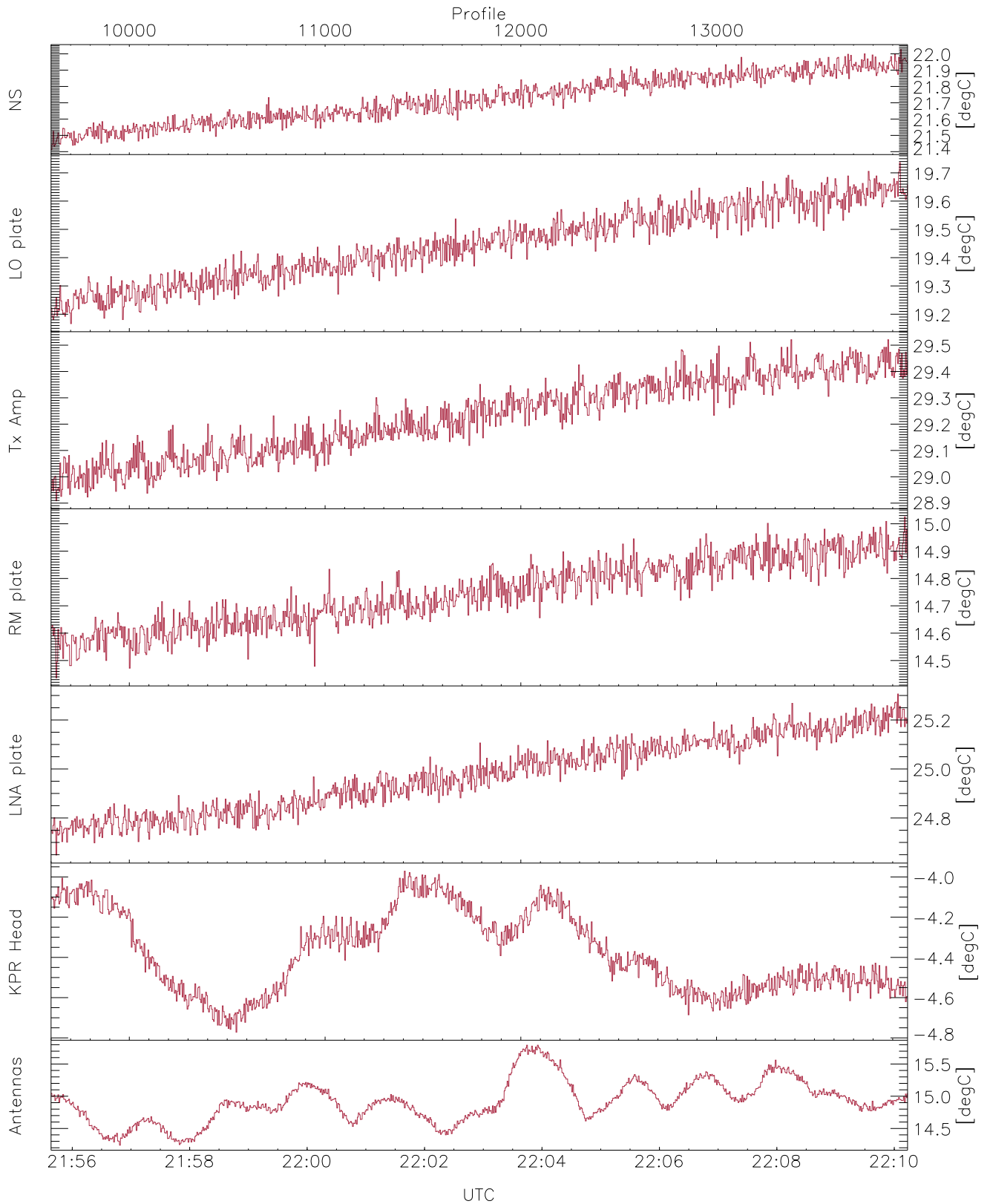


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 21:23:38-22:10:14, TimeCor: 0.00s, Dur: 875.27s
 TimeInt(min,max,mn,std): 199.7,200.3,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 4377/13977, 9600-13976/21:55:38-22:10:14
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.8 KB/s
 Pulse: 618 ns, Chirp: 6.18 us, 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

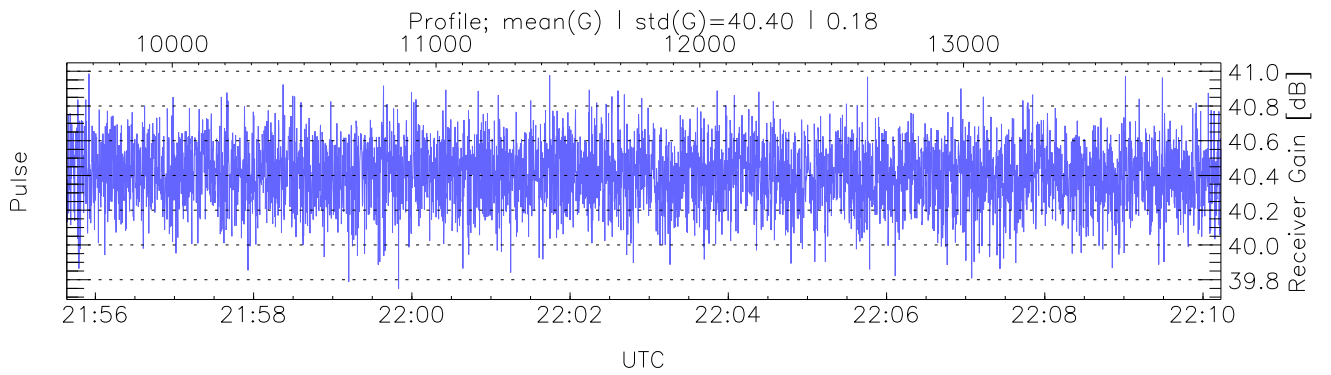
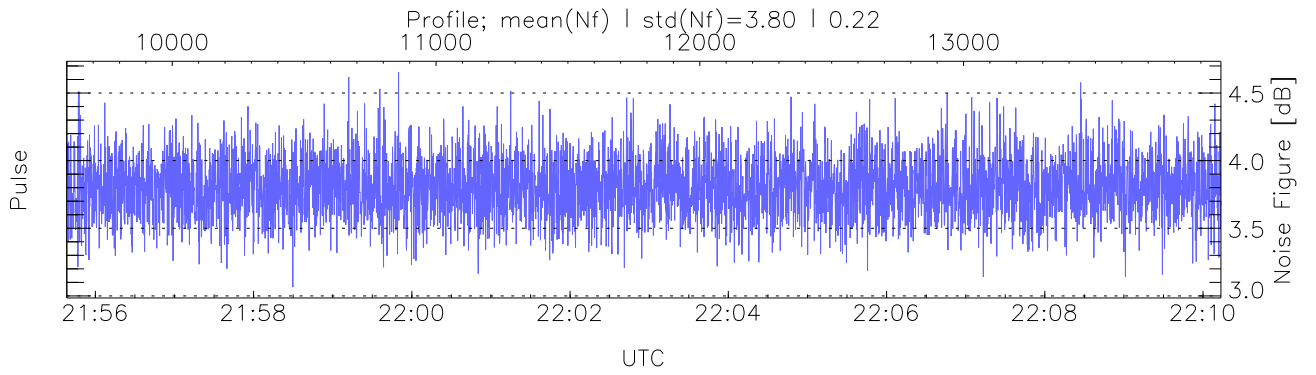
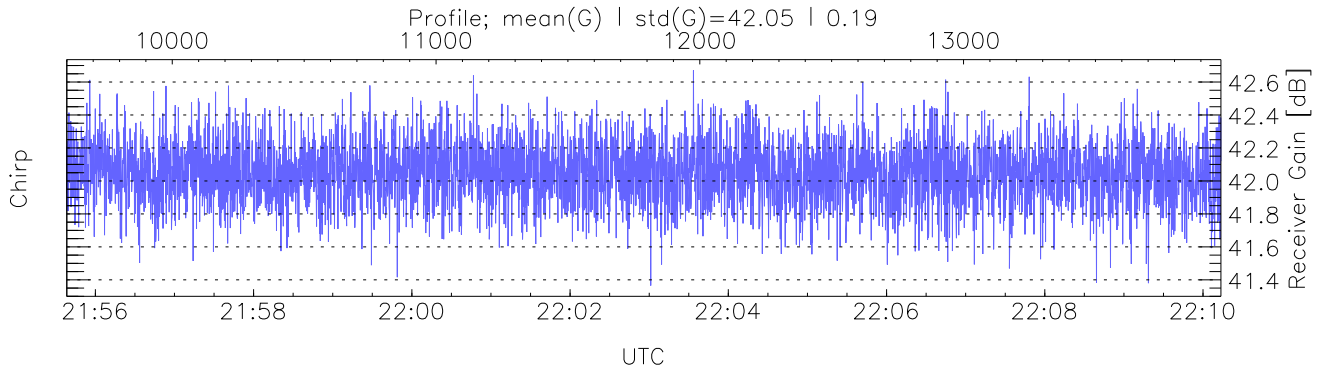
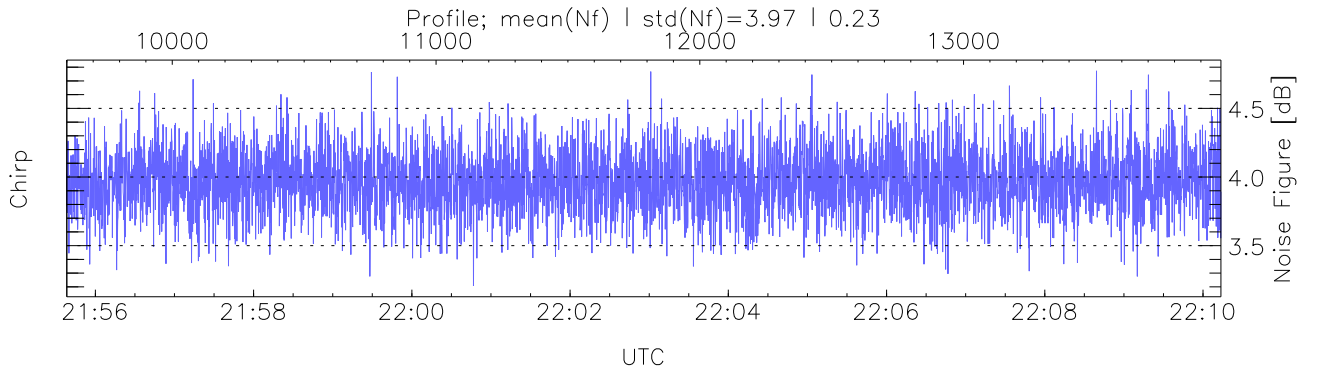


KPR SPP Temperatures, Power Supplies, PLO lock:

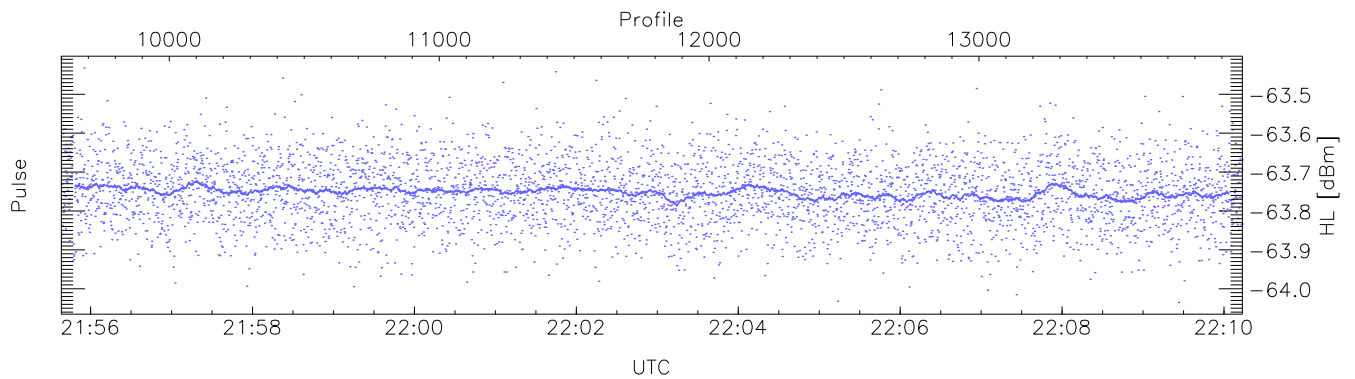
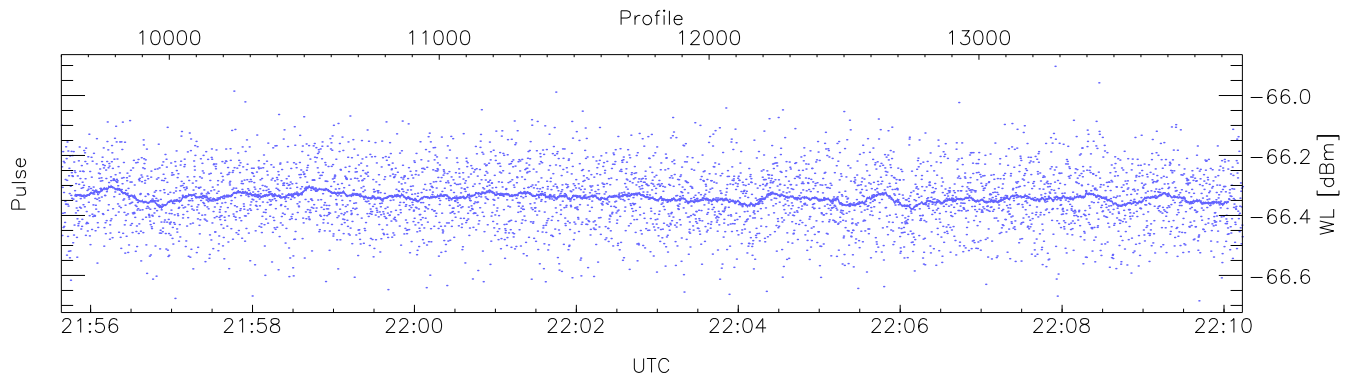
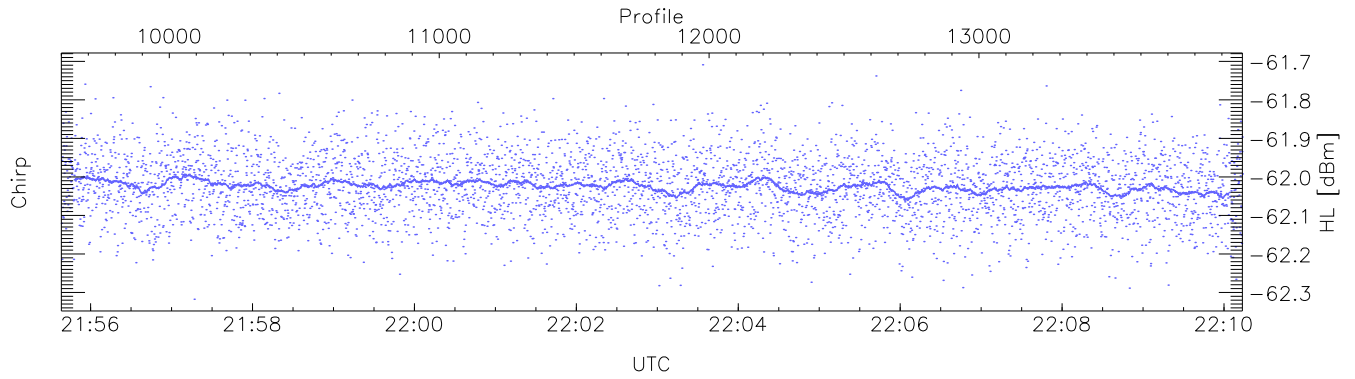
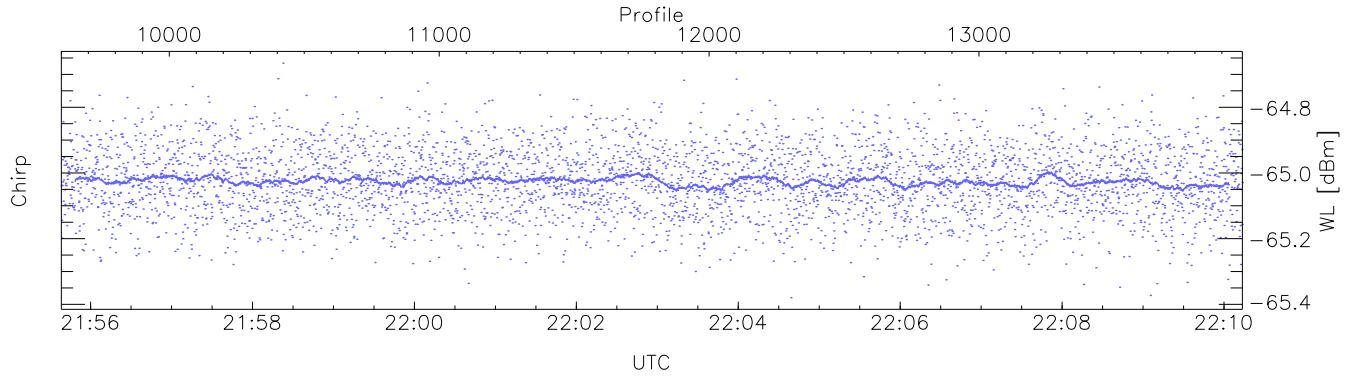
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	21.4,	19.2,	28.9,	14.4,	24.6,	-4.8,	14.2
maxtempC:	22.0,	19.7,	29.5,	15.0,	25.3,	-4.0,	15.8
meantempC:	21.7,	19.4,	29.2,	14.7,	25.0,	-4.4,	14.9

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.72,	11.65,	7.87,	5.21
maxVDC:	27.70,	11.72,	7.89,	5.23
meanVDC:	26.84,	11.68,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

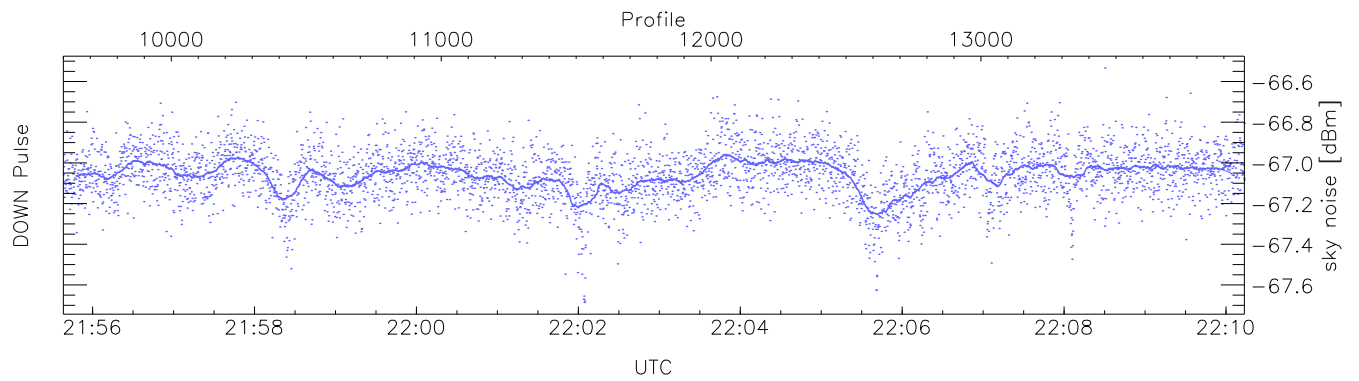
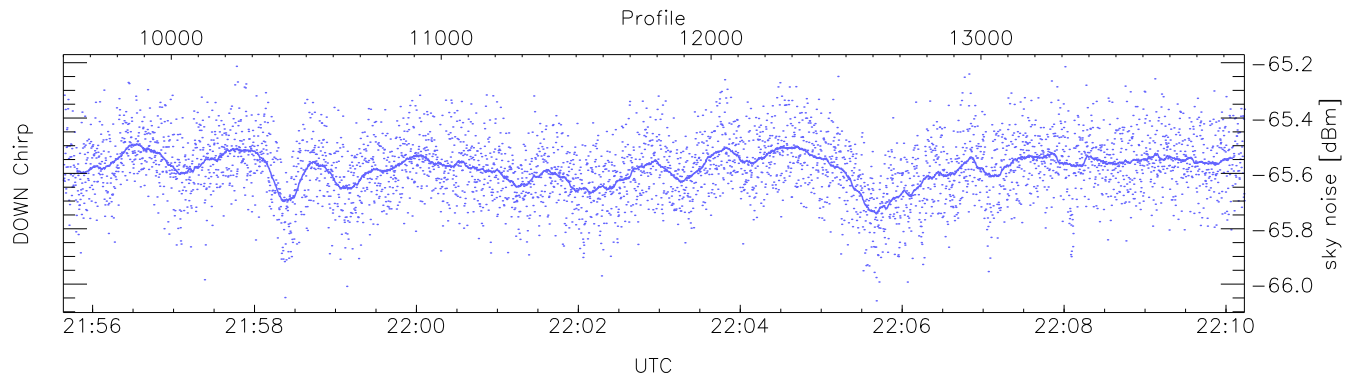
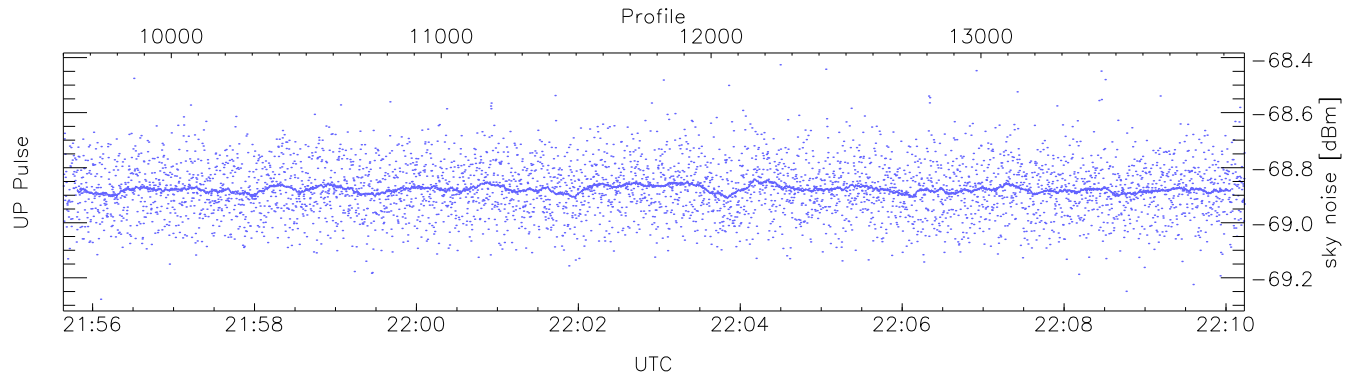
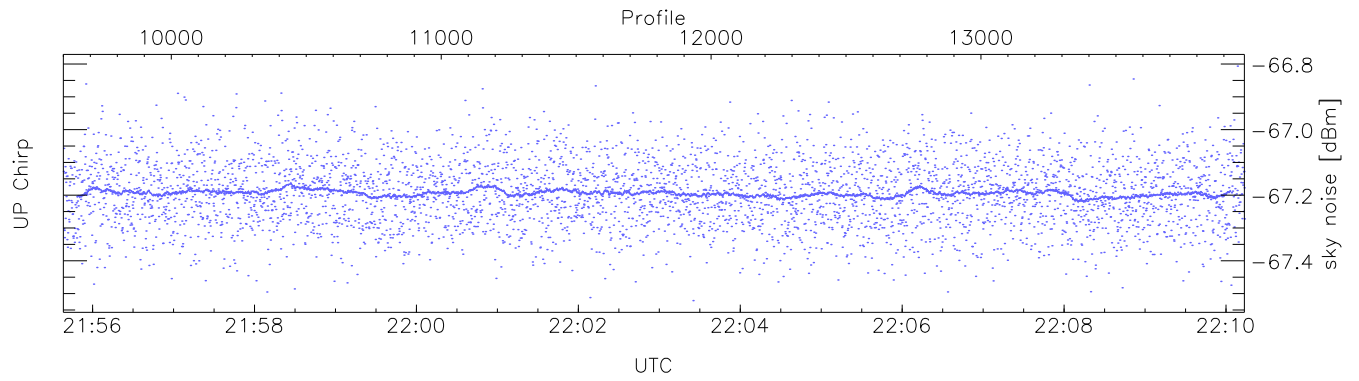


