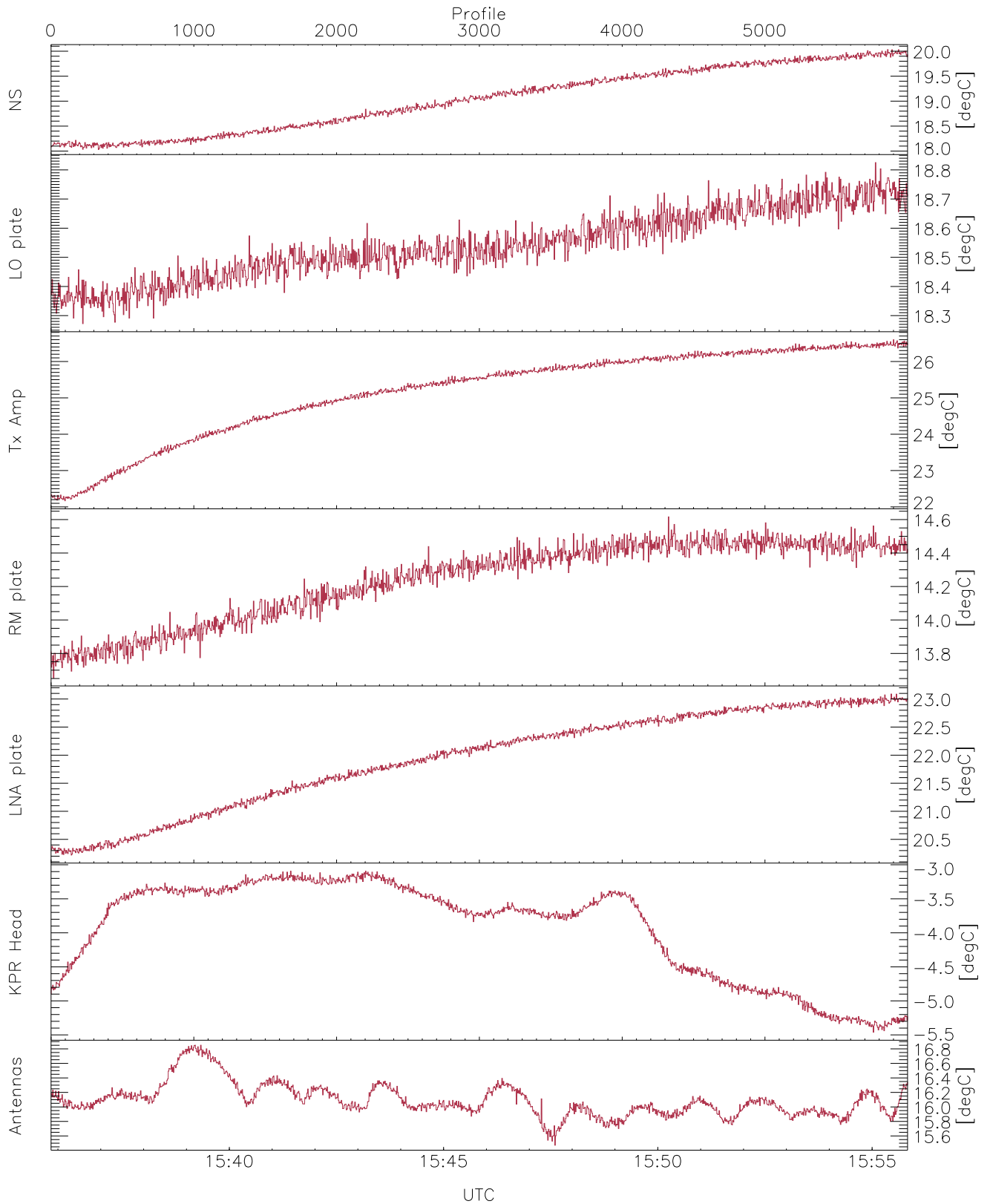


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 15:35:50-16:03:31, TimeCor: 0.00s, Dur: 1199.32s
 TimeInt(min,max,mn,std): 196.6,203.2,199.9,0.1 ms; PPS: 5.0
 NumRec(r/t): 6000/8305, 0-5999/15:35:50-15:55:50
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 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

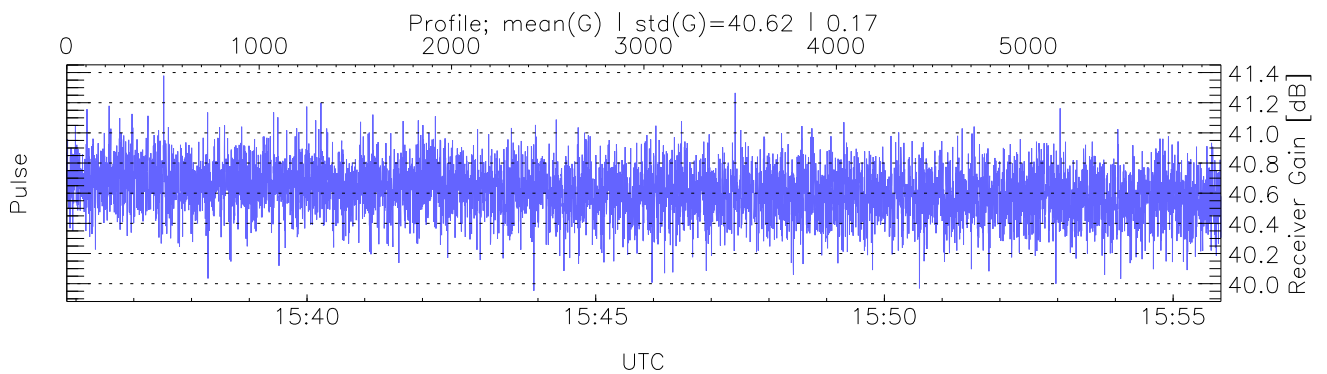
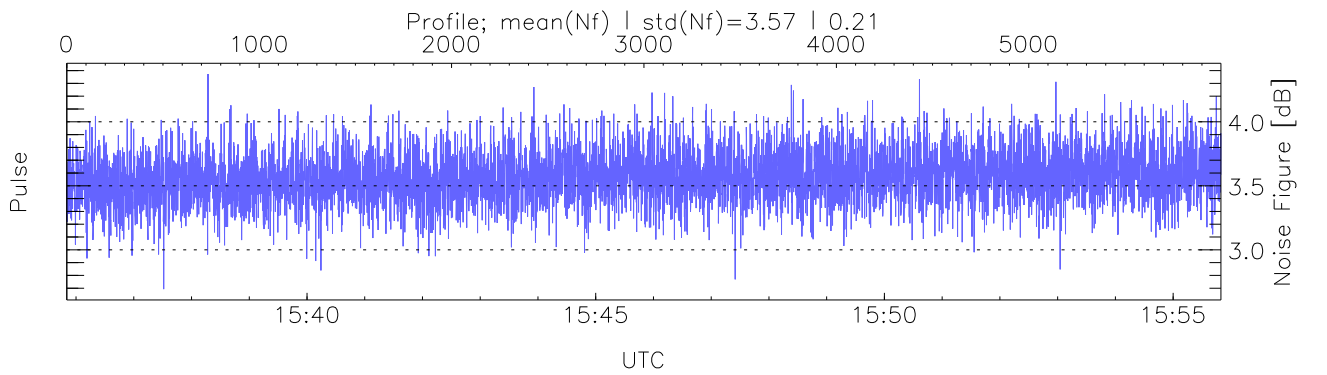
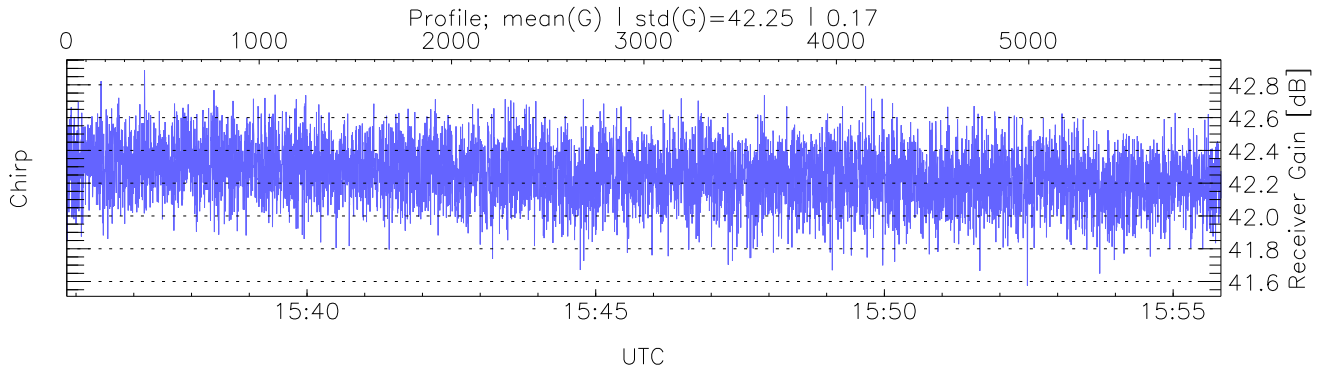
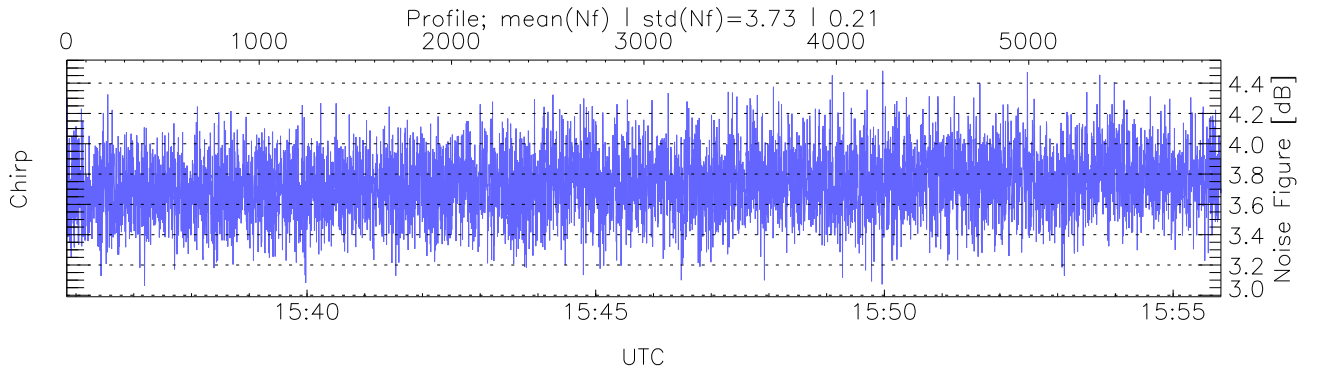


KPR SPP Temperatures, Power Supplies, PLO lock:

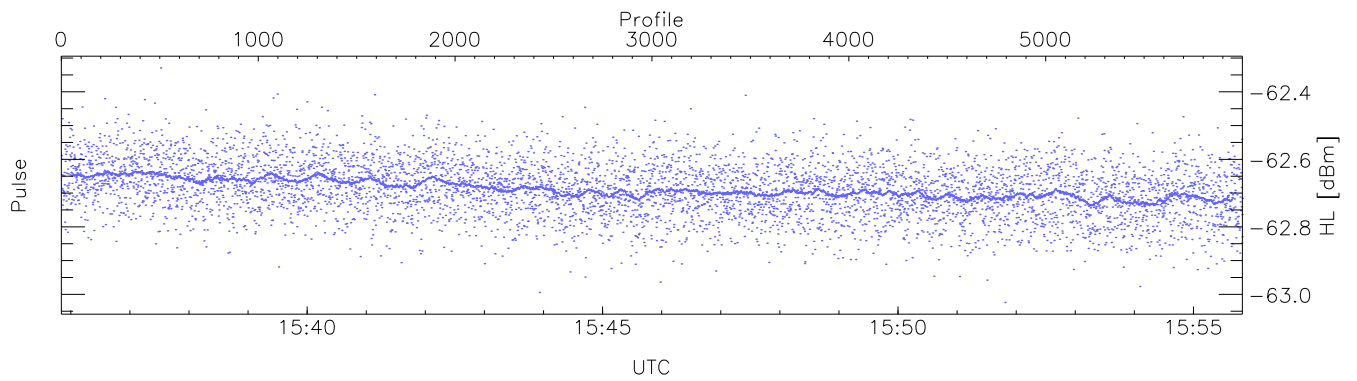
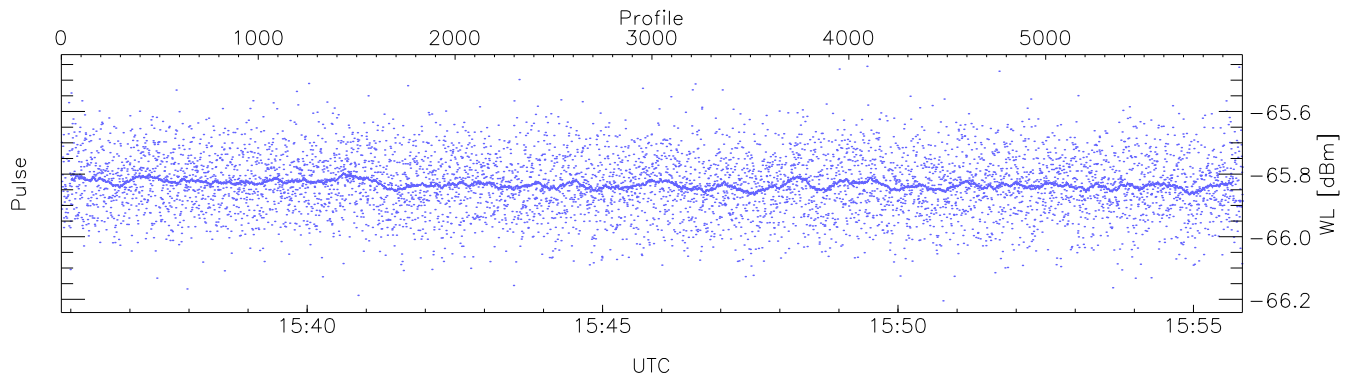
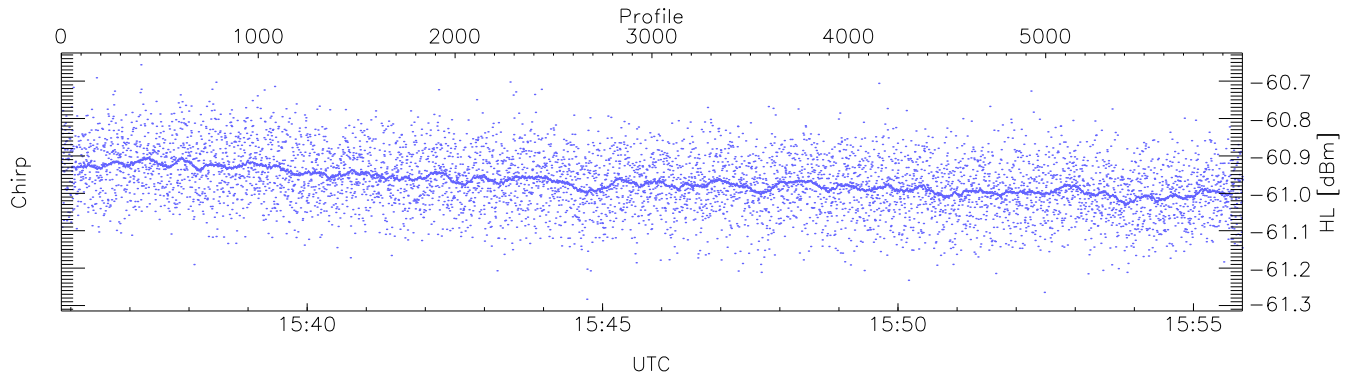
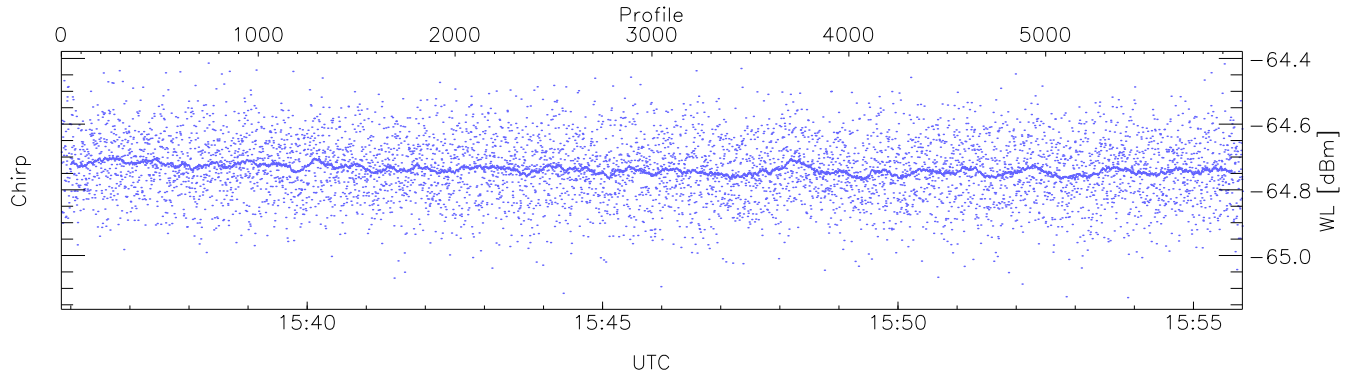
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	18.0,	18.3,	22.2,	13.7,	20.2,	-5.5,	15.5
maxtempC:	20.0,	18.8,	26.6,	14.6,	23.1,	-3.1,	16.9
meantempC:	19.0,	18.5,	25.2,	14.2,	21.9,	-3.9,	16.1

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.44,	11.66,	7.87,	5.21
maxVDC:	27.77,	11.73,	7.90,	5.23
meanVDC:	26.84,	11.69,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

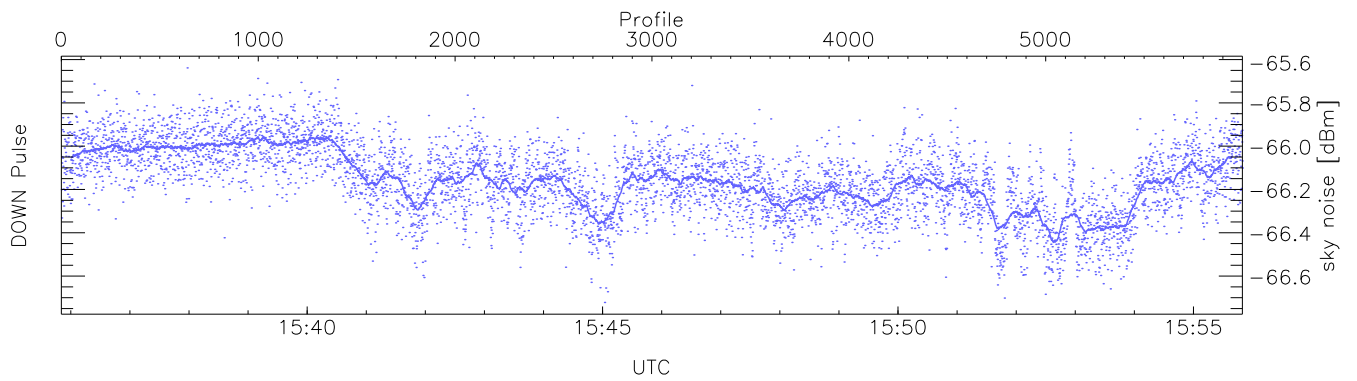
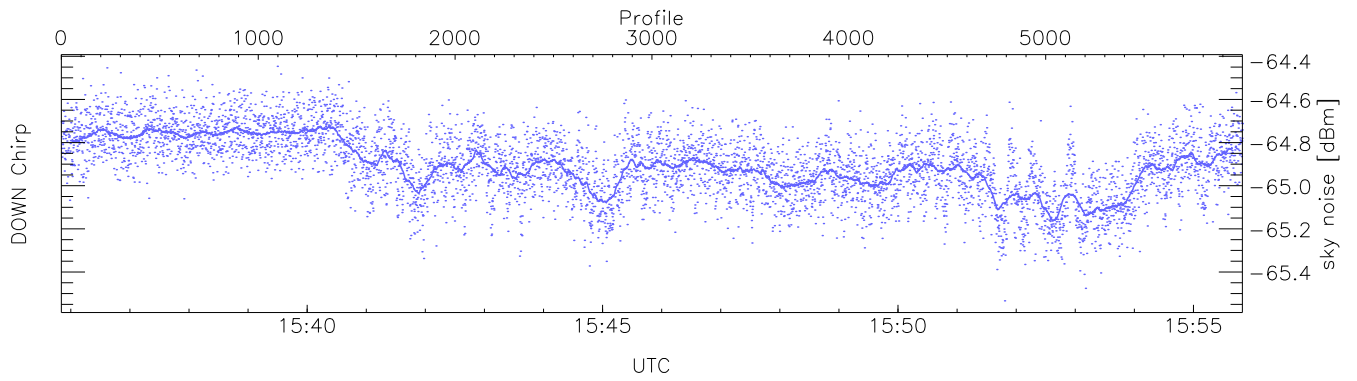
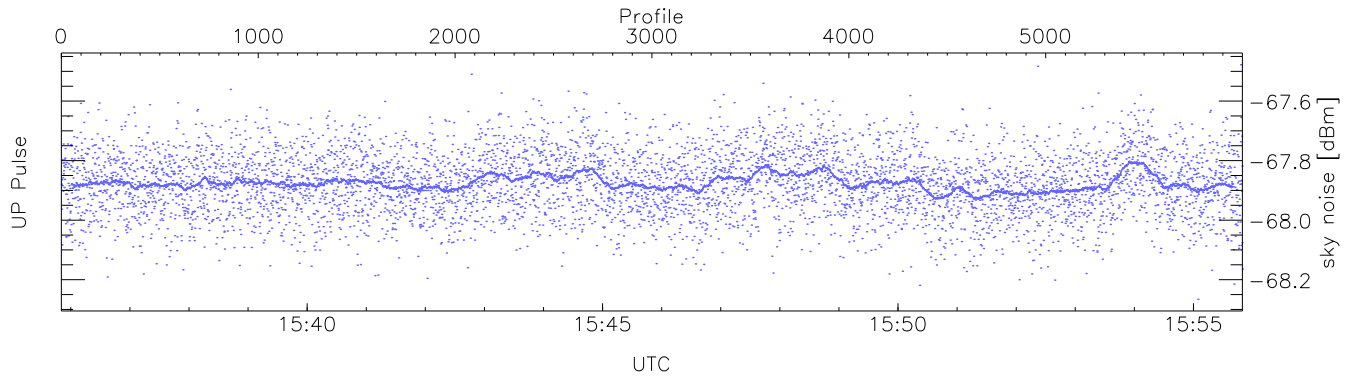
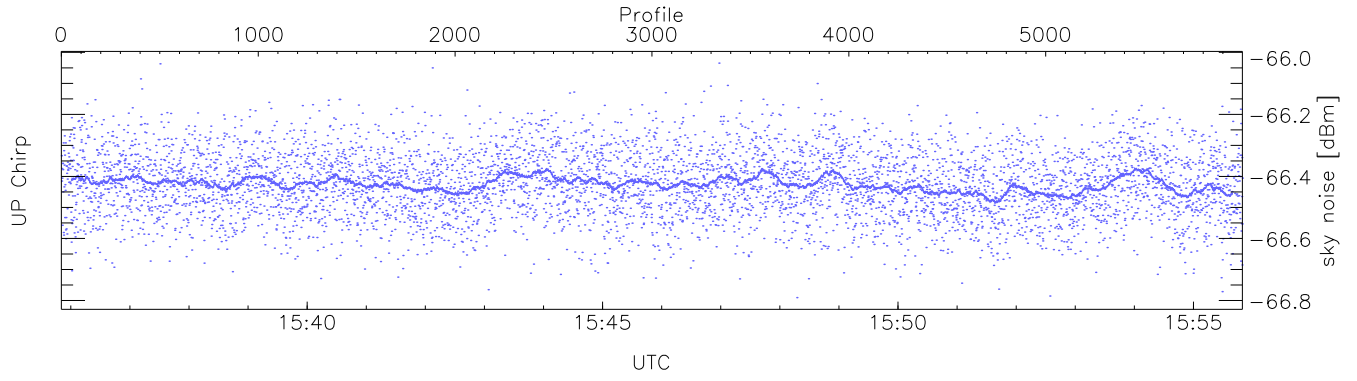


