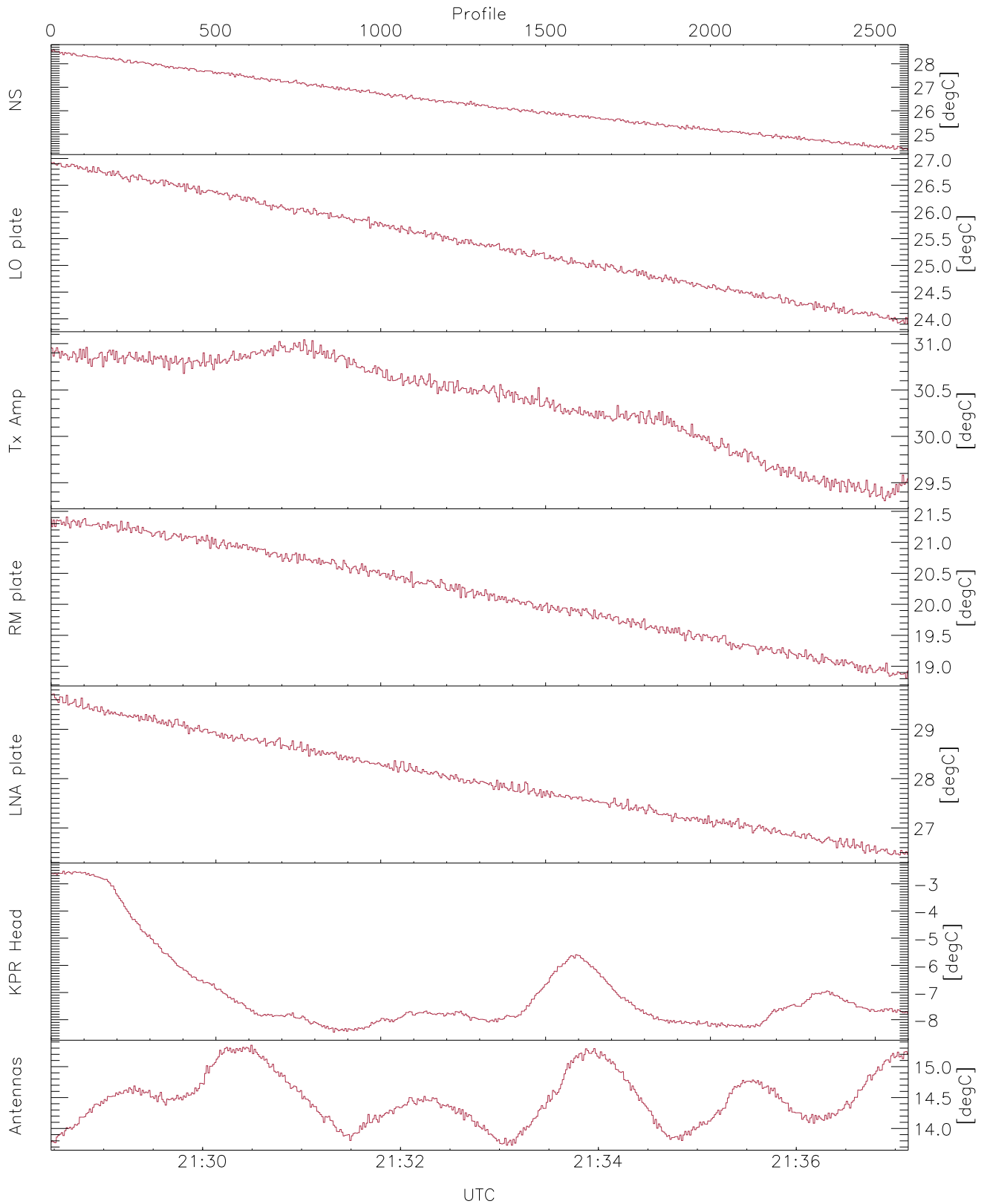


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 21:28:28-21:37:08, TimeCor: 0.00s, Dur: 519.79s
 TimeInt(min,max,mn,std): 199.1,200.7,199.9,0.0 ms; PPS: 5.0
 NumRec(r/t): 2601/2601, 0-2600/21:28:28-21:37:08
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 MHz
 PRF: 19.0 KHz, avgPulses: 1904, avgPP: 952
 NyquistVel: 40.1 m/s, RangeRes:60.0 m
 Pulse Range(min,max): 166, 6492 m, Gates: 212
 Chirp Range(min,max): 1016, 6472 m, Gates: 183
 RangeGateSampling: 30.0 m, Aspect: 1.7

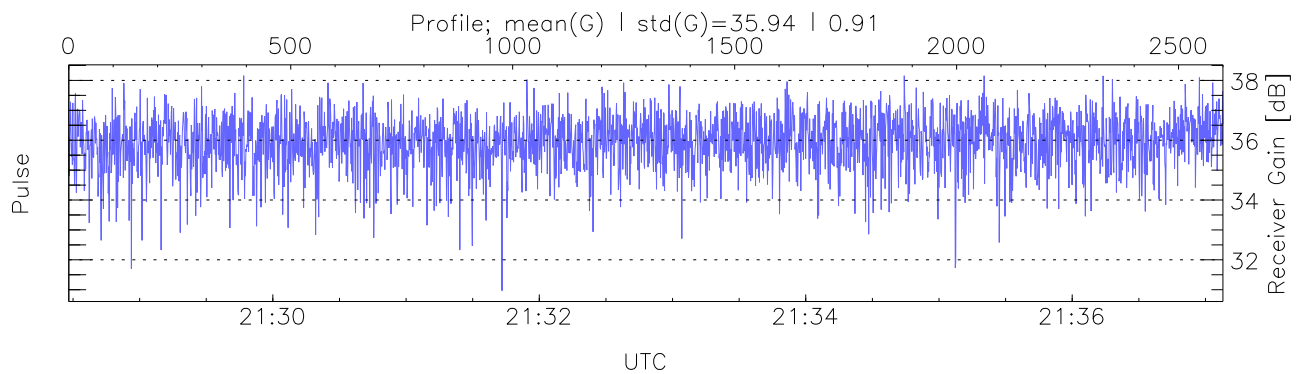
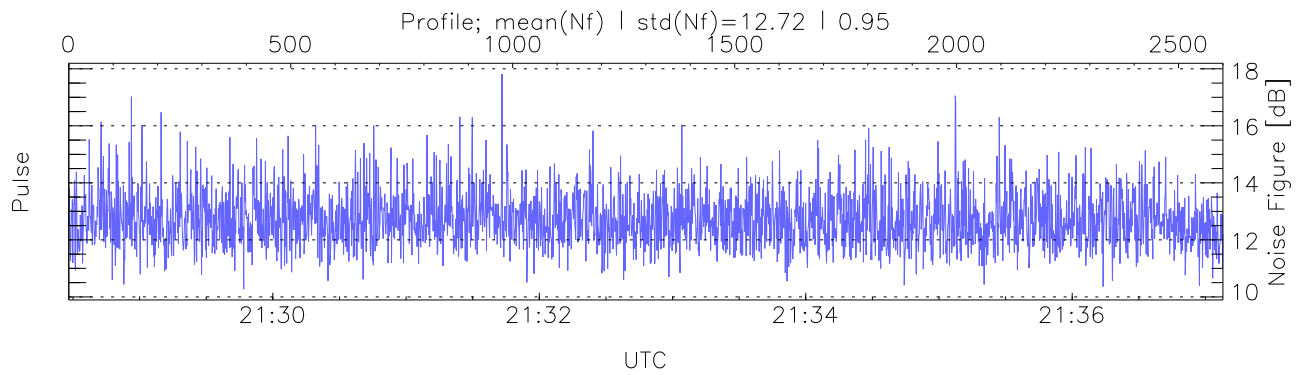
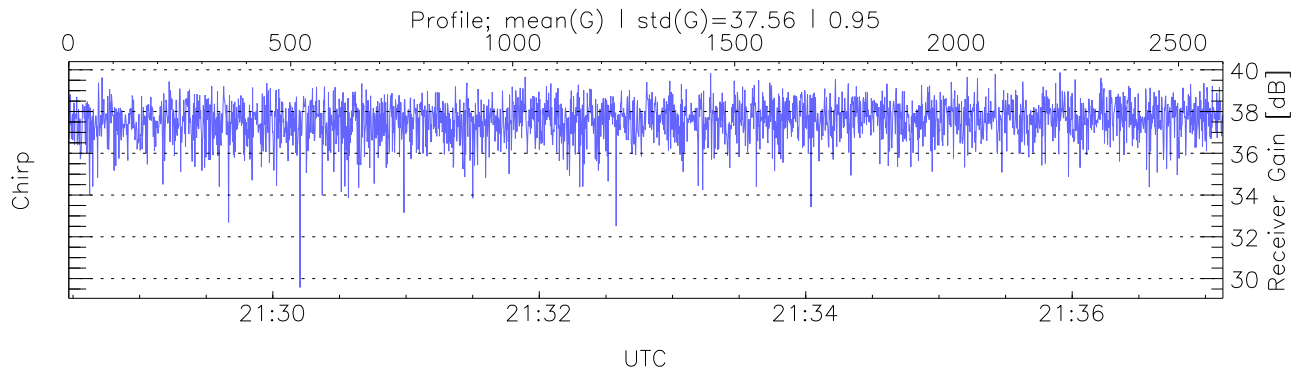
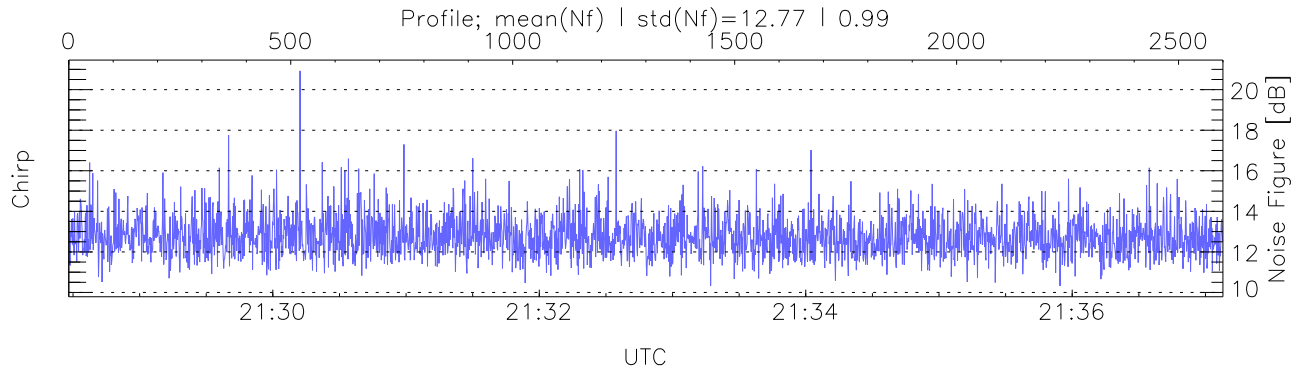


KPR SPP Temperatures, Power Supplies, PLO lock:

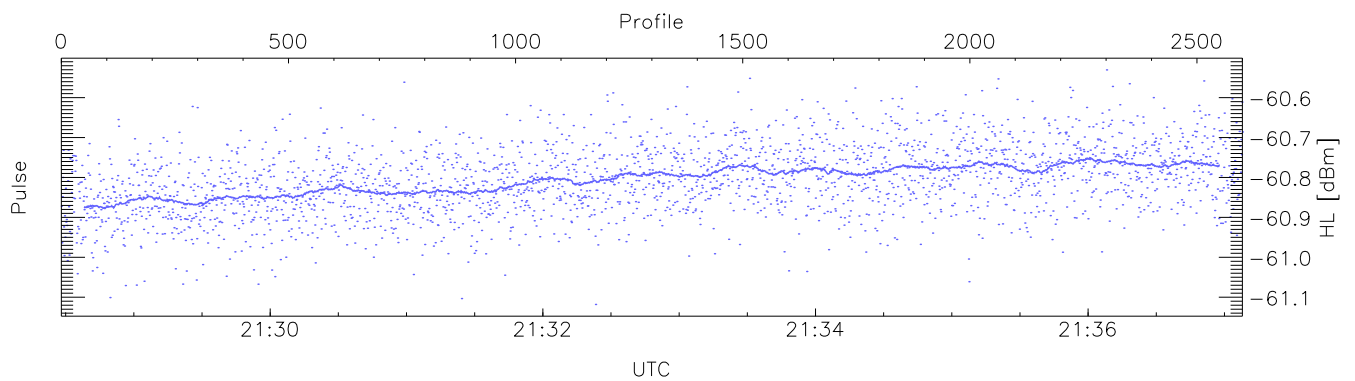
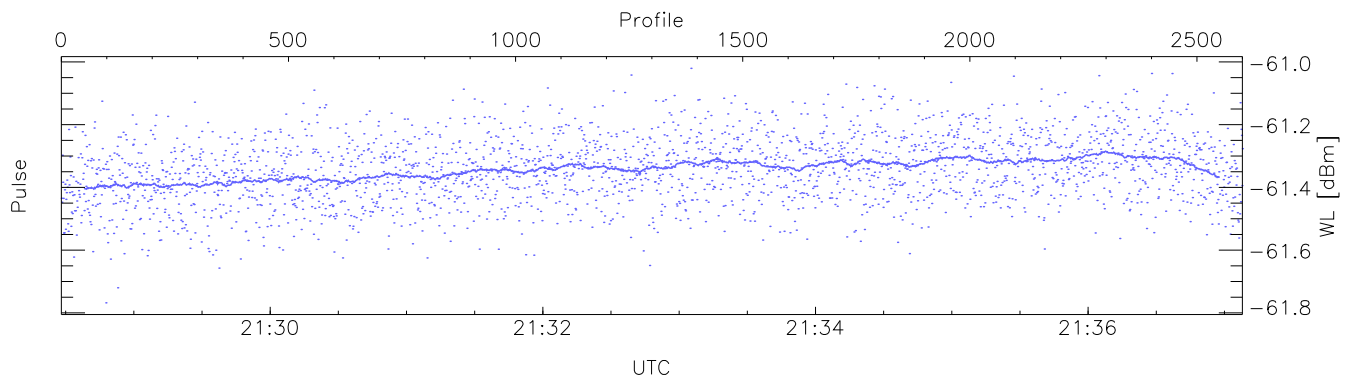
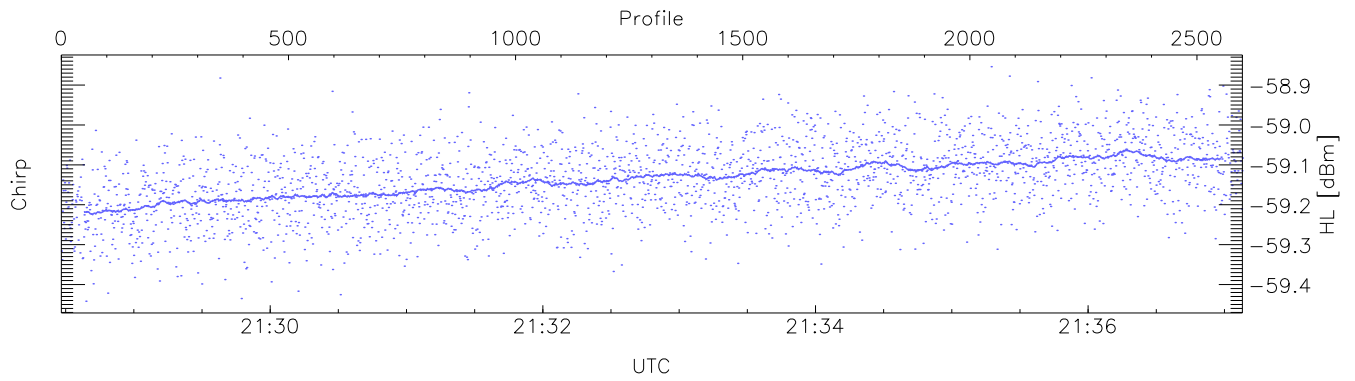
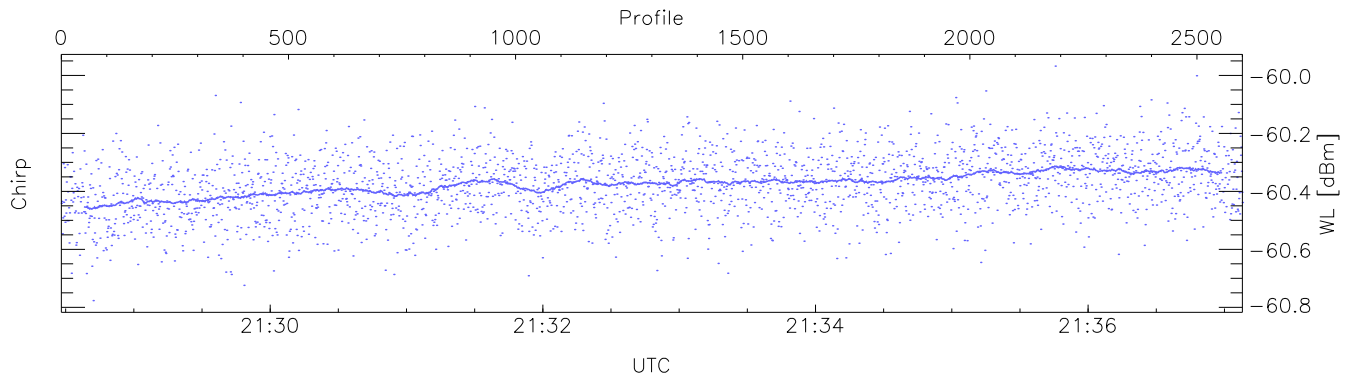
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	24.3,	23.9,	29.3,	18.8,	26.5,	-8.5,	13.7
maxtempC:	28.6,	26.9,	31.0,	21.4,	29.7,	-2.5,	15.3
meantempC:	26.3,	25.4,	30.4,	20.2,	28.0,	-7.0,	14.5

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.72,	11.66,	7.87,	5.21
maxVDC:	27.67,	11.73,	7.90,	5.23
meanVDC:	26.85,	11.69,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

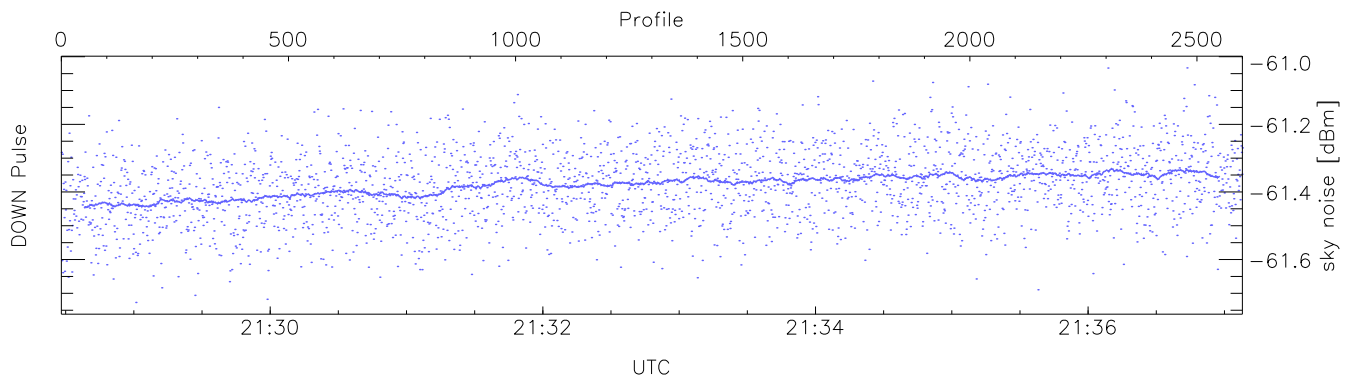
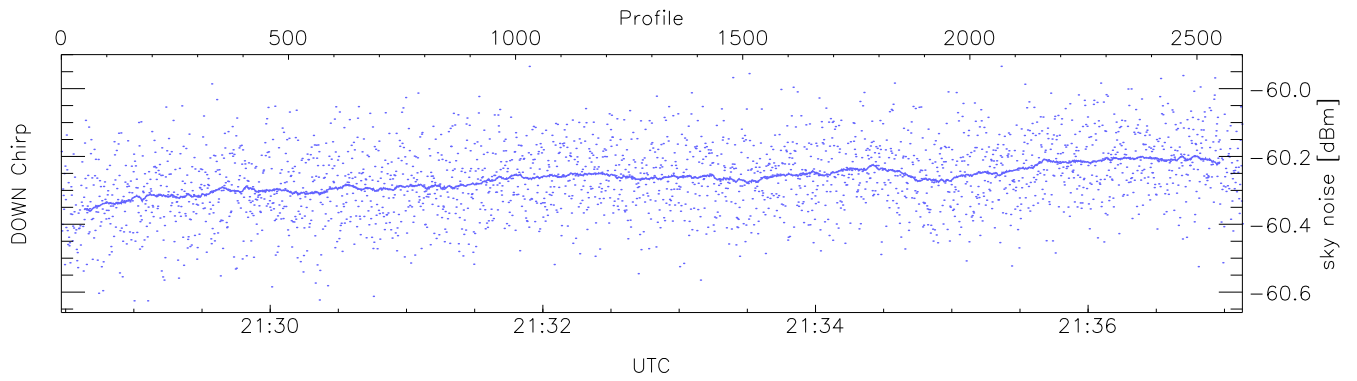
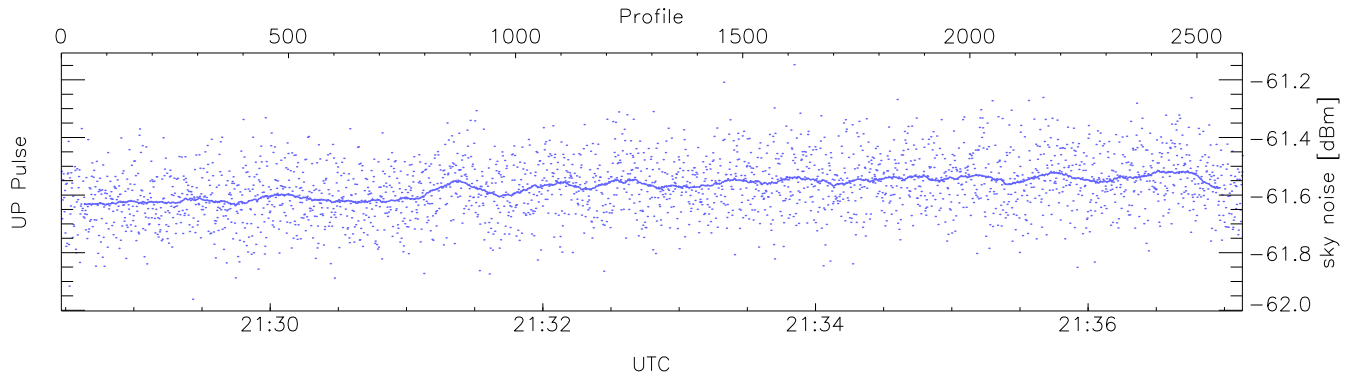
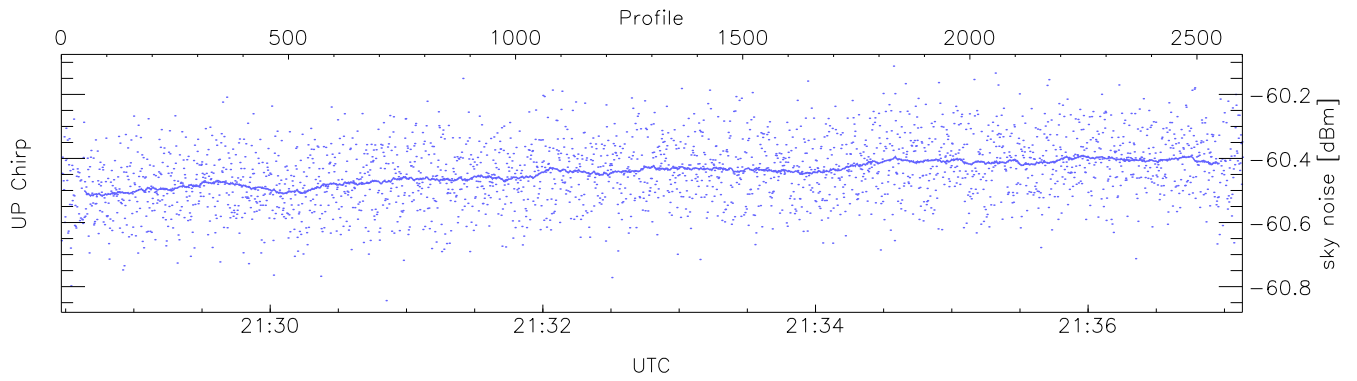