KPR SPP Receiver Gain and Noise Figure



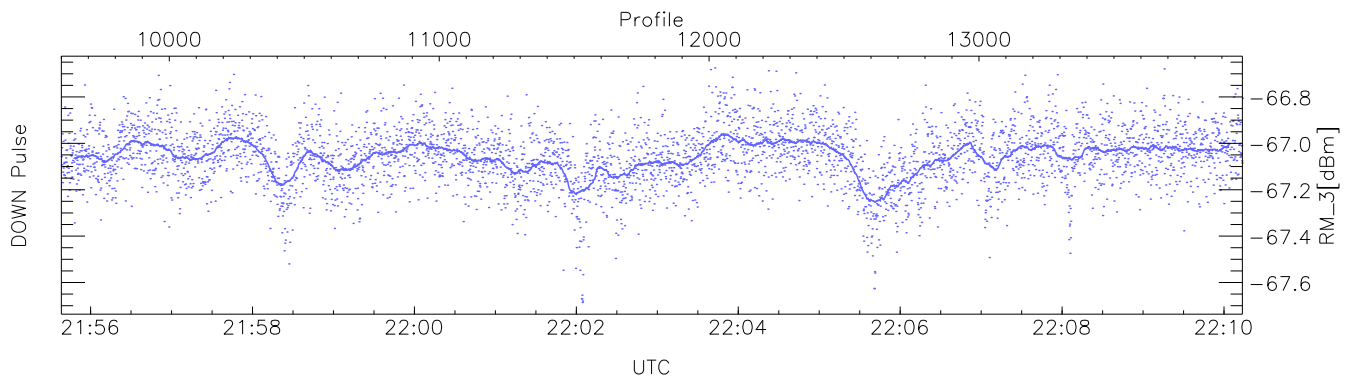
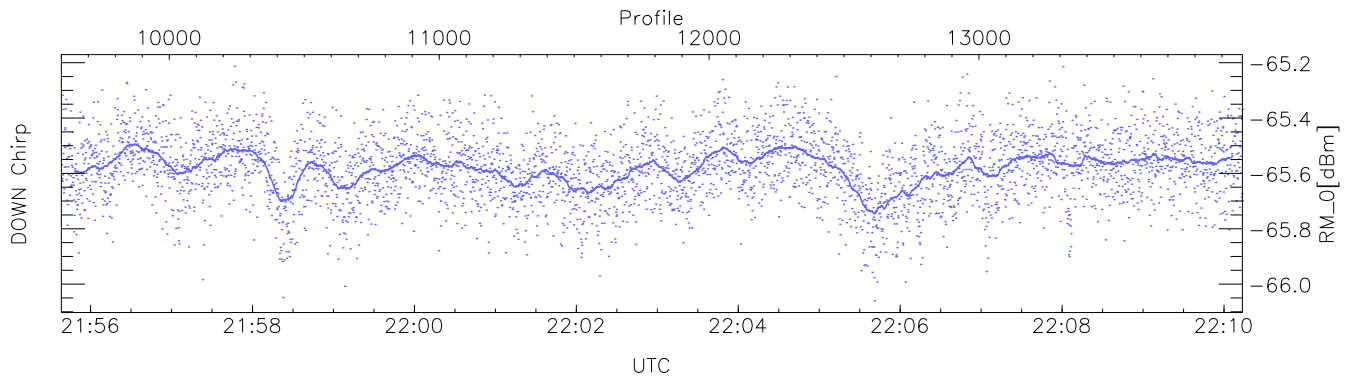
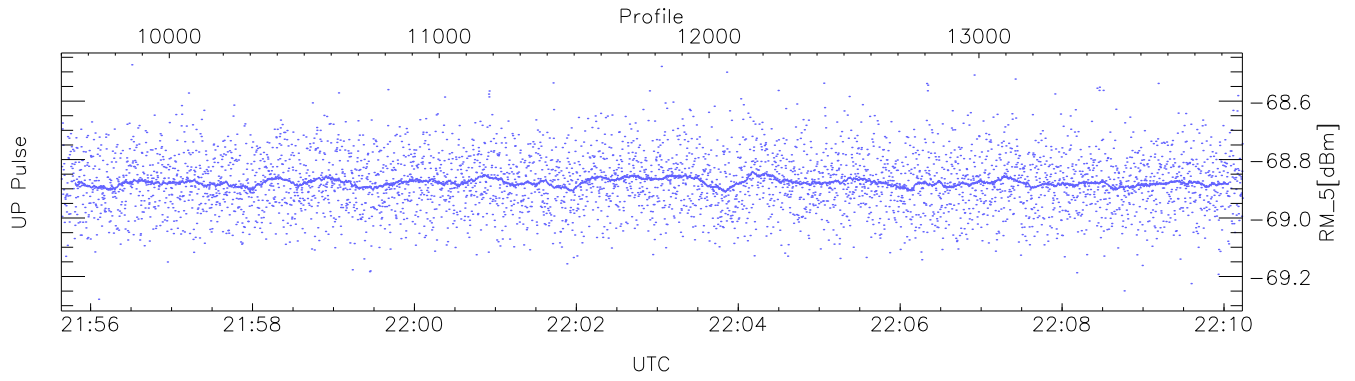
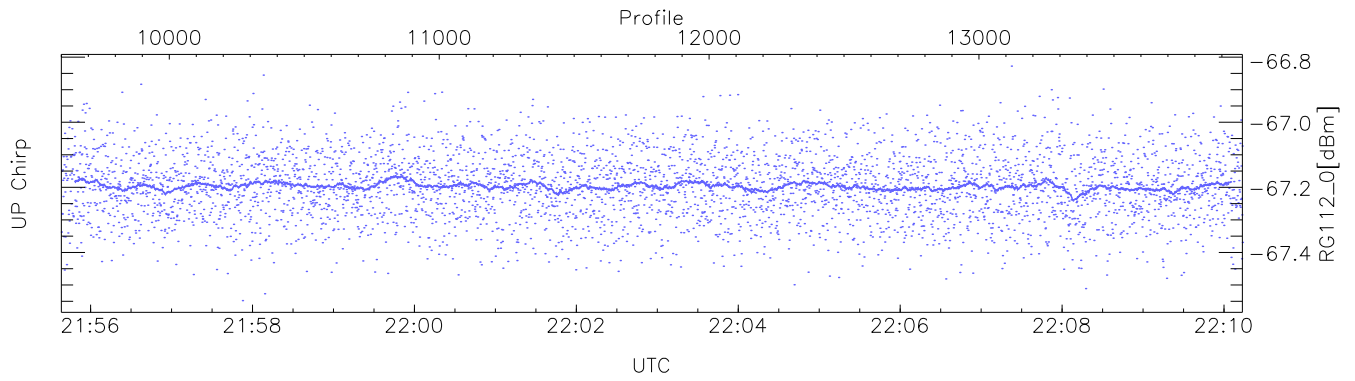
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.38	-64.67	-65.03	-65.03	-81.39
Chirp(HL [dBm])	-62.32	-61.71	-62.02	-62.02	-79.23
Pulse(WL [dBm])	-66.68	-65.90	-66.34	-66.34	-82.59
Pulse(HL [dBm])	-64.04	-63.43	-63.75	-63.75	-80.95



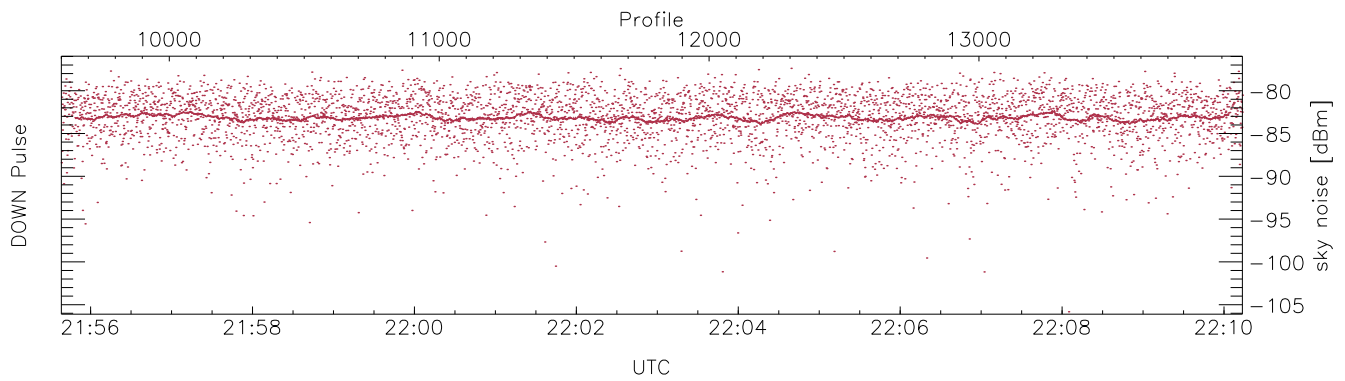
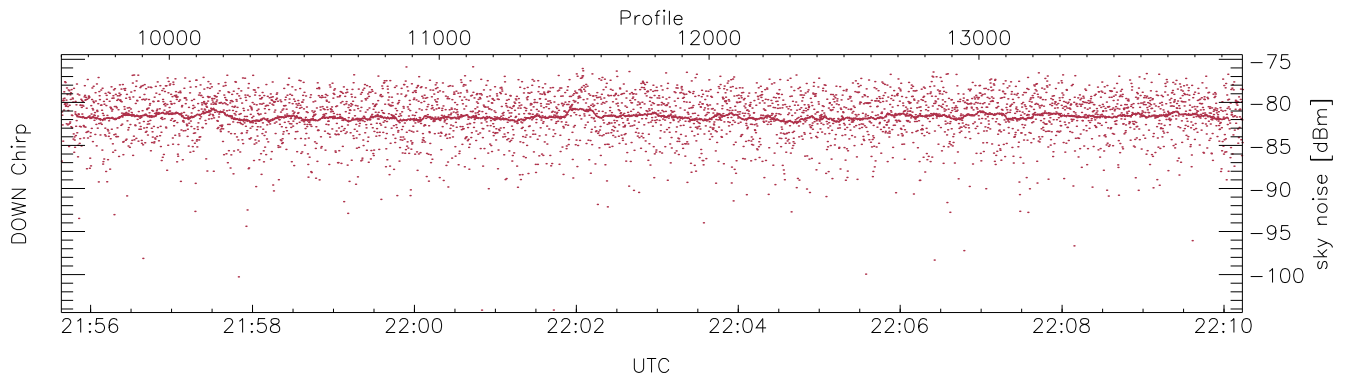
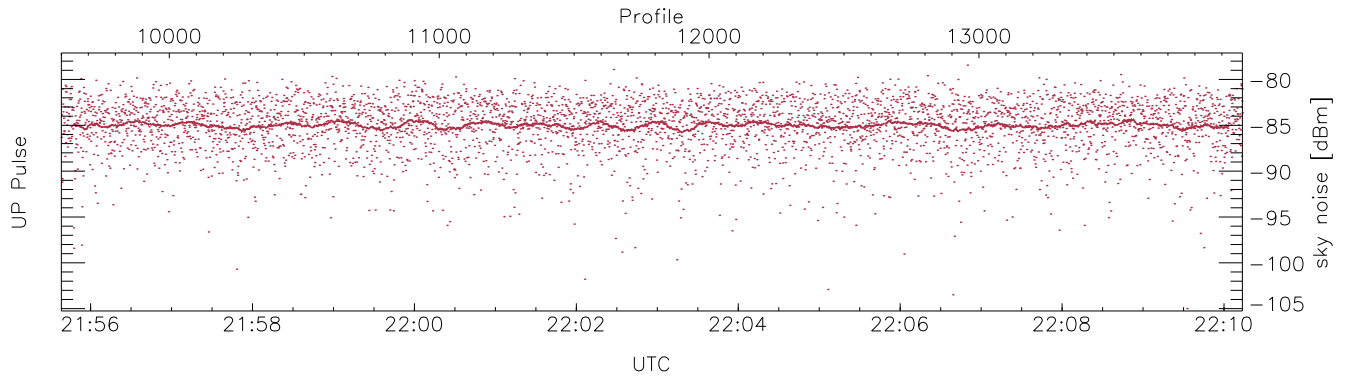
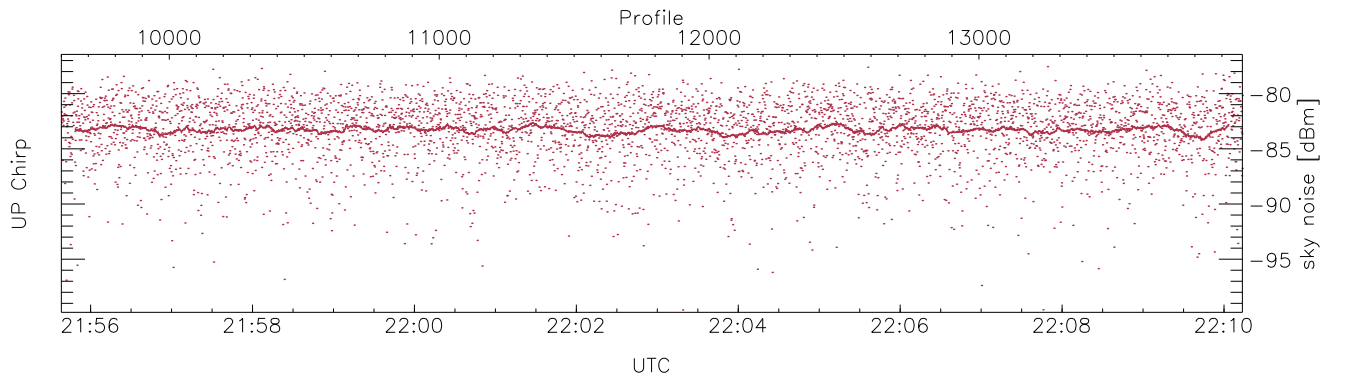
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.52	-66.81	-67.19	-67.19	-83.54
UP Pulse(dBm)	-69.28	-68.43	-68.88	-68.88	-85.08
DOWN Chirp(dBm)	-66.06	-65.21	-65.58	-65.58	-81.20
DOWN Pulse(dBm)	-67.69	-66.53	-67.06	-67.06	-82.44



