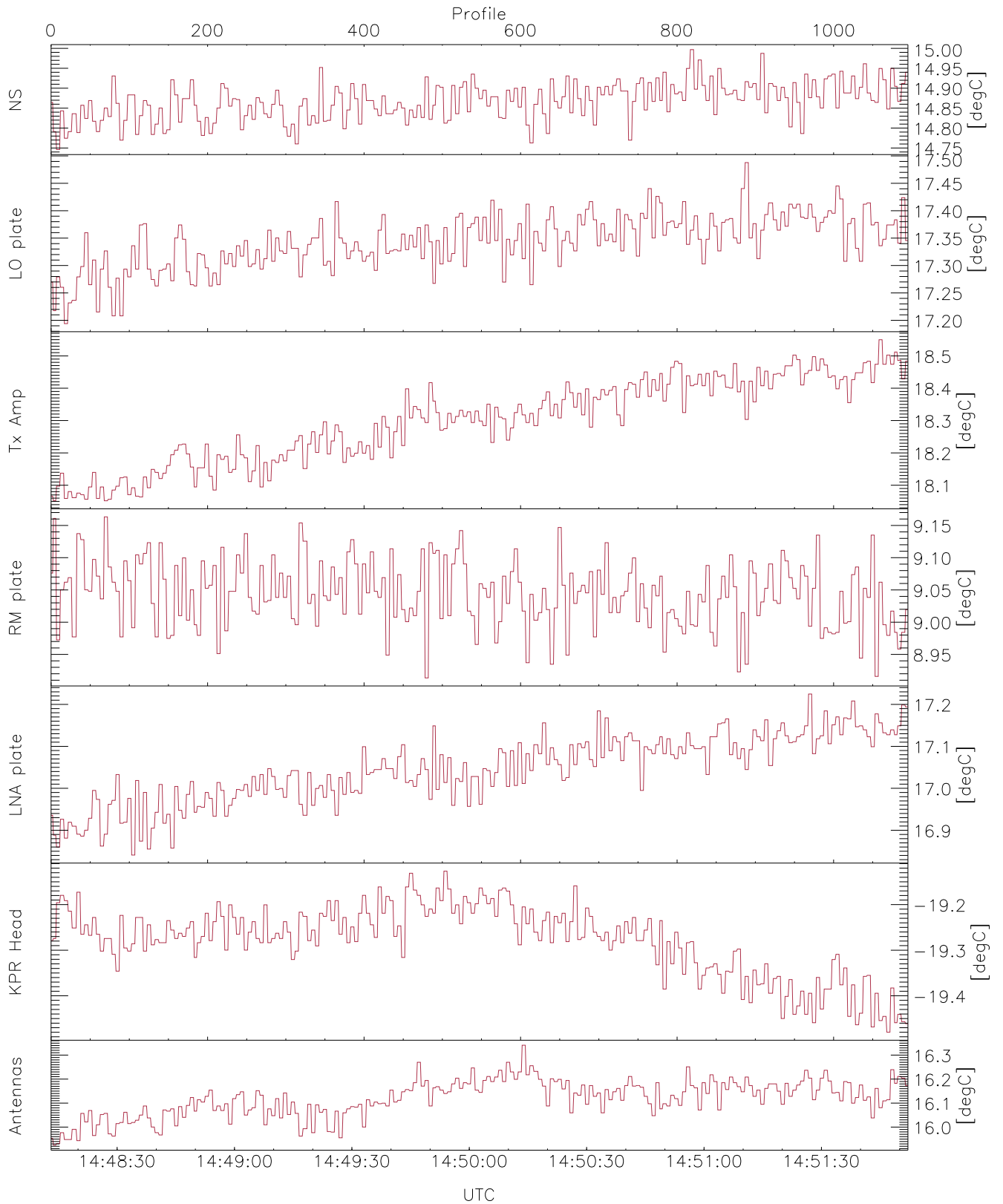


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF  
 UTC: 14:48:13-14:51:52, TimeCor: 0.00s, Dur: 219.00s  
 TimeInt(min,max,mn,std): 190.9,209.0,200.0,0.4 ms; PPS: 5.0  
 NumRec(r/t): 1096/1096, 0-1095/14:48:13-14:51:52  
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s  
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz  
 PRF: 20.0 KHz, avgPulses: 2000, avgPP: 1000  
 NyquistVel: 42.1 m/s, RangeRes:30.0 m  
 Pulse Range(min,max): 120, 6506 m, Gates: 427  
 Chirp Range(min,max): 536, 6487 m, Gates: 398  
 RangeGateSampling: 15.0 m, Aspect: 0.8

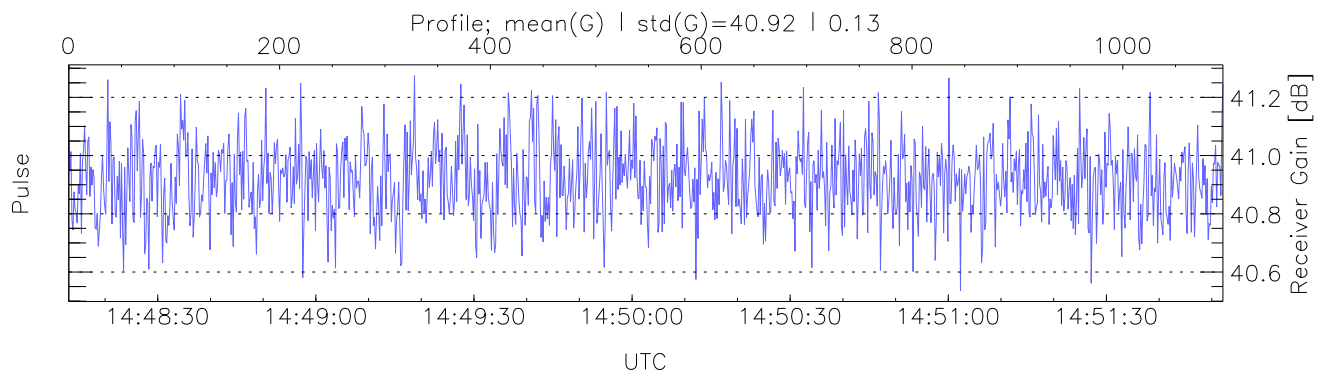
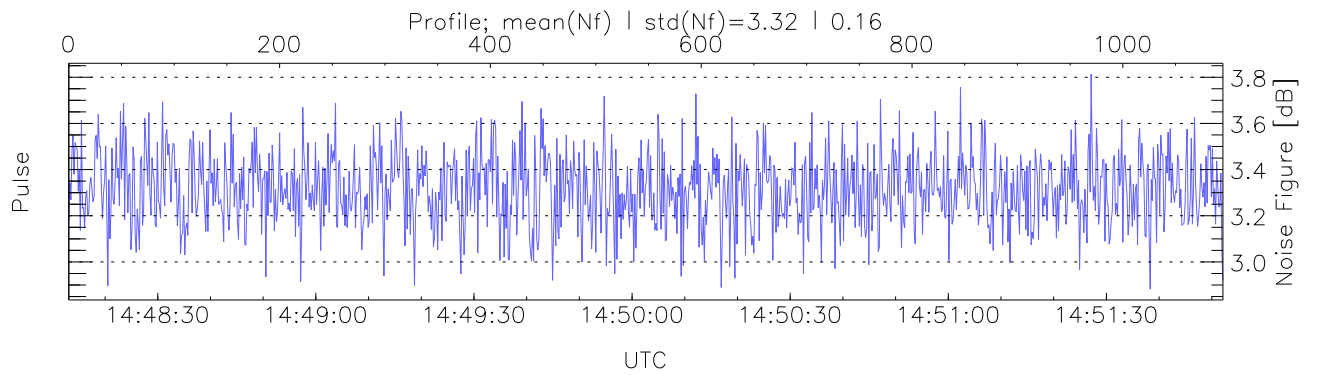
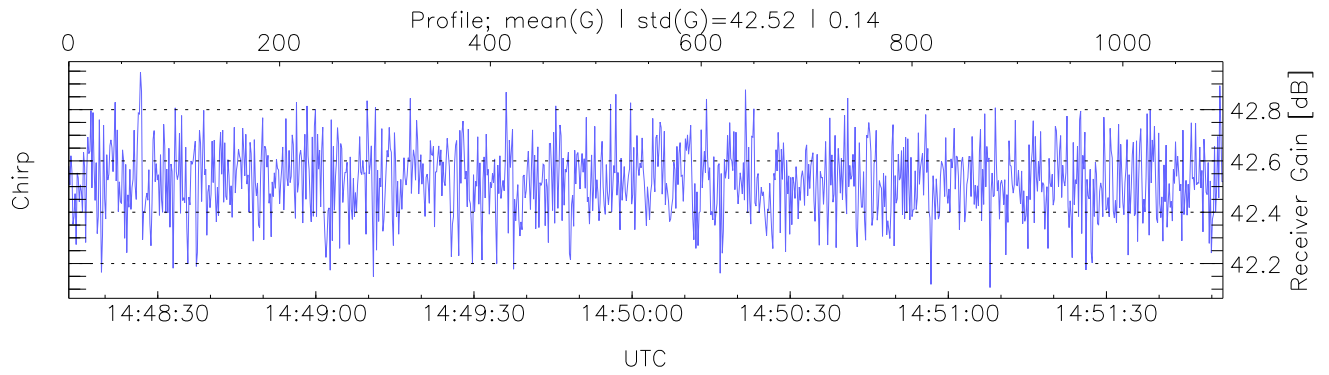
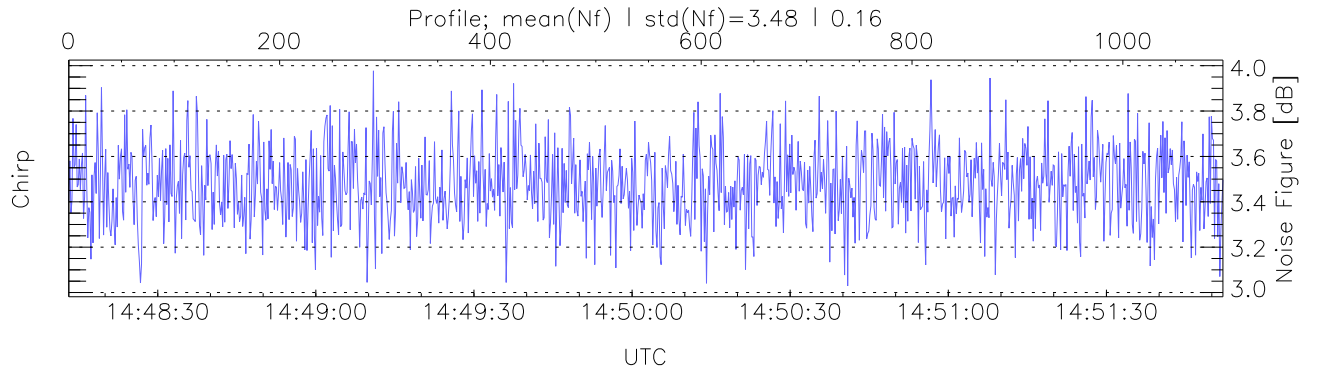


KPR SPP Temperatures, Power Supplies, PLO lock:

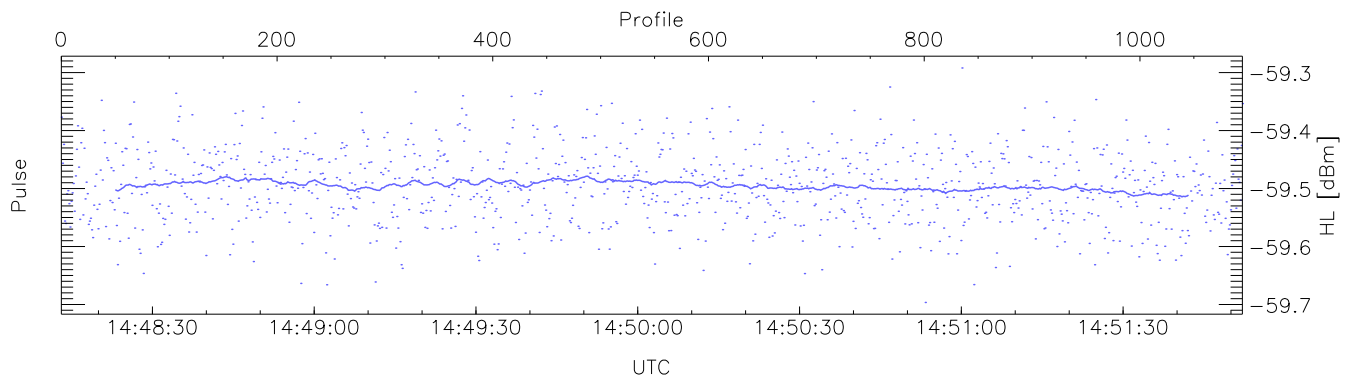
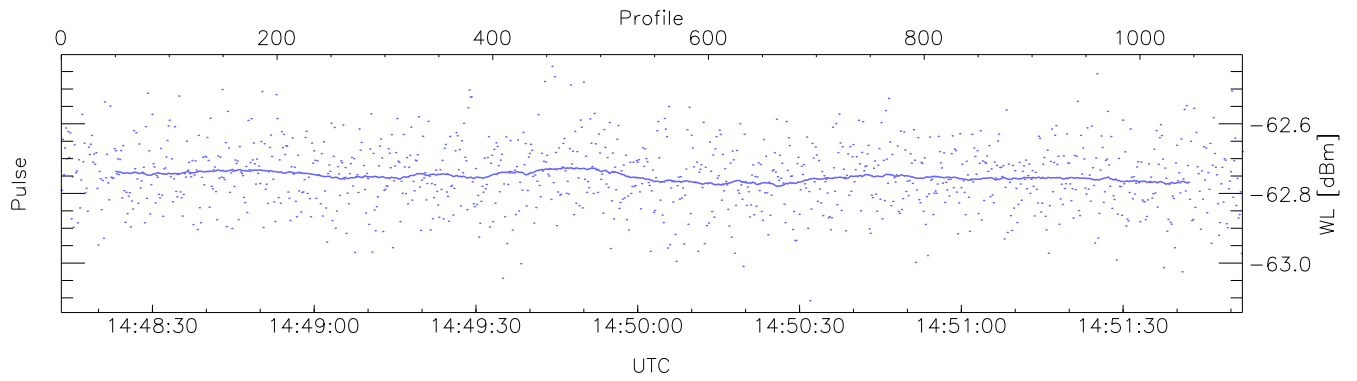
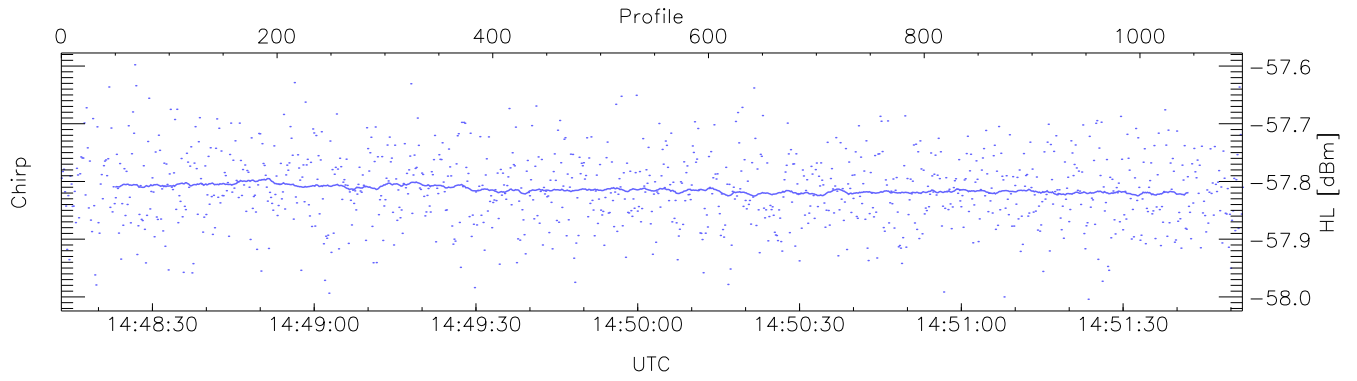
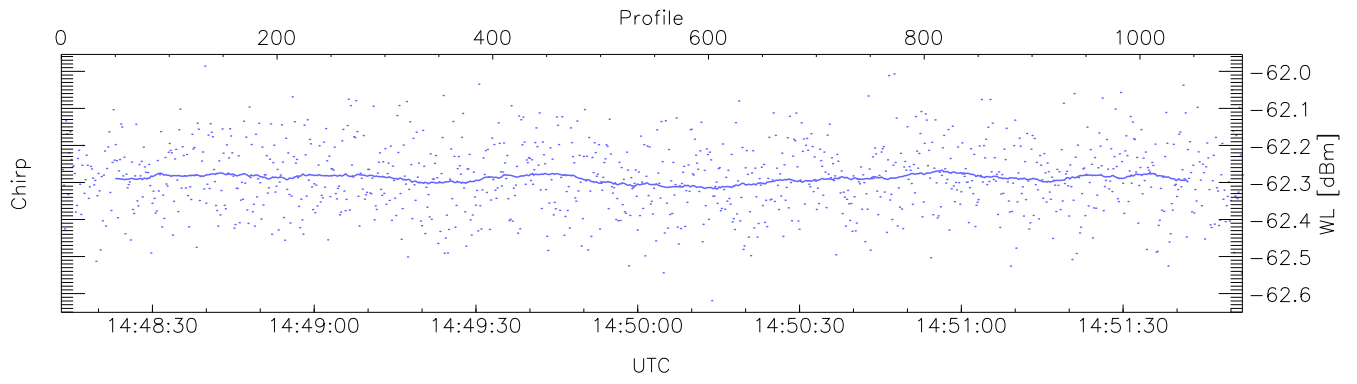
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	14.7,	17.2,	18.1,	8.9,	16.8,	-19.5,	15.9
maxtempC:	15.0,	17.5,	18.5,	9.2,	17.2,	-19.1,	16.3
meantempC:	14.9,	17.3,	18.3,	9.0,	17.0,	-19.3,	16.1

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.57,	11.69,	7.87,	5.21
maxVDC:	27.60,	11.74,	7.90,	5.23
meanVDC:	26.66,	11.72,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

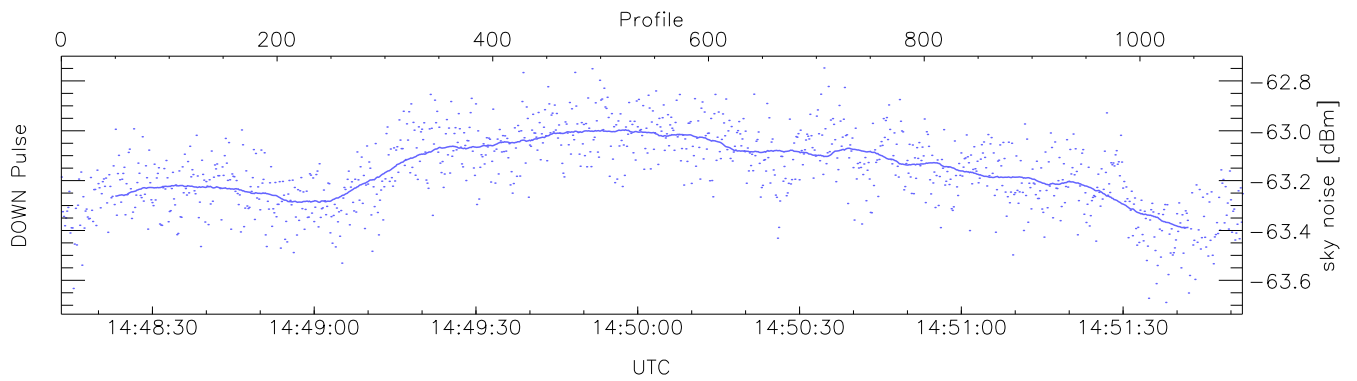
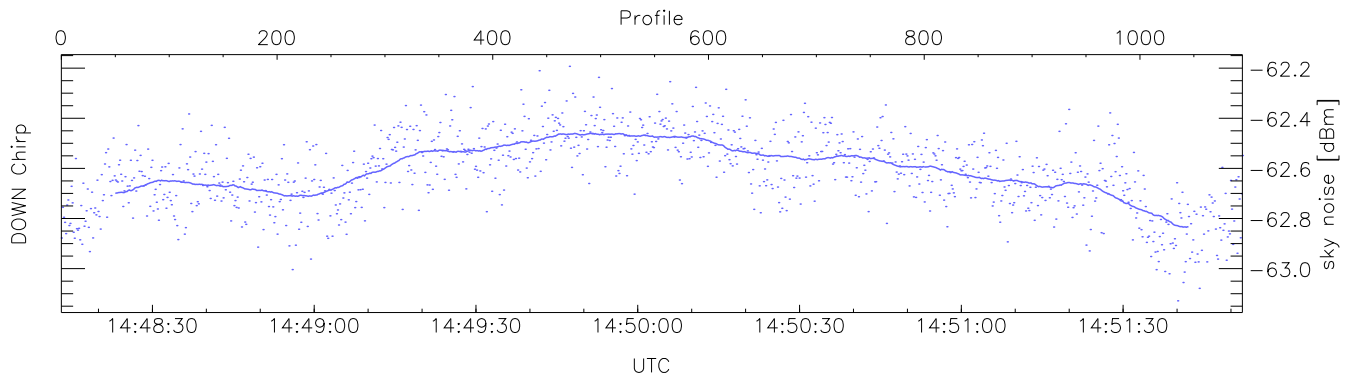
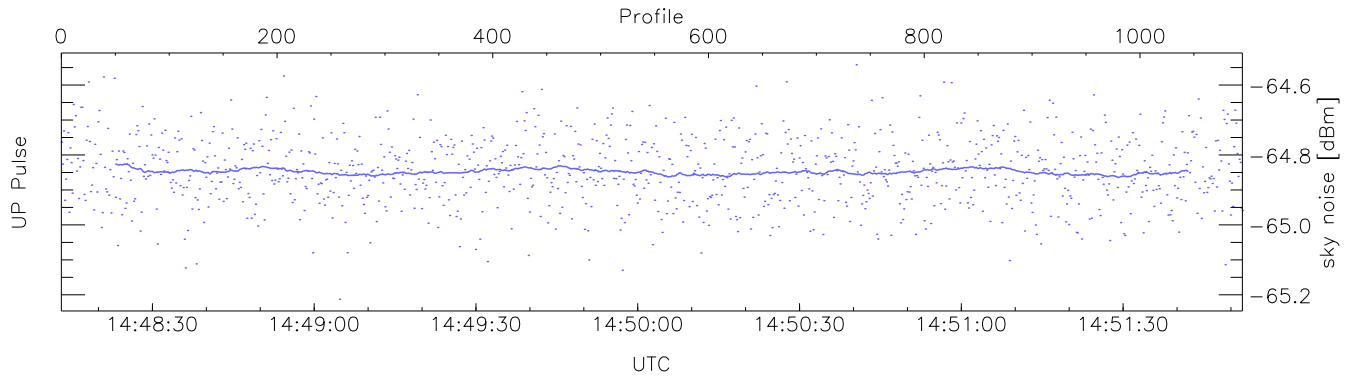
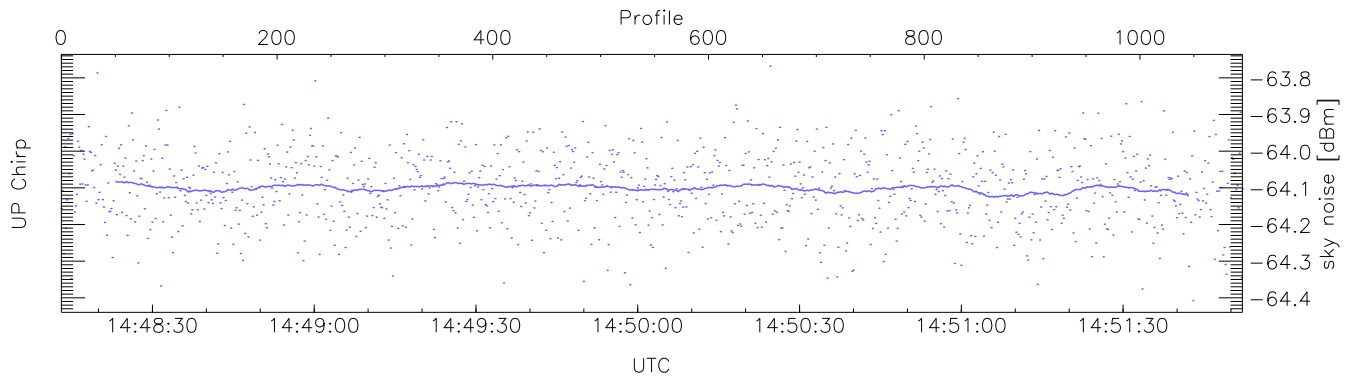


