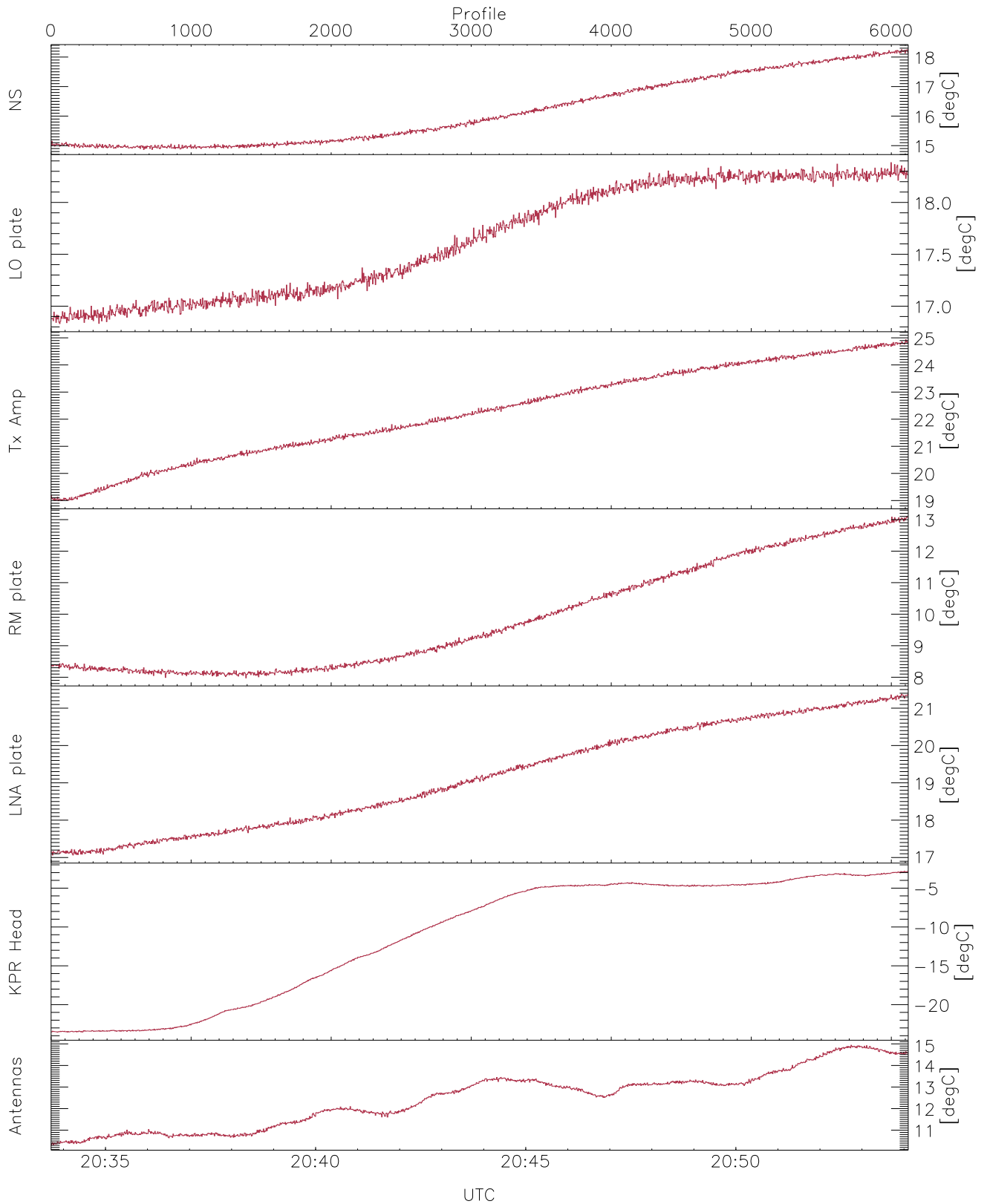


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 20:33:42-20:54:06, TimeCor: 0.00s, Dur: 1223.71s
 TimeInt(min,max,mn,std): 199.5,200.3,199.9,0.0 ms; PPS: 5.0
 NumRec(r/t): 6122/6122, 0-6121/20:33:42-20:54:06
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 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

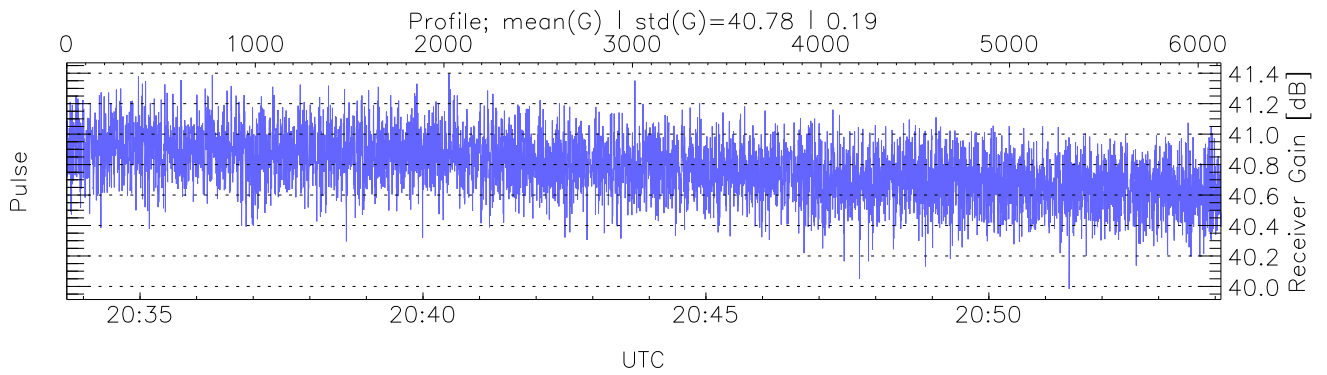
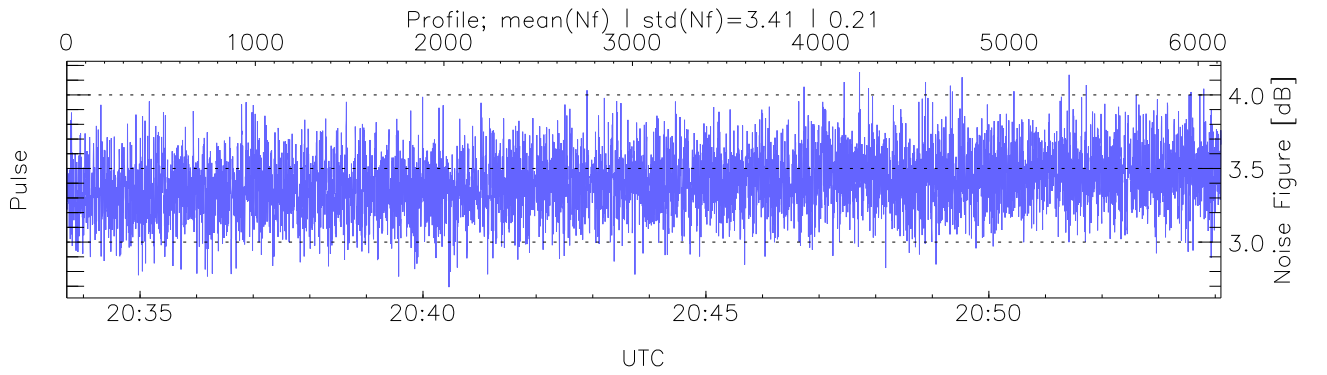
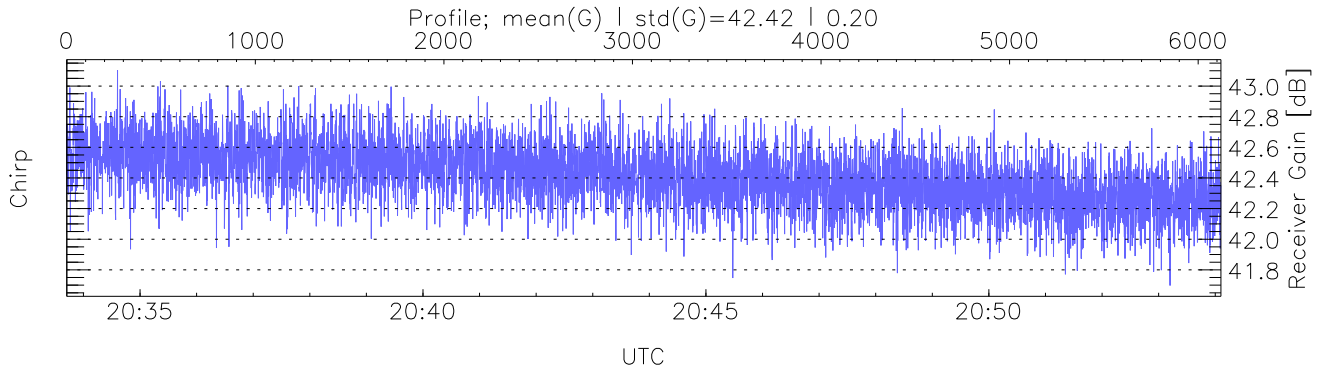
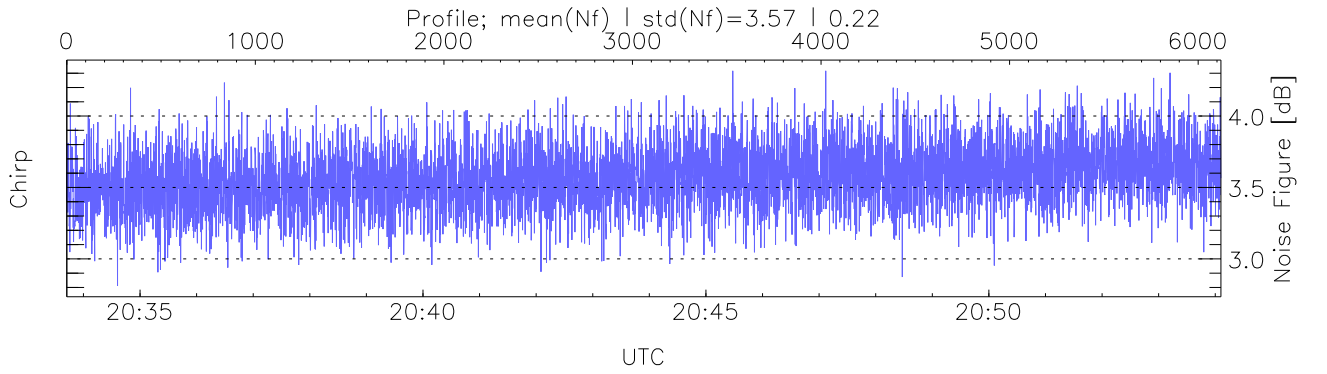


KPR SPP Temperatures, Power Supplies, PLO lock:

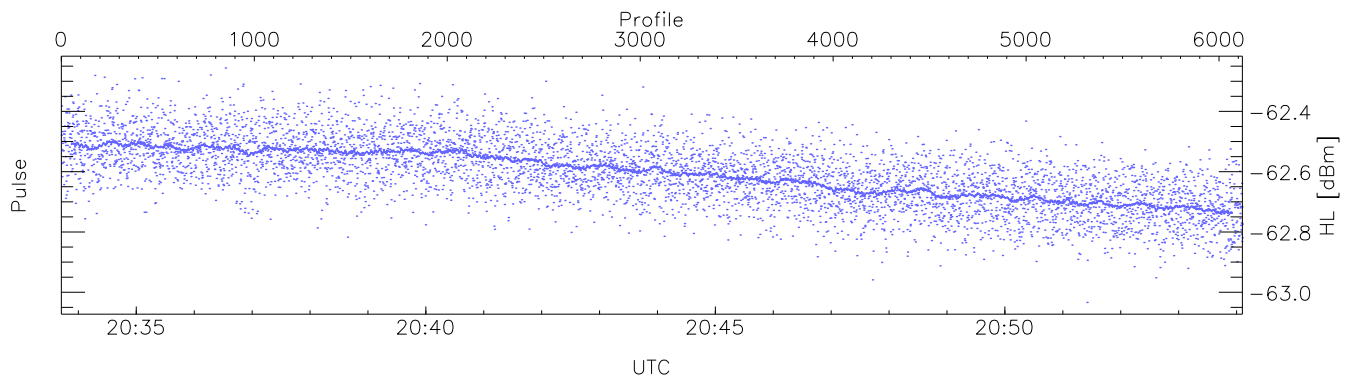
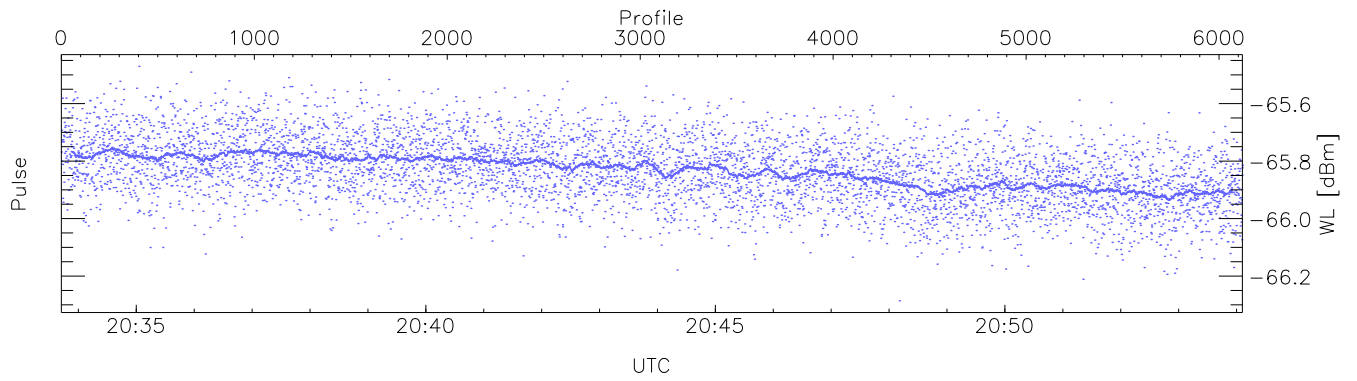
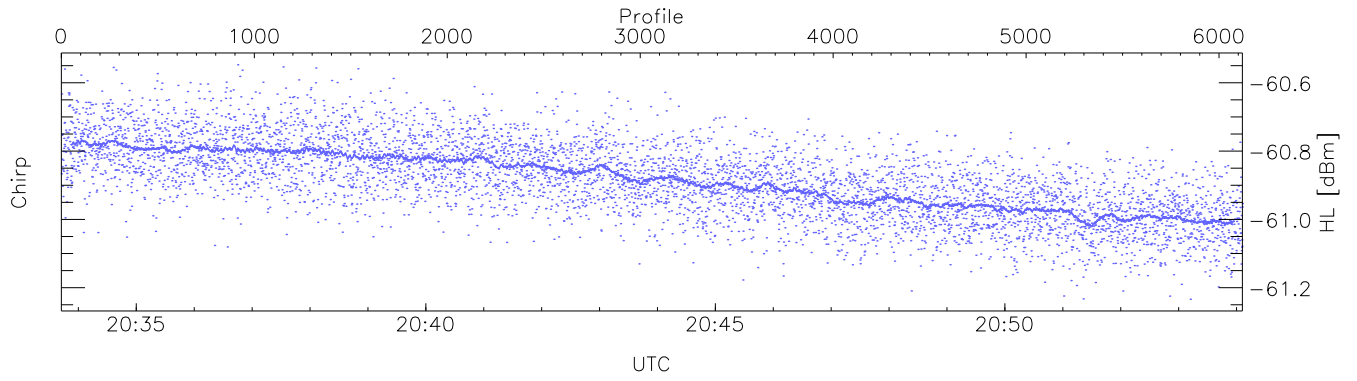
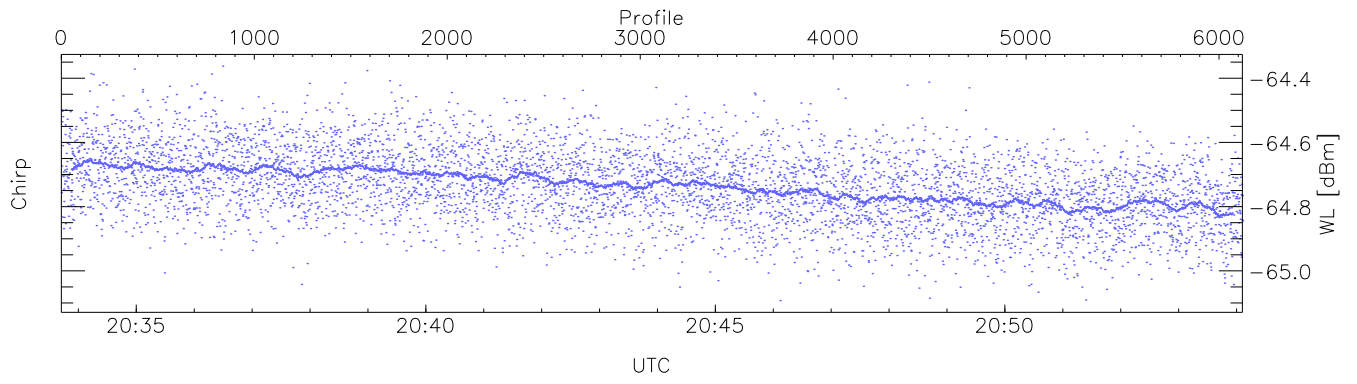
temperature: NS, LO, Tx, RM, LNA, Head, Ant
 mintempC: 14.9, 16.8, 19.0, 8.0, 17.1, -23.5, 10.3
 maxtempC: 18.3, 18.4, 24.9, 13.1, 21.4, -2.8, 14.9
 meantempC: 16.2, 17.6, 22.2, 9.9, 19.2, -11.2, 12.5

PwrSply: 28, 12, 8, 5 VDC
 minVDC: 25.38, 11.66, 7.87, 5.21
 maxVDC: 27.92, 11.74, 7.90, 5.23
 meanVDC: 26.78, 11.70, 7.88, 5.22

PLO(3.84,15.84 GHz) unlocked: None

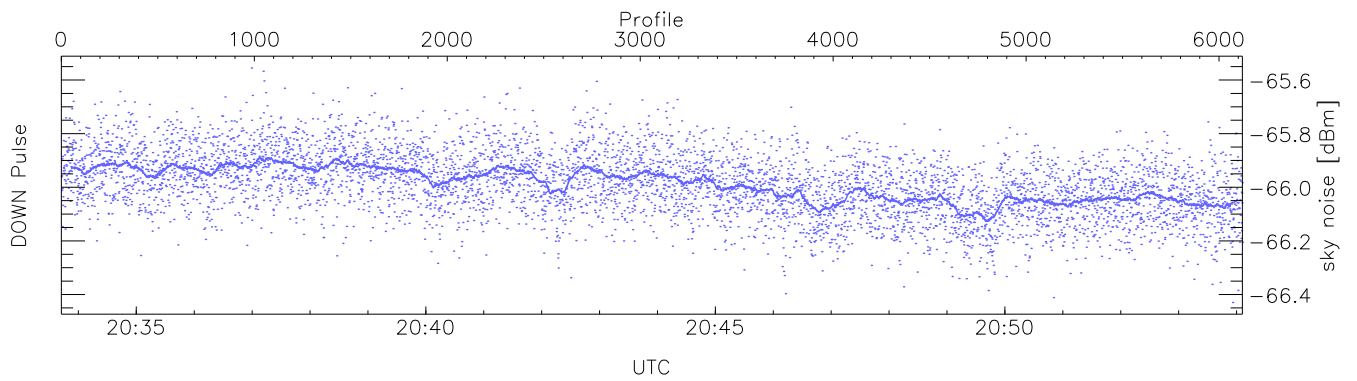
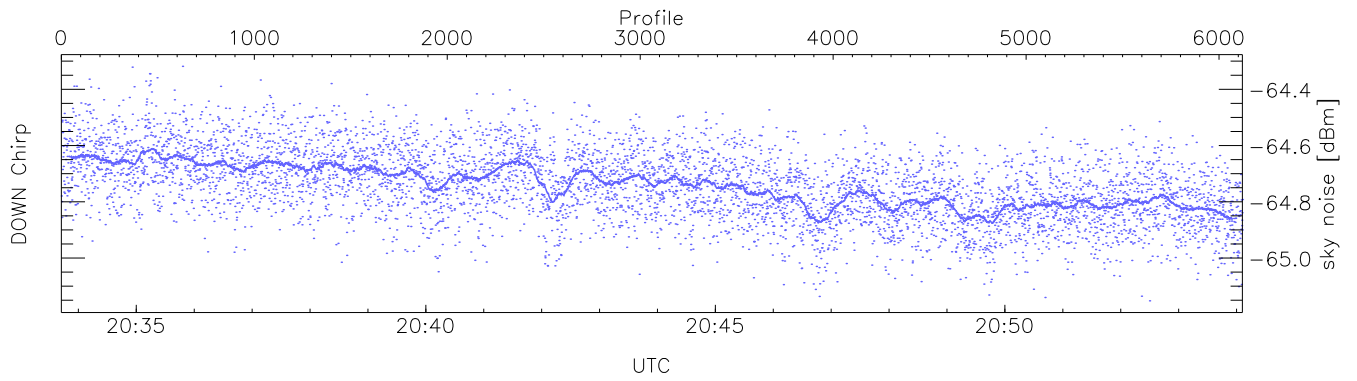
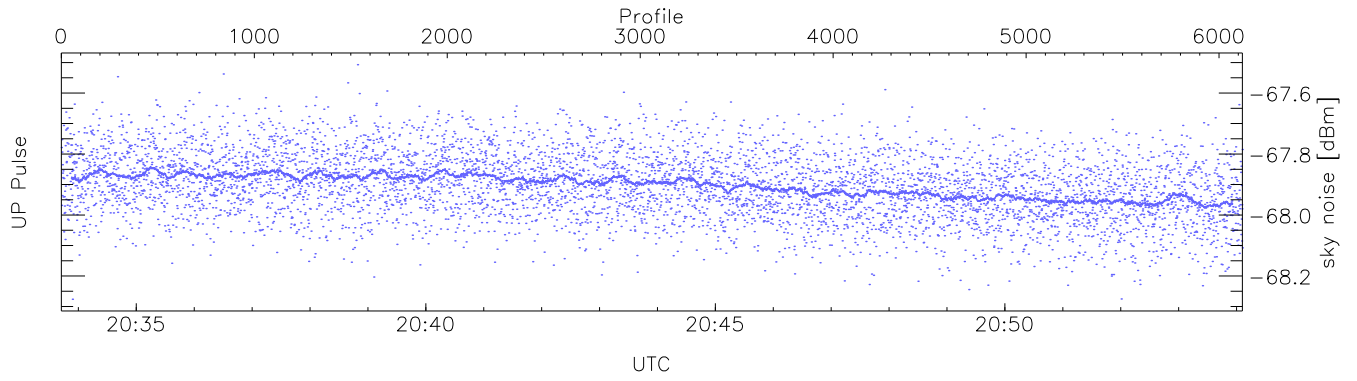
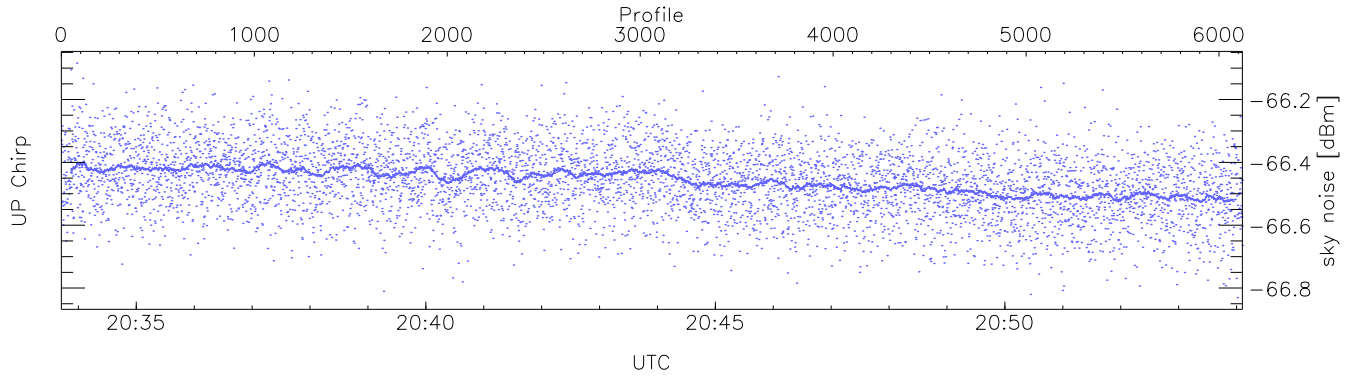