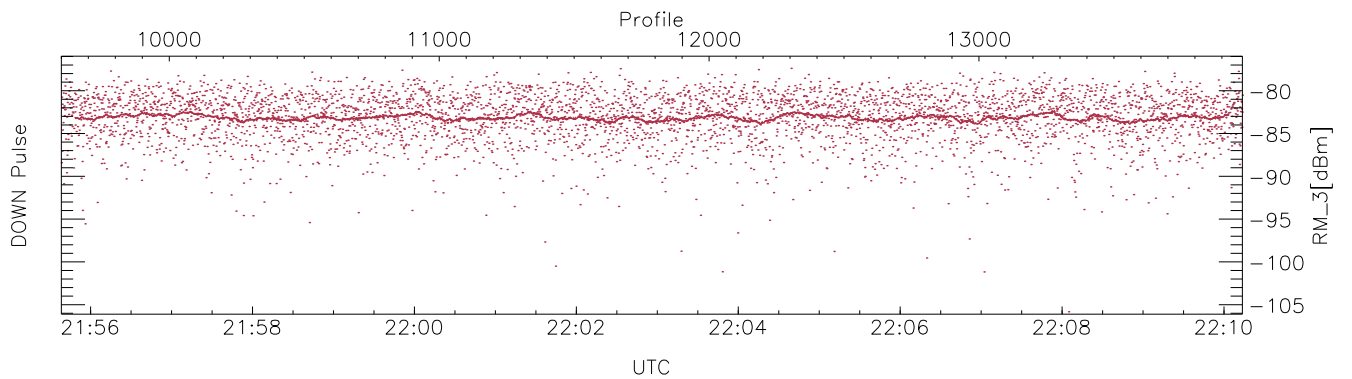
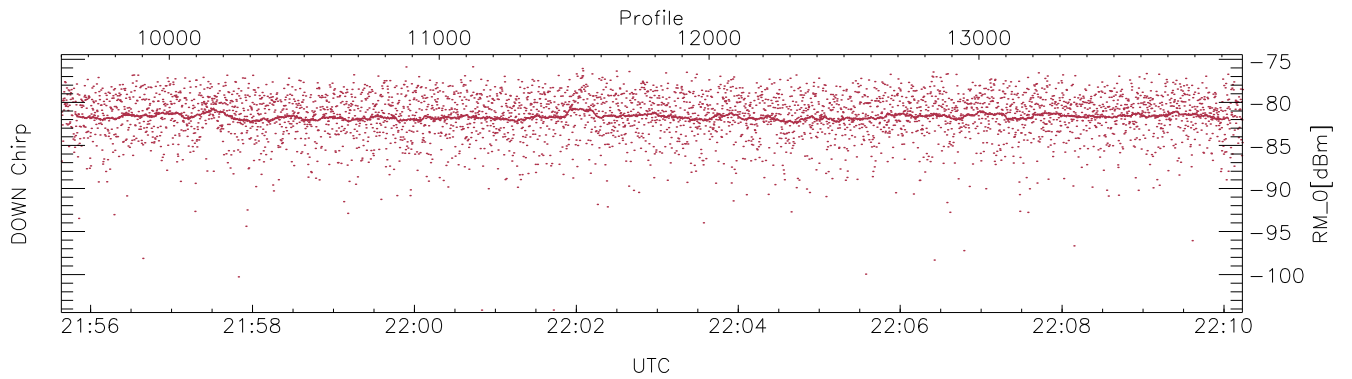
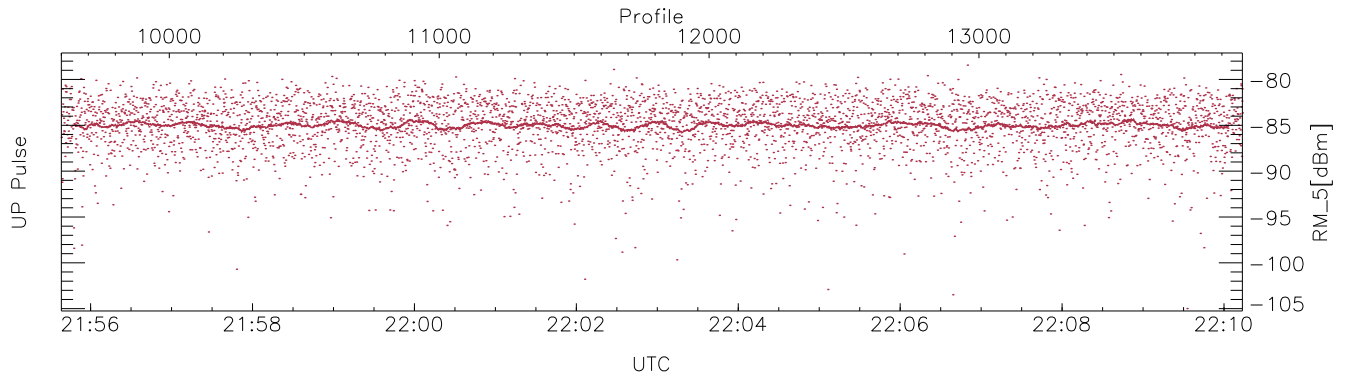
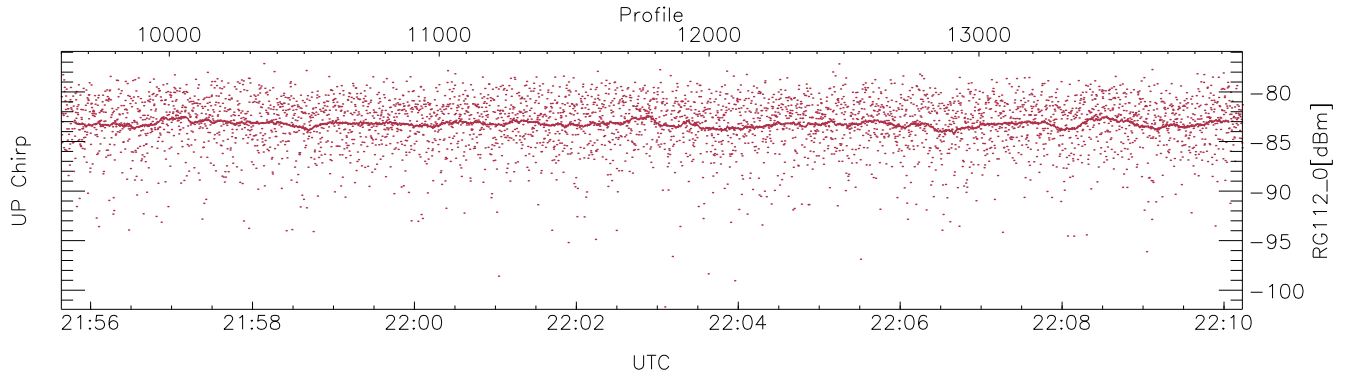
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG112_0	-67.55	-66.83	-67.20	-67.20	-83.54
UP_P_RM_5	-69.28	-68.48	-68.88	-68.88	-85.10
DOWN_C_RM_0	-66.06	-65.21	-65.58	-65.58	-81.20
DOWN_P_RM_3	-67.69	-66.67	-67.06	-67.06	-82.45



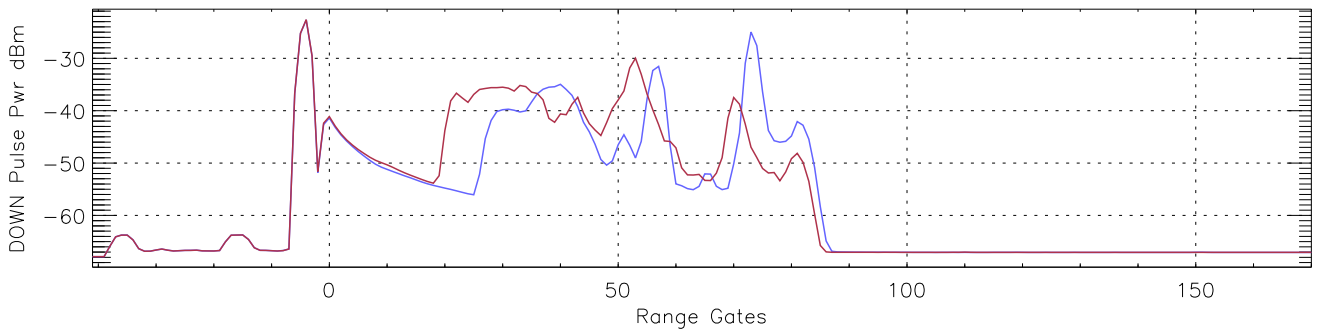
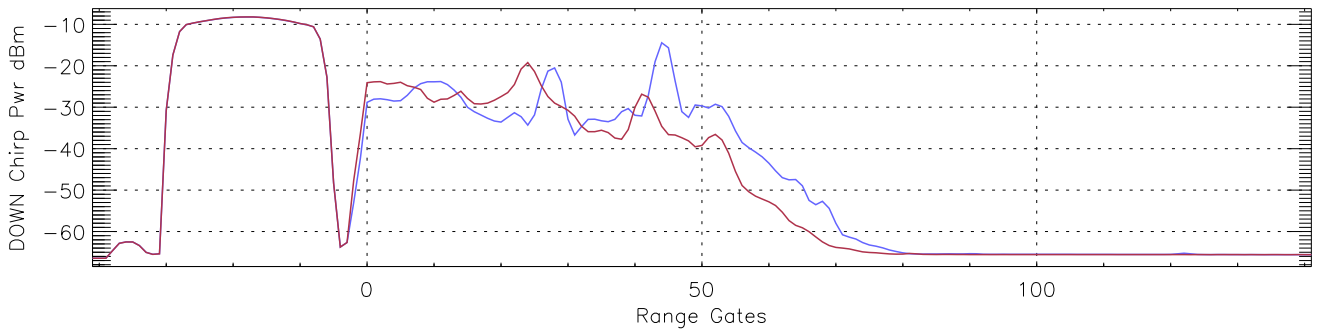
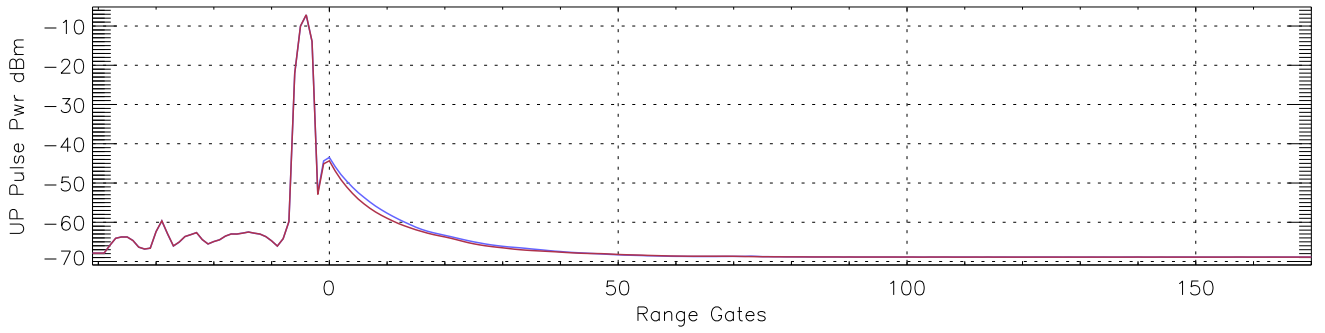
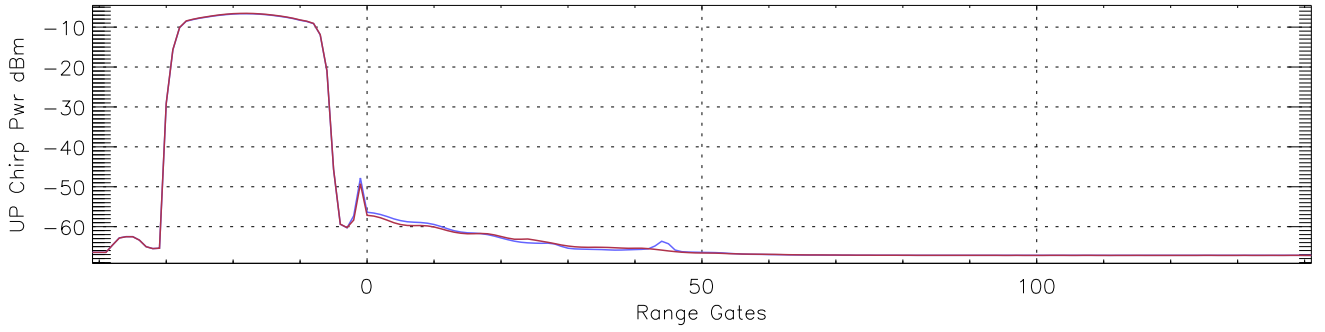
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.60	-77.55	-82.56	-82.82	-85.41
UP Pulse(dBm)	-104.99	-78.44	-84.25	-84.55	-87.02
DOWN Chirp(dBm)	-104.13	-75.87	-80.94	-81.29	-83.74
DOWN Pulse(dBm)	-105.82	-77.39	-82.40	-82.73	-85.15