KPR SPP Receiver Gain and Noise Figure



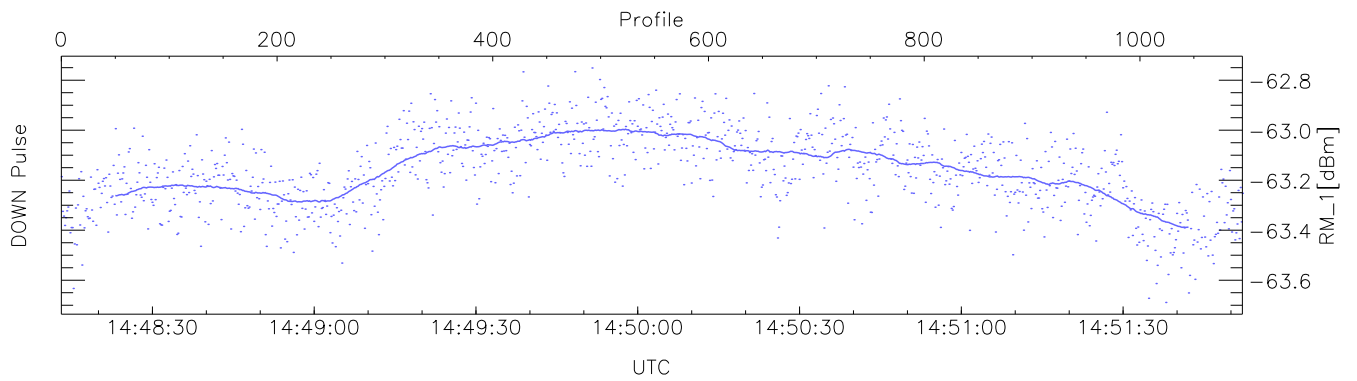
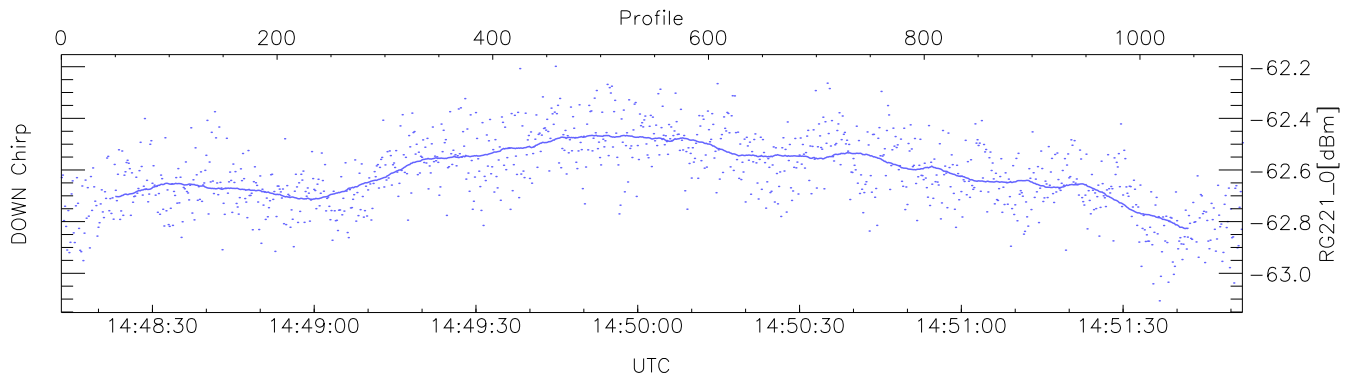
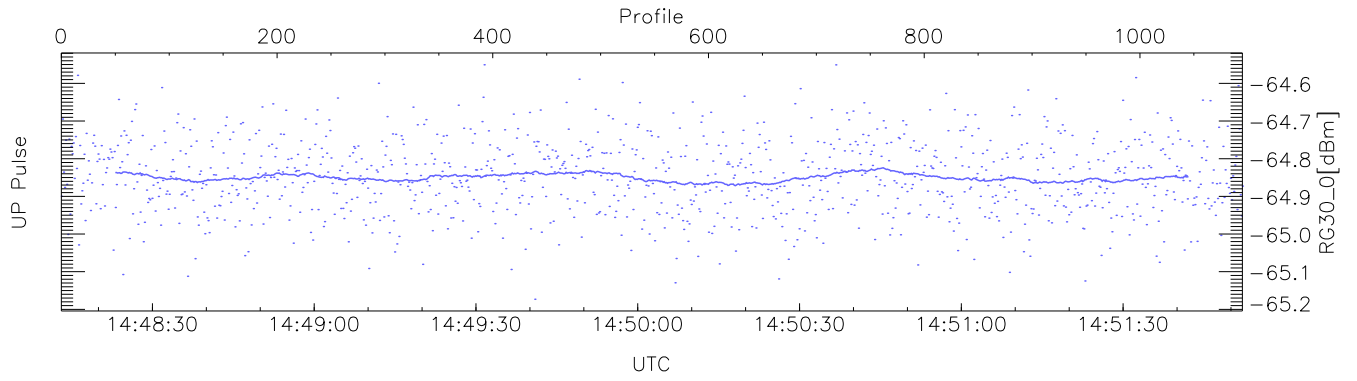
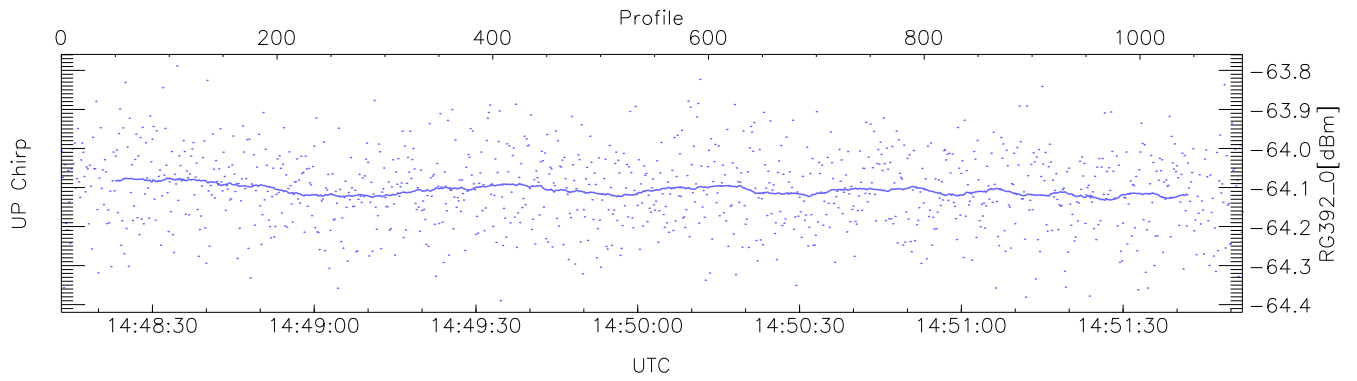
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.62	-61.99	-62.29	-62.29	-78.95
Chirp(HL [dBm])	-58.00	-57.60	-57.81	-57.82	-76.14
Pulse(WL [dBm])	-63.11	-62.43	-62.75	-62.75	-79.38
Pulse(HL [dBm])	-59.70	-59.29	-59.50	-59.50	-77.92



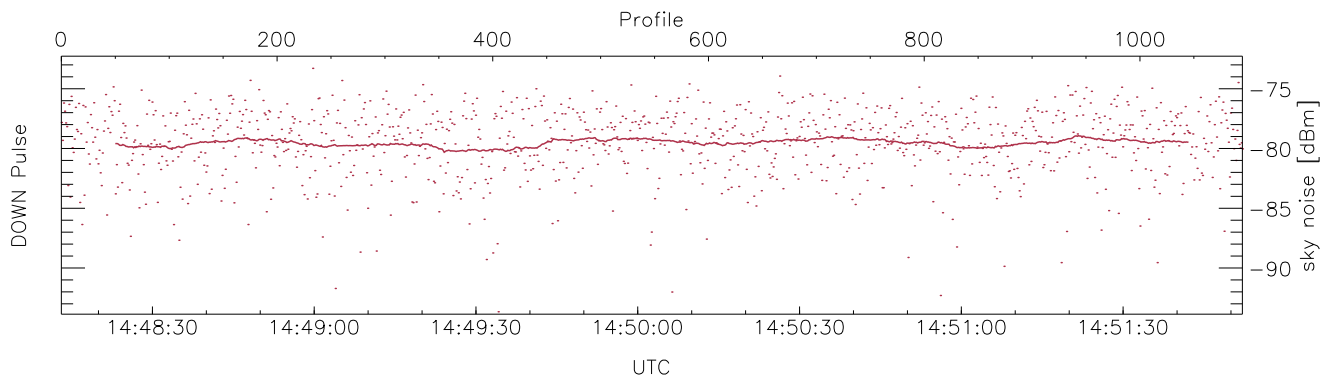
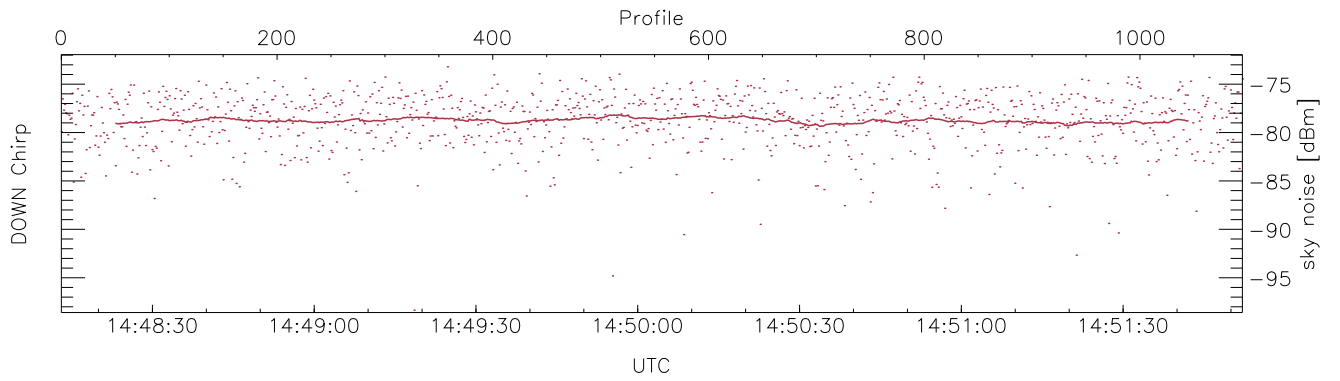
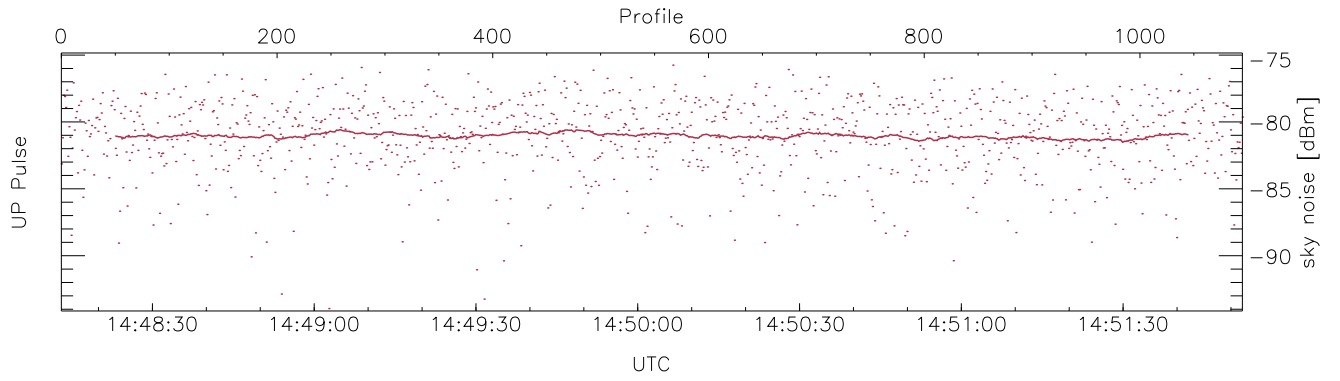
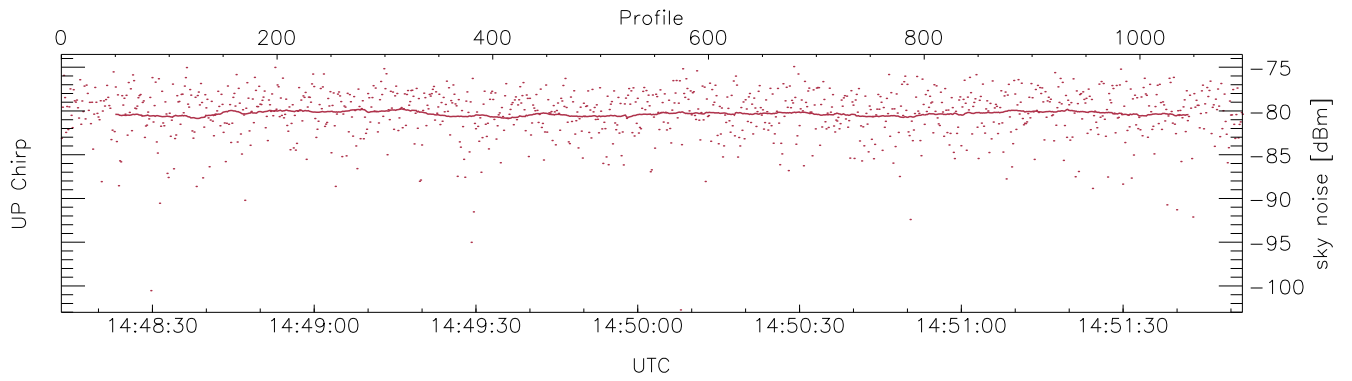
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.41	-63.77	-64.10	-64.10	-80.62
UP Pulse(dBm)	-65.21	-64.54	-64.85	-64.85	-81.40
DOWN Chirp(dBm)	-63.13	-62.19	-62.61	-62.61	-77.32
DOWN Pulse(dBm)	-63.69	-62.75	-63.16	-63.16	-77.62



