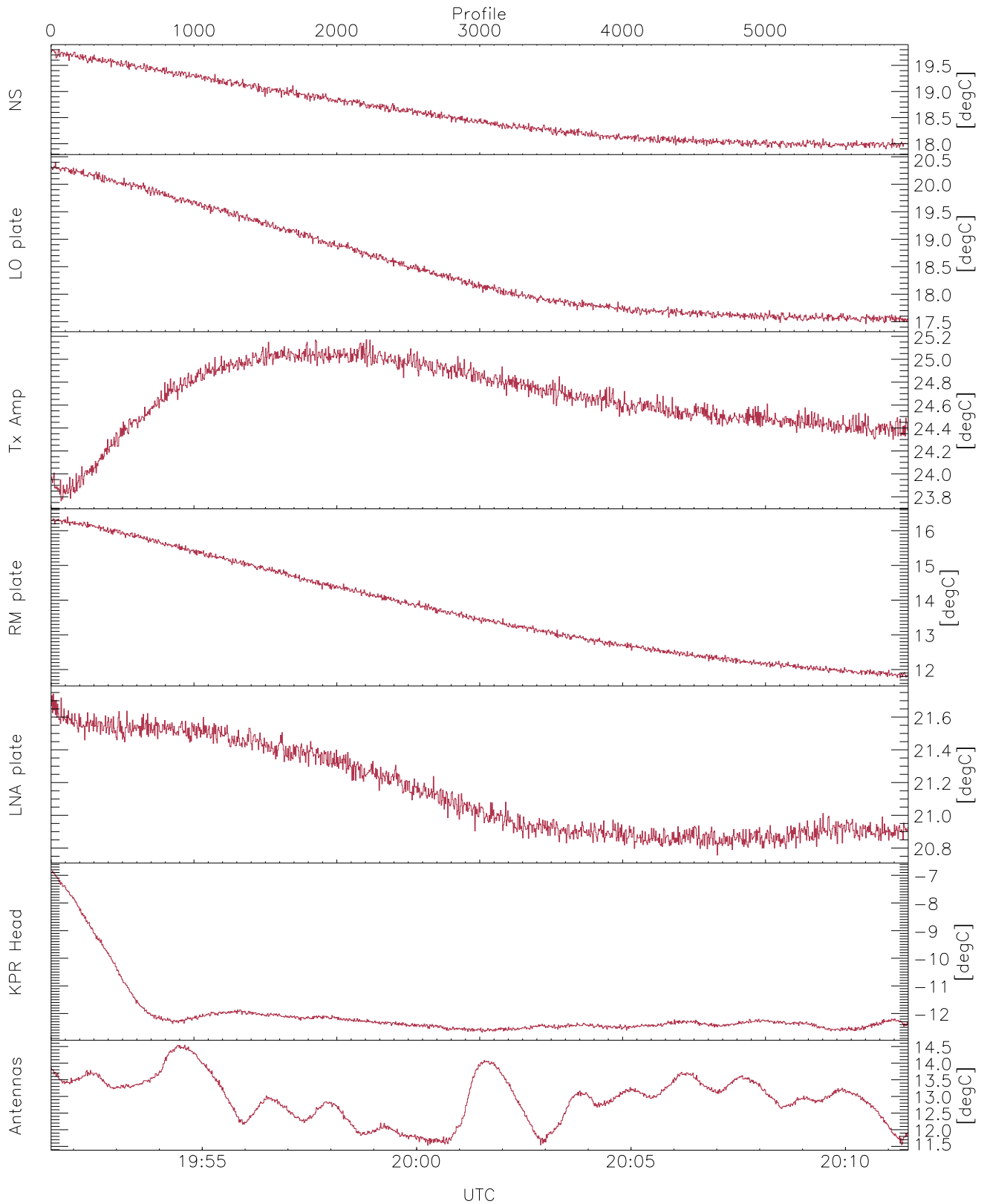


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF  
 UTC: 19:51:29-20:24:29, TimeCor: 0.00s, Dur: 1199.32s  
 TimeInt(min,max,mn,std): 199.5,200.3,199.9,0.0 ms; PPS: 5.0  
 NumRec(r/t): 6000/9908, 0-5999/19:51:29-20:11:28  
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s  
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 MHz  
 PRF: 19.0 KHz, avrgPulses: 1904, avrgPP: 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

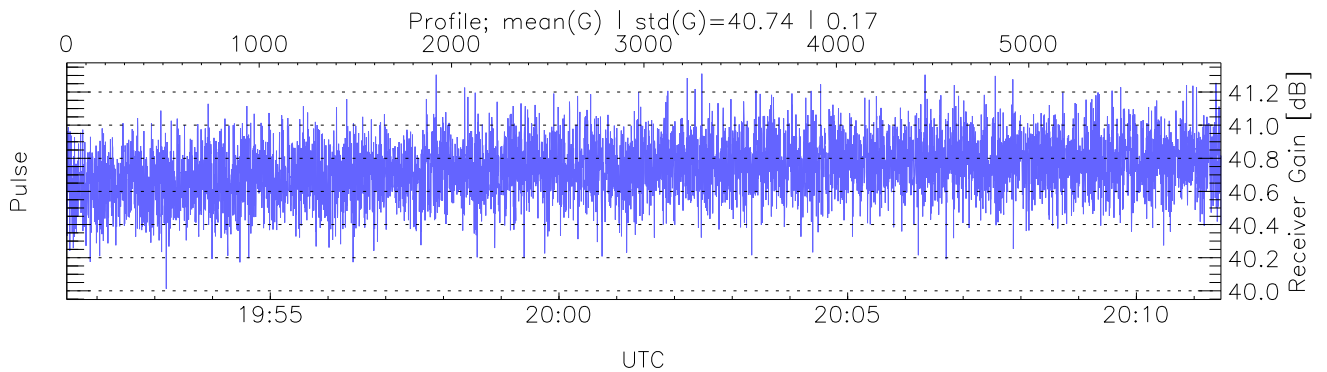
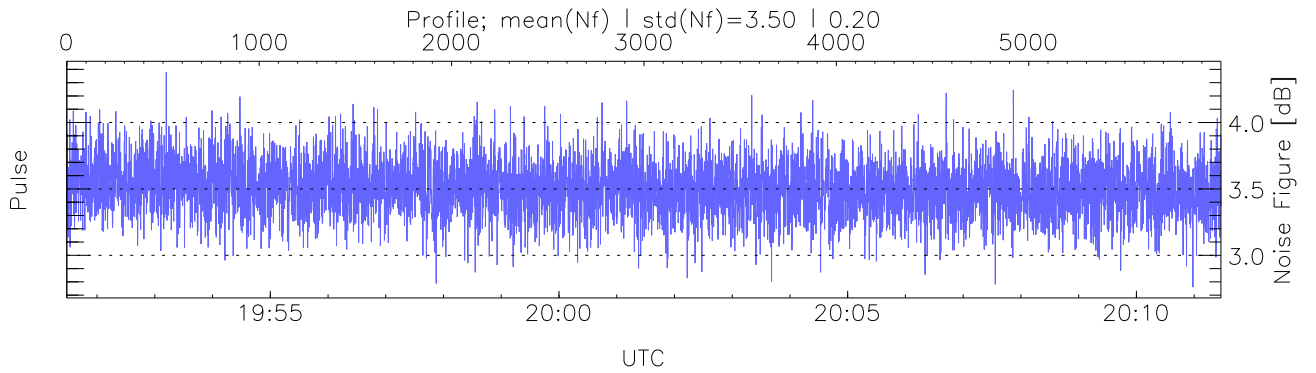
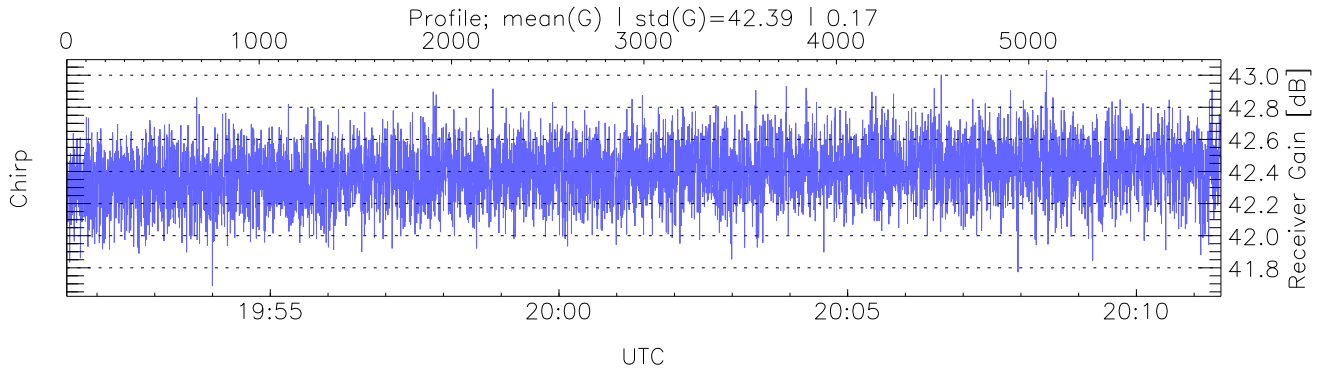
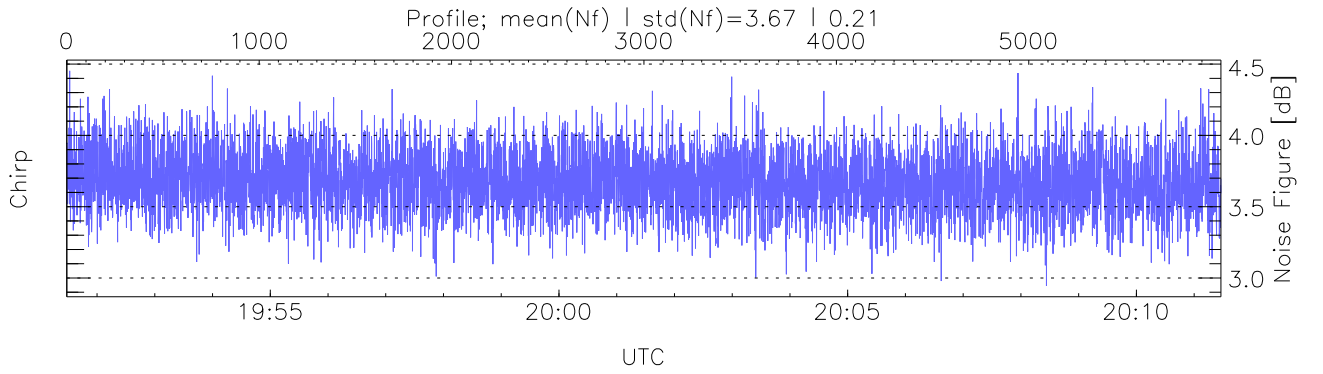


KPR SPP Temperatures, Power Supplies, PLO lock:

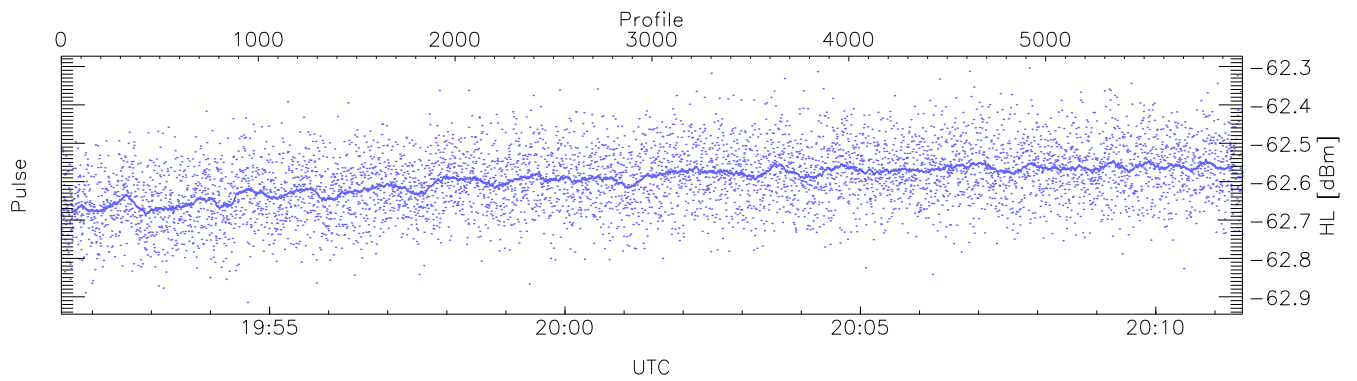
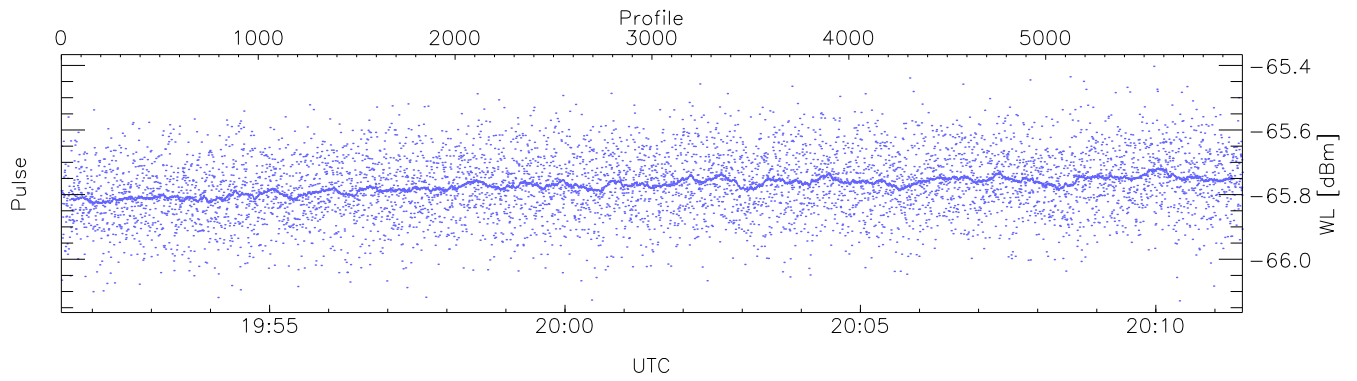
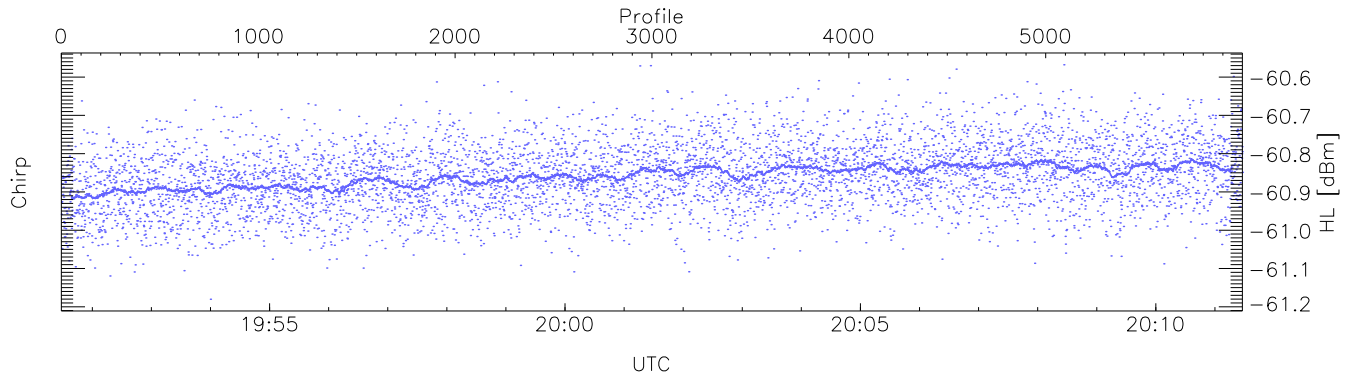
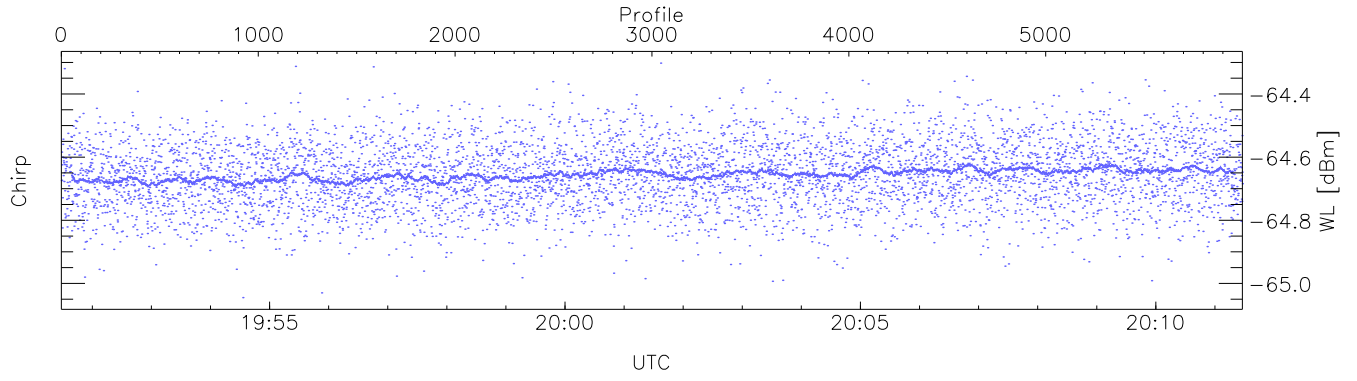
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	17.9,	17.5,	23.8,	11.8,	20.8,	-12.7,	11.5
maxtempC:	19.8,	20.4,	25.2,	16.4,	21.7,	-6.8,	14.5
meantempC:	18.6,	18.5,	24.7,	13.7,	21.1,	-12.0,	12.9

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.69,	11.66,	7.87,	5.21
maxVDC:	27.75,	11.73,	7.90,	5.23
meanVDC:	26.94,	11.69,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

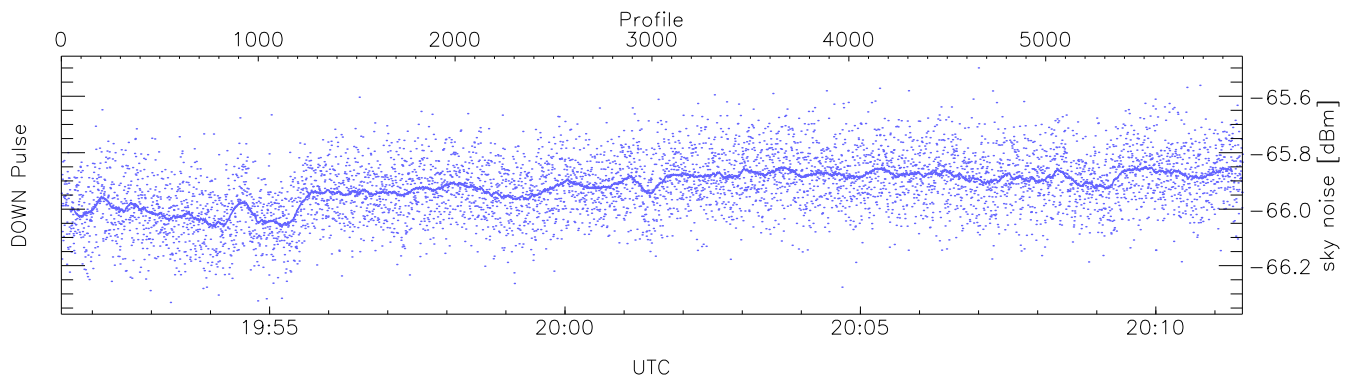
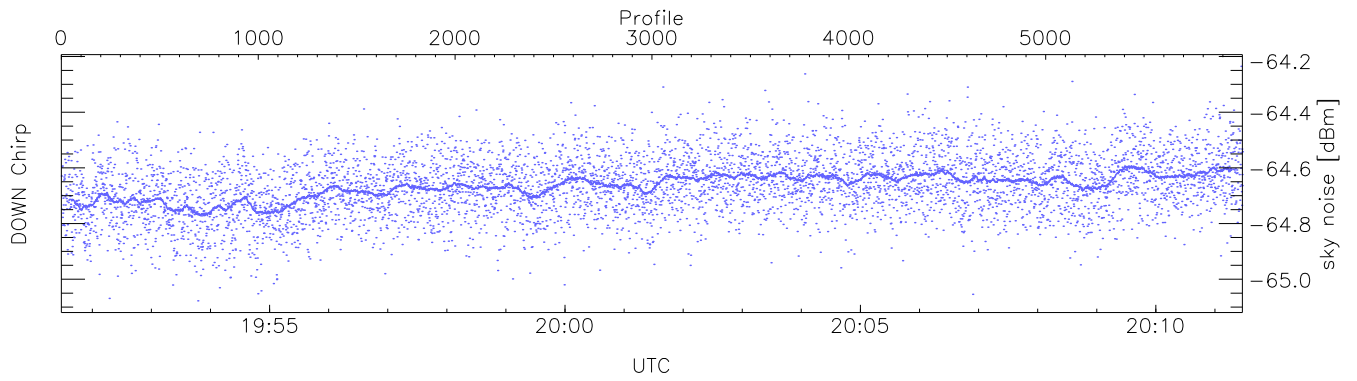
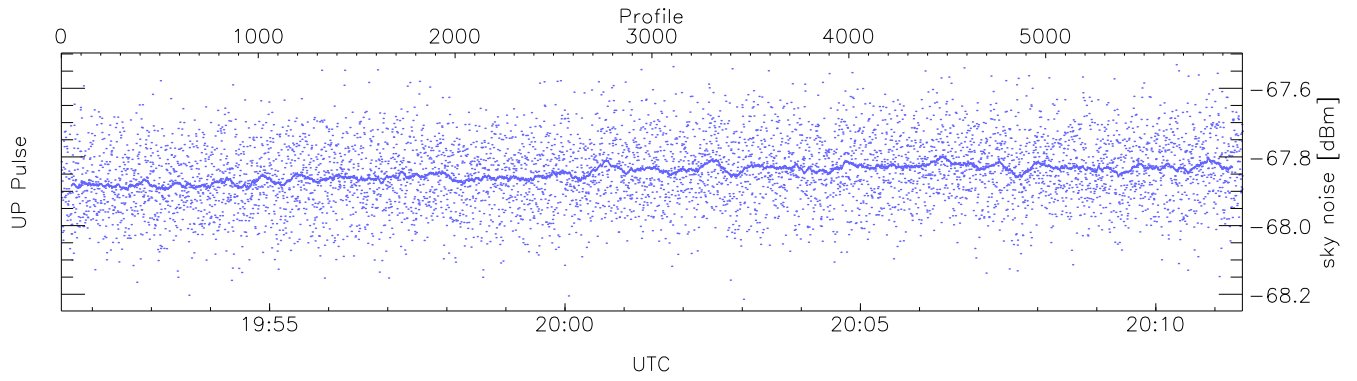
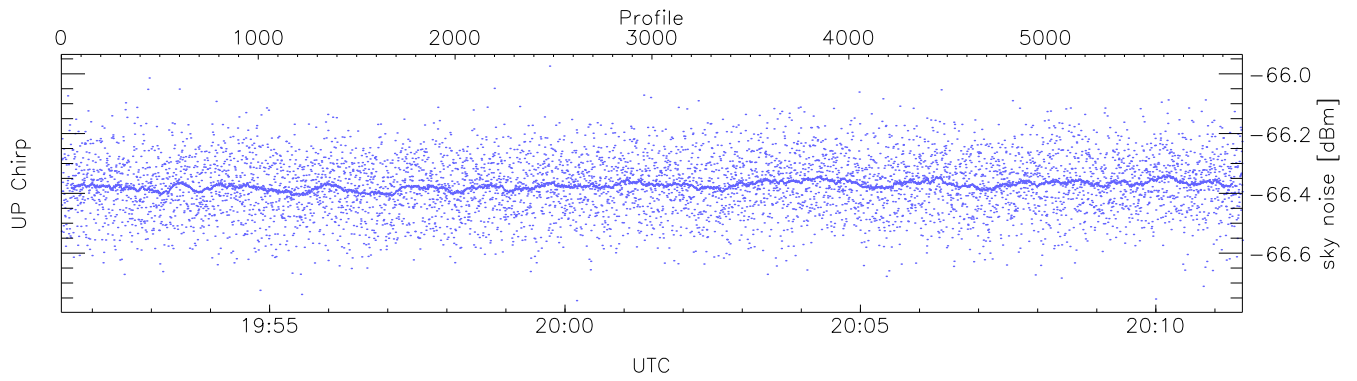


