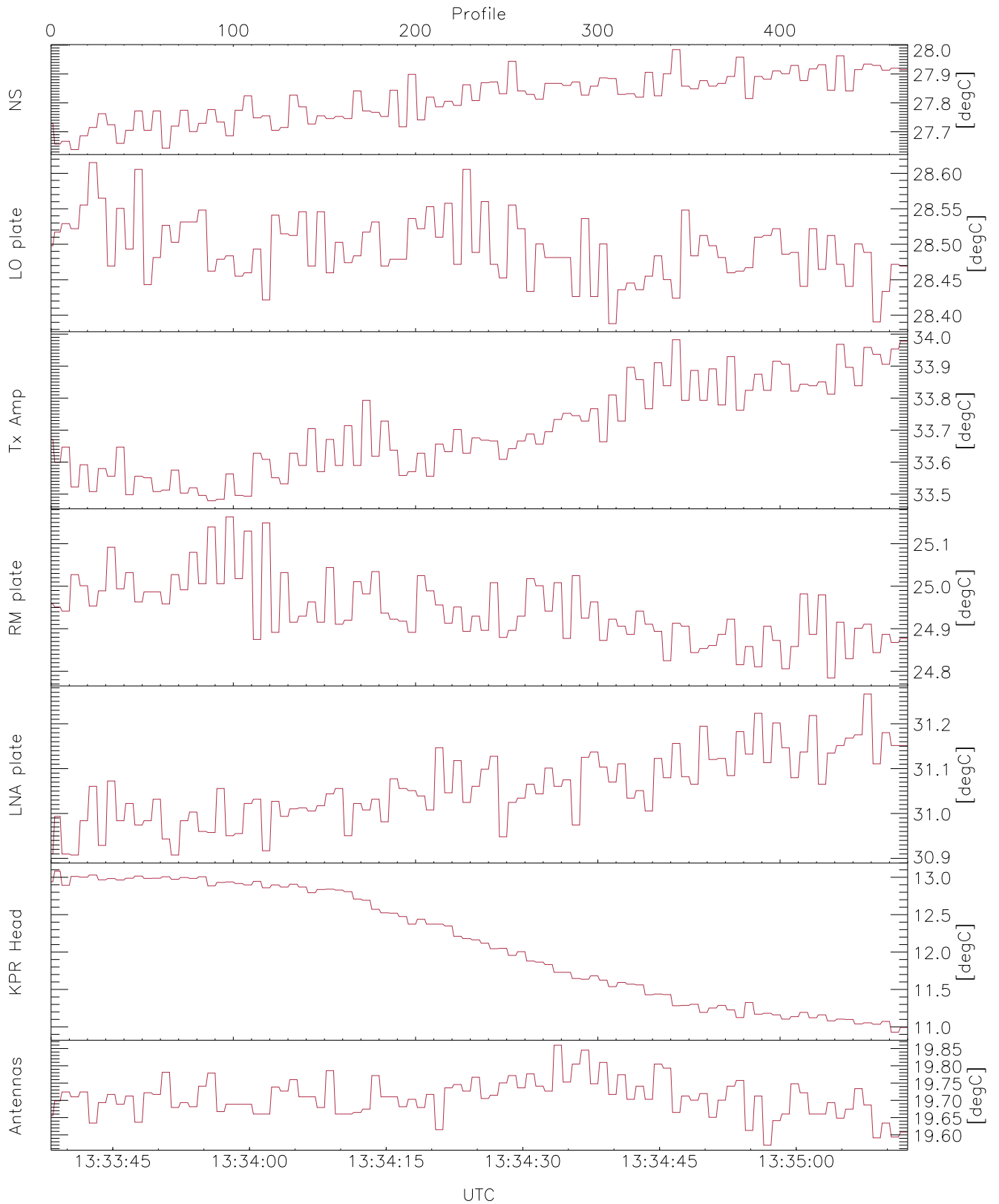


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF  
 UTC: 13:33:38-13:35:12, TimeCor: 0.00s, Dur: 94.01s  
 TimeInt(min,max,mn,std): 199.8,200.2,200.0,0.0 ms; PPS: 5.0  
 NumRec(r/t): 471/471, 0-470/13:33:38-13:35:12  
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.6 KB/s  
 Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 2.0 MHz  
 PRF: 18.5 KHz, avrgPulses: 1852, avrgPP: 926  
 NyquistVel: 38.9 m/s, RangeRes:75.0 m  
 Pulse Range(min,max): 159, 6492 m, Gates: 170  
 Chirp Range(min,max): 1210, 6494 m, Gates: 142  
 RangeGateSampling: 37.5 m, Aspect: 2.1

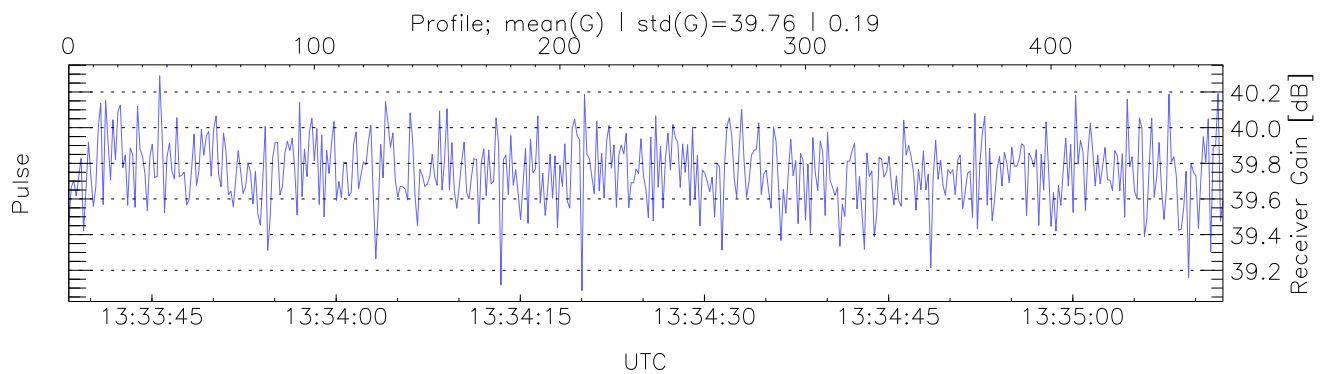
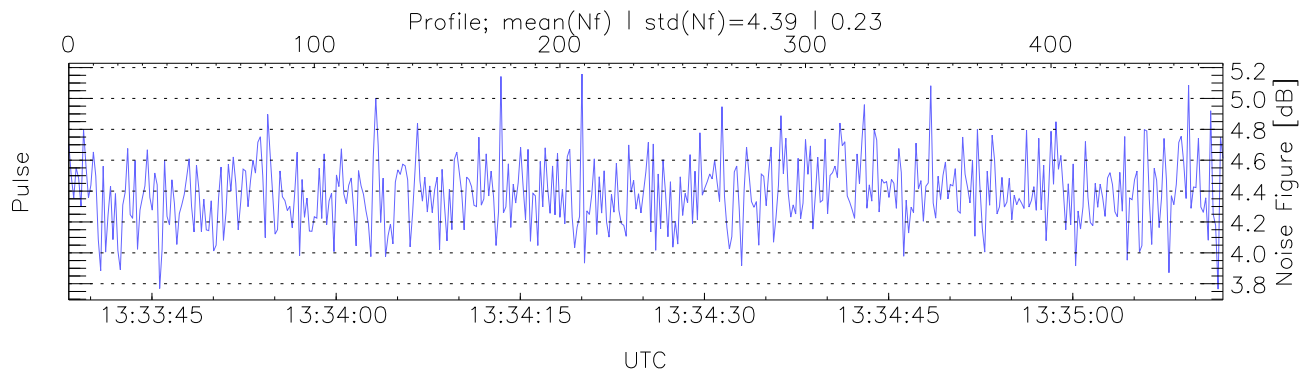
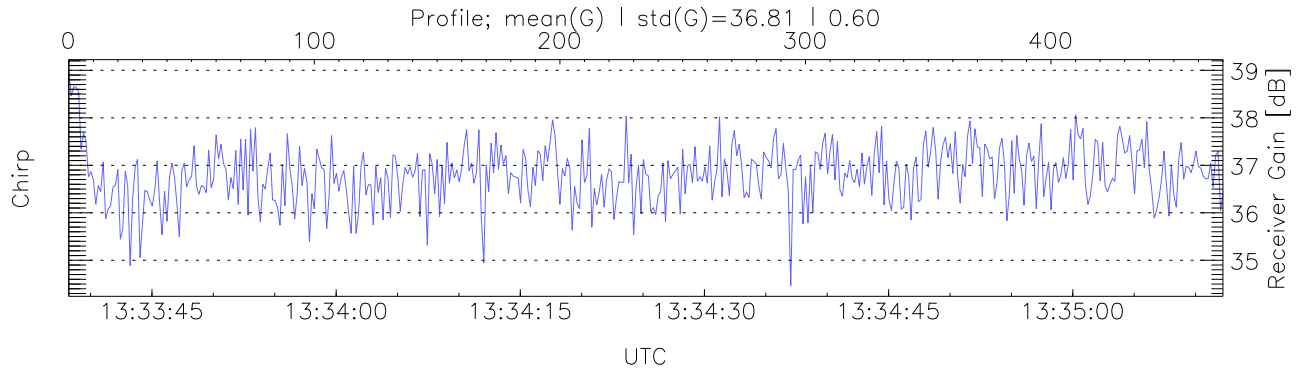
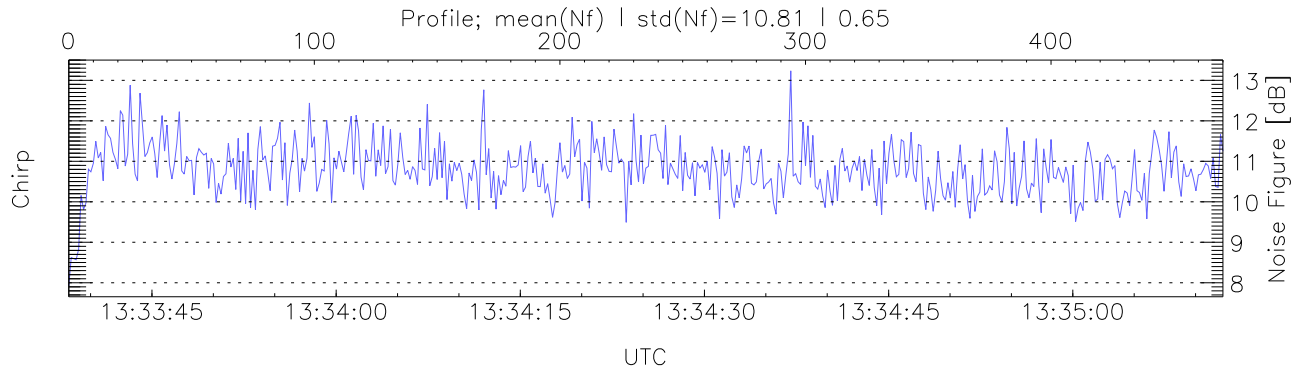


KPR SPP Temperatures, Power Supplies, PLO lock:

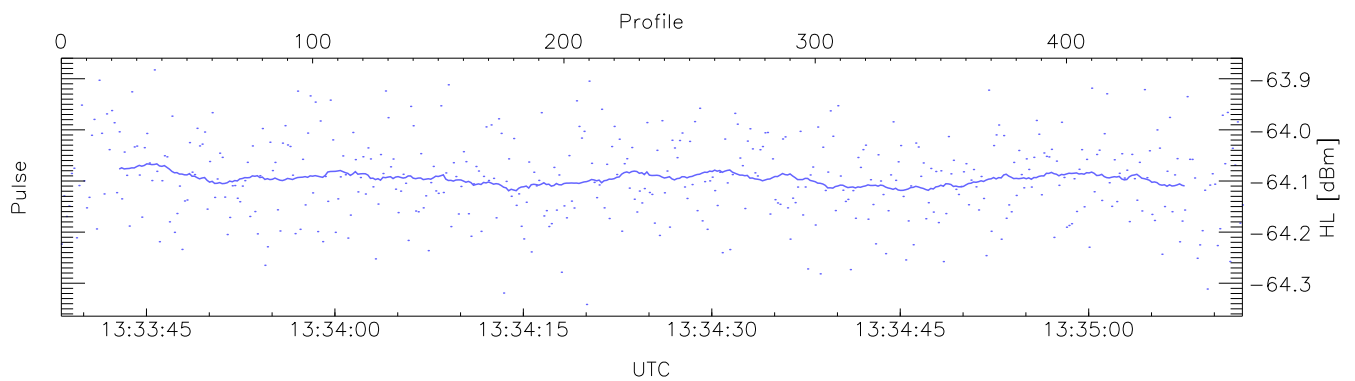
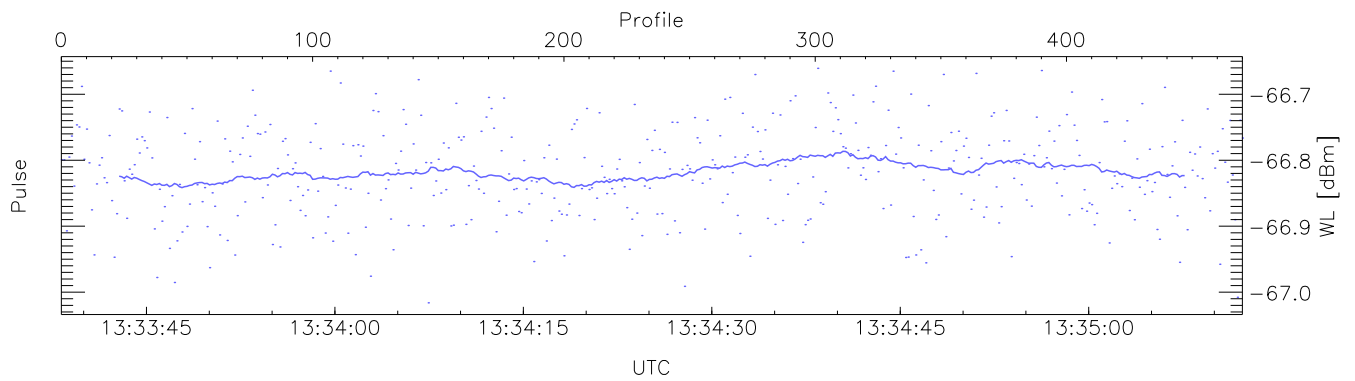
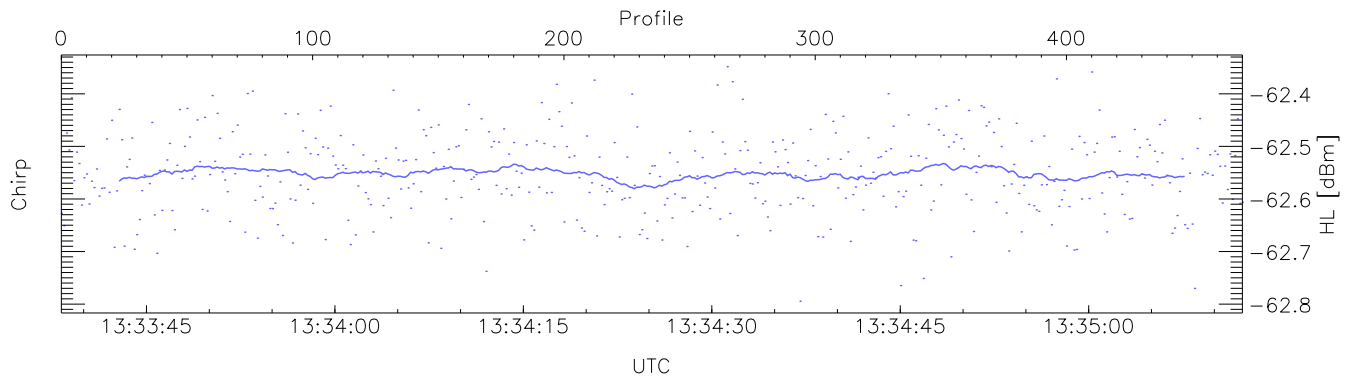
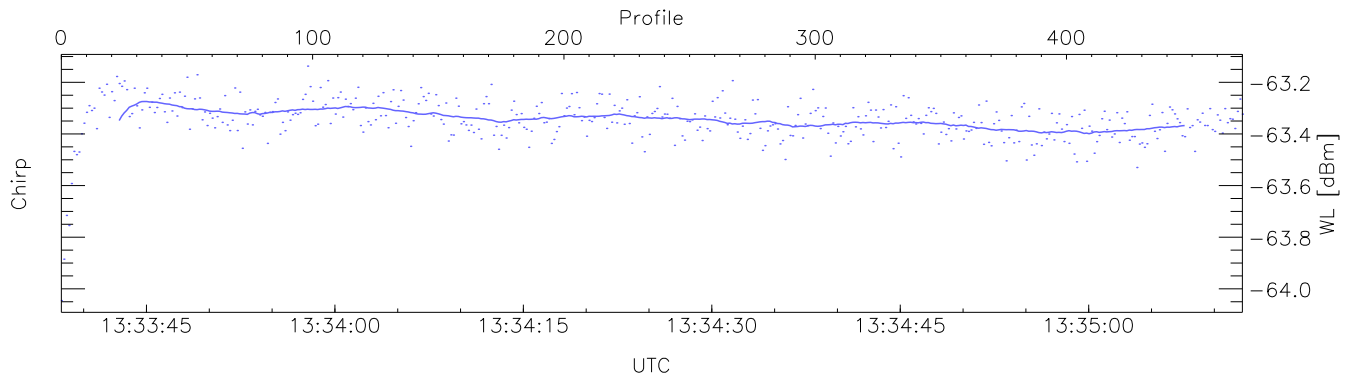
mintempC: 27.6, 28.4, 33.5, 24.8, 30.9, 10.9, 19.6  
 maxtempC: 28.0, 28.6, 34.0, 25.2, 31.3, 13.1, 19.9

minVDC: 26.44, 11.69, 7.84, 5.21  
 maxVDC: 27.74, 11.76, 7.86, 5.23

PLO(3.84,15.84 GHz) unlocked: None

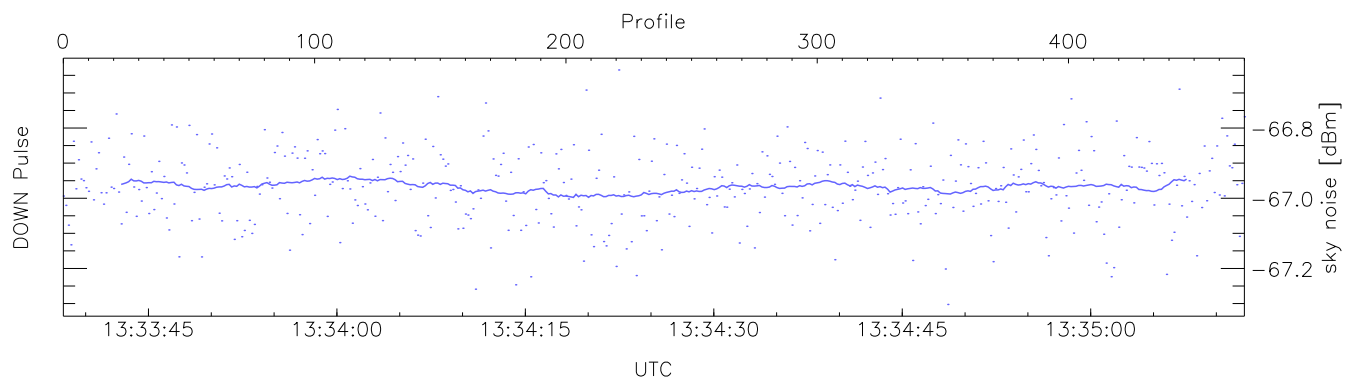
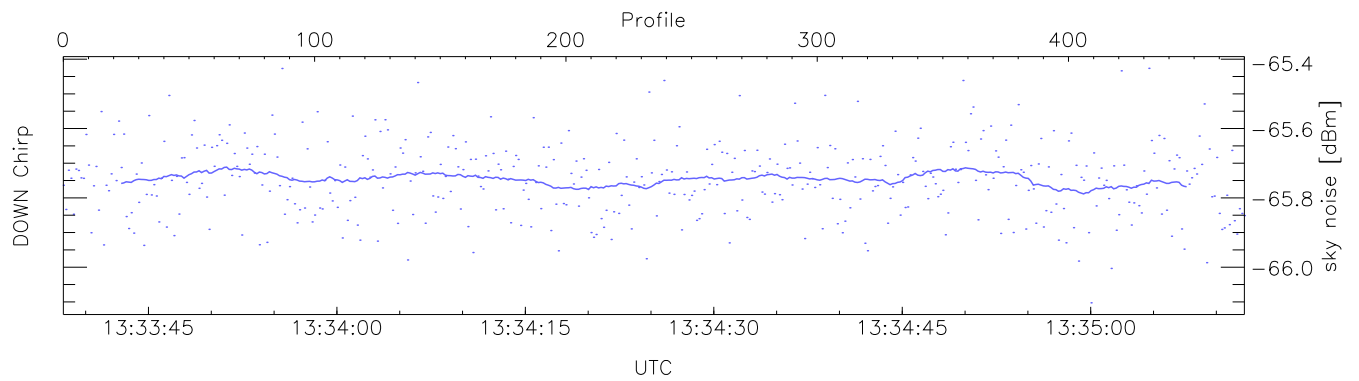
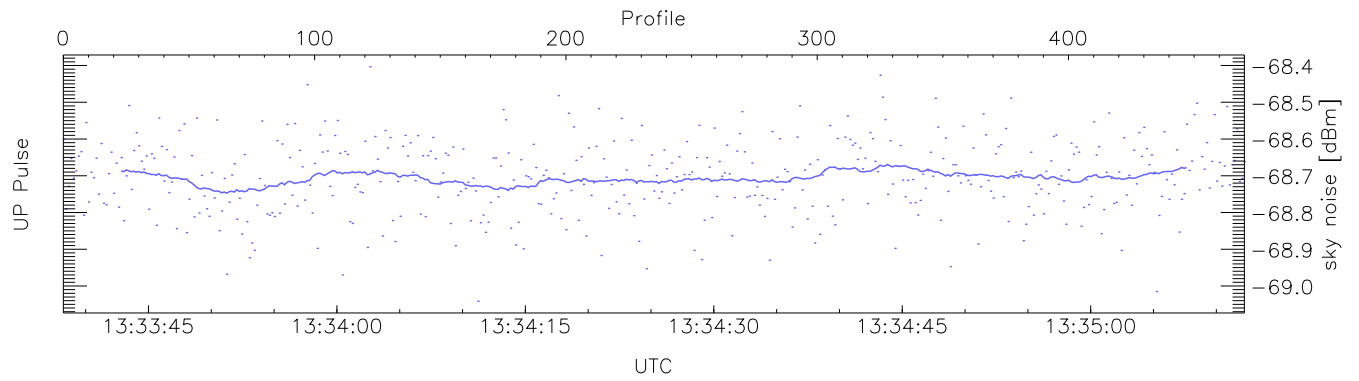
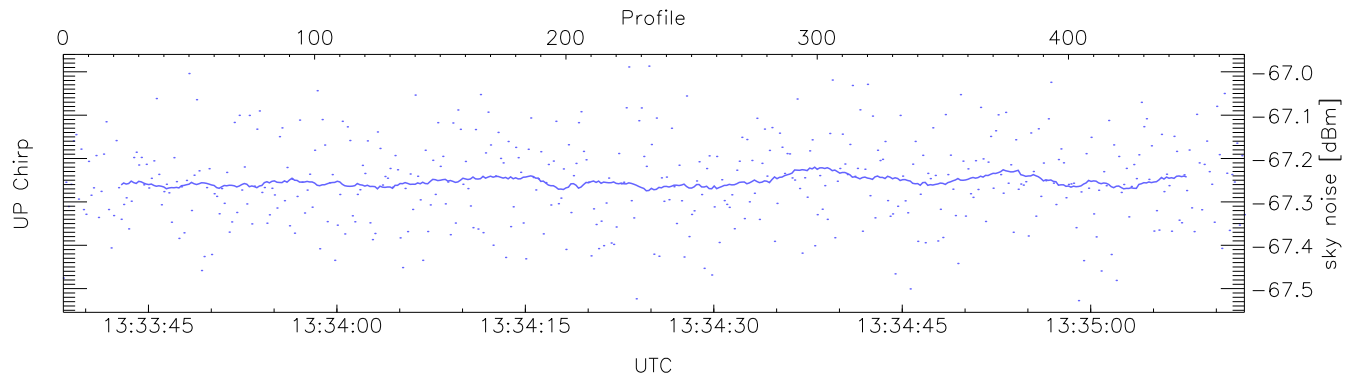