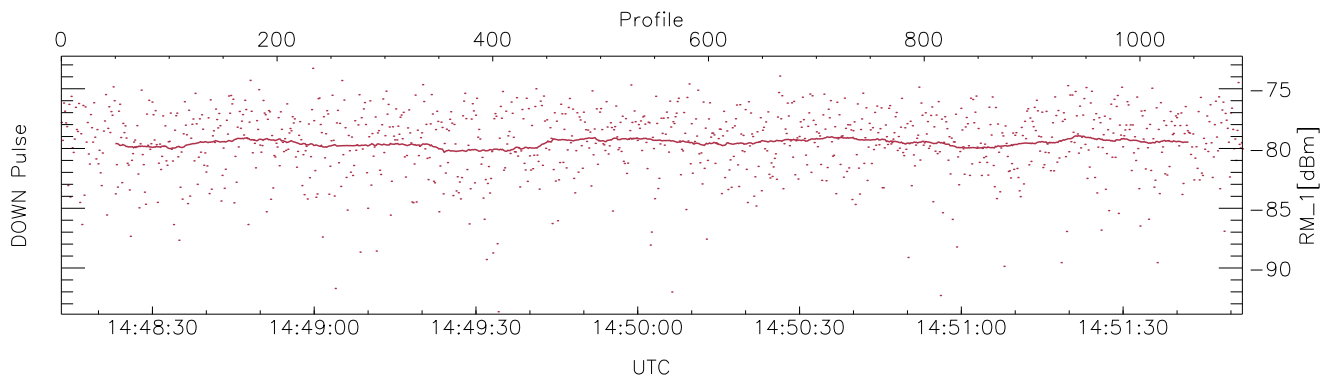
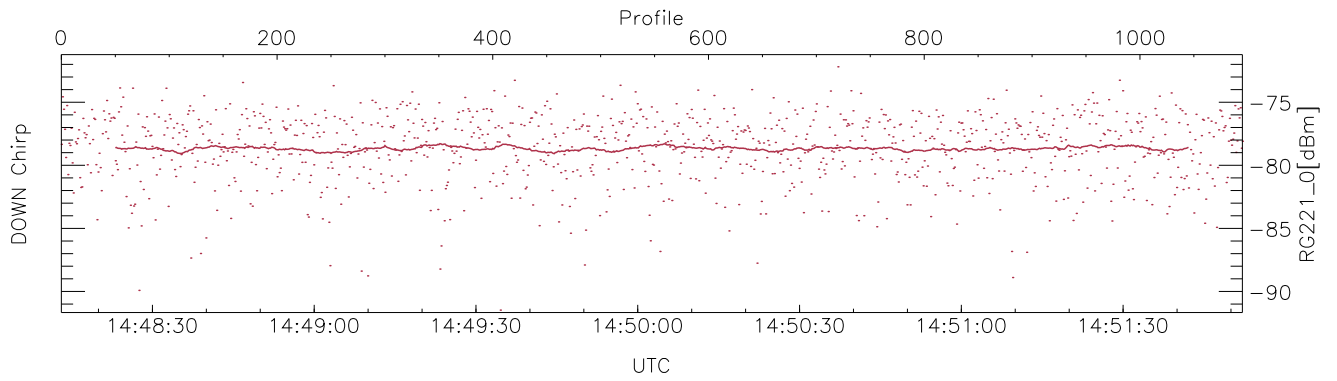
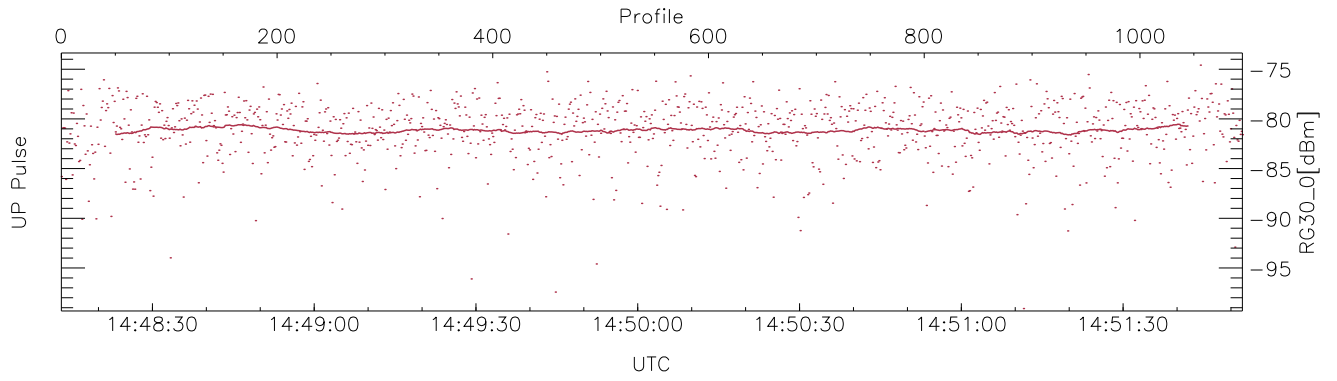
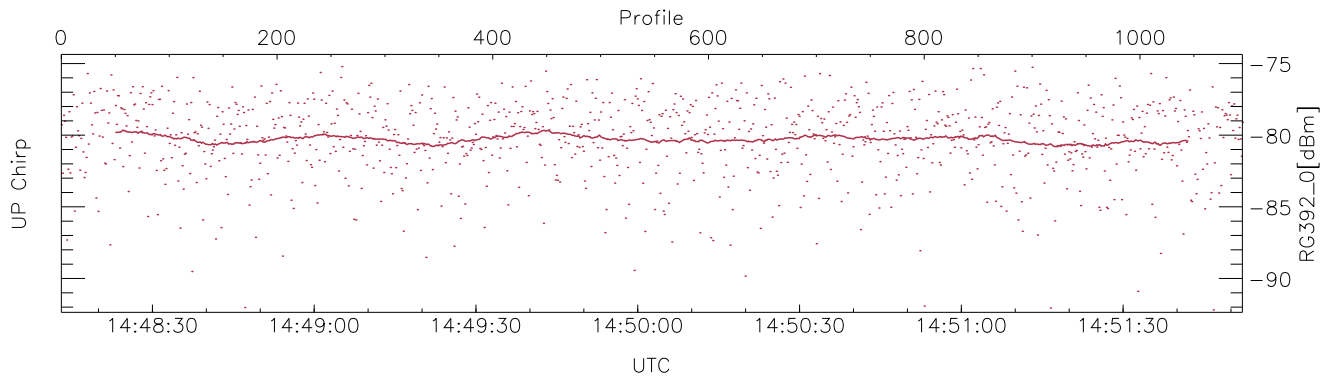
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG392_0	-64.39	-63.79	-64.11	-64.10	-80.55
UP_P_RG30_0	-65.17	-64.55	-64.85	-64.85	-81.32
DOWN_C_RG221_0	-63.11	-62.20	-62.62	-62.62	-77.42
DOWN_P_RM_1	-63.69	-62.75	-63.16	-63.17	-77.63



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

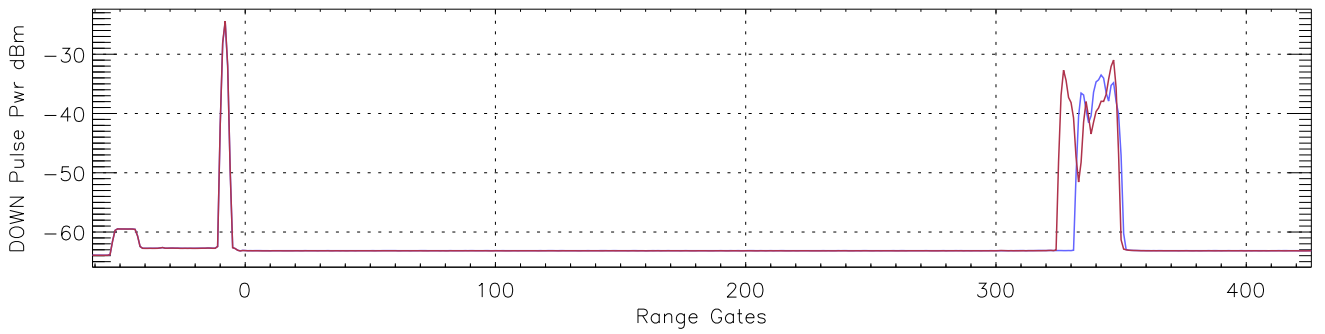
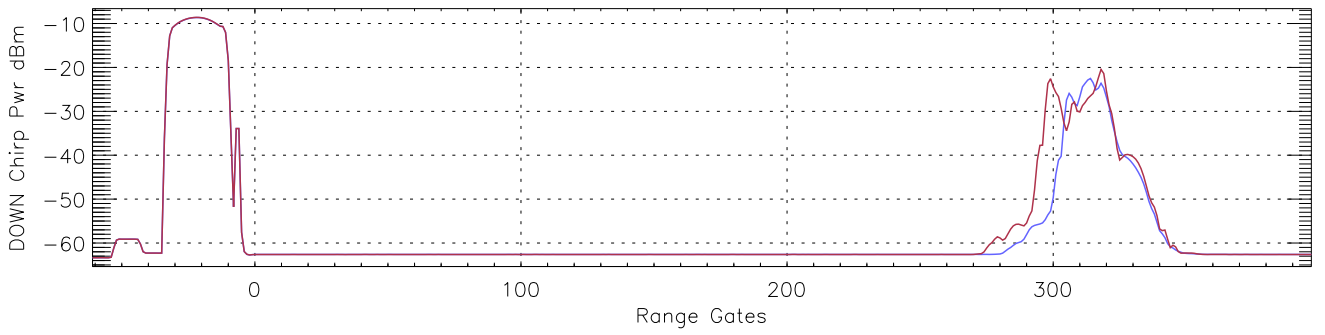
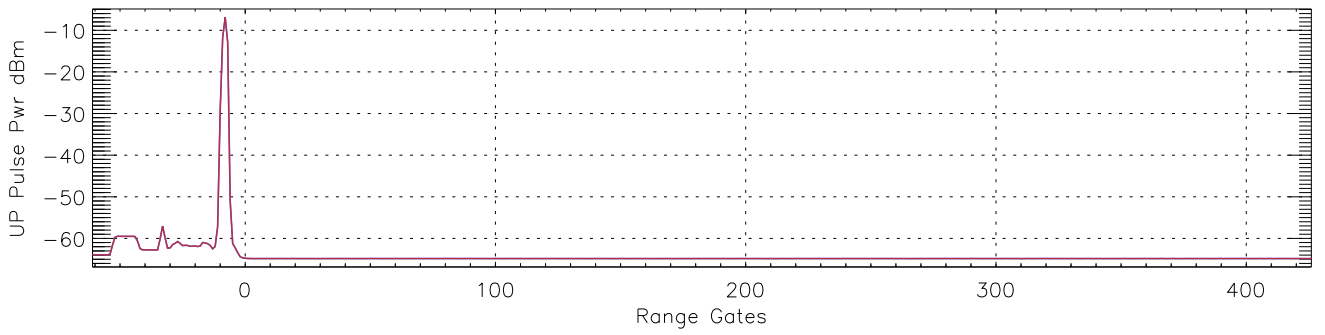
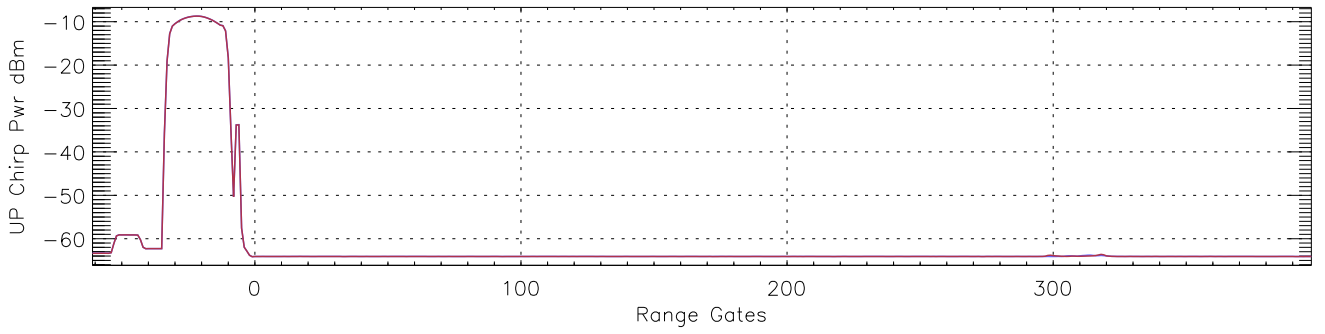
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-102.74	-74.93	-79.57	-79.82	-82.43
UP Pulse(dBm)	-93.95	-75.76	-80.33	-80.68	-83.16
DOWN Chirp(dBm)	-98.35	-73.20	-78.05	-78.27	-80.96
DOWN Pulse(dBm)	-93.66	-73.30	-78.77	-79.08	-81.48