KPR SPP Receiver Gain and Noise Figure



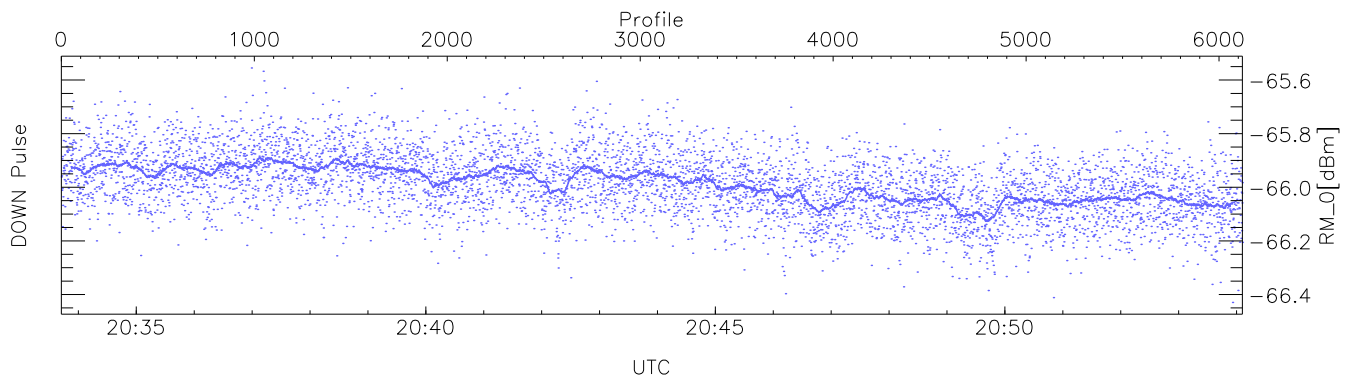
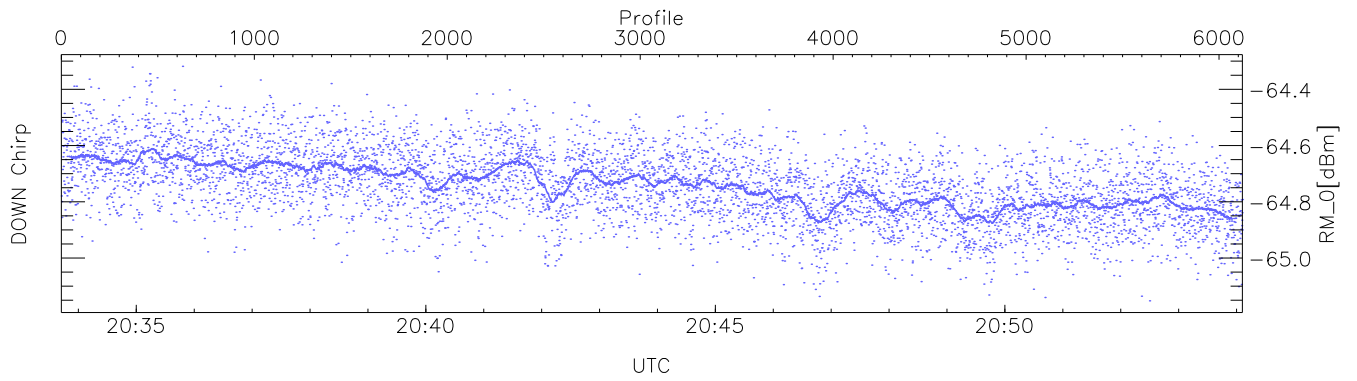
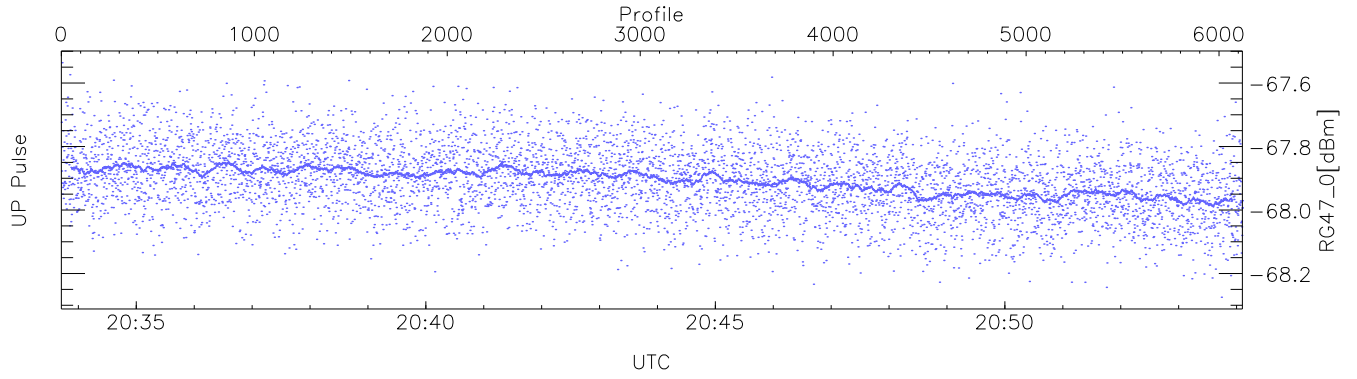
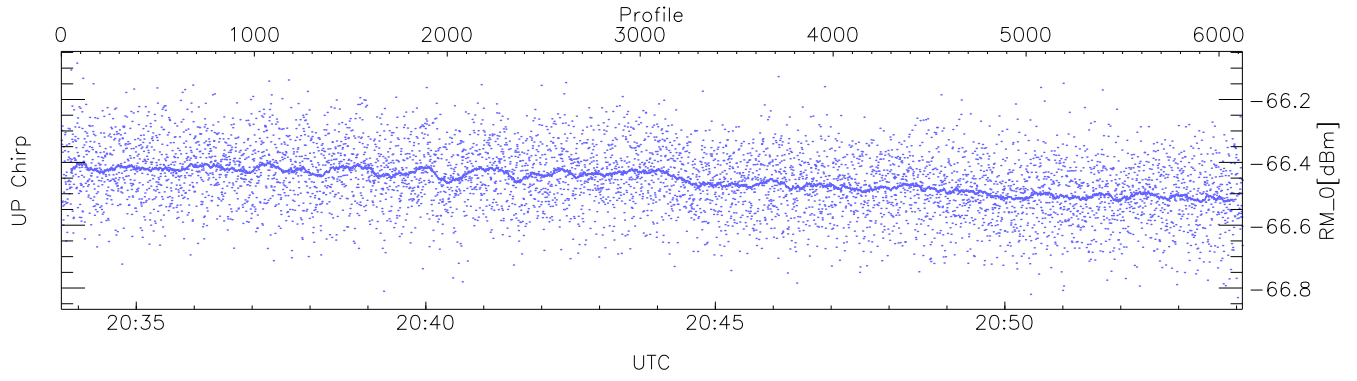
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.09	-64.36	-64.73	-64.74	-80.69
Chirp(HL [dBm])	-61.23	-60.55	-60.88	-60.88	-76.84
Pulse(WL [dBm])	-66.29	-65.47	-65.83	-65.83	-81.79
Pulse(HL [dBm])	-63.03	-62.26	-62.60	-62.60	-78.63



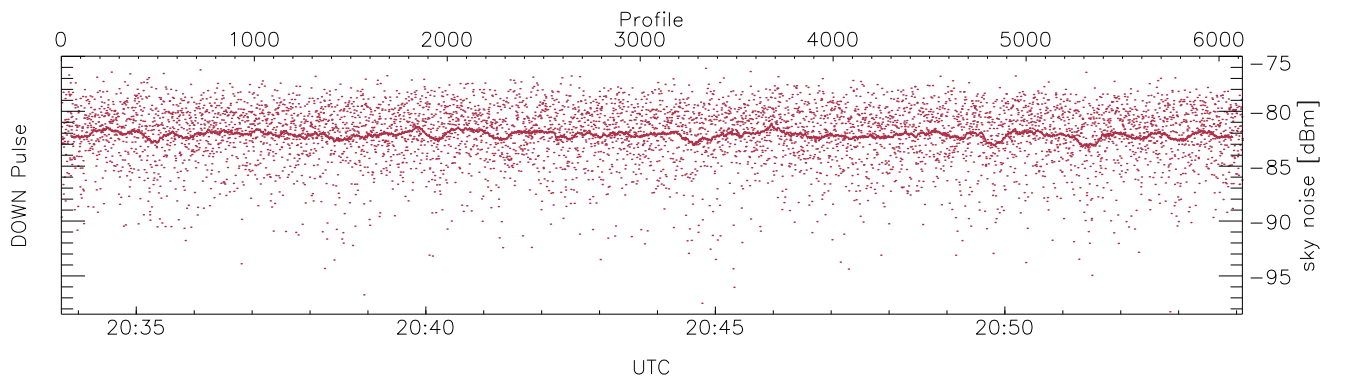
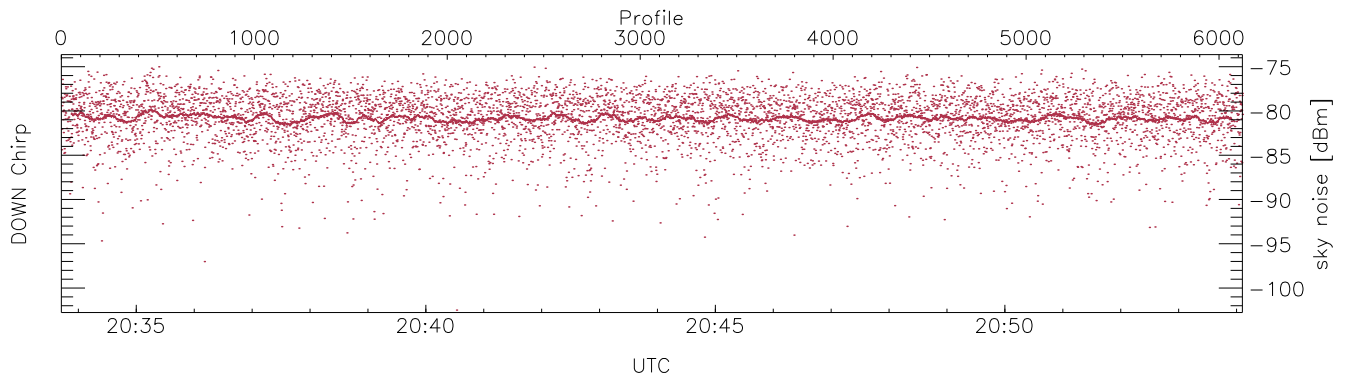
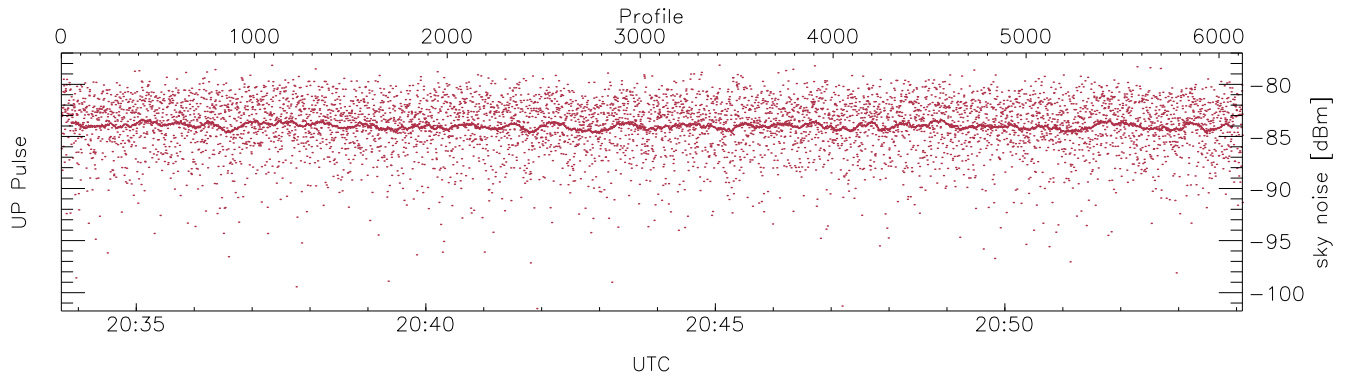
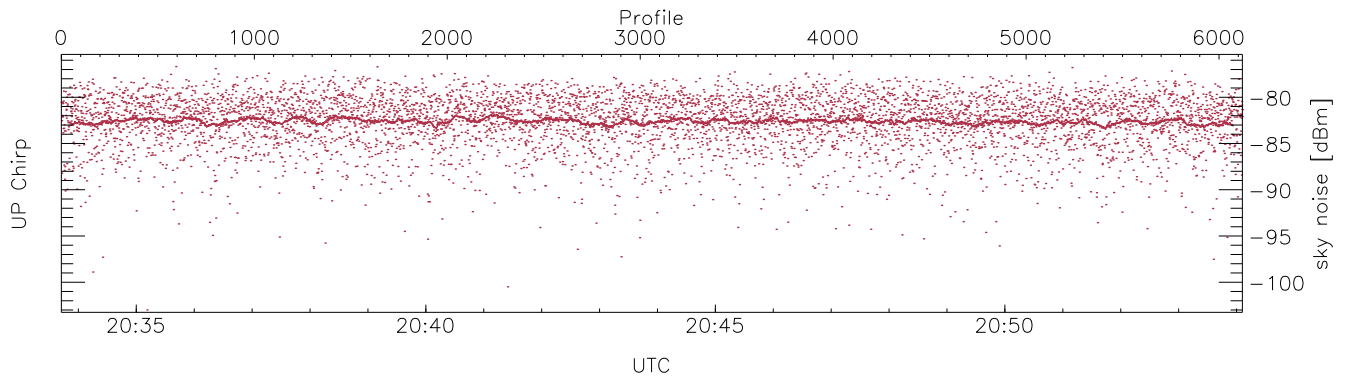
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.83	-66.08	-66.46	-66.46	-82.58
UP Pulse(dBm)	-68.28	-67.51	-67.90	-67.90	-84.06
DOWN Chirp(dBm)	-65.15	-64.32	-64.74	-64.74	-80.21
DOWN Pulse(dBm)	-66.43	-65.55	-65.99	-65.99	-81.72