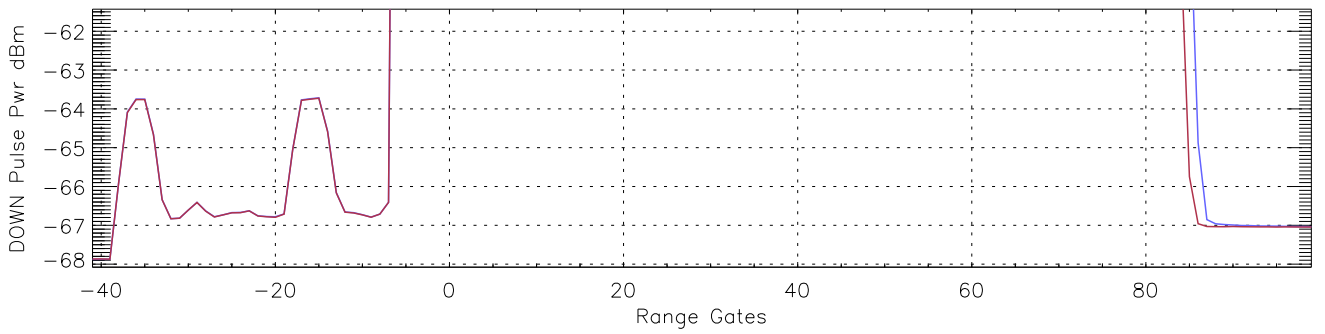
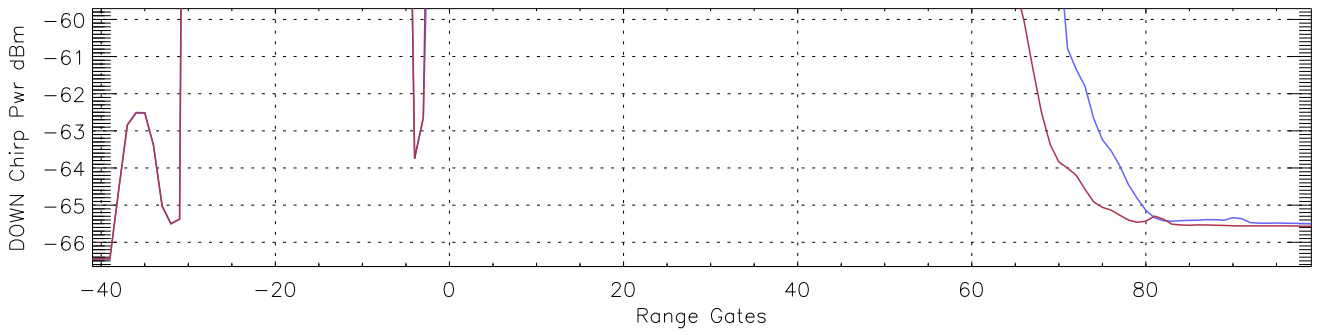
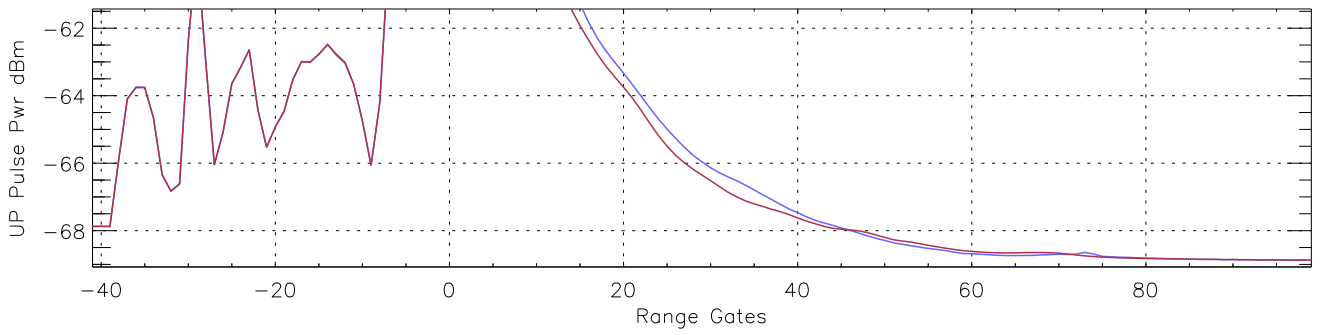
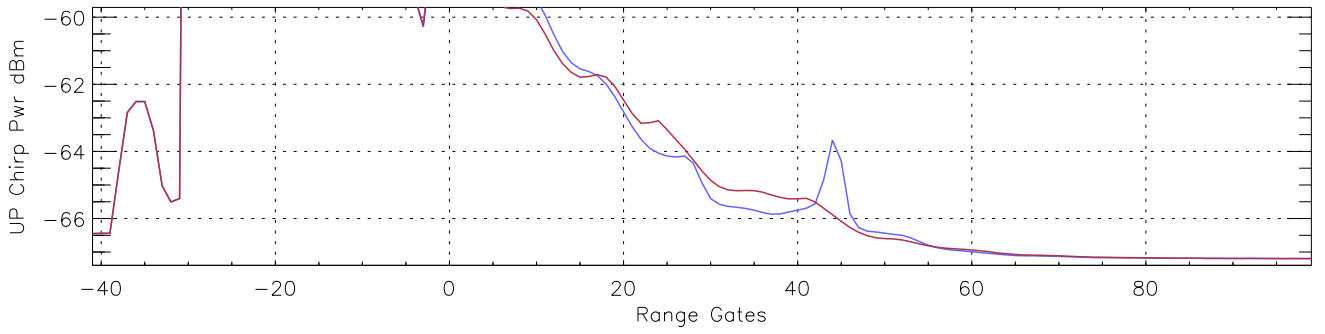


KPR SPP "Best" PPMAG noise (dBm):

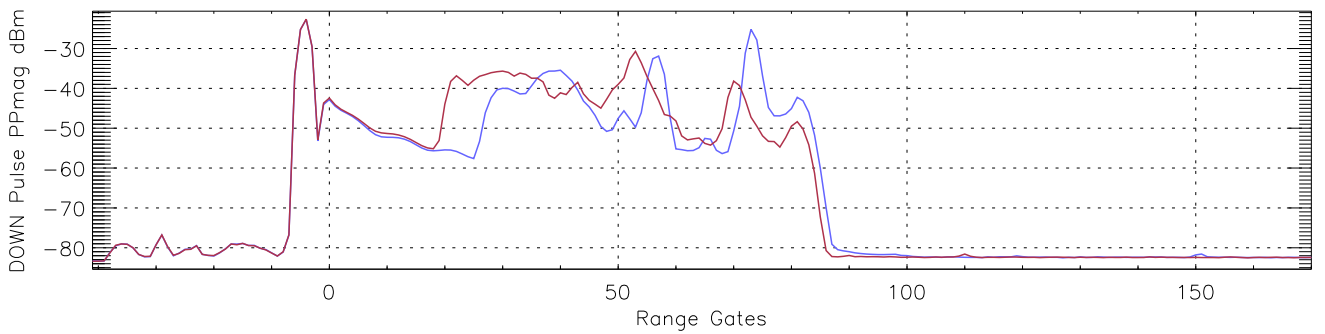
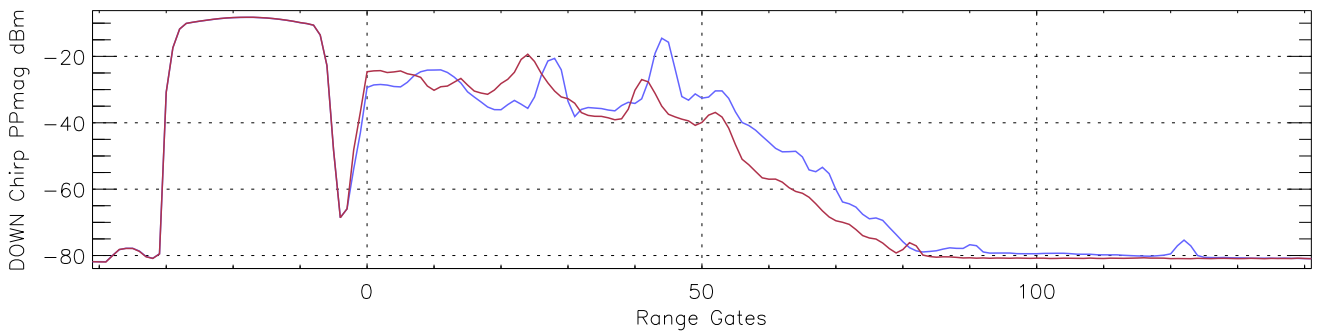
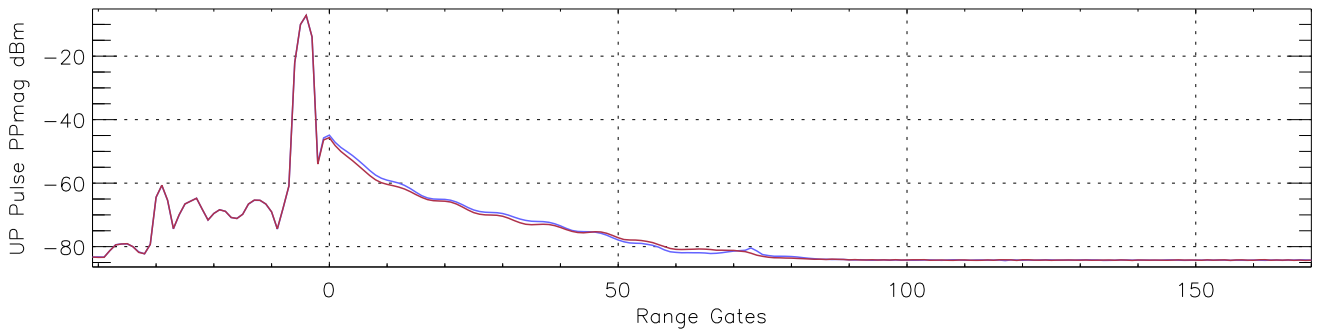
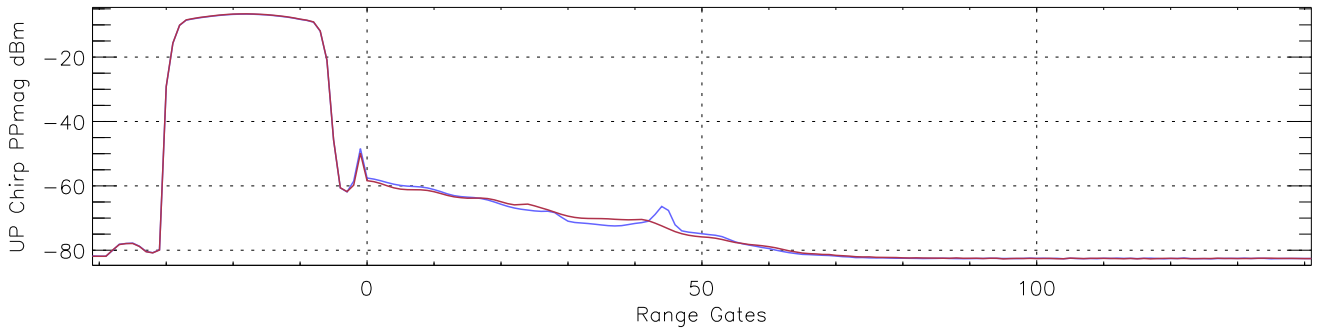
	Min	Max	Mean	Median	StDev
UP_C_RG112_0	-101.68	-77.14	-82.52	-82.76	-85.35
UP_P_RM_5	-104.99	-78.44	-84.25	-84.55	-87.02
DOWN_C_RM_0	-104.13	-75.87	-80.94	-81.29	-83.74
DOWN_P_RM_3	-105.82	-77.39	-82.40	-82.73	-85.15



