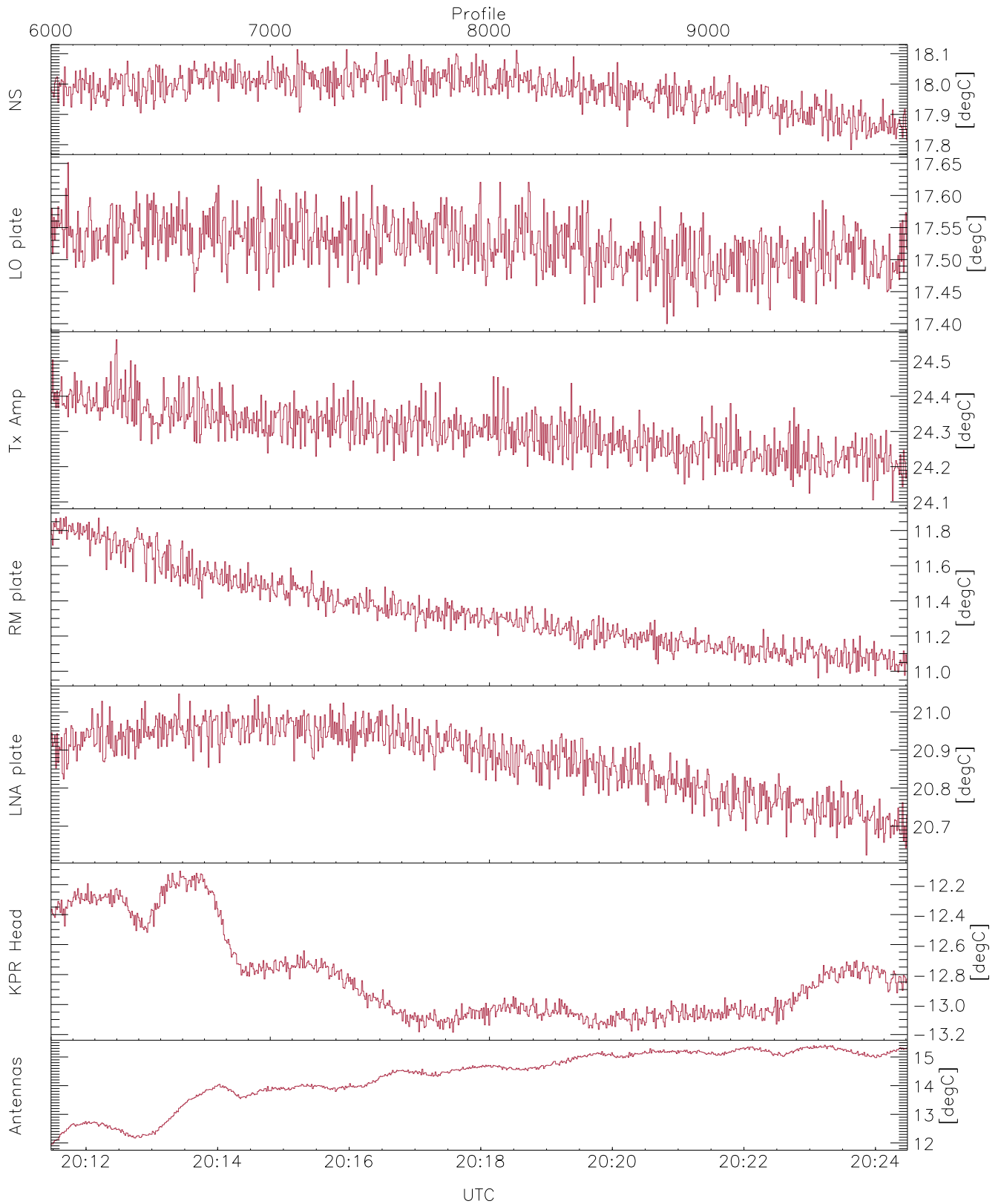


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 19:51:29-20:24:29, TimeCor: 0.00s, Dur: 781.09s
 TimeInt(min,max,mn,std): 199.6,200.2,199.9,0.0 ms; PPS: 5.0
 NumRec(r/t): 3908/9908, 6000-9907/20:11:28-20:24:29
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, 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

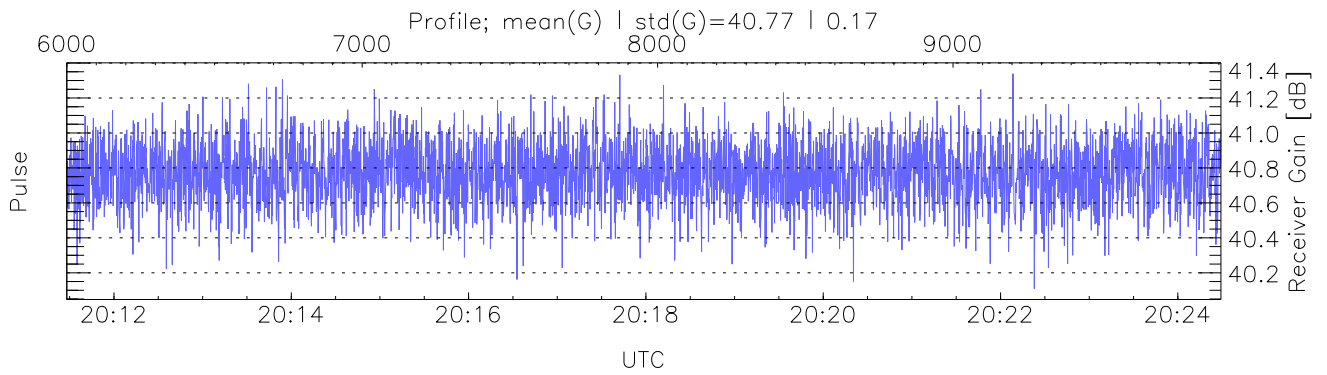
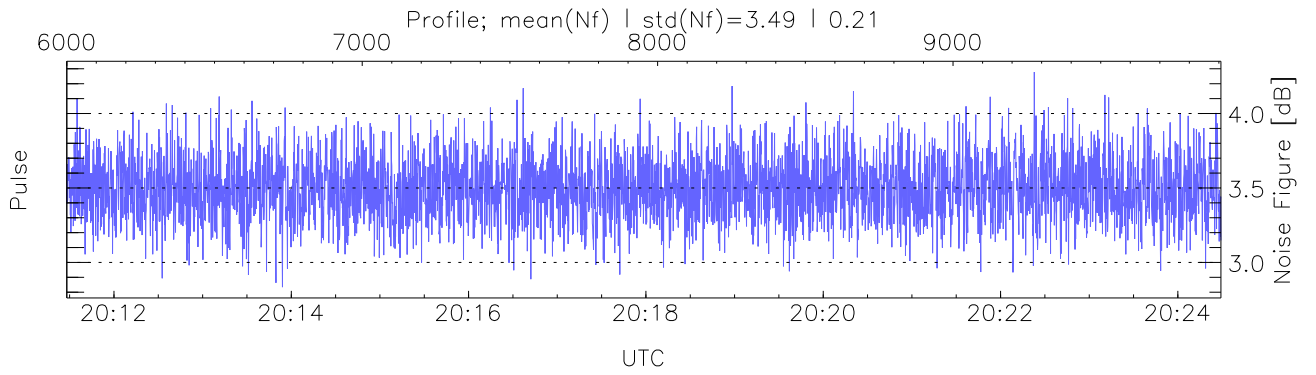
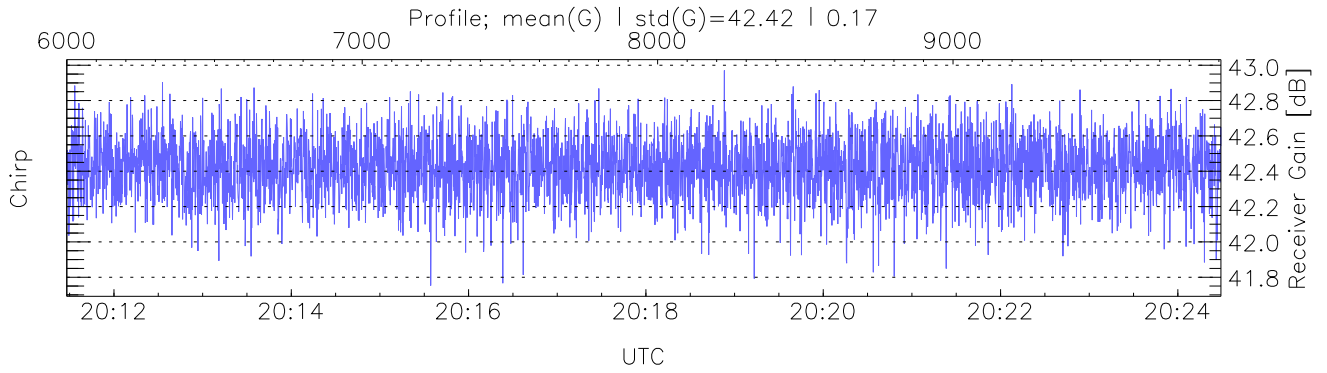
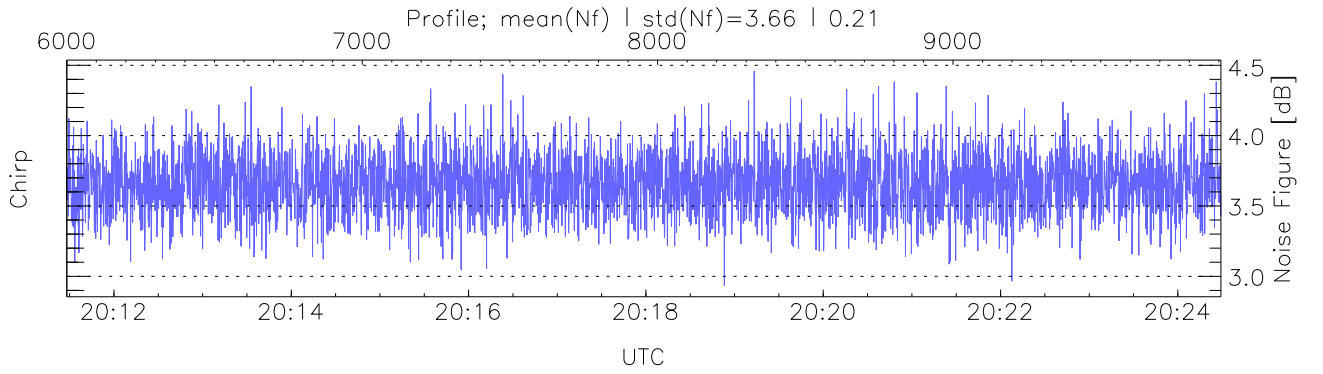


KPR SPP Temperatures, Power Supplies, PLO lock:

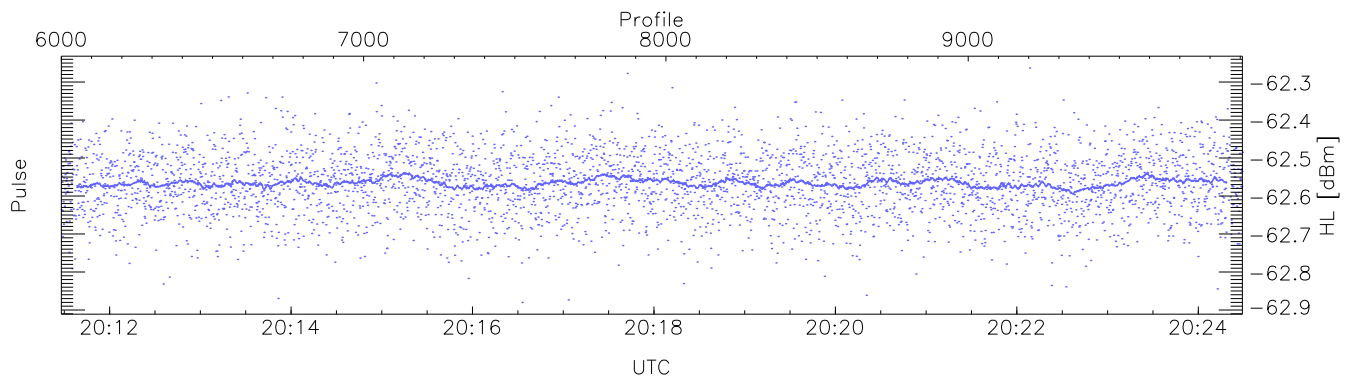
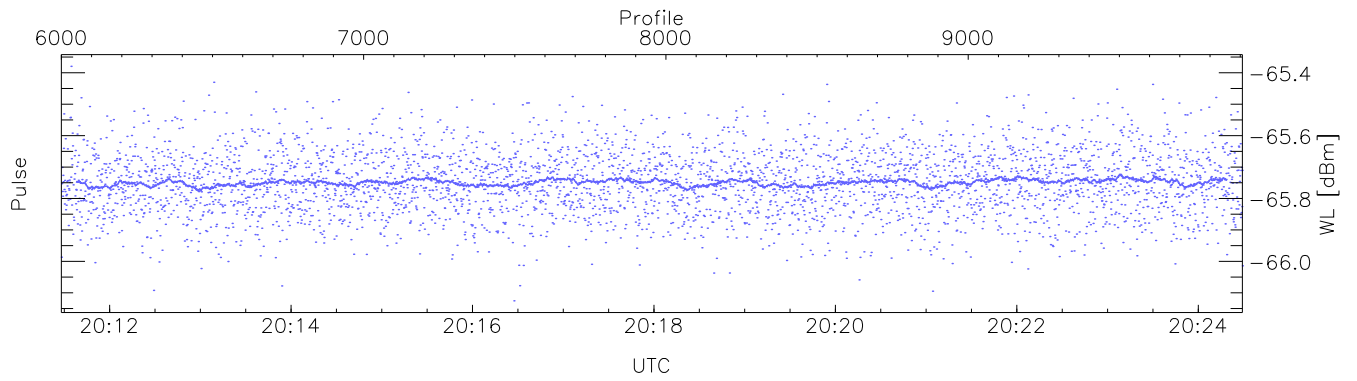
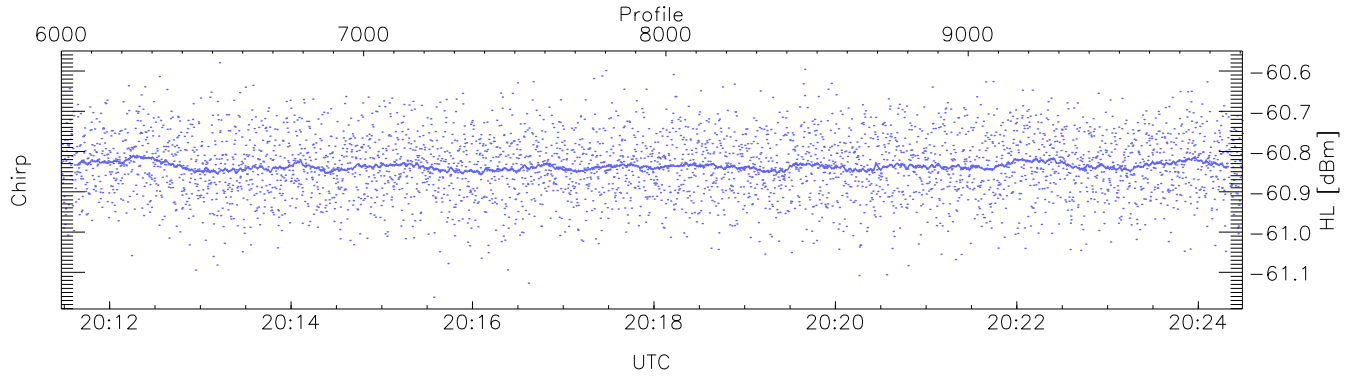
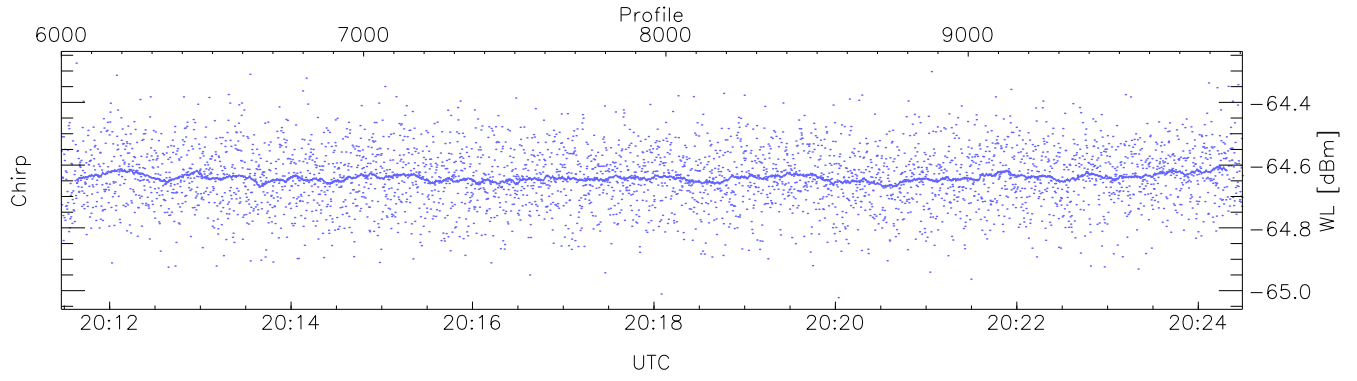
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	17.8,	17.4,	24.1,	11.0,	20.6,	-13.2,	11.9
maxtempC:	18.1,	17.7,	24.6,	11.9,	21.0,	-12.1,	15.4
meantempC:	18.0,	17.5,	24.3,	11.3,	20.9,	-12.8,	14.3

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.36,	11.66,	7.87,	5.21
maxVDC:	27.83,	11.73,	7.90,	5.23
meanVDC:	26.82,	11.70,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

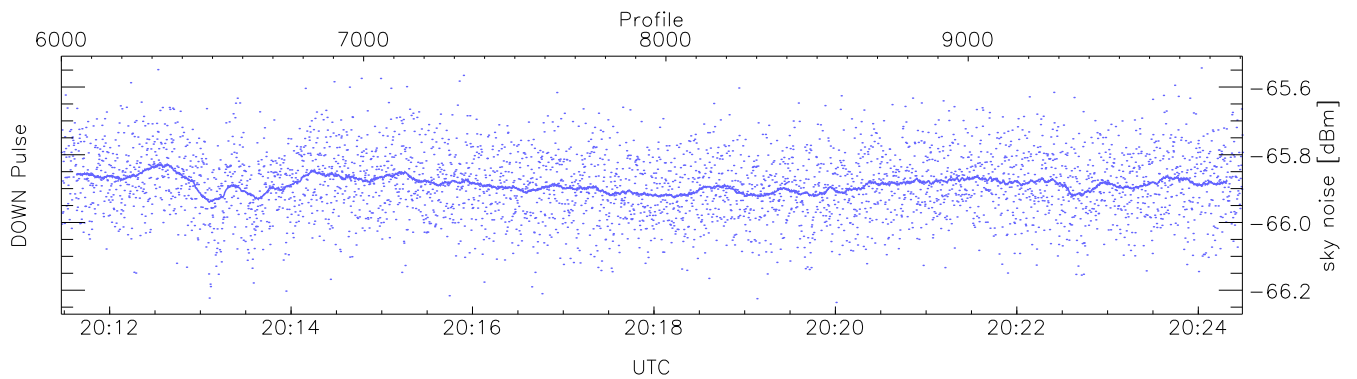
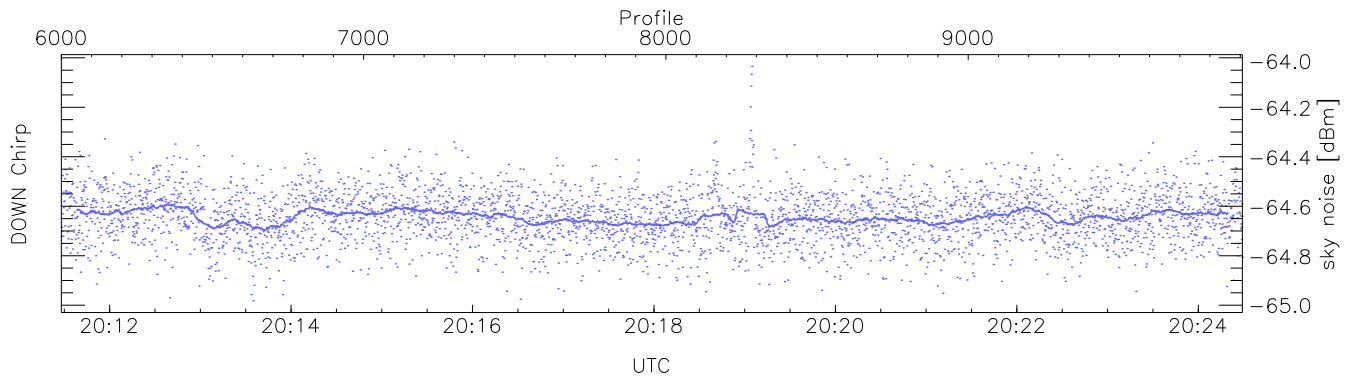
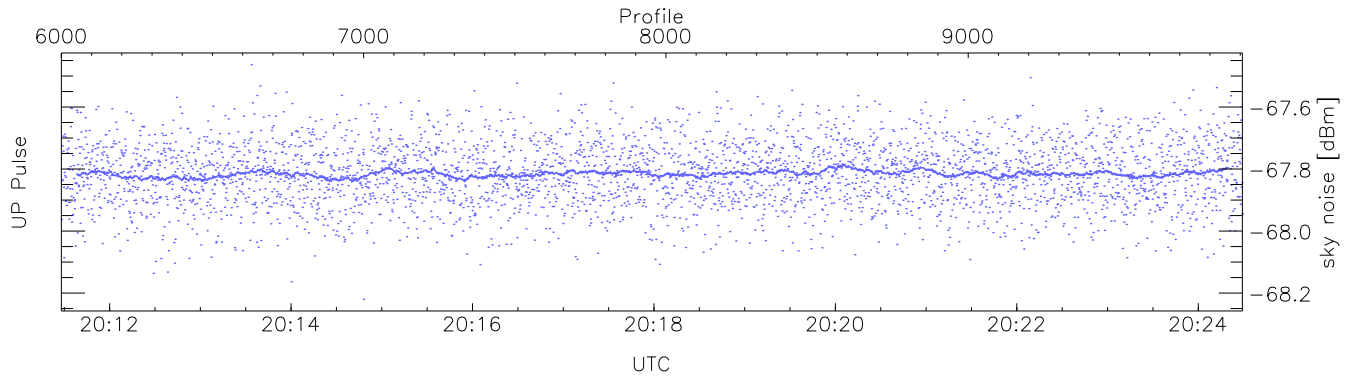
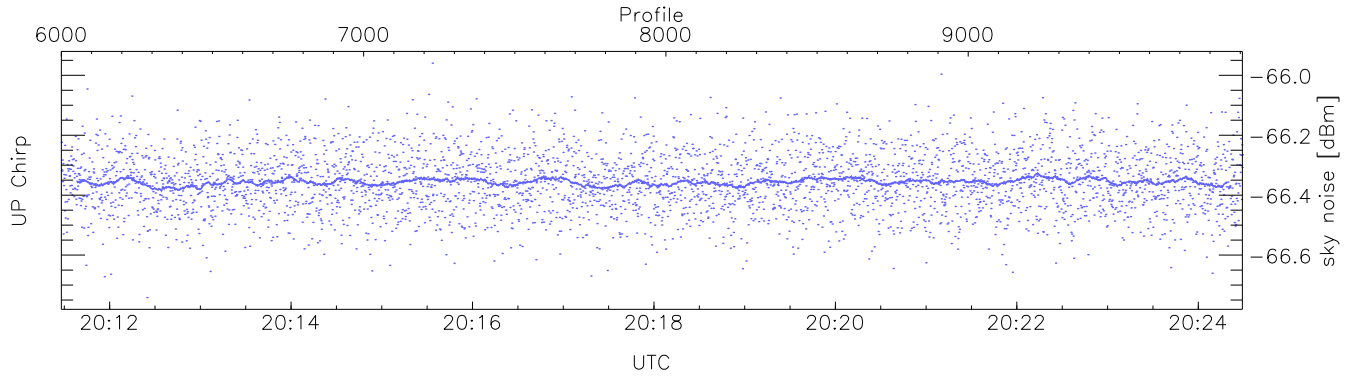


