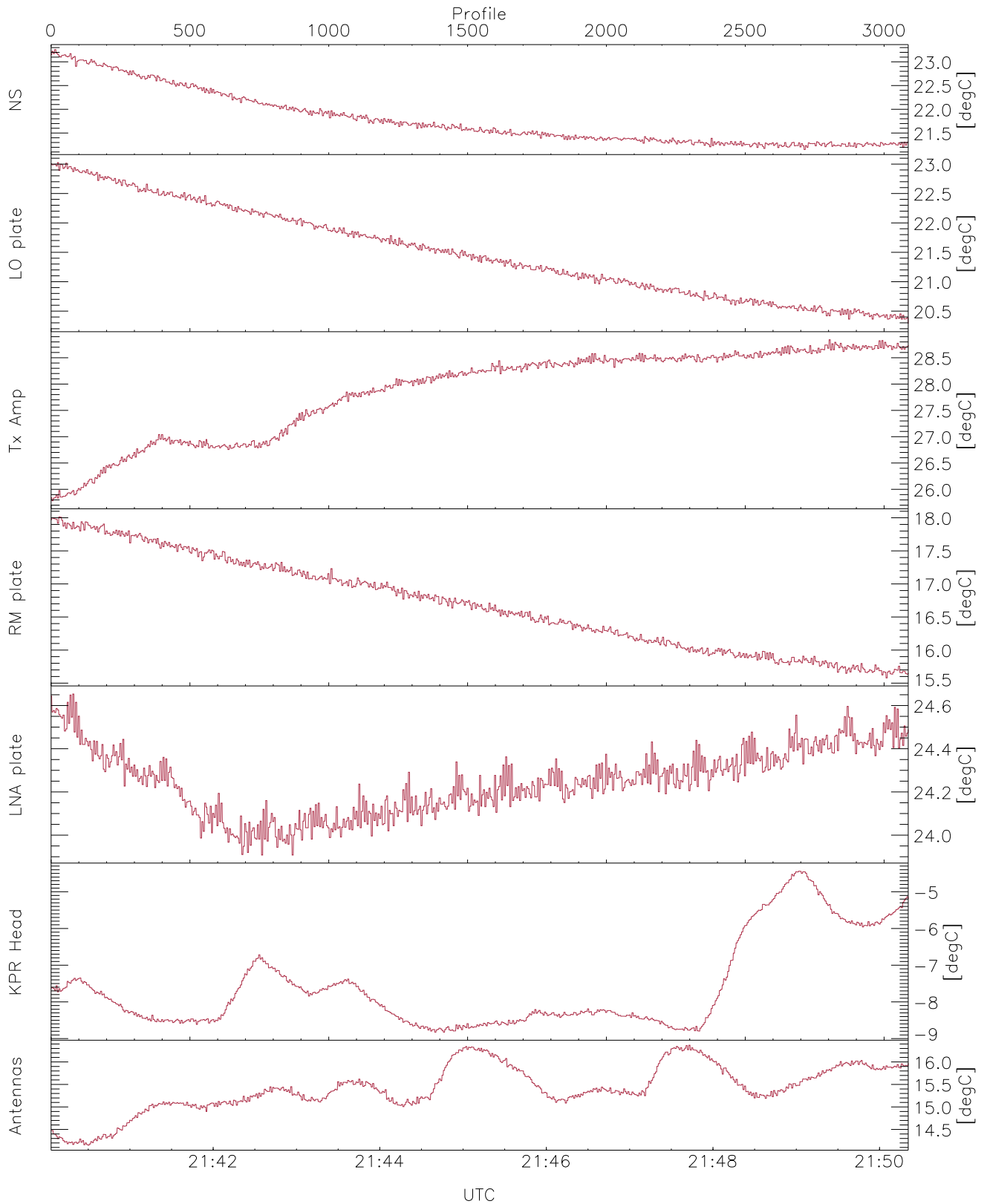


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
UTC: 21:40:03-21:50:21, TimeCor: 0.00s, Dur: 617.45s
TimeInt(min,max,mn,std): 199.9,200.2,200.0,0.0 ms; PPS: 5.0
NumRec(r/t): 3088/3088, 0-3087/21:40:03-21:50:21
AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.8 KB/s
Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 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

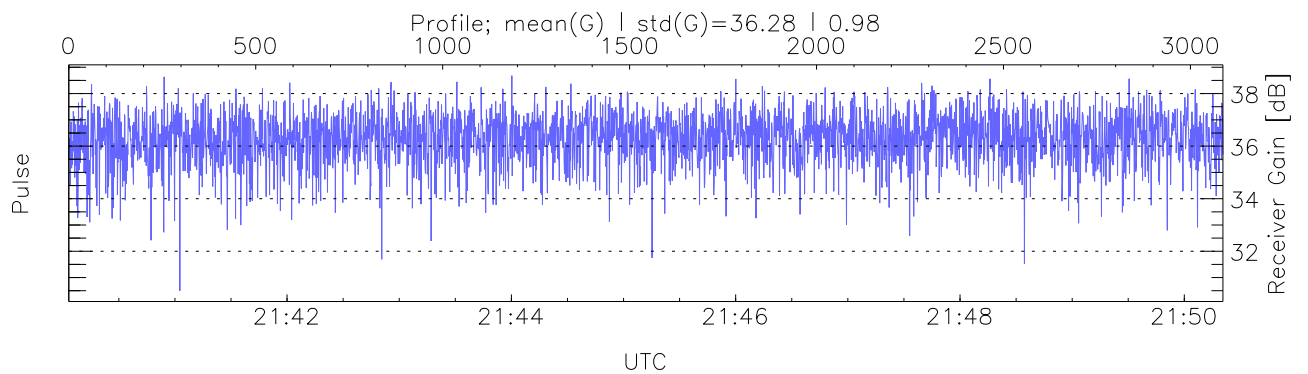
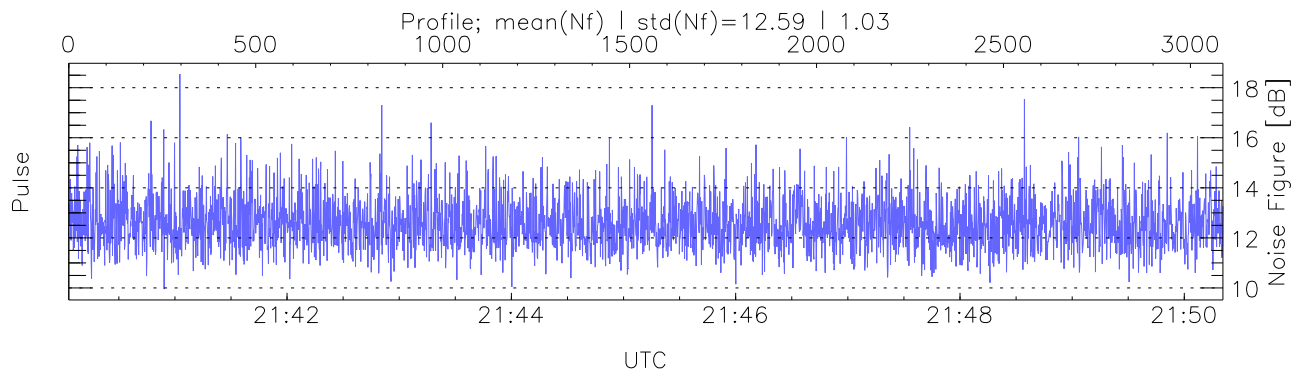
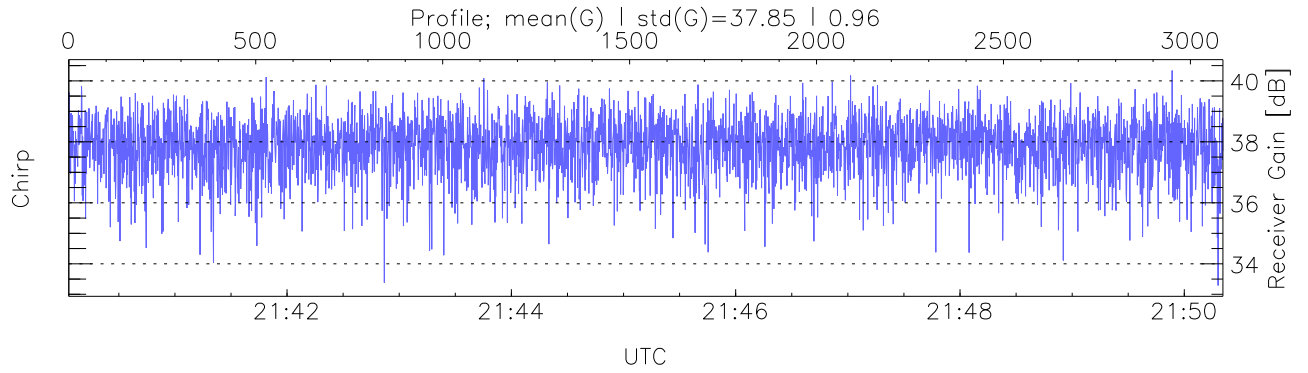
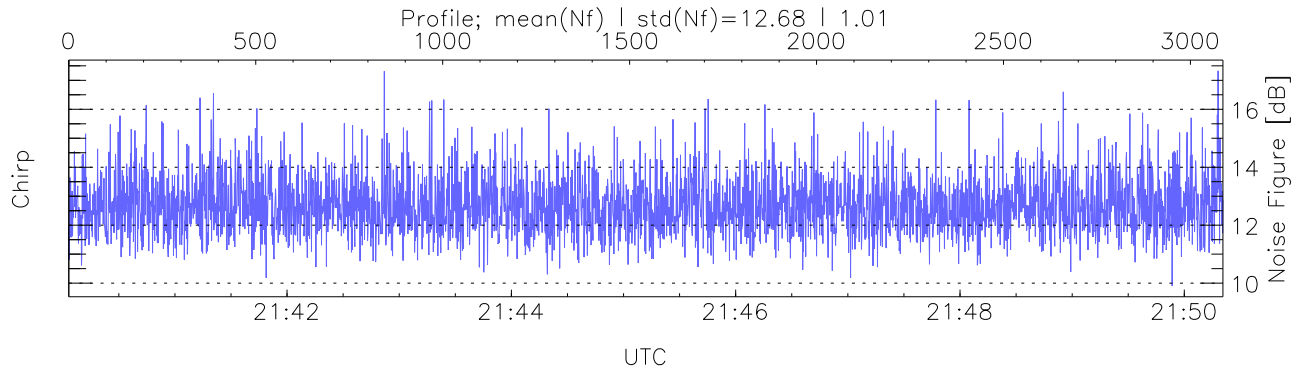


KPR SPP Temperatures, Power Supplies, PLO lock:

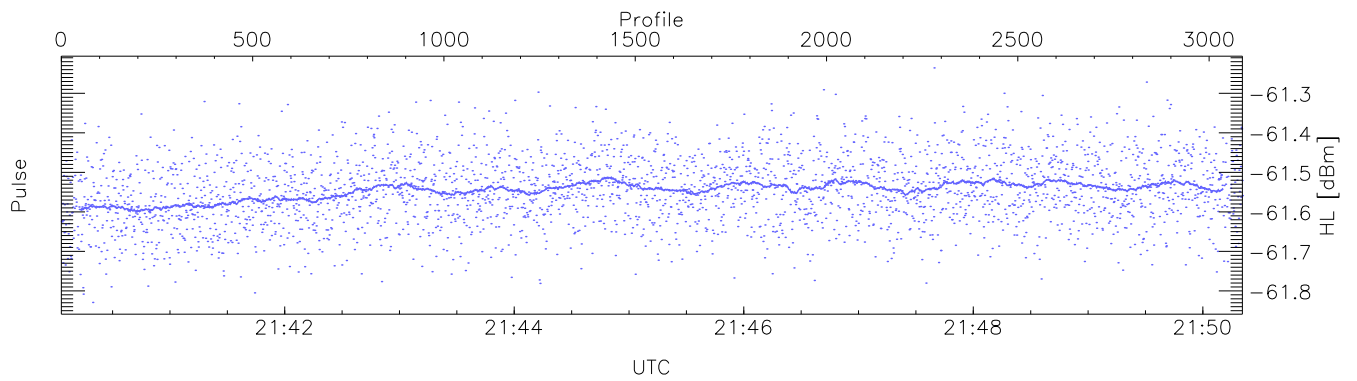
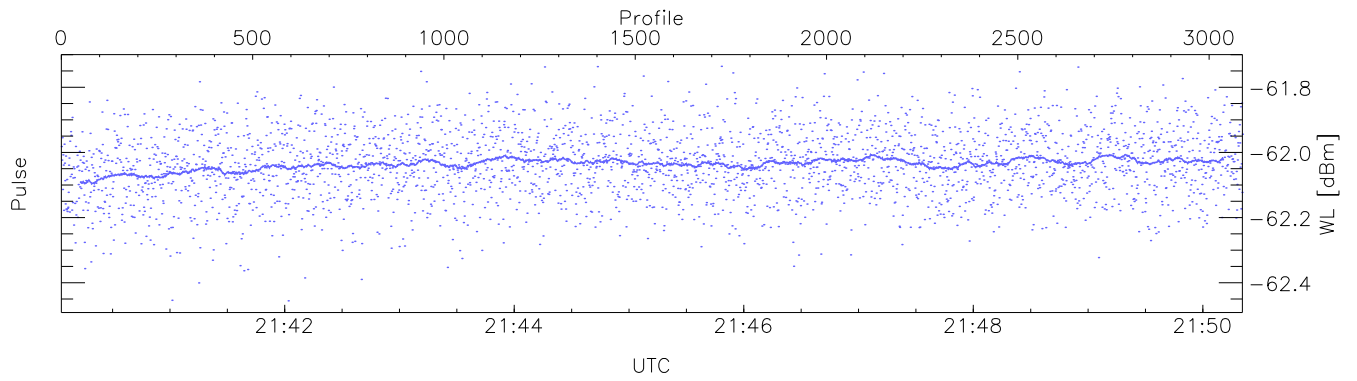
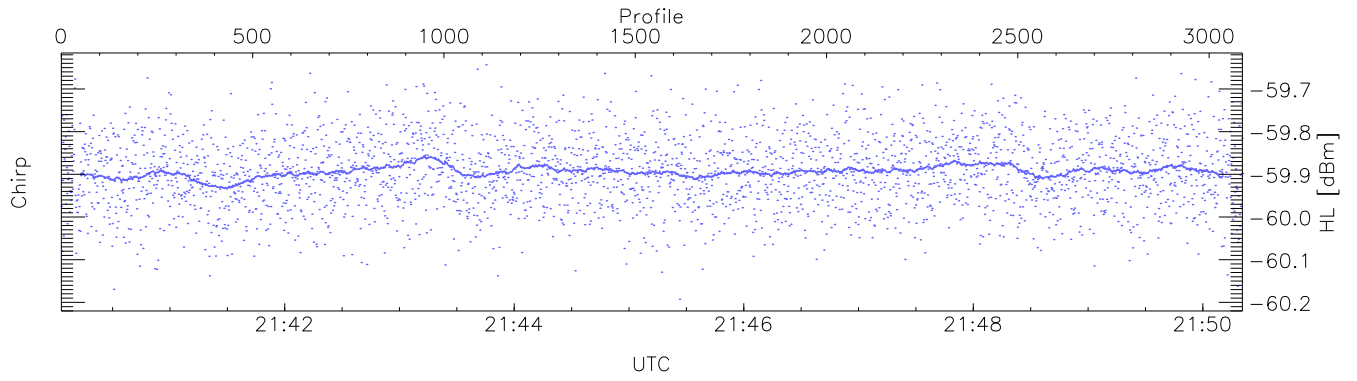
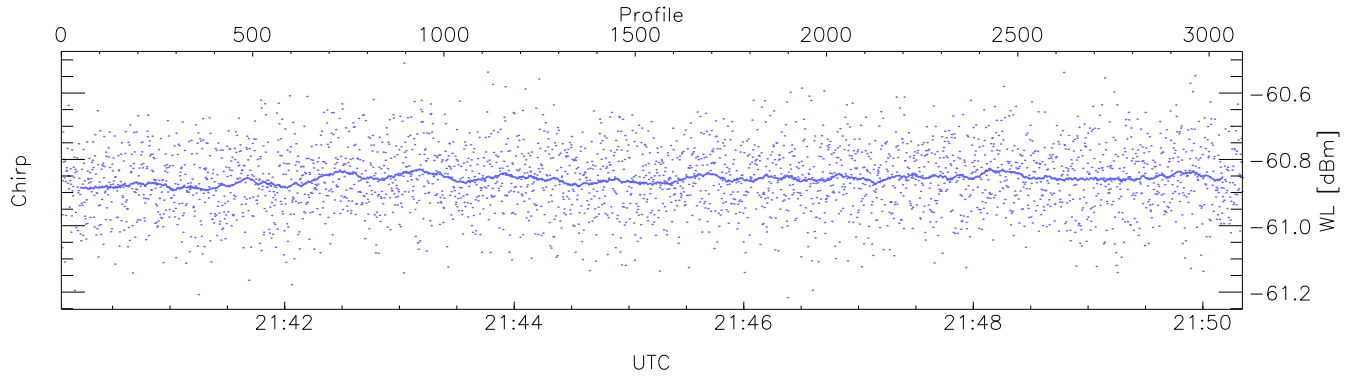
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	21.2,	20.3,	25.8,	15.6,	23.9,	-8.8,	14.2
maxtempC:	23.3,	23.0,	28.8,	18.0,	24.7,	-4.4,	16.4
meantempC:	21.8,	21.5,	27.9,	16.7,	24.2,	-7.6,	15.4

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.40,	11.65,	7.87,	5.21
maxVDC:	27.71,	11.72,	7.89,	5.23
meanVDC:	26.69,	11.68,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

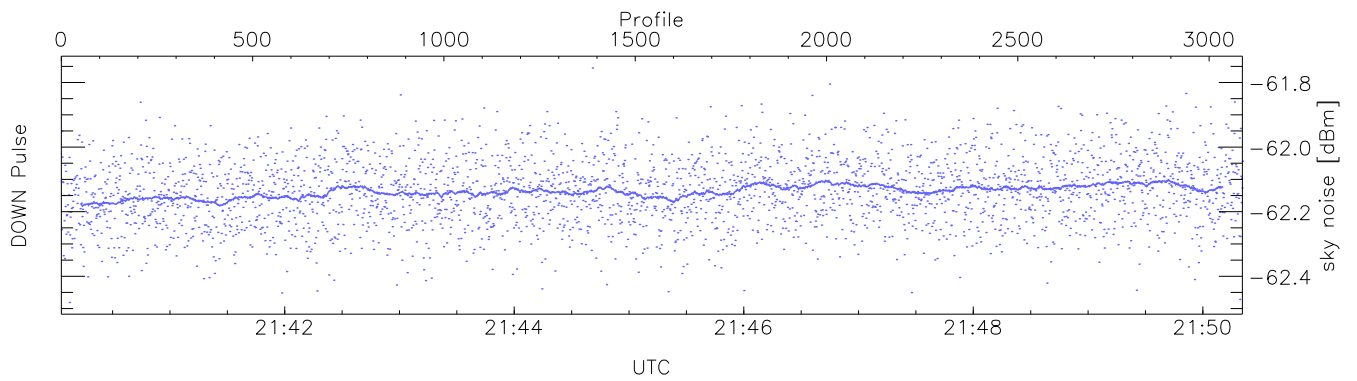
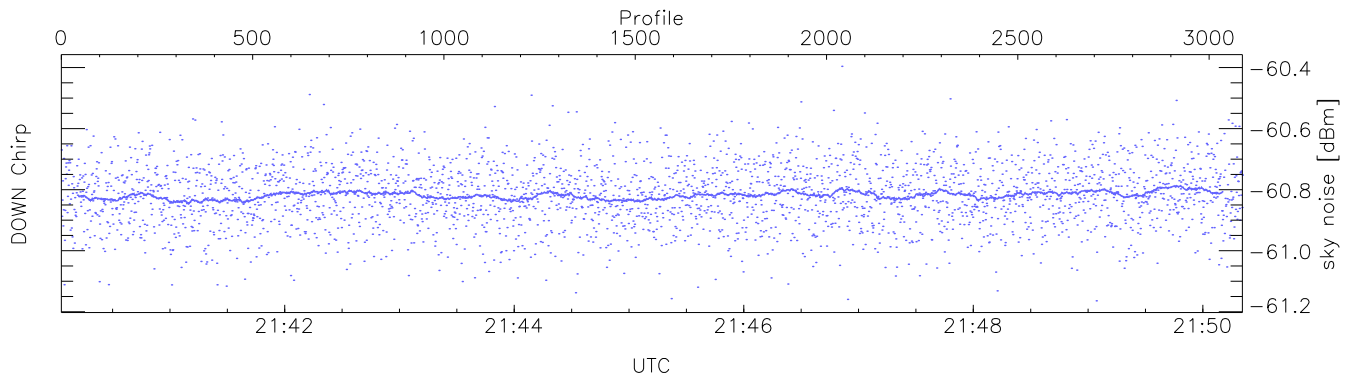
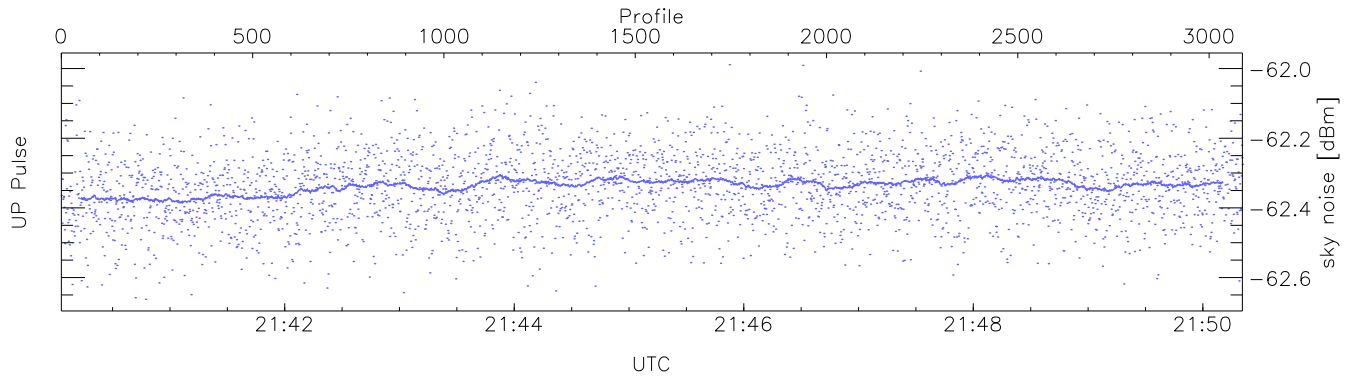
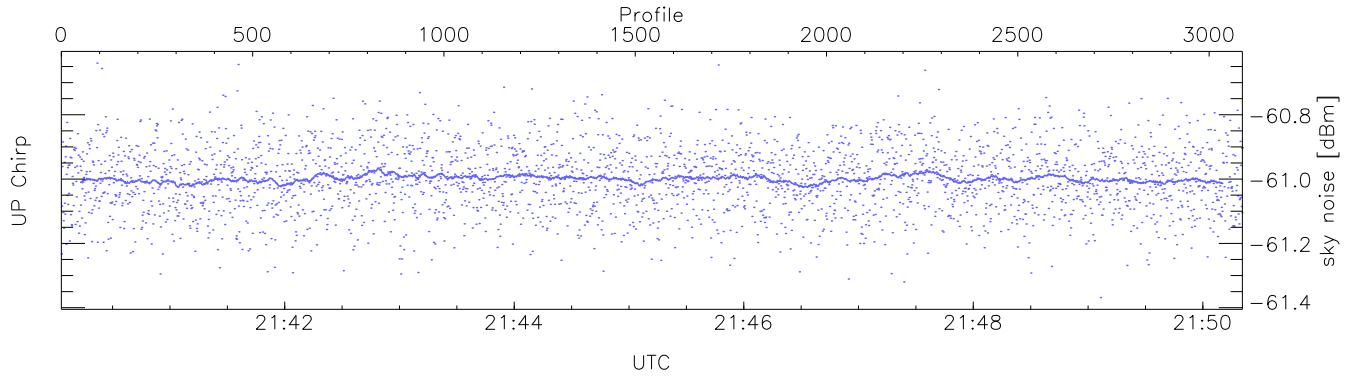