KPR SPP Receiver Gain and Noise Figure



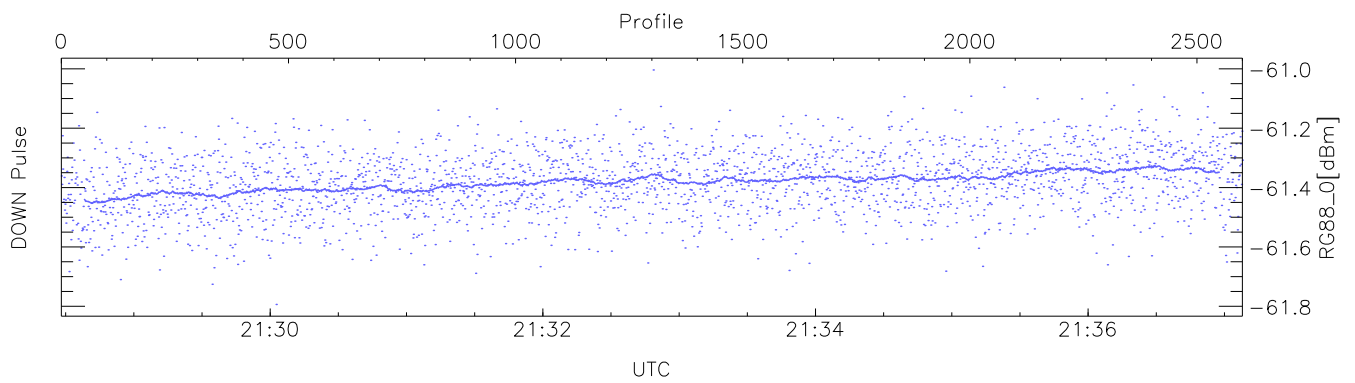
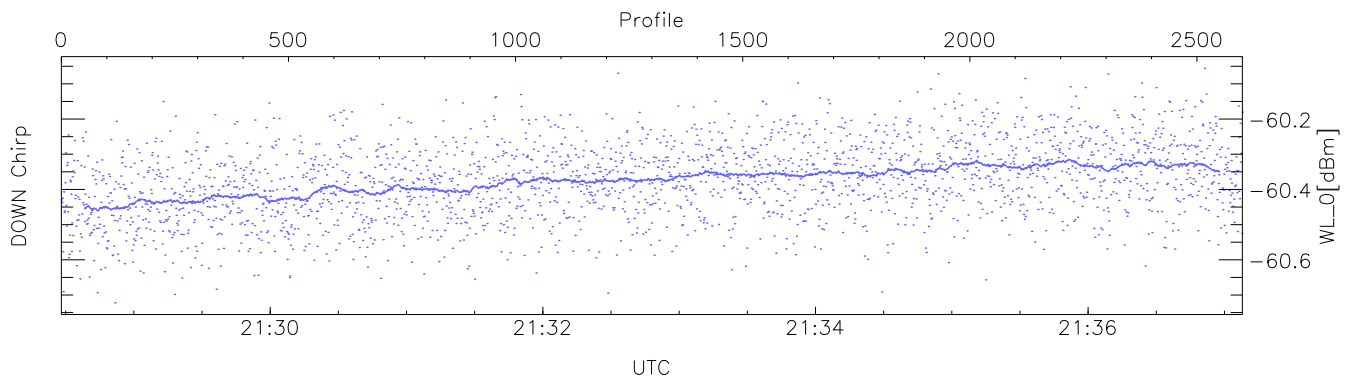
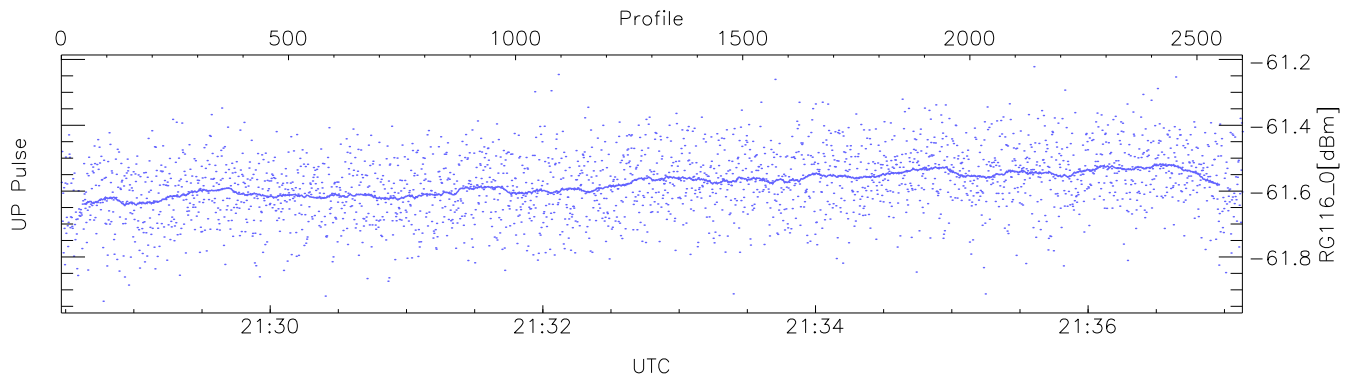
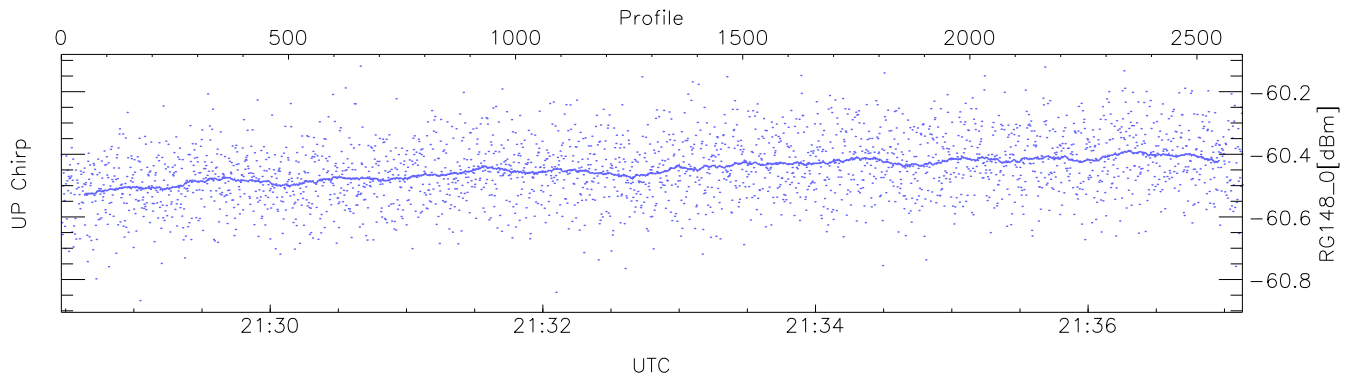
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-60.78	-59.97	-60.37	-60.37	-76.54
Chirp(HL [dBm])	-59.44	-58.85	-59.14	-59.14	-76.00
Pulse(WL [dBm])	-61.77	-61.02	-61.34	-61.34	-77.59
Pulse(HL [dBm])	-61.12	-60.53	-60.81	-60.81	-77.91



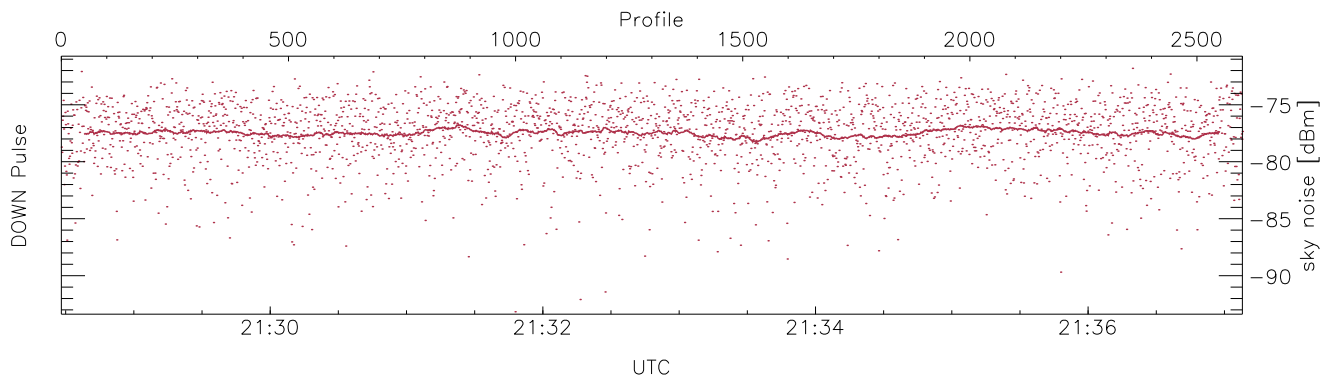
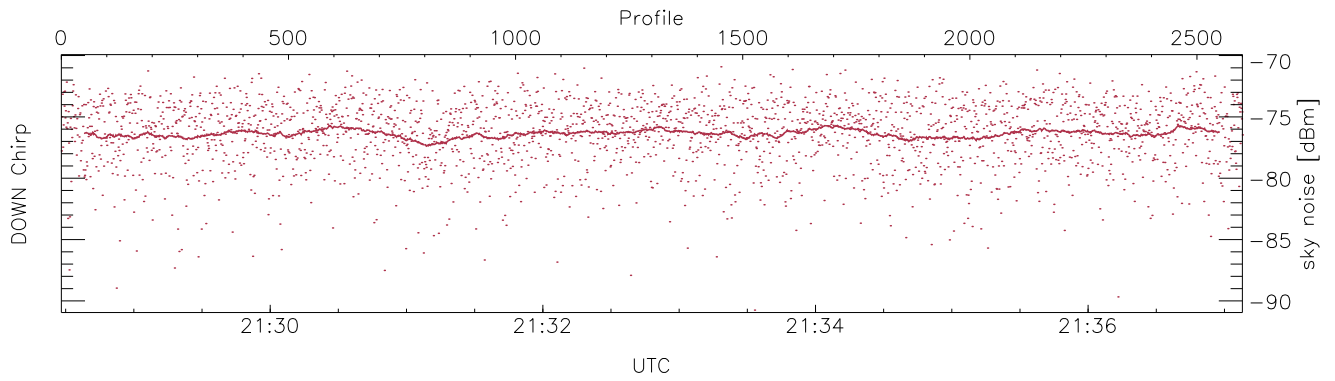
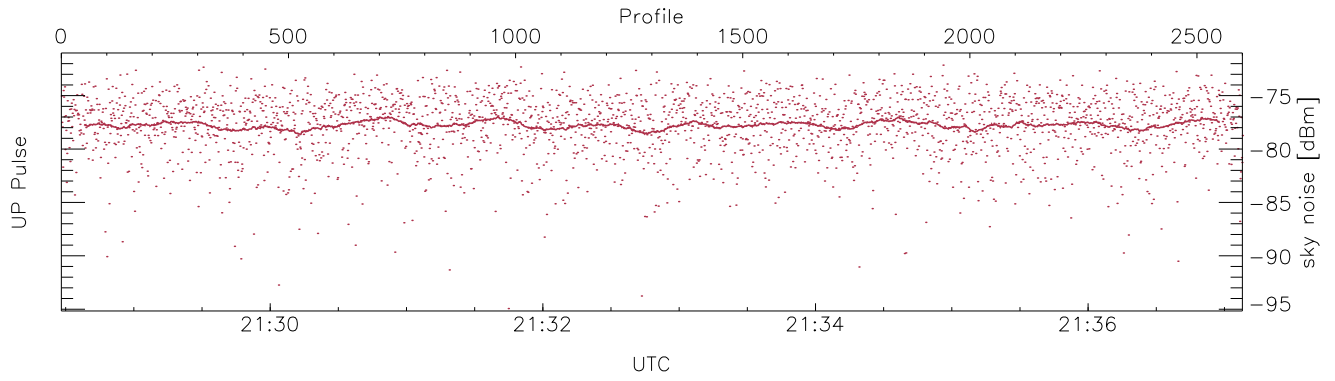
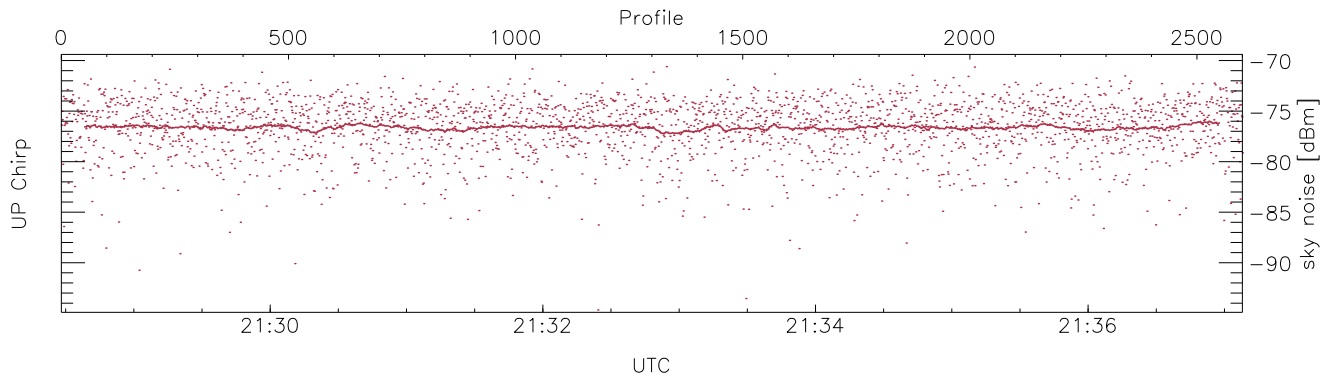
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-60.84	-60.11	-60.44	-60.45	-76.63
UP Pulse(dBm)	-61.96	-61.15	-61.57	-61.57	-77.74
DOWN Chirp(dBm)	-60.63	-59.93	-60.27	-60.26	-76.28
DOWN Pulse(dBm)	-61.73	-61.03	-61.38	-61.38	-77.59



