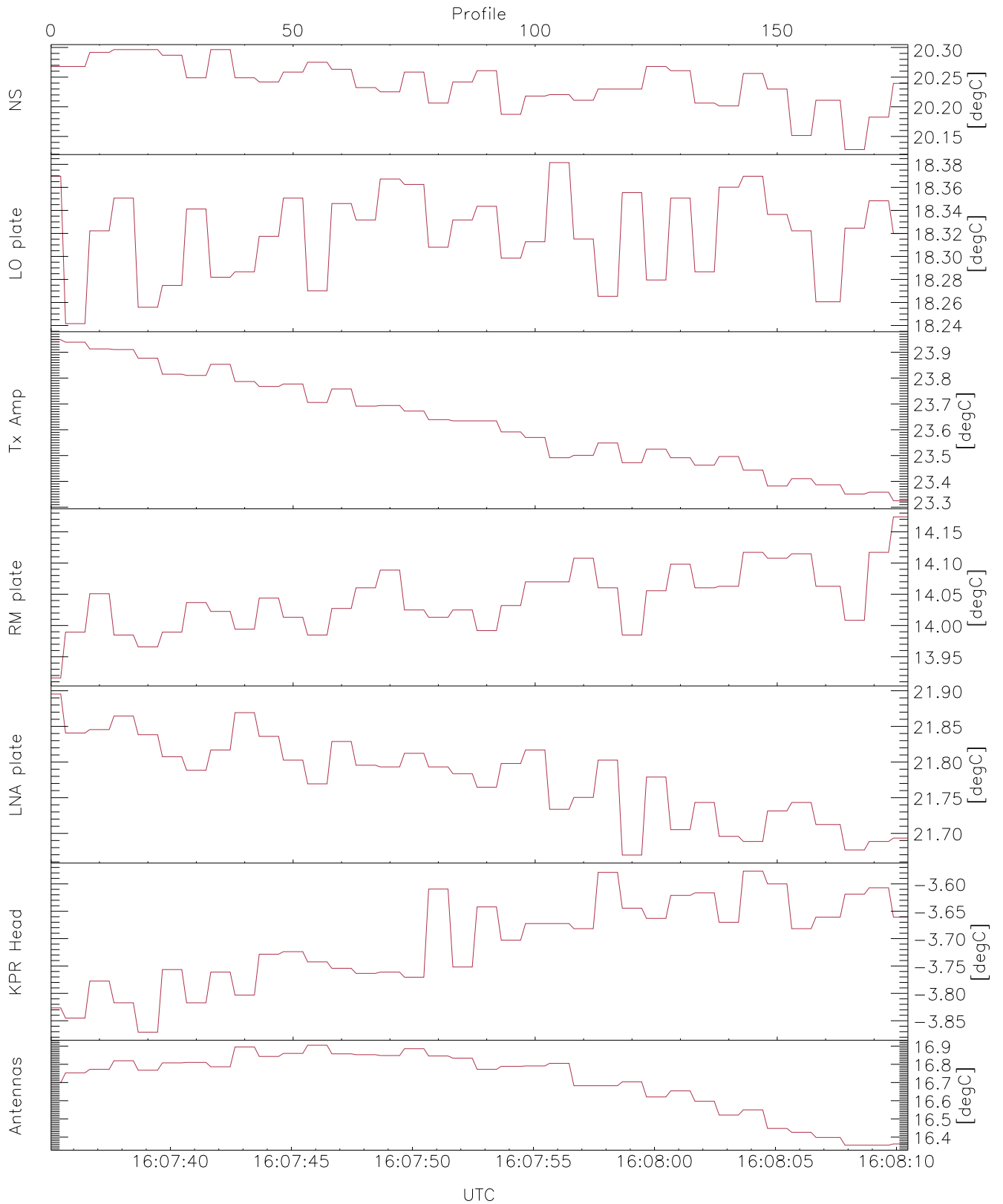


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 16:07:35-16:08:10, TimeCor: 0.00s, Dur: 35.40s
 TimeInt(min,max,mn,std): 196.9,203.1,200.0,0.3 ms; PPS: 5.0
 NumRec(r/t): 178/178, 0-177/16:07:35-16:08:10
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.8 KB/s
 Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 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

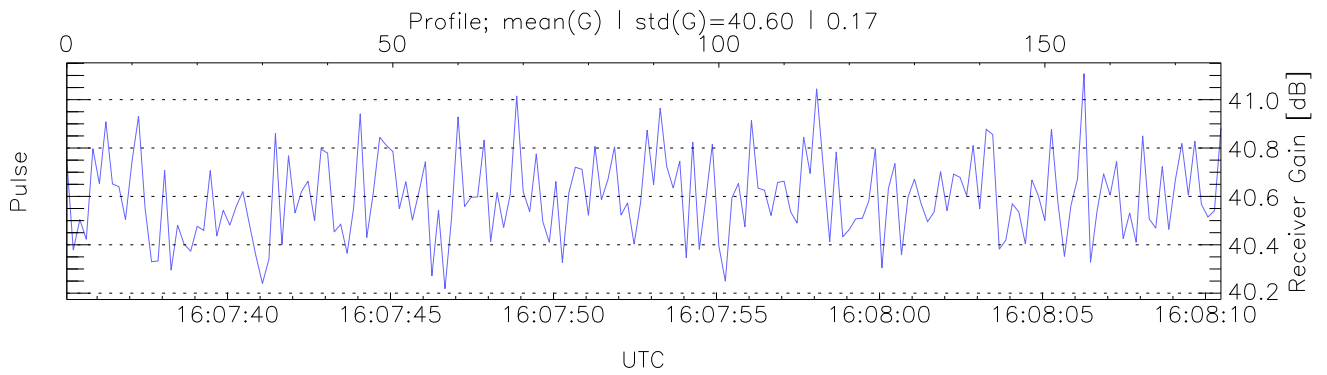
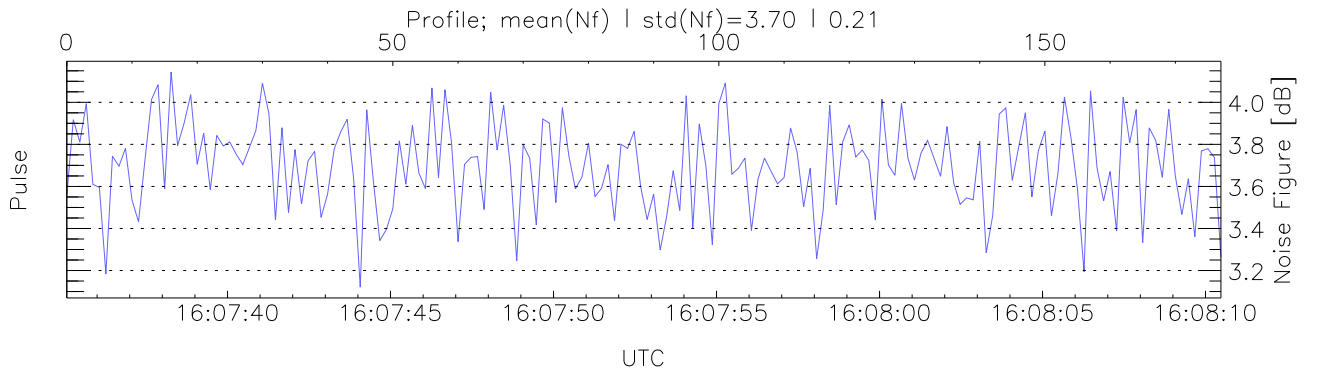
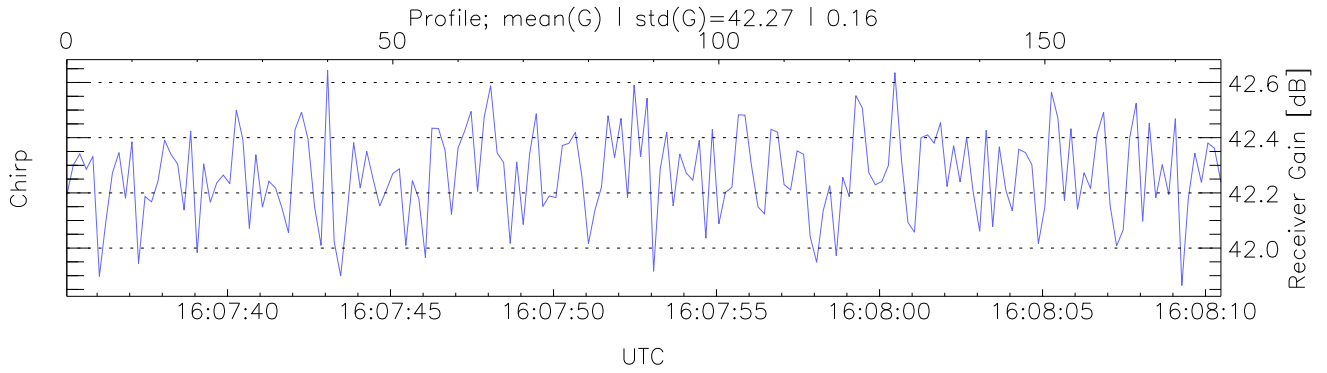
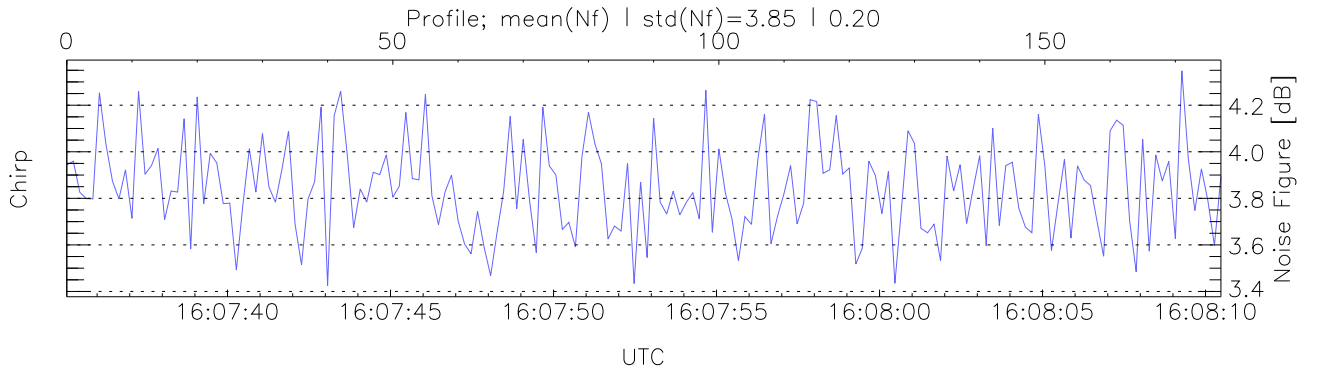


KPR SPP Temperatures, Power Supplies, PLO lock:

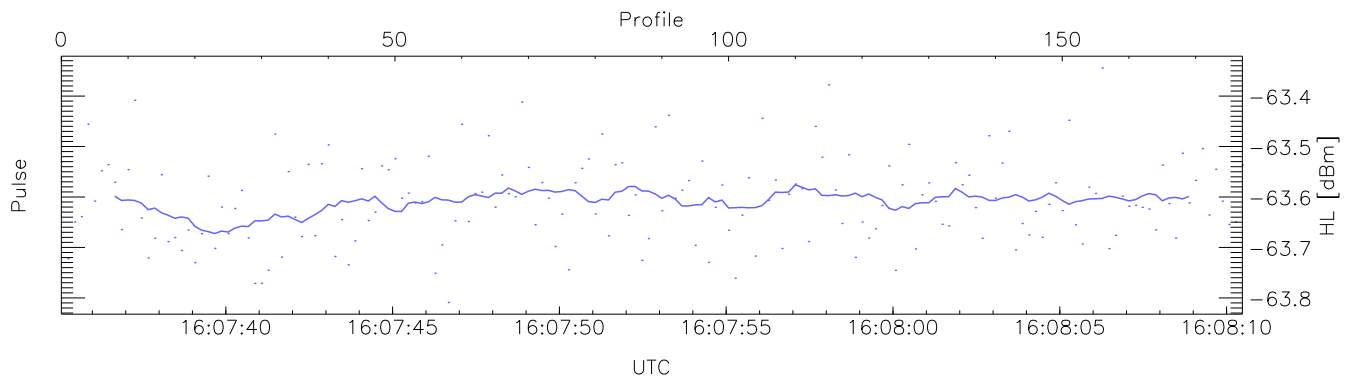
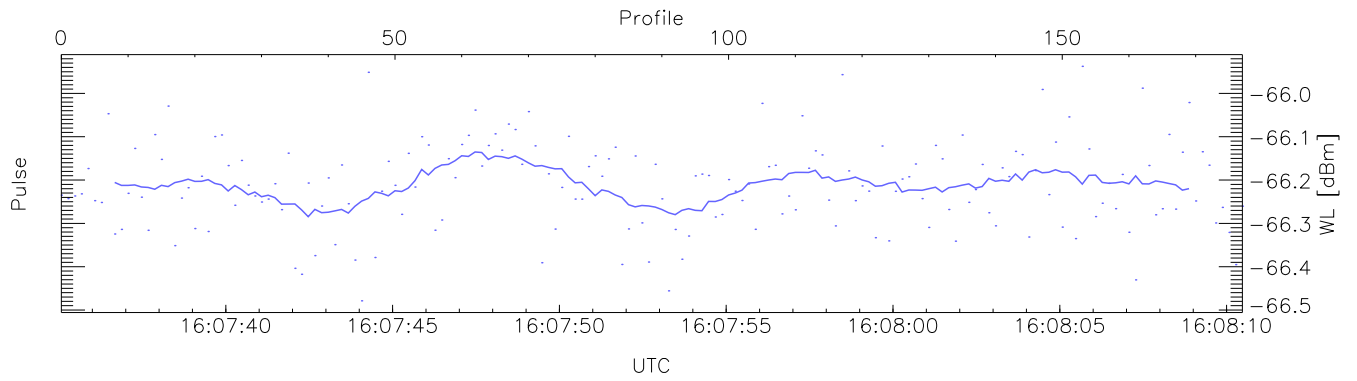
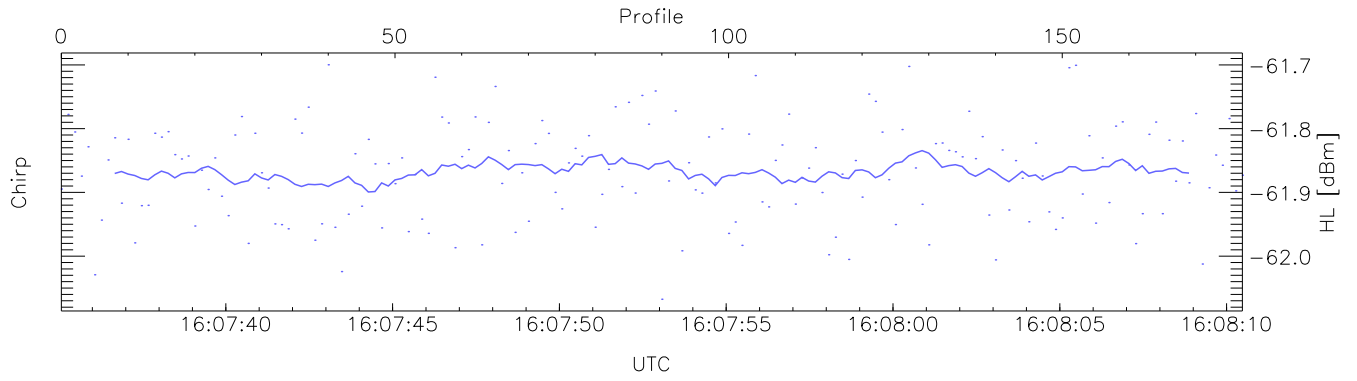
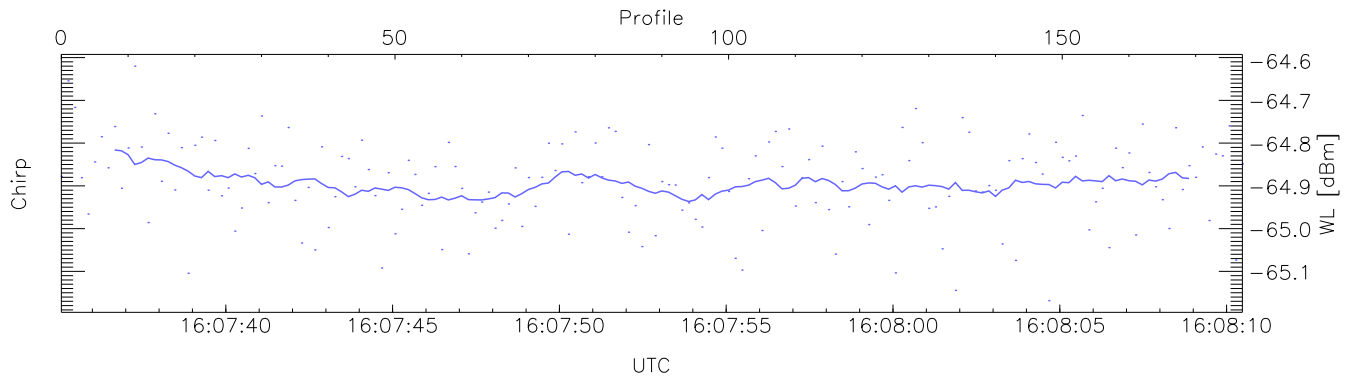
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	20.1,	18.2,	23.3,	13.9,	21.7,	-3.9,	16.4
maxtempC:	20.3,	18.4,	23.9,	14.2,	21.9,	-3.6,	16.9
meantempC:	20.2,	18.3,	23.6,	14.0,	21.8,	-3.7,	16.7

PwrSply:	28,	12,	8,	5 VDC
minVDC:	27.05,	11.72,	7.87,	5.21
maxVDC:	27.58,	11.75,	7.89,	5.23
meanVDC:	27.37,	11.73,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

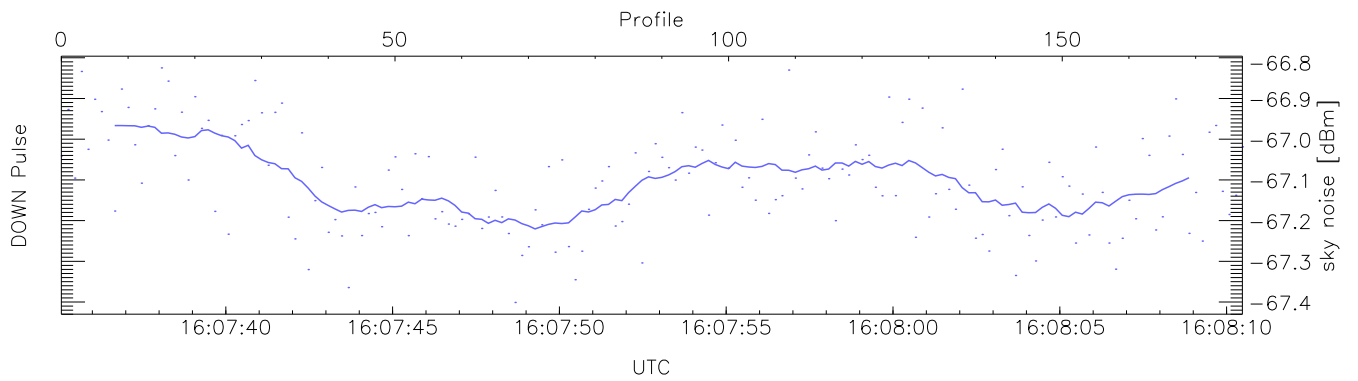
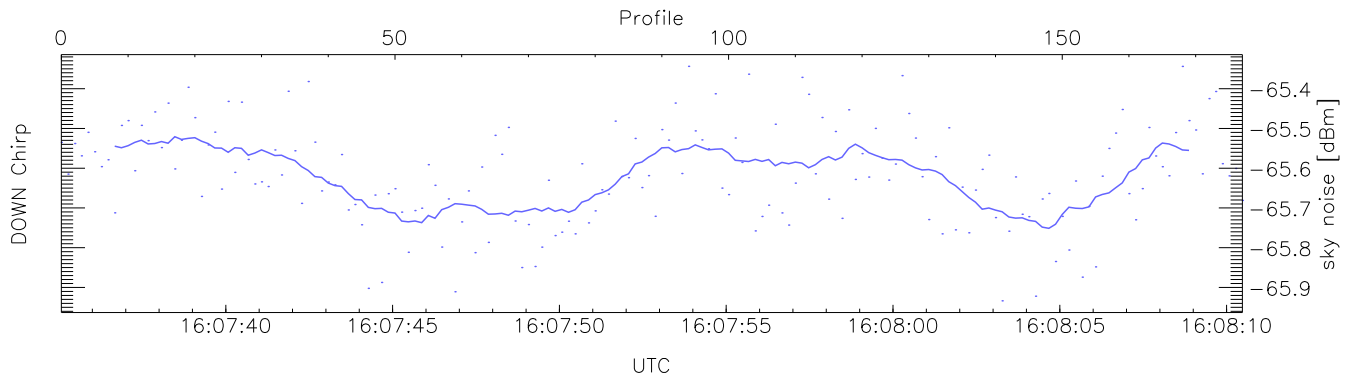
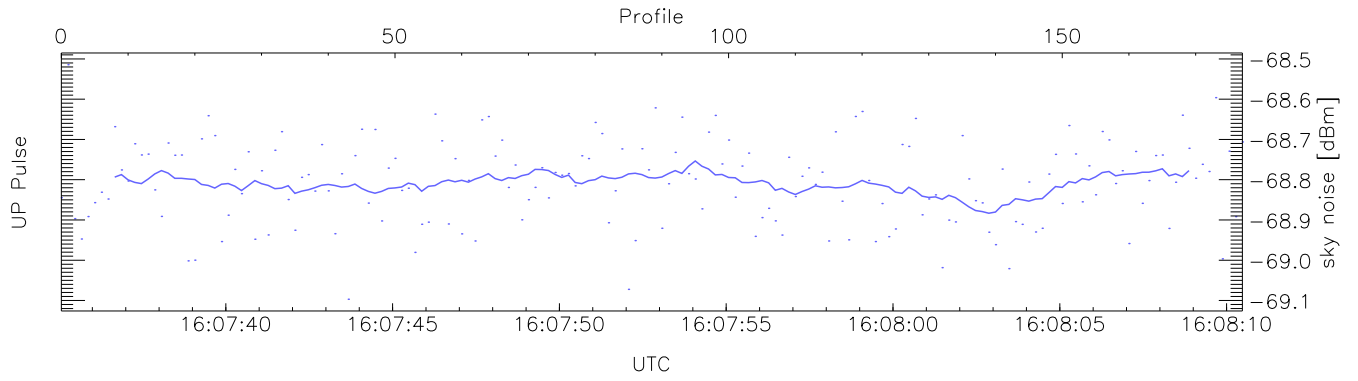
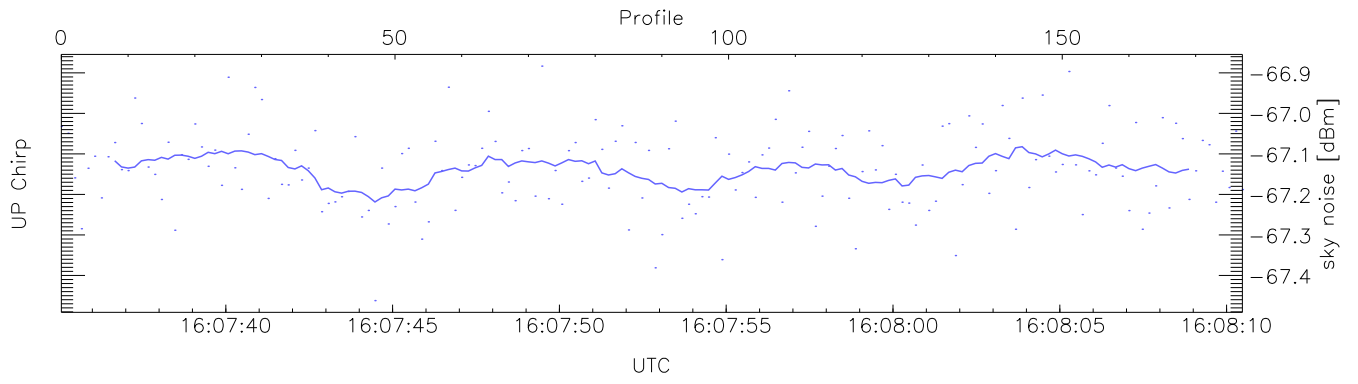