KPR SPP Receiver Gain and Noise Figure



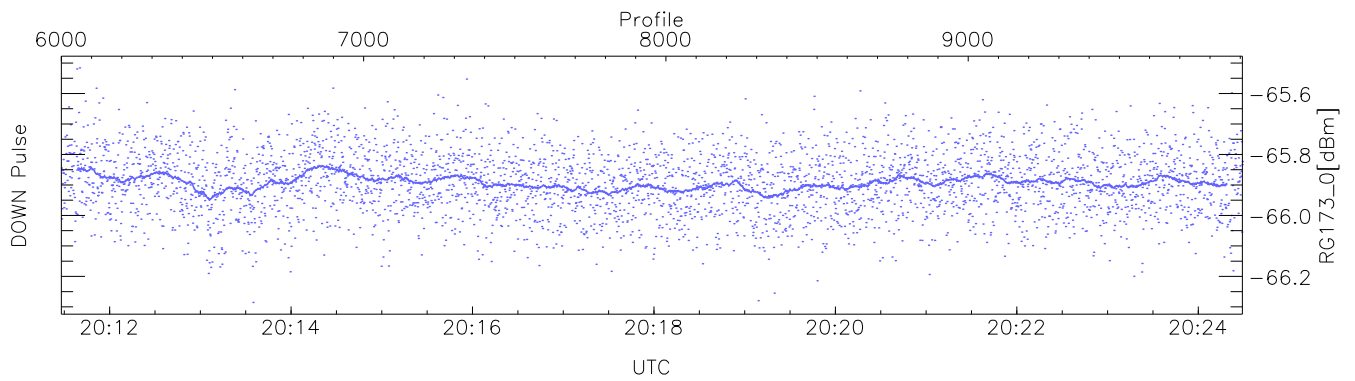
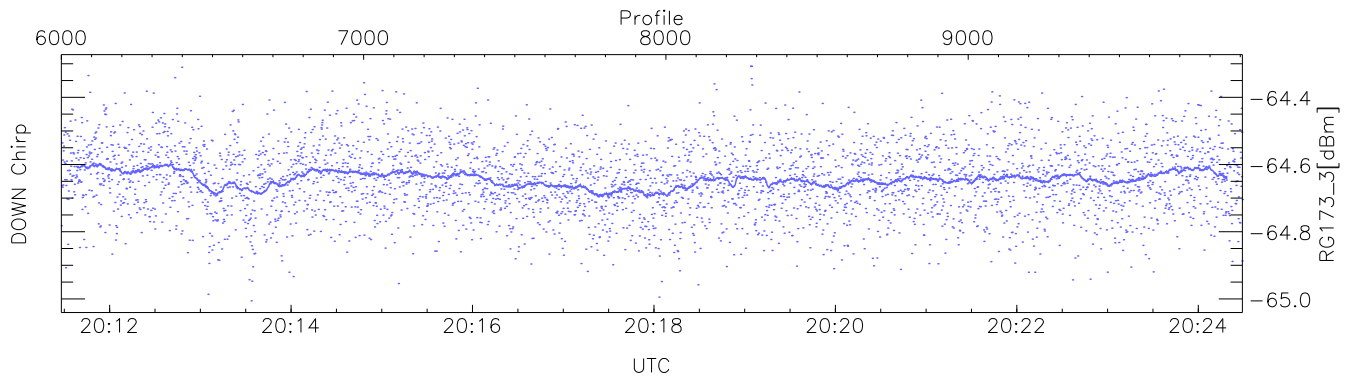
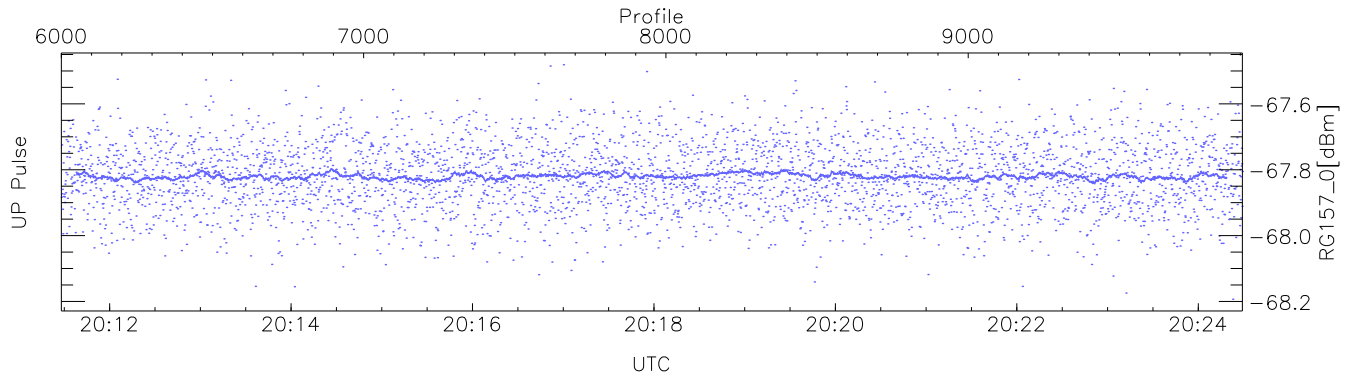
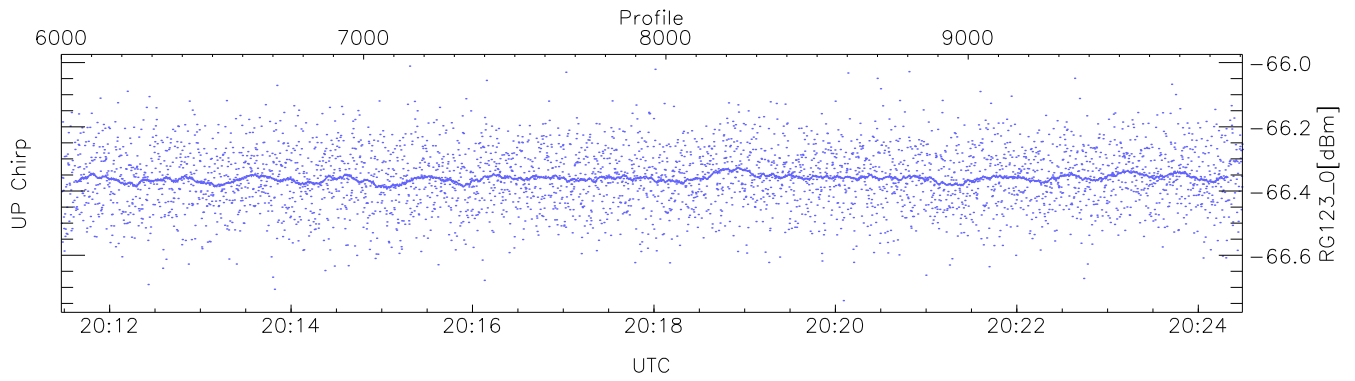
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.02	-64.28	-64.64	-64.64	-81.06
Chirp(HL [dBm])	-61.16	-60.58	-60.84	-60.83	-78.15
Pulse(WL [dBm])	-66.13	-65.38	-65.75	-65.75	-82.14
Pulse(HL [dBm])	-62.88	-62.26	-62.57	-62.57	-79.82



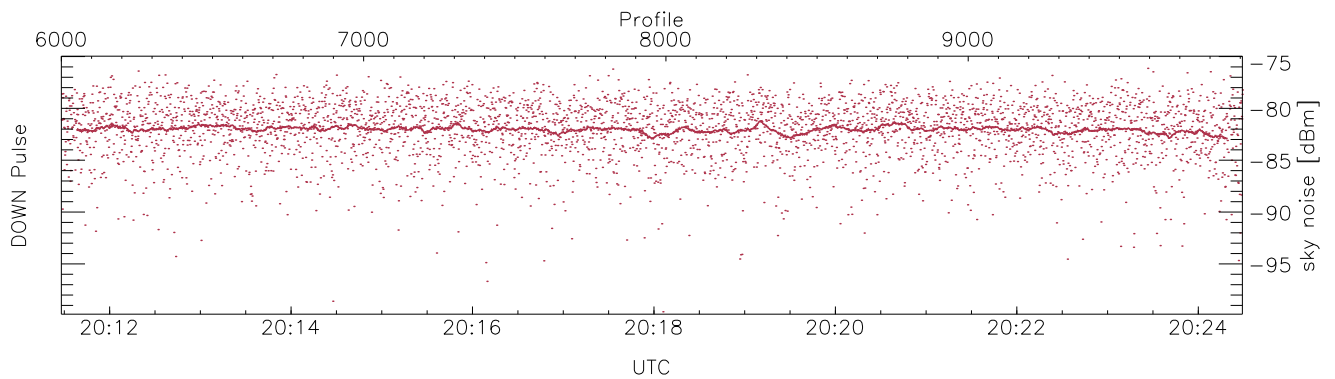
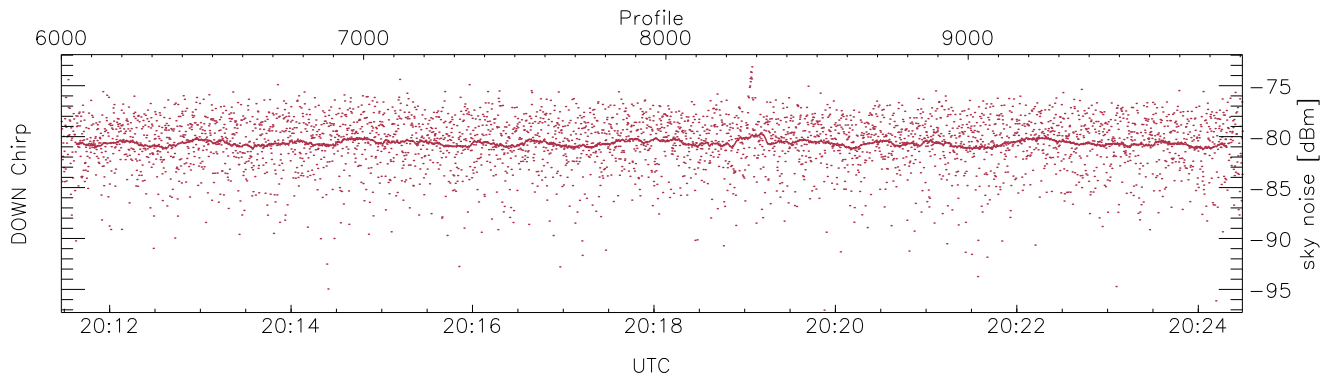
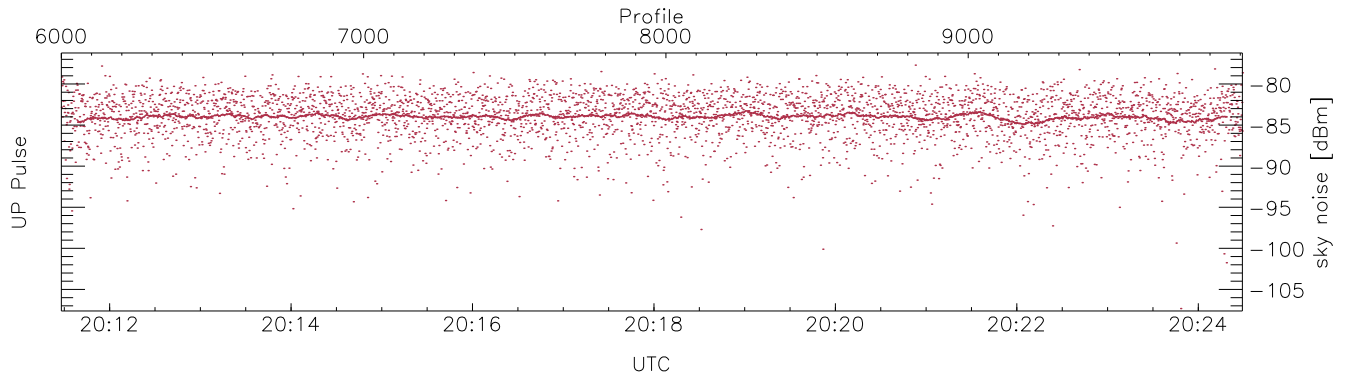
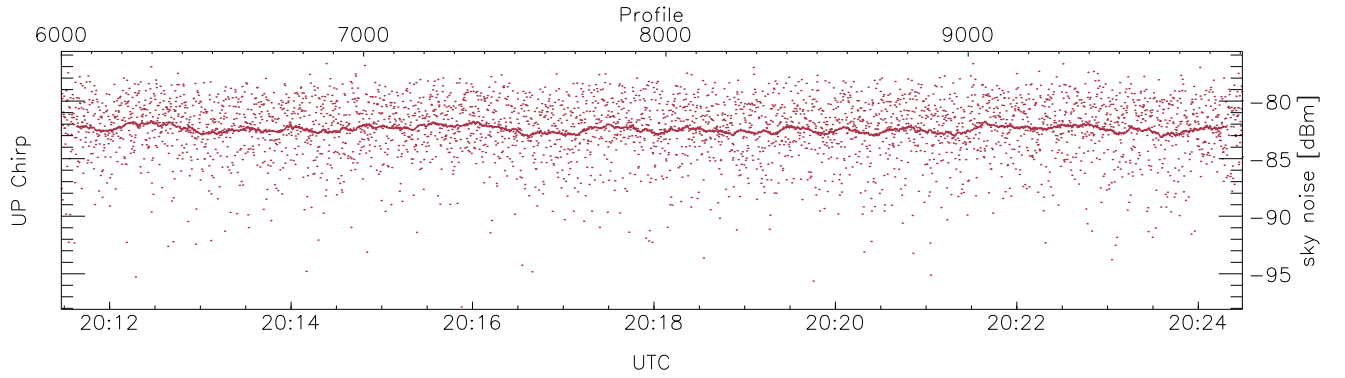
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.74	-65.96	-66.36	-66.36	-82.79
UP Pulse(dBm)	-68.22	-67.46	-67.81	-67.82	-84.21
DOWN Chirp(dBm)	-64.98	-64.03	-64.64	-64.64	-80.84
DOWN Pulse(dBm)	-66.24	-65.54	-65.89	-65.89	-82.18



