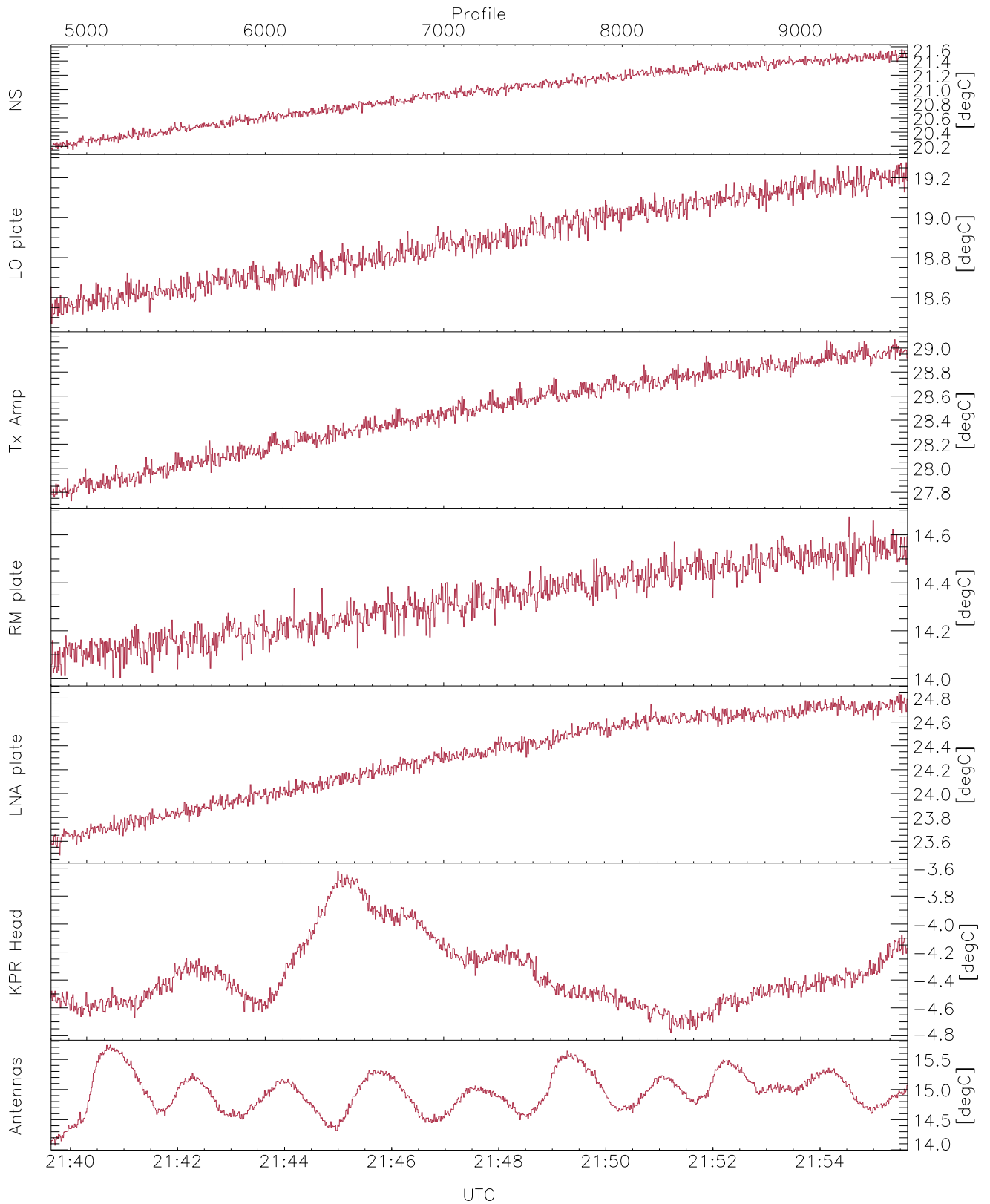
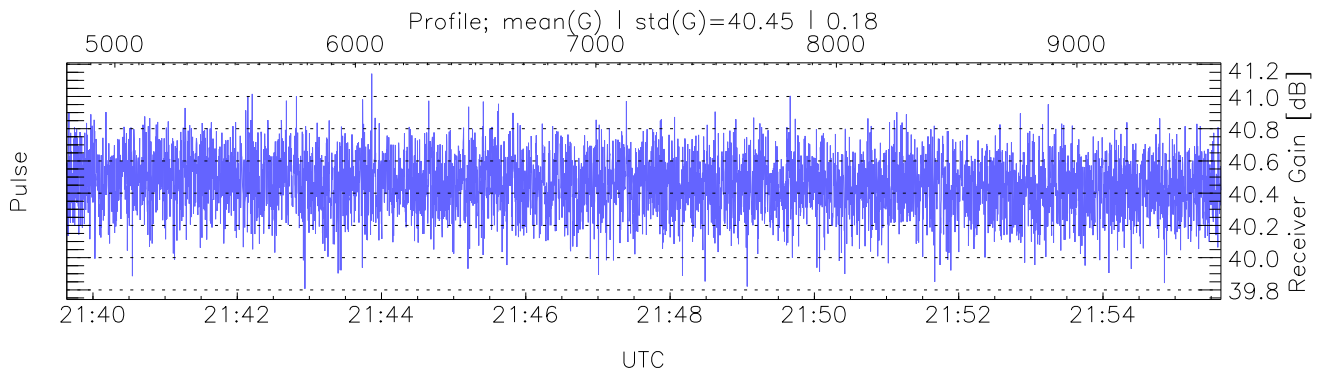
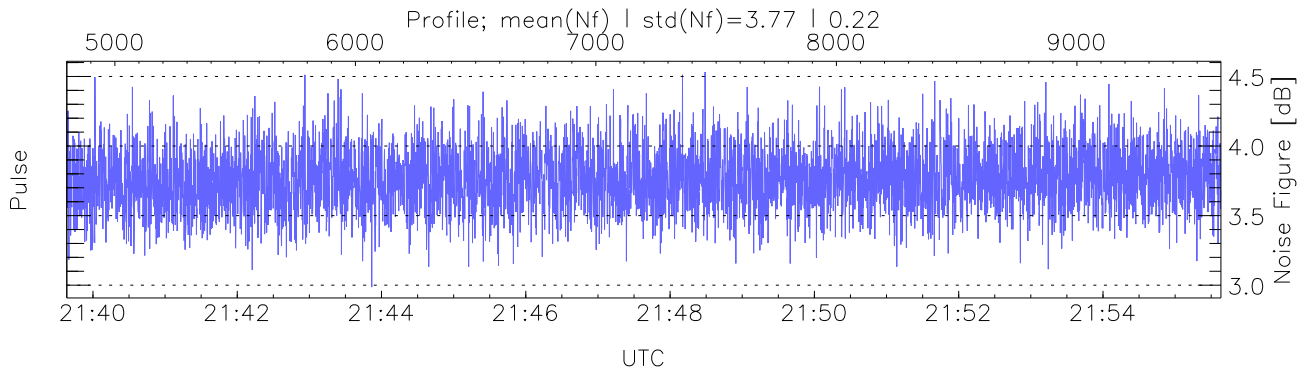
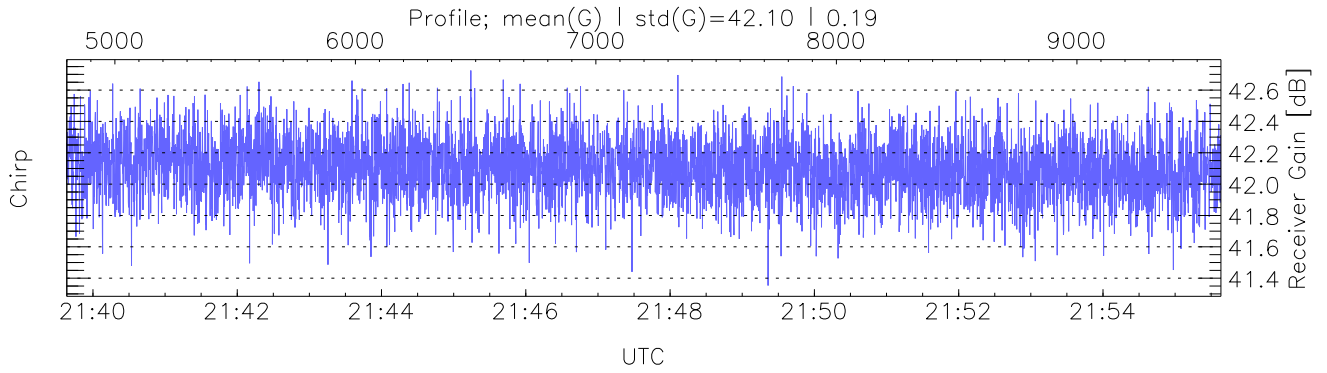
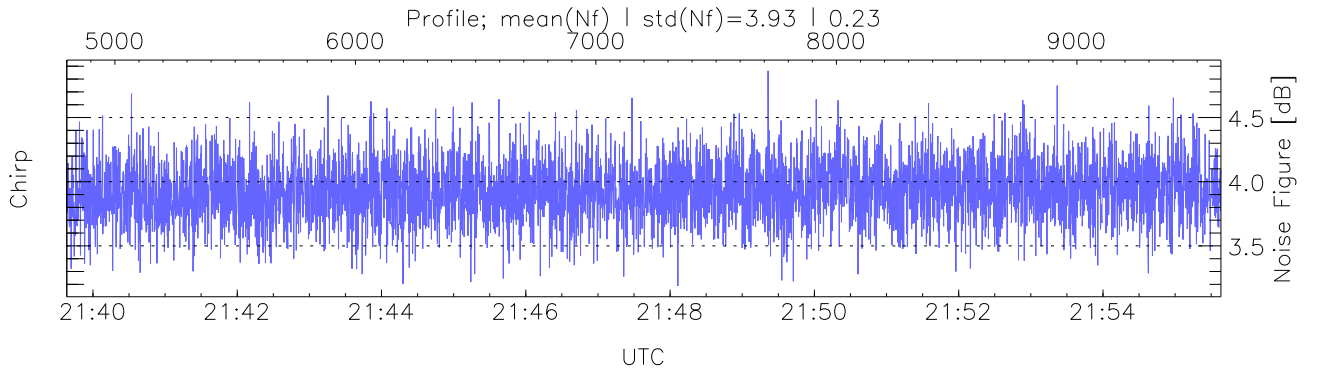


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 21:23:38-22:10:14, TimeCor: 0.00s, Dur: 959.88s
 TimeInt(min,max,mn,std): 199.7,200.4,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 4800/13977, 4800-9599/21:39:38-21:55:38
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.8 KB/s
 Pulse: 618 ns, Chirp: 6.18 us, 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, 6529 m, Gates: 171
 Chirp Range(min,max): 1210, 6494 m, Gates: 142
 RangeGateSampling: 37.5 m, Aspect: 2.1