KPR SPP Receiver Gain and Noise Figure



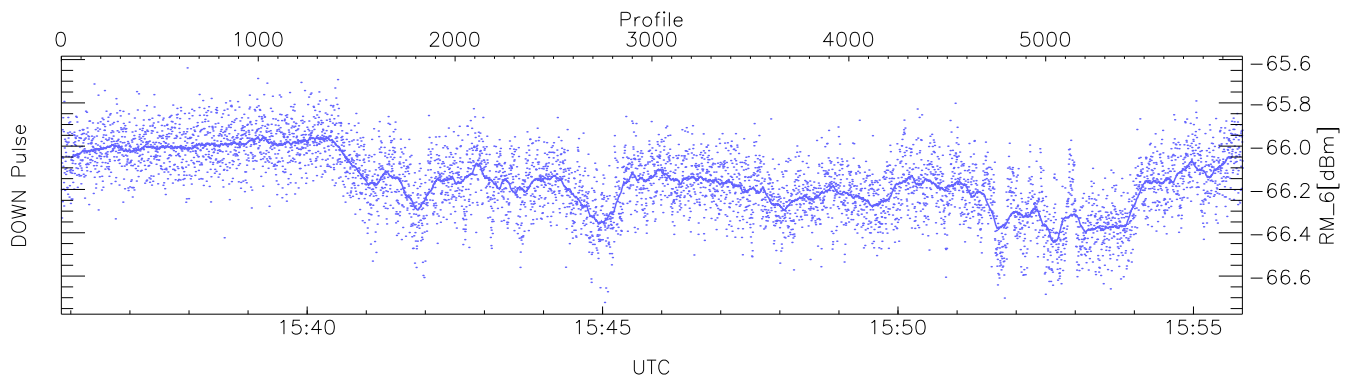
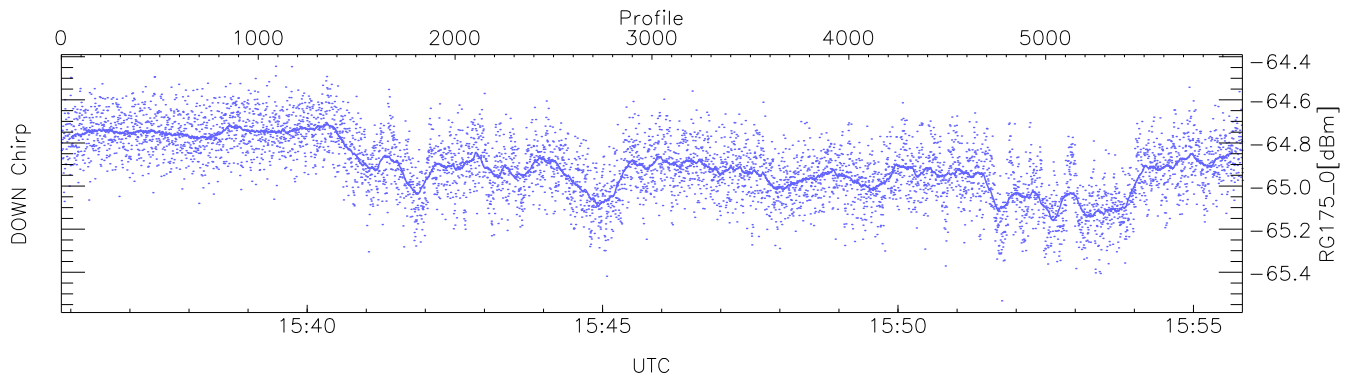
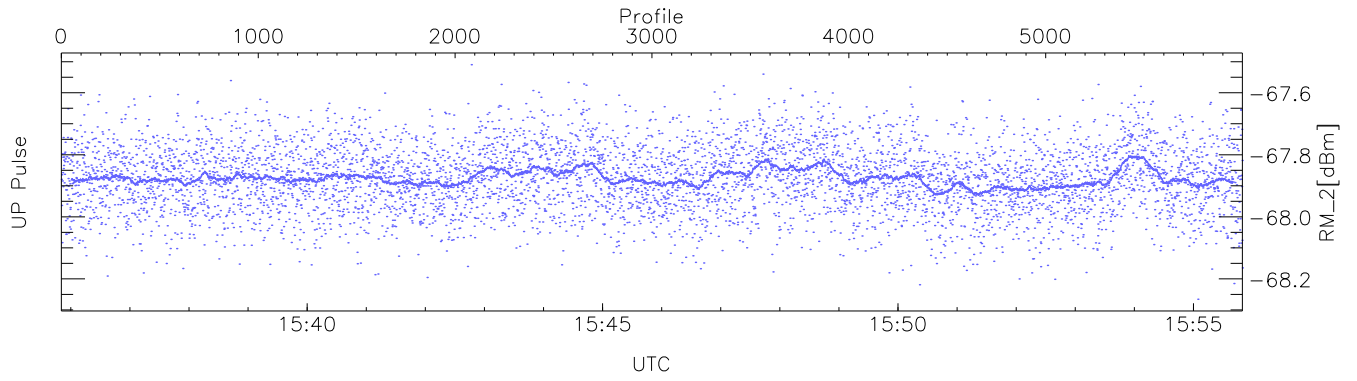
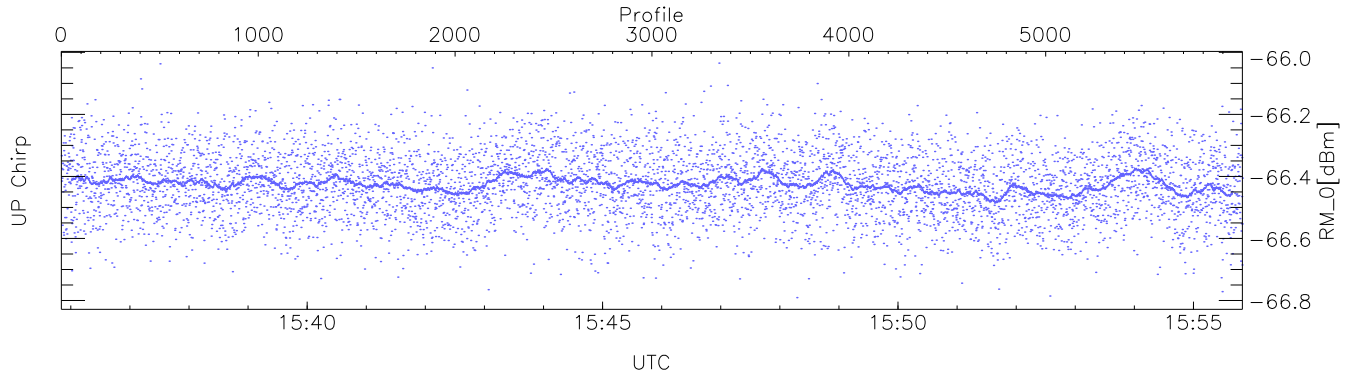
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.13	-64.41	-64.74	-64.74	-81.09
Chirp(HL [dBm])	-61.28	-60.66	-60.97	-60.97	-78.20
Pulse(WL [dBm])	-66.20	-65.46	-65.83	-65.83	-82.20
Pulse(HL [dBm])	-63.02	-62.33	-62.69	-62.69	-80.00



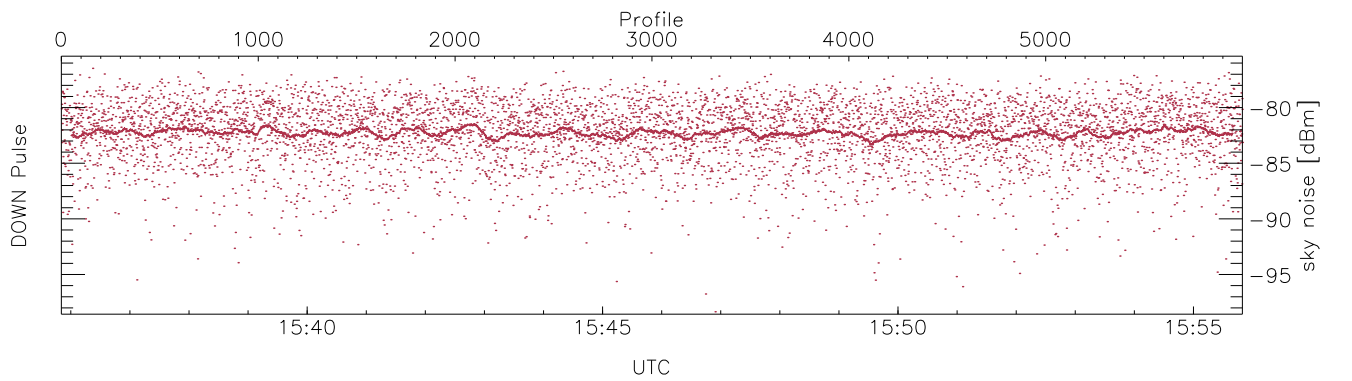
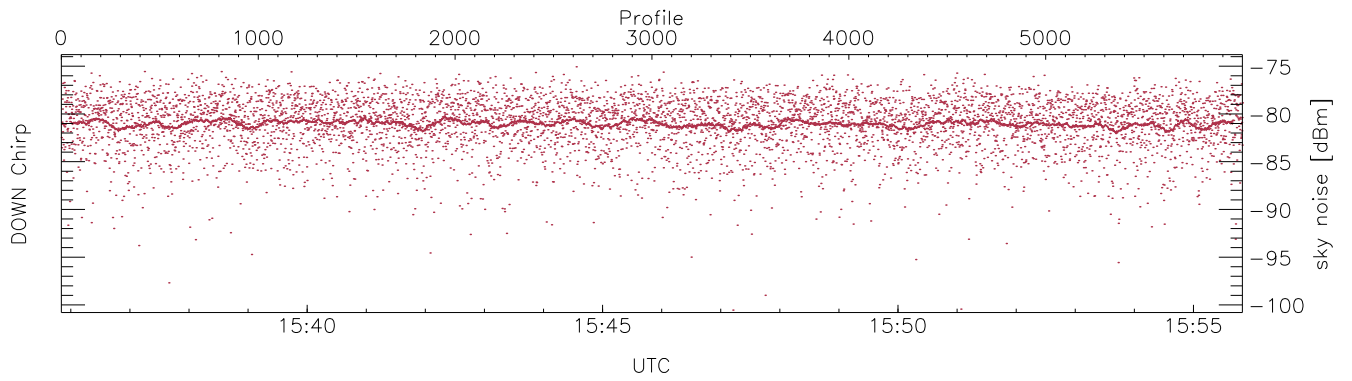
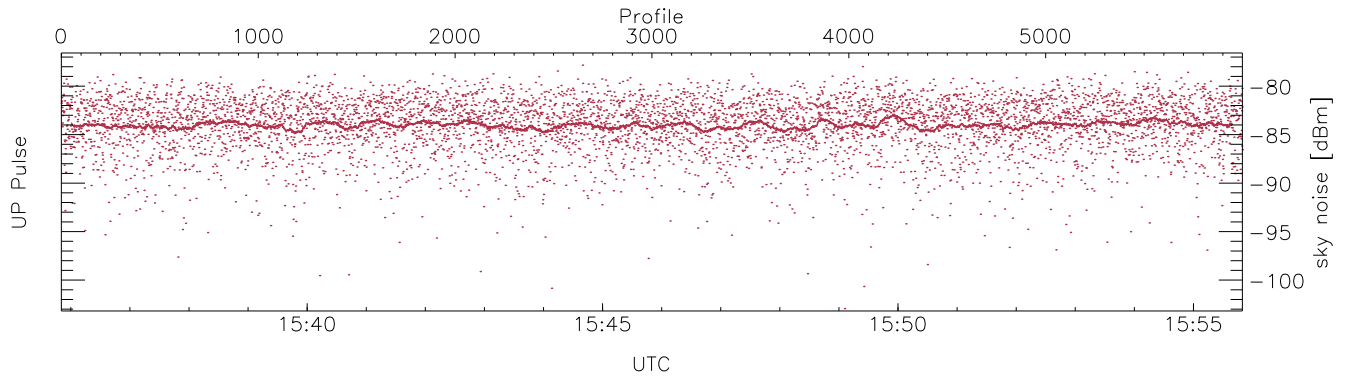
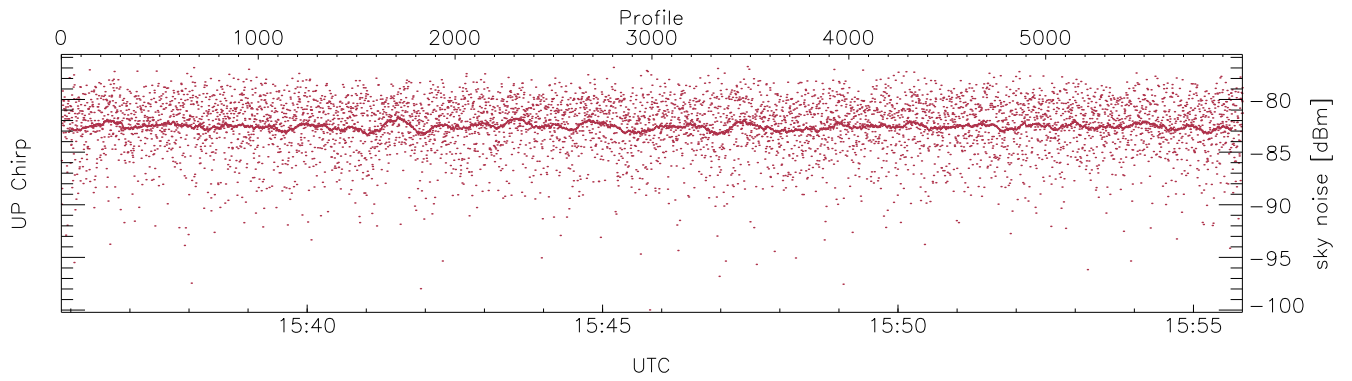
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.79	-66.03	-66.42	-66.43	-82.66
UP Pulse(dBm)	-68.27	-67.48	-67.88	-67.88	-84.09
DOWN Chirp(dBm)	-65.53	-64.45	-64.90	-64.90	-79.39
DOWN Pulse(dBm)	-66.72	-65.64	-66.16	-66.15	-80.40



