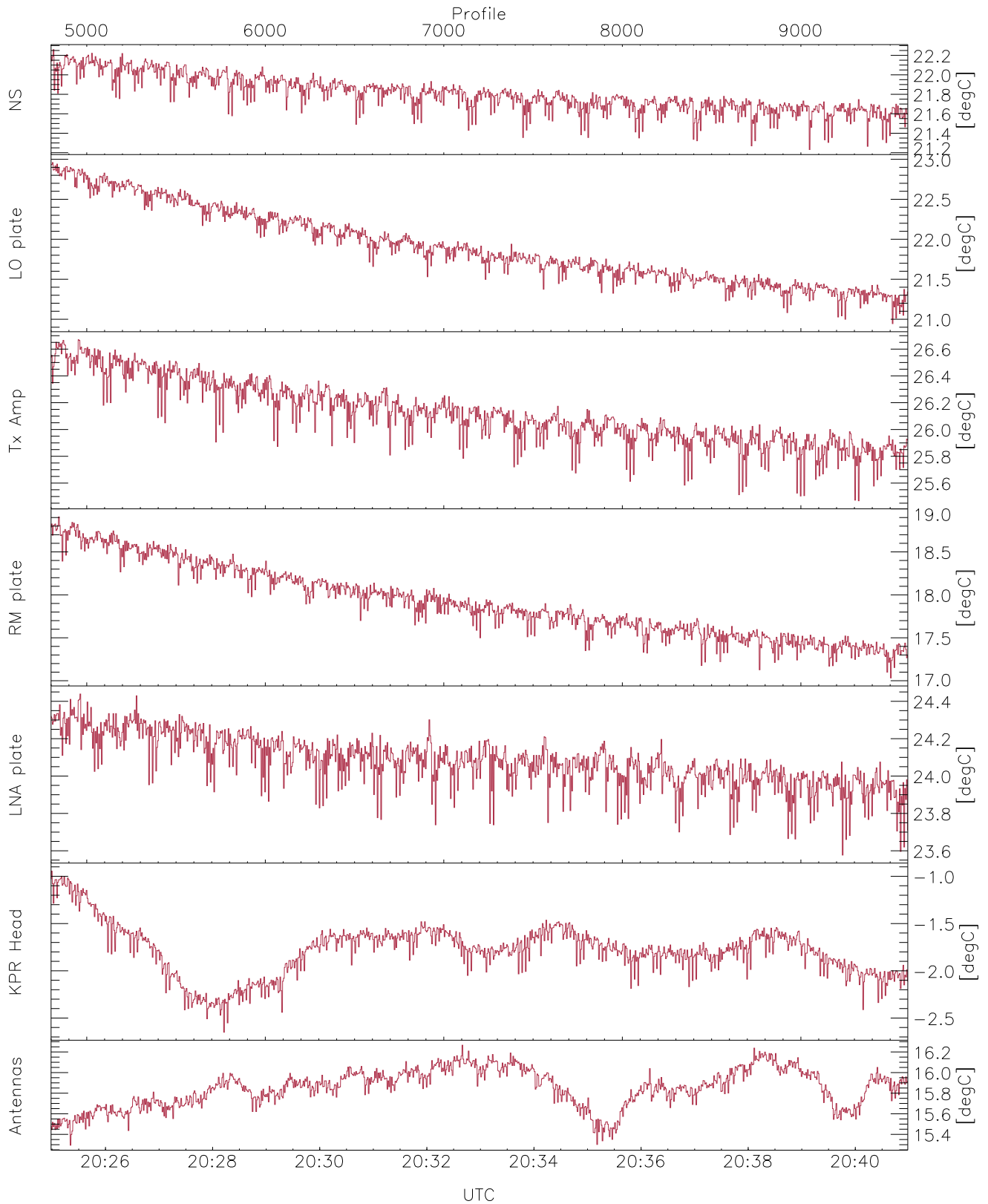


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 20:08:59-20:54:28, TimeCor: 0.00s, Dur: 959.80s
 TimeInt(min,max,mn,std): 188.4,211.6,200.0,1.0 ms; PPS: 5.0
 NumRec(r/t): 4800/13644, 4800-9599/20:24:59-20:40:59
 AcqTime(req.,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s
 Pulse: 247 ns, Chirp: 2.47 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

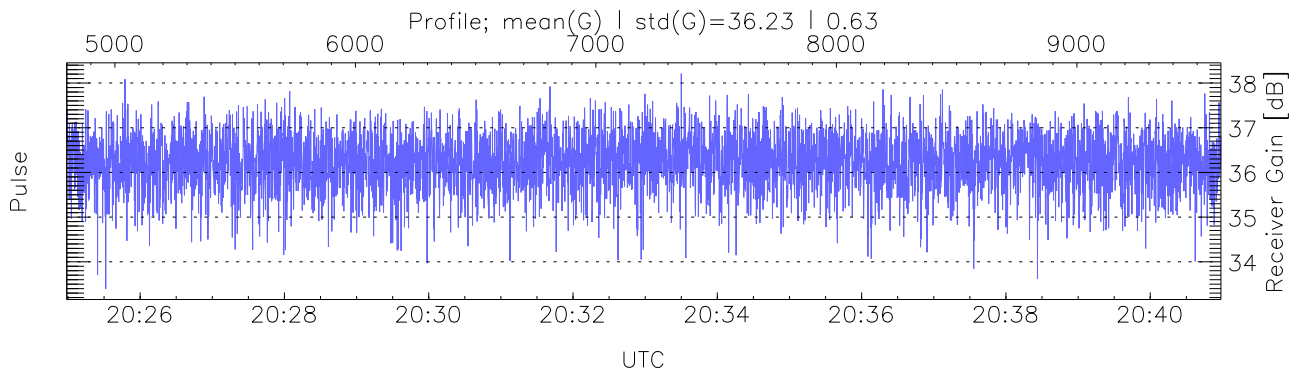
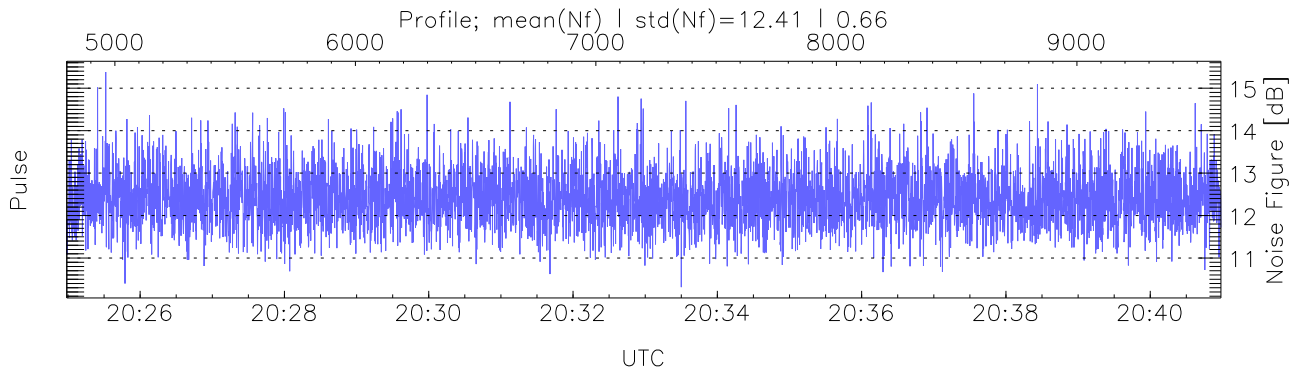
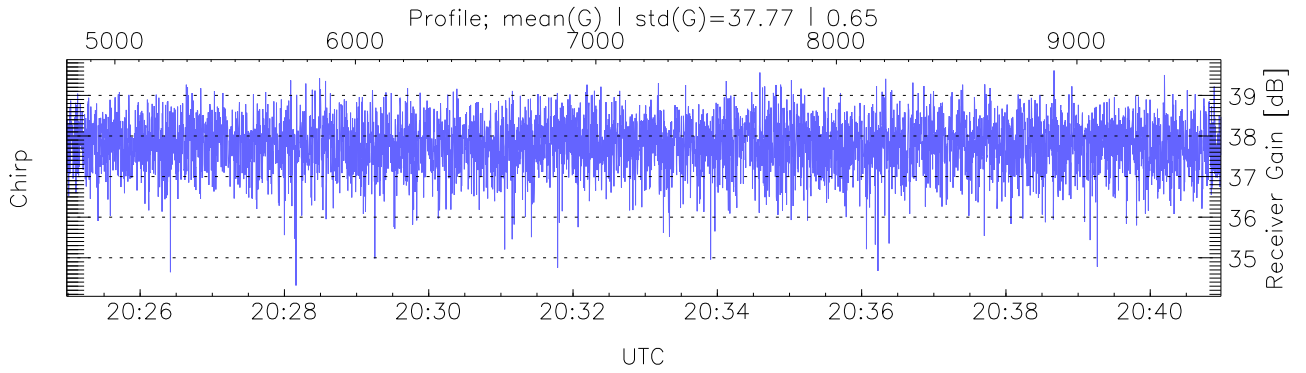
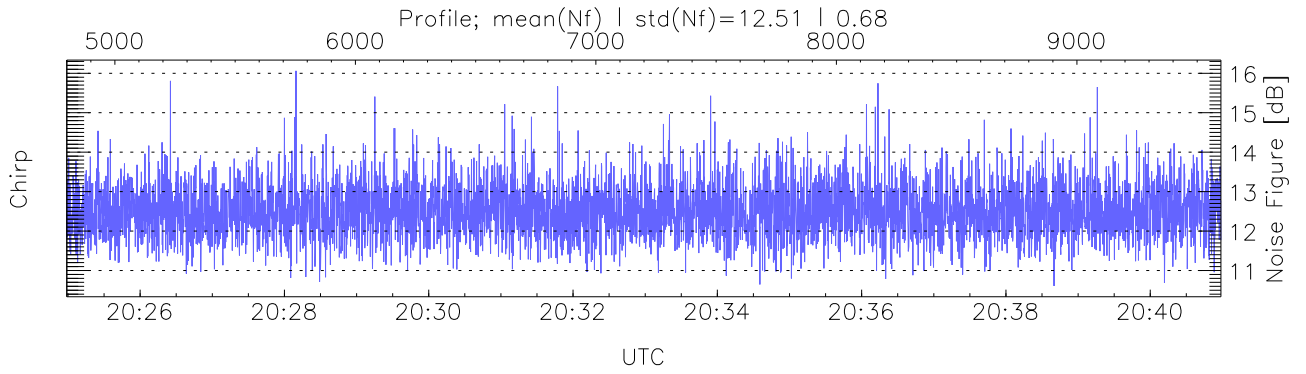


KPR SPP Temperatures, Power Supplies, PLO lock:

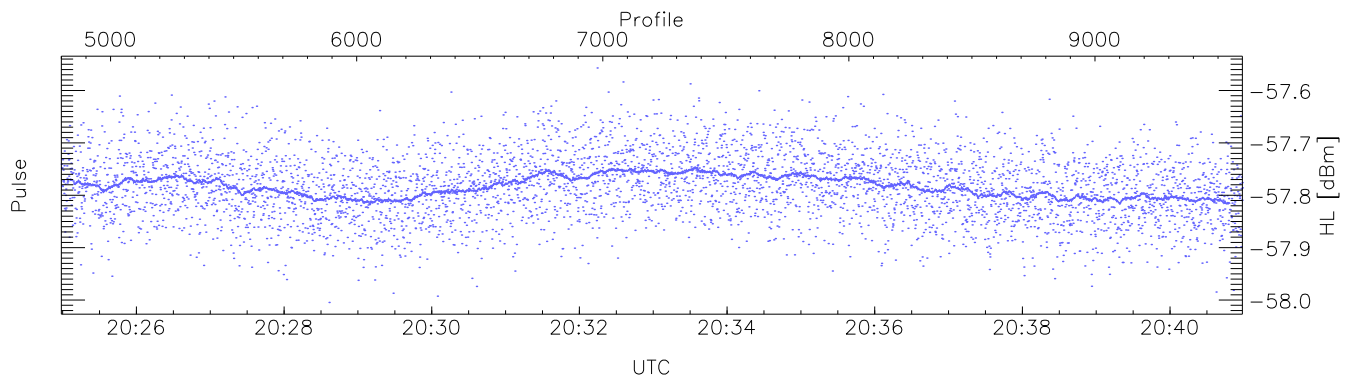
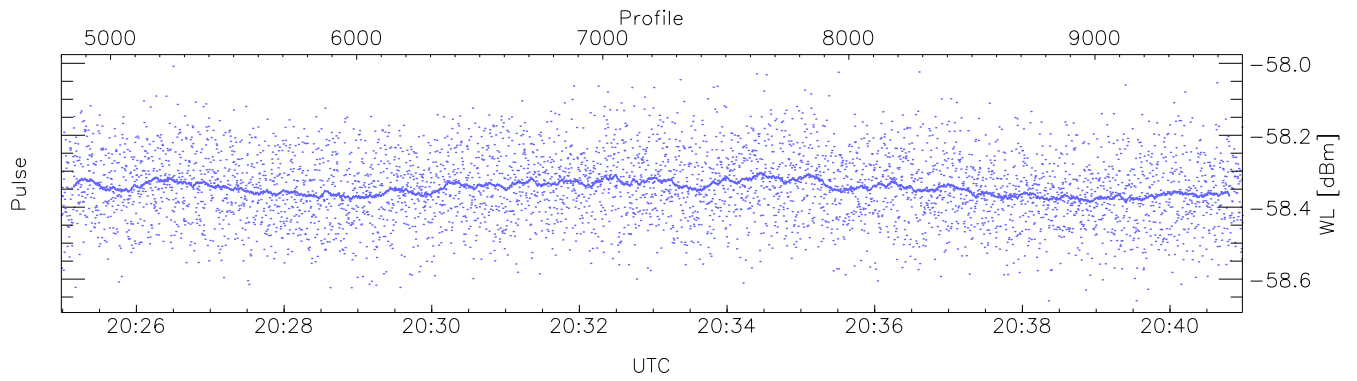
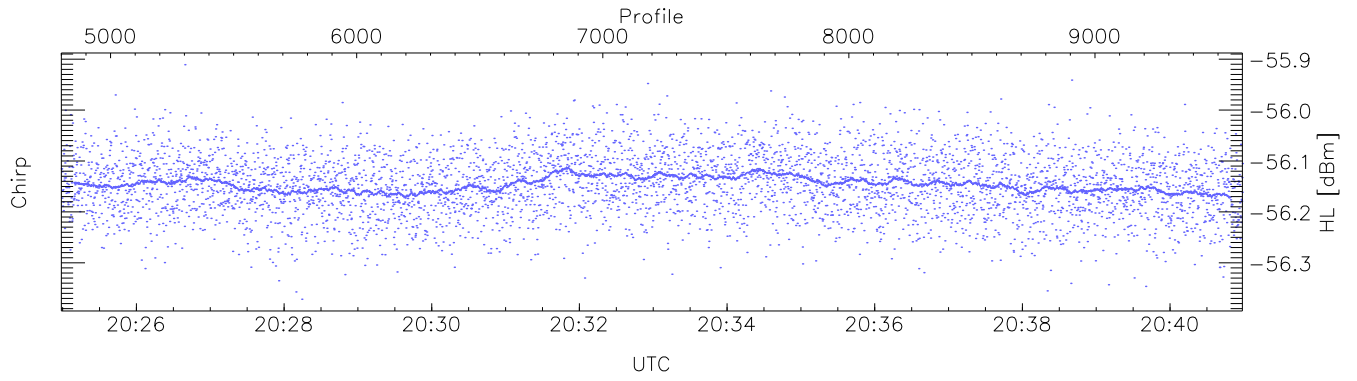
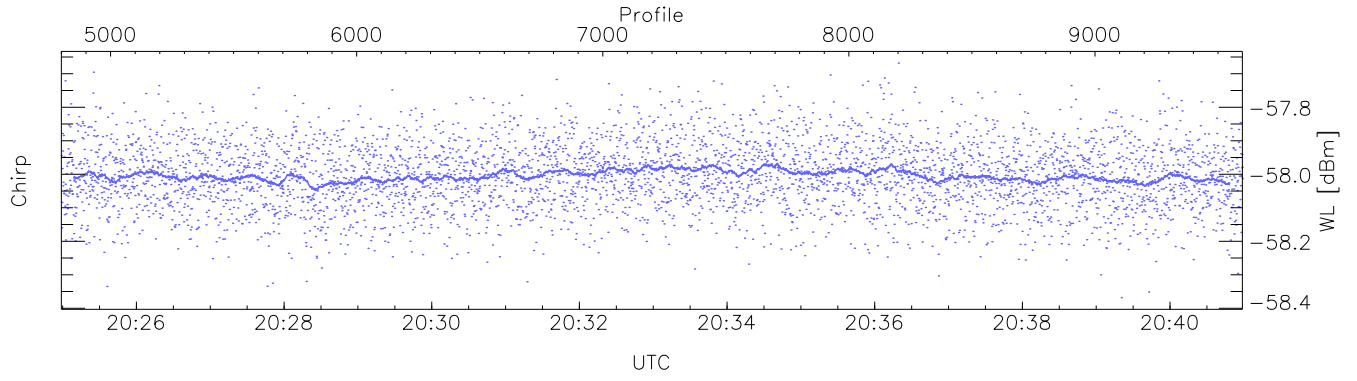
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	21.2,	20.9,	25.5,	17.0,	23.6,	-2.6,	15.3
maxtempC:	22.3,	23.0,	26.7,	18.9,	24.4,	-0.9,	16.3
meantempC:	21.8,	21.9,	26.1,	17.9,	24.1,	-1.8,	15.8

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.70,	11.68,	7.87,	5.21
maxVDC:	27.82,	11.73,	7.90,	5.23
meanVDC:	26.88,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

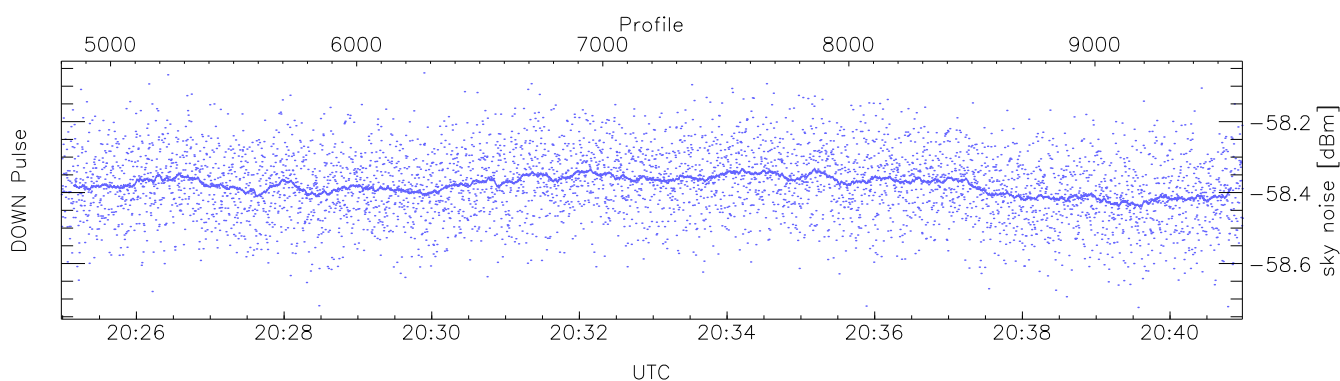
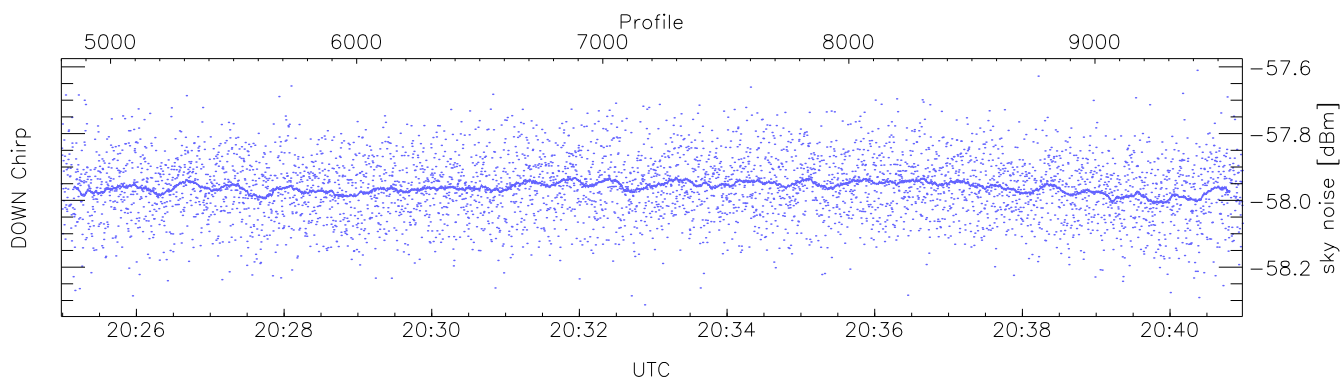
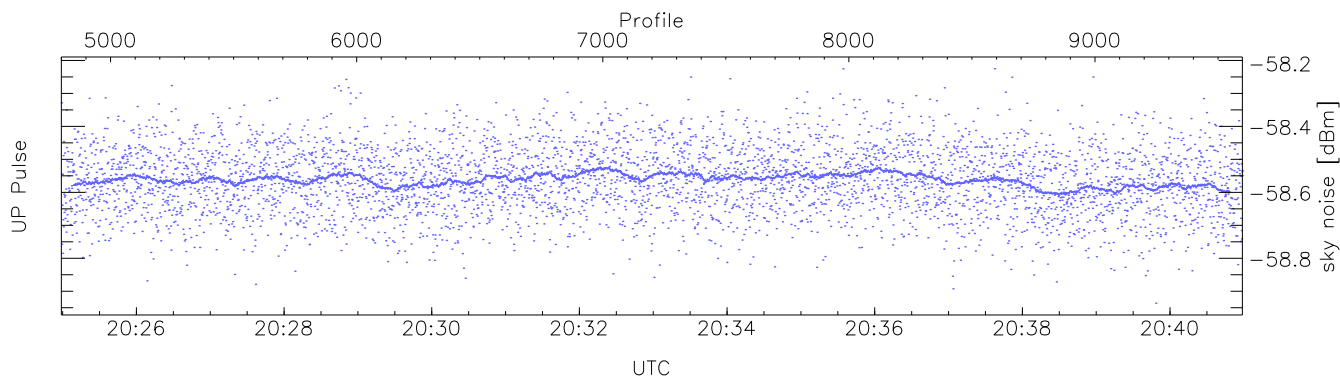
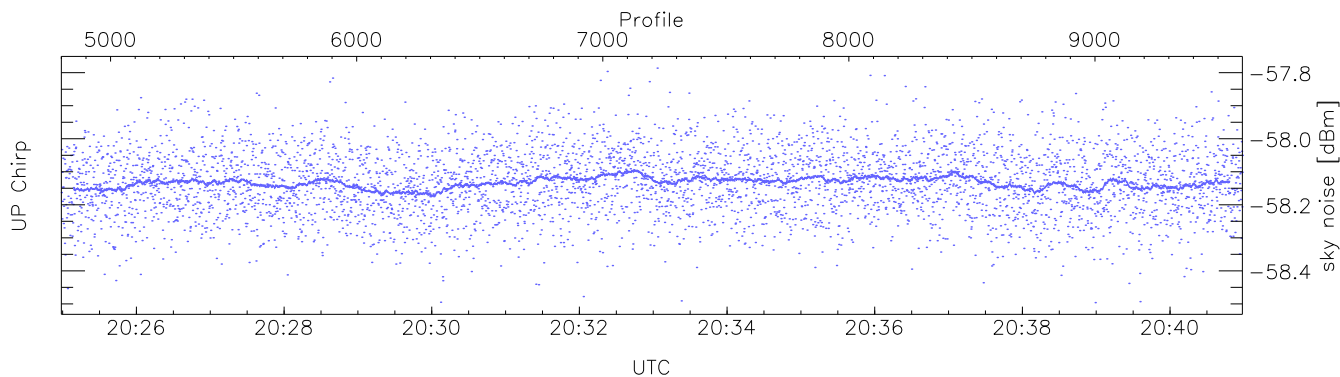


