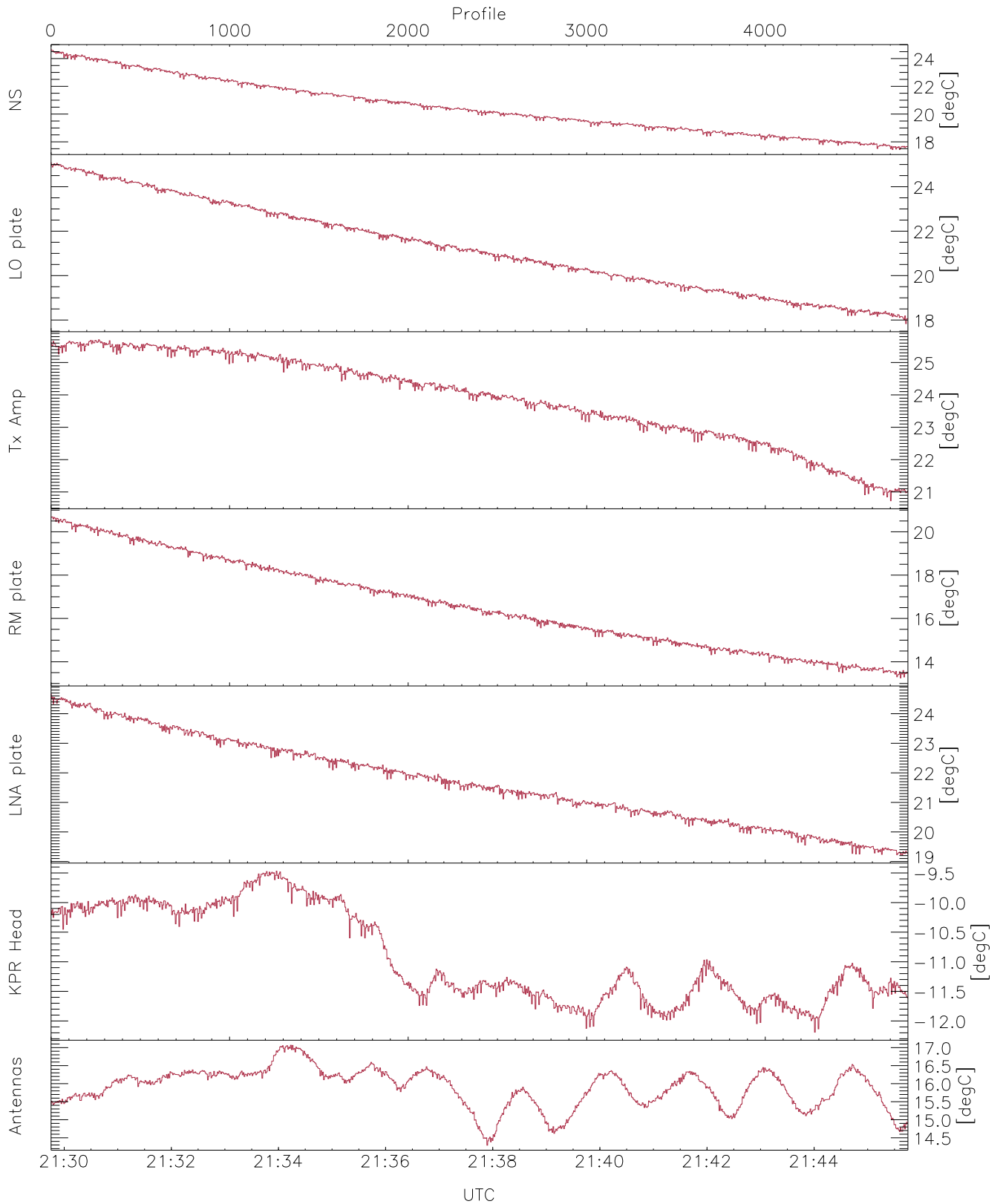


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 21:29:45-21:54:52, TimeCor: 0.00s, Dur: 959.80s
 TimeInt(min,max,mn,std): 186.2,213.8,200.0,1.1 ms; PPS: 5.0
 NumRec(r/t): 4800/7536, 0-4799/21:29:45-21:45:45