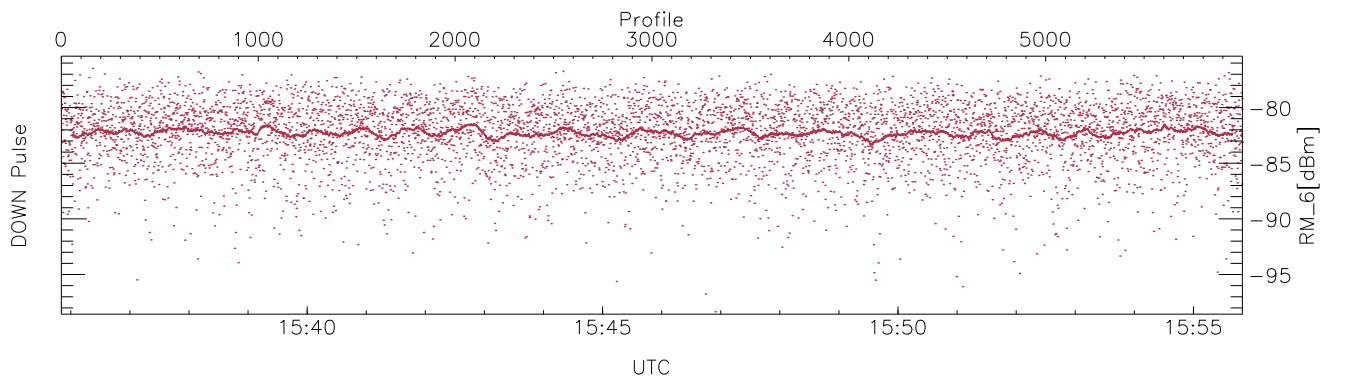
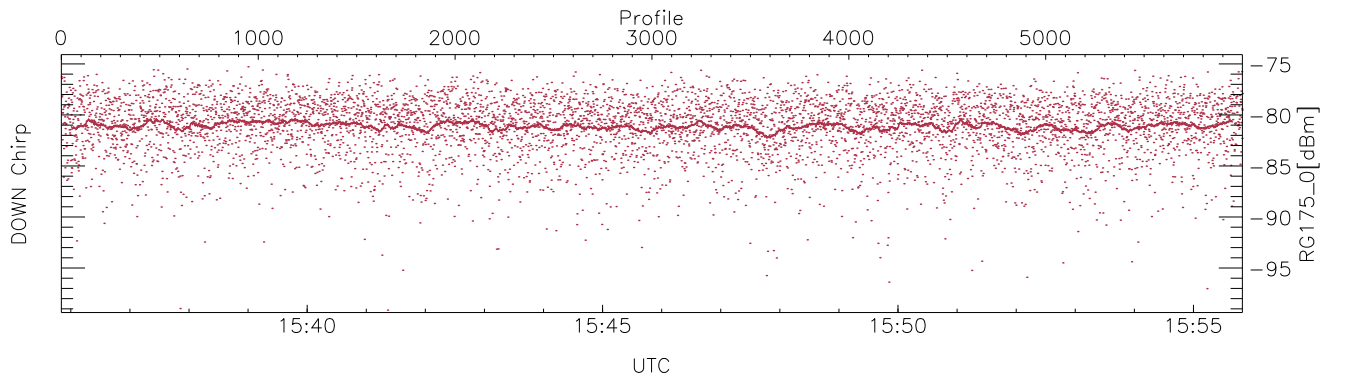
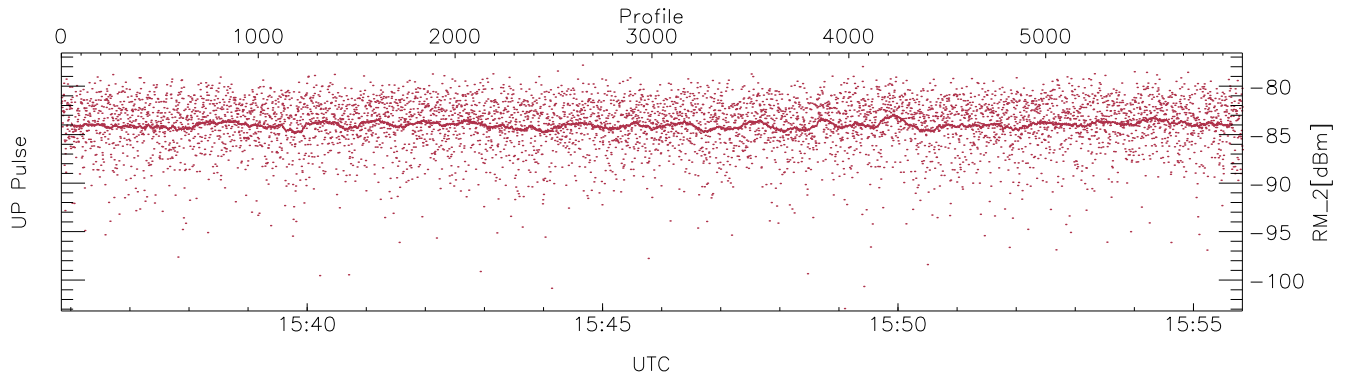
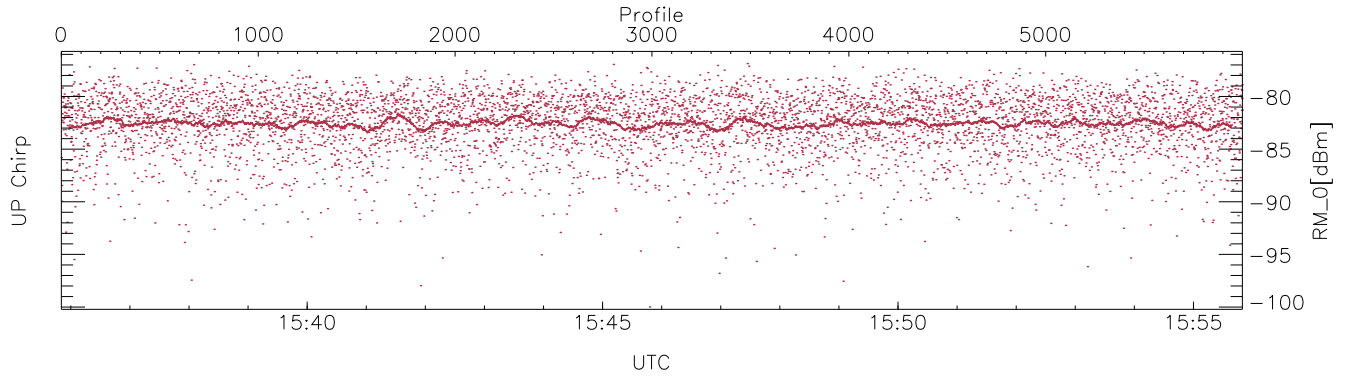
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-66.79	-66.03	-66.42	-66.43	-82.66
UP_P_RM_2	-68.27	-67.51	-67.88	-67.88	-84.10
DOWN_C_RG175_0	-65.53	-64.44	-64.90	-64.90	-79.34
DOWN_P_RM_6	-66.72	-65.64	-66.16	-66.15	-80.41



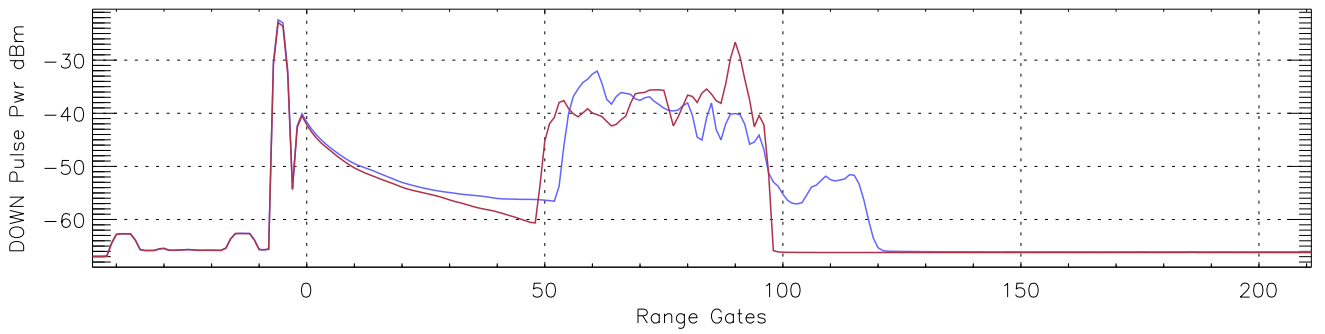
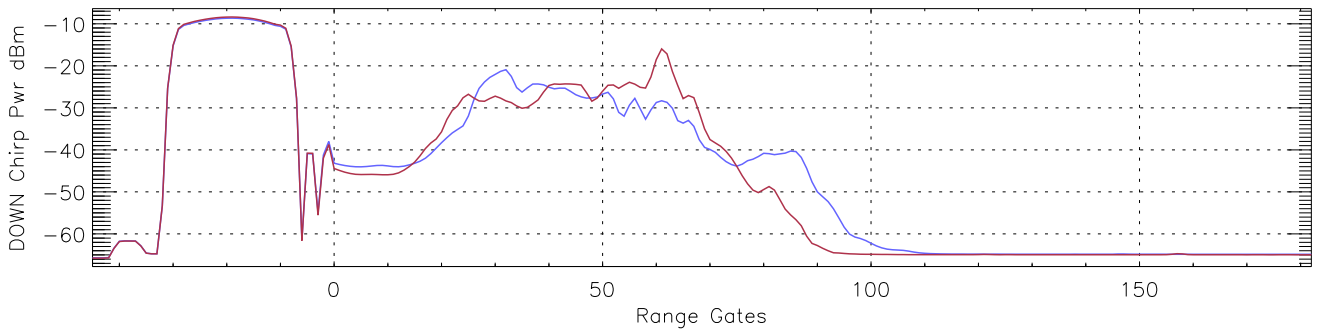
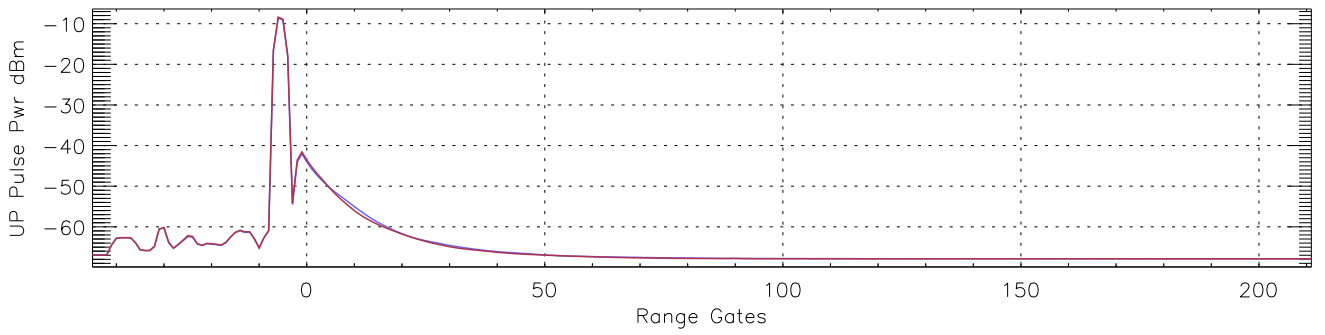
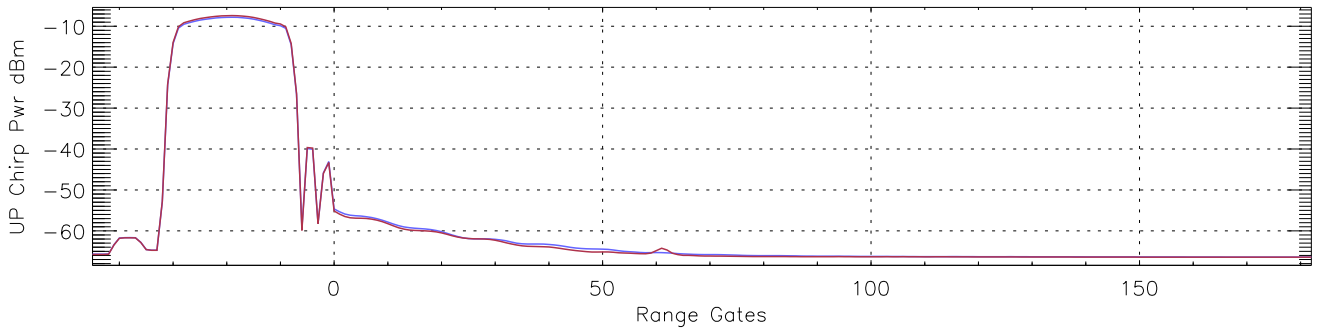
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.99	-76.87	-81.86	-82.10	-84.67
UP Pulse(dBm)	-102.93	-77.84	-83.29	-83.54	-86.09
DOWN Chirp(dBm)	-100.54	-75.06	-80.33	-80.60	-83.16
DOWN Pulse(dBm)	-98.35	-76.47	-81.56	-81.85	-84.32