KPR SPP Receiver Gain and Noise Figure



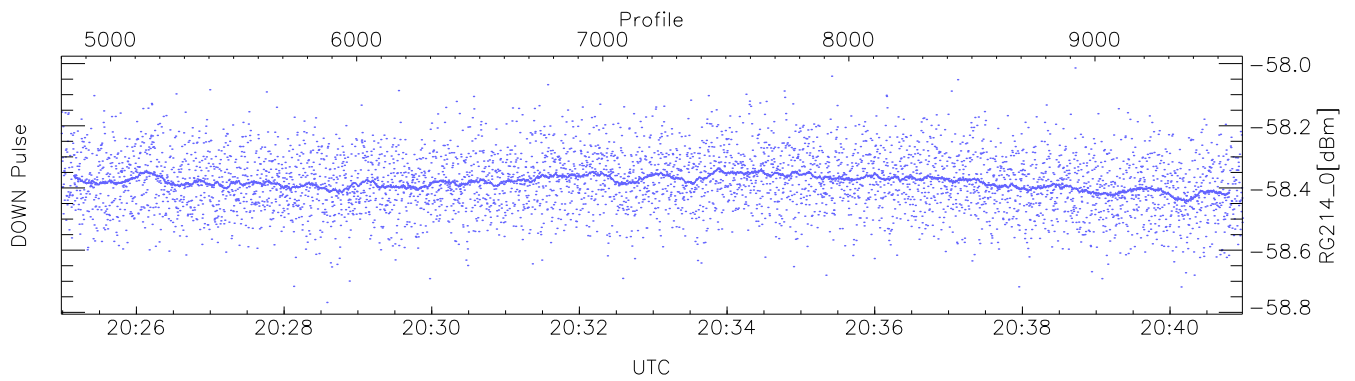
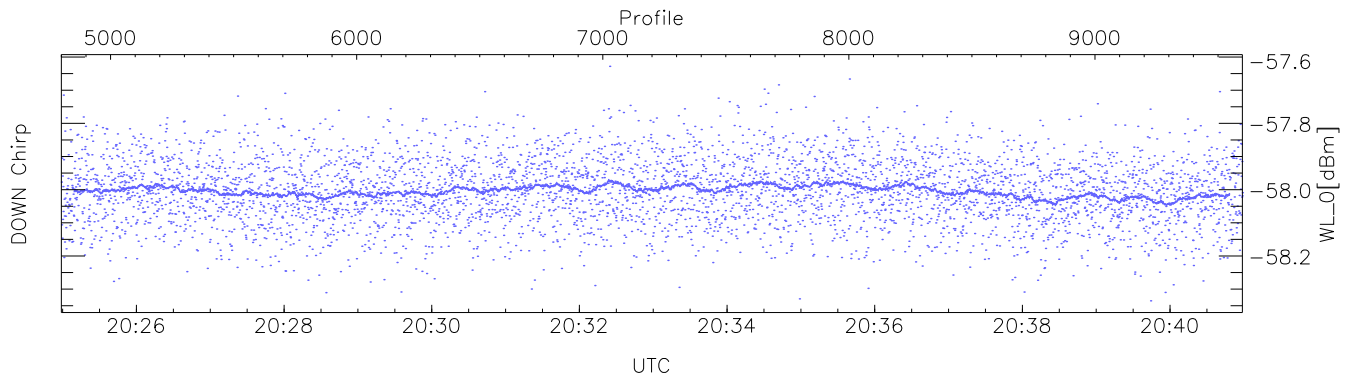
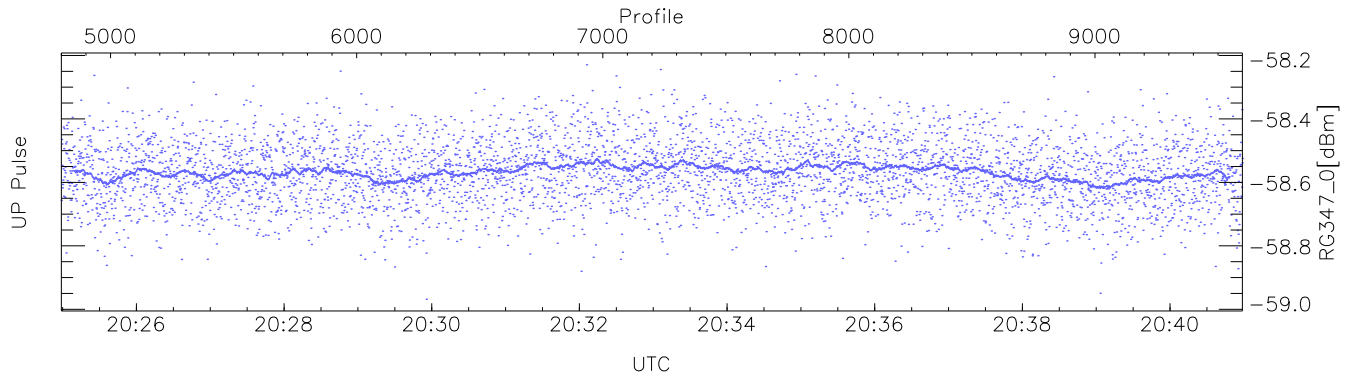
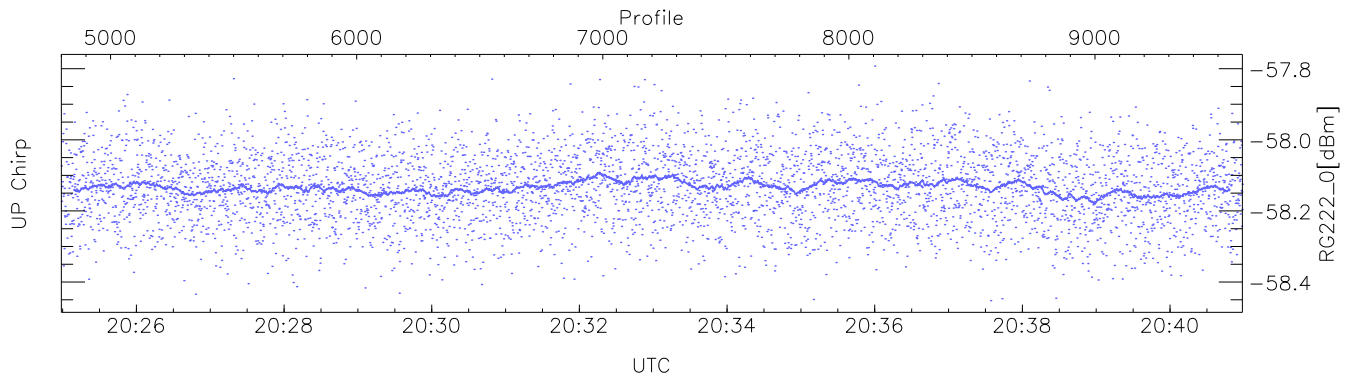
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-58.37	-57.67	-58.00	-58.01	-74.52
Chirp(HL [dBm])	-56.37	-55.91	-56.15	-56.15	-74.74
Pulse(WL [dBm])	-58.66	-58.01	-58.35	-58.35	-74.76
Pulse(HL [dBm])	-58.00	-57.56	-57.78	-57.78	-76.26



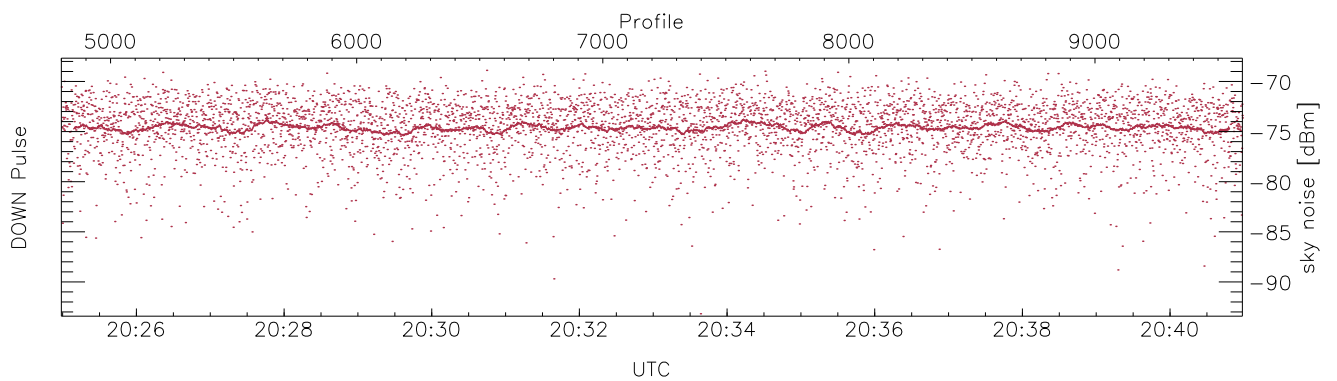
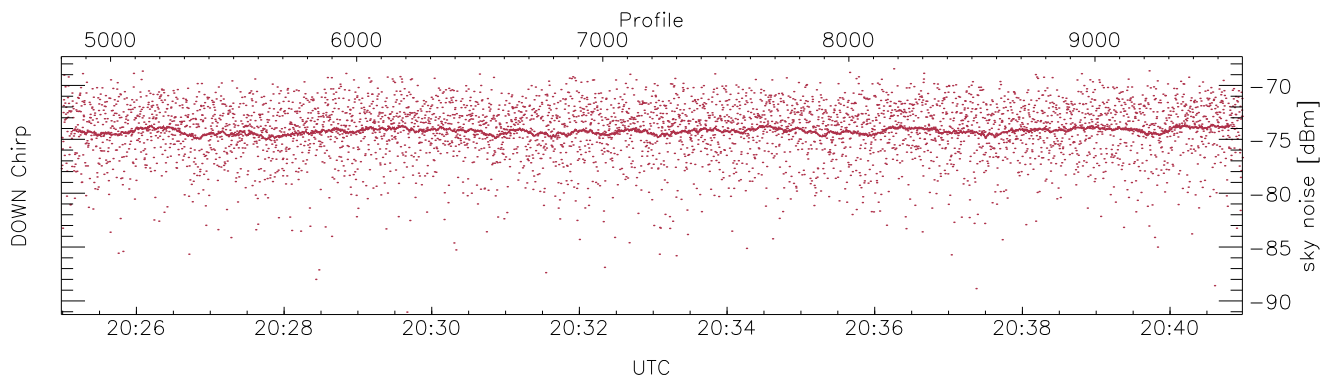
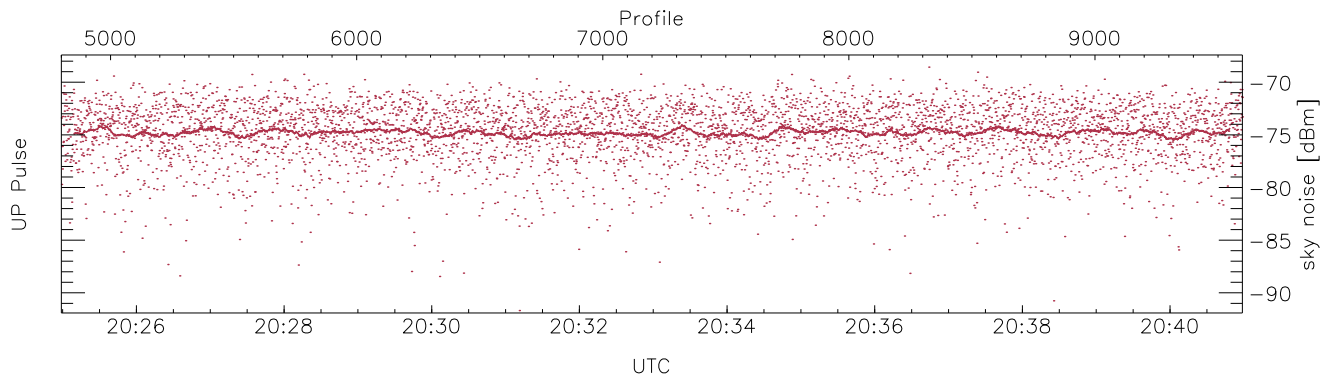
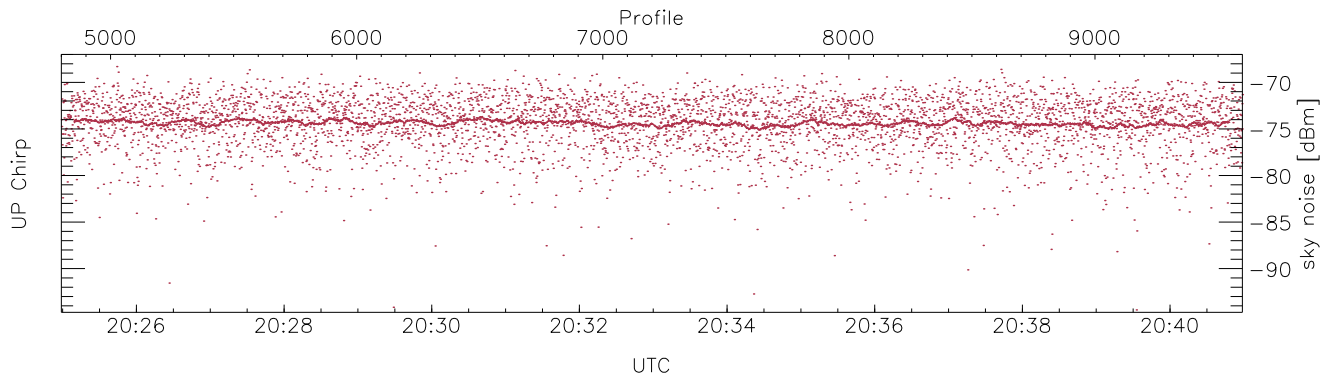
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-58.50	-57.79	-58.13	-58.13	-74.57
UP Pulse(dBm)	-58.94	-58.23	-58.56	-58.56	-74.99
DOWN Chirp(dBm)	-58.31	-57.61	-57.96	-57.96	-74.43
DOWN Pulse(dBm)	-58.72	-58.06	-58.38	-58.38	-74.83