KPR SPP Receiver Gain and Noise Figure



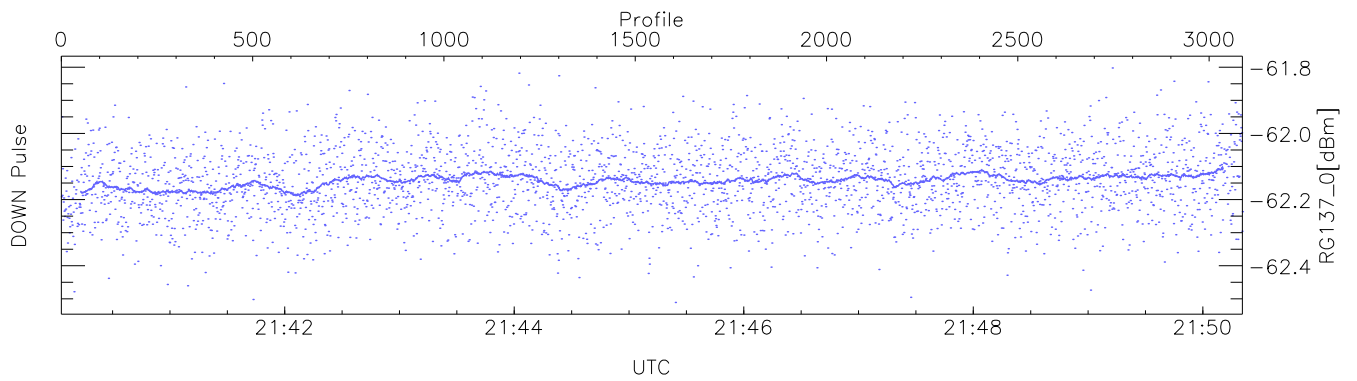
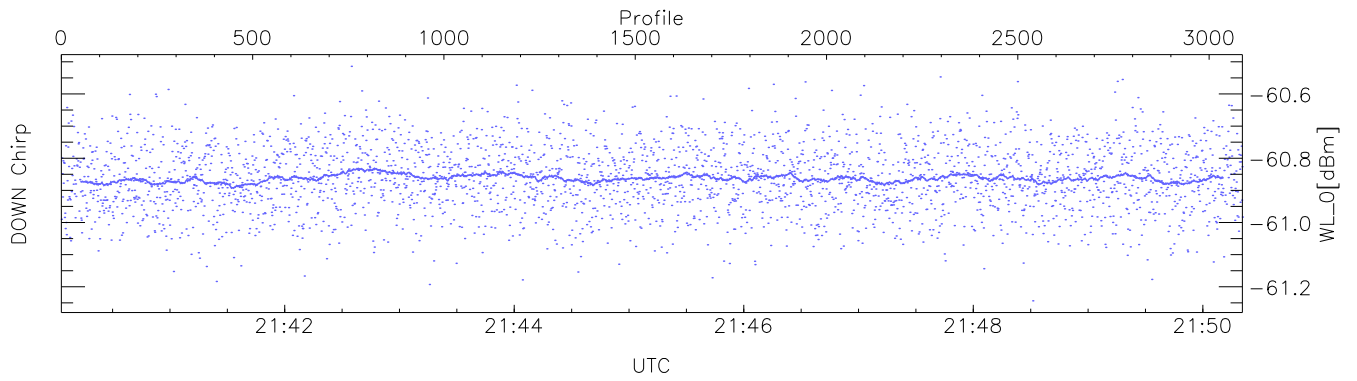
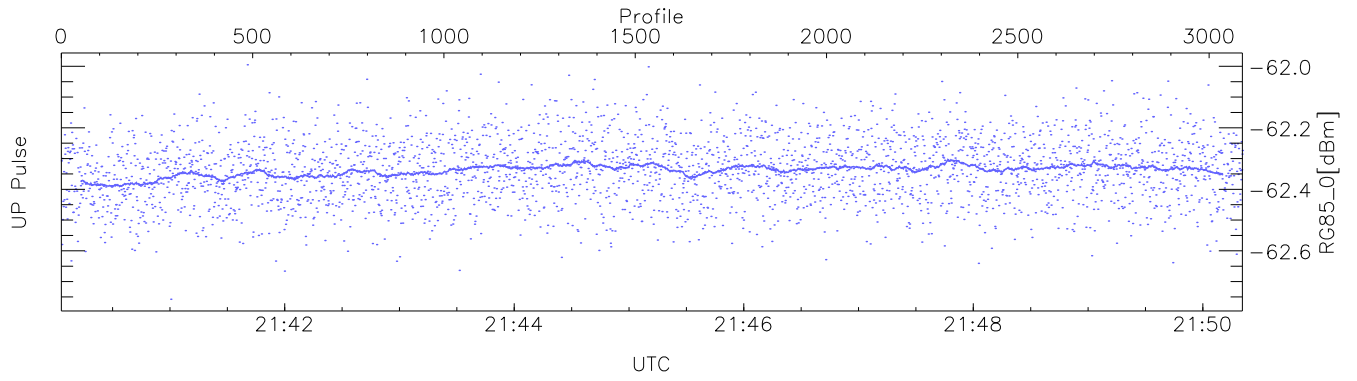
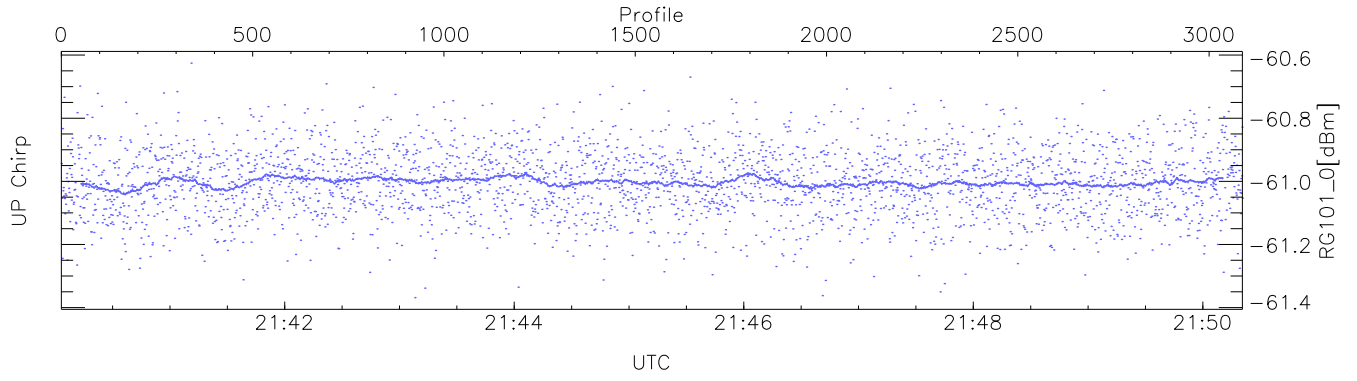
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-61.22	-60.51	-60.86	-60.86	-77.14
Chirp(HL [dBm])	-60.19	-59.64	-59.89	-59.90	-77.12
Pulse(WL [dBm])	-62.46	-61.74	-62.04	-62.04	-78.30
Pulse(HL [dBm])	-61.83	-61.24	-61.55	-61.55	-78.62



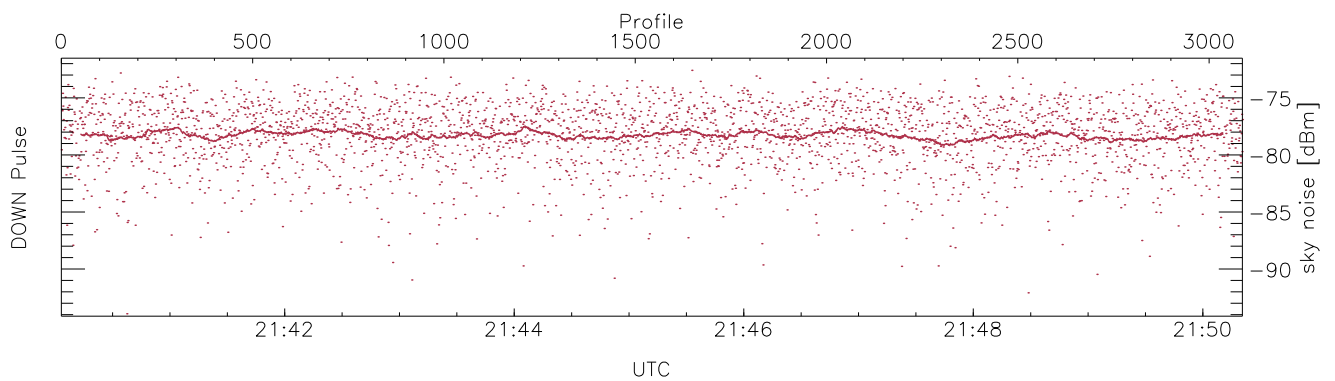
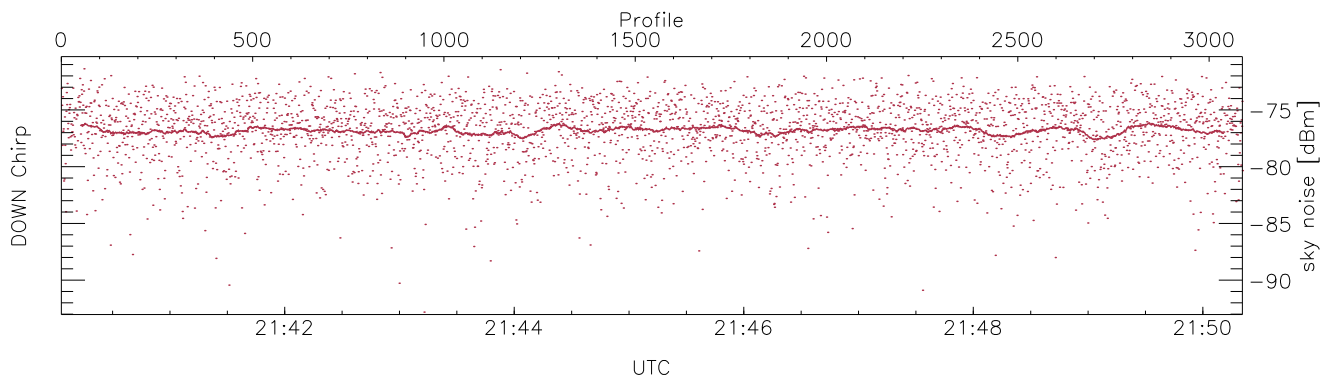
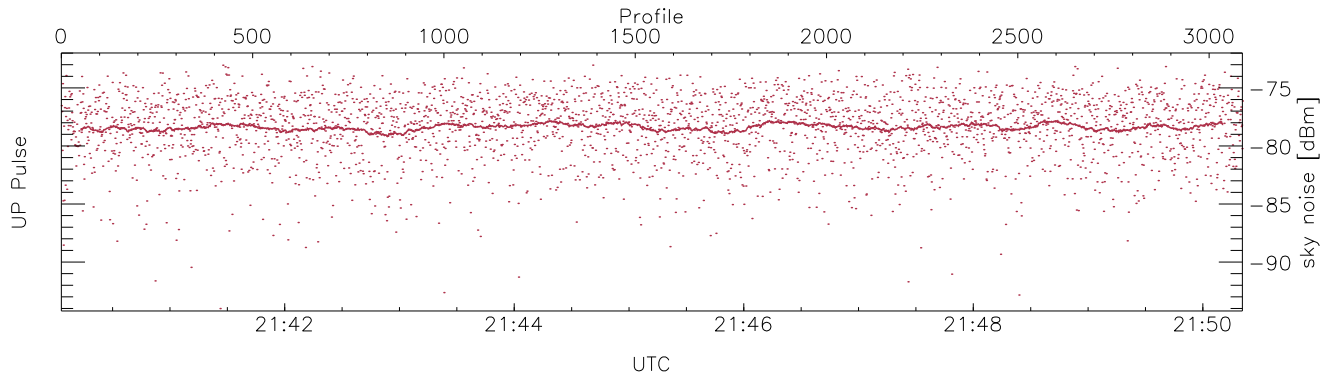
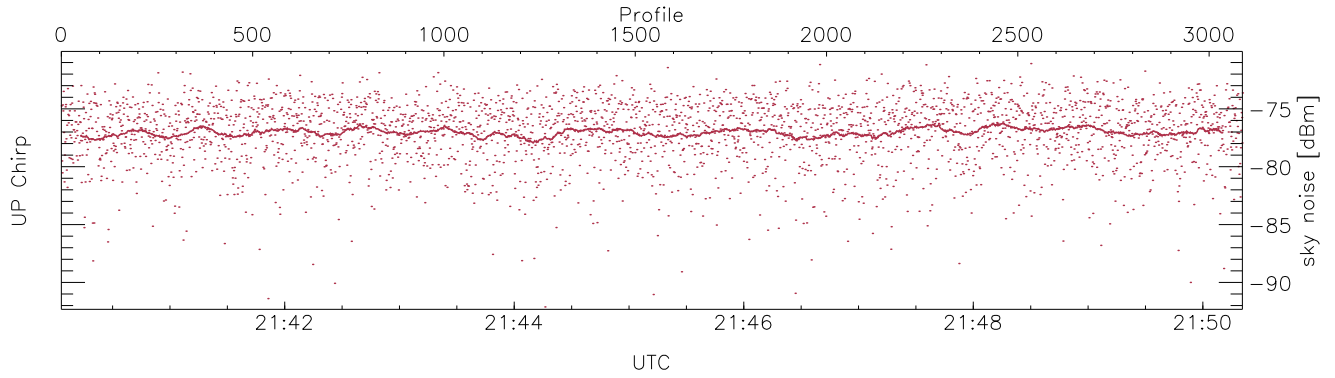
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-61.37	-60.64	-61.00	-61.00	-77.33
UP Pulse(dBm)	-62.66	-61.99	-62.34	-62.33	-78.72
DOWN Chirp(dBm)	-61.16	-60.40	-60.82	-60.82	-77.16
DOWN Pulse(dBm)	-62.48	-61.75	-62.14	-62.14	-78.41