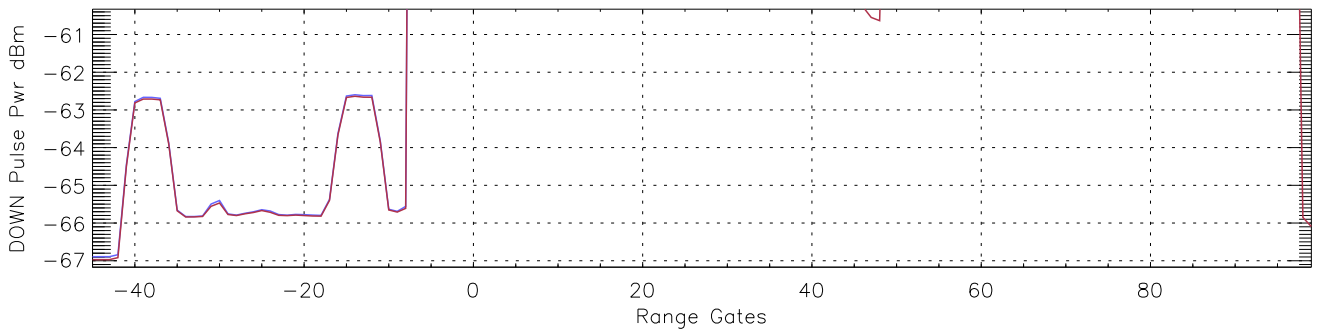
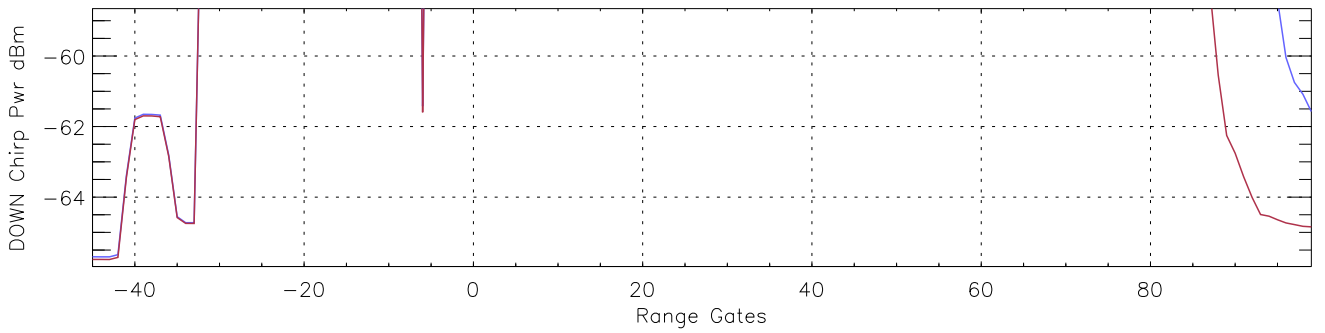
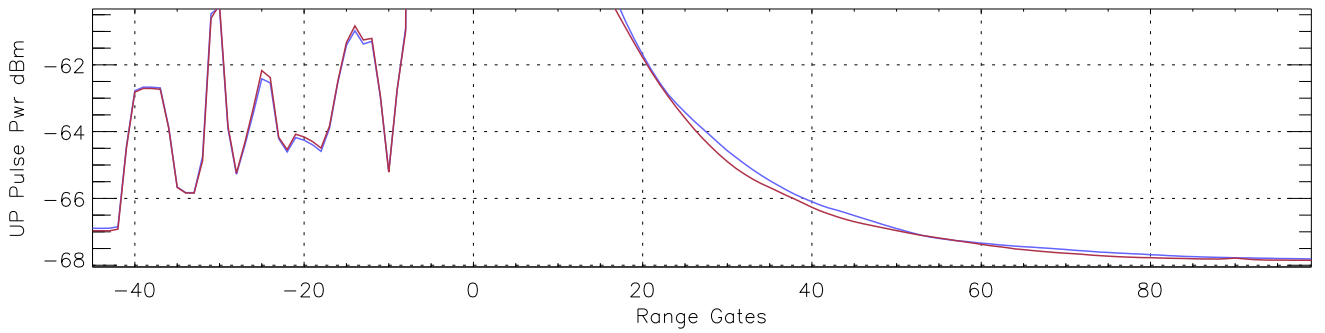
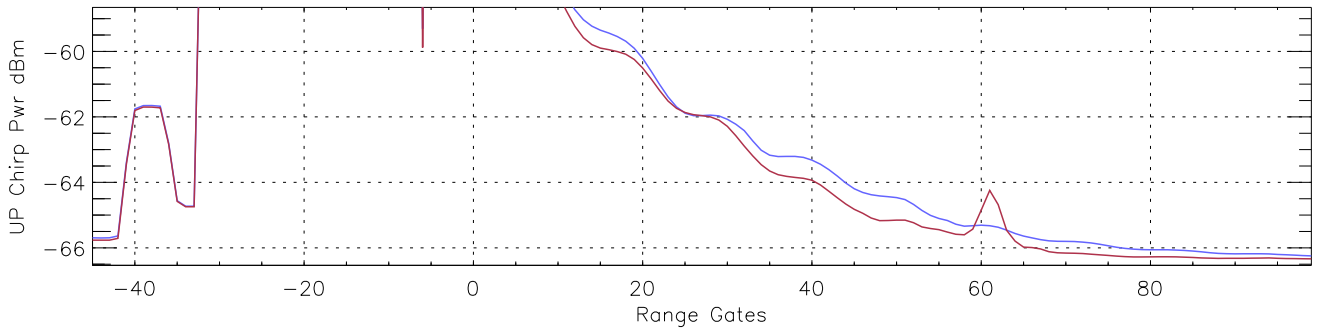


KPR SPP "Best" PPMAG noise (dBm):

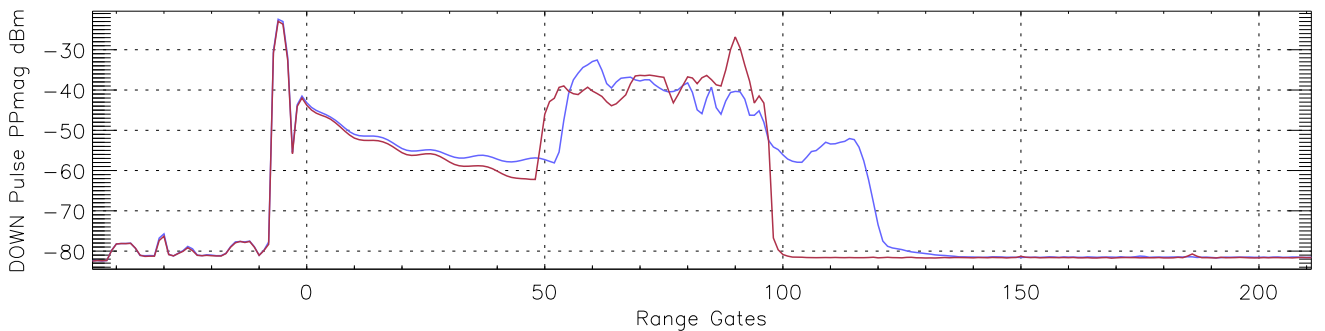
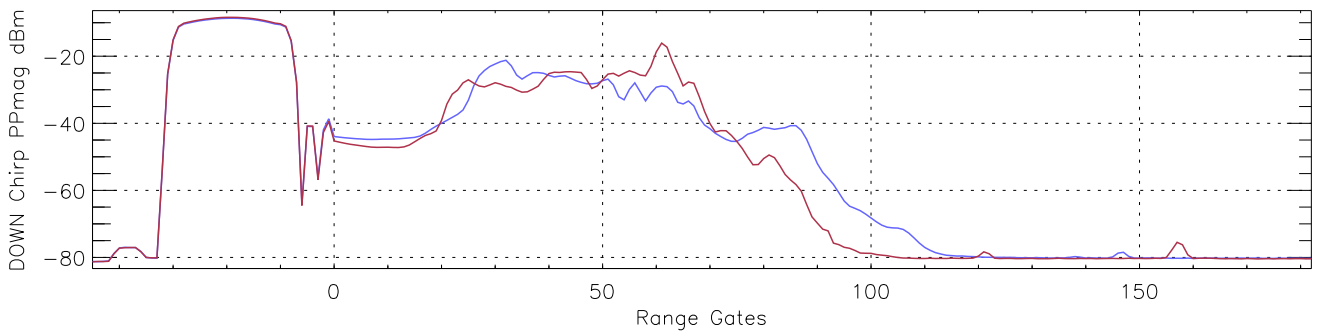
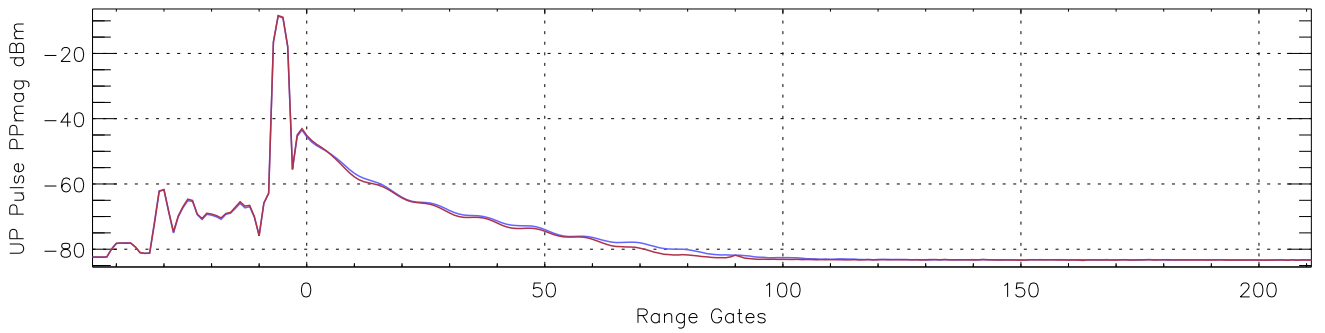
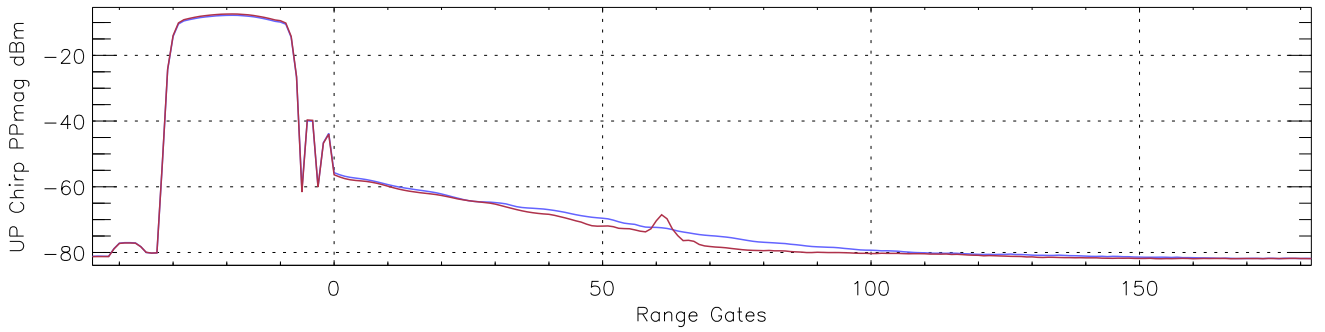
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-99.99	-76.87	-81.86	-82.10	-84.67
UP_P_RM_2	-102.93	-77.84	-83.29	-83.54	-86.09
DOWN_C_RG175_0	-99.13	-75.28	-80.37	-80.60	-83.16
DOWN_P_RM_6	-98.35	-76.47	-81.56	-81.85	-84.32