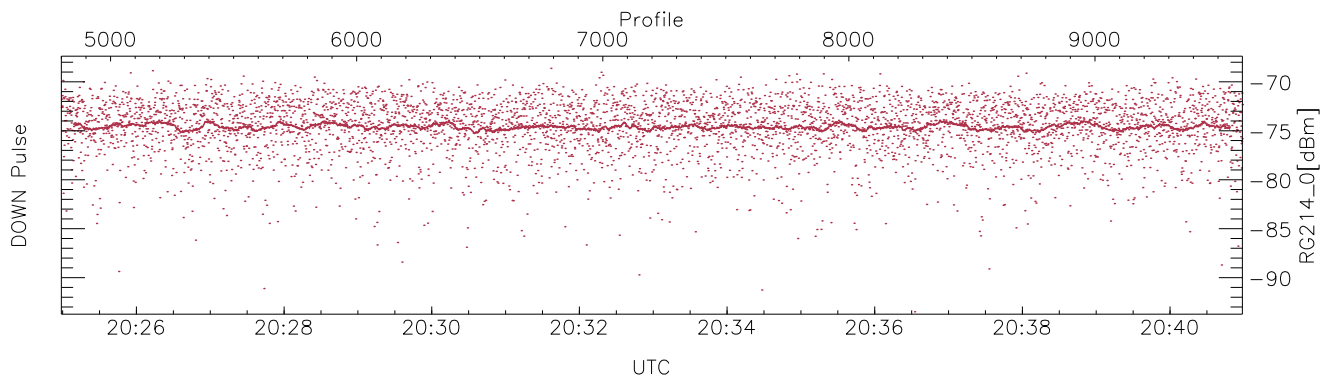
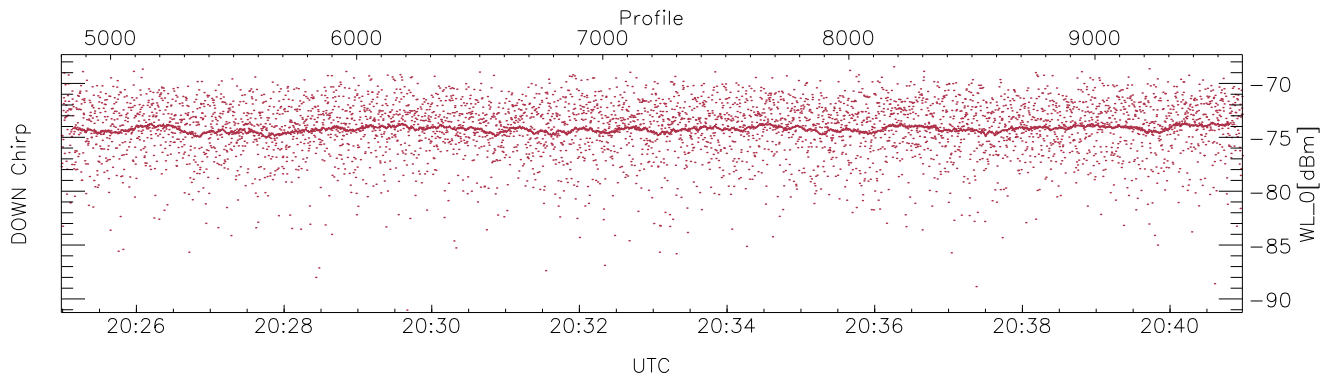
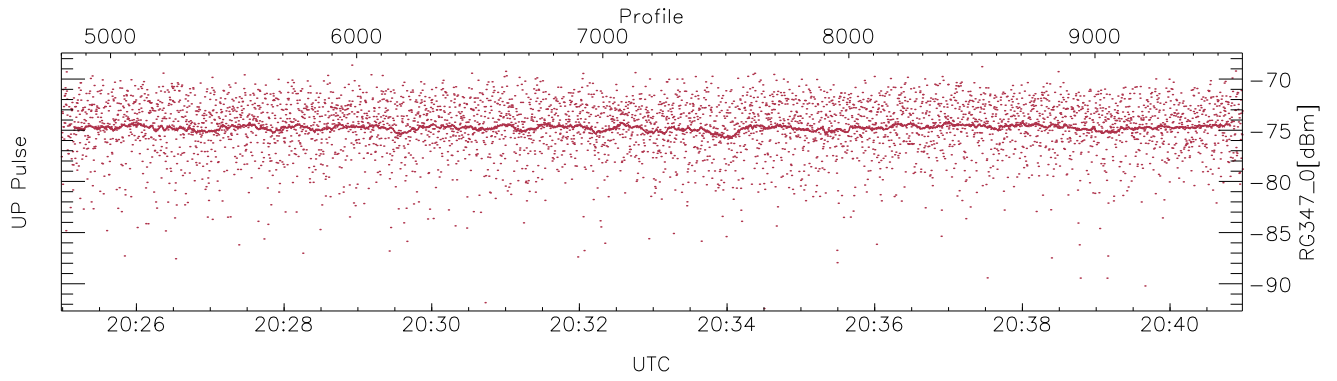
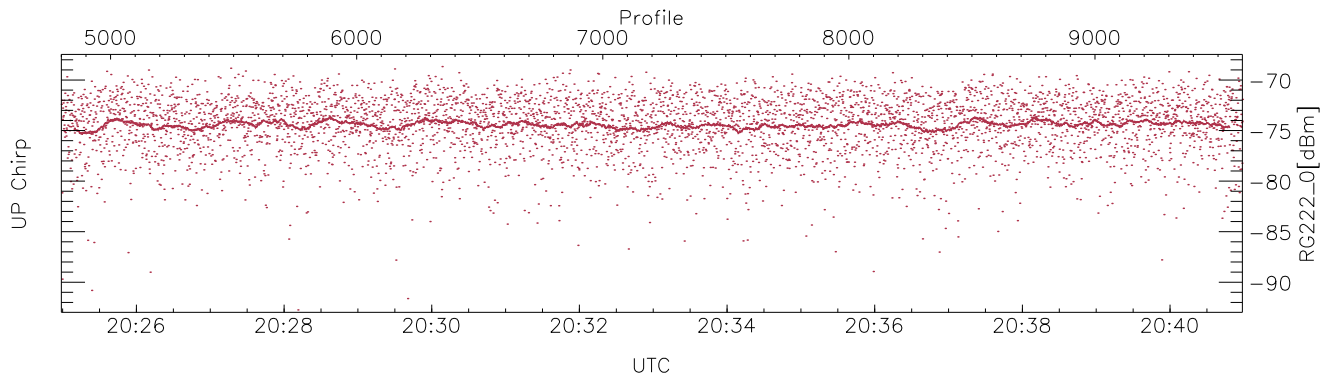
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG222_0	-58.45	-57.79	-58.13	-58.13	-74.59
UP_P_RG347_0	-58.97	-58.23	-58.57	-58.57	-74.99
DOWN_C_WL_0	-58.34	-57.63	-58.00	-58.00	-74.52
DOWN_P_RG214_0	-58.77	-58.01	-58.38	-58.38	-74.83



