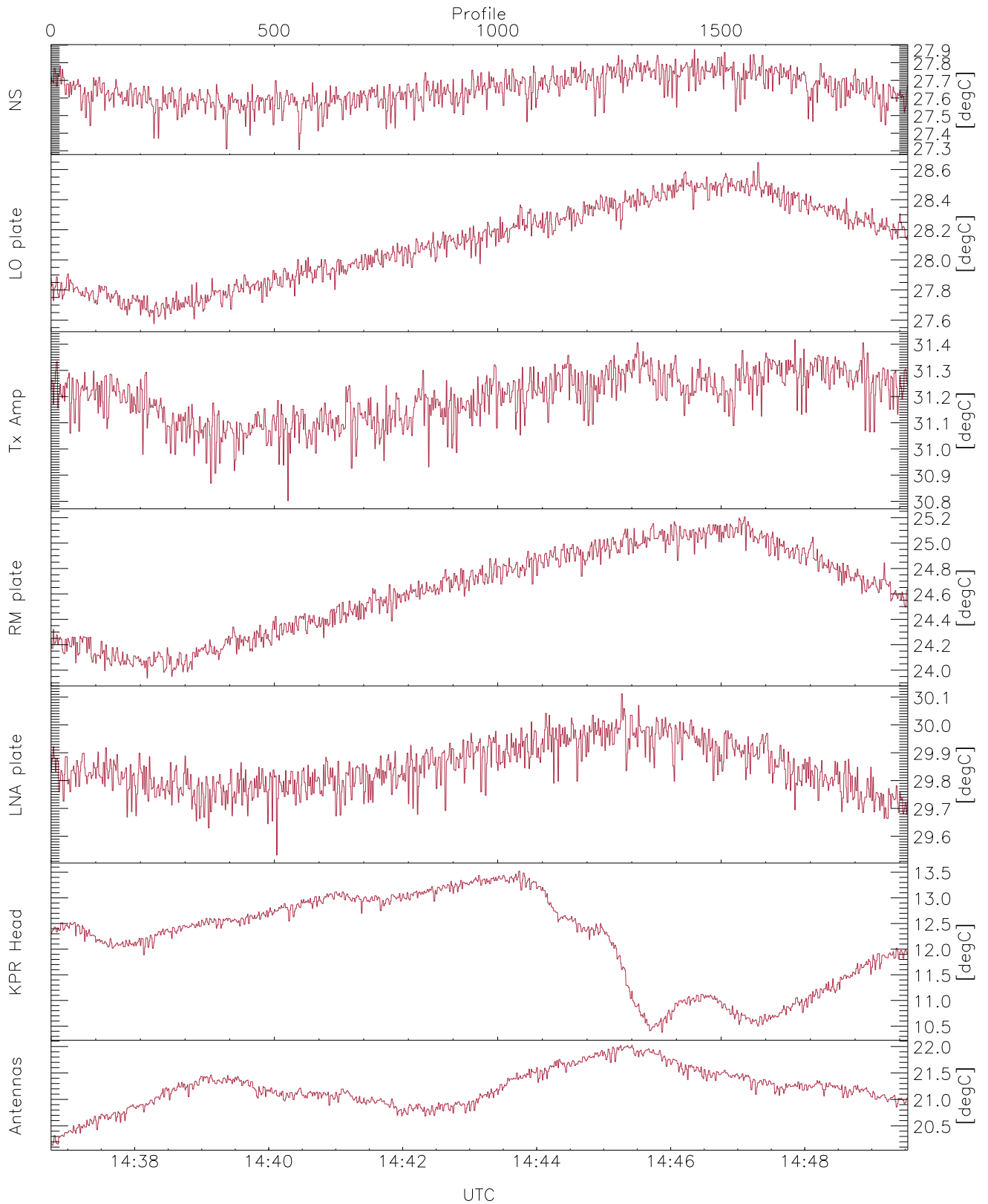


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 14:36:45-14:49:32, TimeCor: 0.00s, Dur: 767.20s
 TimeInt(min,max,mn,std): 399.6,400.4,400.0,0.0 ms; PPS: 2.5
 NumRec(r/t): 1919/1919, 0-1918/14:36:45-14:49:32
 AcqTime(req,actual): 400.0,400.0 ms, Data Rate: 93.9 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, avgPulses: 4000, avgPP: 2000
 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: 0.4

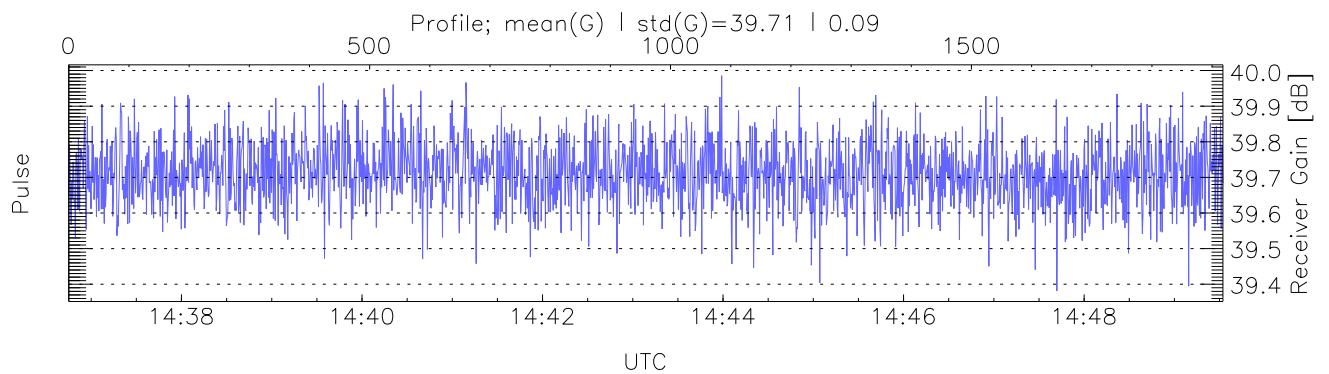
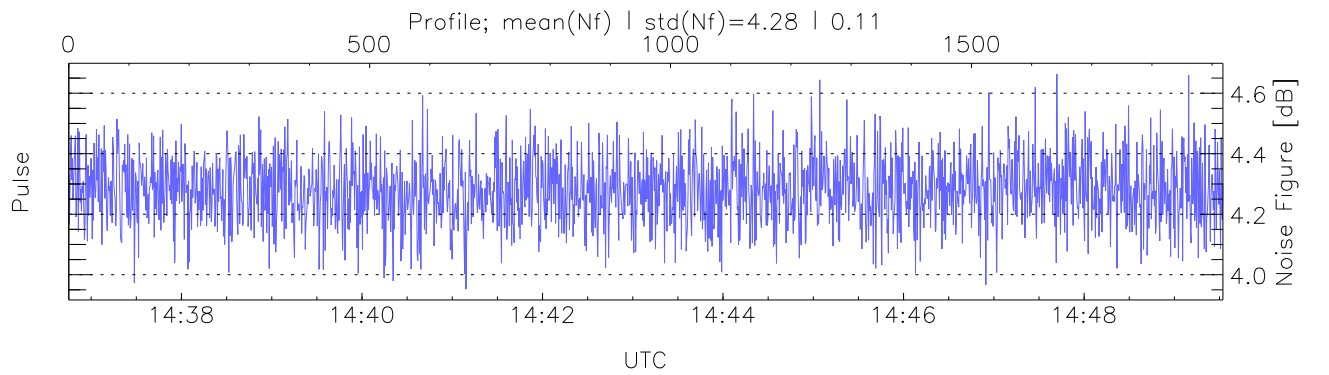
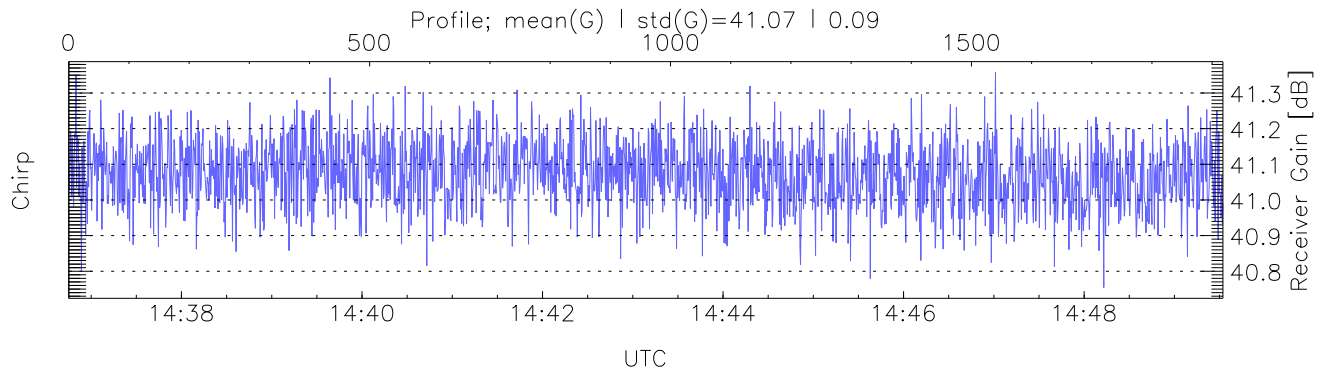
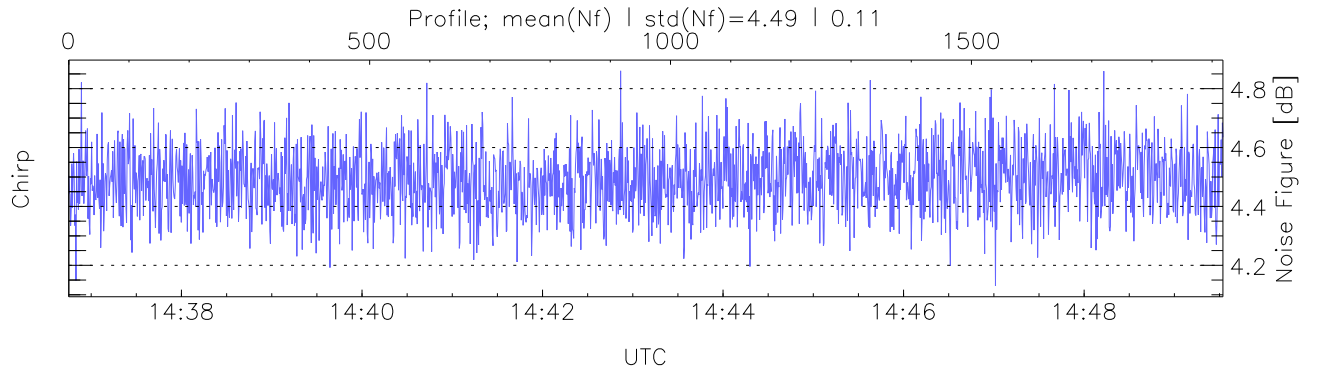


KPR SPP Temperatures, Power Supplies, PLO lock:

