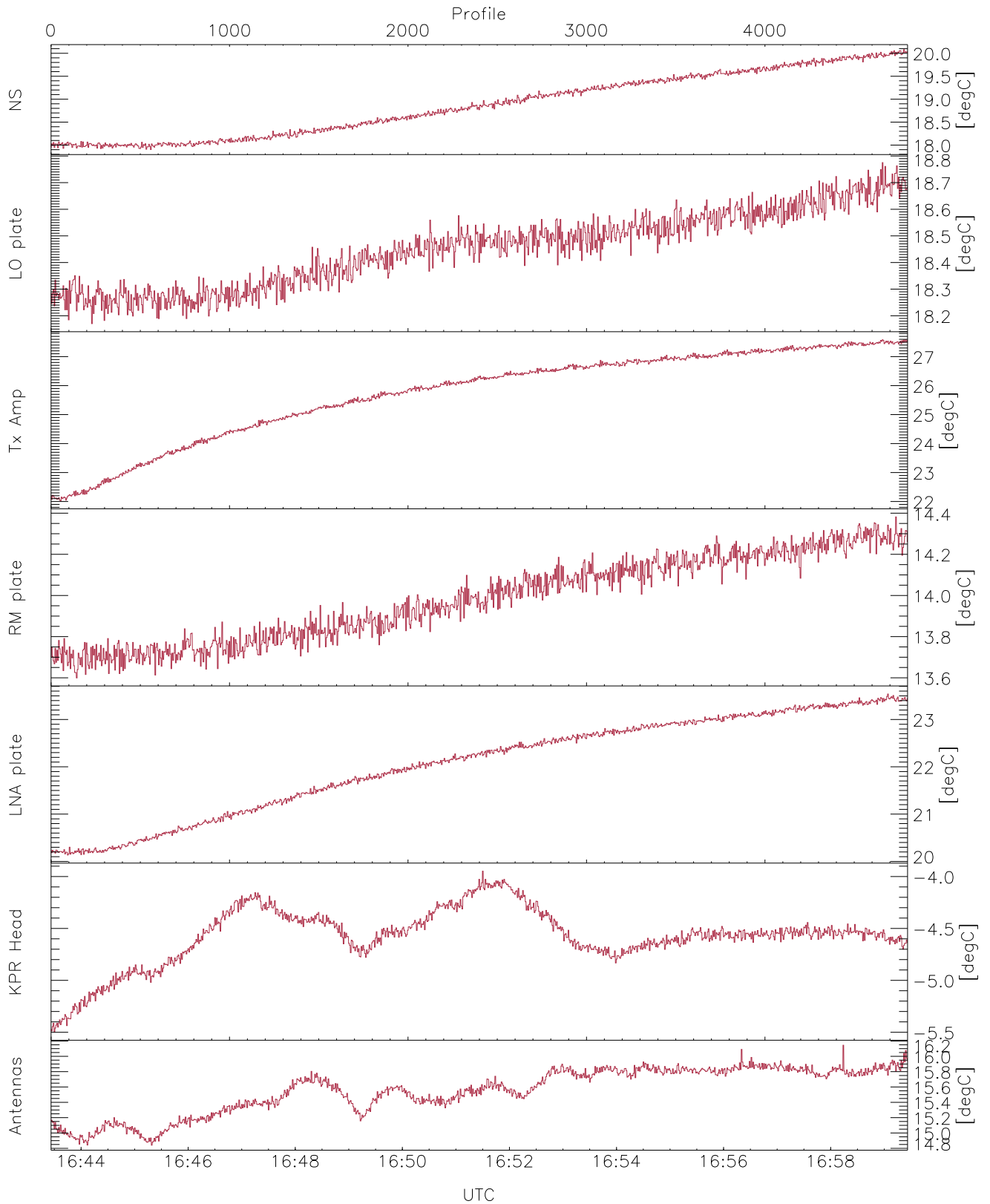


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 16:43:26-17:04:14, TimeCor: 0.00s, Dur: 959.88s
 TimeInt(min,max,mn,std): 199.6,200.4,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 4800/6238, 0-4799/16:43:26-16:59:26
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.8 KB/s
 Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 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

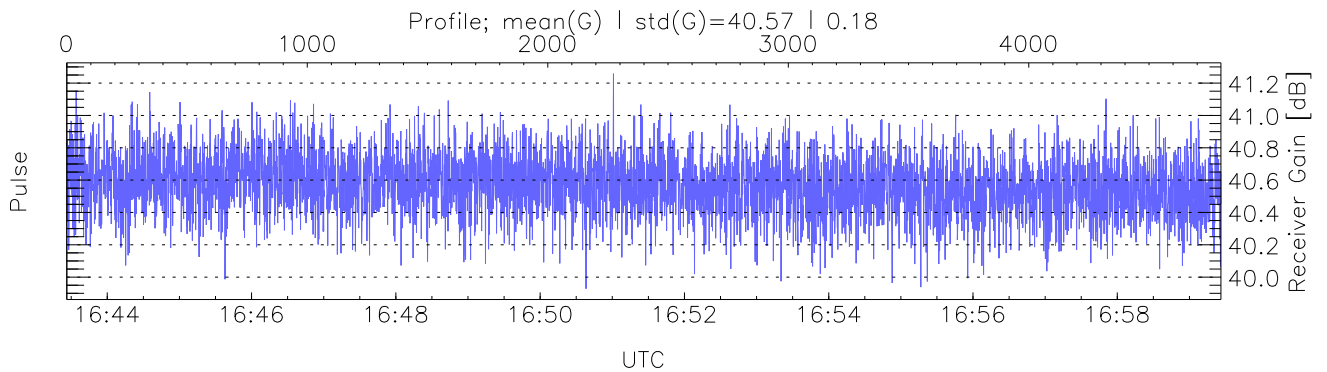
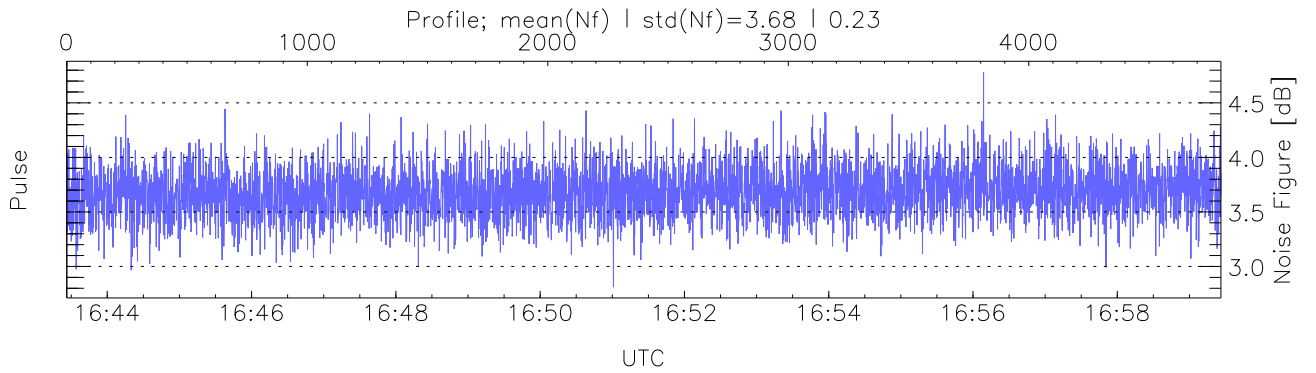
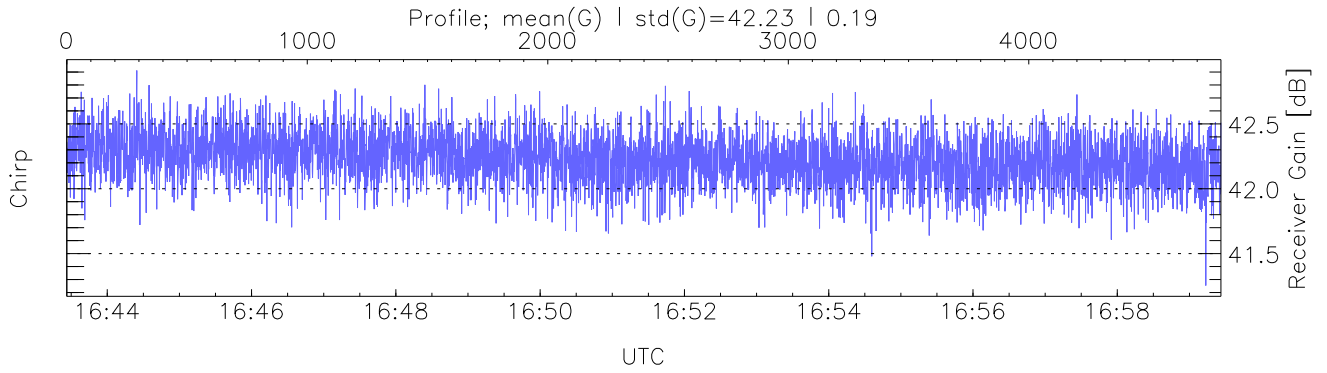
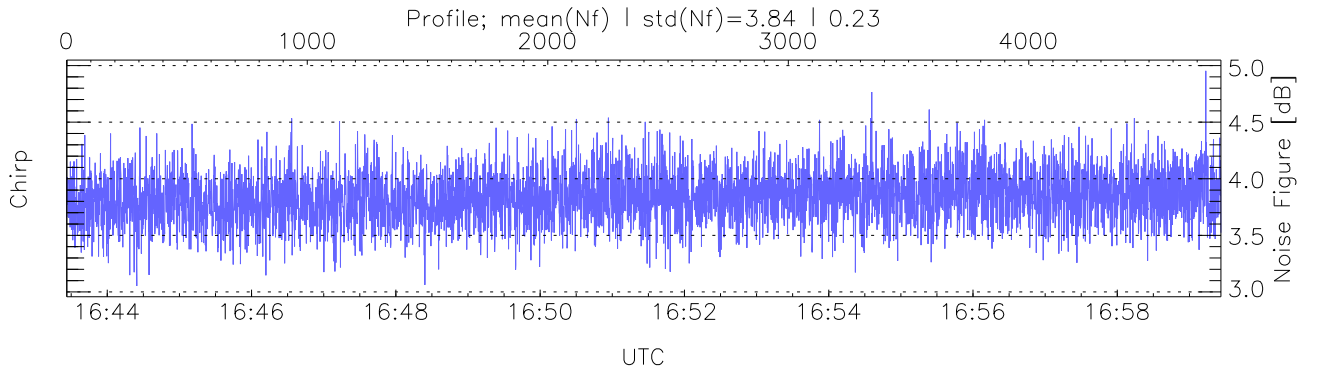


KPR SPP Temperatures, Power Supplies, PLO lock:

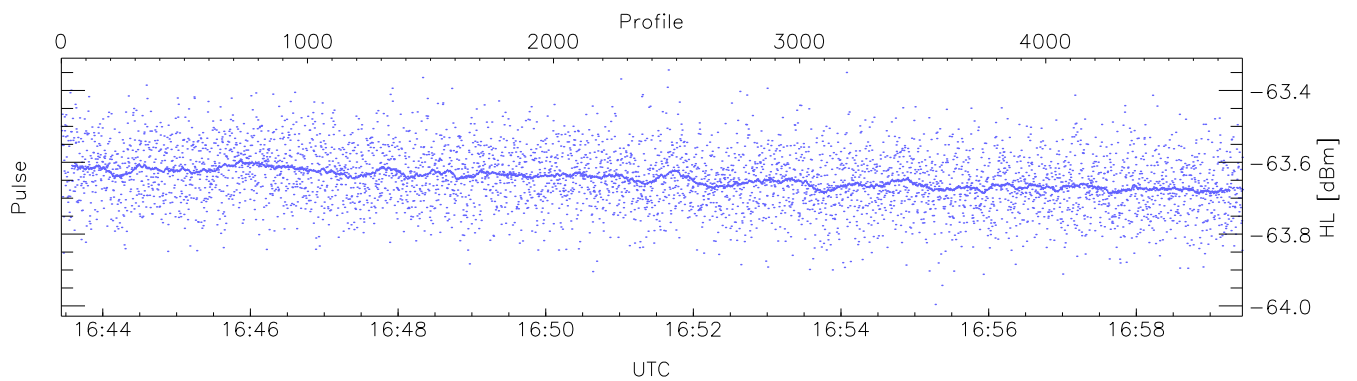
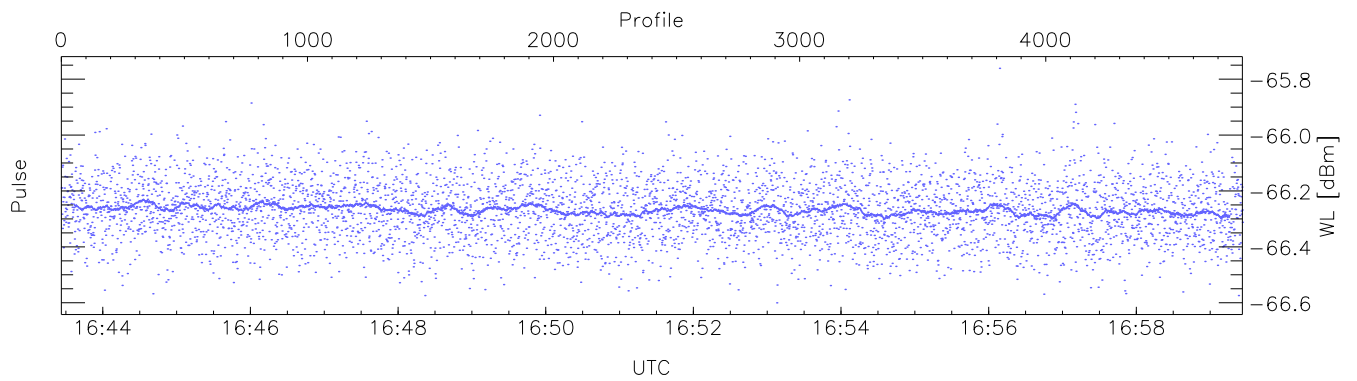
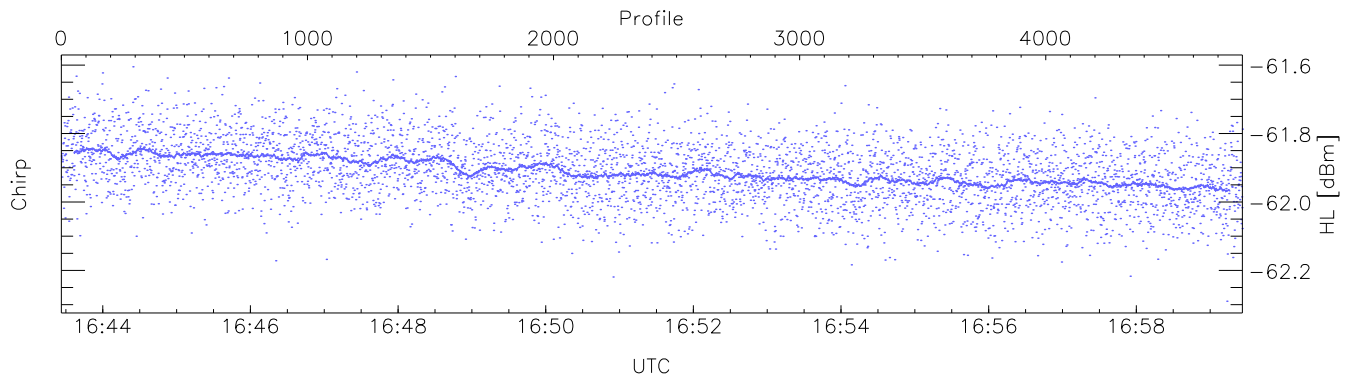
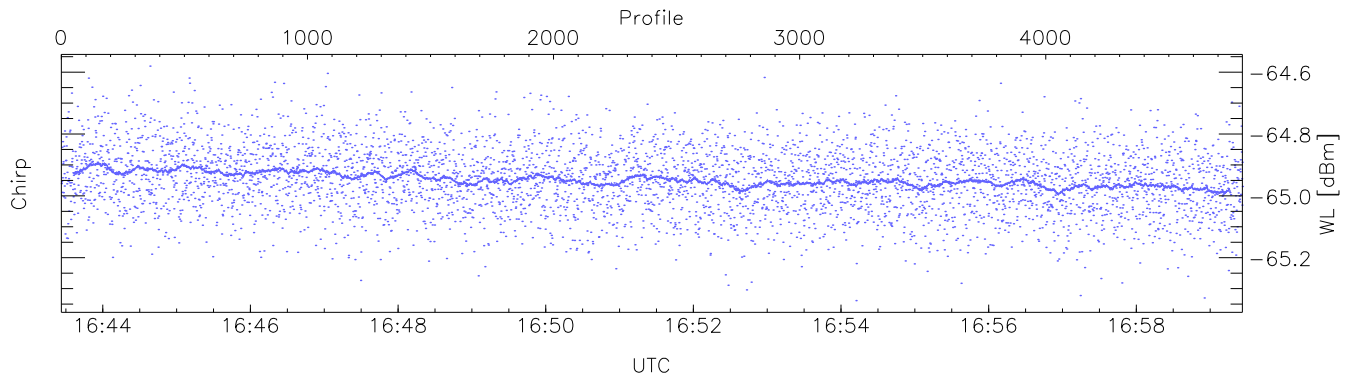
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	17.9,	18.2,	22.0,	13.6,	20.1,	-5.5,	14.8
maxtempC:	20.1,	18.8,	27.6,	14.4,	23.5,	-3.9,	16.1
meantempC:	18.9,	18.5,	25.7,	14.0,	22.1,	-4.6,	15.5

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.67,	11.64,	7.87,	5.21
maxVDC:	27.76,	11.72,	7.89,	5.23
meanVDC:	26.83,	11.68,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

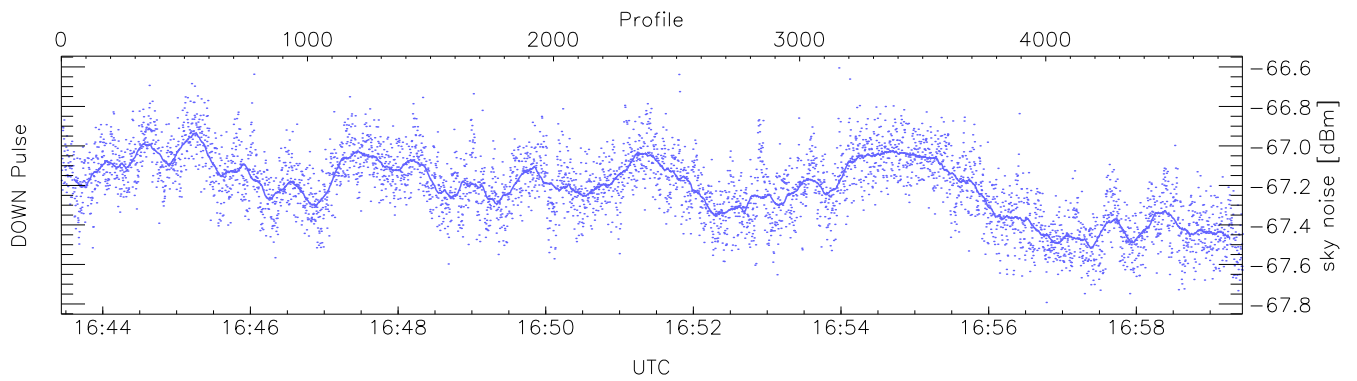
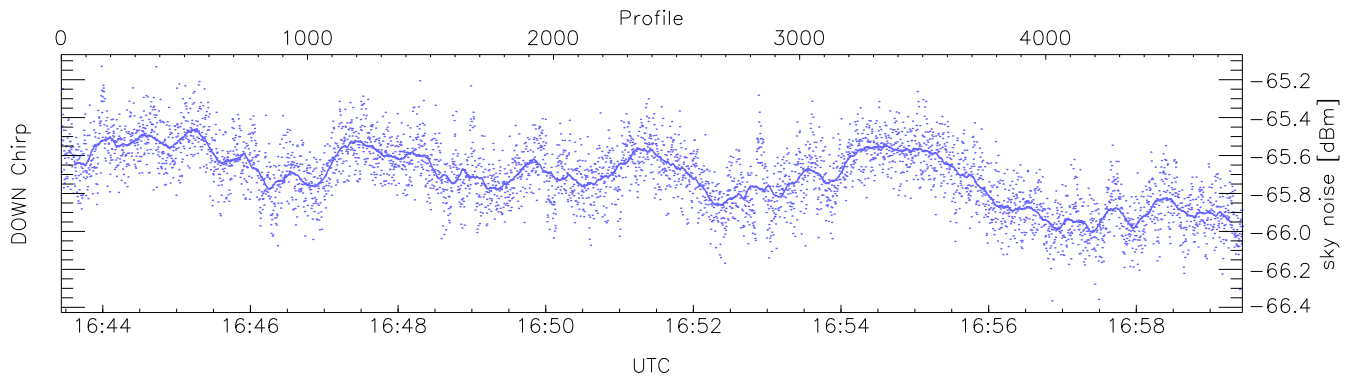
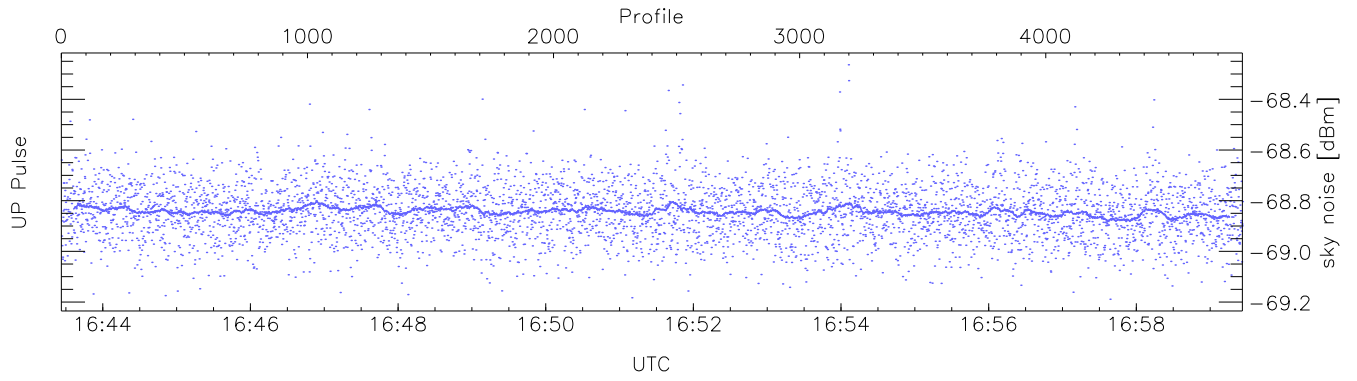
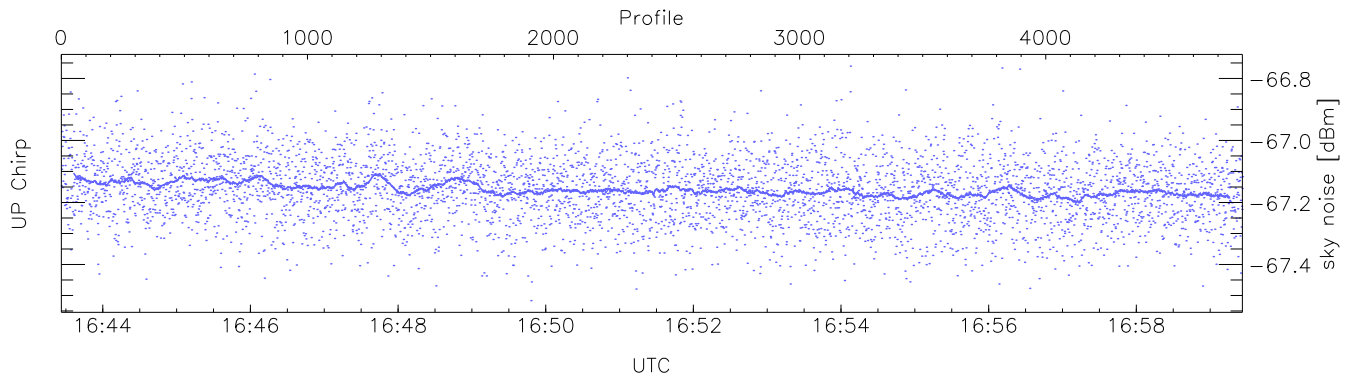


