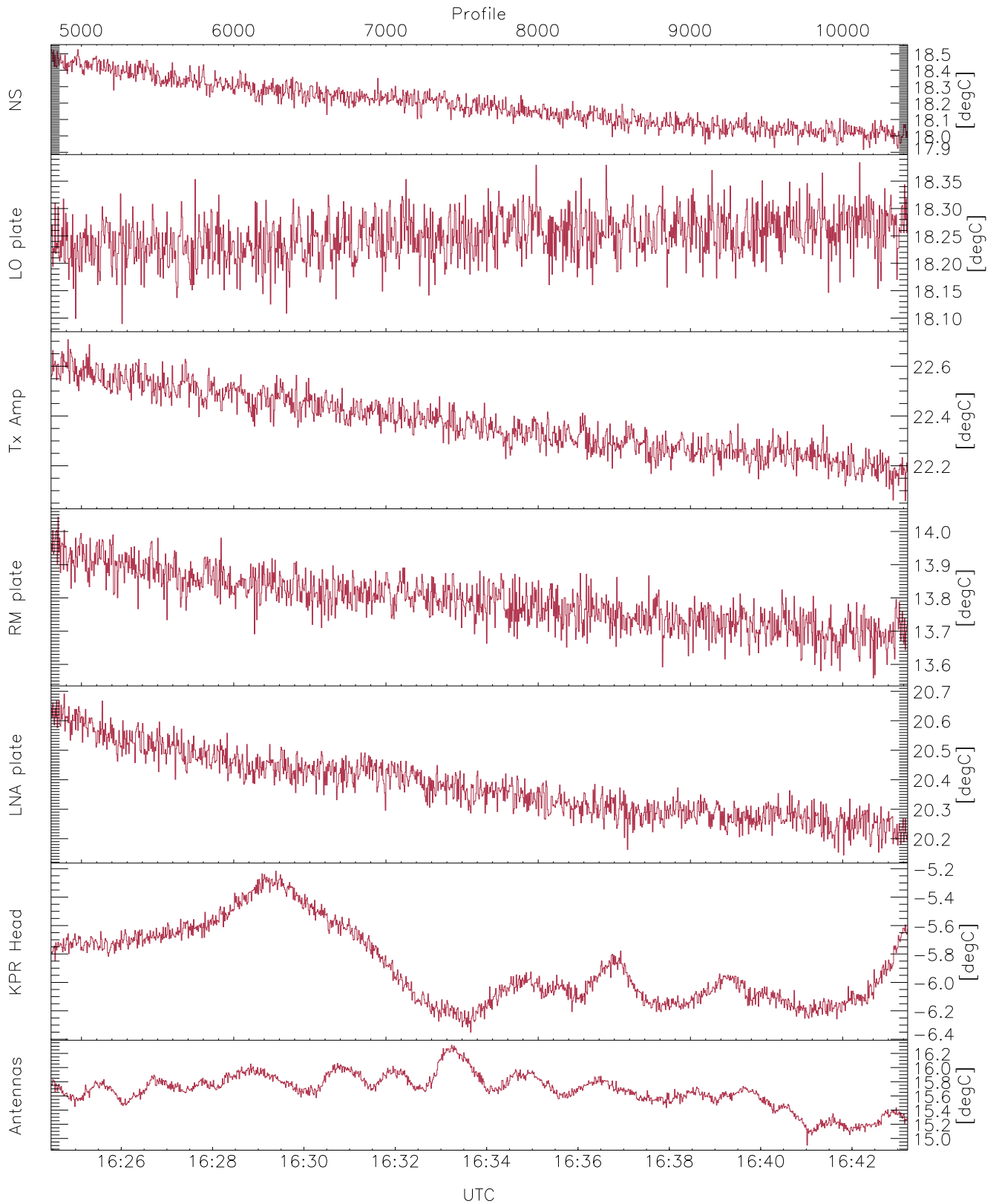


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF  
 UTC: 16:08:28-16:43:13, TimeCor: 0.00s, Dur: 1125.40s  
 TimeInt(min,max,mn,std): 184.5,215.5,200.0,0.8 ms; PPS: 5.0  
 NumRec(r/t): 5628/10428, 4800-10427/16:24:28-16:43:13  
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s  
 Pulse: 247 ns, Chirp: 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

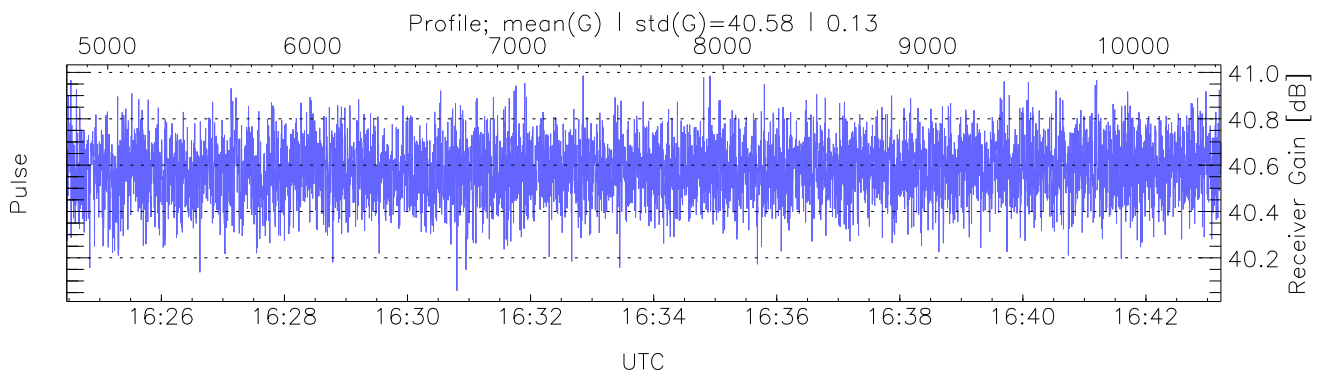
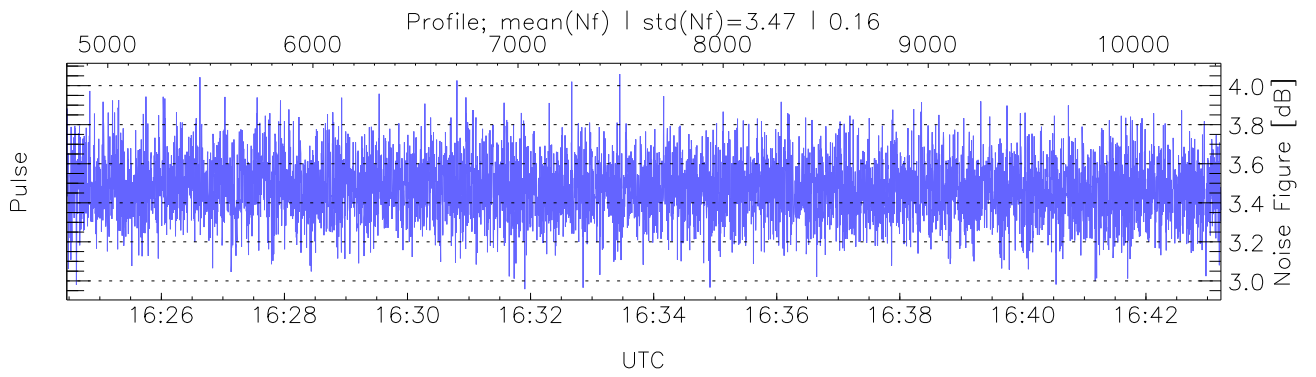
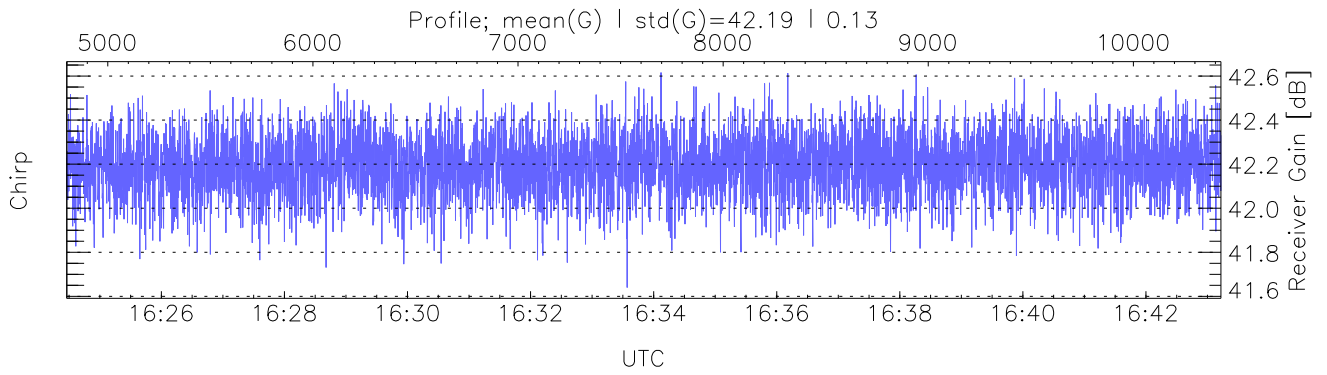
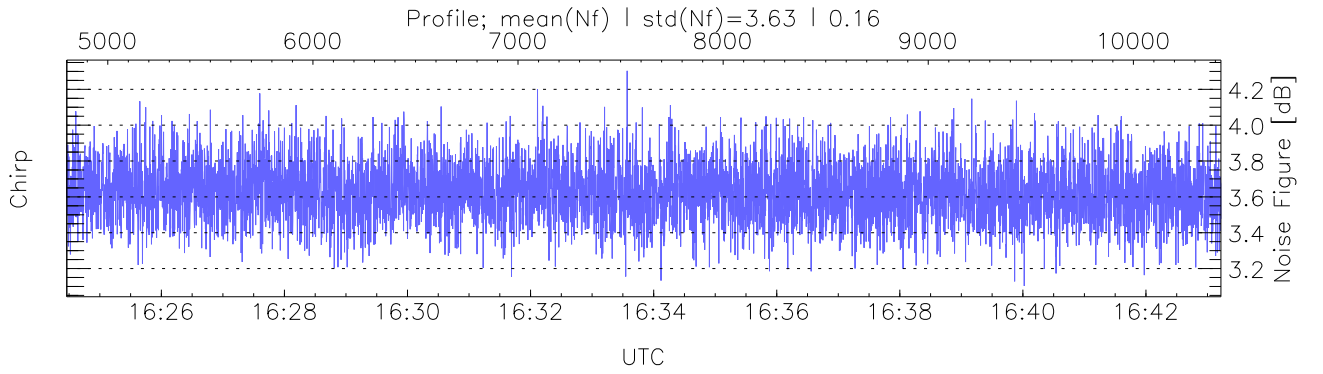


KPR SPP Temperatures, Power Supplies, PLO lock:

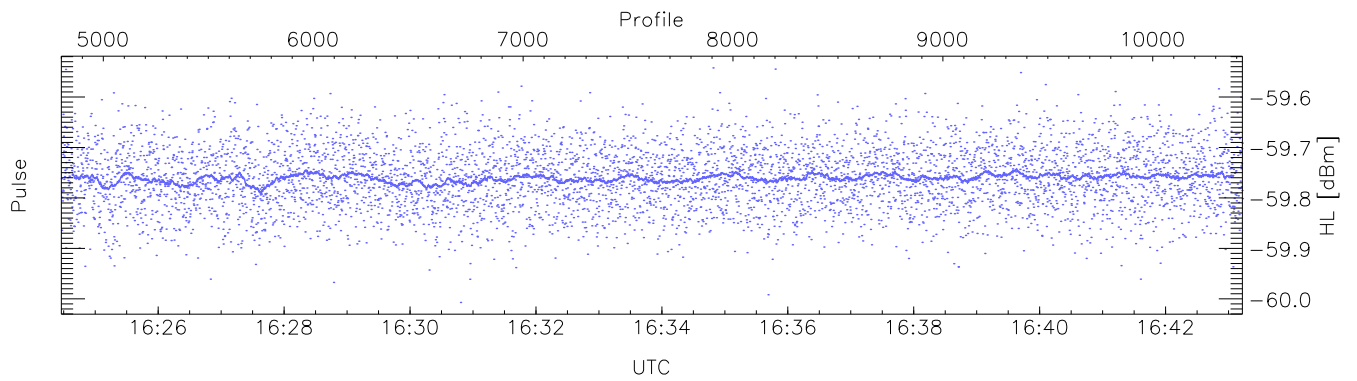
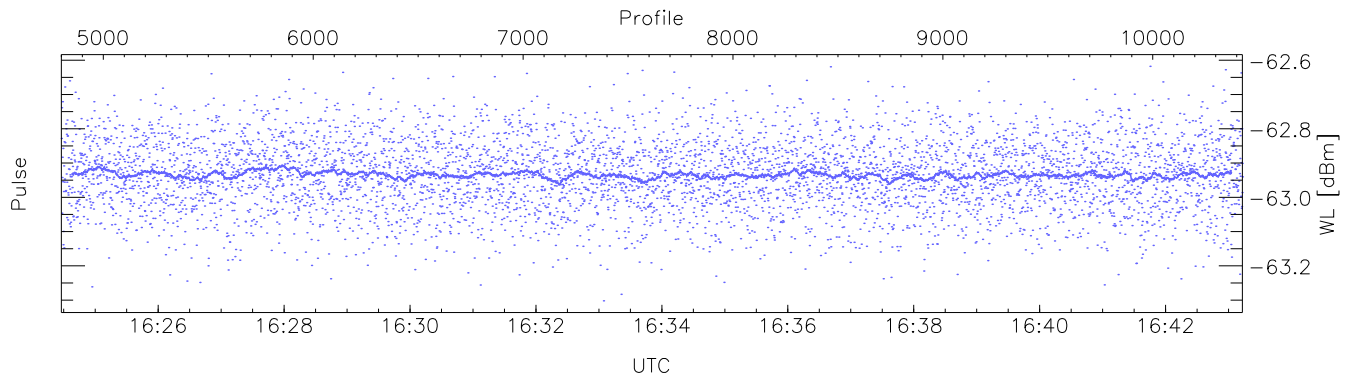
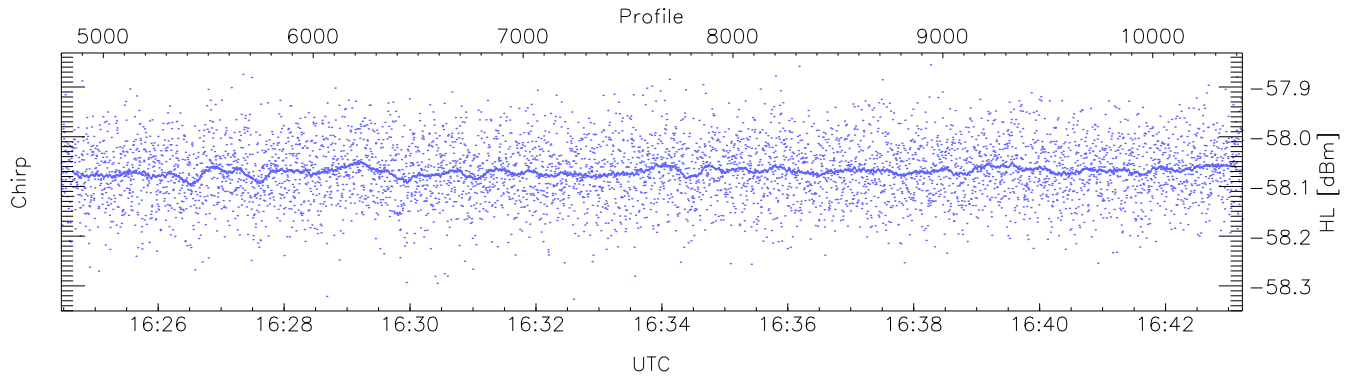
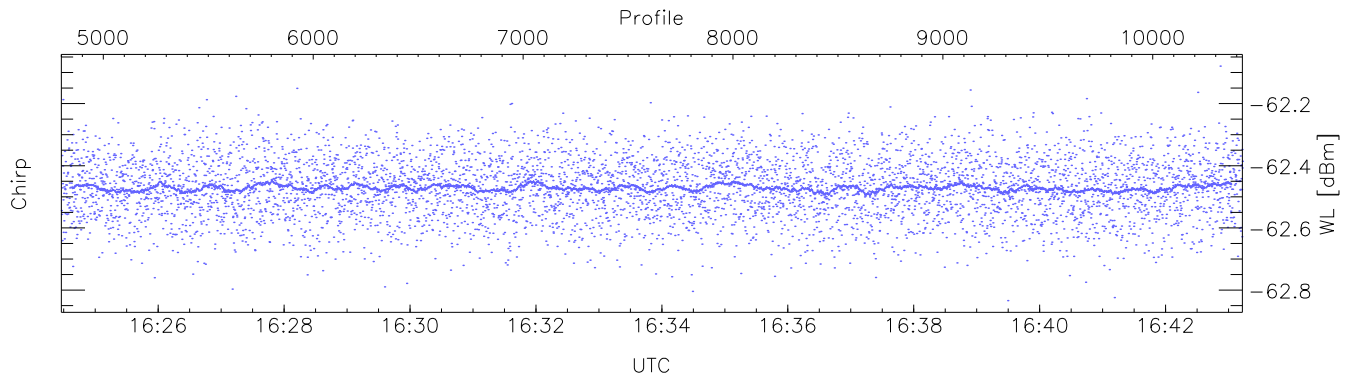
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	17.9,	18.1,	22.1,	13.6,	20.1,	-6.4,	14.9
maxtempC:	18.5,	18.4,	22.7,	14.0,	20.7,	-5.2,	16.3
meantempC:	18.2,	18.2,	22.4,	13.8,	20.4,	-5.9,	15.7

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.72,	11.68,	7.87,	5.21
maxVDC:	27.84,	11.74,	7.90,	5.23
meanVDC:	26.90,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

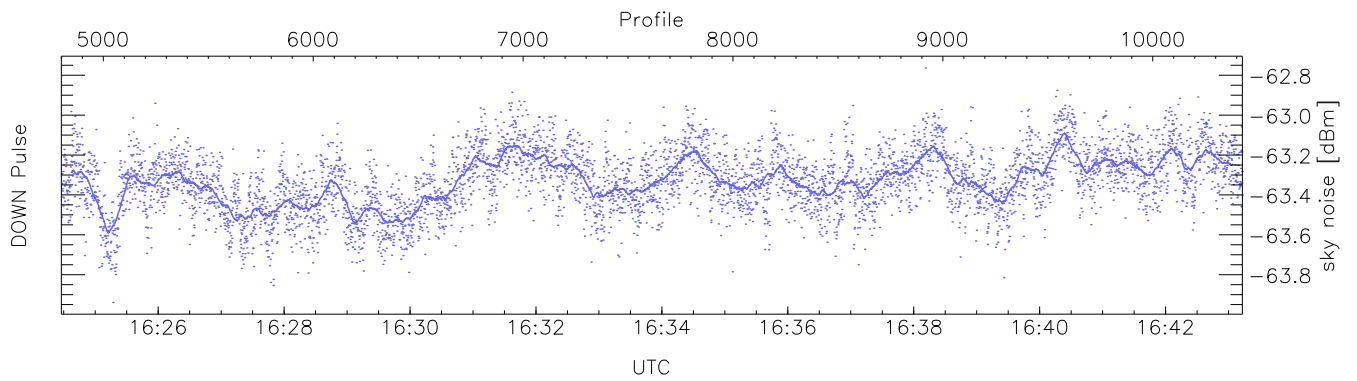
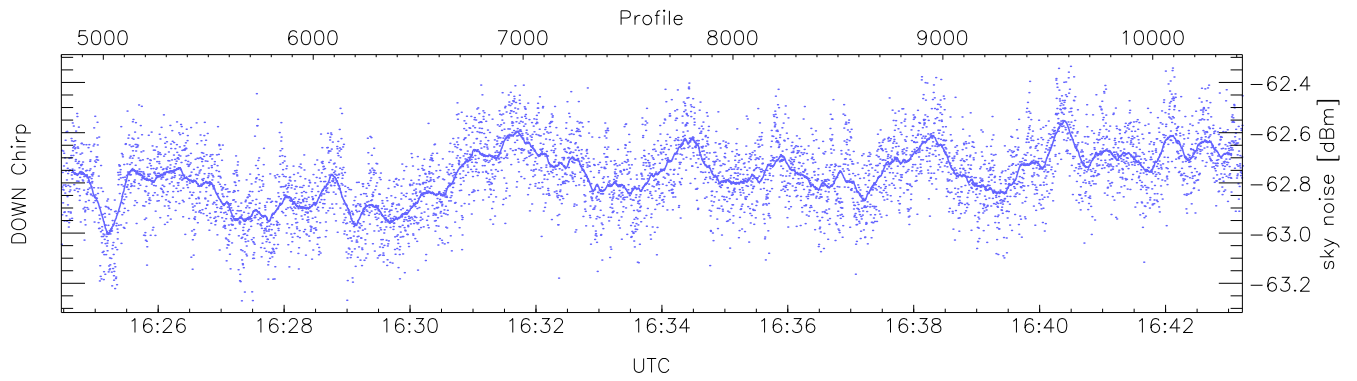
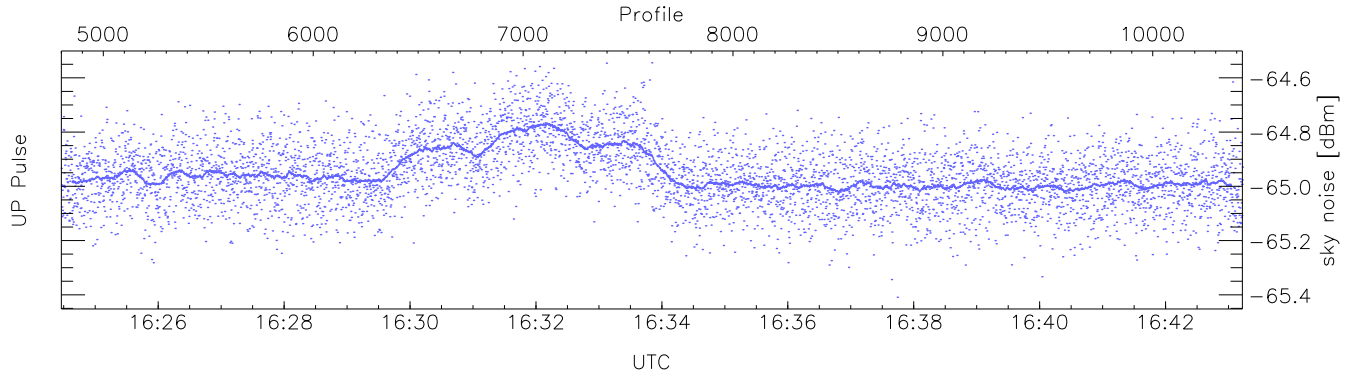
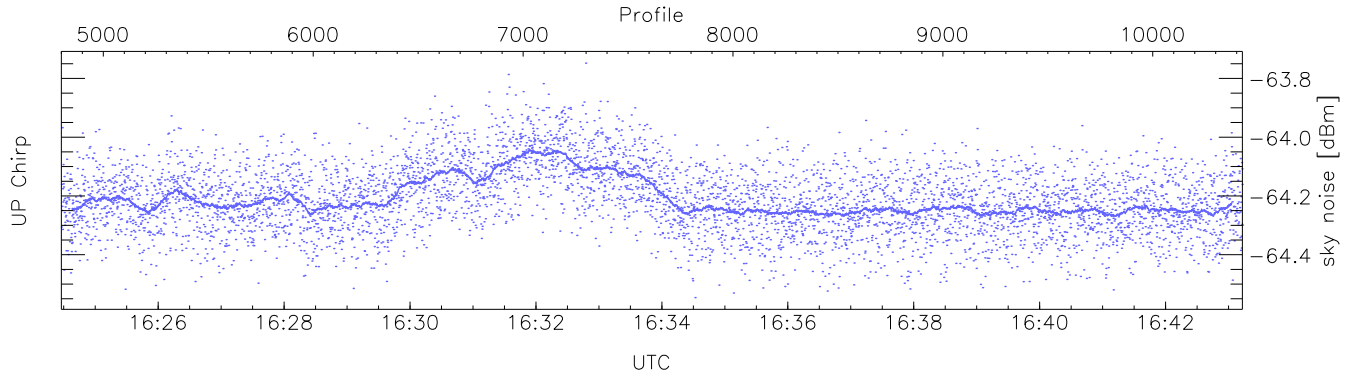


