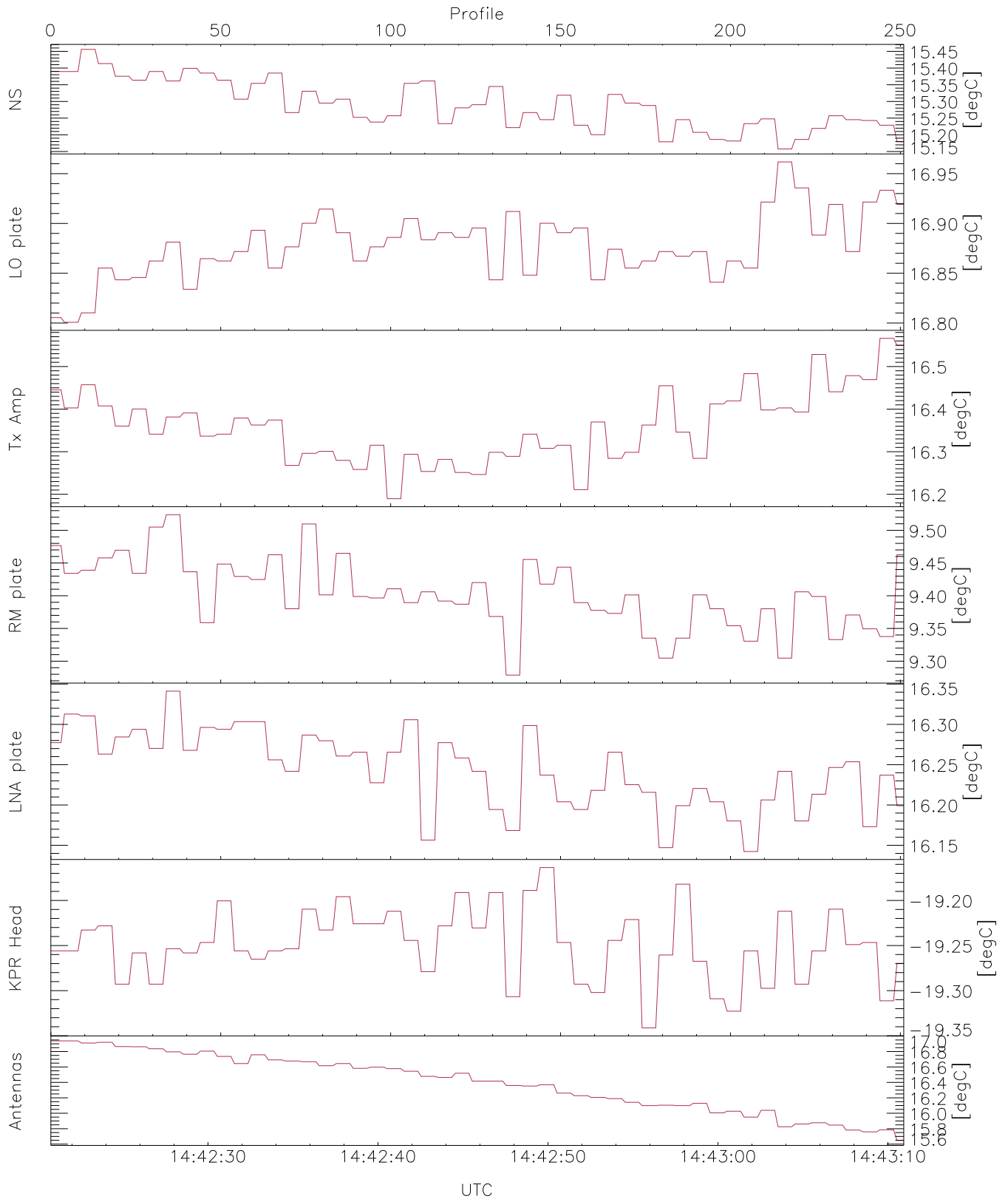


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 14:42:21-14:43:11, TimeCor: 0.00s, Dur: 50.18s
 TimeInt(min,max,mn,std): 199.7,200.2,199.9,0.0 ms; PPS: 5.0
 NumRec(r/t): 252/252, 0-251/14:42:21-14:43:11
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 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

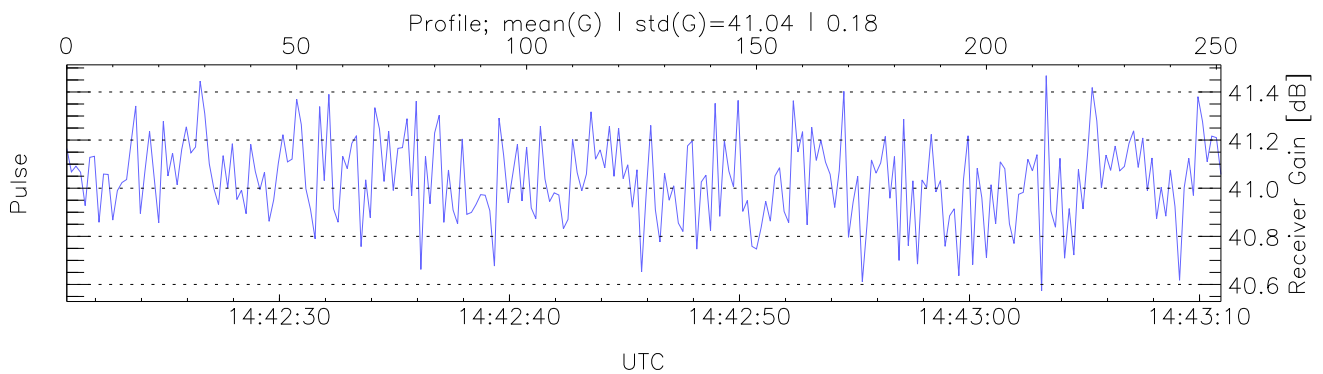
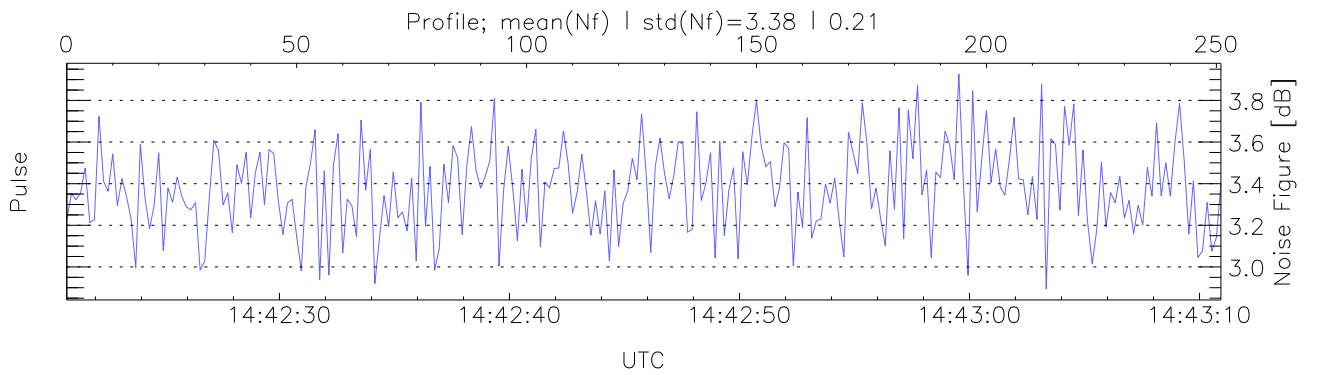
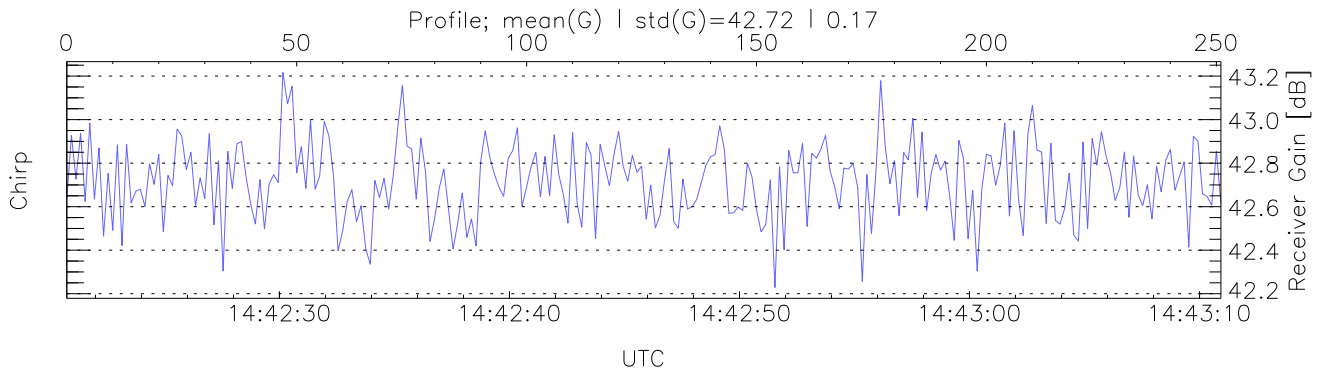
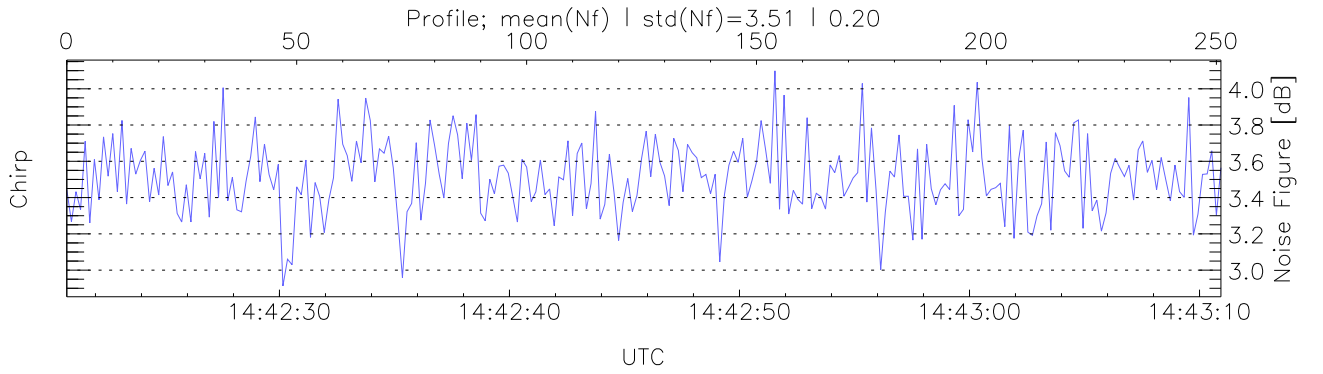


KPR SPP Temperatures, Power Supplies, PLO lock:

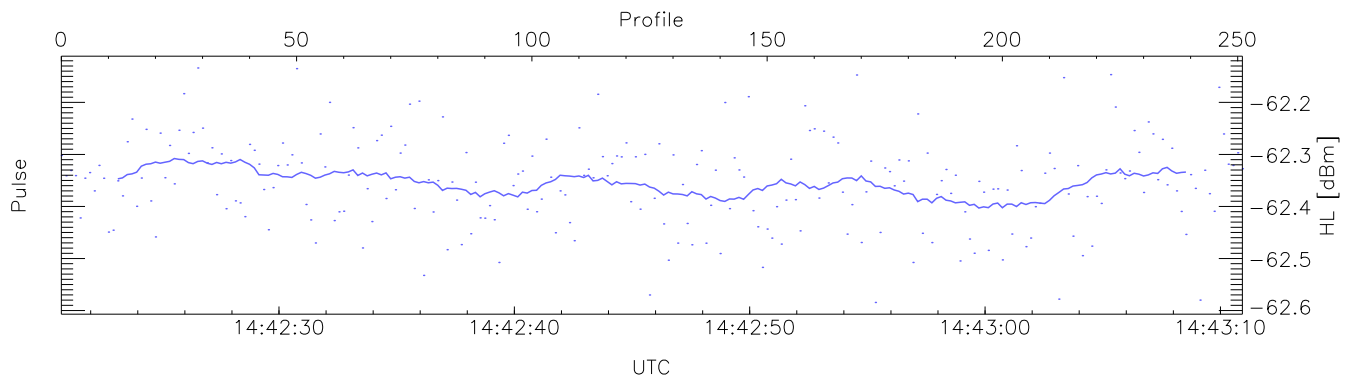
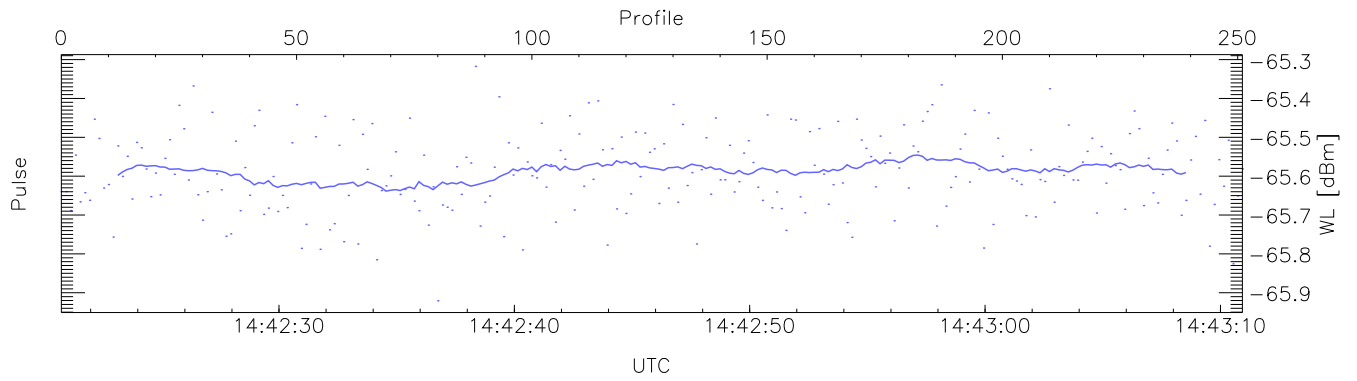
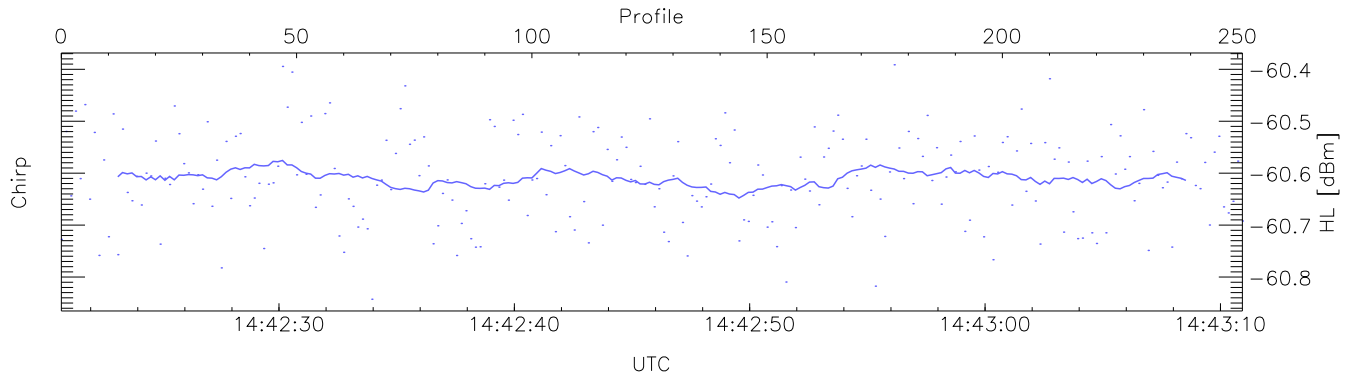
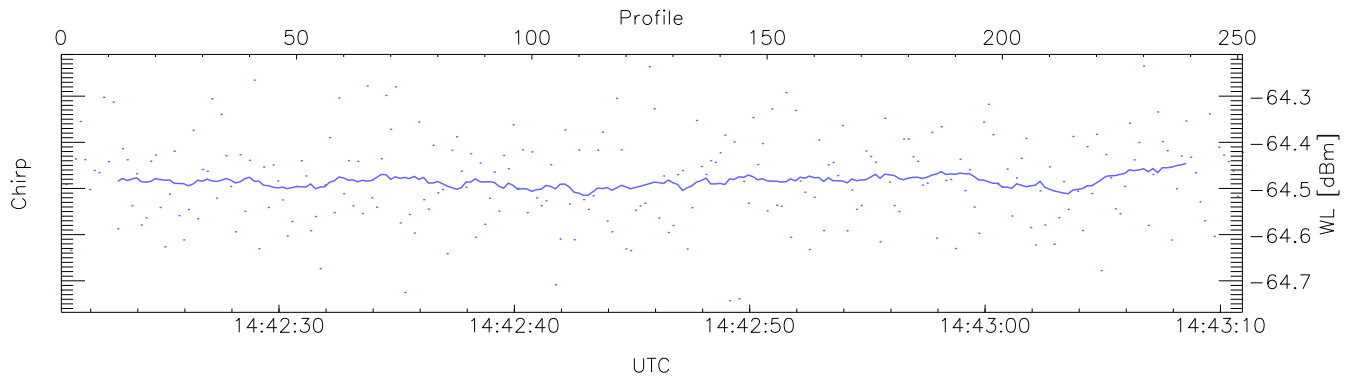
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	15.2,	16.8,	16.2,	9.3,	16.1,	-19.3,	15.6
maxtempC:	15.5,	17.0,	16.6,	9.5,	16.3,	-19.2,	16.9
meantempC:	15.3,	16.9,	16.4,	9.4,	16.2,	-19.2,	16.4

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.36,	11.68,	7.87,	5.21
maxVDC:	27.58,	11.75,	7.90,	5.23
meanVDC:	26.58,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

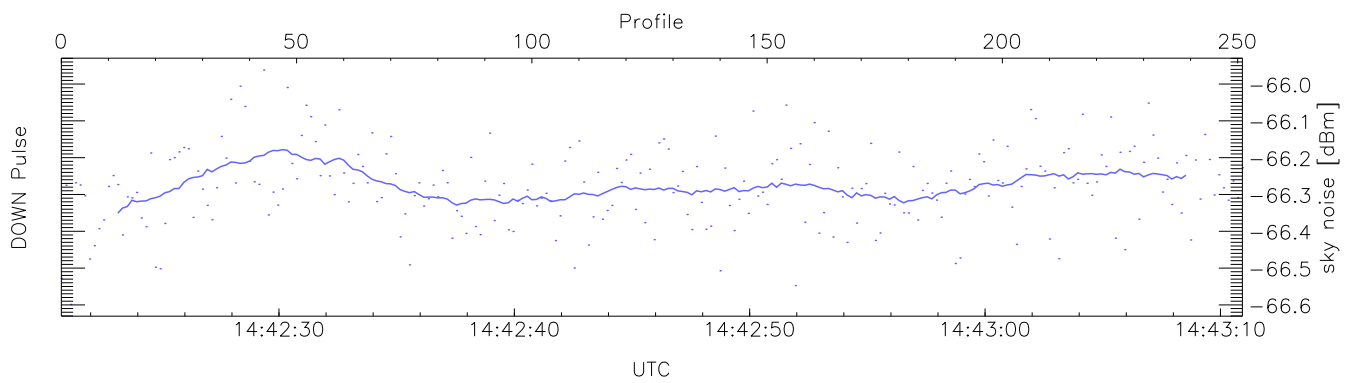
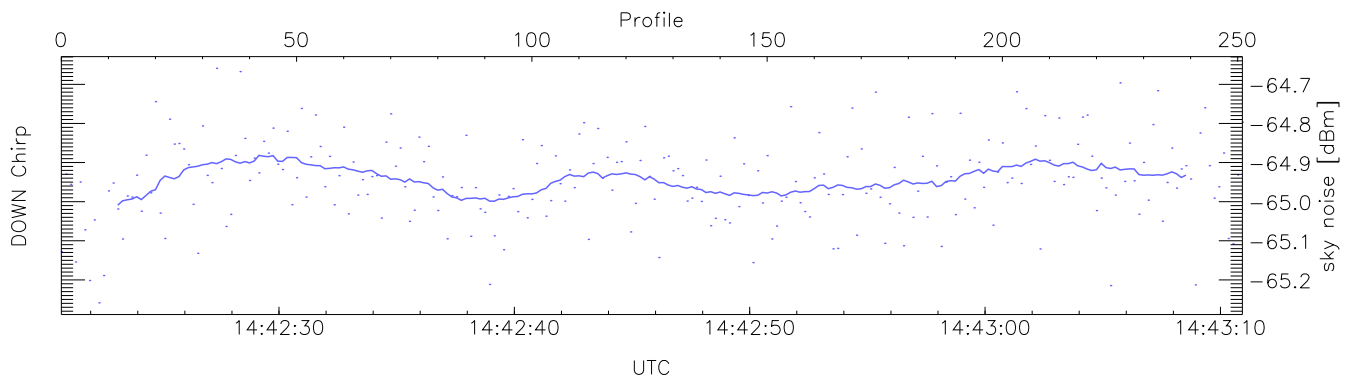
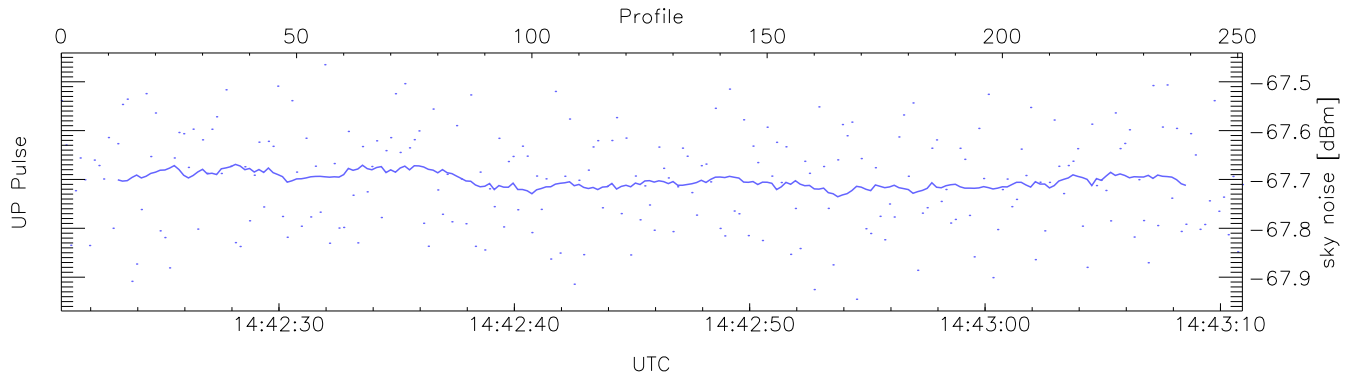
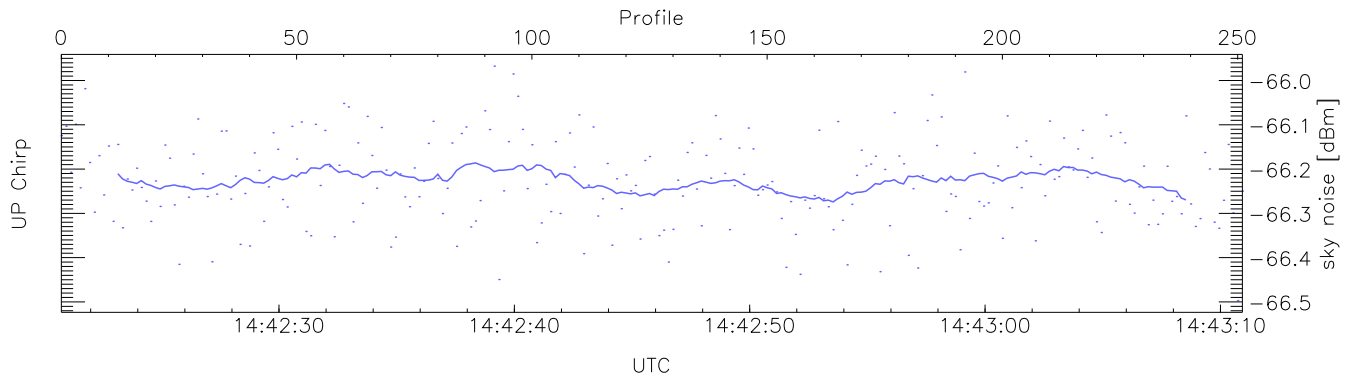