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, avrgPulses: 2000, avrgPP: 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

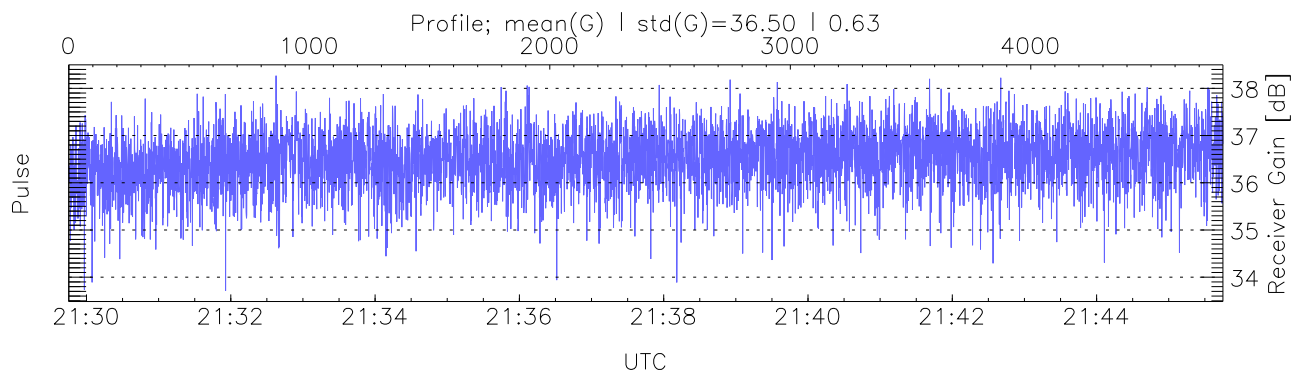
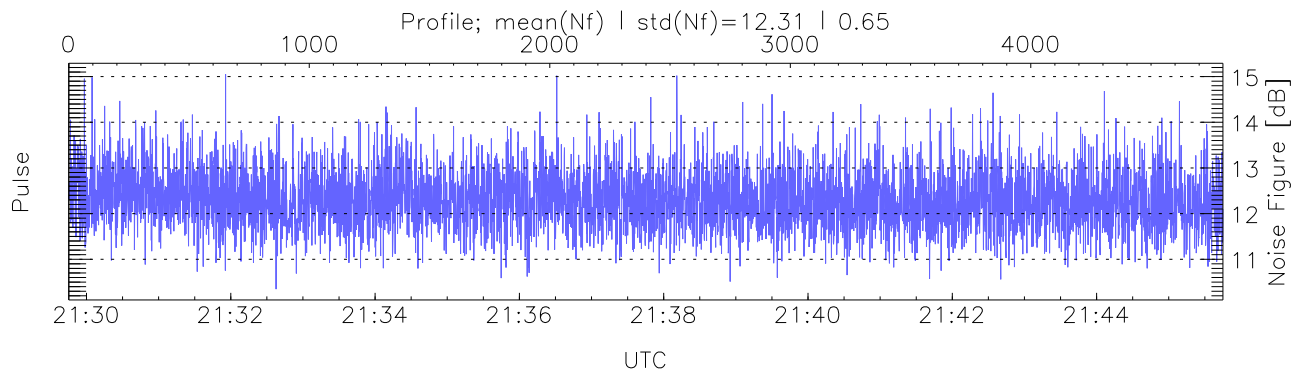