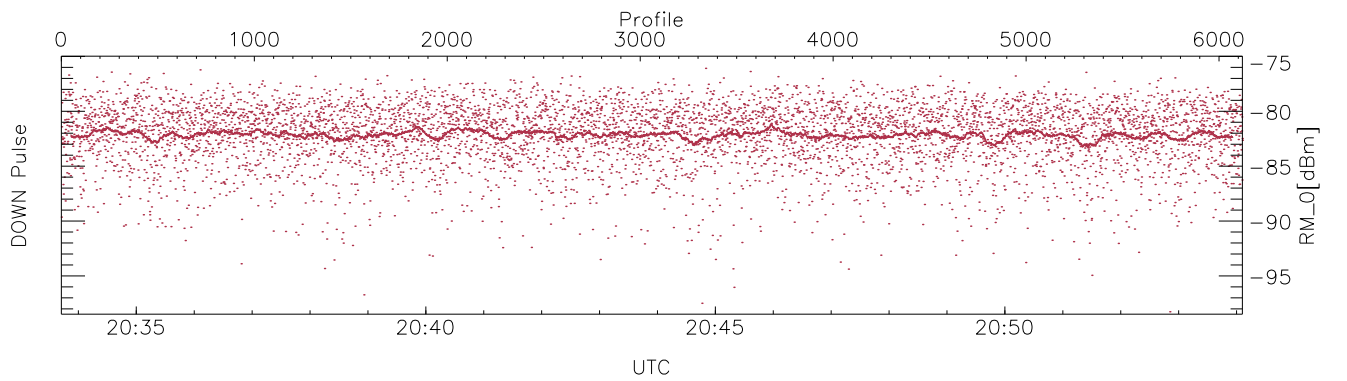
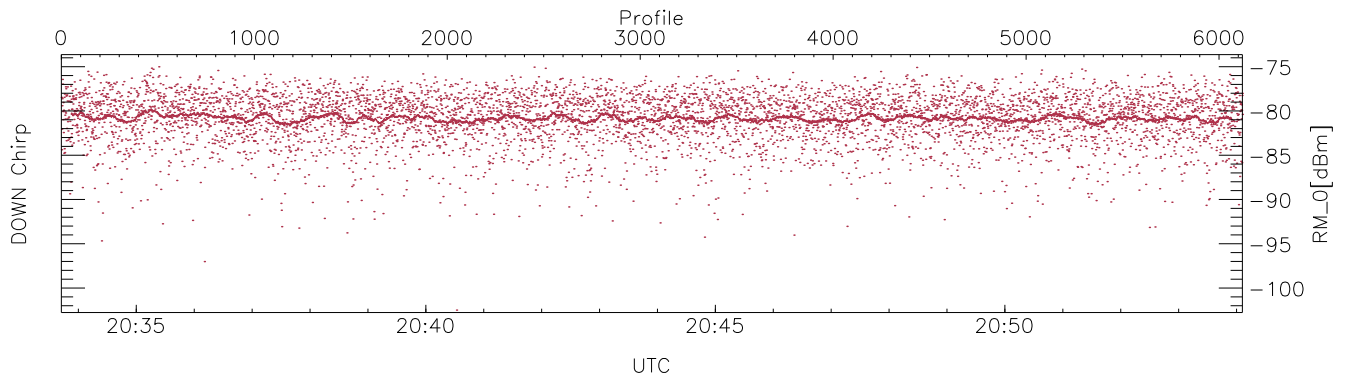
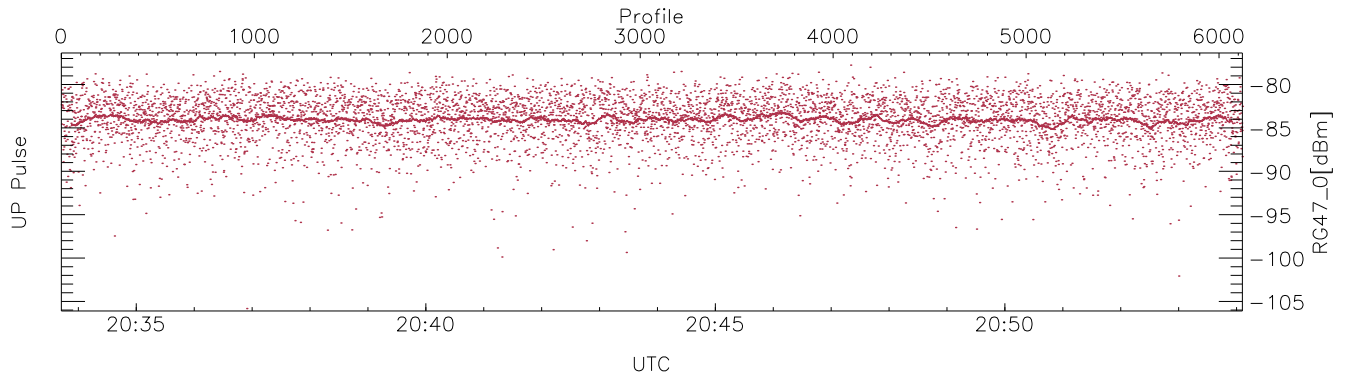
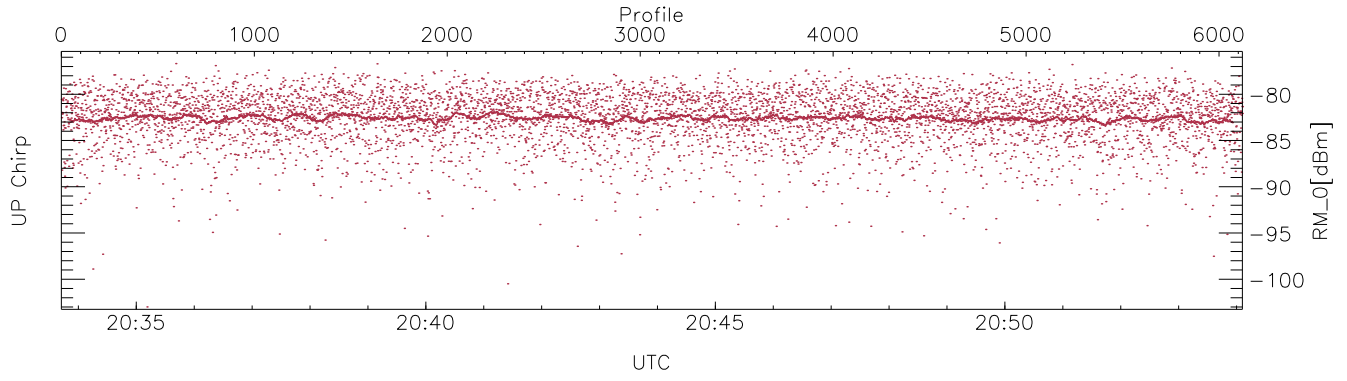
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-66.83	-66.08	-66.46	-66.46	-82.58
UP_P_RG47_0	-68.27	-67.54	-67.91	-67.91	-84.08
DOWN_C_RM_0	-65.15	-64.32	-64.74	-64.74	-80.21
DOWN_P_RM_0	-66.43	-65.55	-65.99	-65.99	-81.72



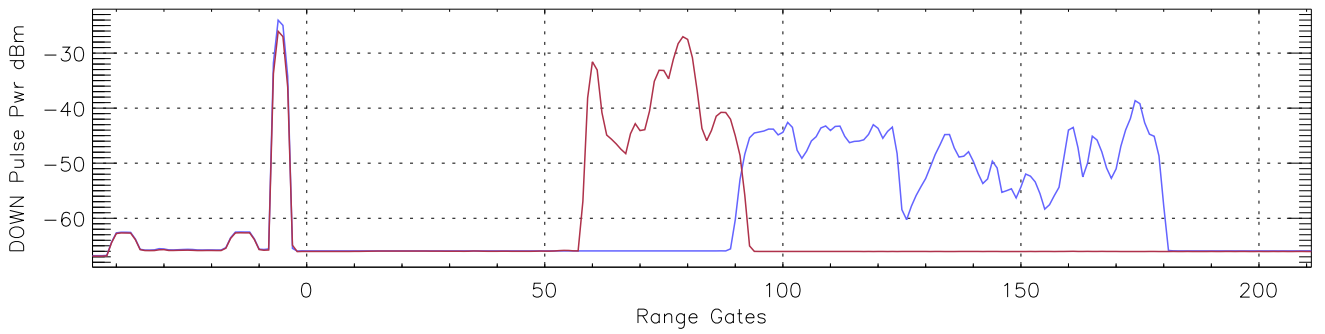
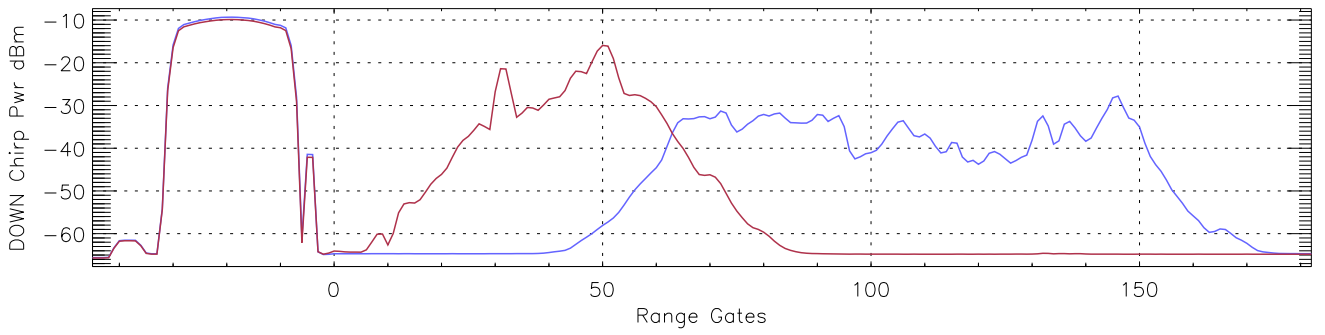
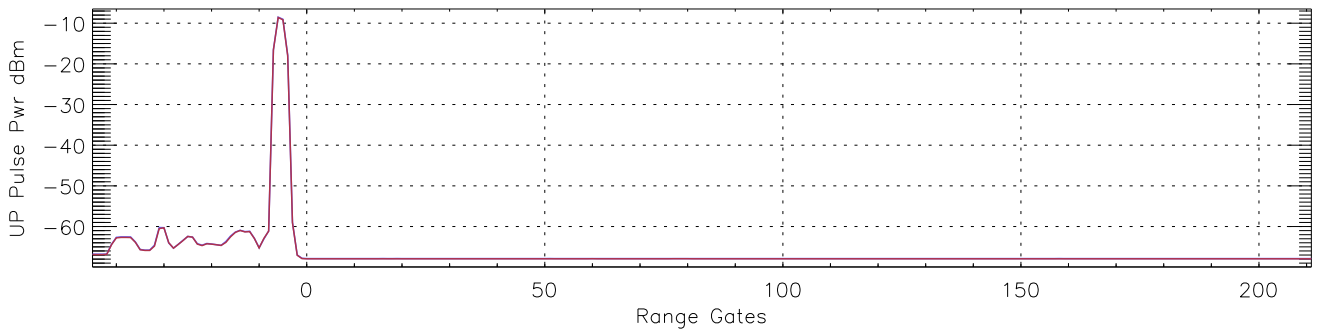
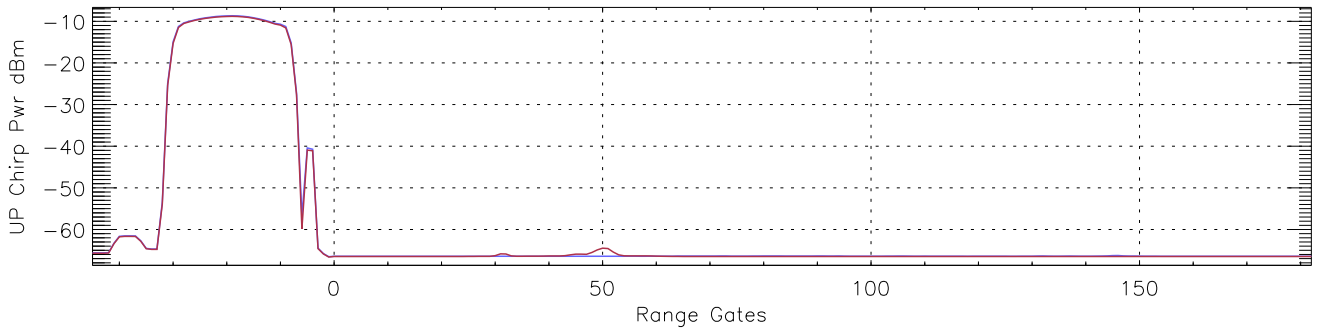
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-102.99	-76.68	-81.88	-82.15	-84.67
UP Pulse(dBm)	-101.53	-78.16	-83.30	-83.53	-86.14
DOWN Chirp(dBm)	-102.50	-75.01	-80.11	-80.40	-82.89
DOWN Pulse(dBm)	-98.26	-76.09	-81.42	-81.70	-84.20

