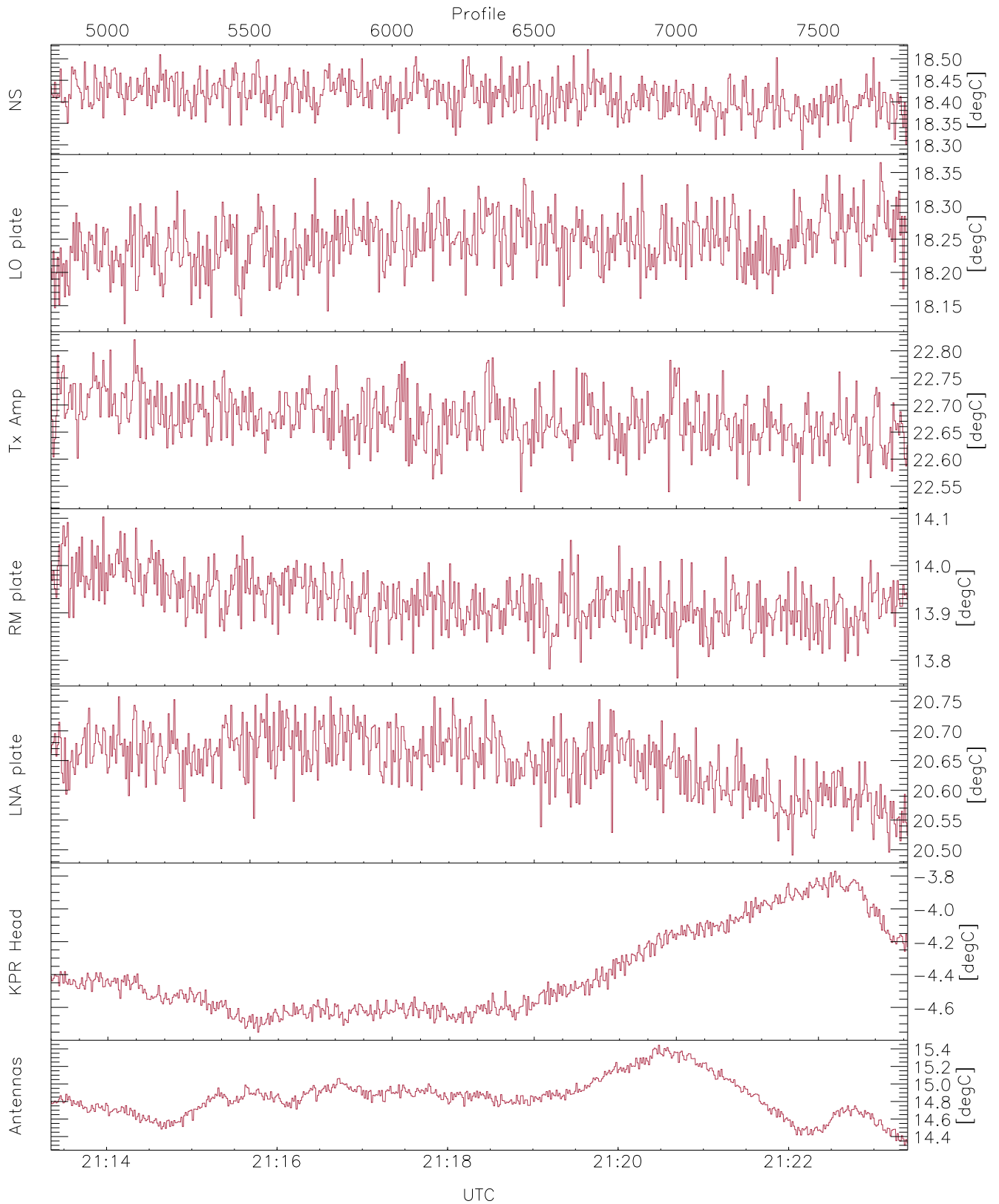


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 20:57:21-21:23:24, TimeCor: 0.00s, Dur: 602.80s
 TimeInt(min,max,mn,std): 193.7,206.3,200.0,0.3 ms; PPS: 5.0
 NumRec(r/t): 3015/7815, 4800-7814/21:13:21-21:23:24
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, avgPulses: 2000, avgPP: 1000
 NyquistVel: 42.1 m/s, RangeRes:30.0 m
 Pulse Range(min,max): 120, 6506 m, Gates: 427
 Chirp Range(min,max): 536, 6487 m, Gates: 398
 RangeGateSampling: 15.0 m, Aspect: 0.8

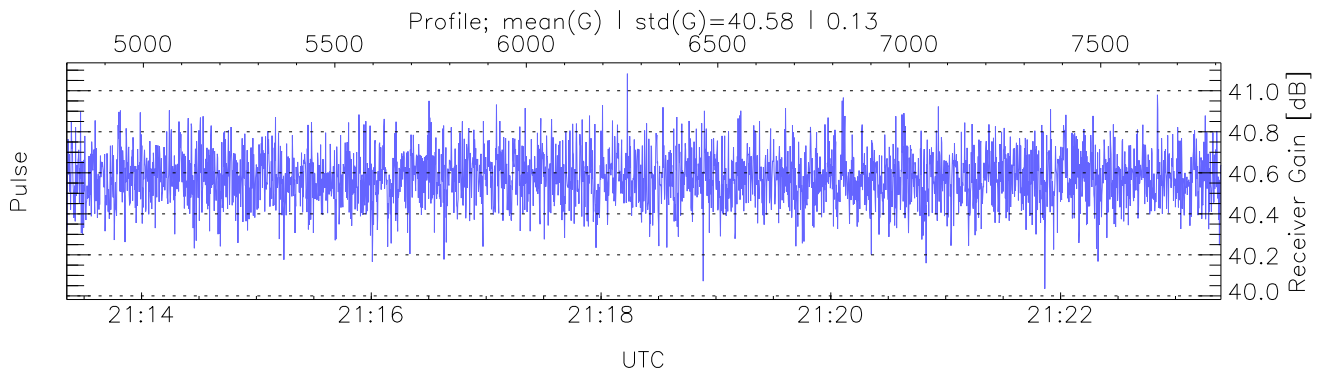
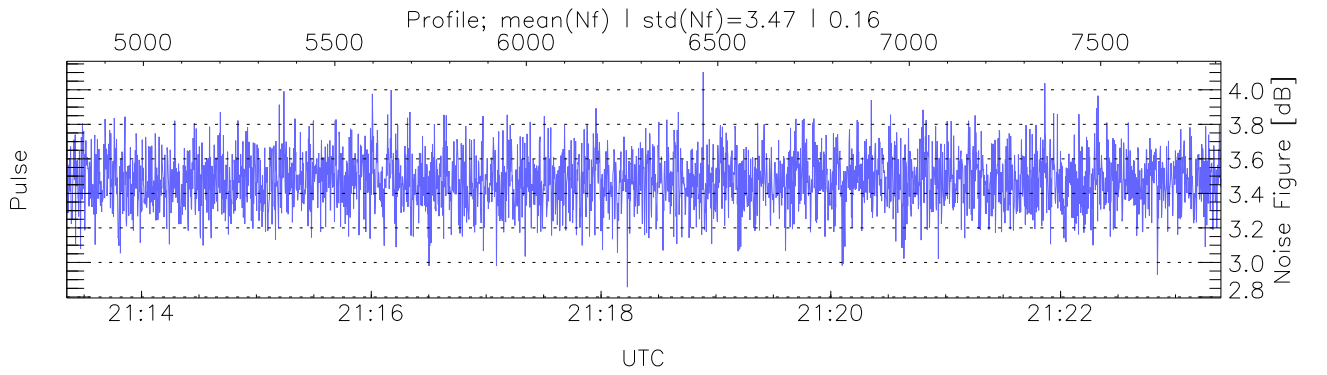
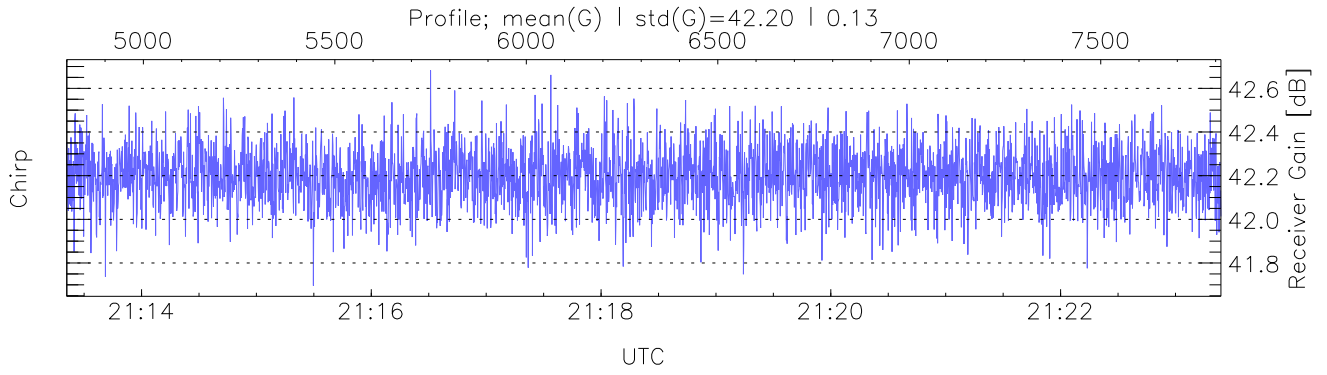
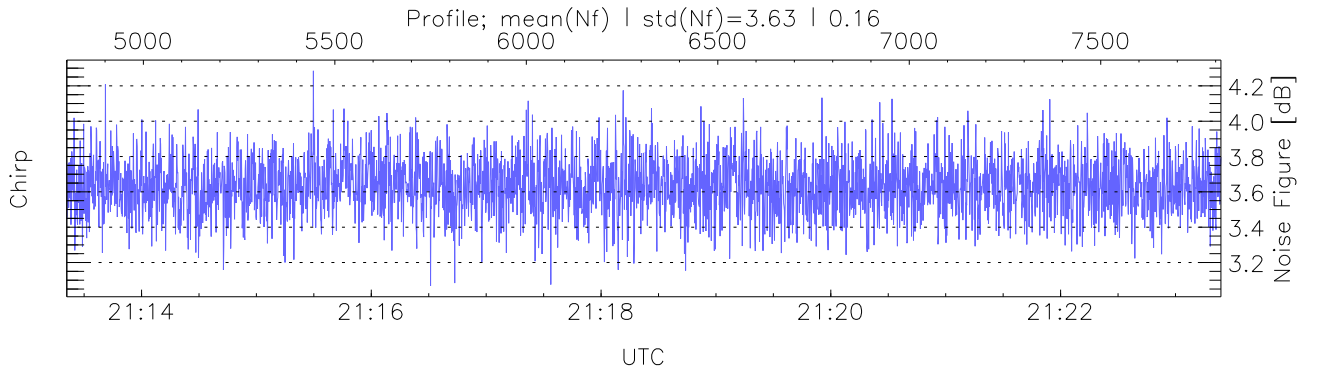


KPR SPP Temperatures, Power Supplies, PLO lock:

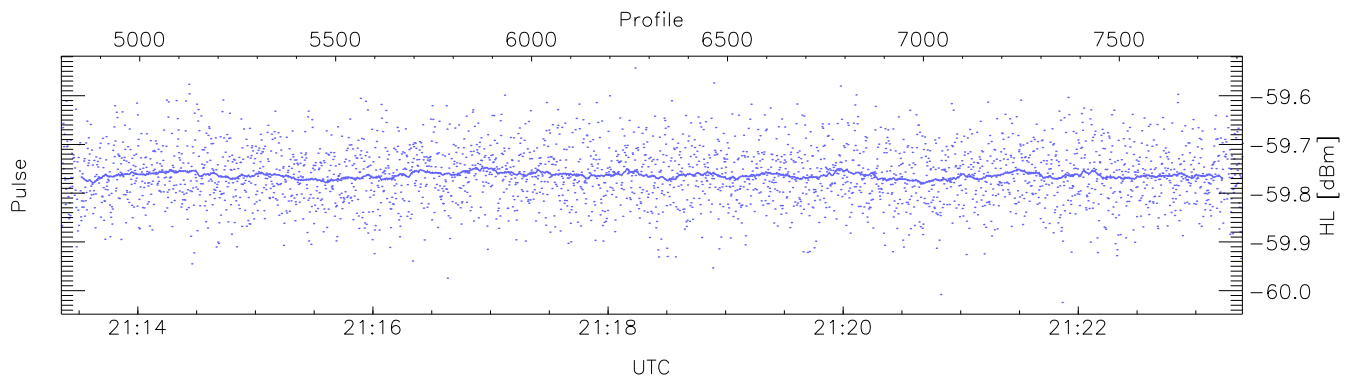
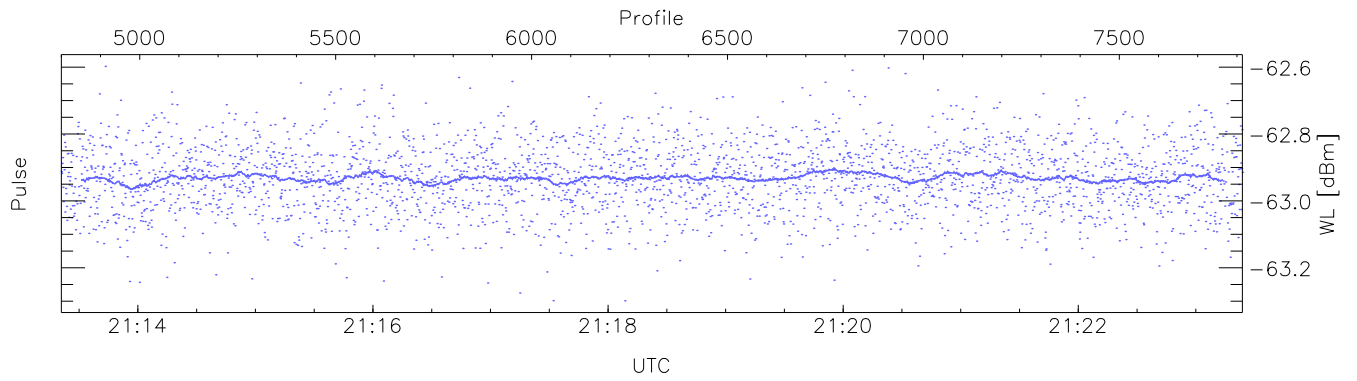
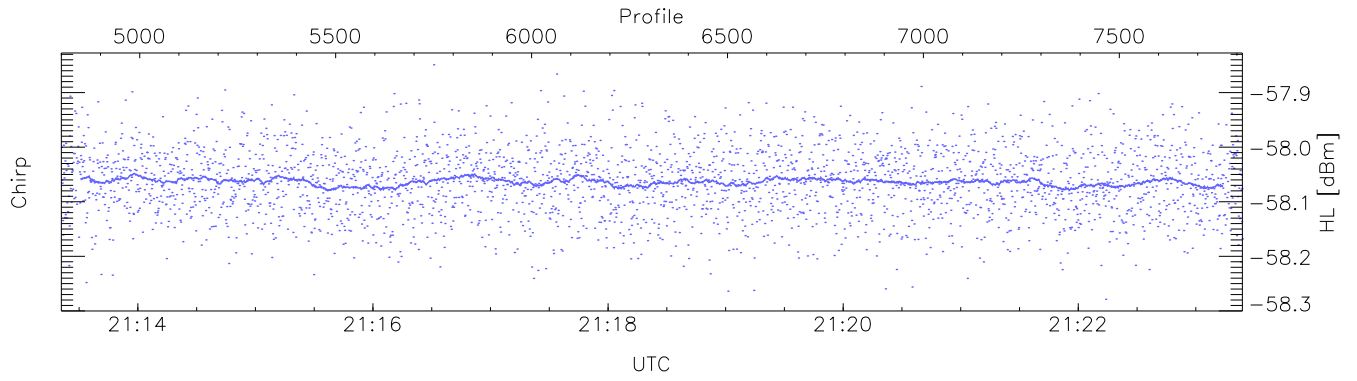
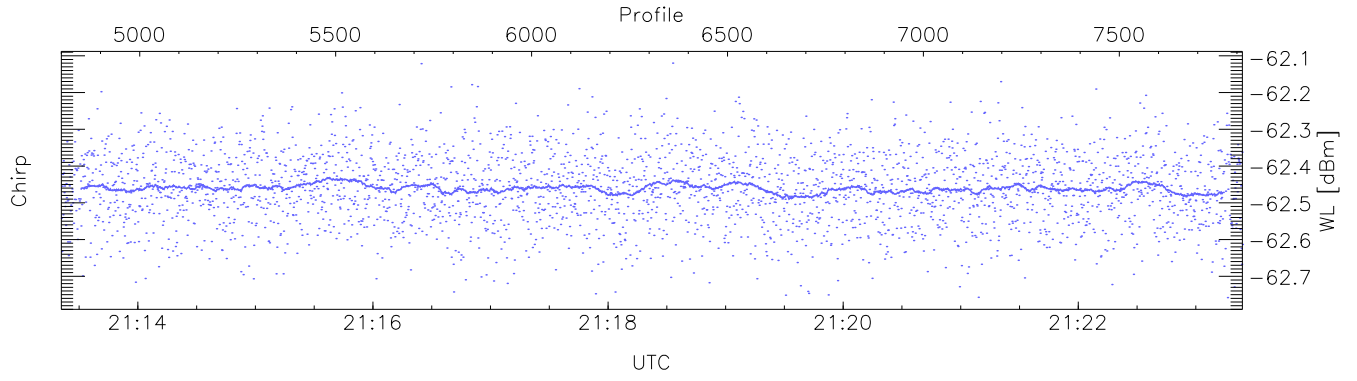
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	18.3,	18.1,	22.5,	13.8,	20.5,	-4.8,	14.3
maxtempC:	18.5,	18.4,	22.8,	14.1,	20.8,	-3.8,	15.4
meantempC:	18.4,	18.2,	22.7,	13.9,	20.6,	-4.4,	14.8

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.66,	11.69,	7.87,	5.21
maxVDC:	27.81,	11.74,	7.90,	5.23
meanVDC:	26.95,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

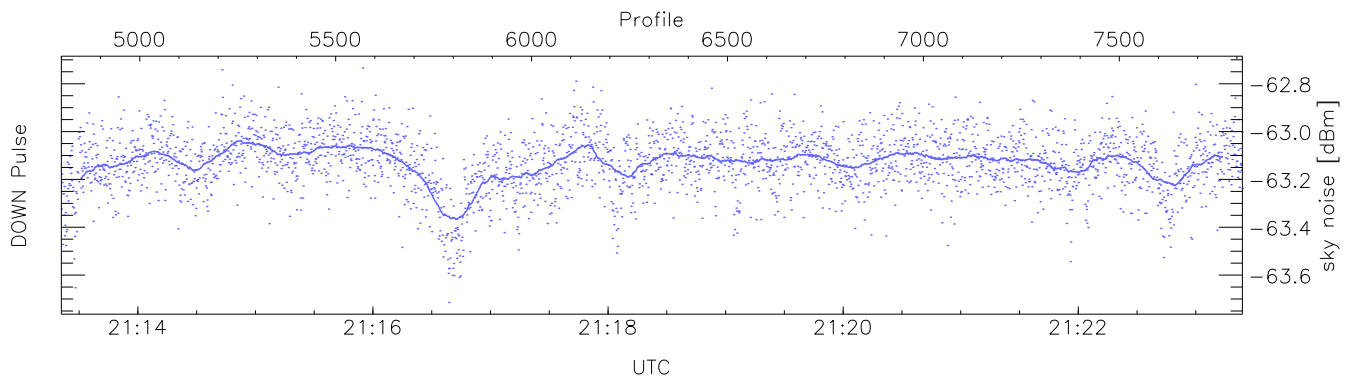
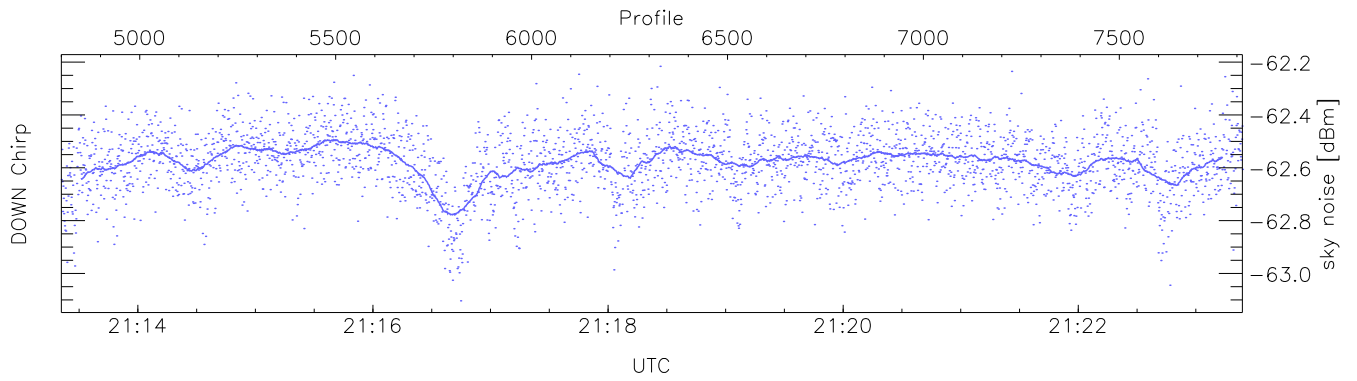
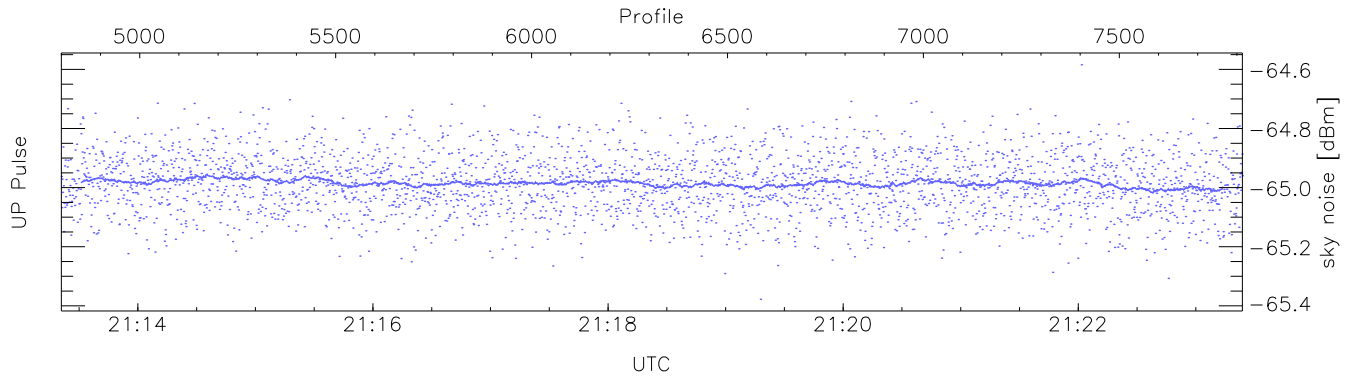
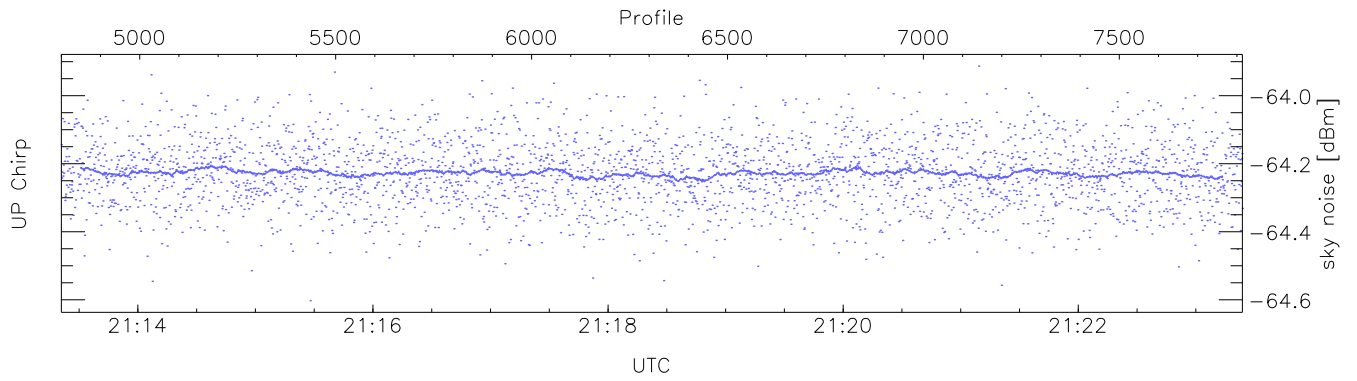