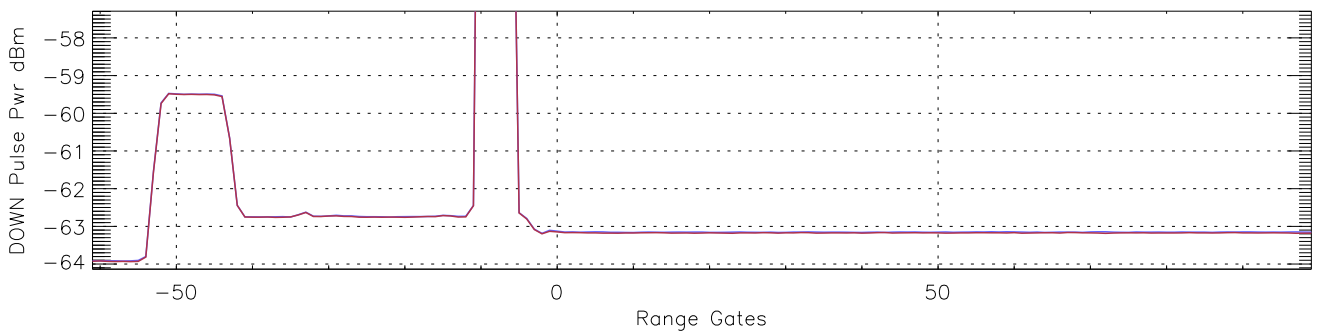
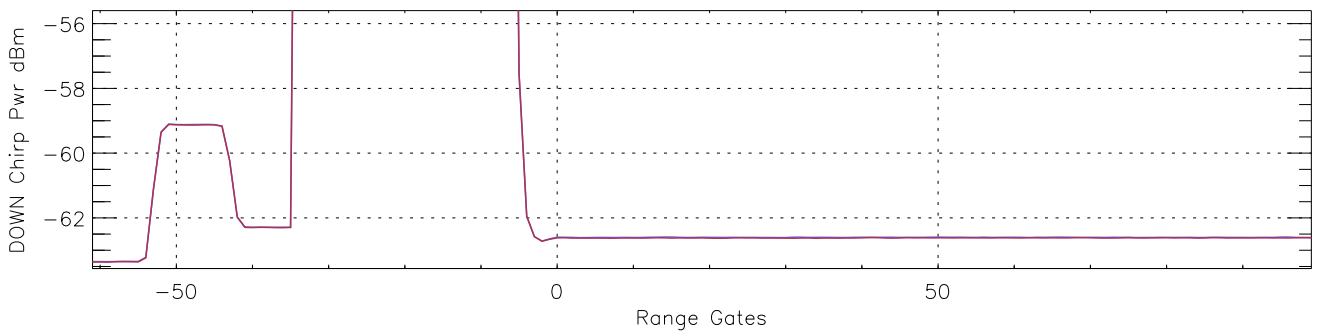
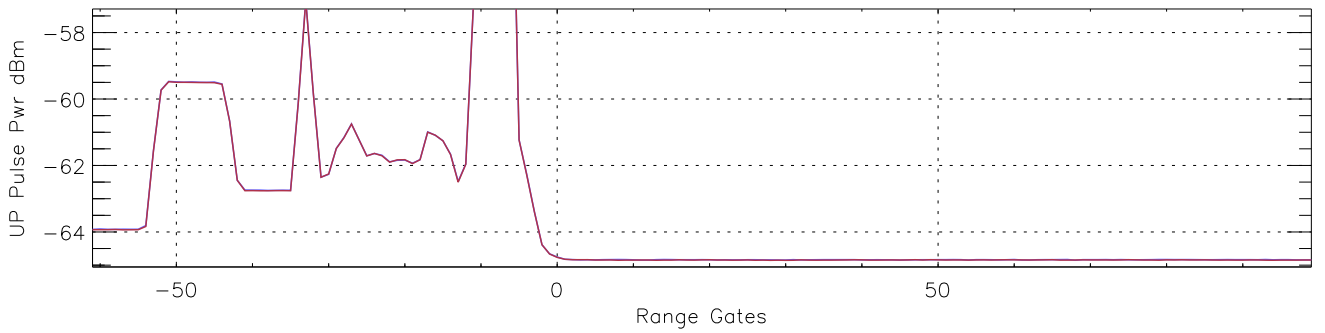
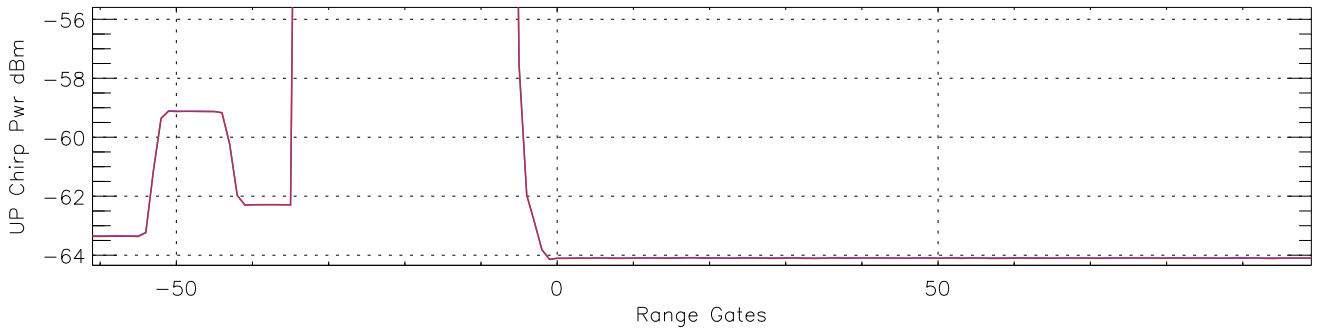
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG392_0	-92.20	-75.21	-79.59	-79.93	-82.50
UP_P_RG30_0	-99.08	-74.59	-80.37	-80.65	-83.05
DOWN_C_RG221_0	-91.48	-72.19	-77.96	-78.23	-80.79
DOWN_P_RM_1	-93.66	-73.30	-78.77	-79.08	-81.48

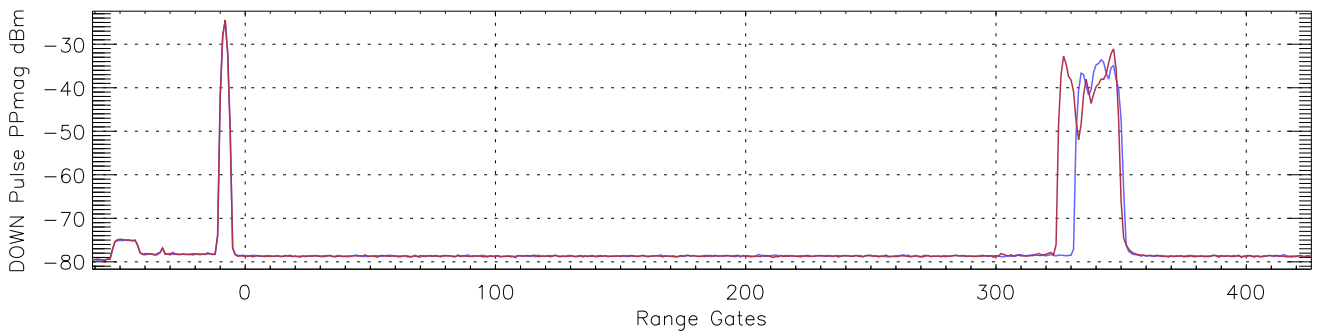
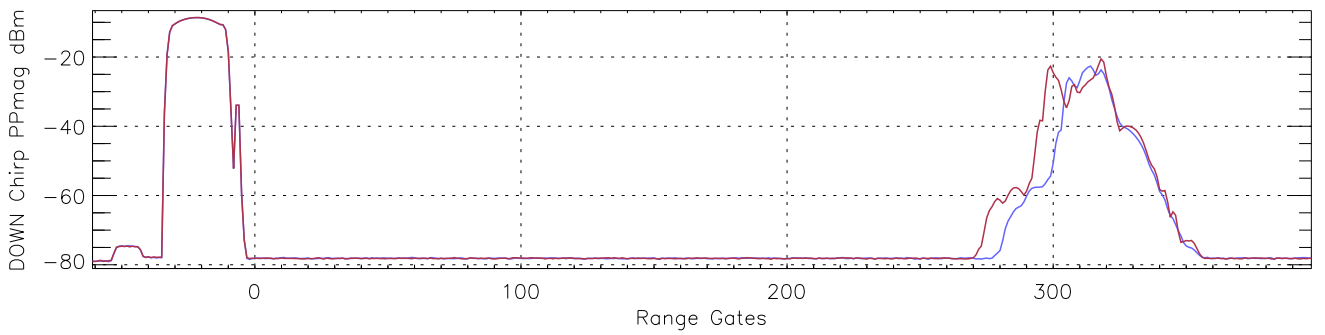
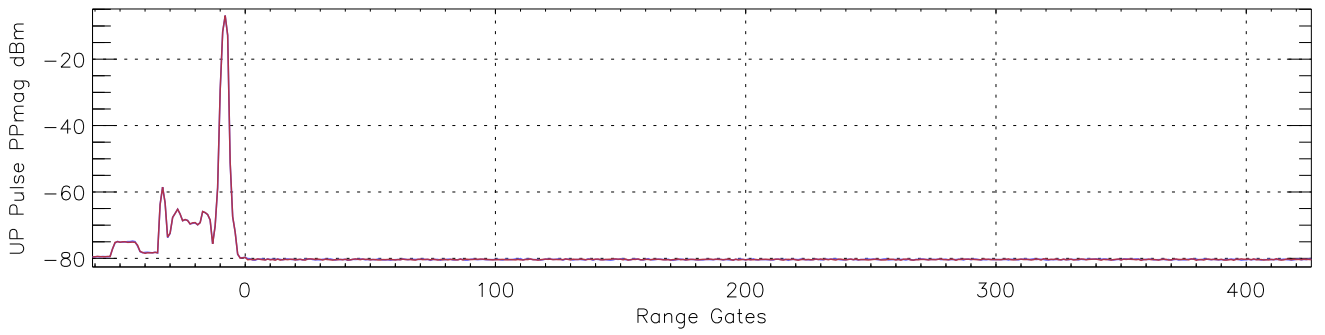
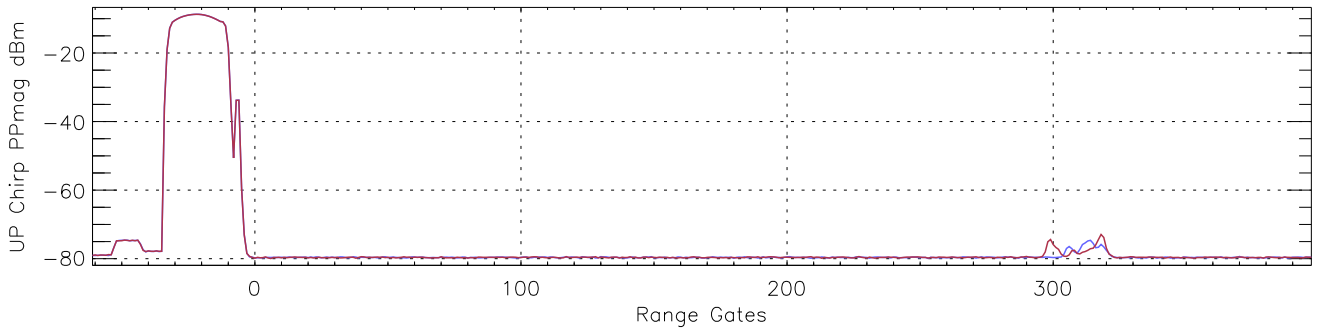