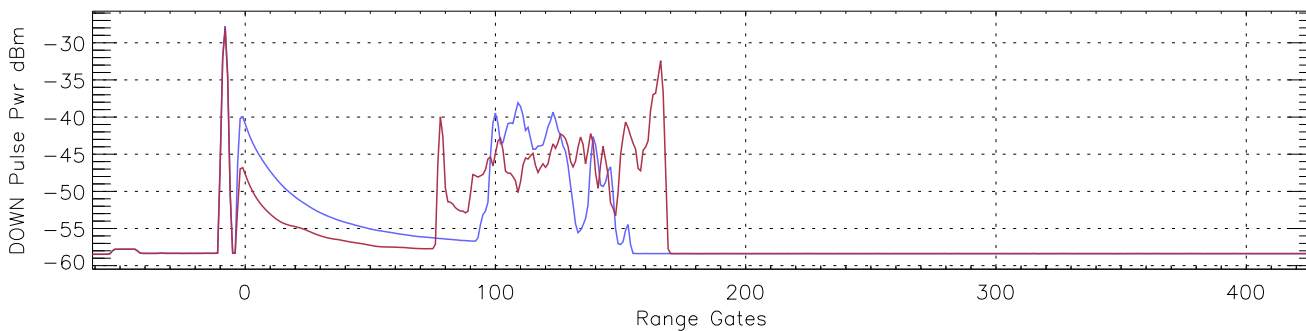
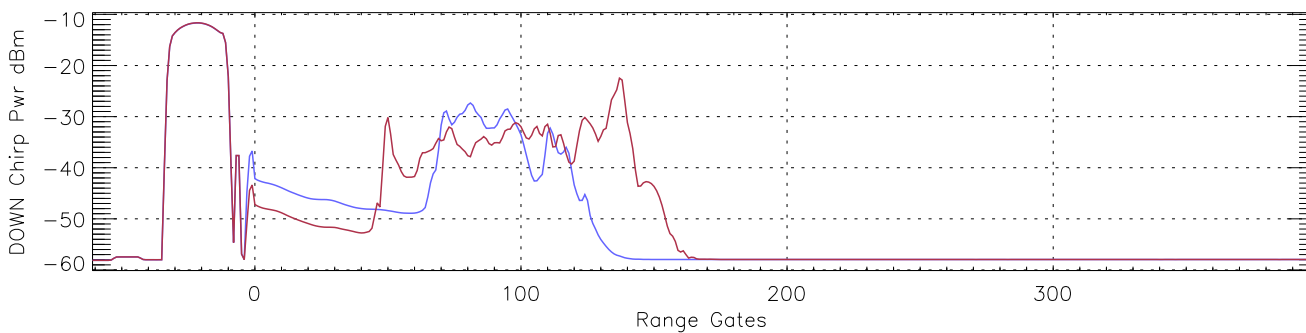
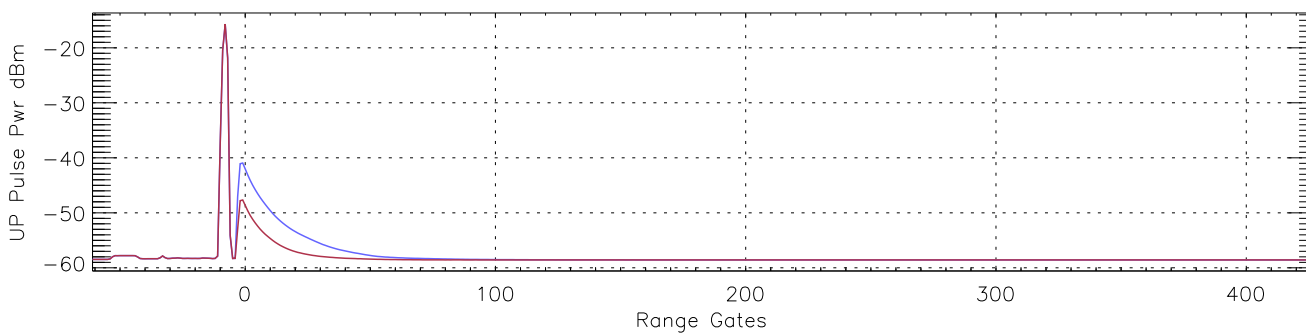
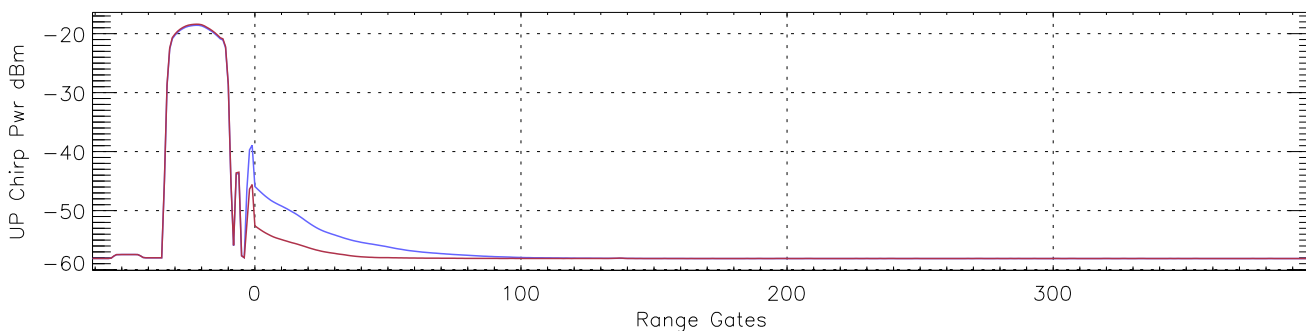
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-94.44	-68.30	-73.66	-73.93	-76.45
UP Pulse(dBm)	-91.68	-68.57	-74.08	-74.33	-76.91
DOWN Chirp(dBm)	-91.04	-68.46	-73.52	-73.83	-76.26
DOWN Pulse(dBm)	-93.18	-68.89	-73.91	-74.14	-76.78

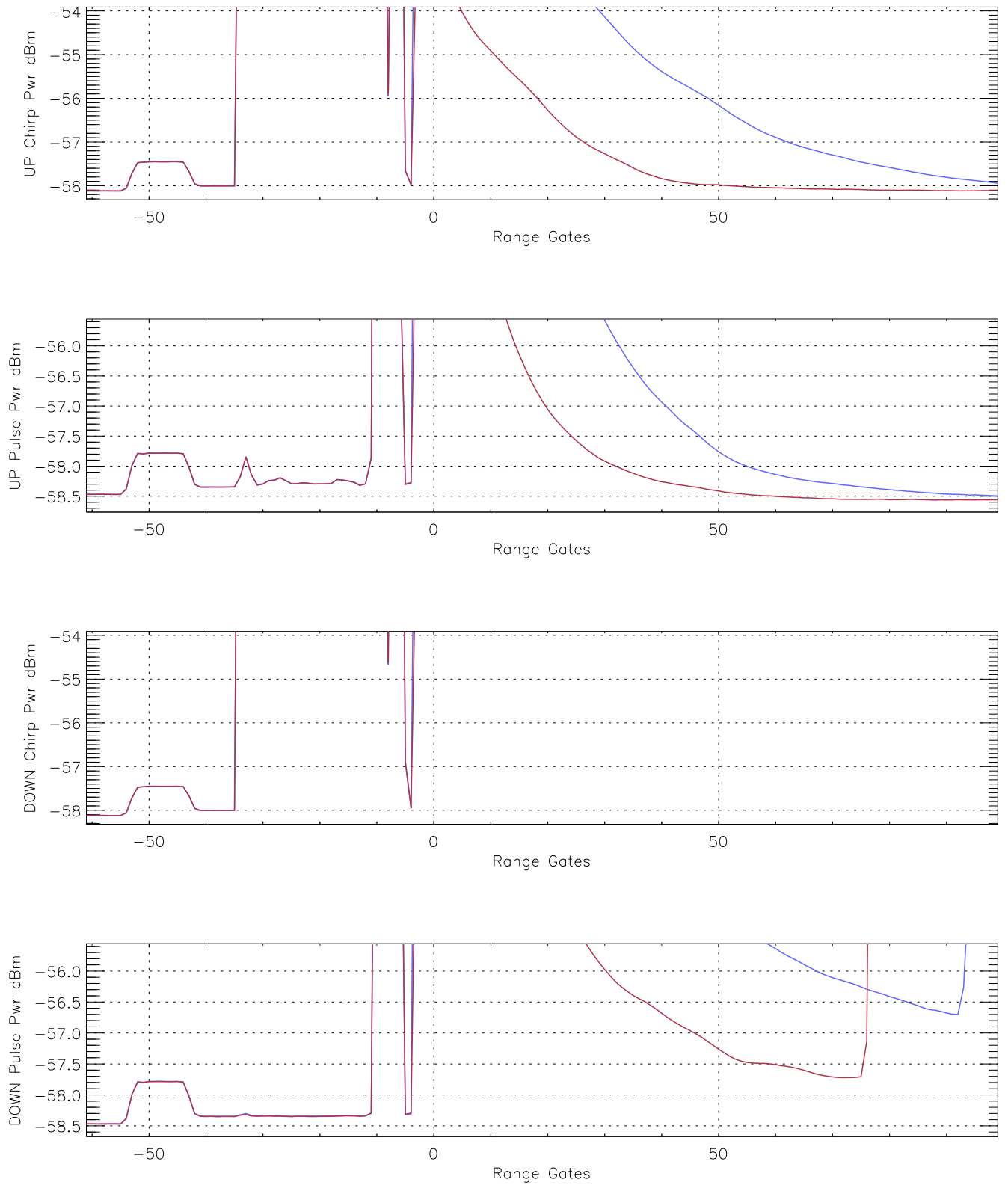


KPR SPP "Best" PPMAG noise (dBm):

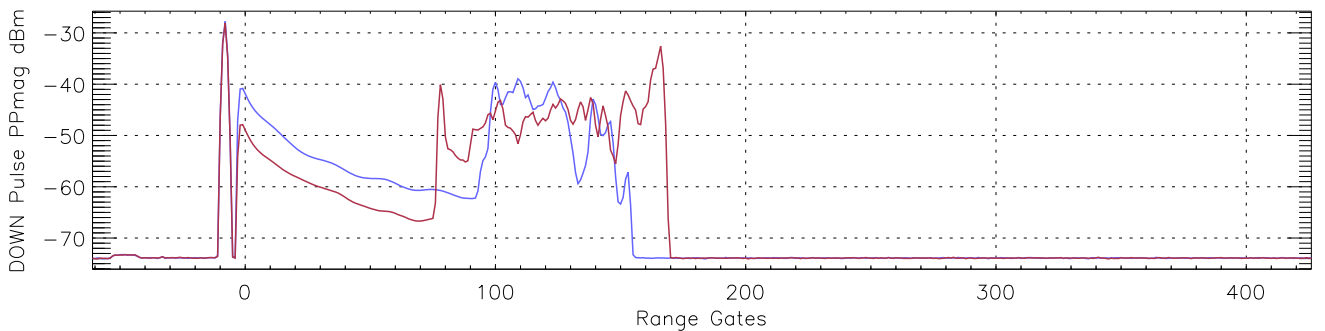
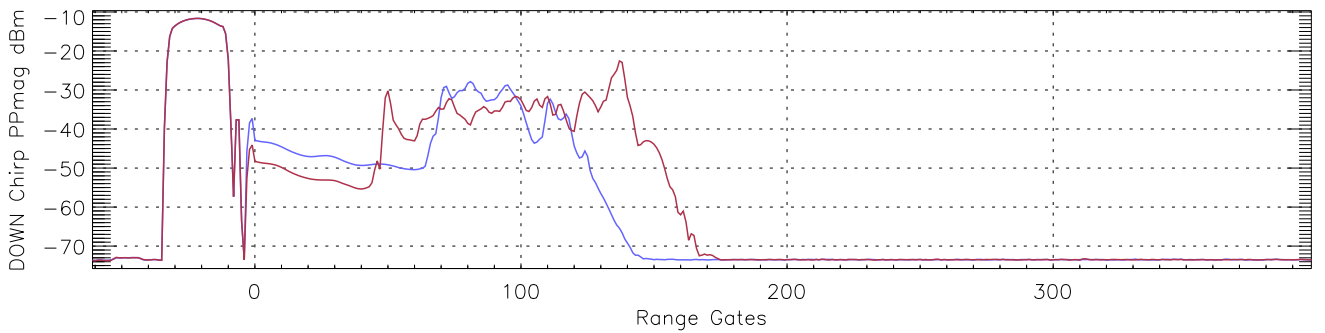
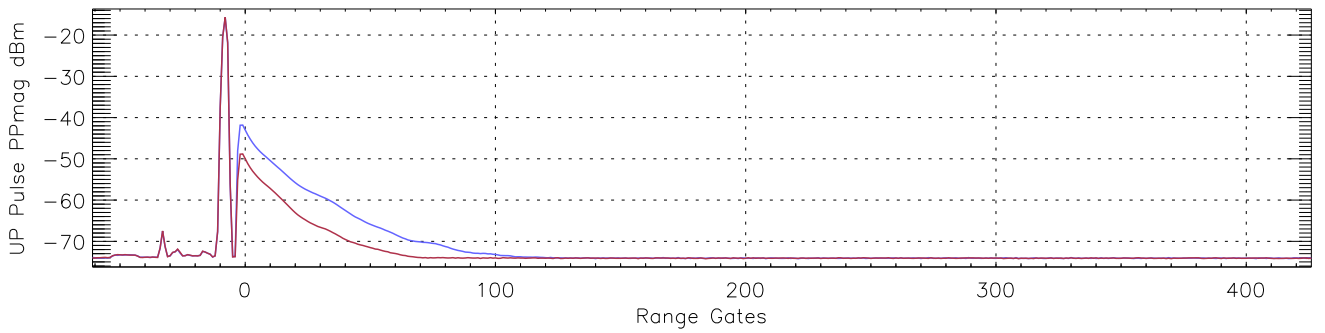
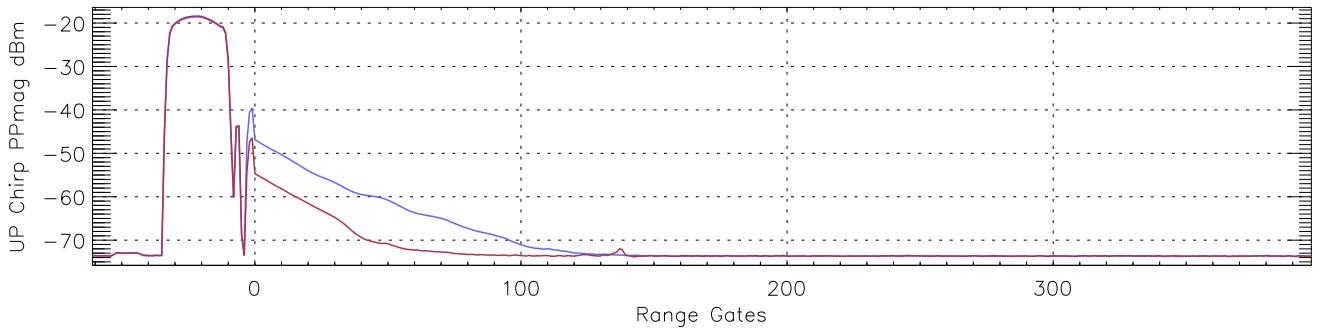
	Min	Max	Mean	Median	StDev
UP_C_RG222_0	-92.74	-68.67	-73.70	-74.02	-76.44
UP_P_RG347_0	-92.42	-68.64	-74.01	-74.33	-76.74
DOWN_C_WL_0	-91.04	-68.46	-73.52	-73.83	-76.26
DOWN_P_RG214_0	-93.48	-68.63	-73.88	-74.18	-76.74