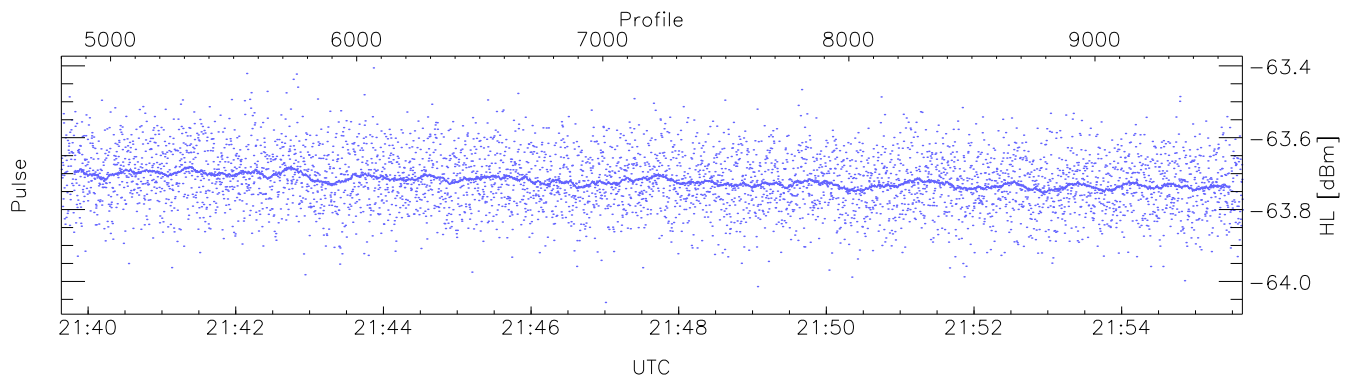
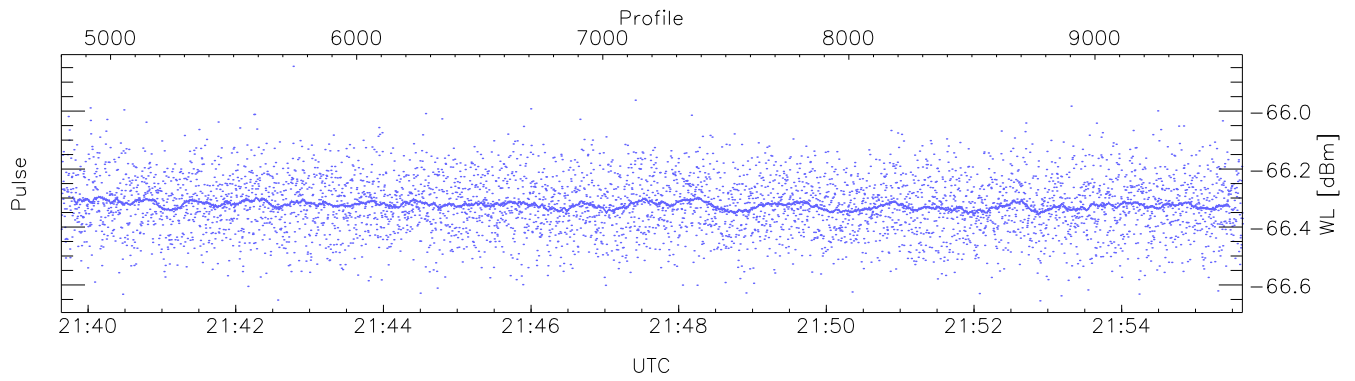
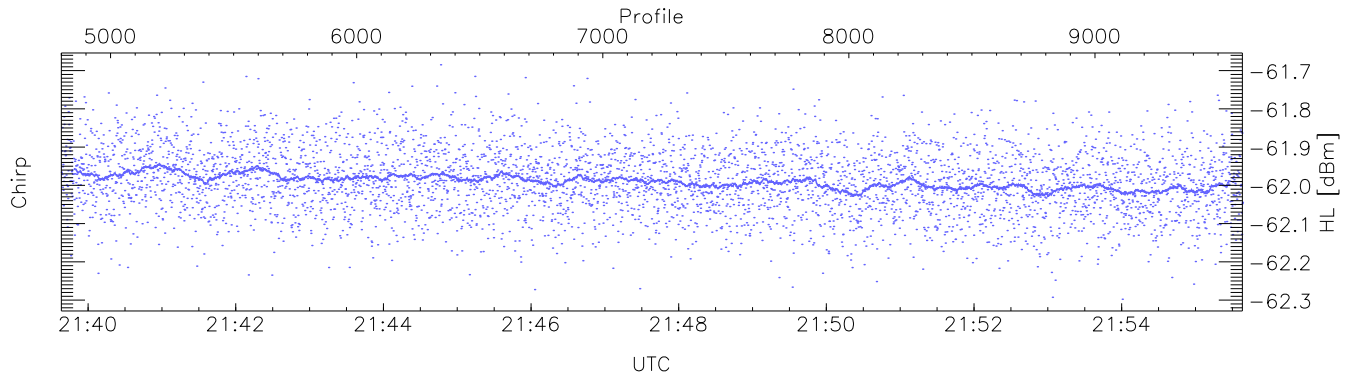
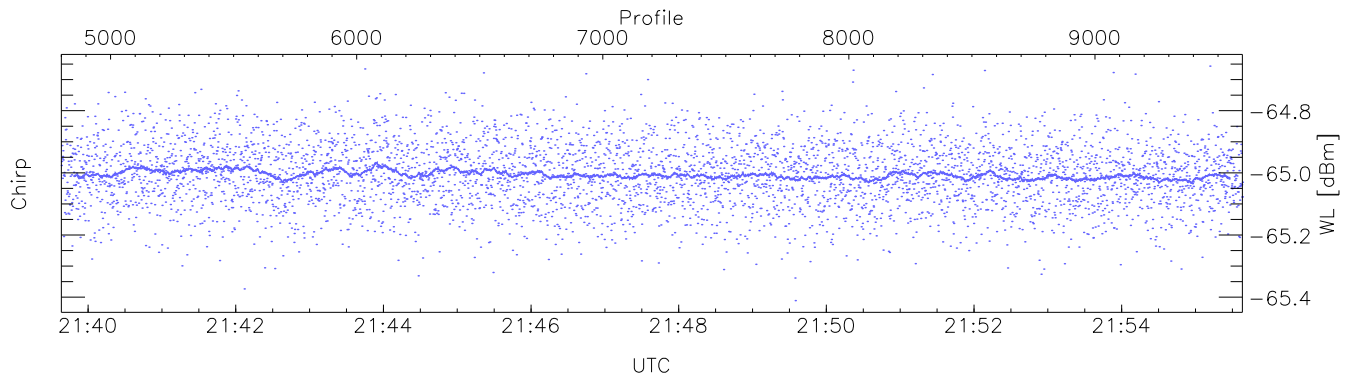


KPR SPP Temperatures, Power Supplies, PLO lock:

temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	20.2,	18.5,	27.7,	14.0,	23.5,	-4.8,	14.1
maxtempC:	21.6,	19.3,	29.1,	14.7,	24.8,	-3.6,	15.7
meantempC:	20.9,	18.9,	28.5,	14.3,	24.3,	-4.4,	14.9
PwrSply:	28,	12,	8,	5	VDC		
minVDC:	25.88,	11.64,	7.86,	5.21			
maxVDC:	27.85,	11.72,	7.90,	5.23			
meanVDC:	26.89,	11.68,	7.88,	5.22			
PLO(3.84,15.84 GHz) unlocked: None							

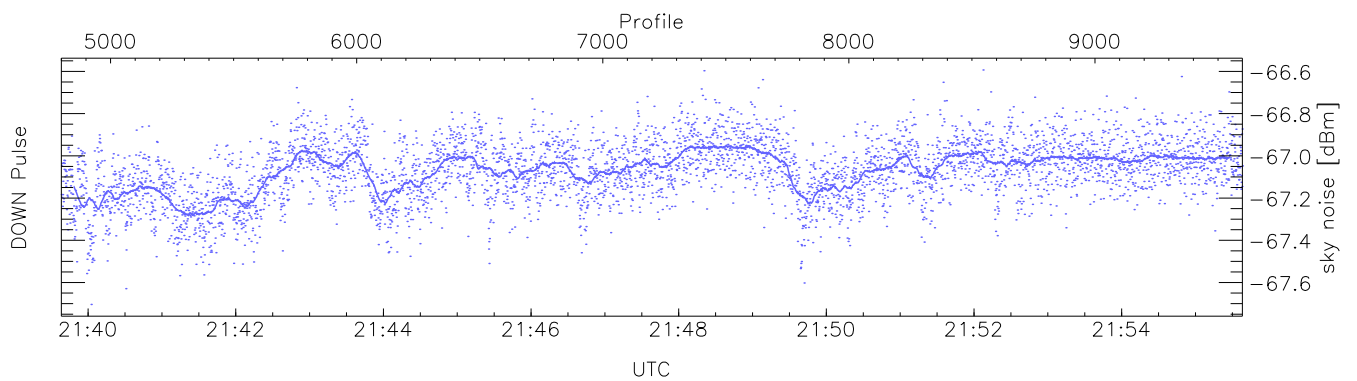
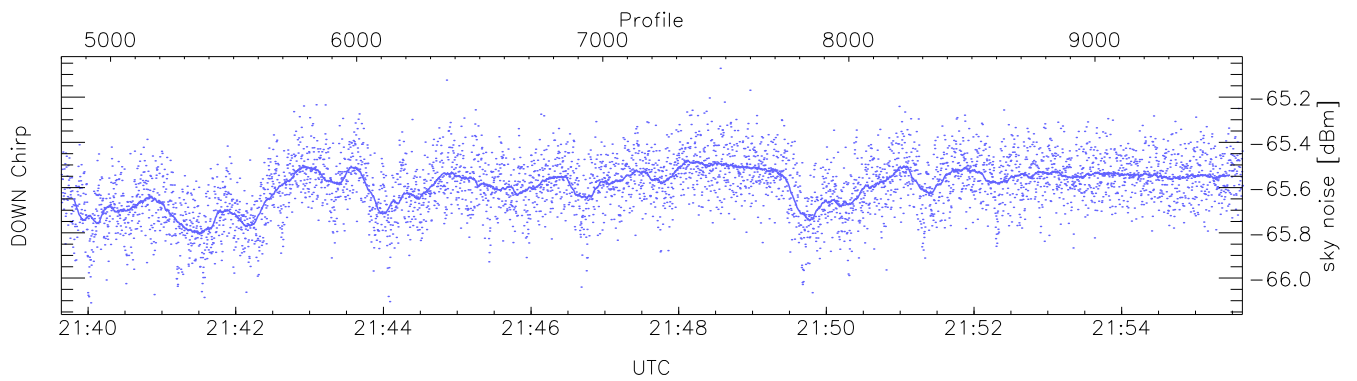
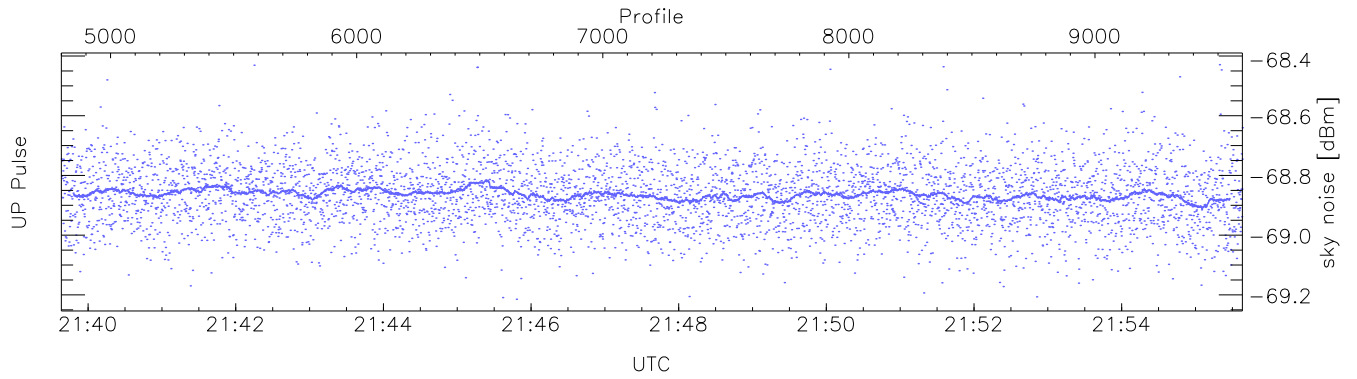
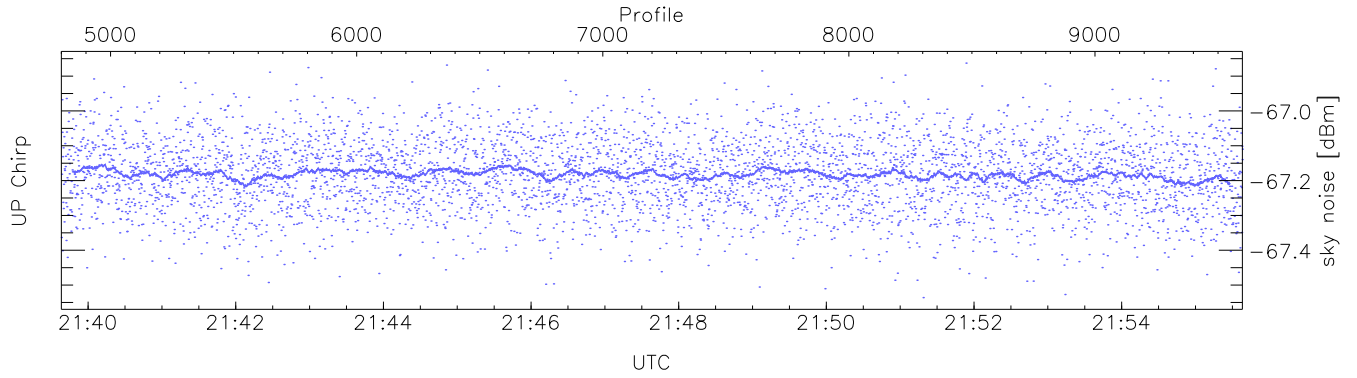