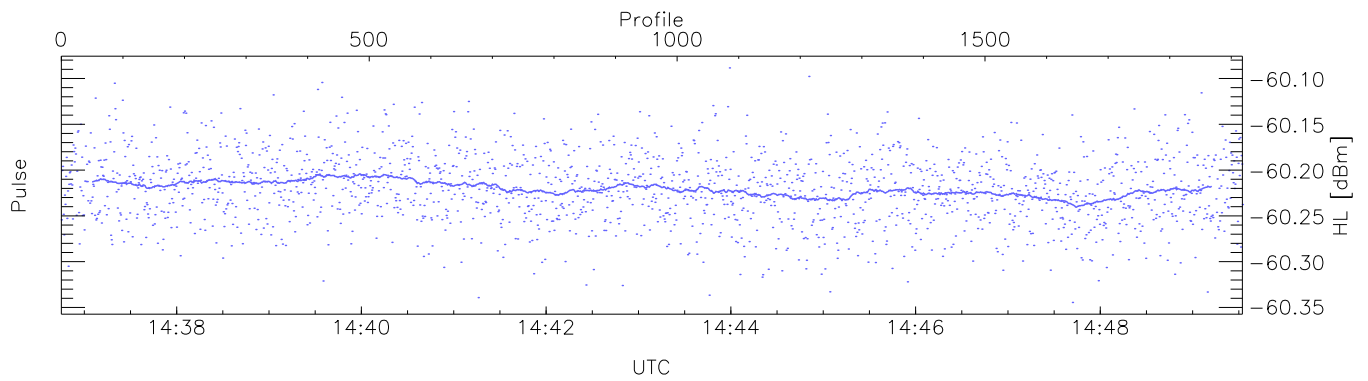
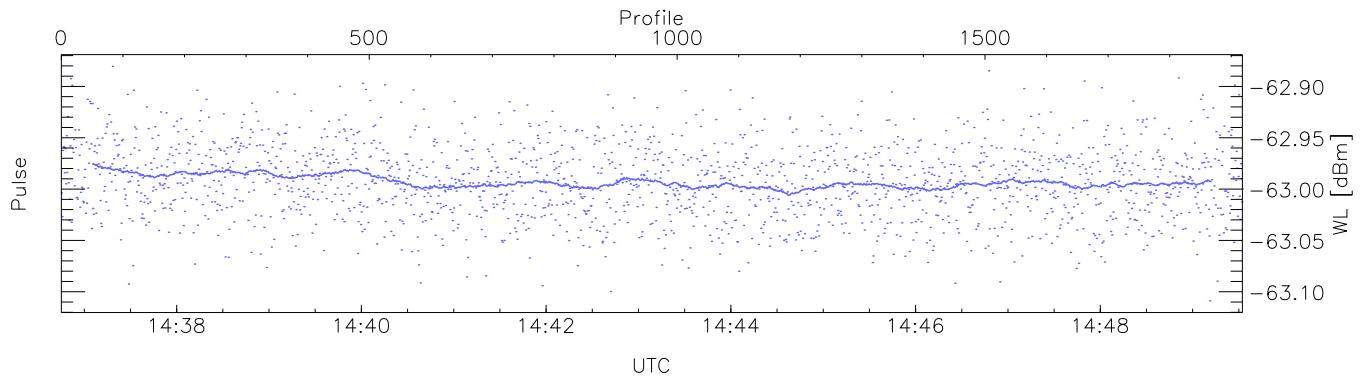
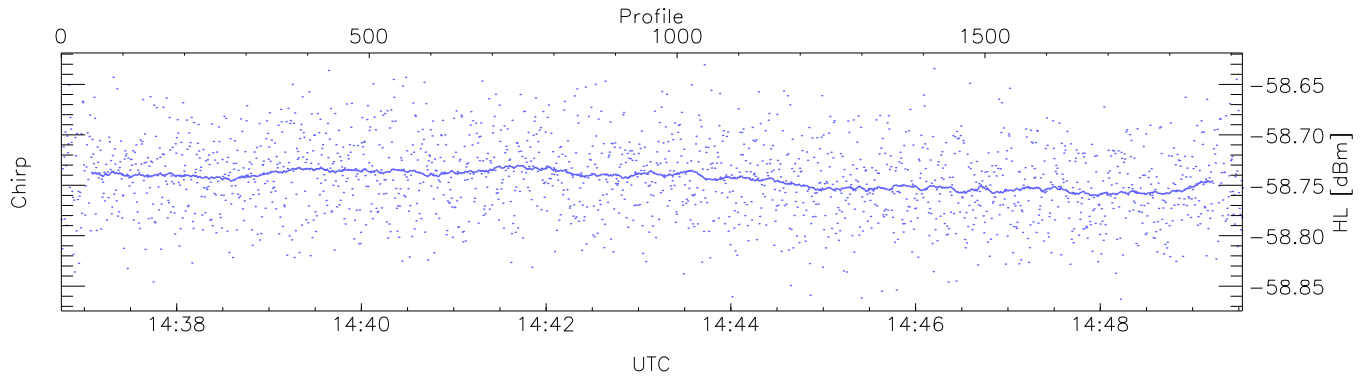
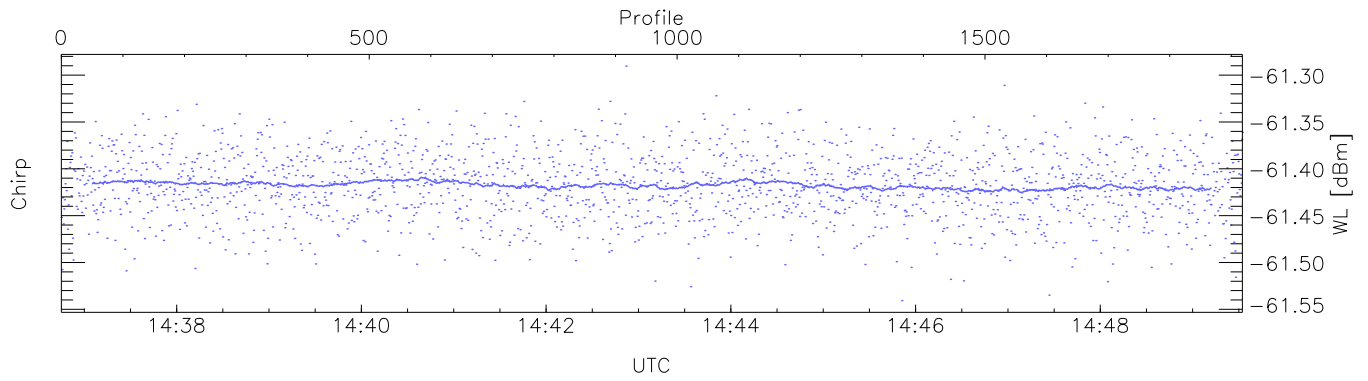
mintempC: 27.3, 27.6, 30.8, 23.9, 29.5, 10.4, 20.1
 maxtempC: 27.9, 28.6, 31.4, 25.2, 30.1, 13.5, 22.0

minVDC: 26.24, 11.72, 7.85, 5.21
 maxVDC: 27.67, 11.77, 7.88, 5.23

PLO(3.84,15.84 GHz) unlocked: None

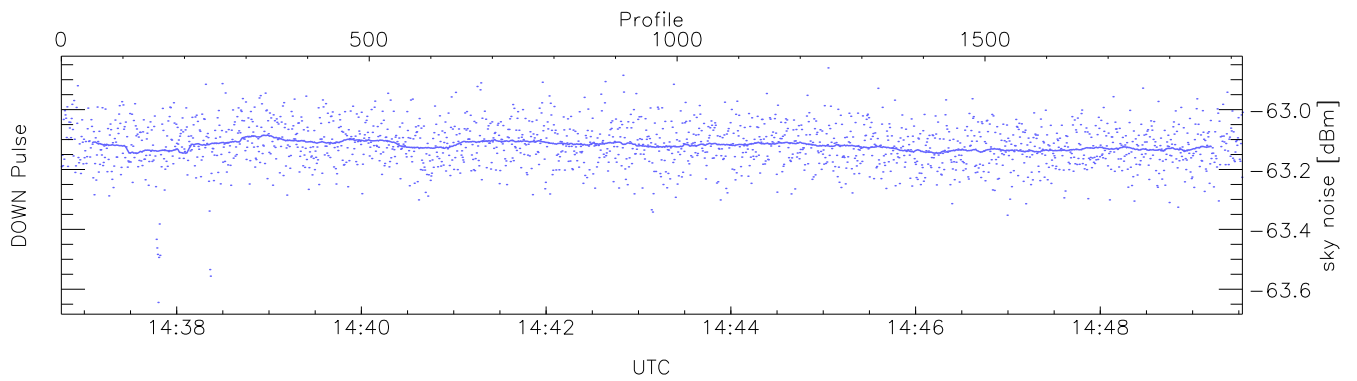
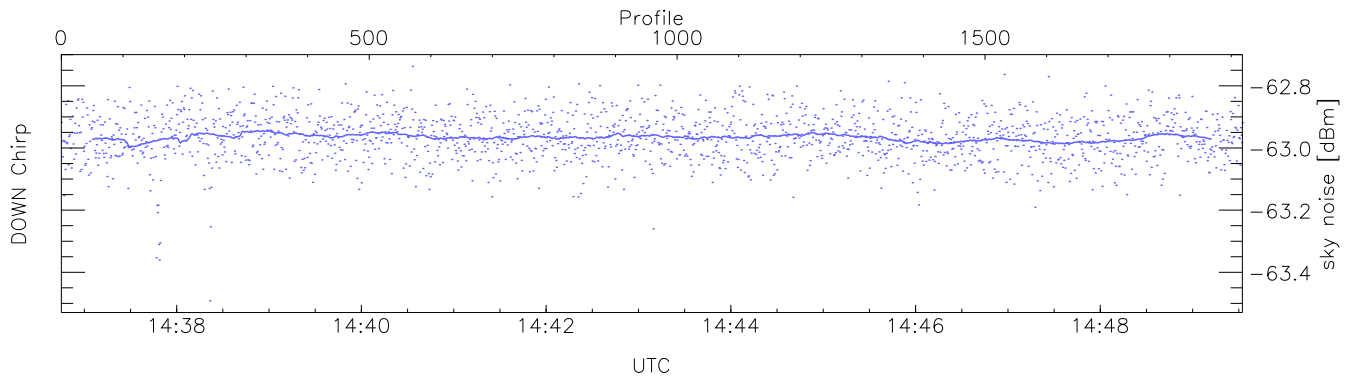
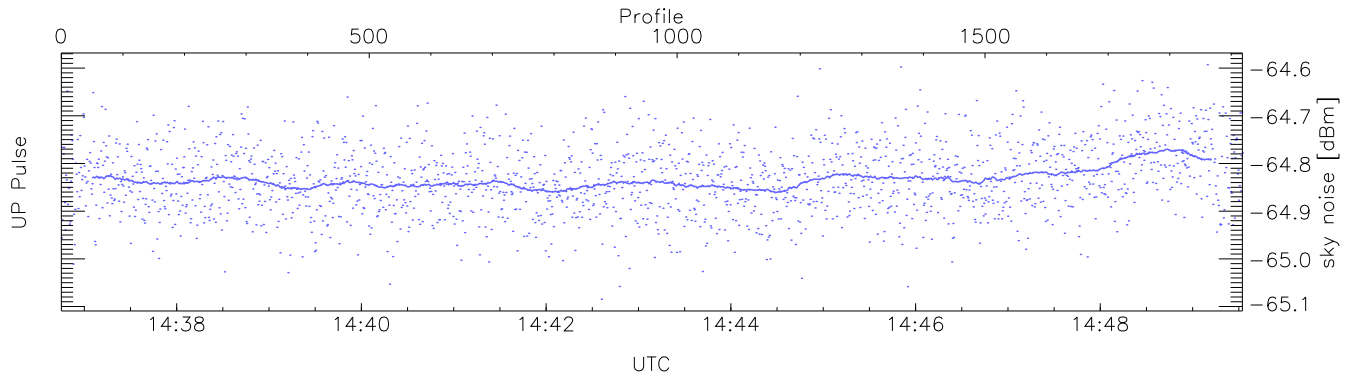
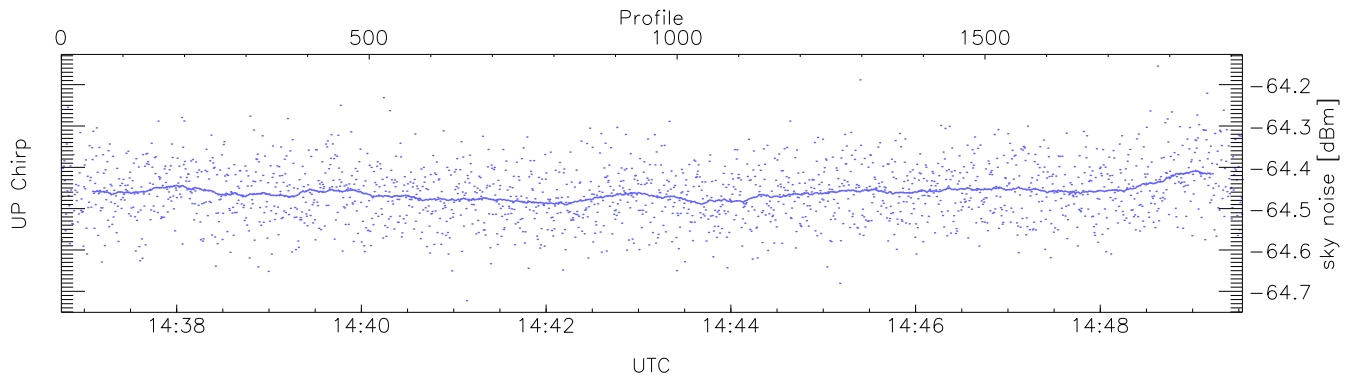


