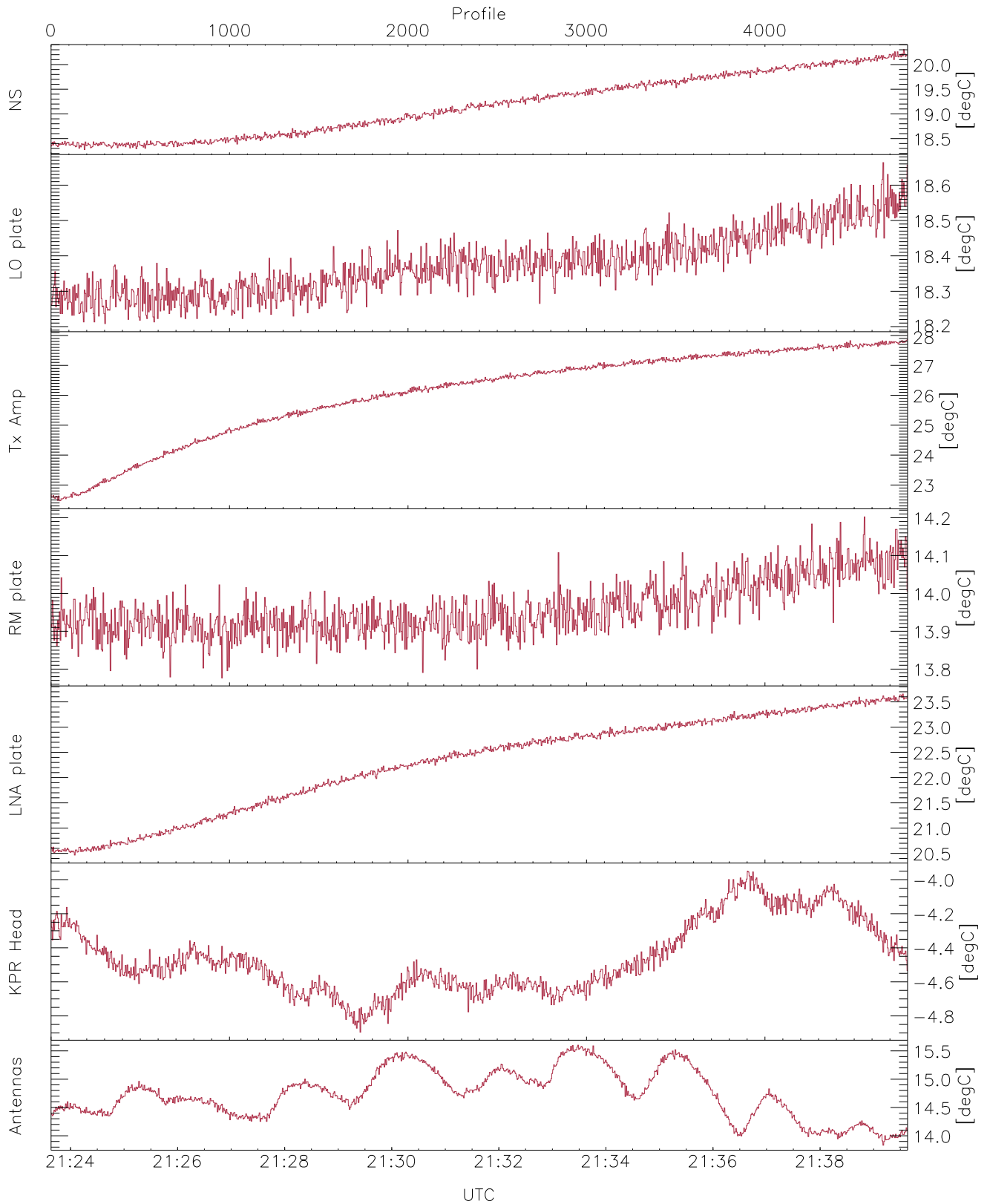


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 21:23:38-22:10:14, TimeCor: 0.00s, Dur: 959.88s
 TimeInt(min,max,mn,std): 199.5,200.5,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 4800/13977, 0-4799/21:23:38-21:39:38
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.8 KB/s
 Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 2.0 MHz
 PRF: 18.5 KHz, avgPulses: 1852, avgPP: 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

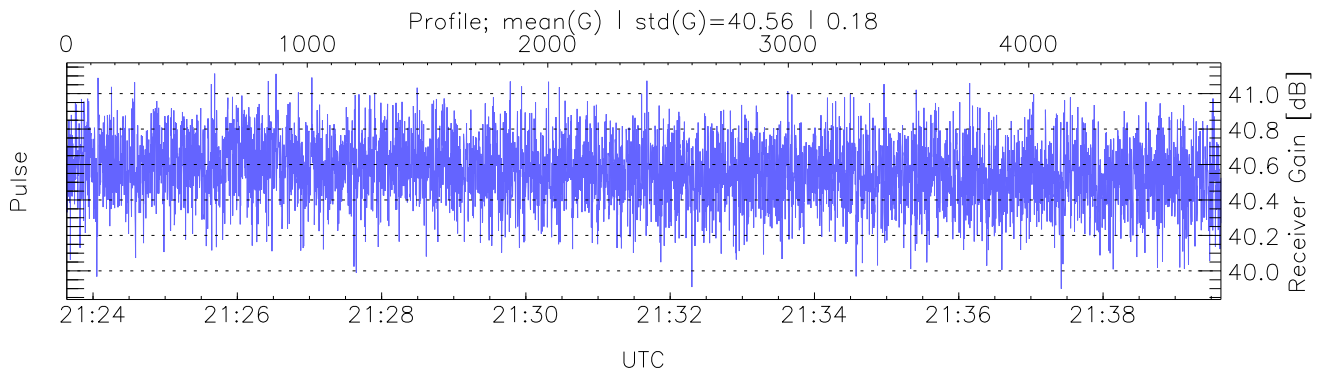
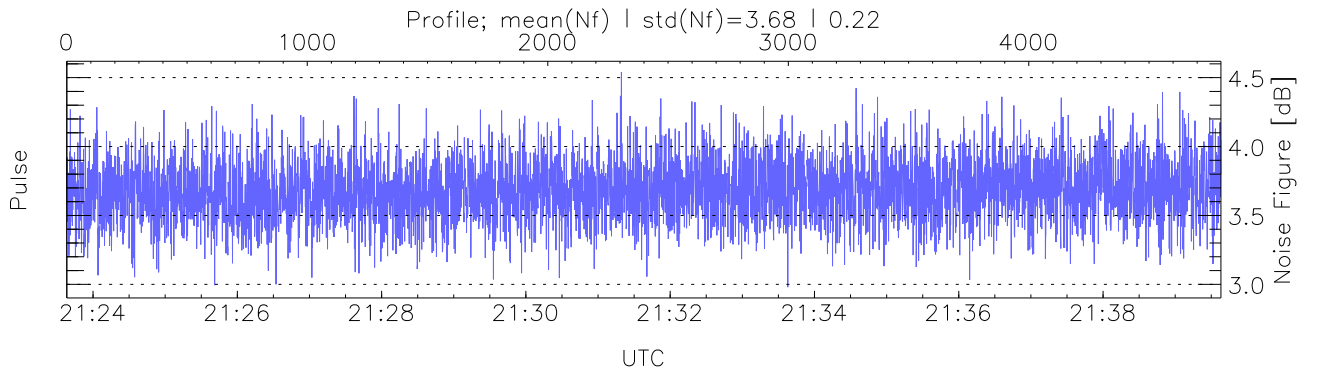
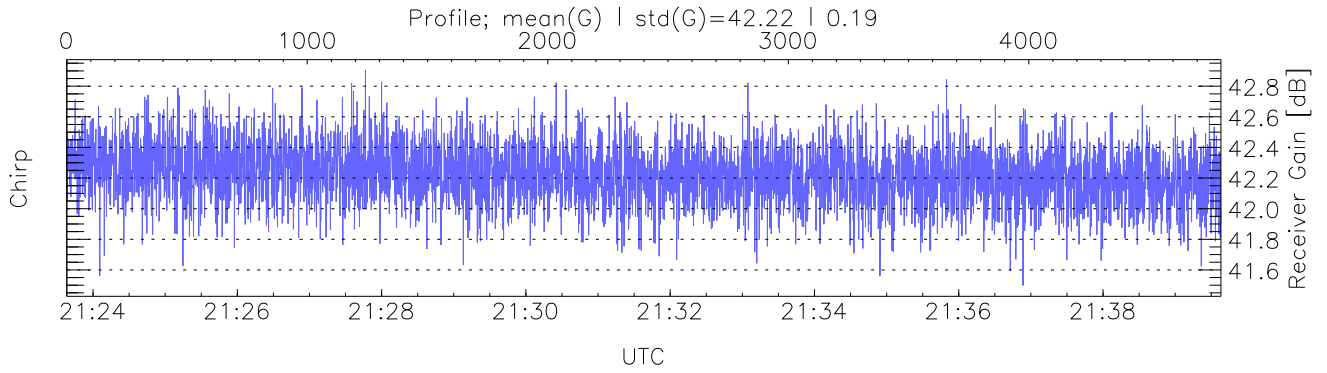
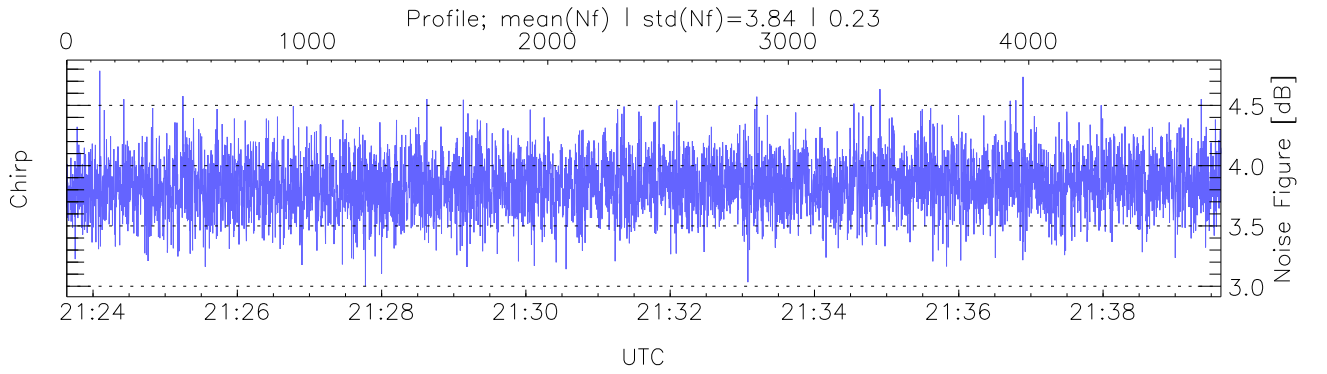


KPR SPP Temperatures, Power Supplies, PLO lock:

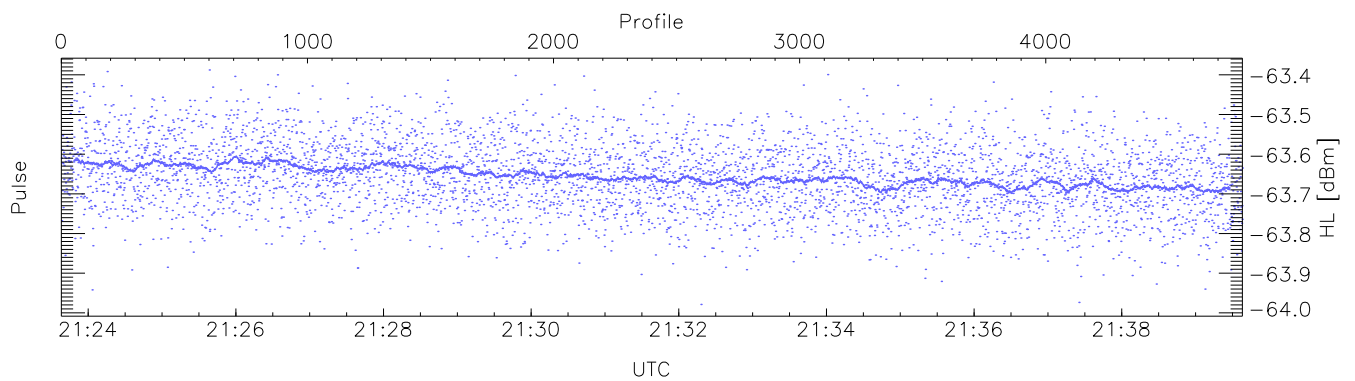
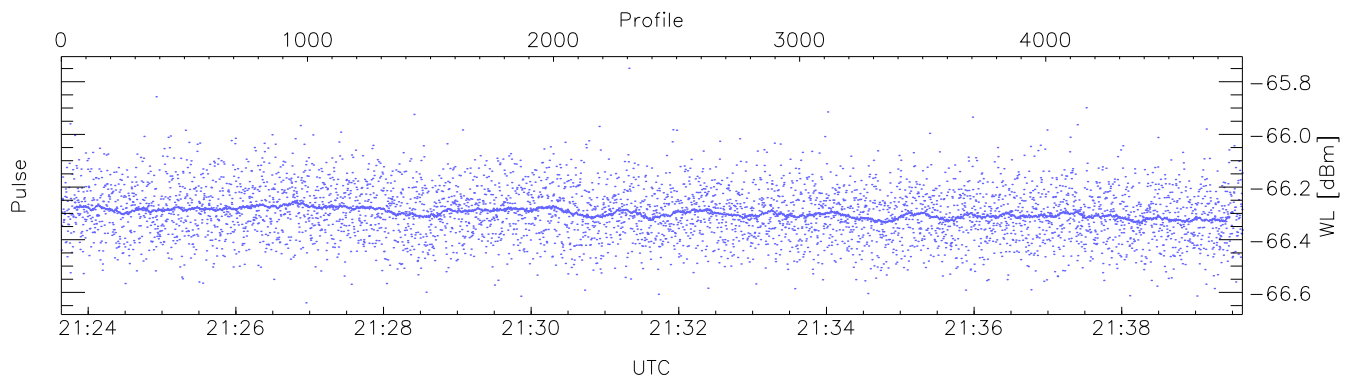
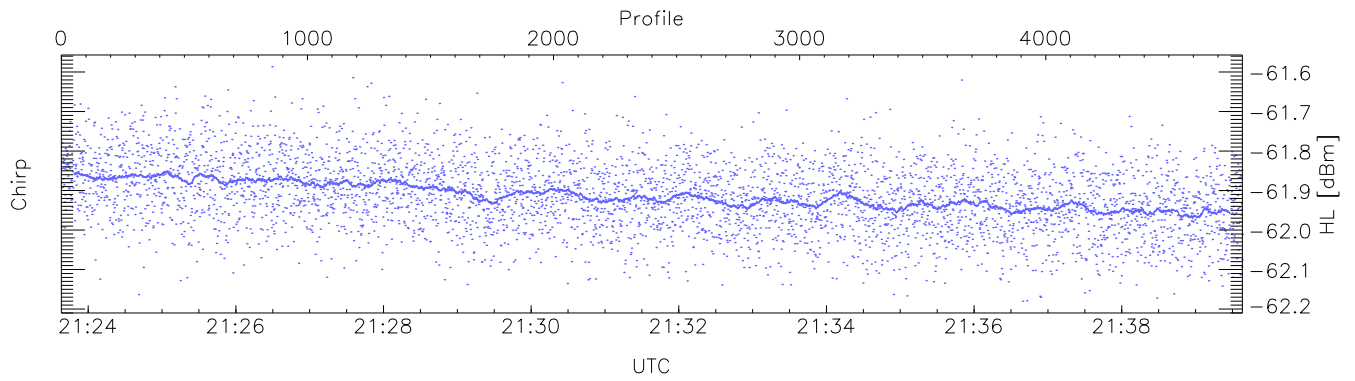
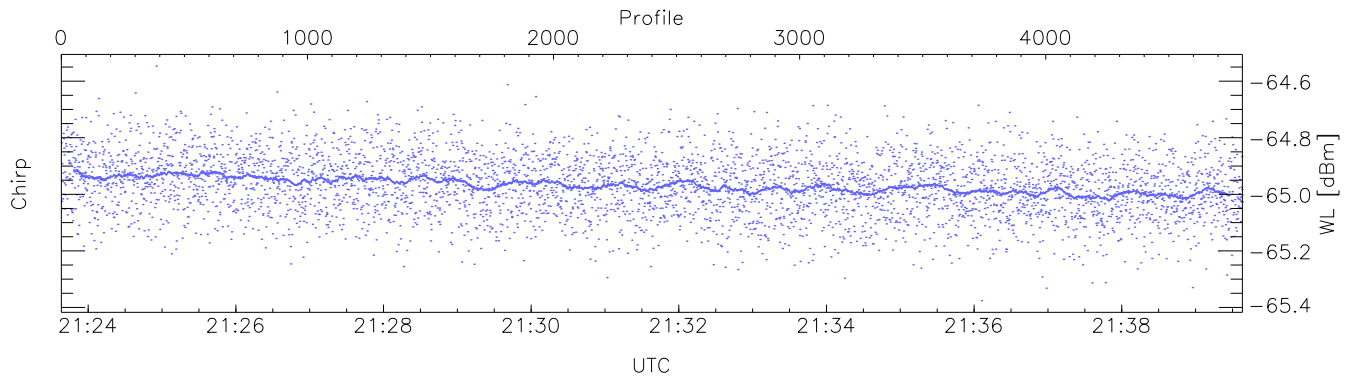
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	18.3,	18.2,	22.5,	13.8,	20.5,	-4.9,	13.8
maxtempC:	20.3,	18.7,	27.9,	14.2,	23.7,	-4.0,	15.6
meantempC:	19.2,	18.4,	26.0,	14.0,	22.3,	-4.5,	14.7

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.36,	11.65,	7.87,	5.21
maxVDC:	27.63,	11.72,	7.90,	5.23
meanVDC:	26.82,	11.68,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

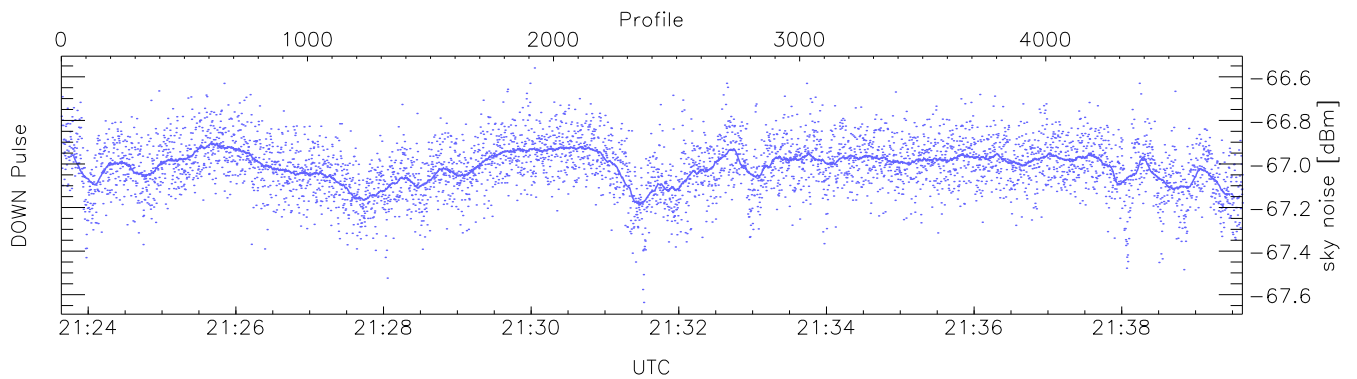
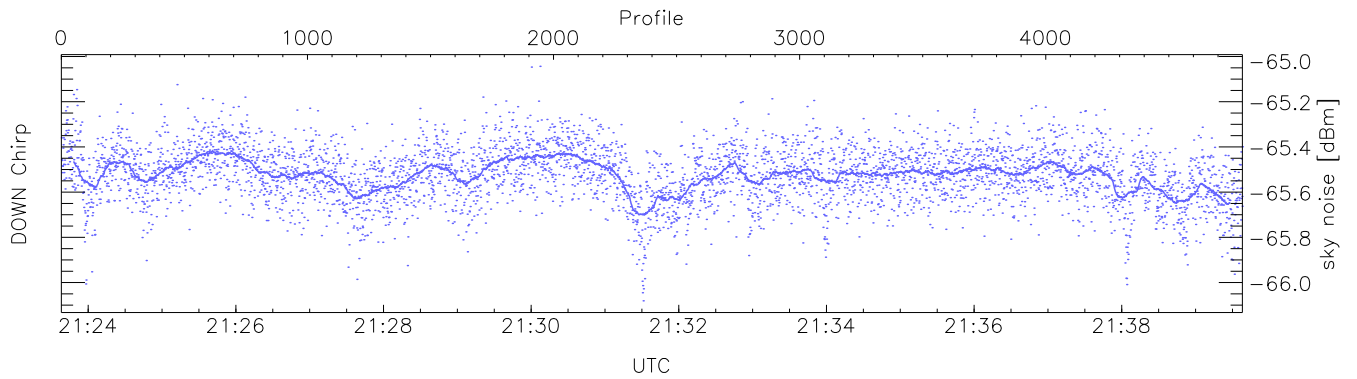
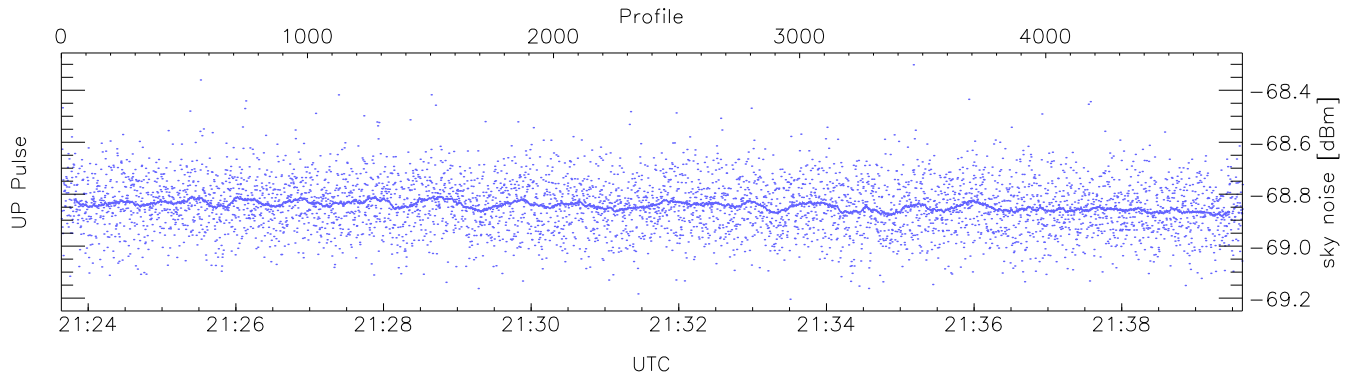
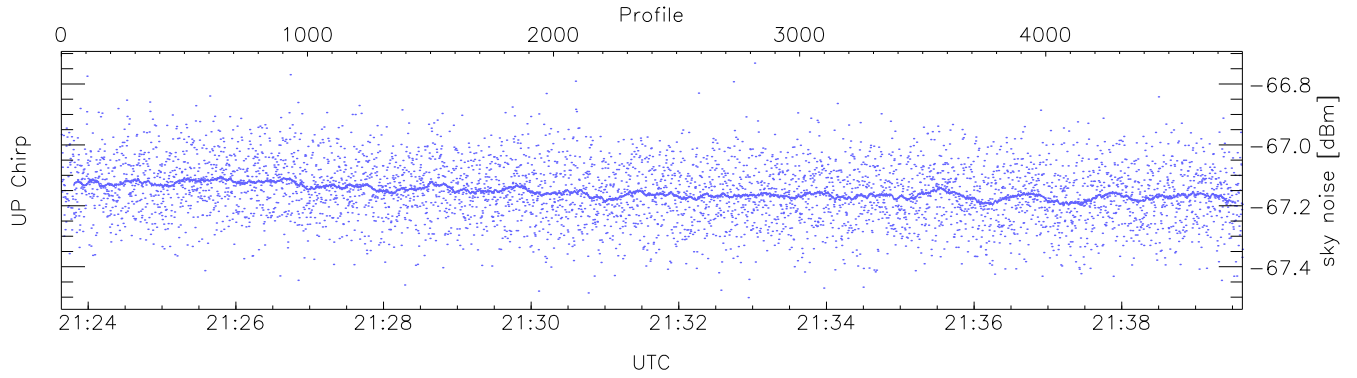


