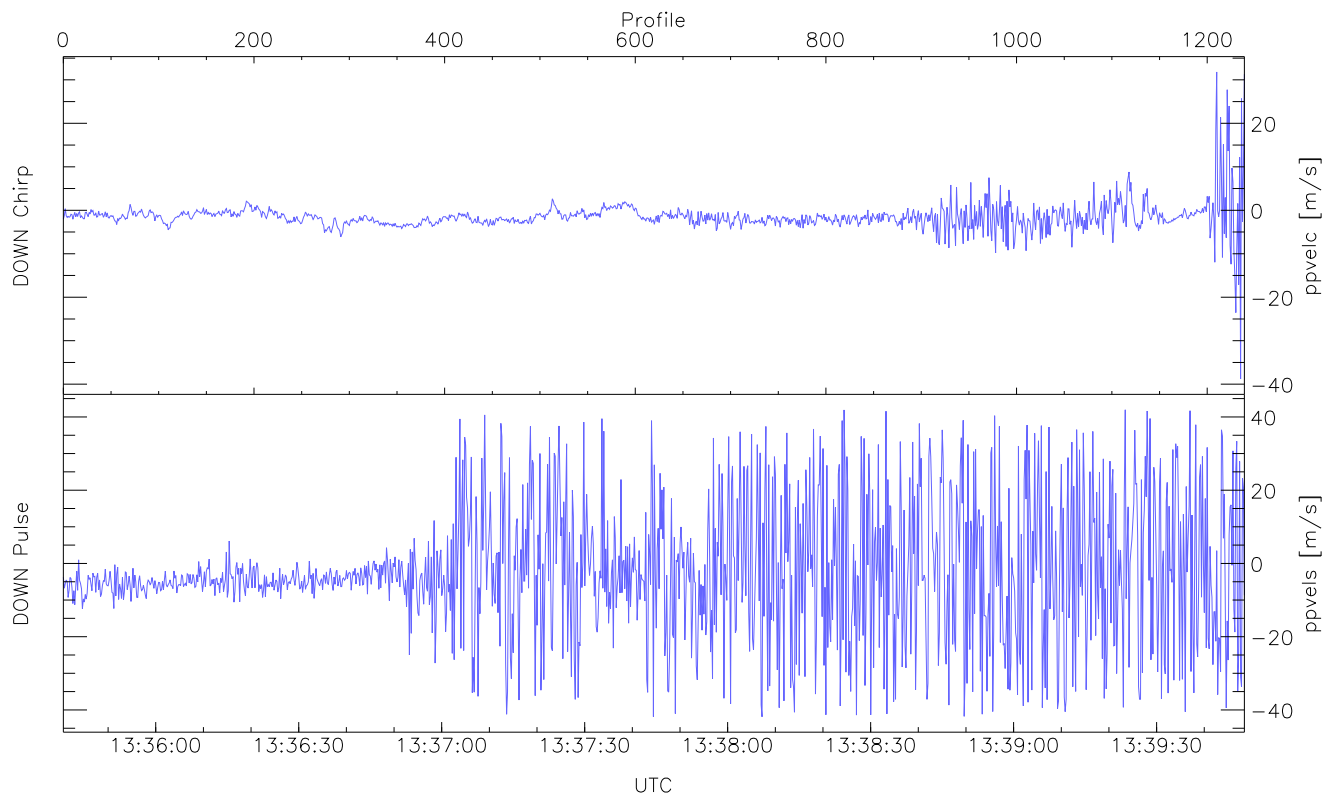
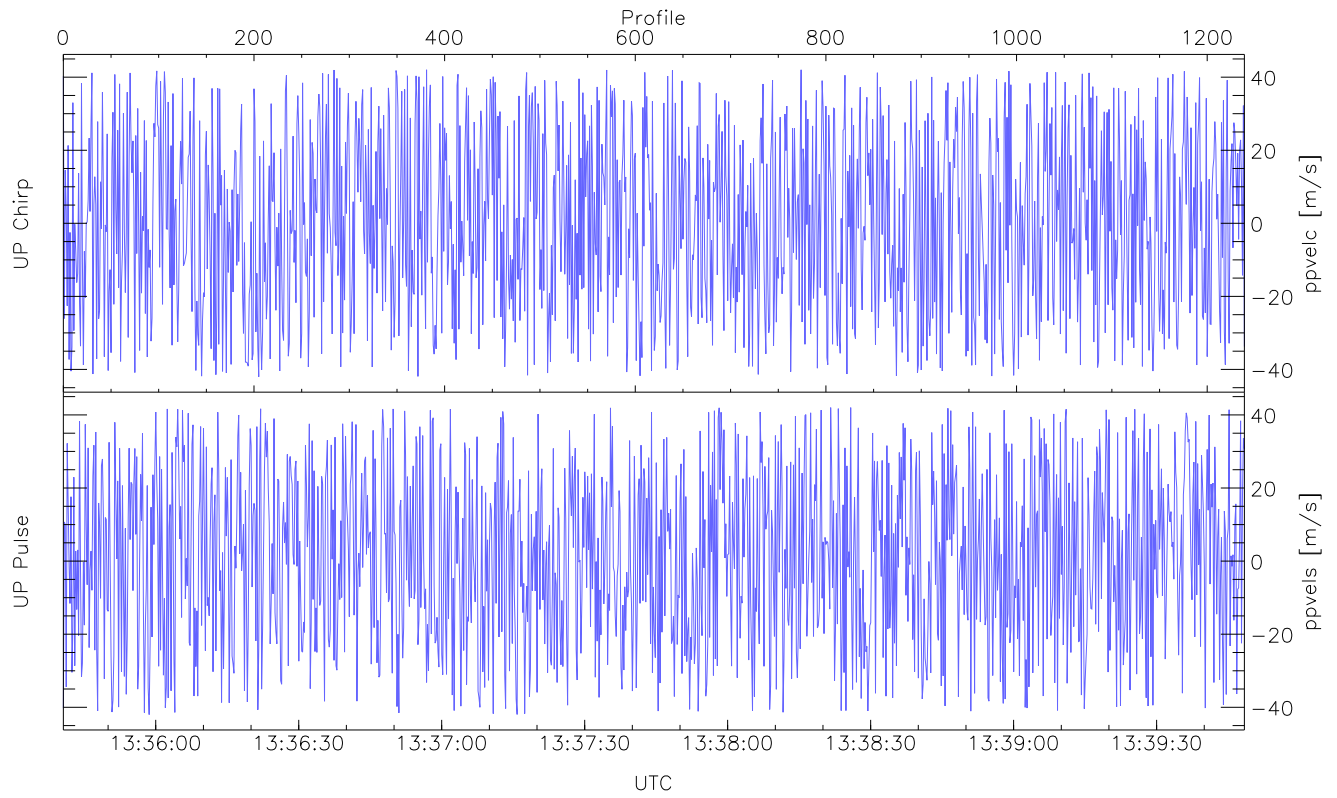
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-64.79	-64.15	-64.47
UP Pulse(dBm)	-65.19	-64.47	-64.81
DOWN Chirp(dBm)	-63.07	-47.31	-55.68
DOWN Pulse(dBm)	-63.38	-61.65	-62.87



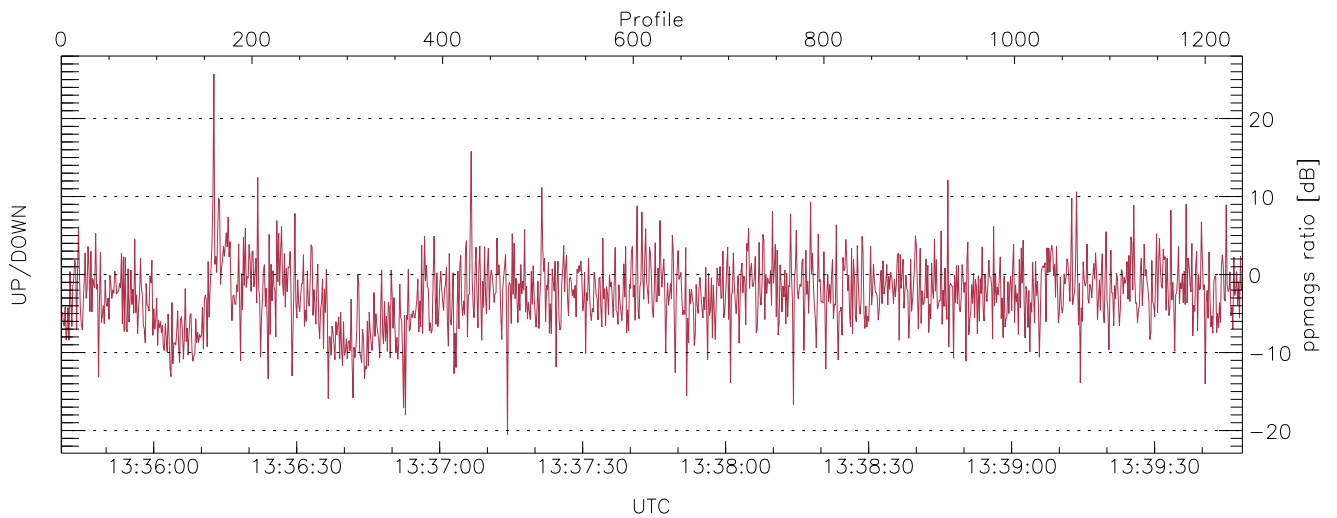
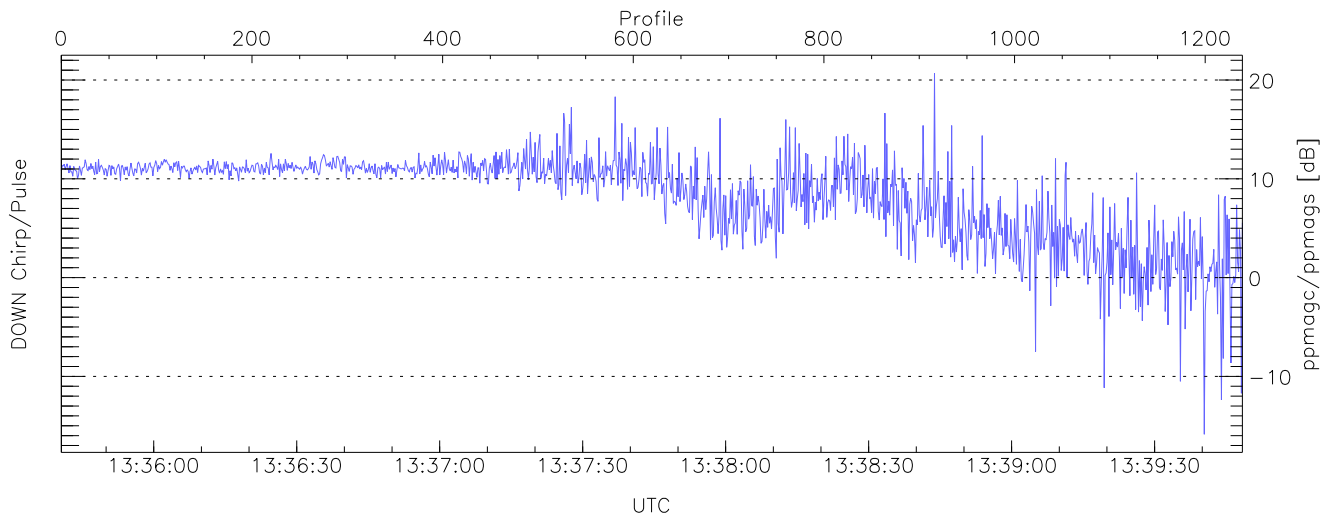