KPR SPP Receiver Gain and Noise Figure



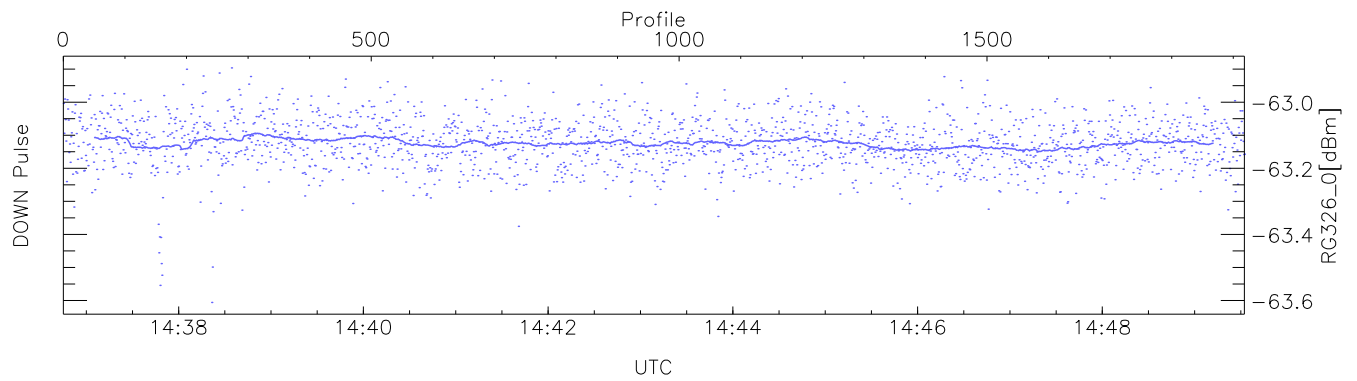
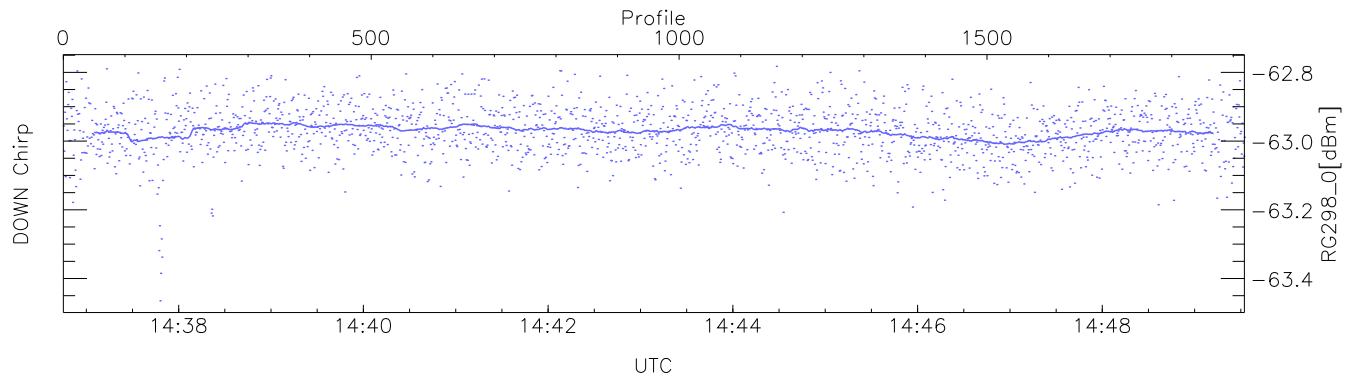
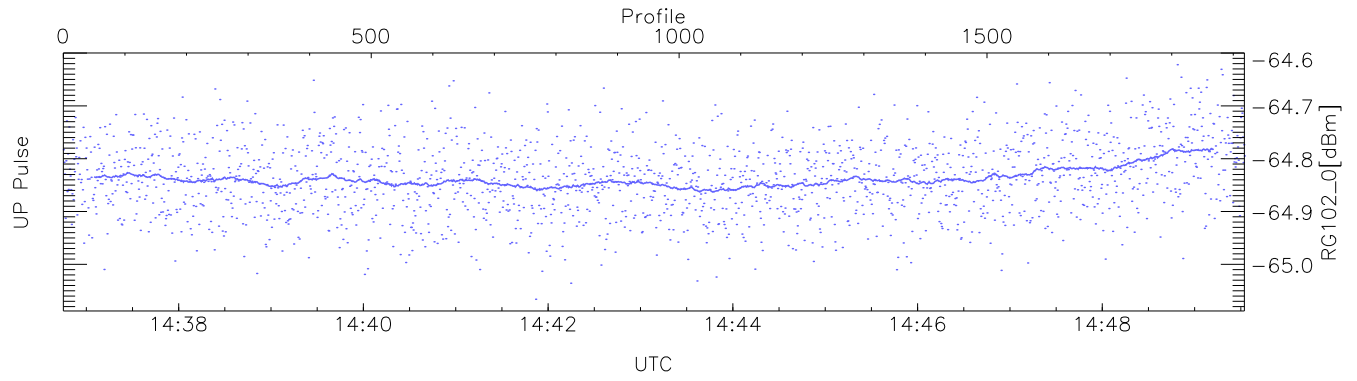
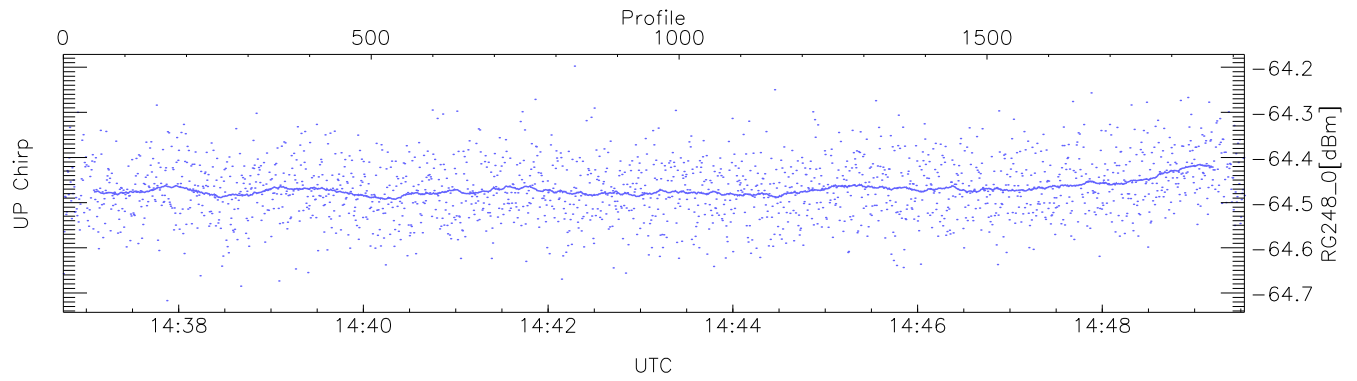
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-61.54	-61.29	-61.42	-61.42	-82.37
Chirp(HL [dBm])	-58.86	-58.63	-58.74	-58.74	-79.22
Pulse(WL [dBm])	-63.11	-62.88	-62.99	-62.99	-83.88
Pulse(HL [dBm])	-60.34	-60.09	-60.22	-60.22	-80.88



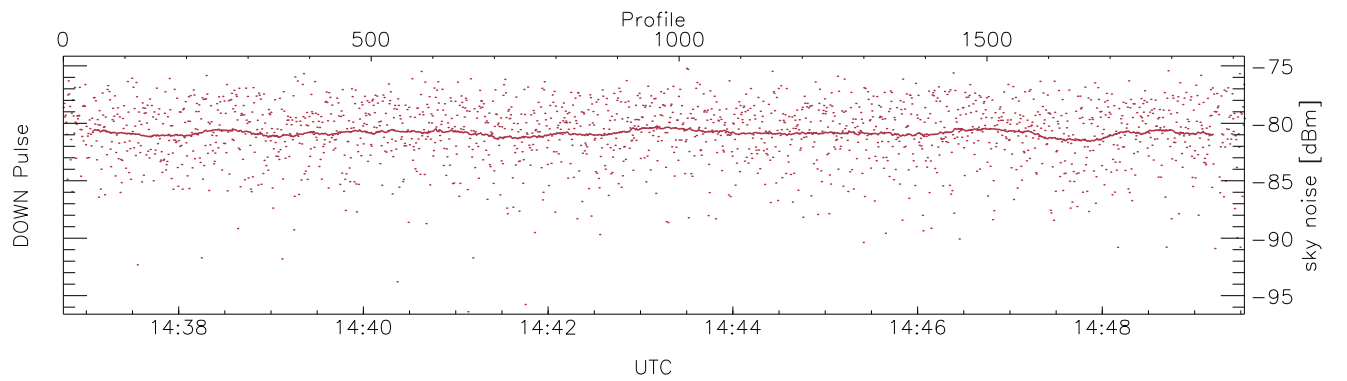
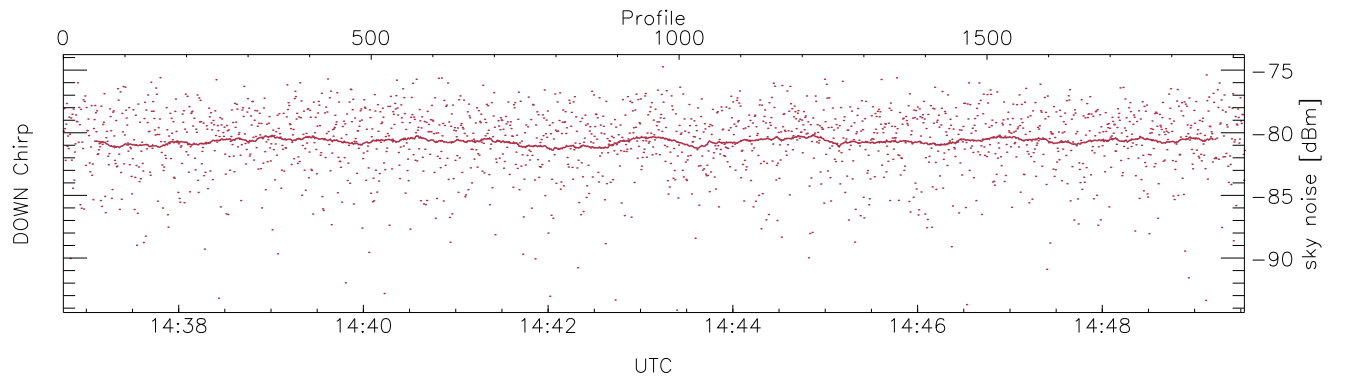
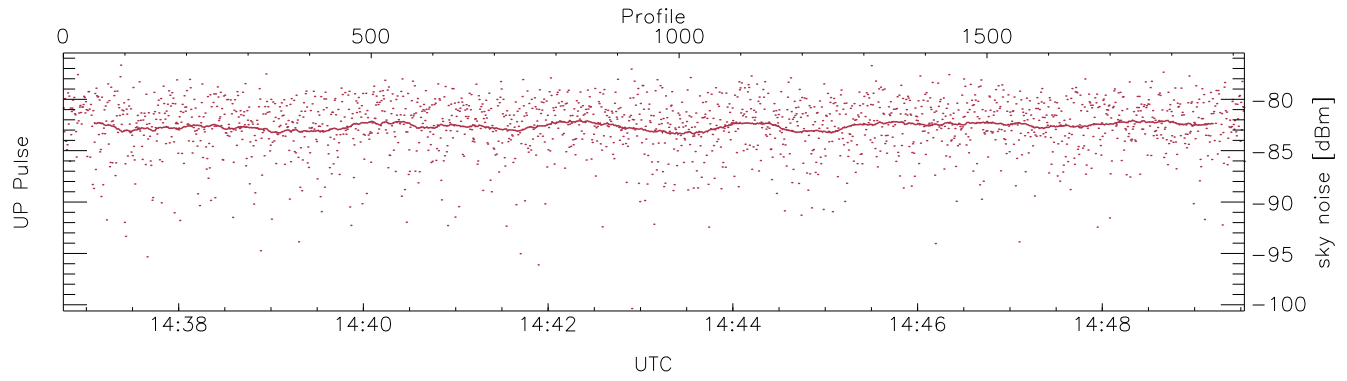
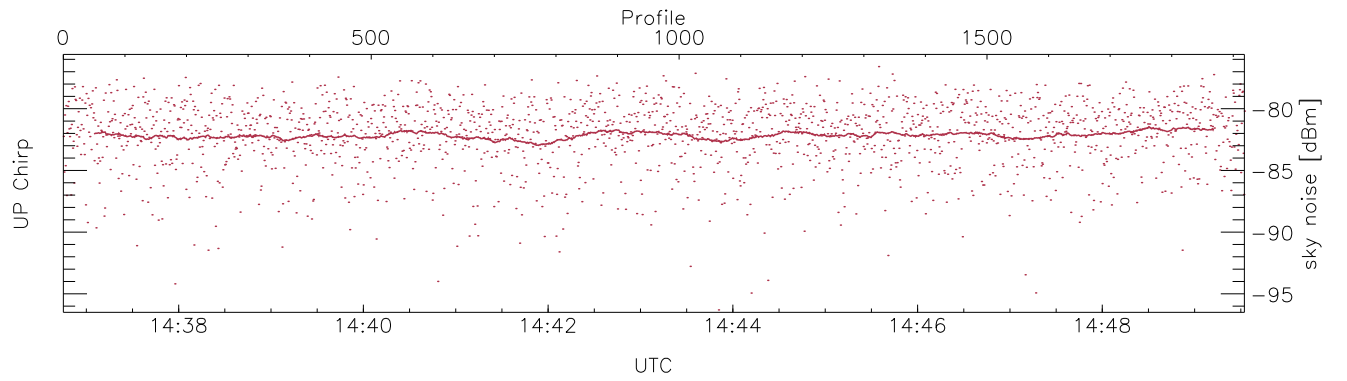
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.72	-64.16	-64.46	-64.46	-82.34
UP Pulse(dBm)	-65.08	-64.59	-64.83	-64.84	-82.67
DOWN Chirp(dBm)	-63.49	-62.74	-62.97	-62.97	-80.67
DOWN Pulse(dBm)	-63.64	-62.86	-63.12	-63.12	-80.66