KPR SPP Receiver Gain and Noise Figure



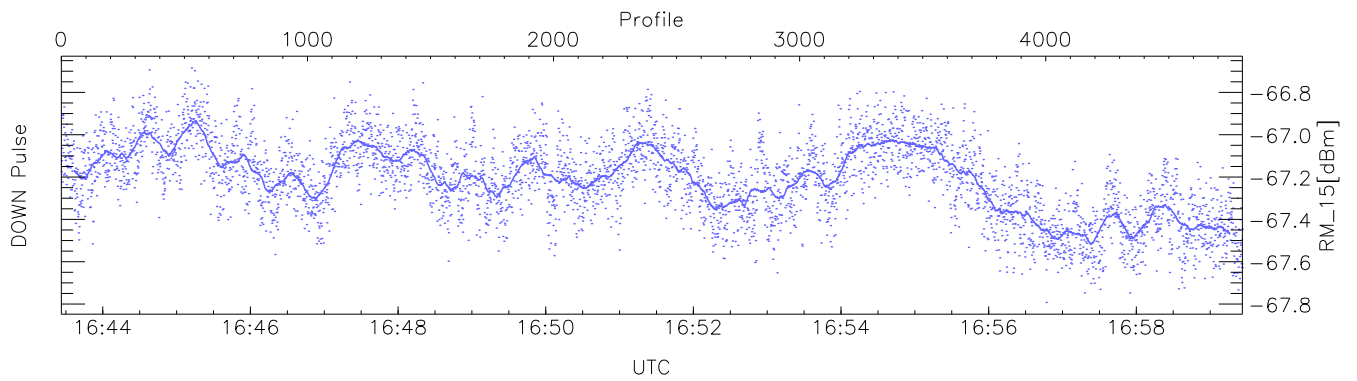
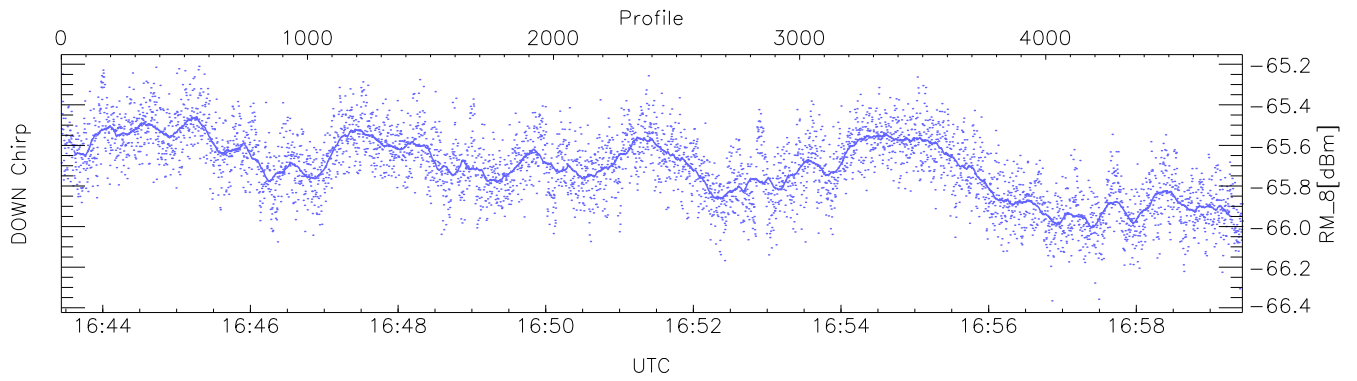
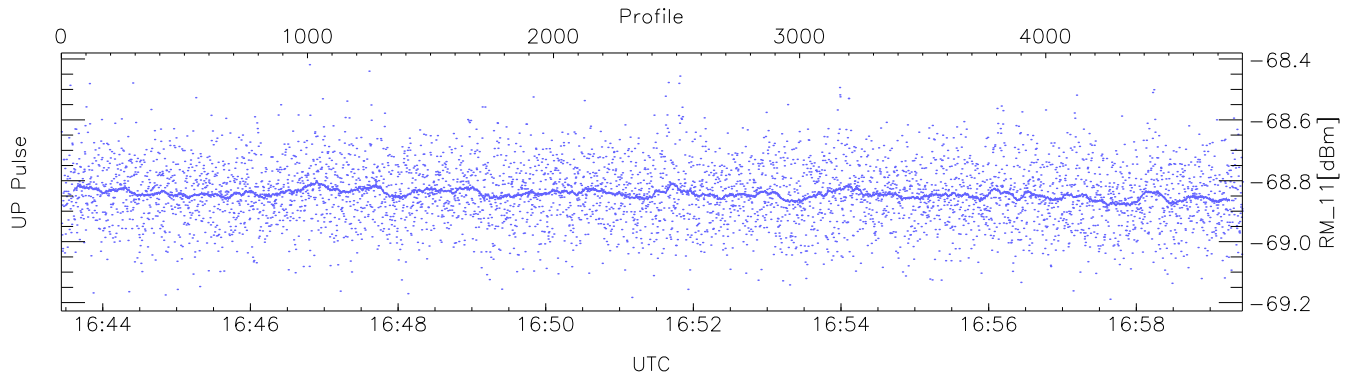
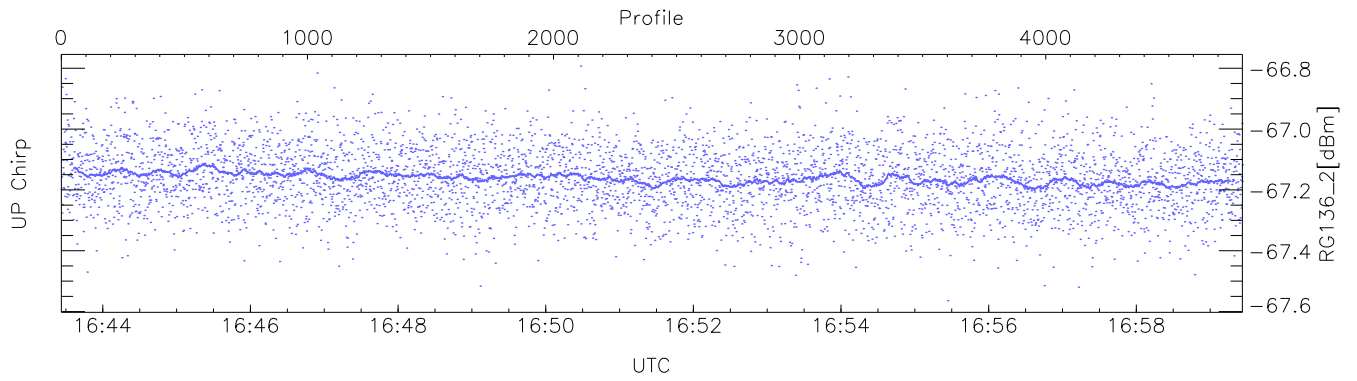
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.34	-64.58	-64.95	-64.95	-81.13
Chirp(HL [dBm])	-62.29	-61.60	-61.91	-61.91	-78.74
Pulse(WL [dBm])	-66.60	-65.76	-66.27	-66.27	-82.40
Pulse(HL [dBm])	-64.00	-63.34	-63.65	-63.65	-80.67



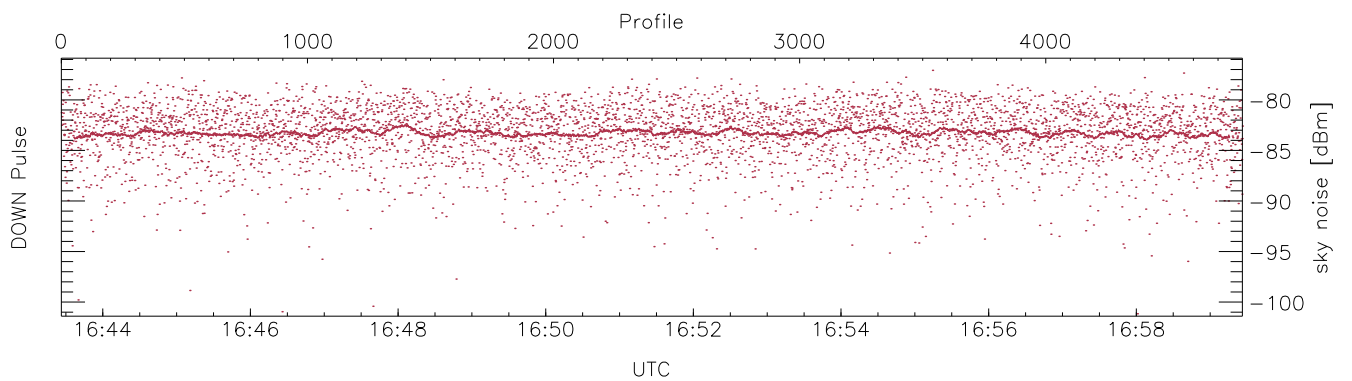
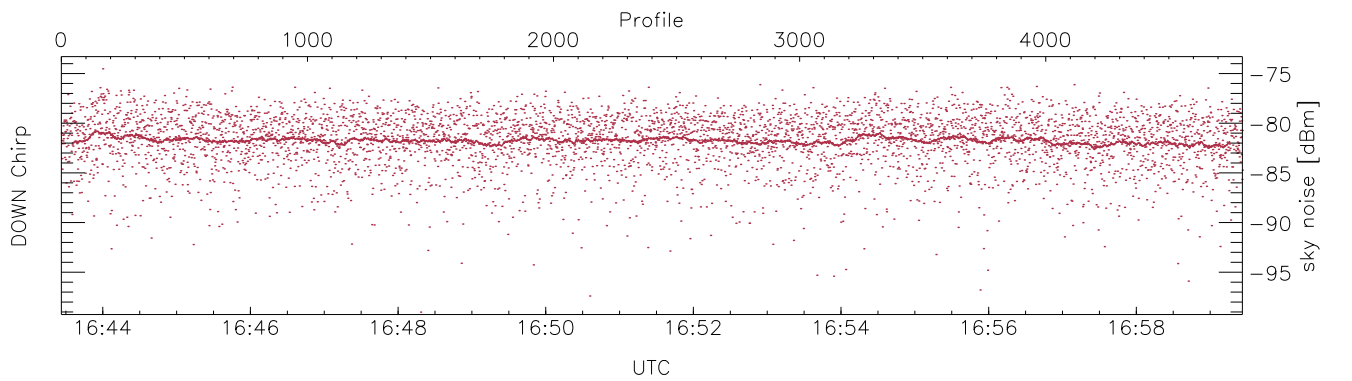
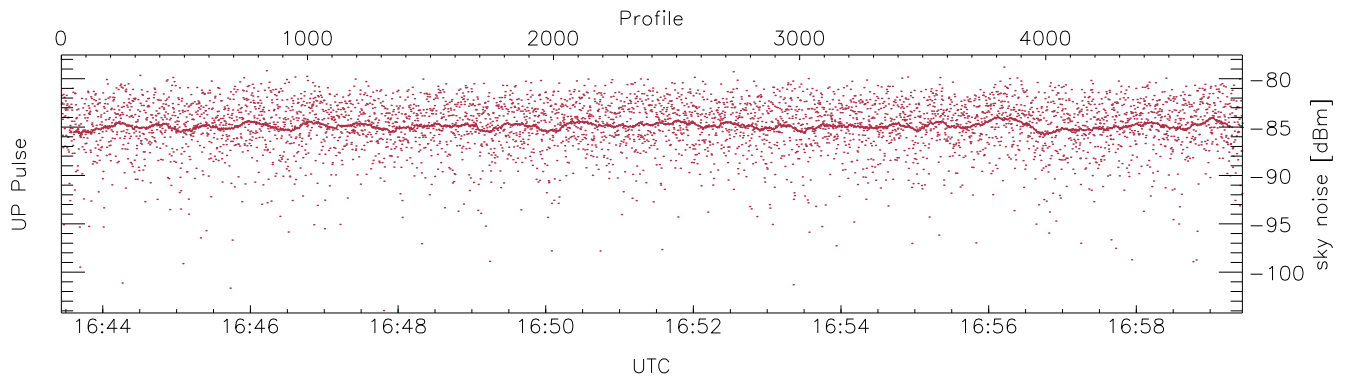
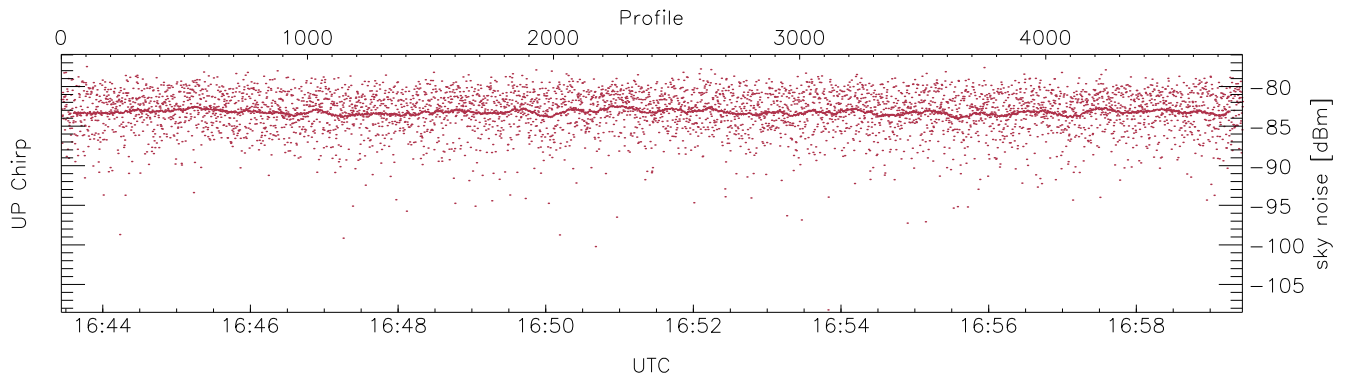
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.52	-66.76	-67.16	-67.16	-83.35
UP Pulse(dBm)	-69.19	-68.26	-68.84	-68.84	-84.91
DOWN Chirp(dBm)	-66.37	-65.13	-65.71	-65.70	-79.52
DOWN Pulse(dBm)	-67.79	-66.61	-67.21	-67.20	-80.91