KPR SPP Receiver Gain and Noise Figure



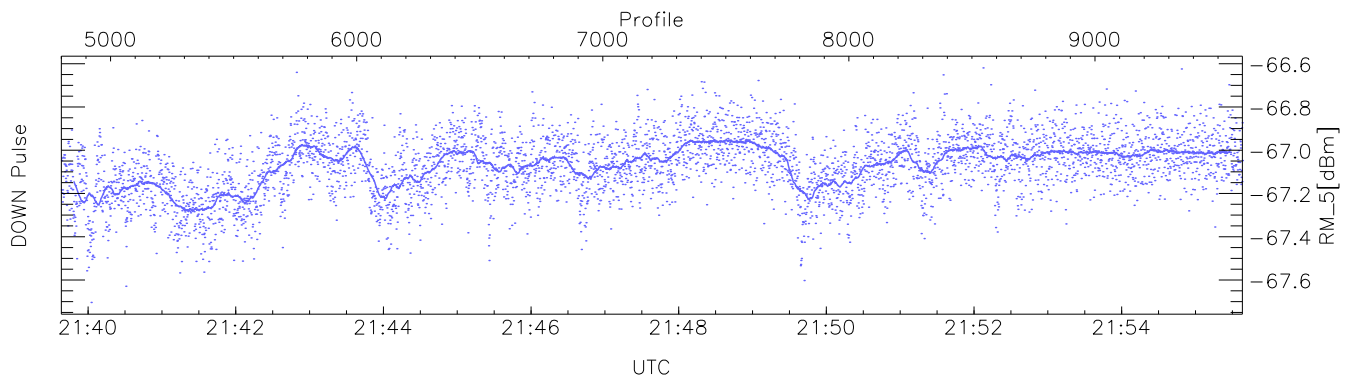
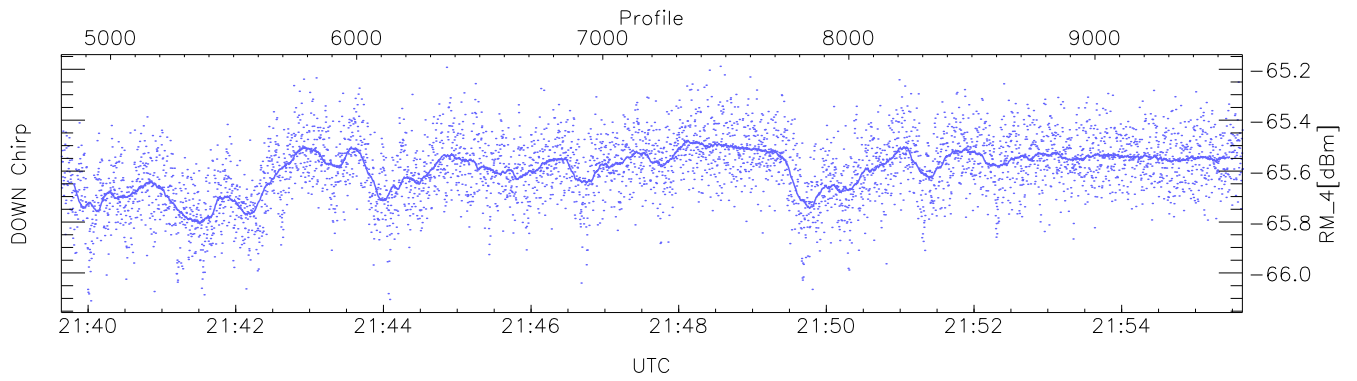
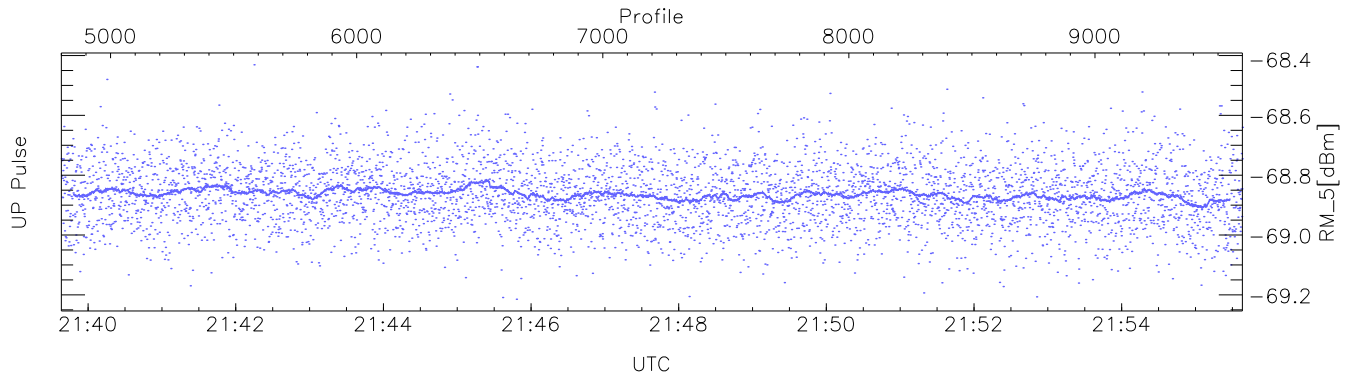
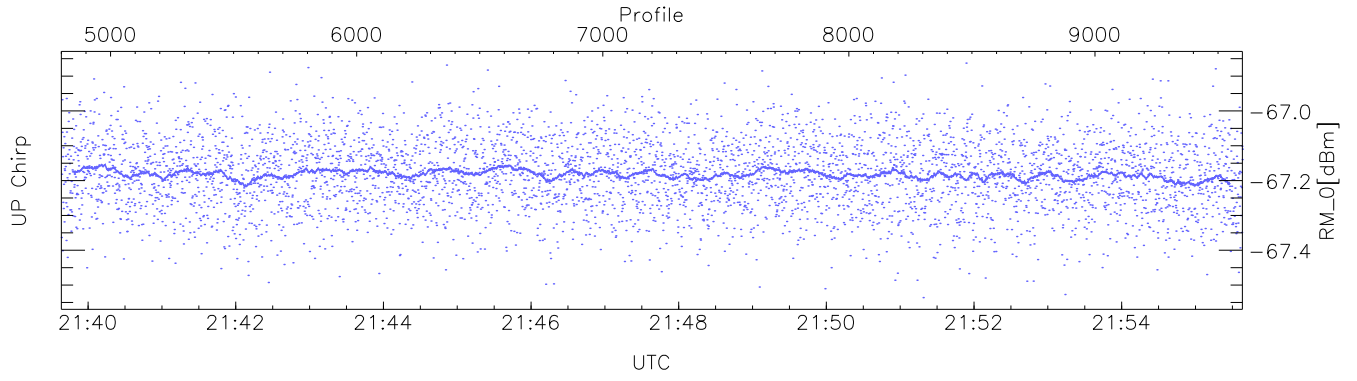
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.41	-64.66	-65.01	-65.01	-81.32
Chirp(HL [dBm])	-62.30	-61.68	-61.99	-61.99	-79.09
Pulse(WL [dBm])	-66.65	-65.85	-66.32	-66.33	-82.55
Pulse(HL [dBm])	-64.06	-63.41	-63.72	-63.72	-80.86



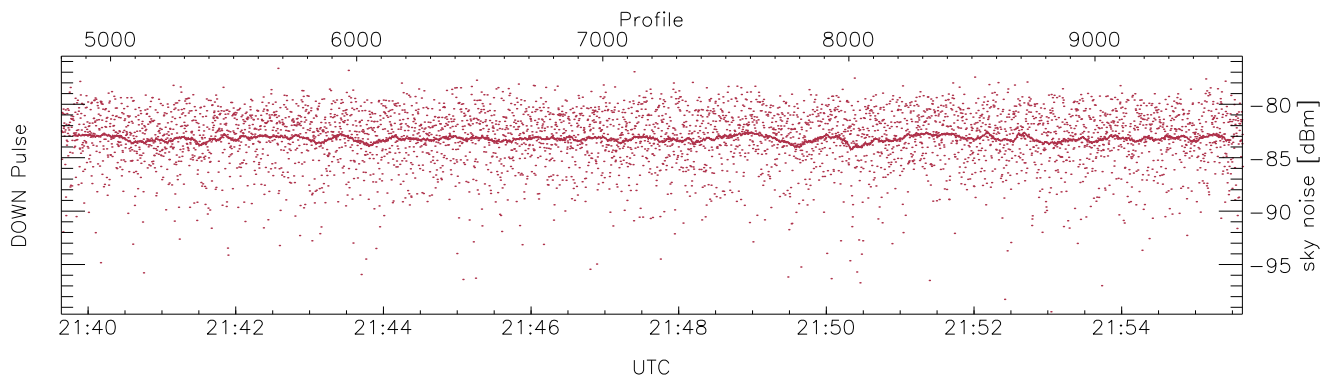
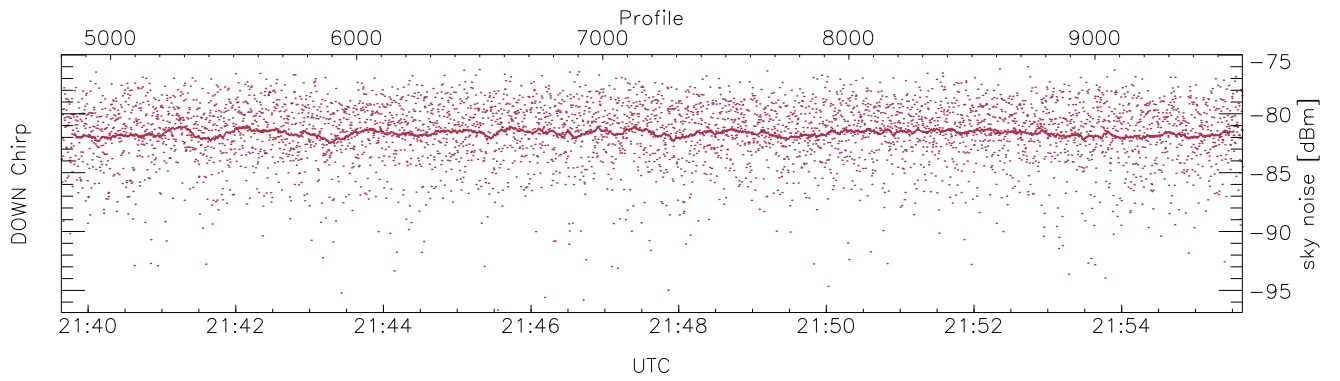
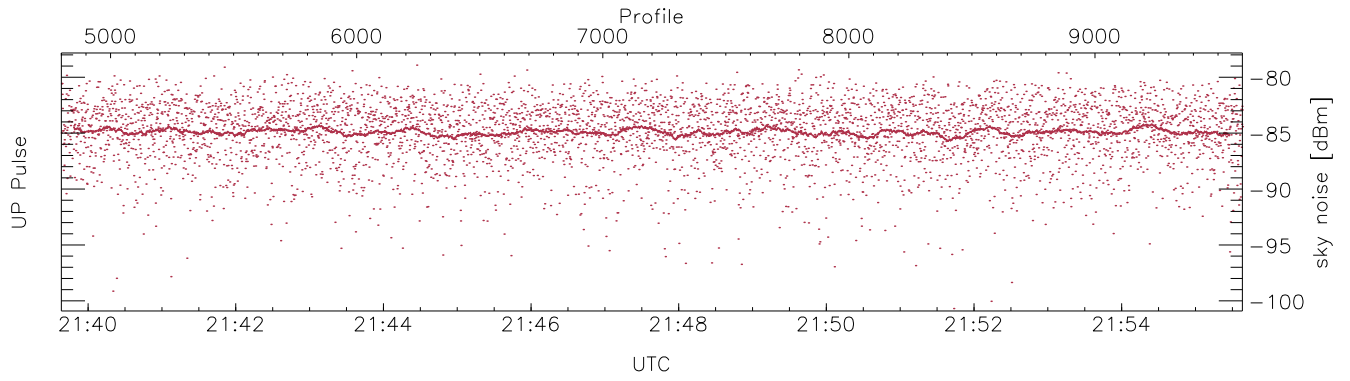
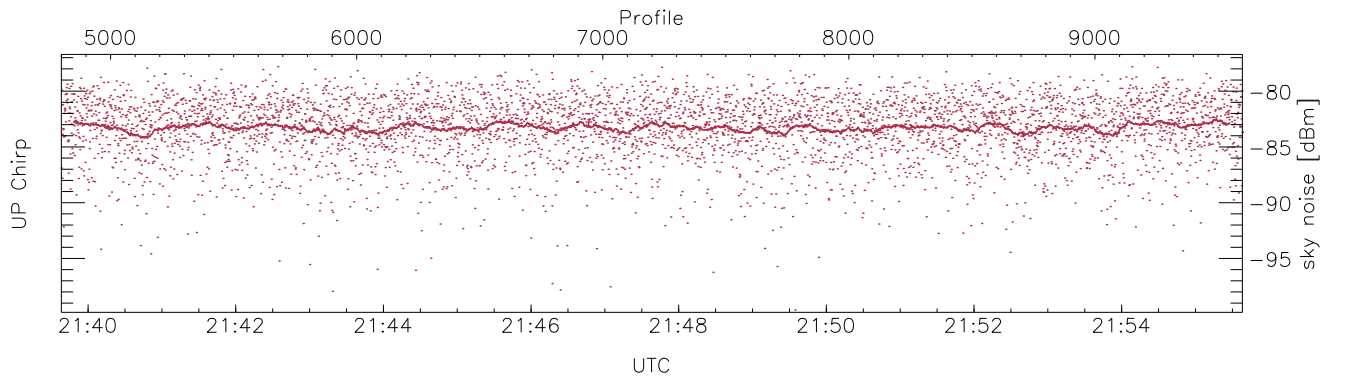
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.54	-66.86	-67.18	-67.18	-83.55
UP Pulse(dBm)	-69.21	-68.43	-68.86	-68.87	-85.06
DOWN Chirp(dBm)	-66.11	-65.07	-65.59	-65.59	-80.67
DOWN Pulse(dBm)	-67.70	-66.59	-67.07	-67.06	-81.96