KPR SPP Receiver Gain and Noise Figure



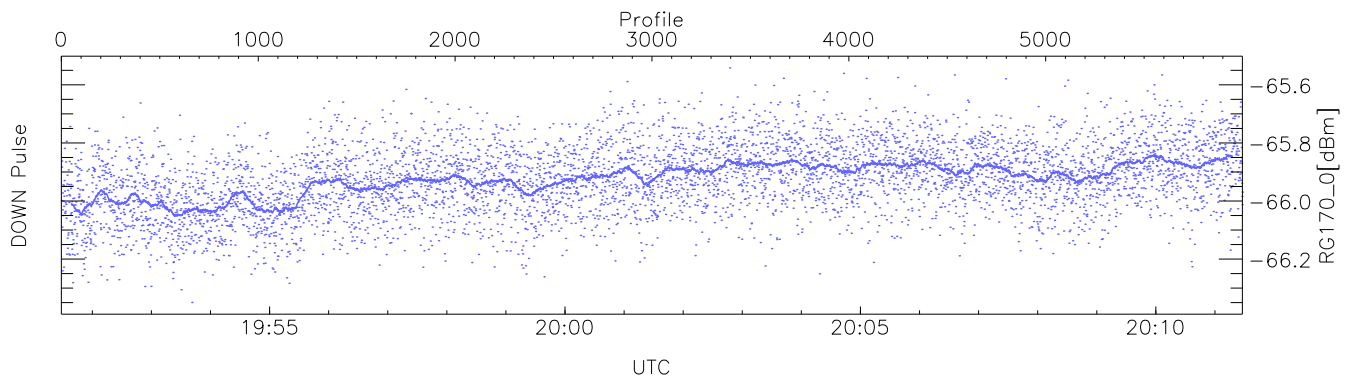
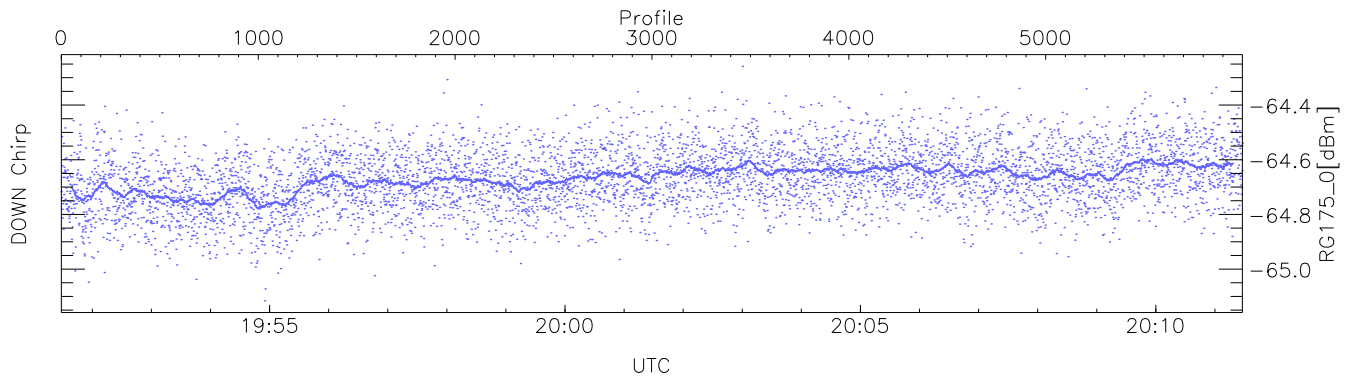
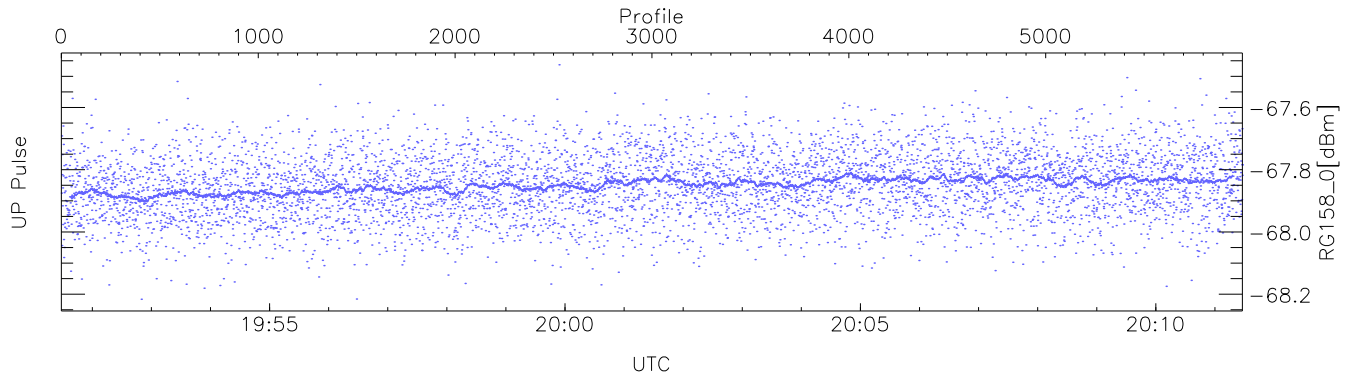
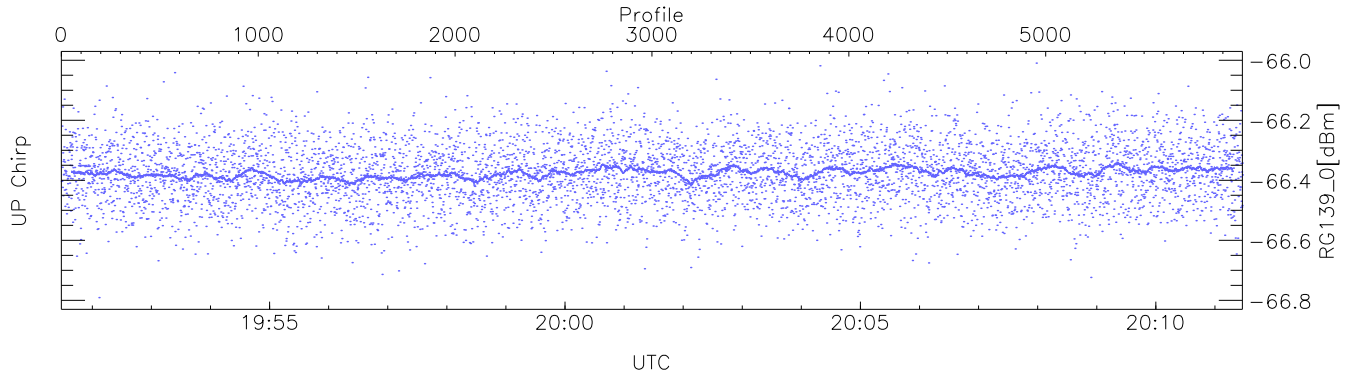
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.05	-64.30	-64.66	-64.66	-81.02
Chirp(HL [dBm])	-61.18	-60.57	-60.86	-60.86	-78.09
Pulse(WL [dBm])	-66.13	-65.40	-65.77	-65.77	-82.04
Pulse(HL [dBm])	-62.91	-62.30	-62.60	-62.60	-79.67



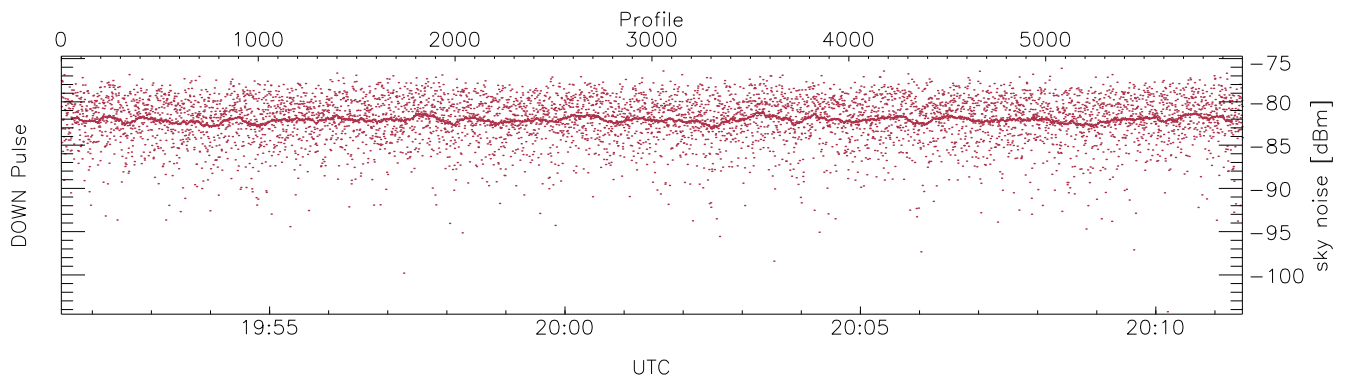
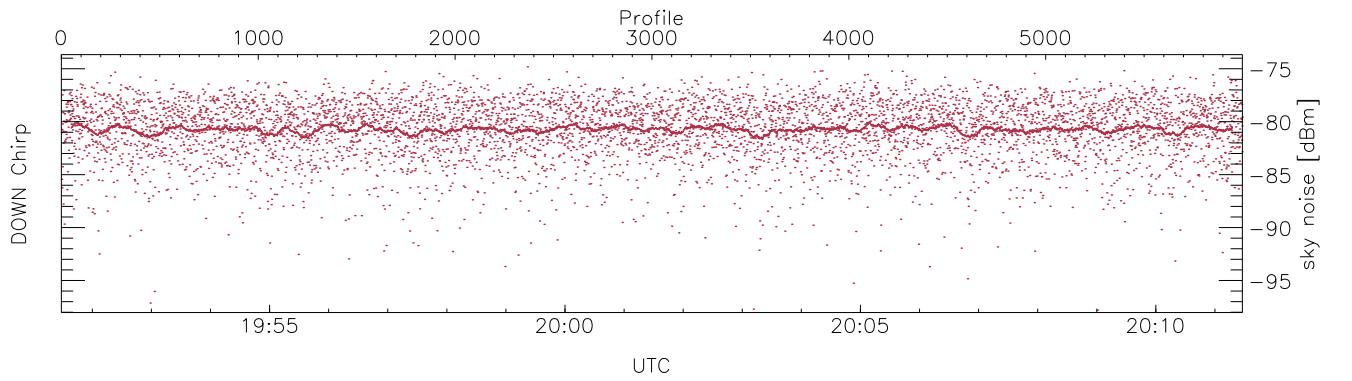
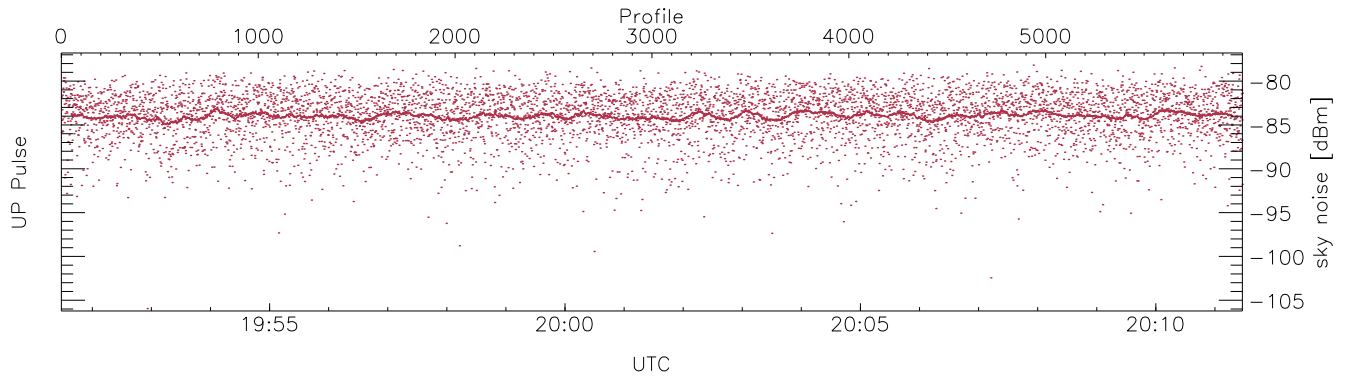
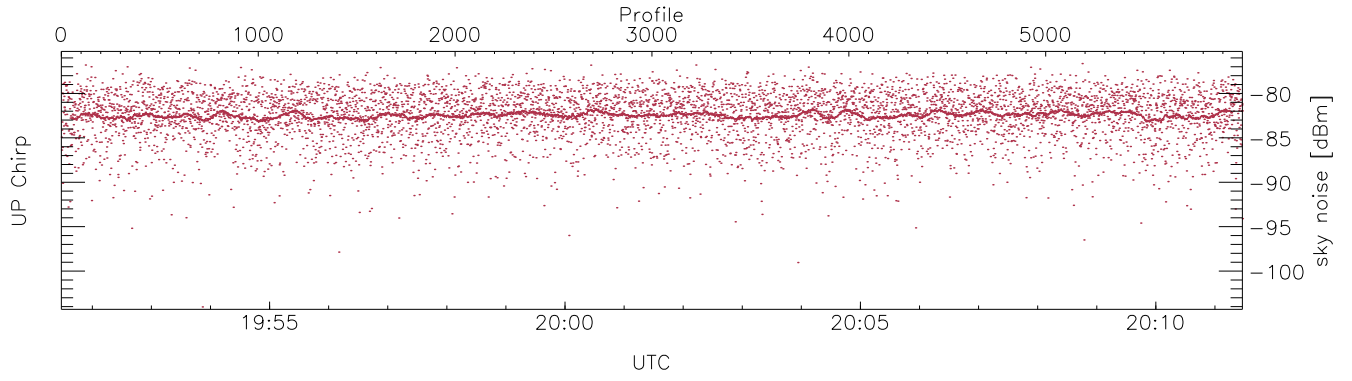
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.76	-65.97	-66.37	-66.37	-82.67
UP Pulse(dBm)	-68.21	-67.53	-67.85	-67.85	-84.12
DOWN Chirp(dBm)	-65.08	-64.24	-64.66	-64.67	-80.71
DOWN Pulse(dBm)	-66.33	-65.50	-65.92	-65.92	-81.72