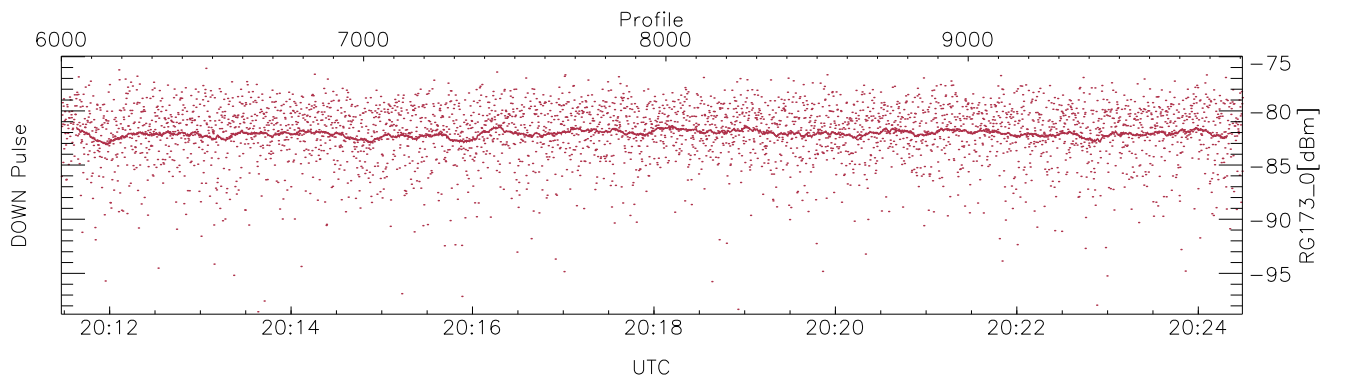
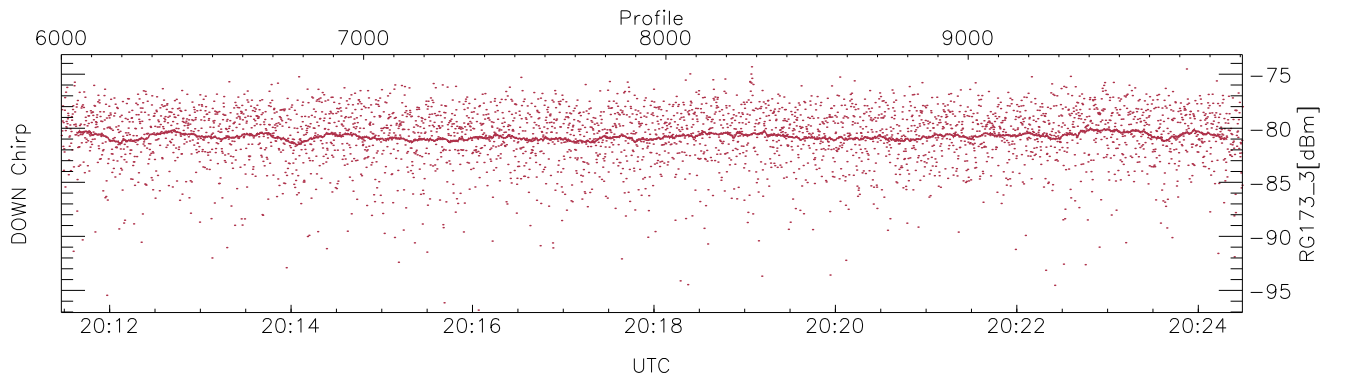
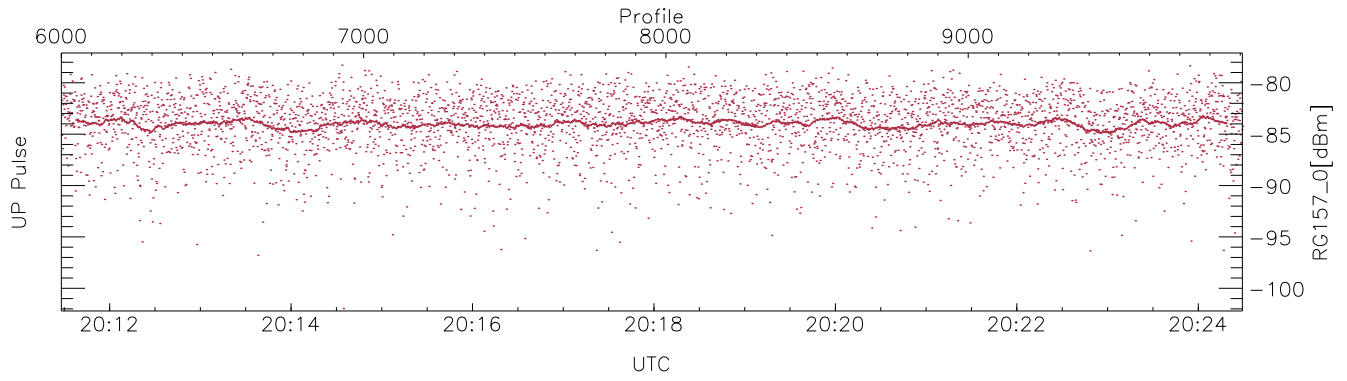
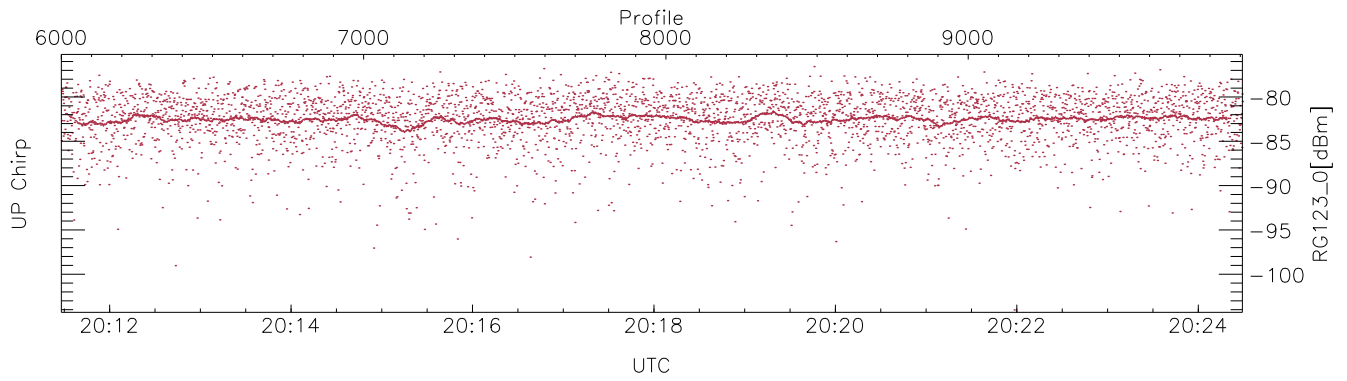
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG123_0	-66.74	-66.01	-66.36	-66.36	-82.79
UP_P_RG157_0	-68.19	-67.48	-67.82	-67.82	-84.21
DOWN_C_RG173_3	-65.01	-64.31	-64.64	-64.64	-80.93
DOWN_P_RG173_0	-66.29	-65.52	-65.89	-65.89	-82.14



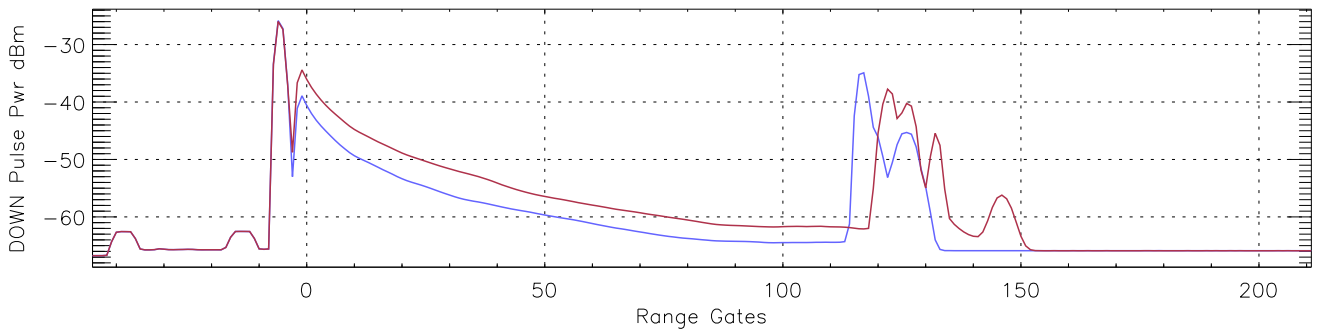
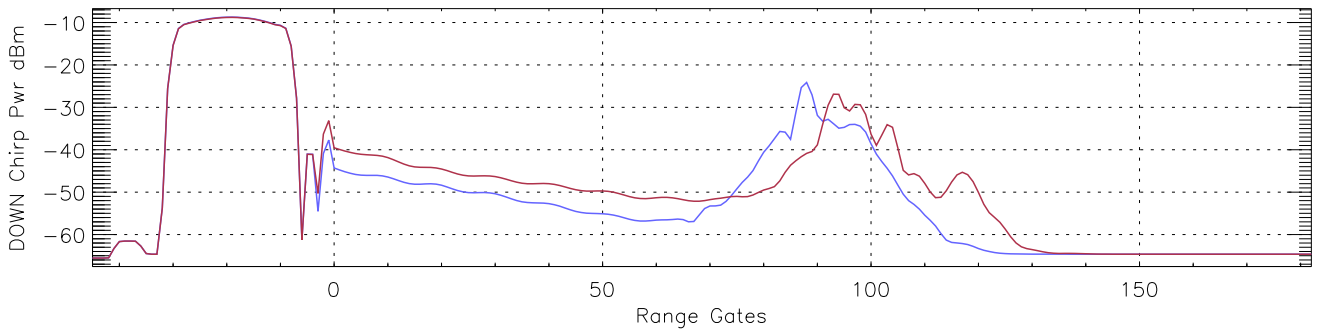
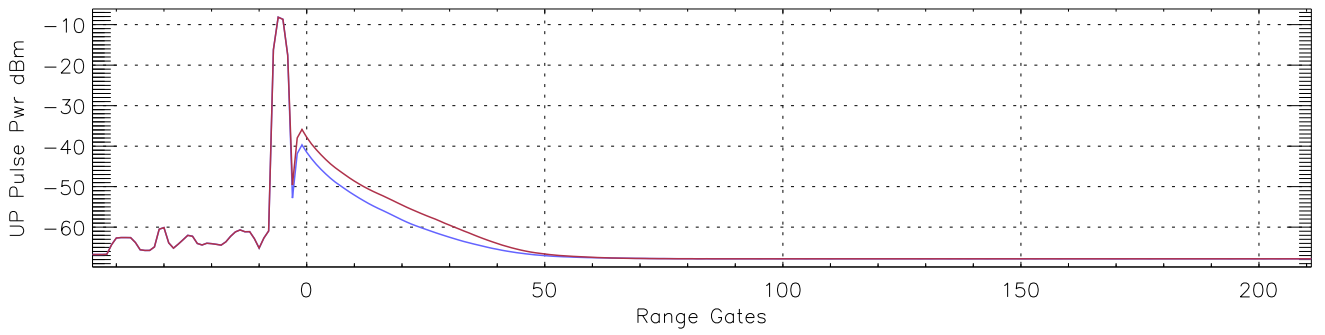
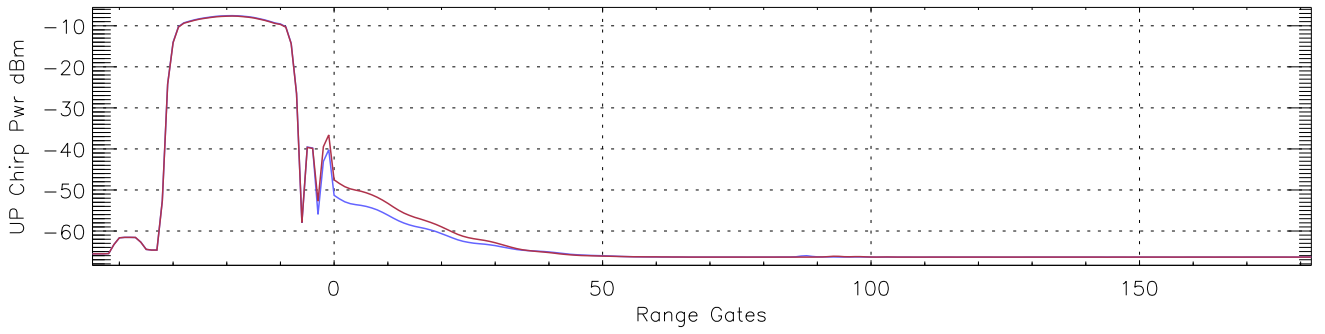
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-97.88	-76.74	-81.74	-82.04	-84.61
UP Pulse(dBm)	-107.32	-77.71	-83.28	-83.57	-86.06
DOWN Chirp(dBm)	-97.03	-73.14	-79.93	-80.20	-82.63
DOWN Pulse(dBm)	-99.61	-76.14	-81.32	-81.57	-84.10