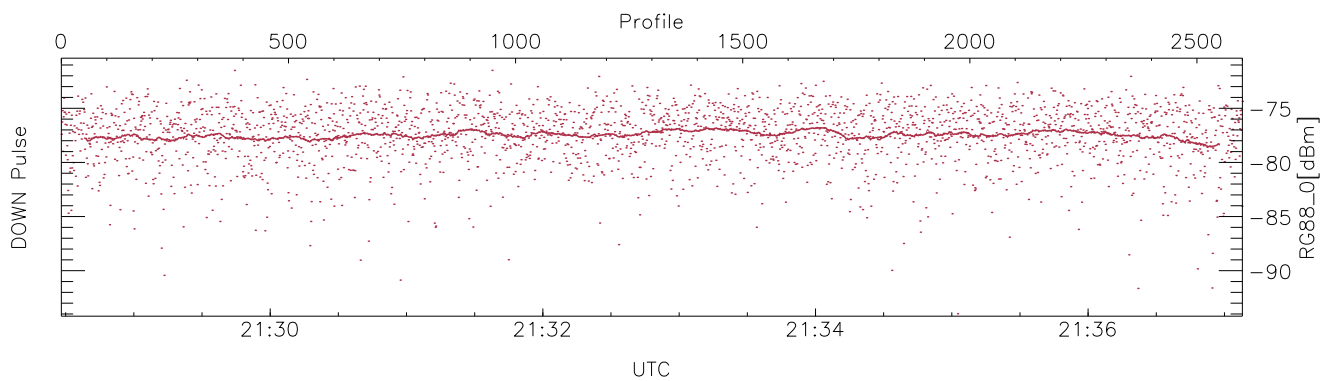
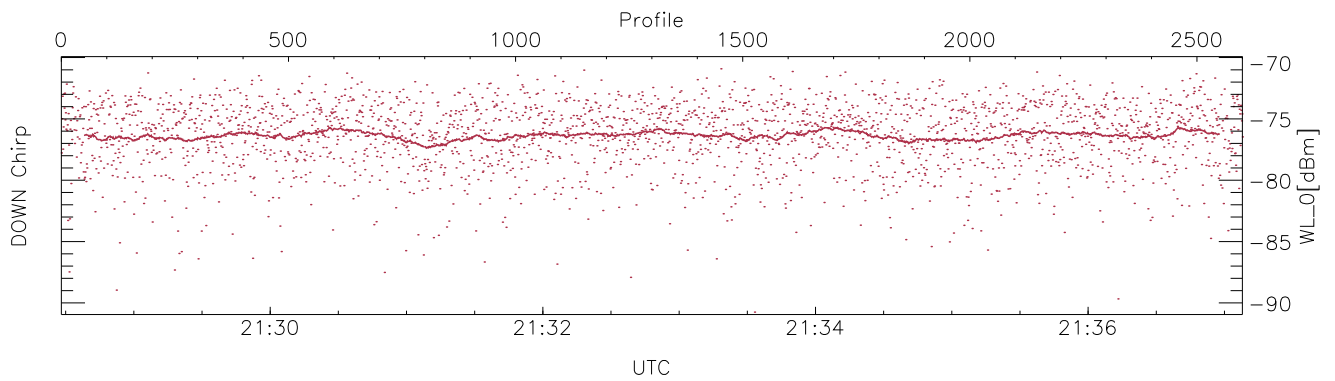
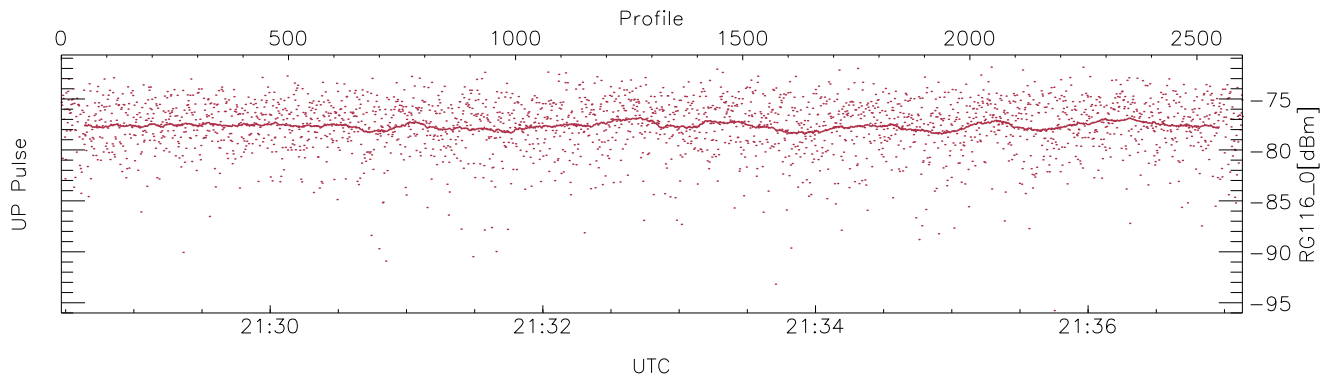
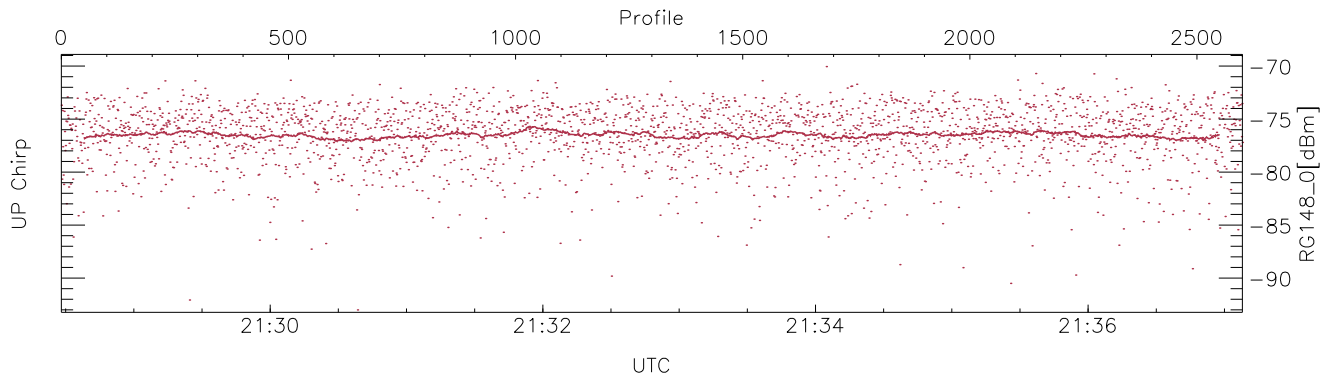
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG148_0	-60.87	-60.12	-60.45	-60.45	-76.61
UP_P_RG116_0	-61.93	-61.22	-61.58	-61.58	-77.86
DOWN_C_WL_0	-60.72	-60.06	-60.38	-60.37	-76.54
DOWN_P_RG88_0	-61.79	-61.00	-61.38	-61.38	-77.60



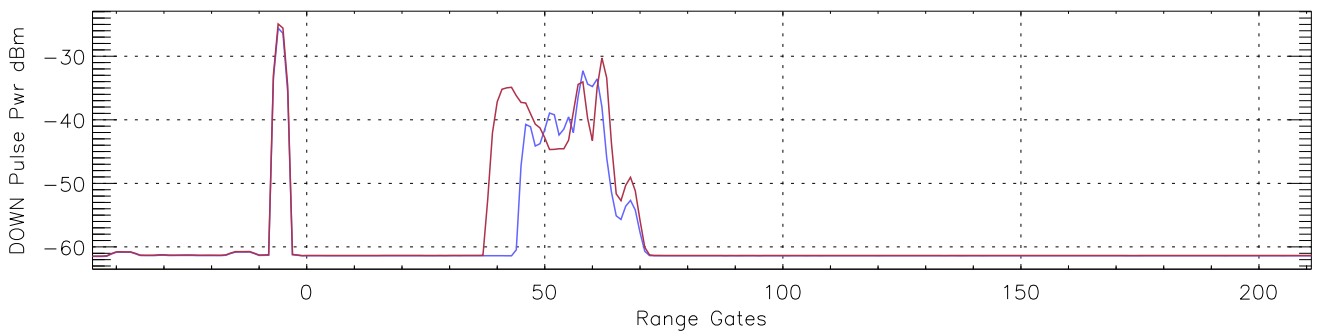
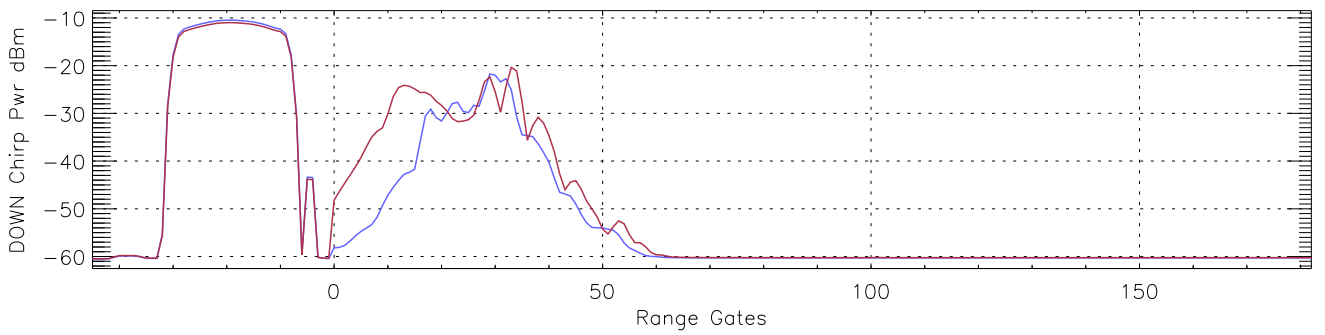
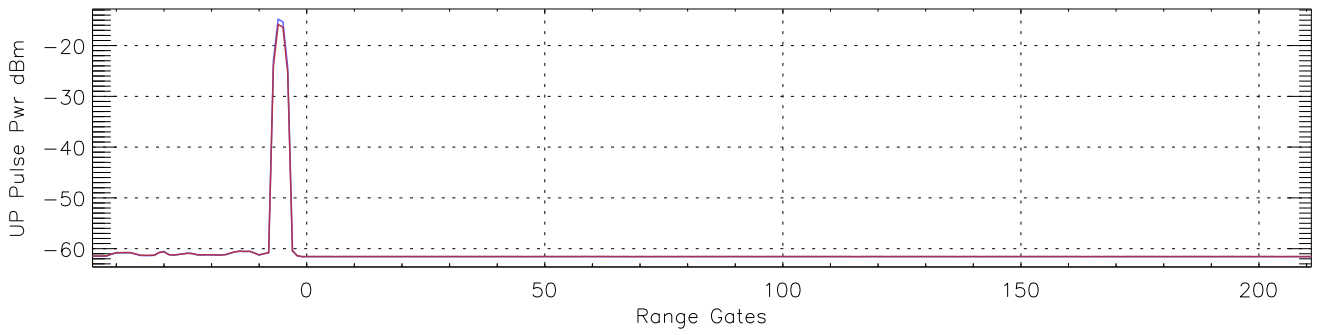
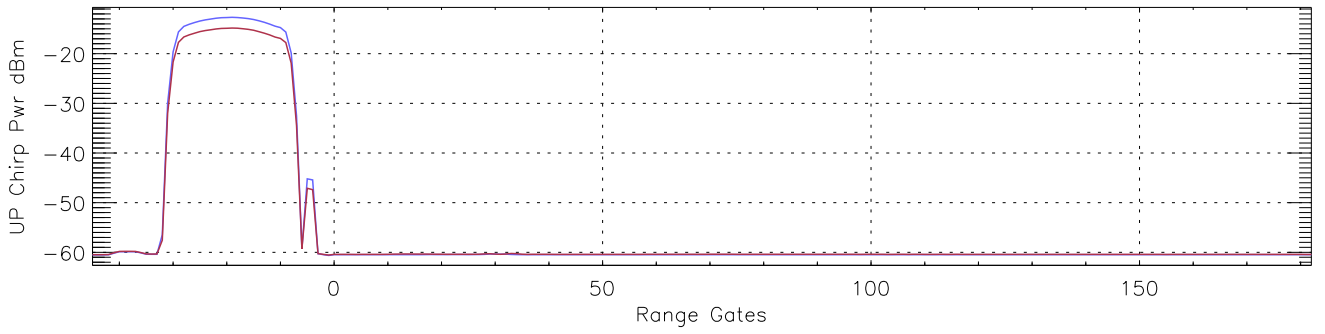
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-94.67	-70.59	-75.90	-76.14	-78.74
UP Pulse(dBm)	-94.94	-72.15	-77.03	-77.22	-79.87
DOWN Chirp(dBm)	-90.75	-70.91	-75.67	-75.94	-78.54
DOWN Pulse(dBm)	-93.16	-71.81	-76.76	-77.02	-79.62