KPR SPP Receiver Gain and Noise Figure



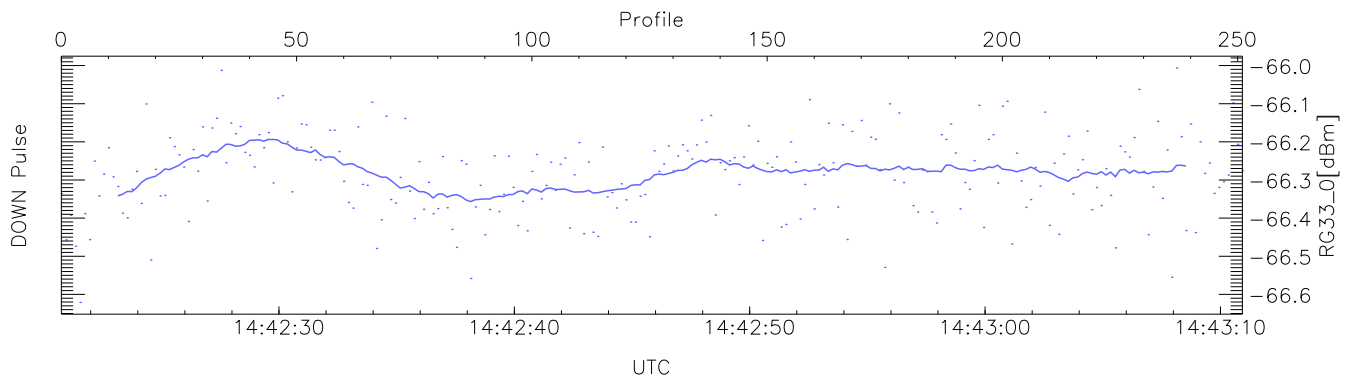
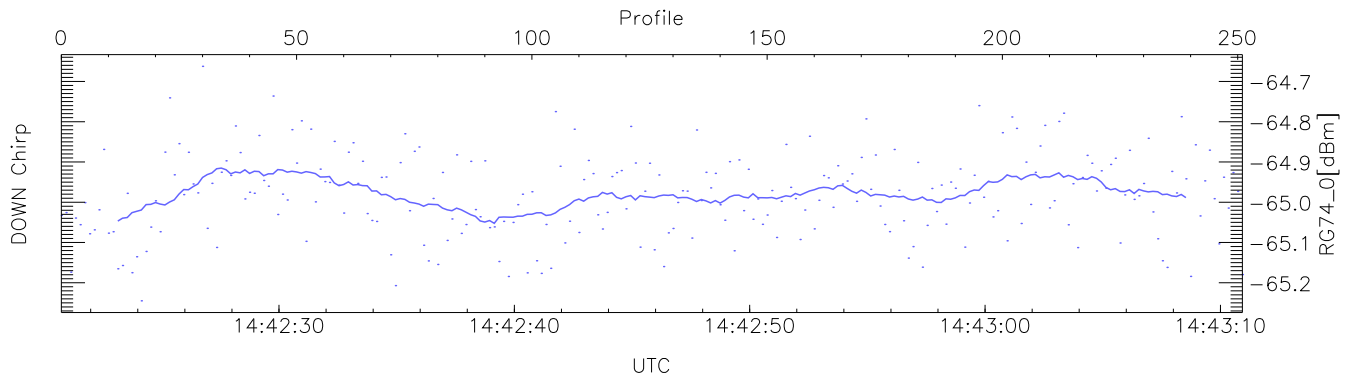
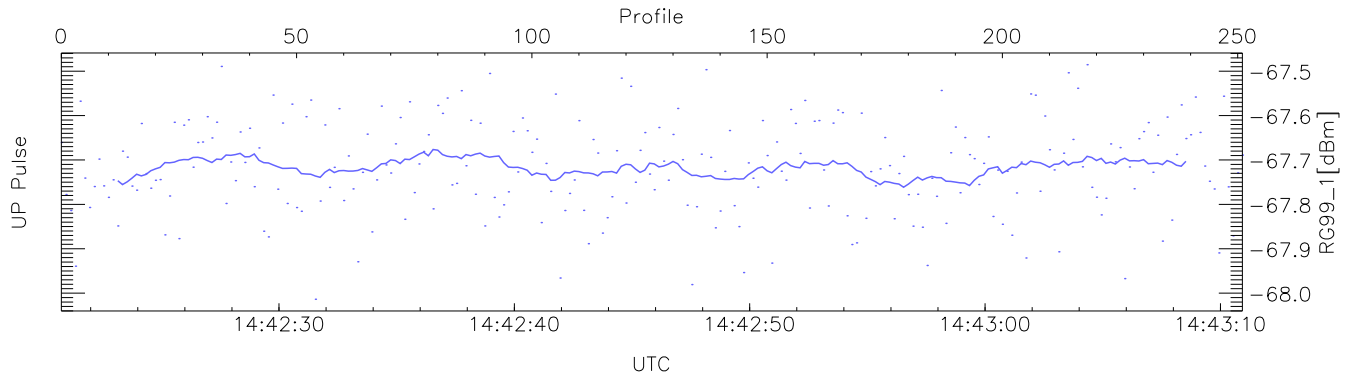
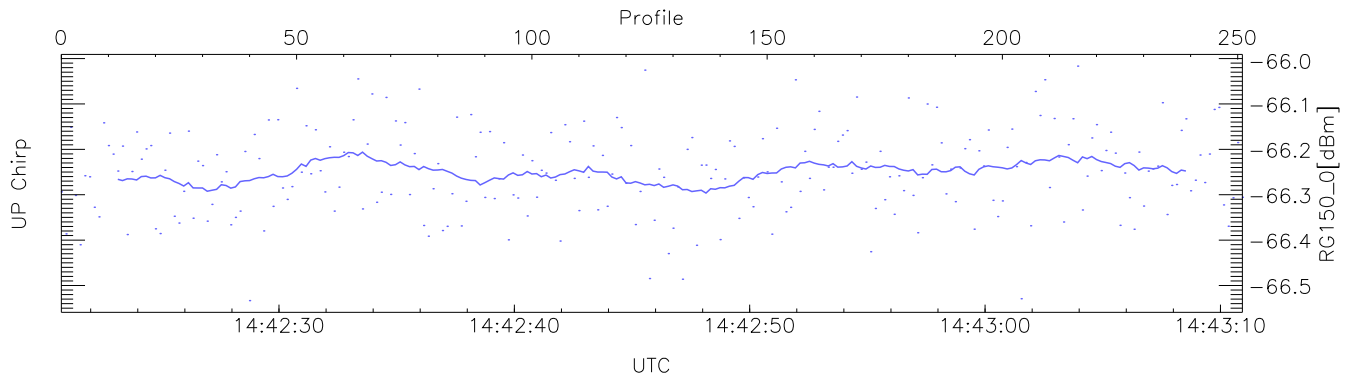
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-64.74	-64.23	-64.48	-64.48	-81.05
Chirp(HL [dBm])	-60.84	-60.39	-60.61	-60.61	-77.74
Pulse(WL [dBm])	-65.92	-65.32	-65.59	-65.60	-81.92
Pulse(HL [dBm])	-62.58	-62.13	-62.35	-62.35	-79.42



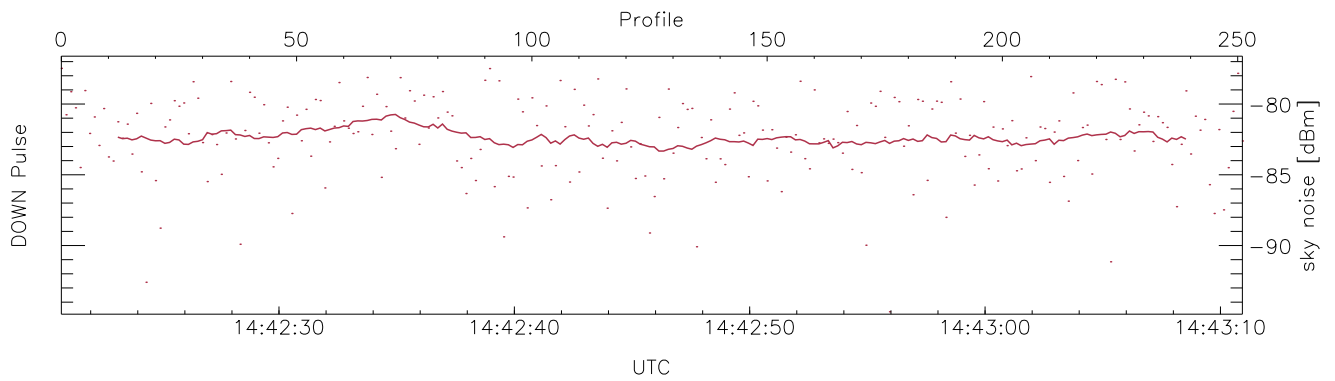
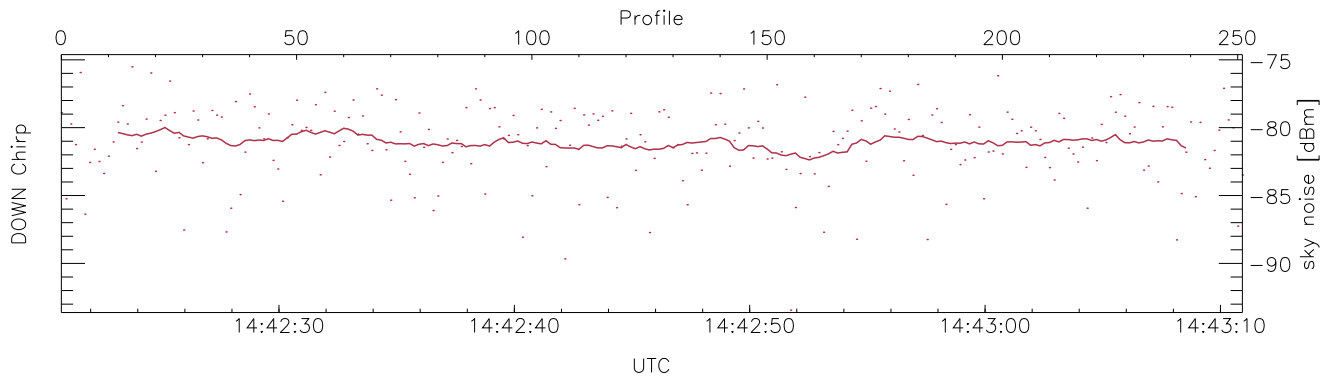
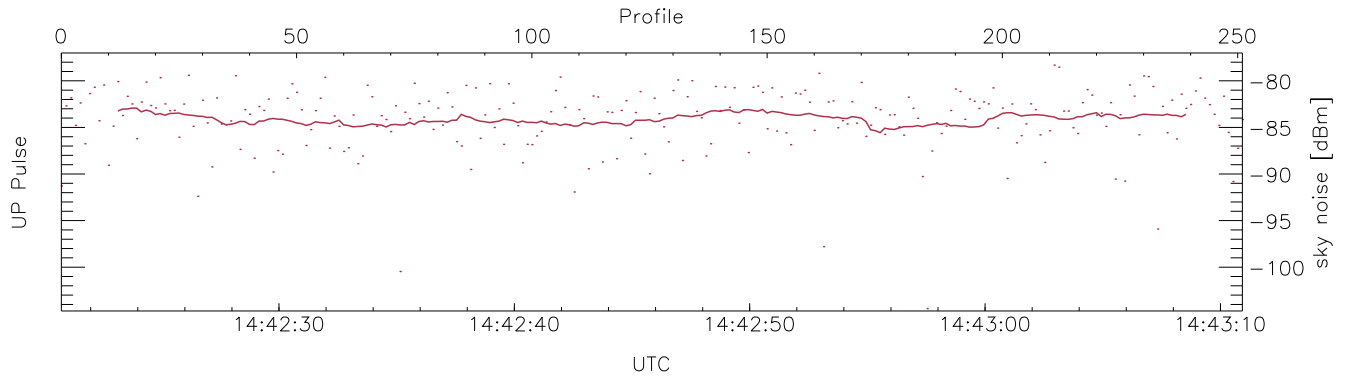
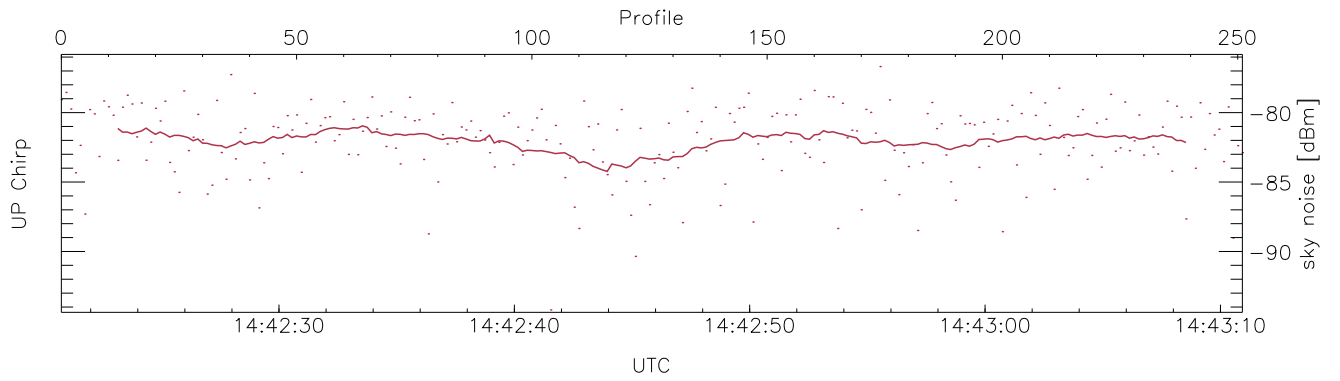
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.50	-65.97	-66.23	-66.24	-82.76
UP Pulse(dBm)	-67.95	-67.47	-67.70	-67.70	-84.07
DOWN Chirp(dBm)	-65.26	-64.66	-64.95	-64.95	-81.06
DOWN Pulse(dBm)	-66.60	-65.96	-66.28	-66.28	-82.39