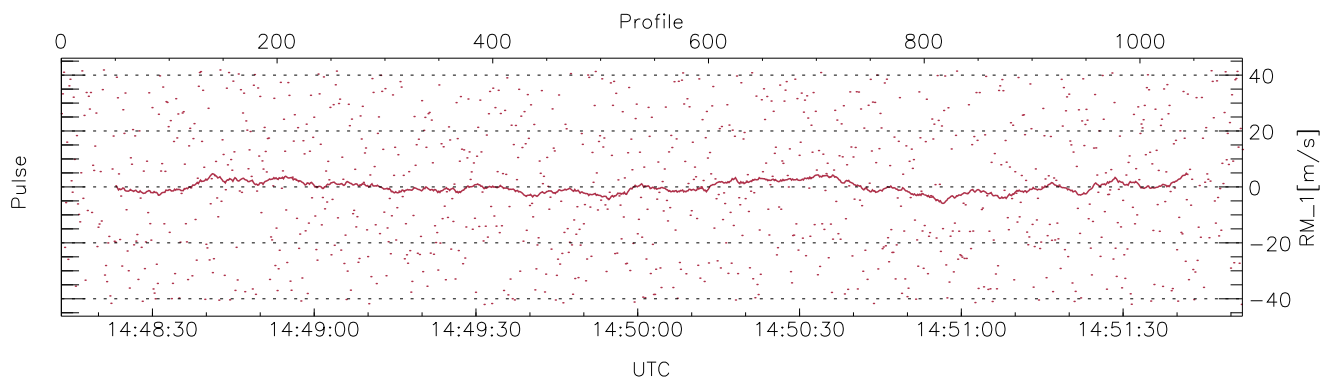
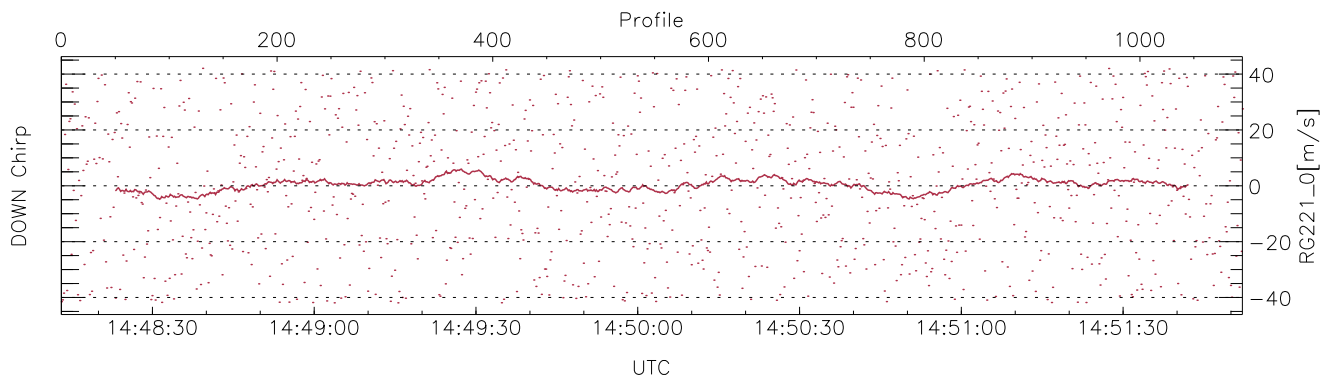
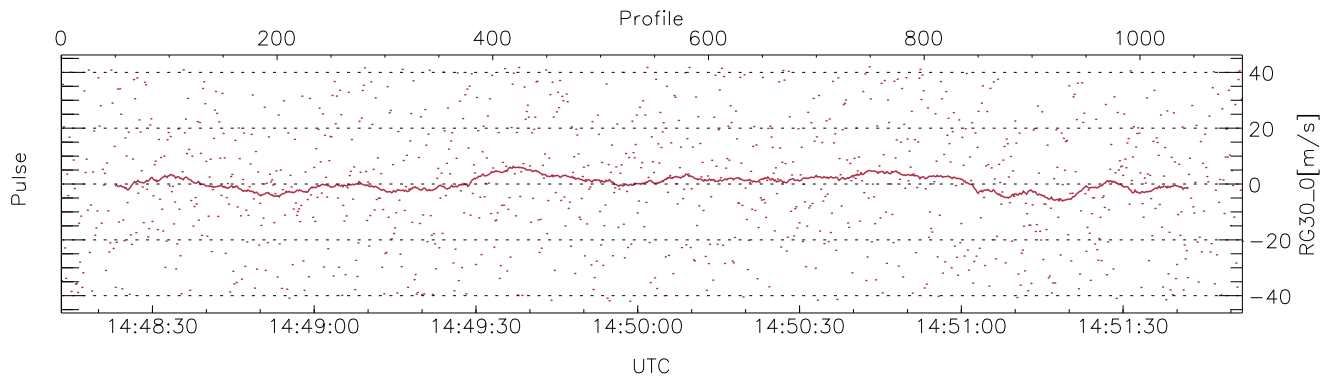
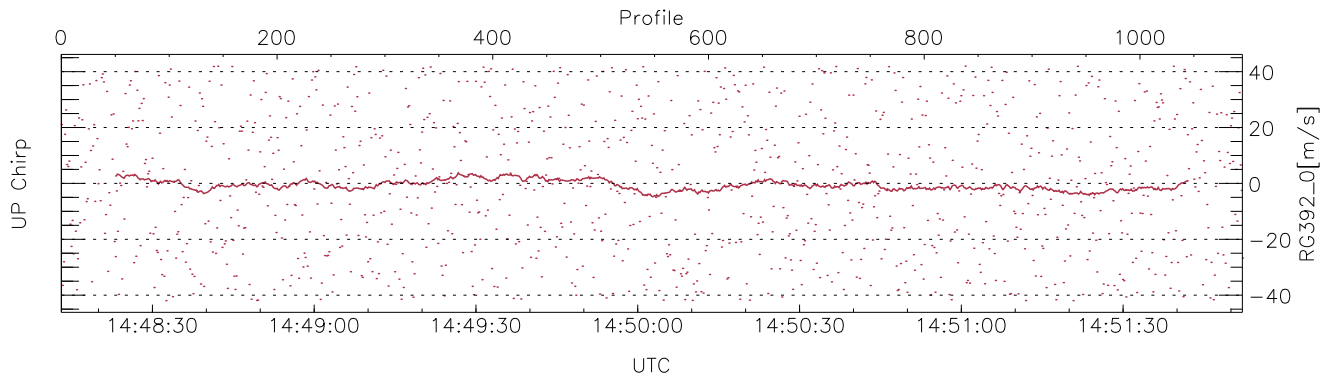
KPR SPP Averaged Received power for all recorded gates  
blue: 144813-145002, 549 profiles averaged  
red: 145002-145152, 548 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 144813-145002, 549 profiles averaged  
red: 145002-145152, 548 profiles averaged

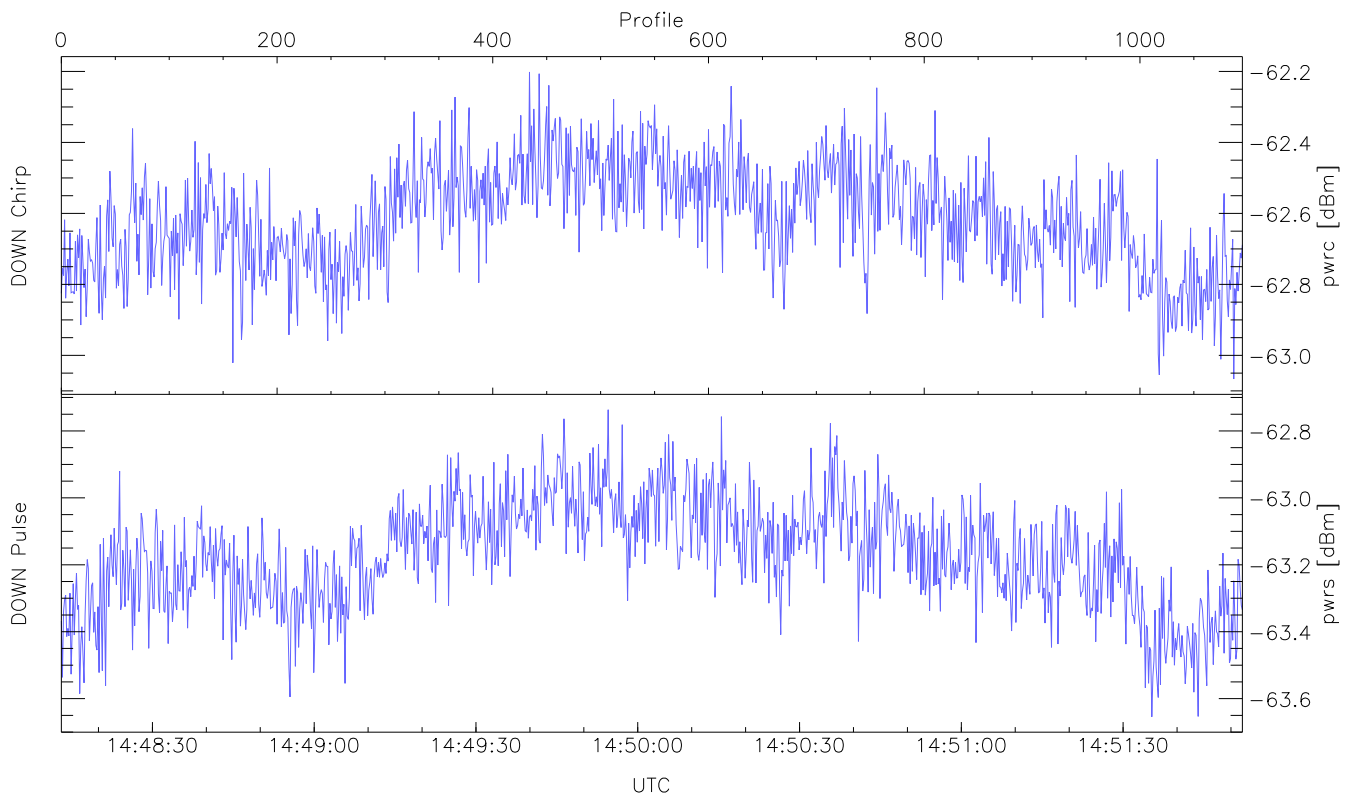
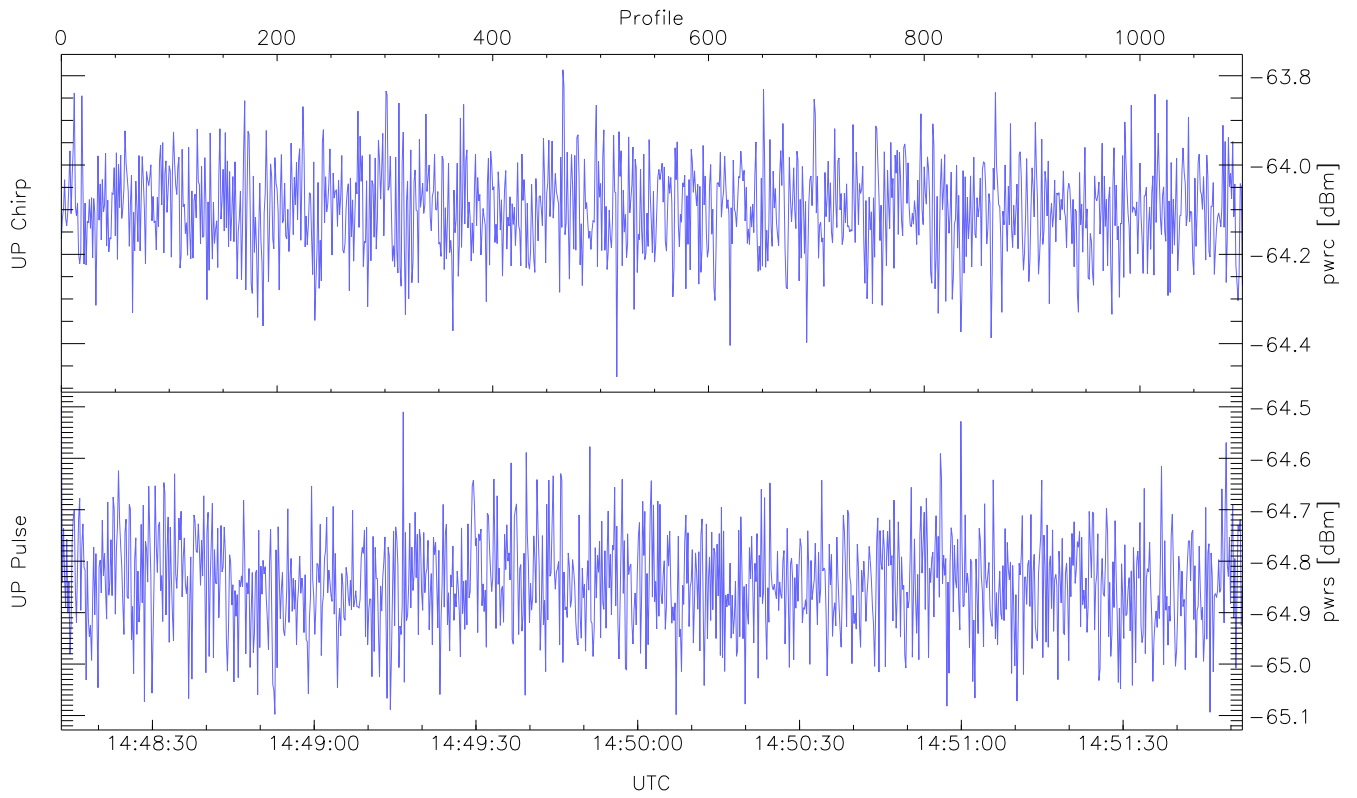