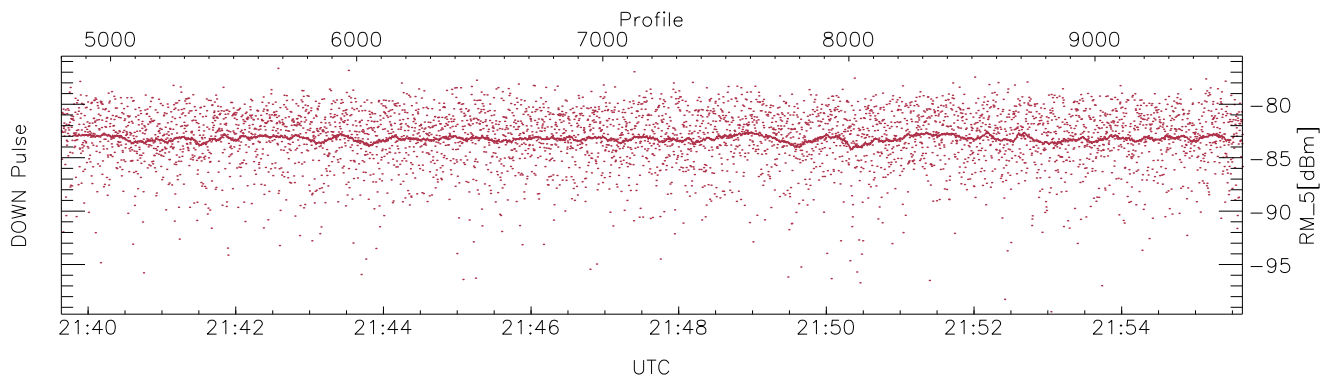
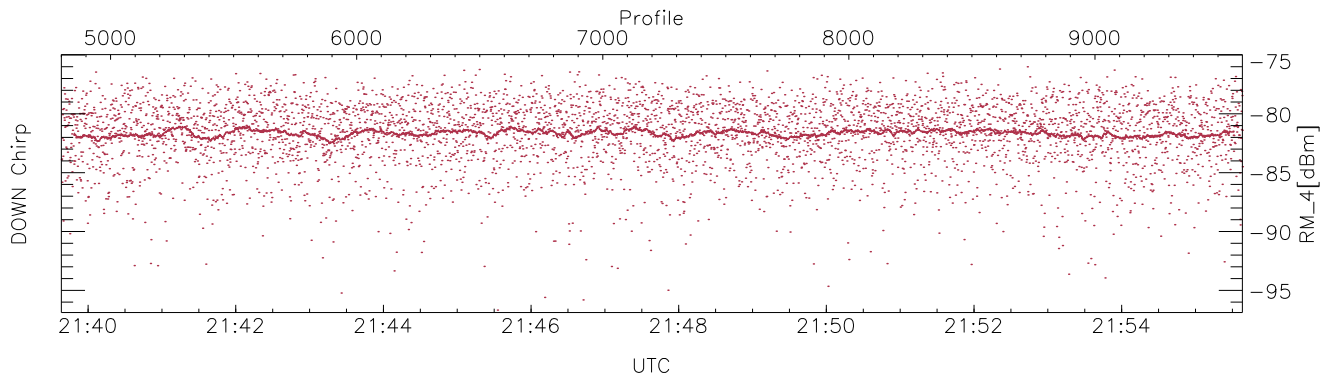
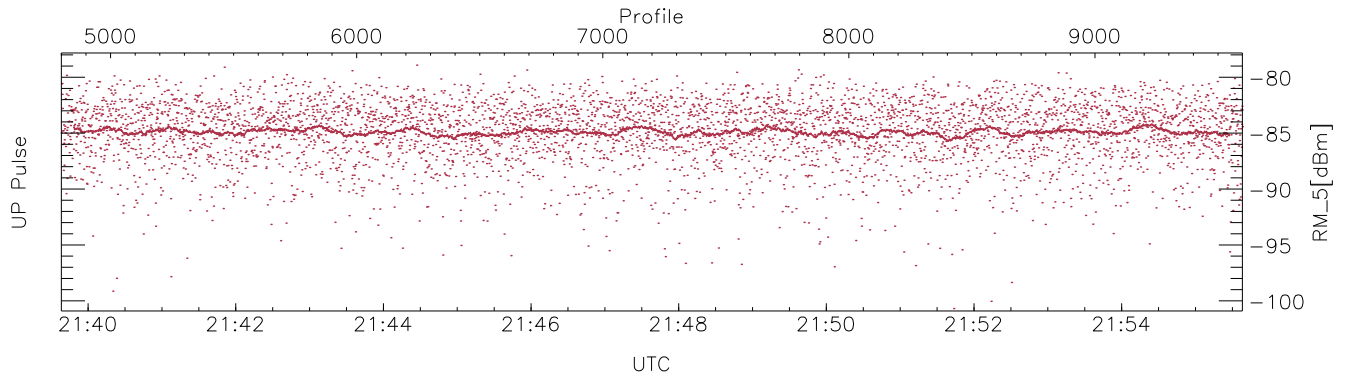
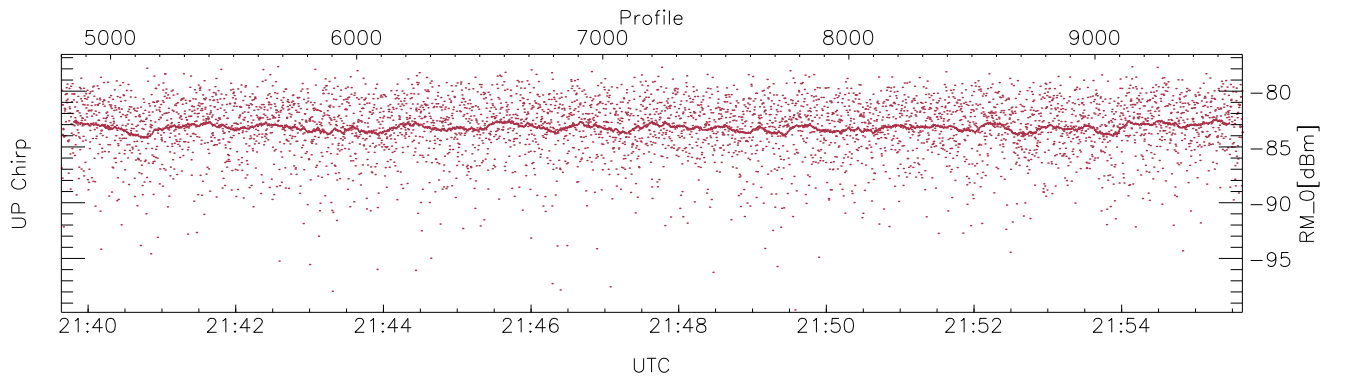
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-67.54	-66.86	-67.18	-67.18	-83.55
UP_P_RM_5	-69.21	-68.43	-68.86	-68.87	-85.08
DOWN_C_RM_4	-66.11	-65.19	-65.59	-65.59	-80.68
DOWN_P_RM_5	-67.70	-66.62	-67.07	-67.06	-81.97



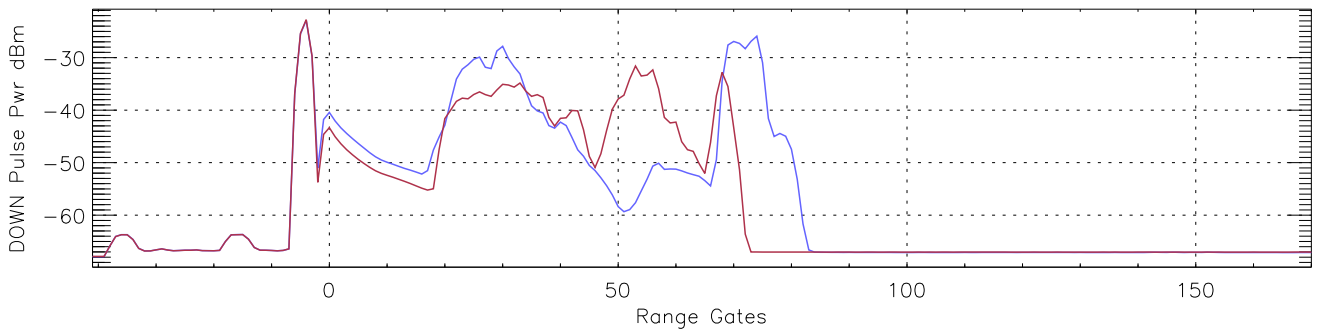
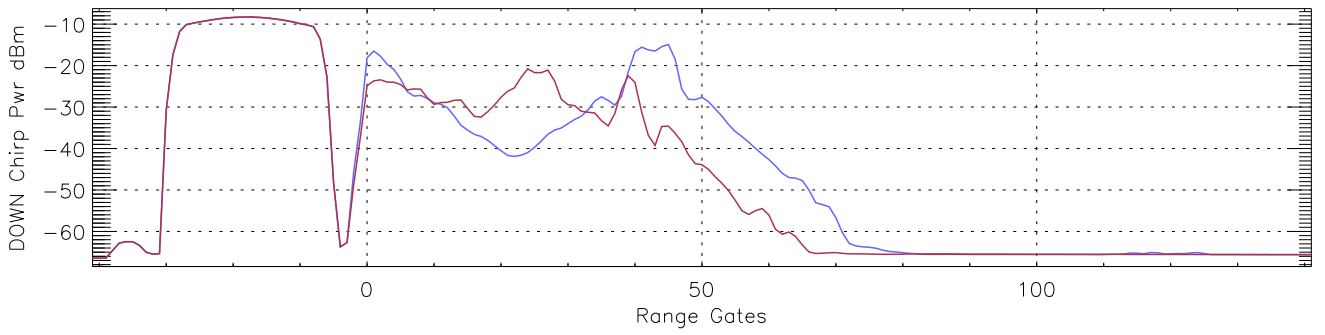
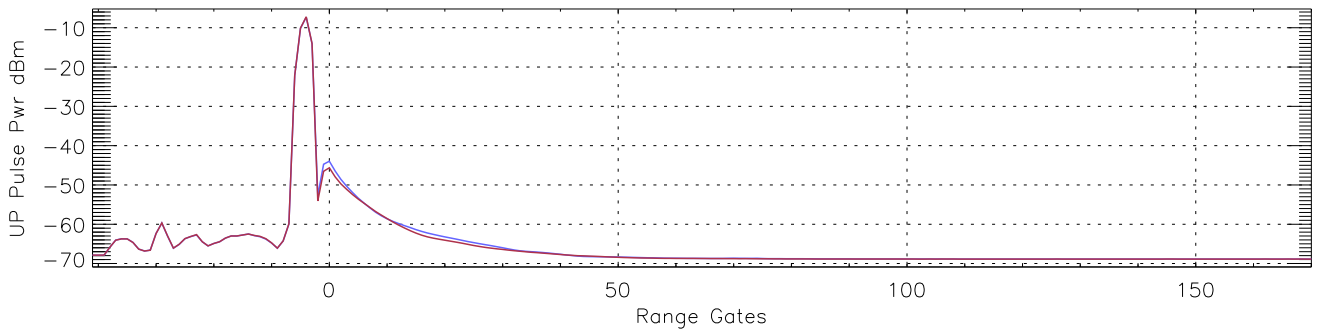
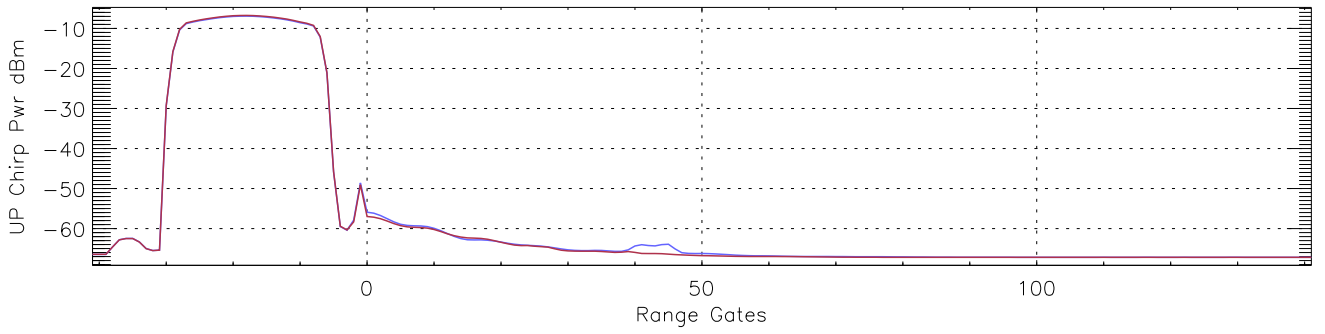
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.61	-77.80	-82.58	-82.85	-85.47
UP Pulse(dBm)	-100.69	-78.92	-84.18	-84.48	-86.97
DOWN Chirp(dBm)	-96.68	-76.00	-80.96	-81.25	-83.78
DOWN Pulse(dBm)	-99.42	-76.64	-82.48	-82.78	-85.23