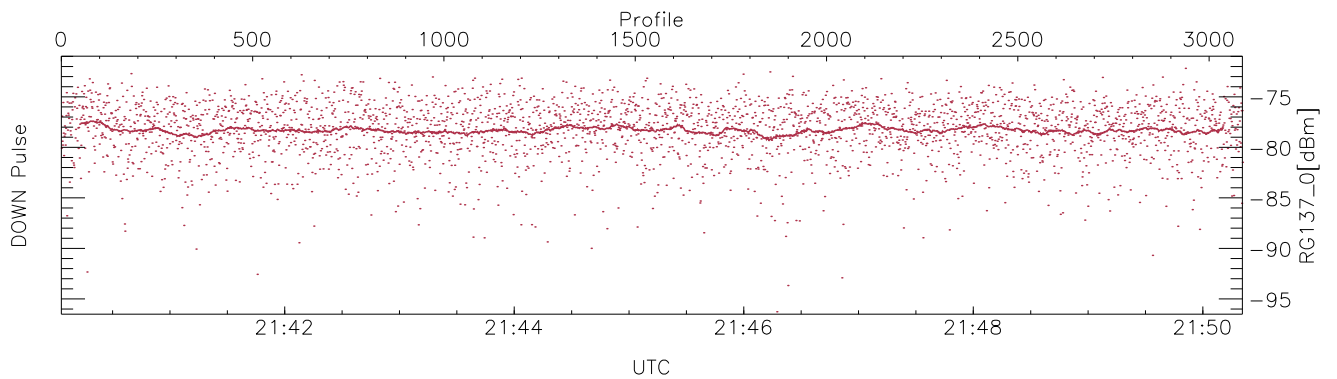
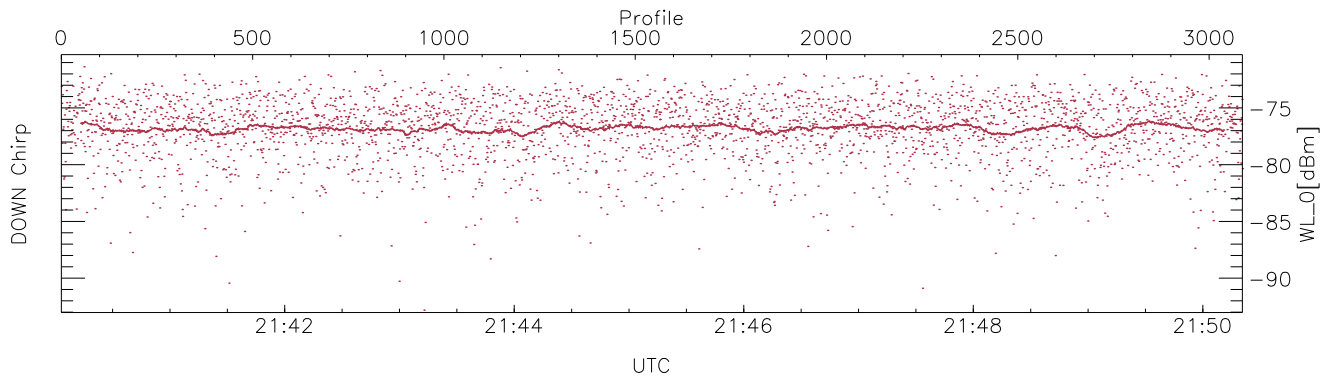
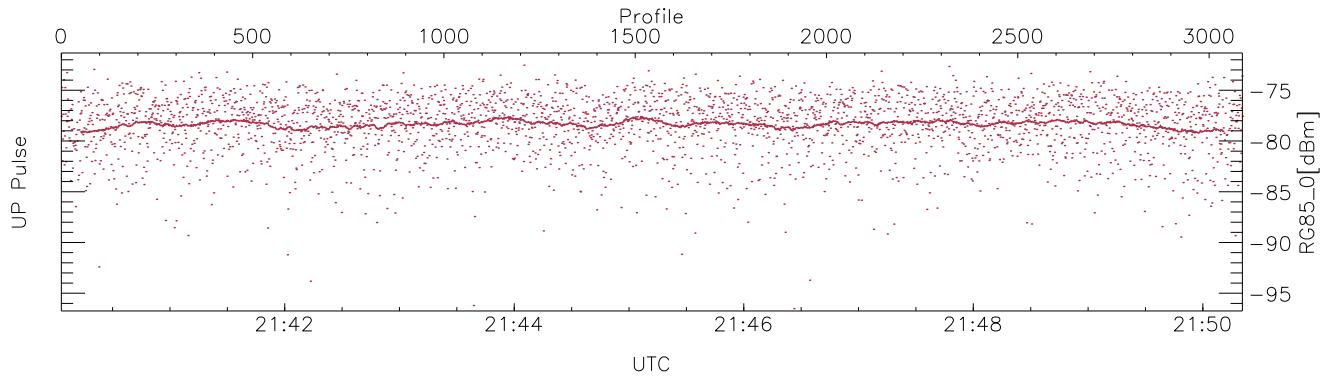
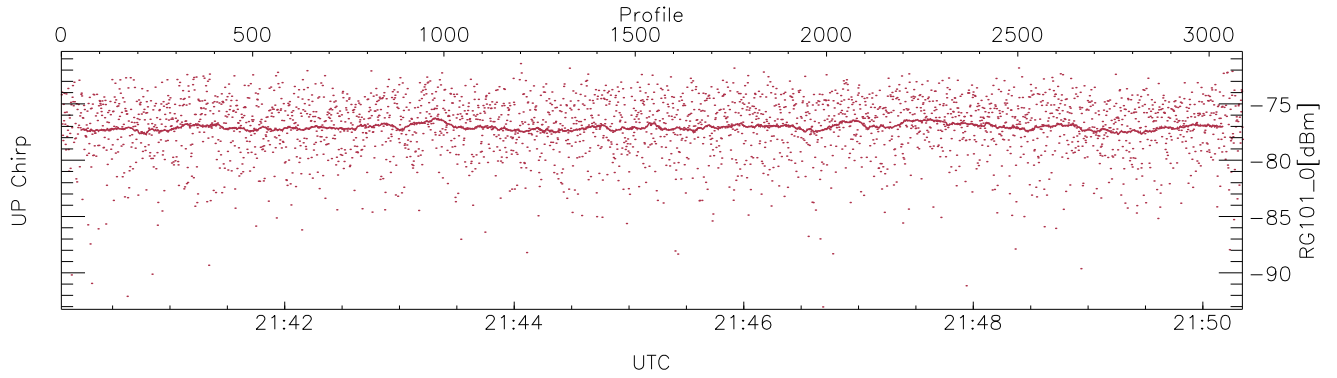
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG101_0	-61.37	-60.63	-61.00	-61.00	-77.21
UP_P_RG85_0	-62.76	-61.99	-62.34	-62.34	-78.55
DOWN_C_WL_0	-61.24	-60.51	-60.86	-60.86	-77.15
DOWN_P_RG137_0	-62.51	-61.80	-62.14	-62.15	-78.47



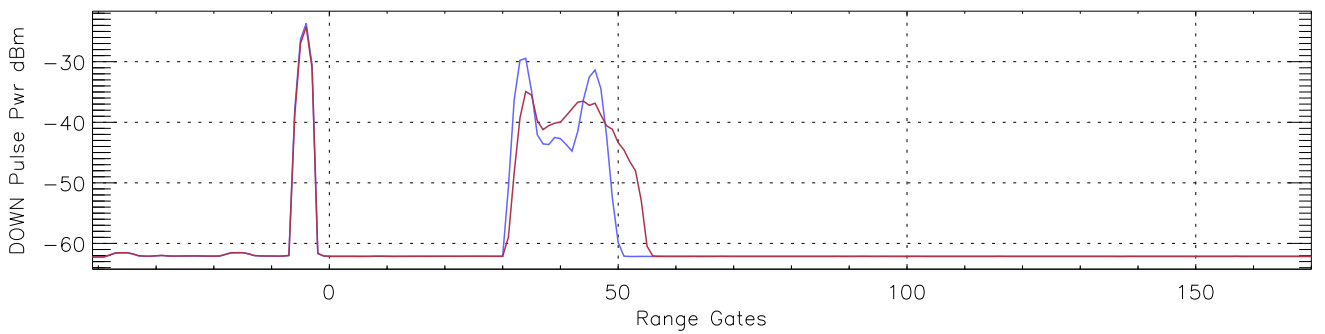
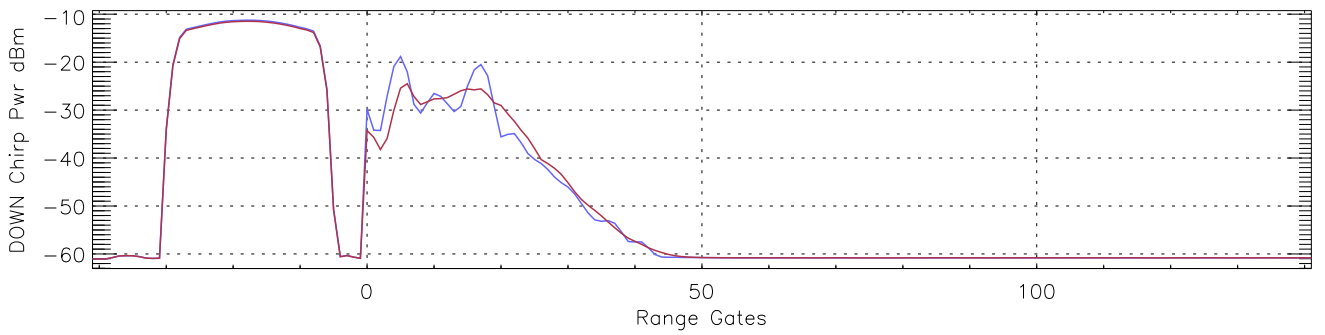
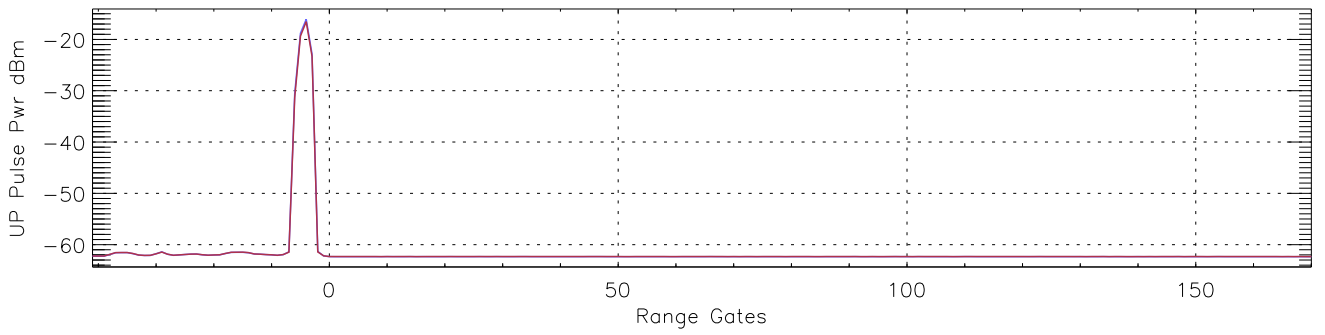
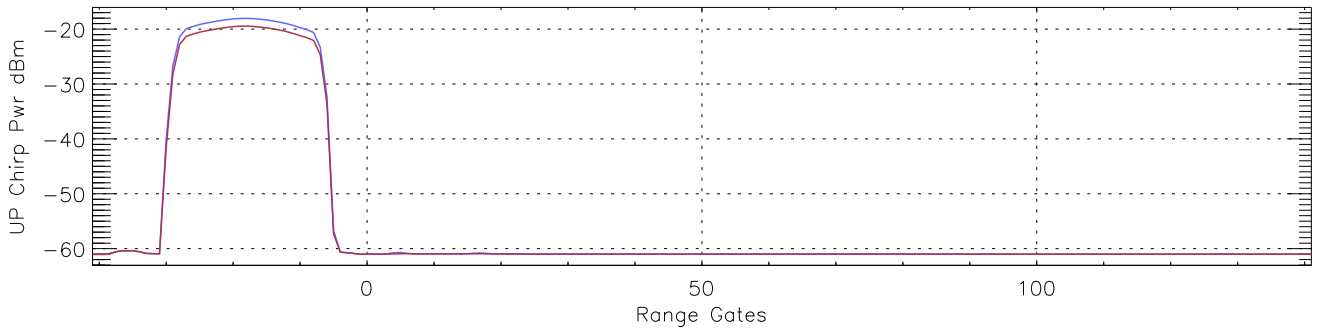
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-92.12	-71.09	-76.33	-76.55	-79.20
UP Pulse(dBm)	-94.01	-73.04	-77.65	-77.92	-80.44
DOWN Chirp(dBm)	-92.82	-71.37	-76.13	-76.36	-79.03
DOWN Pulse(dBm)	-93.92	-72.59	-77.55	-77.88	-80.33