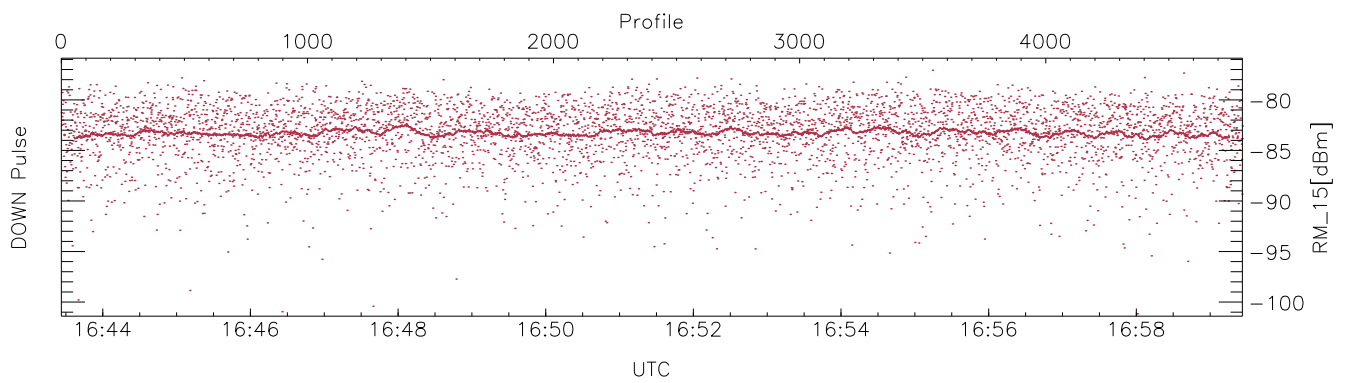
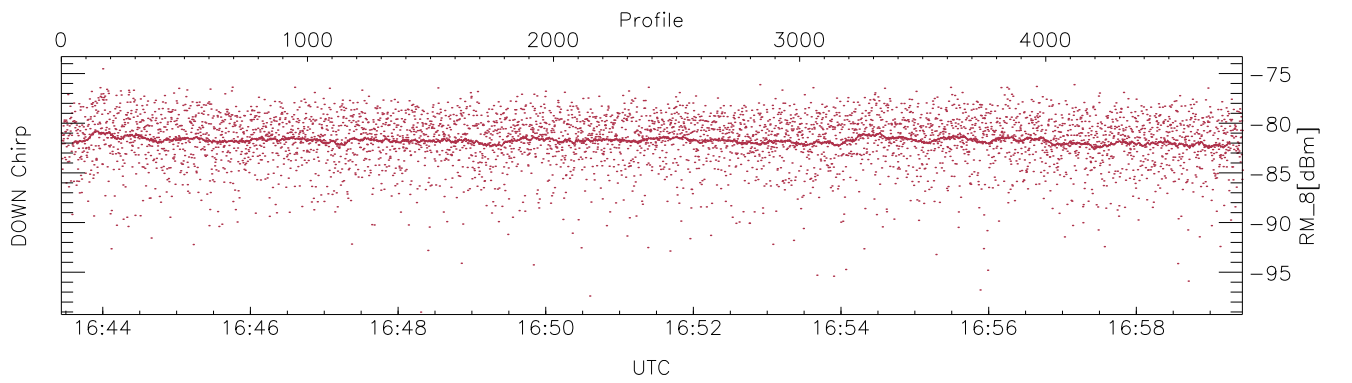
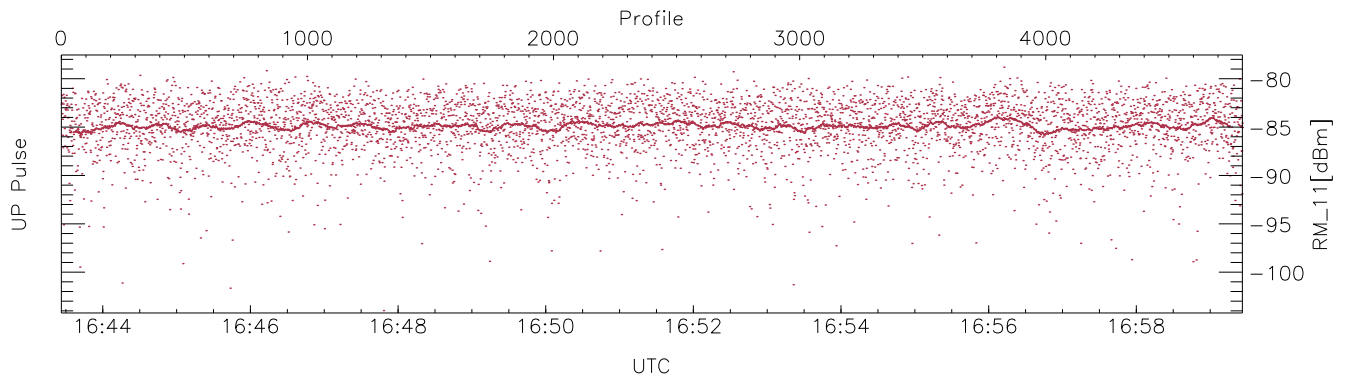
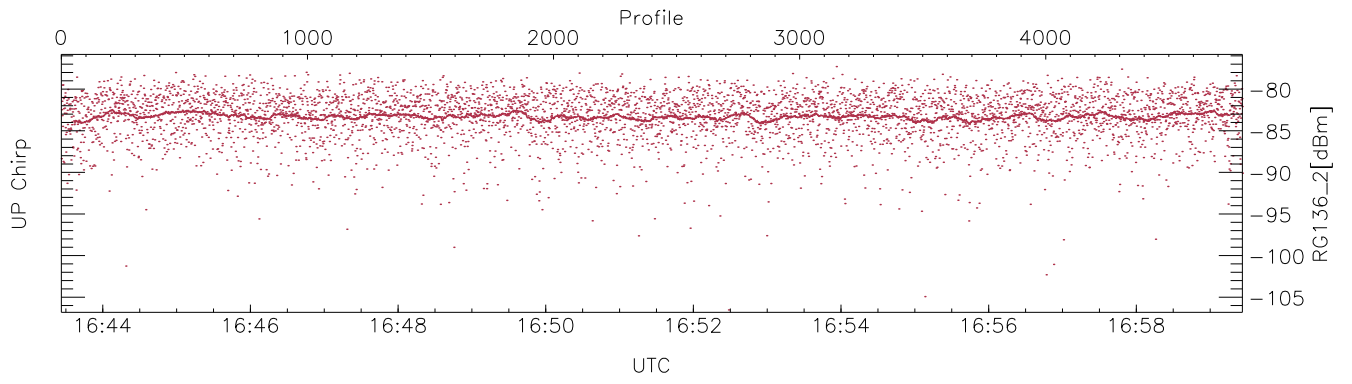
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG136_2	-67.56	-66.79	-67.16	-67.16	-83.47
UP_P_RM_11	-69.19	-68.42	-68.84	-68.84	-84.97
DOWN_C_RM_8	-66.37	-65.21	-65.71	-65.70	-79.53
DOWN_P_RM_15	-67.79	-66.68	-67.21	-67.20	-80.94



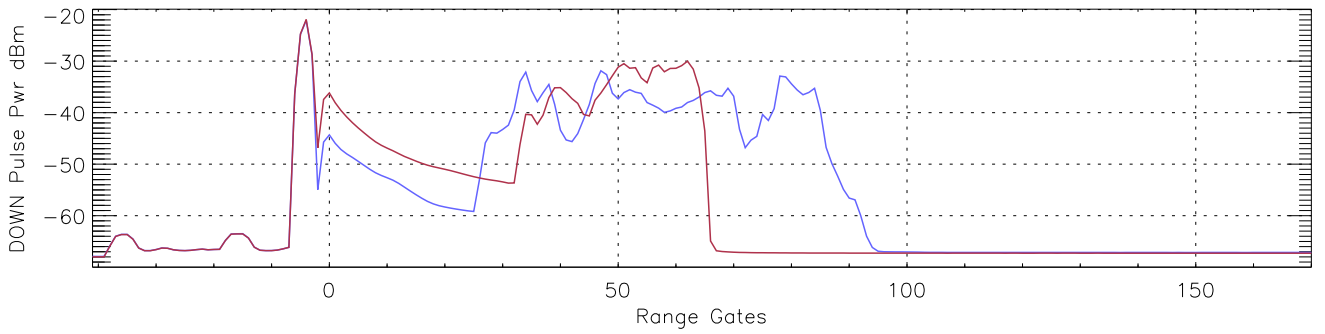
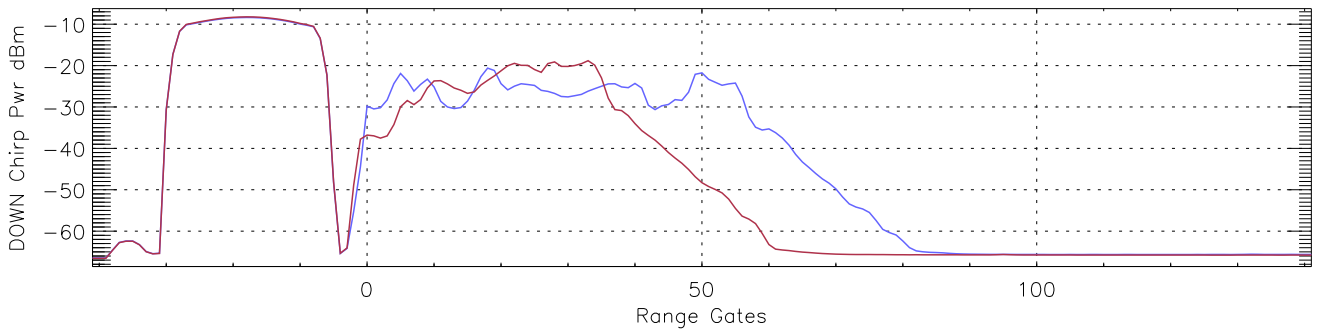
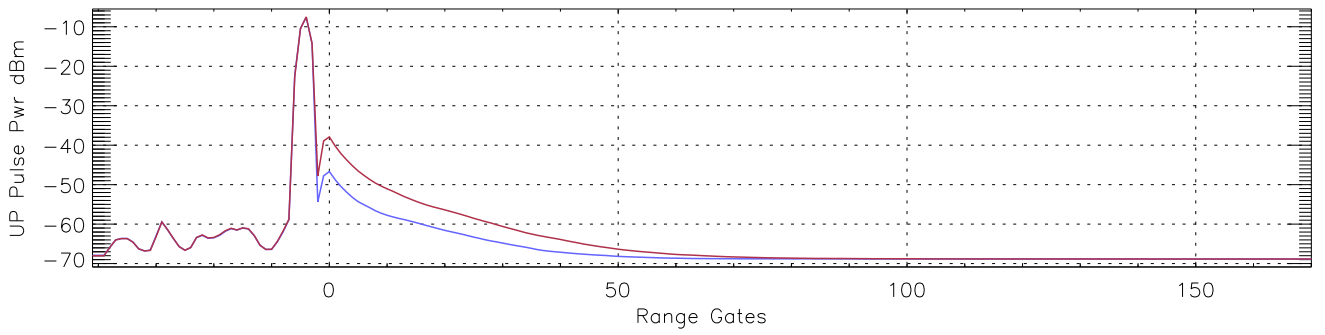
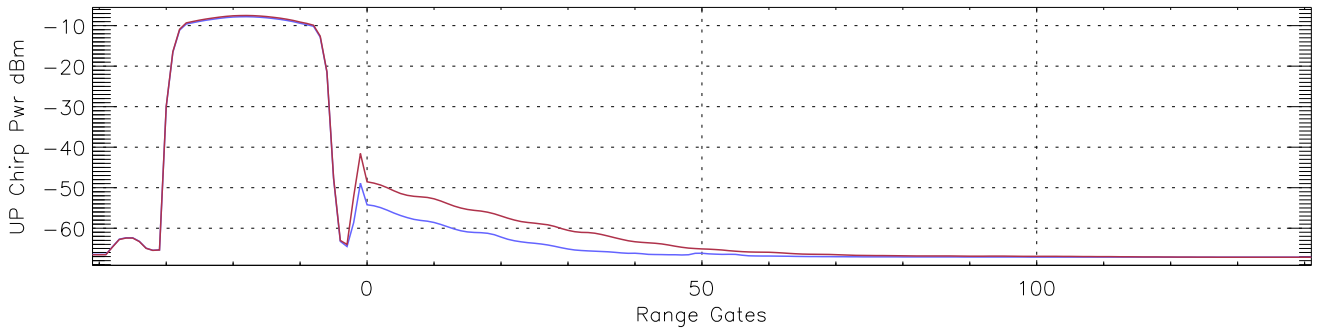
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-108.21	-77.48	-82.52	-82.81	-85.34
UP Pulse(dBm)	-103.96	-78.81	-84.18	-84.50	-87.00
DOWN Chirp(dBm)	-99.02	-74.52	-81.05	-81.30	-83.85
DOWN Pulse(dBm)	-101.15	-77.08	-82.55	-82.85	-85.36