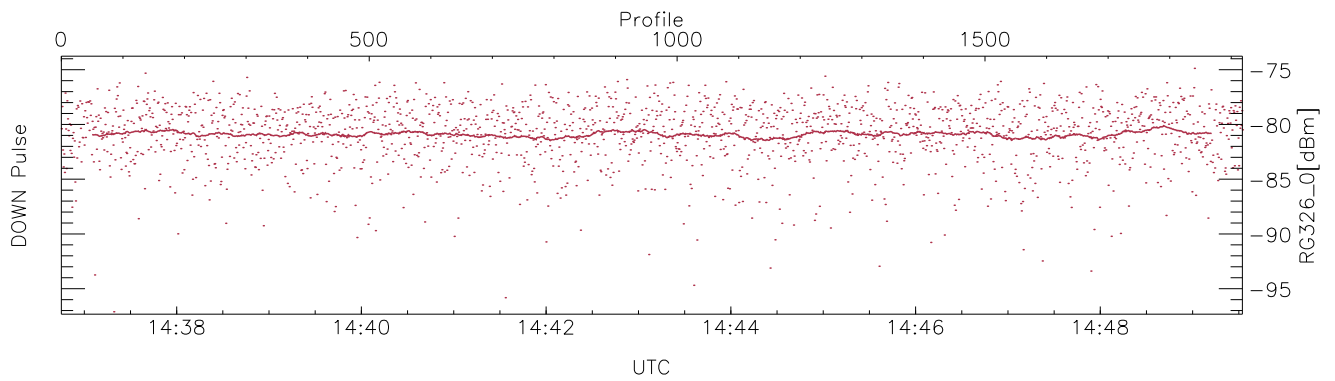
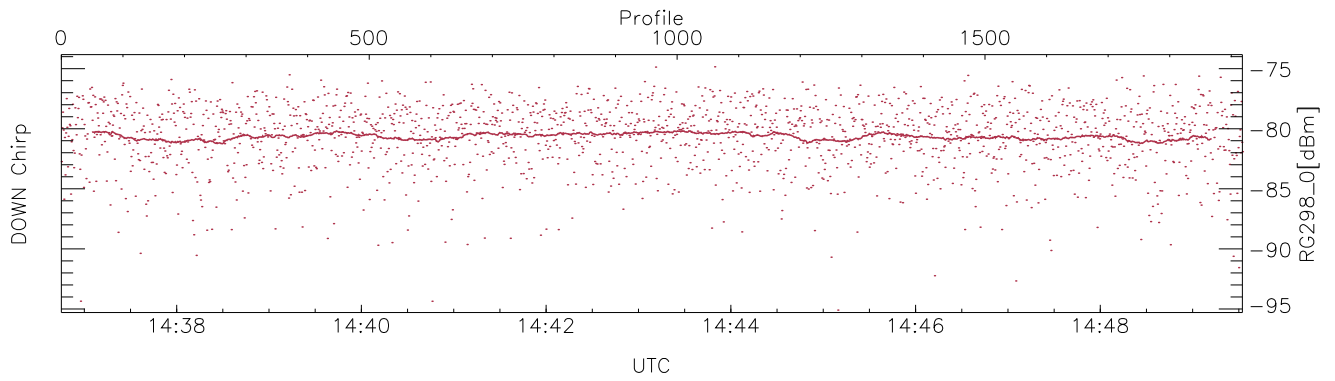
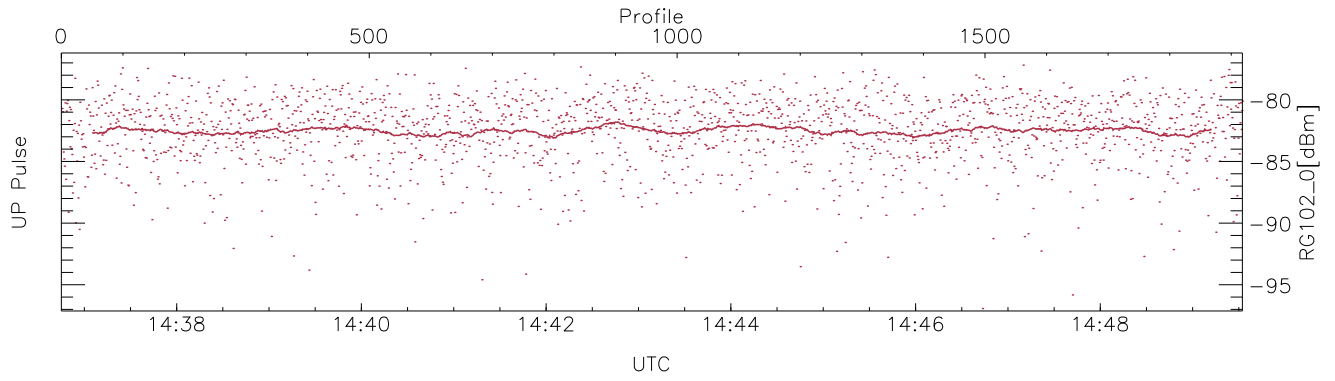
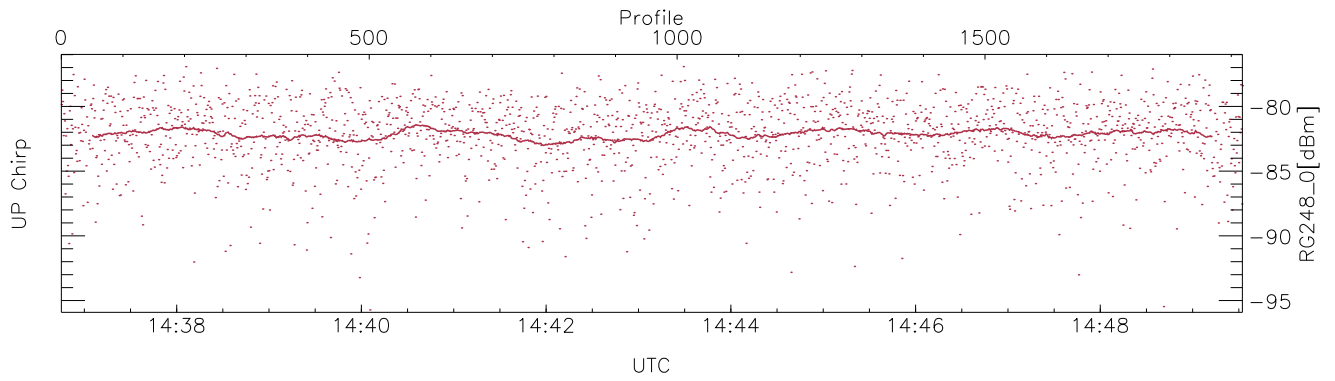
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG248_0	-64.72	-64.20	-64.47	-64.47	-82.46
UP_P_RG102_0	-65.07	-64.62	-64.84	-64.84	-82.83
DOWN_C_RG298_0	-63.47	-62.78	-62.97	-62.97	-80.76
DOWN_P_RG326_0	-63.61	-62.90	-63.12	-63.12	-80.76



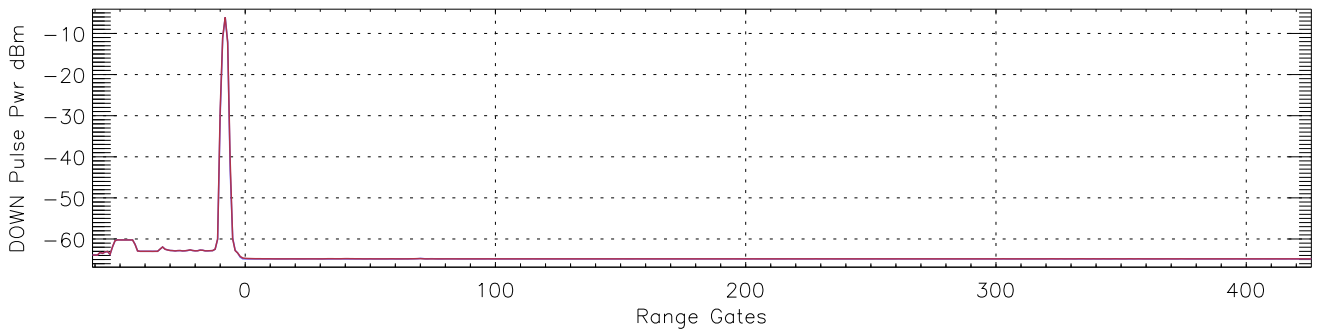
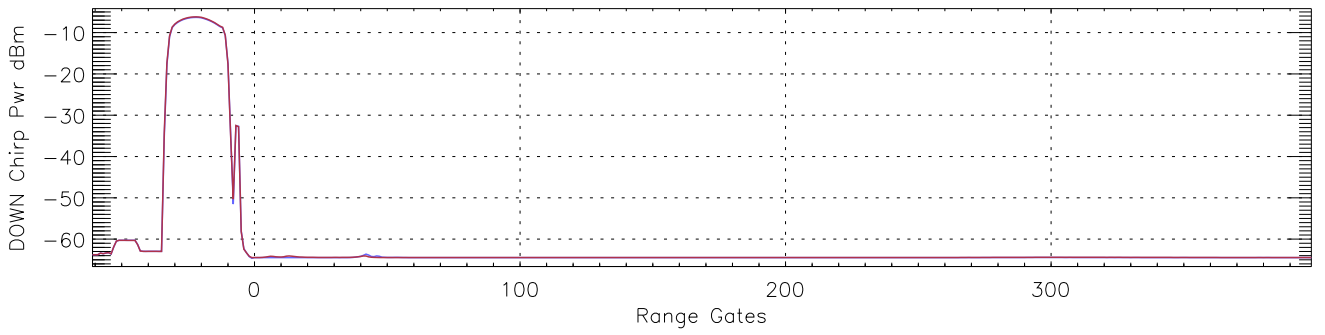
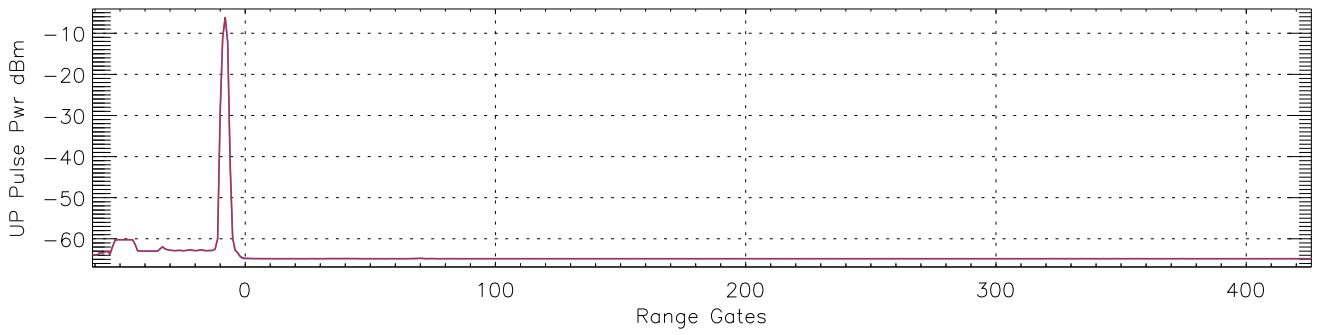
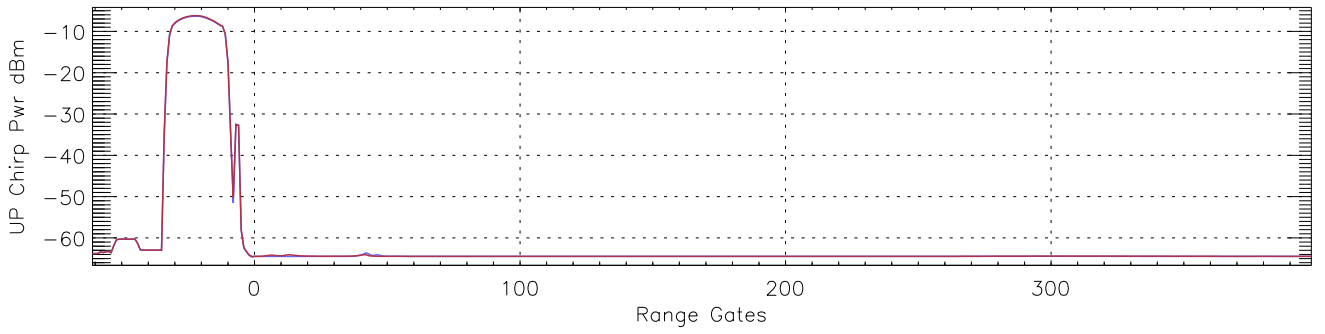
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-96.31	-76.59	-81.45	-81.67	-84.39
UP Pulse(dBm)	-100.36	-76.68	-81.88	-82.16	-84.76
DOWN Chirp(dBm)	-94.16	-74.73	-79.98	-80.18	-82.87
DOWN Pulse(dBm)	-96.40	-75.22	-80.10	-80.46	-82.83