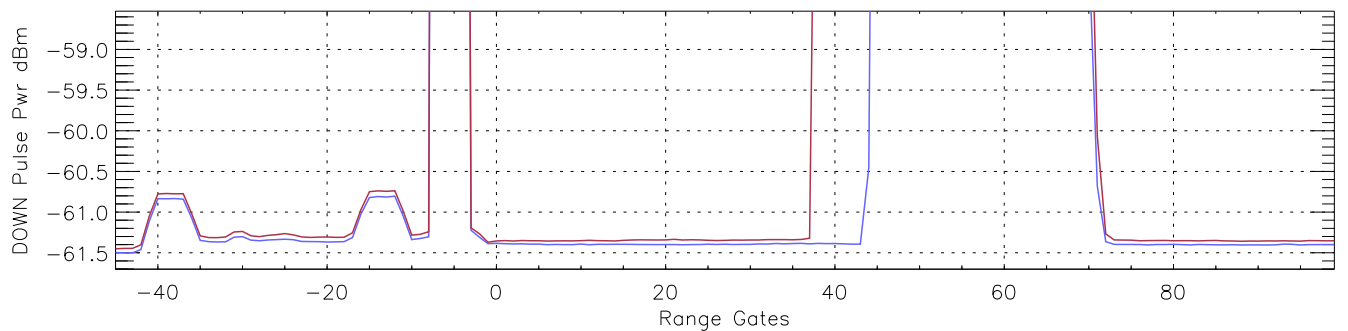
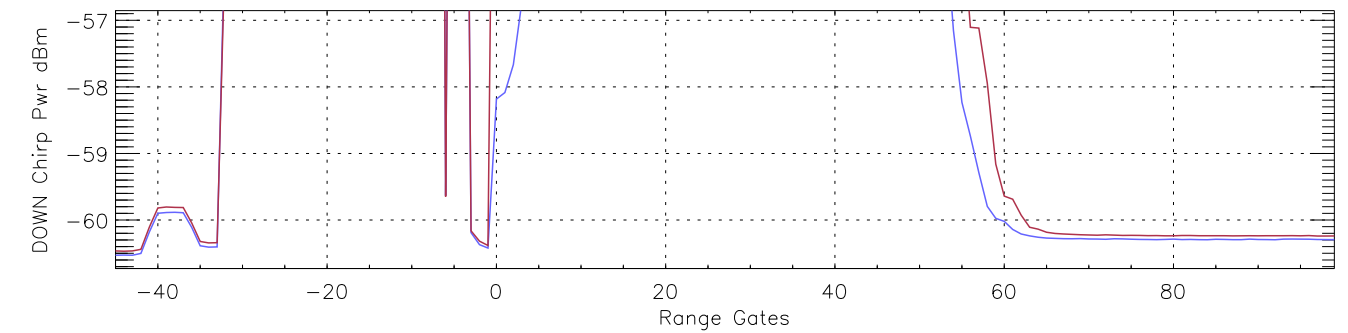
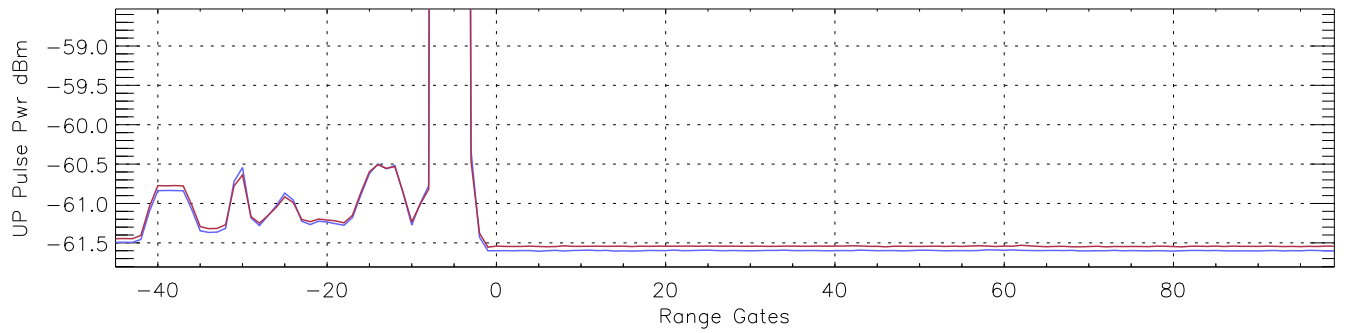
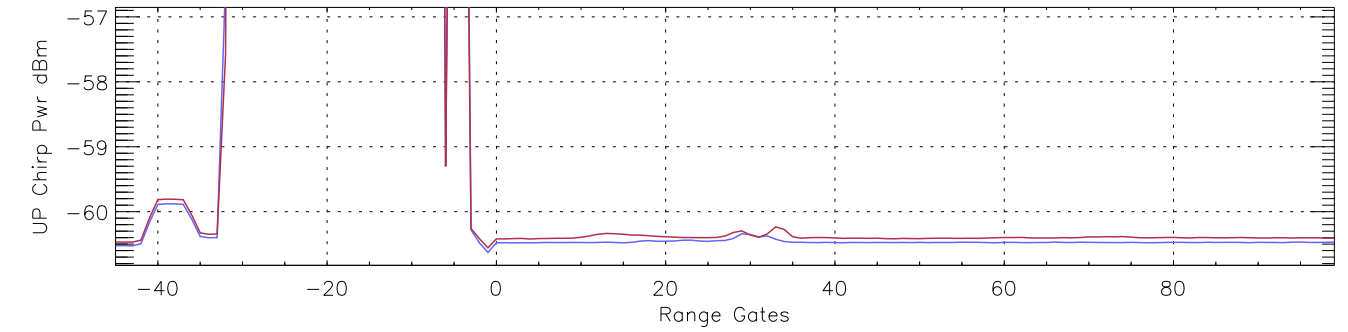


KPR SPP "Best" PPMAG noise (dBm):

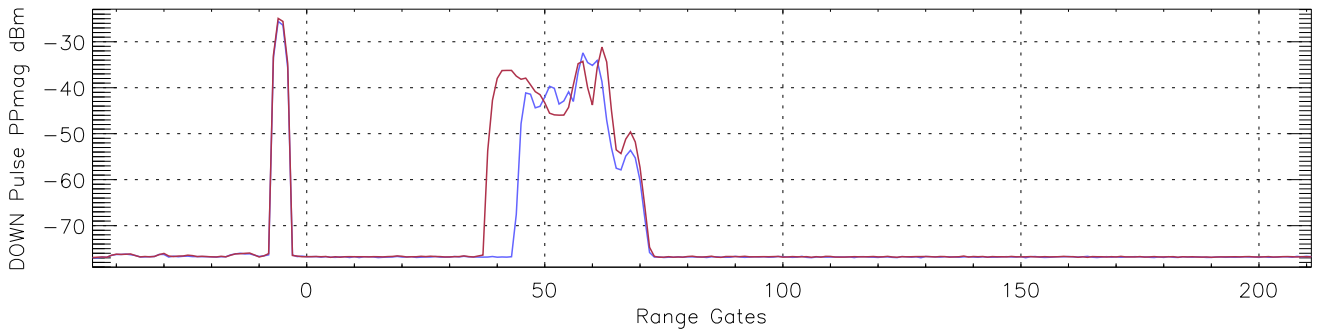
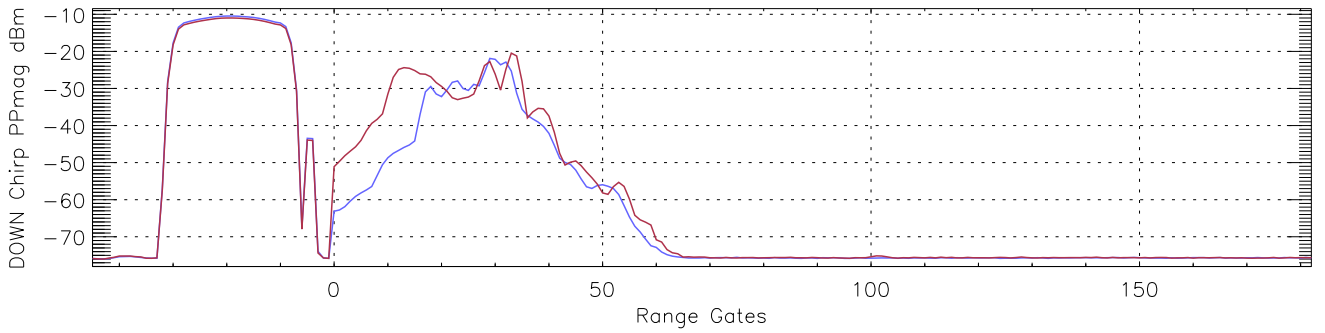
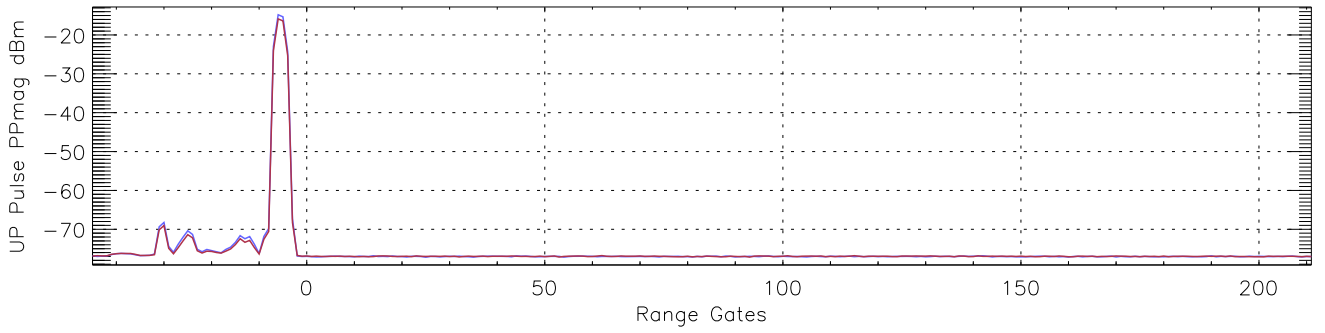
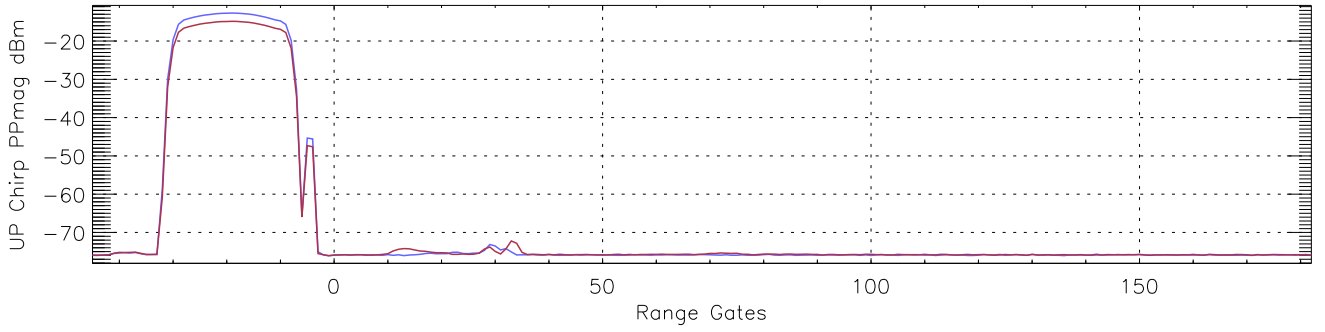
	Min	Max	Mean	Median	StDev
UP_C_RG148_0	-93.01	-70.05	-75.81	-76.06	-78.73
UP_P_RG116_0	-95.77	-71.88	-76.95	-77.23	-79.76
DOWN_C_WL_0	-90.75	-70.91	-75.67	-75.94	-78.54
DOWN_P_RG88_0	-93.97	-71.50	-76.80	-77.01	-79.71