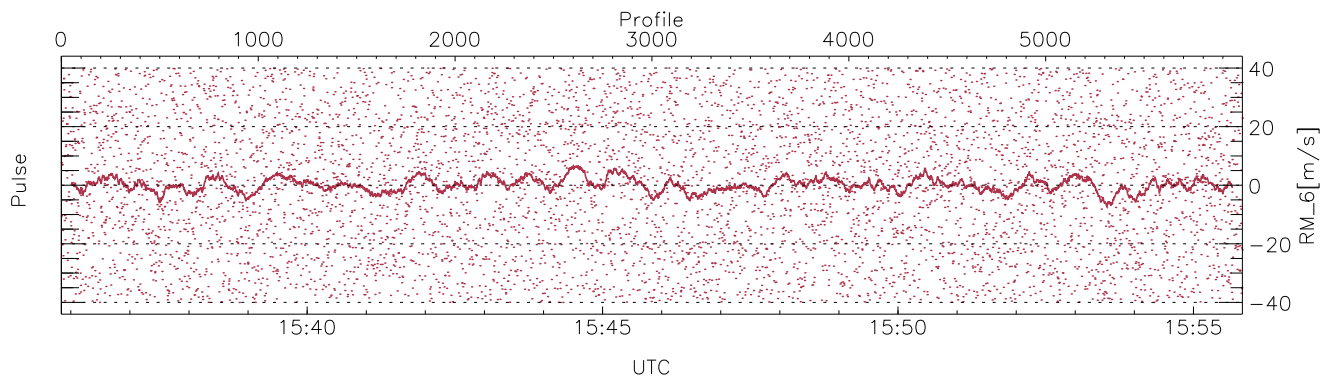
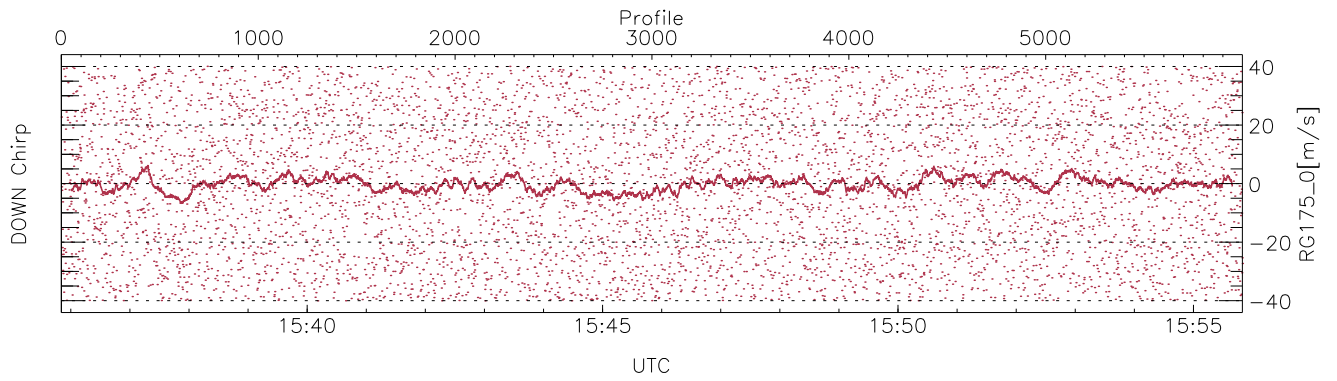
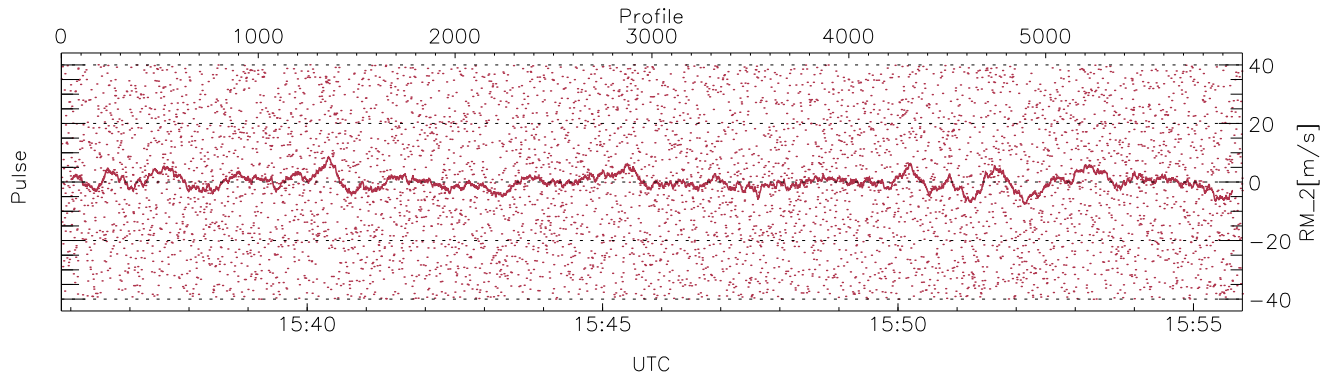
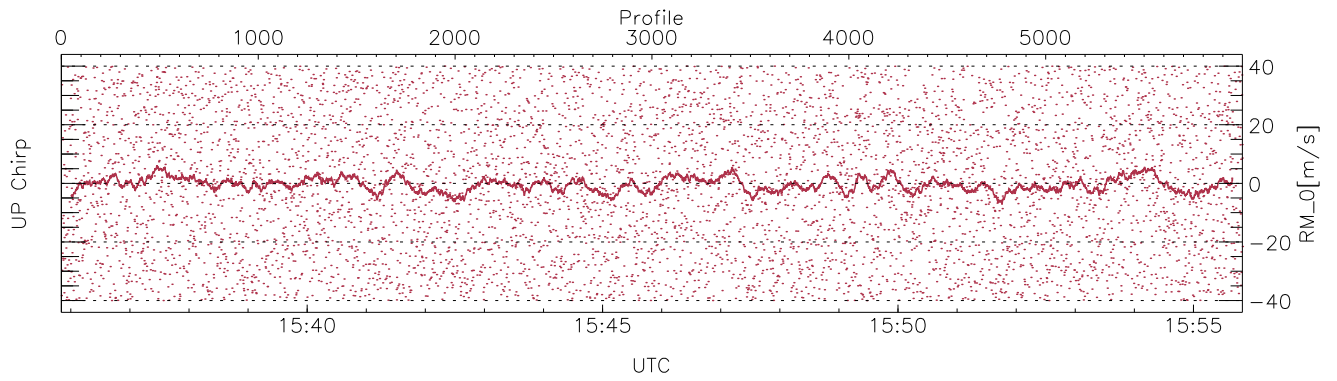
KPR SPP Averaged Received power for all recorded gates
blue: 153550-154550, 3001 profiles averaged
red: 154550-155550, 3000 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 153550-154550, 3001 profiles averaged
red: 154550-155550, 3000 profiles averaged

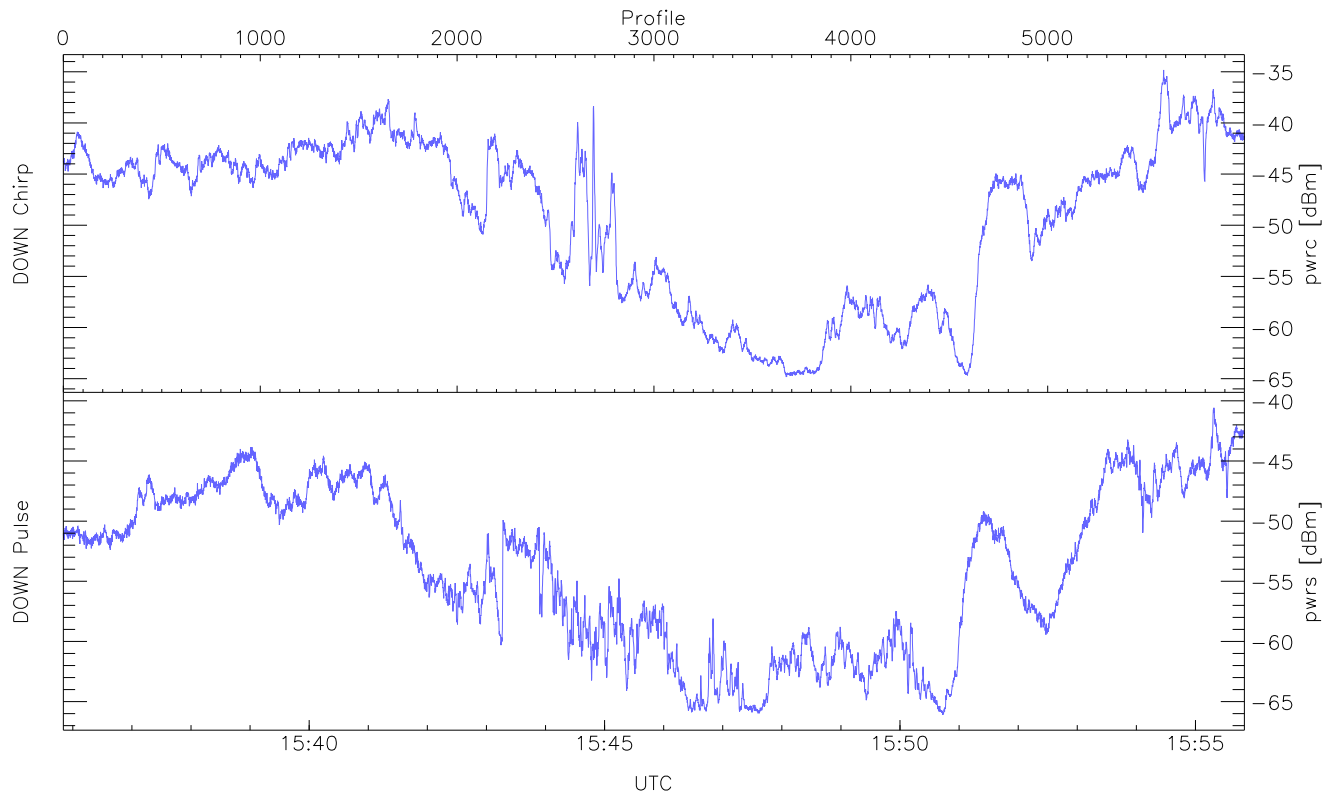
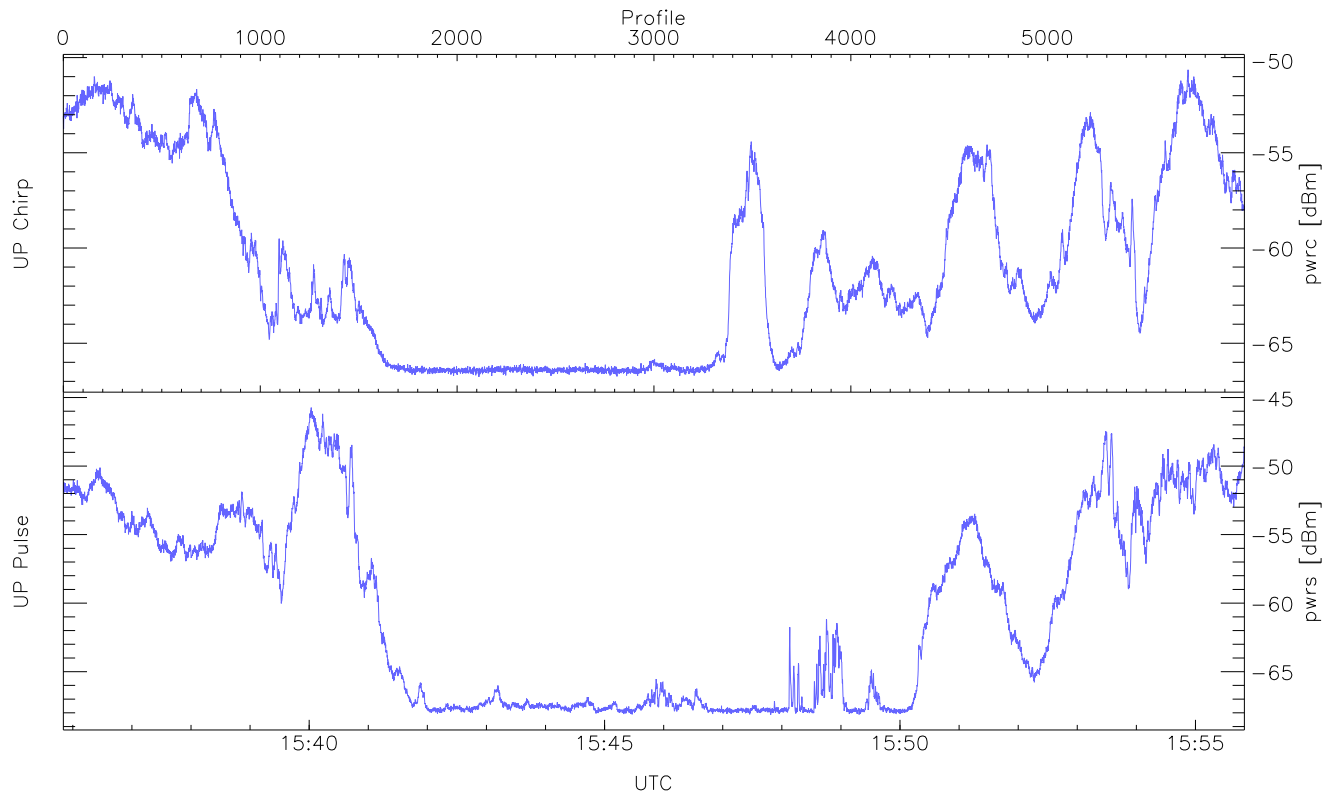