KPR SPP Receiver Gain and Noise Figure



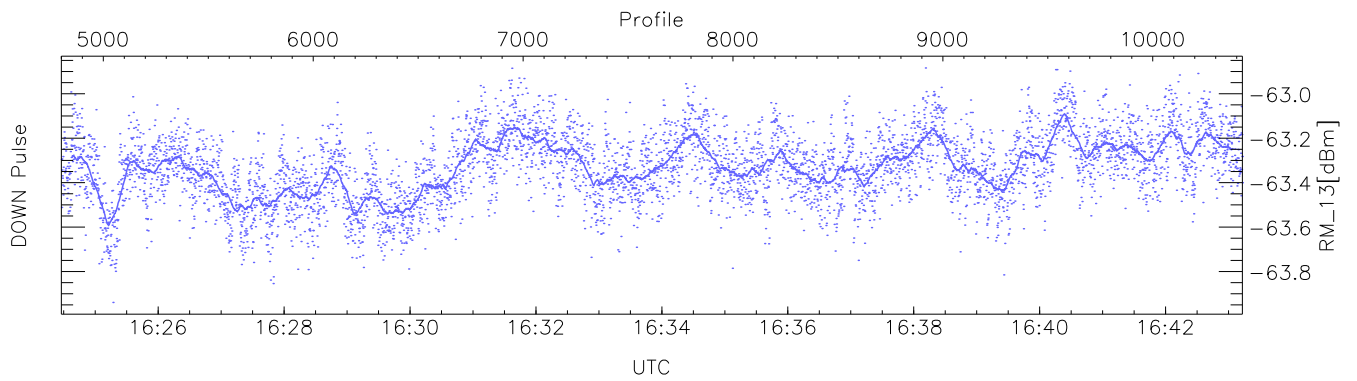
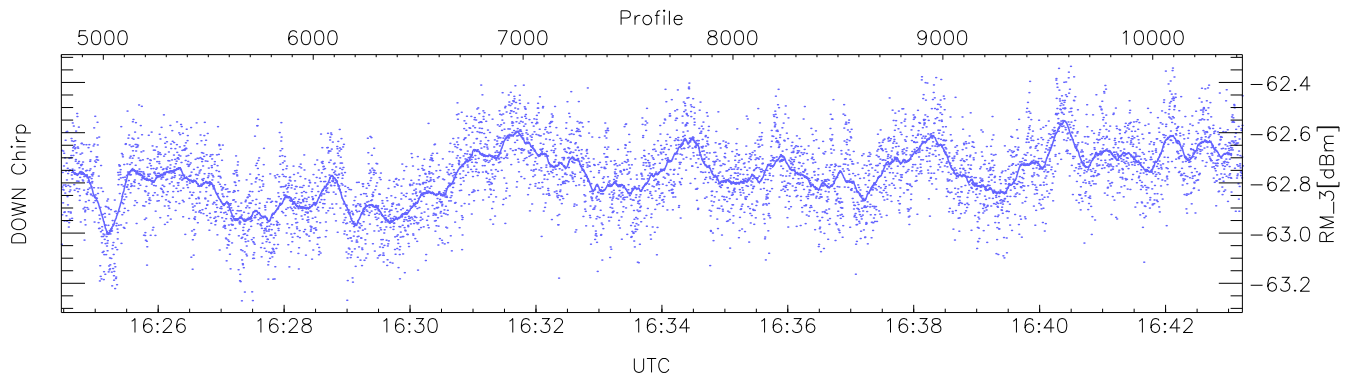
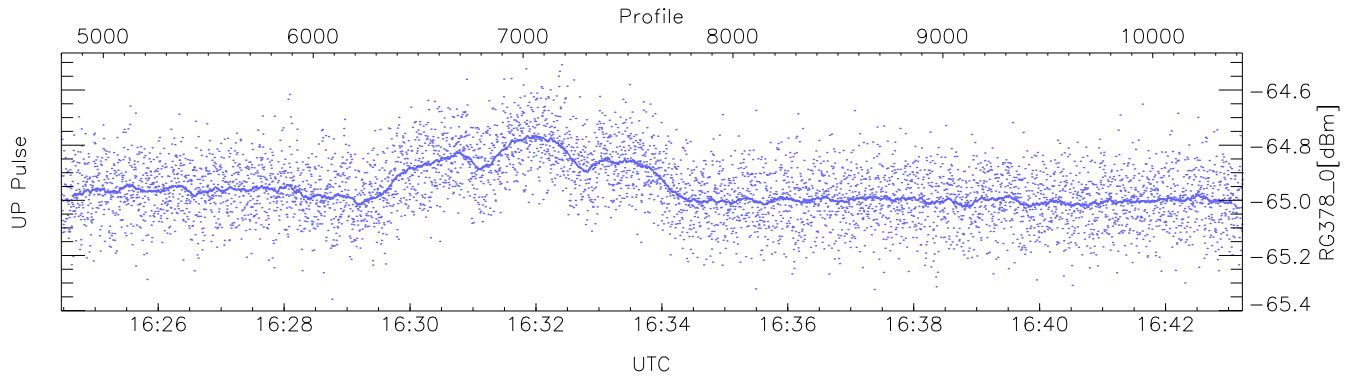
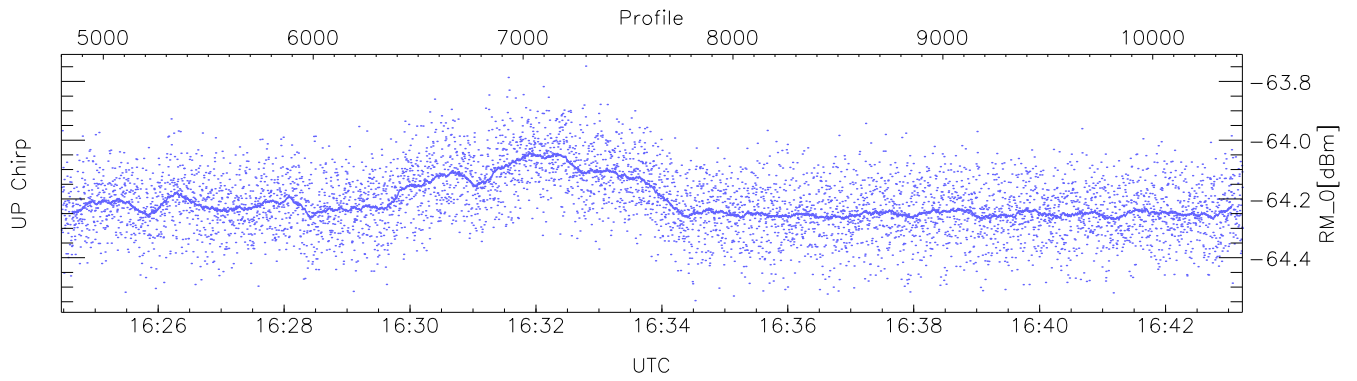
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.83	-62.08	-62.47	-62.47	-79.00
Chirp(HL [dBm])	-58.33	-57.86	-58.07	-58.07	-76.49
Pulse(WL [dBm])	-63.30	-62.62	-62.93	-62.93	-79.31
Pulse(HL [dBm])	-60.01	-59.54	-59.76	-59.76	-78.30



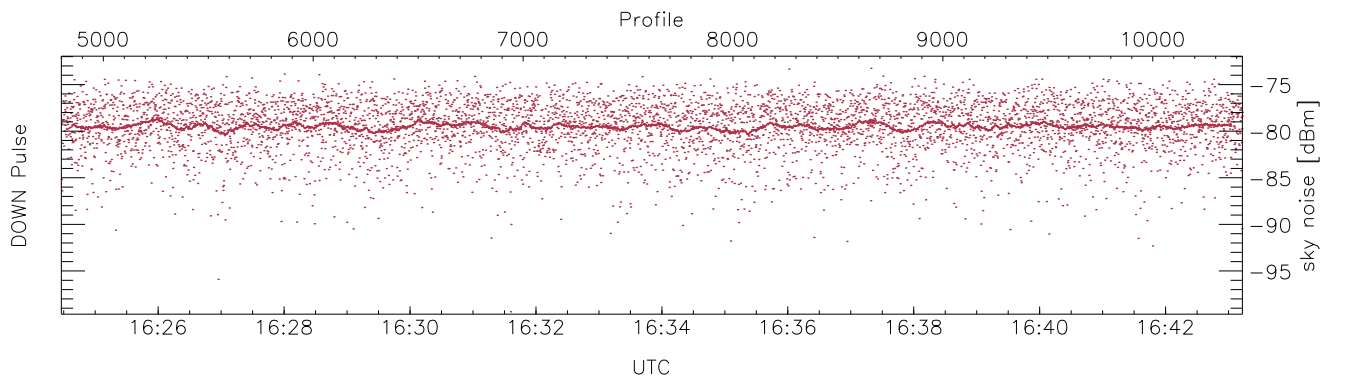
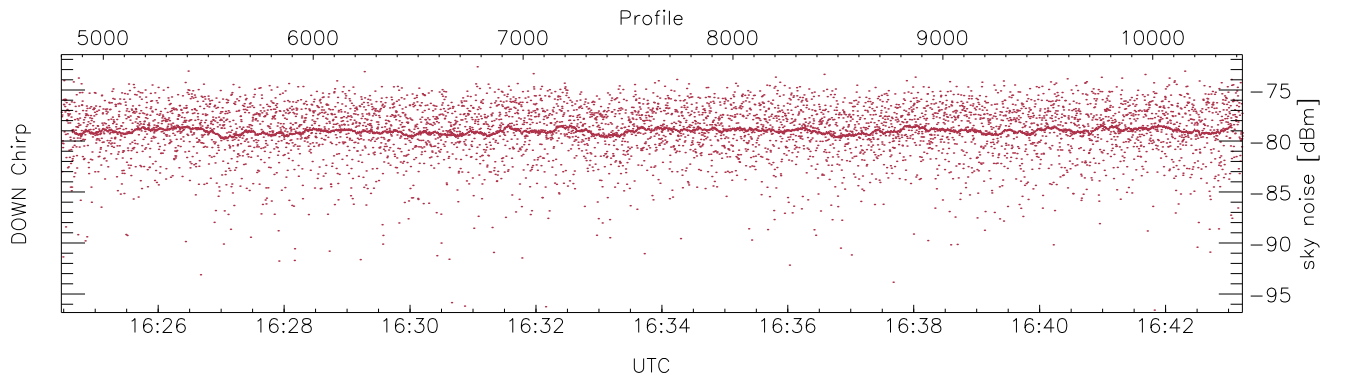
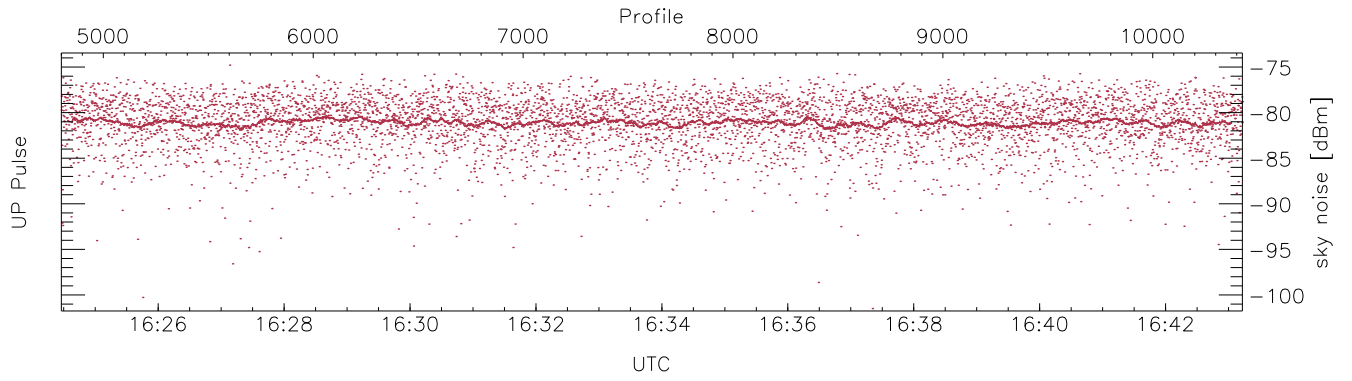
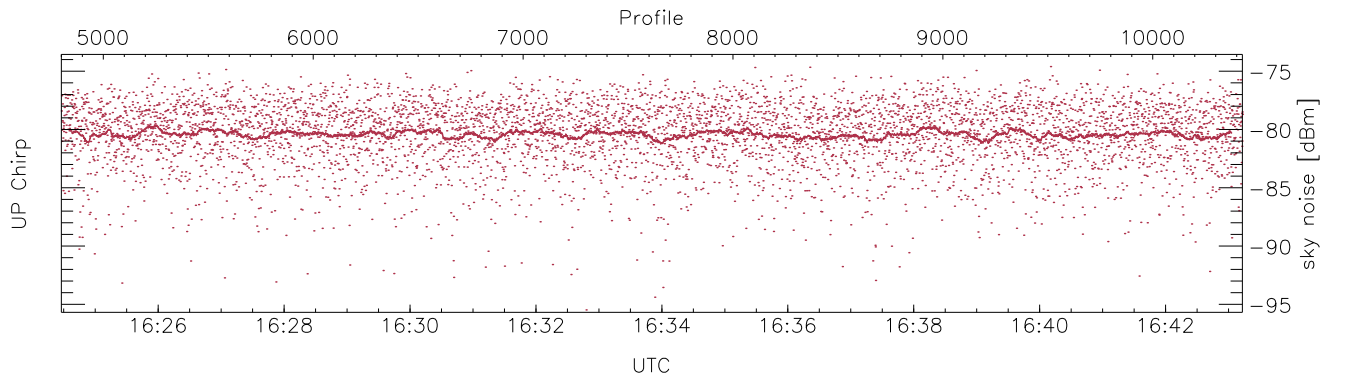
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.55	-63.75	-64.21	-64.22	-80.05
UP Pulse(dBm)	-65.41	-64.54	-64.95	-64.96	-80.58
DOWN Chirp(dBm)	-63.27	-62.34	-62.77	-62.77	-77.47
DOWN Pulse(dBm)	-63.94	-62.76	-63.33	-63.33	-77.80