KPR SPP Receiver Gain and Noise Figure



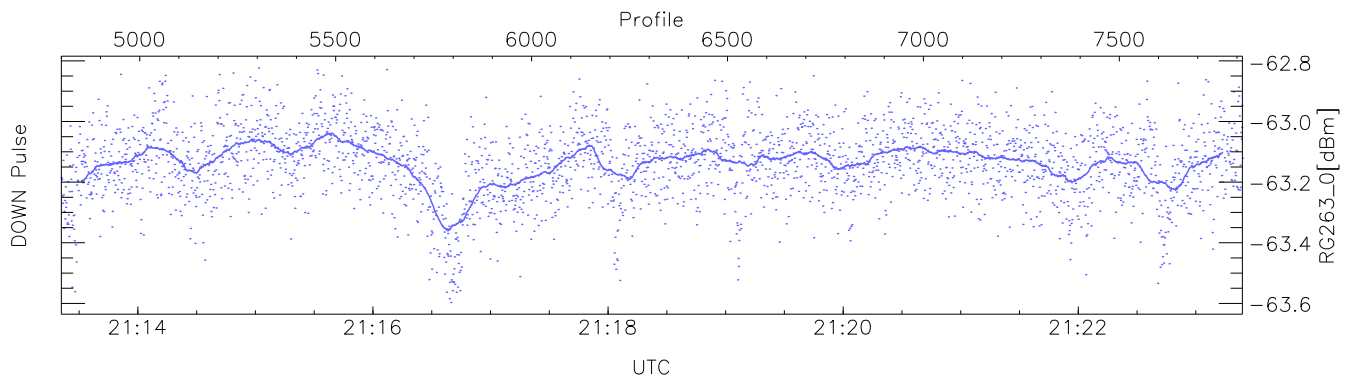
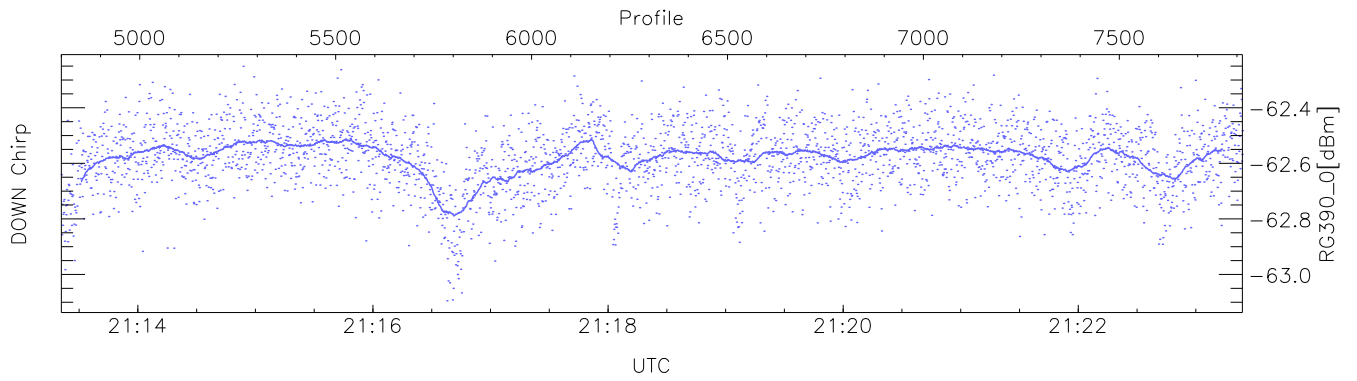
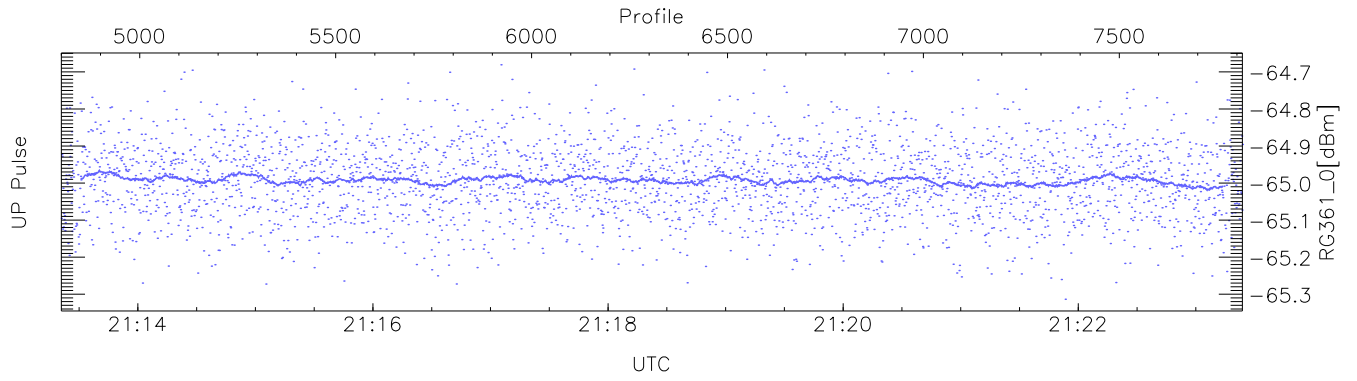
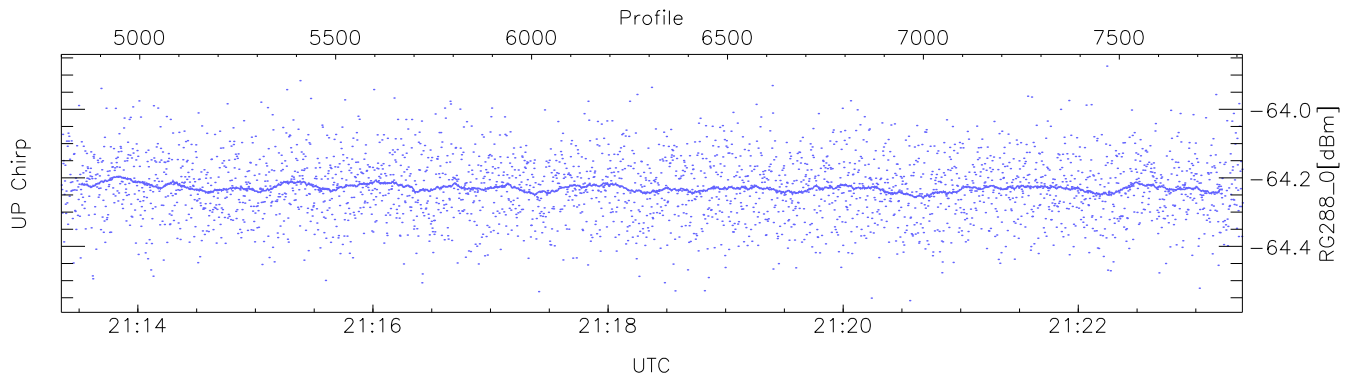
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.76	-62.12	-62.46	-62.46	-78.98
Chirp(HL [dBm])	-58.28	-57.85	-58.06	-58.06	-76.58
Pulse(WL [dBm])	-63.30	-62.60	-62.93	-62.93	-79.37
Pulse(HL [dBm])	-60.02	-59.54	-59.76	-59.76	-78.29



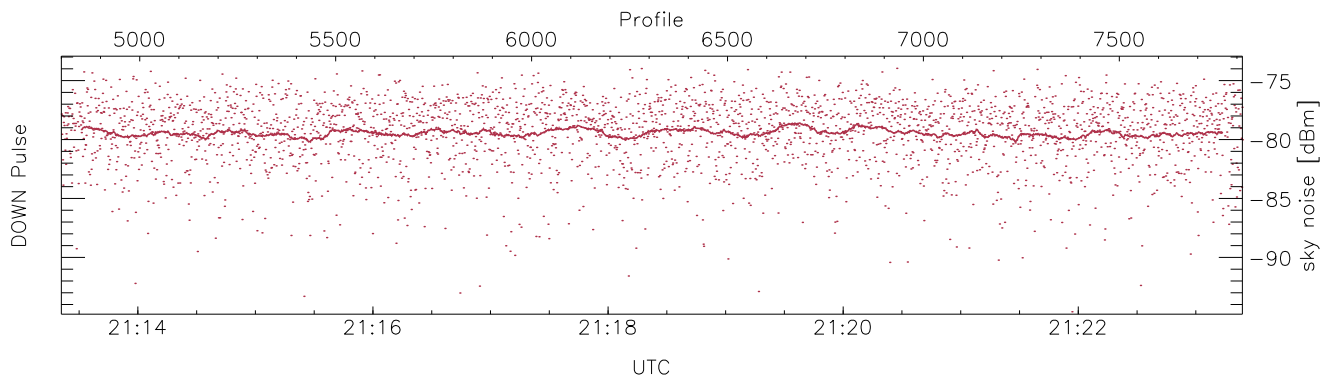
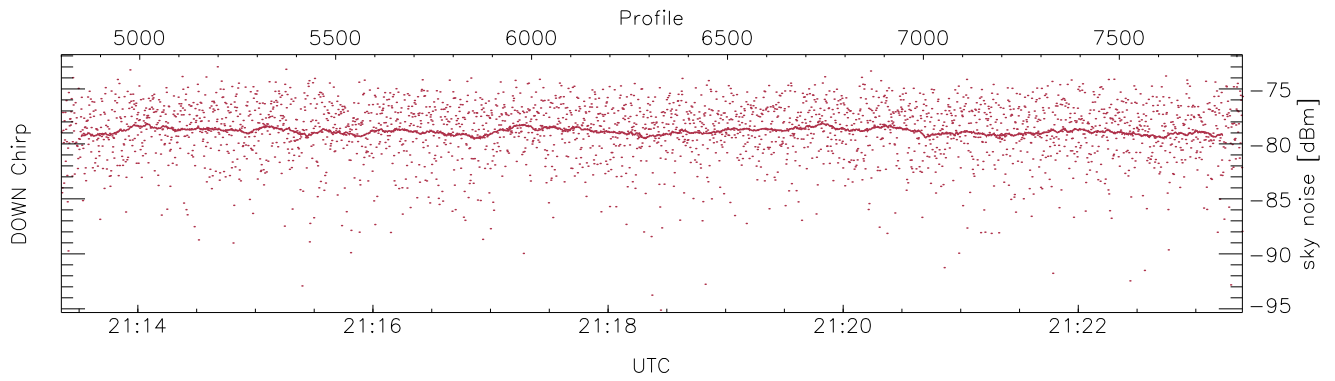
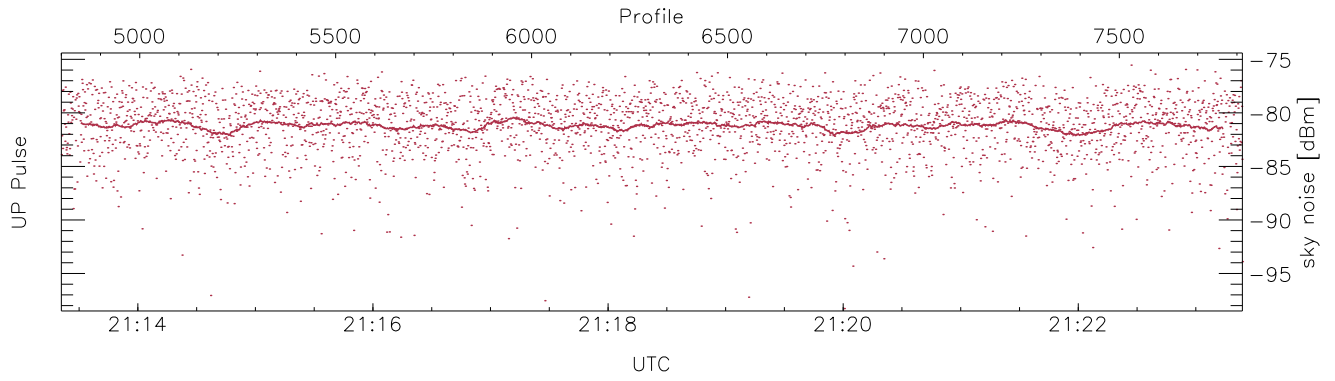
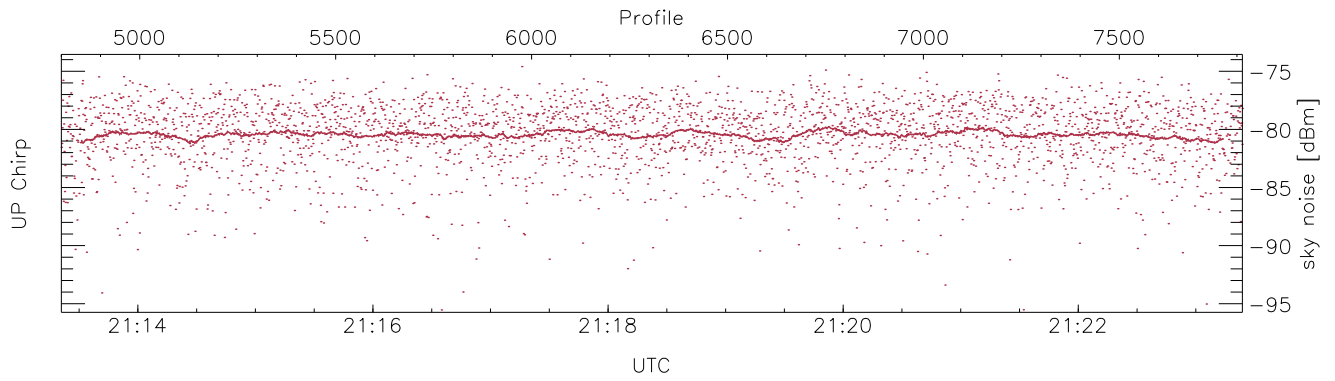
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.60	-63.91	-64.23	-64.23	-80.79
UP Pulse(dBm)	-65.38	-64.58	-64.98	-64.98	-81.46
DOWN Chirp(dBm)	-63.10	-62.22	-62.58	-62.57	-78.31
DOWN Pulse(dBm)	-63.71	-62.73	-63.13	-63.12	-78.69