KPR SPP Averaged PP magnitude for all recorded gates
blue: 153550-154550, 3001 profiles averaged
red: 154550-155550, 3000 profiles averaged



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

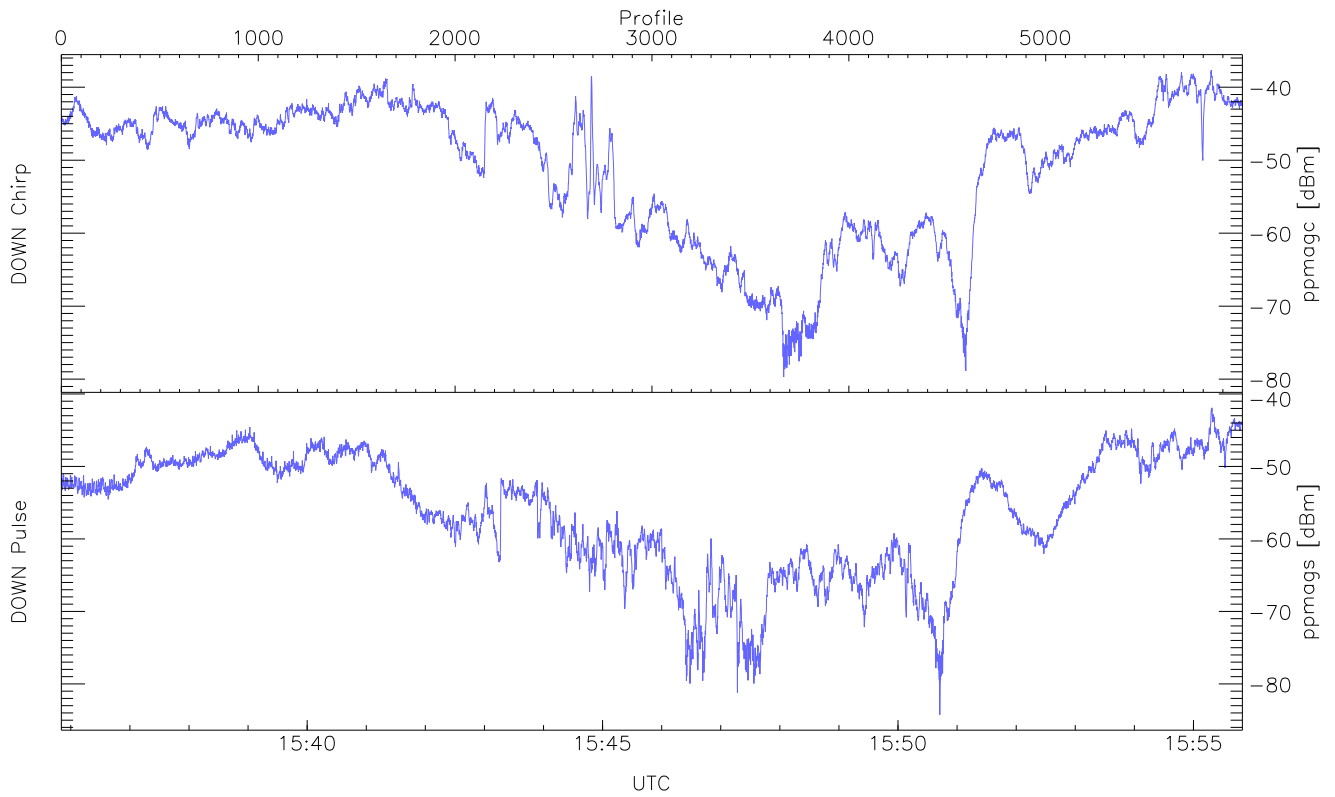
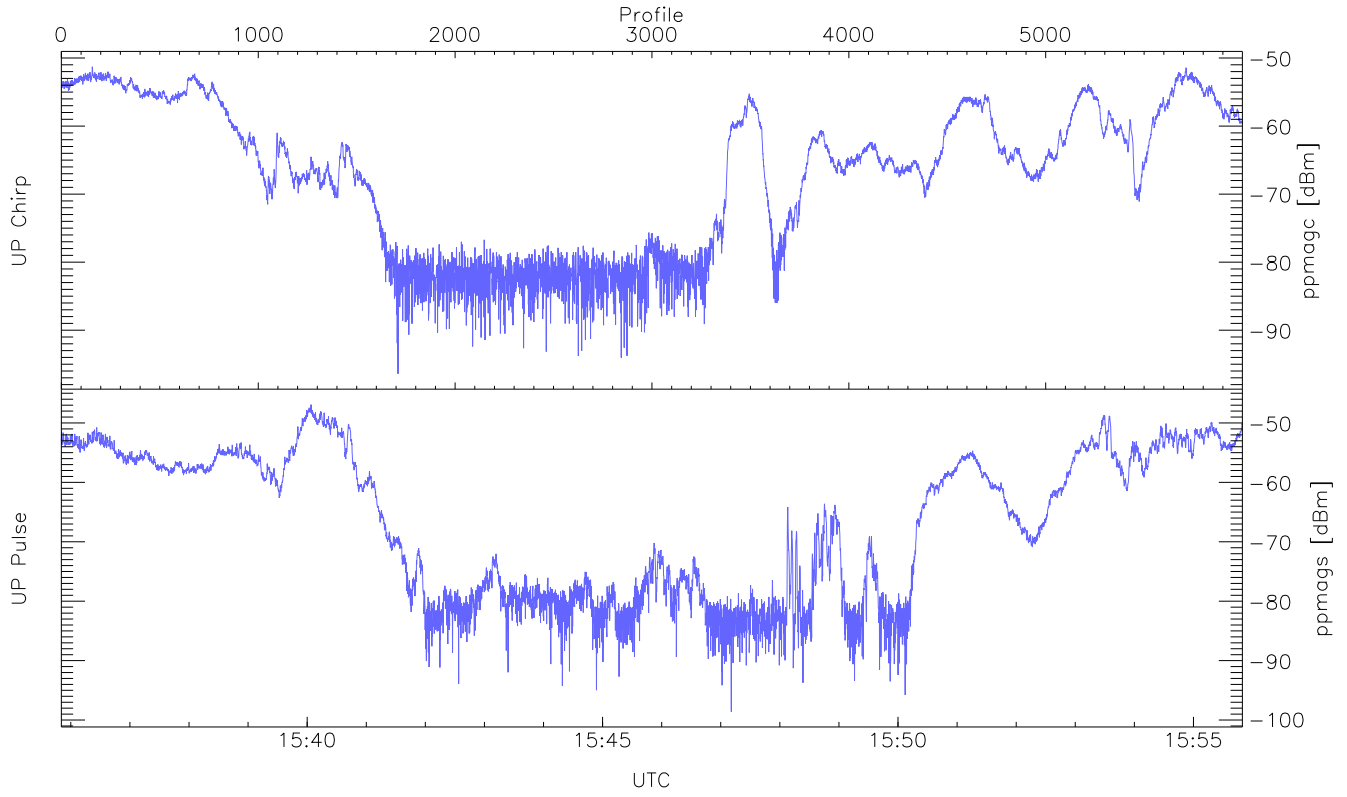
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-40.04	40.01	-0.50	-0.78	23.15
UP_P_RM_2	-40.05	40.06	-0.05	-0.39	22.74
DOWN_C_RG175_0	-40.06	40.06	-0.32	-0.04	23.14
DOWN_P_RM_6	-40.02	40.05	0.06	0.37	22.81