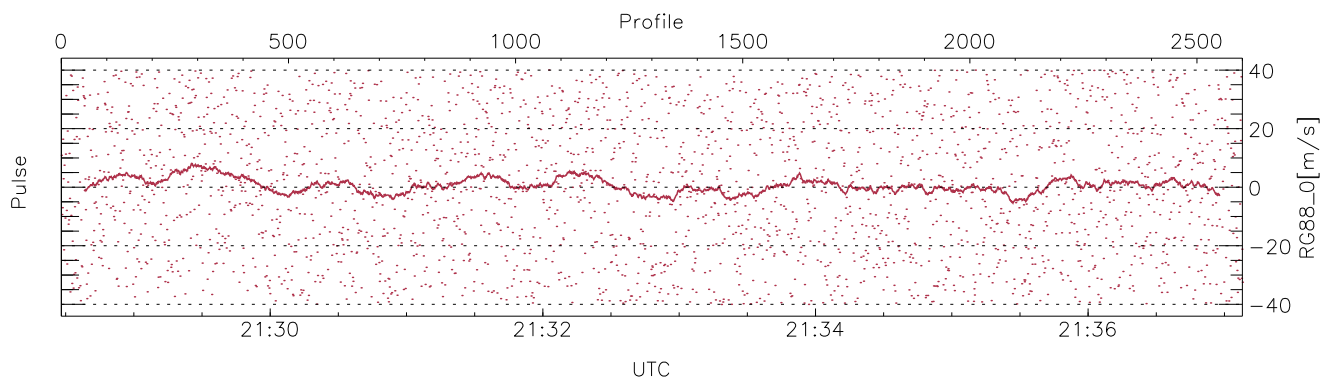
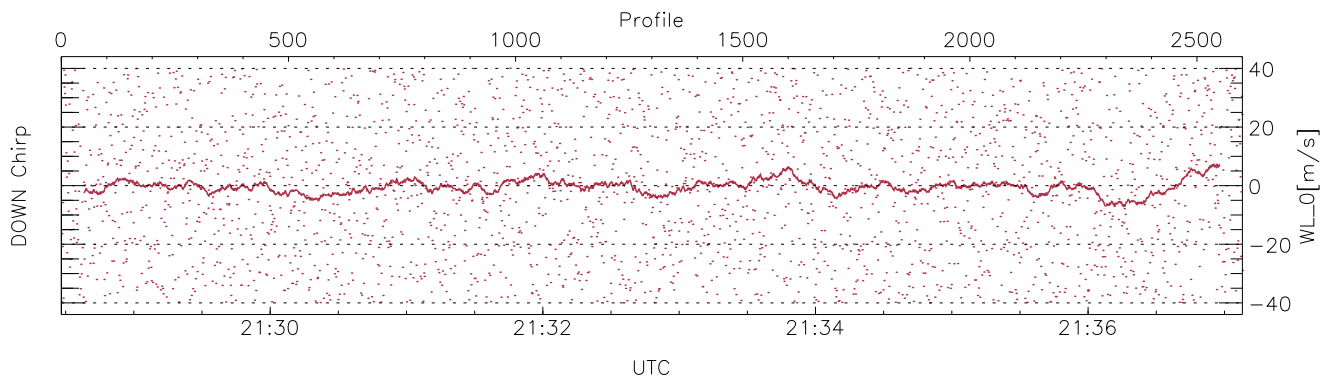
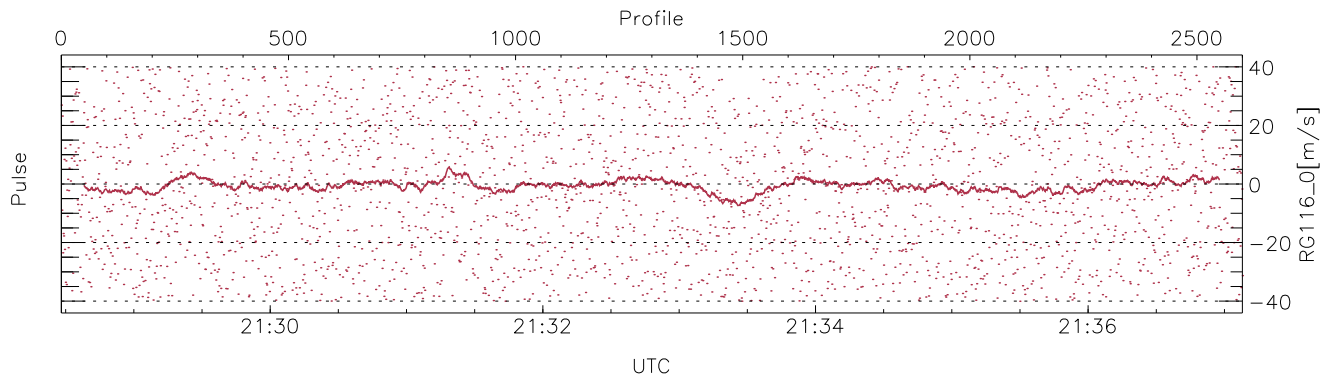
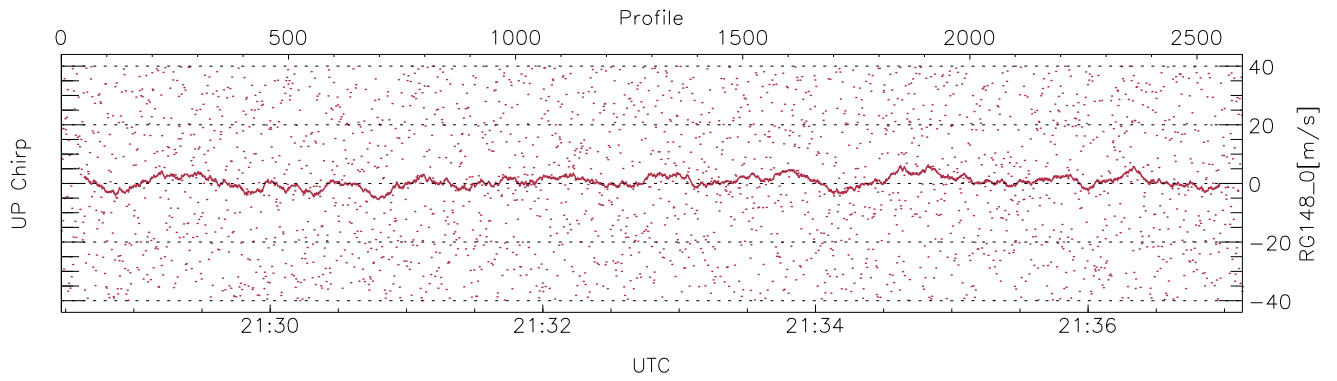
KPR SPP Averaged Received power for all recorded gates
blue: 212828-213247, 1301 profiles averaged
red: 213247-213708, 1301 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 212828-213247, 1301 profiles averaged
red: 213247-213708, 1301 profiles averaged

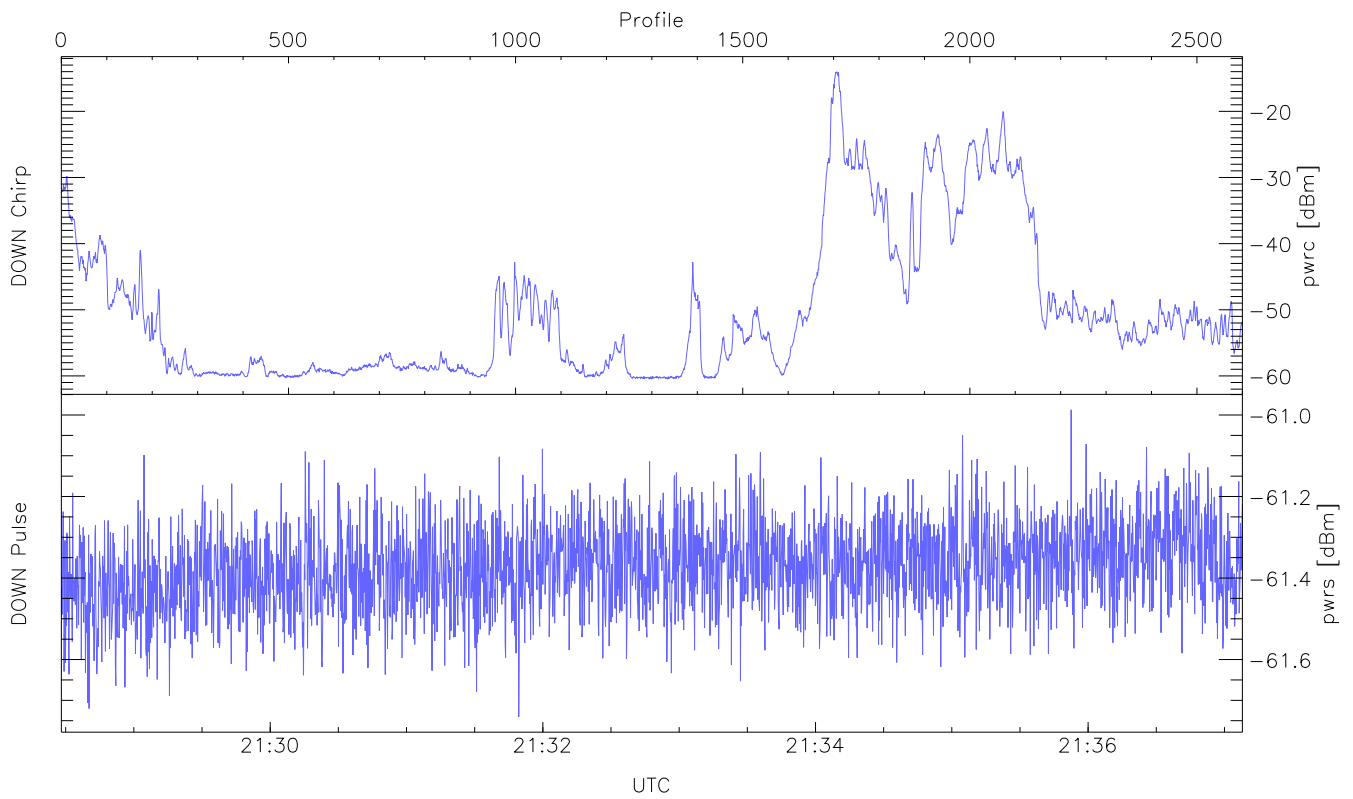
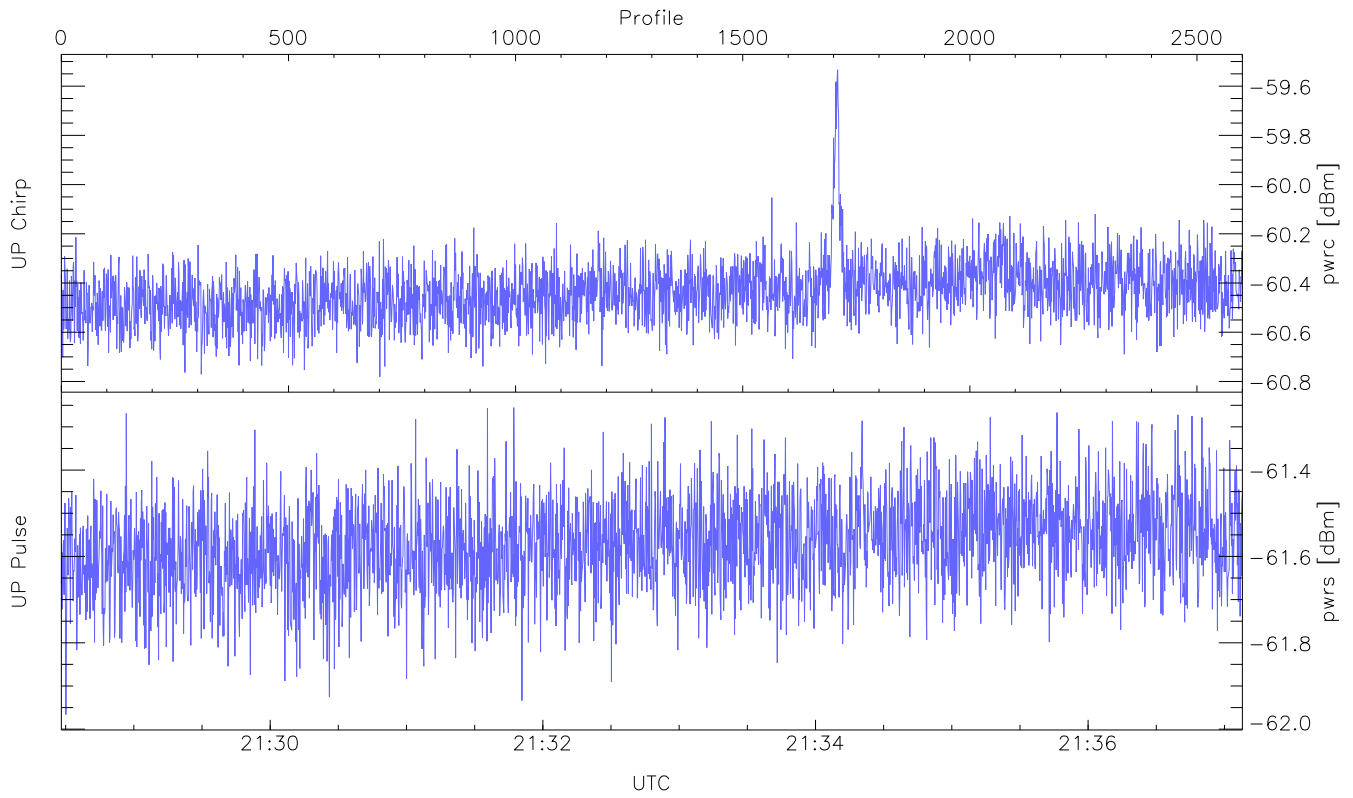