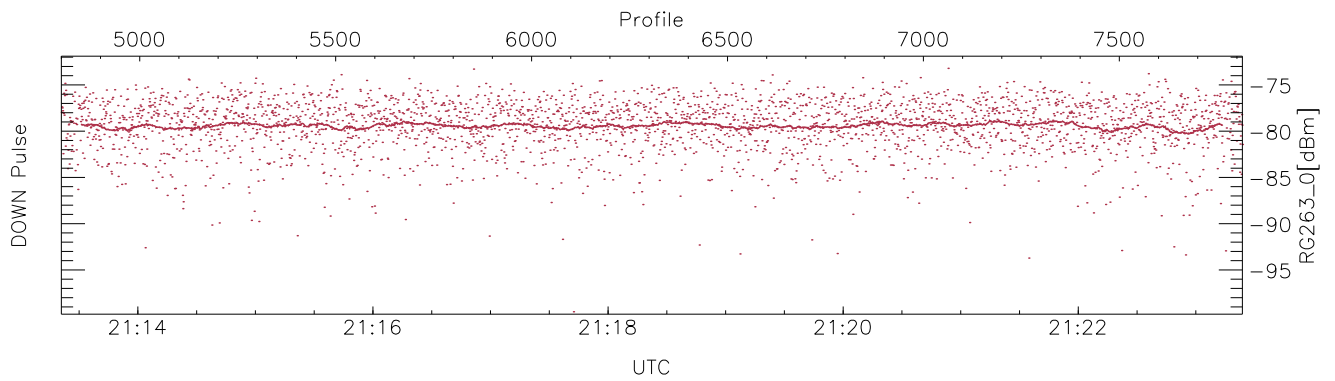
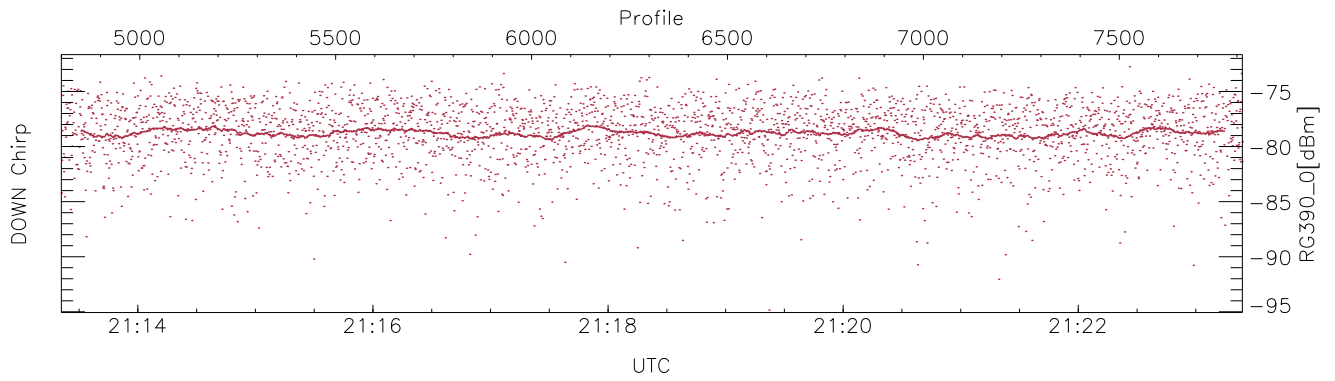
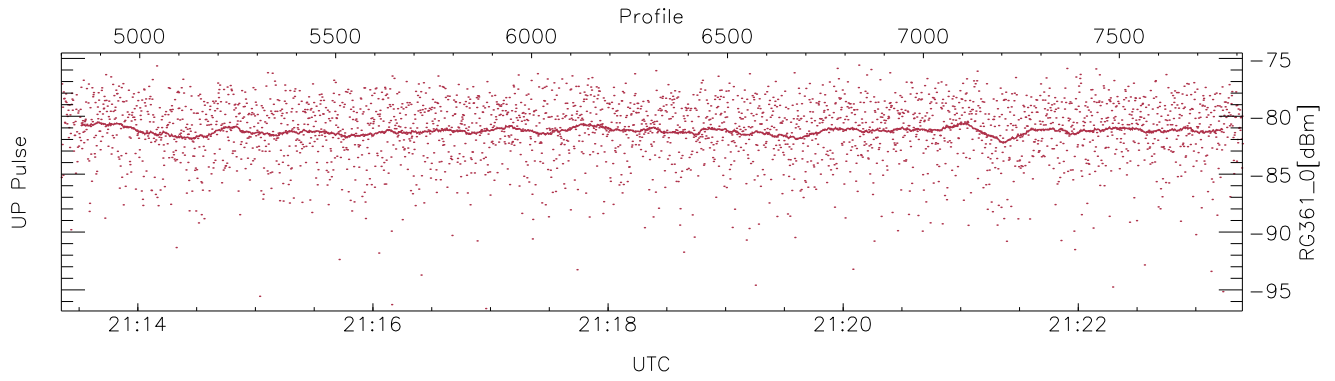
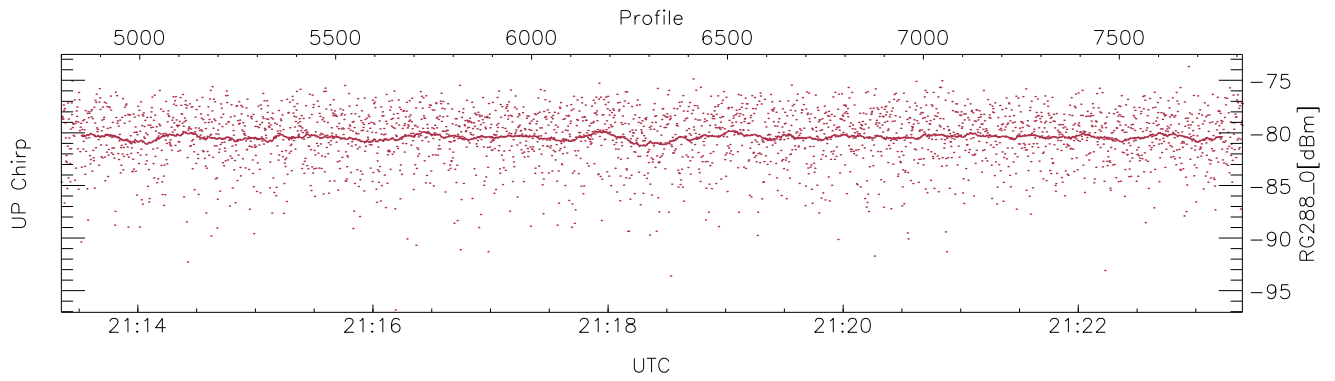
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG288_0	-64.56	-63.87	-64.23	-64.23	-80.72
UP_P_RG361_0	-65.31	-64.68	-64.99	-64.99	-81.46
DOWN_C_RG390_0	-63.09	-62.25	-62.58	-62.58	-78.29
DOWN_P_RG263_0	-63.60	-62.82	-63.14	-63.13	-78.80



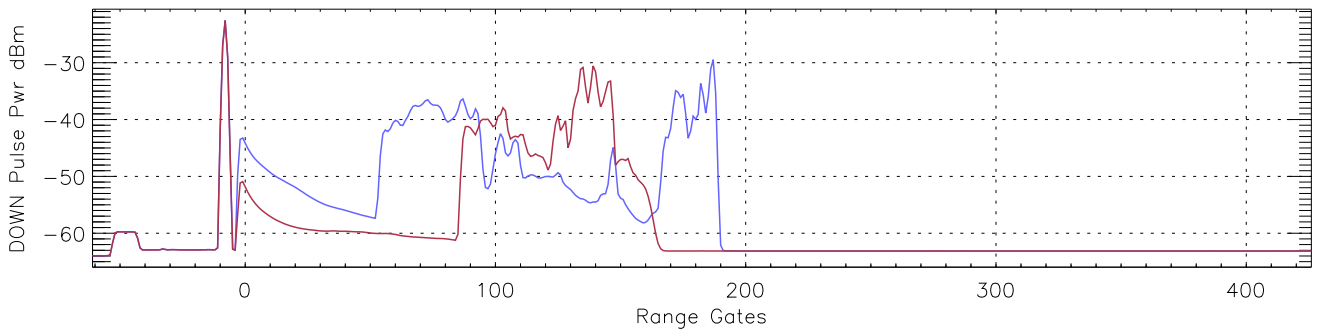
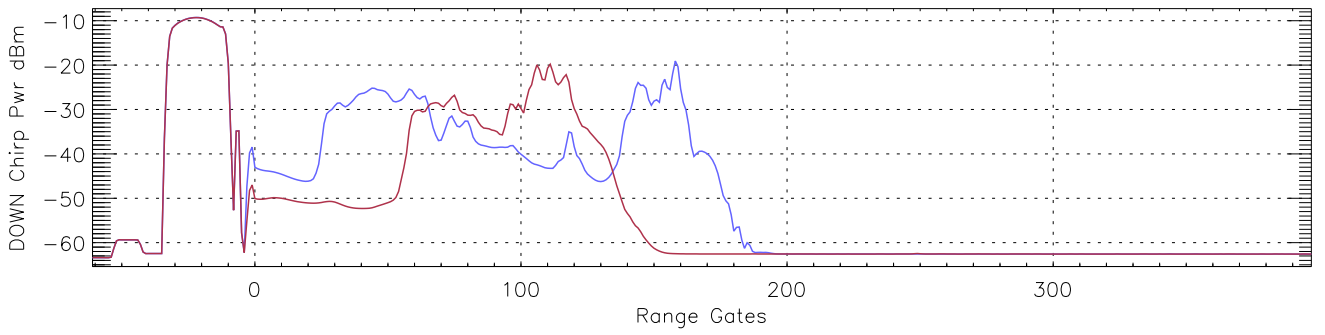
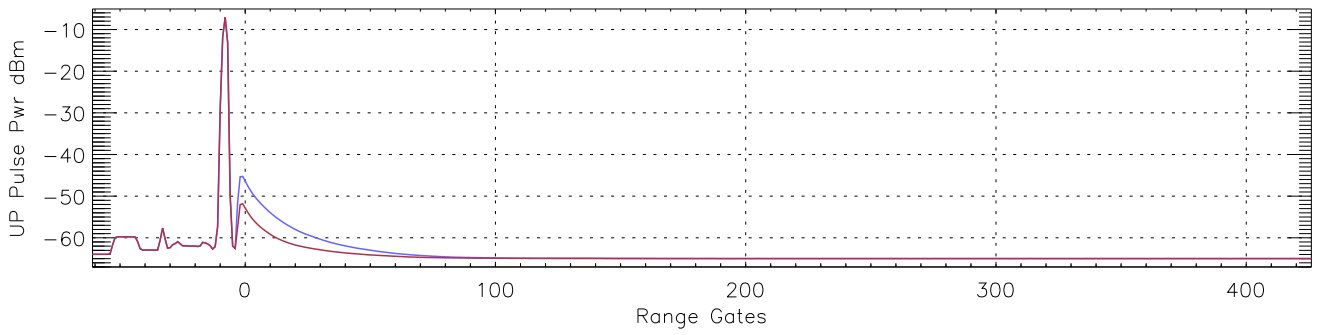
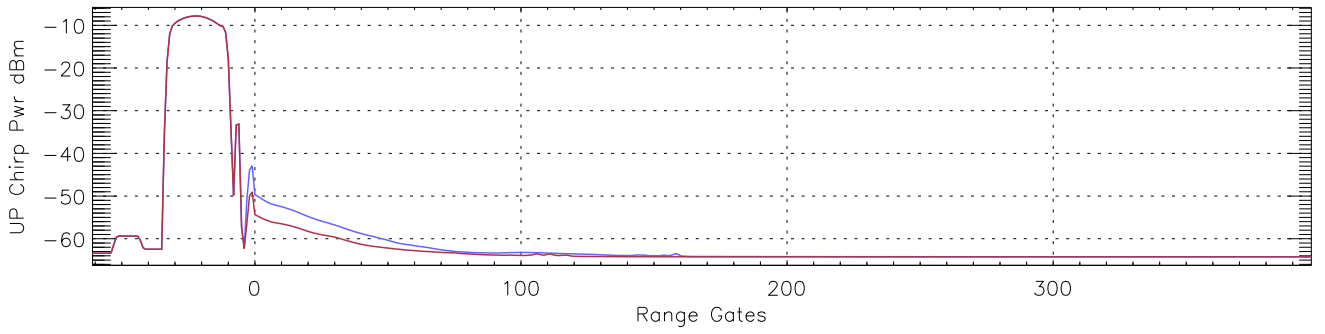
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-95.53	-74.59	-79.74	-79.98	-82.58
UP Pulse(dBm)	-98.27	-75.55	-80.47	-80.77	-83.26
DOWN Chirp(dBm)	-95.12	-72.99	-78.15	-78.44	-80.98
DOWN Pulse(dBm)	-94.61	-73.96	-78.69	-78.89	-81.43