KPR SPP Receiver Gain and Noise Figure



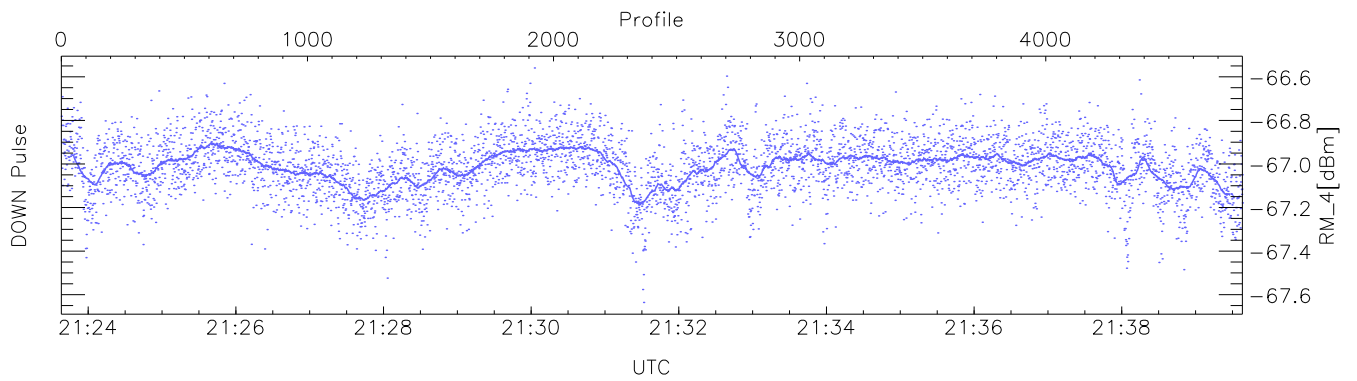
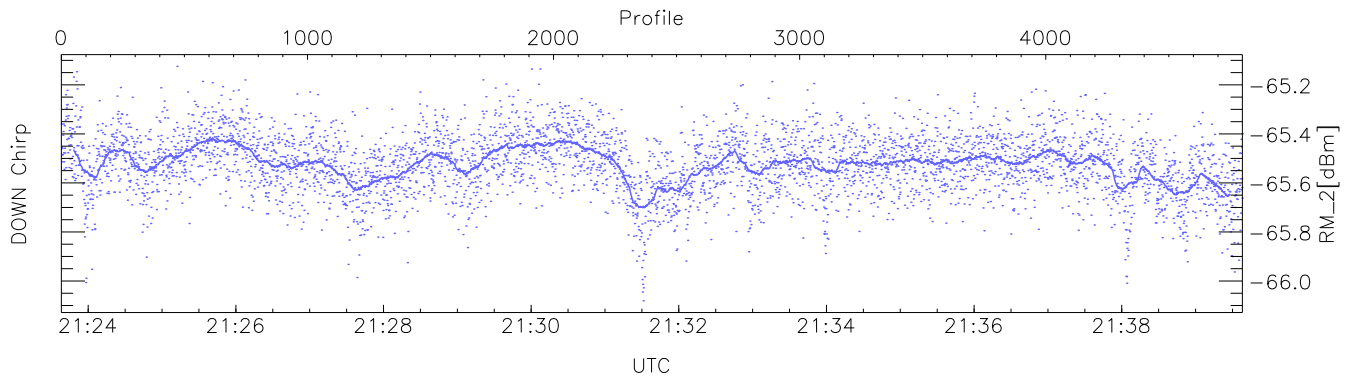
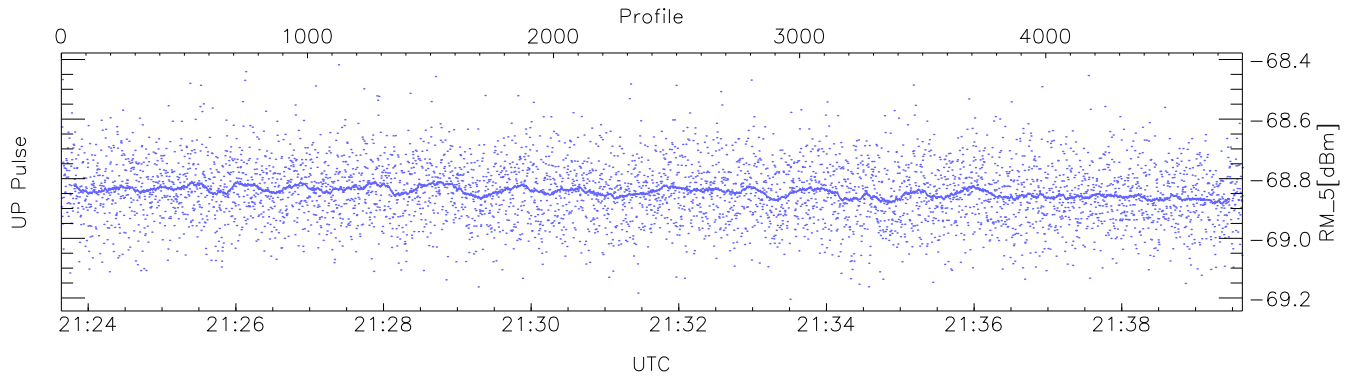
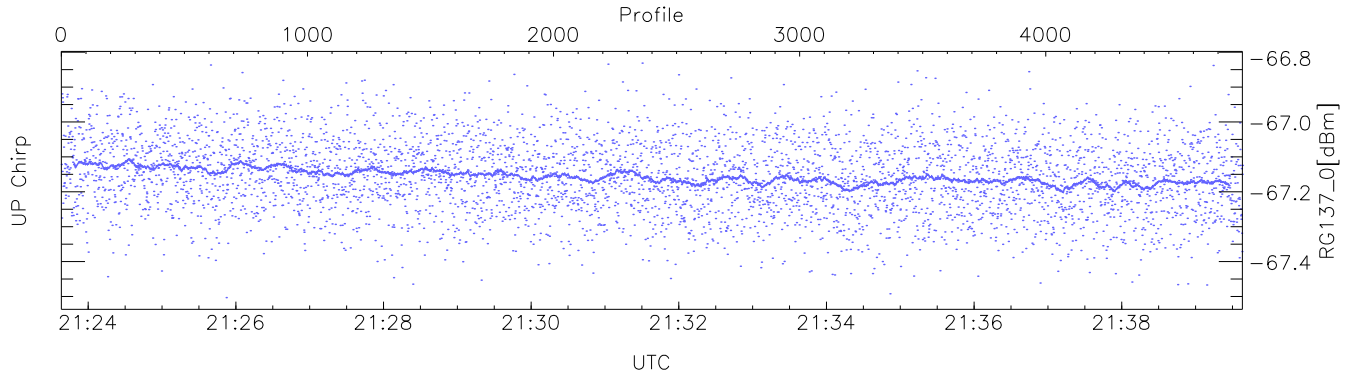
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.38	-64.55	-64.97	-64.97	-81.13
Chirp(HL [dBm])	-62.18	-61.59	-61.91	-61.91	-78.83
Pulse(WL [dBm])	-66.64	-65.75	-66.30	-66.30	-82.45
Pulse(HL [dBm])	-63.98	-63.39	-63.66	-63.66	-80.70



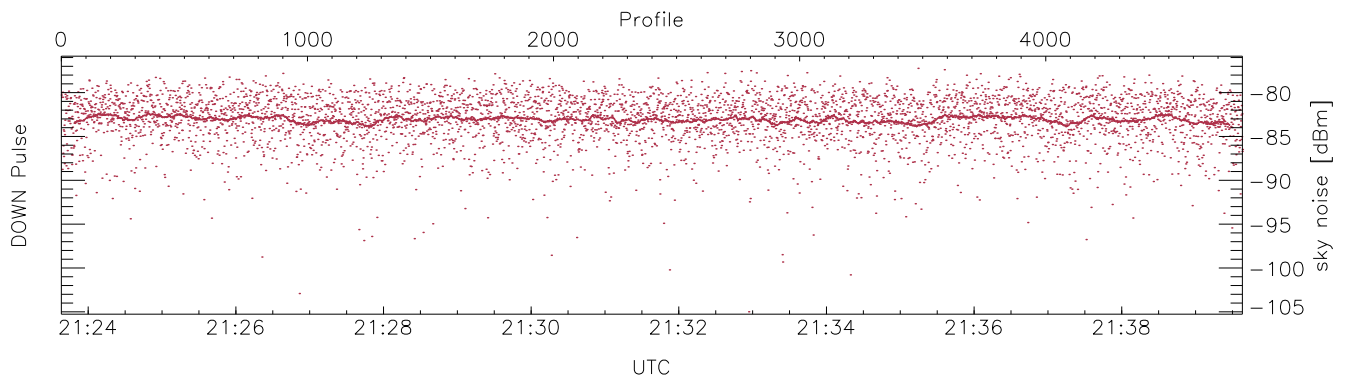
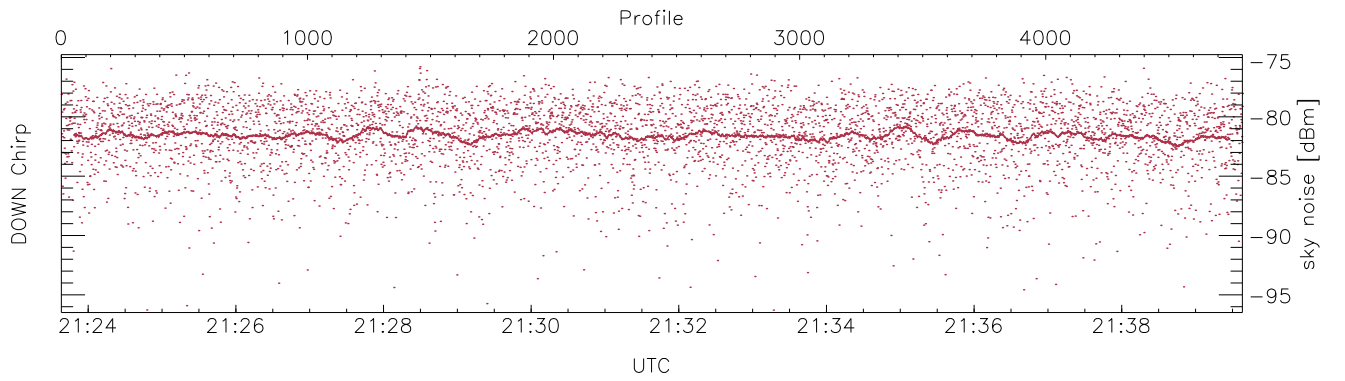
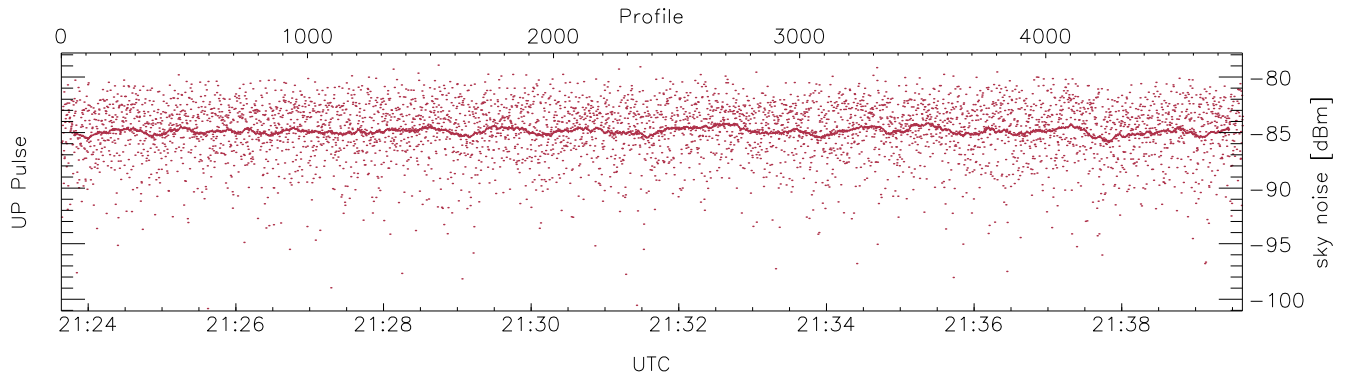
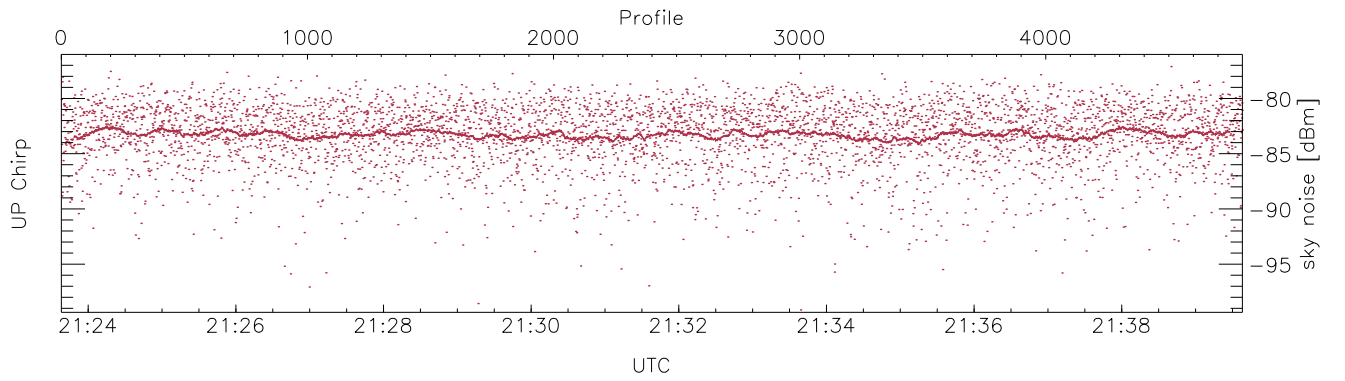
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.50	-66.73	-67.15	-67.15	-83.41
UP Pulse(dBm)	-69.20	-68.30	-68.84	-68.85	-84.94
DOWN Chirp(dBm)	-66.08	-65.04	-65.52	-65.52	-81.02
DOWN Pulse(dBm)	-67.64	-66.56	-67.01	-67.01	-82.29