KPR SPP Averaged PP magnitude for all recorded gates
blue: 212828-213247, 1301 profiles averaged
red: 213247-213708, 1301 profiles averaged



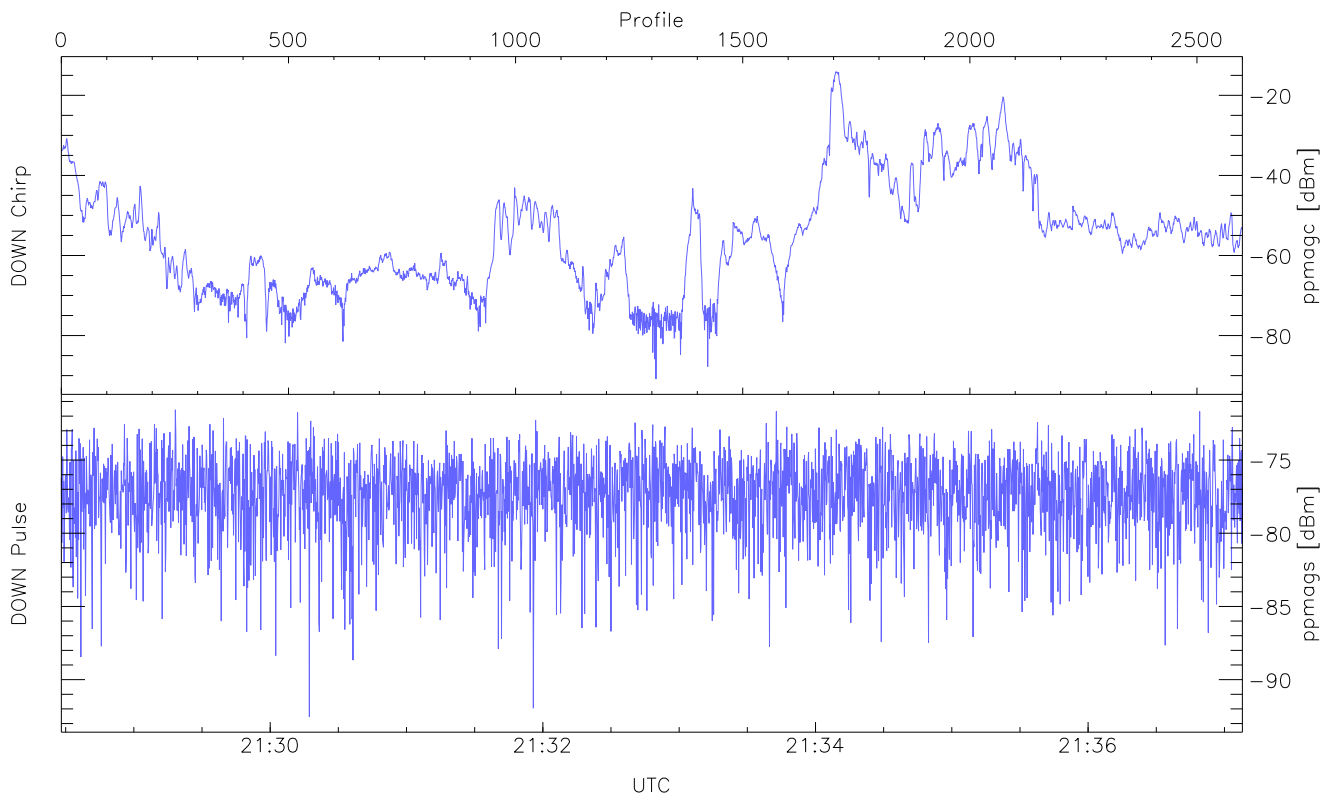
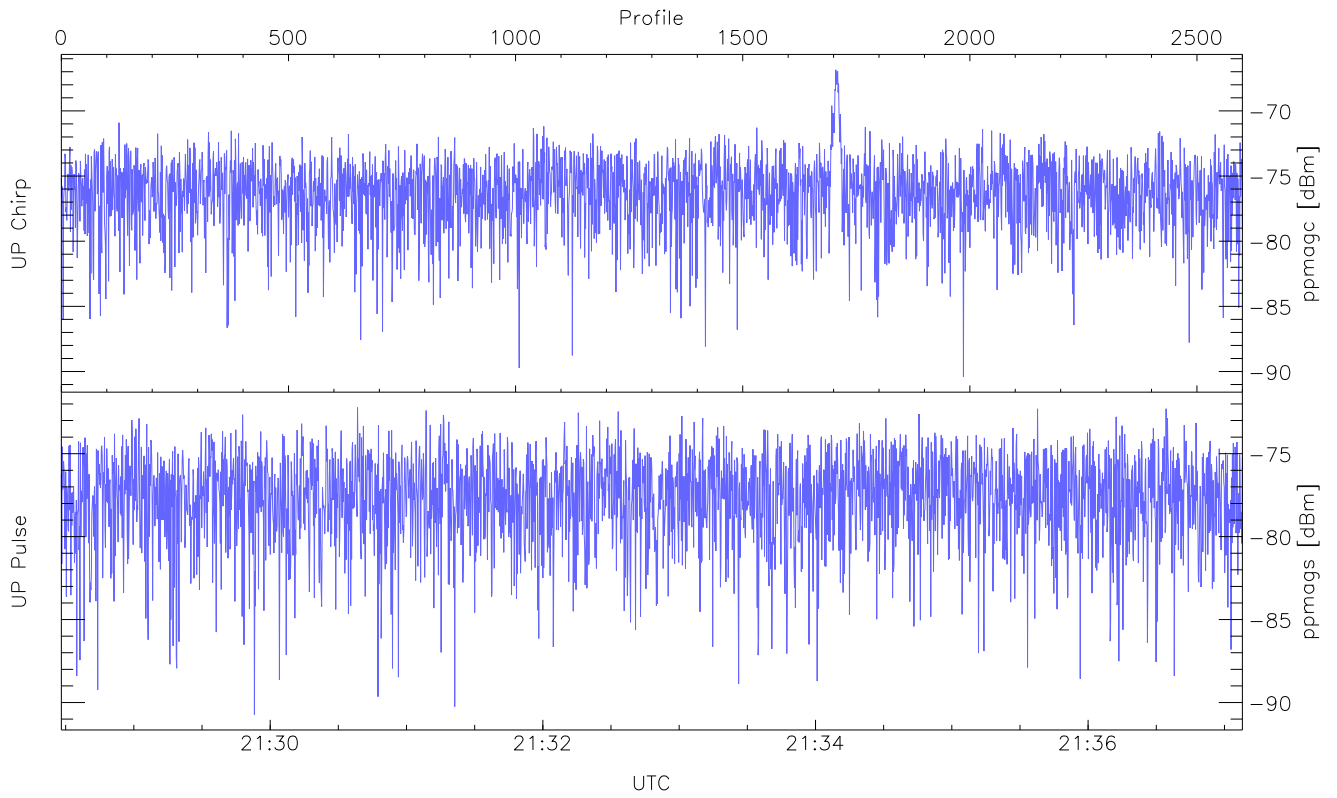
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG148_0	-39.98	40.01	0.53	0.36	23.37
UP_P_RG116_0	-40.04	40.04	-0.59	-1.41	23.05
DOWN_C_WL_0	-39.99	40.03	-0.40	-0.45	23.27
DOWN_P_RG88_0	-40.05	40.06	0.48	0.68	23.13



KPR SPP Received Power for Chirp Range gate 10 (1315.8 m)
 KPR SPP Received Power for Pulse Range gate 10 (466.6 m)