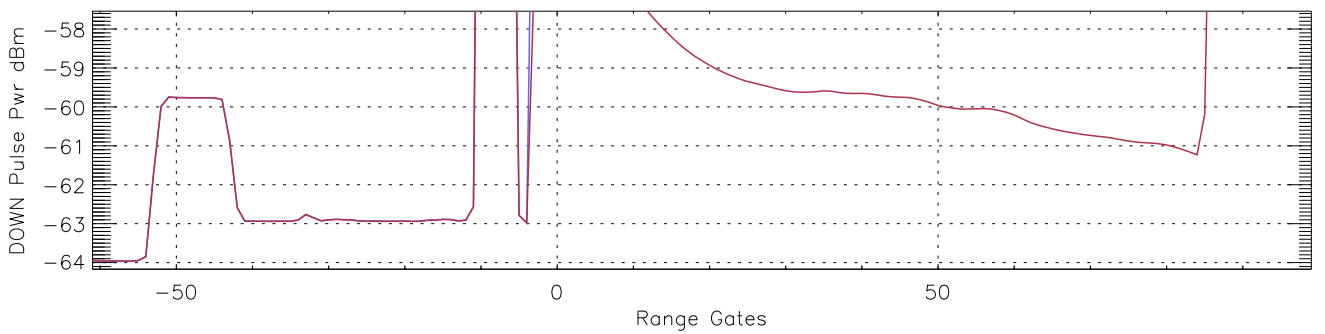
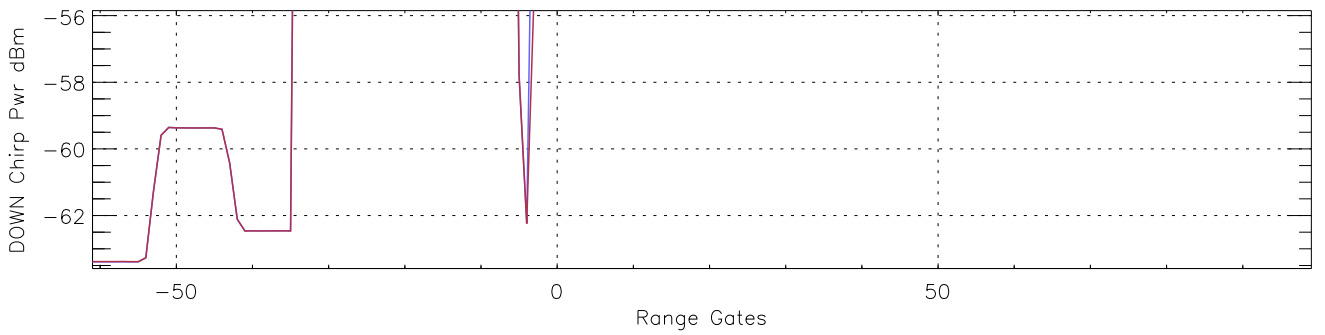
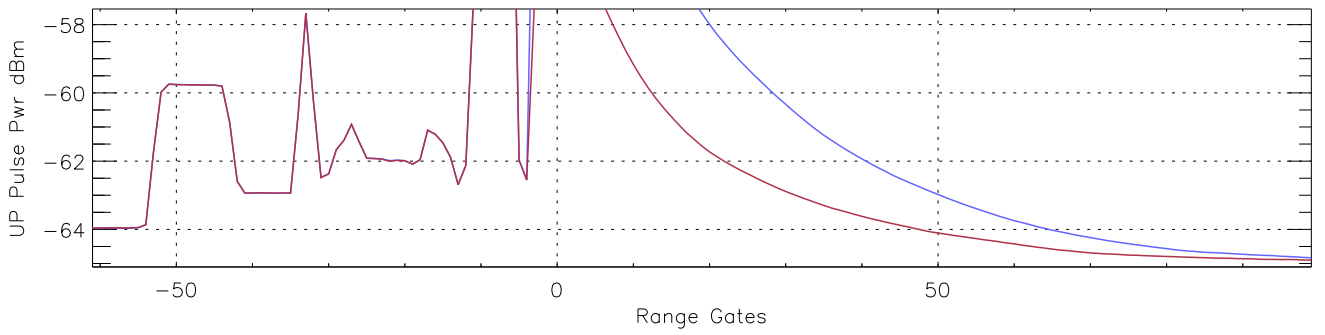
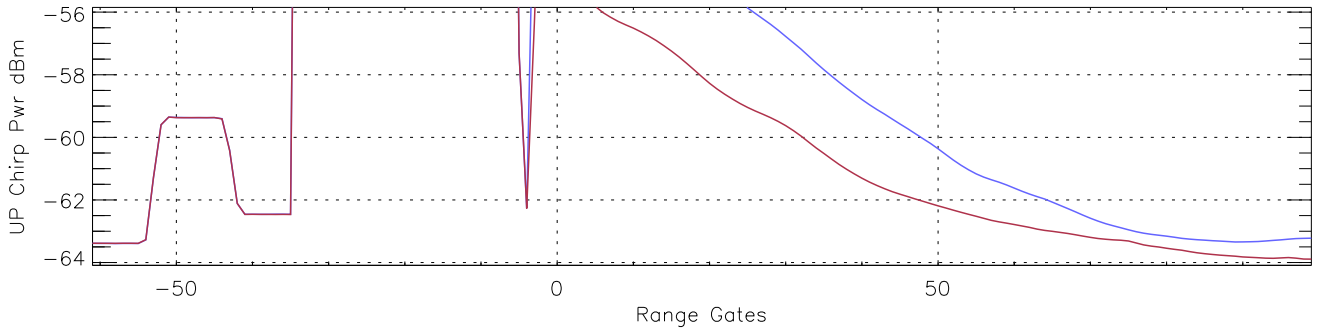


KPR SPP "Best" PPMAG noise (dBm):

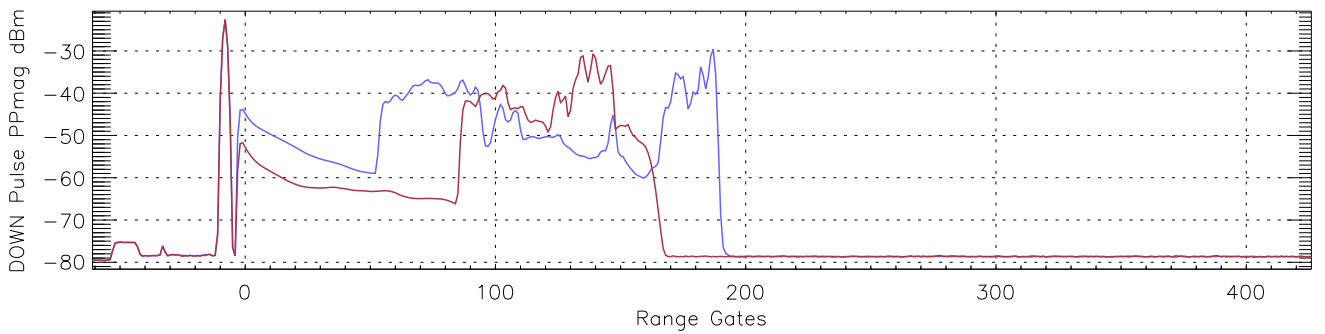
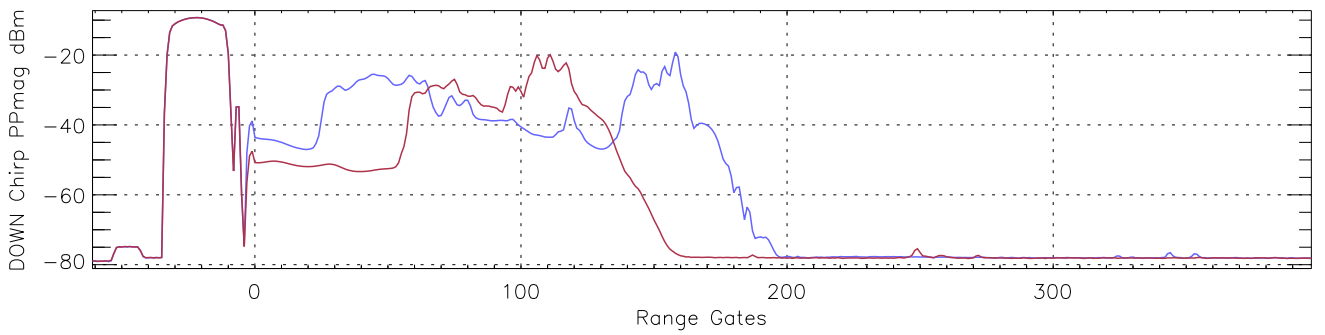
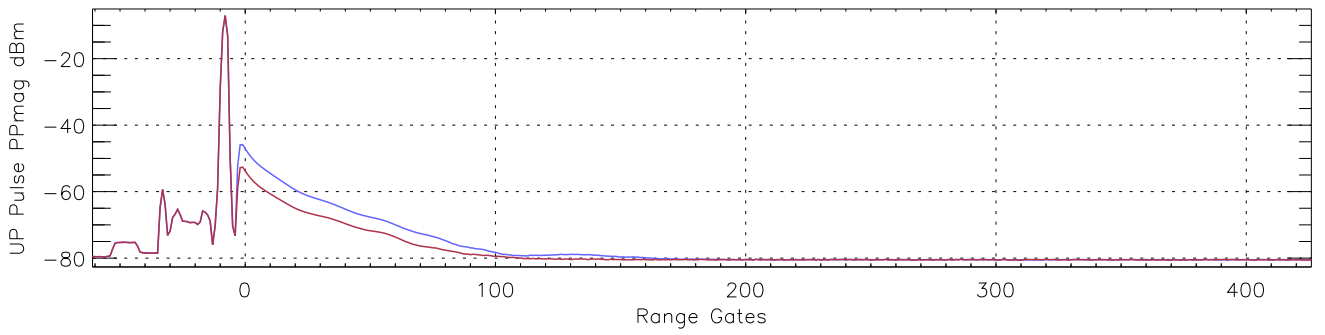
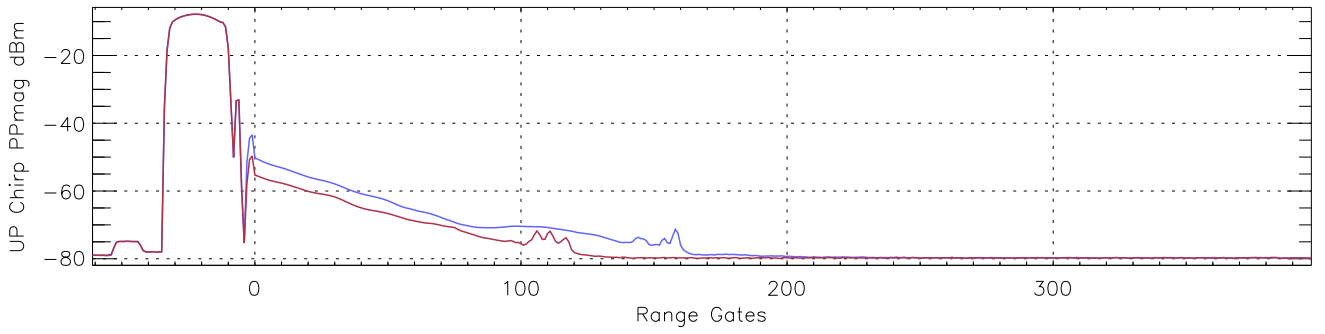
	Min	Max	Mean	Median	StDev
UP_C_RG288_0	-96.83	-73.69	-79.72	-79.97	-82.58
UP_P_RG361_0	-96.61	-75.59	-80.53	-80.77	-83.32
DOWN_C_RG390_0	-94.85	-72.76	-78.10	-78.38	-80.97
DOWN_P_RG263_0	-99.52	-73.21	-78.69	-78.95	-81.49