KPR SPP Receiver Gain and Noise Figure



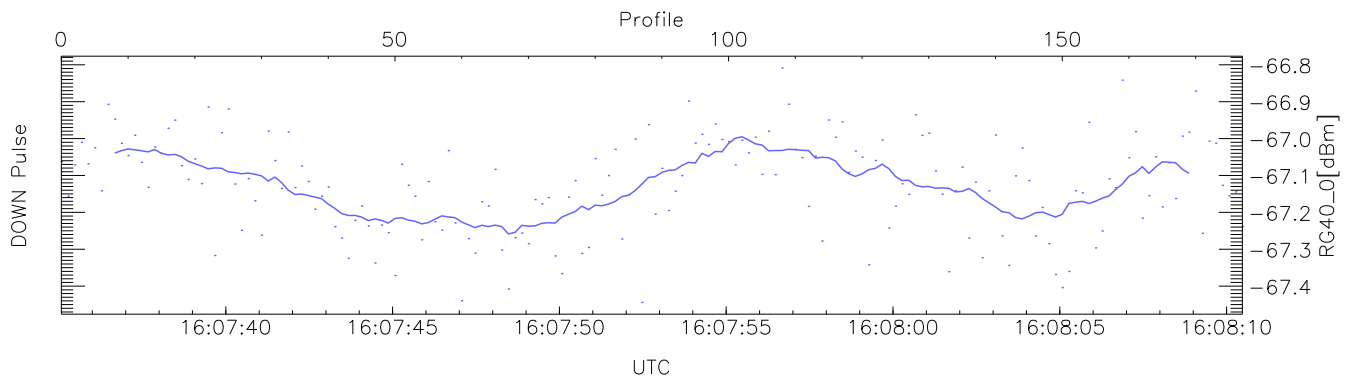
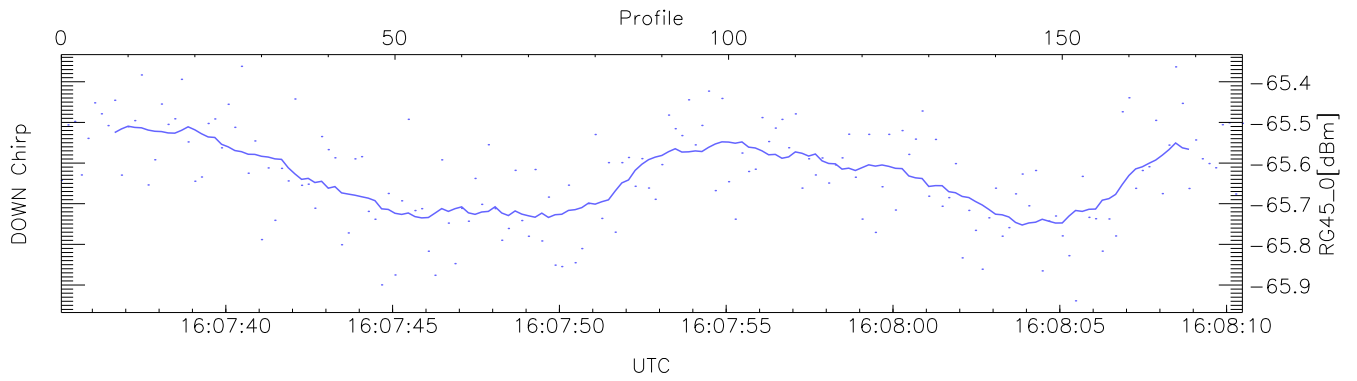
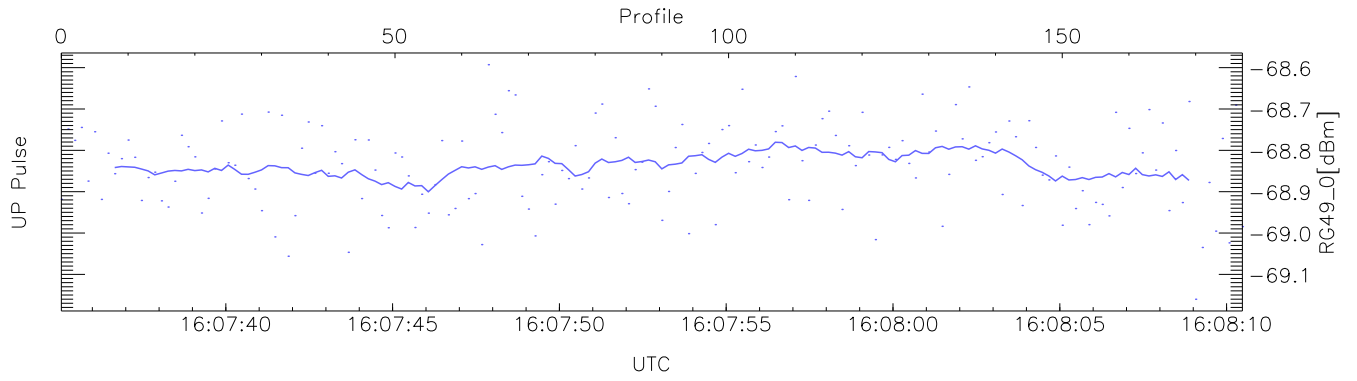
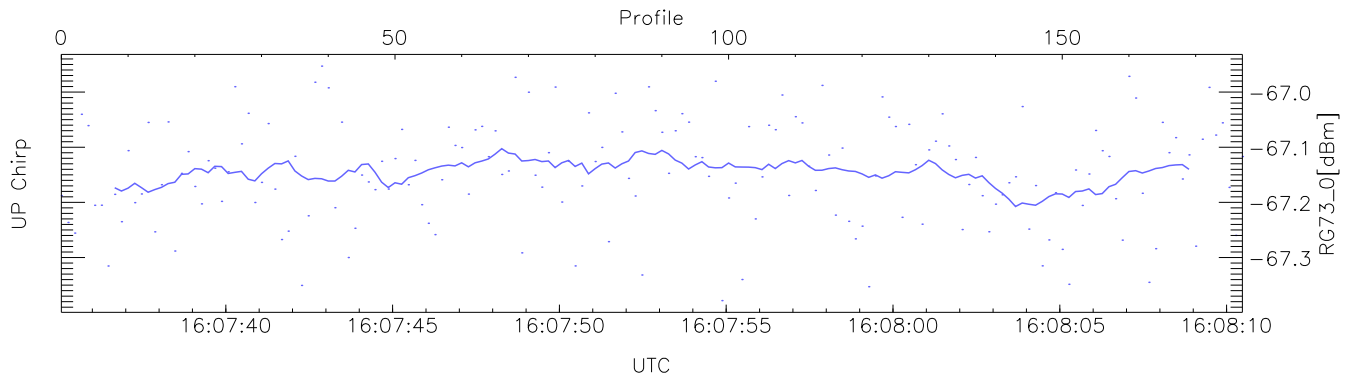
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.17	-64.62	-64.89	-64.88	-81.40
Chirp(HL [dBm])	-62.07	-61.70	-61.87	-61.86	-79.49
Pulse(WL [dBm])	-66.48	-65.94	-66.21	-66.22	-82.54
Pulse(HL [dBm])	-63.81	-63.34	-63.61	-63.61	-80.76



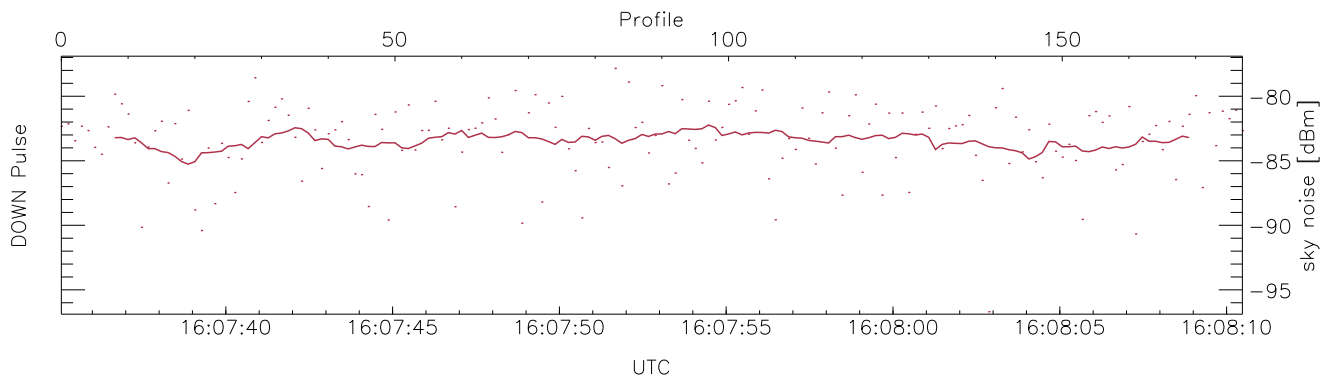
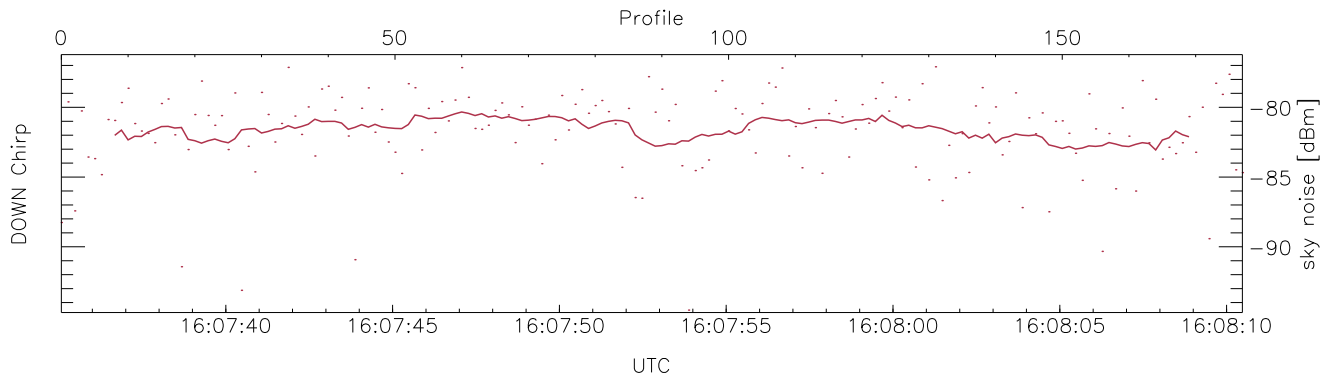
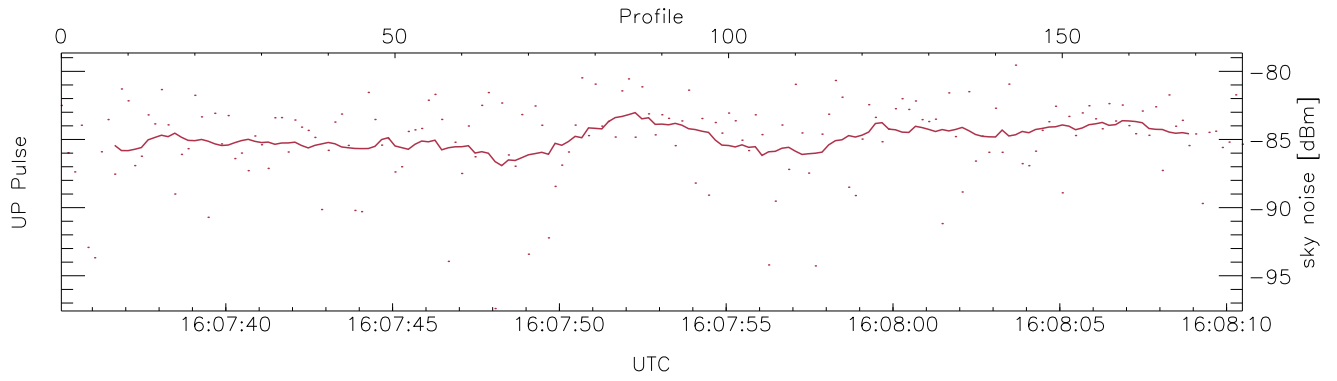
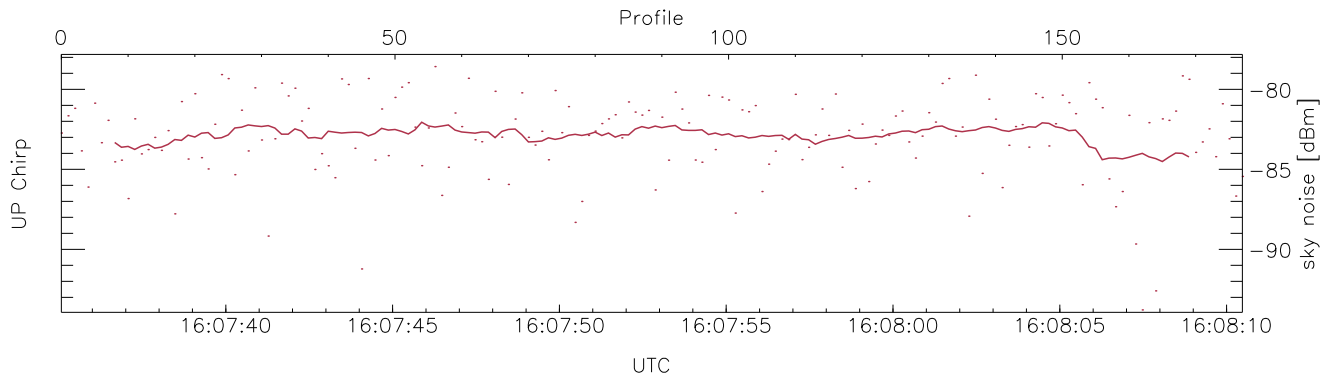
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.46	-66.88	-67.14	-67.14	-83.60
UP Pulse(dBm)	-69.10	-68.51	-68.81	-68.80	-85.05
DOWN Chirp(dBm)	-65.93	-65.34	-65.62	-65.62	-81.06
DOWN Pulse(dBm)	-67.40	-66.82	-67.10	-67.11	-82.61