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 144813-145002, 549 profiles averaged  
red: 145002-145152, 548 profiles averaged



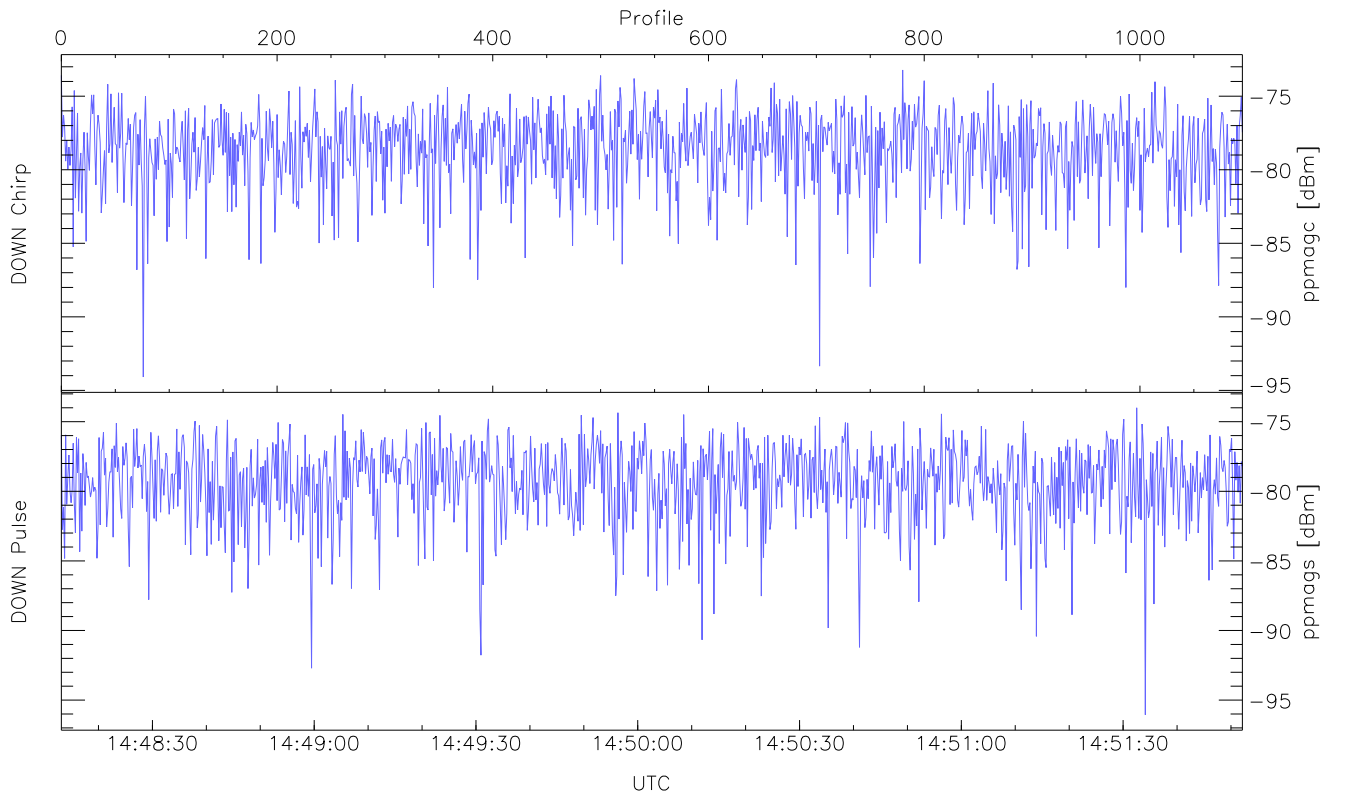
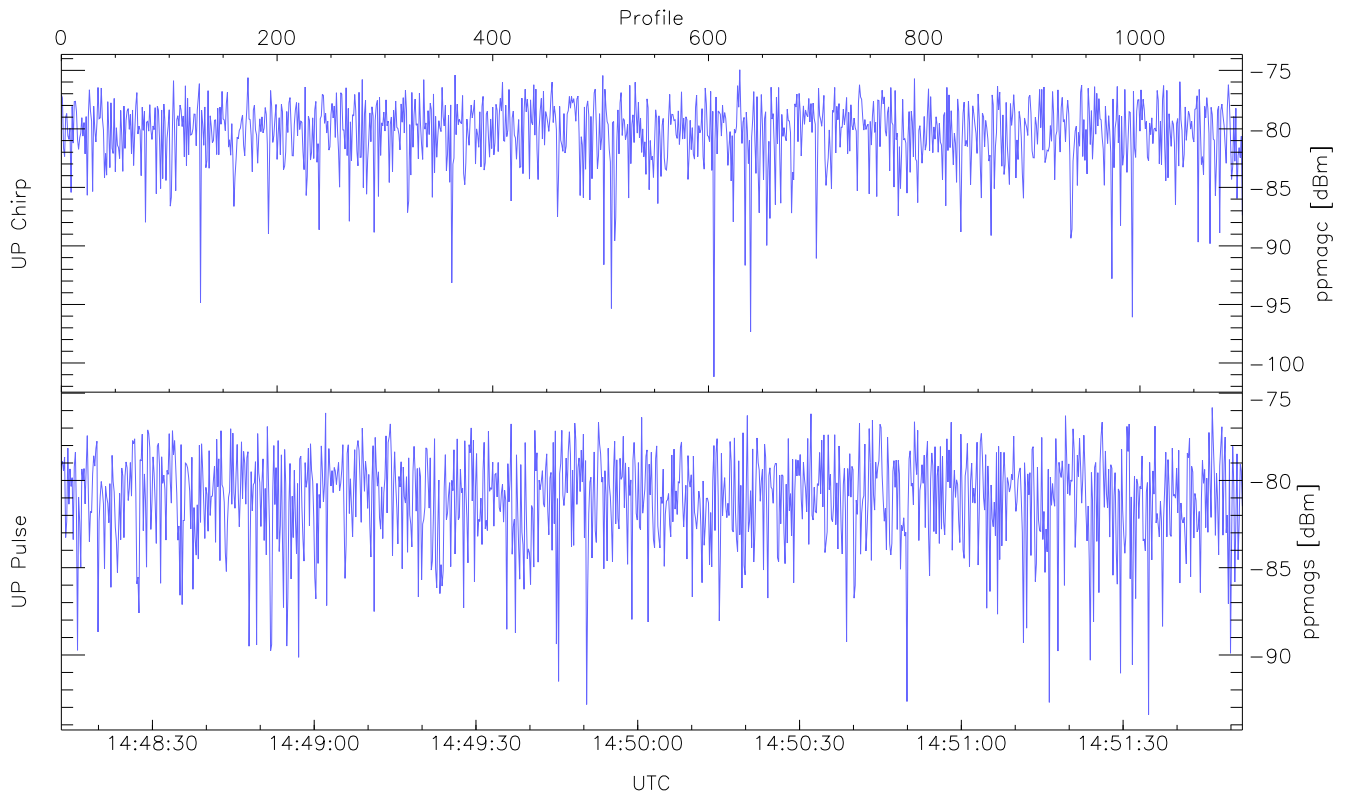
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG392_0	-41.96	41.97	-0.46	-1.02	24.60
UP_P_RG30_0	-41.99	42.01	0.08	0.54	22.06
DOWN_C_RG221_0	-41.92	42.06	0.23	0.30	24.21
DOWN_P_RM_1	-42.03	41.84	0.21	0.49	23.82