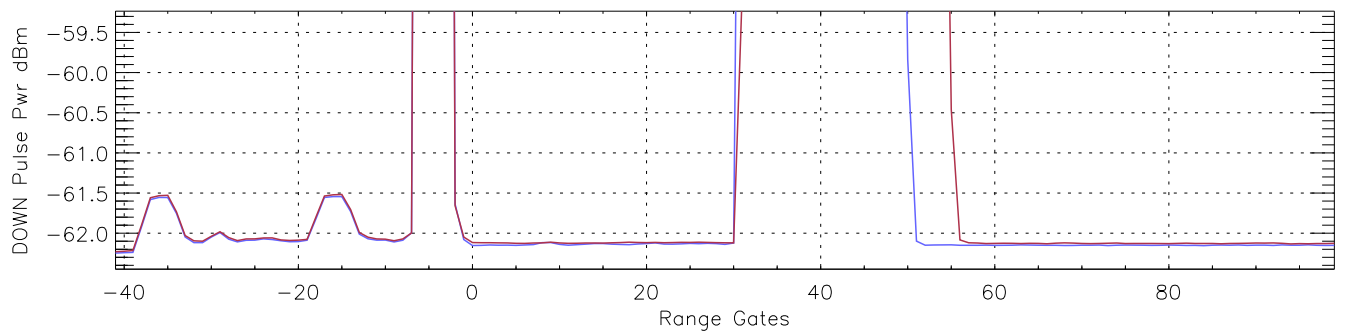
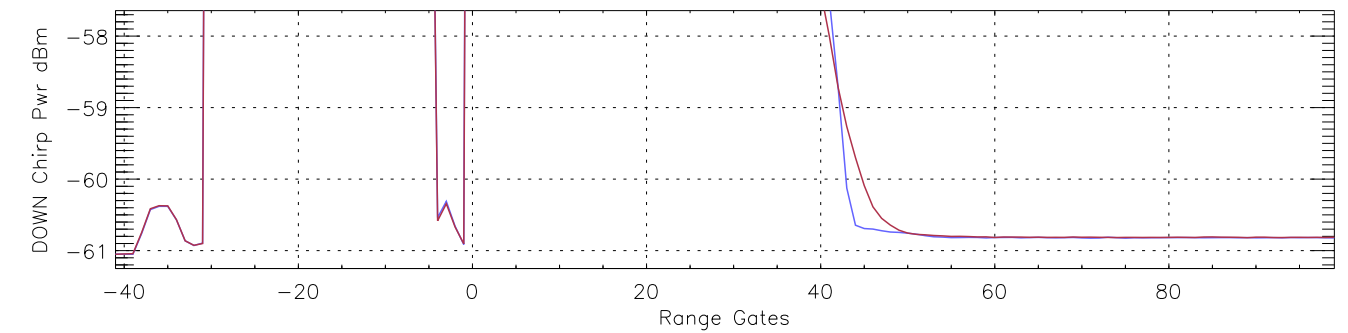
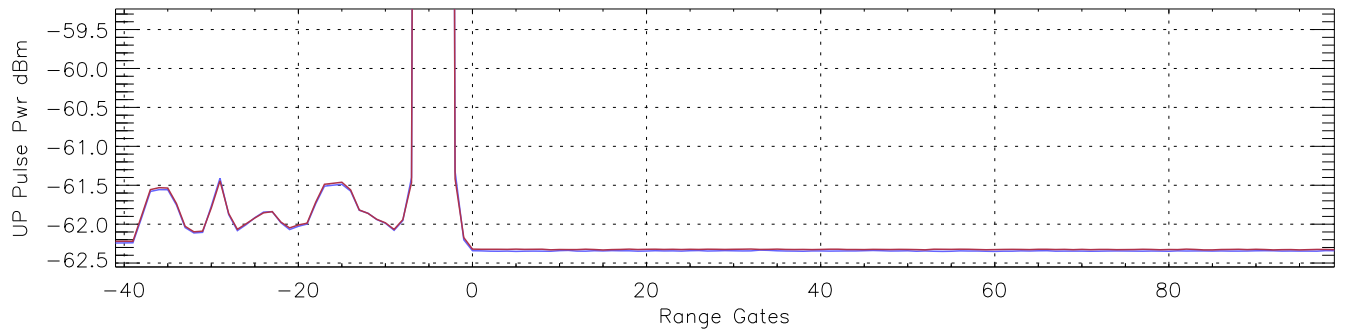
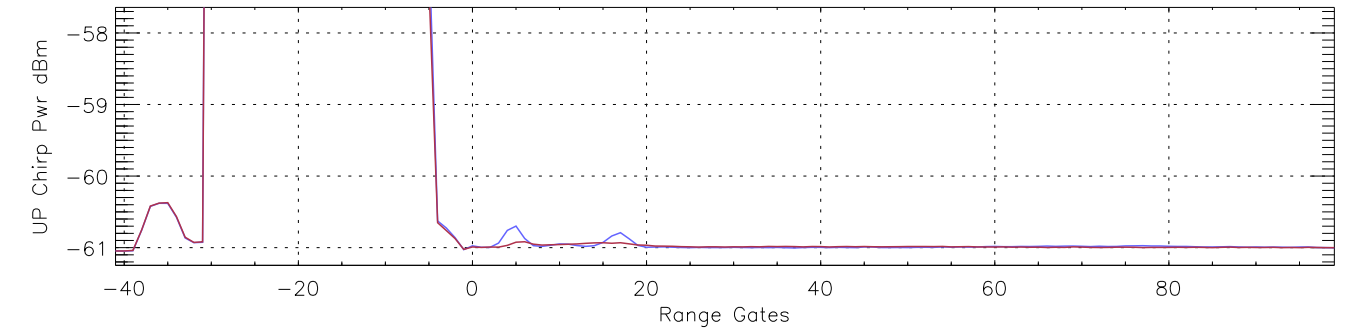


KPR SPP "Best" PPMAG noise (dBm):

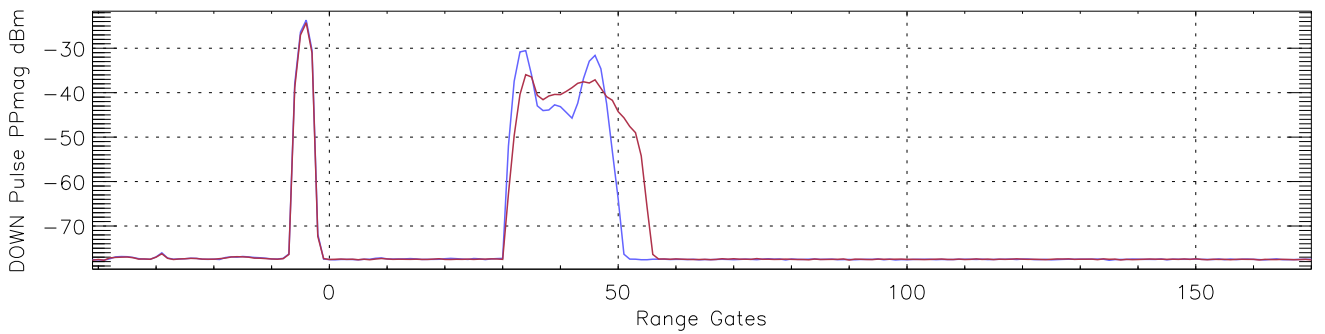
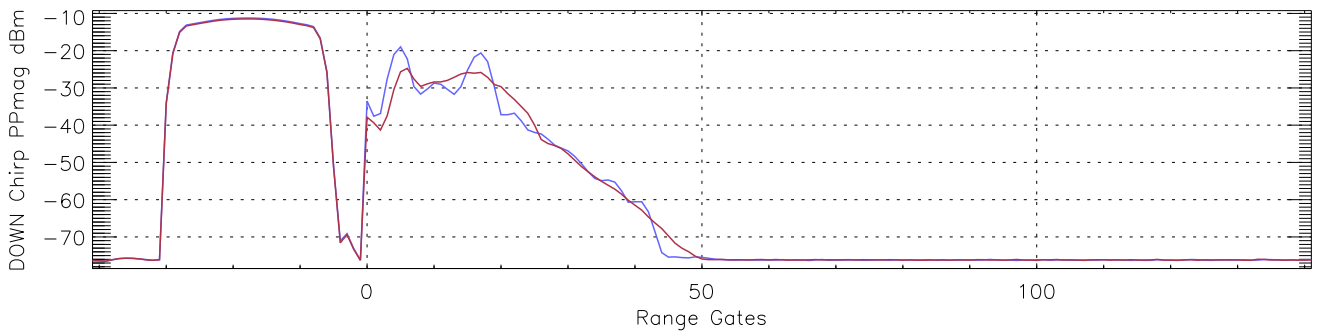
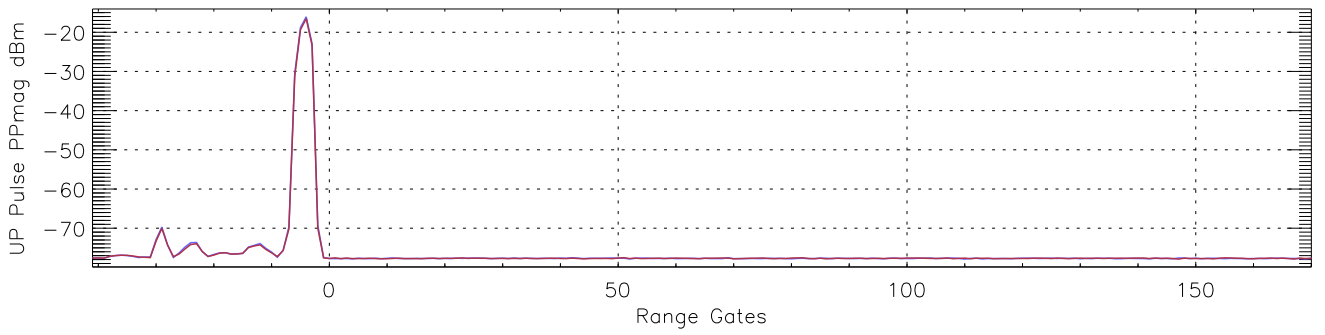
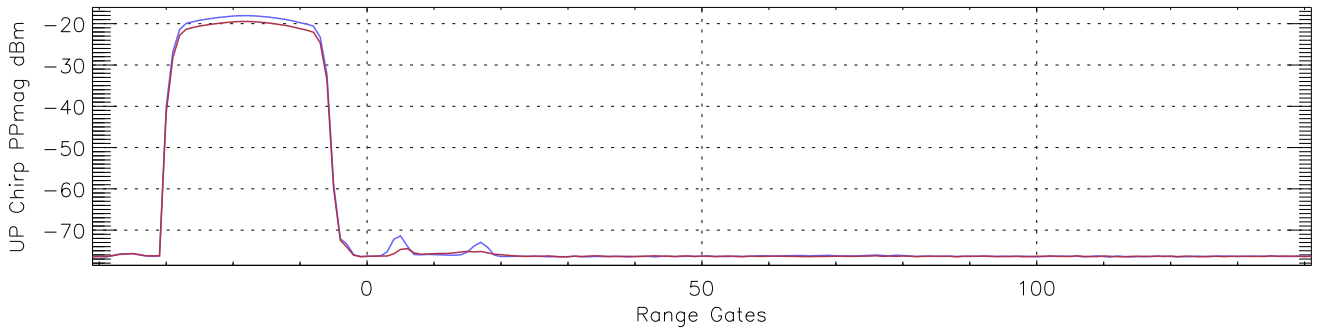
	Min	Max	Mean	Median	StDev
UP_C_RG101_0	-93.03	-71.42	-76.37	-76.57	-79.24
UP_P_RG85_0	-96.51	-72.53	-77.65	-77.87	-80.51
DOWN_C_WL_0	-92.82	-71.37	-76.13	-76.36	-79.03
DOWN_P_RG137_0	-96.27	-72.19	-77.57	-77.86	-80.30