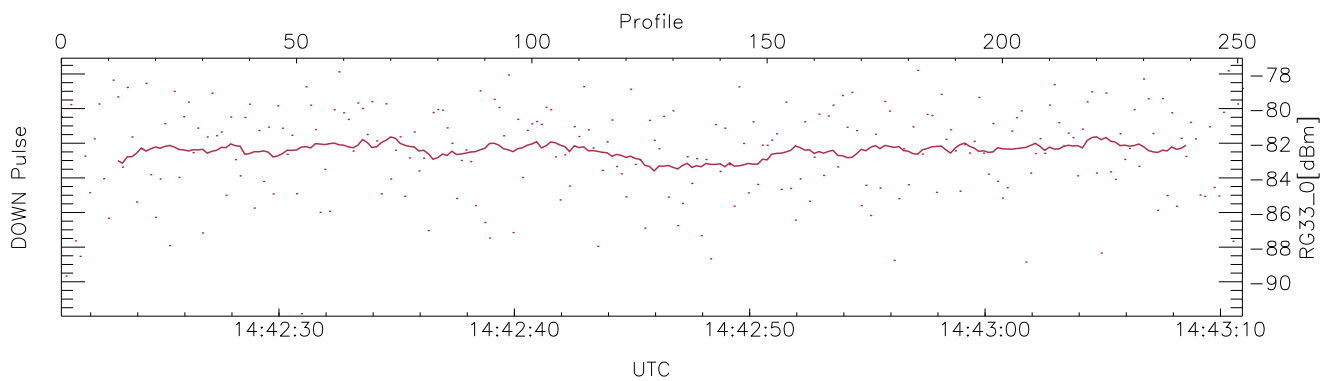
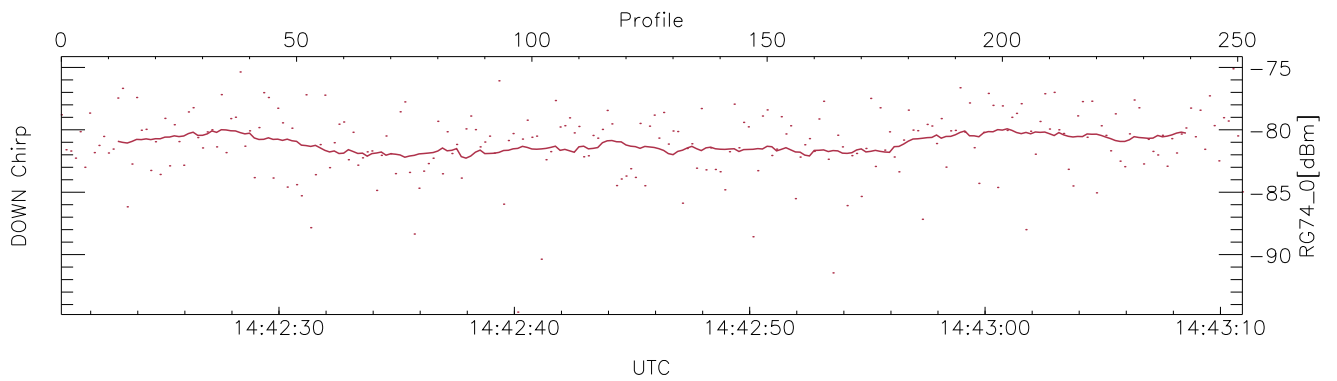
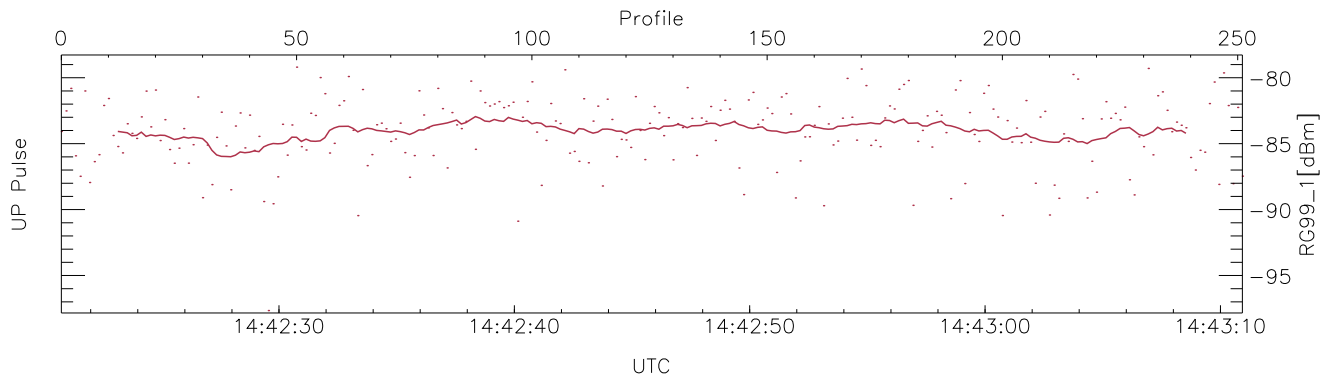
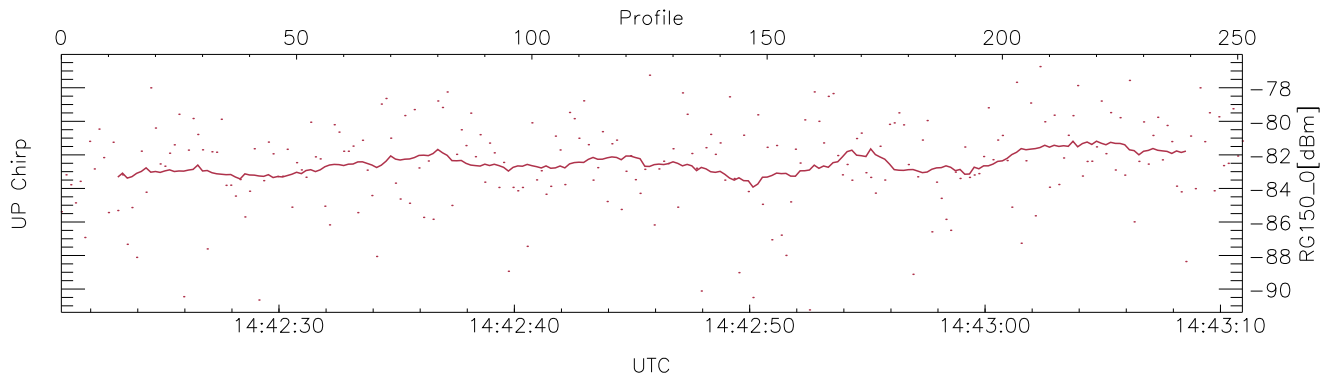
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG150_0	-66.53	-66.02	-66.25	-66.25	-82.95
UP_P_RG99_1	-68.01	-67.49	-67.72	-67.72	-83.89
DOWN_C_RG74_0	-65.24	-64.66	-64.98	-64.98	-81.23
DOWN_P_RG33_0	-66.62	-66.01	-66.28	-66.27	-82.44



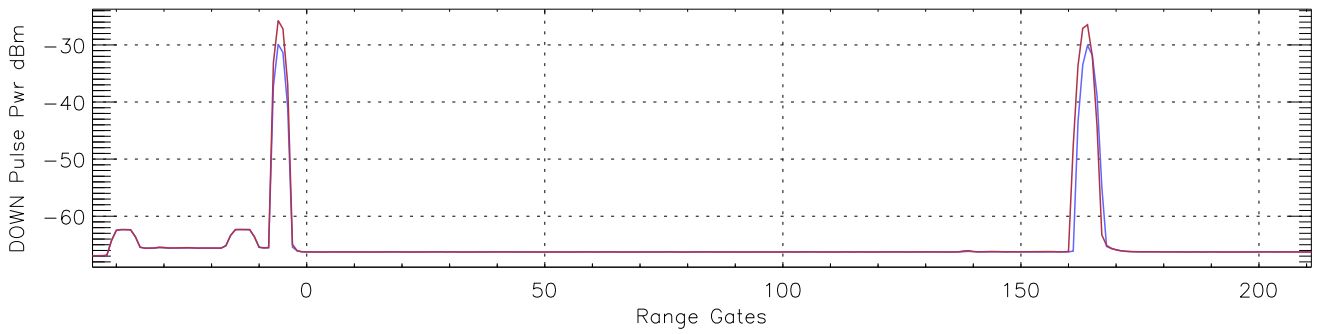
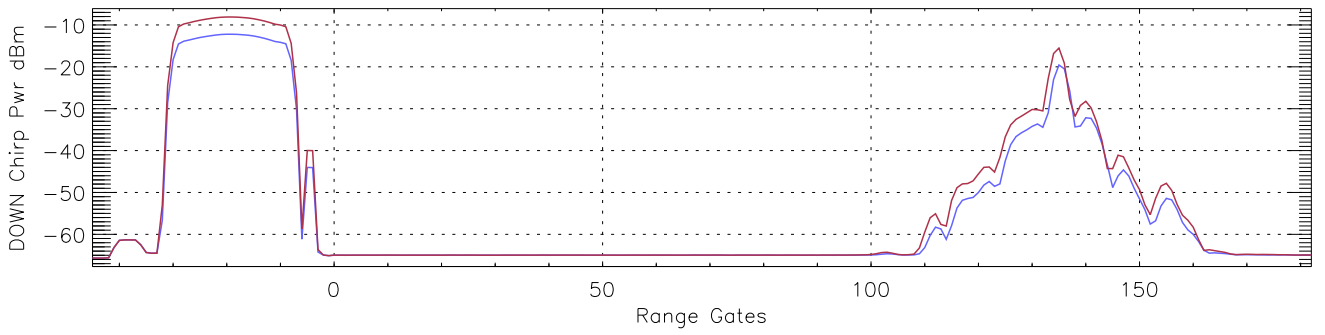
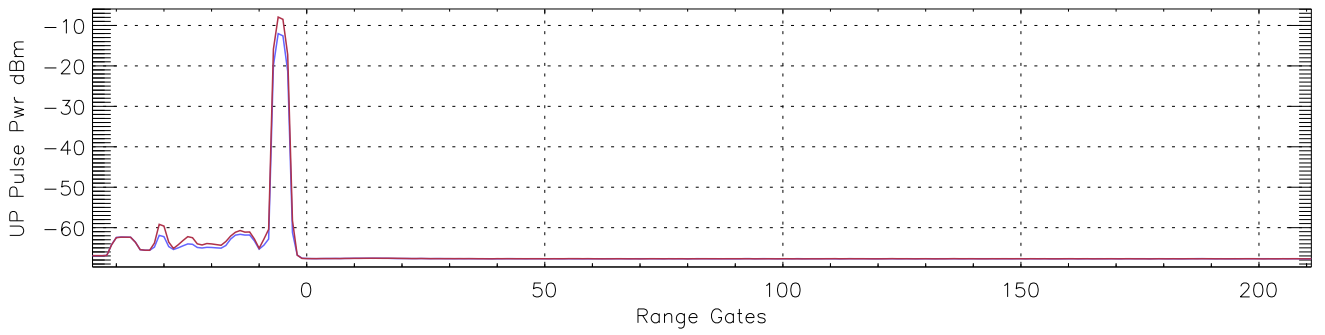
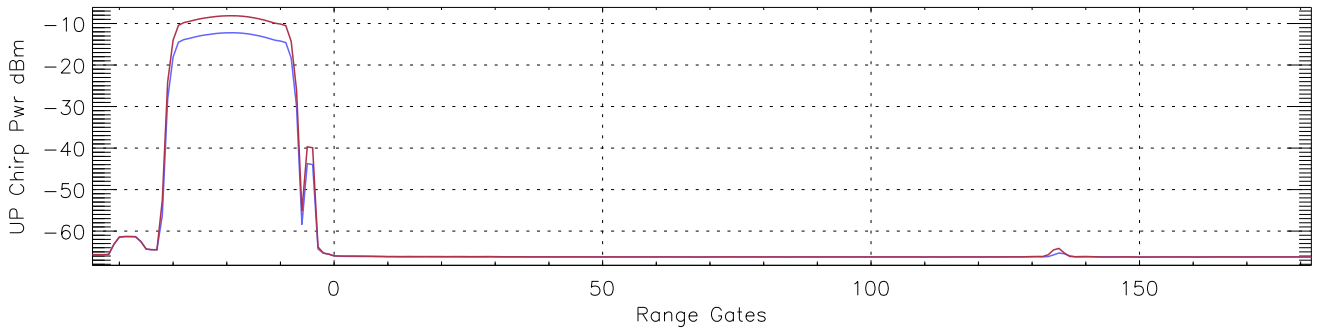
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-94.21	-76.69	-81.40	-81.59	-84.53
UP Pulse(dBm)	-104.44	-78.32	-83.15	-83.37	-85.57
DOWN Chirp(dBm)	-93.44	-75.51	-80.36	-80.75	-83.05
DOWN Pulse(dBm)	-94.68	-77.48	-81.57	-81.92	-84.21