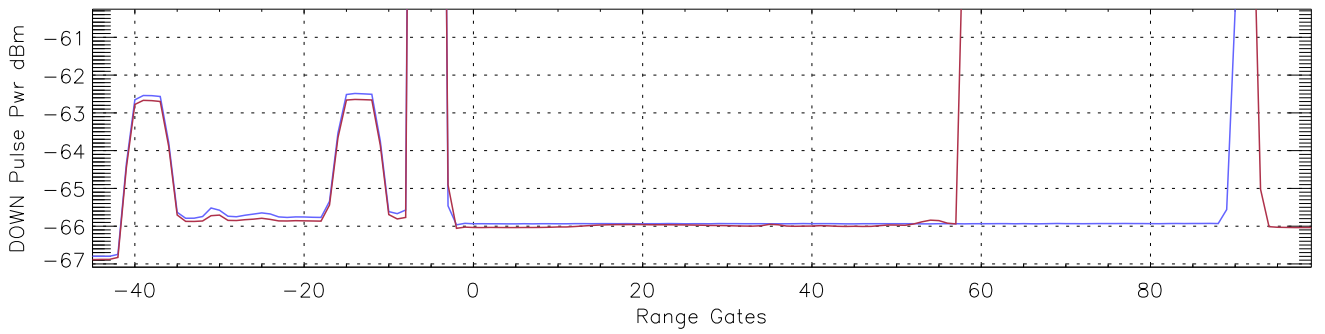
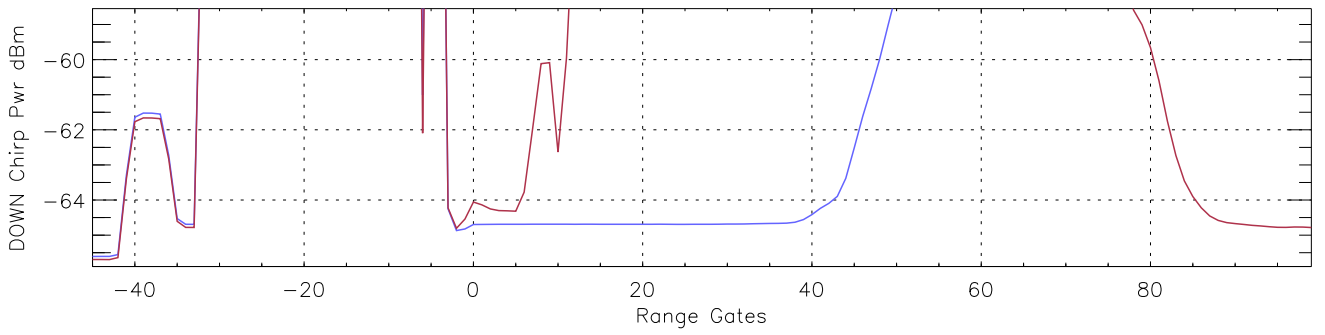
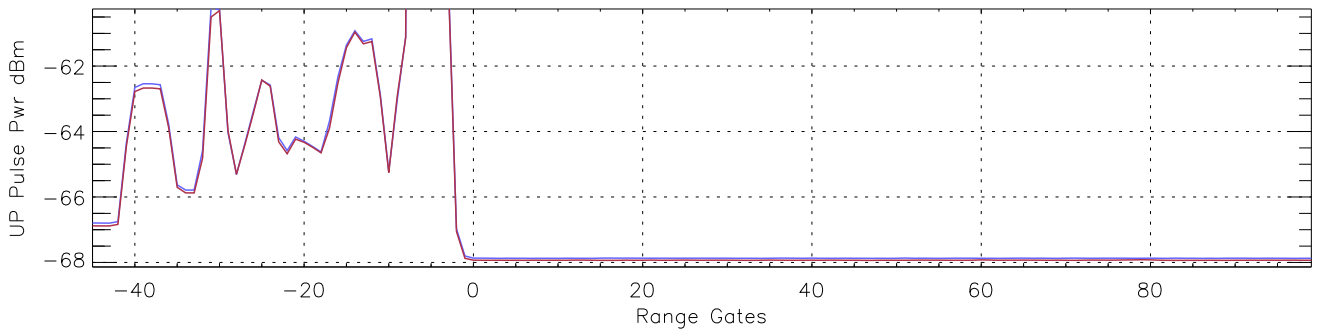
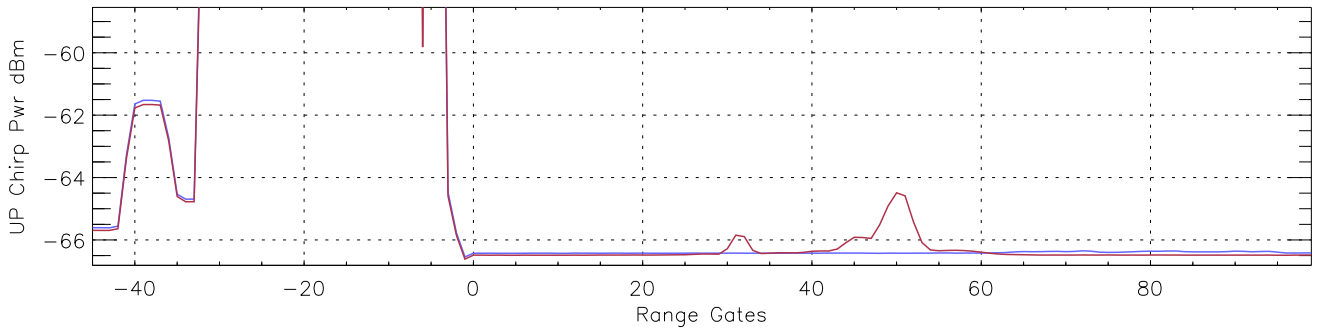


KPR SPP "Best" PPMAG noise (dBm):

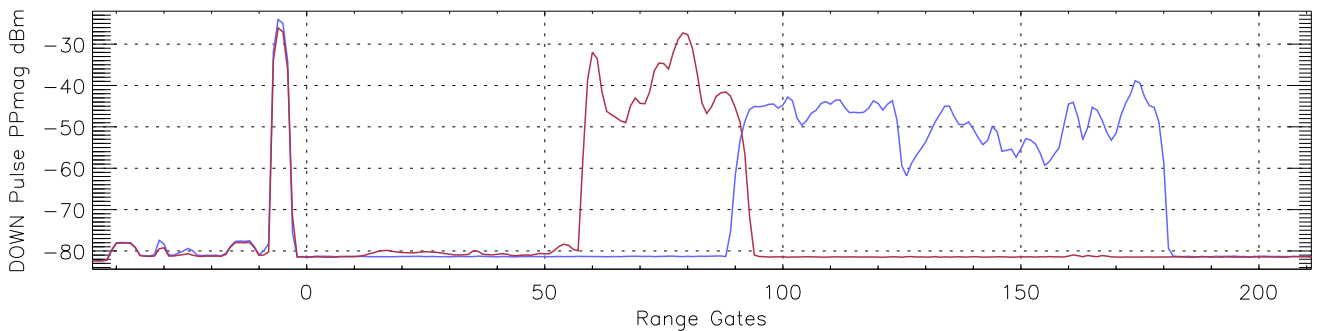
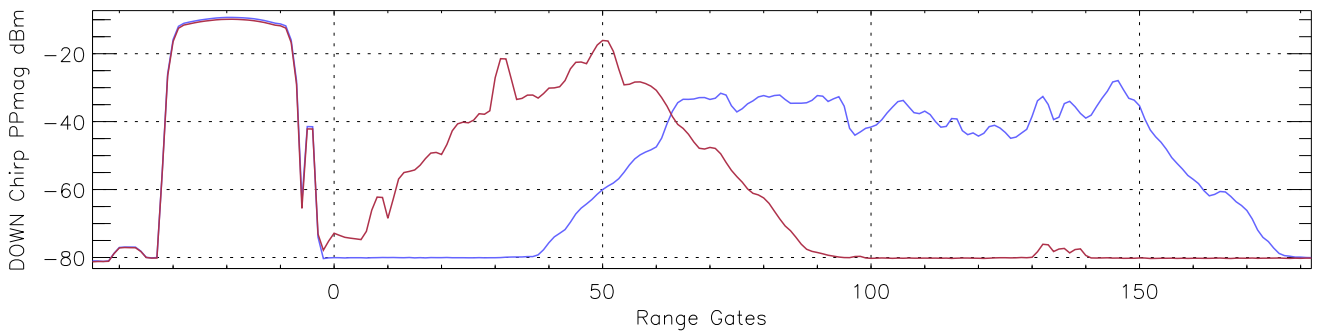
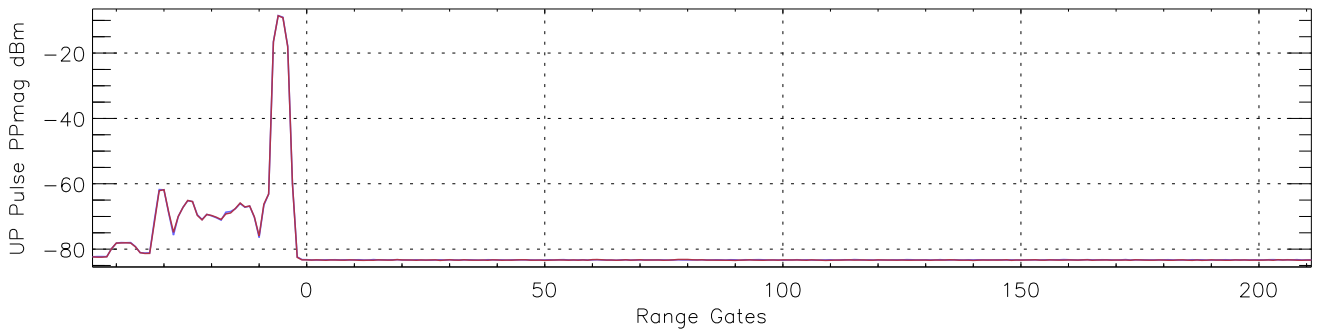
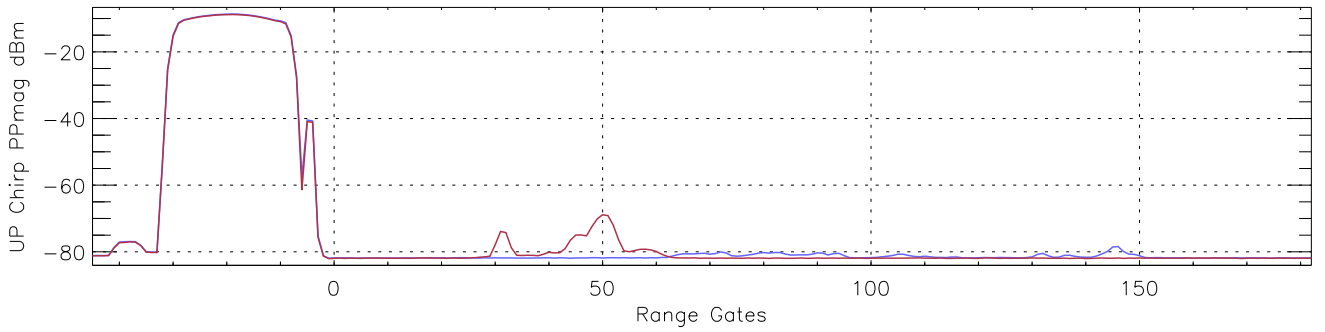
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-102.99	-76.68	-81.88	-82.15	-84.67
UP_P_RG47_0	-105.82	-77.77	-83.34	-83.64	-86.09
DOWN_C_RM_0	-102.50	-75.01	-80.11	-80.40	-82.89
DOWN_P_RM_0	-98.26	-76.09	-81.42	-81.70	-84.20