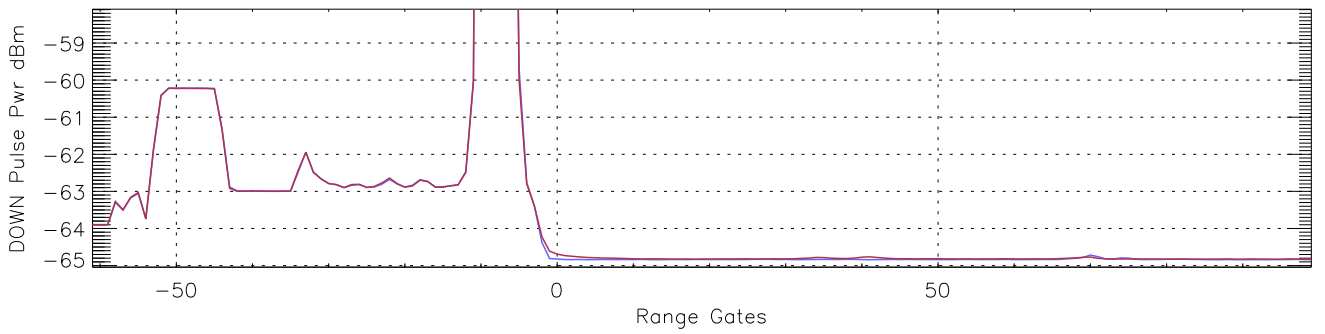
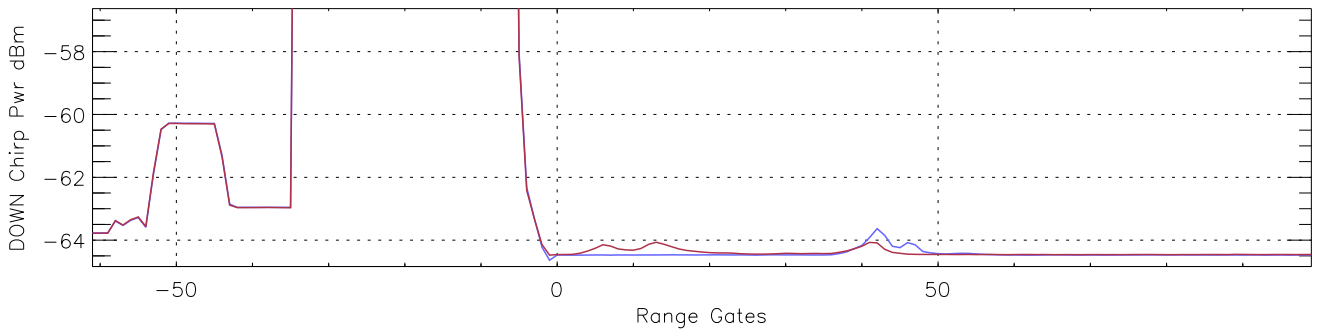
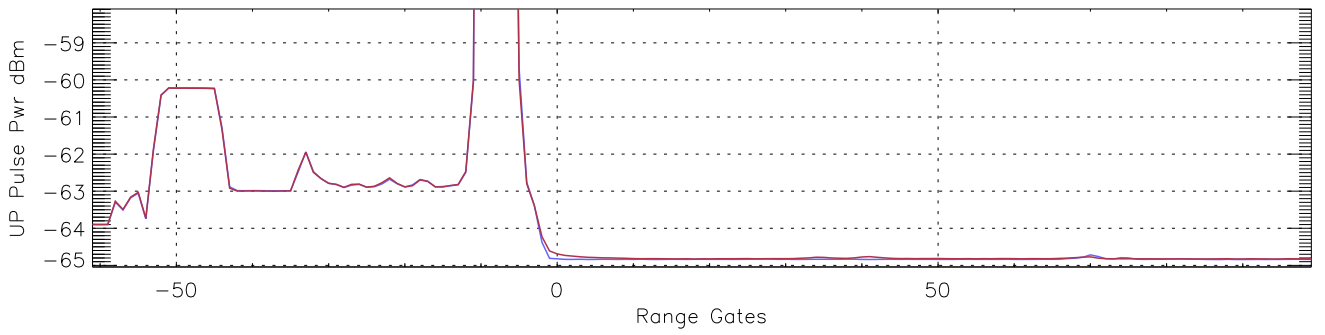
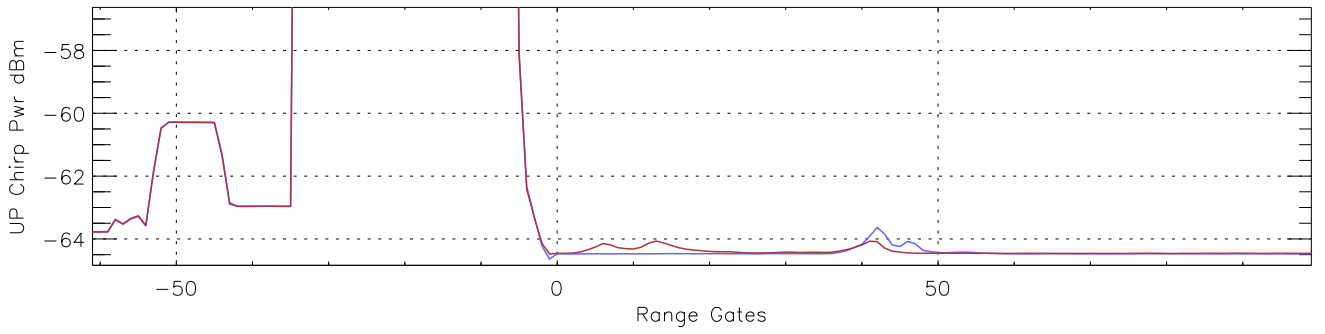


KPR SPP "Best" PPMAG noise (dBm):

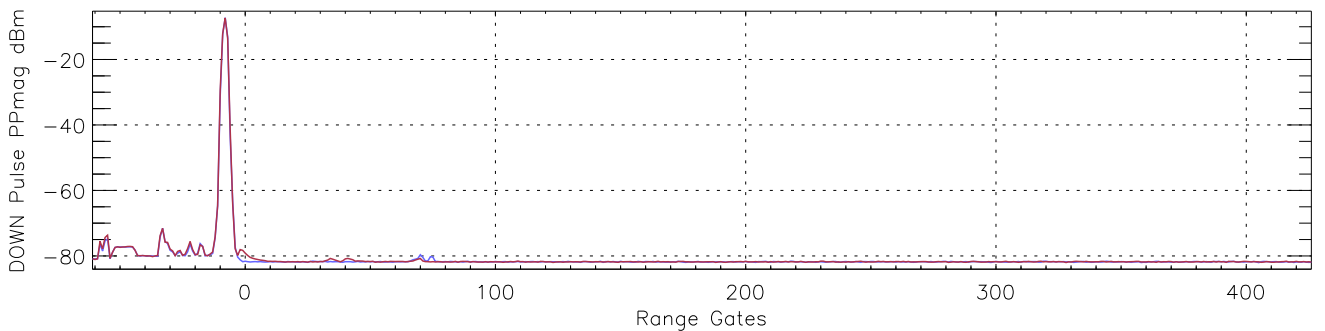
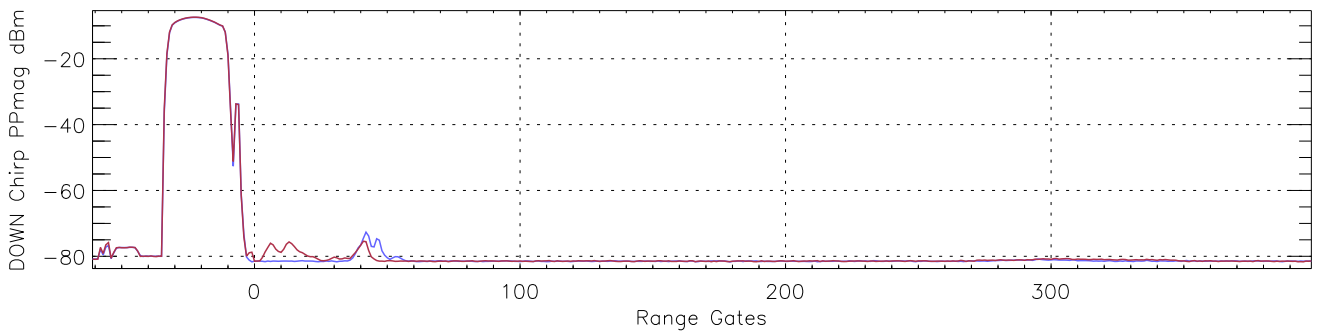
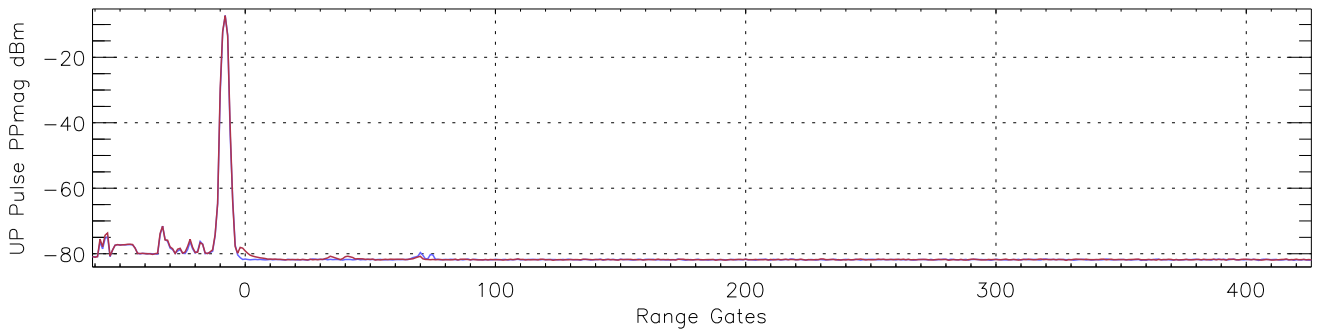
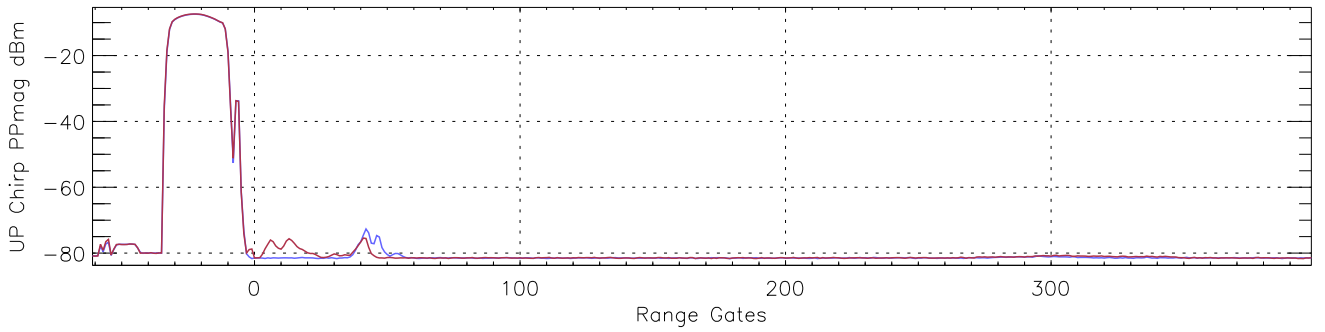
	Min	Max	Mean	Median	StDev
UP_C_RG248_0	-95.72	-76.92	-81.48	-81.79	-84.38
UP_P_RG102_0	-96.93	-77.19	-81.83	-82.05	-84.71
DOWN_C_RG298_0	-95.10	-74.84	-79.95	-80.19	-82.82
DOWN_P_RG326_0	-97.11	-74.88	-80.17	-80.41	-82.98