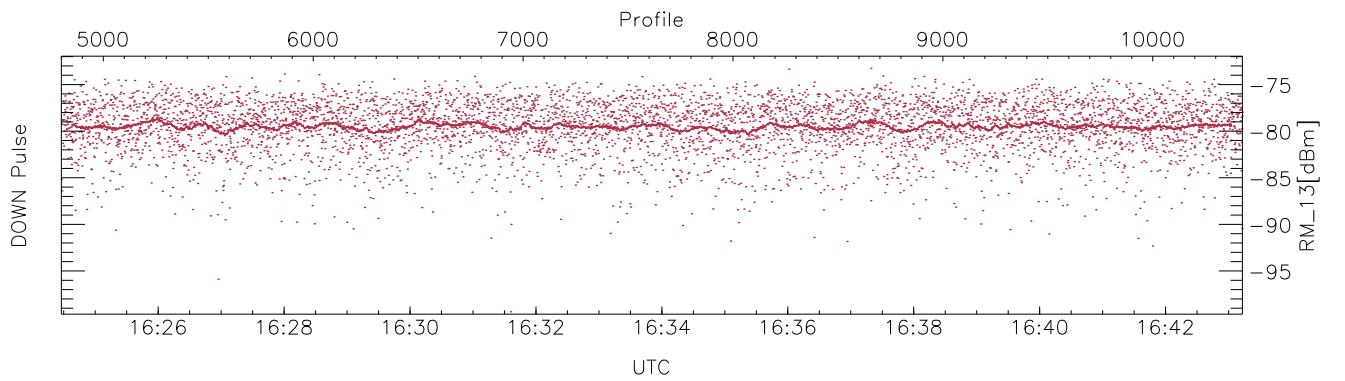
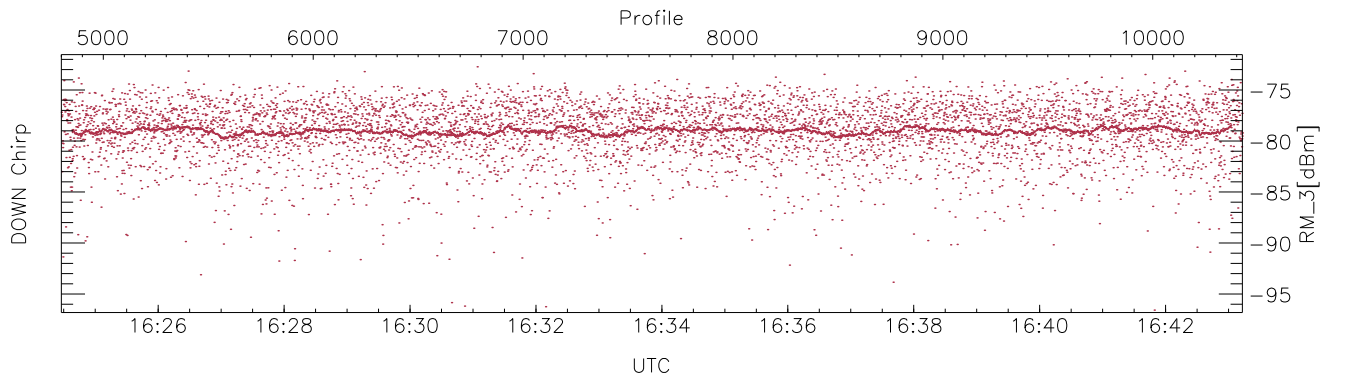
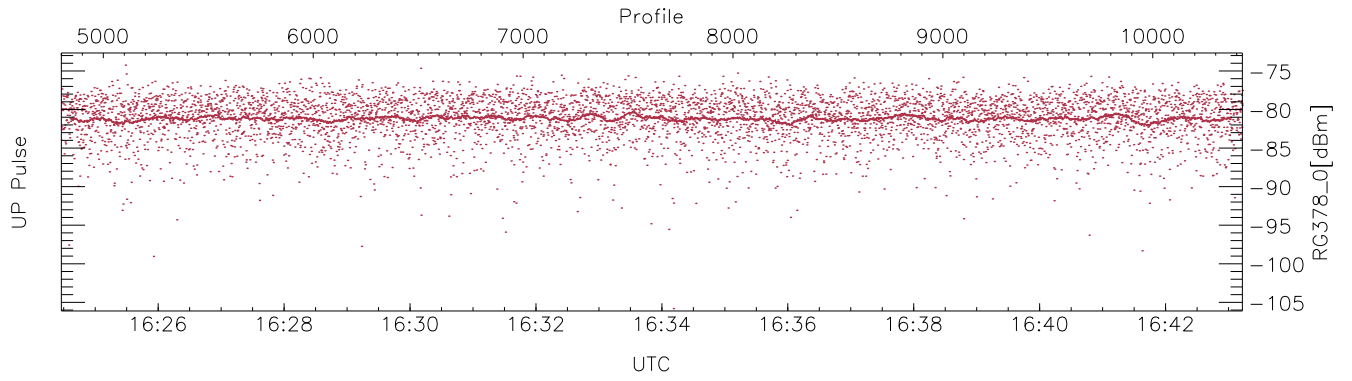
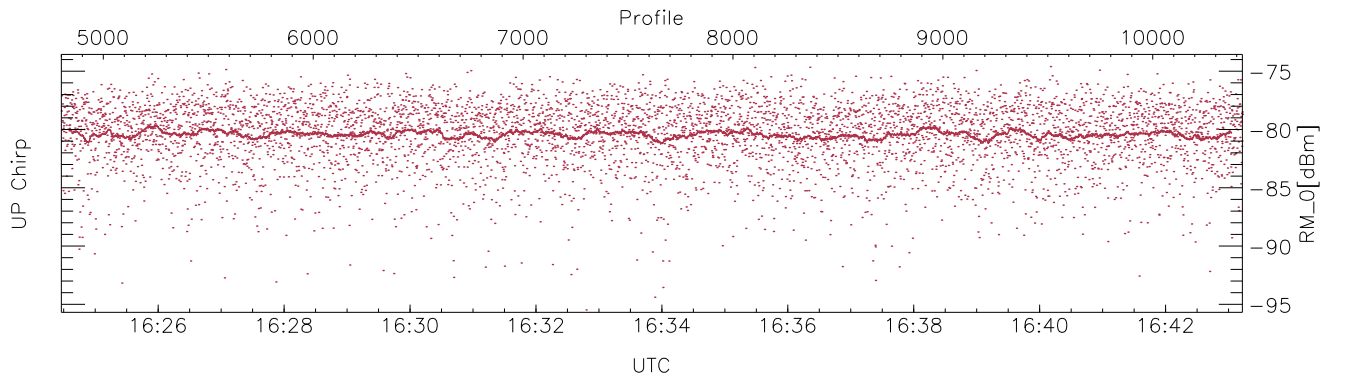
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-64.55	-63.75	-64.21	-64.22	-80.05
UP_P_RG378_0	-65.36	-64.51	-64.96	-64.96	-80.57
DOWN_C_RM_3	-63.27	-62.34	-62.77	-62.77	-77.48
DOWN_P_RM_13	-63.94	-62.88	-63.33	-63.33	-77.82



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

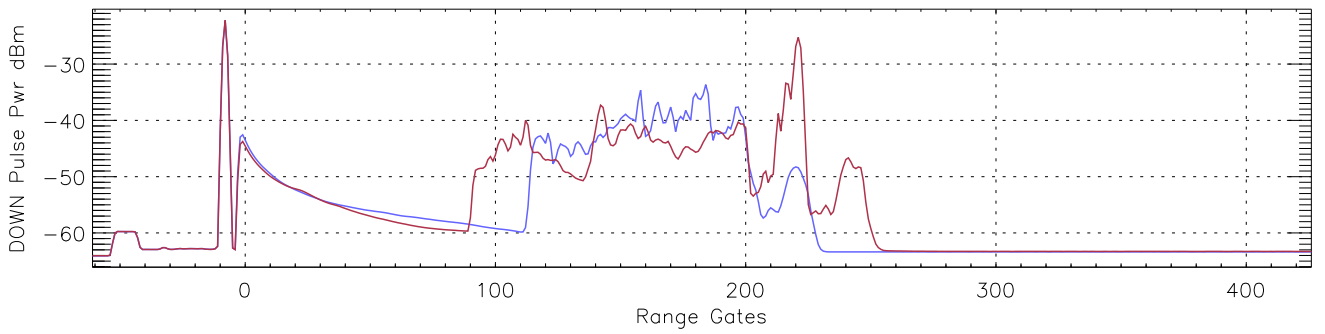
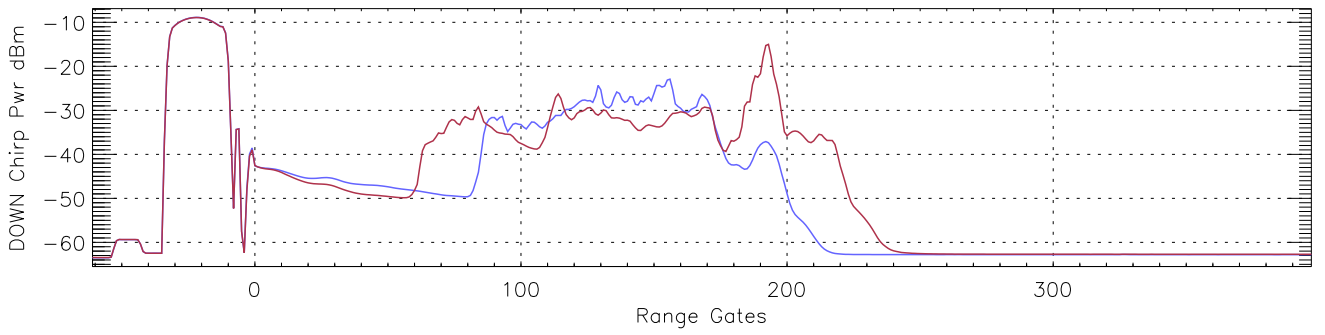
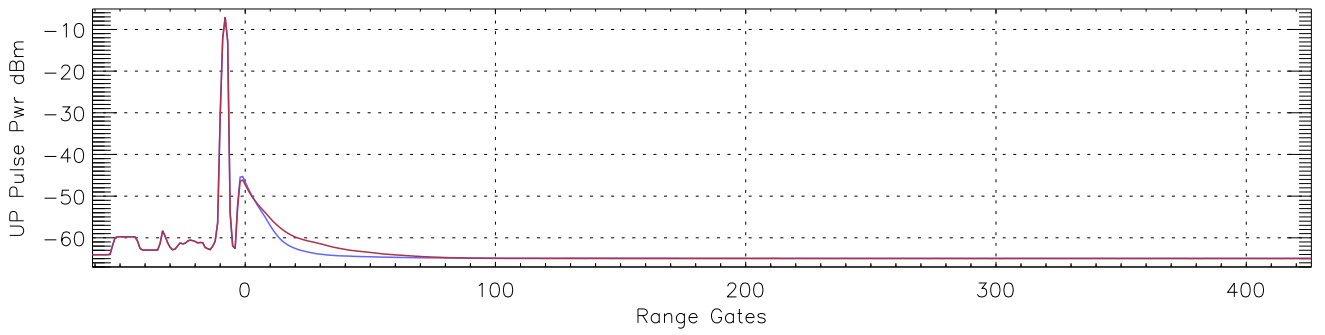
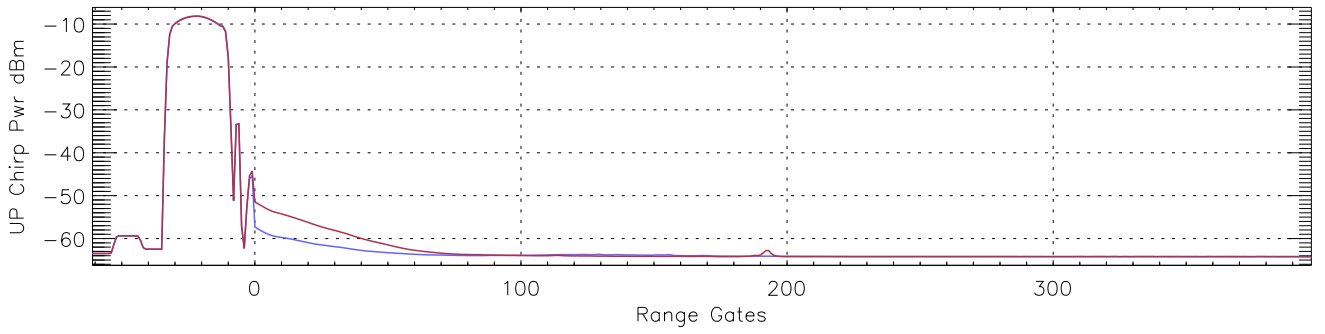
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-95.48	-74.60	-79.71	-79.99	-82.55
UP Pulse(dBm)	-101.49	-74.80	-80.39	-80.66	-83.19
DOWN Chirp(dBm)	-96.58	-72.72	-78.32	-78.61	-81.17
DOWN Pulse(dBm)	-99.38	-73.26	-78.79	-79.11	-81.57