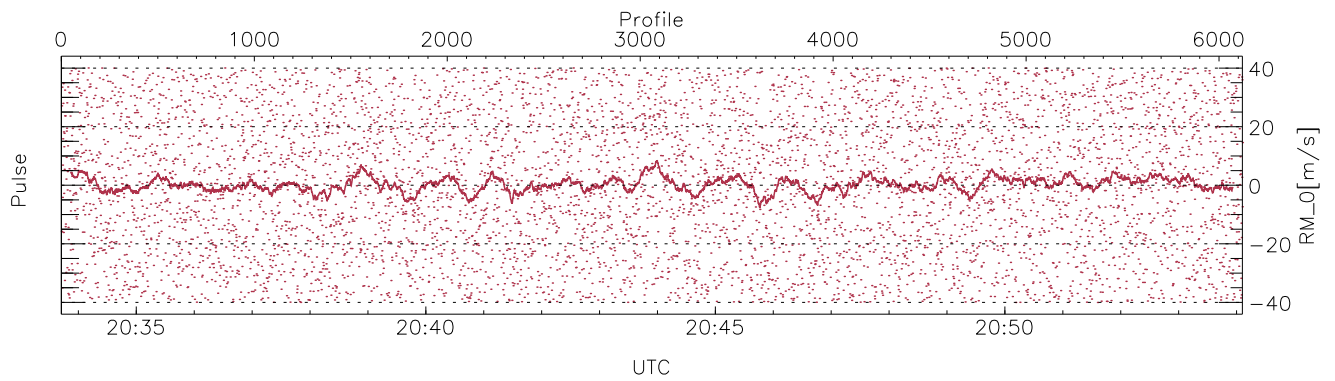
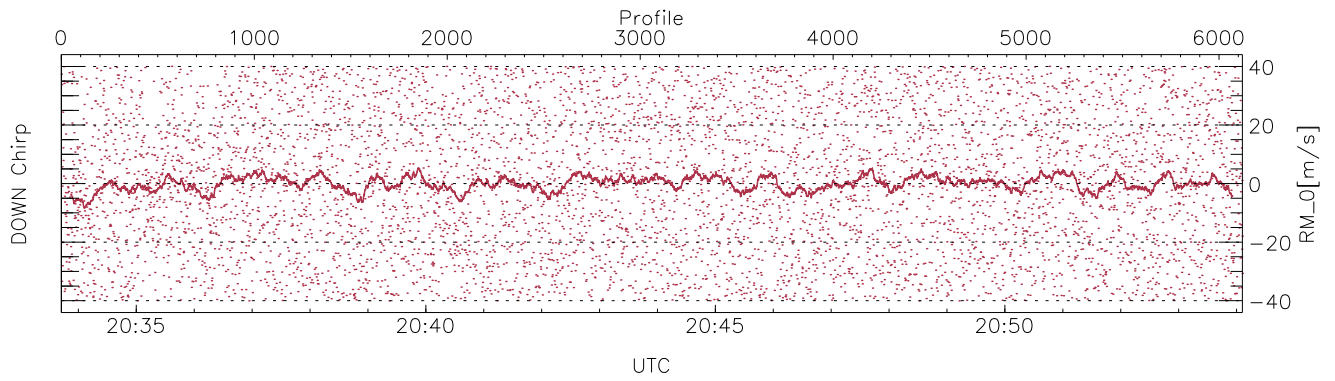
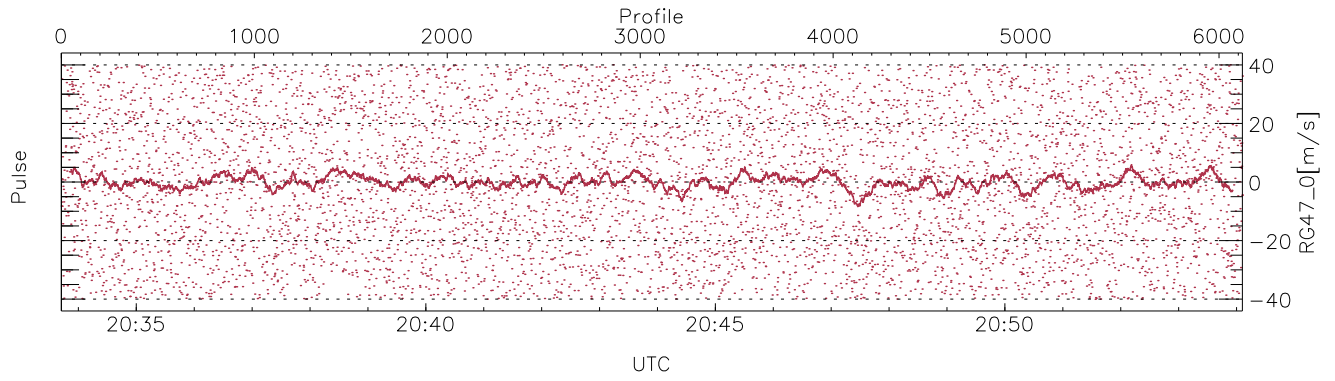
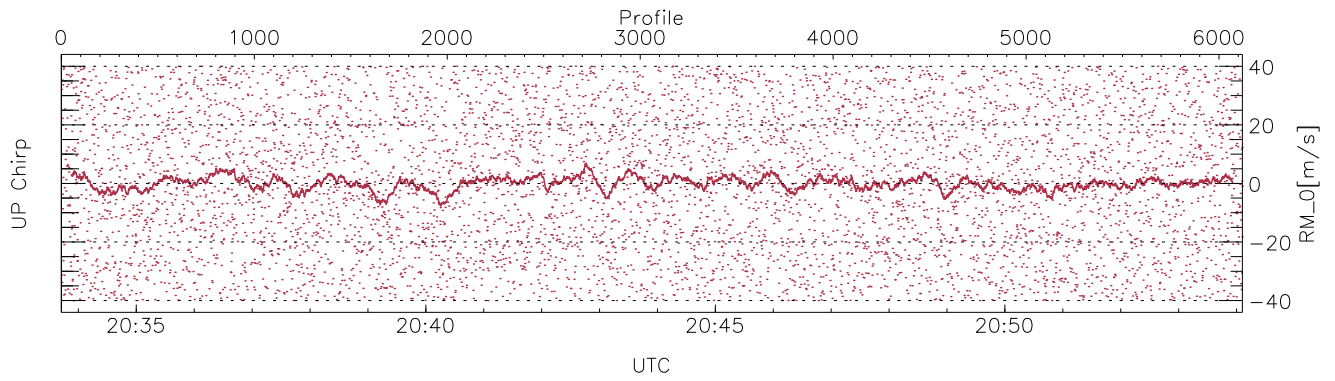
KPR SPP Averaged Received power for all recorded gates
blue: 203342-204354, 3062 profiles averaged
red: 204354-205406, 3061 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 203342-204354, 3062 profiles averaged
red: 204354-205406, 3061 profiles averaged

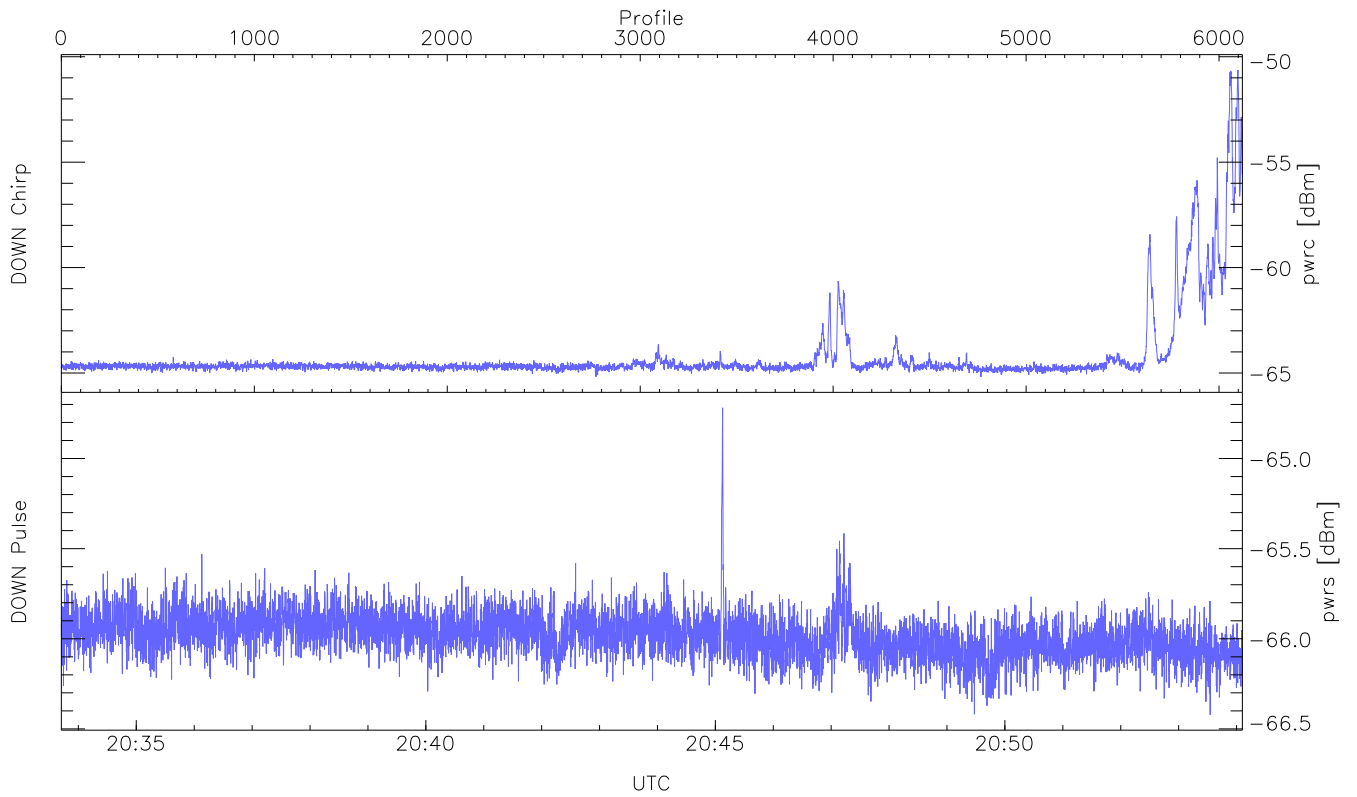
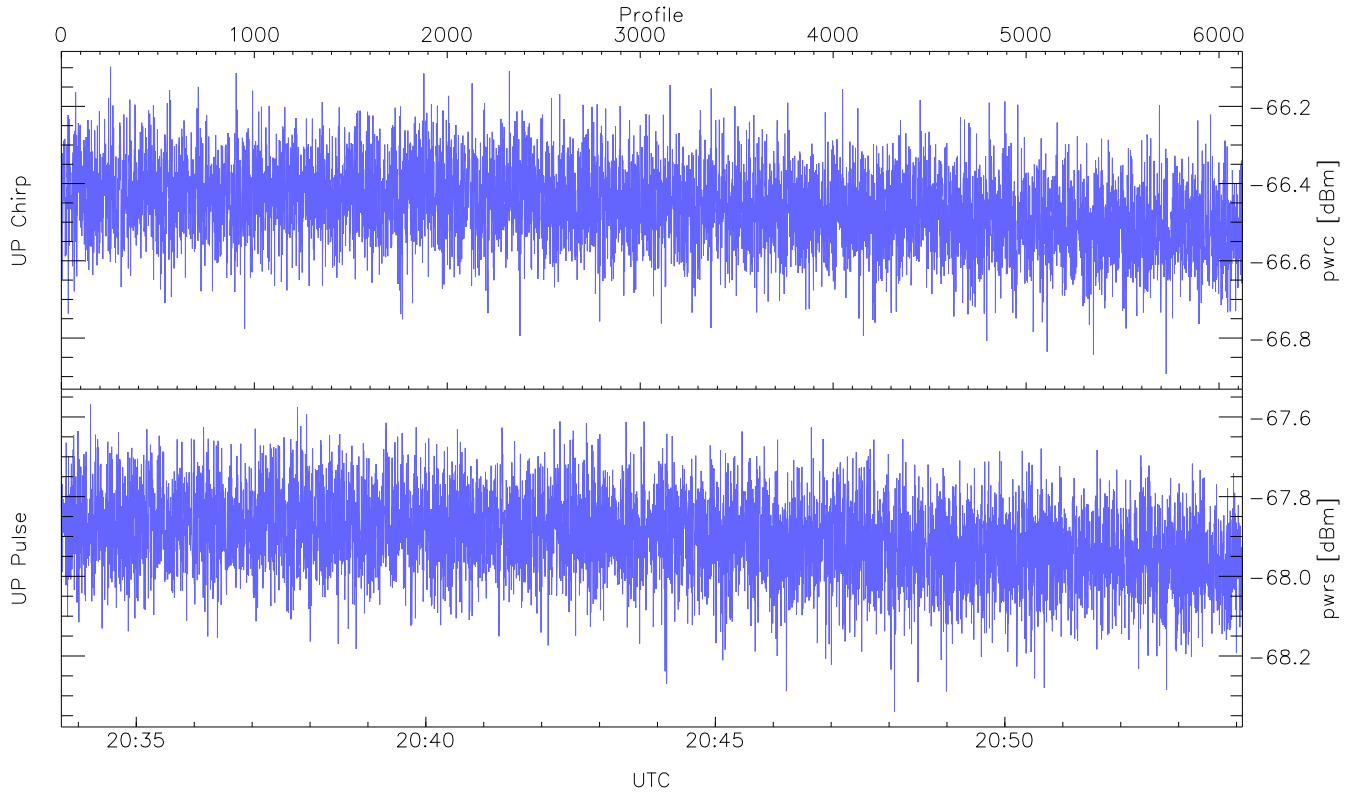