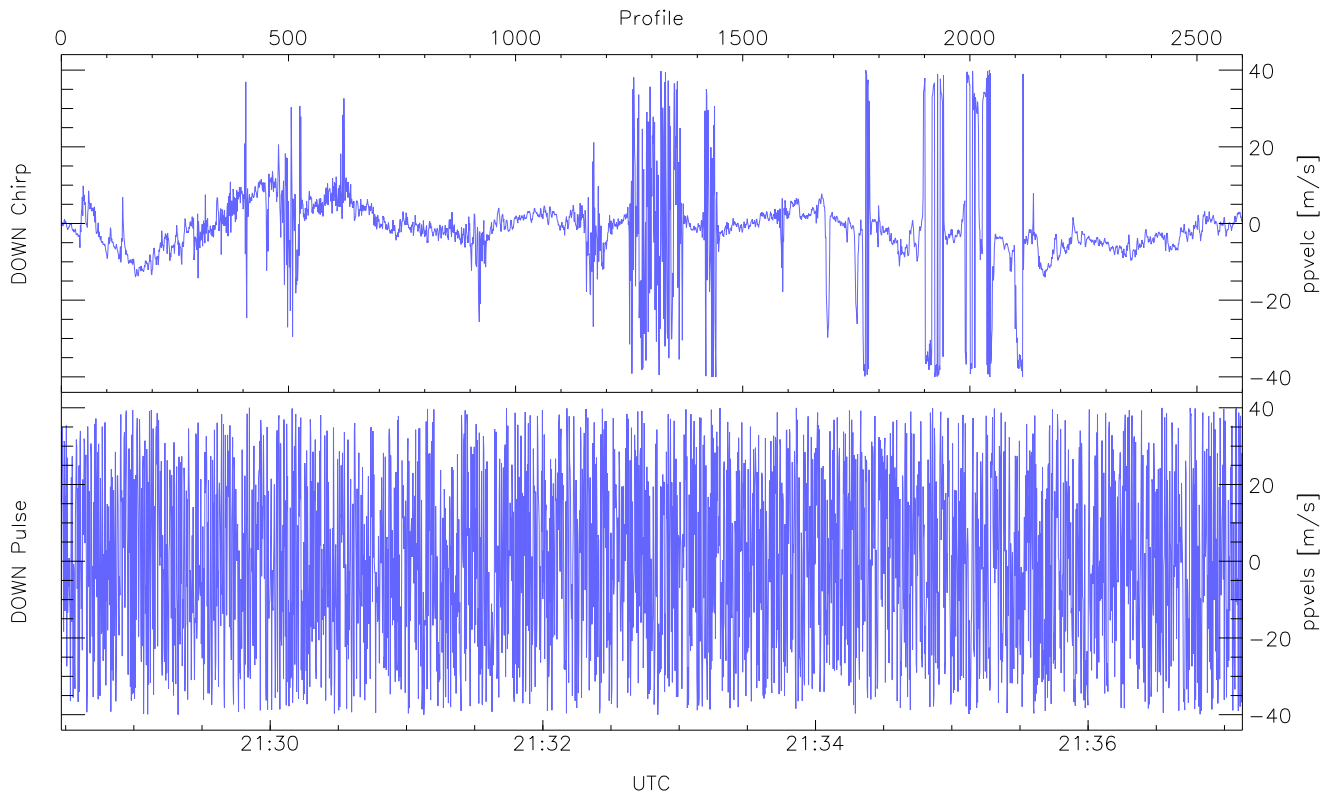
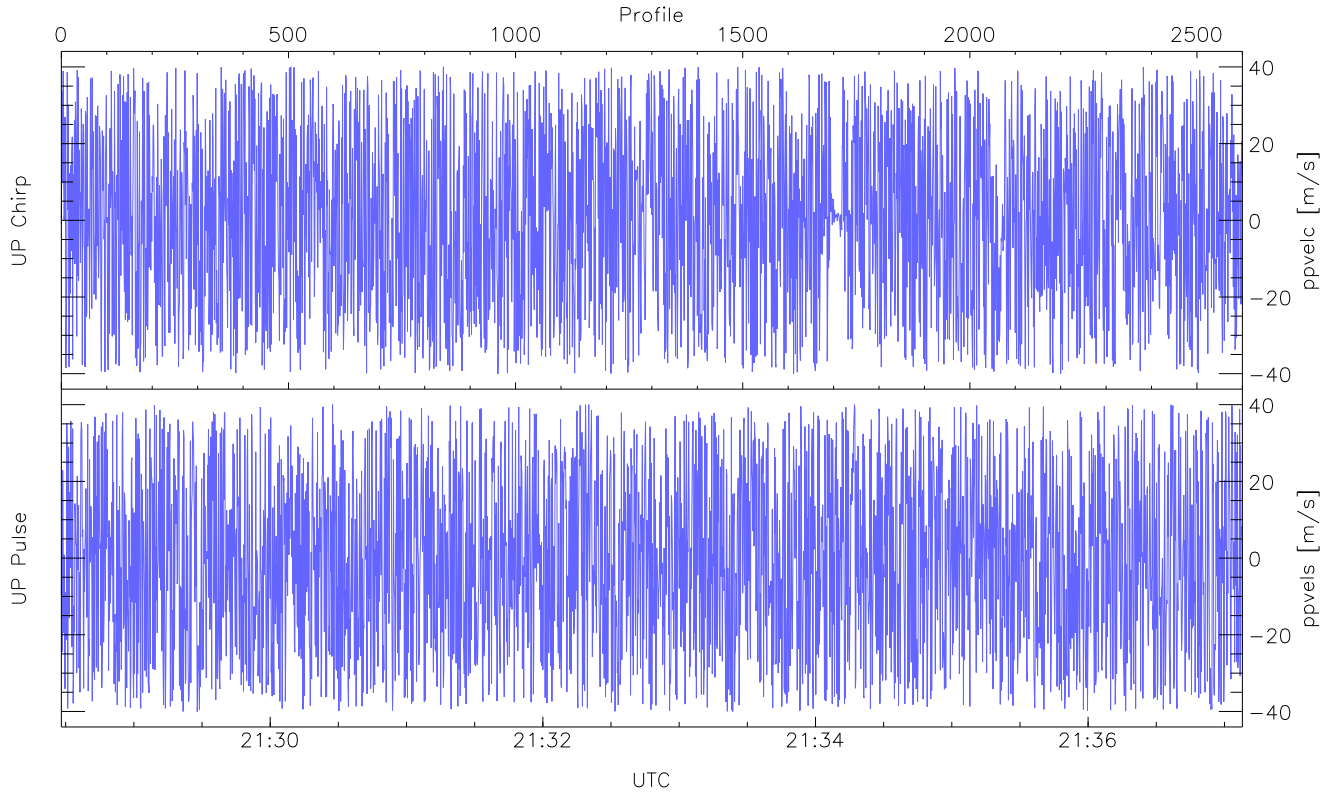
	Min	Max	Mean
UP Chirp(dBm)	-60.78	-59.53	-60.43
UP Pulse(dBm)	-61.97	-61.26	-61.57
DOWN Chirp(dBm)	-60.48	-14.04	-33.06
DOWN Pulse(dBm)	-61.74	-60.99	-61.37



KPR SPP PPMAG for Chirp Range gate 10 (1315.8 m)

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

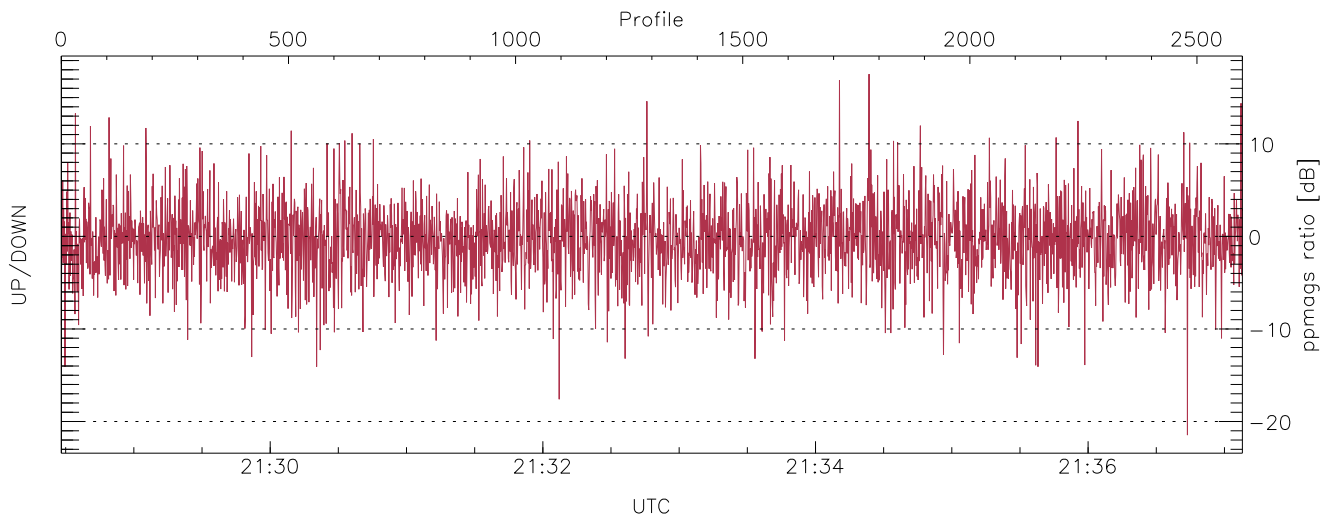
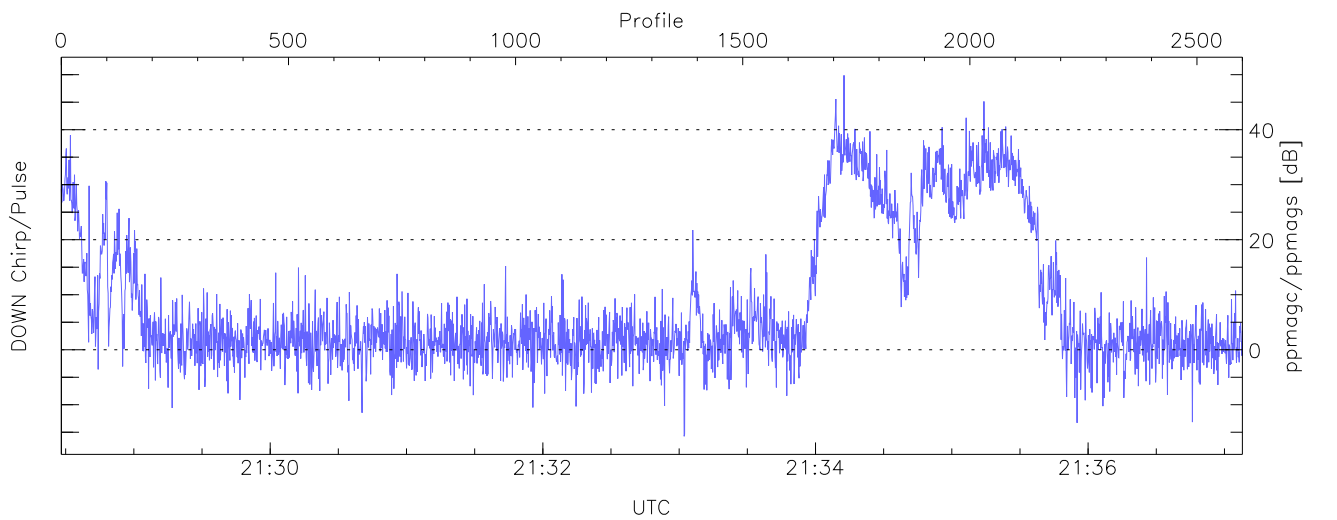
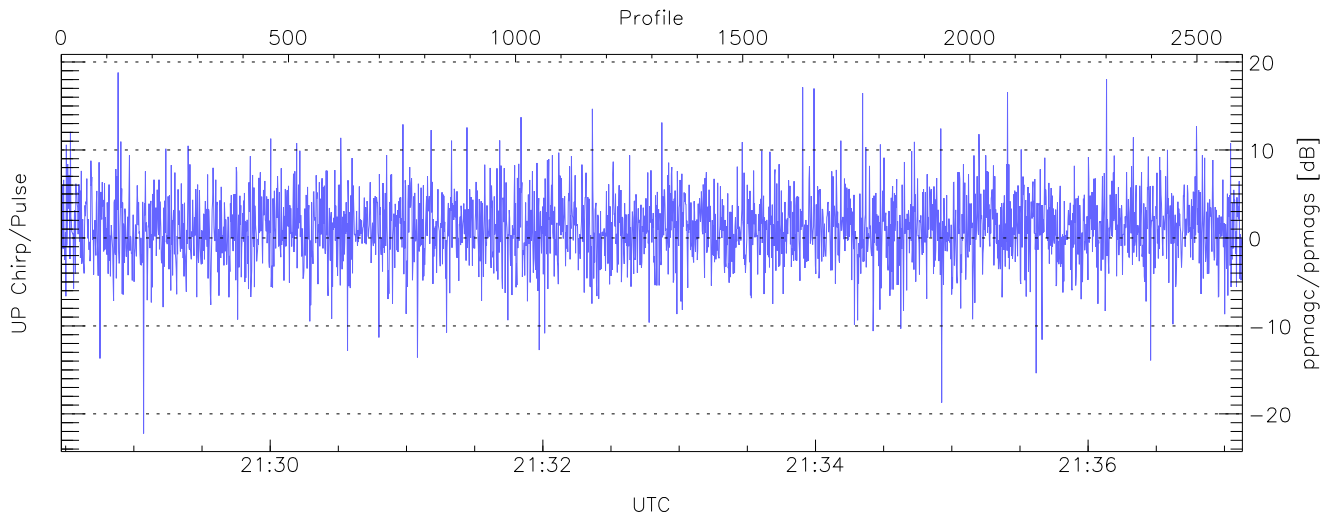
	Min	Max	Mean
UP Chirp(dBm)	-90.41	-66.85	-75.67
UP Pulse(dBm)	-90.73	-72.22	-77.05
DOWN Chirp(dBm)	-90.86	-14.16	-34.42
DOWN Pulse(dBm)	-92.54	-71.56	-76.75



KPR SPP PPVEL for Chirp Range gate 10 (1315.8 m)

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

	Min	Max	Mean
UP Chirp(m/s)	-40.05	40.05	0.32
UP Pulse(m/s)	-40.03	40.04	-0.87
DOWN Chirp(m/s)	-40.05	40.05	-1.36
DOWN Pulse(m/s)	-40.03	40.01	-0.13



KPR SPP PPMAG Chirp/Pulse; Range gate: 1046.0m /1066.2m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-22.23	18.81	2.94
DOWN Chirp/Pulse(dBm)	-15.74	49.89	26.67
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-21.47	17.54	1.65