KPR SPP Receiver Gain and Noise Figure



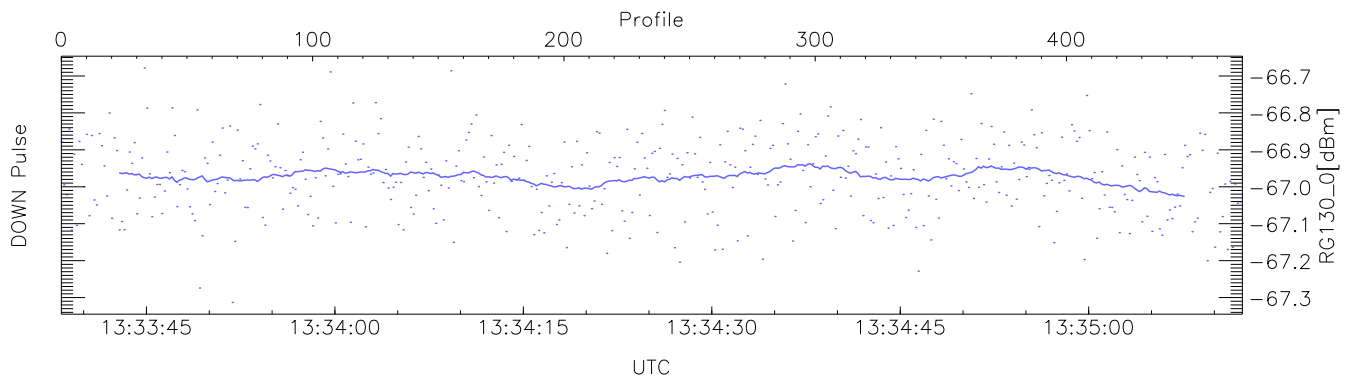
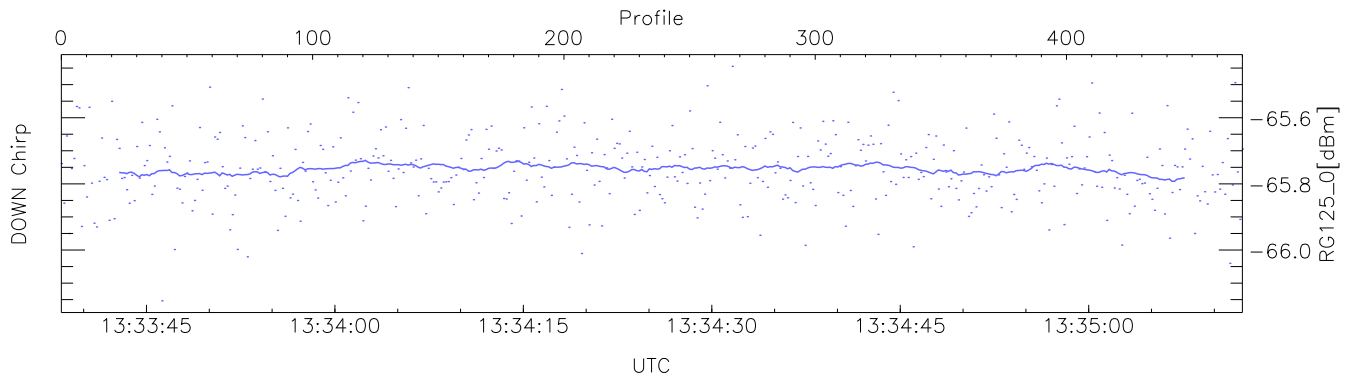
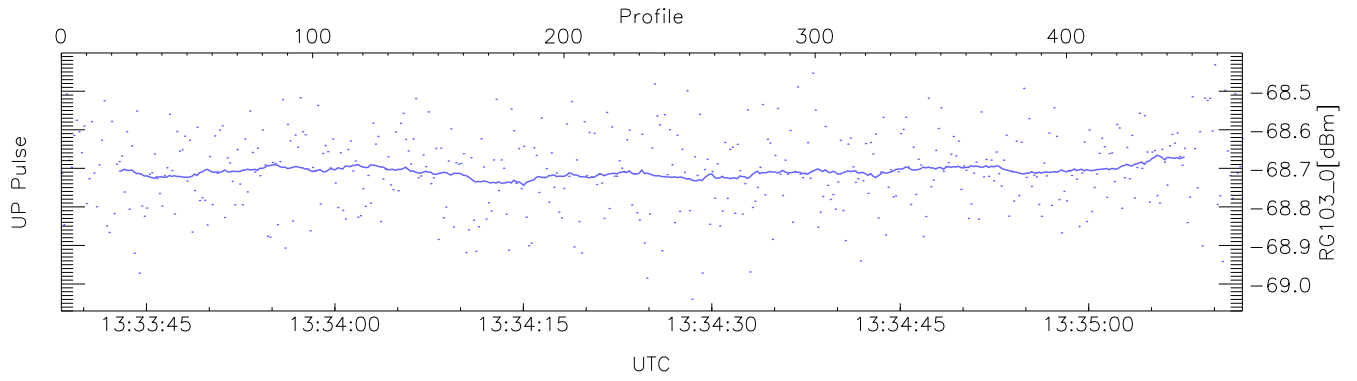
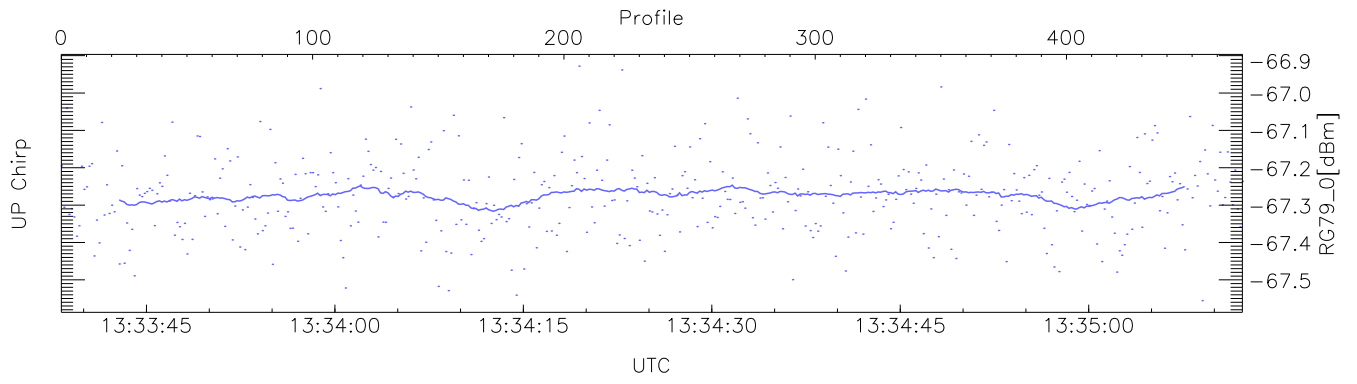
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-64.05	-63.14	-63.35	-63.34	-80.64
Chirp(HL [dBm])	-62.79	-62.35	-62.55	-62.56	-80.11
Pulse(WL [dBm])	-67.02	-66.66	-66.82	-66.81	-84.89
Pulse(HL [dBm])	-64.34	-63.88	-64.10	-64.09	-81.45



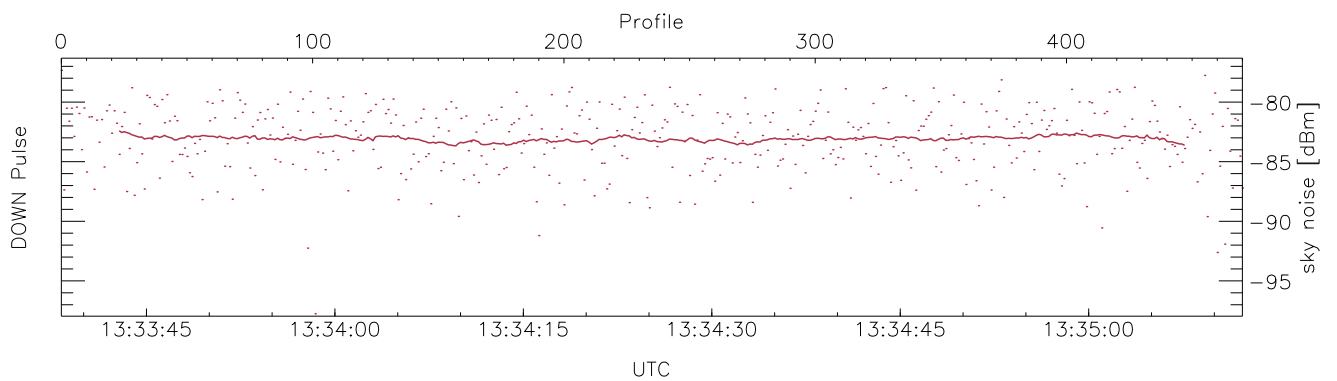
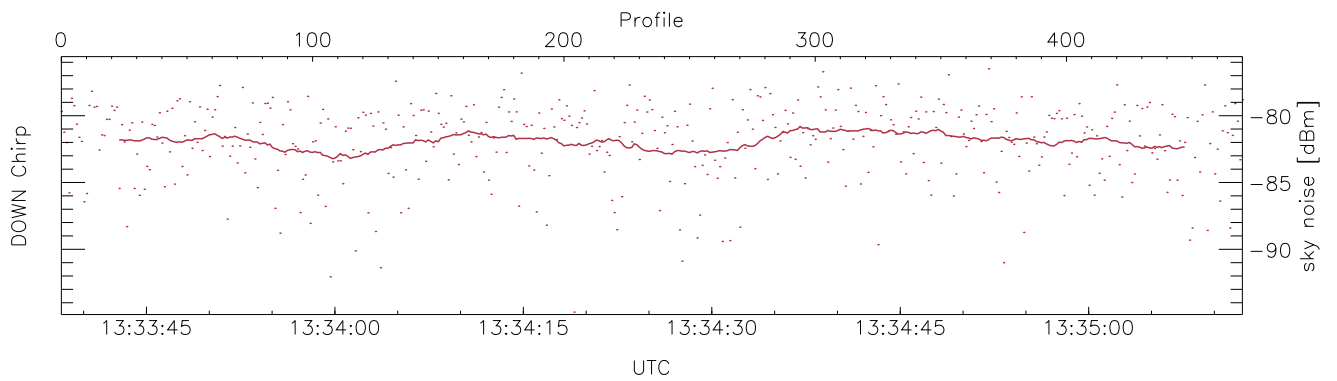
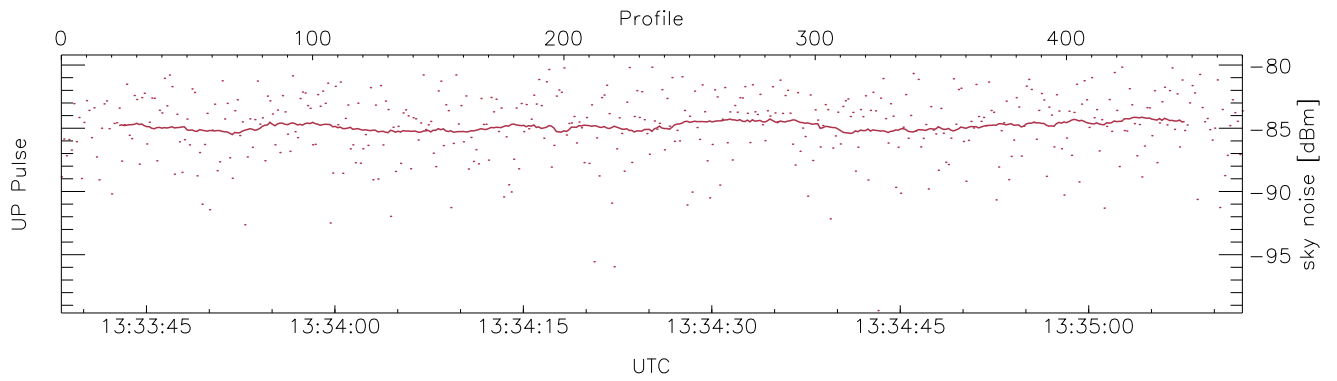
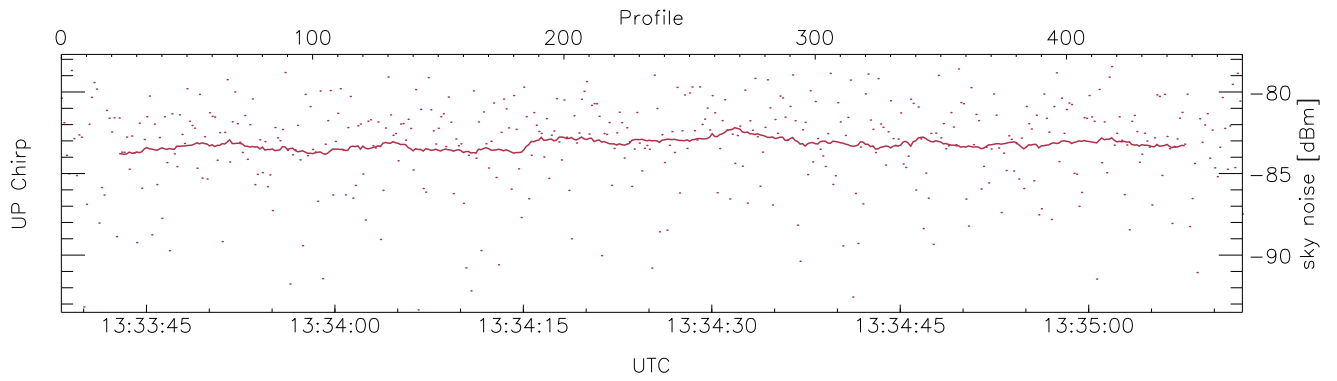
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.53	-66.99	-67.25	-67.25	-83.70
UP Pulse(dBm)	-69.04	-68.40	-68.70	-68.70	-85.10
DOWN Chirp(dBm)	-66.10	-65.43	-65.75	-65.74	-81.88
DOWN Pulse(dBm)	-67.30	-66.63	-66.97	-66.97	-83.22