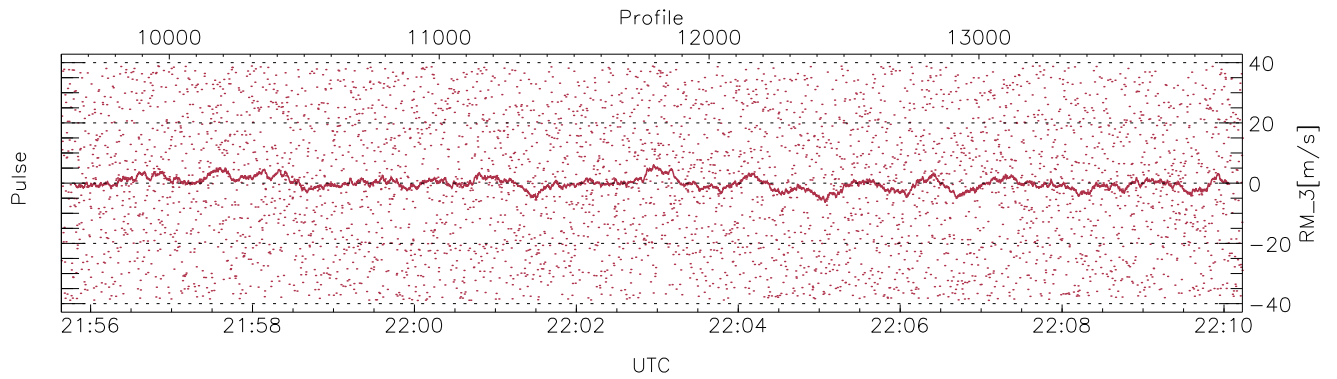
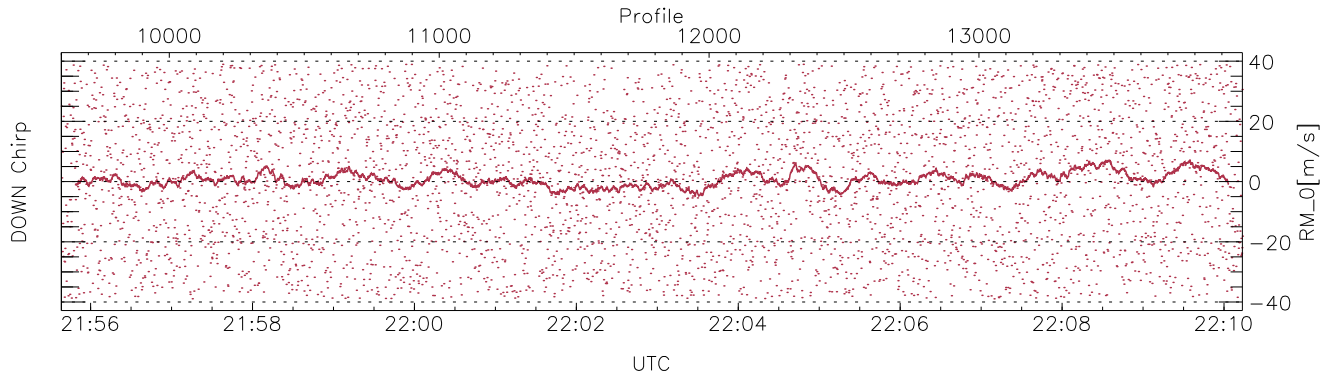
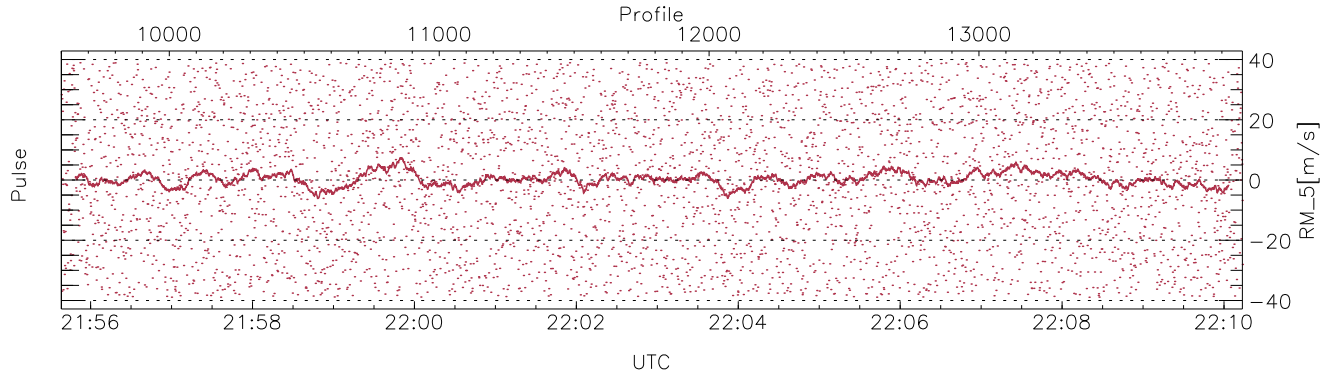
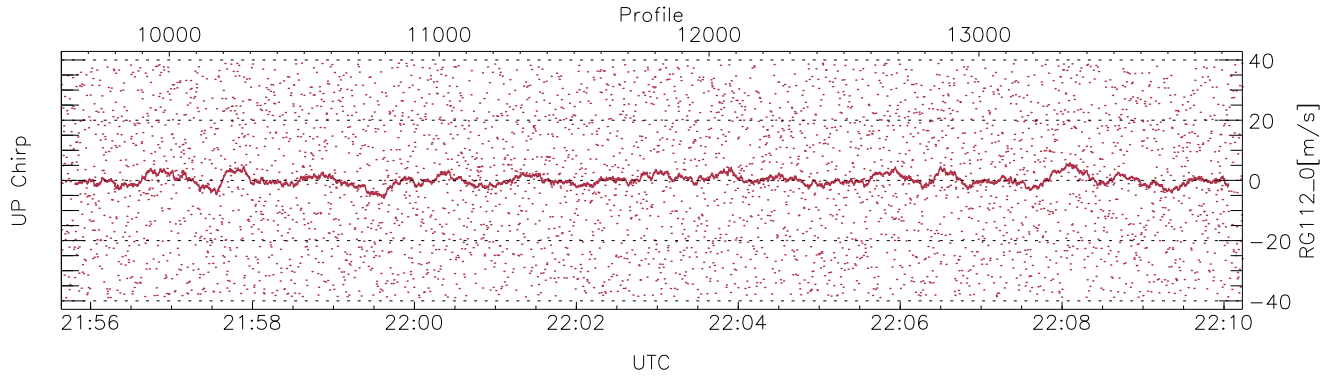
KPR SPP Averaged Received power for all recorded gates
blue: 215538-220255, 2189 profiles averaged
red: 220255-221014, 2189 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 215538-220255, 2189 profiles averaged
red: 220255-221014, 2189 profiles averaged

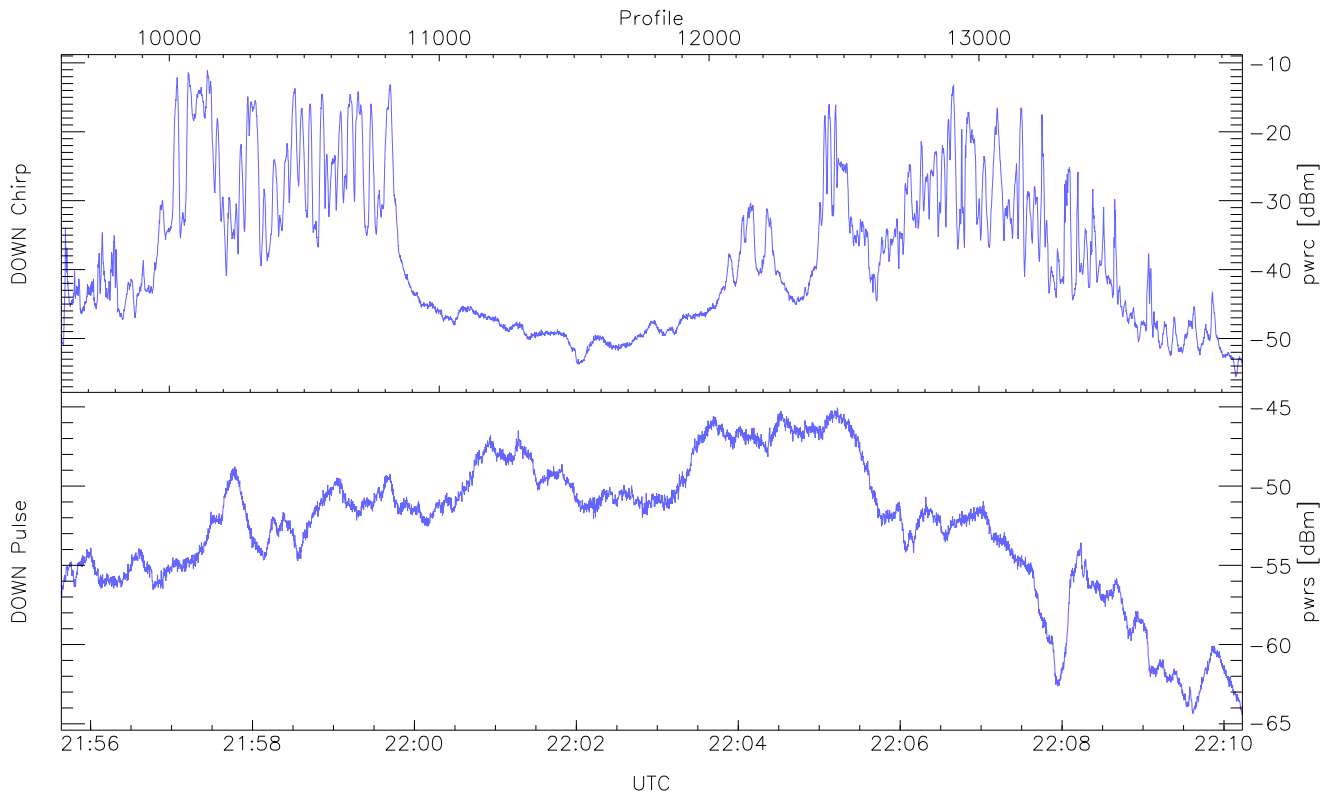
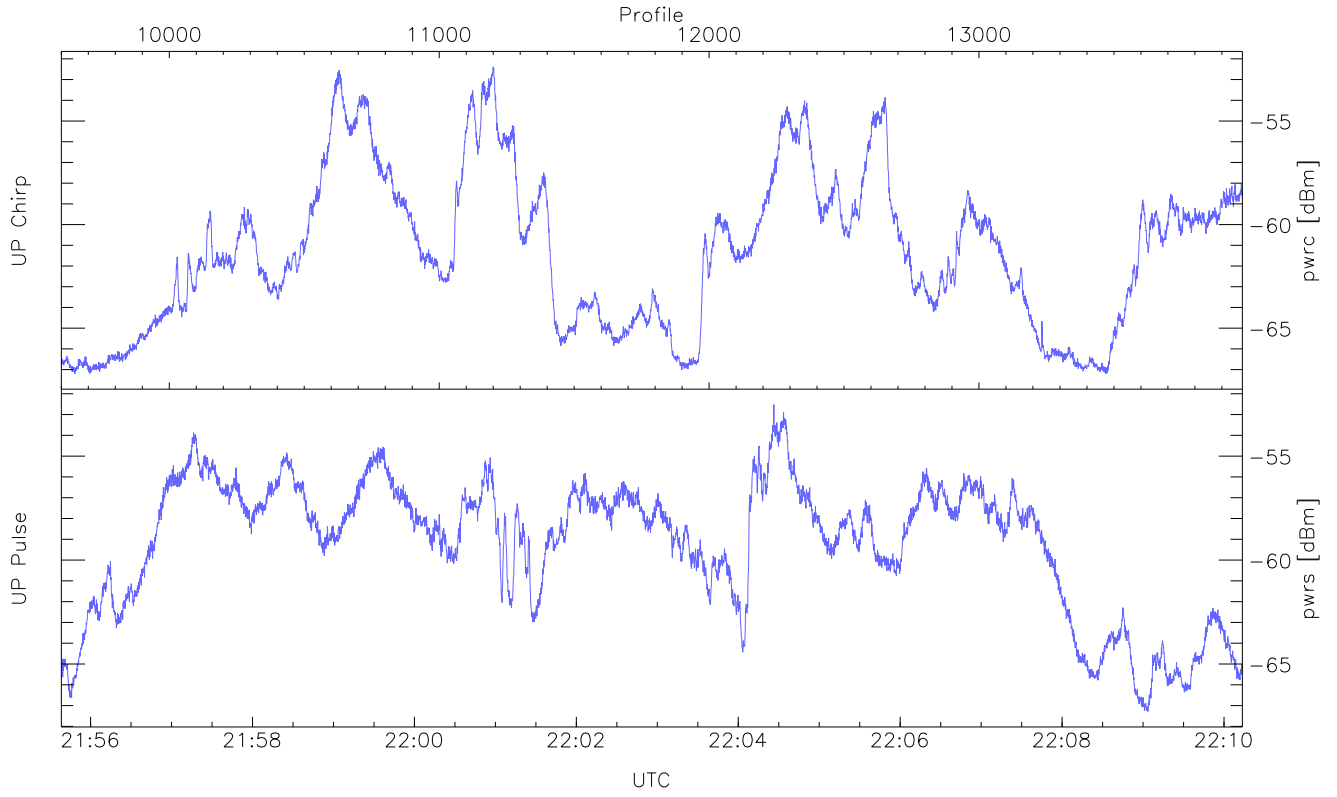