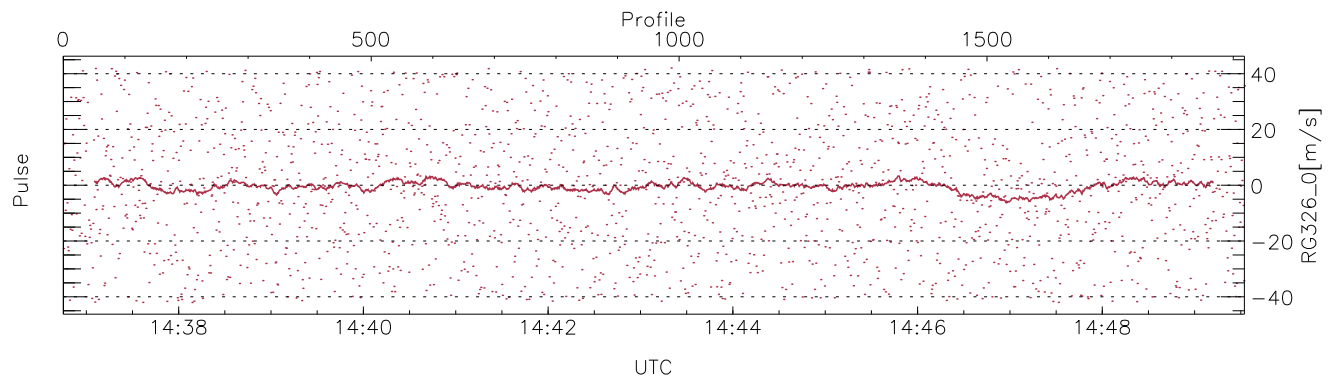
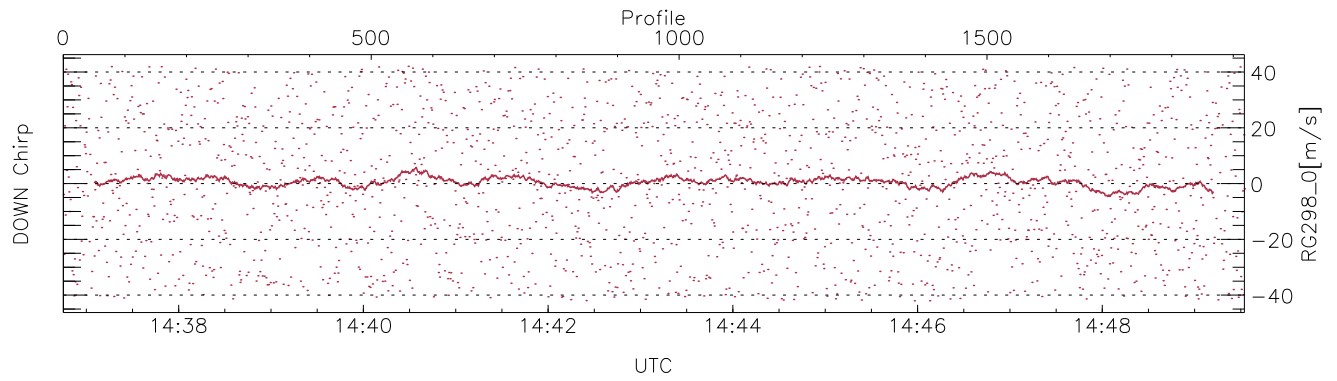
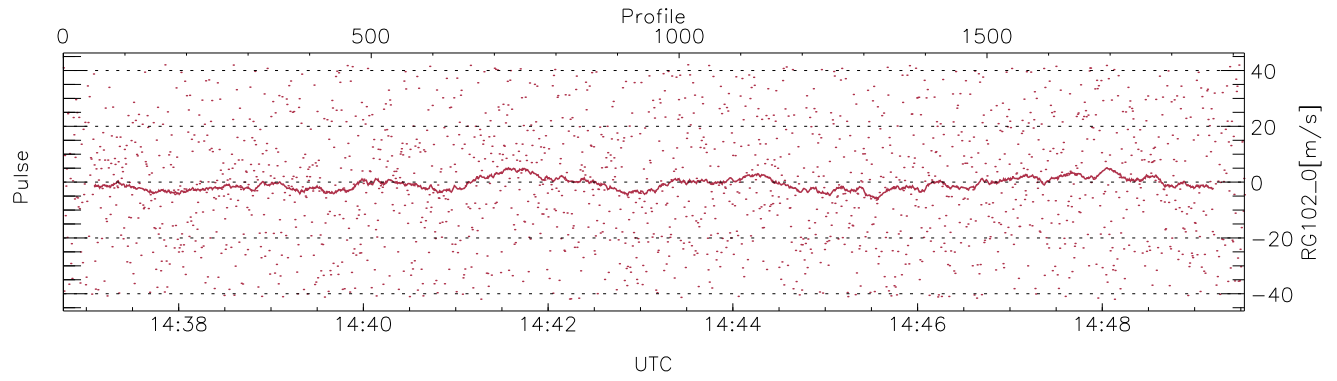
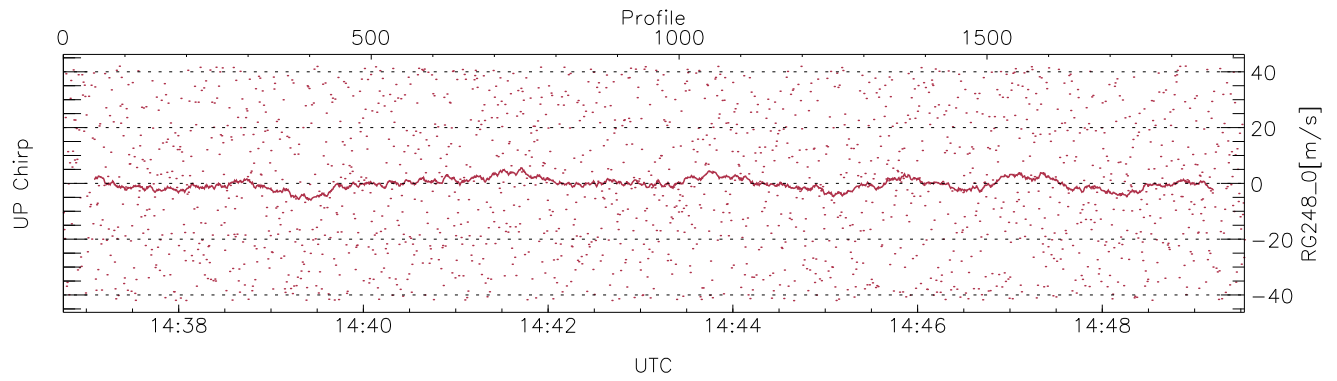
KPR SPP Averaged Received power for all recorded gates
blue: 143645-144308, 960 profiles averaged
red: 144308-144932, 960 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 143645-144308, 960 profiles averaged
red: 144308-144932, 960 profiles averaged

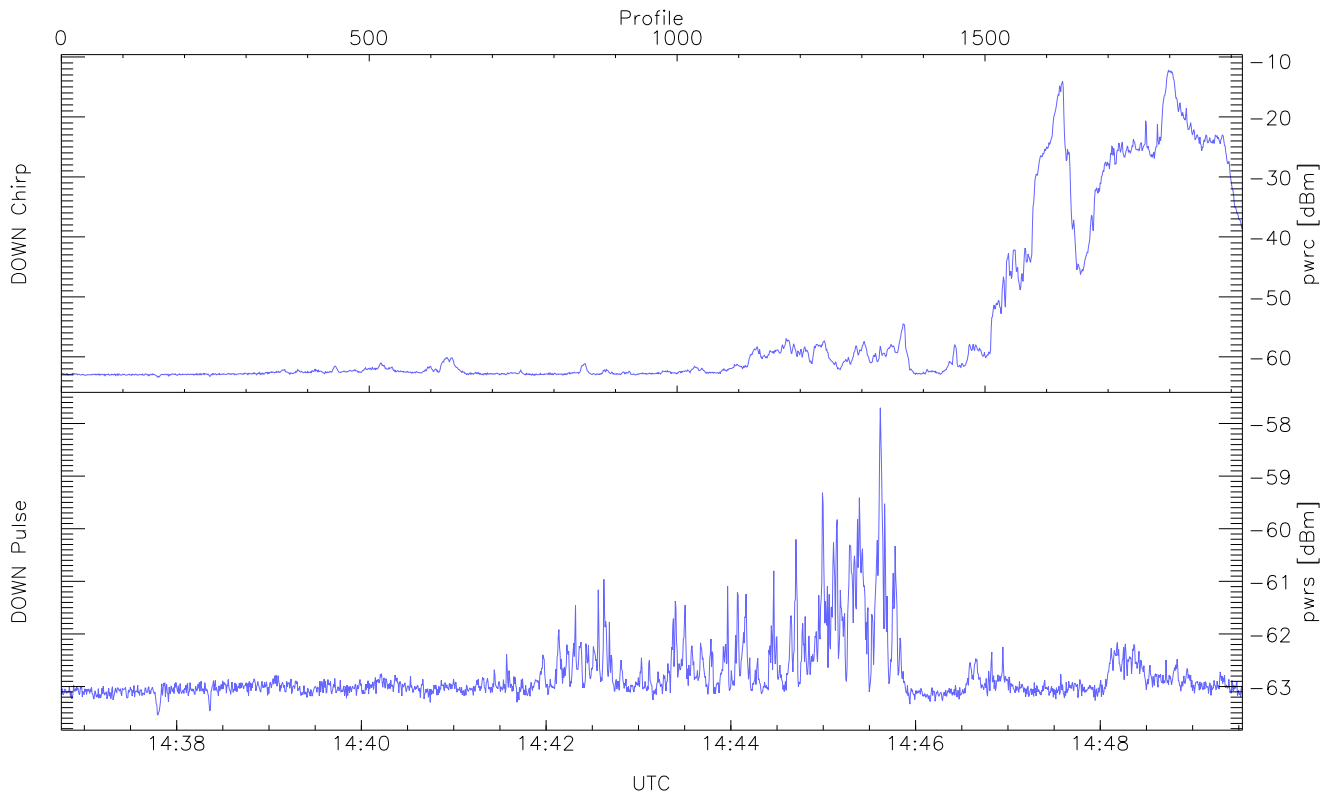
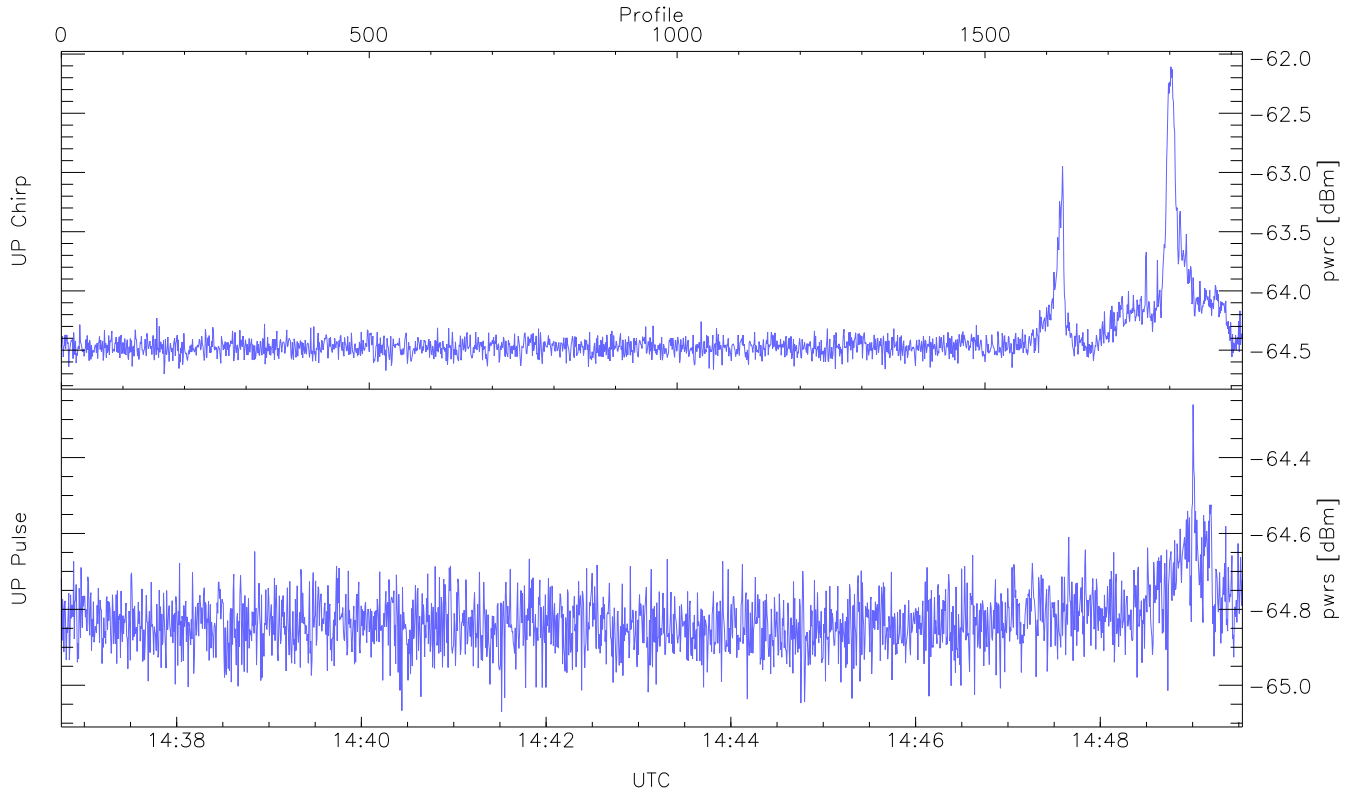