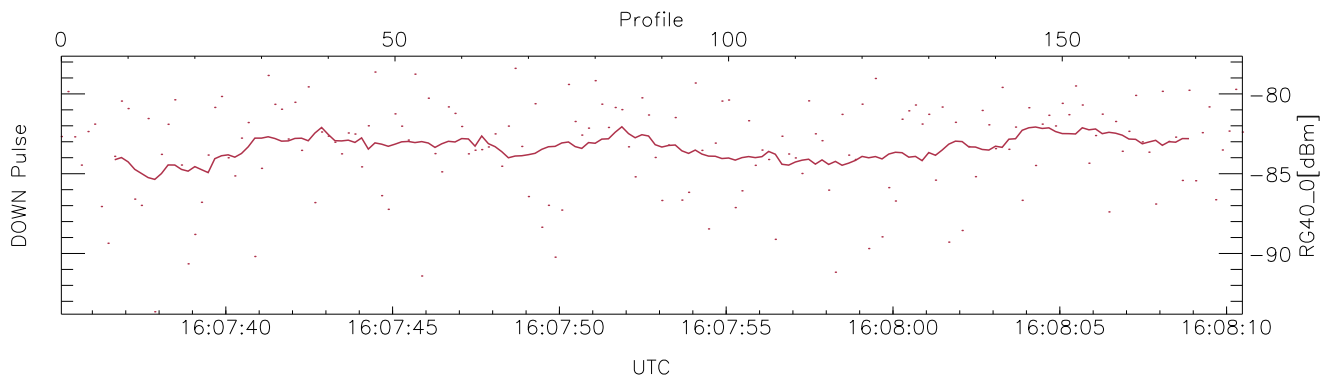
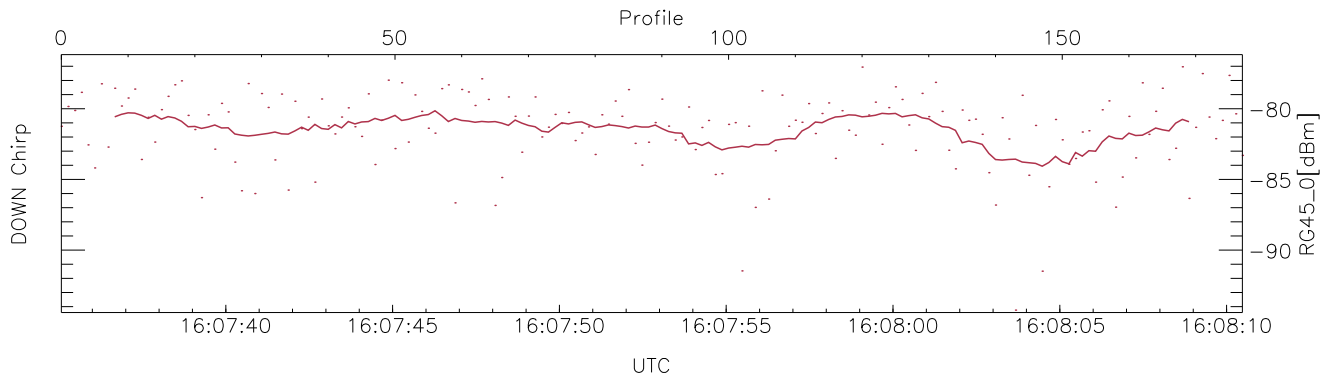
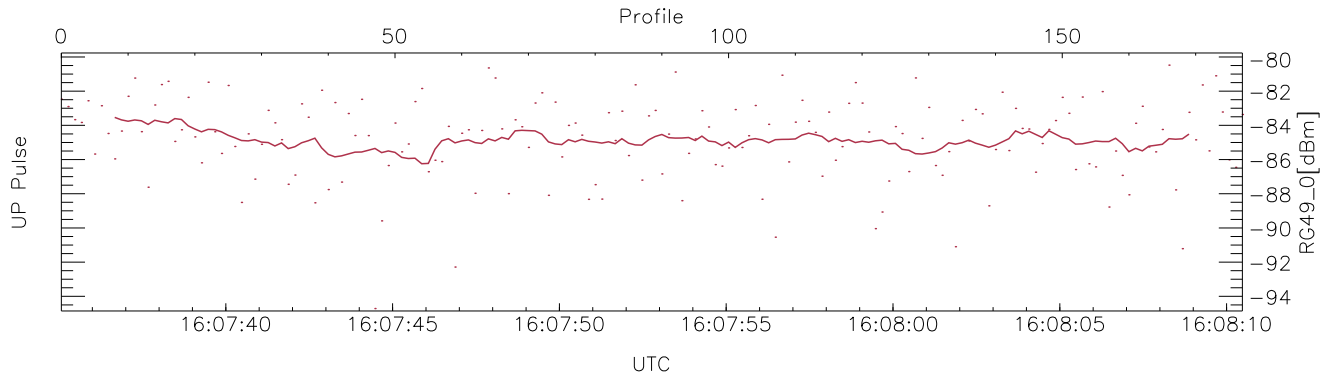
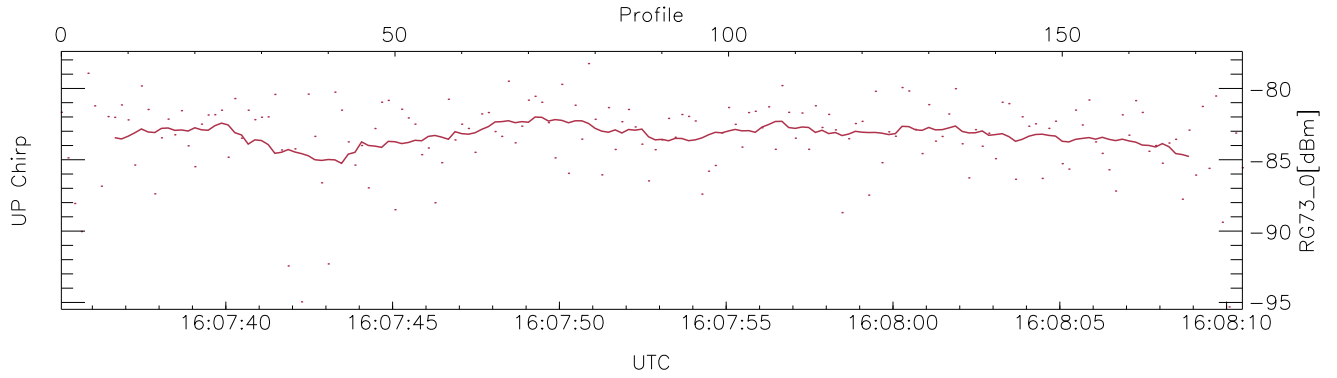
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG73_0	-67.38	-66.95	-67.15	-67.15	-83.86
UP_P_RG49_0	-69.16	-68.59	-68.84	-68.83	-85.22
DOWN_C_RG45_0	-65.94	-65.36	-65.63	-65.62	-81.20
DOWN_P_RG40_0	-67.44	-66.81	-67.12	-67.12	-82.42



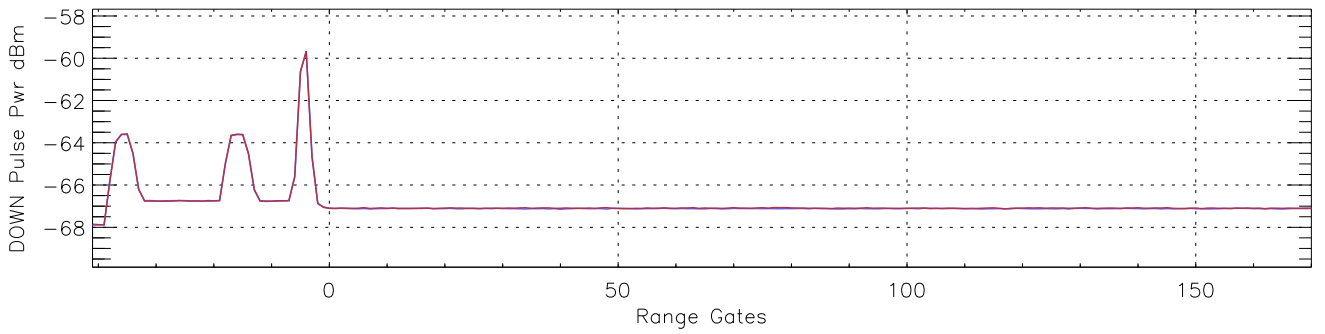
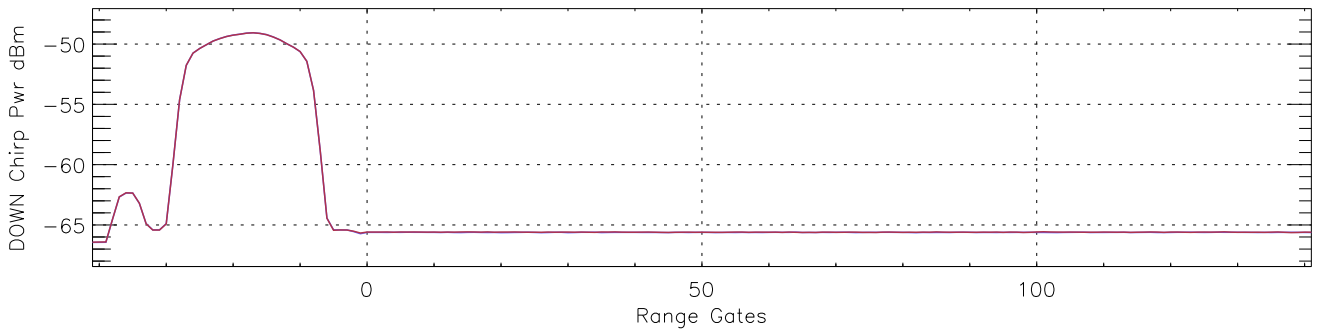
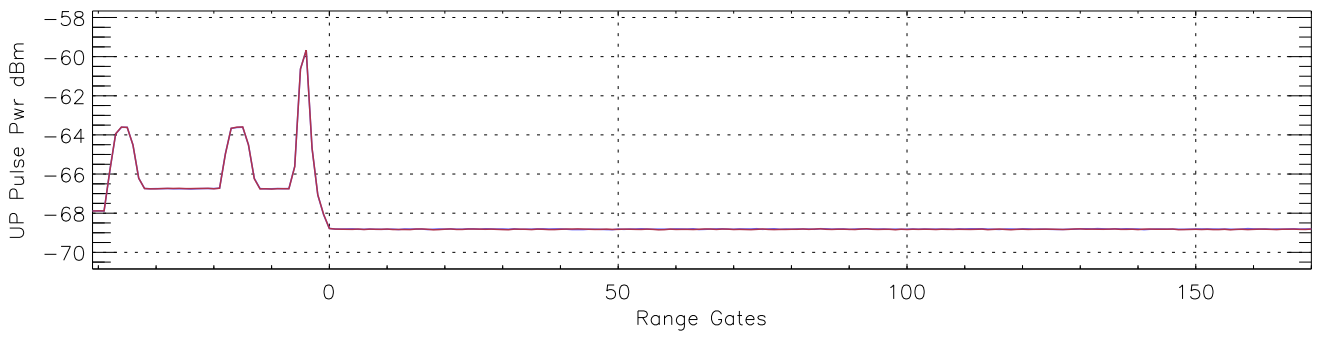
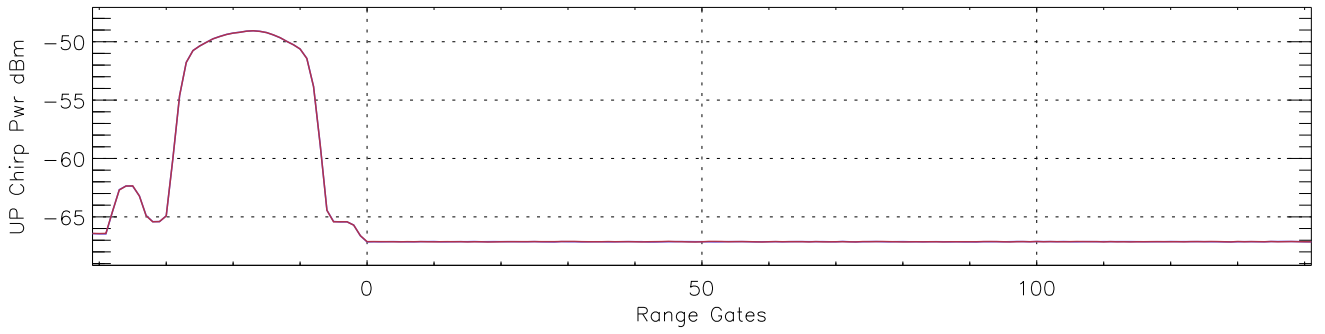
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-93.79	-78.58	-82.30	-82.58	-85.44
UP Pulse(dBm)	-97.40	-79.55	-84.16	-84.33	-87.00
DOWN Chirp(dBm)	-94.54	-77.09	-80.91	-81.01	-83.83
DOWN Pulse(dBm)	-96.69	-77.84	-82.63	-82.66	-85.41