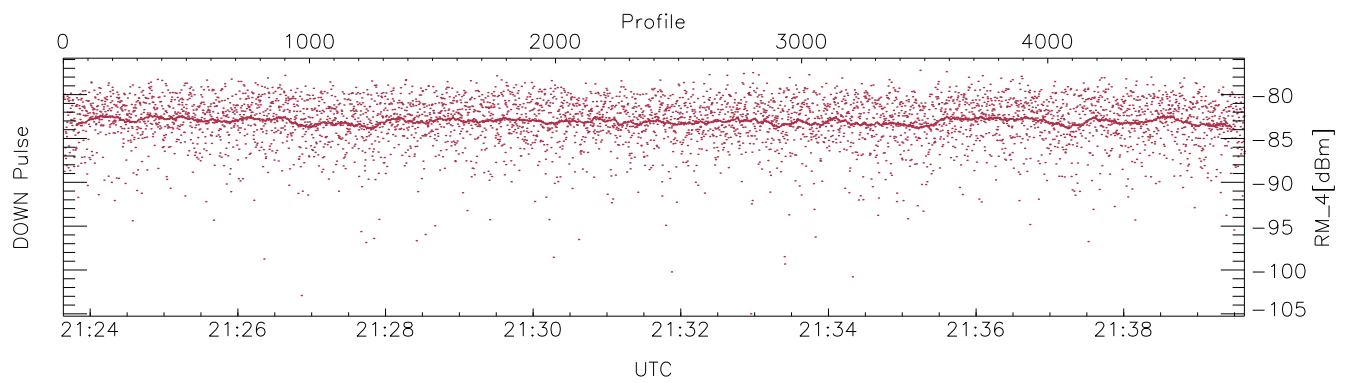
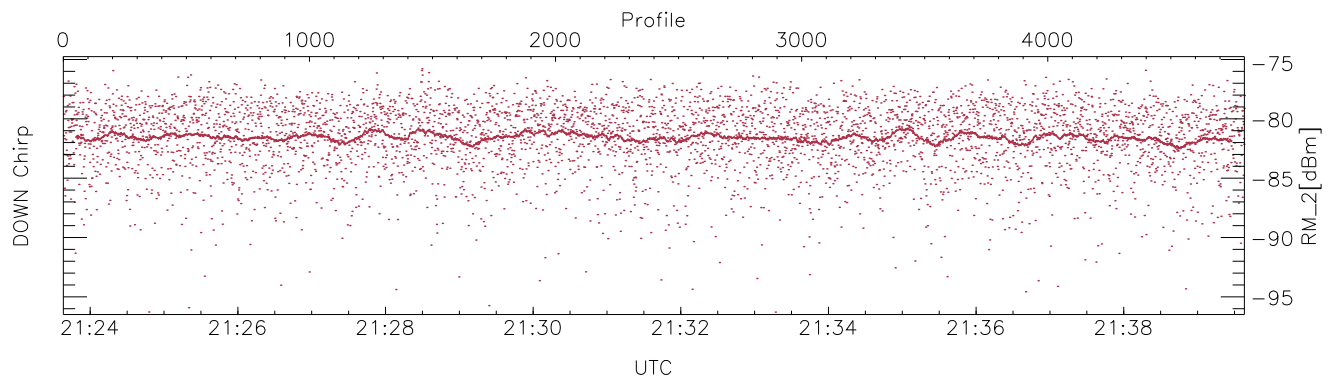
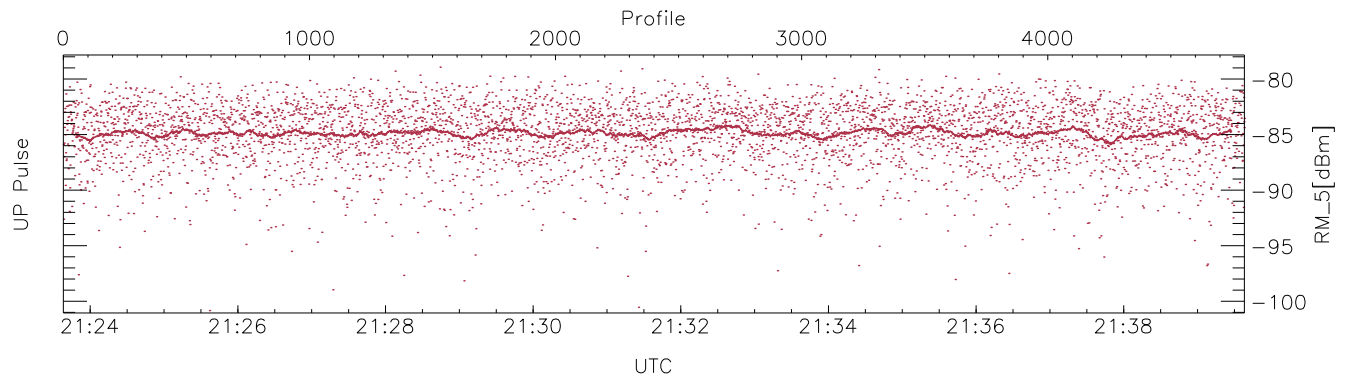
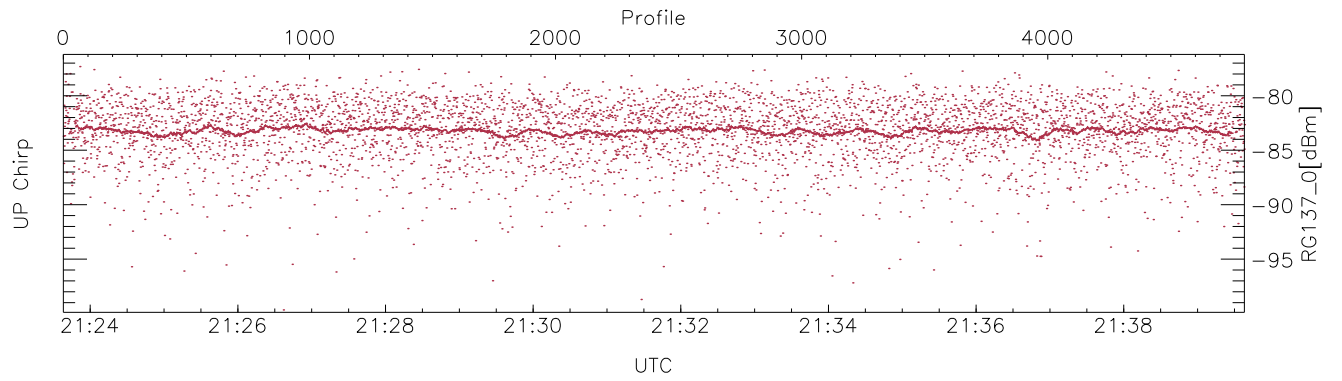
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG137_0	-67.50	-66.83	-67.16	-67.16	-83.39
UP_P_RM_5	-69.20	-68.42	-68.84	-68.85	-84.97
DOWN_C_RM_2	-66.08	-65.12	-65.52	-65.52	-81.03
DOWN_P_RM_4	-67.64	-66.56	-67.01	-67.01	-82.30



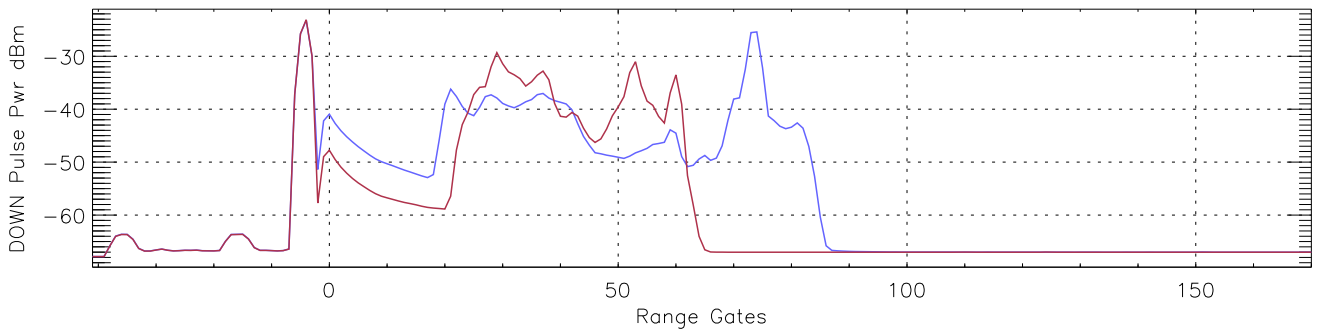
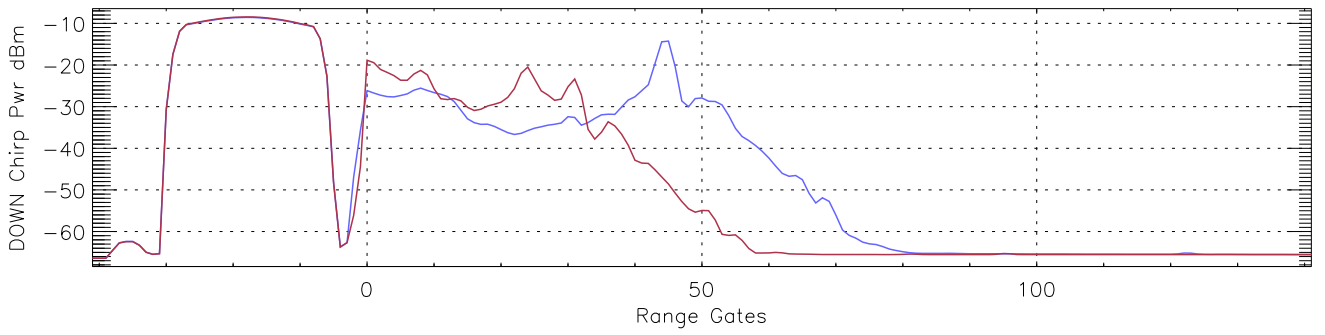
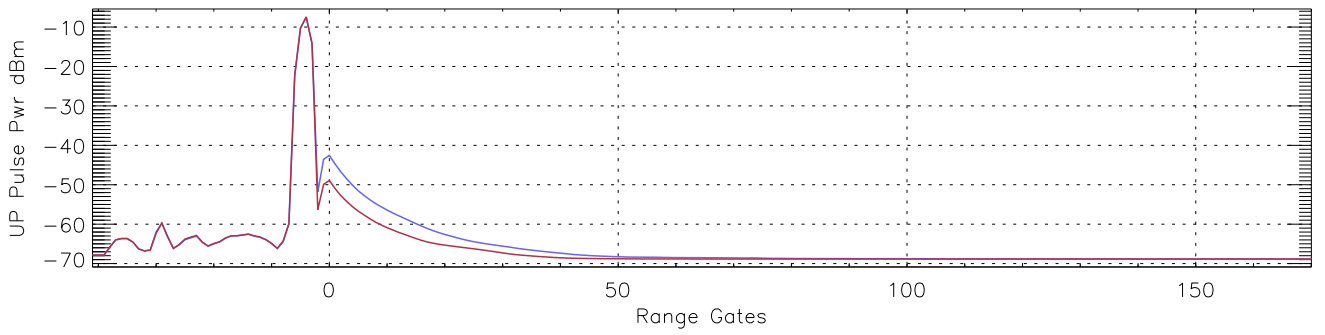
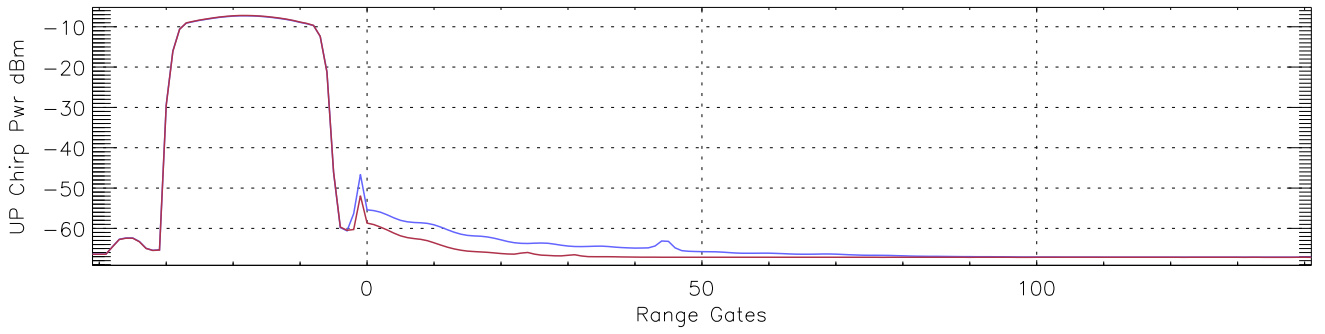
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.14	-77.11	-82.55	-82.85	-85.36
UP Pulse(dBm)	-100.84	-78.93	-84.18	-84.43	-87.00
DOWN Chirp(dBm)	-96.29	-75.78	-80.85	-81.13	-83.67
DOWN Pulse(dBm)	-104.99	-77.24	-82.36	-82.63	-85.22