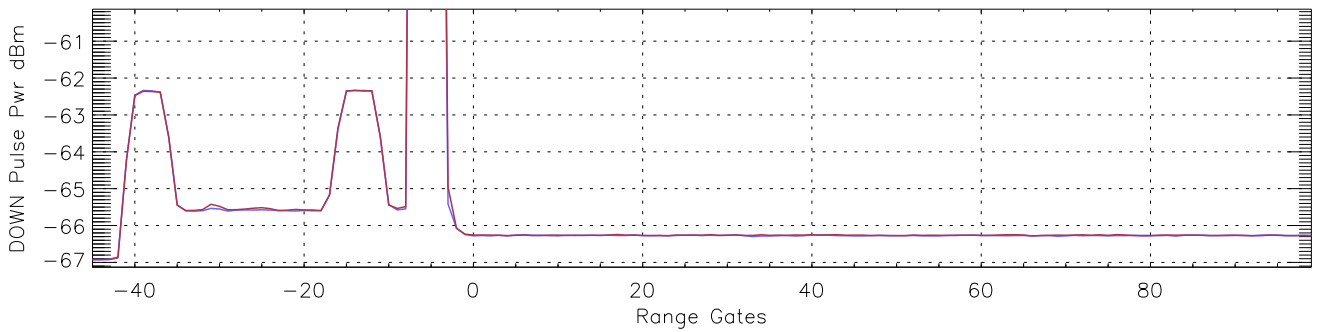
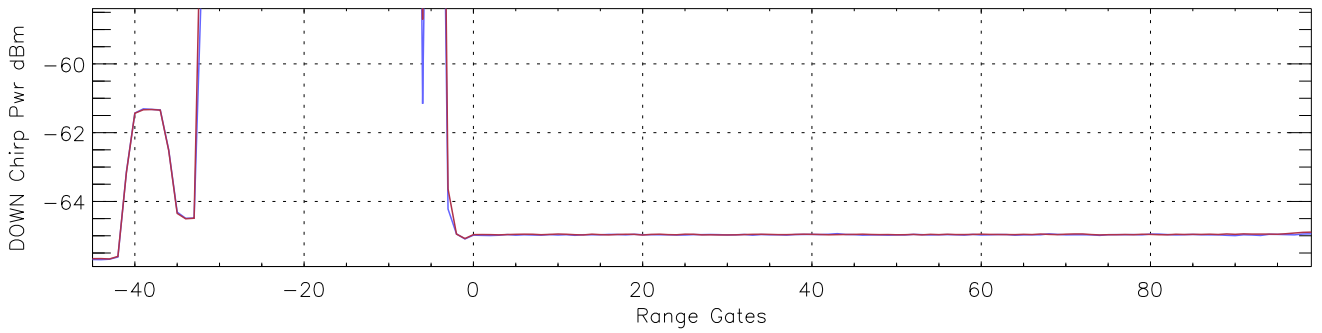
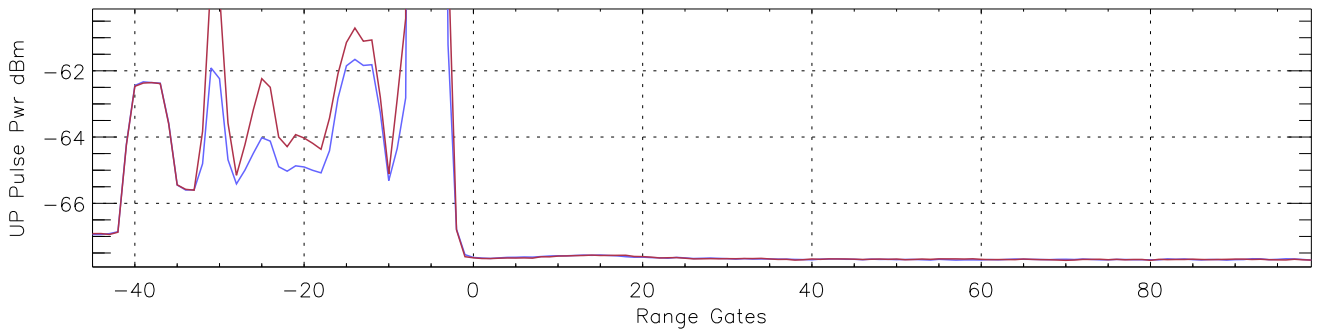
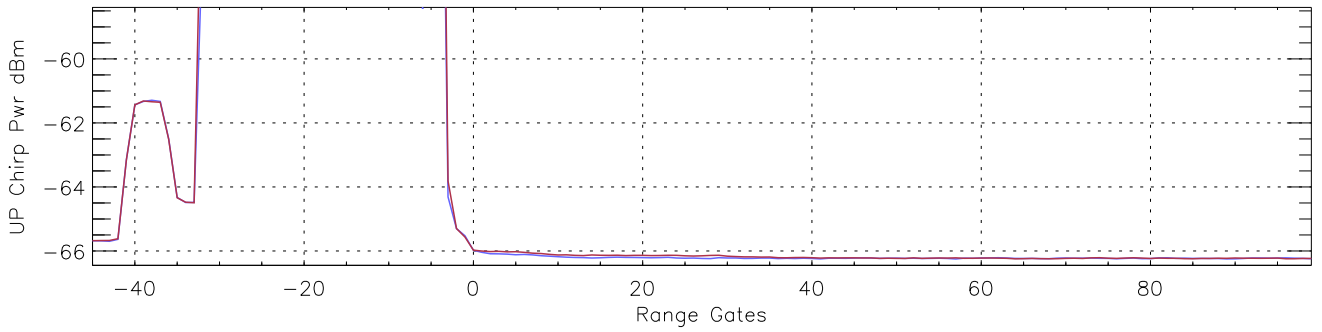


KPR SPP "Best" PPMAG noise (dBm):

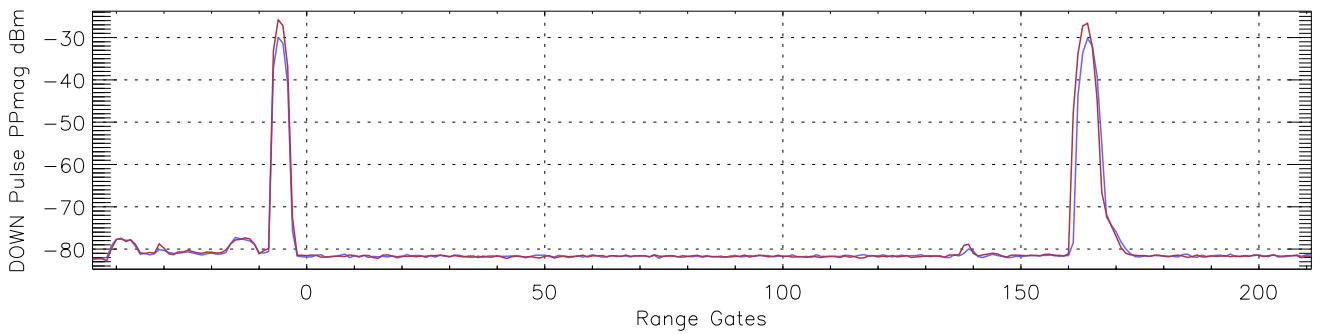
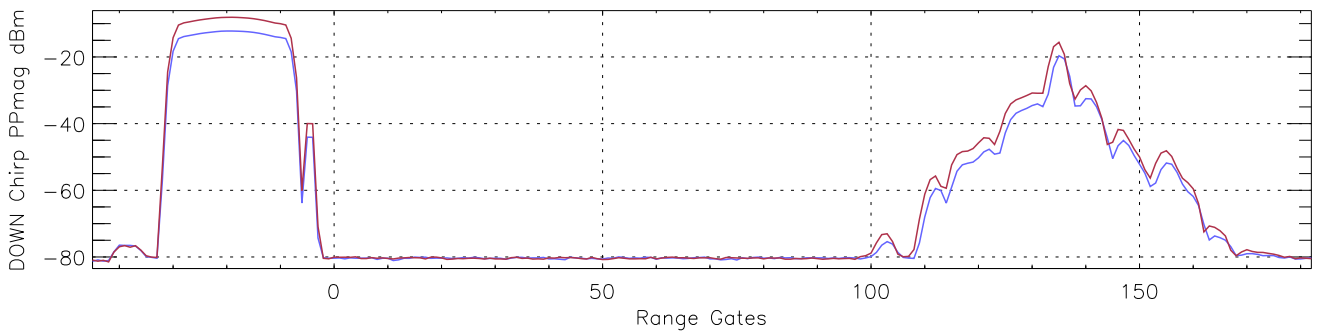
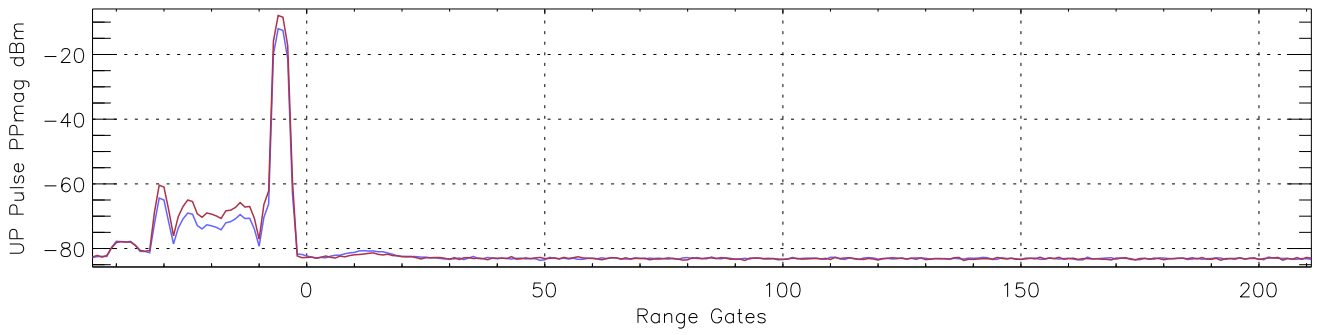
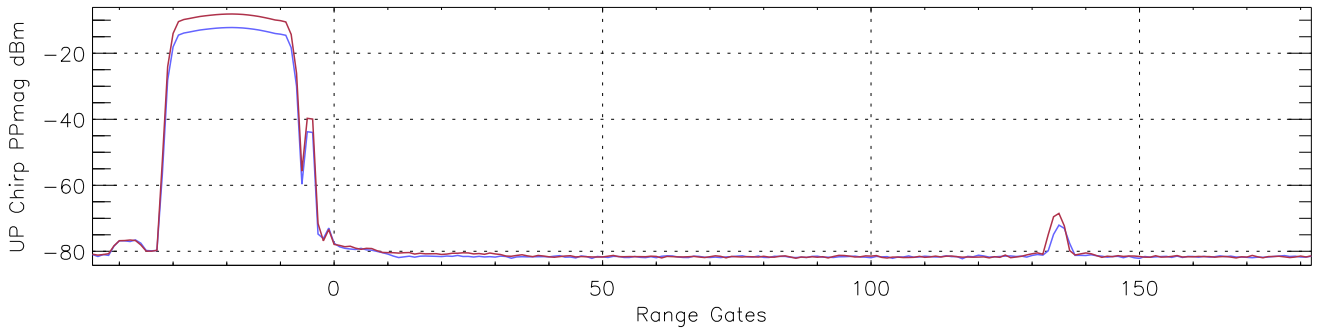
	Min	Max	Mean	Median	StDev
UP_C_RG150_0	-91.24	-76.74	-81.84	-82.35	-84.39
UP_P_RG99_1	-97.66	-79.20	-83.38	-83.58	-86.17
DOWN_C_RG74_0	-94.61	-75.11	-80.38	-80.67	-83.09
DOWN_P_RG33_0	-91.85	-77.79	-81.78	-82.01	-84.60