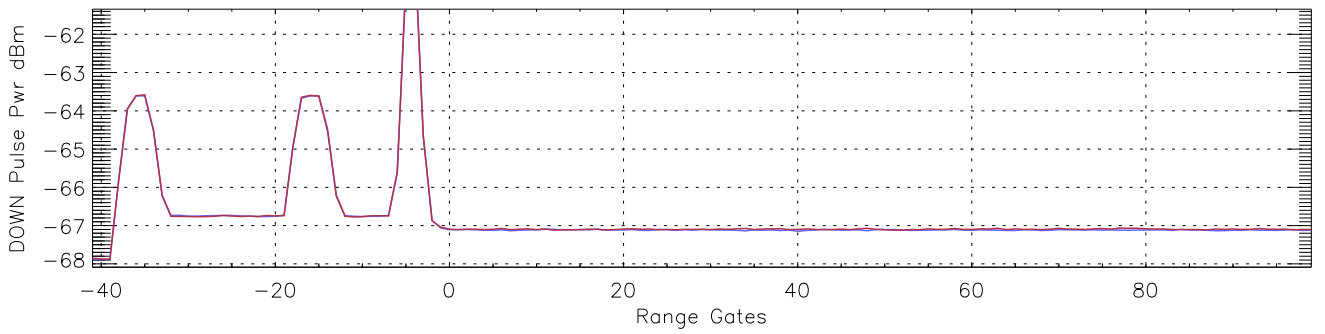
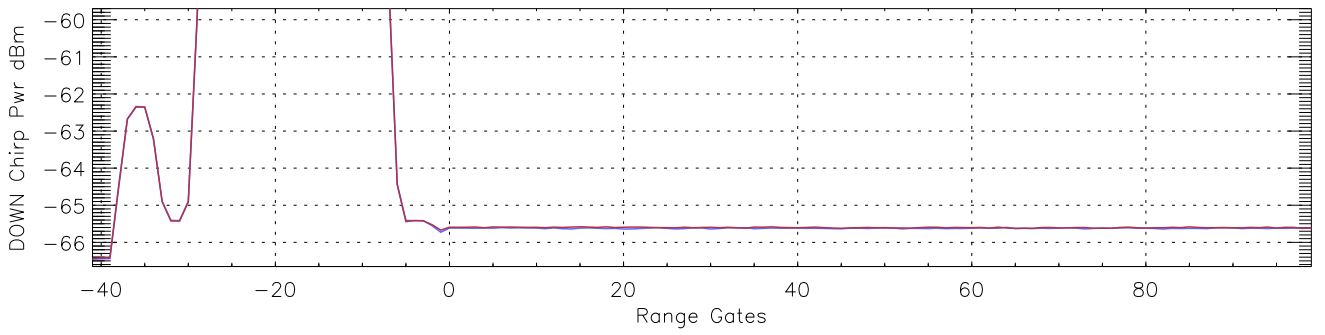
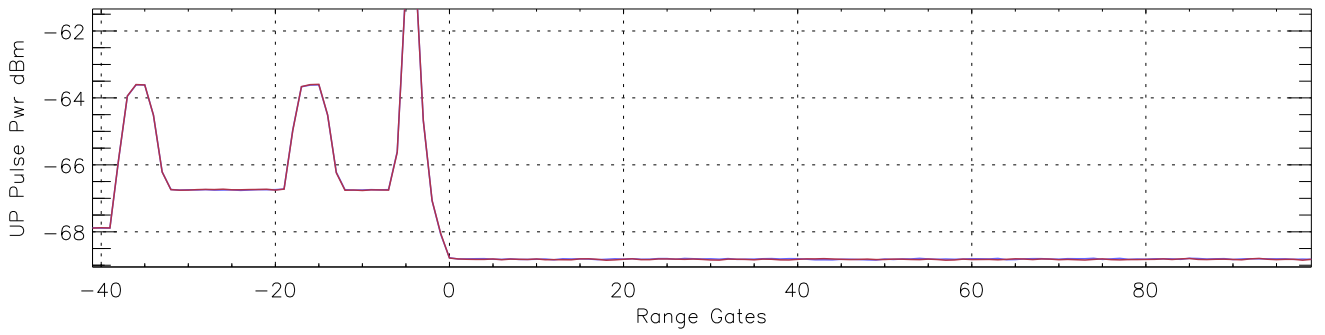
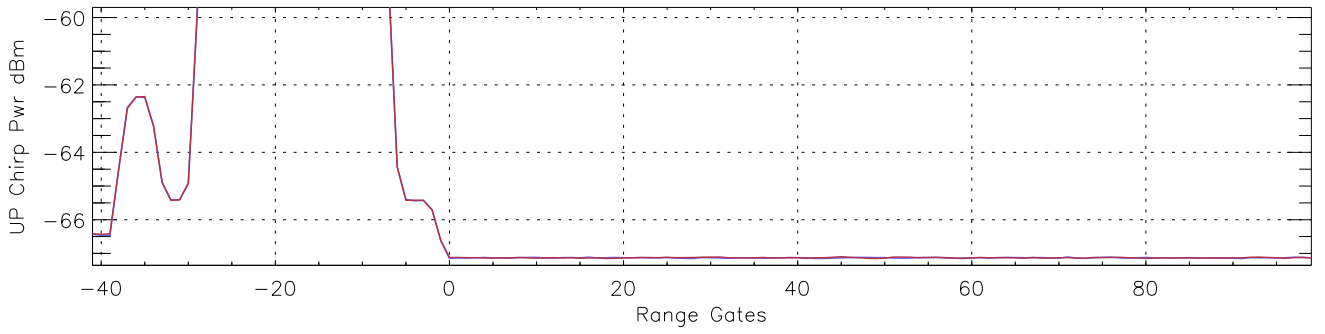


KPR SPP "Best" PPMAG noise (dBm):

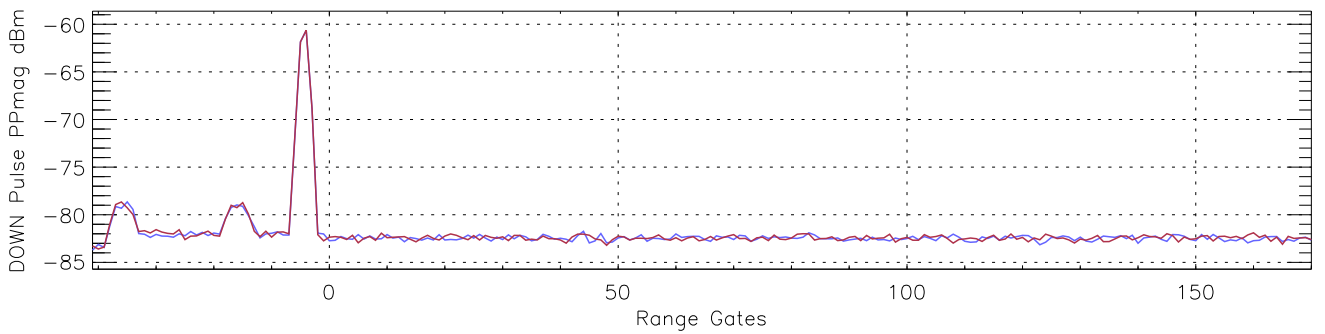
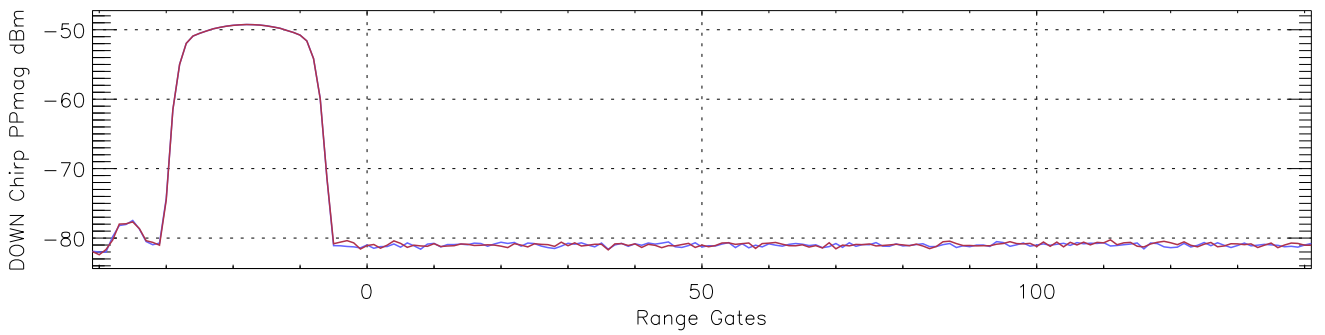
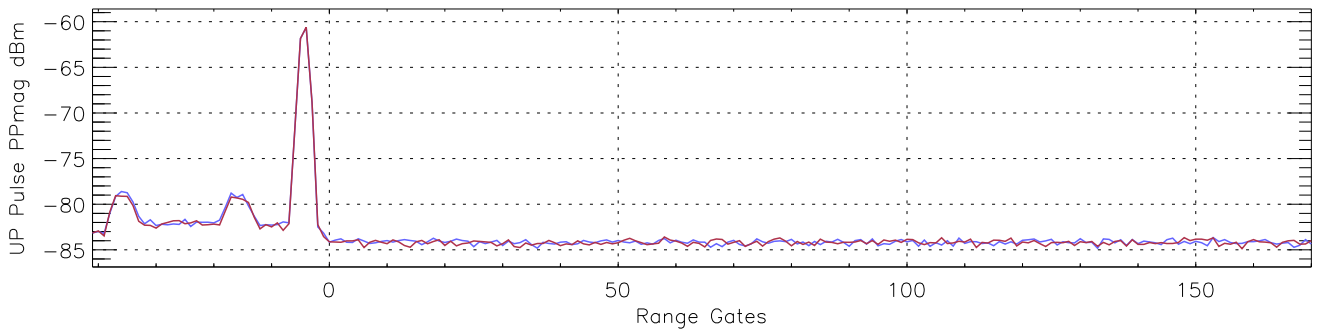
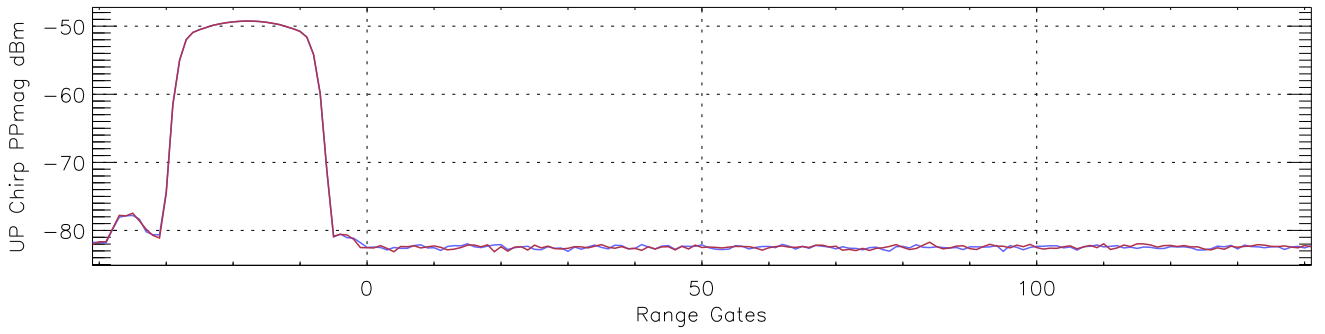
	Min	Max	Mean	Median	StDev
UP_C_RG73_0	-95.31	-78.26	-82.78	-82.87	-86.03
UP_P_RG49_0	-94.71	-80.48	-84.25	-84.46	-87.48
DOWN_C_RG45_0	-94.24	-77.03	-80.81	-80.98	-84.01
DOWN_P_RG40_0	-93.65	-78.40	-82.55	-82.71	-85.19