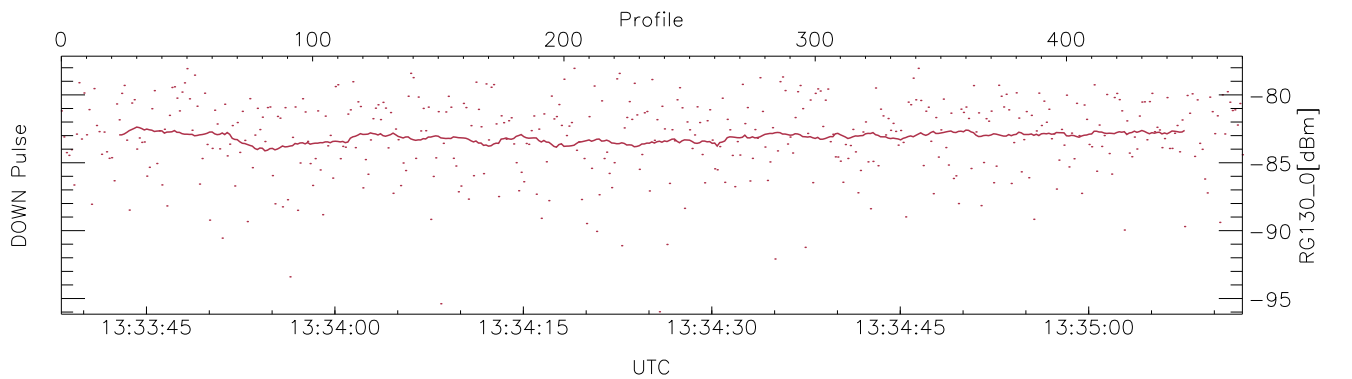
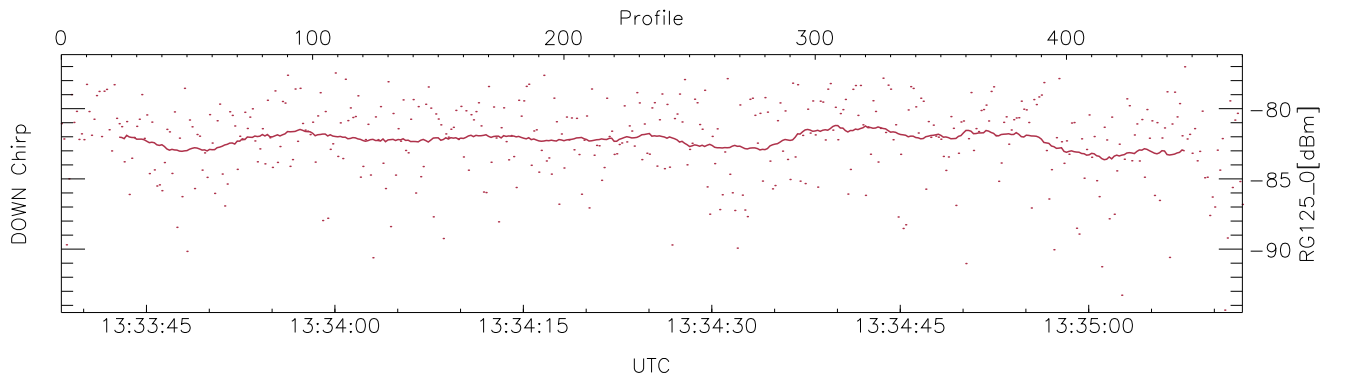
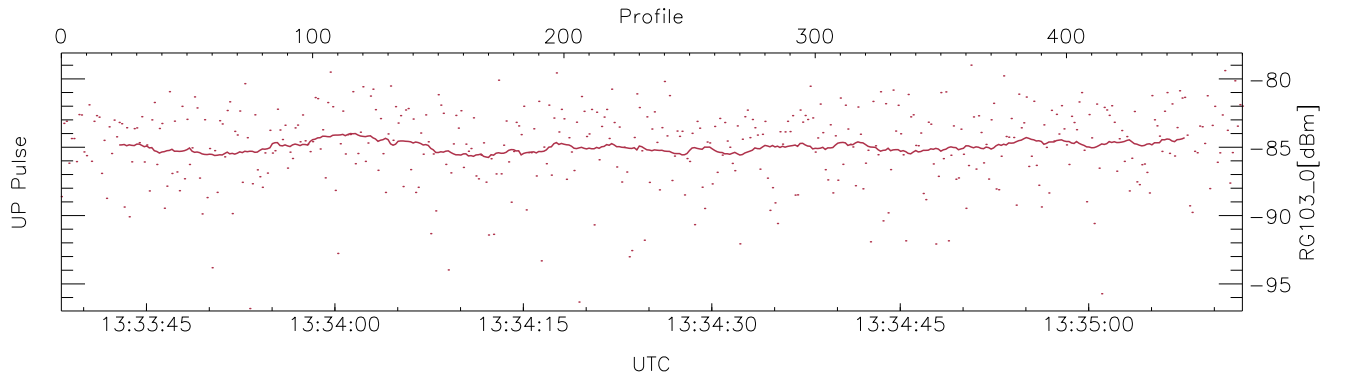
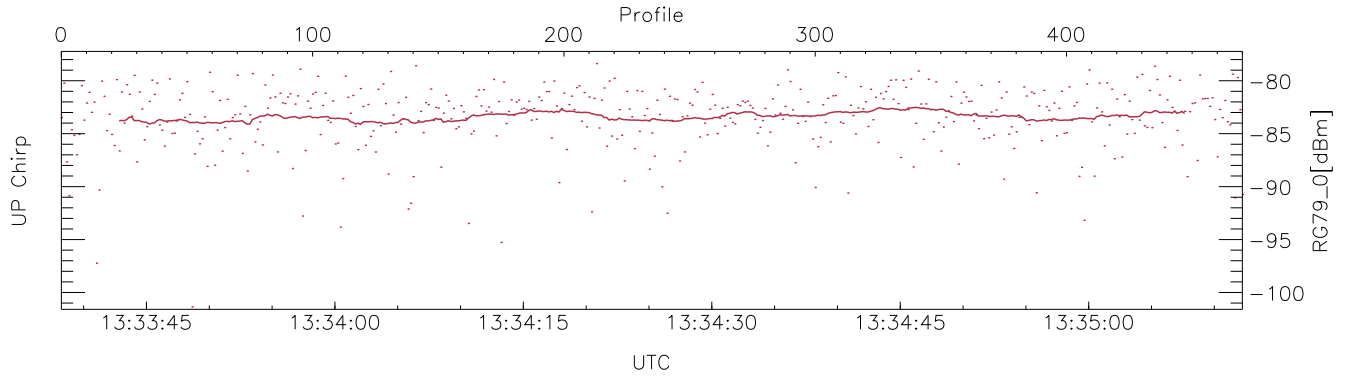
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG79_0	-67.56	-66.93	-67.27	-67.28	-83.53
UP_P_RG103_0	-69.04	-68.43	-68.71	-68.71	-85.03
DOWN_C_RG125_0	-66.15	-65.44	-65.76	-65.76	-82.08
DOWN_P_RG130_0	-67.31	-66.68	-66.97	-66.98	-83.31



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

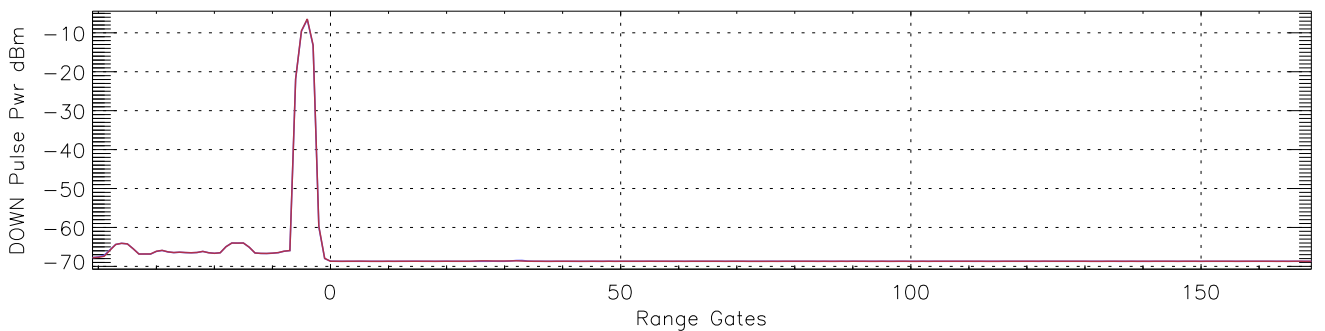
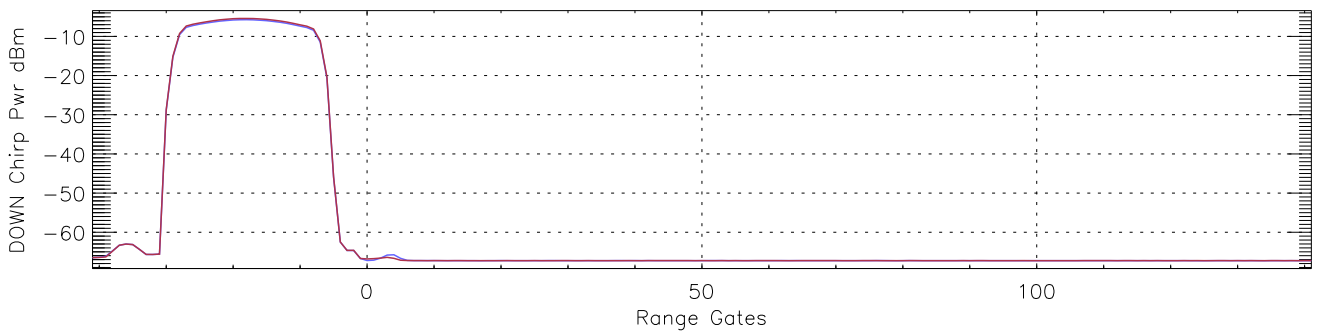
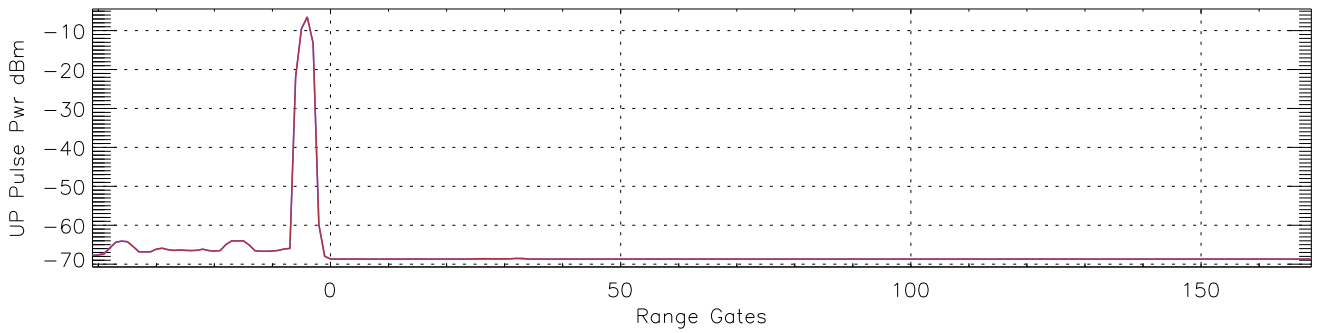
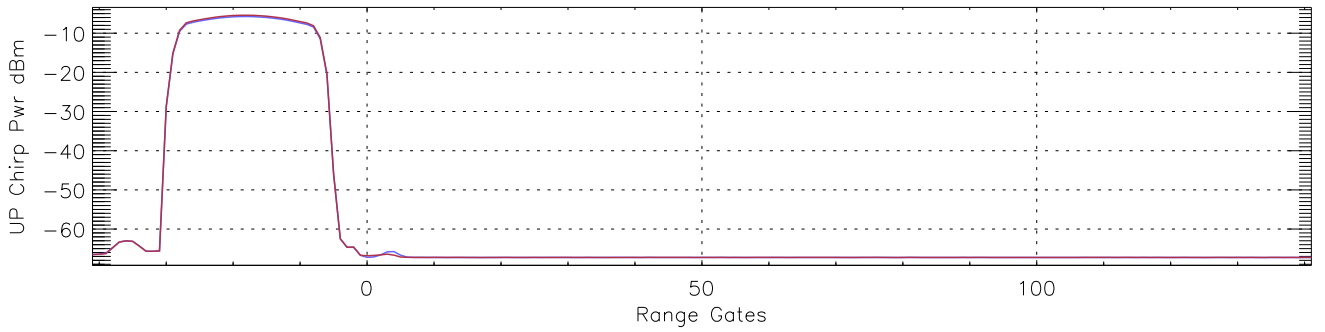
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-93.36	-78.44	-82.52	-82.69	-85.44
UP Pulse(dBm)	-99.42	-80.17	-84.16	-84.46	-87.02
DOWN Chirp(dBm)	-94.70	-76.49	-81.17	-81.29	-83.98
DOWN Pulse(dBm)	-97.76	-77.34	-82.35	-82.73	-84.99