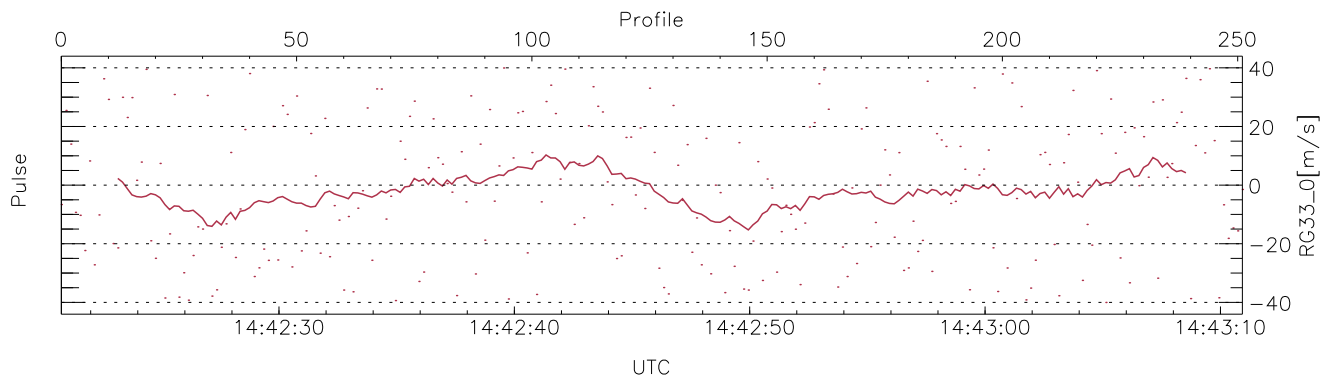
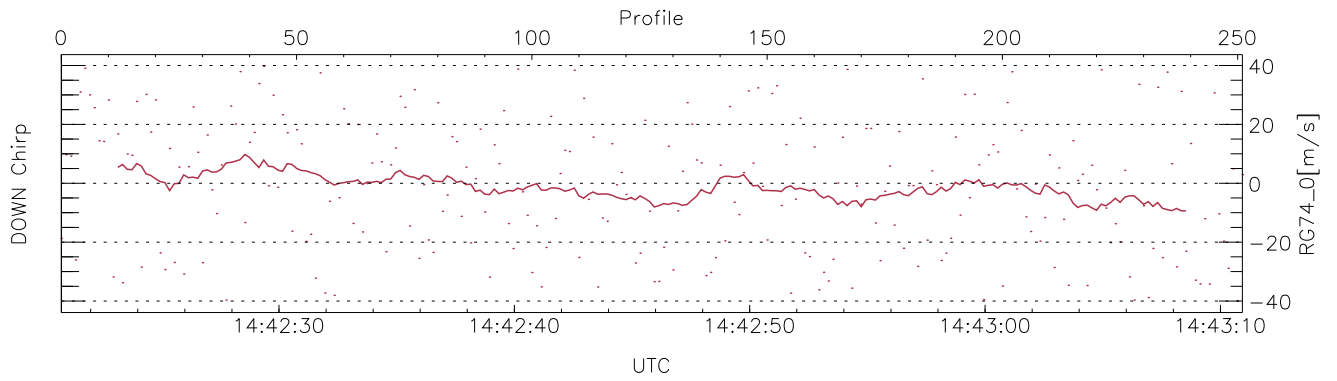
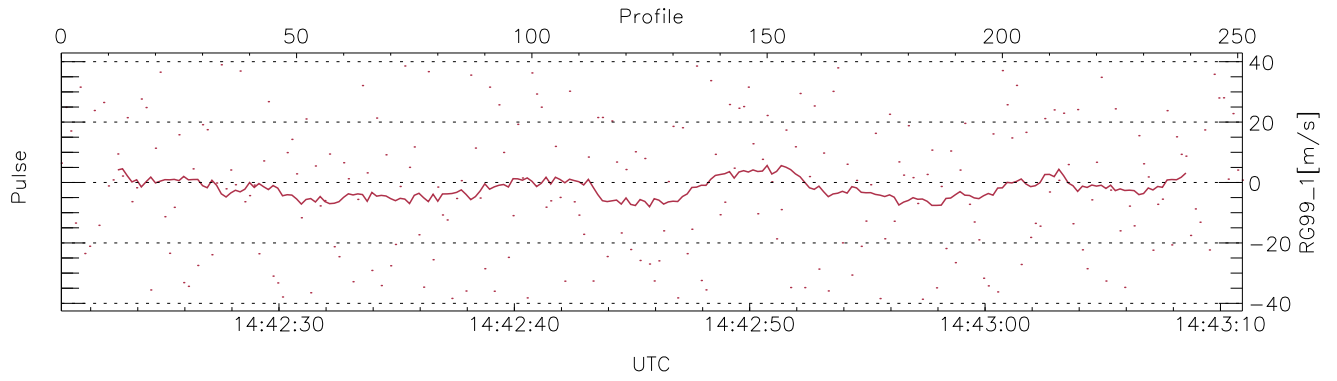
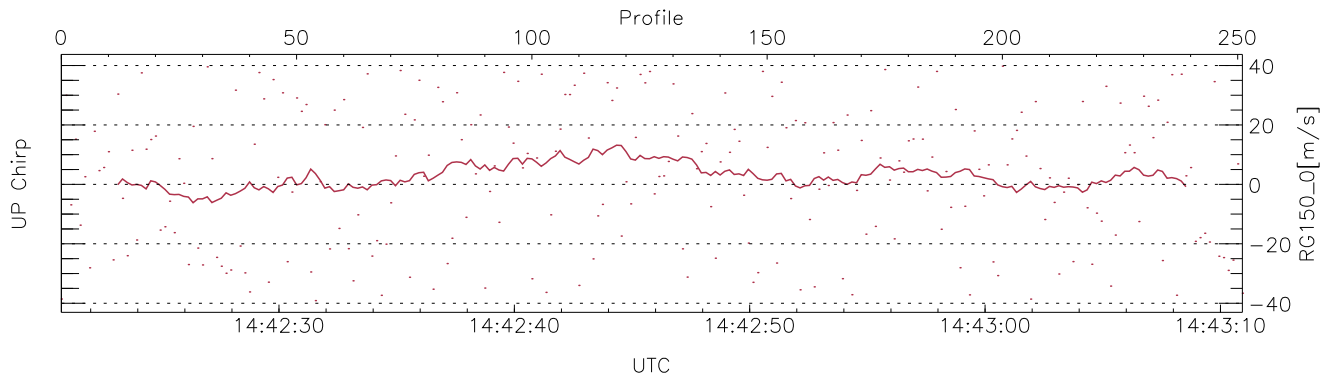
KPR SPP Averaged Received power for all recorded gates
blue: 144221-144245, 127 profiles averaged
red: 144245-144311, 126 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 144221-144245, 127 profiles averaged
red: 144245-144311, 126 profiles averaged

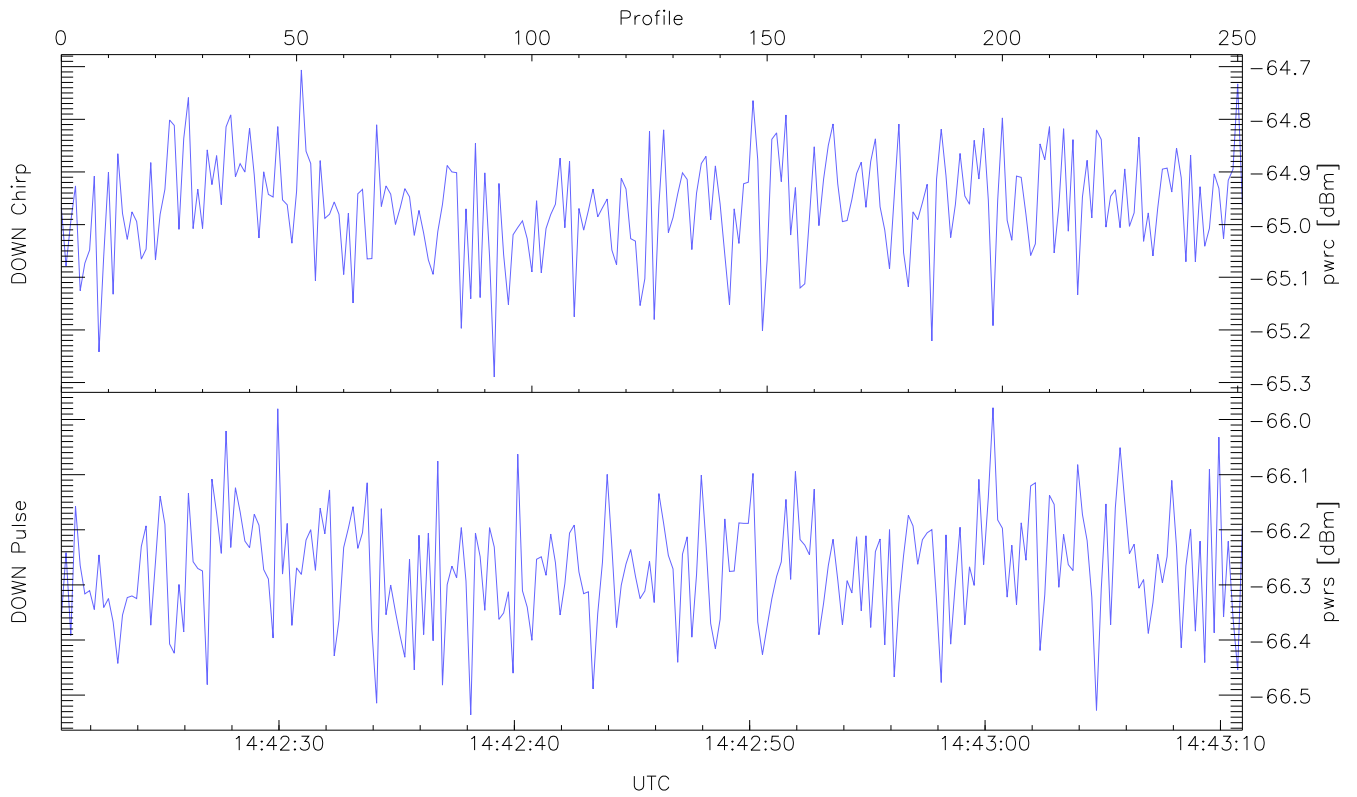
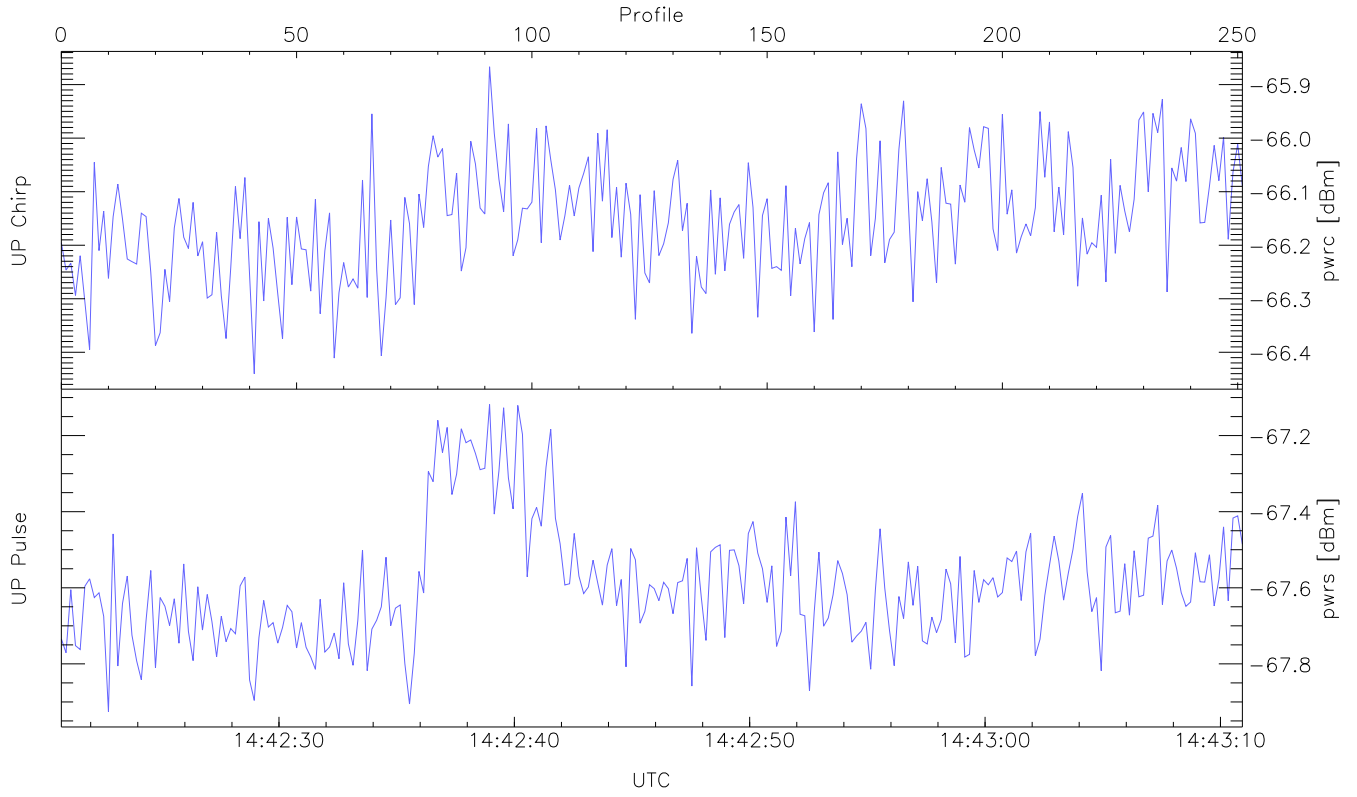