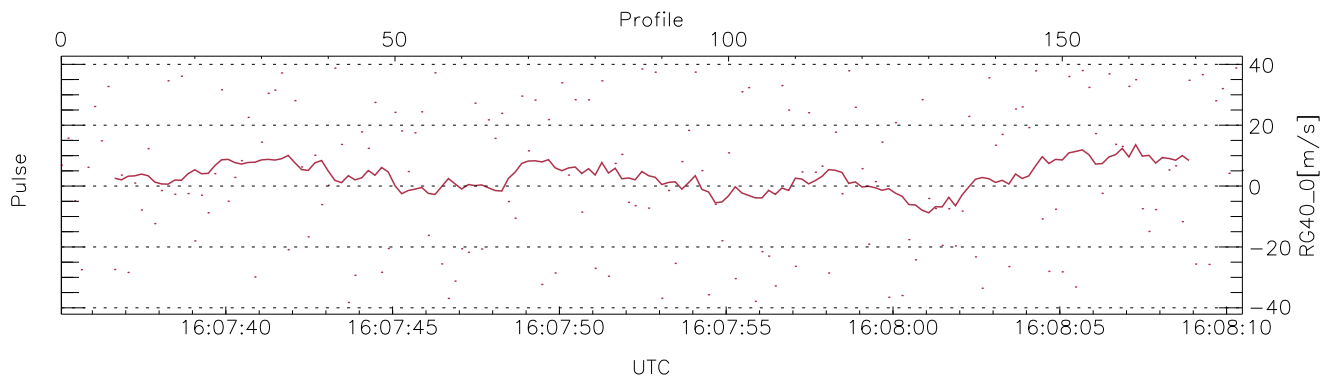
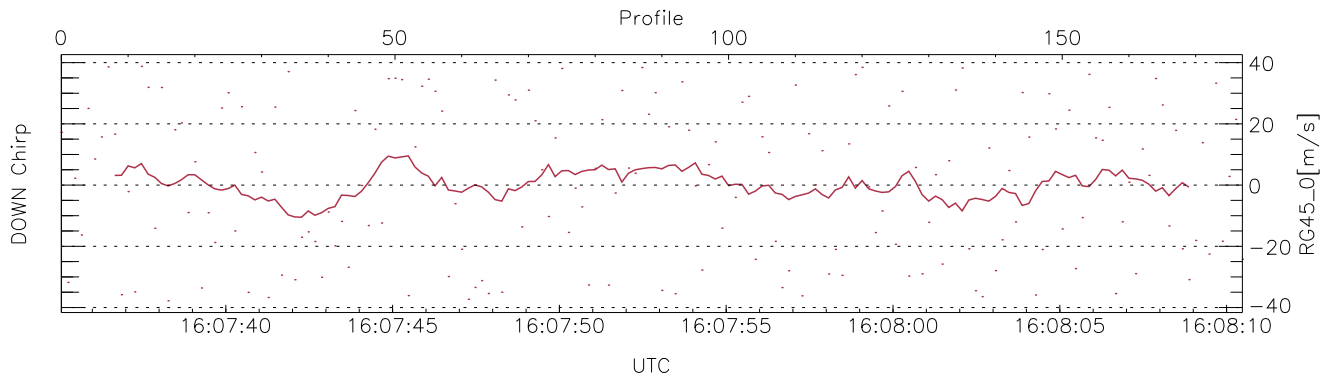
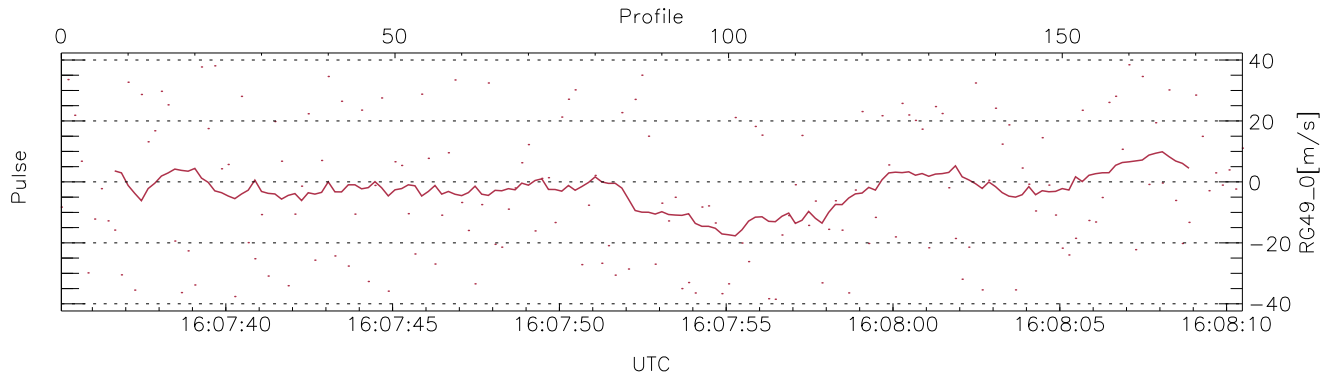
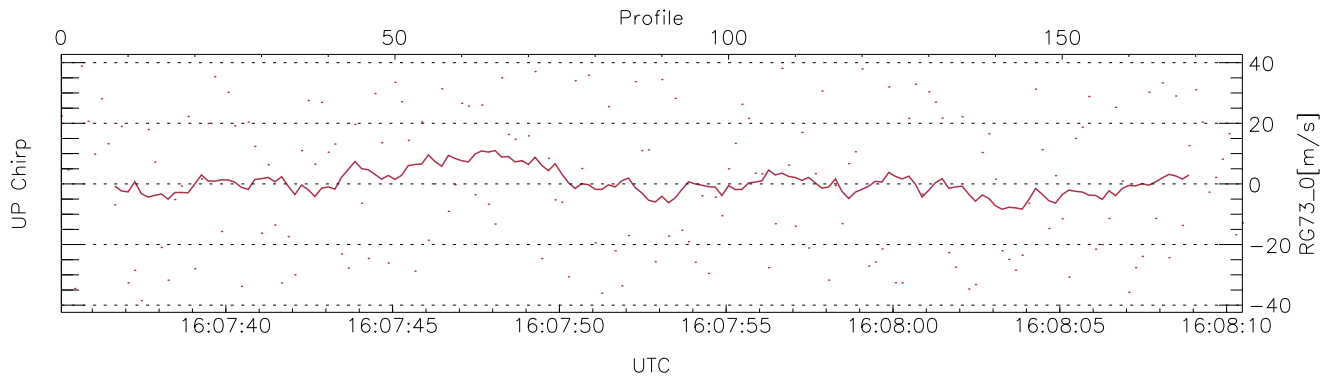
KPR SPP Averaged Received power for all recorded gates
blue: 160735-160752, 90 profiles averaged
red: 160752-160810, 89 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 160735-160752, 90 profiles averaged
red: 160752-160810, 89 profiles averaged

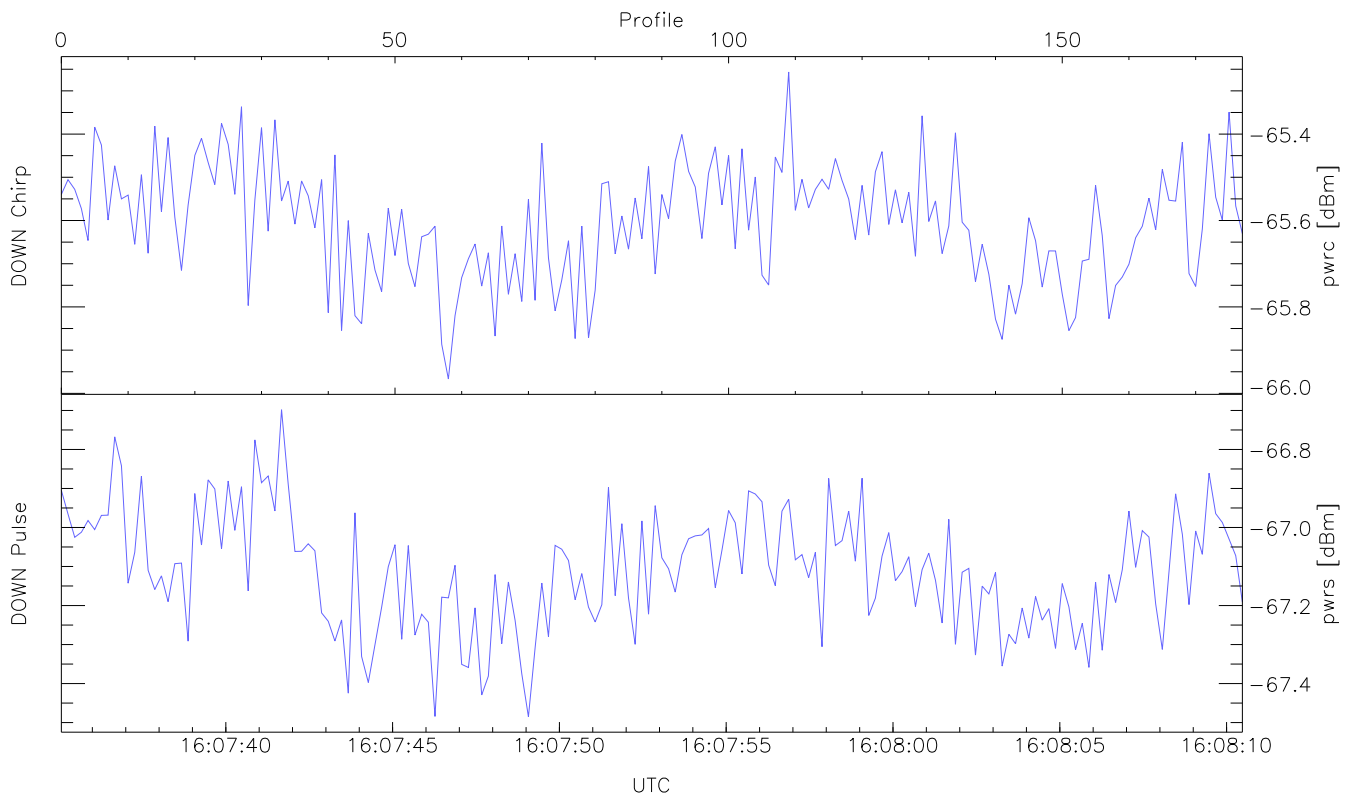
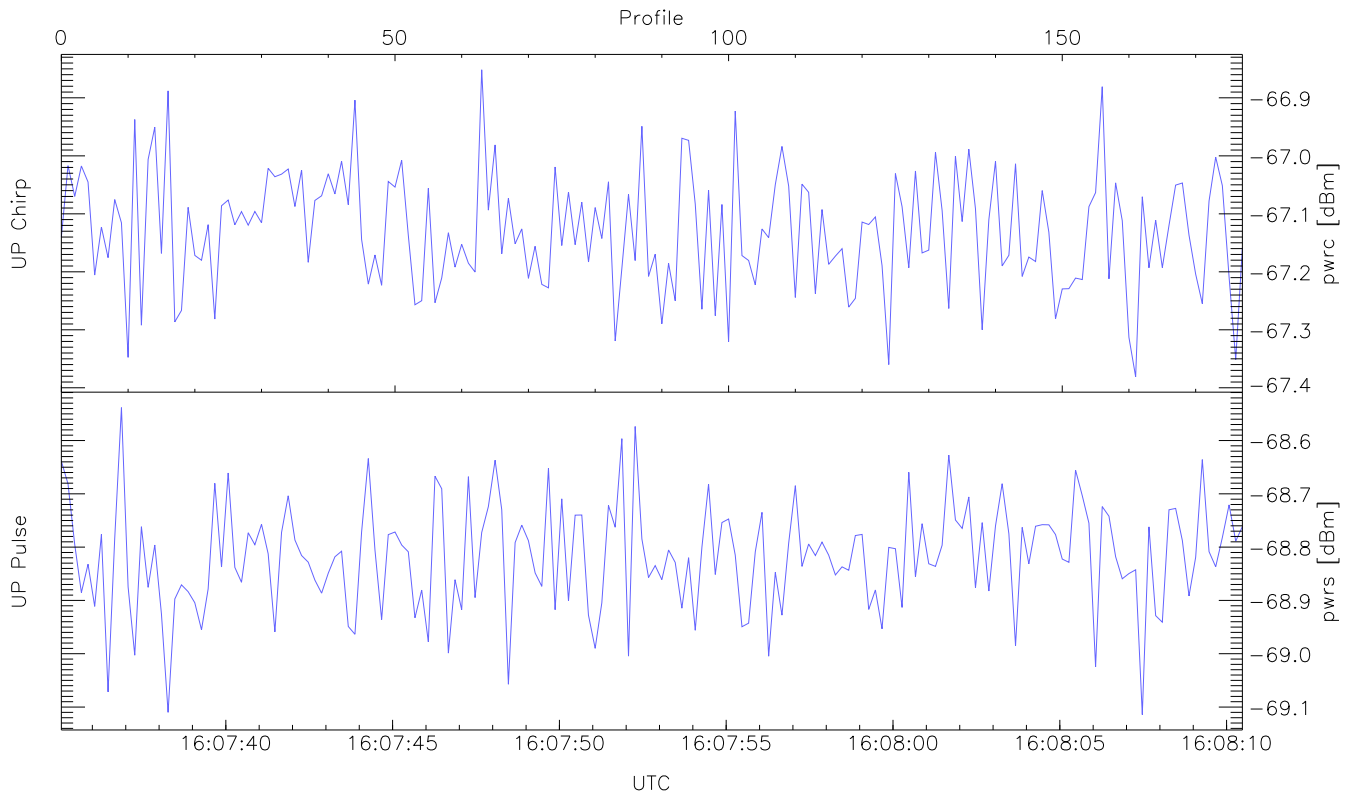