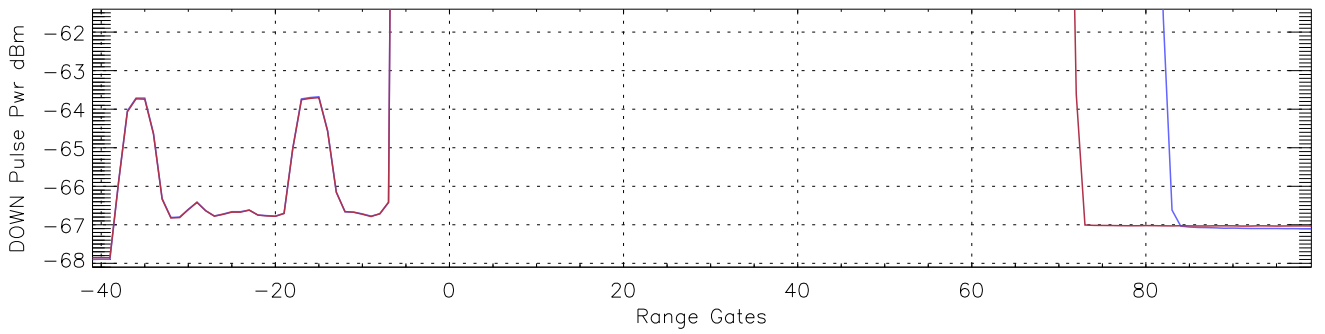
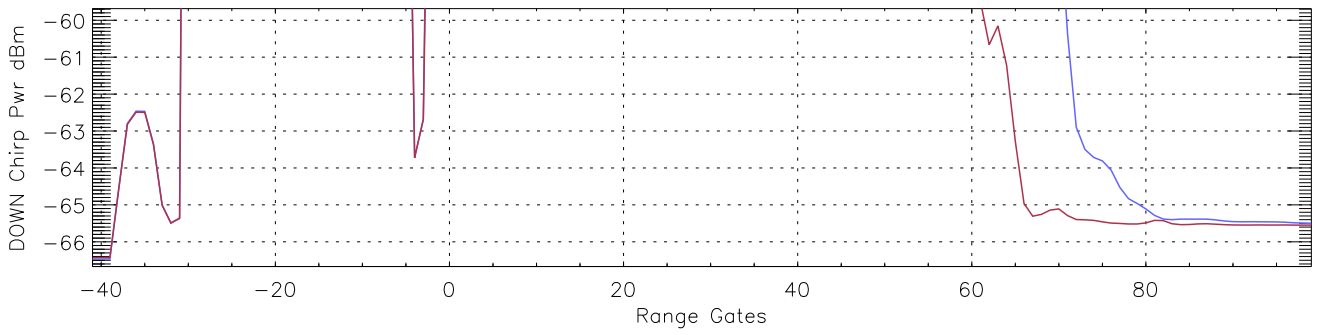
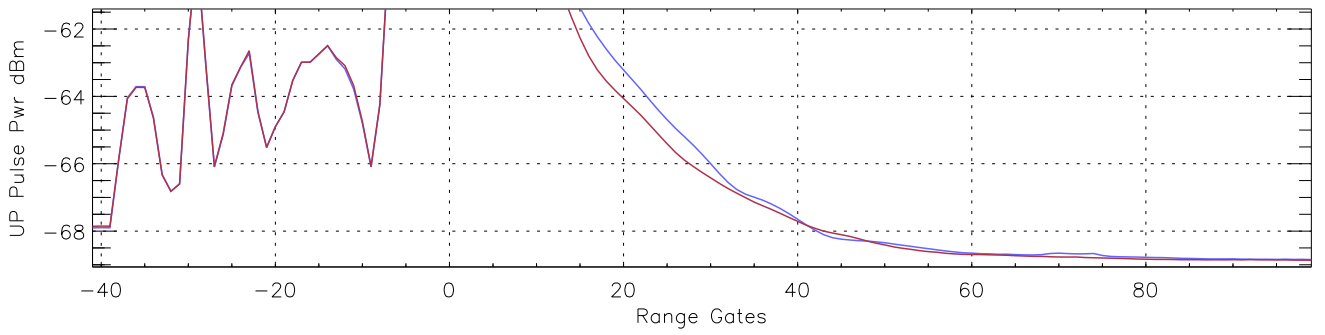
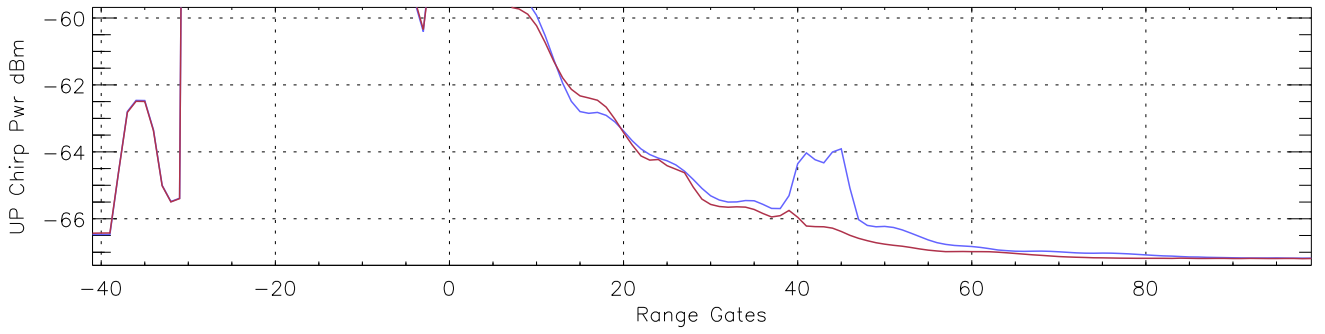


KPR SPP "Best" PPMAG noise (dBm):

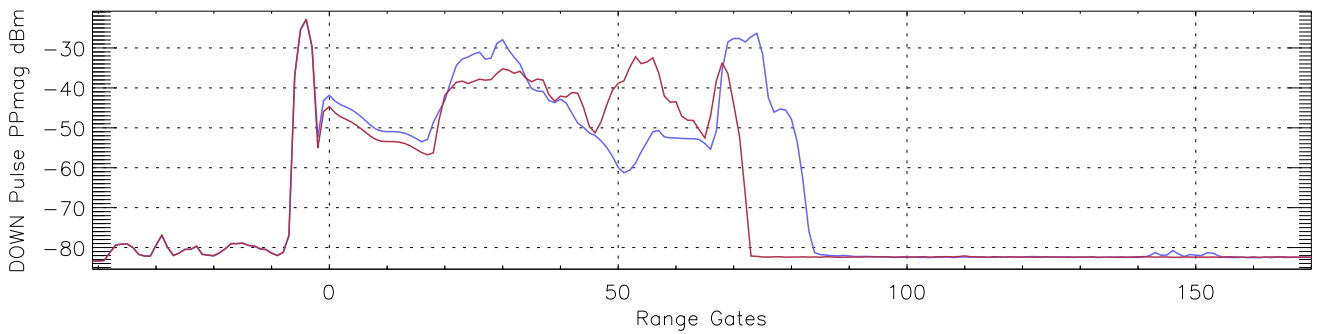
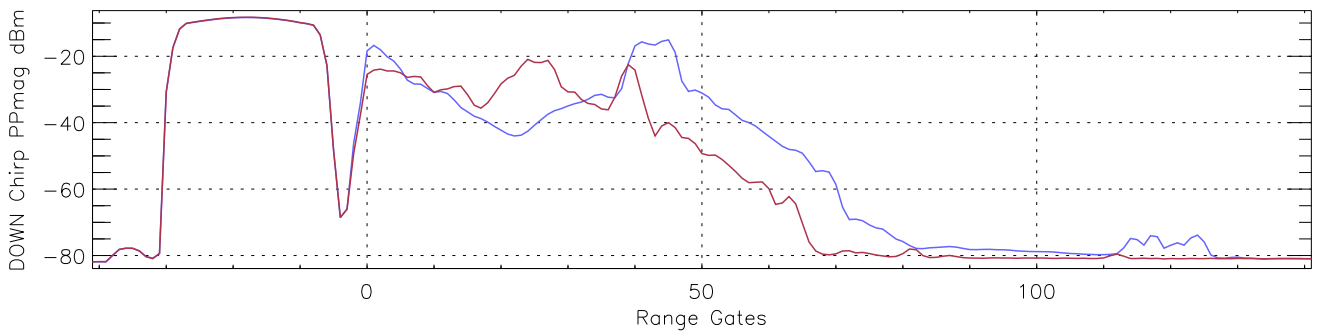
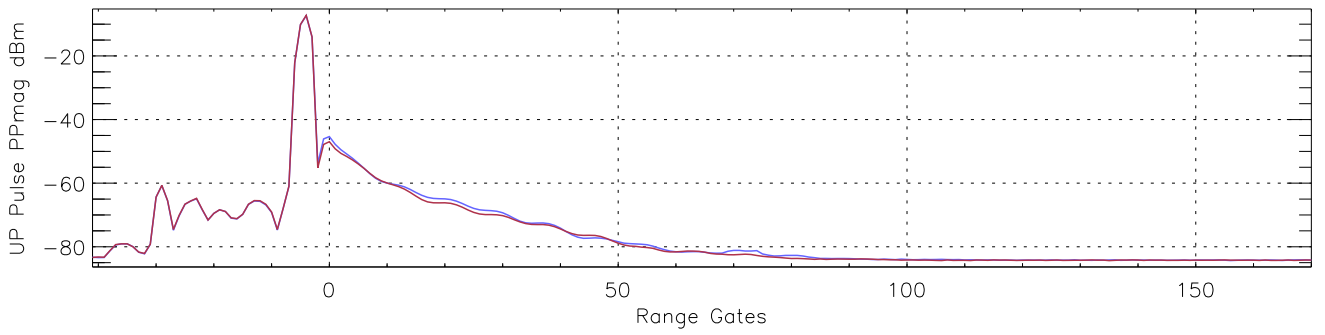
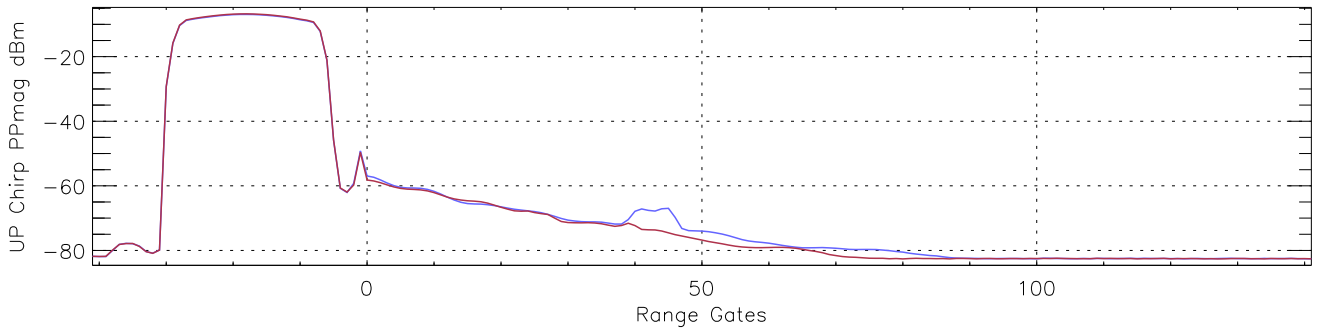
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-99.61	-77.80	-82.58	-82.85	-85.47
UP_P_RM_5	-100.69	-78.92	-84.18	-84.48	-86.97
DOWN_C_RM_4	-96.68	-76.00	-80.96	-81.25	-83.78
DOWN_P_RM_5	-99.42	-76.64	-82.48	-82.78	-85.23