KPR SPP Averaged PP magnitude for all recorded gates
blue: 215538-220255, 2189 profiles averaged
red: 220255-221014, 2189 profiles averaged



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

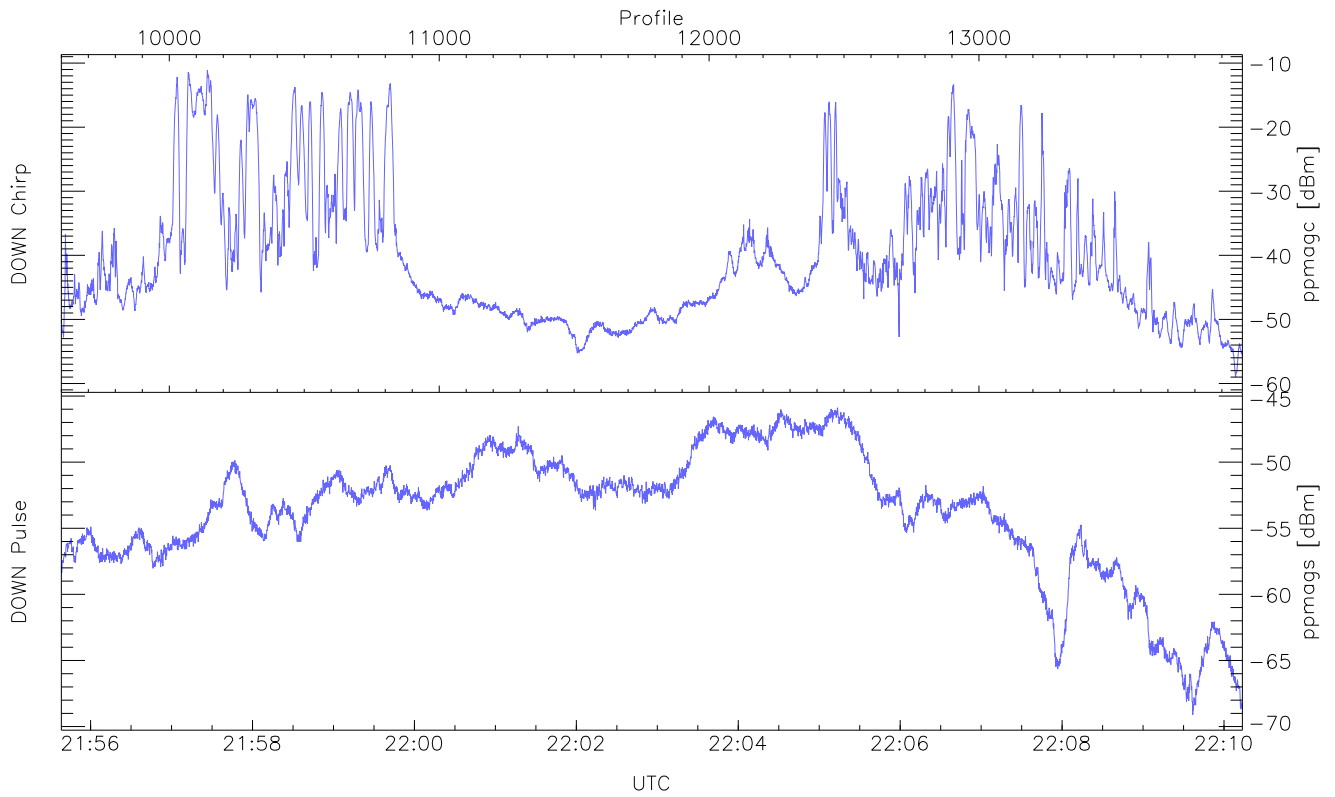
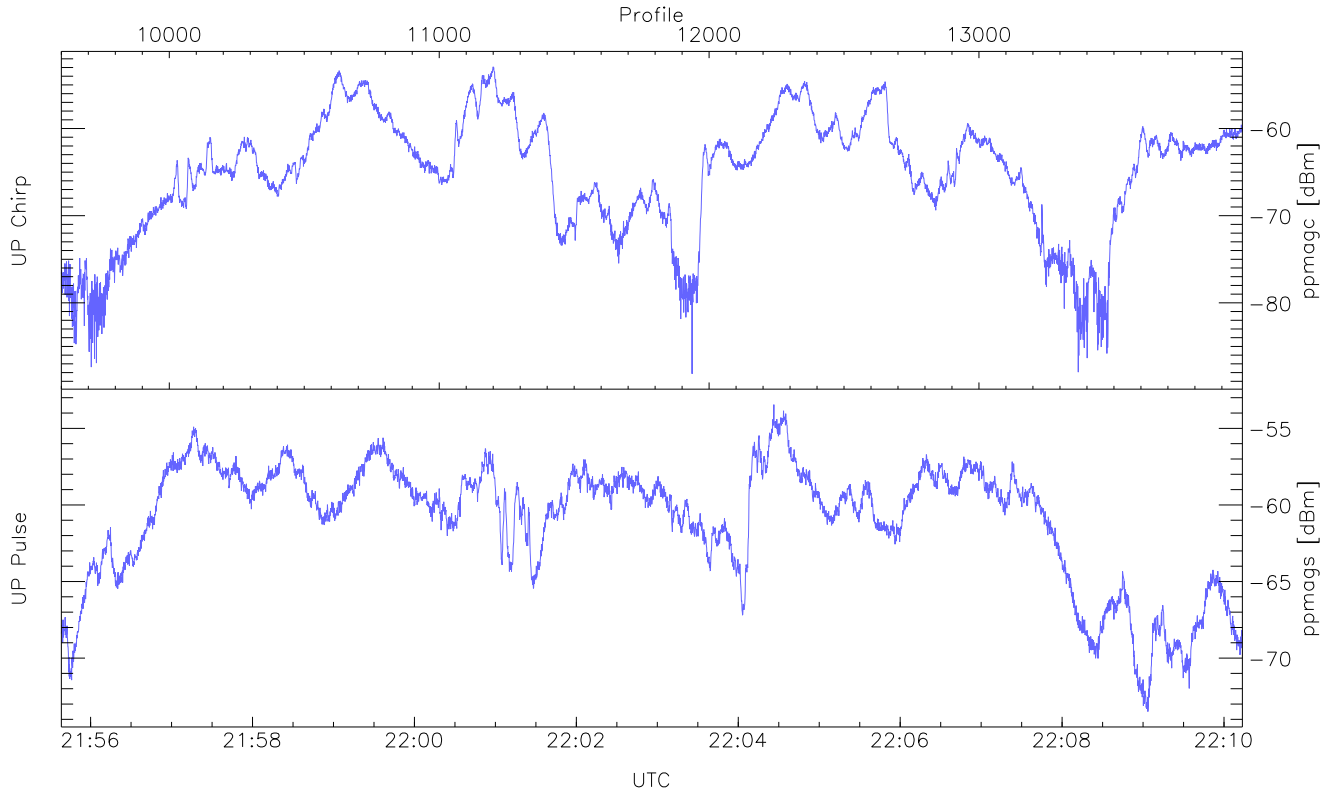
	Min	Max	Mean	Median	StDev
UP_C_RG112_0	-38.93	38.94	0.02	0.11	22.33
UP_P_RM_5	-38.93	38.94	0.27	0.43	22.41
DOWN_C_RM_0	-38.94	38.94	0.57	1.19	22.04
DOWN_P_RM_3	-38.93	38.90	-0.13	0.13	22.31