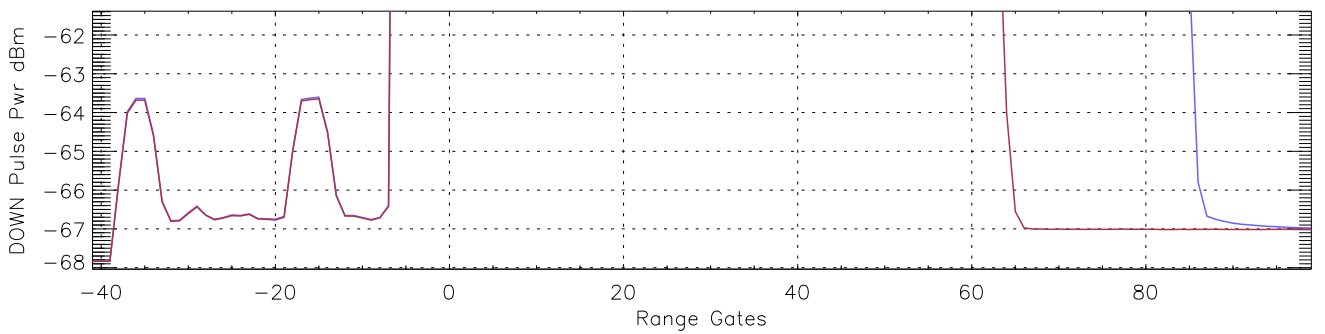
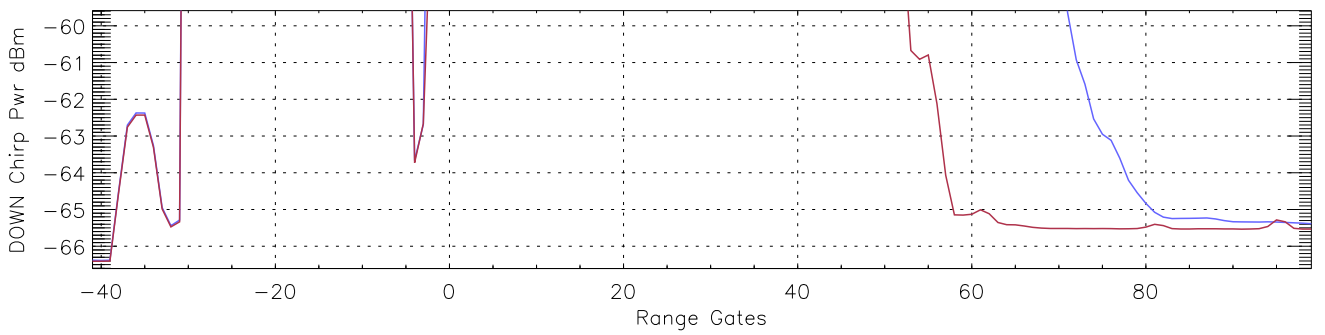
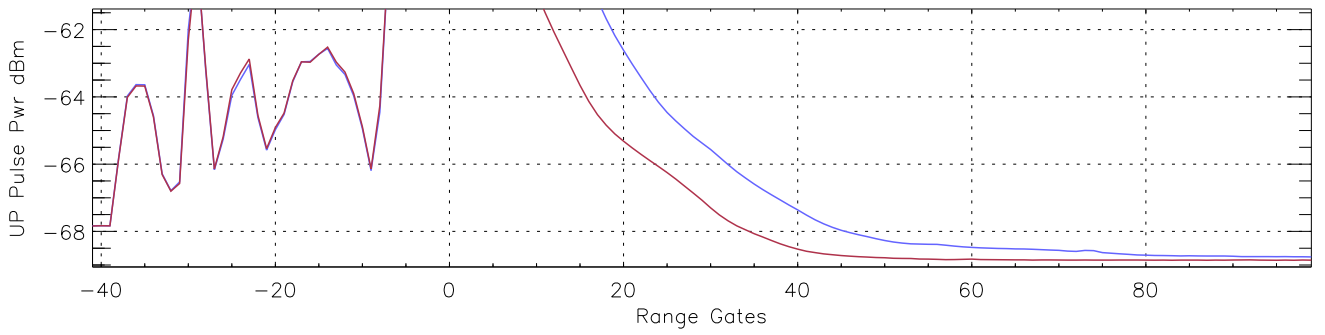
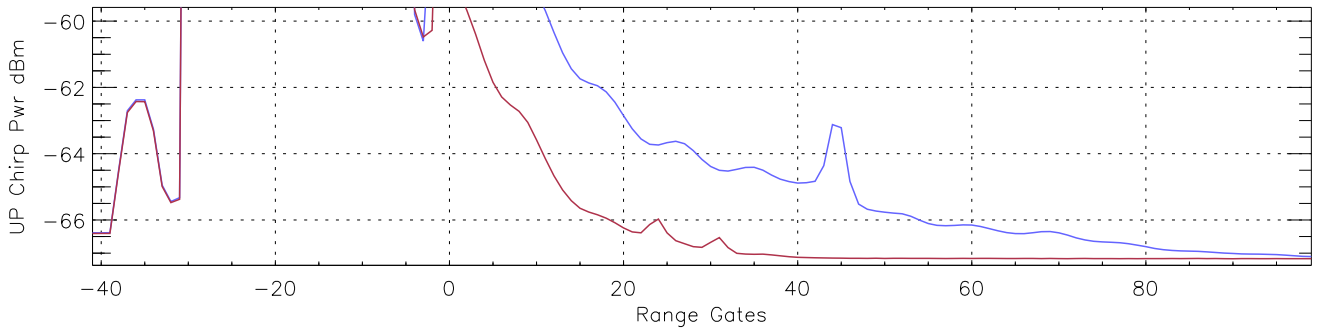


KPR SPP "Best" PPMAG noise (dBm):

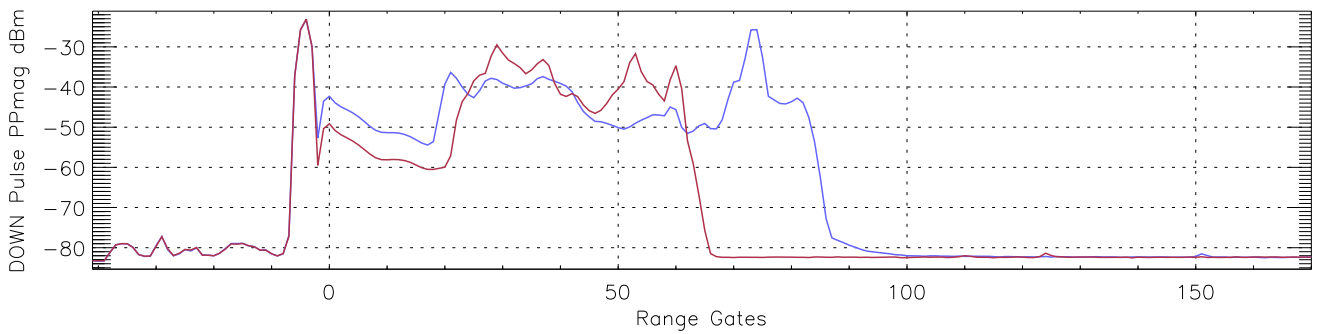
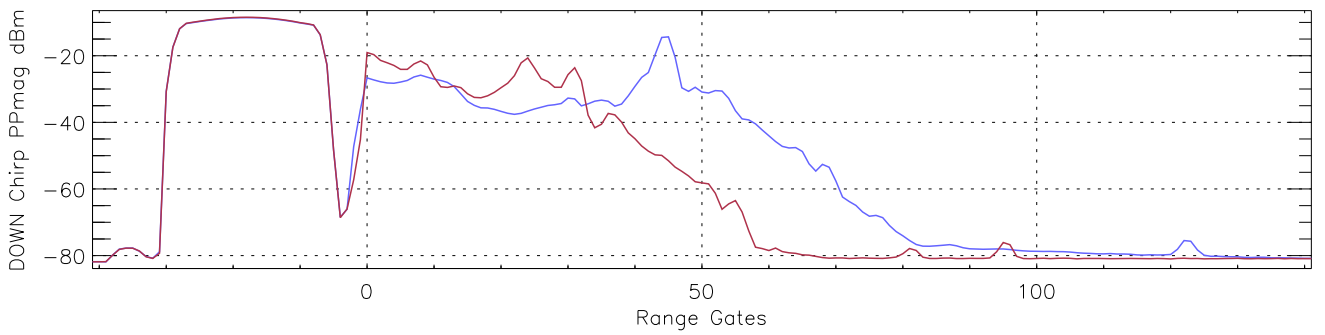
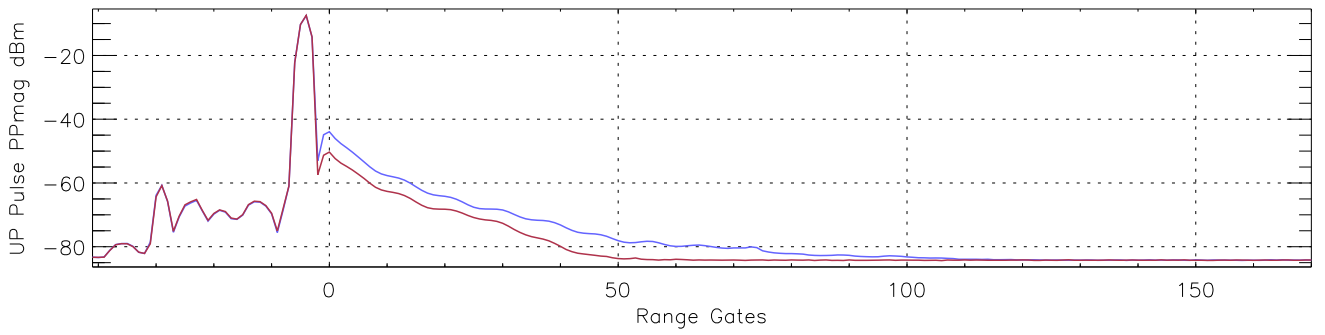
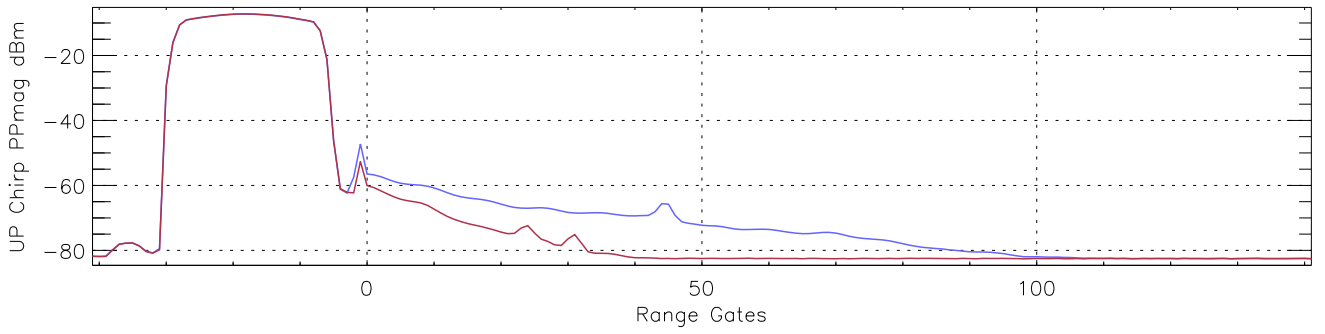
	Min	Max	Mean	Median	StDev
UP_C_RG137_0	-99.67	-77.32	-82.51	-82.79	-85.32
UP_P_RM_5	-100.84	-78.93	-84.18	-84.43	-87.00
DOWN_C_RM_2	-96.29	-75.78	-80.85	-81.13	-83.67
DOWN_P_RM_4	-104.99	-77.24	-82.36	-82.63	-85.22