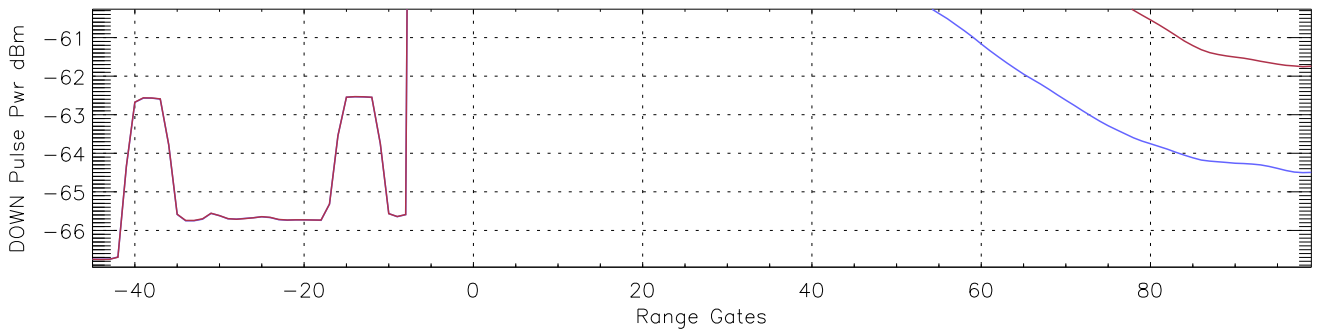
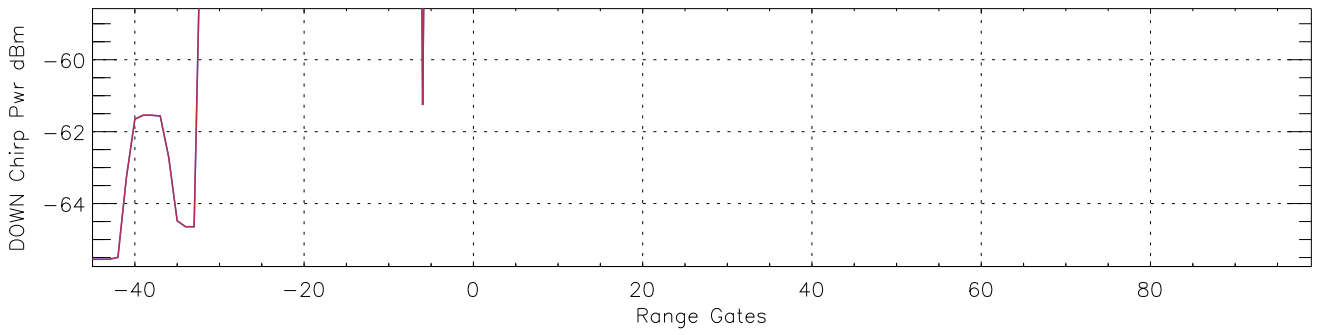
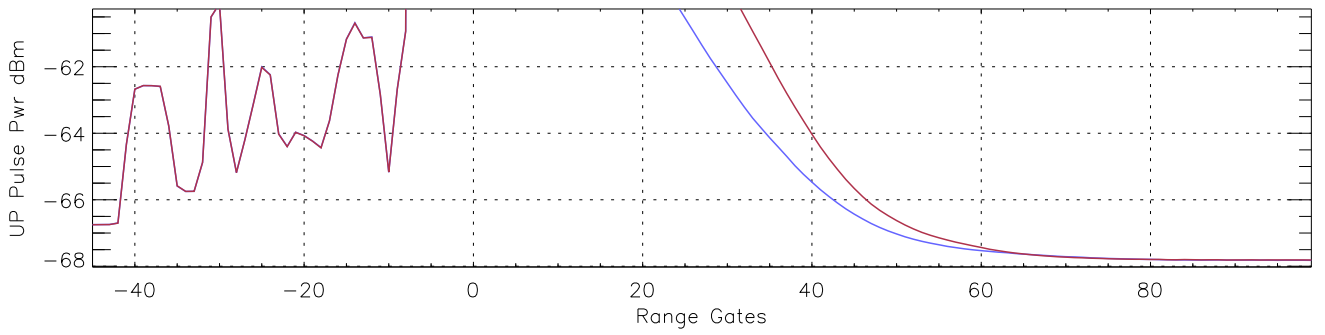
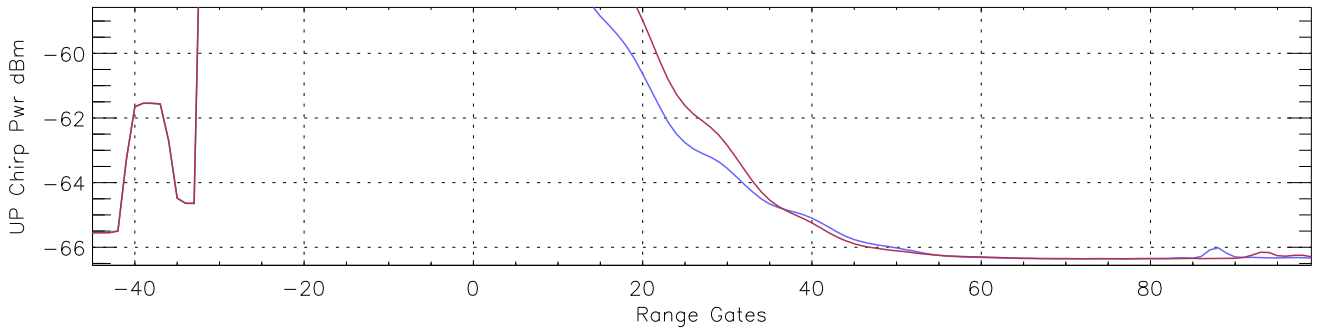


KPR SPP "Best" PPMAG noise (dBm):

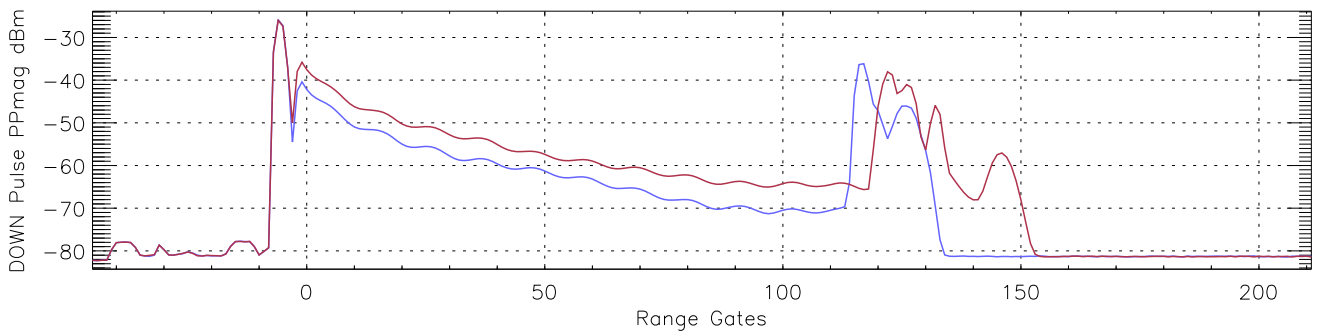
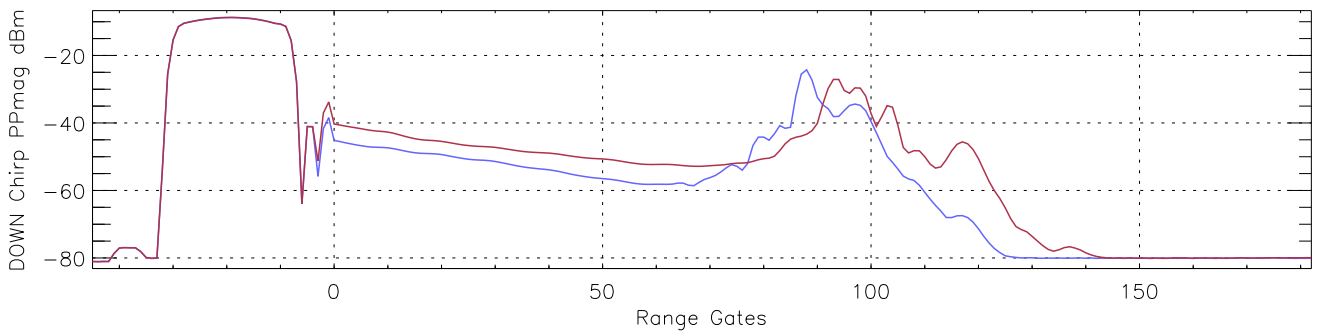
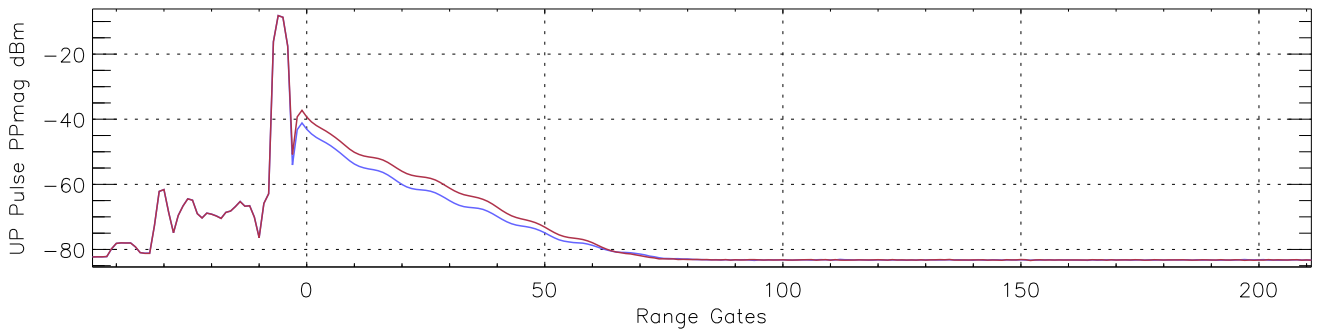
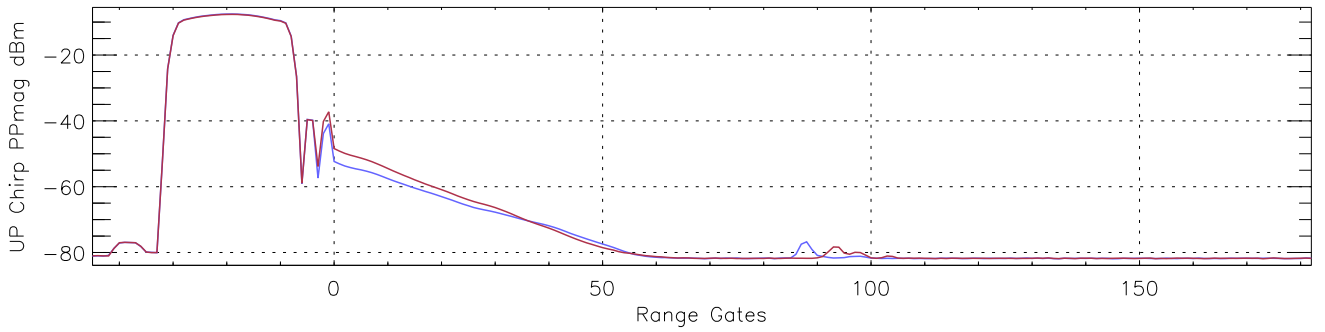
	Min	Max	Mean	Median	StDev
UP_C_RG123_0	-104.03	-76.57	-81.79	-82.08	-84.55
UP_P_RG157_0	-101.97	-78.29	-83.26	-83.53	-85.98
DOWN_C_RG173_3	-96.82	-74.31	-80.05	-80.34	-82.84
DOWN_P_RG173_0	-98.54	-76.08	-81.36	-81.63	-84.15