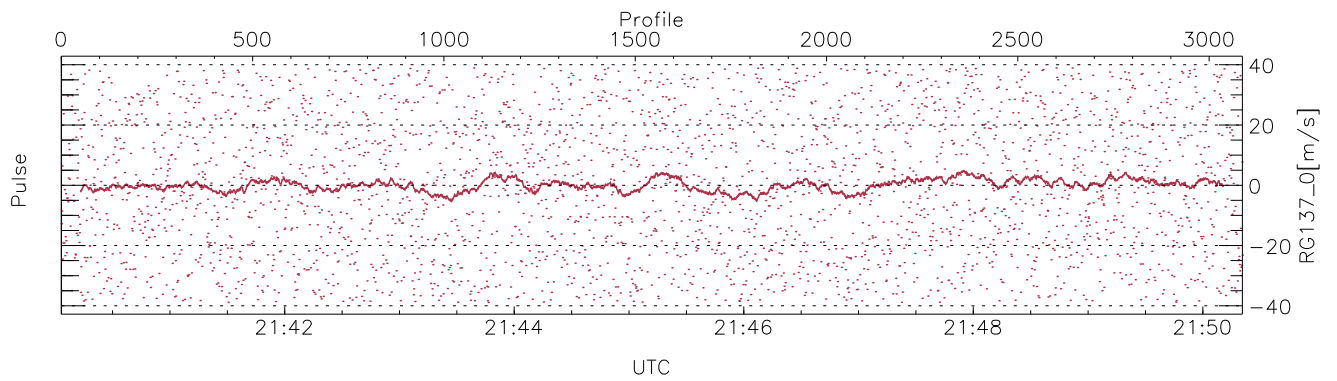
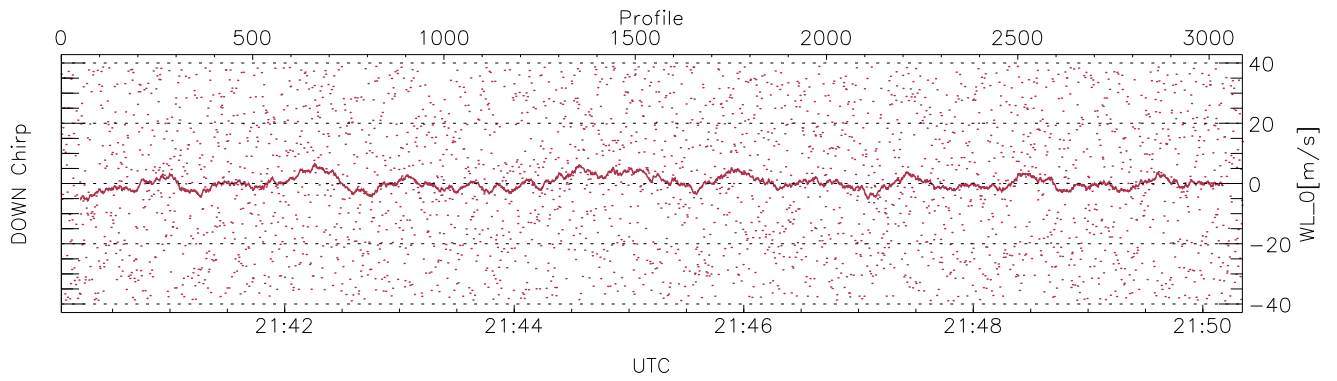
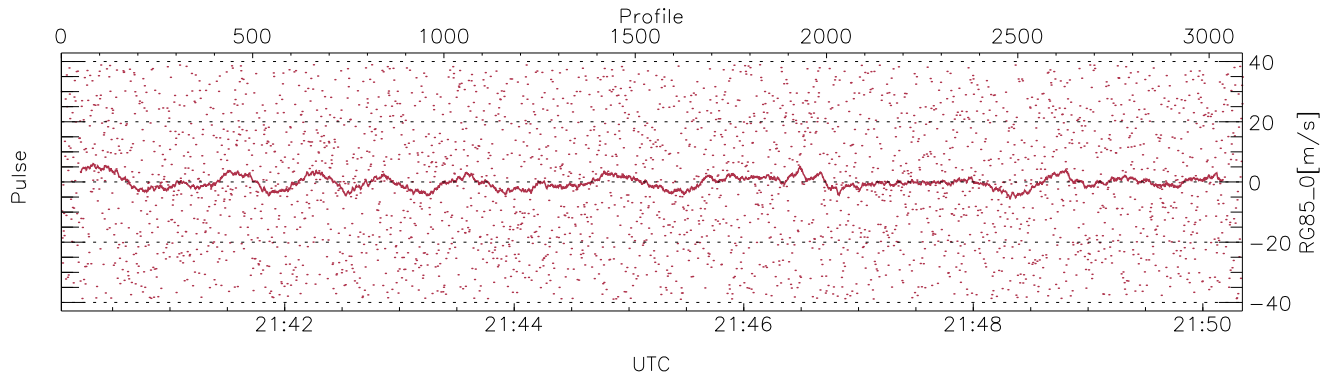
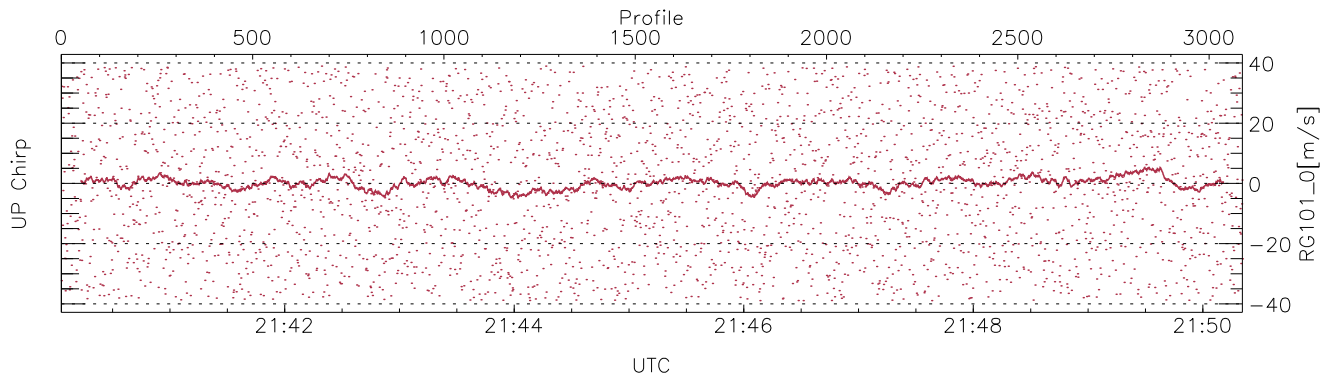
KPR SPP Averaged Received power for all recorded gates
blue: 214003-214511, 1545 profiles averaged
red: 214511-215021, 1544 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 214003-214511, 1545 profiles averaged
red: 214511-215021, 1544 profiles averaged

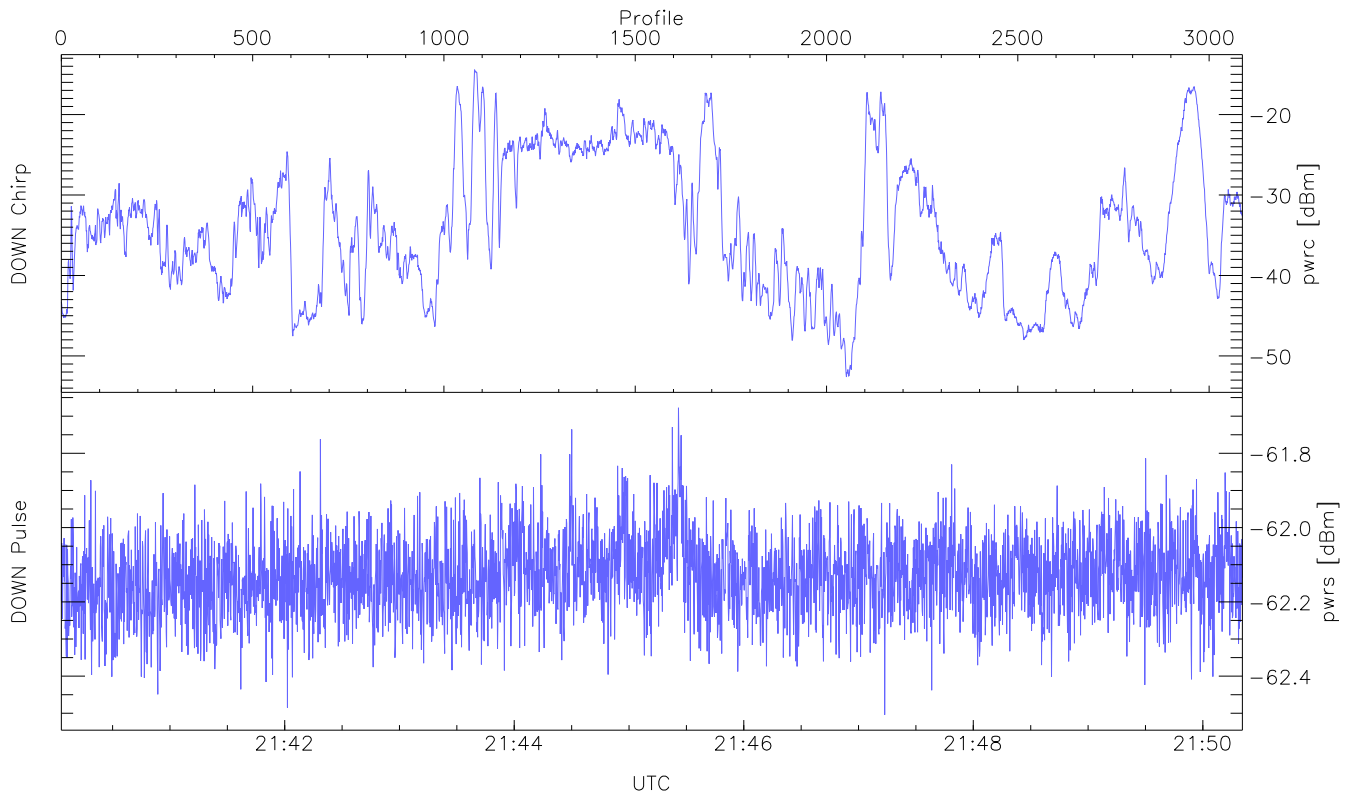
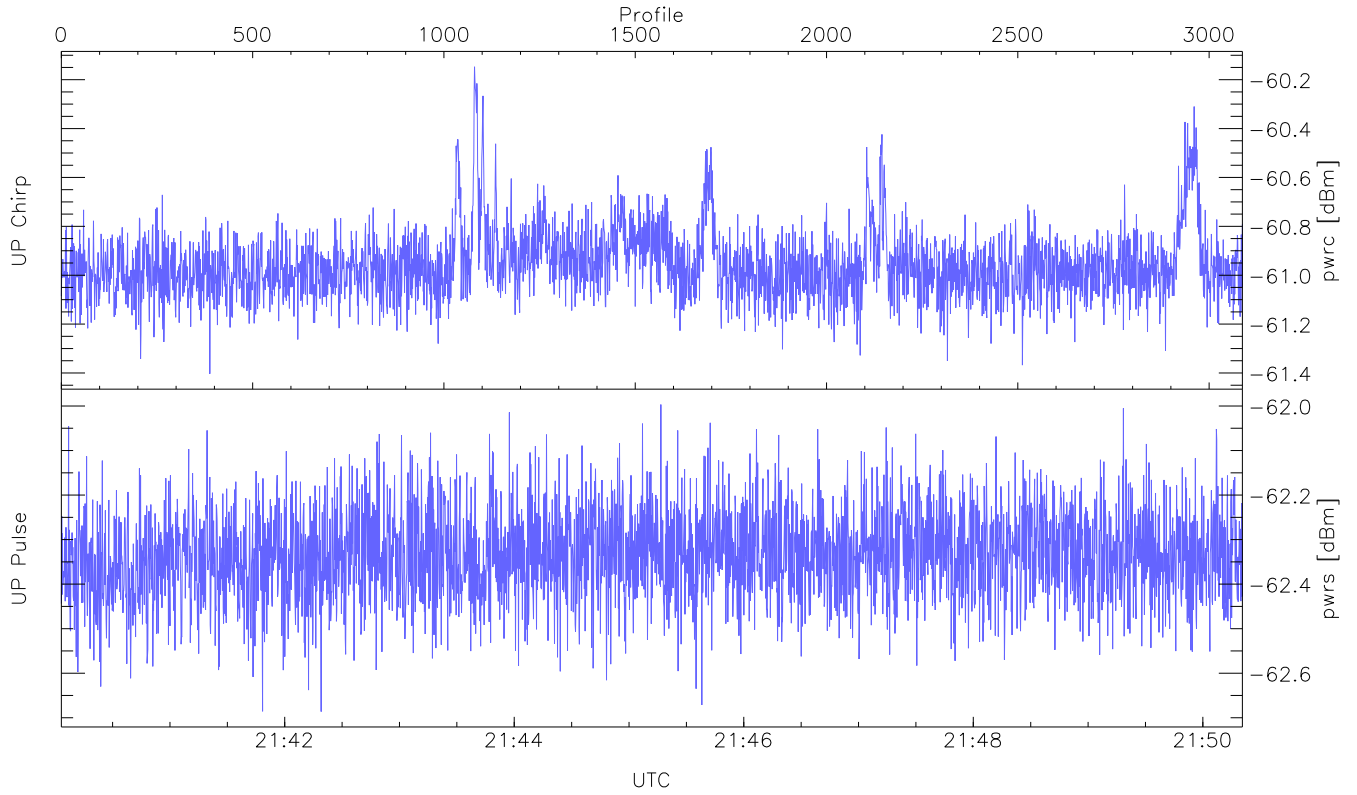