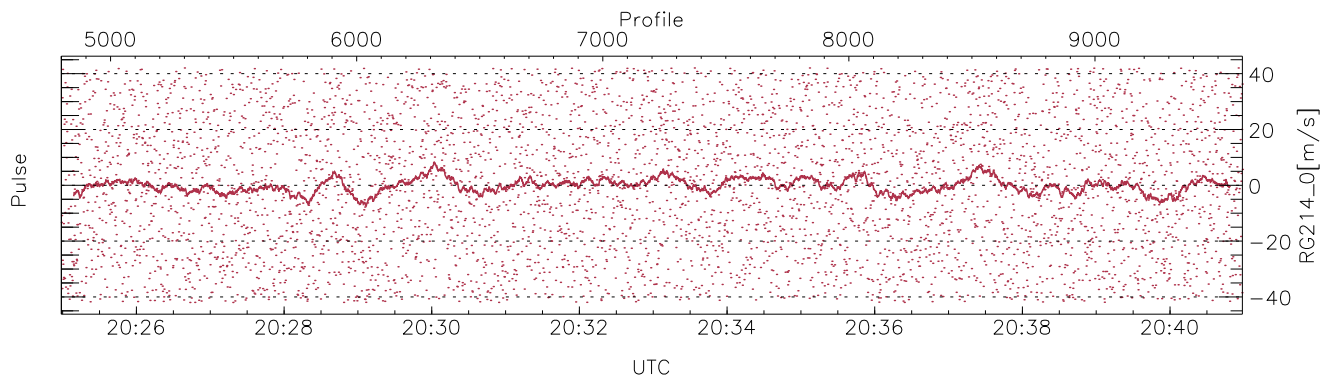
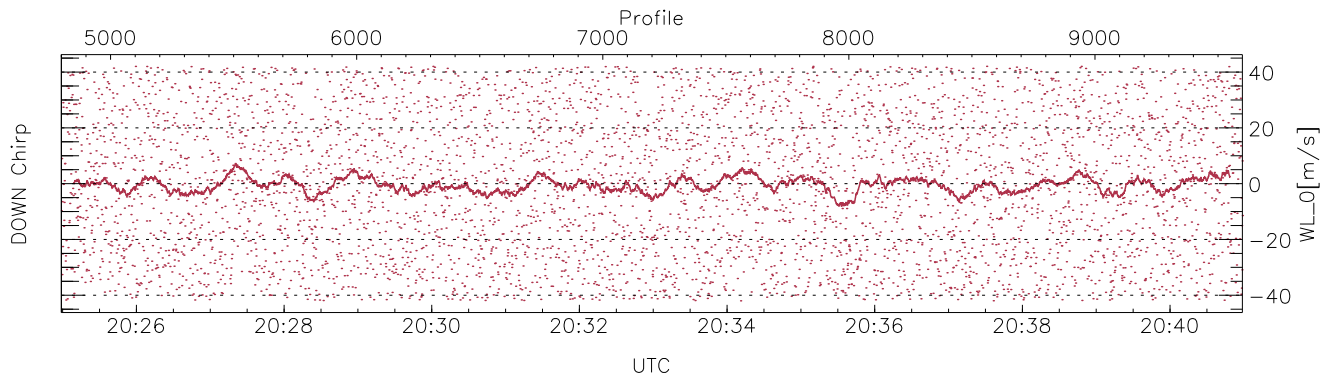
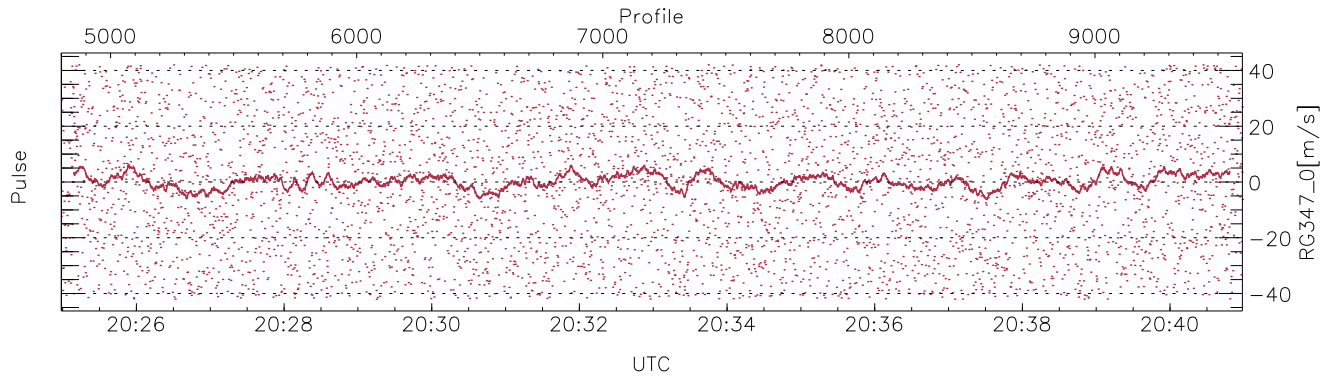
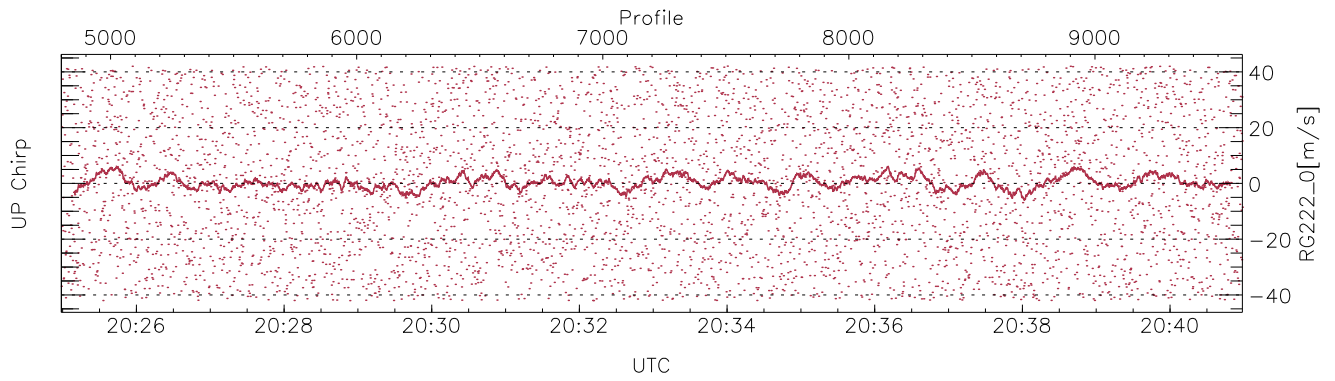
KPR SPP Averaged Received power for all recorded gates
blue: 202459-203258, 2401 profiles averaged
red: 203258-204059, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 202459-203258, 2401 profiles averaged
red: 203258-204059, 2400 profiles averaged

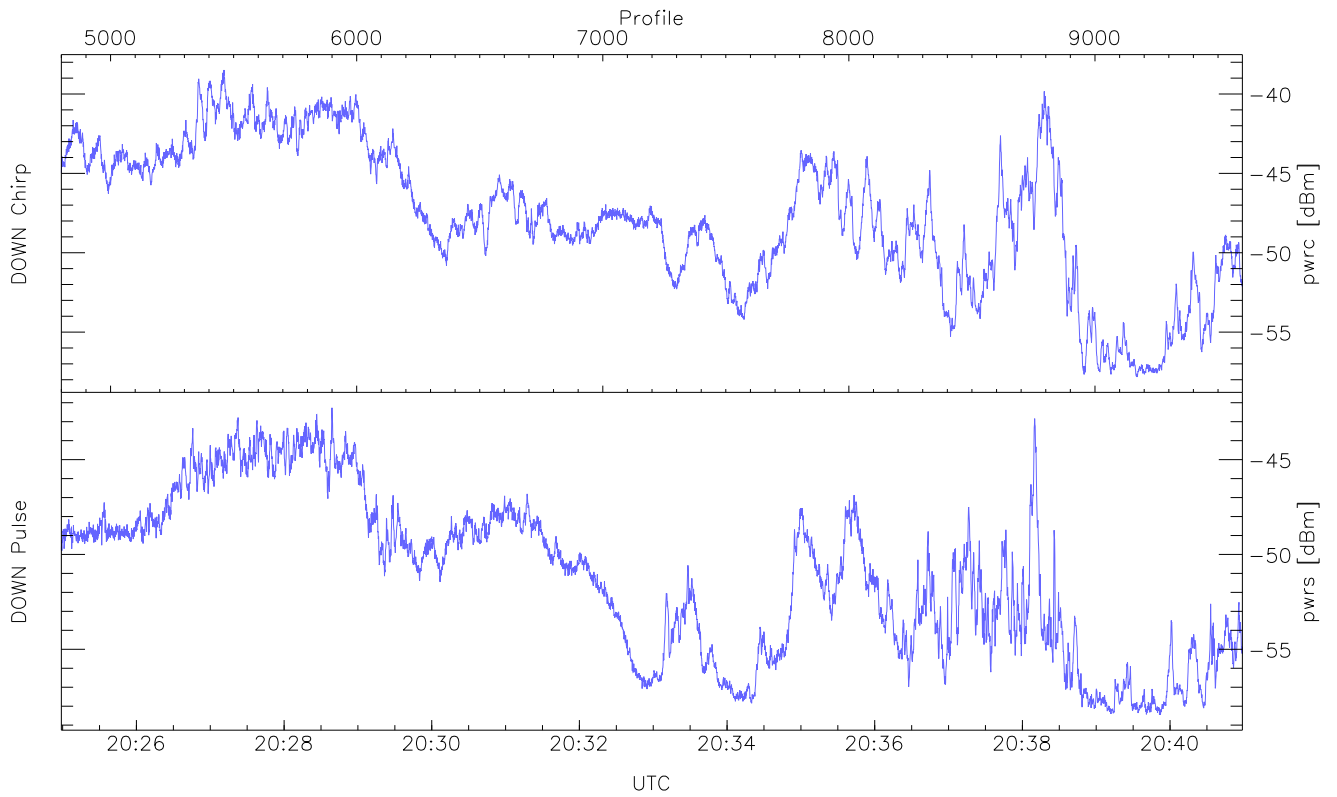
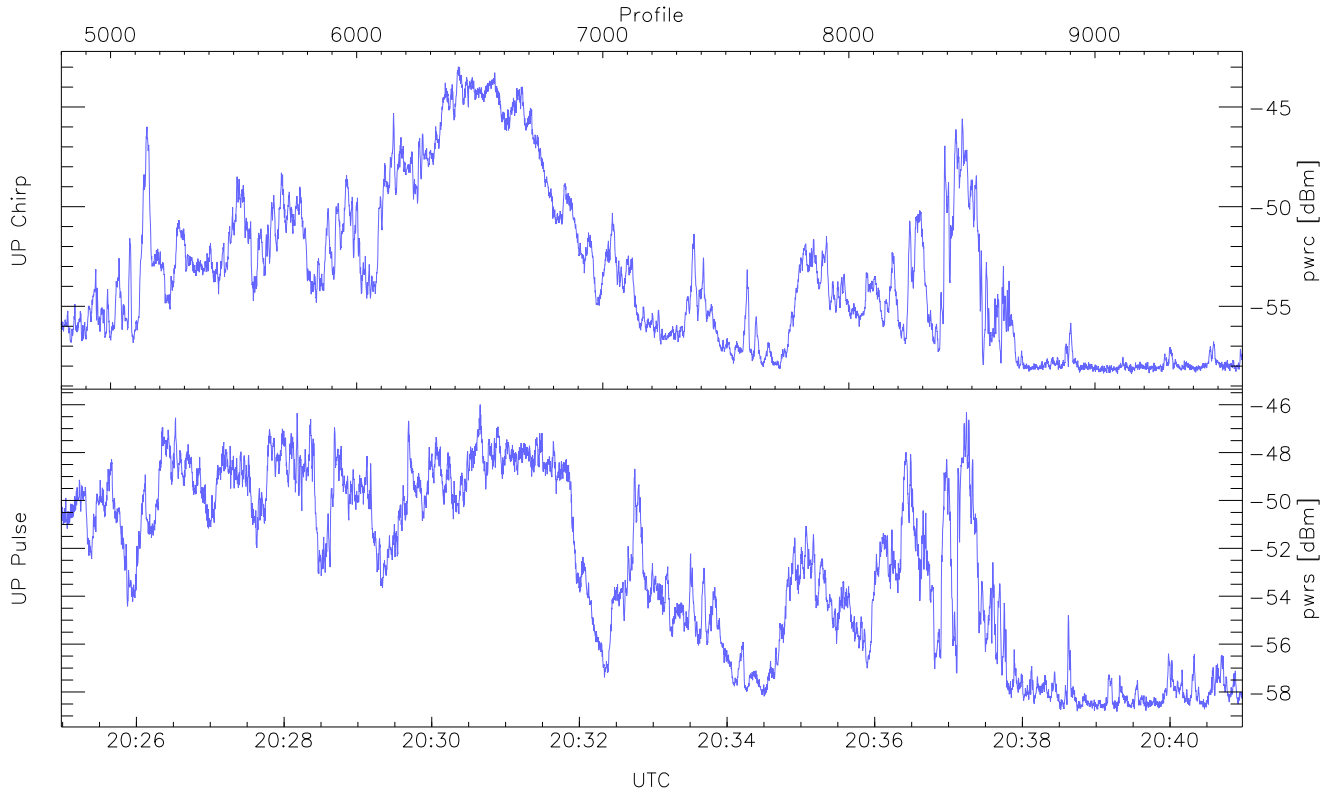