KPR SPP Averaged PP magnitude for all recorded gates
blue: 160735-160752, 90 profiles averaged
red: 160752-160810, 89 profiles averaged



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

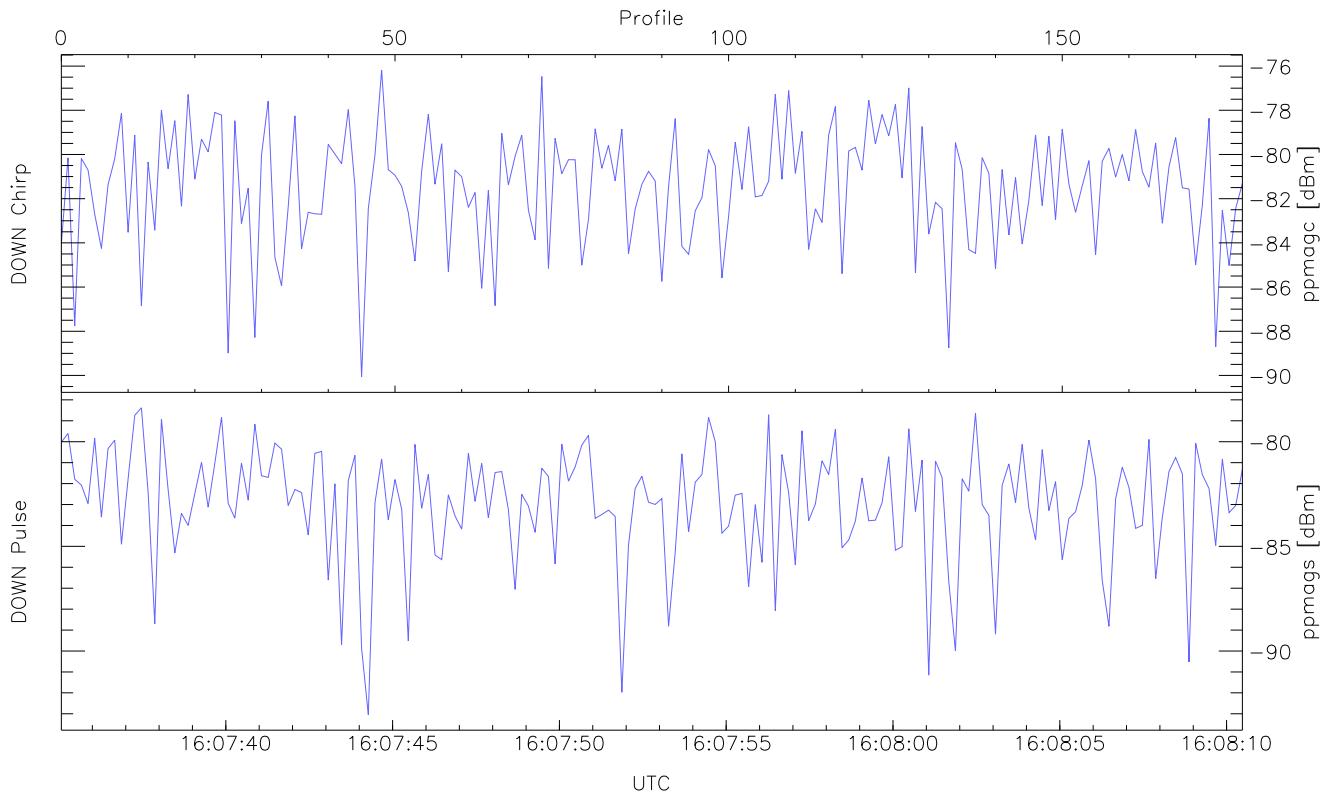
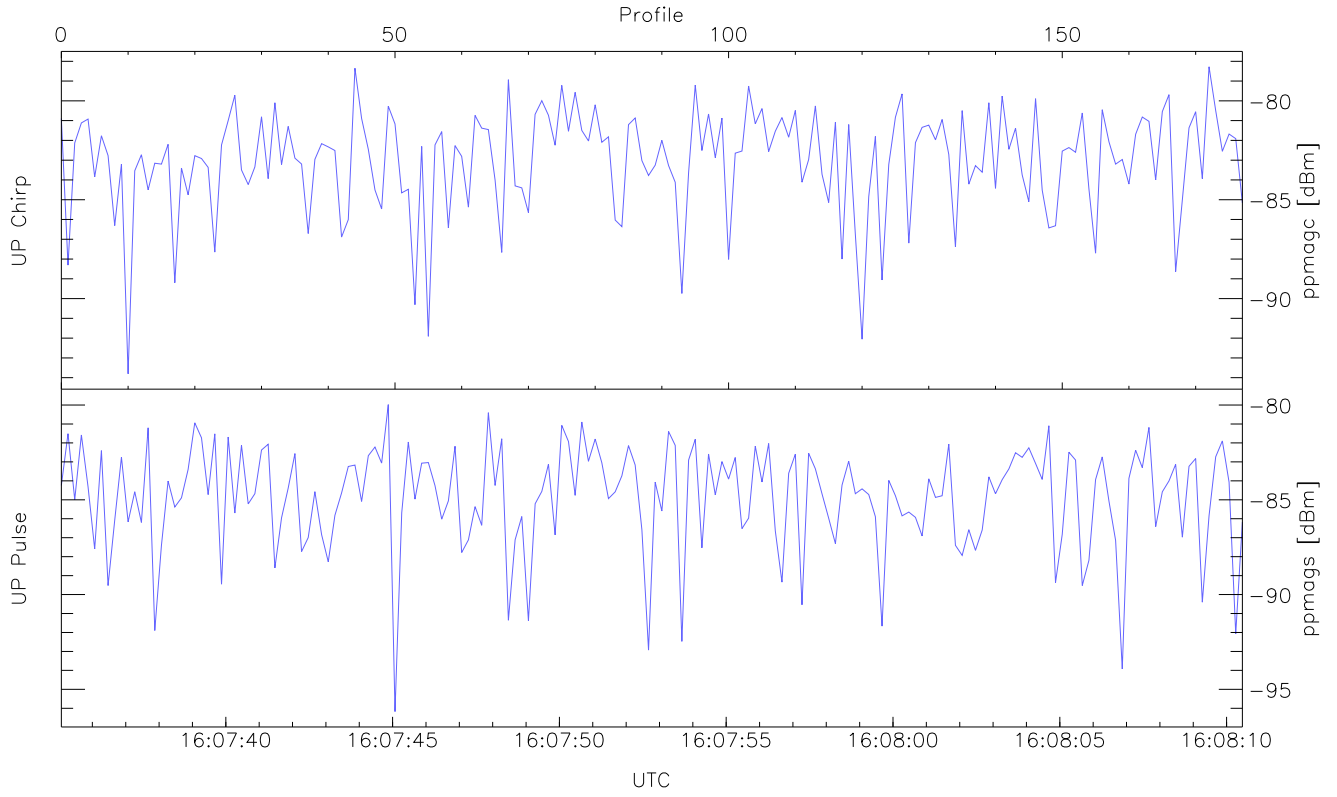
	Min	Max	Mean	Median	StDev
UP_C_RG73_0	-38.50	38.86	0.77	2.75	22.34
UP_P_RG49_0	-38.50	38.44	-2.38	-2.89	21.73
DOWN_C_RG45_0	-37.82	38.79	0.15	0.92	24.26
DOWN_P_RG40_0	-38.24	38.82	3.47	5.08	23.00