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

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

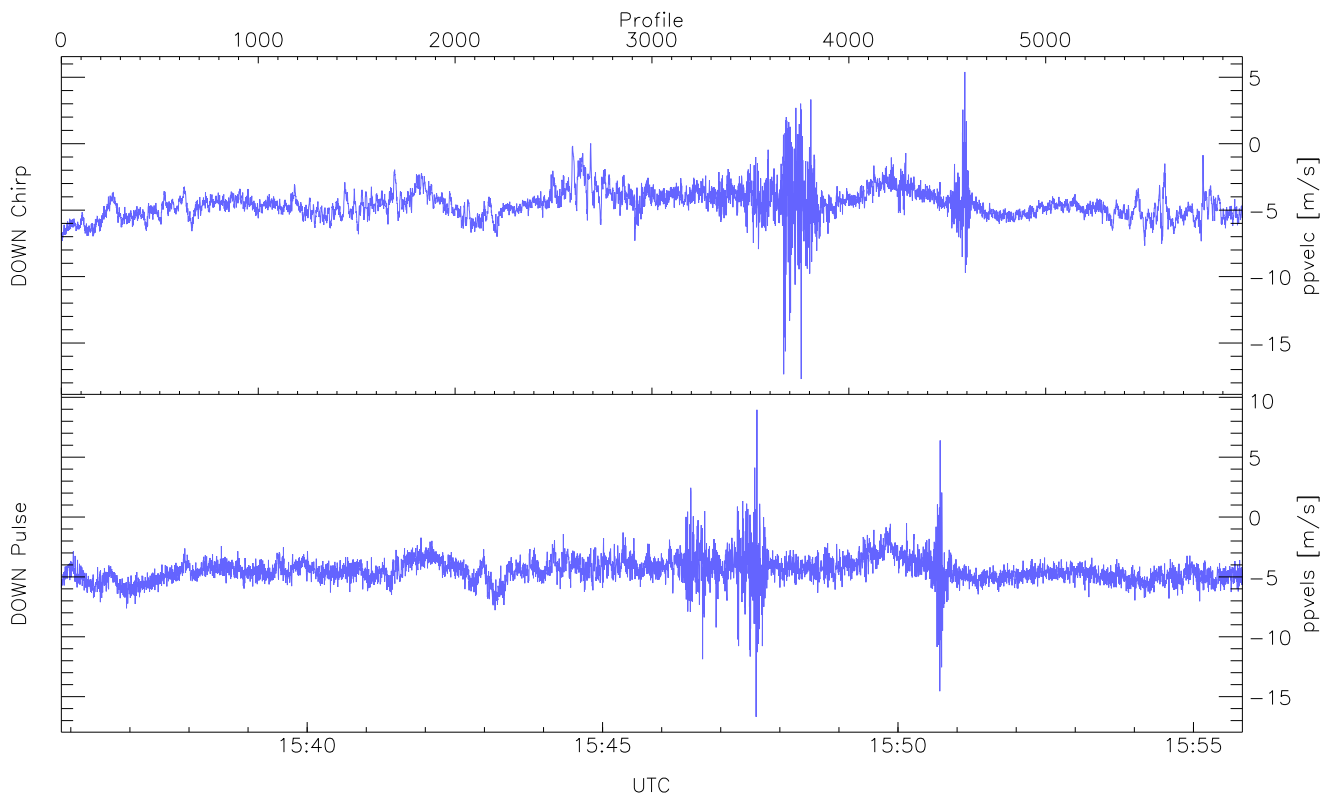
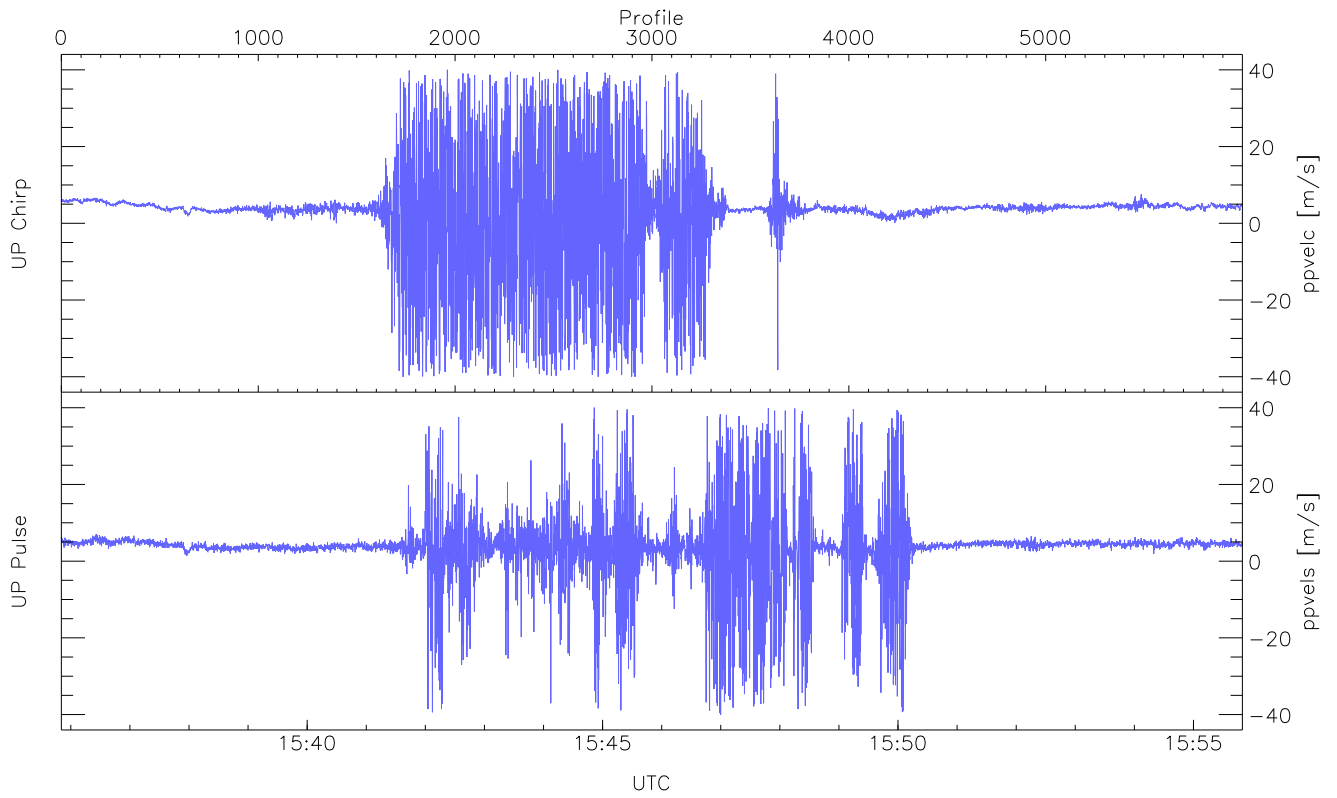
	Min	Max	Mean
UP Chirp(dBm)	-66.76	-50.64	-58.05
UP Pulse(dBm)	-68.13	-45.73	-55.48
DOWN Chirp(dBm)	-64.84	-34.82	-44.75
DOWN Pulse(dBm)	-66.10	-40.58	-49.87



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

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

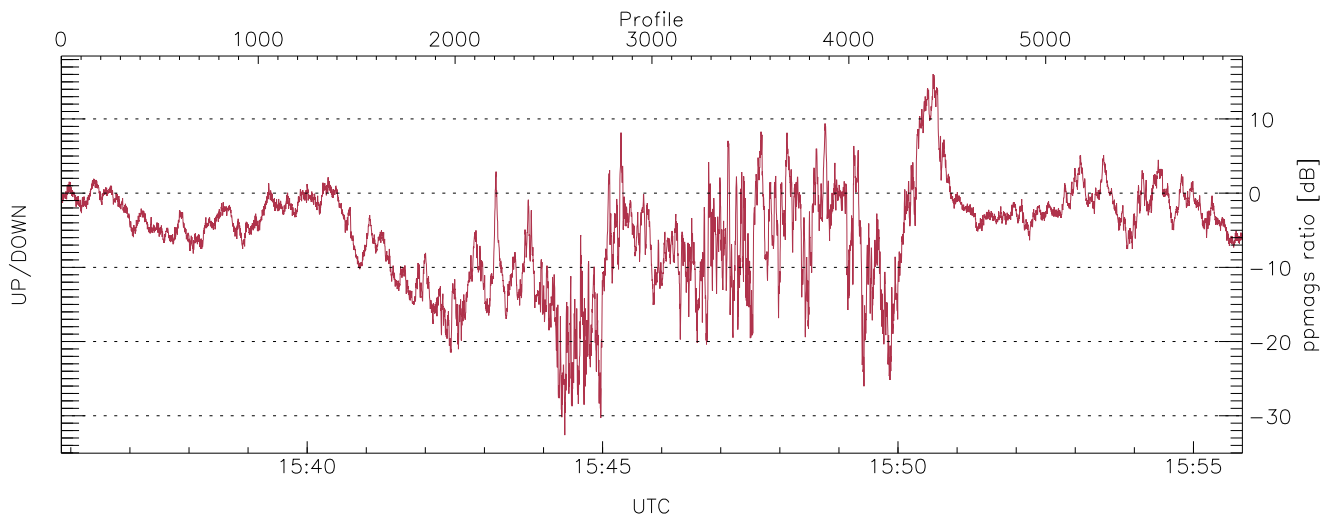
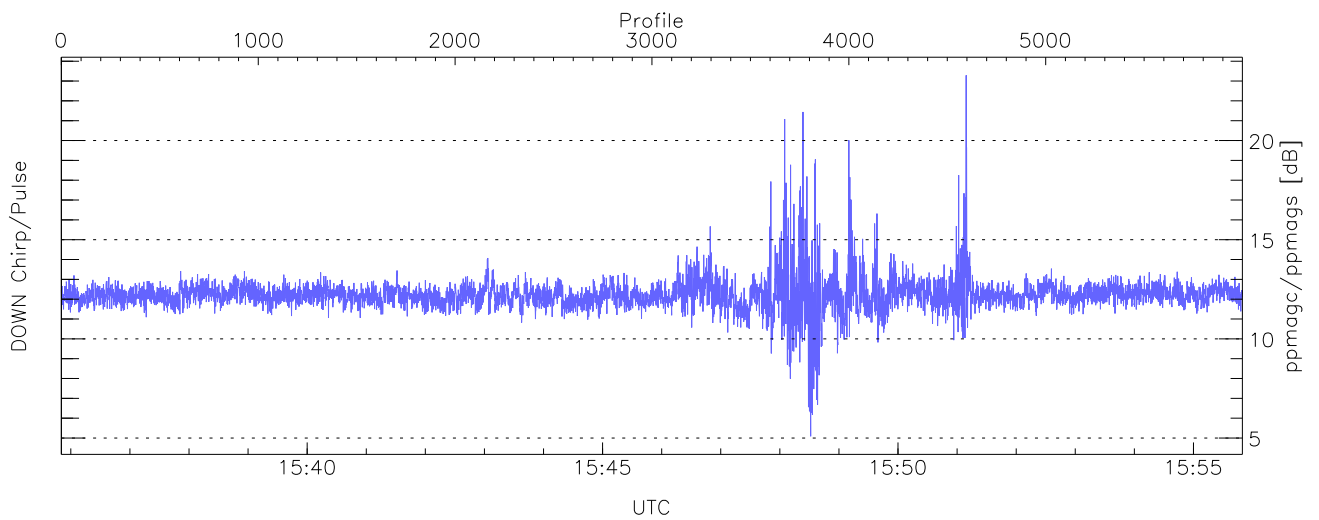
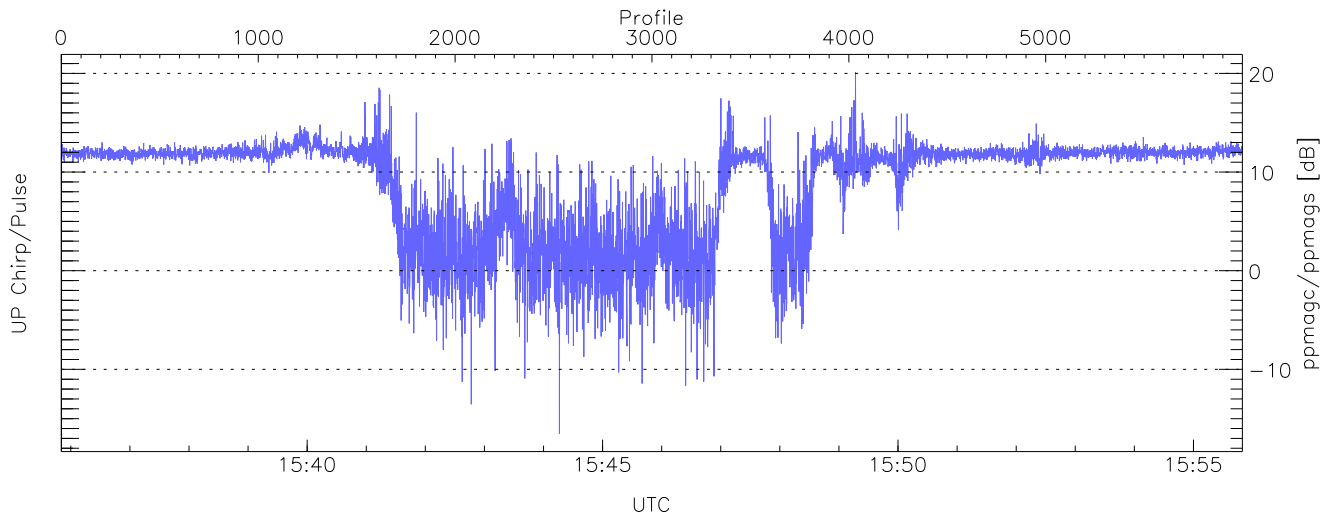
	Min	Max	Mean
UP Chirp(dBm)	-96.41	-51.28	-59.58
UP Pulse(dBm)	-98.58	-46.90	-57.25
DOWN Chirp(dBm)	-79.71	-37.64	-45.76
DOWN Pulse(dBm)	-84.26	-41.90	-51.44



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)	-40.02	40.03	2.81
UP Pulse(m/s)	-40.02	40.06	3.45
DOWN Chirp(m/s)	-17.71	5.40	-4.56
DOWN Pulse(m/s)	-16.69	8.96	-4.49



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-16.50	20.10	10.60
DOWN Chirp/Pulse(dBm)	5.09	23.29	12.30
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-32.61	16.05	-0.80