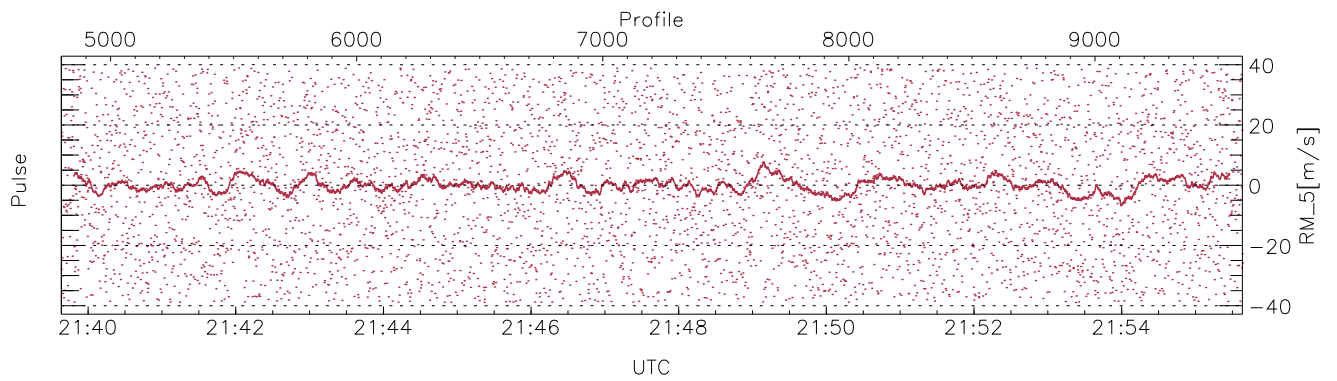
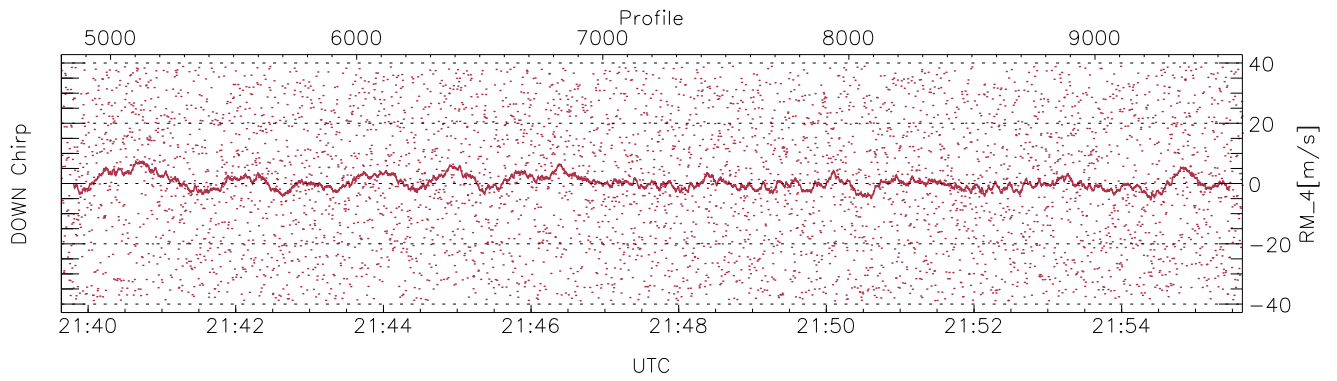
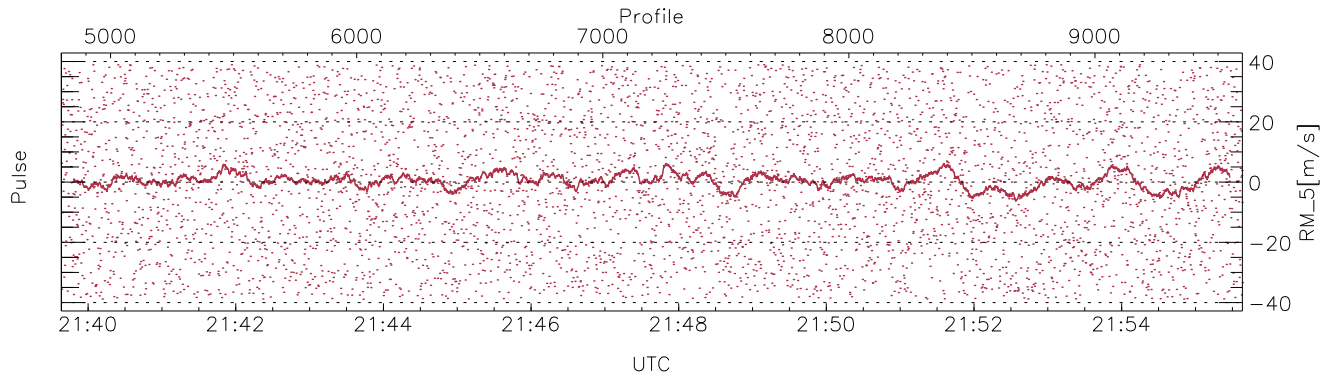
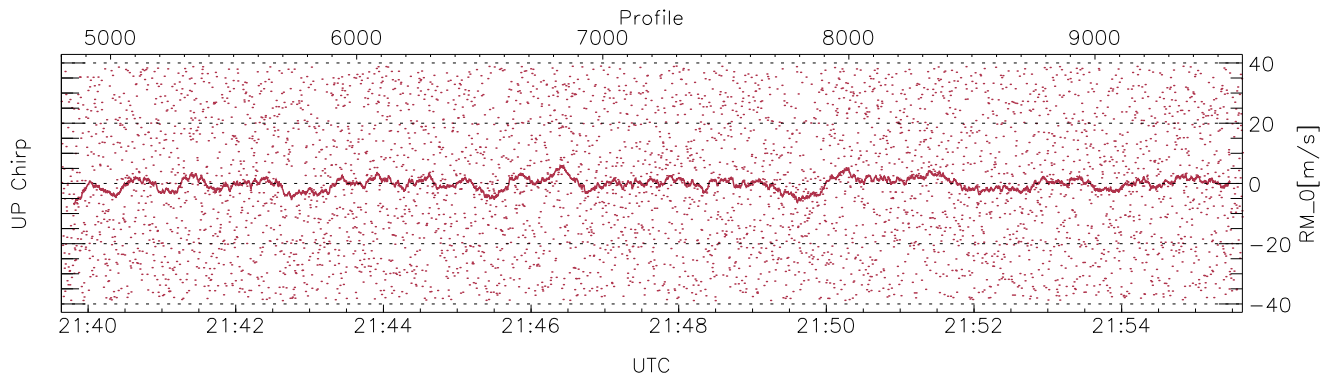
KPR SPP Averaged Received power for all recorded gates
blue: 213938-214738, 2401 profiles averaged
red: 214738-215538, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 213938-214738, 2401 profiles averaged
red: 214738-215538, 2400 profiles averaged

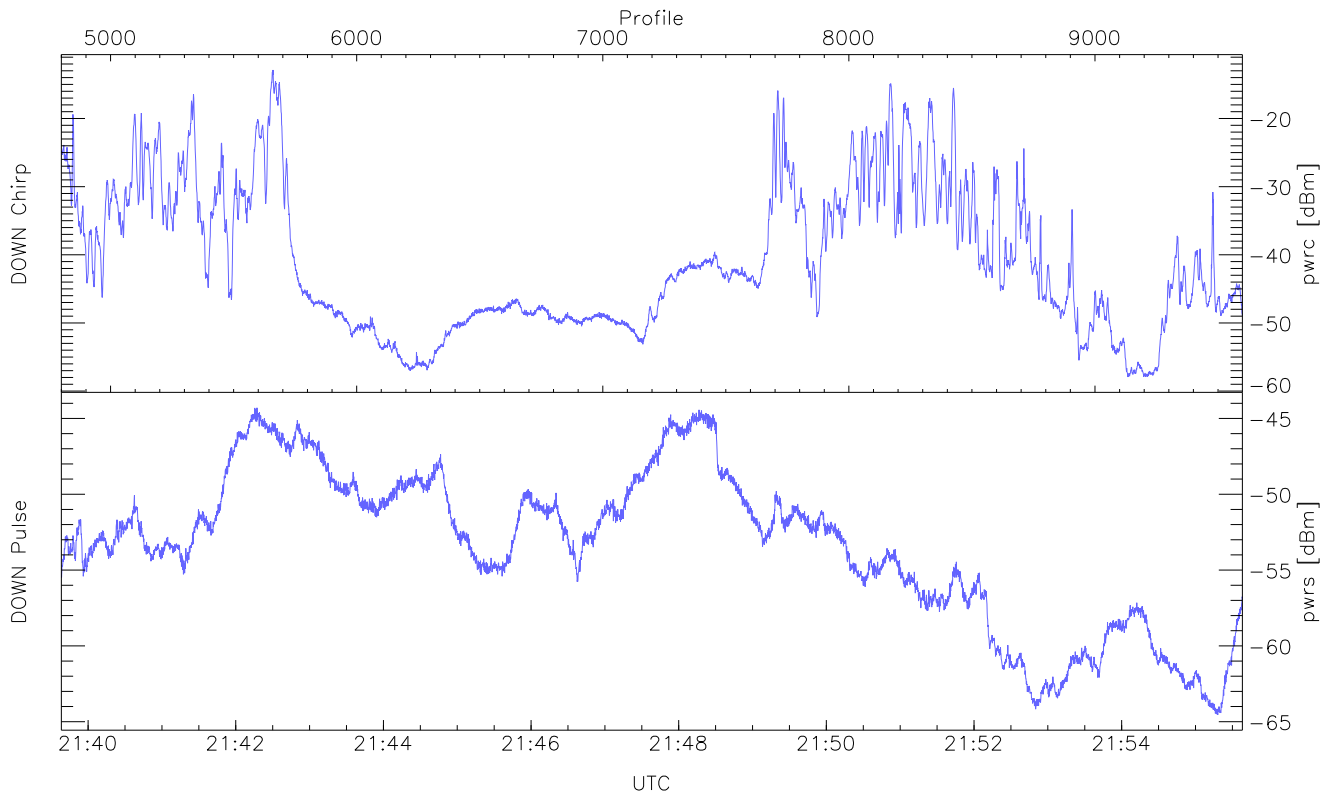
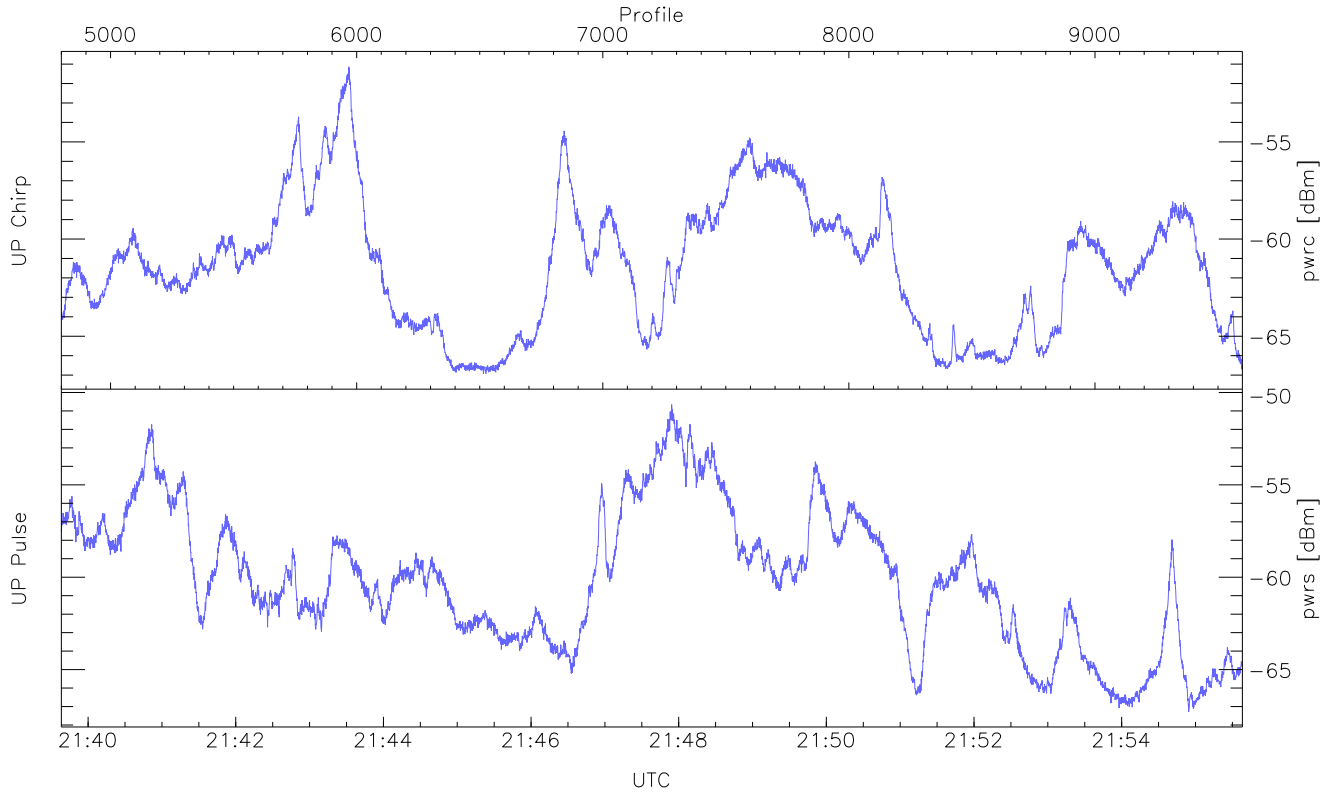