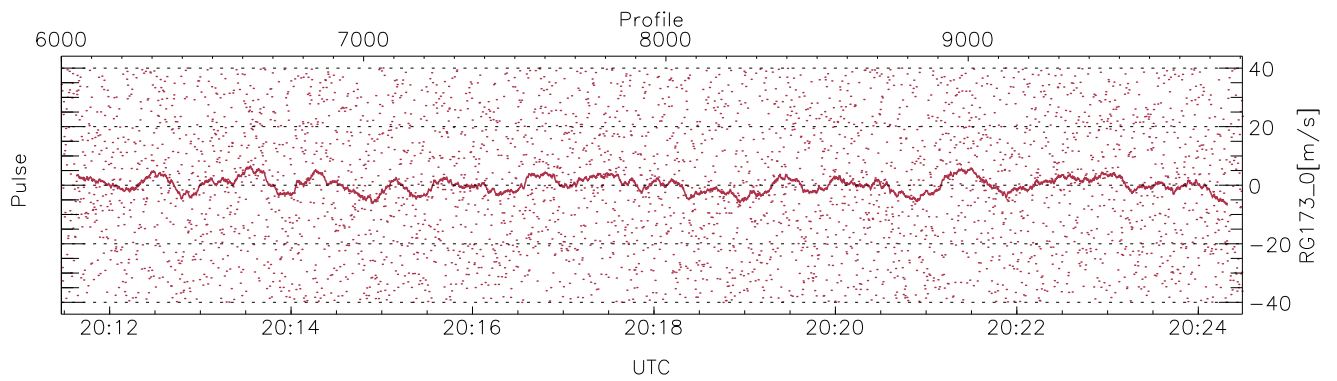
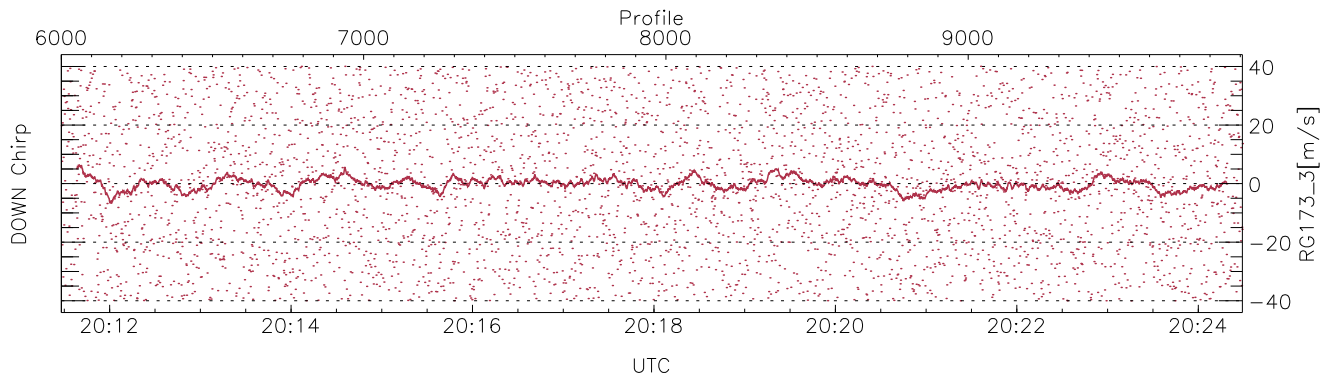
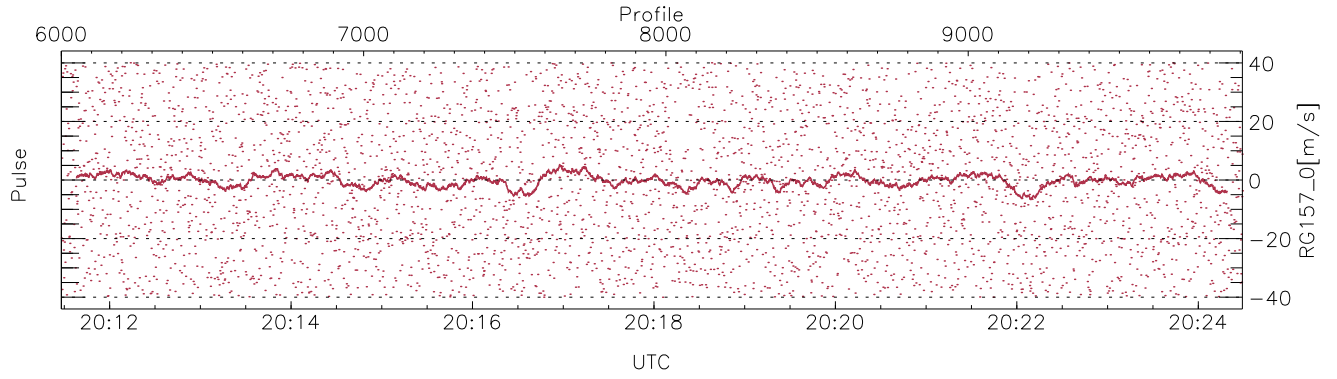
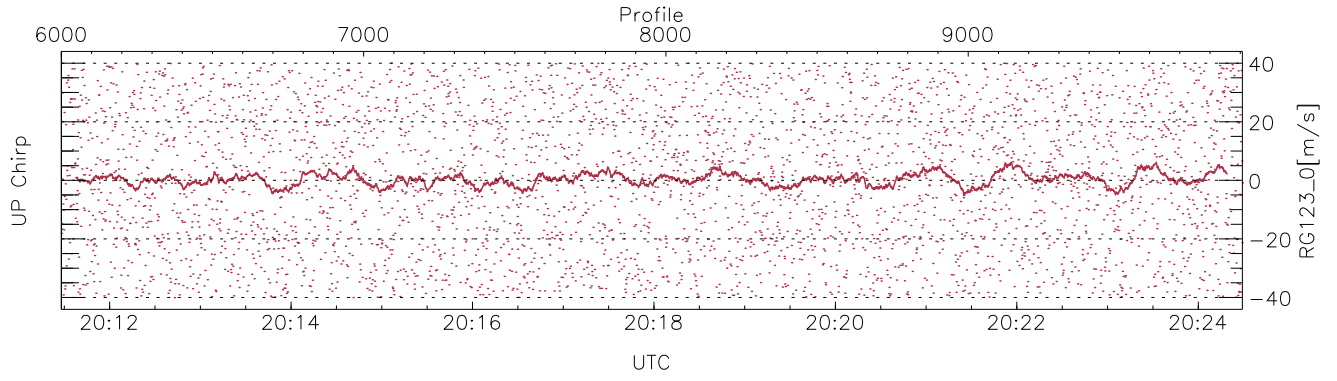
KPR SPP Averaged Received power for all recorded gates
blue: 201128-201758, 1955 profiles averaged
red: 201758-202429, 1954 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 201128-201758, 1955 profiles averaged
red: 201758-202429, 1954 profiles averaged

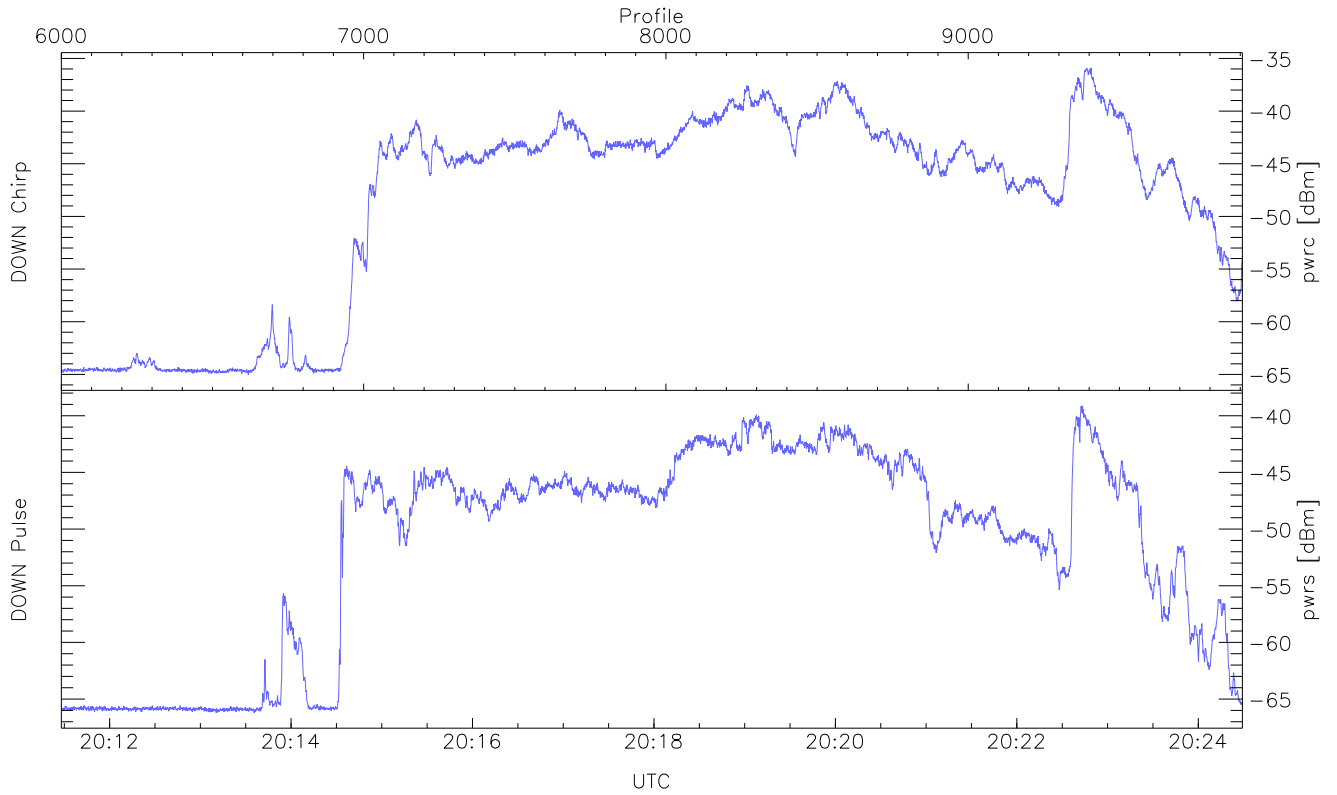
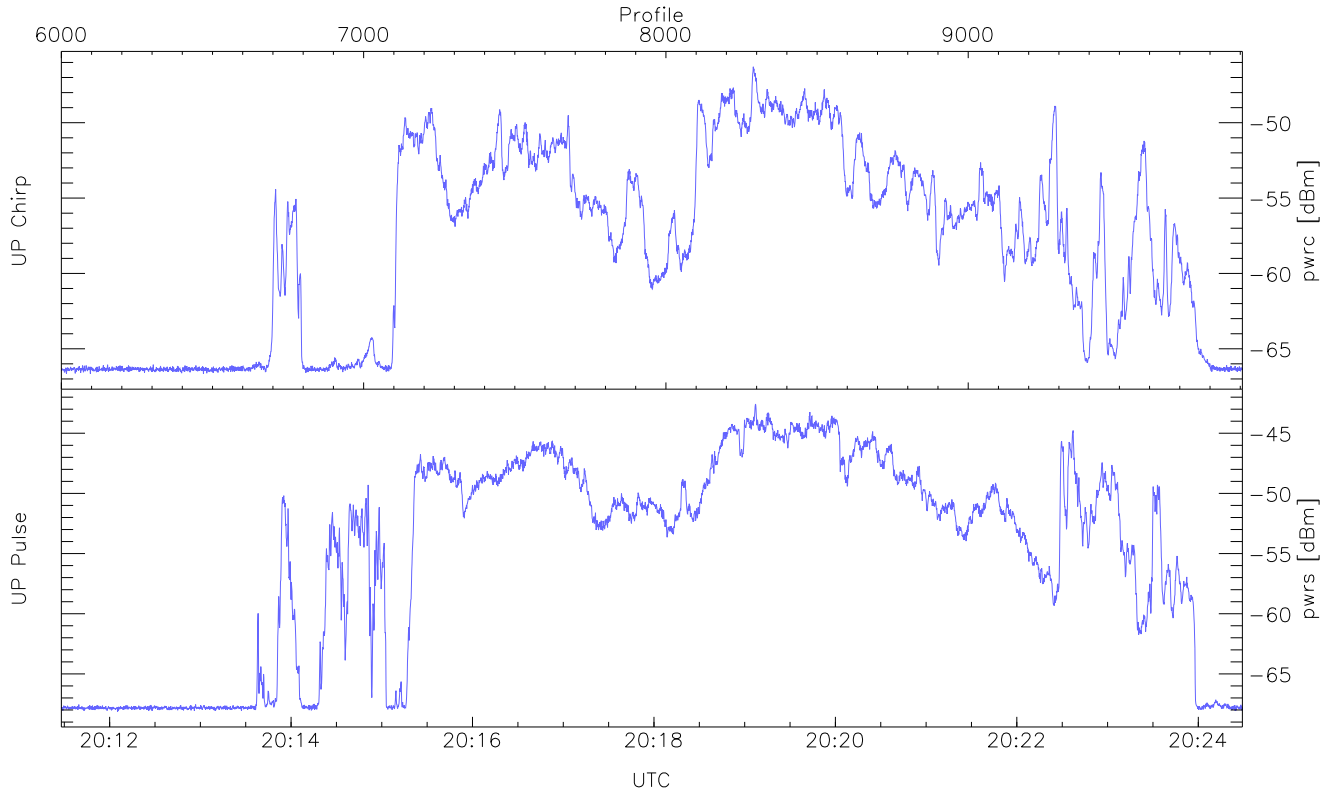