KPR SPP Averaged PP magnitude for all recorded gates
blue: 203342-204354, 3062 profiles averaged
red: 204354-205406, 3061 profiles averaged



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

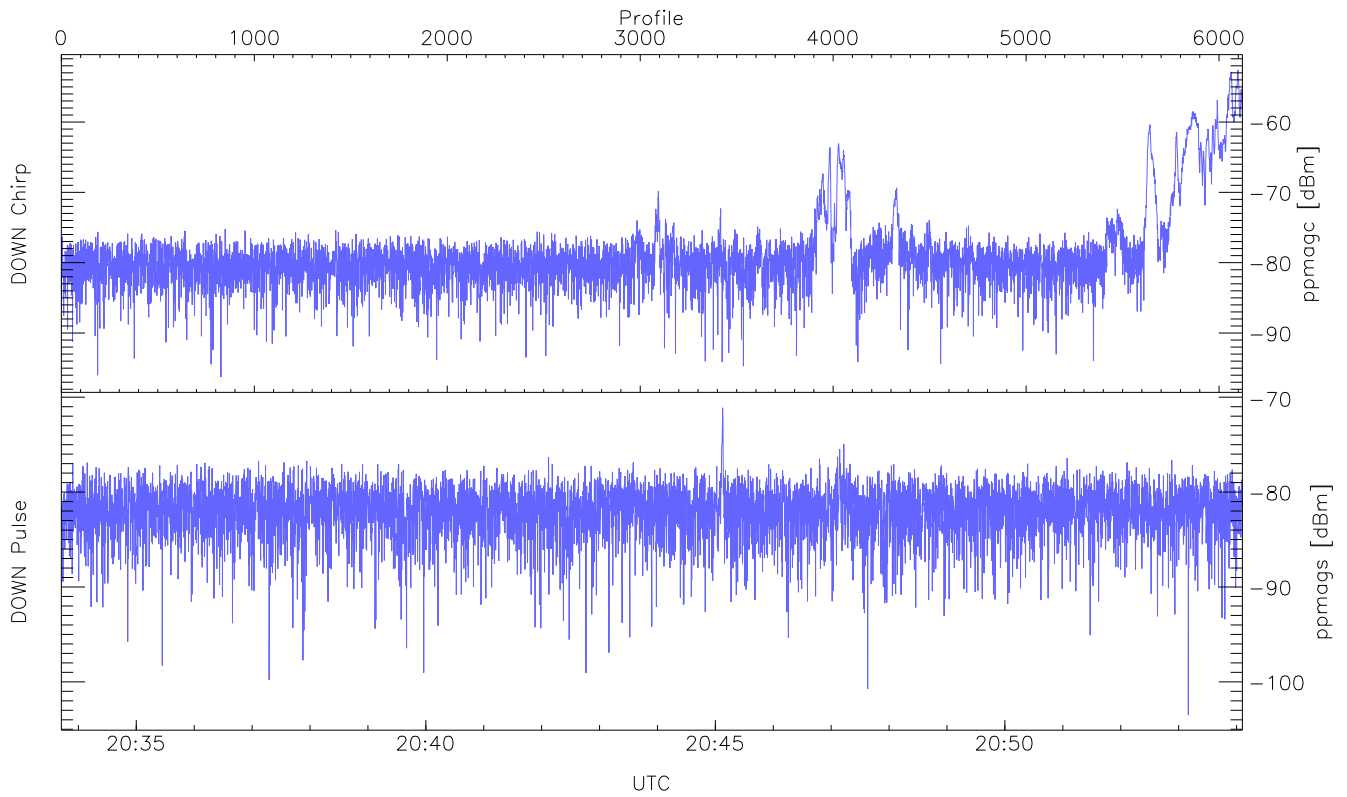
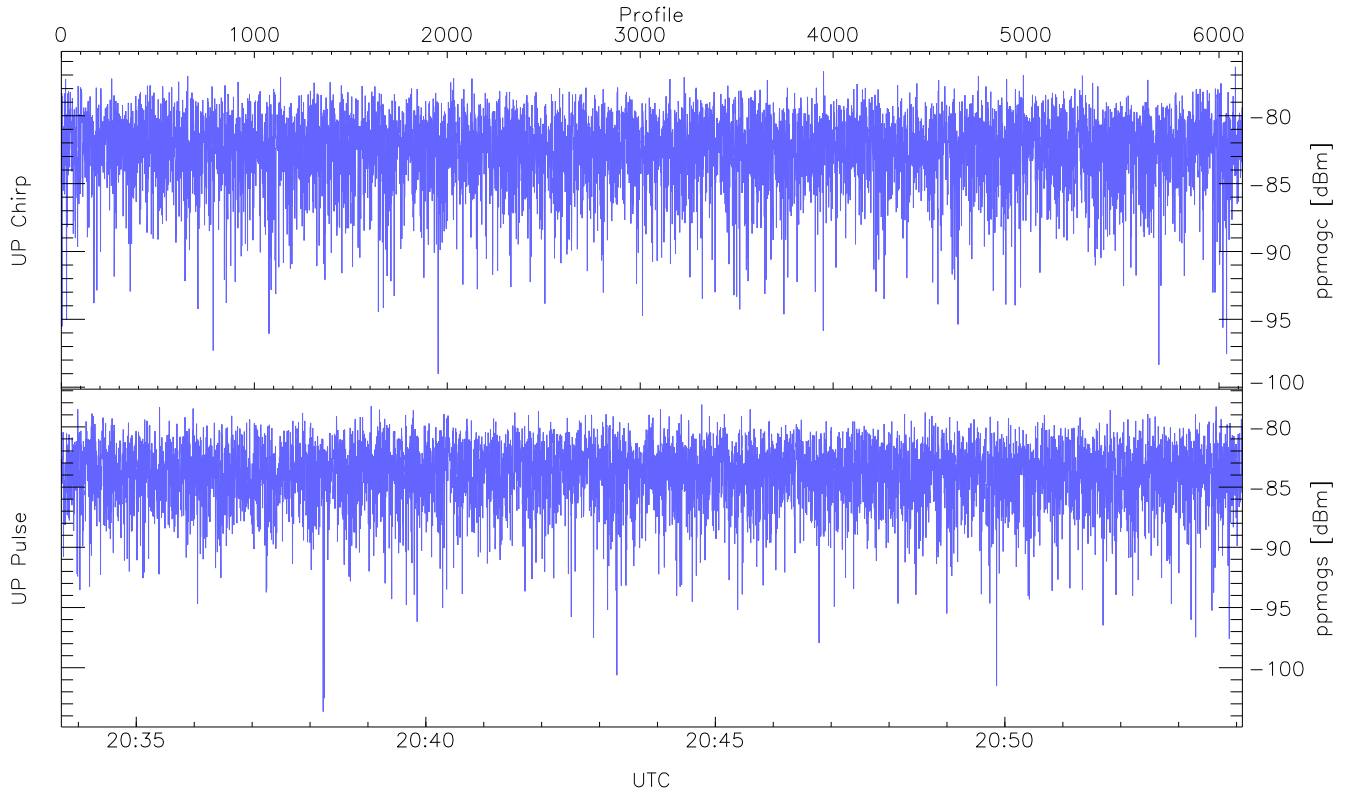
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-40.04	40.06	-0.07	-0.16	23.00
UP_P_RG47_0	-40.04	40.06	-0.05	-0.21	22.76
DOWN_C_RM_0	-40.05	40.05	-0.11	-0.36	22.95
DOWN_P_RM_0	-40.02	40.06	0.18	0.29	22.80