KPR SPP Averaged PP magnitude for all recorded gates
blue: 214003-214511, 1545 profiles averaged
red: 214511-215021, 1544 profiles averaged



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

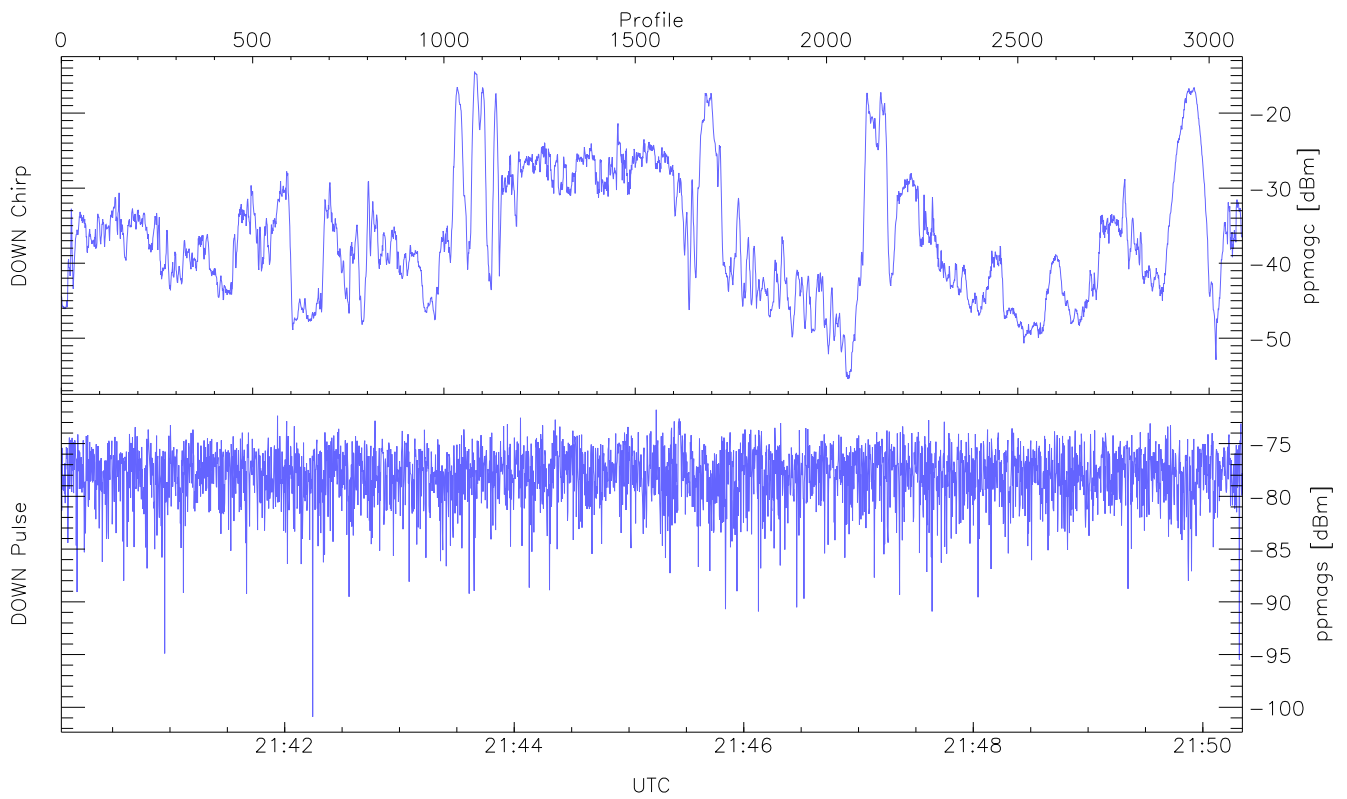
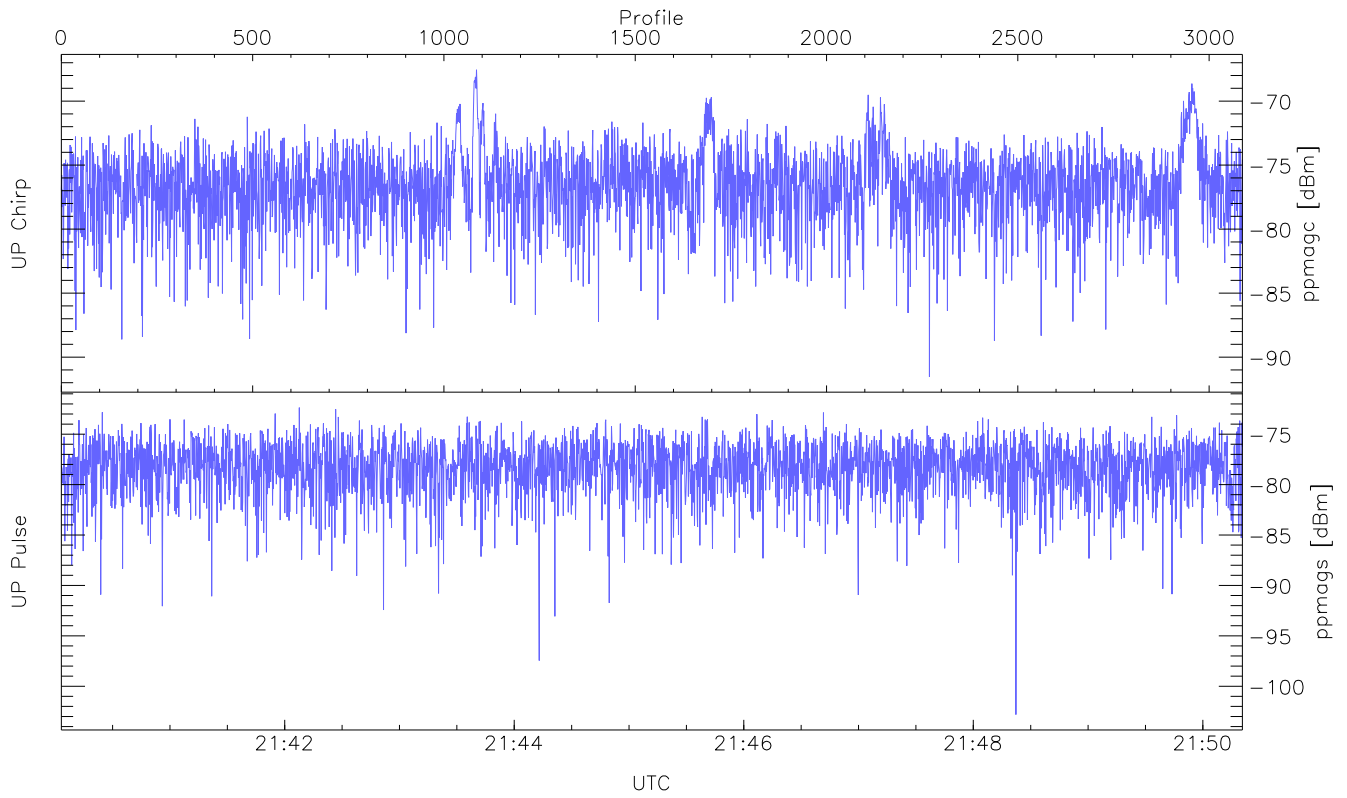
	Min	Max	Mean	Median	StDev
UP_C_RG101_0	-38.93	38.94	0.05	0.10	22.41
UP_P_RG85_0	-38.94	38.93	-0.13	-0.15	21.94
DOWN_C_WL_0	-38.94	38.91	0.05	-0.03	22.61
DOWN_P_RG137_0	-38.88	38.94	-0.08	-0.34	22.38