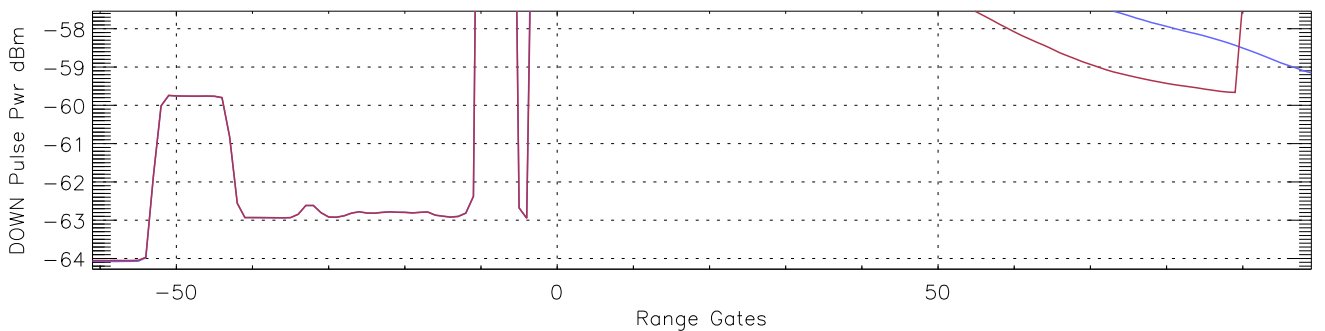
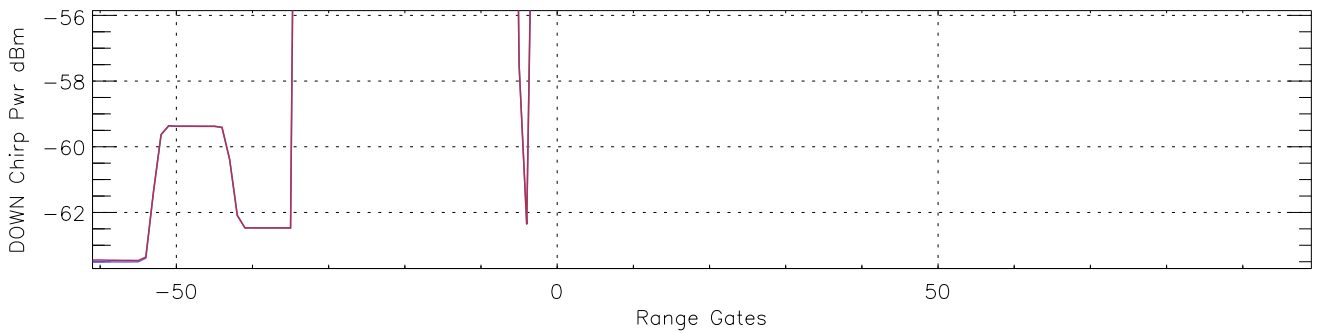
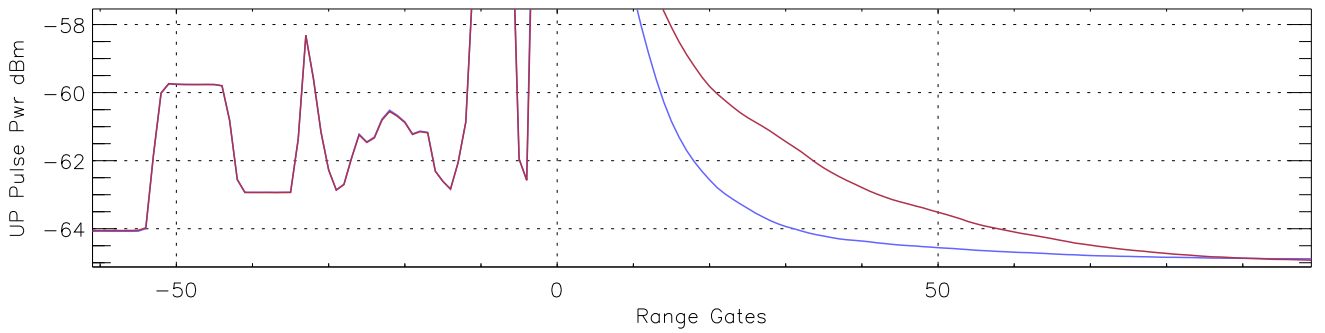
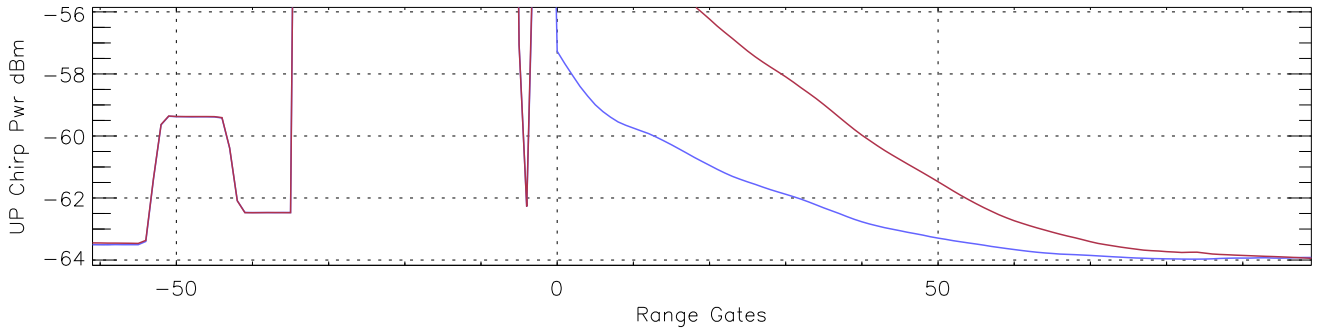
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-95.48	-74.60	-79.71	-79.99	-82.55
UP_P_RG378_0	-105.80	-74.25	-80.45	-80.68	-83.23
DOWN_C_RM_3	-96.58	-72.72	-78.32	-78.61	-81.17
DOWN_P_RM_13	-99.38	-73.26	-78.79	-79.11	-81.57

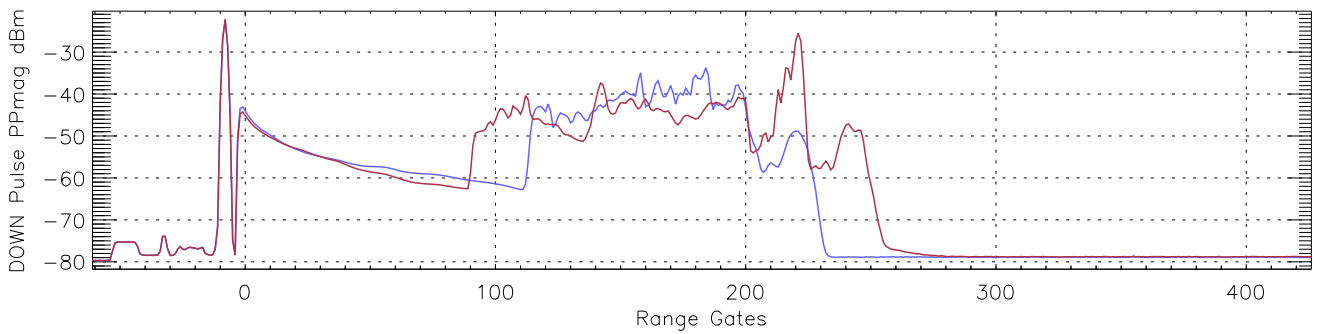
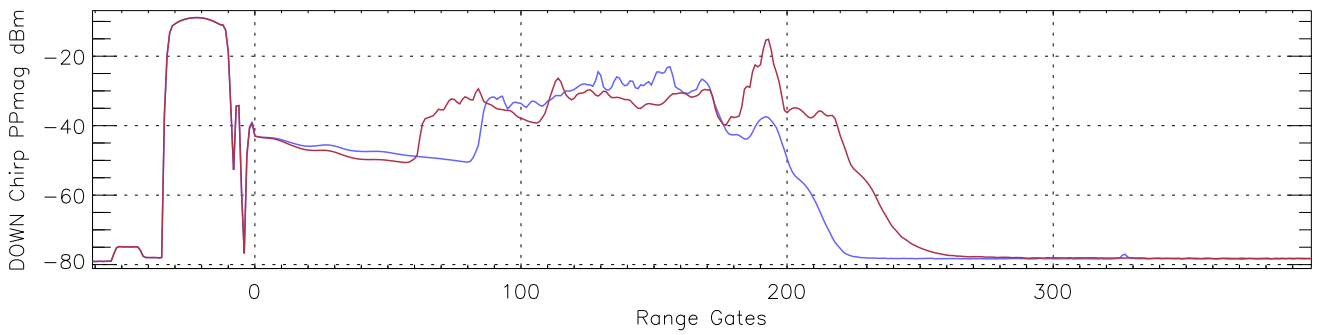
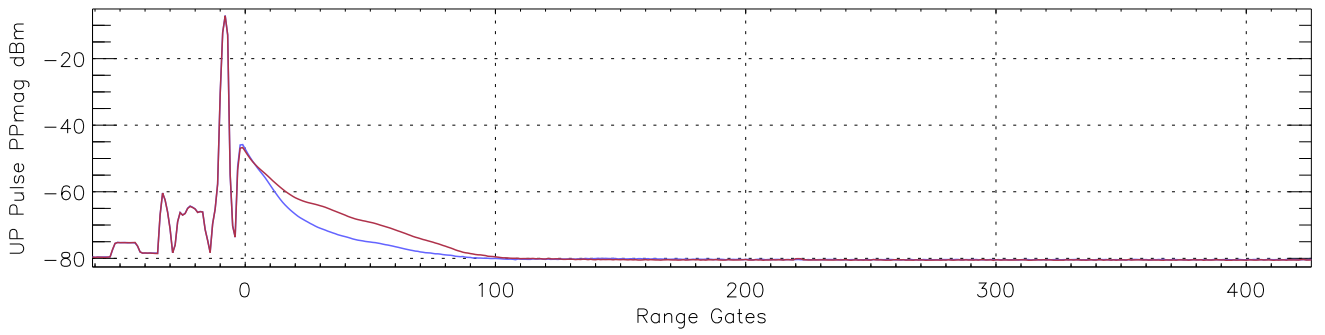
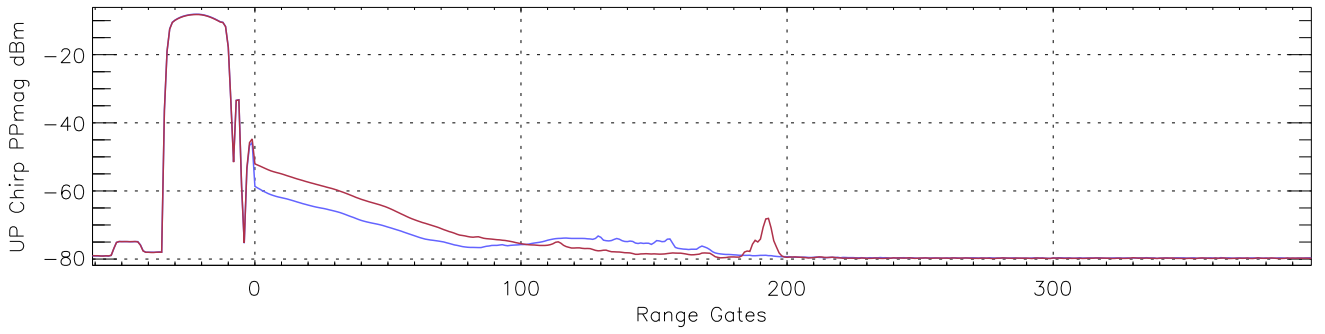