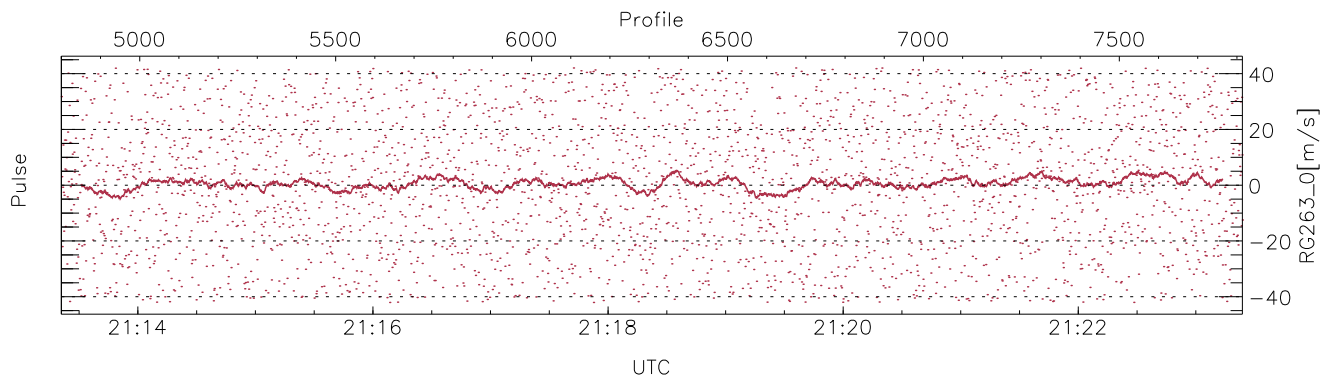
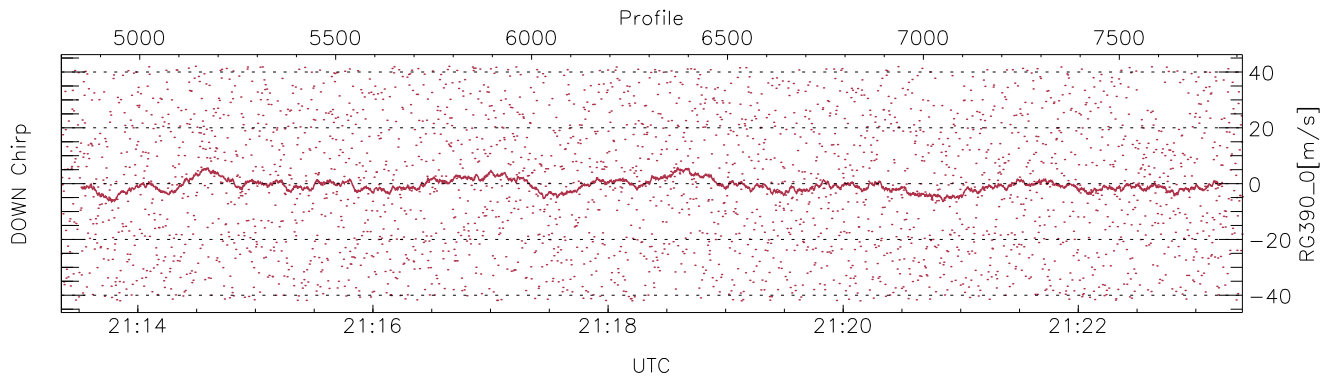
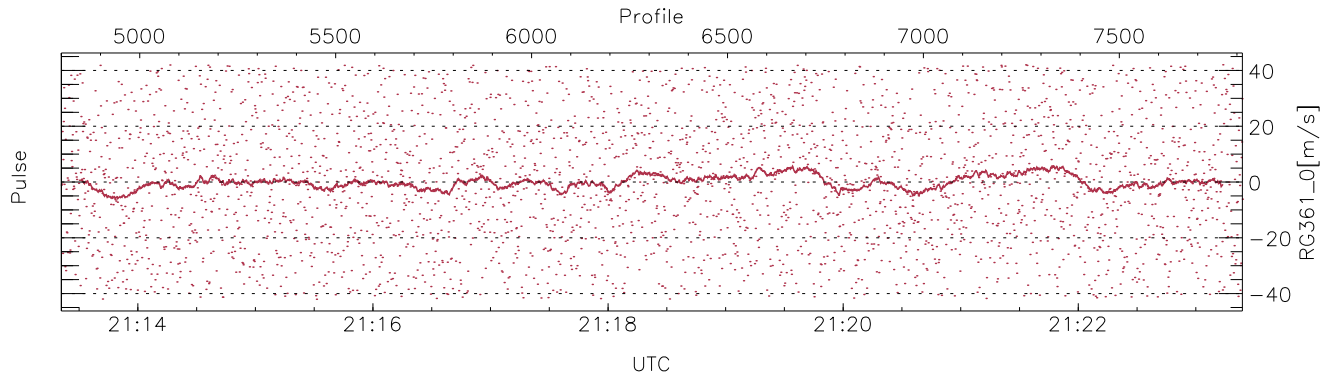
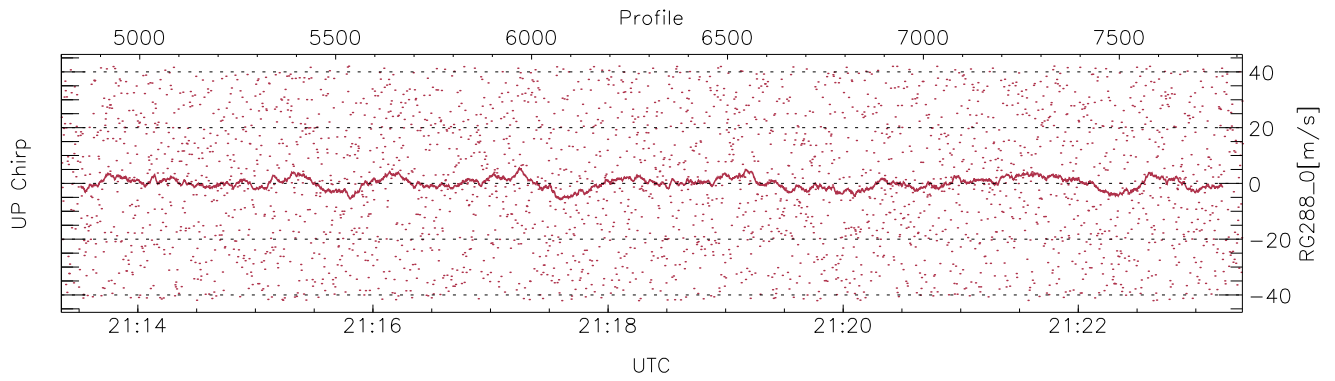
KPR SPP Averaged Received power for all recorded gates
blue: 211321-211822, 1508 profiles averaged
red: 211822-212324, 1508 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 211321-211822, 1508 profiles averaged
red: 211822-212324, 1508 profiles averaged

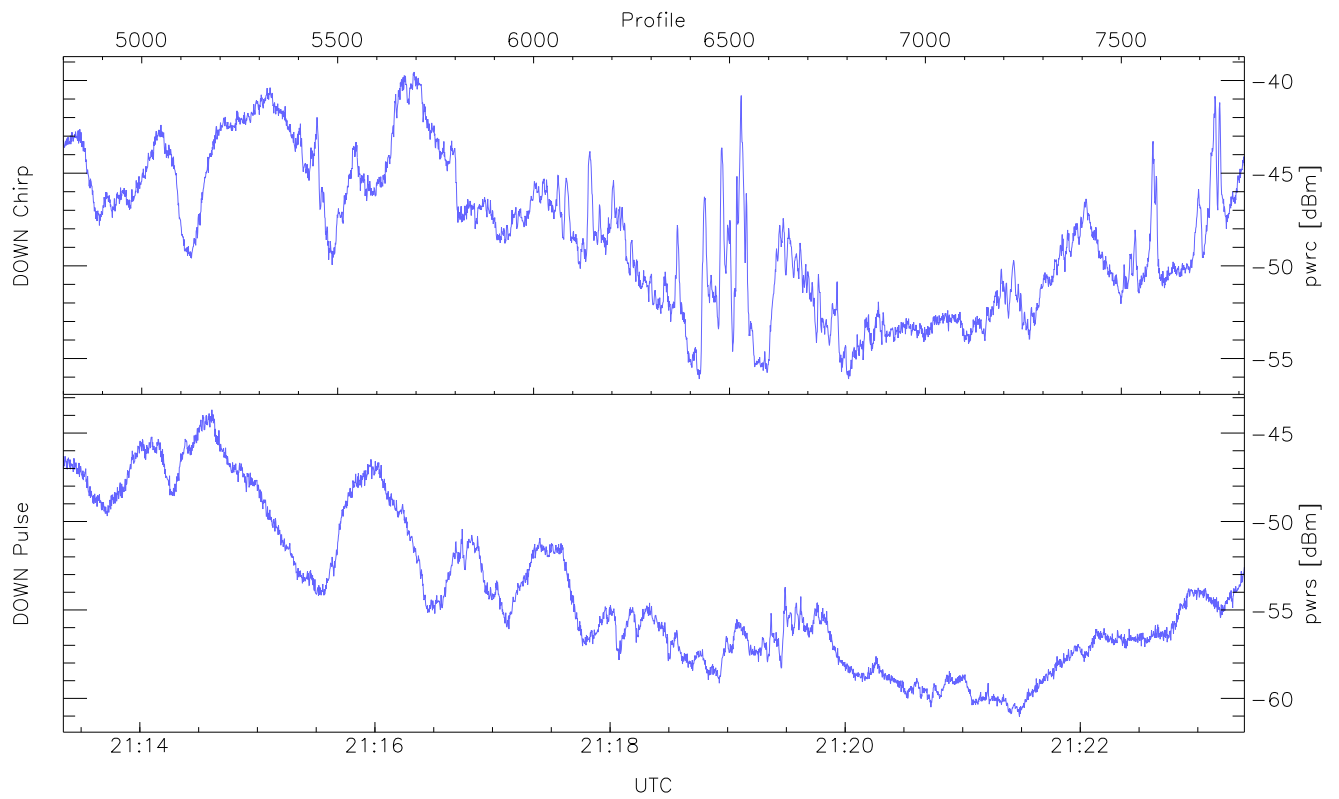
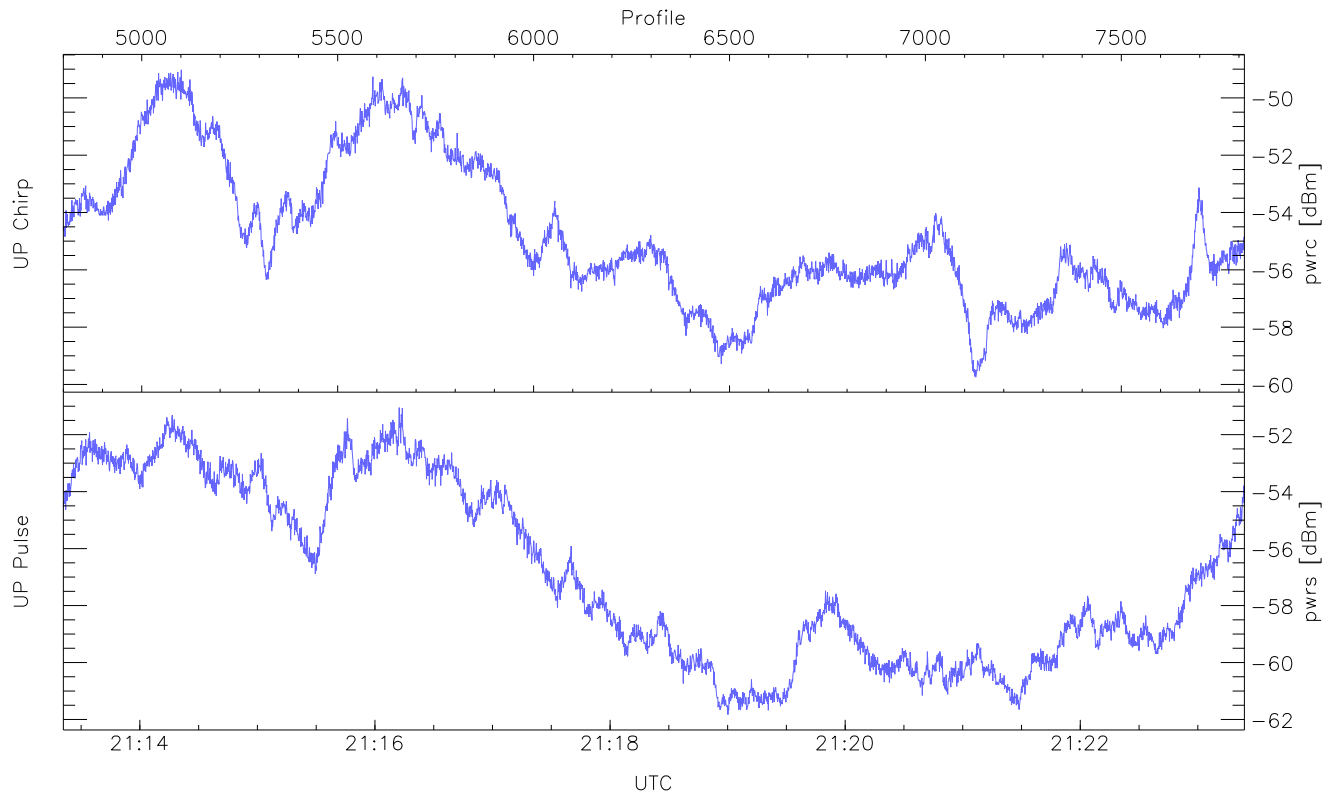