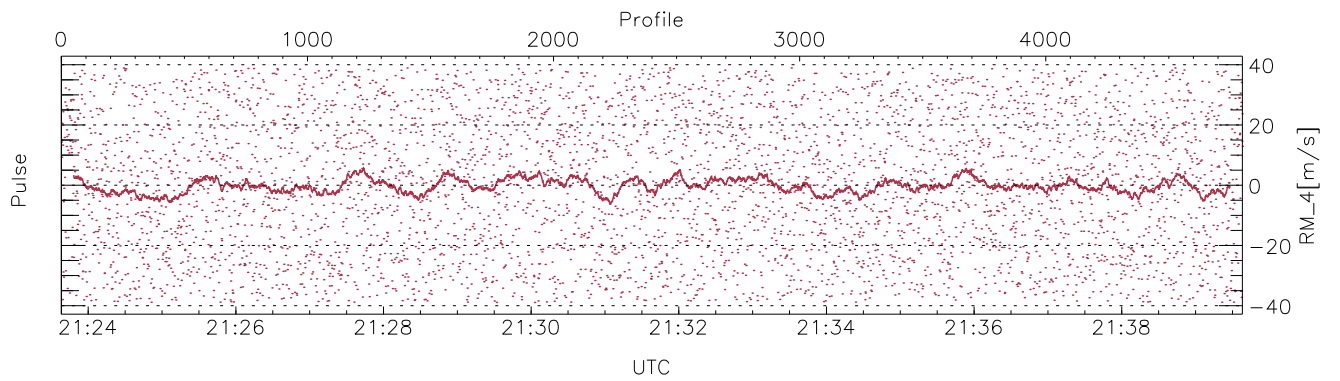
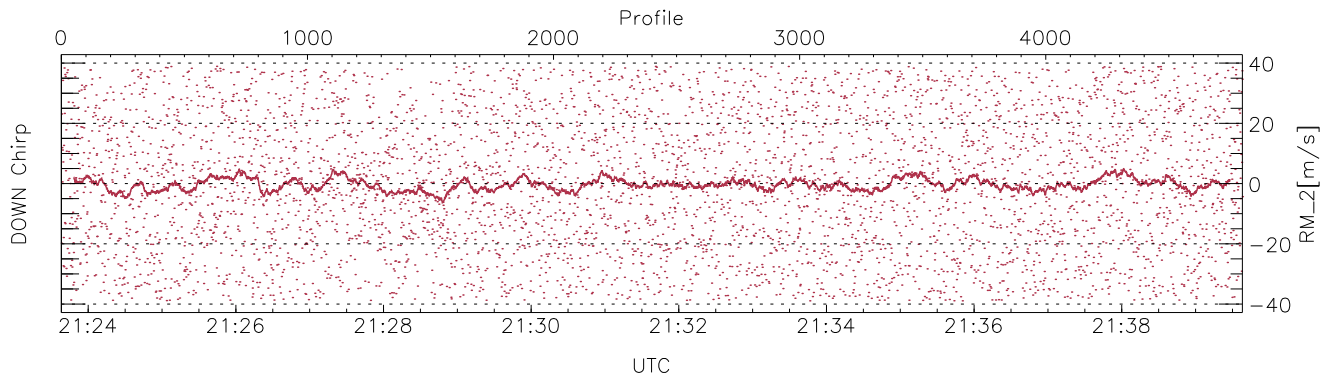
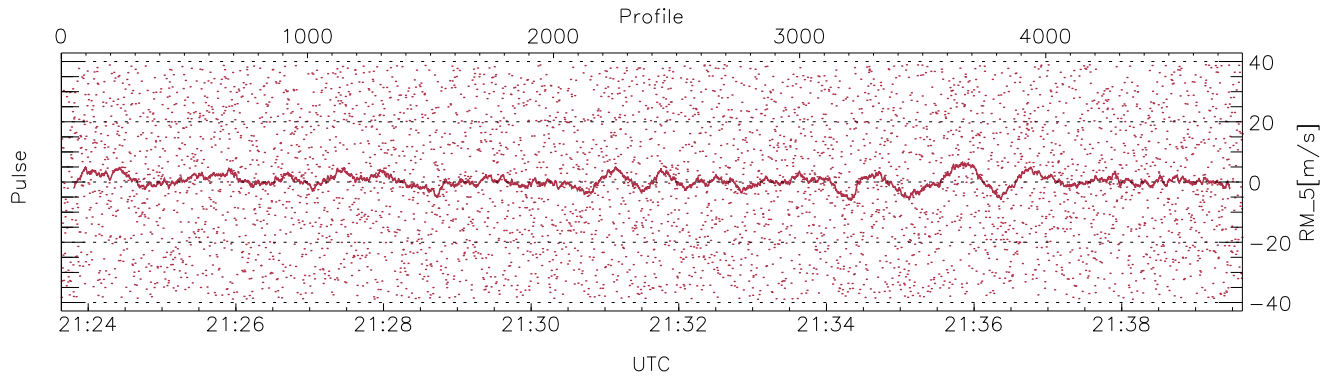
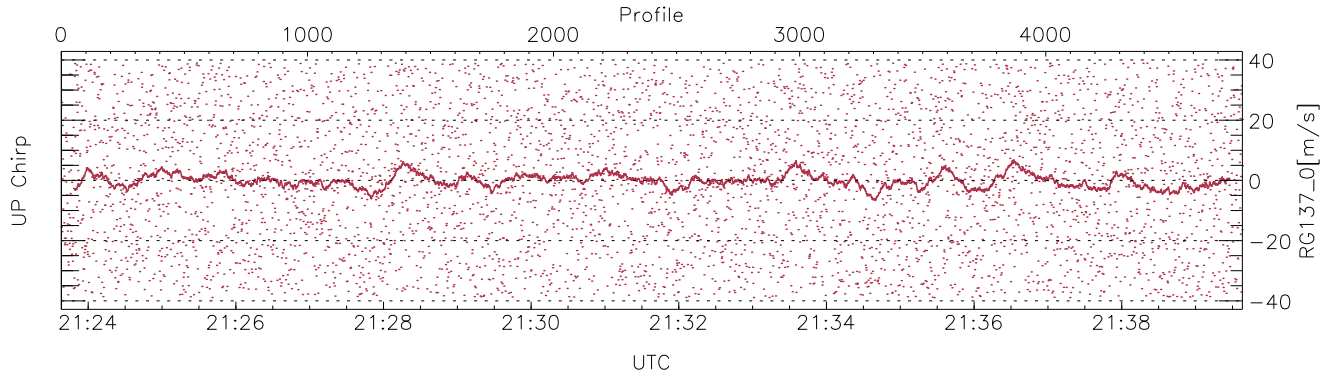
KPR SPP Averaged Received power for all recorded gates
blue: 212338-213138, 2401 profiles averaged
red: 213138-213938, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 212338-213138, 2401 profiles averaged
red: 213138-213938, 2400 profiles averaged

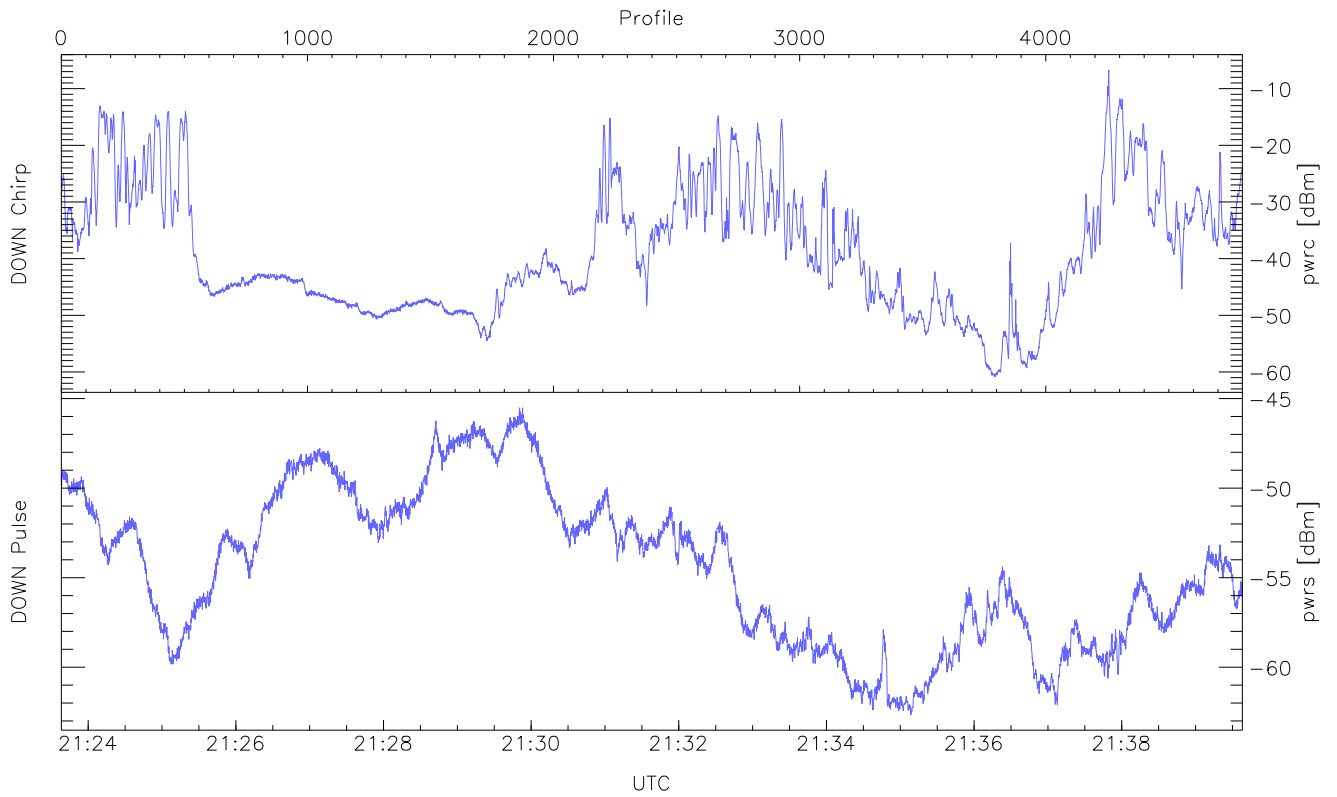
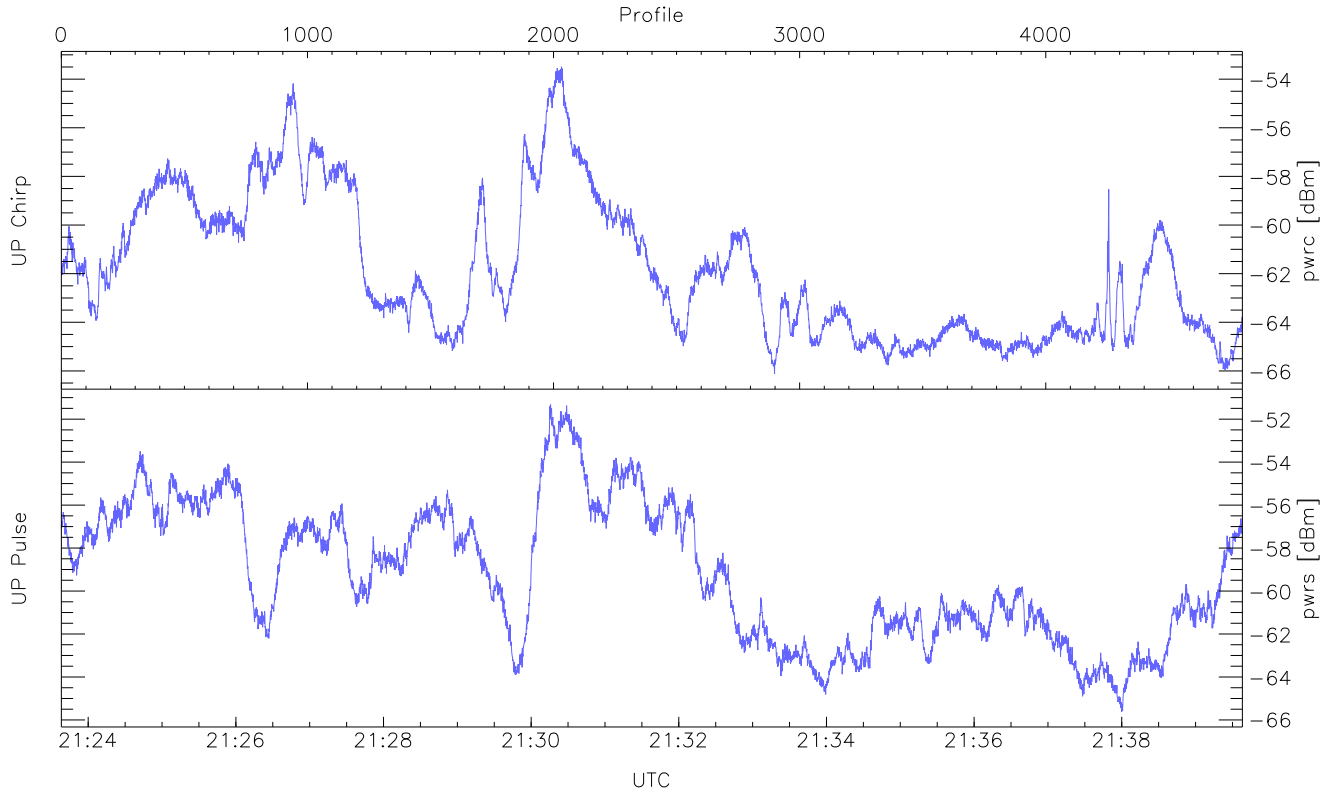