KPR SPP Averaged PP magnitude for all recorded gates
blue: 143645-144308, 960 profiles averaged
red: 144308-144932, 960 profiles averaged



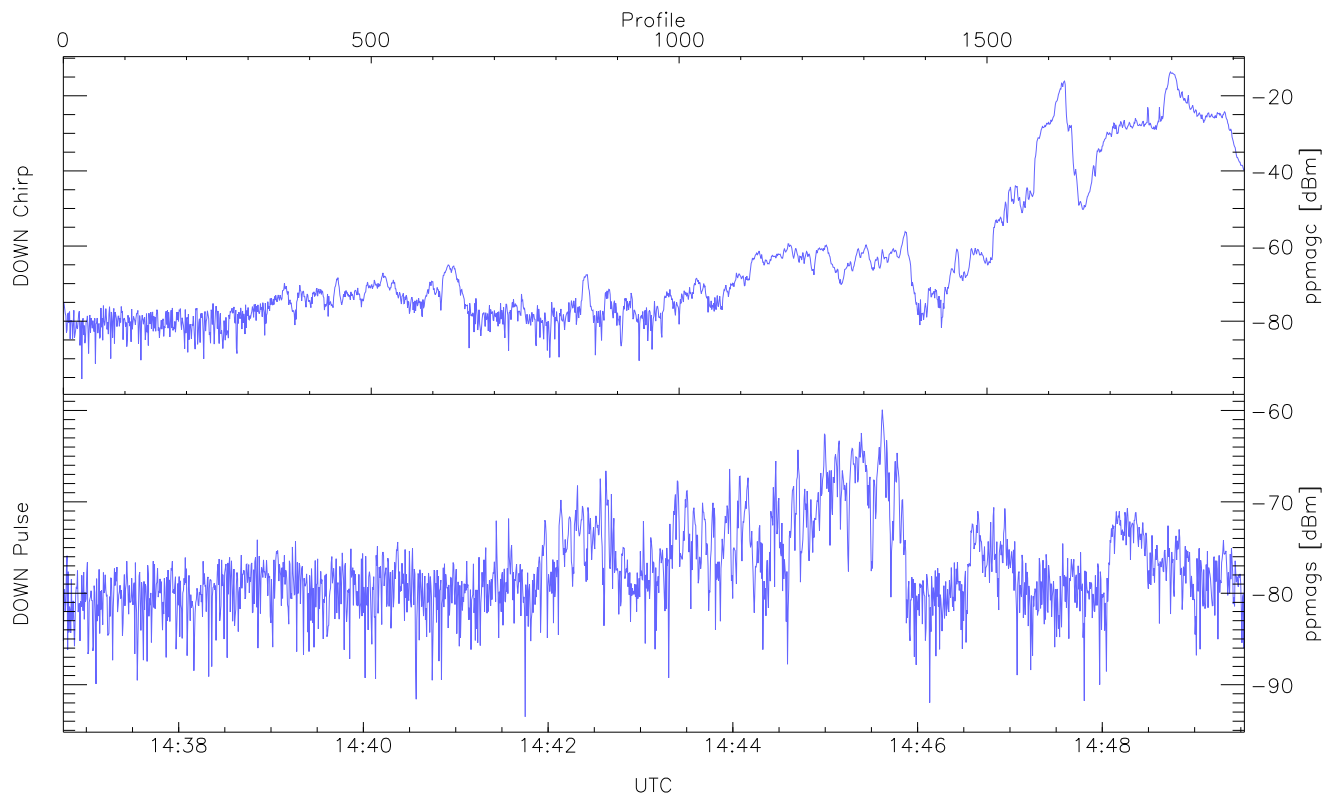
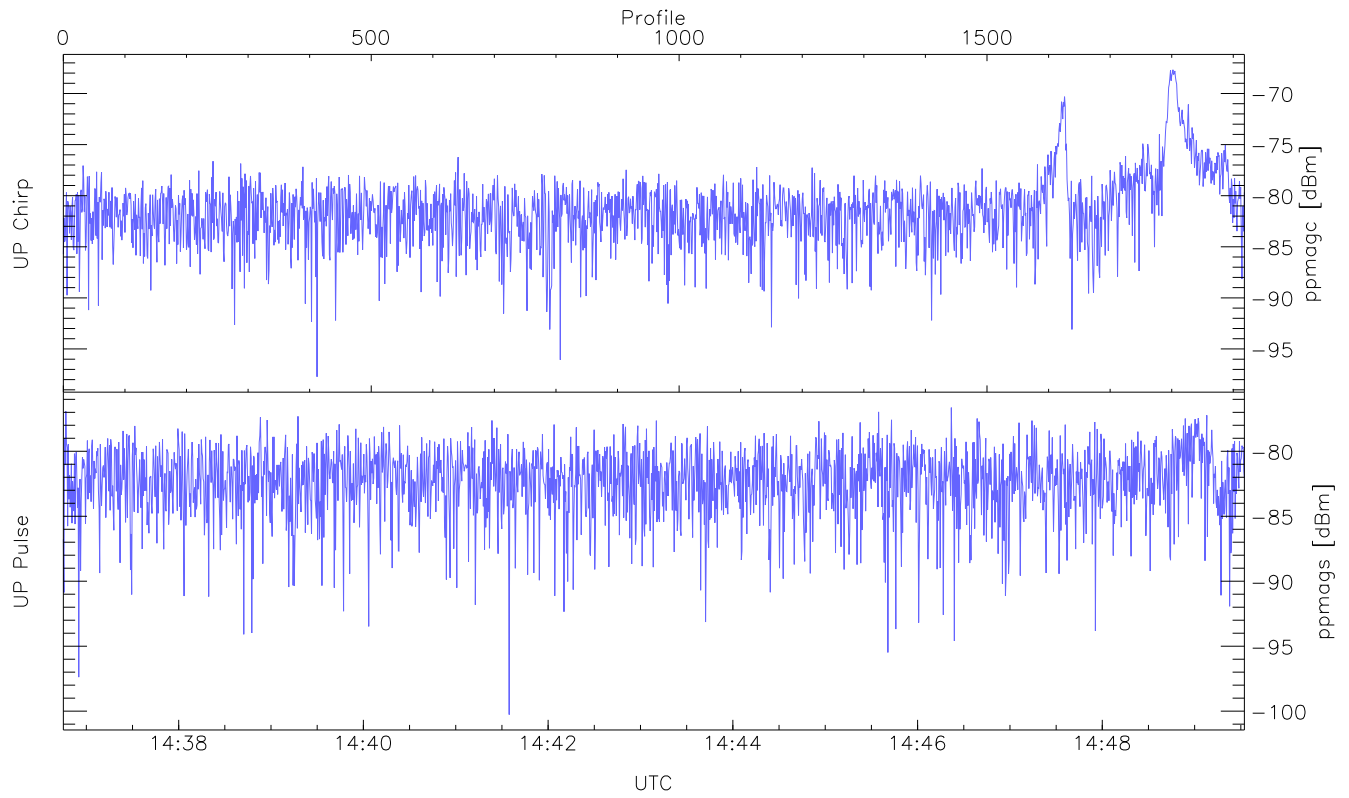
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG248_0	-42.03	42.03	-0.24	-0.78	24.87
UP_P_RG102_0	-41.97	42.06	-0.76	-1.10	21.96
DOWN_C_RG298_0	-42.06	42.04	0.44	0.95	23.93
DOWN_P_RG326_0	-42.02	42.06	-0.53	-0.38	23.06