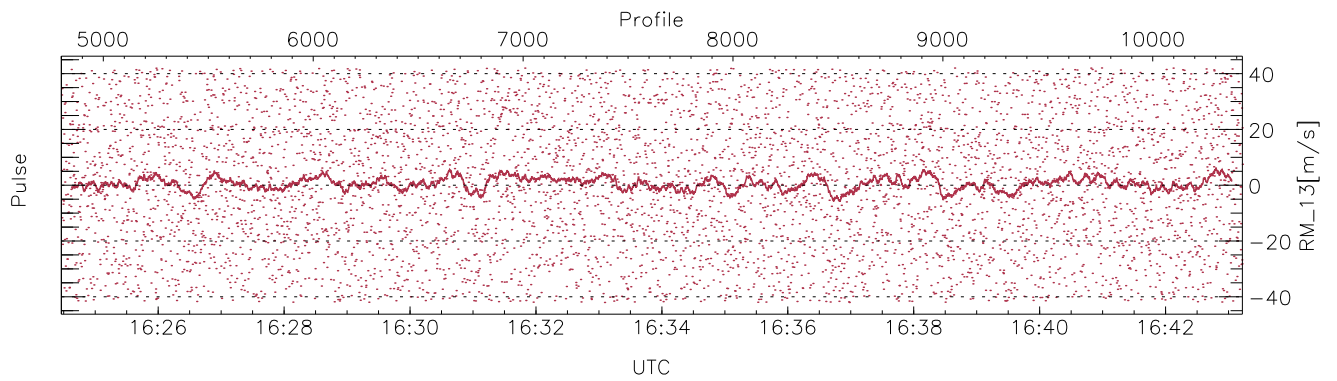
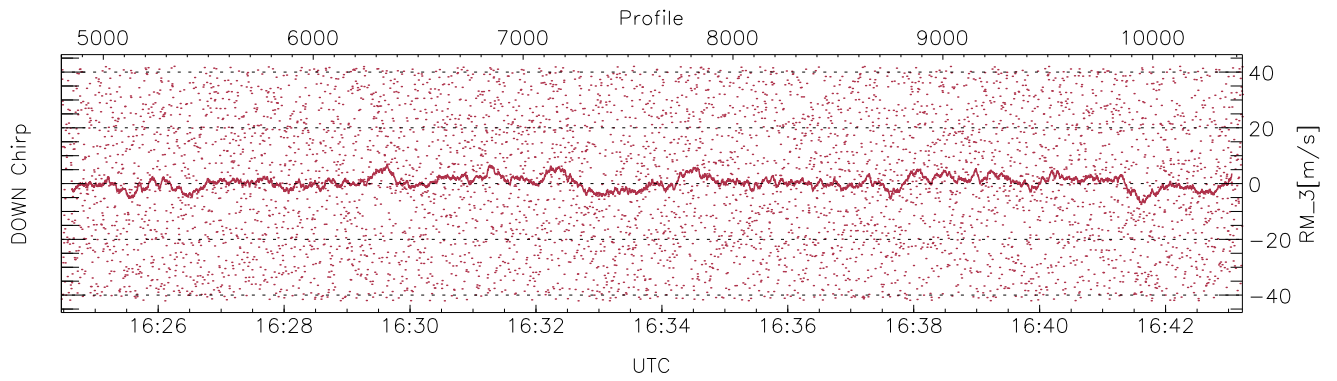
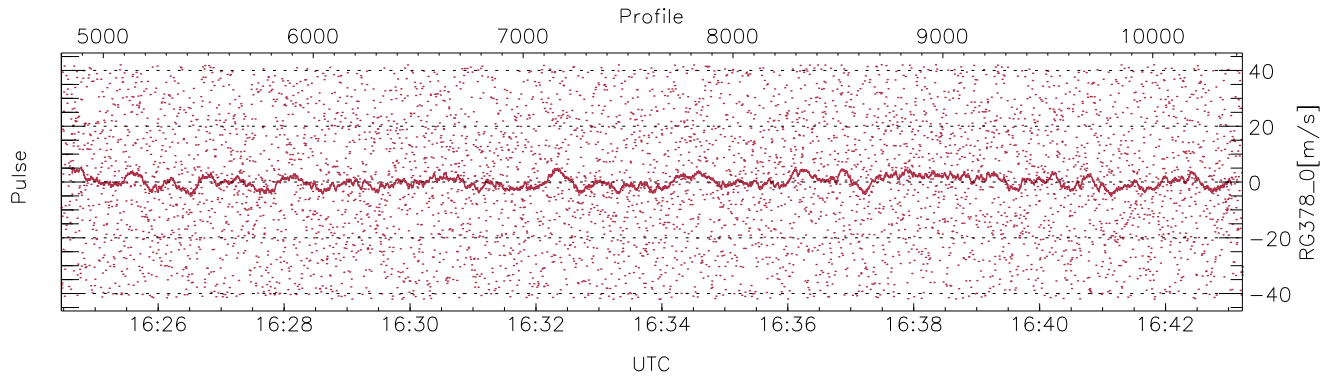
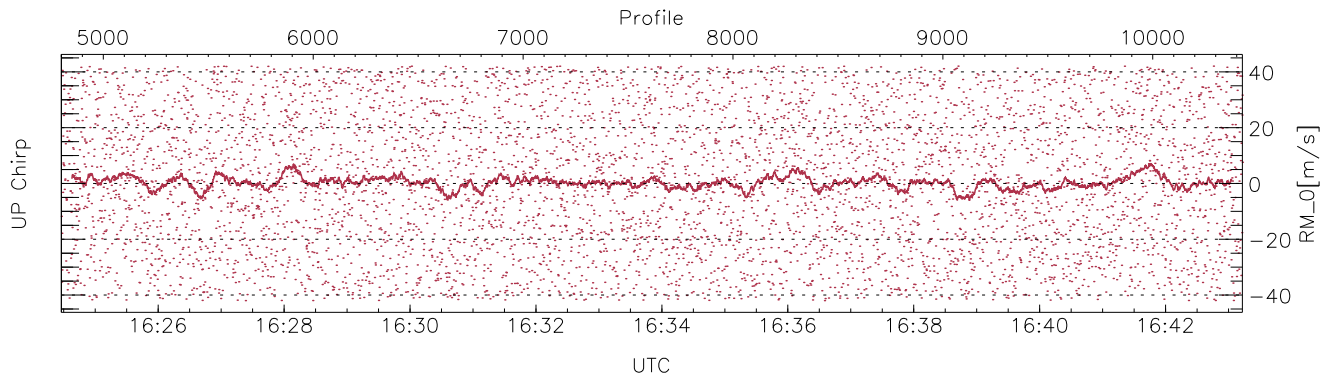
KPR SPP Averaged Received power for all recorded gates  
blue: 162428-163350, 2815 profiles averaged  
red: 163350-164313, 2814 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 162428-163350, 2815 profiles averaged  
red: 163350-164313, 2814 profiles averaged

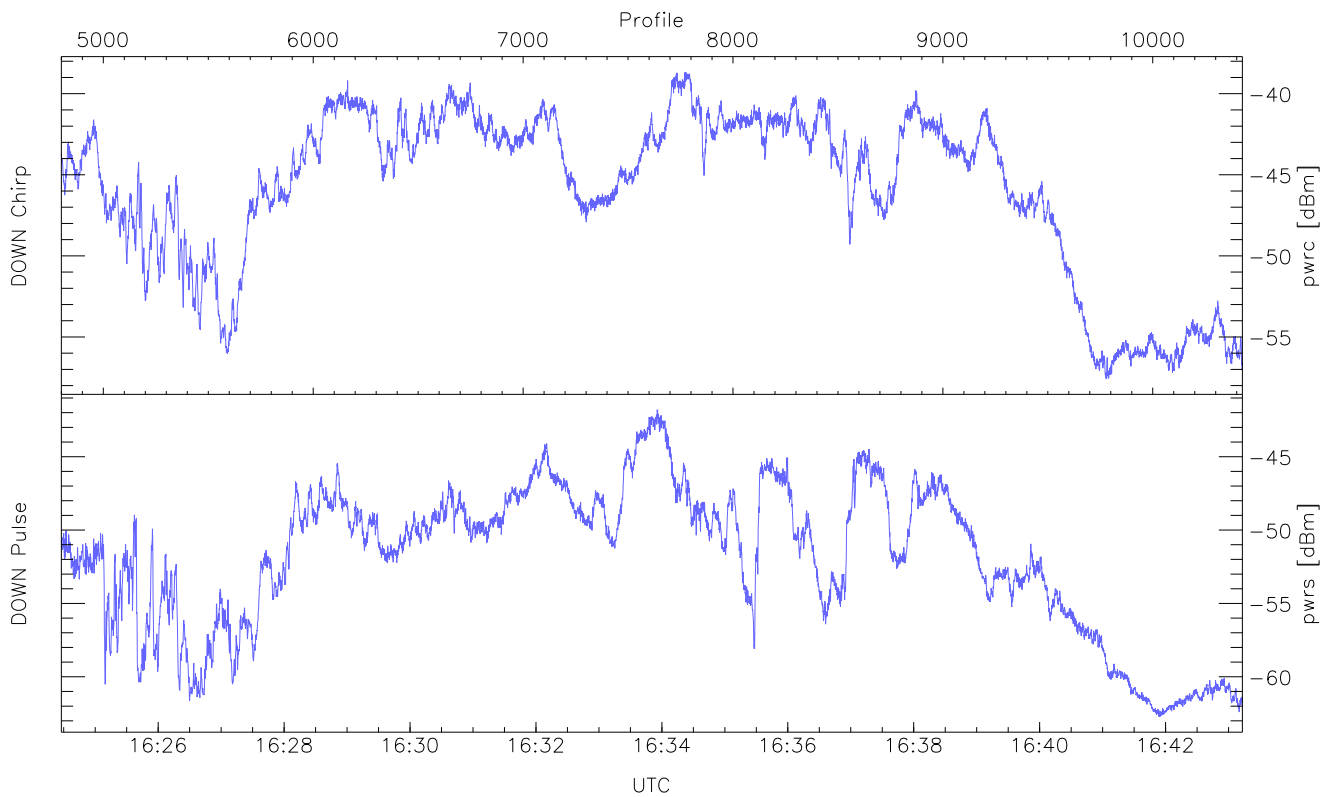
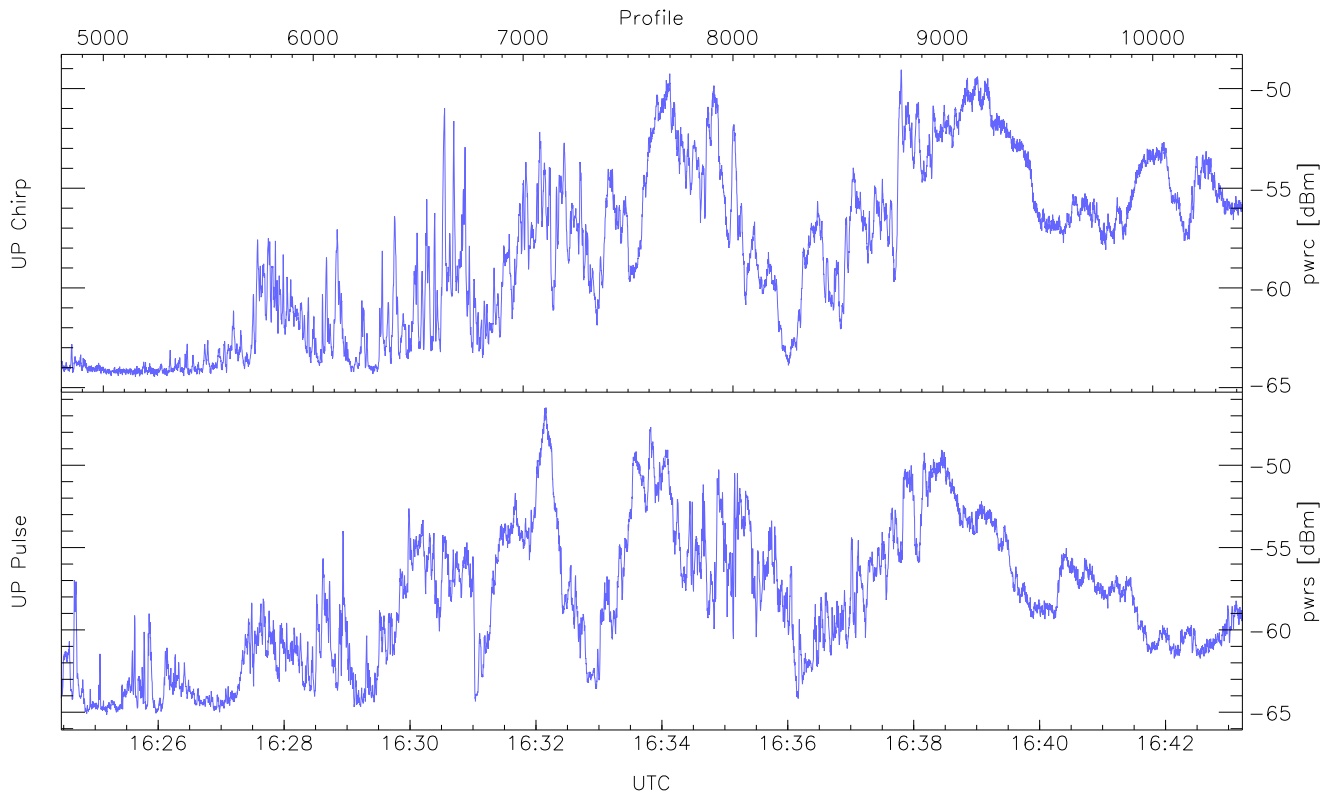