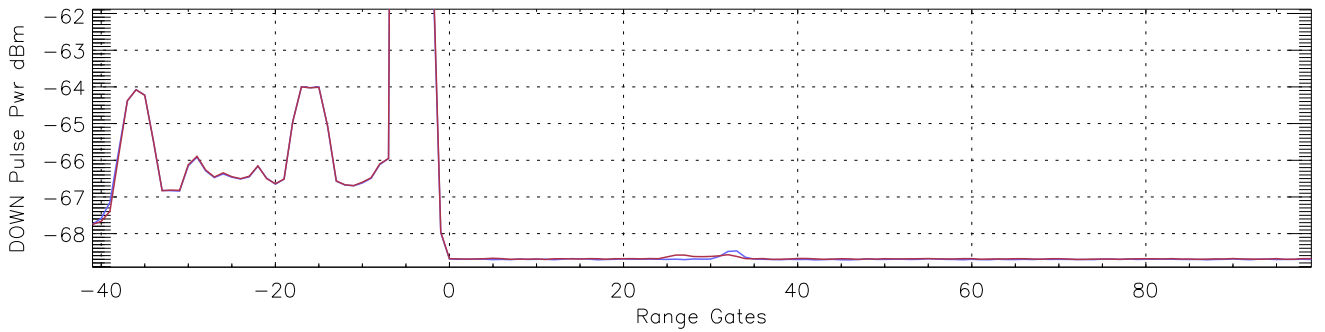
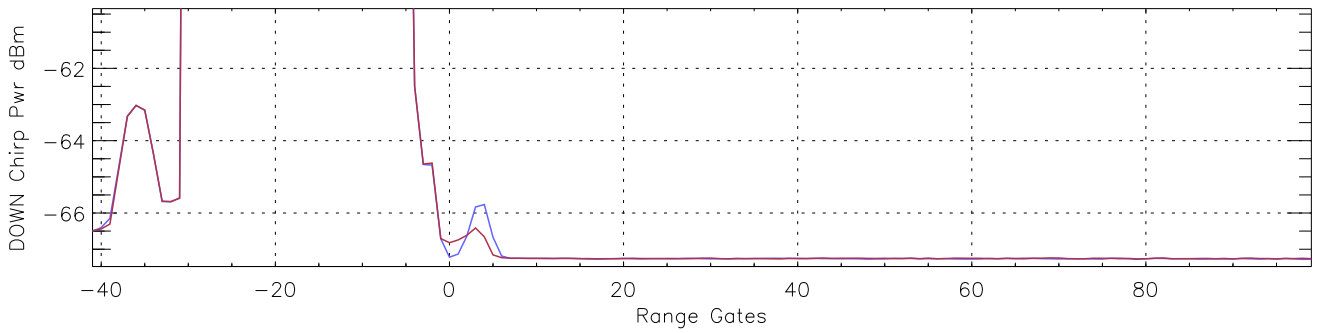
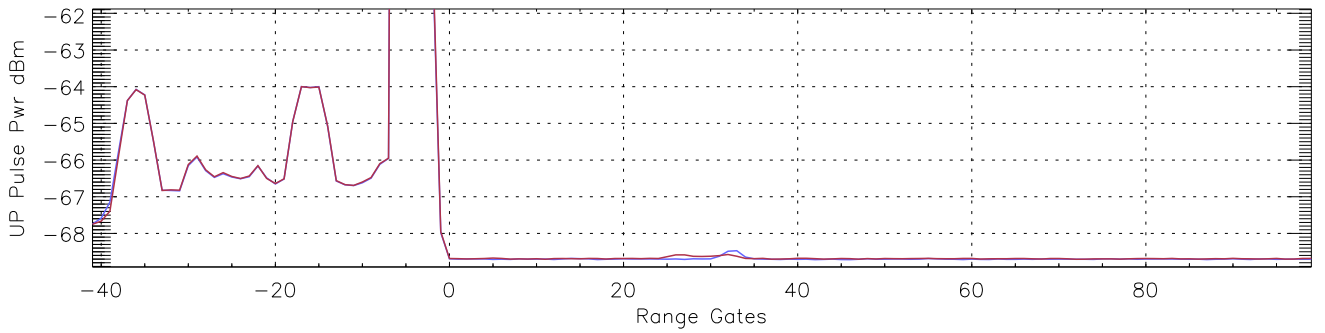
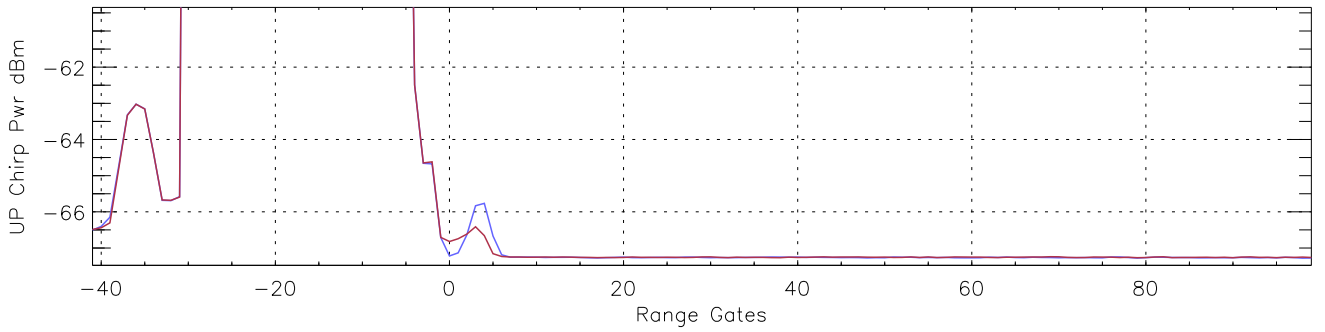
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG79_0	-101.36	-78.38	-82.66	-82.80	-85.53
UP_P_RG103_0	-96.80	-79.00	-84.12	-84.36	-86.70
DOWN_C_RG125_0	-94.34	-77.02	-81.50	-81.84	-84.19
DOWN_P_RG130_0	-95.97	-78.05	-82.32	-82.66	-84.95

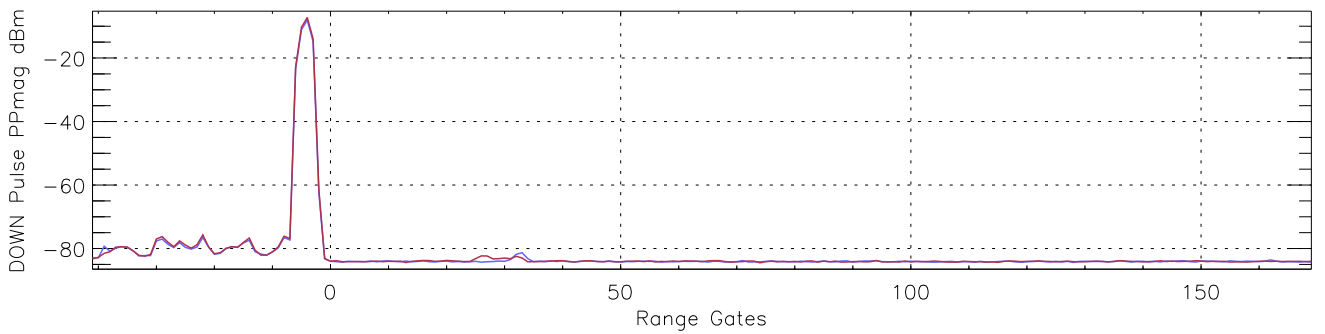
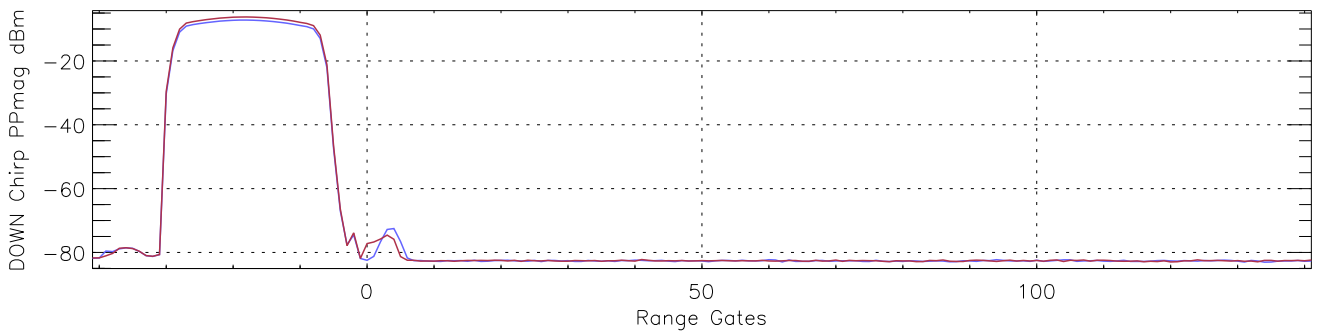
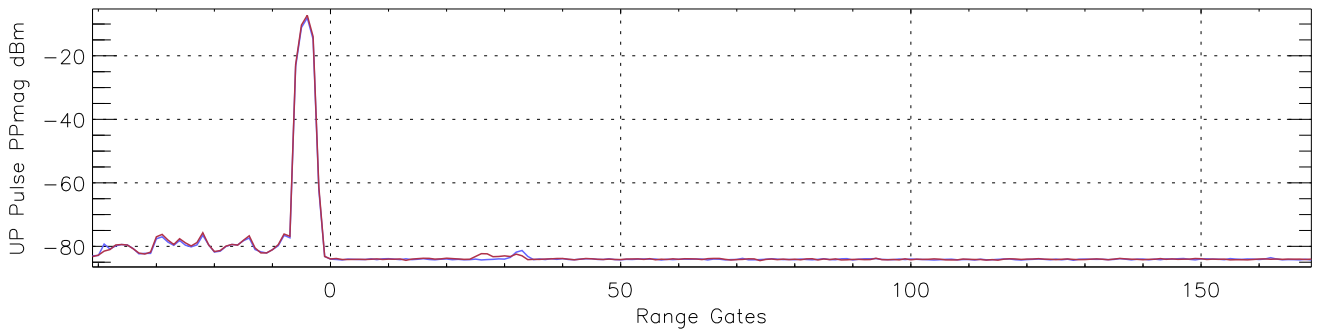
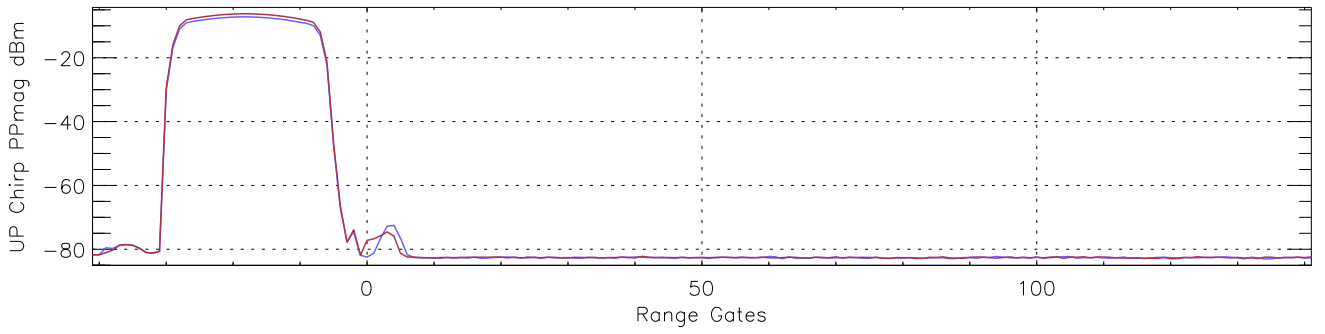