KPR SPP Averaged PP magnitude for all recorded gates
blue: 202459-203258, 2401 profiles averaged
red: 203258-204059, 2400 profiles averaged



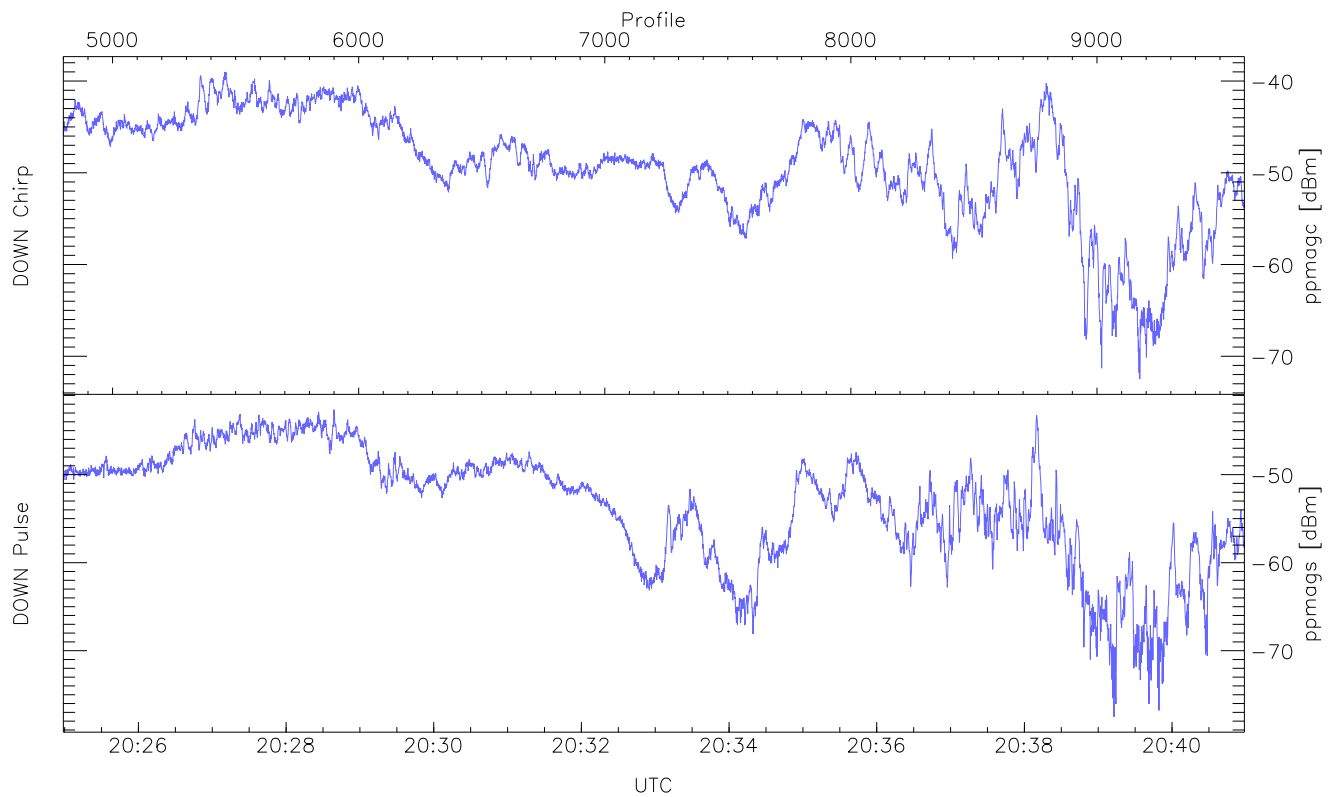
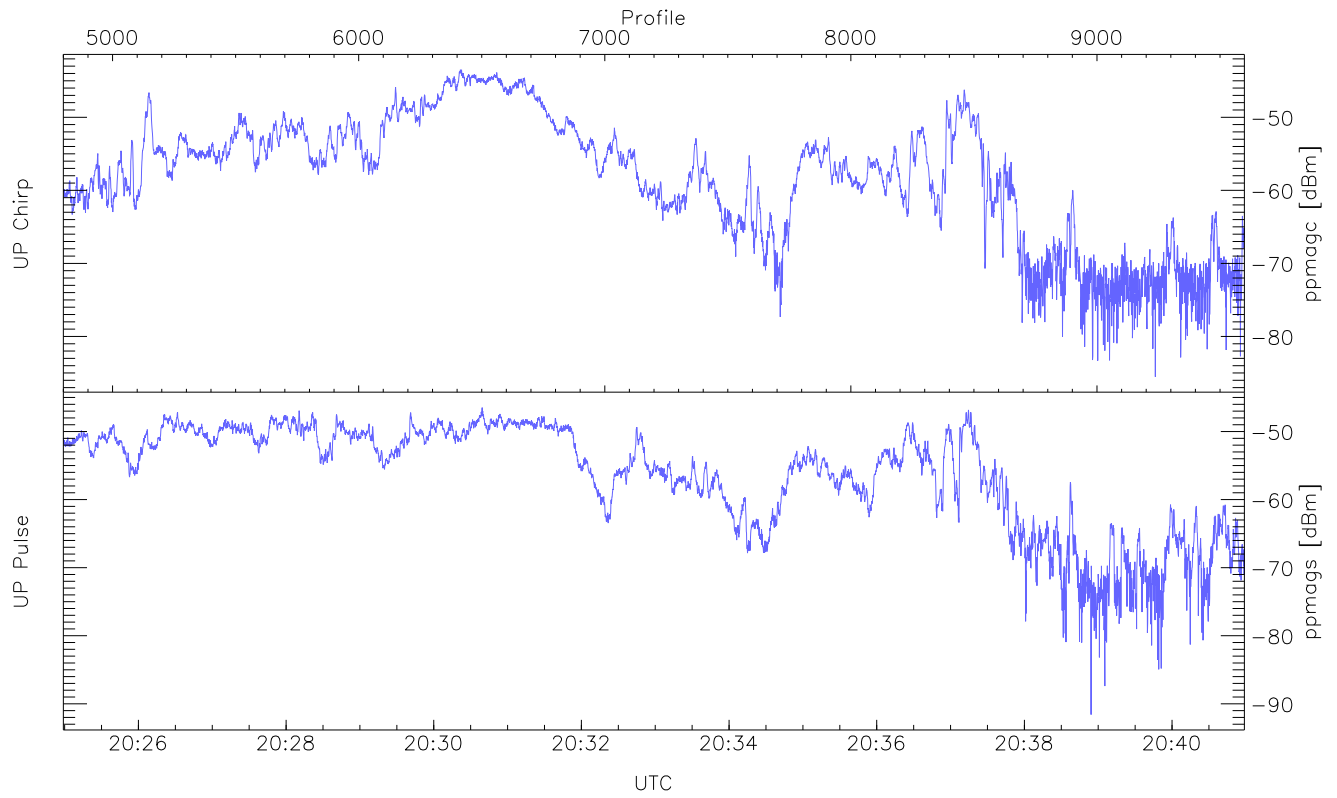
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG222_0	-42.05	42.06	0.27	0.32	24.25
UP_P_RG347_0	-42.04	42.04	0.13	0.57	23.92
DOWN_C_WL_0	-42.01	42.06	-0.54	-0.73	24.37
DOWN_P_RG214_0	-41.98	42.06	-0.20	-0.23	23.94