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 162428-163350, 2815 profiles averaged  
red: 163350-164313, 2814 profiles averaged



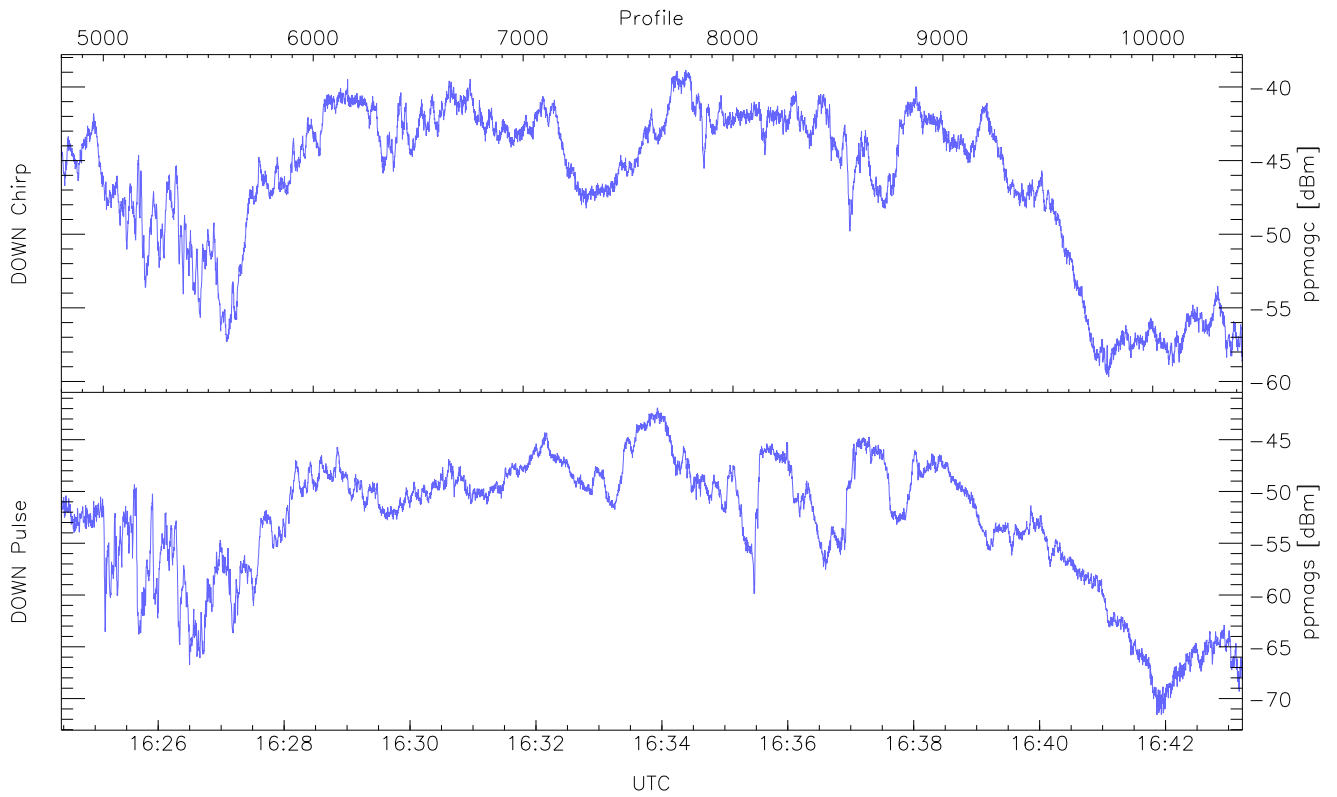
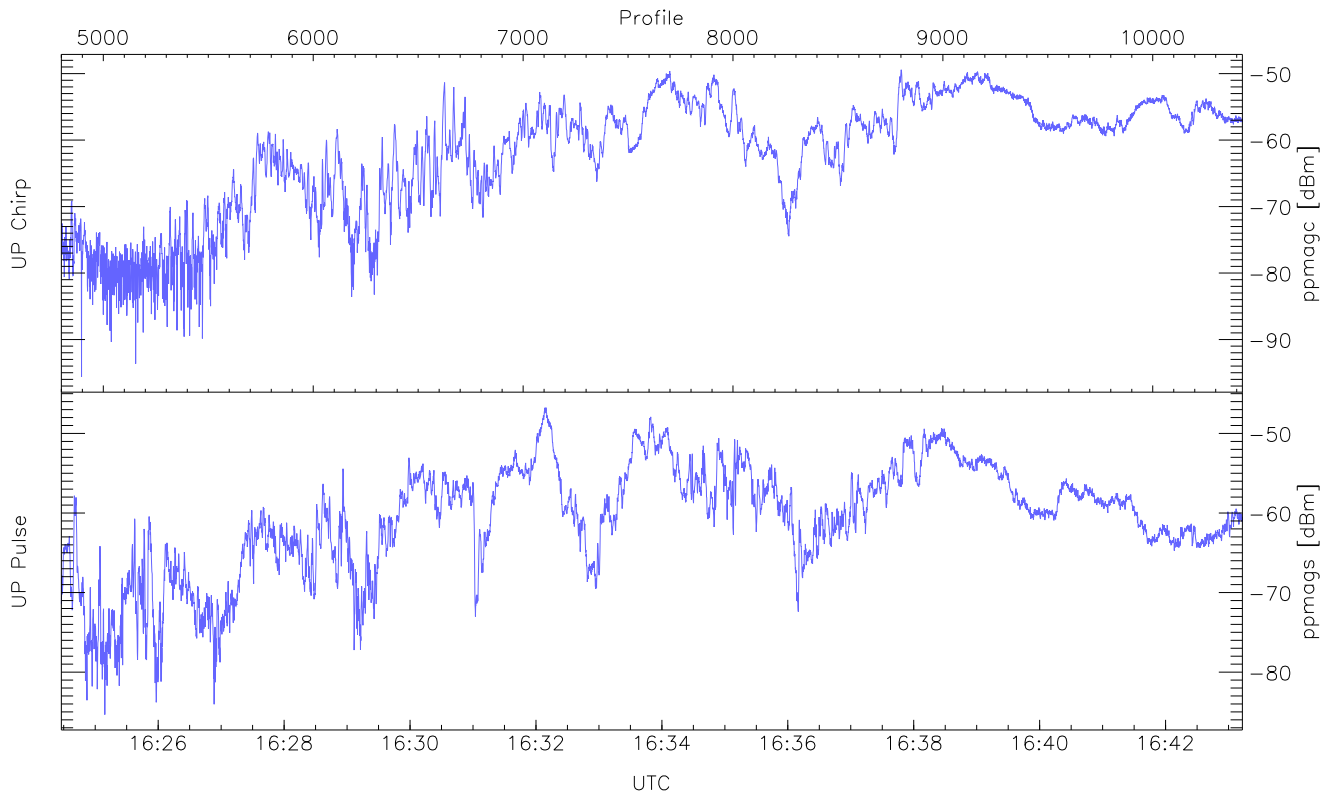
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-42.01	42.06	0.29	-0.07	24.11
UP_P_RG378_0	-42.04	42.06	-0.06	-0.21	22.77
DOWN_C_RM_3	-42.06	42.05	0.30	0.42	24.16
DOWN_P_RM_13	-42.03	42.06	0.54	0.56	23.33