KPR SPP Averaged PP magnitude for all recorded gates
blue: 144221-144245, 127 profiles averaged
red: 144245-144311, 126 profiles averaged



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

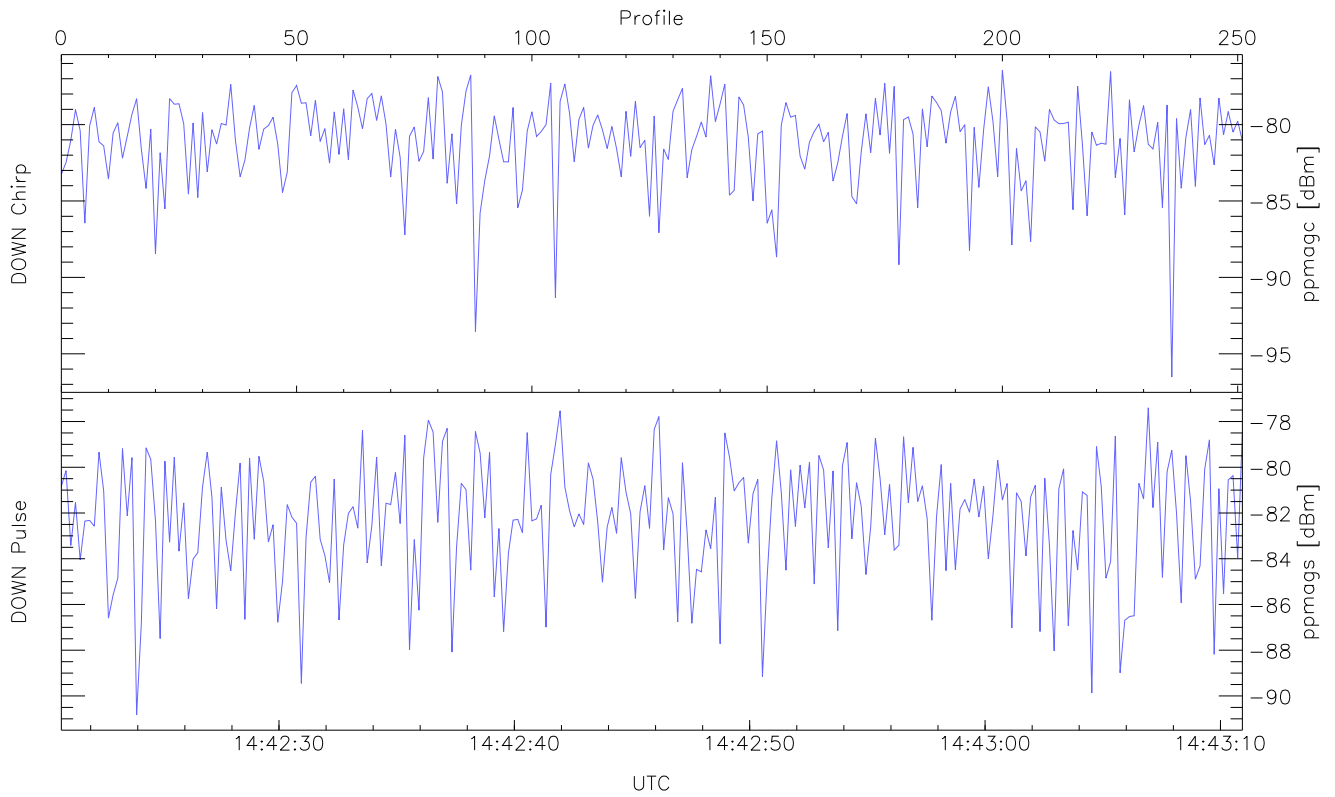
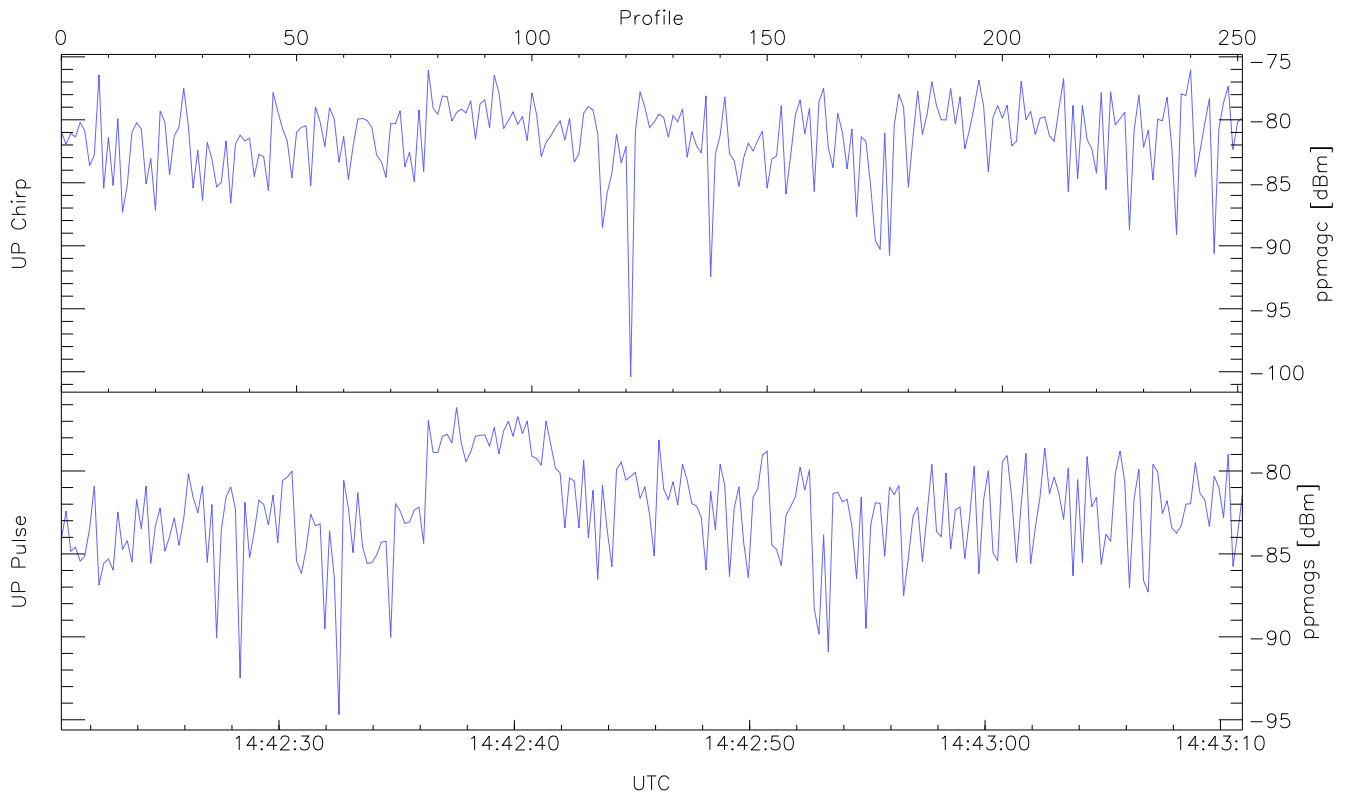
	Min	Max	Mean	Median	StDev
UP_C_RG150_0	-39.12	39.79	2.12	5.06	22.94
UP_P_RG99_1	-38.65	38.99	-1.30	0.24	21.46
DOWN_C_RG74_0	-39.94	39.71	-1.35	-0.77	22.05
DOWN_P_RG33_0	-40.01	39.96	-1.76	-1.49	23.32