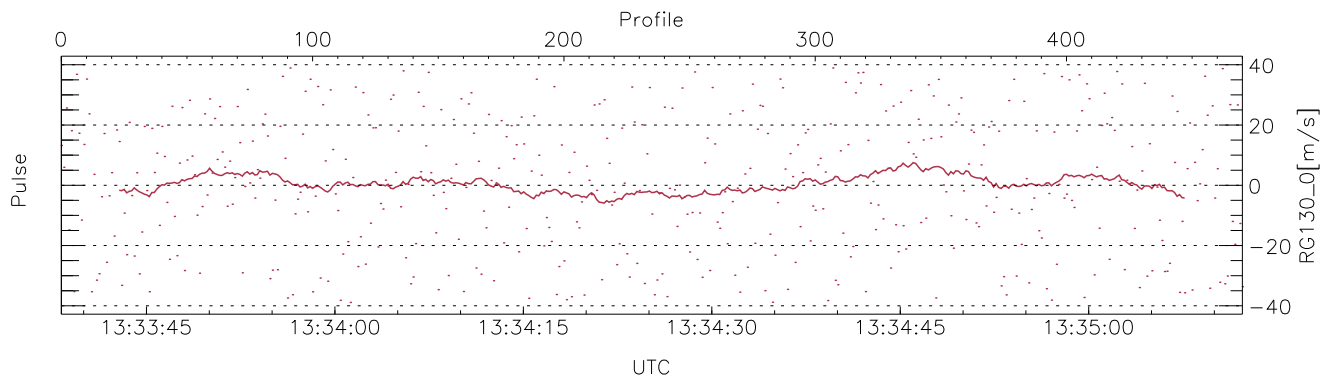
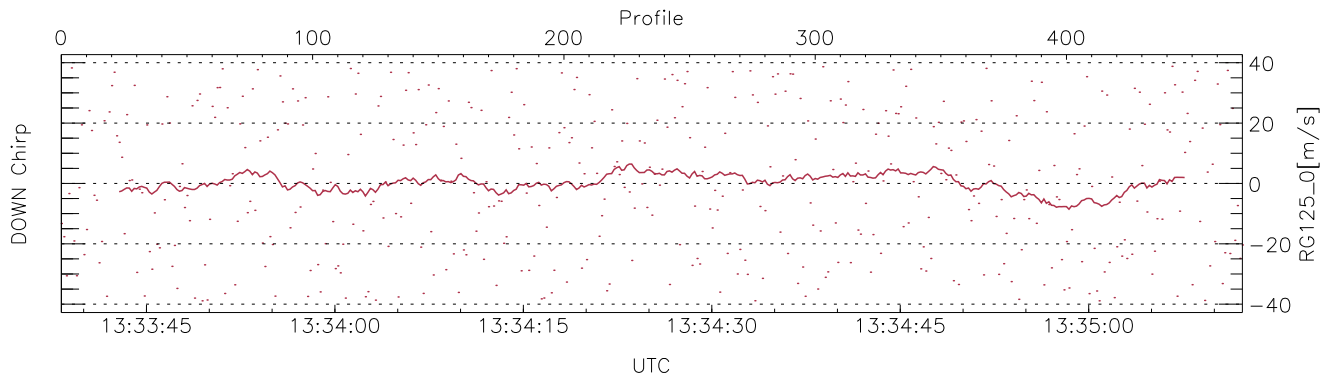
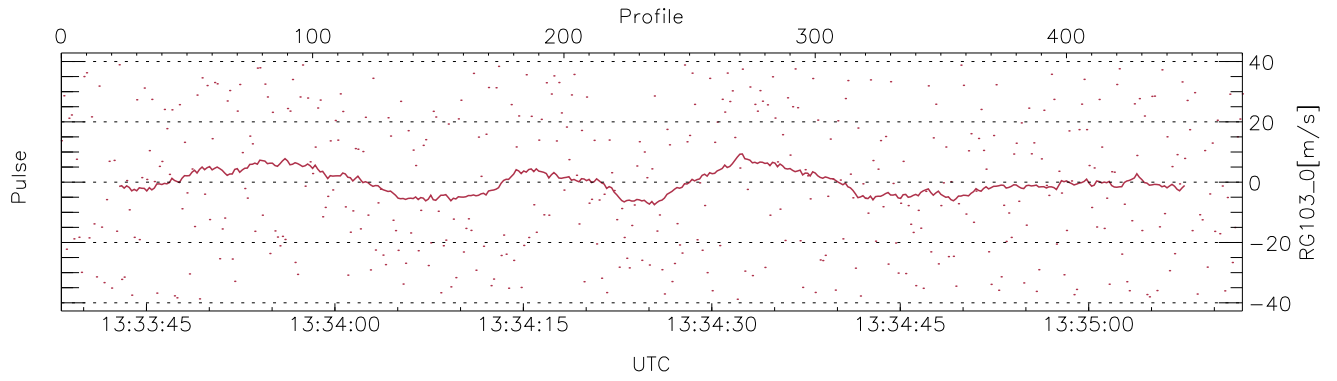
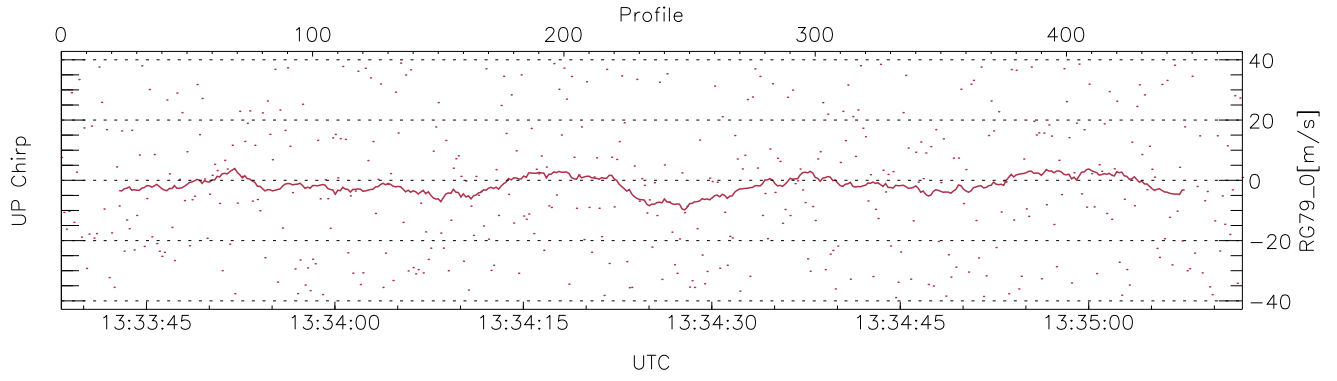
KPR SPP Averaged Received power for all recorded gates  
blue: 133338-133425, 236 profiles averaged  
red: 133425-133512, 236 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 133338-133425, 236 profiles averaged  
red: 133425-133512, 236 profiles averaged

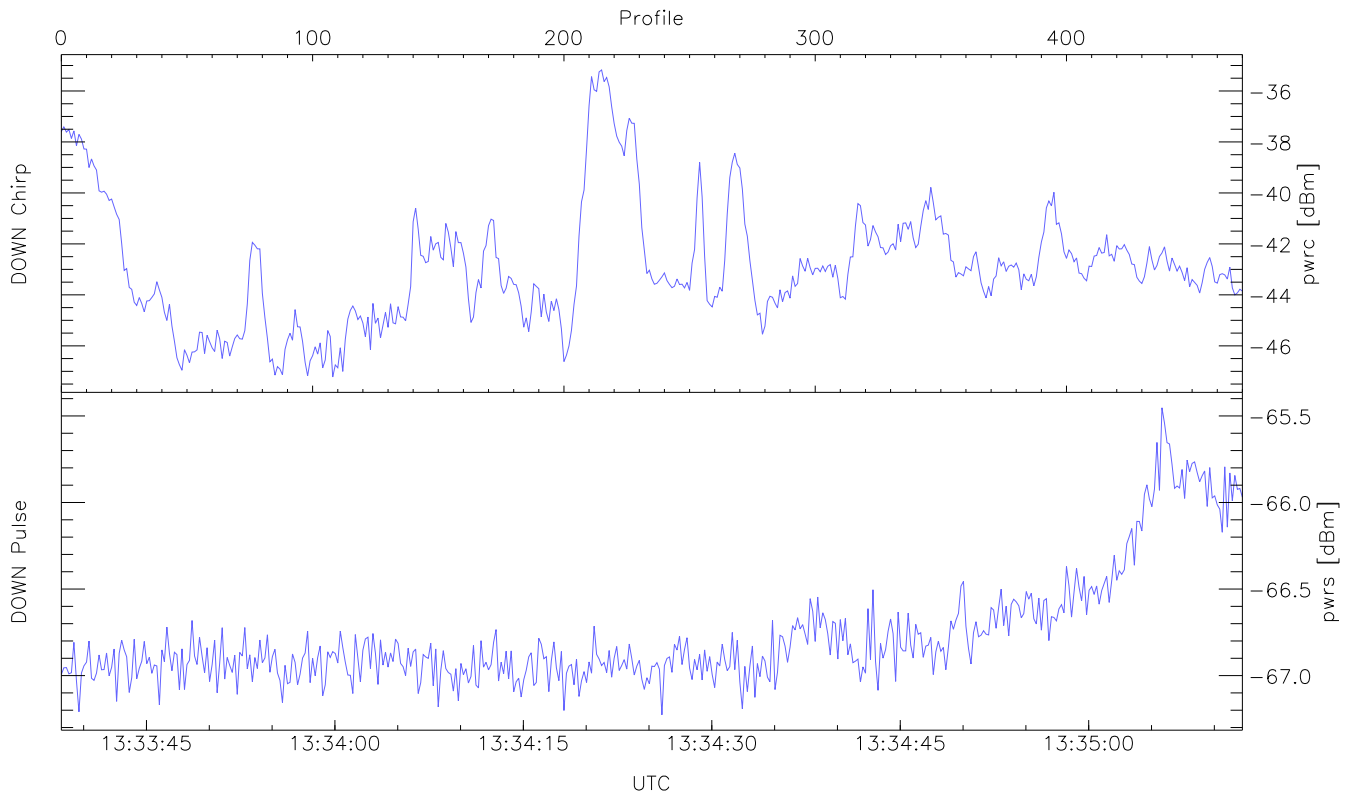
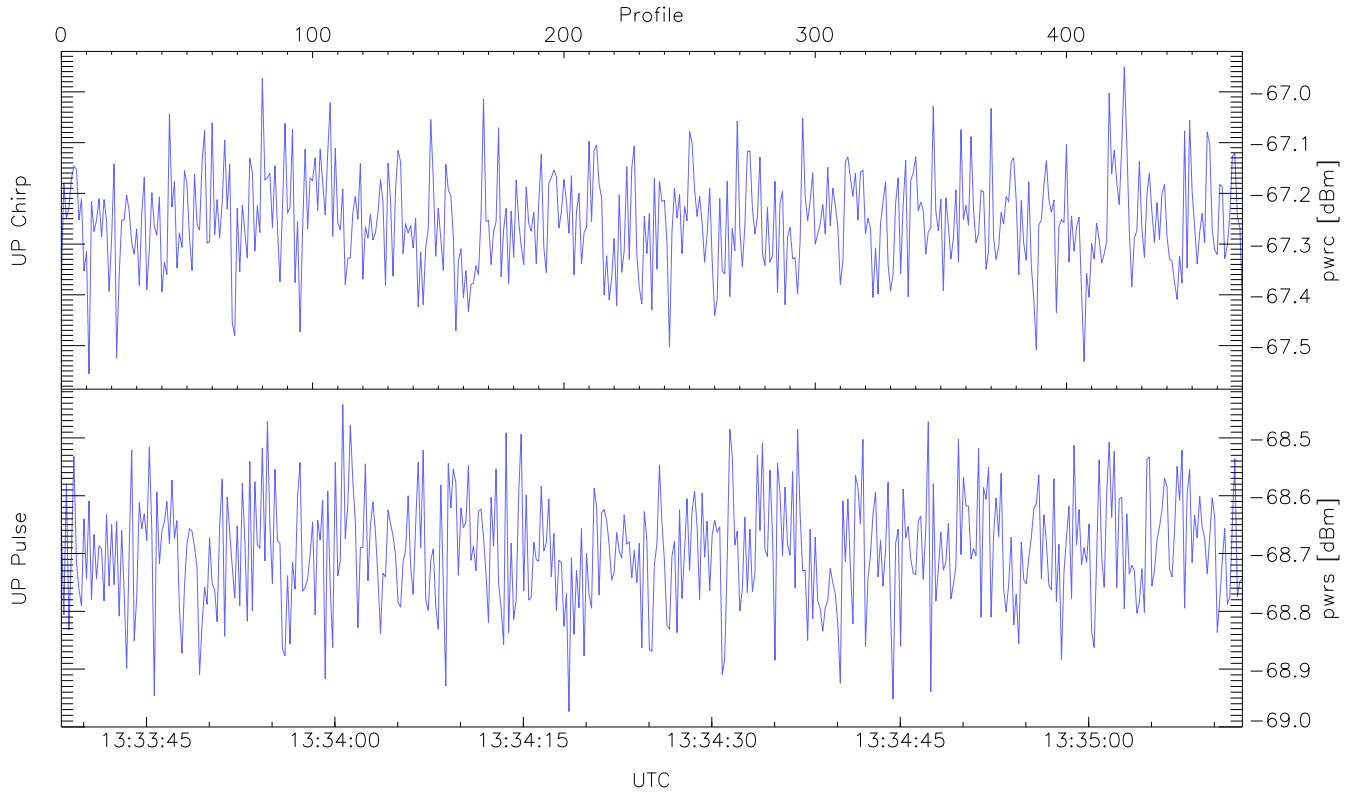