KPR SPP Averaged PP magnitude for all recorded gates
blue: 213938-214738, 2401 profiles averaged
red: 214738-215538, 2400 profiles averaged



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

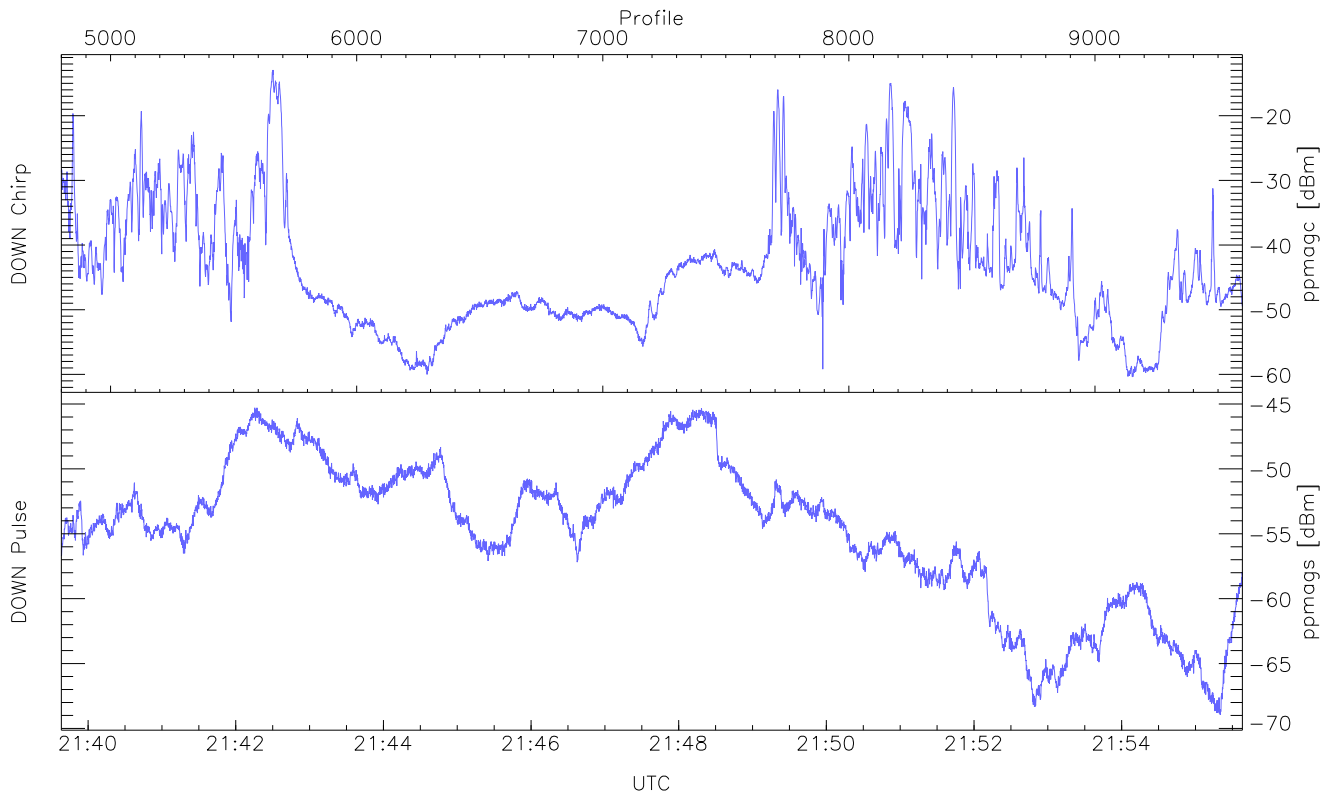
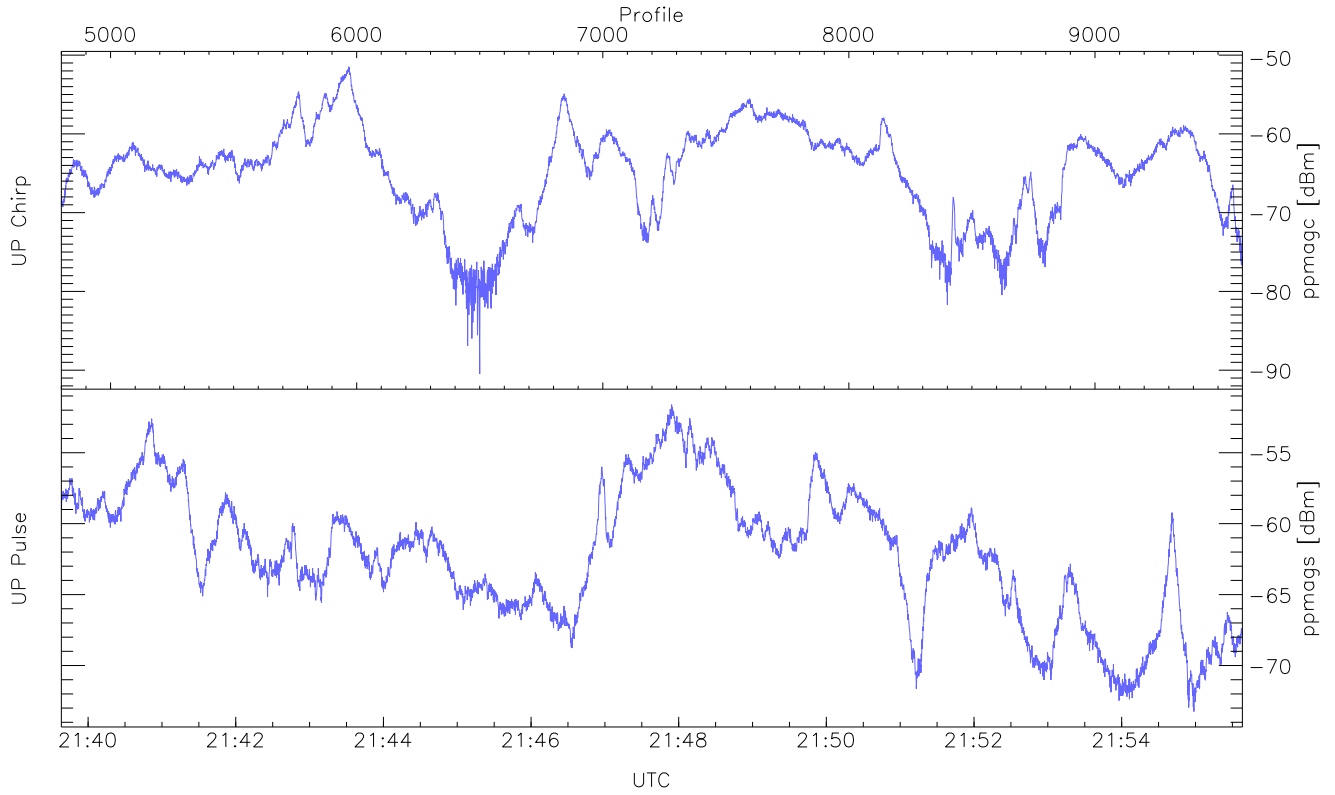
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-38.91	38.94	-0.28	-0.92	22.31
UP_P_RM_5	-38.90	38.94	0.41	0.28	22.31
DOWN_C_RM_4	-38.93	38.90	0.26	0.68	22.00
DOWN_P_RM_5	-38.92	38.94	0.03	-0.10	22.11