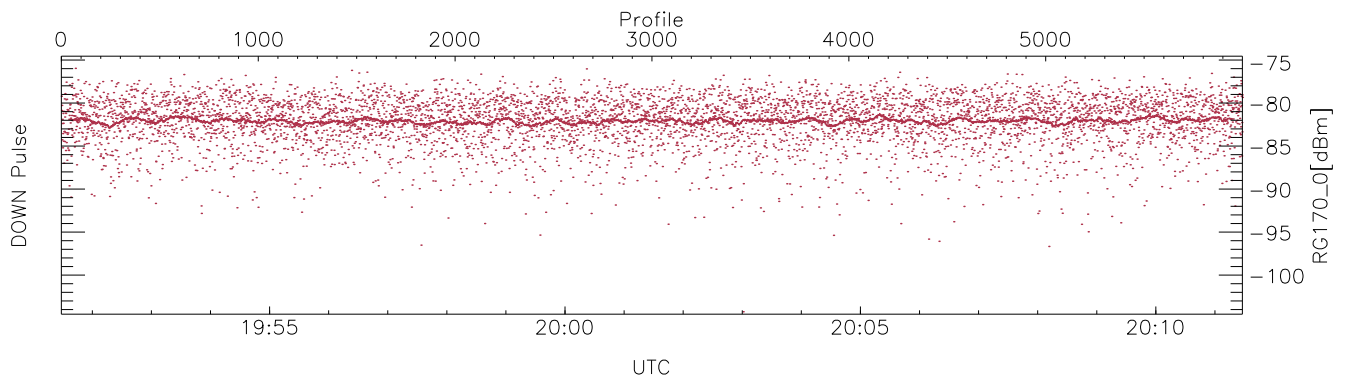
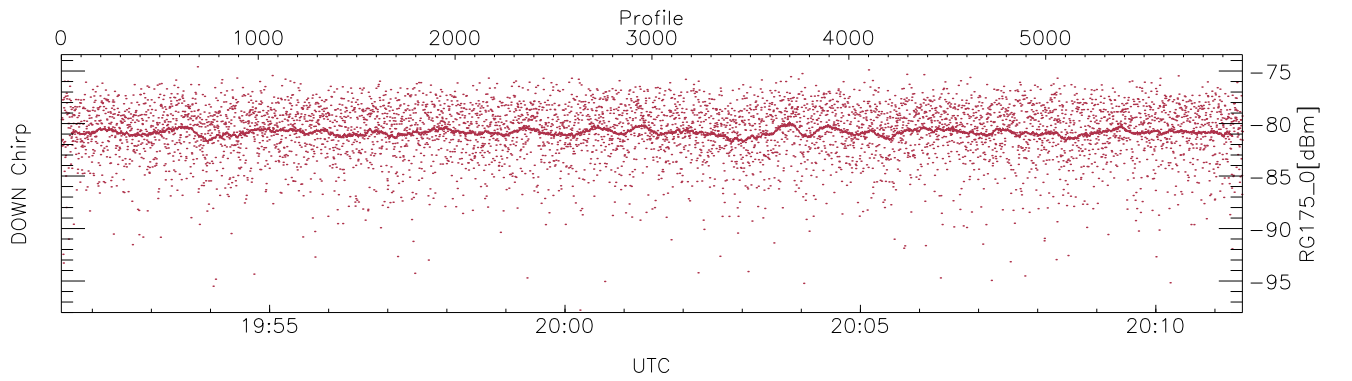
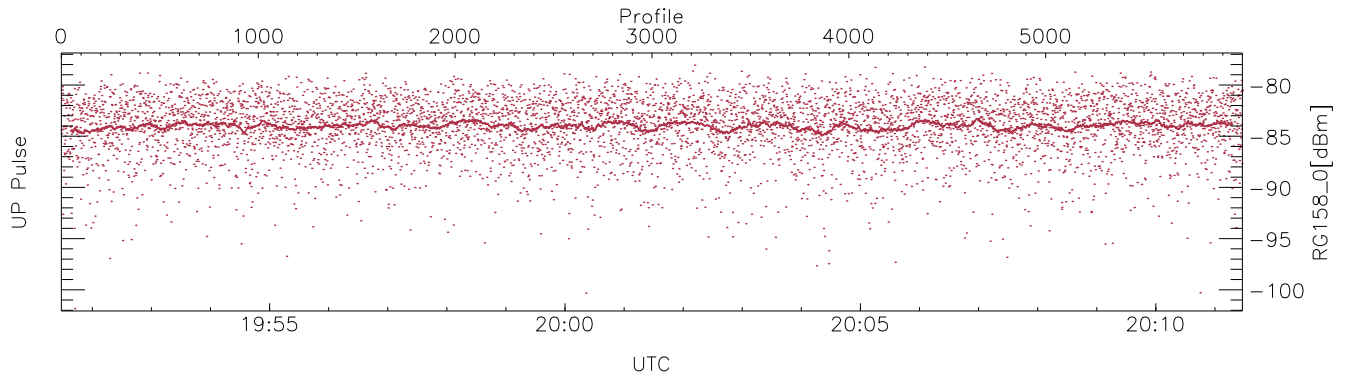
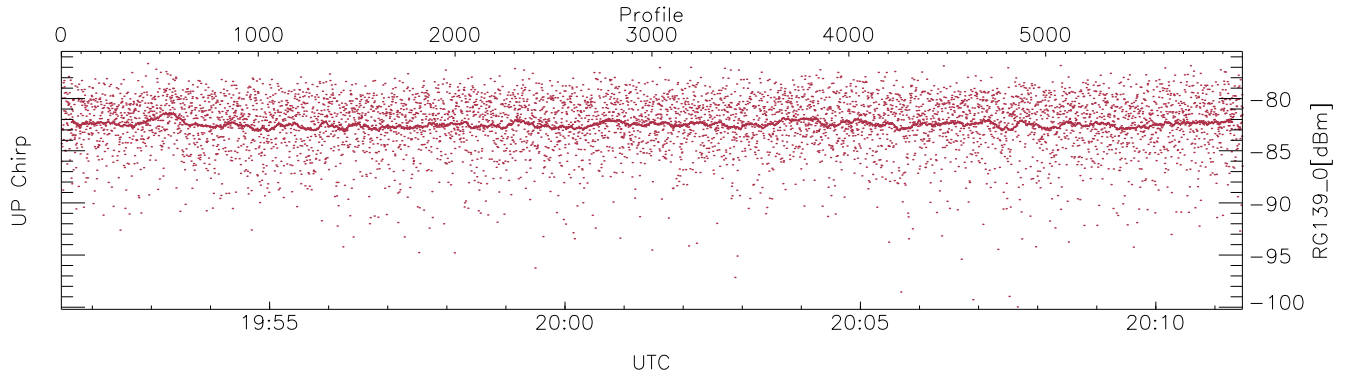
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG139_0	-66.79	-66.01	-66.38	-66.38	-82.78
UP_P_RG158_0	-68.22	-67.46	-67.85	-67.85	-84.18
DOWN_C_RG175_0	-65.12	-64.26	-64.67	-64.67	-80.71
DOWN_P_RG170_0	-66.35	-65.54	-65.92	-65.92	-81.66



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

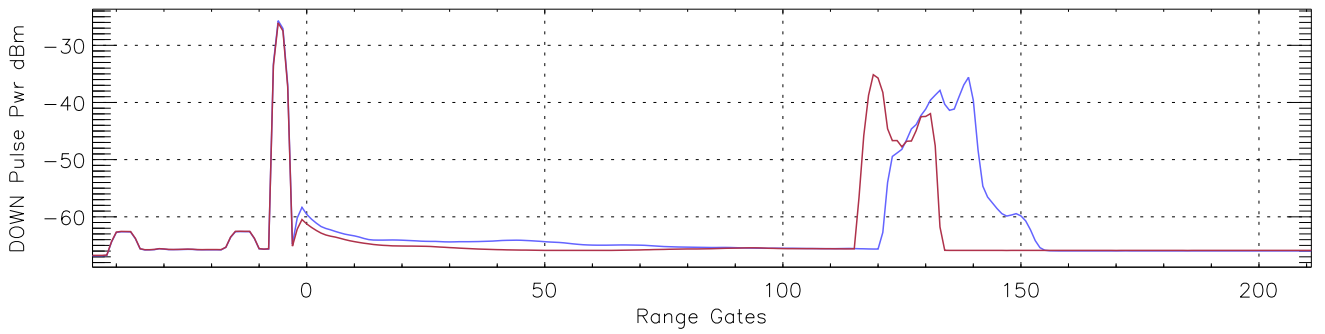
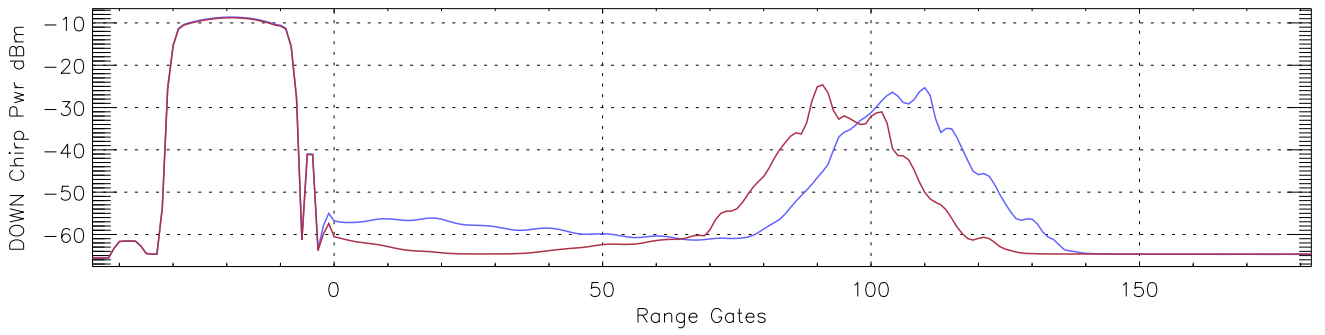
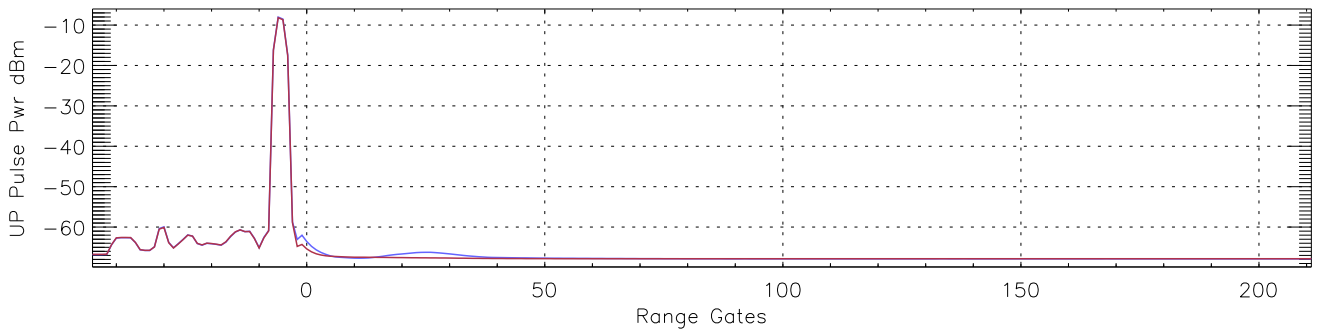
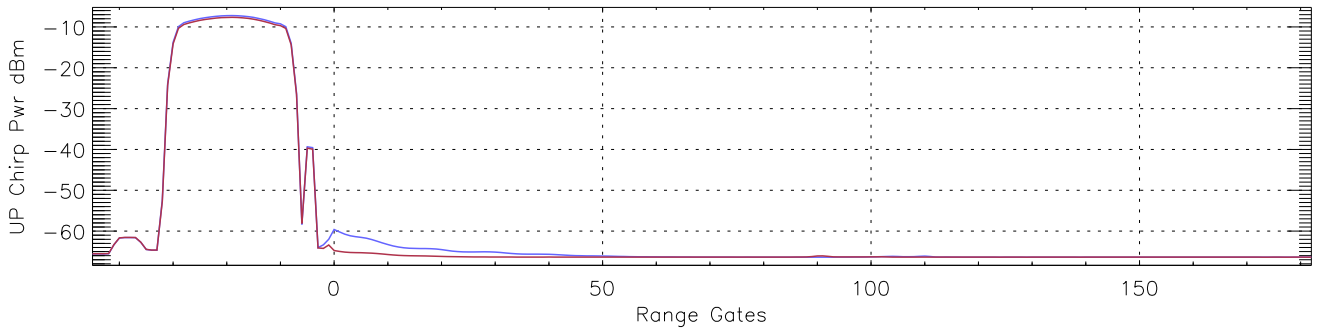
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-104.04	-76.64	-81.77	-82.02	-84.60
UP Pulse(dBm)	-105.94	-78.18	-83.25	-83.53	-86.01
DOWN Chirp(dBm)	-97.80	-74.81	-80.03	-80.31	-82.90
DOWN Pulse(dBm)	-104.25	-76.13	-81.34	-81.65	-84.09