KPR SPP Averaged PP magnitude for all recorded gates
blue: 211321-211822, 1508 profiles averaged
red: 211822-212324, 1508 profiles averaged



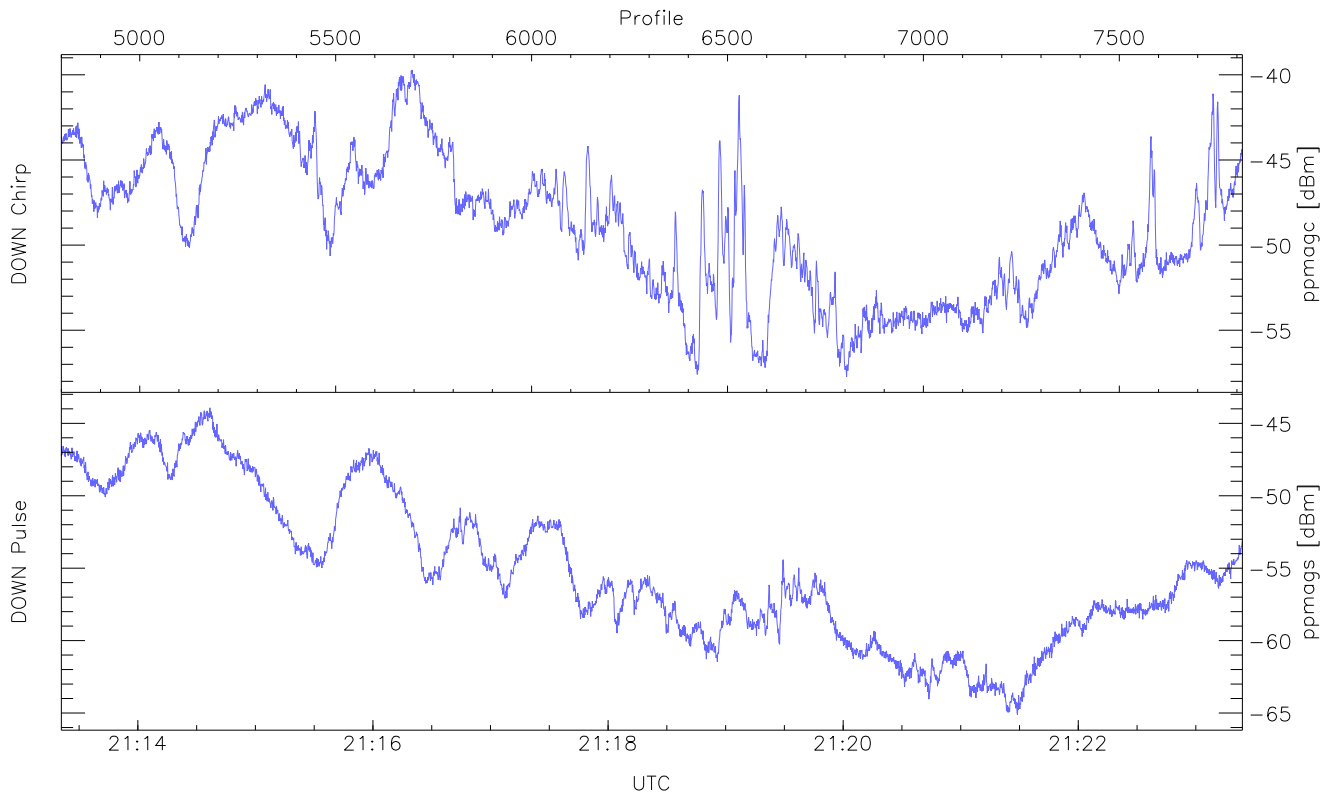
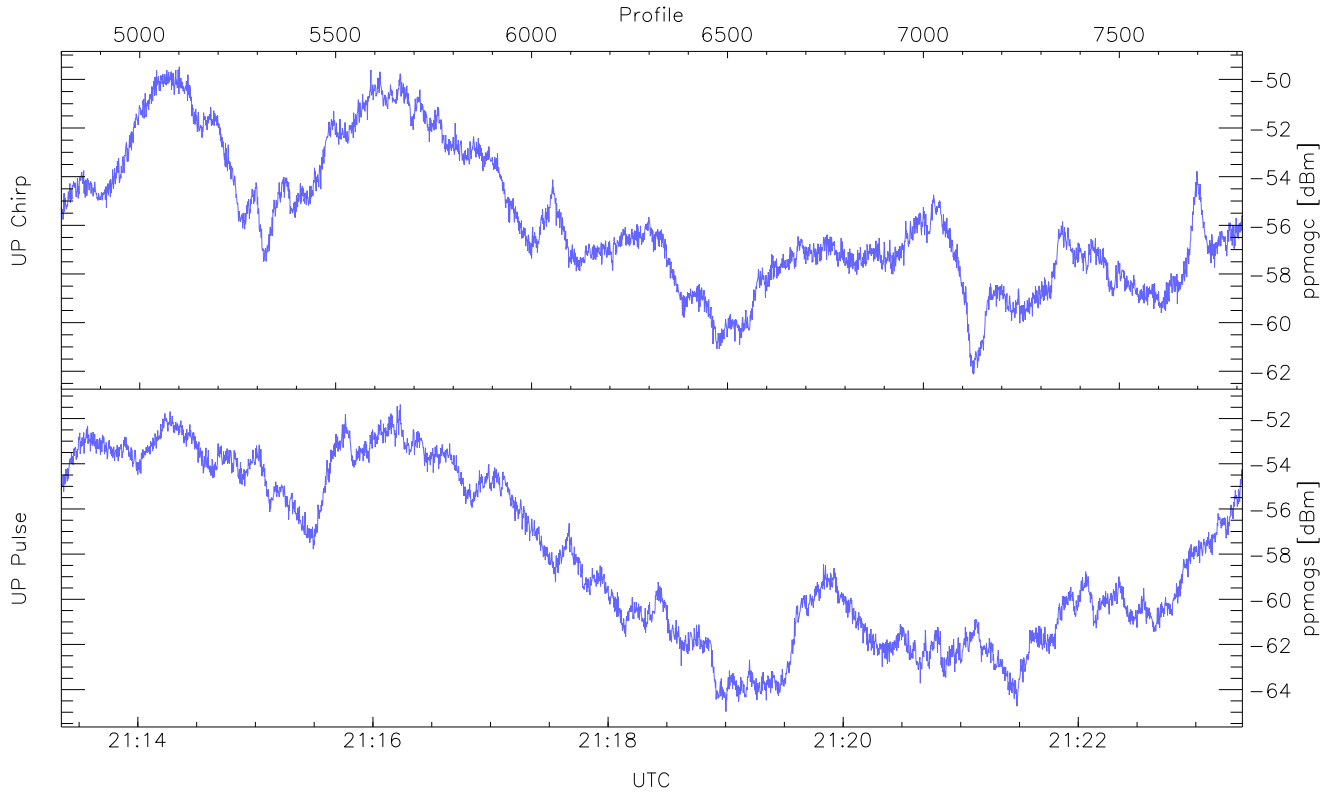
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG288_0	-42.04	42.05	0.03	-0.23	24.11
UP_P_RG361_0	-42.04	42.06	-0.08	-0.35	22.48
DOWN_C_RG390_0	-42.01	42.03	-0.73	-0.73	24.01
DOWN_P_RG263_0	-42.06	42.06	0.53	1.24	23.07