KPR SPP Averaged PP magnitude for all recorded gates
blue: 212338-213138, 2401 profiles averaged
red: 213138-213938, 2400 profiles averaged



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

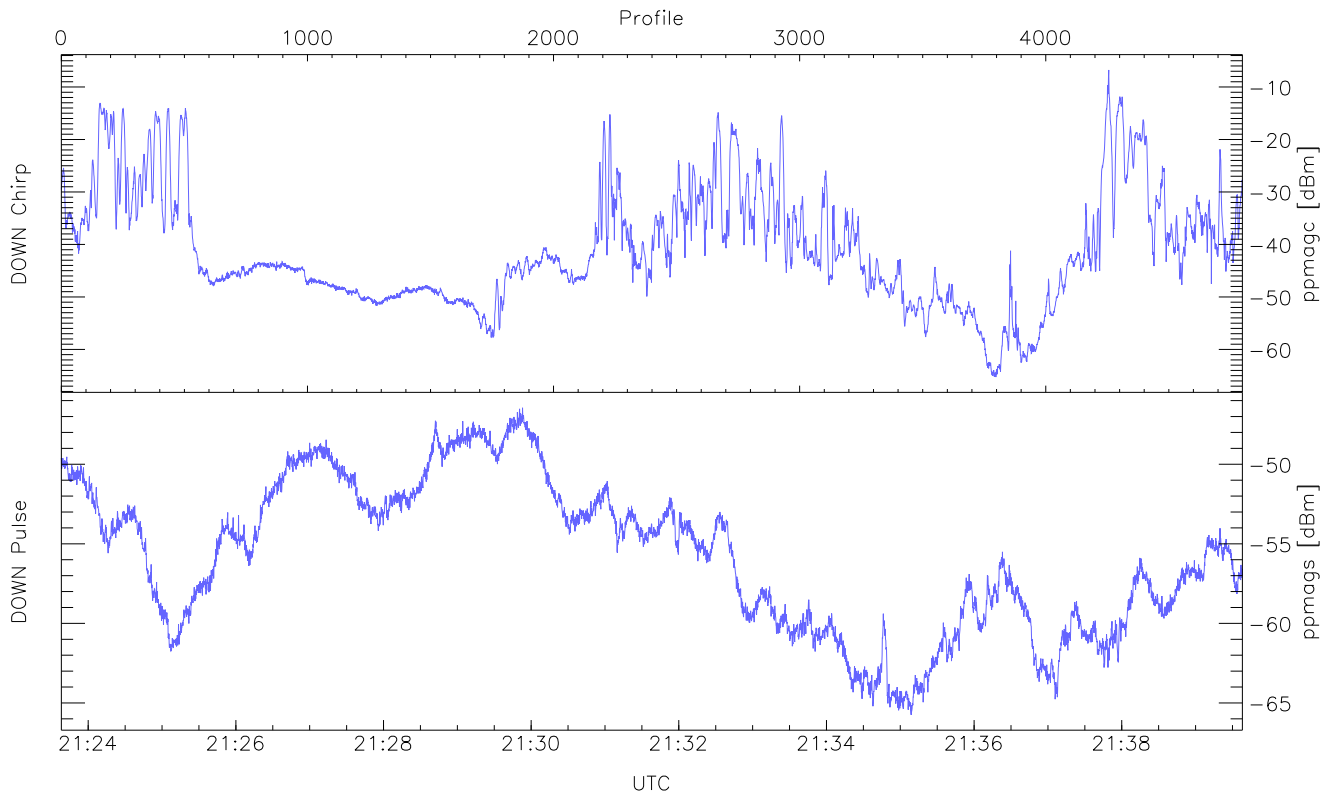
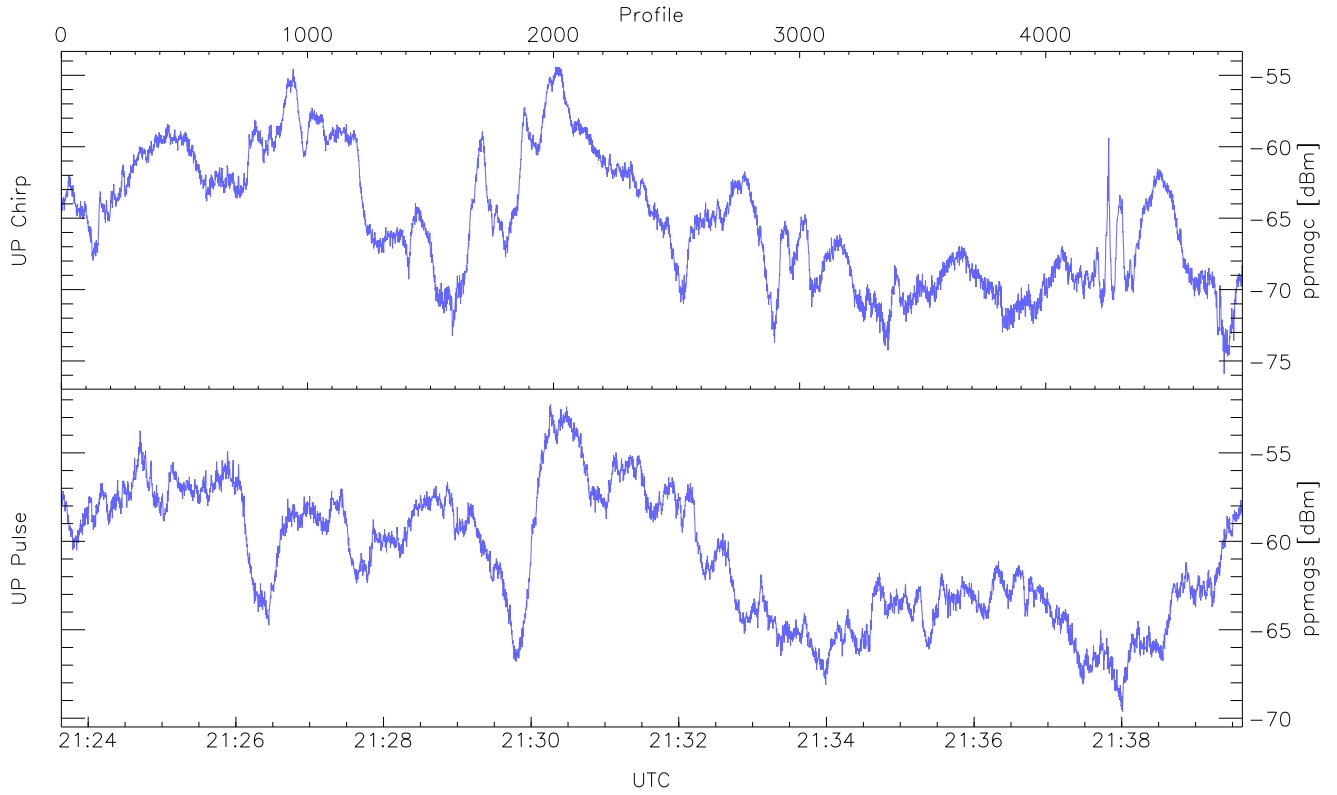
	Min	Max	Mean	Median	StDev
UP_C_RG137_0	-38.94	38.94	-0.19	-0.11	22.33
UP_P_RM_5	-38.91	38.94	0.23	-0.02	22.11
DOWN_C_RM_2	-38.94	38.93	-0.35	-0.57	21.89
DOWN_P_RM_4	-38.92	38.94	-0.25	-0.09	22.13