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 133338-133425, 236 profiles averaged  
red: 133425-133512, 236 profiles averaged



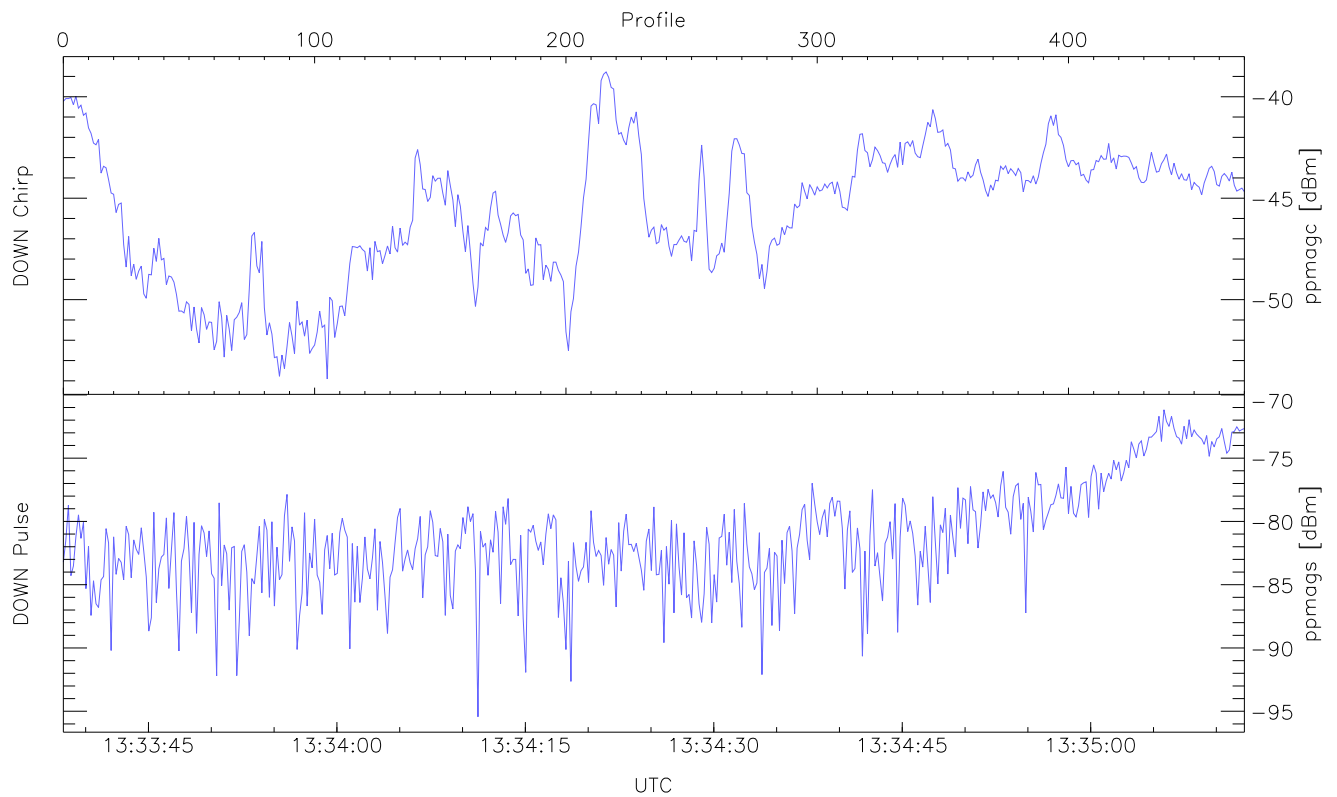
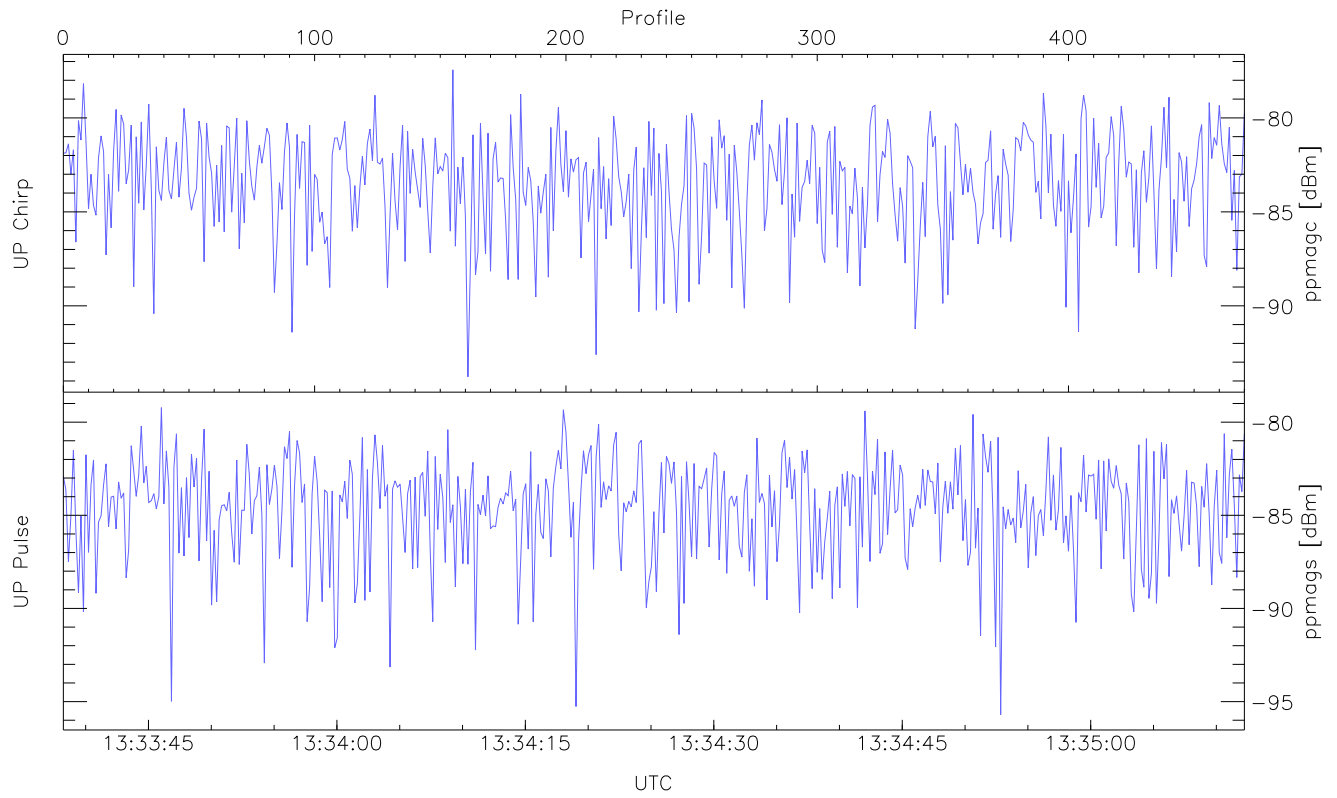
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG79_0	-38.93	38.89	-1.84	-3.14	21.89
UP_P_RG103_0	-38.82	38.93	-0.17	-0.59	22.64
DOWN_C_RG125_0	-38.89	38.80	-0.03	-0.99	23.26
DOWN_P_RG130_0	-38.88	38.94	0.20	0.29	21.94



KPR SPP Received Power for Chirp Range gate 10 (1585.2 m)  
 KPR SPP Received Power for Pulse Range gate 10 (533.8 m)