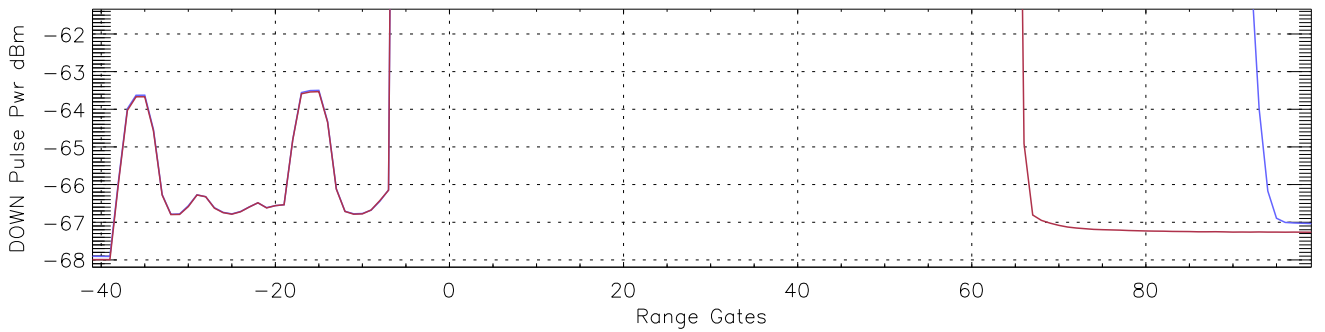
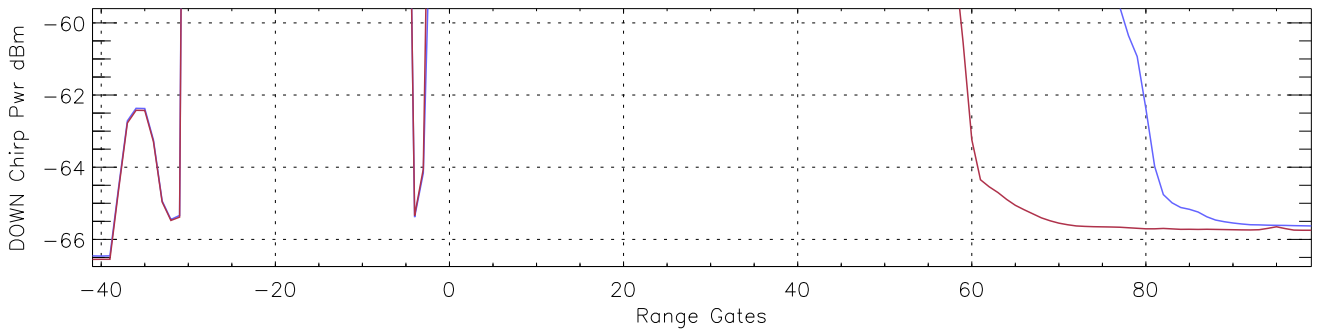
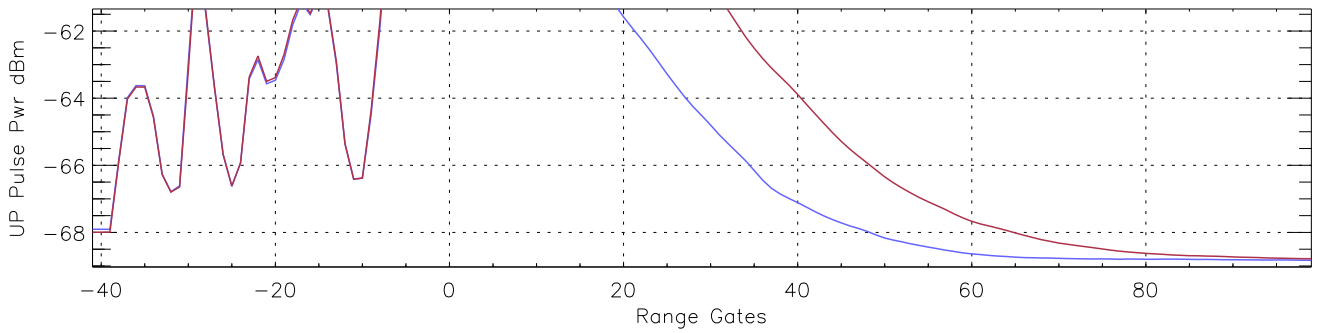
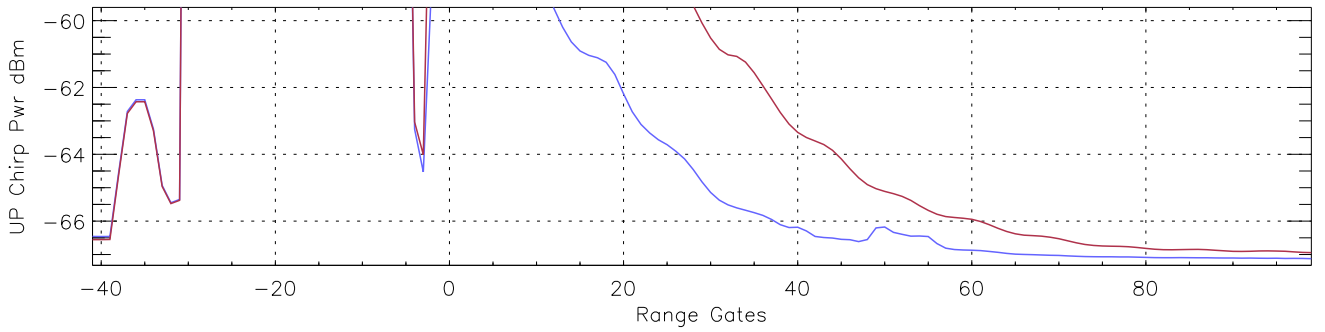


KPR SPP "Best" PPMAG noise (dBm):

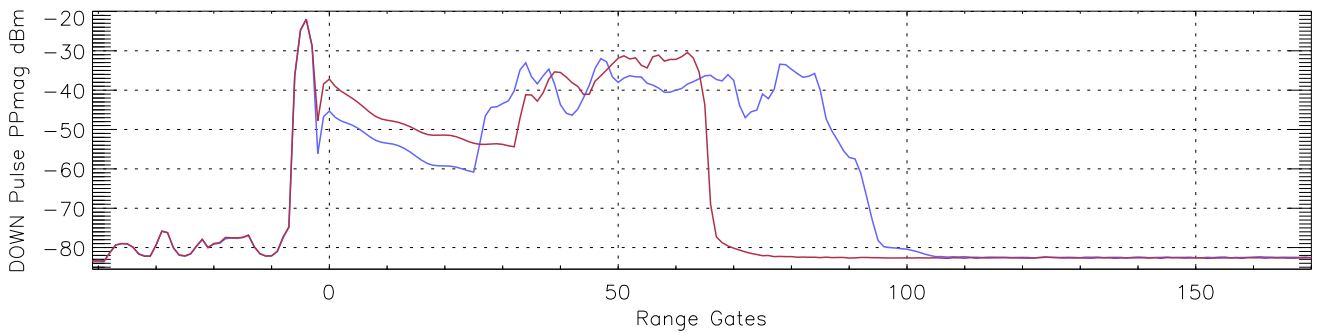
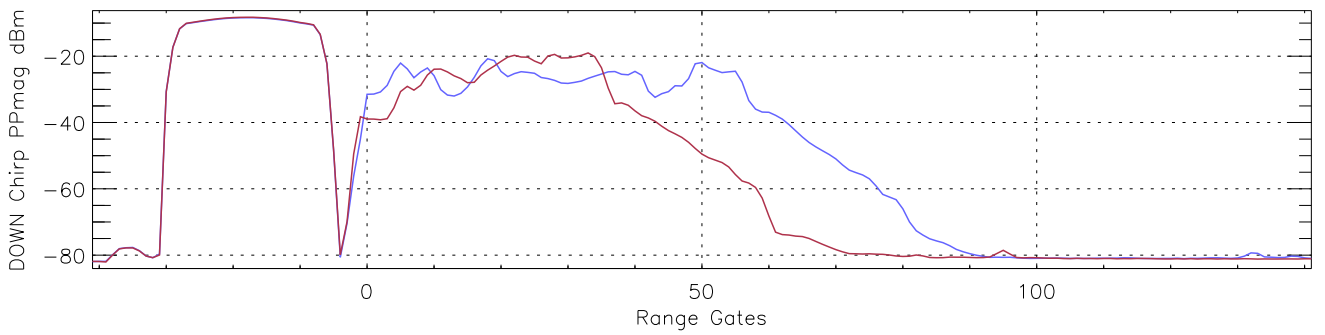
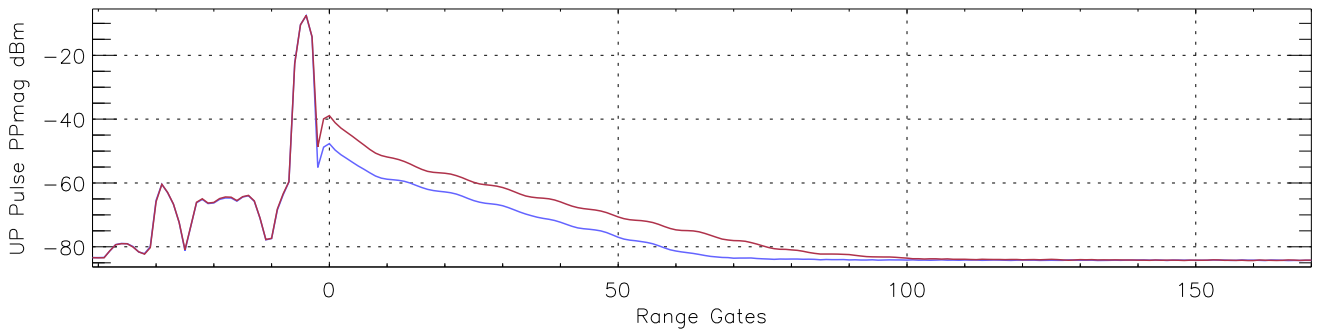
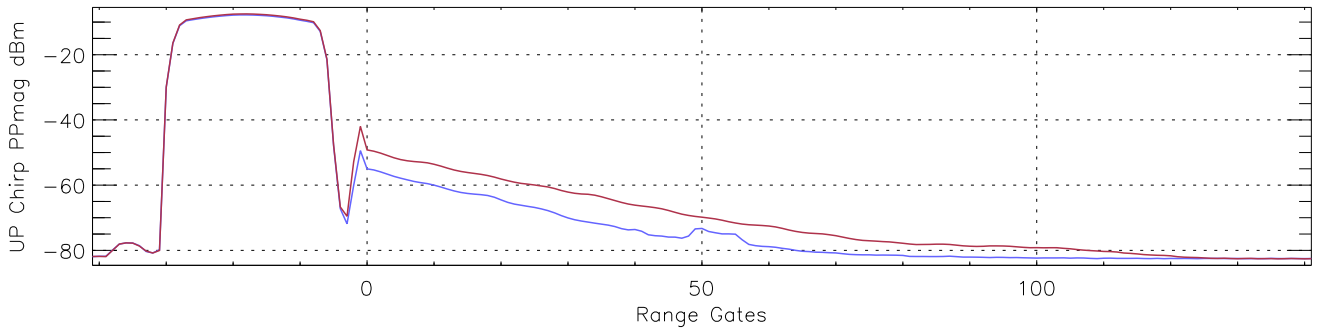
	Min	Max	Mean	Median	StDev
UP_C_RG136_2	-106.53	-77.29	-82.57	-82.83	-85.38
UP_P_RM_11	-103.96	-78.81	-84.18	-84.50	-87.00
DOWN_C_RM_8	-99.02	-74.52	-81.05	-81.30	-83.85
DOWN_P_RM_15	-101.15	-77.08	-82.55	-82.85	-85.36