KPR SPP Averaged PP magnitude for all recorded gates
blue: 201128-201758, 1955 profiles averaged
red: 201758-202429, 1954 profiles averaged



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

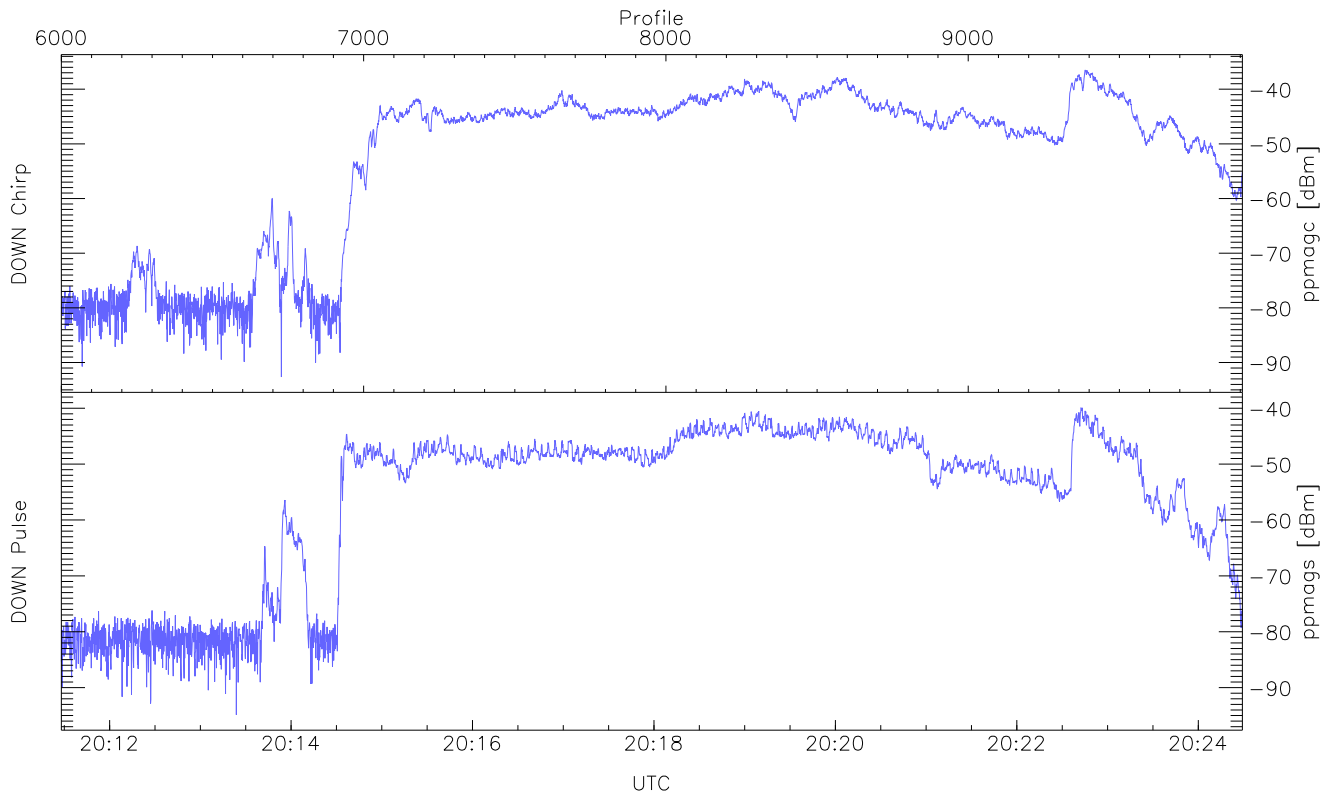
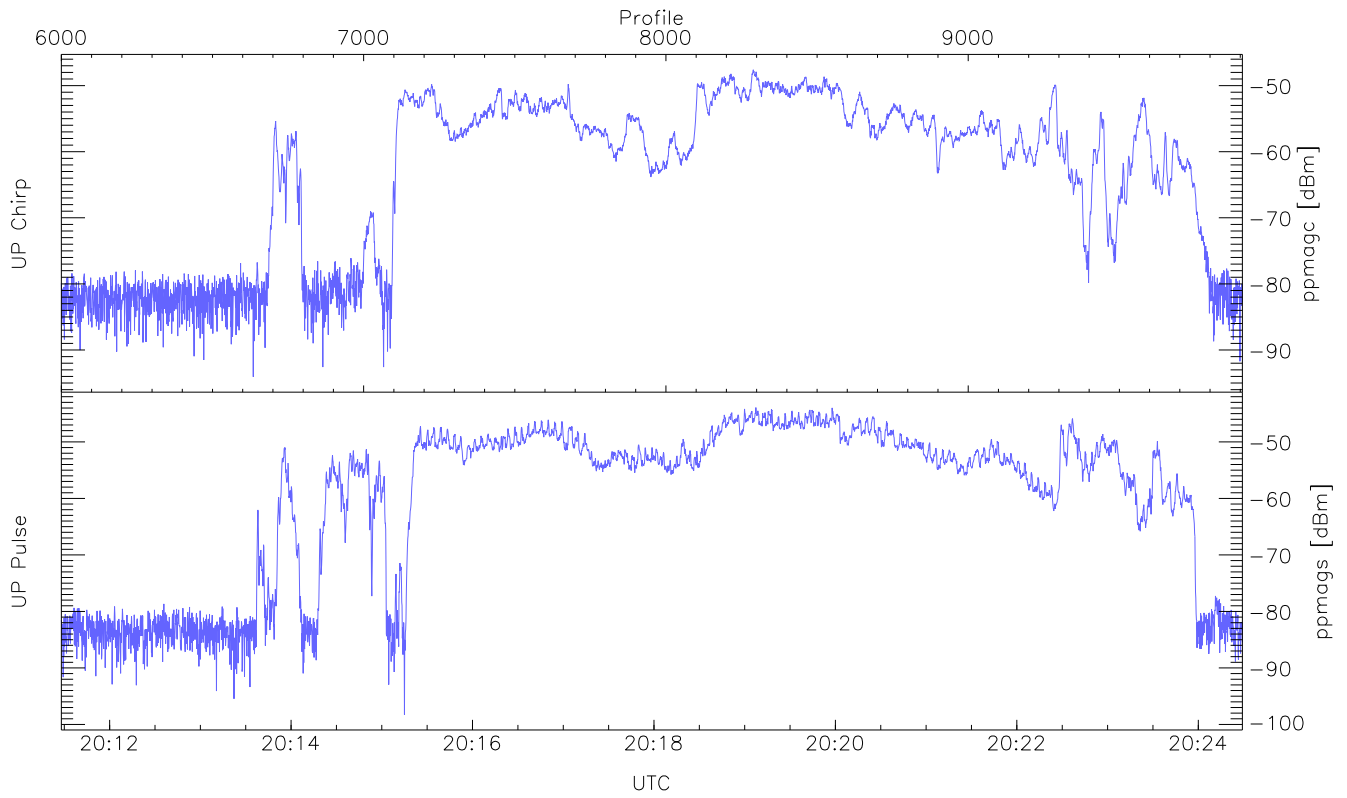
	Min	Max	Mean	Median	StDev
UP_C_RG123_0	-40.06	40.02	0.30	0.41	23.06
UP_P_RG157_0	-40.03	40.06	-0.28	-0.15	22.65
DOWN_C_RG173_3	-40.04	40.05	-0.15	-0.33	22.84
DOWN_P_RG173_0	-40.04	40.06	0.04	0.00	22.67