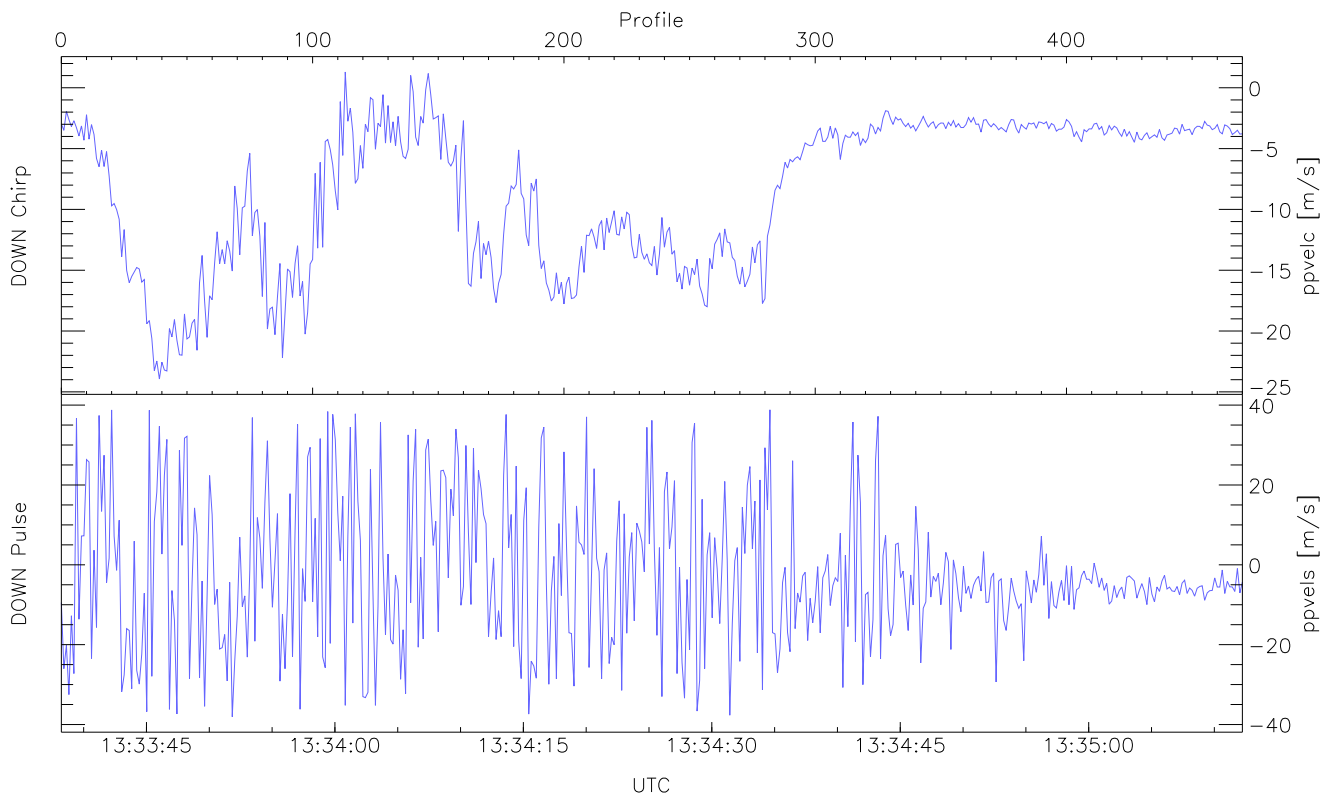
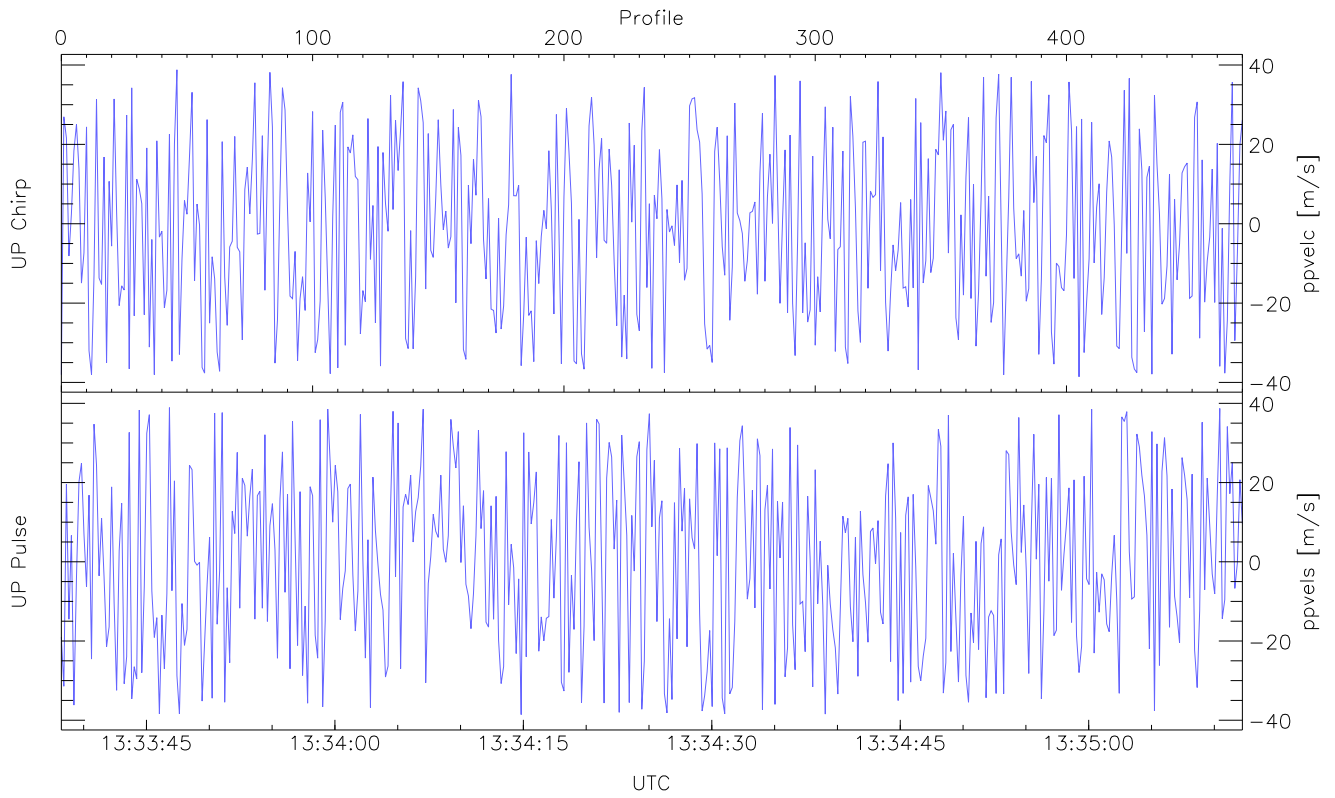
	Min	Max	Mean
UP Chirp(dBm)	-67.56	-66.95	-67.25
UP Pulse(dBm)	-68.97	-68.44	-68.69
DOWN Chirp(dBm)	-47.22	-35.18	-42.19
DOWN Pulse(dBm)	-67.23	-65.45	-66.75



KPR SPP PPMAG for Chirp Range gate 10 (1585.2 m)

KPR SPP PPMAG for Pulse Range gate 10 (533.8 m)

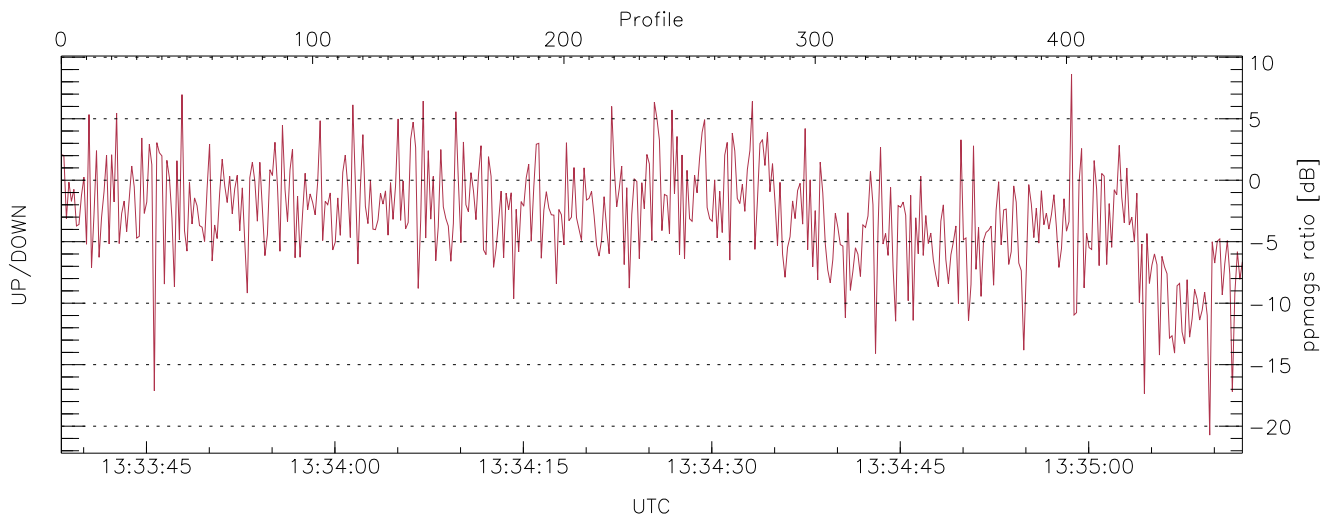
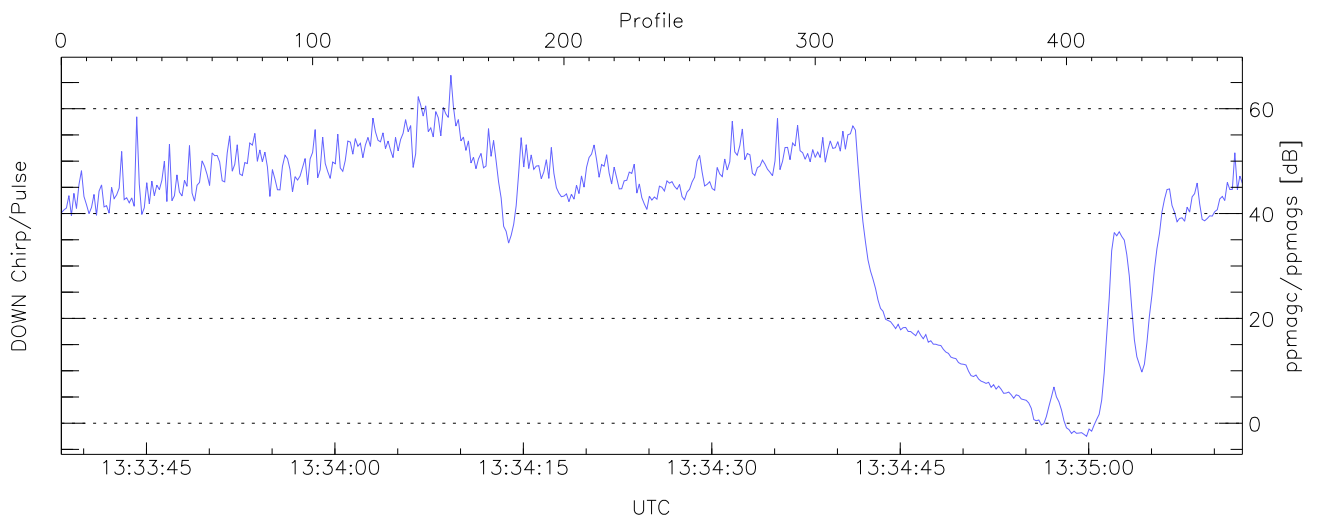
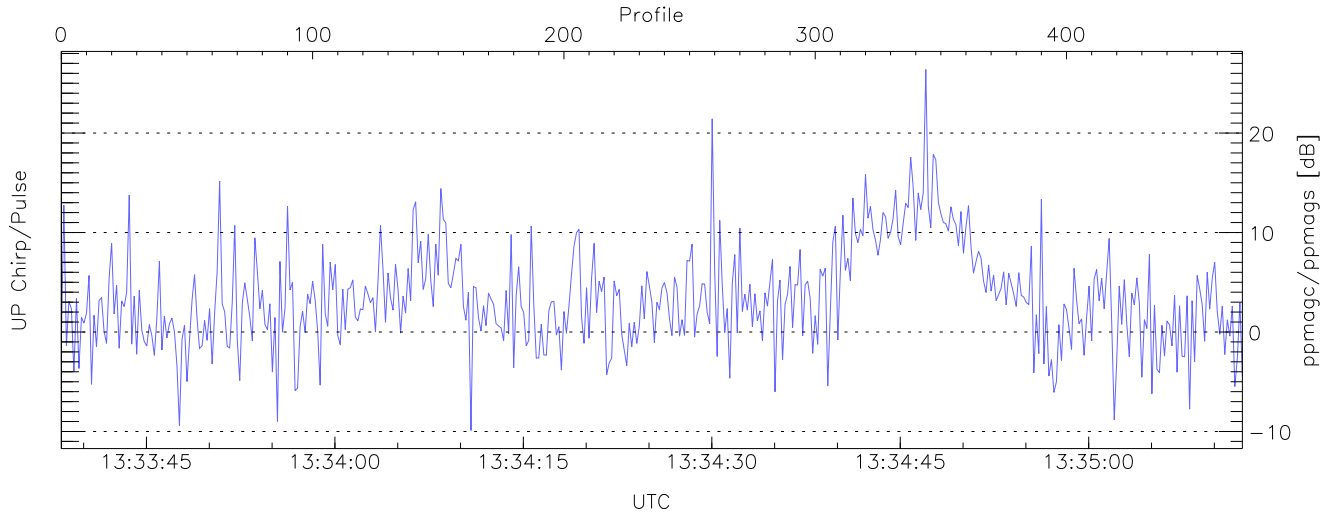
	Min	Max	Mean
UP Chirp(dBm)	-93.78	-77.44	-82.74
UP Pulse(dBm)	-95.70	-79.22	-83.94
DOWN Chirp(dBm)	-53.91	-38.78	-44.64
DOWN Pulse(dBm)	-95.44	-71.18	-79.27



KPR SPP PPVEL for Chirp Range gate 10 (1585.2 m)

KPR SPP PPVEL for Pulse Range gate 10 (533.8 m)

	Min	Max	Mean
UP Chirp(m/s)	-38.59	38.80	-1.20
UP Pulse(m/s)	-38.58	38.94	0.16
DOWN Chirp(m/s)	-23.95	1.30	-8.44
DOWN Pulse(m/s)	-38.07	38.84	-2.41



KPR SPP PPMAG Chirp/Pulse; Range gate: 1247.9m /1245.8m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-9.90	26.39	7.37
DOWN Chirp/Pulse(dBm)	-2.50	66.38	50.35
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-20.73	8.63	-1.11