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

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

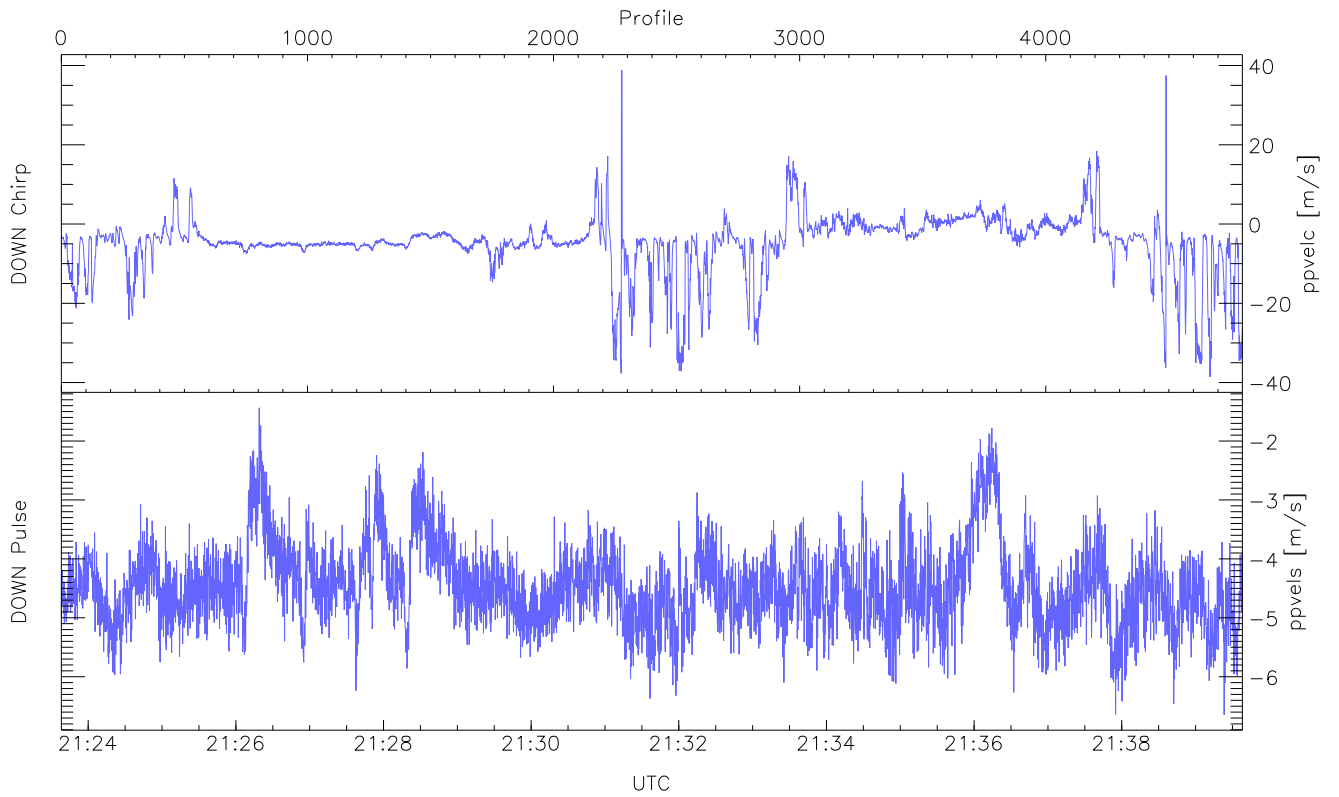
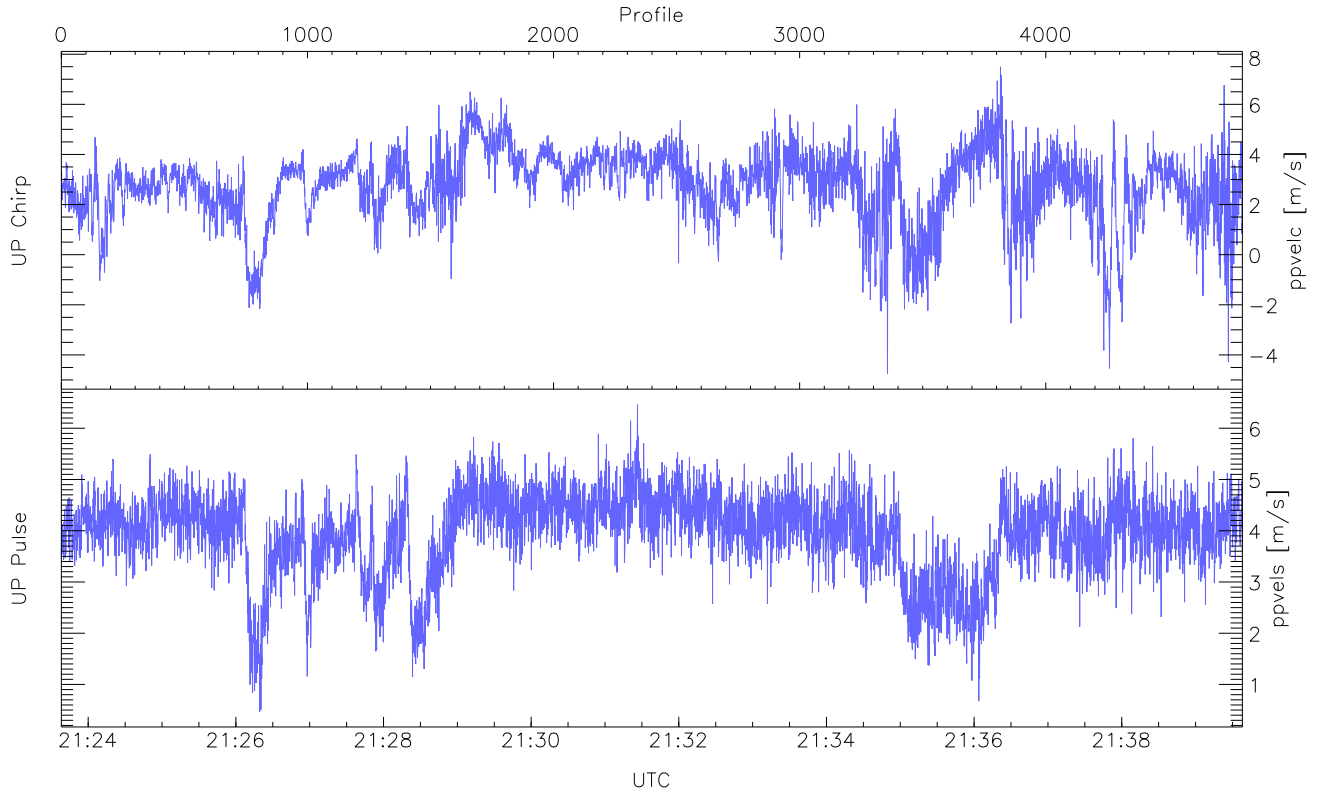
	Min	Max	Mean
UP Chirp(dBm)	-66.12	-53.49	-60.80
UP Pulse(dBm)	-65.61	-51.32	-58.10
DOWN Chirp(dBm)	-60.89	-6.71	-26.15
DOWN Pulse(dBm)	-62.66	-45.51	-52.43



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

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

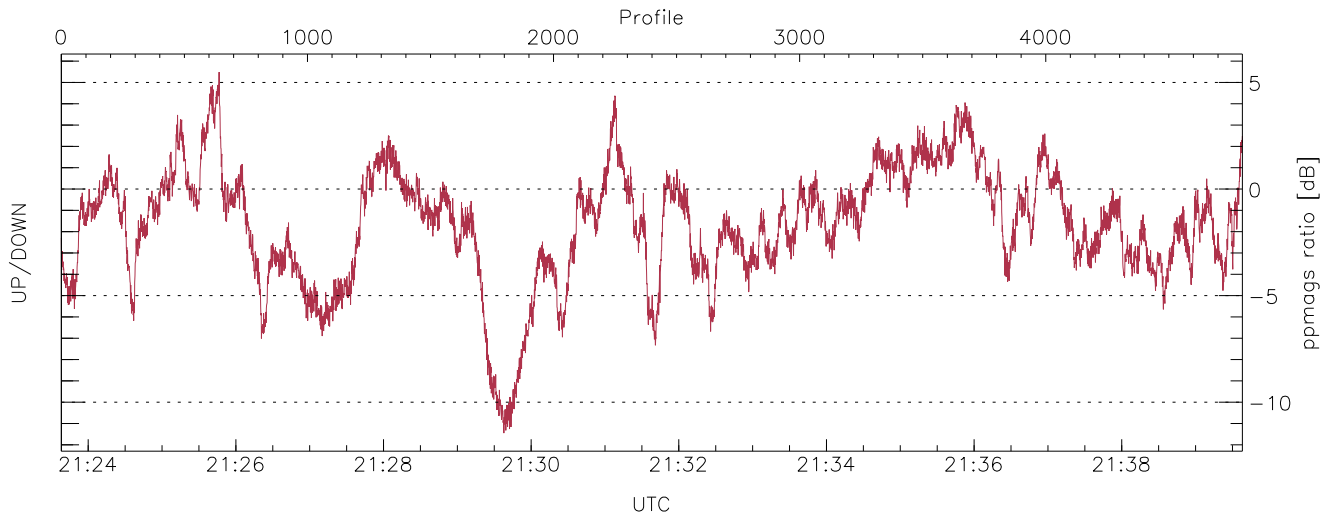
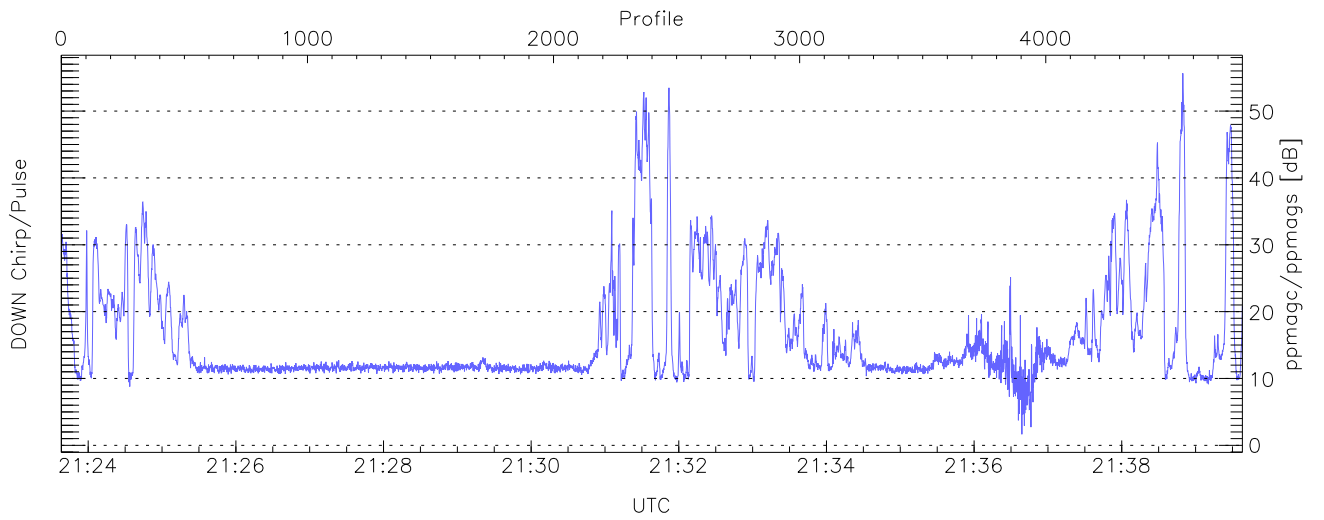
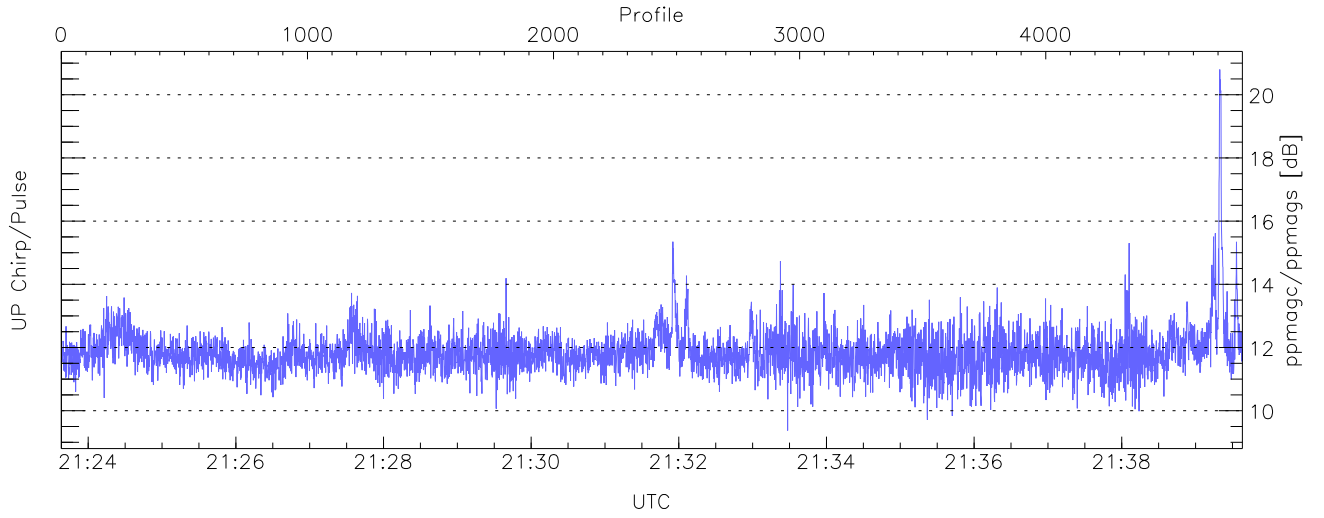
	Min	Max	Mean
UP Chirp(dBm)	-75.90	-54.40	-62.91
UP Pulse(dBm)	-69.63	-52.27	-59.49
DOWN Chirp(dBm)	-65.26	-6.76	-26.72
DOWN Pulse(dBm)	-65.75	-46.45	-53.54



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)	-4.76	7.50	2.71
UP Pulse(m/s)	0.47	6.46	3.94
DOWN Chirp(m/s)	-38.61	38.88	-4.94
DOWN Pulse(m/s)	-6.65	-1.43	-4.47



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	9.37	20.80	11.93
DOWN Chirp/Pulse(dBm)	1.65	55.65	32.02
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-11.45	5.49	-0.94