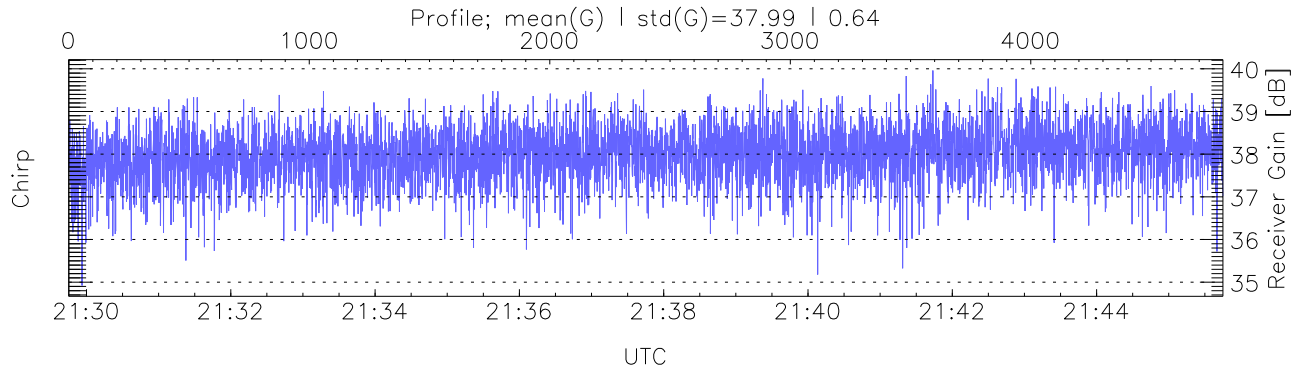
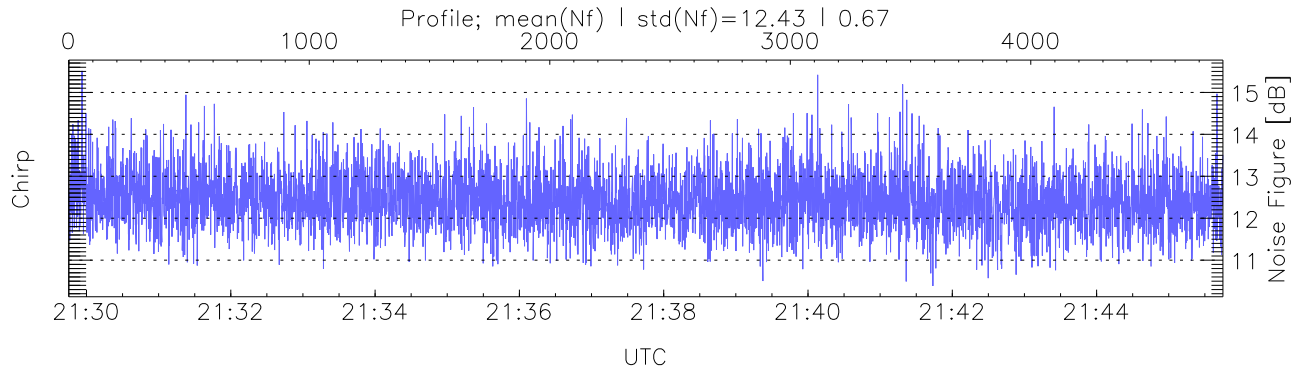


KPR SPP Temperatures, Power Supplies, PLO lock:

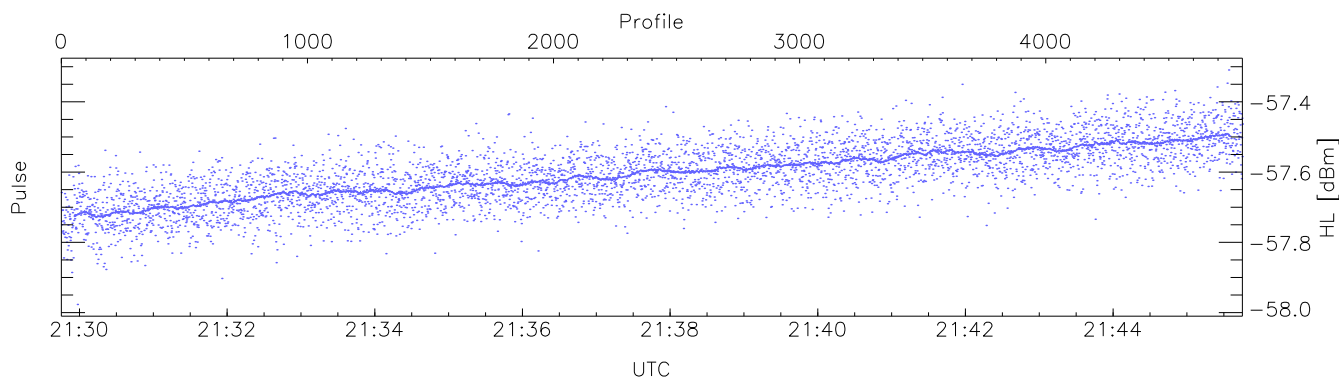
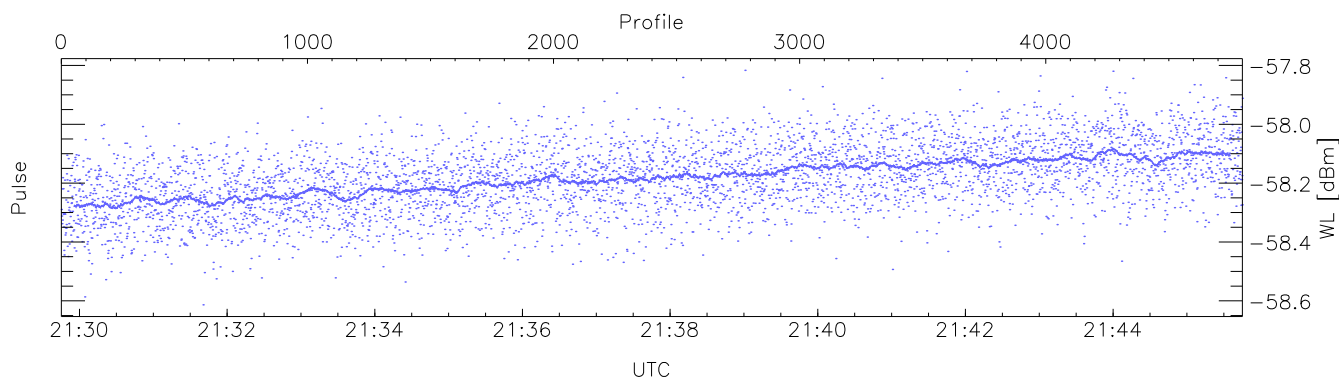
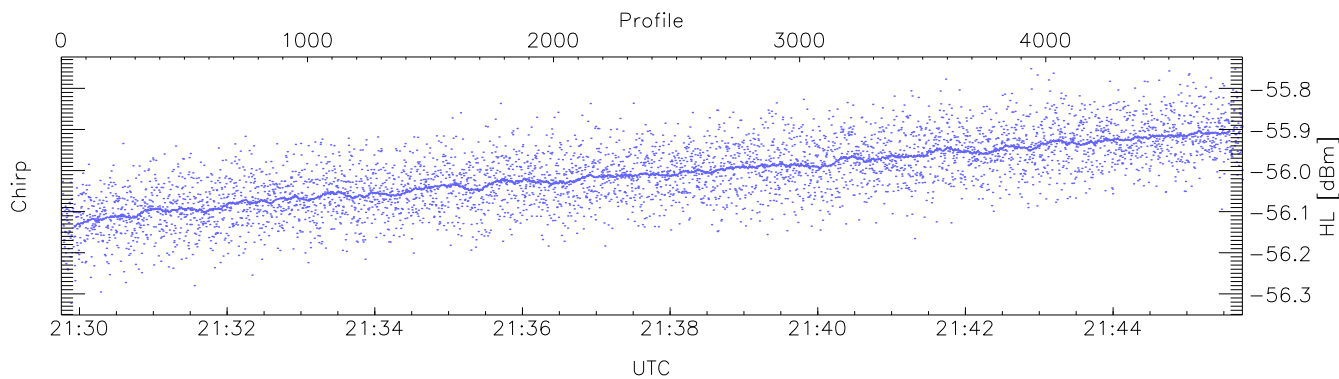