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

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

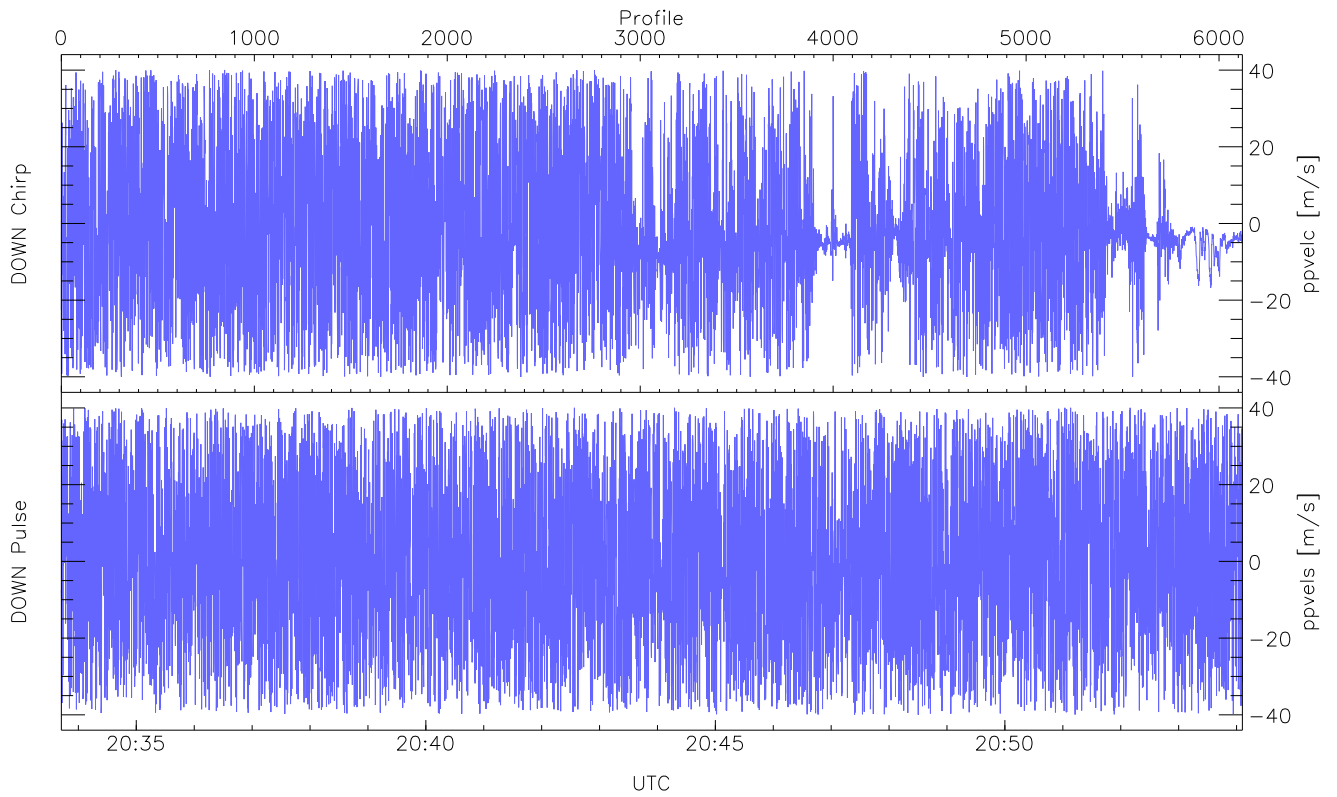
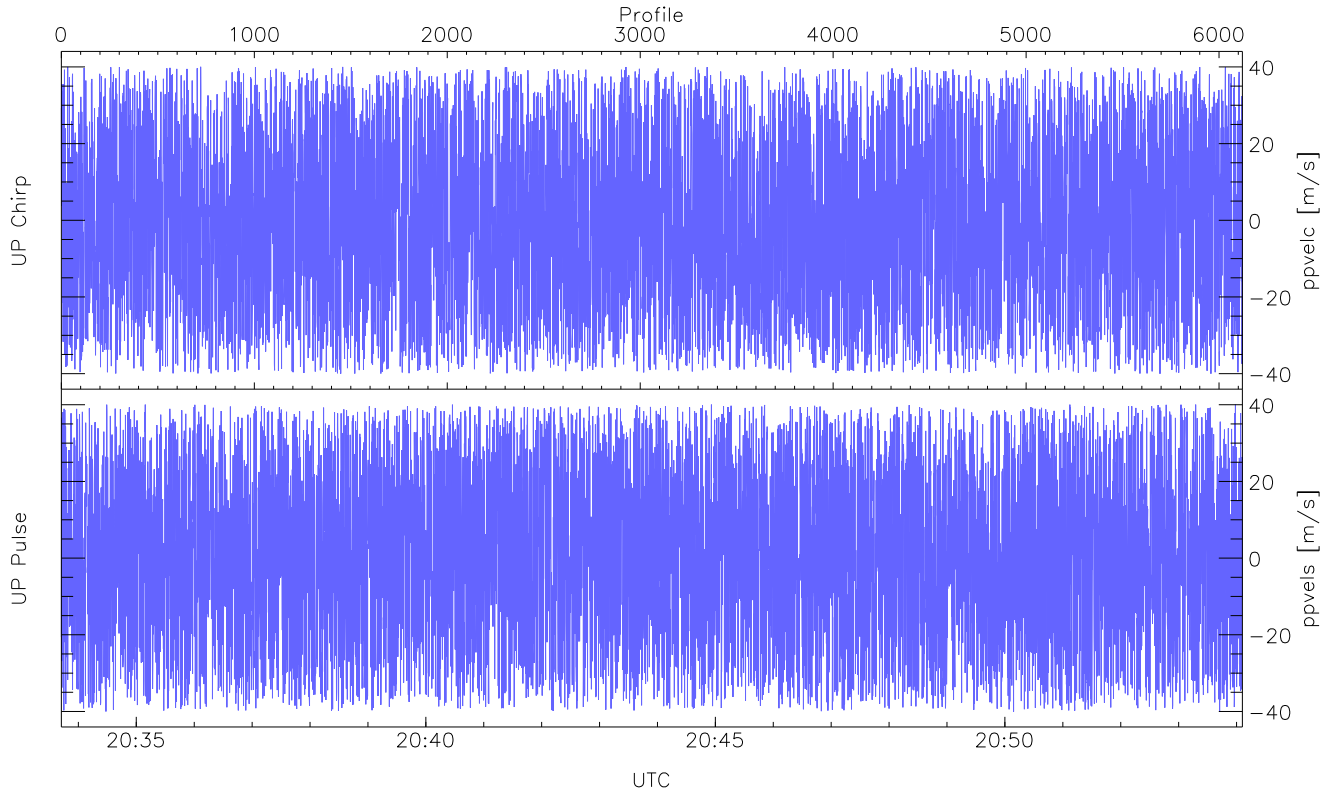
	Min	Max	Mean
UP Chirp(dBm)	-66.89	-66.10	-66.46
UP Pulse(dBm)	-68.34	-67.57	-67.90
DOWN Chirp(dBm)	-65.19	-50.63	-63.54
DOWN Pulse(dBm)	-66.42	-64.72	-65.98



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

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

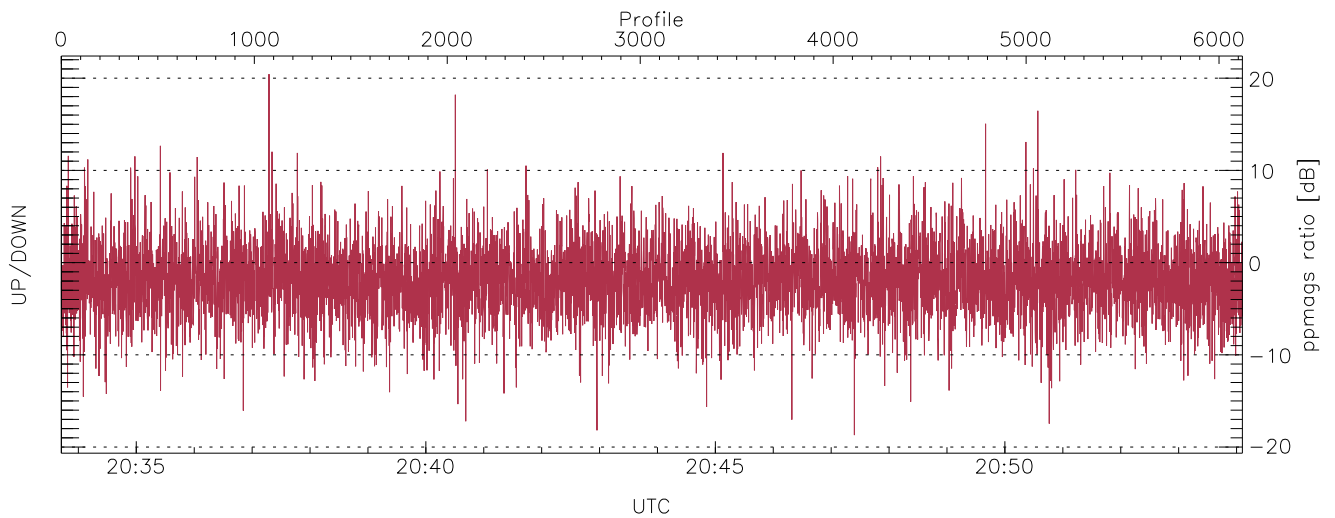
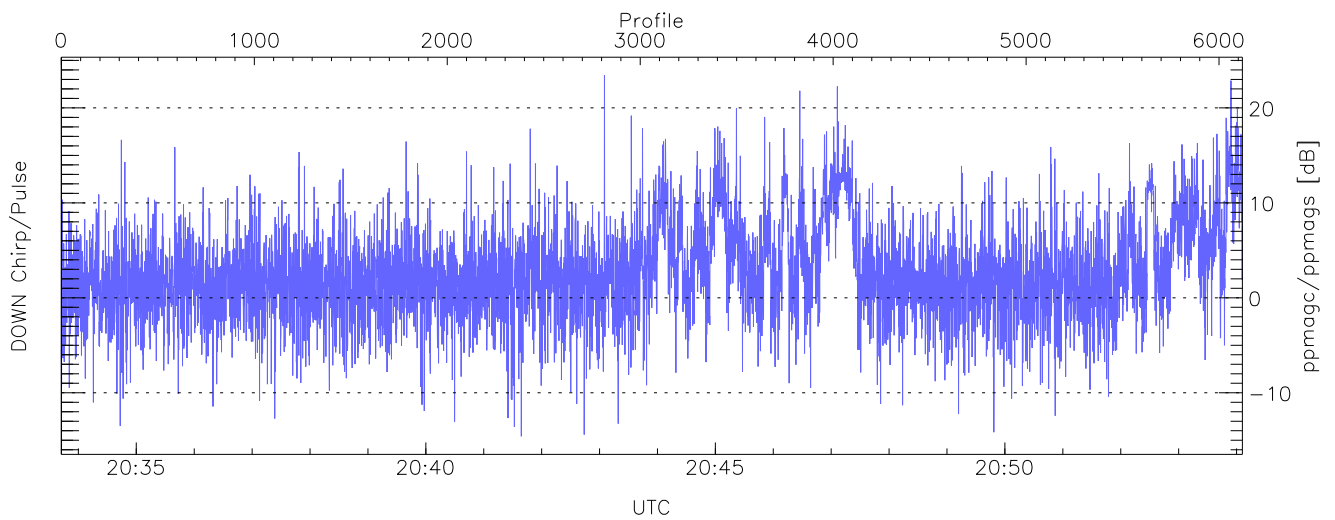
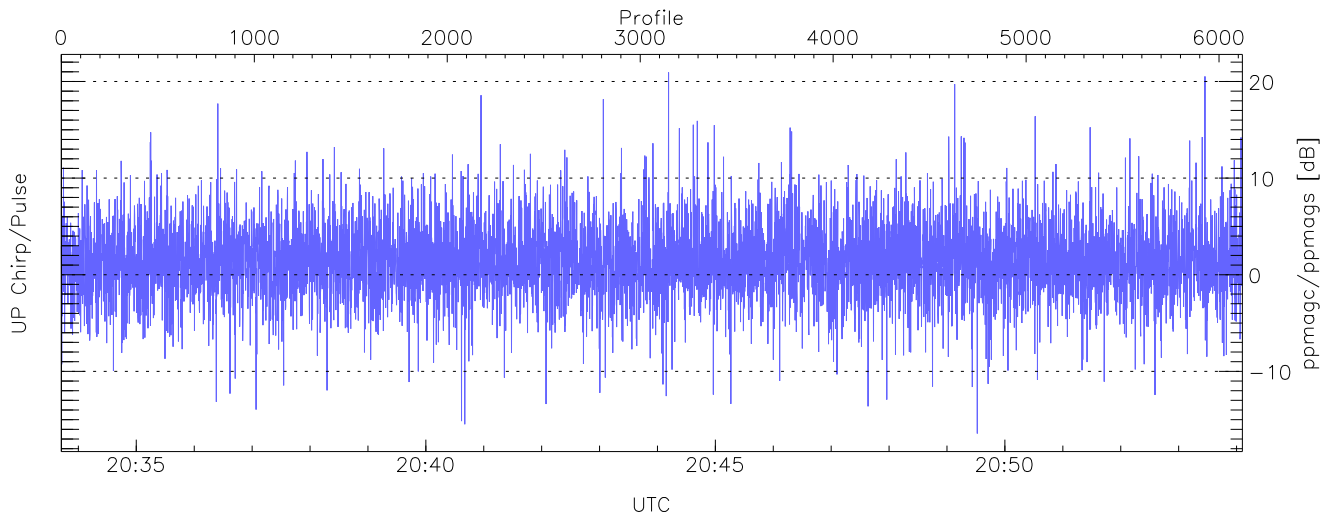
	Min	Max	Mean
UP Chirp(dBm)	-99.01	-76.39	-81.90
UP Pulse(dBm)	-103.64	-78.14	-83.30
DOWN Chirp(dBm)	-96.26	-52.59	-71.18
DOWN Pulse(dBm)	-103.47	-71.11	-81.35



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)	-40.05	40.04	-0.05
UP Pulse(m/s)	-40.04	40.06	0.26
DOWN Chirp(m/s)	-40.06	40.04	-1.39
DOWN Pulse(m/s)	-40.00	40.06	0.19



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-16.43	20.93	3.31
DOWN Chirp/Pulse(dBm)	-14.59	23.44	5.83
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-18.71	20.45	0.04