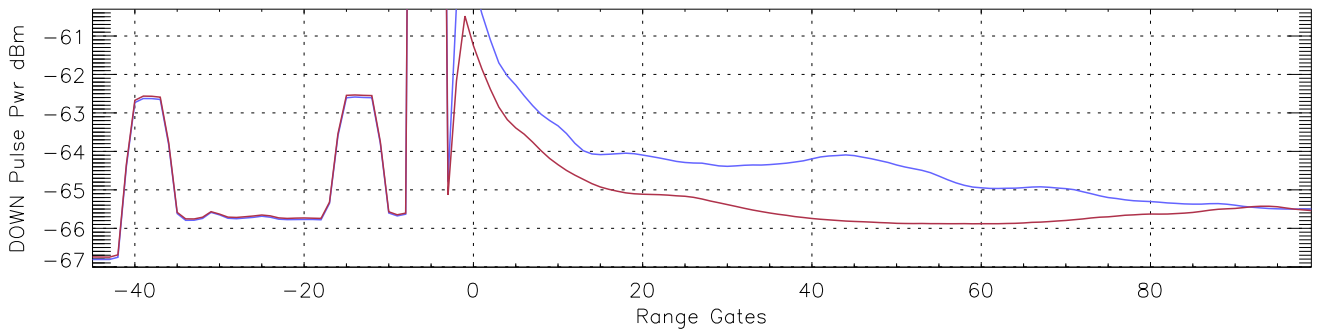
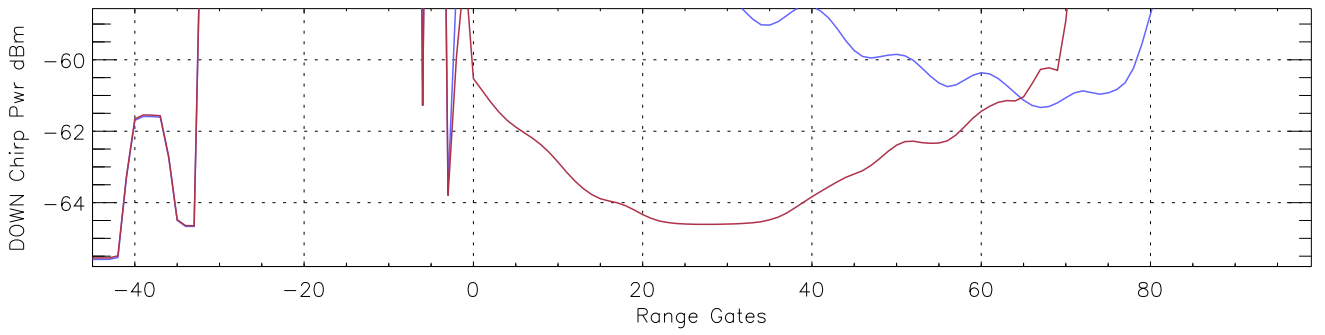
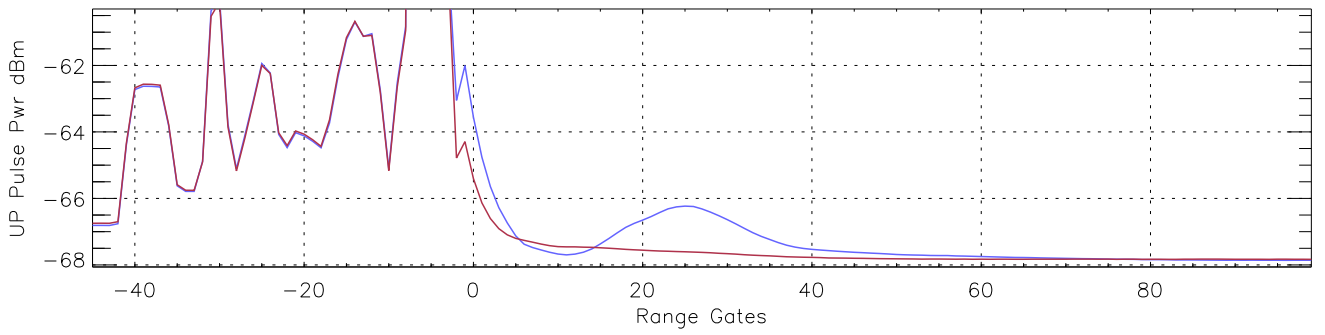
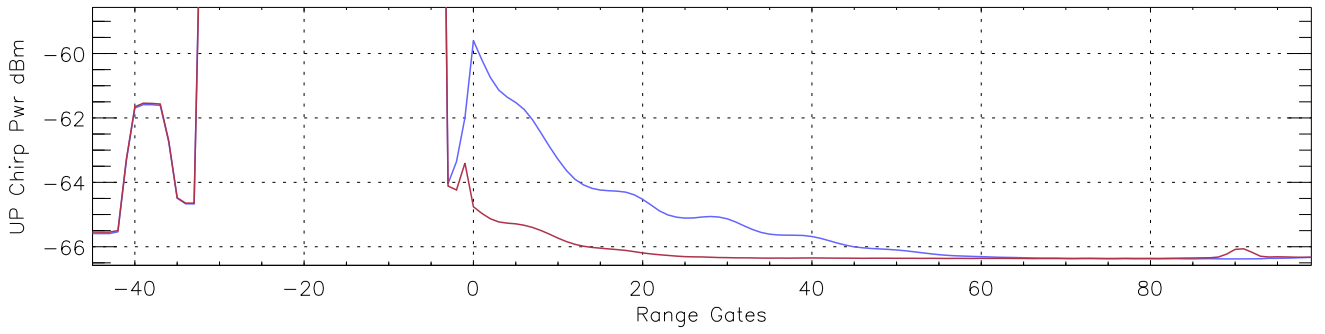
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG139_0	-99.97	-76.65	-81.76	-82.03	-84.58
UP_P_RG158_0	-101.83	-78.06	-83.28	-83.58	-86.06
DOWN_C_RG175_0	-97.77	-74.59	-80.11	-80.37	-82.90
DOWN_P_RG170_0	-104.25	-75.97	-81.36	-81.63	-84.15

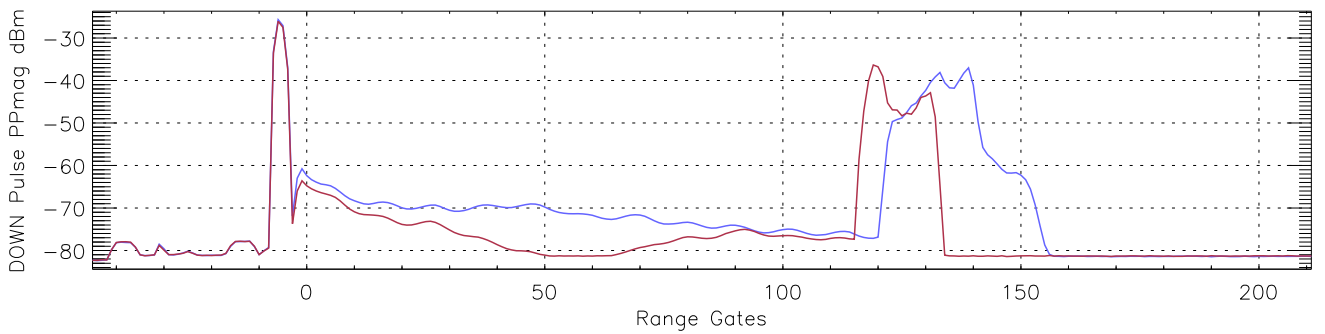
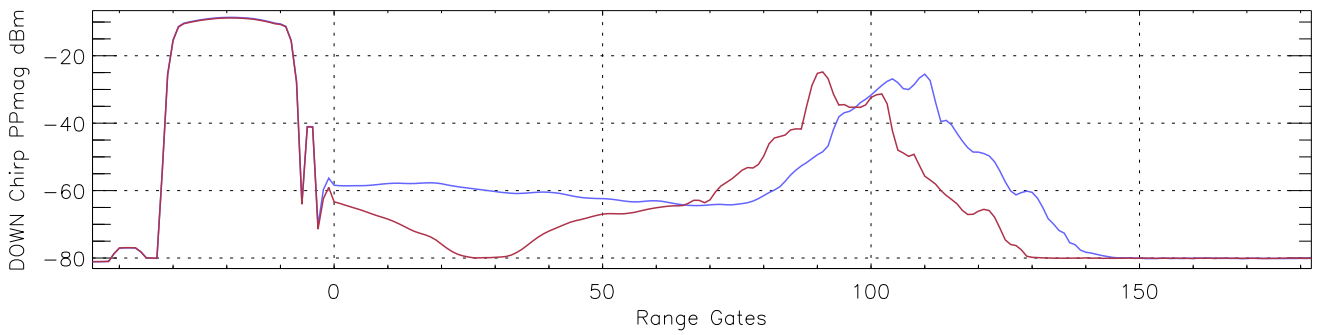
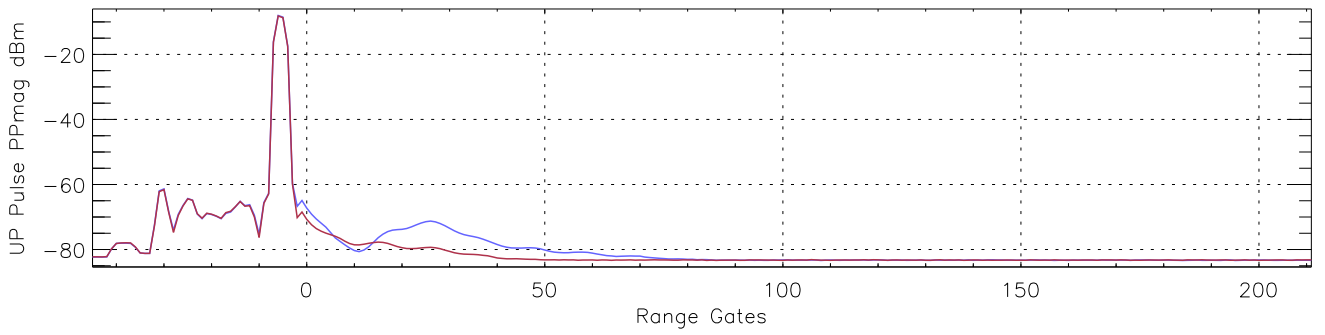
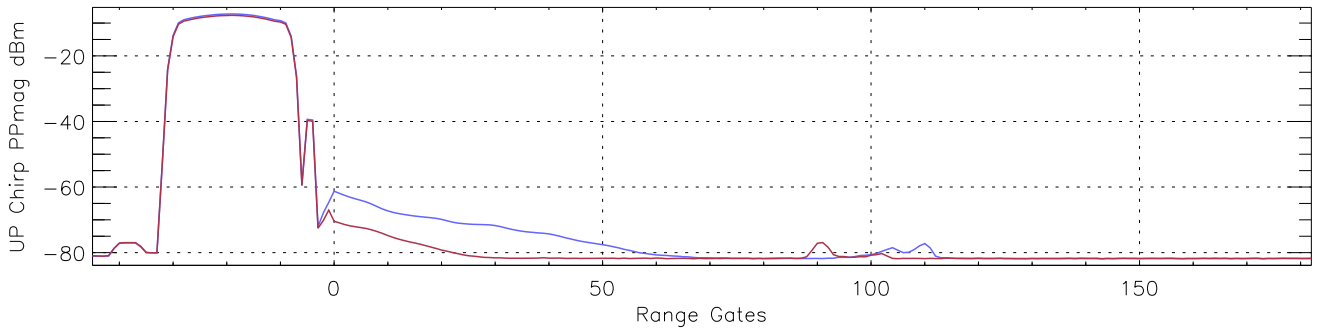