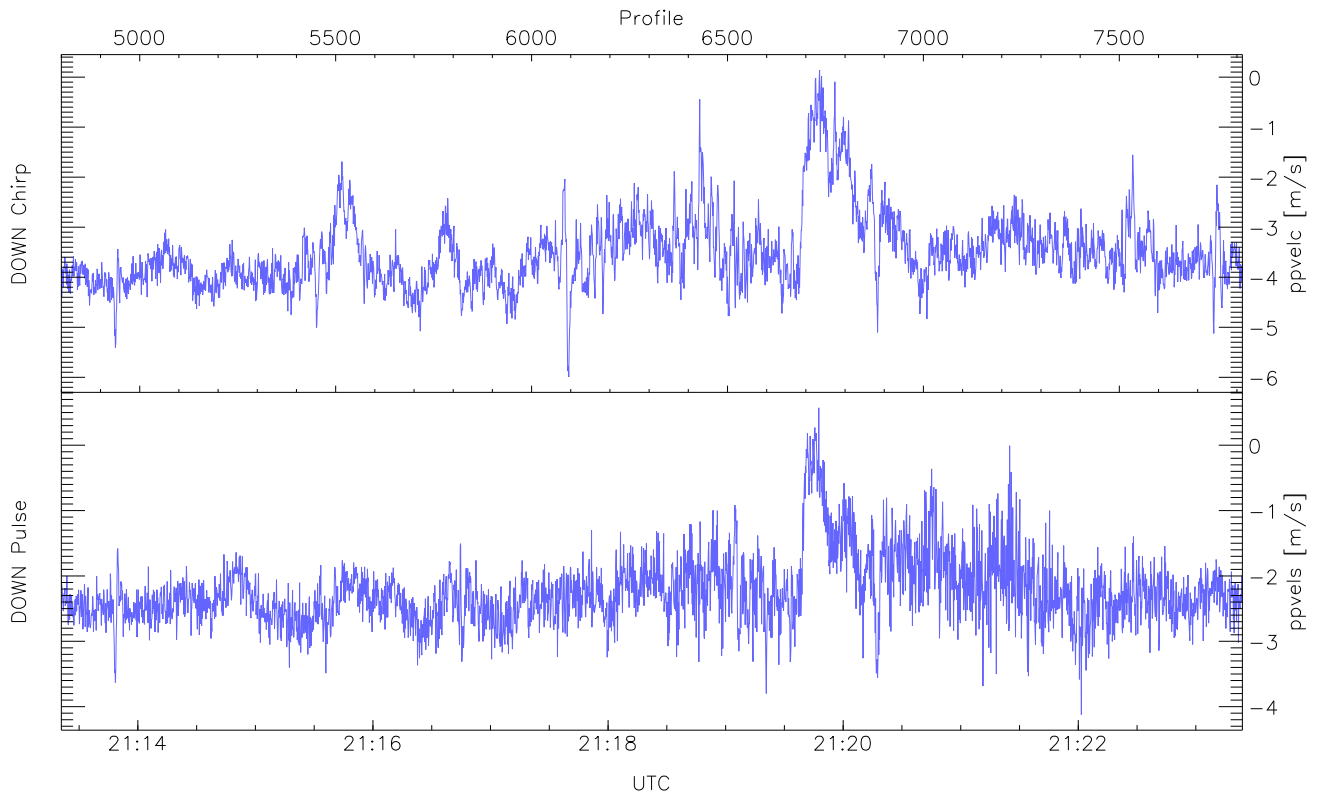
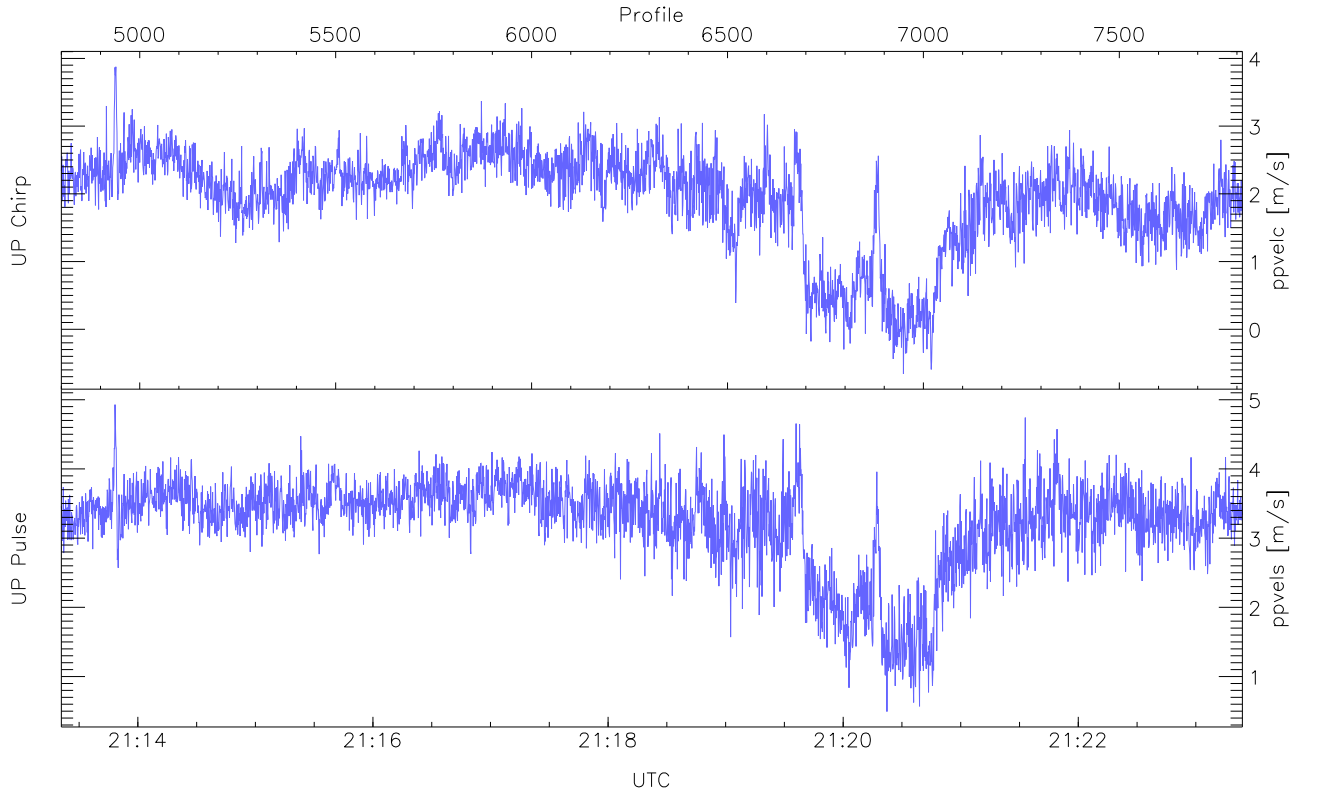
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-59.73	-49.02	-54.05
UP Pulse(dBm)	-61.83	-51.05	-55.82
DOWN Chirp(dBm)	-56.10	-39.54	-46.50
DOWN Pulse(dBm)	-61.04	-43.68	-51.65



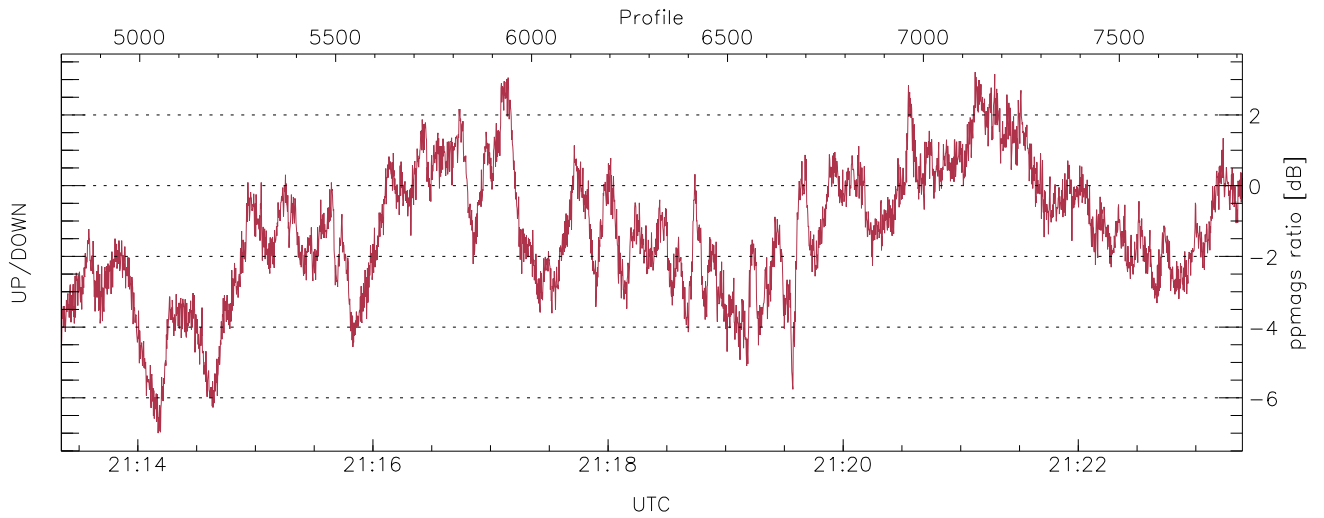
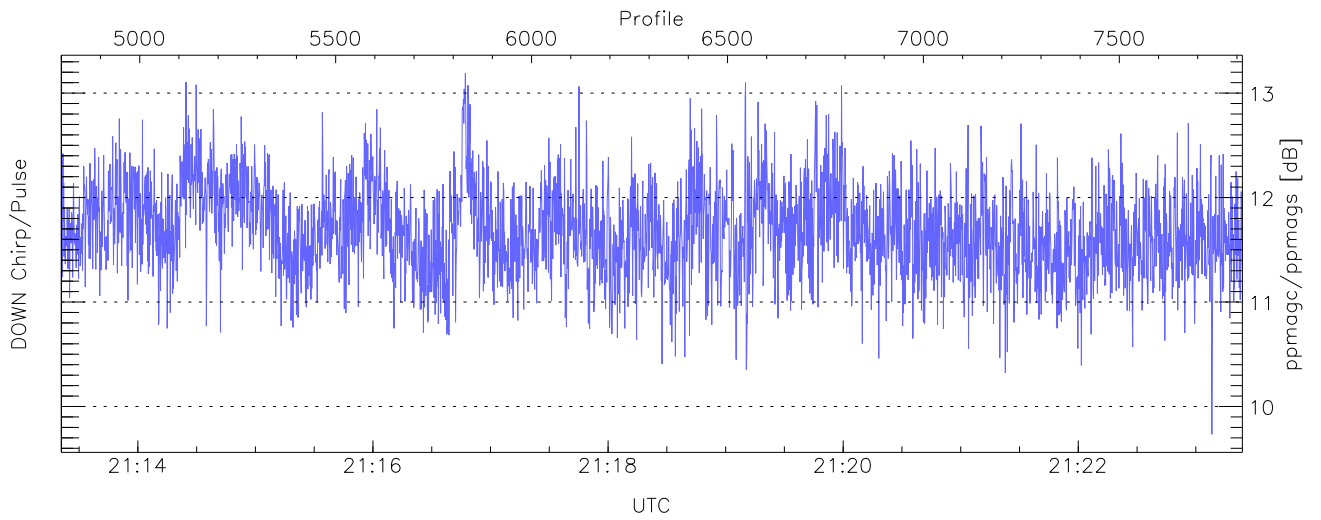
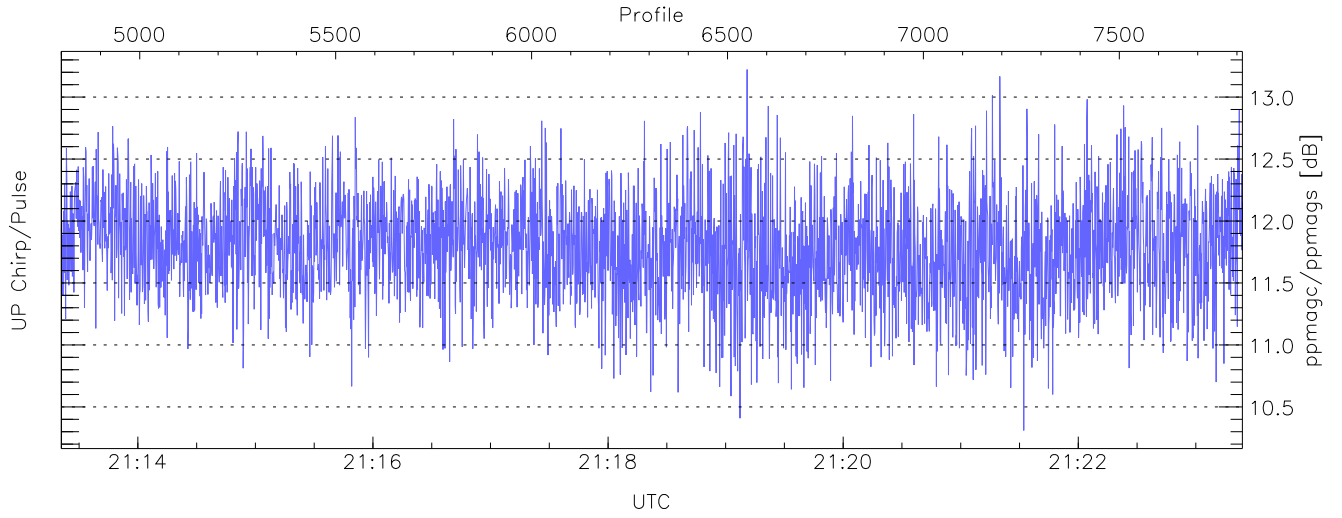
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-62.11	-49.48	-54.84
UP Pulse(dBm)	-64.97	-51.38	-56.56
DOWN Chirp(dBm)	-57.75	-39.71	-46.95
DOWN Pulse(dBm)	-65.12	-43.92	-52.15



KPR SPP PPVEL for Chirp Range gate 10 (686.2 m)
 KPR SPP PPVEL for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(m/s)	-0.66	3.88	1.95
UP Pulse(m/s)	0.49	4.93	3.23
DOWN Chirp(m/s)	-5.99	0.14	-3.51
DOWN Pulse(m/s)	-4.12	0.57	-2.24



KPR SPP PPMAG Chirp/Pulse; Range gate: 551.3m /570.5m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	10.31	13.22	11.81
DOWN Chirp/Pulse(dBm)	9.73	13.19	11.71
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-7.00	3.21	-0.95