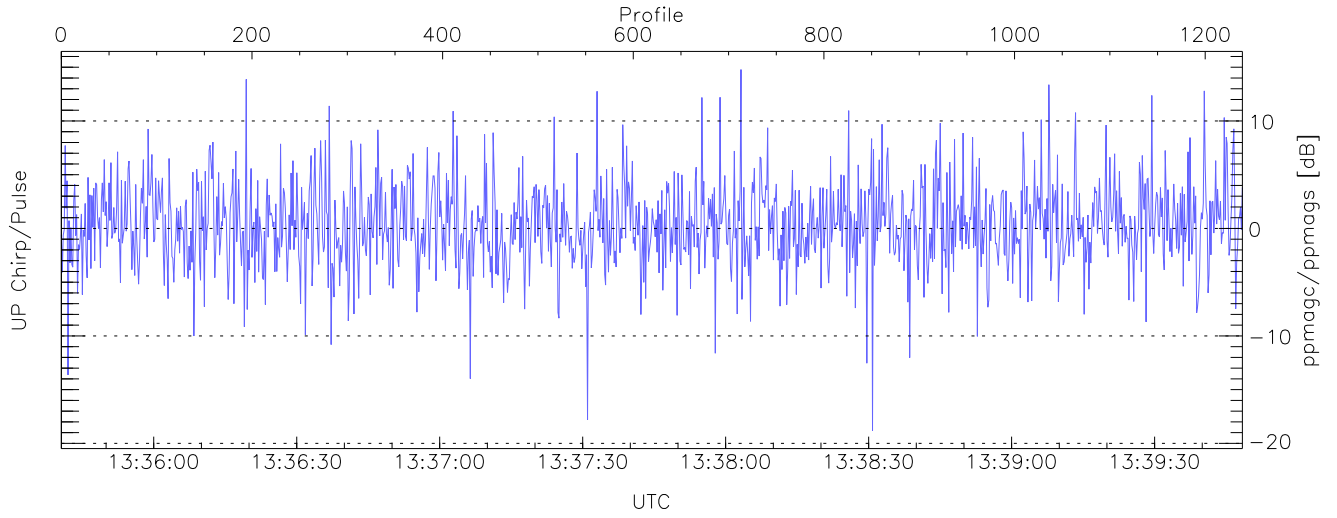
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-95.25	-74.64	-80.06
UP Pulse(dBm)	-94.13	-75.33	-80.37
DOWN Chirp(dBm)	-83.41	-48.77	-57.51
DOWN Pulse(dBm)	-93.08	-67.79	-74.93



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)	-42.02	42.03	0.62
UP Pulse(m/s)	-42.00	42.01	1.04
DOWN Chirp(m/s)	-38.82	31.81	-1.52
DOWN Pulse(m/s)	-41.88	41.96	-2.16



KPR SPP PPMAG Chirp/Pulse; Range gate: 551.3m /555.5m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-18.80	14.79	2.21
DOWN Chirp/Pulse(dBm)	-15.87	20.69	9.81
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-20.59	25.71	0.96