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

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

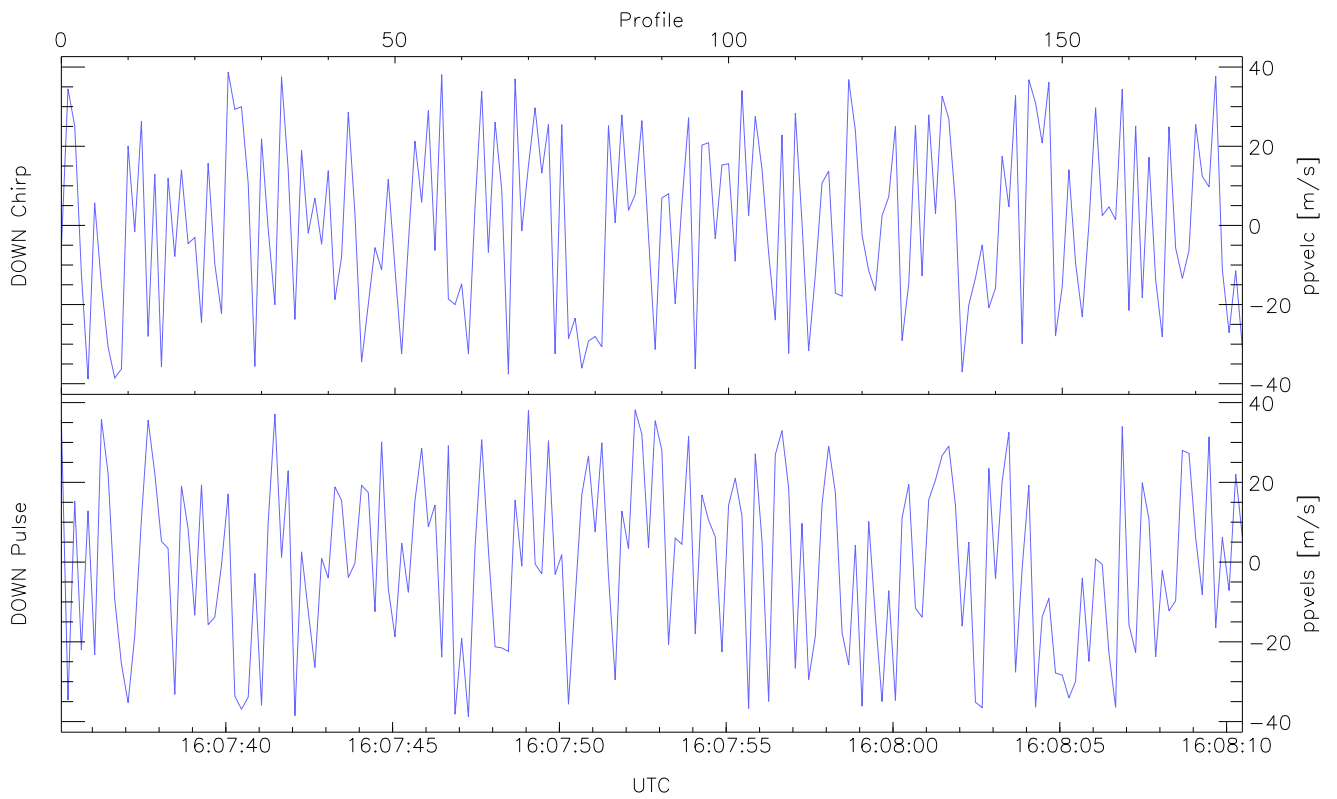
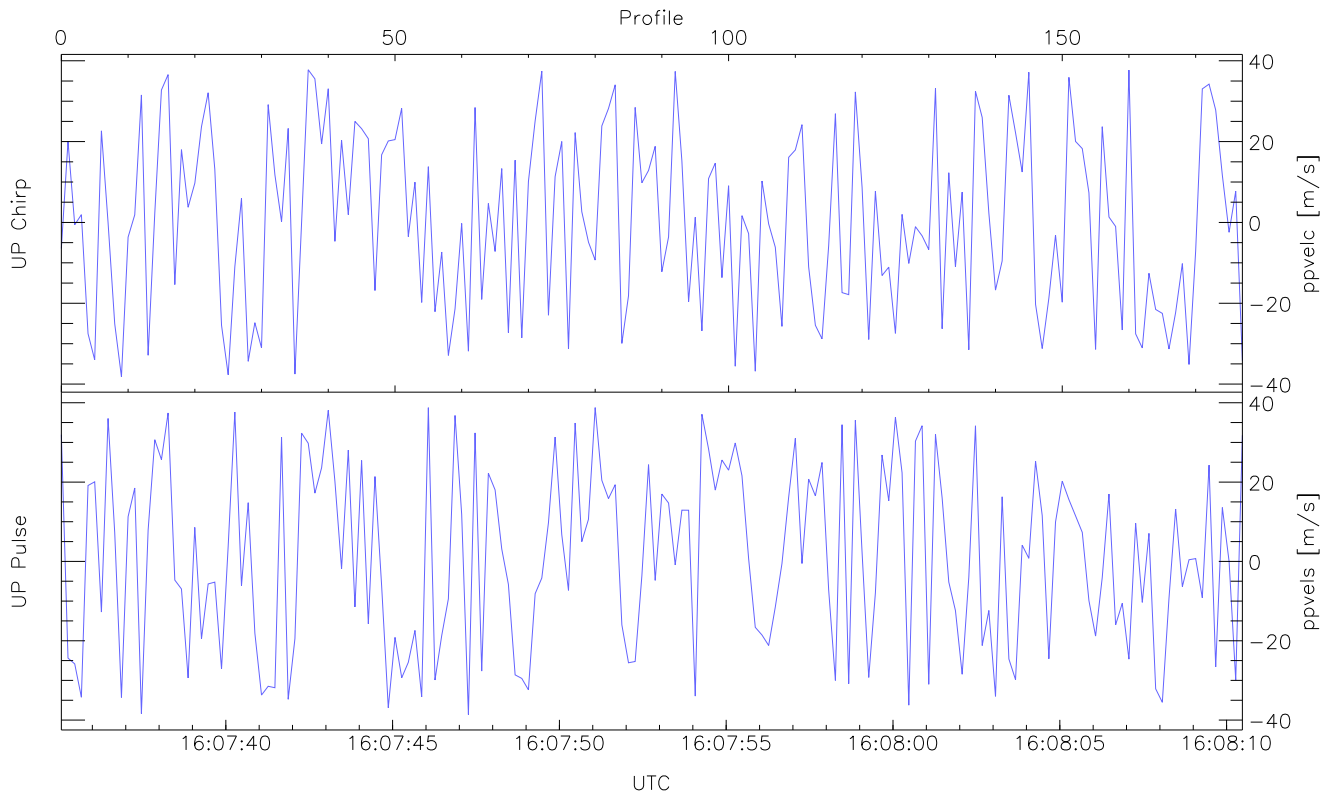
	Min	Max	Mean
UP Chirp(dBm)	-67.38	-66.85	-67.13
UP Pulse(dBm)	-69.11	-68.54	-68.82
DOWN Chirp(dBm)	-65.97	-65.26	-65.60
DOWN Pulse(dBm)	-67.49	-66.70	-67.11



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

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

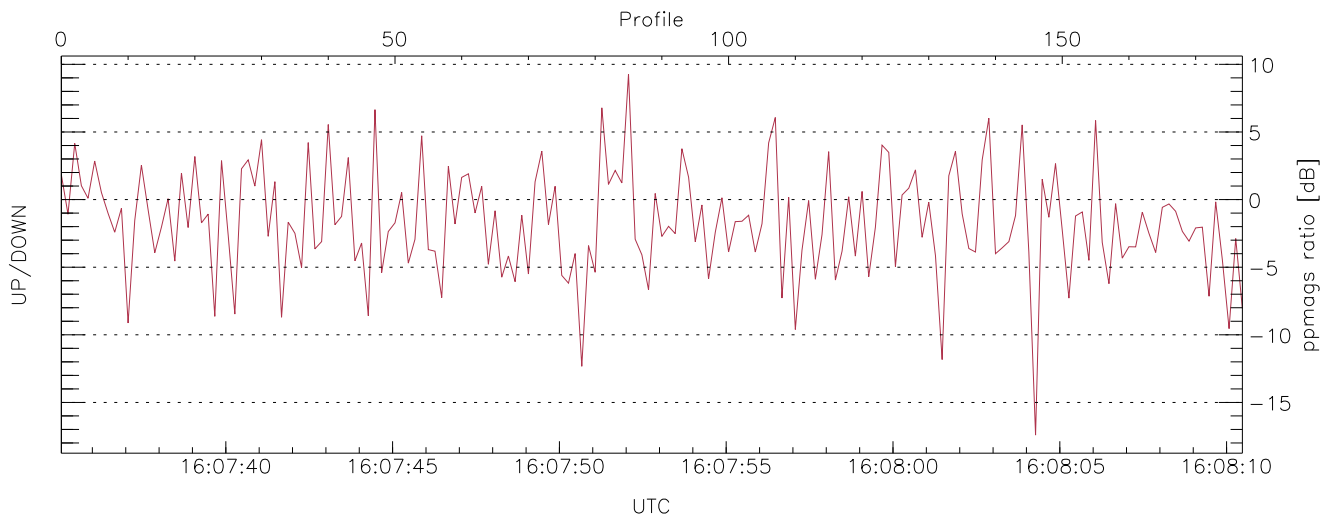
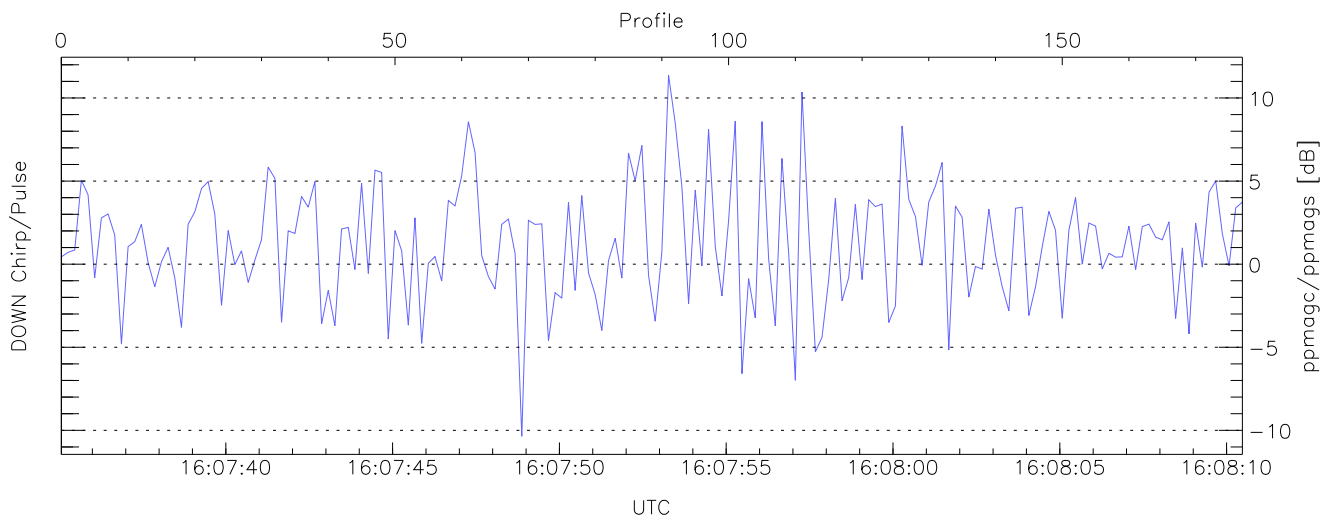
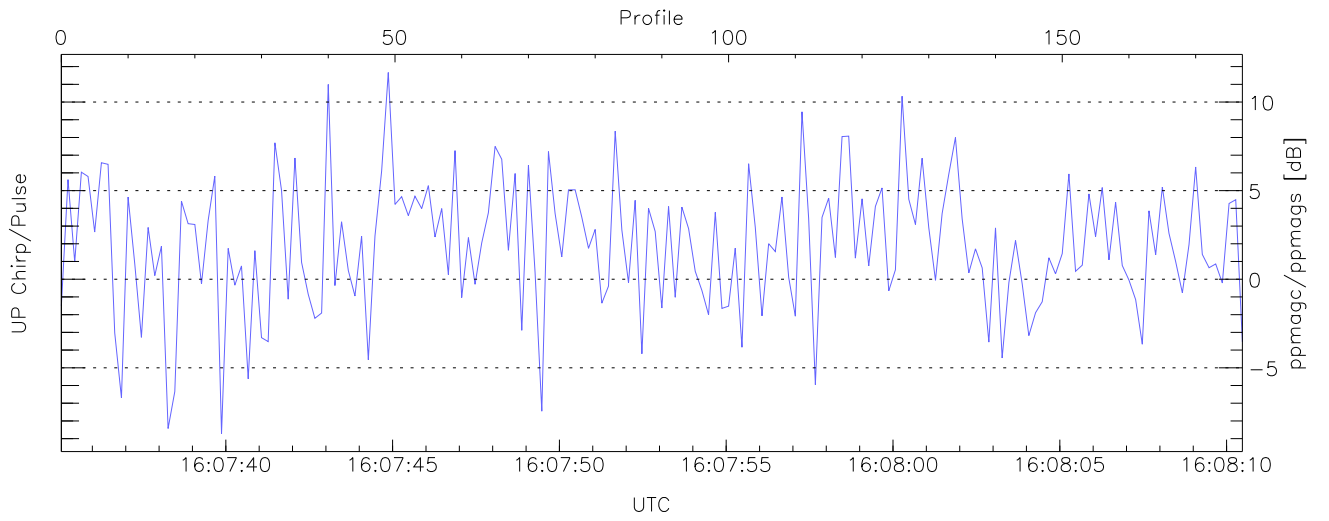
	Min	Max	Mean
UP Chirp(dBm)	-93.81	-78.28	-82.40
UP Pulse(dBm)	-96.18	-79.98	-84.15
DOWN Chirp(dBm)	-90.07	-76.18	-80.78
DOWN Pulse(dBm)	-93.05	-78.38	-82.24



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)	-38.20	37.78	0.36
UP Pulse(m/s)	-38.62	38.79	1.11
DOWN Chirp(m/s)	-38.81	38.76	0.65
DOWN Pulse(m/s)	-38.81	38.21	-0.30



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-8.71	11.67	3.38
DOWN Chirp/Pulse(dBm)	-10.36	11.37	2.63
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-17.42	9.28	0.03