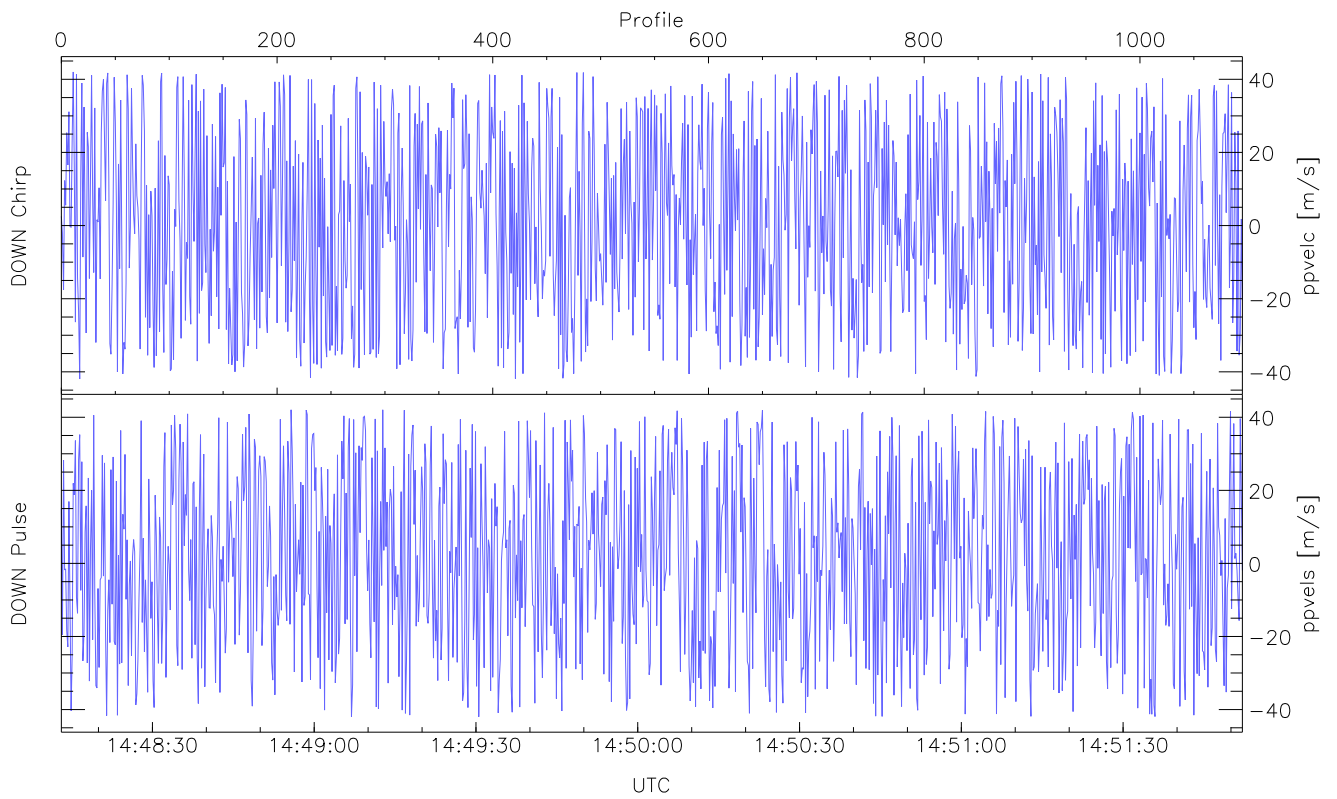
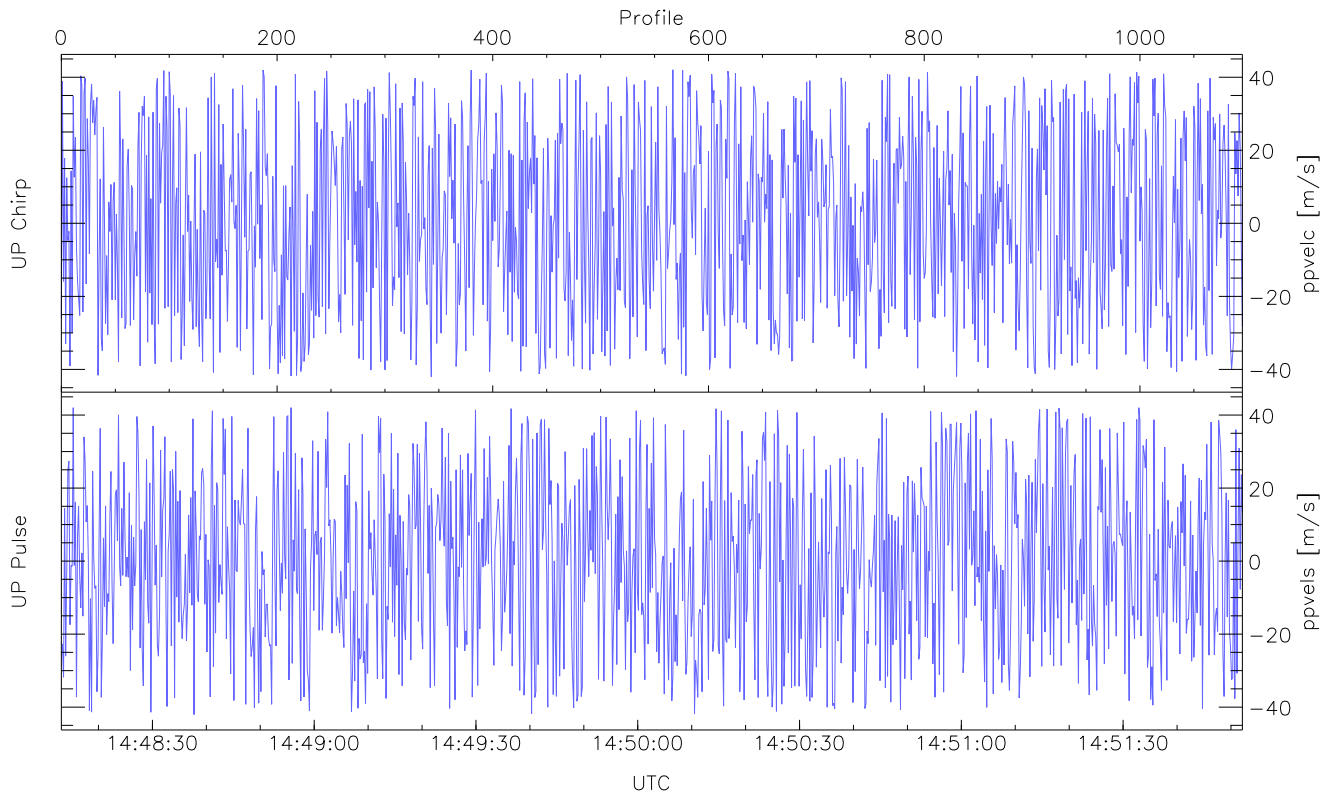
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)  
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-64.47	-63.79	-64.10
UP Pulse(dBm)	-65.10	-64.50	-64.84
DOWN Chirp(dBm)	-63.07	-62.20	-62.61
DOWN Pulse(dBm)	-63.65	-62.74	-63.17



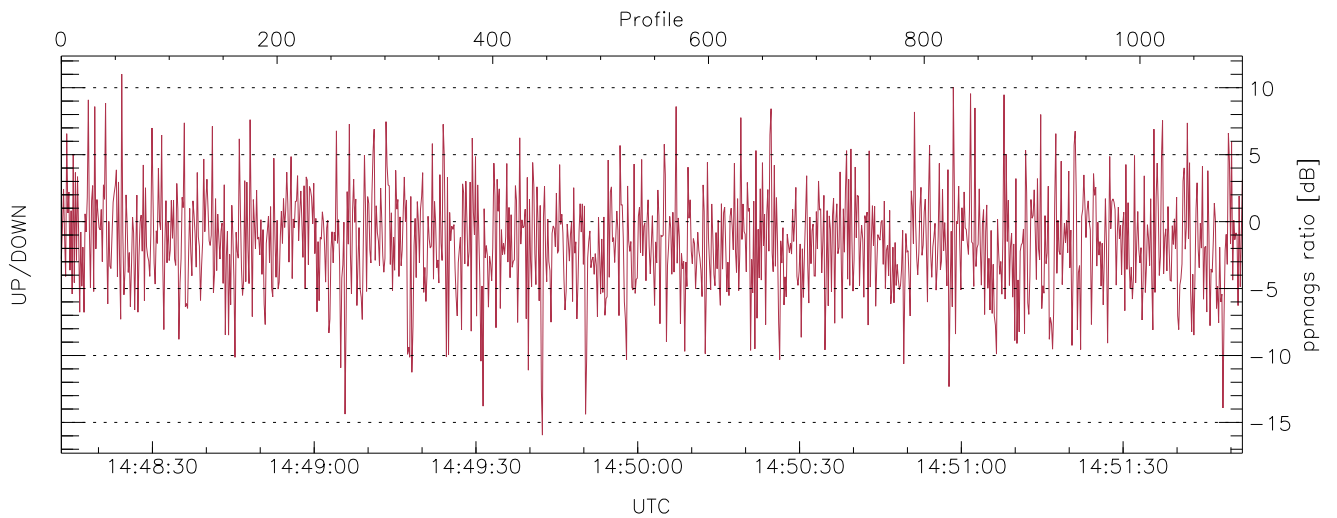
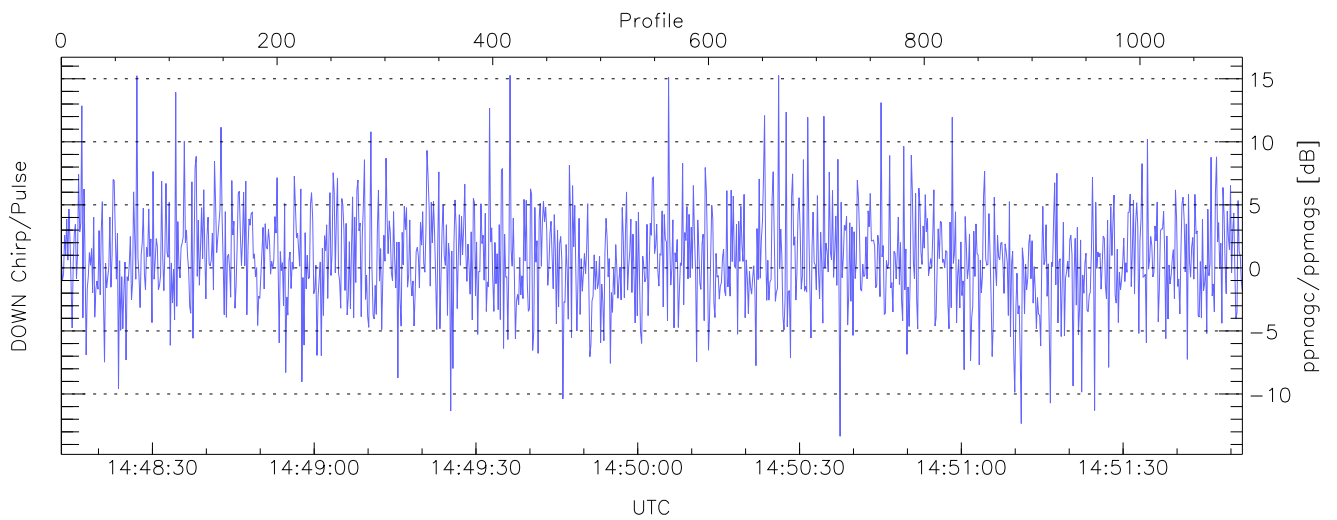
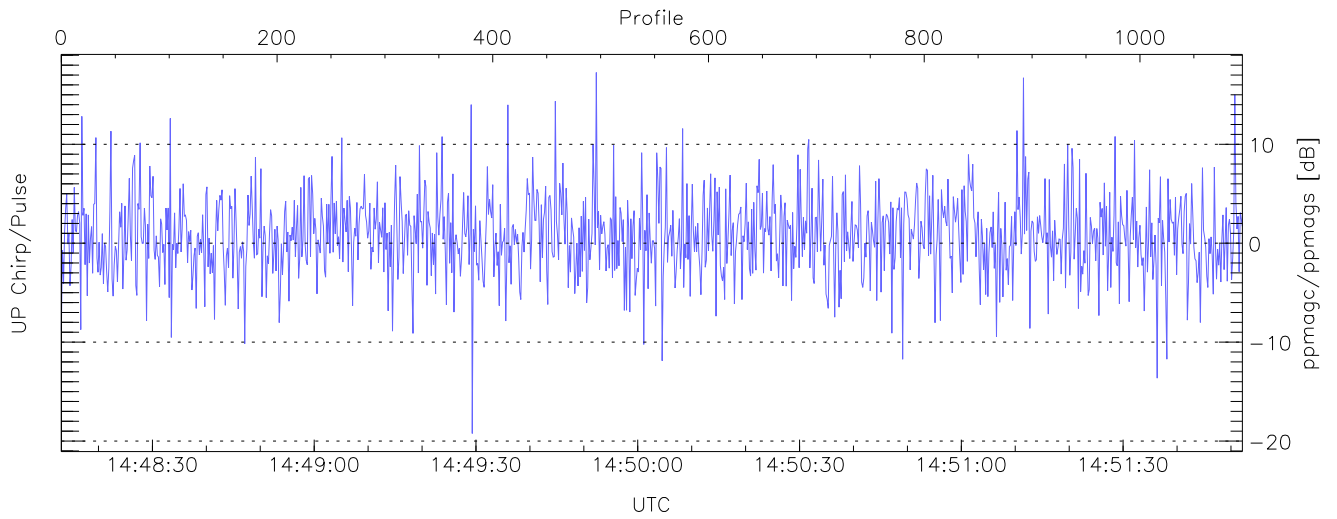
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)  
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-101.19	-74.95	-79.66
UP Pulse(dBm)	-93.42	-75.82	-80.38
DOWN Chirp(dBm)	-94.09	-73.22	-78.00
DOWN Pulse(dBm)	-96.06	-74.00	-78.67



KPR SPP PPVEL for Chirp Range gate 10 (686.2 m)  
 KPR SPP PPVEL for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(m/s)	-42.03	42.04	1.00
UP Pulse(m/s)	-42.05	42.06	0.15
DOWN Chirp(m/s)	-41.96	42.00	1.00
DOWN Pulse(m/s)	-41.99	42.05	1.67



KPR SPP PPMAG Chirp/Pulse; Range gate: 551.3m /570.5m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-19.24	17.26	2.87
DOWN Chirp/Pulse(dBm)	-13.36	15.28	2.66
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-15.95	11.02	0.18