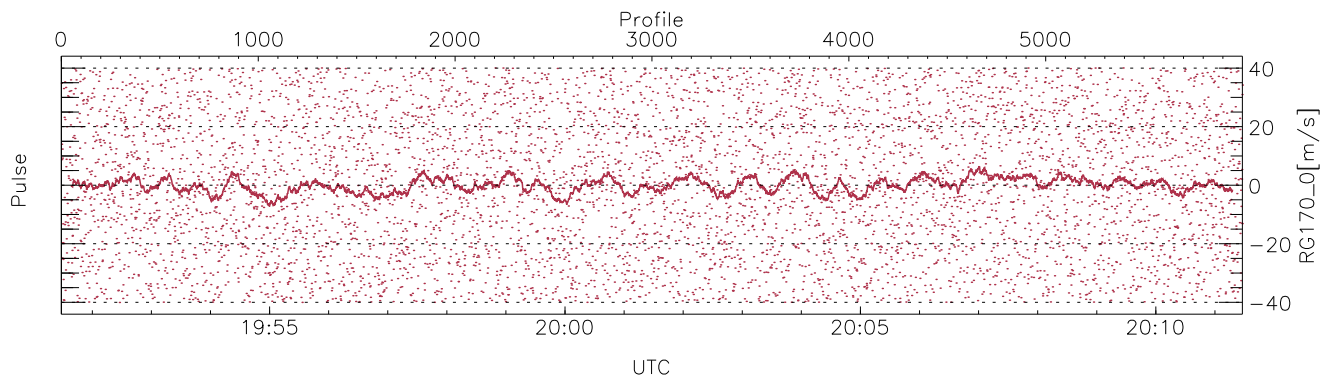
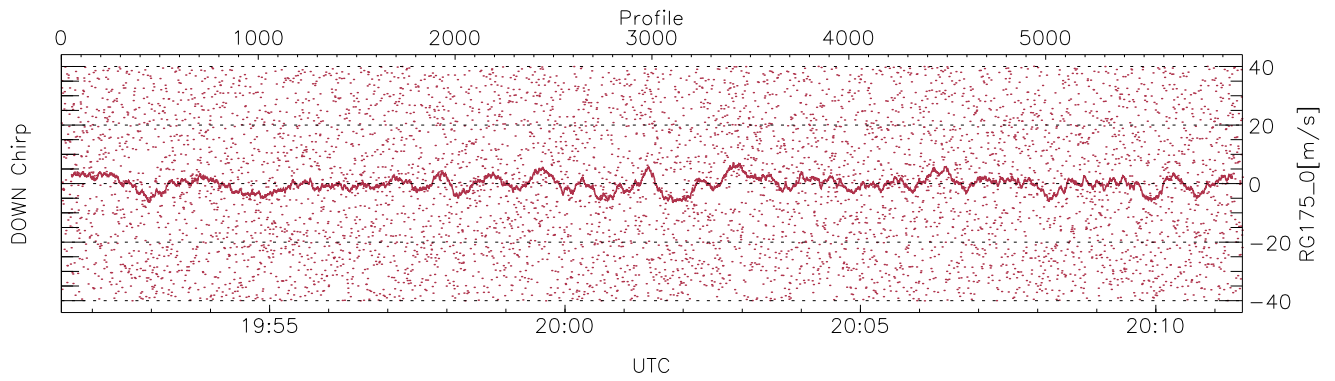
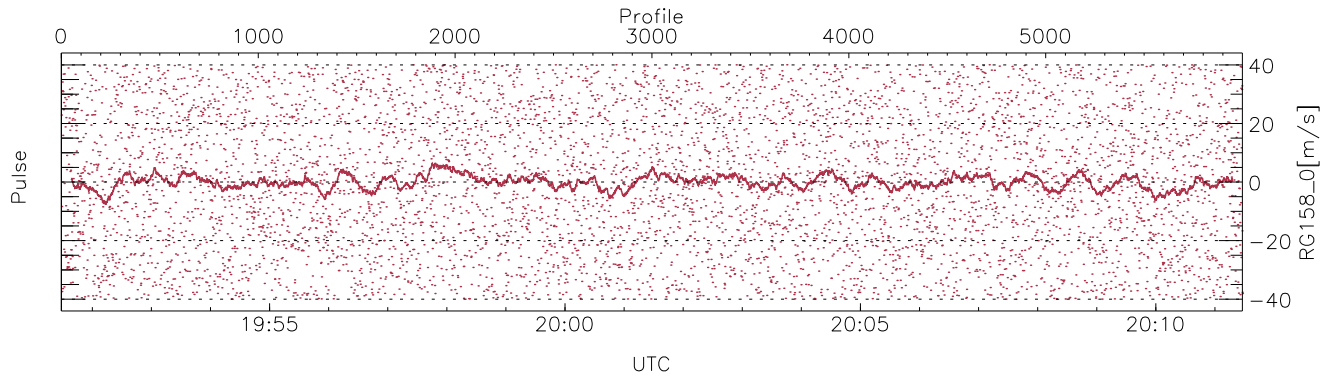
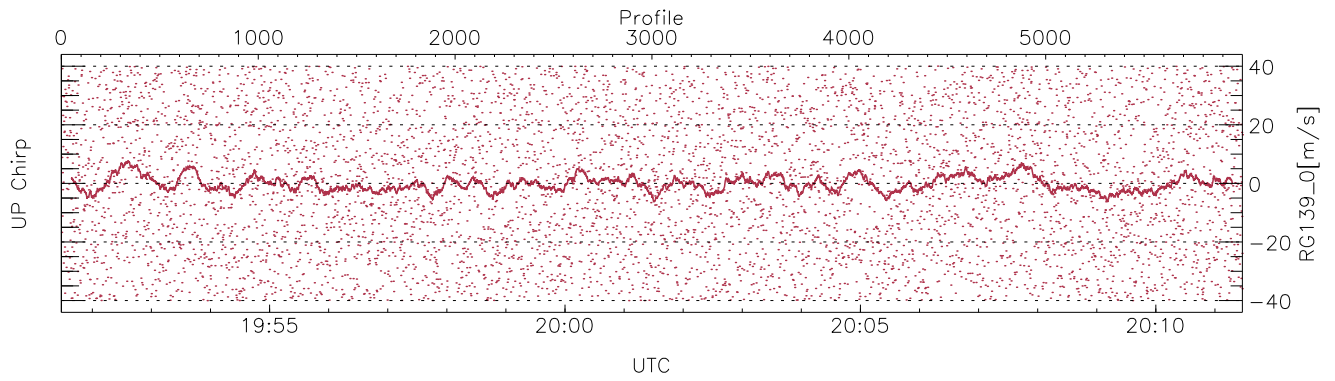
KPR SPP Averaged Received power for all recorded gates  
blue: 195129-200128, 3001 profiles averaged  
red: 200128-201128, 3000 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 195129-200128, 3001 profiles averaged  
red: 200128-201128, 3000 profiles averaged

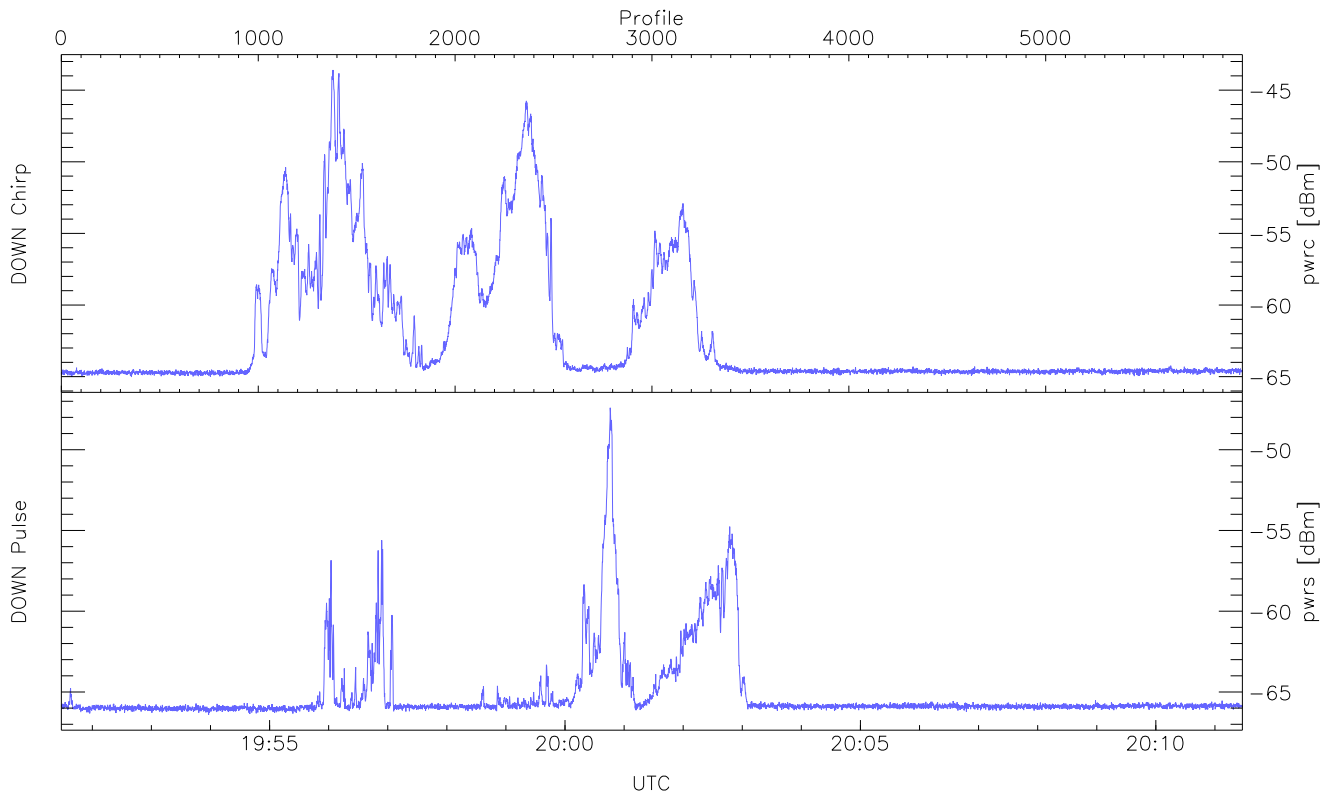
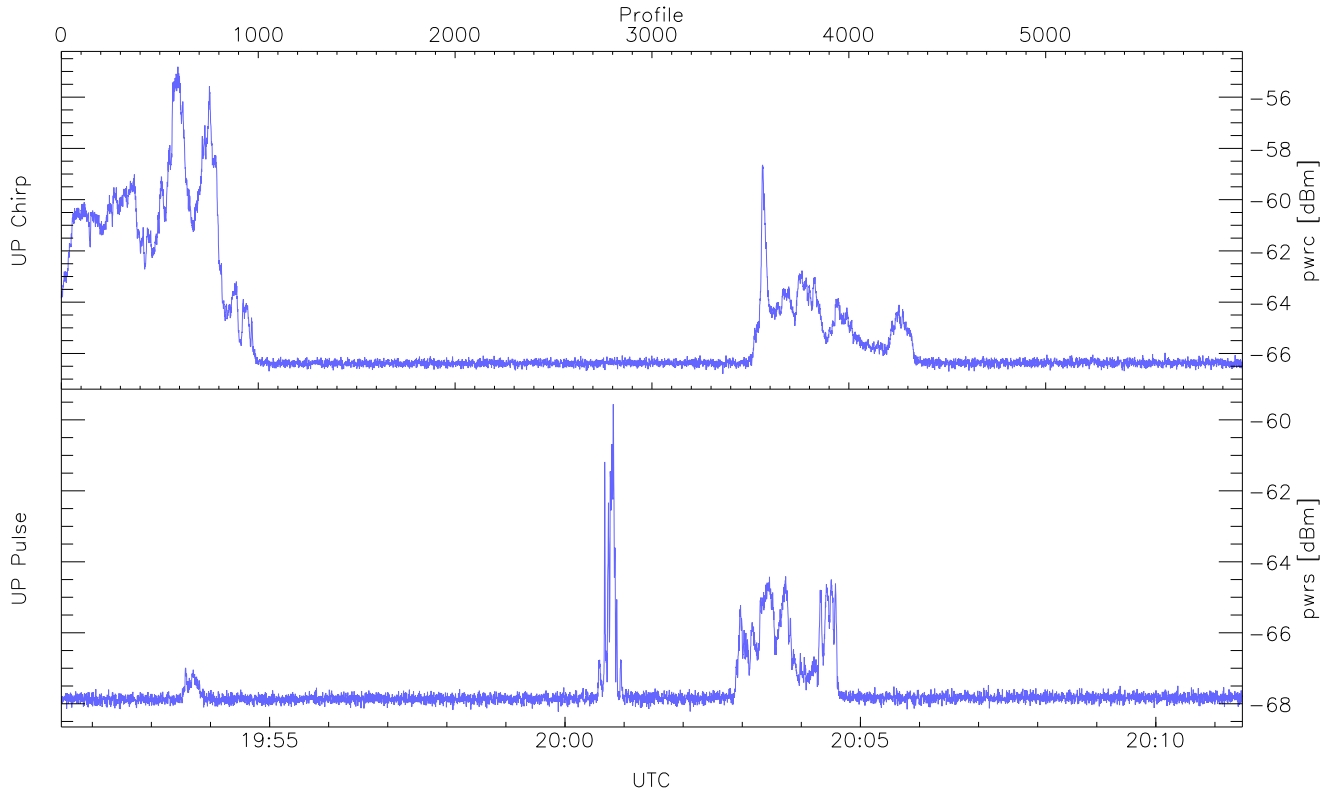