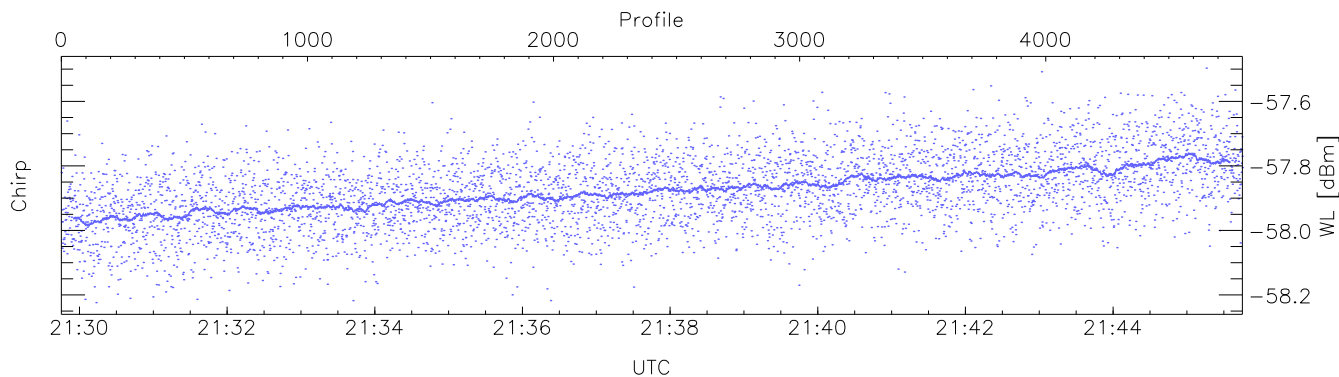
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	17.4,	17.8,	20.7,	13.3,	19.2,	-12.2,	14.3
maxtempC:	24.6,	25.1,	25.7,	20.7,	24.7,	-9.5,	17.1
meantempC:	20.5,	21.2,	23.9,	16.6,	21.7,	-10.9,	15.9