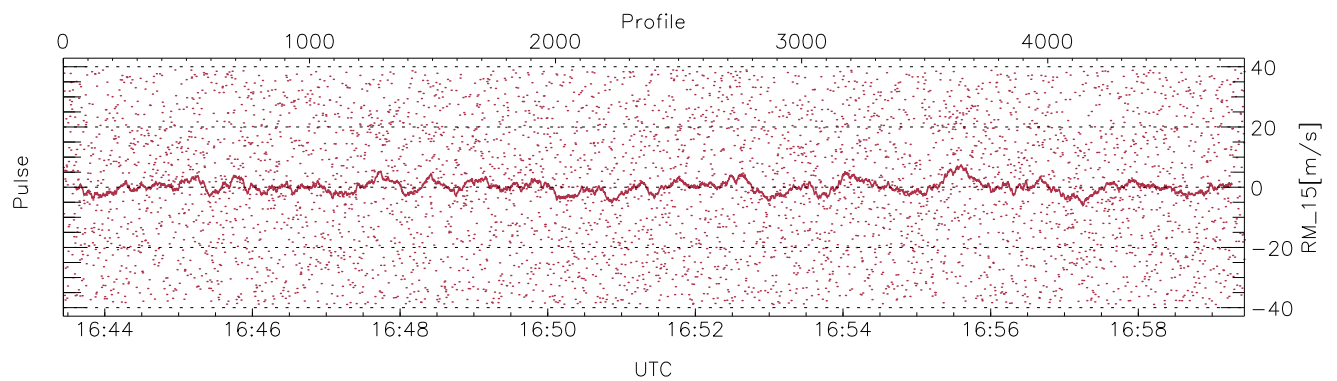
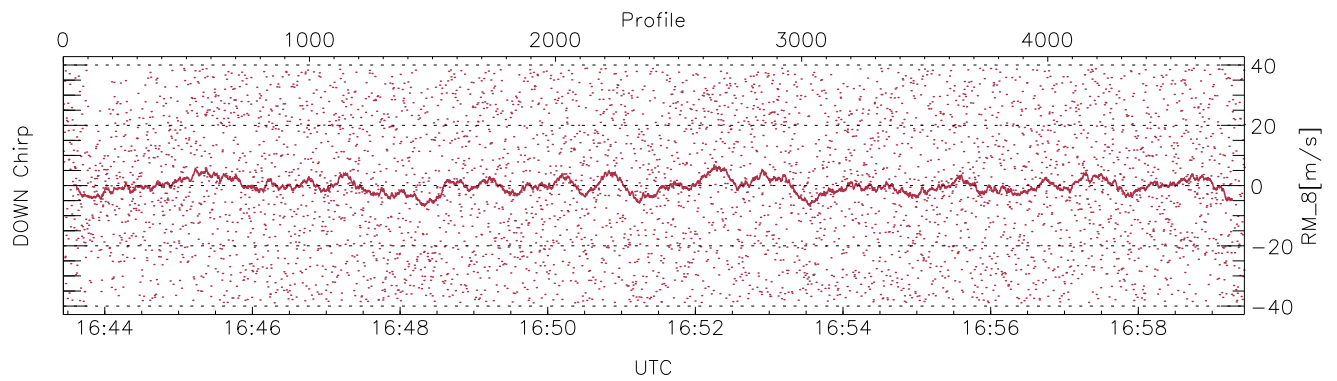
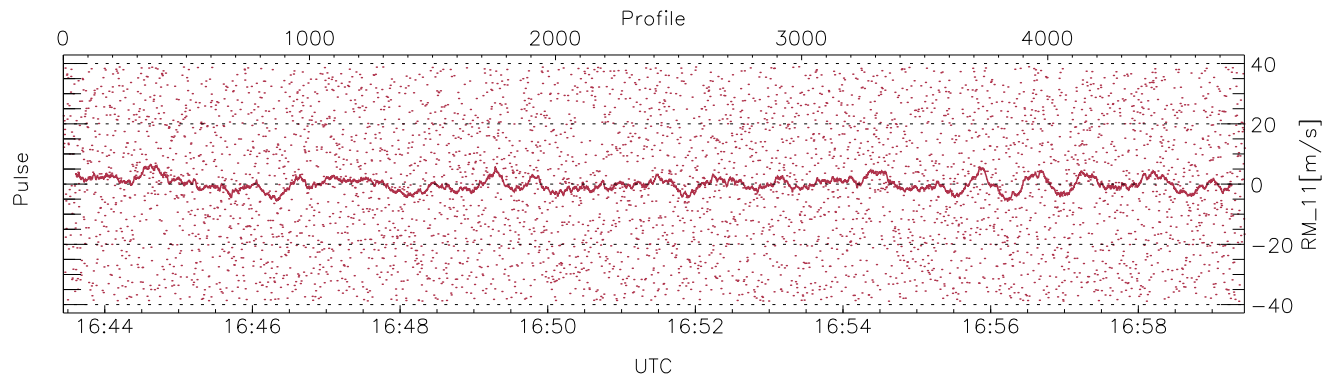
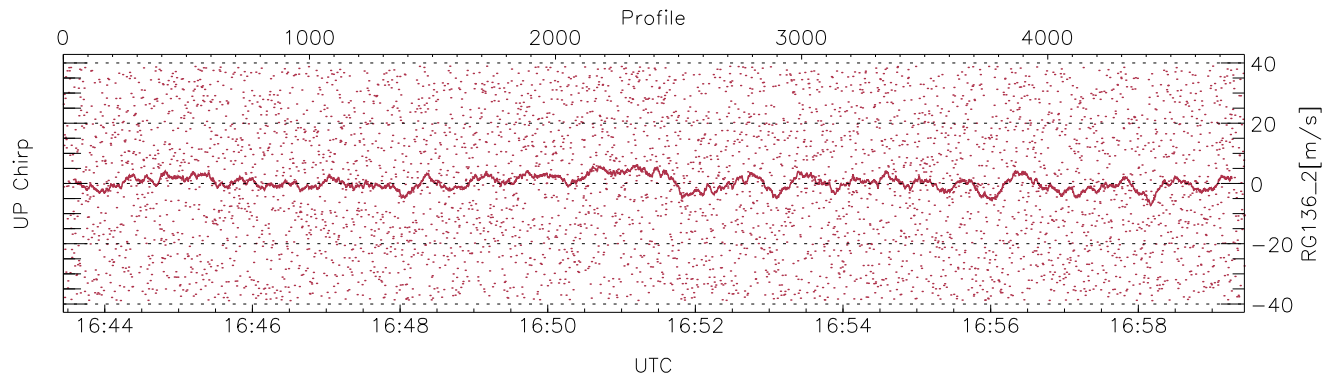
KPR SPP Averaged Received power for all recorded gates
blue: 164326-165126, 2401 profiles averaged
red: 165126-165926, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 164326-165126, 2401 profiles averaged
red: 165126-165926, 2400 profiles averaged

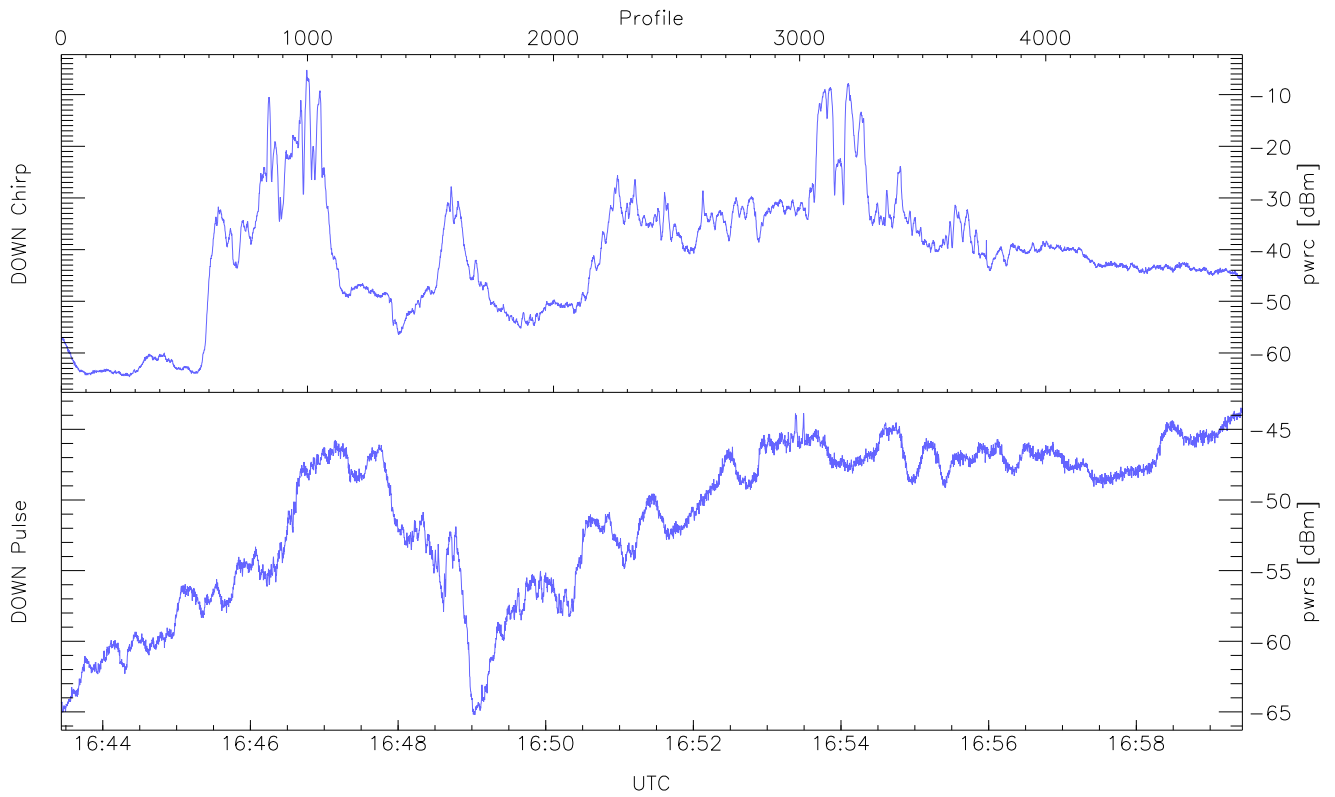
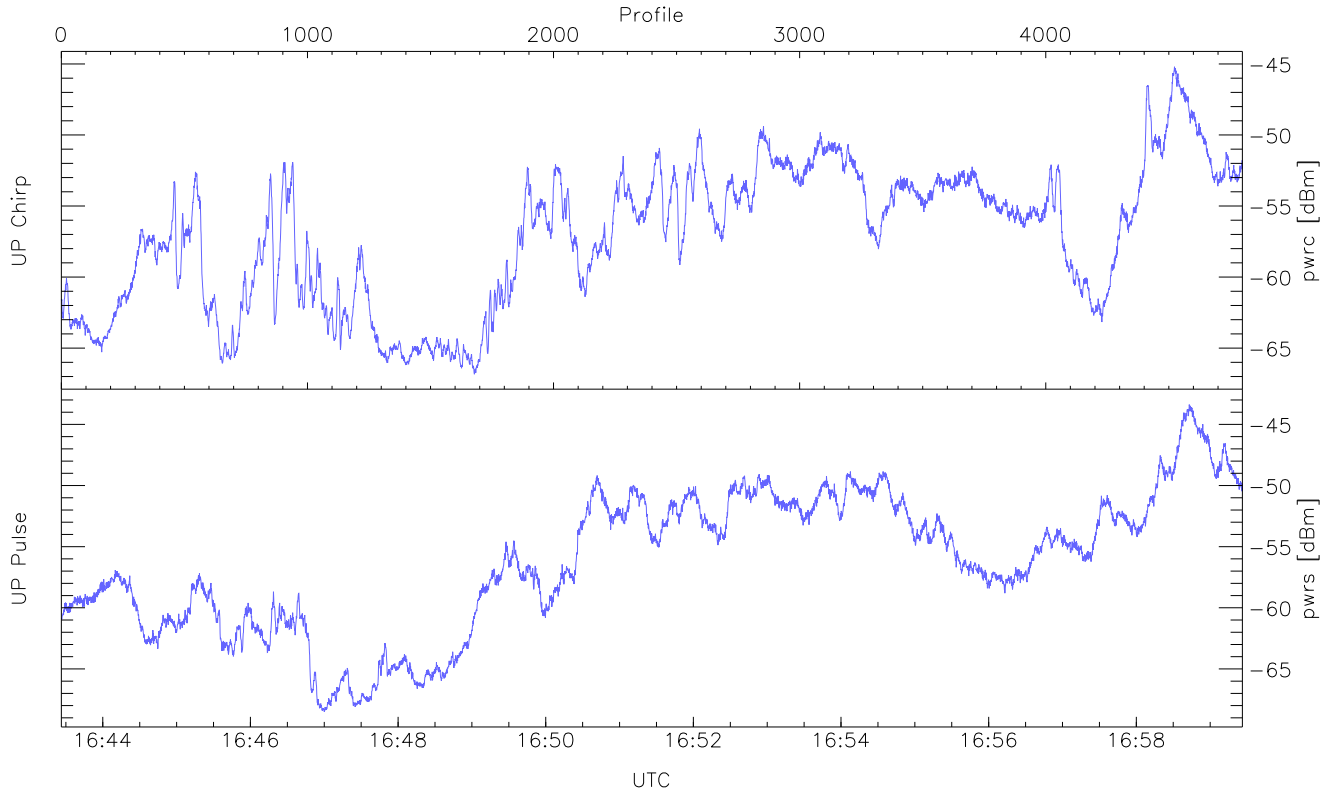