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

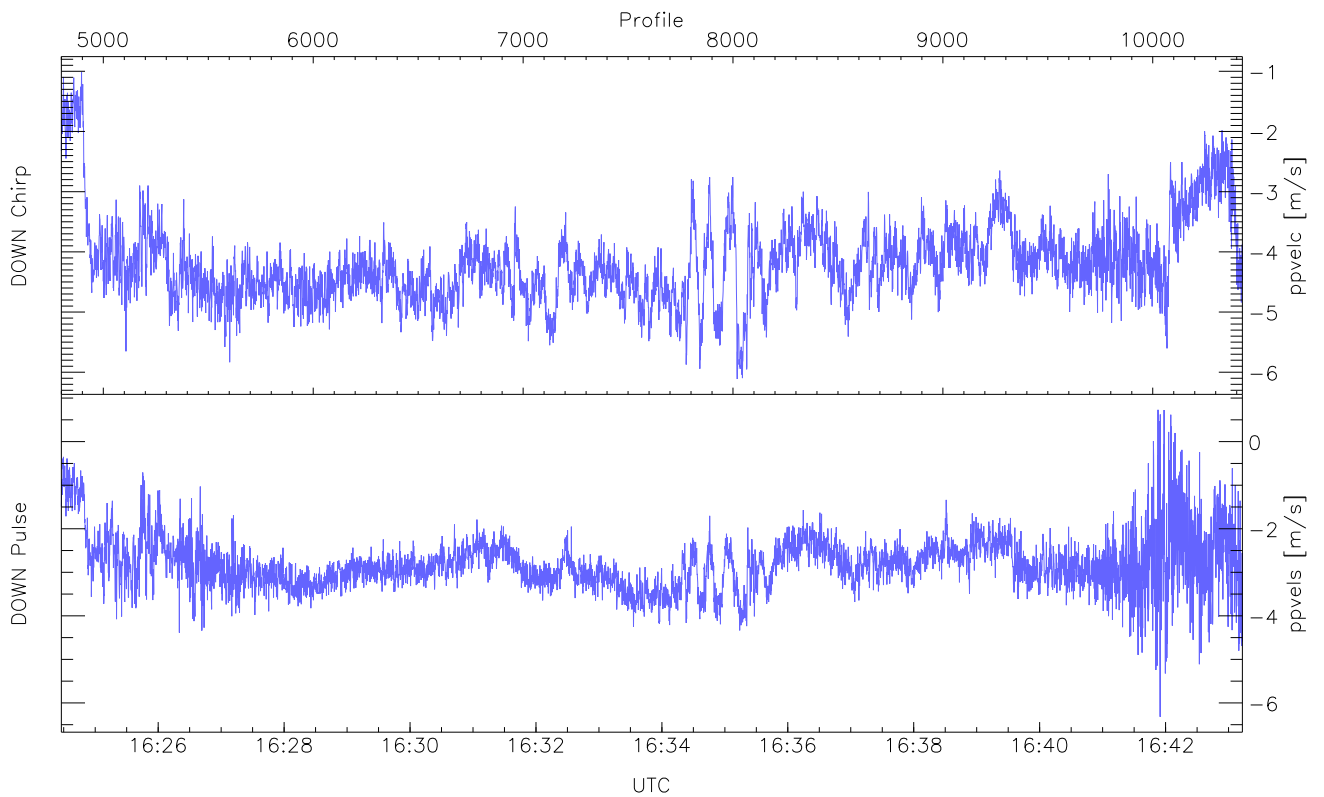
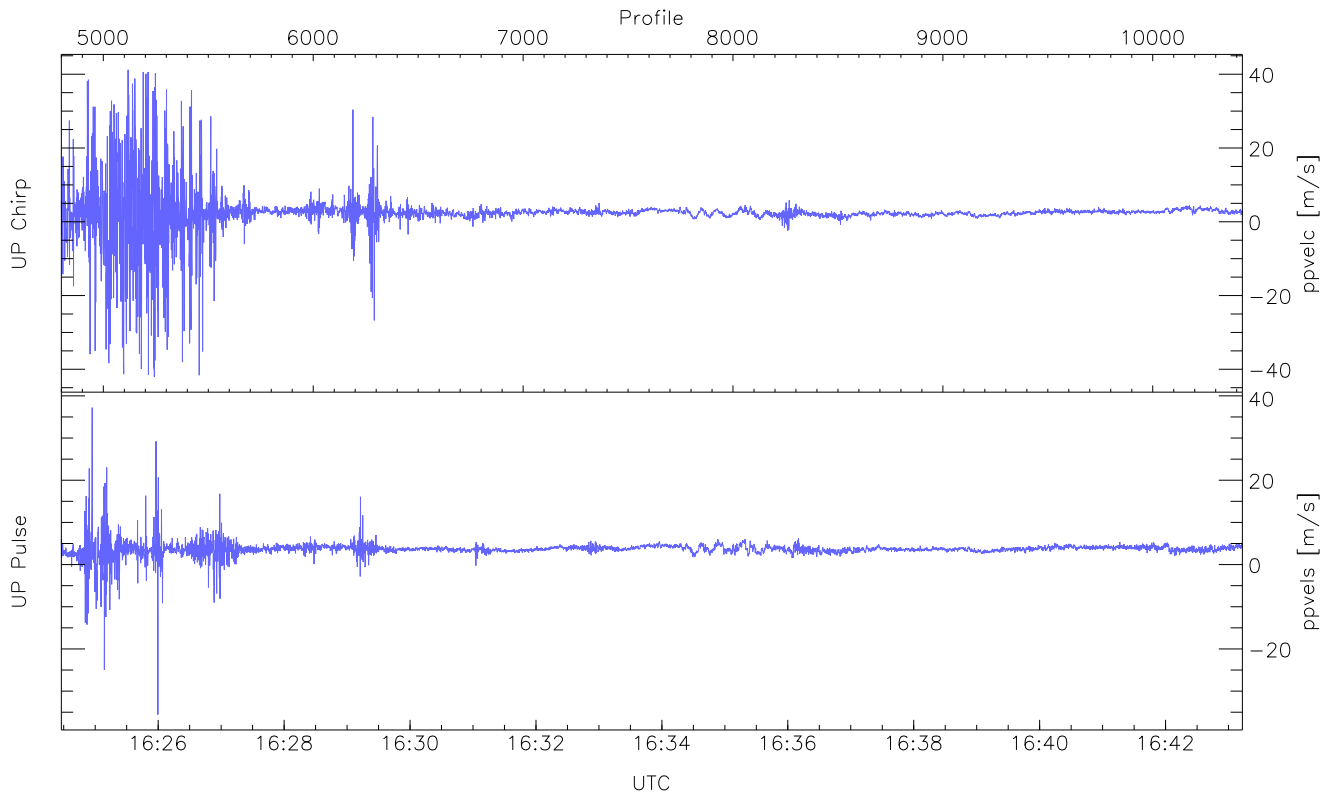
	Min	Max	Mean
UP Chirp(dBm)	-64.46	-49.06	-56.18
UP Pulse(dBm)	-65.14	-46.50	-56.11
DOWN Chirp(dBm)	-57.59	-38.66	-43.92
DOWN Pulse(dBm)	-62.73	-41.80	-49.70



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

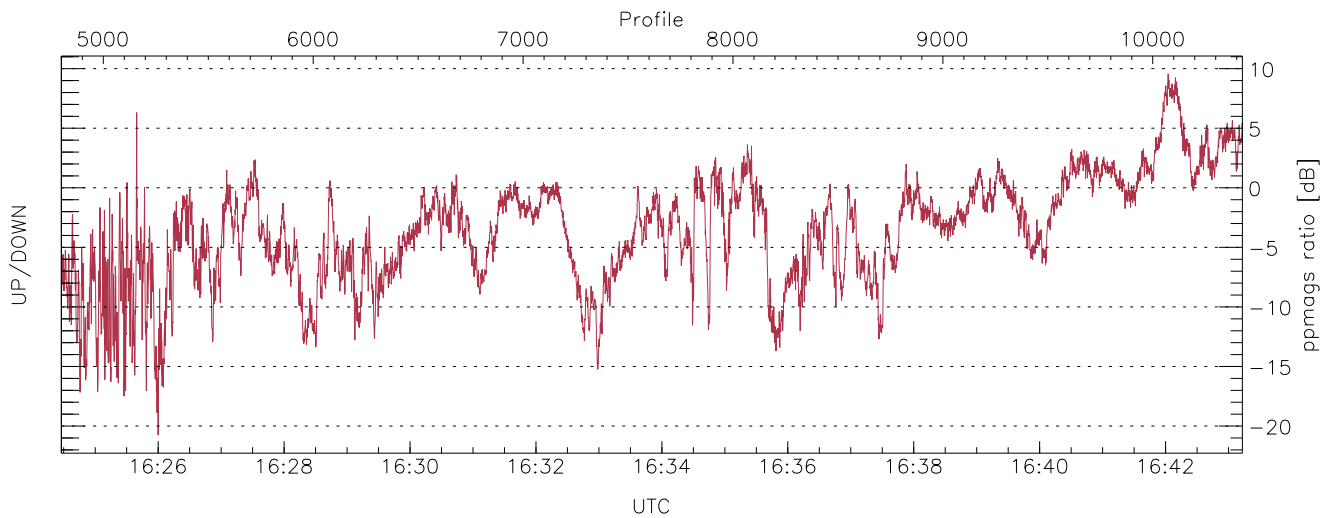
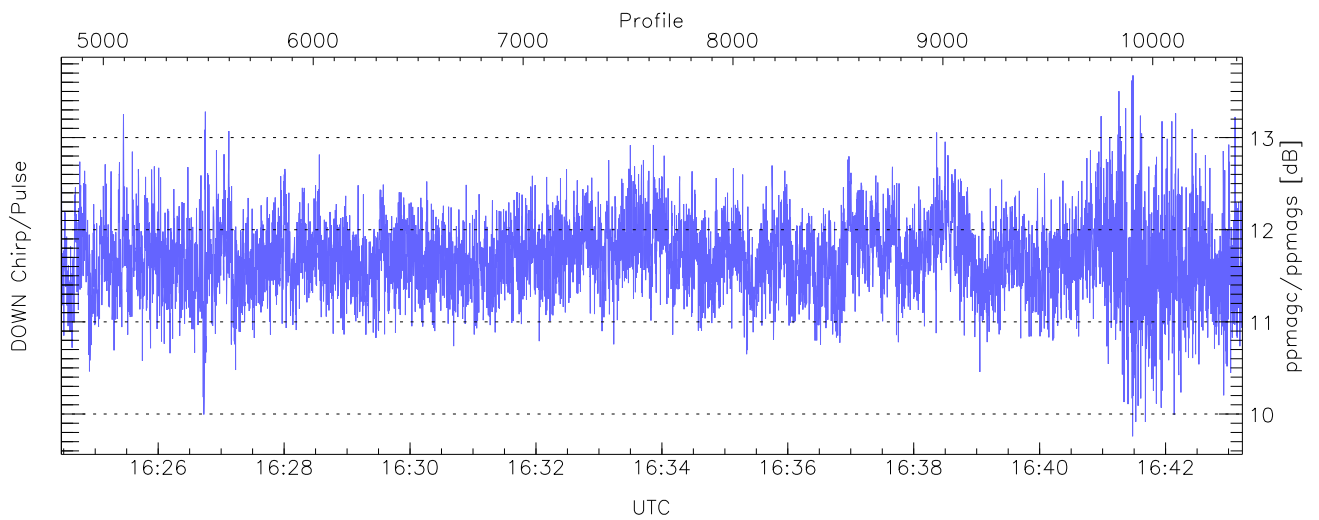
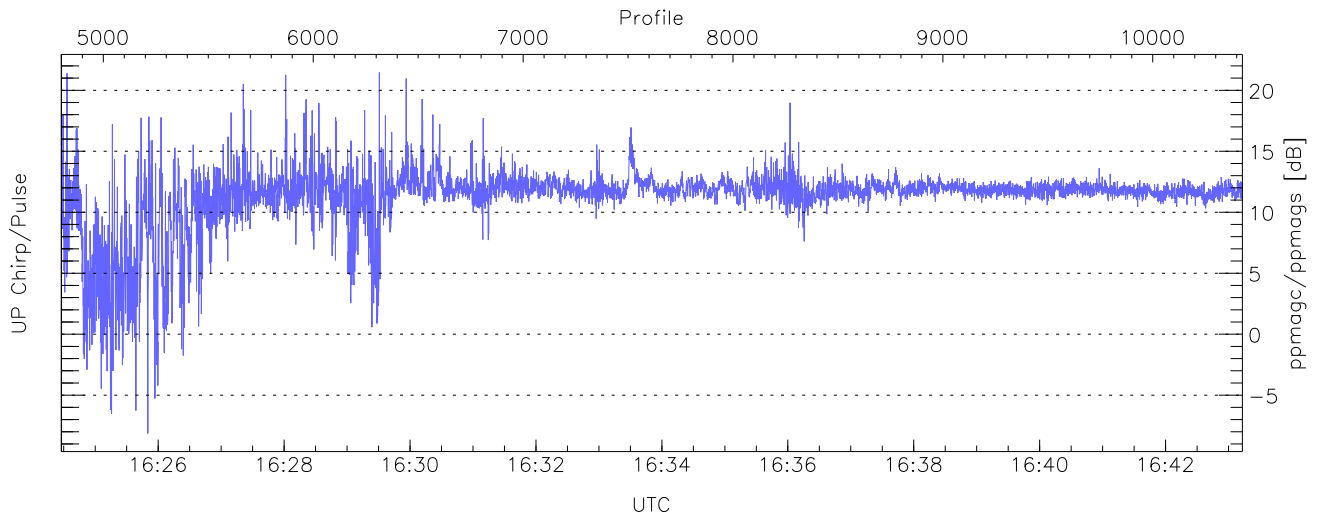
KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-95.61	-49.42	-57.21
UP Pulse(dBm)	-85.34	-46.74	-56.88
DOWN Chirp(dBm)	-59.70	-38.85	-44.26
DOWN Pulse(dBm)	-71.57	-41.92	-50.05



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)	-42.05	41.21	2.32
UP Pulse(m/s)	-35.57	37.23	3.67
DOWN Chirp(m/s)	-6.11	-1.01	-4.18
DOWN Pulse(m/s)	-6.32	0.73	-2.81



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-8.14	21.46	11.74
DOWN Chirp/Pulse(dBm)	9.76	13.68	11.71
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-20.76	9.55	-1.40