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

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

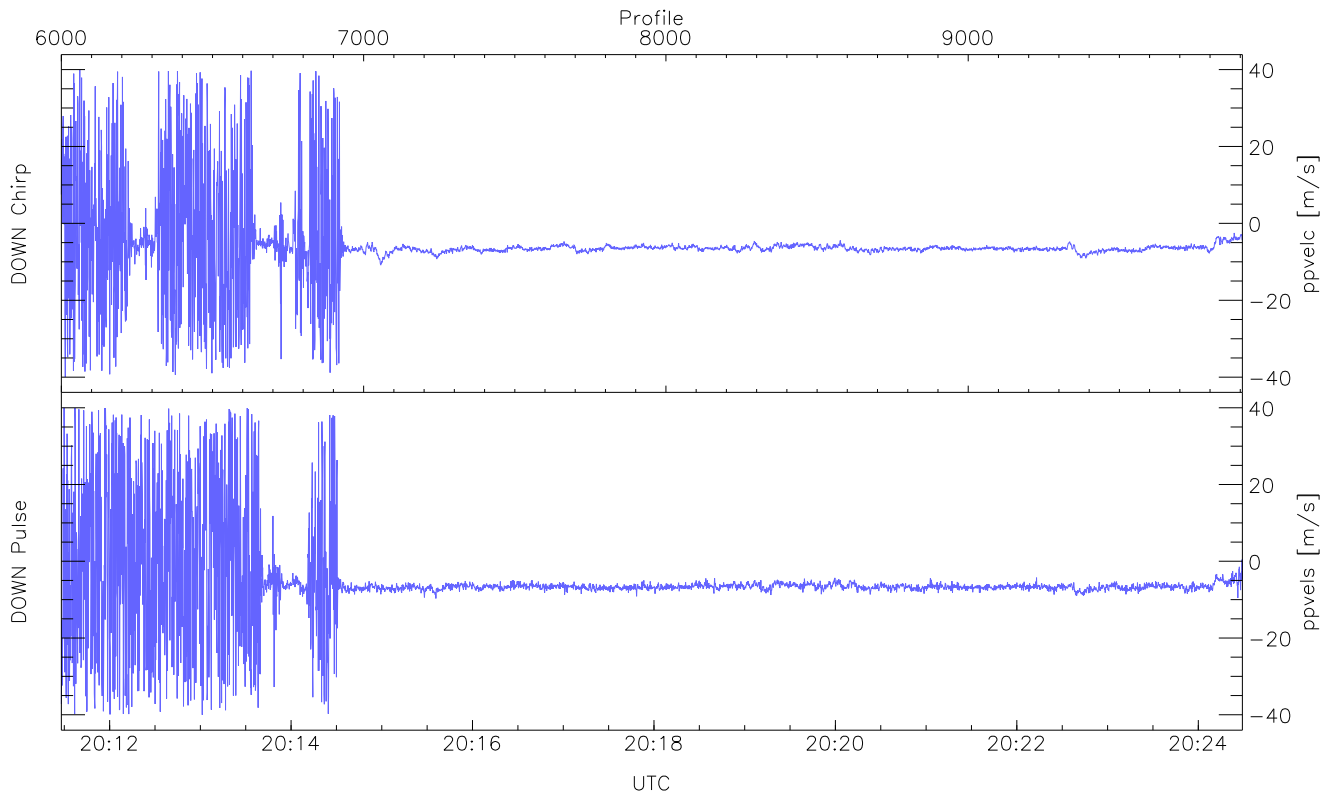
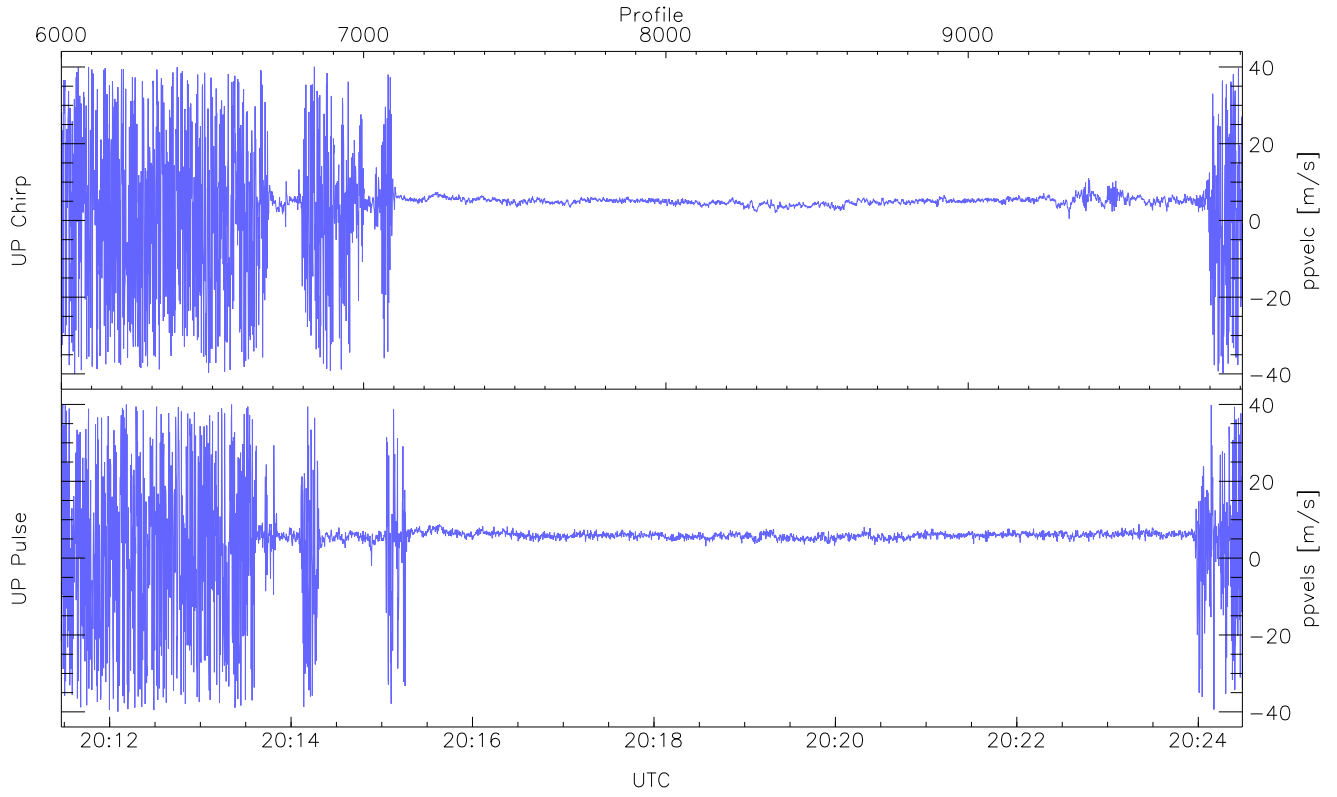
	Min	Max	Mean
UP Chirp(dBm)	-66.66	-46.29	-54.47
UP Pulse(dBm)	-68.13	-42.61	-50.02
DOWN Chirp(dBm)	-65.06	-35.90	-43.56
DOWN Pulse(dBm)	-66.21	-39.12	-46.49



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

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

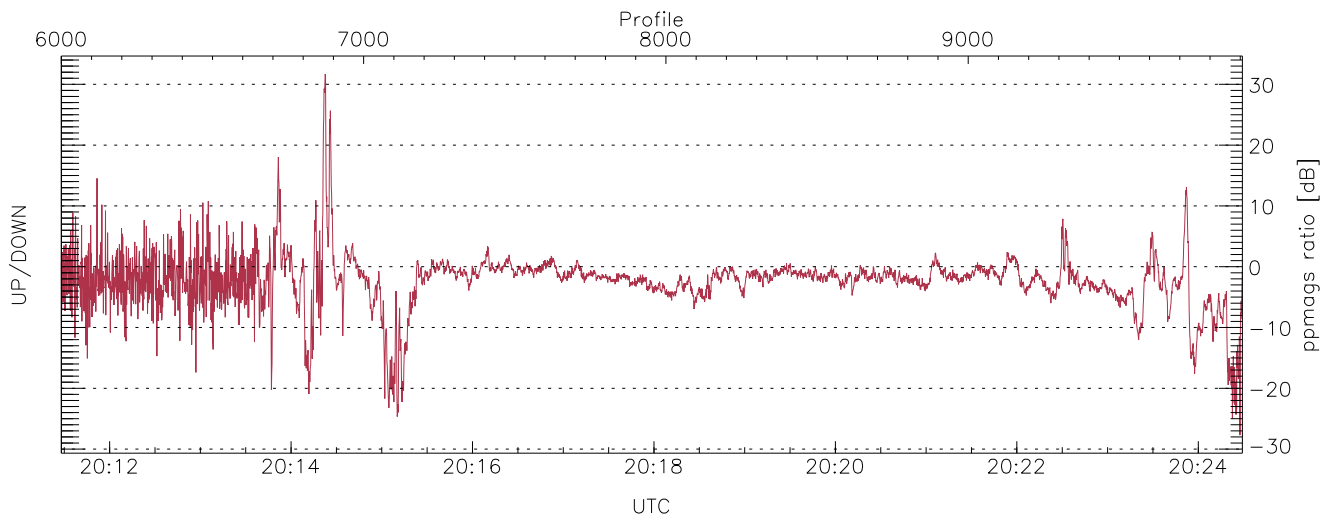
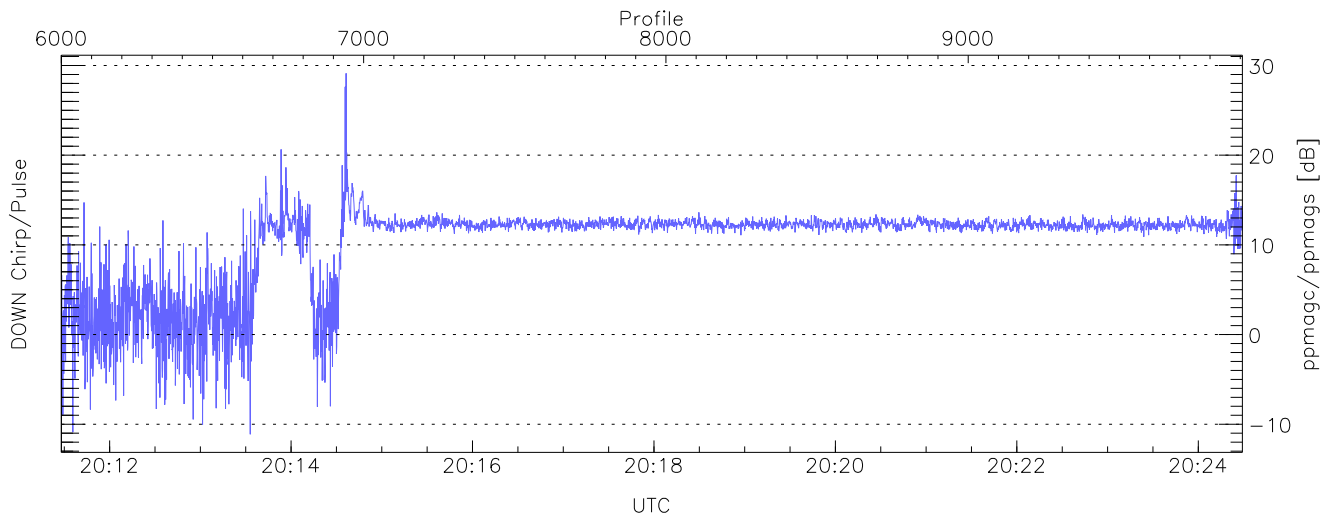
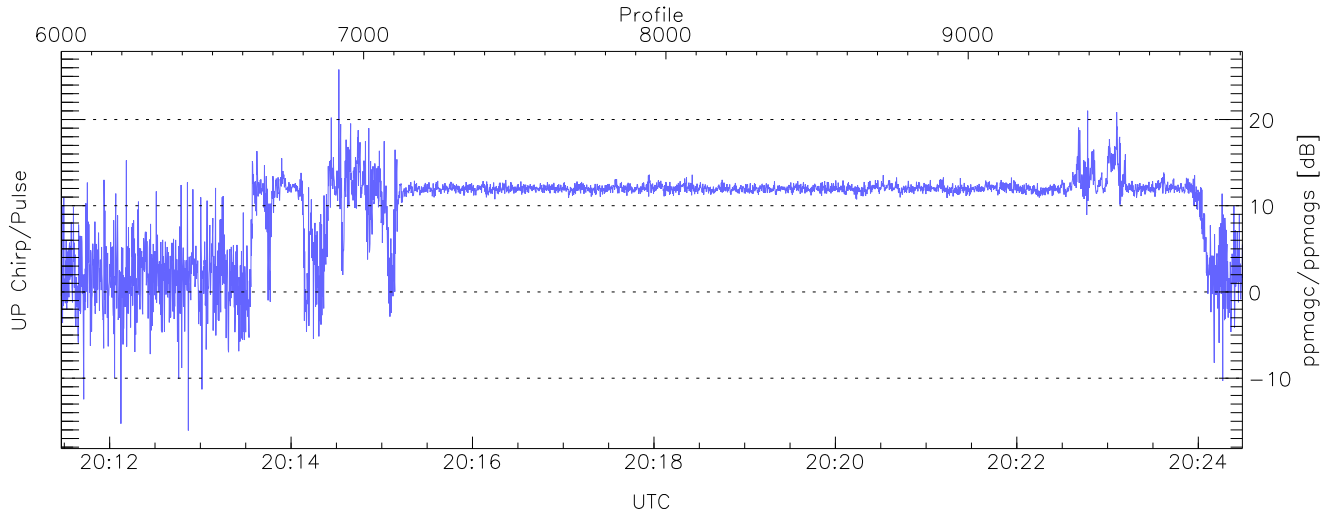
	Min	Max	Mean
UP Chirp(dBm)	-94.06	-47.60	-55.75
UP Pulse(dBm)	-98.26	-43.92	-51.60
DOWN Chirp(dBm)	-92.65	-36.48	-44.45
DOWN Pulse(dBm)	-94.87	-39.91	-47.98



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)	-39.98	40.05	4.06
UP Pulse(m/s)	-39.93	39.96	4.82
DOWN Chirp(m/s)	-39.96	39.89	-5.83
DOWN Pulse(m/s)	-40.02	40.01	-5.48



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-16.07	25.80	11.36
DOWN Chirp/Pulse(dBm)	-11.12	29.13	11.73
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-27.70	31.69	4.70