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 195129-200128, 3001 profiles averaged  
red: 200128-201128, 3000 profiles averaged



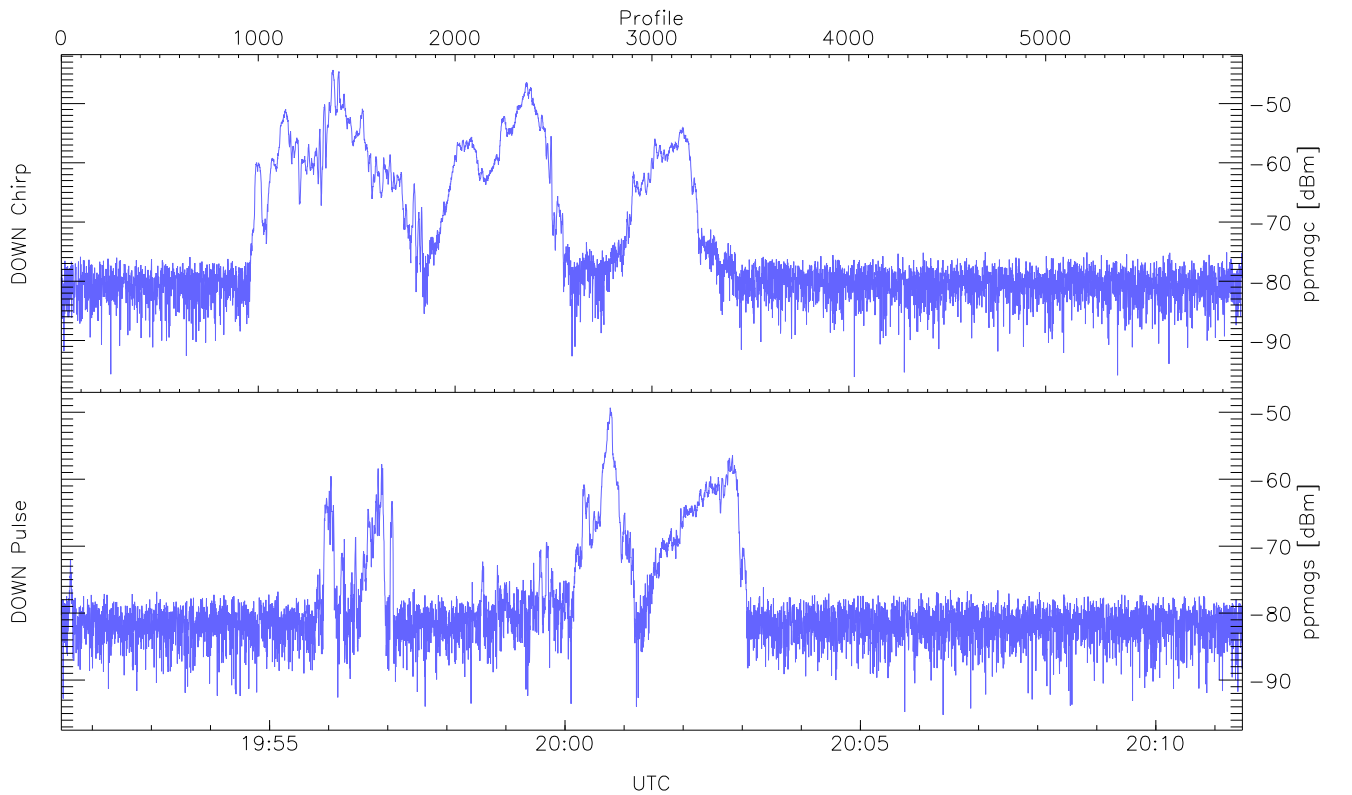
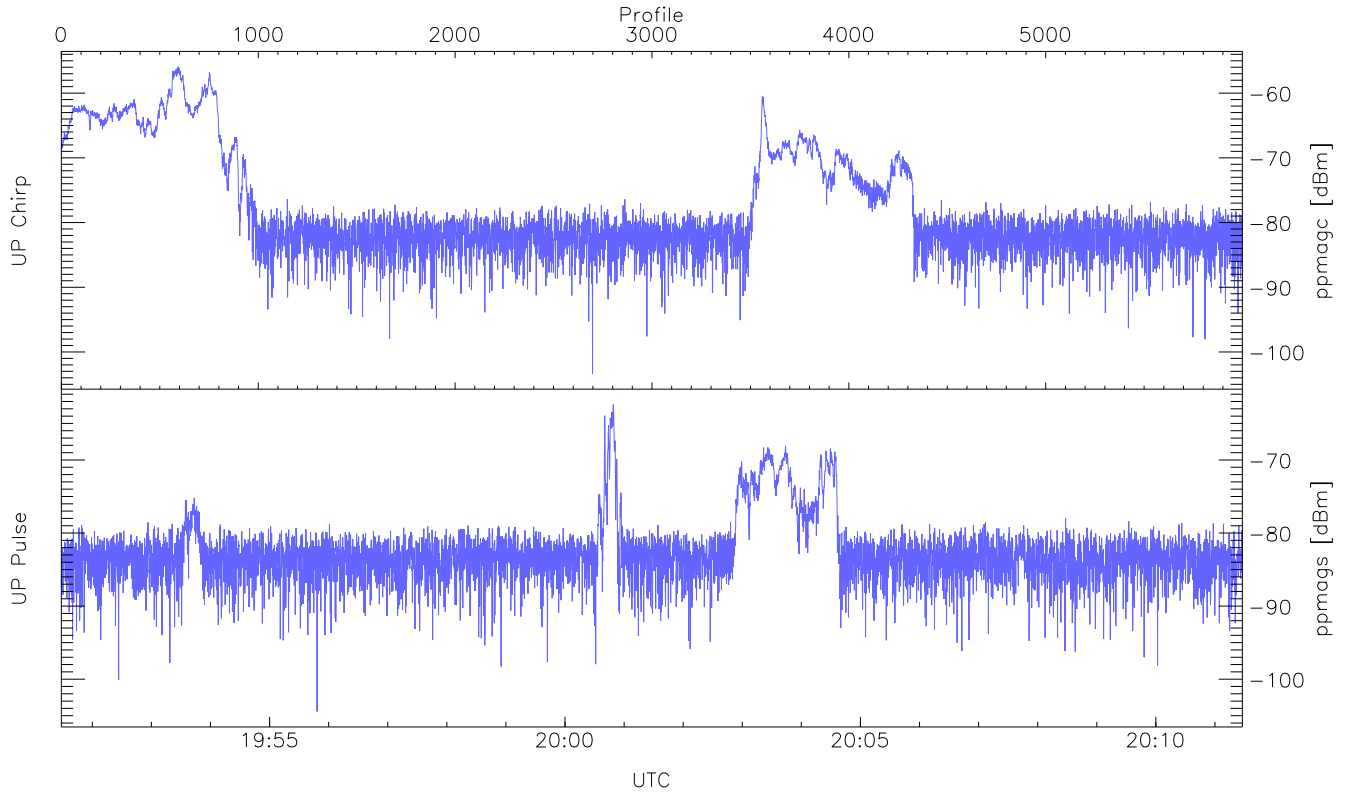
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG139_0	-40.03	40.03	-0.17	-0.40	23.00
UP_P_RG158_0	-40.02	40.06	-0.11	-0.23	22.90
DOWN_C_RG175_0	-40.06	40.06	-0.18	0.13	23.11
DOWN_P_RG170_0	-40.05	40.06	-0.09	-0.31	23.00



KPR SPP Received Power for Chirp Range gate 10 (1315.8 m)  
 KPR SPP Received Power for Pulse Range gate 10 (466.6 m)