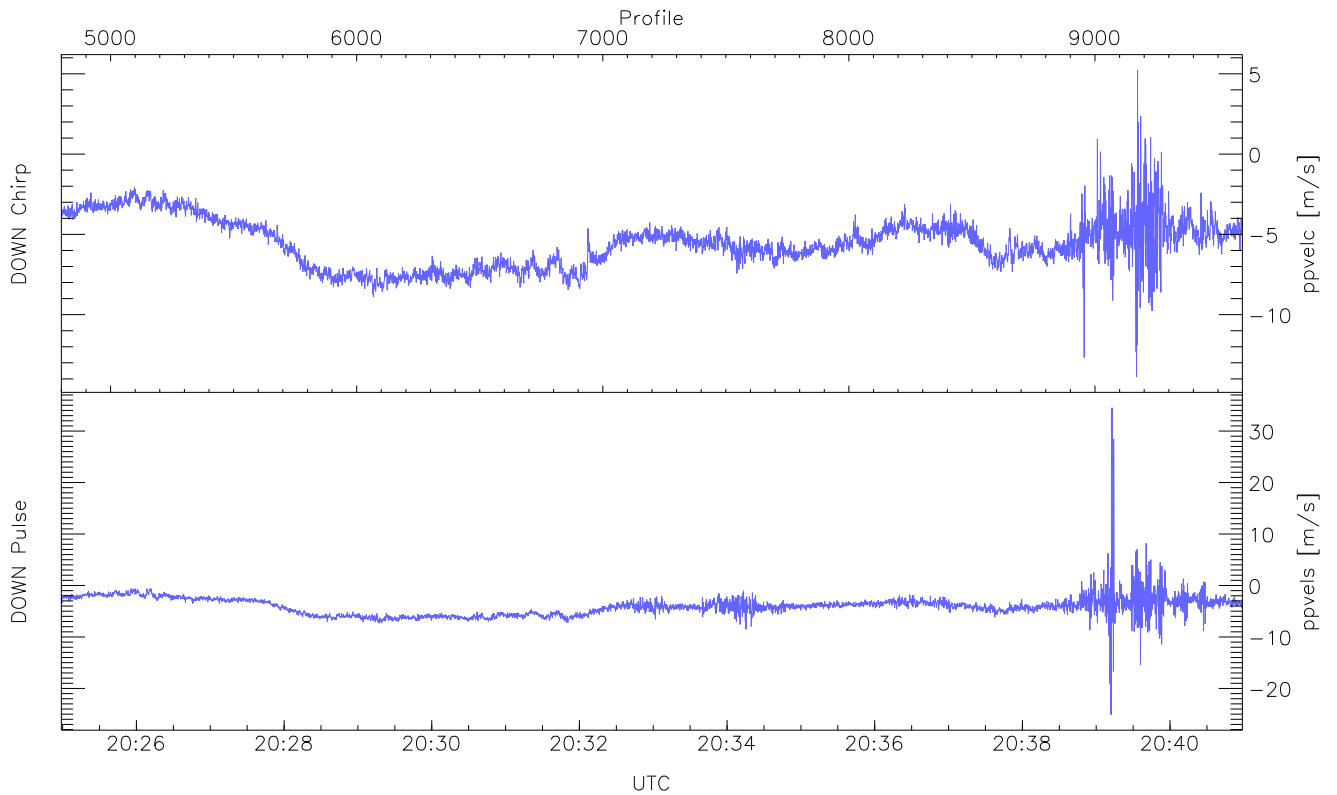
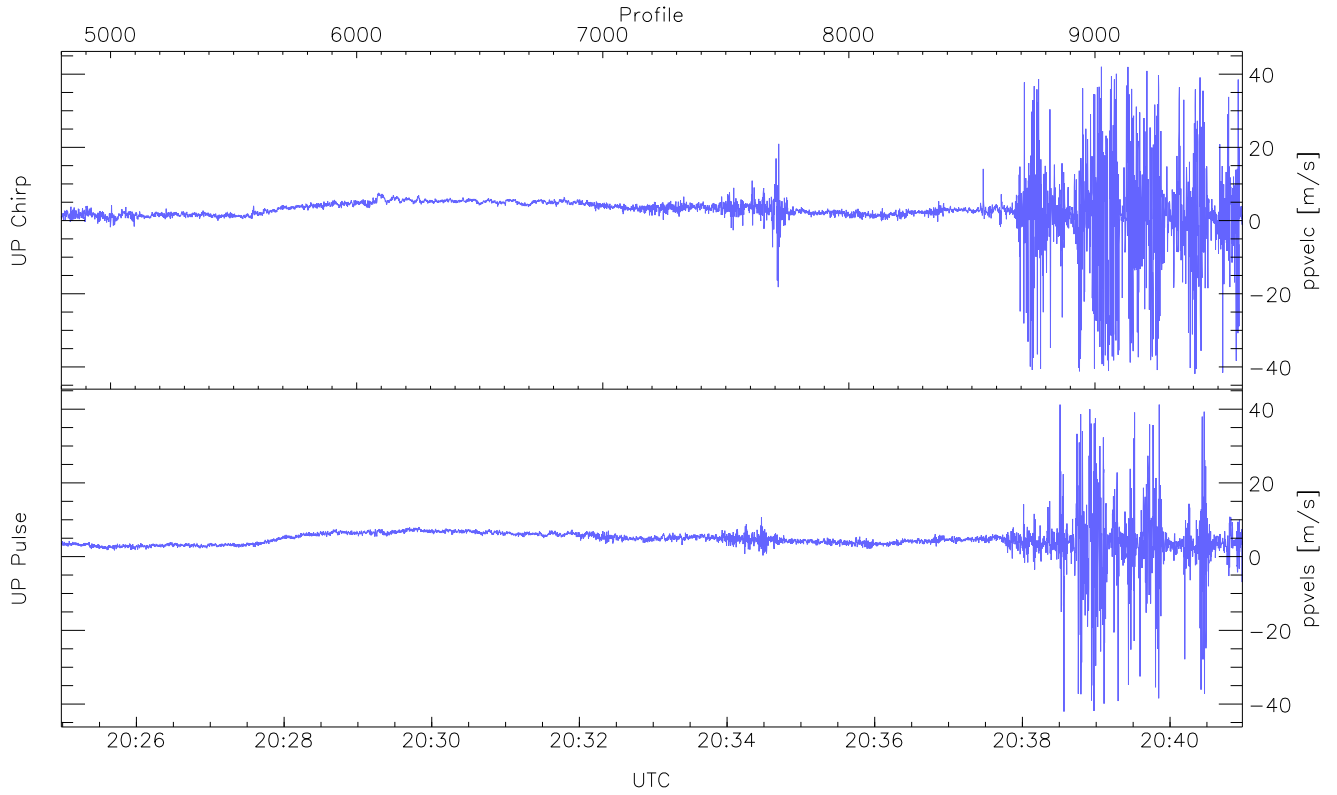
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-58.39	-42.98	-51.20
UP Pulse(dBm)	-58.82	-45.99	-51.43
DOWN Chirp(dBm)	-57.83	-38.49	-45.71
DOWN Pulse(dBm)	-58.46	-42.26	-49.29



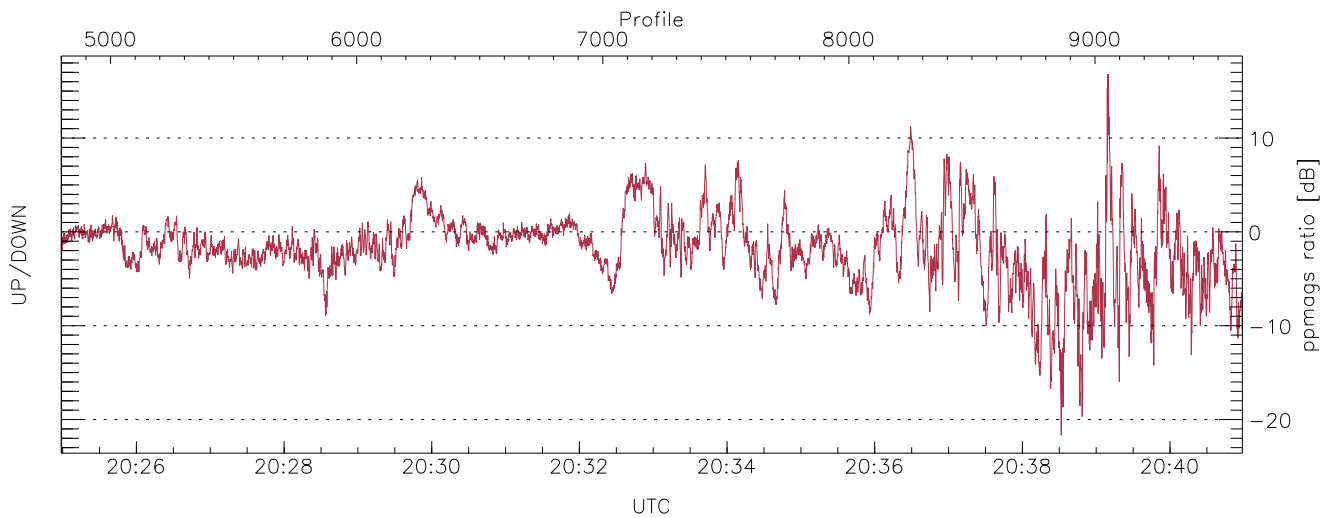
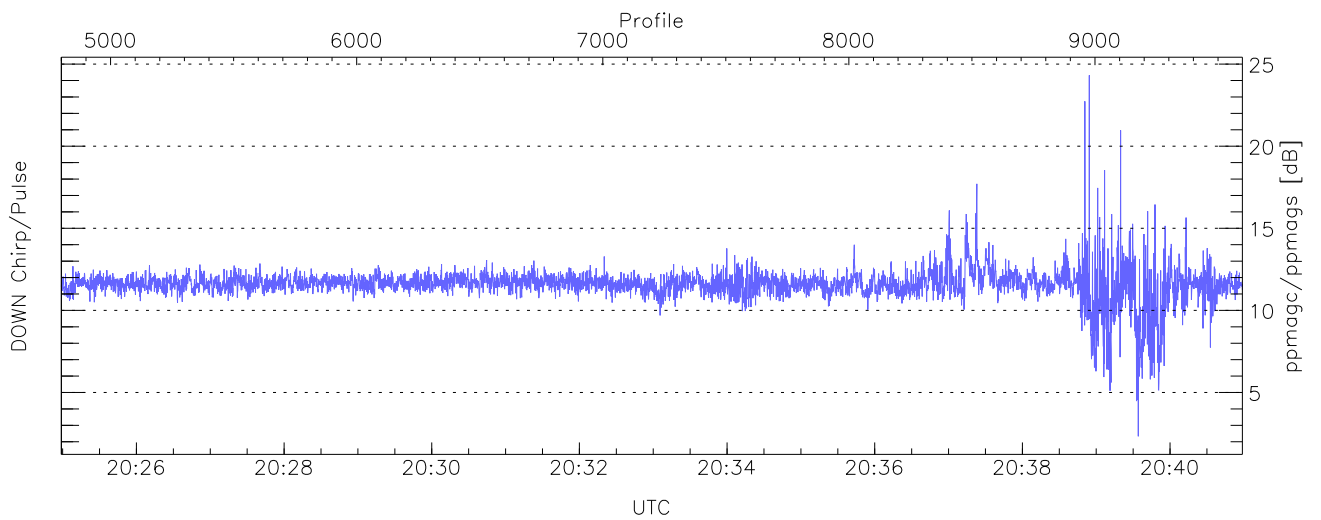
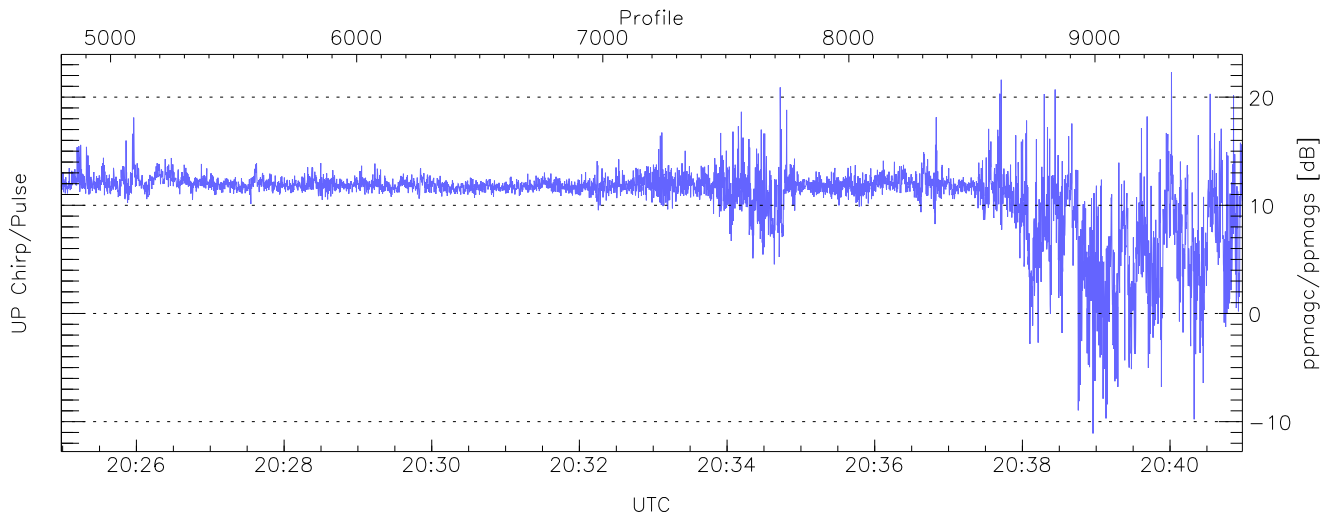
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-85.53	-43.49	-52.64
UP Pulse(dBm)	-91.59	-46.48	-52.62
DOWN Chirp(dBm)	-72.48	-39.01	-46.44
DOWN Pulse(dBm)	-77.51	-42.63	-50.09



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)	-41.89	42.03	2.72
UP Pulse(m/s)	-42.04	41.25	4.53
DOWN Chirp(m/s)	-13.88	5.24	-5.54
DOWN Pulse(m/s)	-25.13	34.53	-4.04



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-11.10	22.28	11.57
DOWN Chirp/Pulse(dBm)	2.33	24.32	11.70
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-21.66	16.82	-0.05