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

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

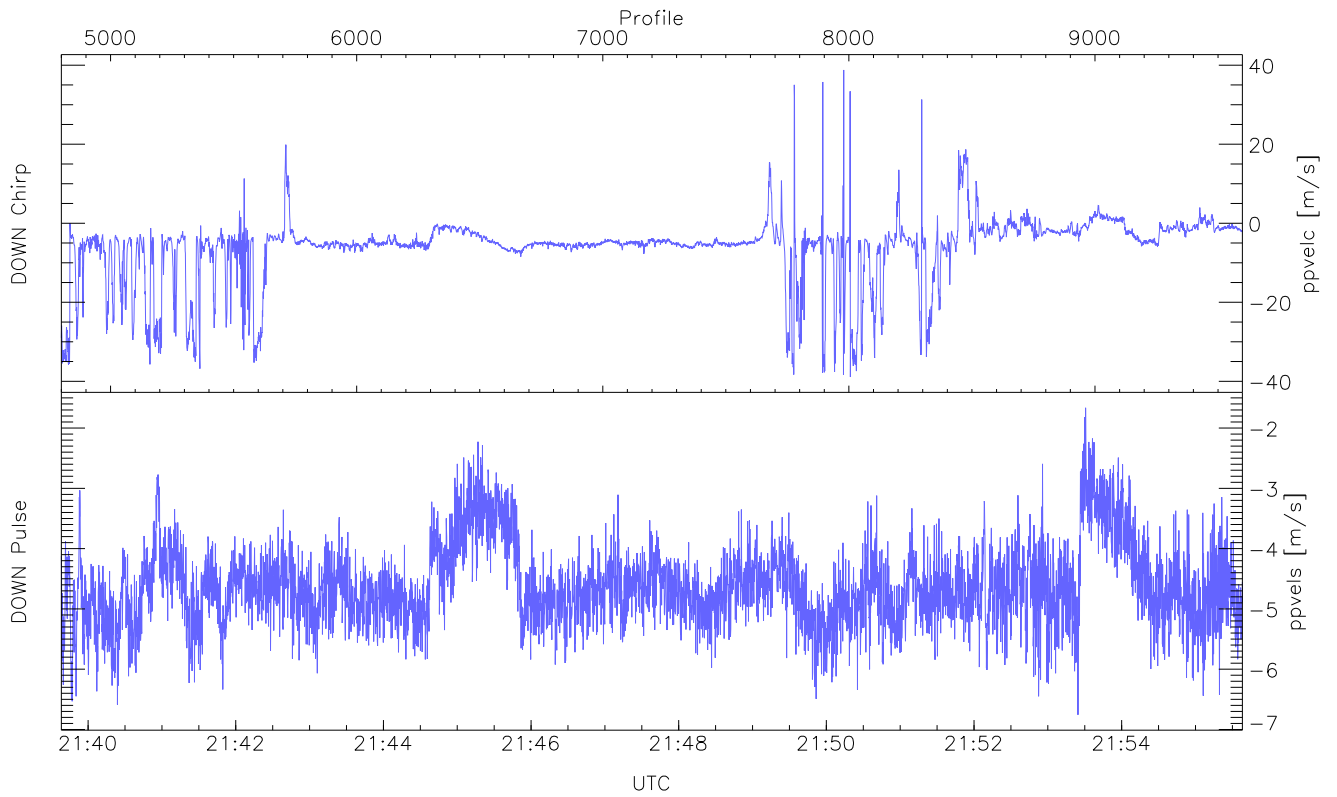
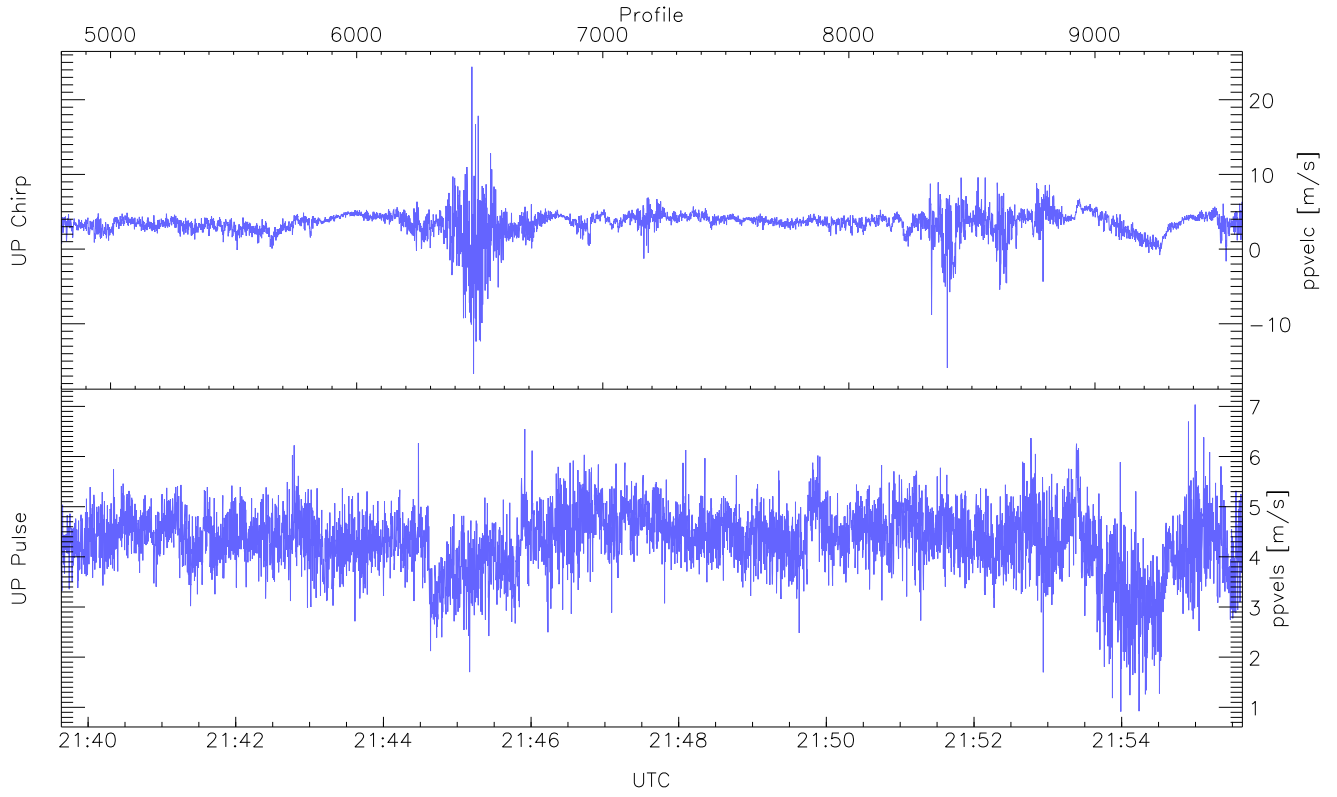
	Min	Max	Mean
UP Chirp(dBm)	-66.94	-51.14	-60.07
UP Pulse(dBm)	-67.27	-50.65	-58.60
DOWN Chirp(dBm)	-57.94	-12.88	-29.18
DOWN Pulse(dBm)	-64.55	-44.29	-50.99



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

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

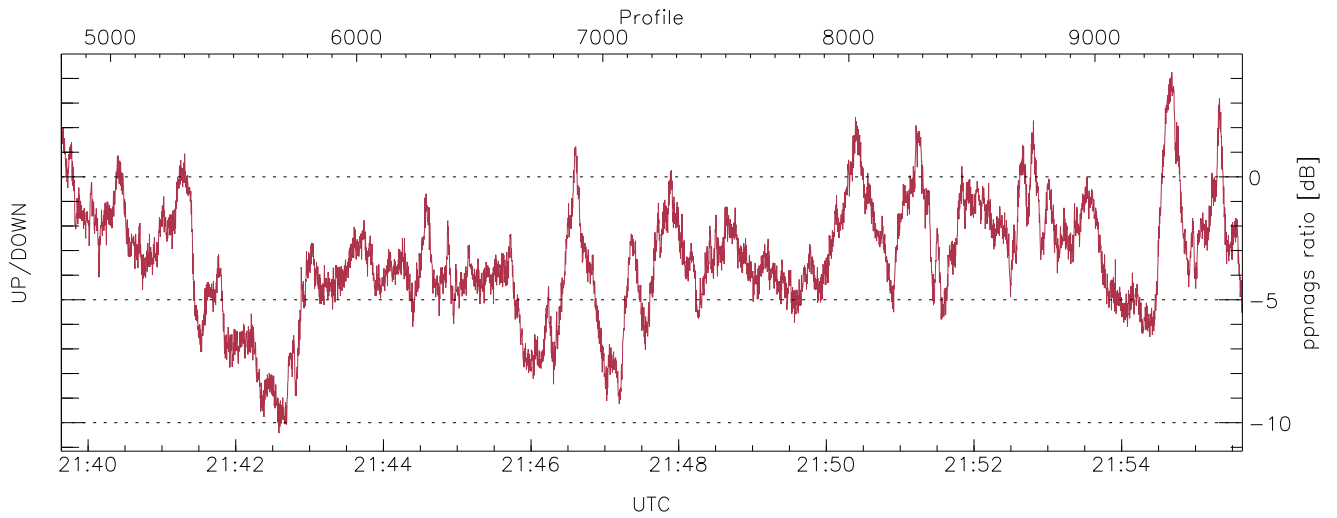
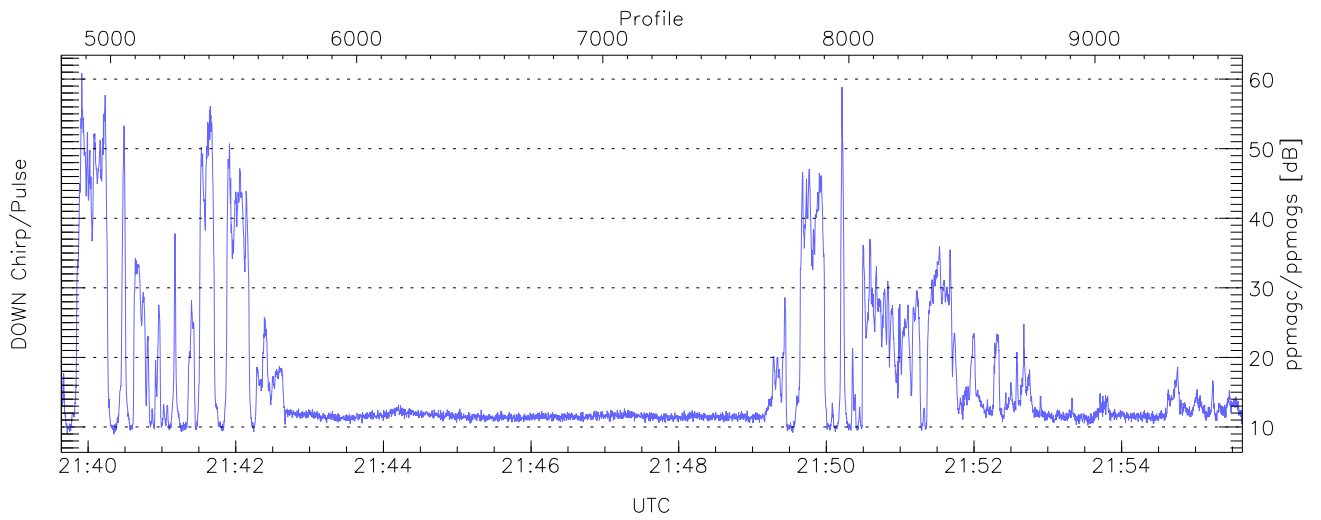
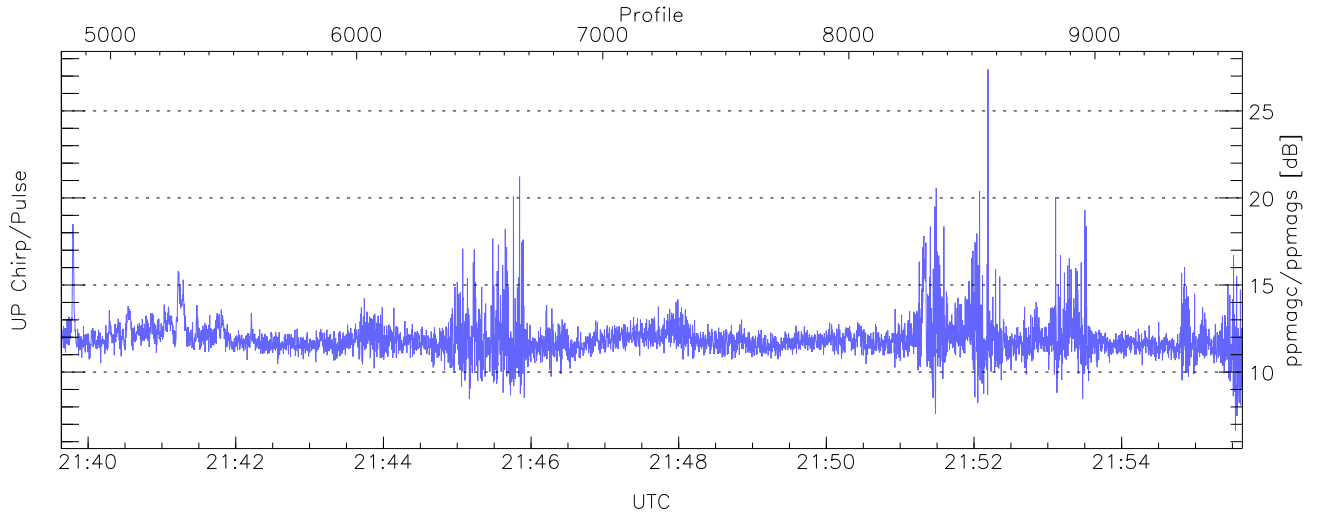
	Min	Max	Mean
UP Chirp(dBm)	-90.47	-51.48	-61.91
UP Pulse(dBm)	-73.25	-51.60	-59.97
DOWN Chirp(dBm)	-60.41	-12.93	-30.87
DOWN Pulse(dBm)	-68.95	-45.29	-52.04



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)	-16.70	24.41	3.42
UP Pulse(m/s)	0.91	7.04	4.31
DOWN Chirp(m/s)	-38.92	38.79	-6.02
DOWN Pulse(m/s)	-6.76	-1.66	-4.62



KPR SPP PPMAG Chirp/Pulse; Range gate: 1247.9m /1283.3m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	6.64	27.38	12.10
DOWN Chirp/Pulse(dBm)	8.95	60.84	37.06
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-10.42	4.26	-2.72