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

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

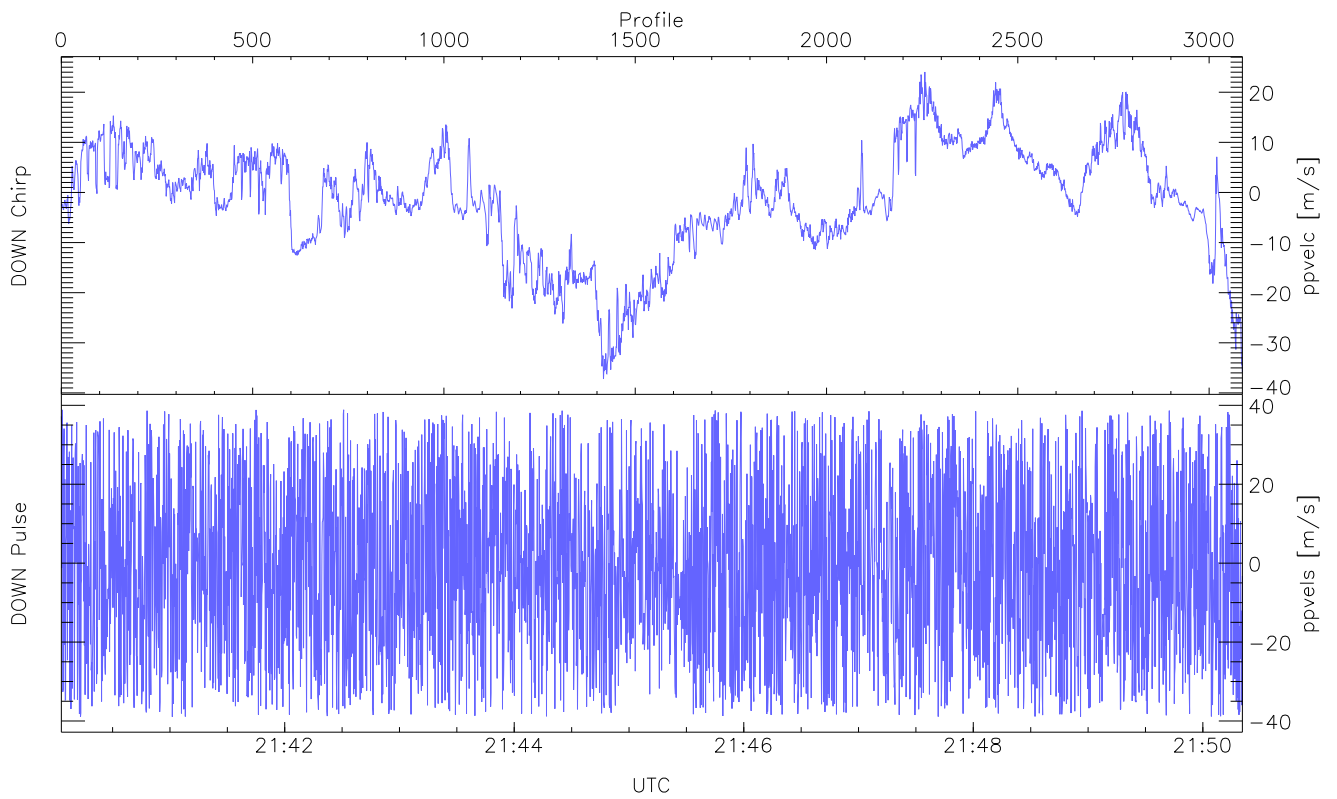
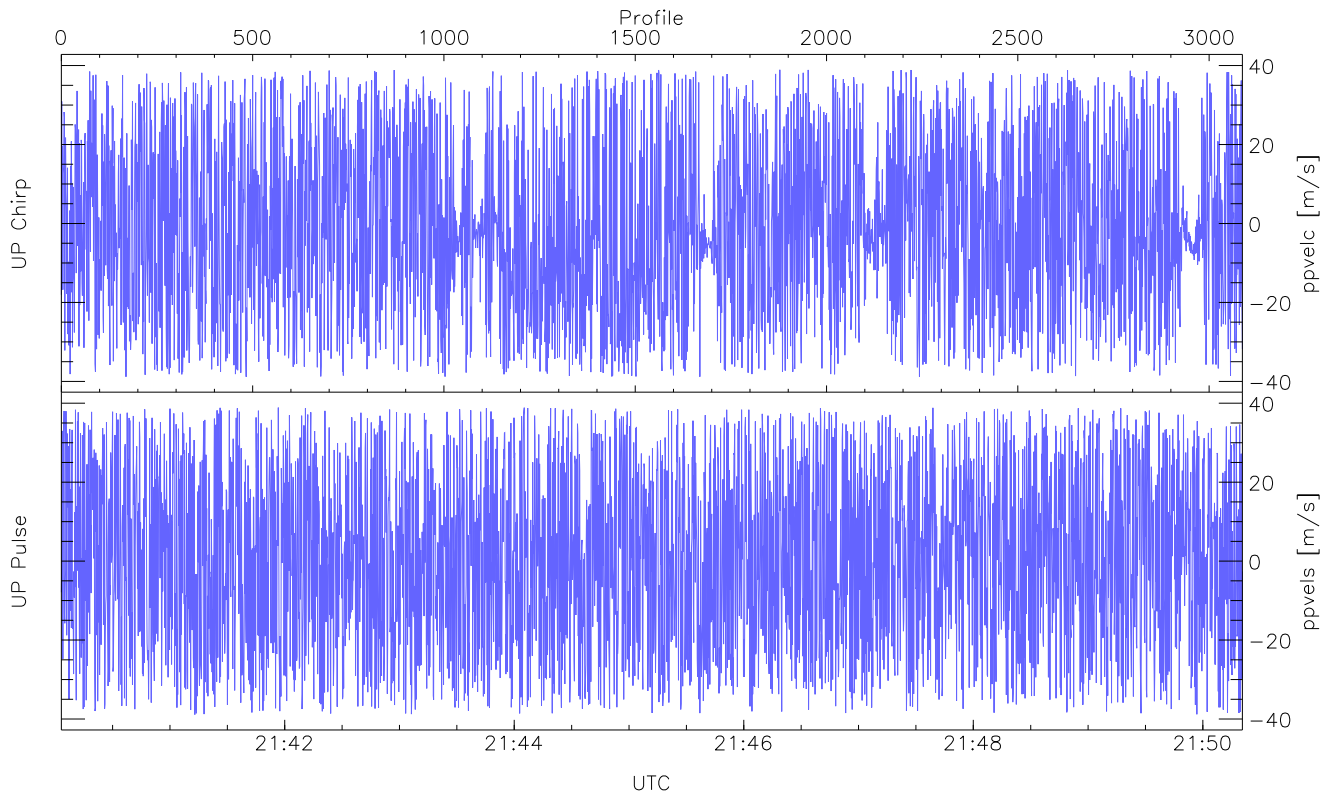
	Min	Max	Mean
UP Chirp(dBm)	-61.40	-60.15	-60.95
UP Pulse(dBm)	-62.69	-62.00	-62.33
DOWN Chirp(dBm)	-52.62	-14.46	-27.07
DOWN Pulse(dBm)	-62.50	-61.68	-62.13



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

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

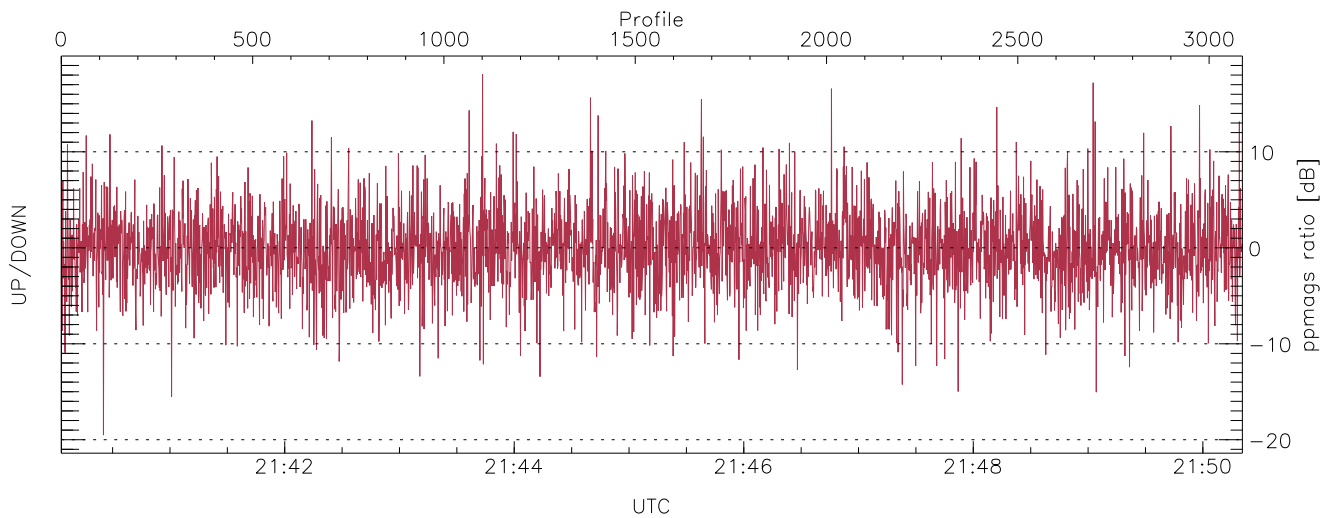
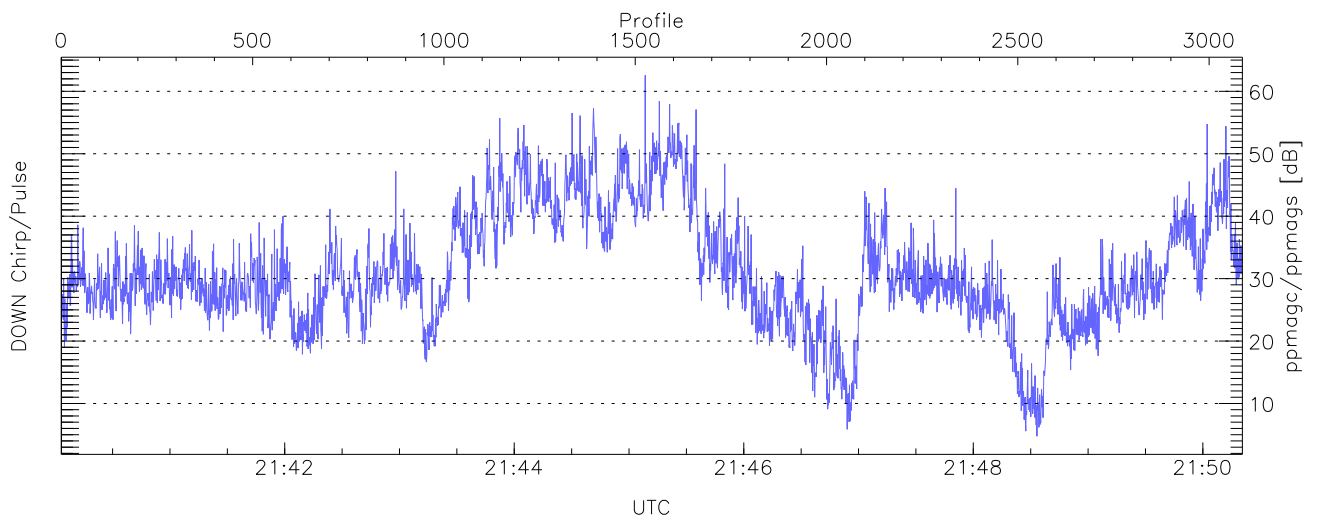
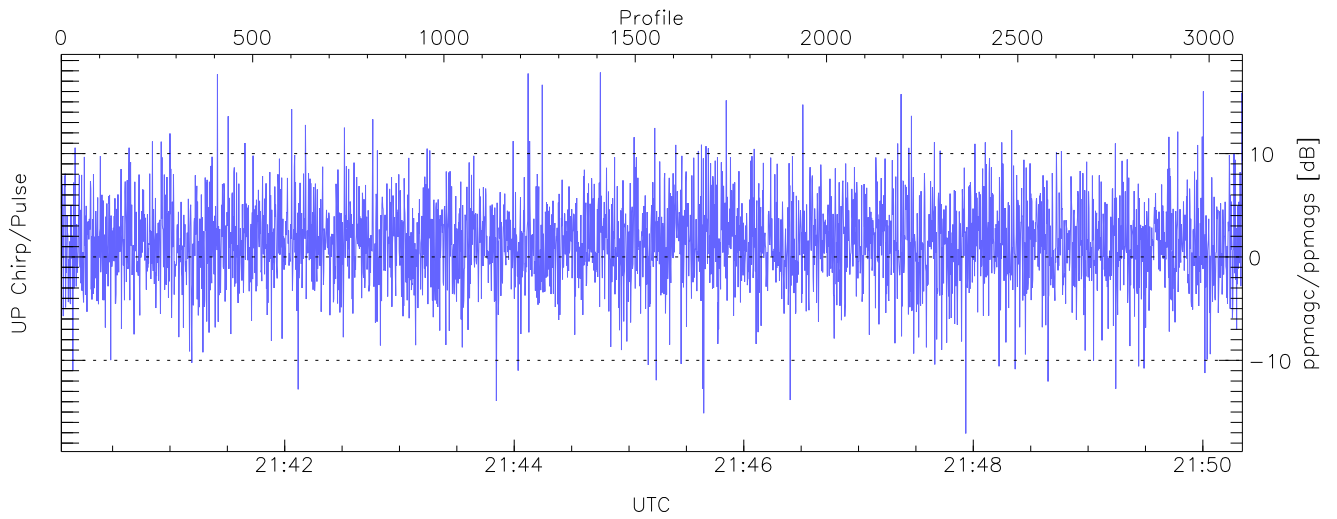
	Min	Max	Mean
UP Chirp(dBm)	-91.54	-67.55	-75.80
UP Pulse(dBm)	-102.81	-72.36	-77.73
DOWN Chirp(dBm)	-55.44	-14.52	-28.56
DOWN Pulse(dBm)	-100.90	-71.79	-77.40



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)	-38.84	38.93	-0.85
UP Pulse(m/s)	-38.89	38.91	0.54
DOWN Chirp(m/s)	-37.22	24.04	-1.48
DOWN Pulse(m/s)	-38.94	38.88	-1.05



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-17.07	17.84	3.34
DOWN Chirp/Pulse(dBm)	4.74	62.57	40.87
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-19.52	18.10	2.01