KPR SPP Averaged PP magnitude for all recorded gates
blue: 164326-165126, 2401 profiles averaged
red: 165126-165926, 2400 profiles averaged



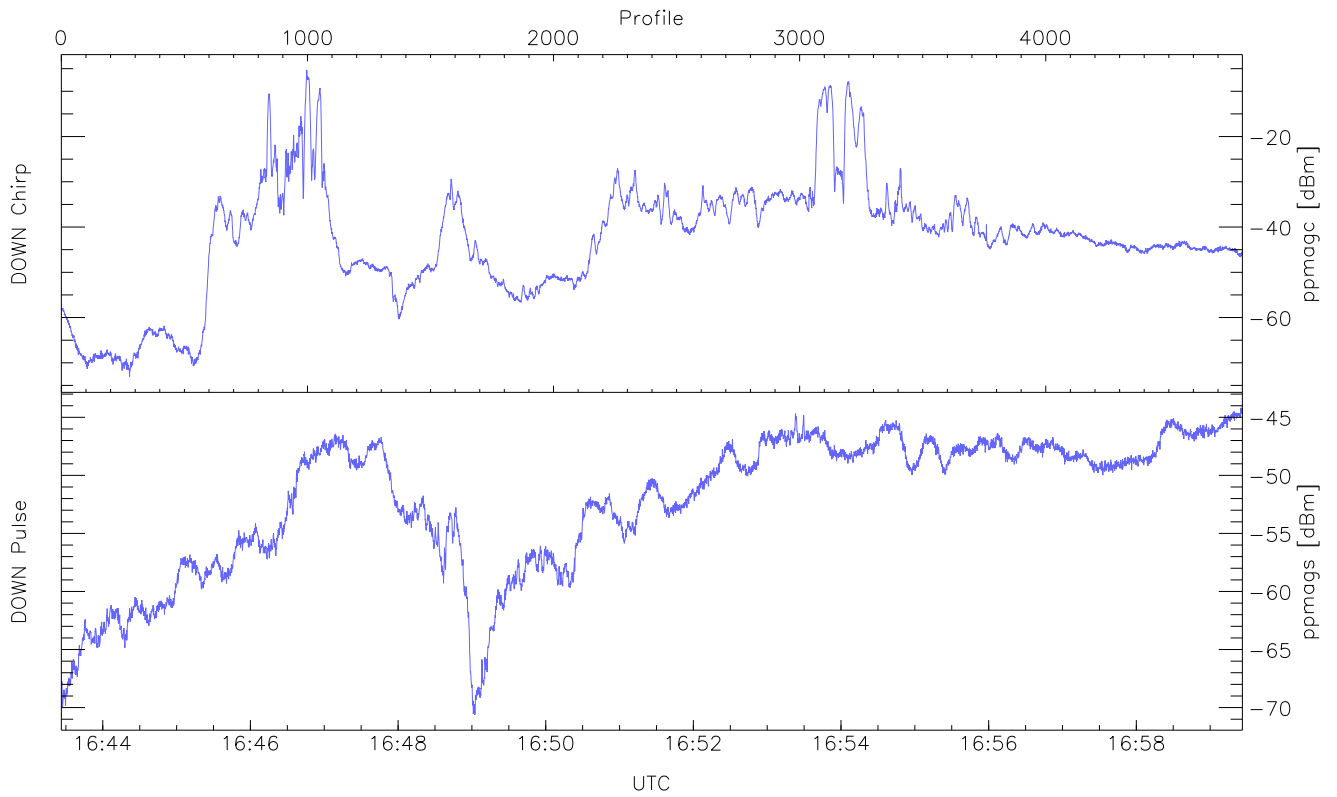
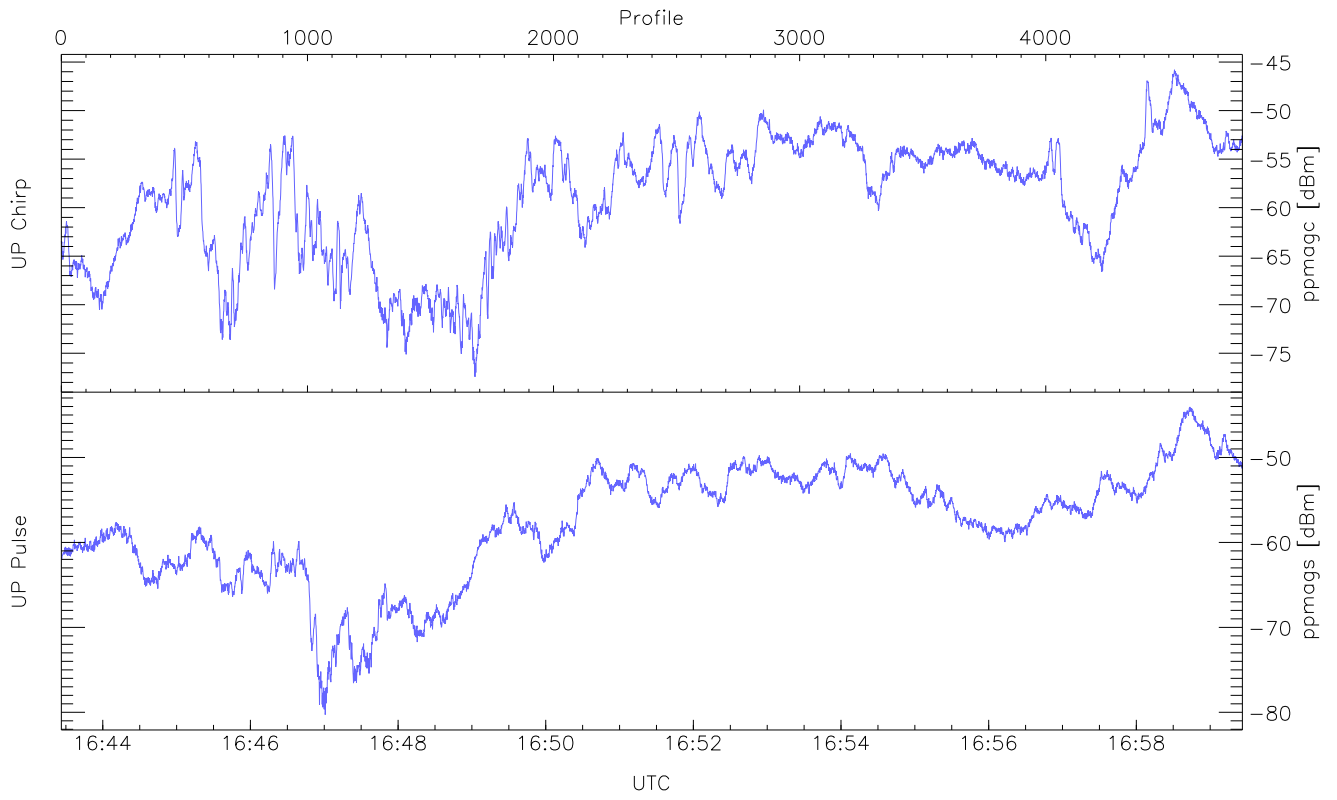
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG136_2	-38.89	38.94	0.16	0.62	22.64
UP_P_RM_11	-38.88	38.94	-0.02	0.37	22.18
DOWN_C_RM_8	-38.93	38.90	-0.27	-0.64	22.18
DOWN_P_RM_15	-38.93	38.94	-0.00	0.47	22.37



KPR SPP Received Power for Chirp Range gate 10 (1585.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (533.8 m)