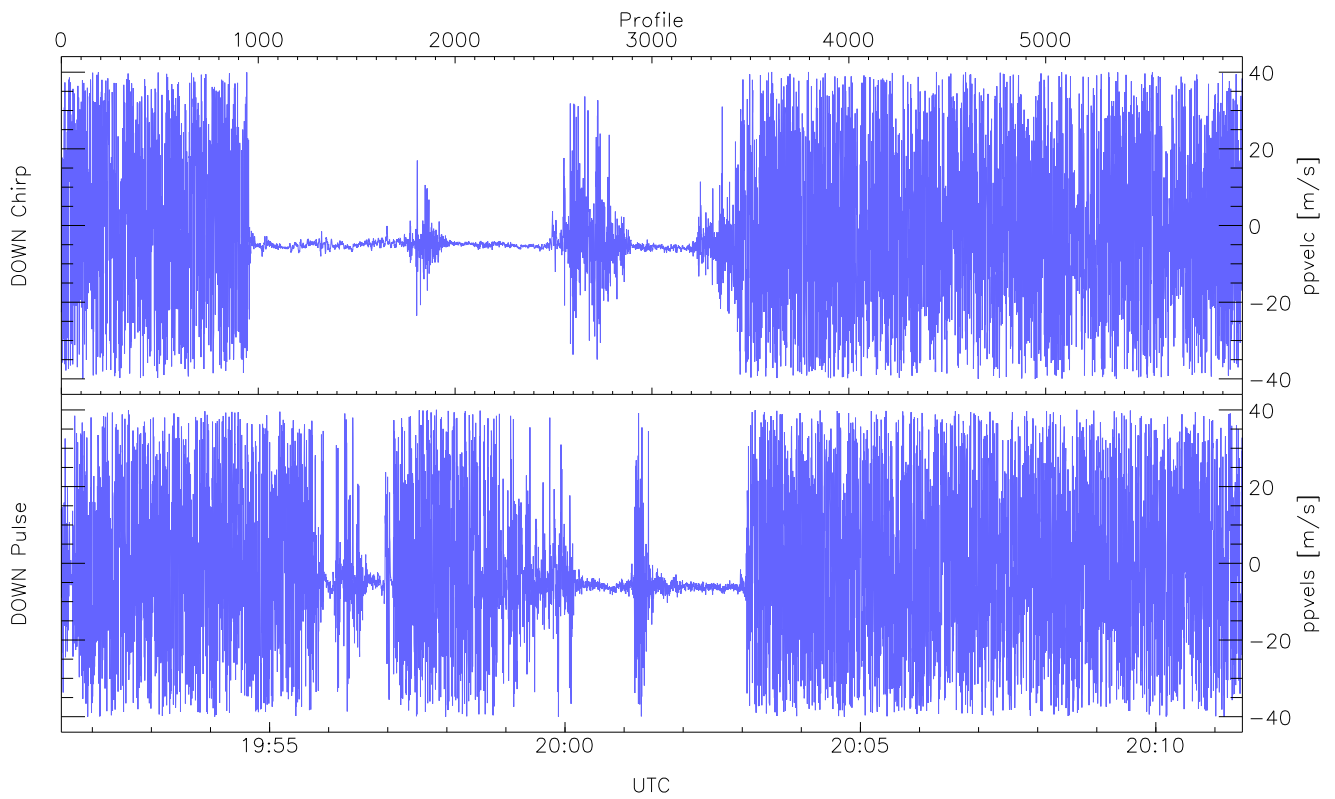
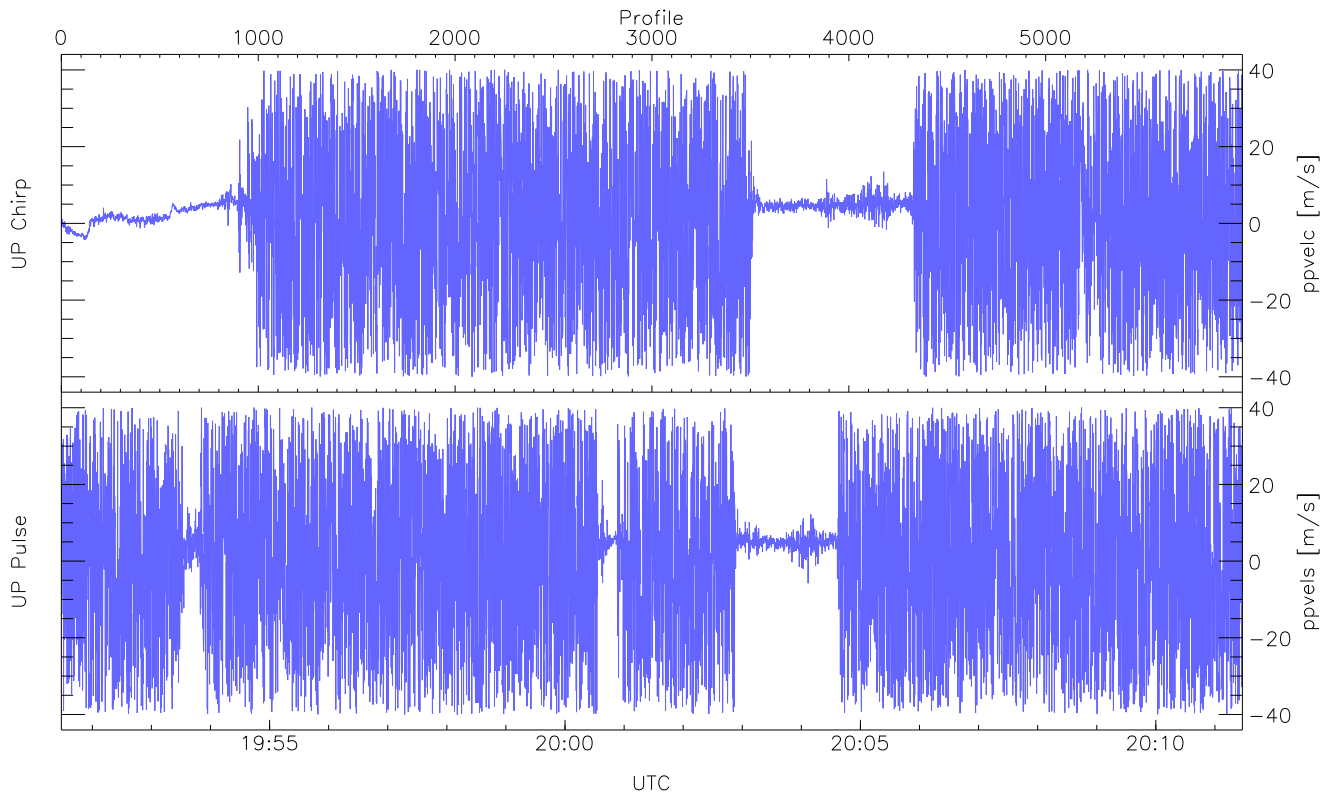
	Min	Max	Mean
UP Chirp(dBm)	-66.79	-54.82	-64.34
UP Pulse(dBm)	-68.22	-59.57	-67.56
DOWN Chirp(dBm)	-65.03	-43.59	-58.45
DOWN Pulse(dBm)	-66.41	-47.40	-63.81



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

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

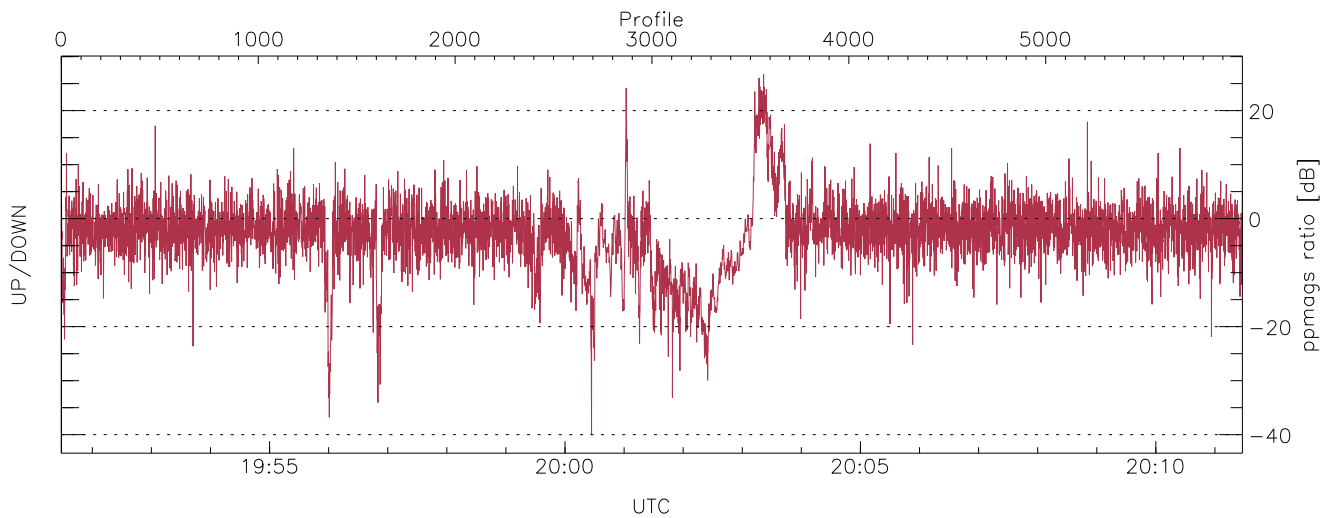
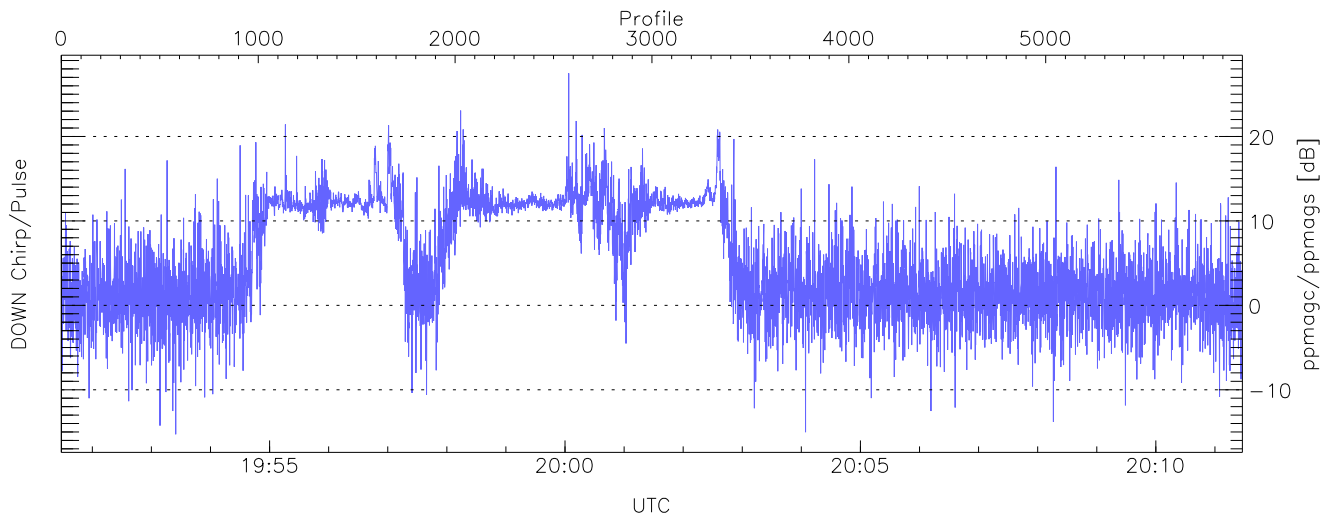
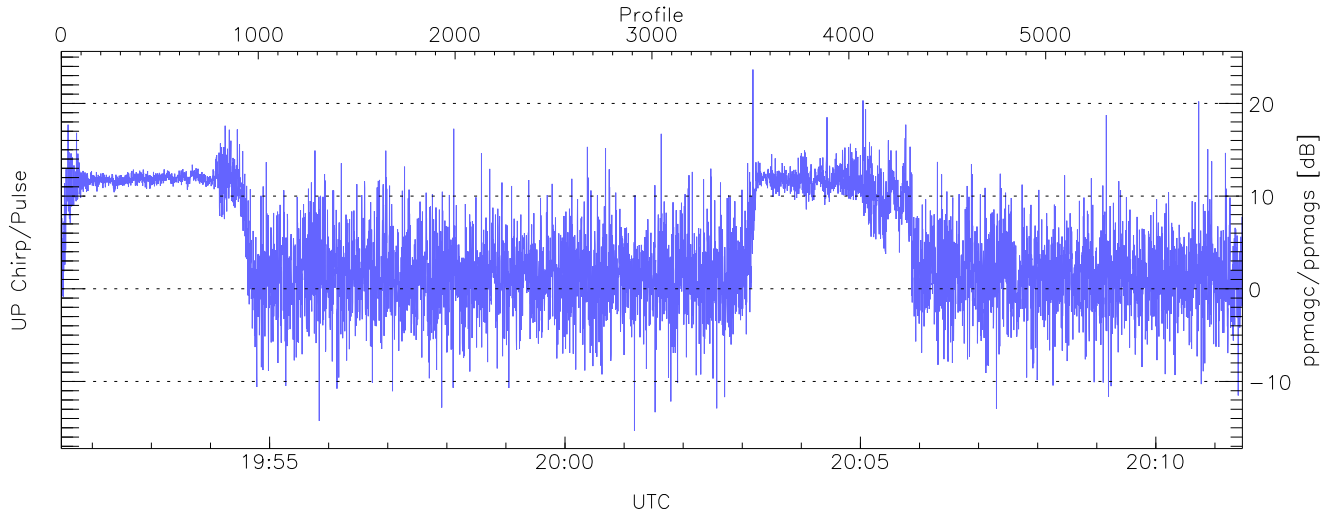
	Min	Max	Mean
UP Chirp(dBm)	-103.38	-55.93	-69.59
UP Pulse(dBm)	-104.44	-62.41	-79.36
DOWN Chirp(dBm)	-96.17	-44.32	-60.55
DOWN Pulse(dBm)	-95.19	-49.32	-69.41



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)	-40.01	40.05	1.30
UP Pulse(m/s)	-40.04	40.06	0.74
DOWN Chirp(m/s)	-40.05	40.06	-2.14
DOWN Pulse(m/s)	-40.03	40.04	-1.73



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-15.29	23.66	7.72
DOWN Chirp/Pulse(dBm)	-15.28	27.49	9.22
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-40.08	26.77	3.91