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

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

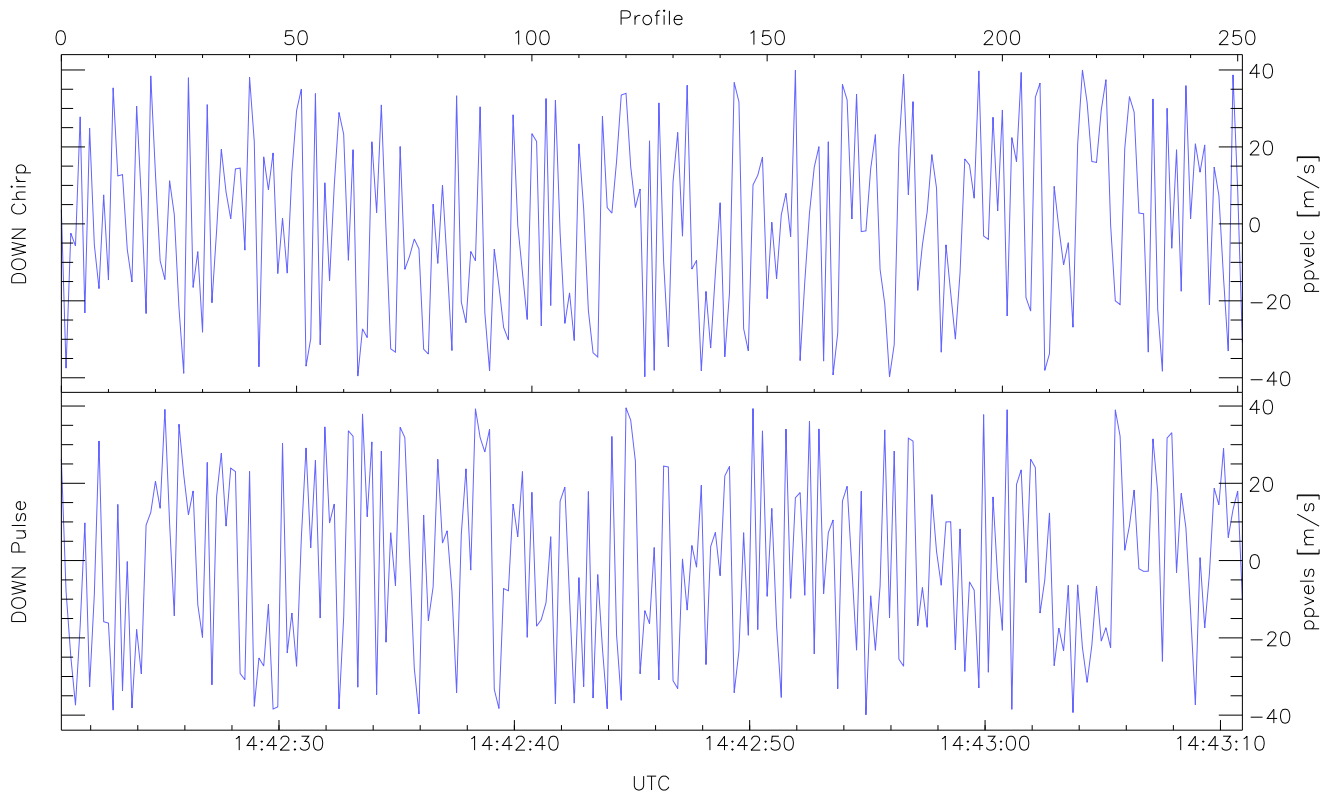
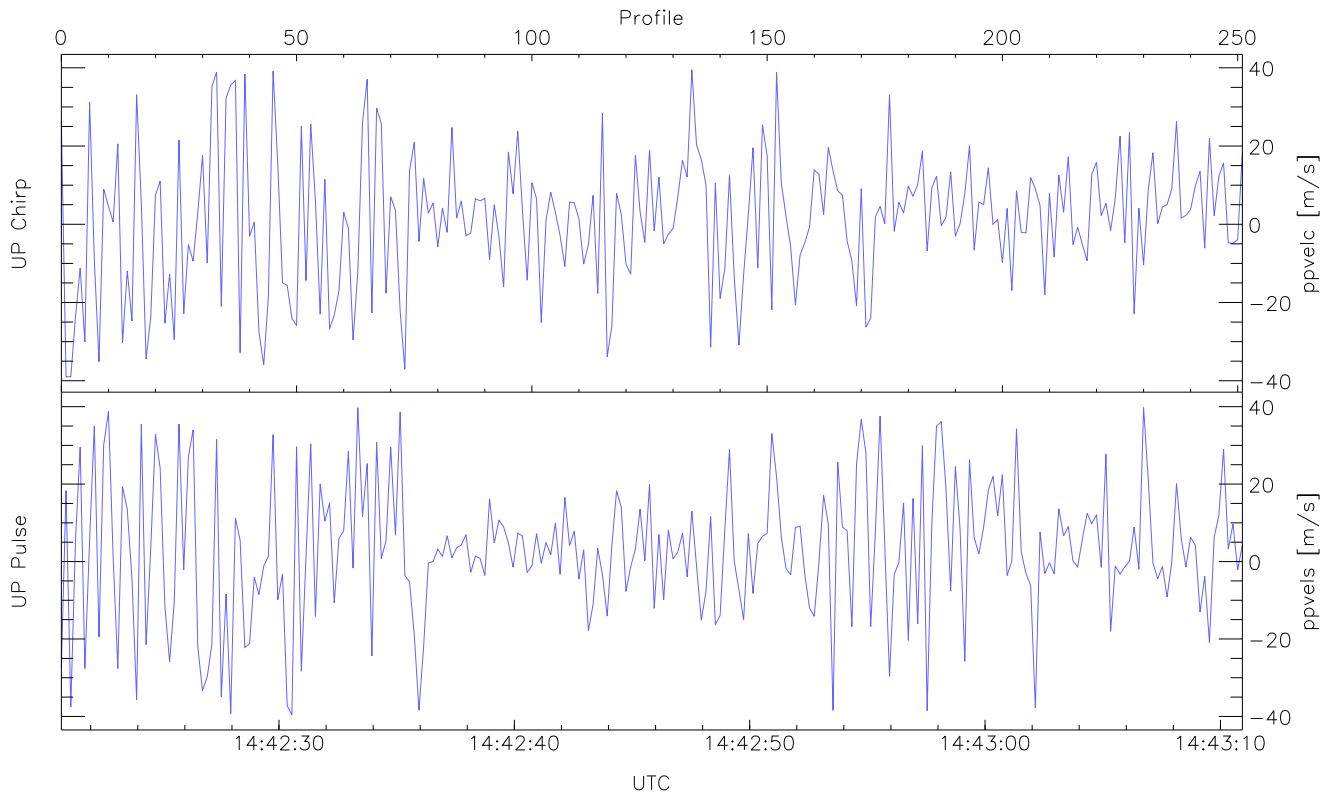
	Min	Max	Mean
UP Chirp(dBm)	-66.44	-65.87	-66.15
UP Pulse(dBm)	-67.93	-67.12	-67.59
DOWN Chirp(dBm)	-65.29	-64.71	-64.96
DOWN Pulse(dBm)	-66.54	-65.98	-66.27



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

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

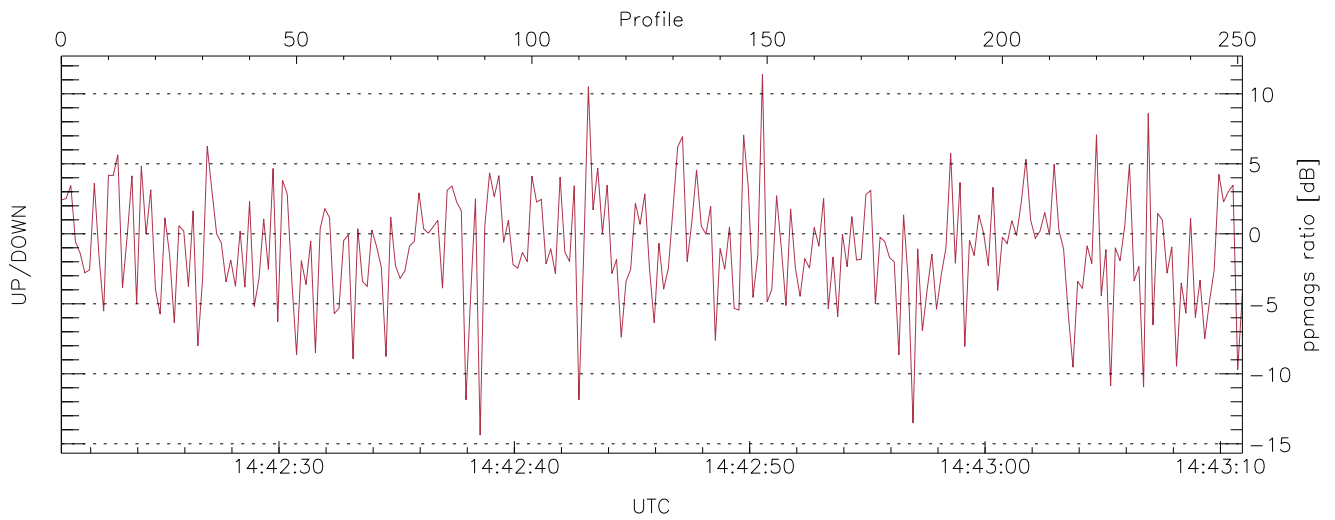
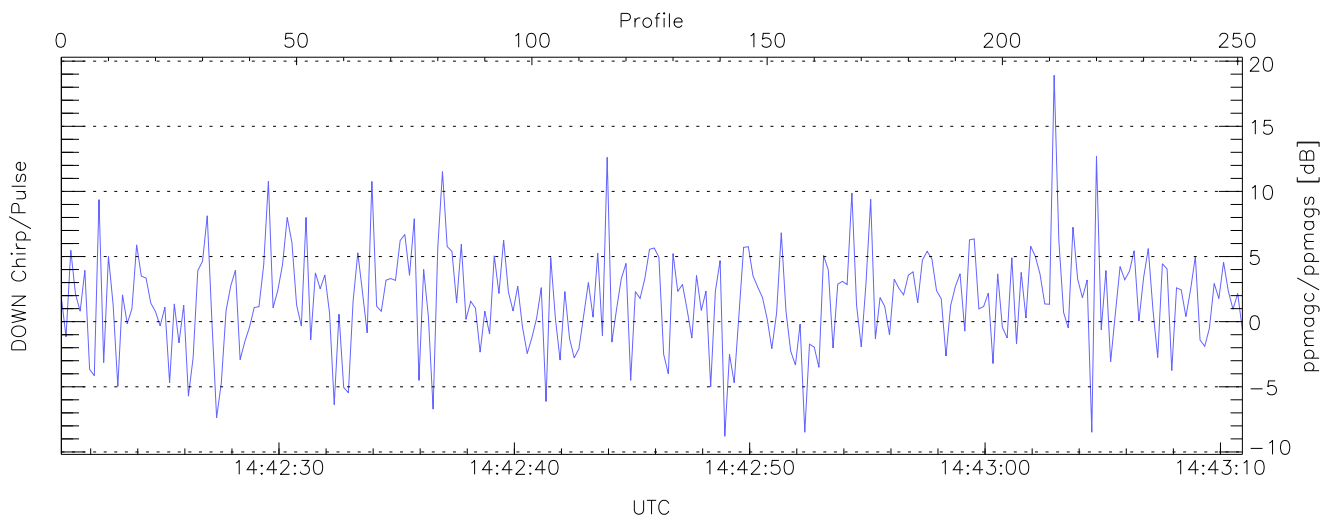
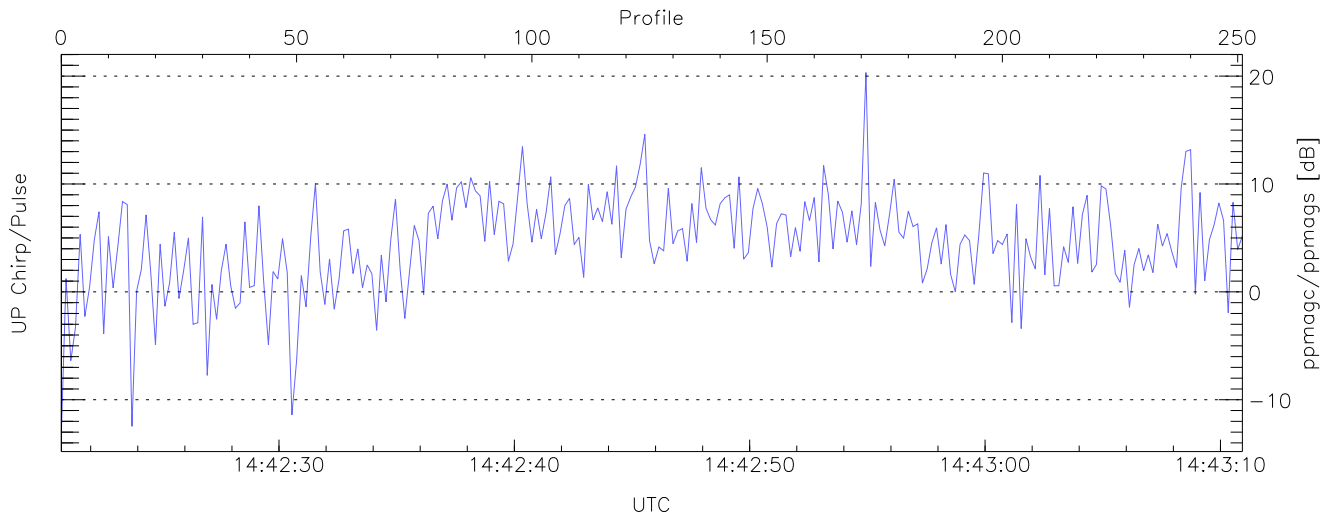
	Min	Max	Mean
UP Chirp(dBm)	-100.40	-76.03	-80.62
UP Pulse(dBm)	-94.69	-76.17	-81.55
DOWN Chirp(dBm)	-96.52	-76.43	-80.41
DOWN Pulse(dBm)	-90.82	-77.40	-81.60



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)	-39.00	39.50	1.18
UP Pulse(m/s)	-39.53	39.77	2.88
DOWN Chirp(m/s)	-39.82	40.00	0.25
DOWN Pulse(m/s)	-39.92	39.55	-0.94



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-13.13	20.34	6.68
DOWN Chirp/Pulse(dBm)	-8.80	18.92	3.82
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-14.38	11.41	0.77