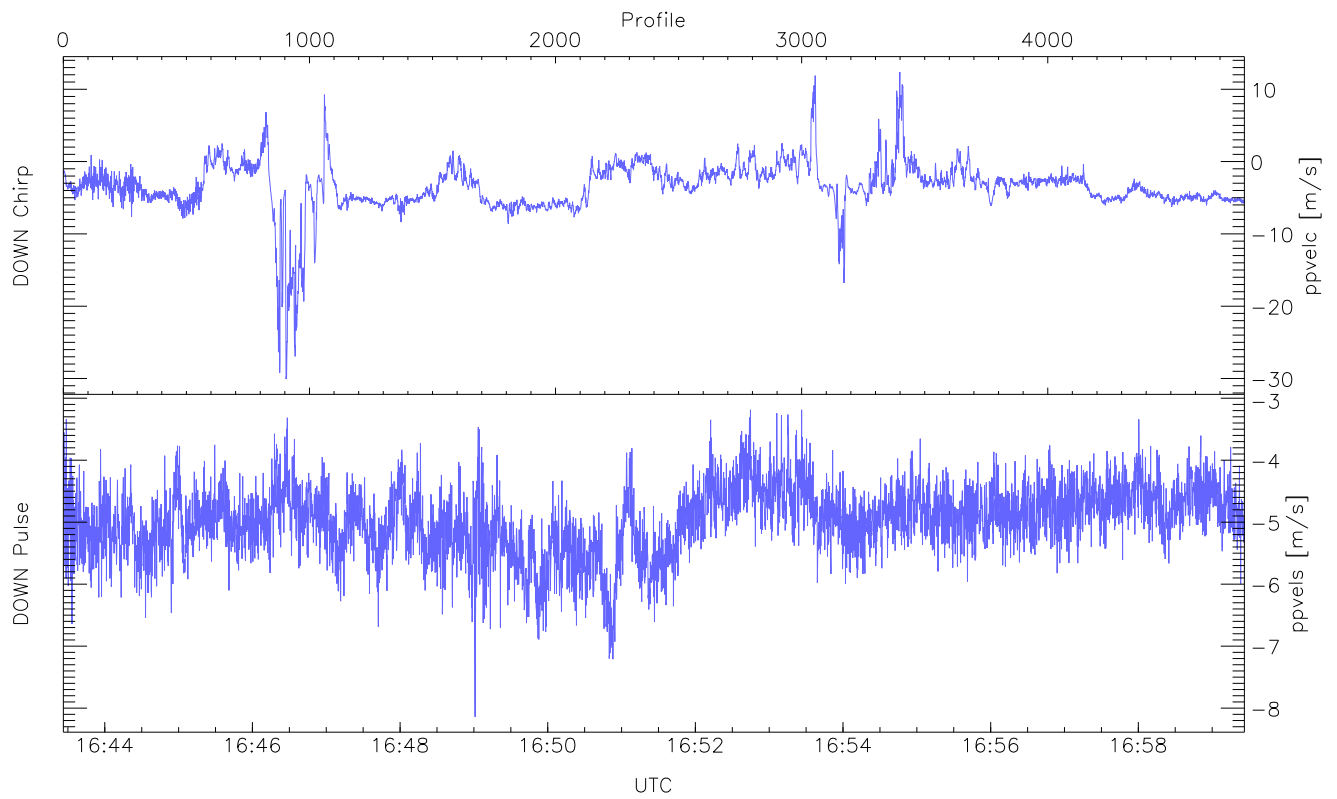
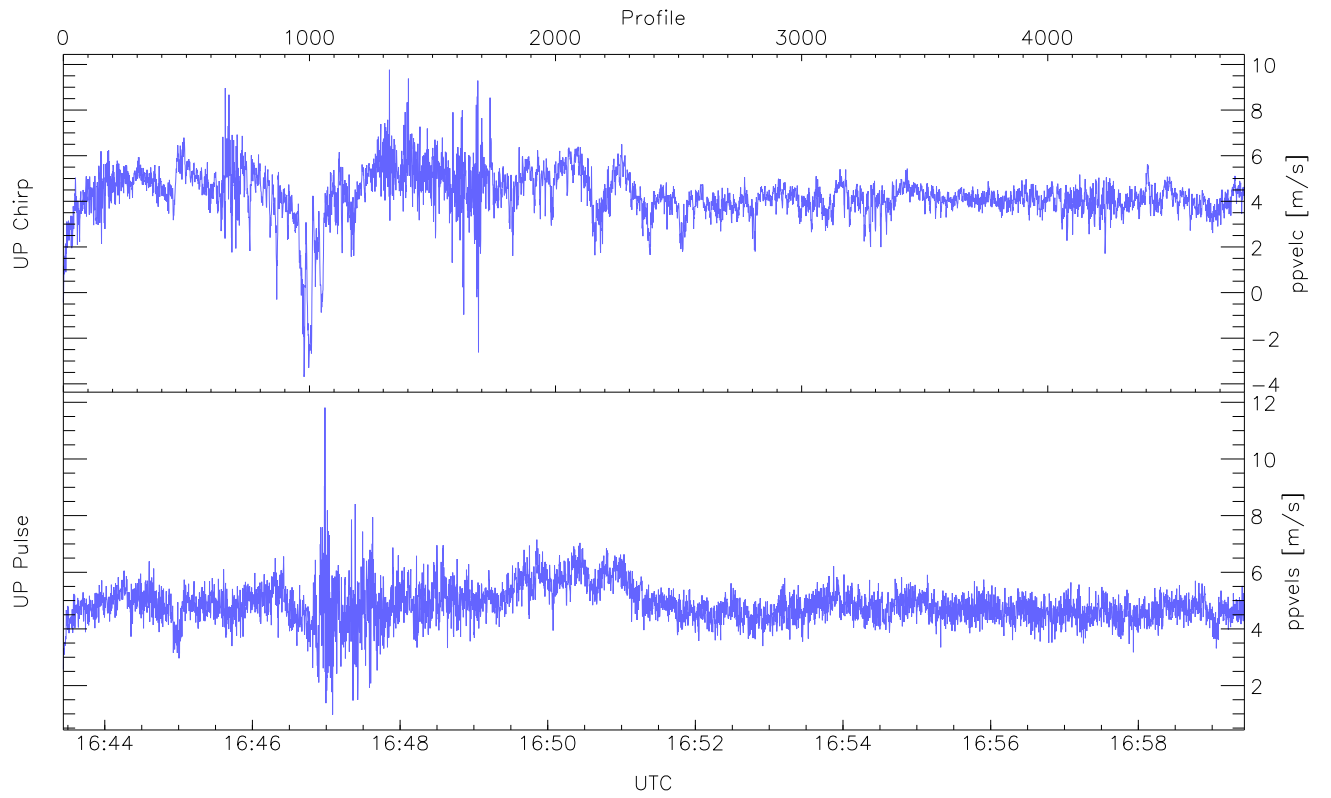
	Min	Max	Mean
UP Chirp(dBm)	-66.81	-45.20	-54.74
UP Pulse(dBm)	-68.49	-43.37	-53.21
DOWN Chirp(dBm)	-64.66	-5.23	-24.37
DOWN Pulse(dBm)	-65.20	-43.47	-48.87



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

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

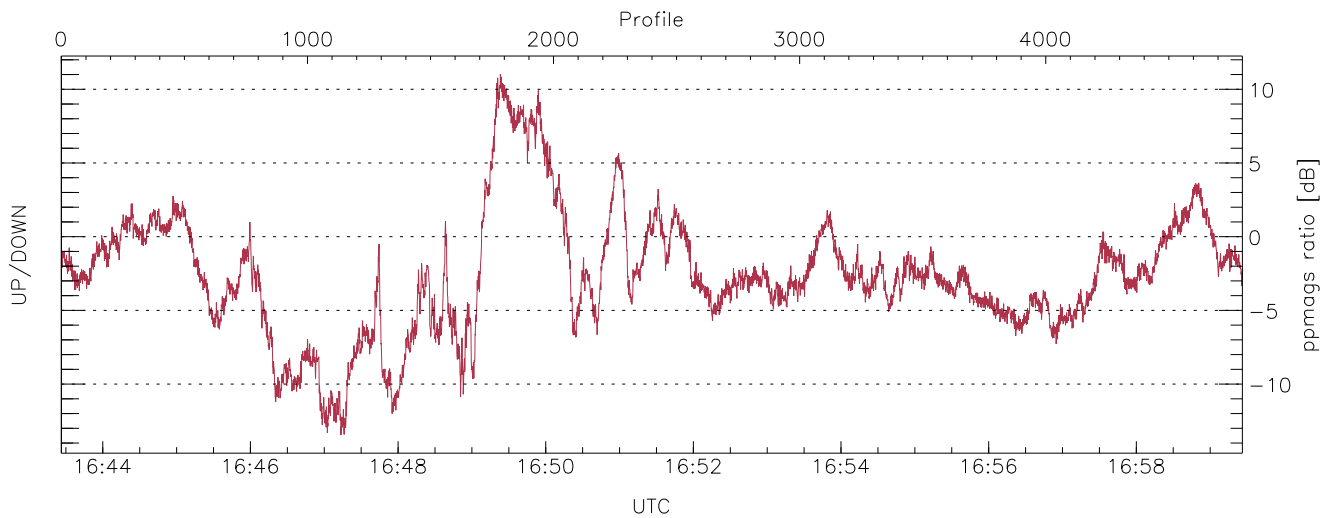
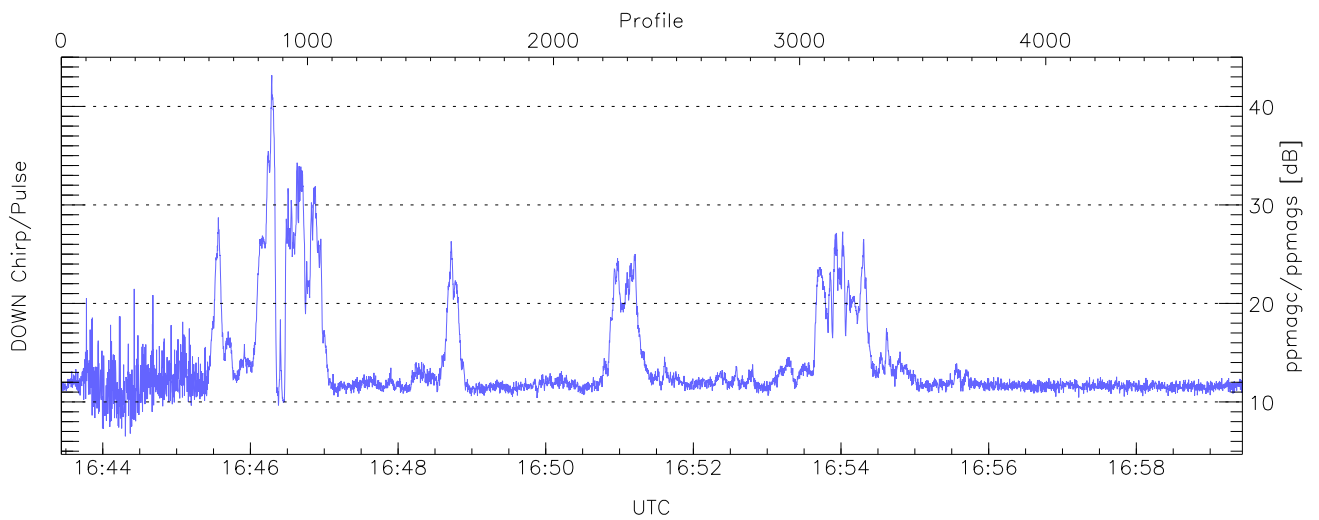
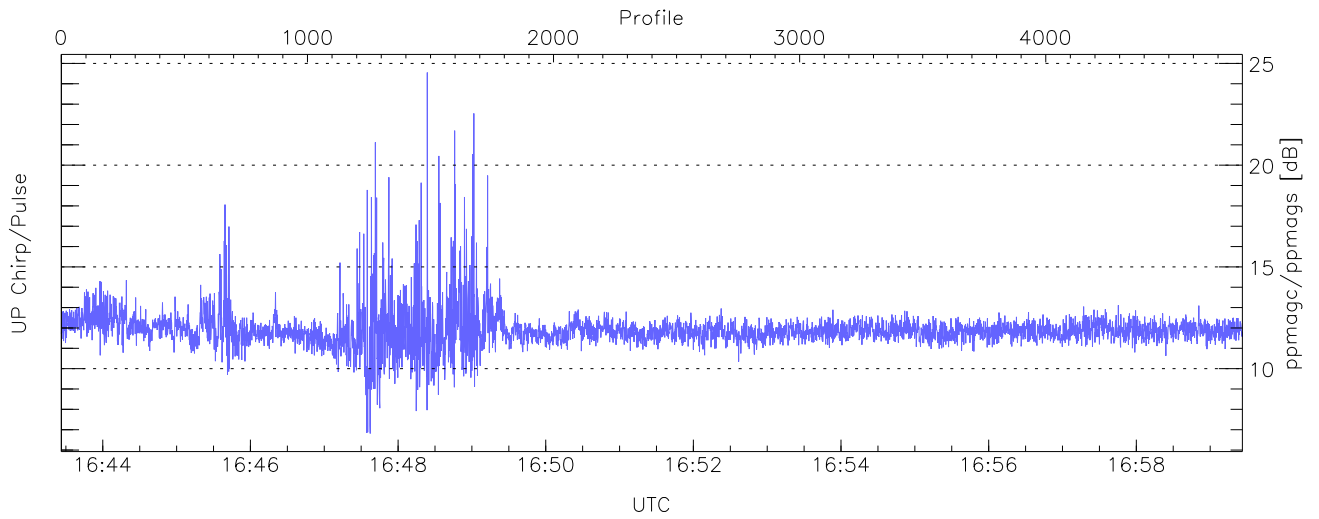
	Min	Max	Mean
UP Chirp(dBm)	-77.43	-45.80	-55.71
UP Pulse(dBm)	-80.27	-44.12	-54.07
DOWN Chirp(dBm)	-73.14	-5.29	-24.78
DOWN Pulse(dBm)	-70.62	-44.17	-49.65



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)	-3.69	9.77	4.25
UP Pulse(m/s)	0.97	11.82	4.85
DOWN Chirp(m/s)	-30.07	12.39	-3.48
DOWN Pulse(m/s)	-8.14	-3.19	-4.98



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	6.81	24.56	12.03
DOWN Chirp/Pulse(dBm)	6.51	43.16	19.93
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-13.46	11.03	-0.31