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

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

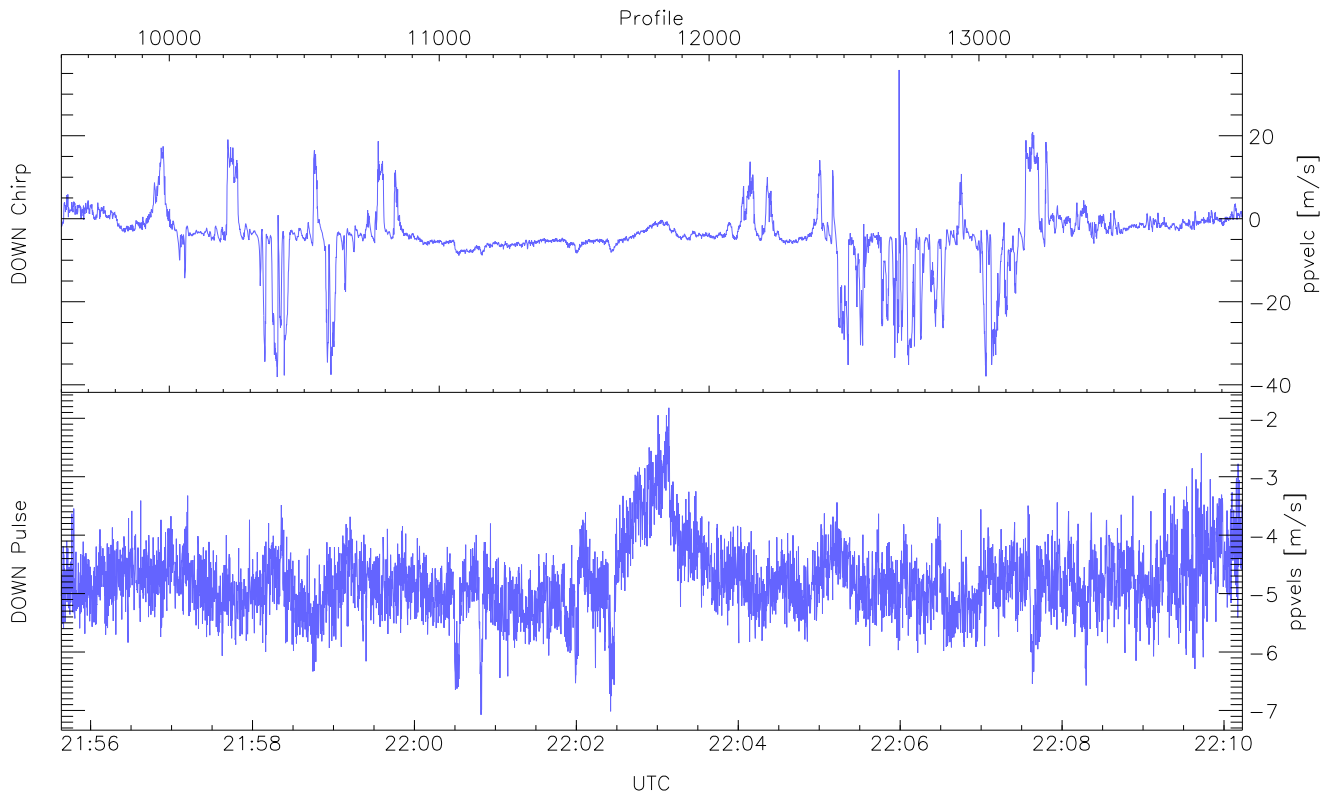
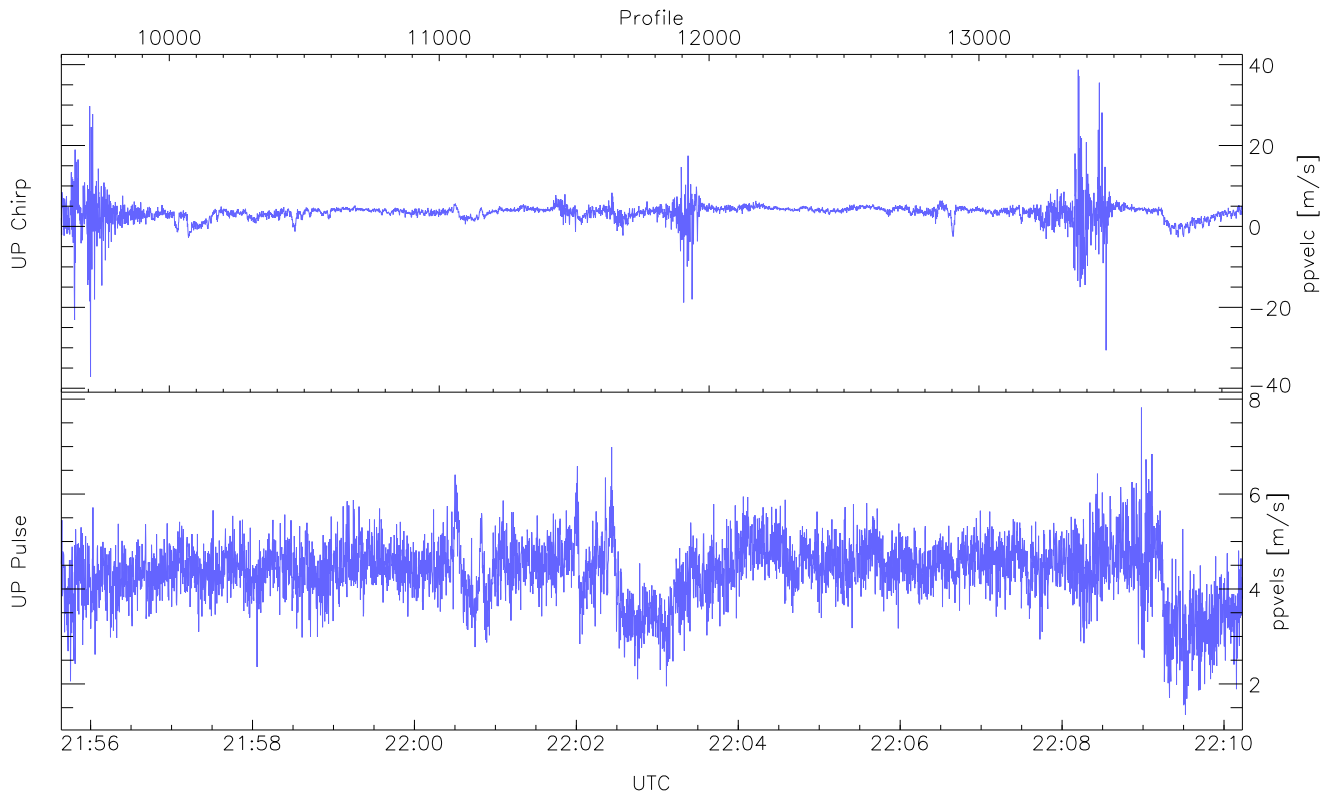
	Min	Max	Mean
UP Chirp(dBm)	-67.20	-52.38	-59.76
UP Pulse(dBm)	-67.29	-52.52	-58.29
DOWN Chirp(dBm)	-55.59	-11.03	-25.66
DOWN Pulse(dBm)	-64.43	-45.06	-50.75



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

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

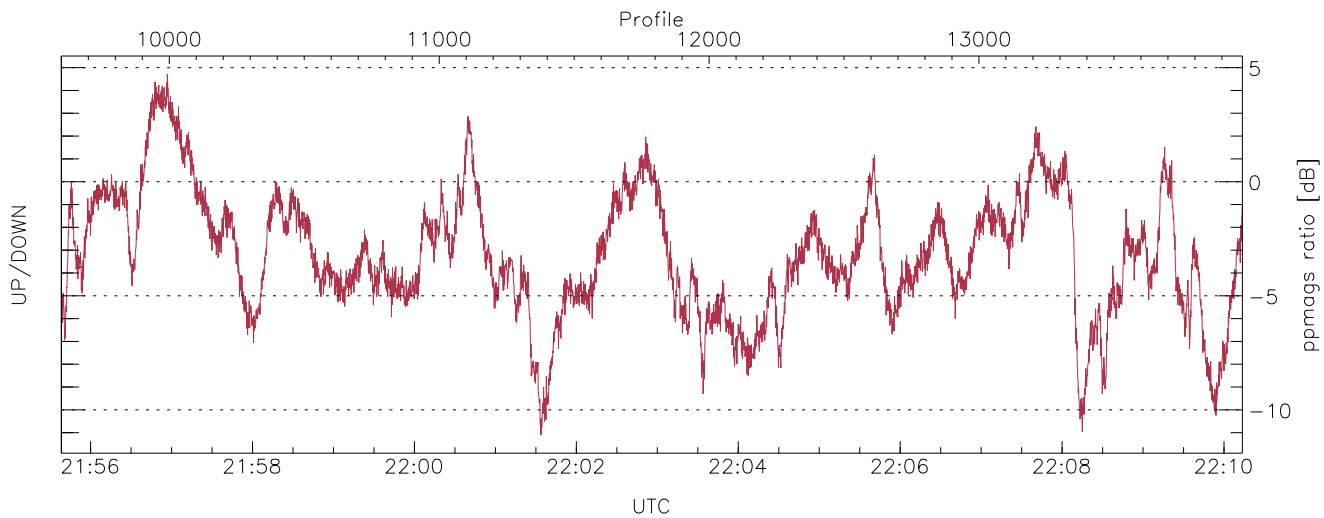
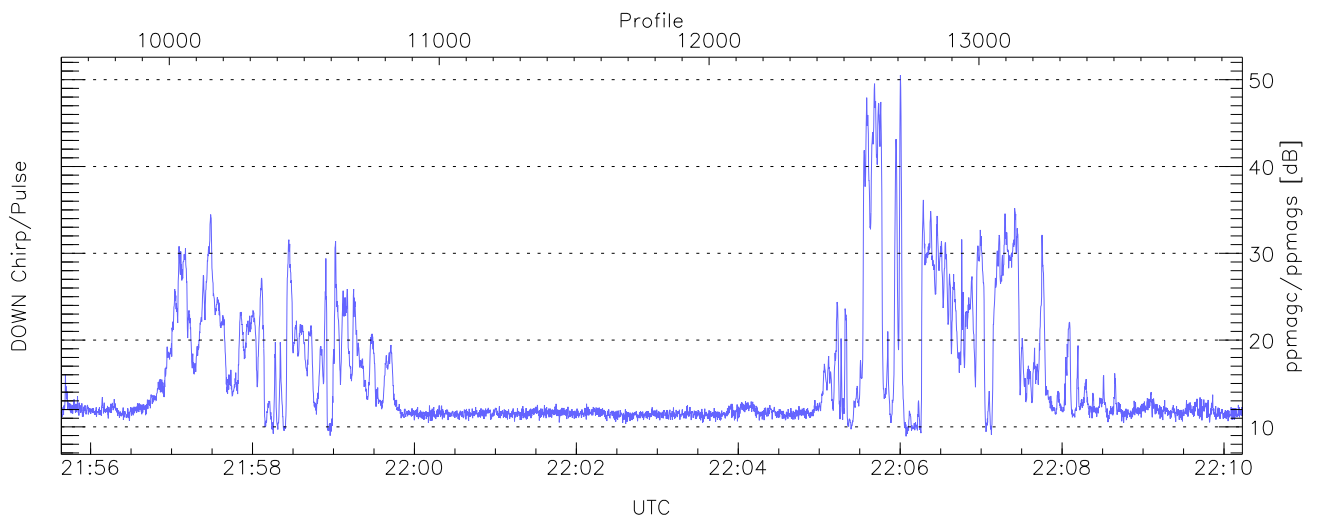
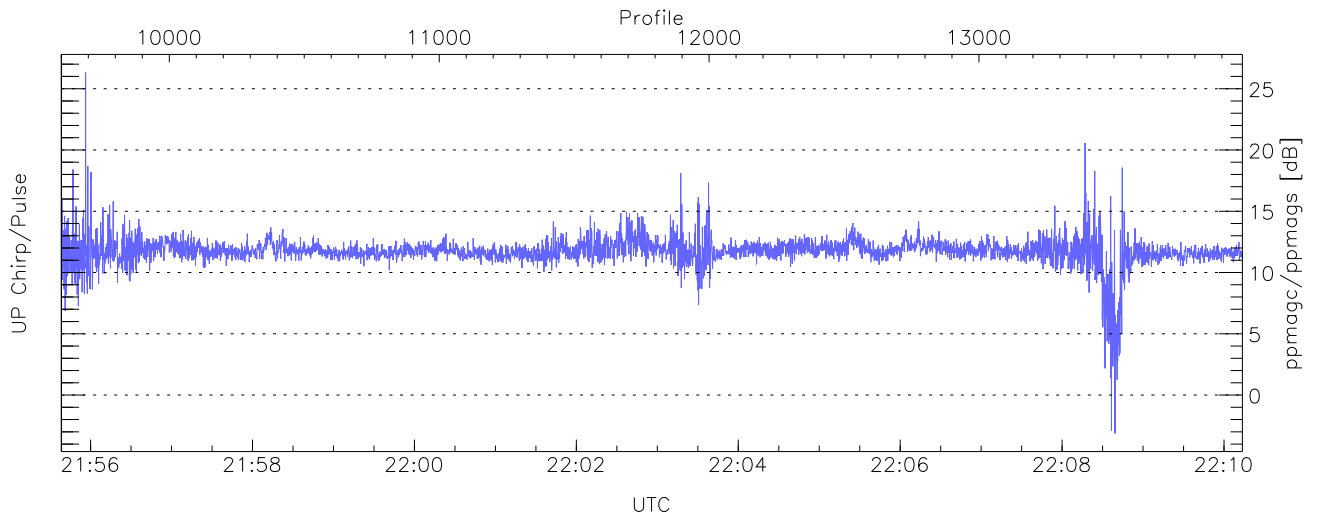
	Min	Max	Mean
UP Chirp(dBm)	-88.14	-52.91	-61.48
UP Pulse(dBm)	-73.49	-53.44	-59.67
DOWN Chirp(dBm)	-58.99	-11.08	-26.17
DOWN Pulse(dBm)	-69.11	-45.89	-51.77



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)	-37.18	38.72	3.41
UP Pulse(m/s)	1.35	7.82	4.35
DOWN Chirp(m/s)	-38.14	35.83	-4.16
DOWN Pulse(m/s)	-7.07	-1.82	-4.78



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-3.14	26.33	11.89
DOWN Chirp/Pulse(dBm)	8.91	50.51	27.84
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-11.11	4.72	-2.36