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

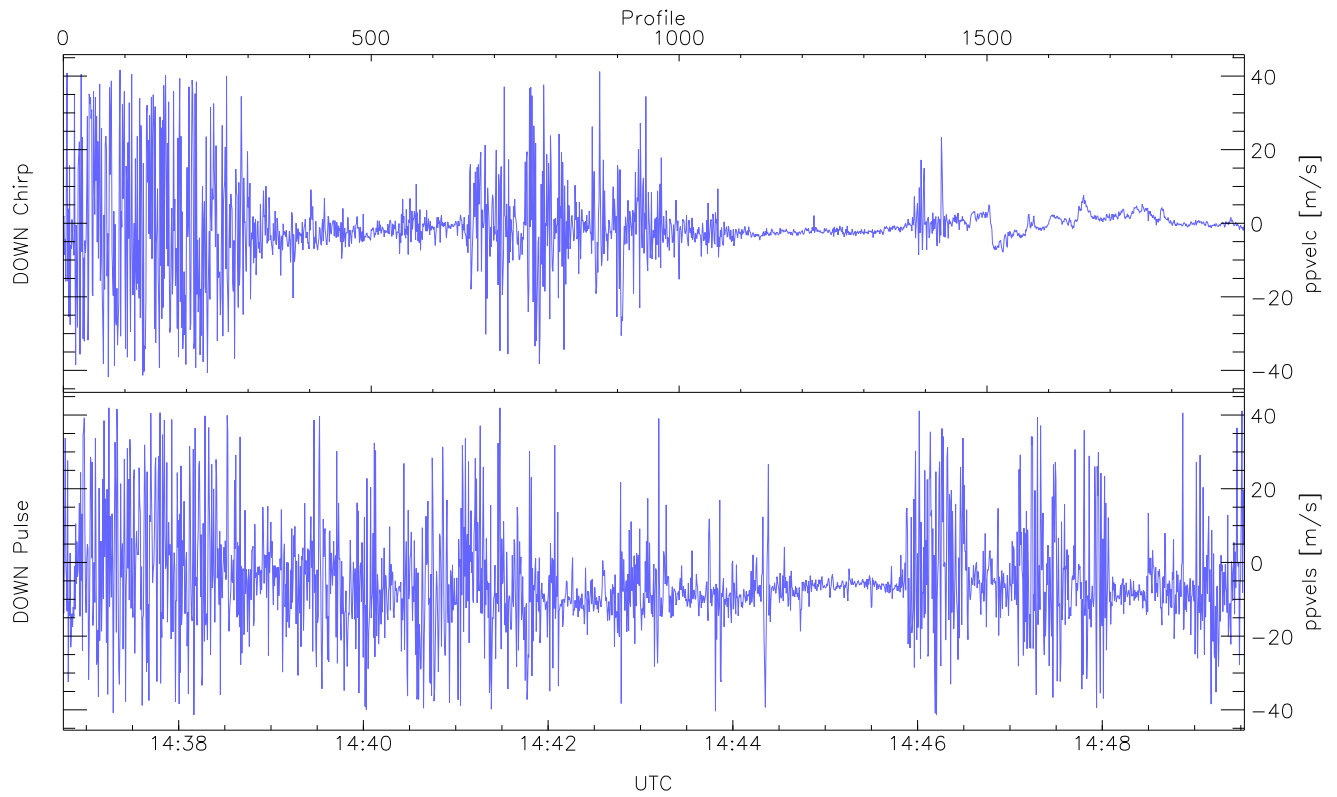
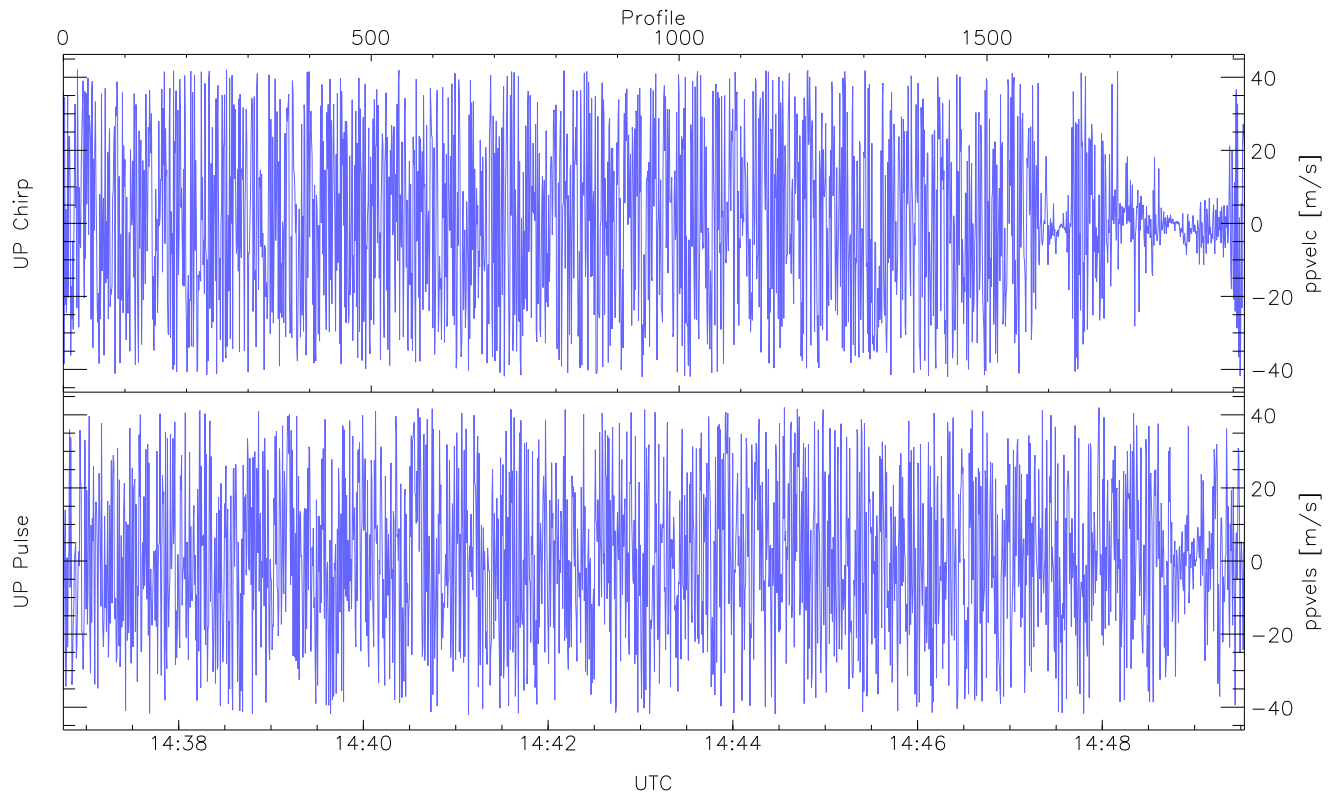
	Min	Max	Mean
UP Chirp(dBm)	-64.70	-62.11	-64.40
UP Pulse(dBm)	-65.07	-64.26	-64.83
DOWN Chirp(dBm)	-63.36	-12.17	-29.30
DOWN Pulse(dBm)	-63.54	-57.70	-62.74



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

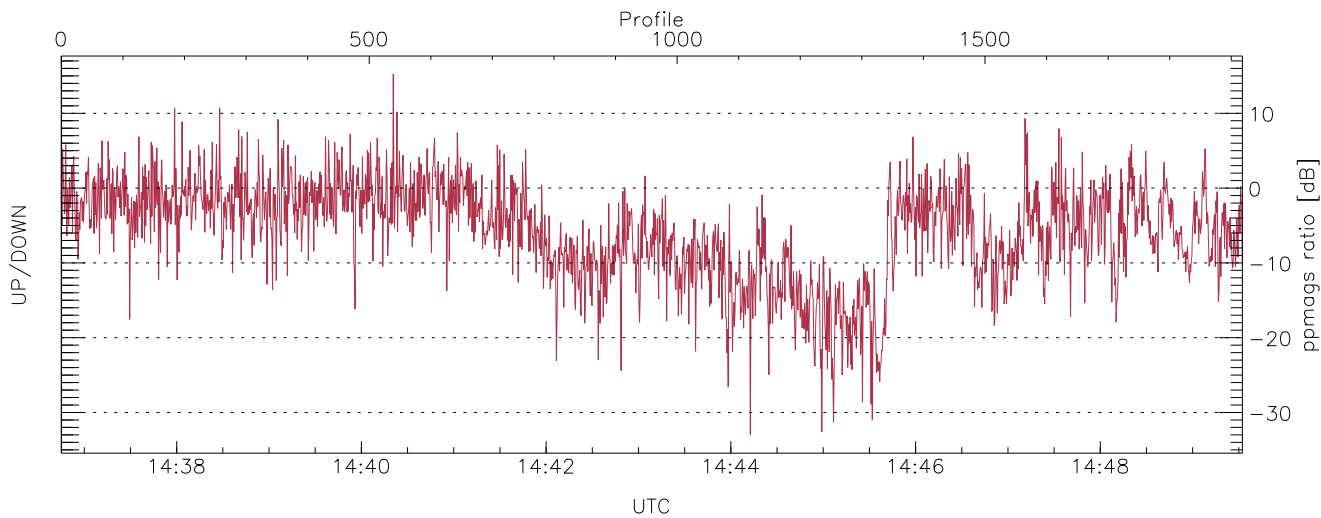
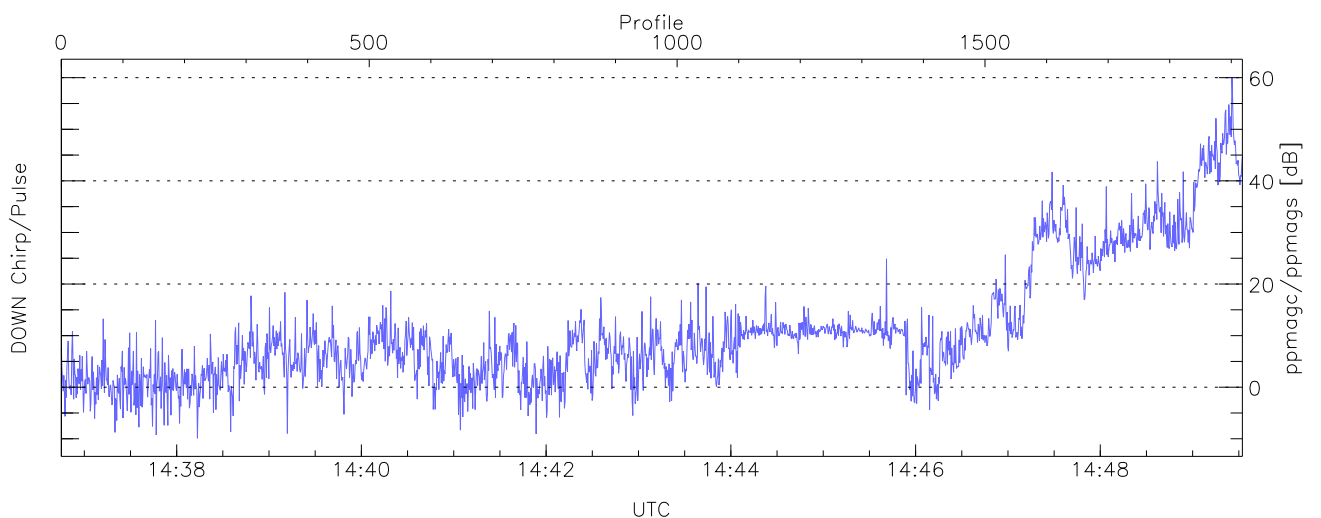
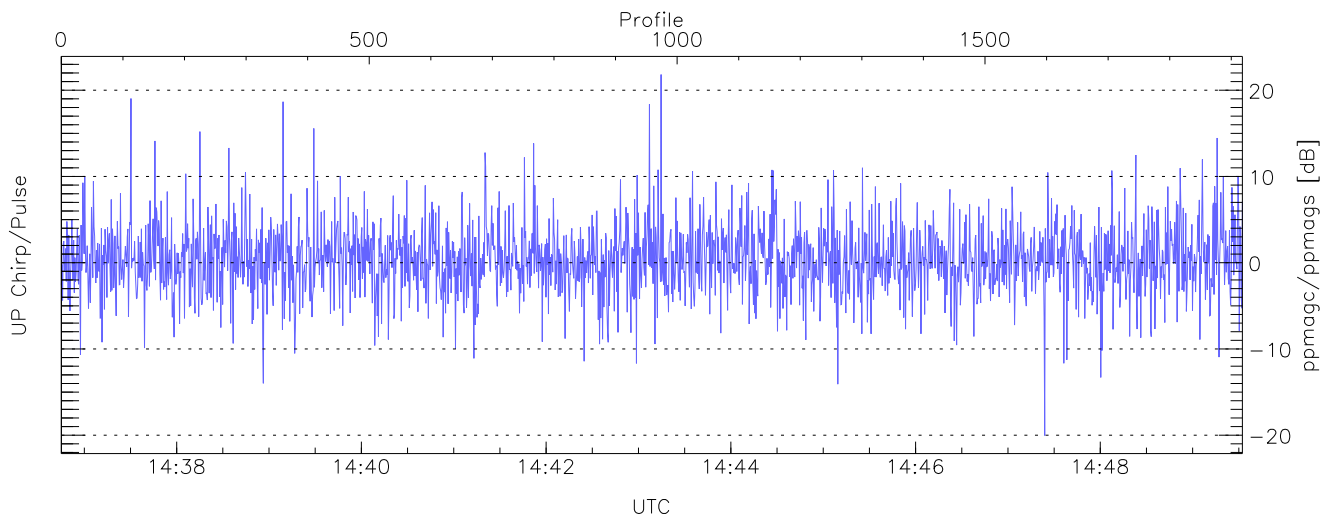
KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-97.73	-67.68	-79.94
UP Pulse(dBm)	-100.27	-76.63	-81.70
DOWN Chirp(dBm)	-95.40	-13.66	-31.01
DOWN Pulse(dBm)	-93.52	-59.92	-74.26



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)	-42.03	42.06	0.81
UP Pulse(m/s)	-42.03	41.99	0.39
DOWN Chirp(m/s)	-41.81	41.66	-1.00
DOWN Pulse(m/s)	-41.34	41.98	-5.29



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-20.03	21.83	2.72
DOWN Chirp/Pulse(dBm)	-9.91	60.08	34.57
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-33.03	15.24	-1.94