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.77,	11.69,	7.87,	5.21
maxVDC:	27.92,	11.74,	7.90,	5.23
meanVDC:	26.89,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

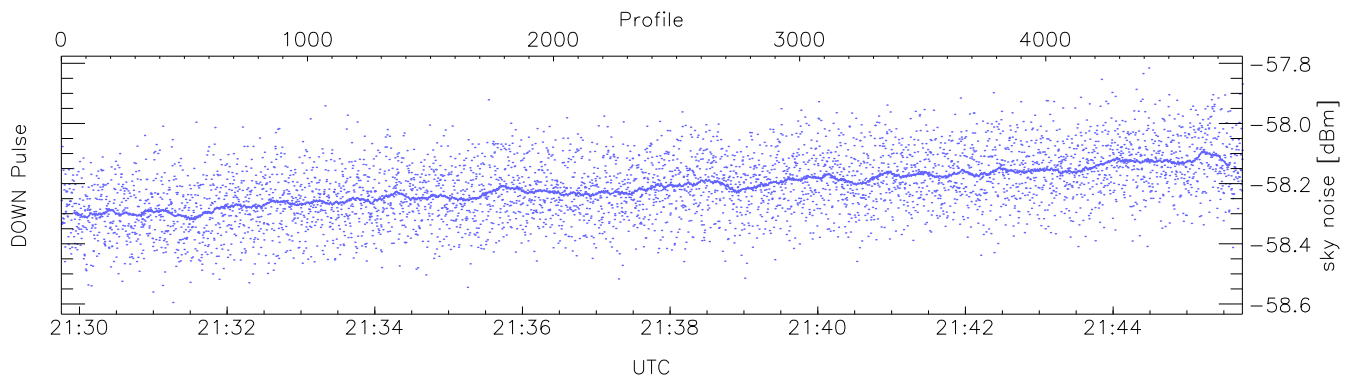
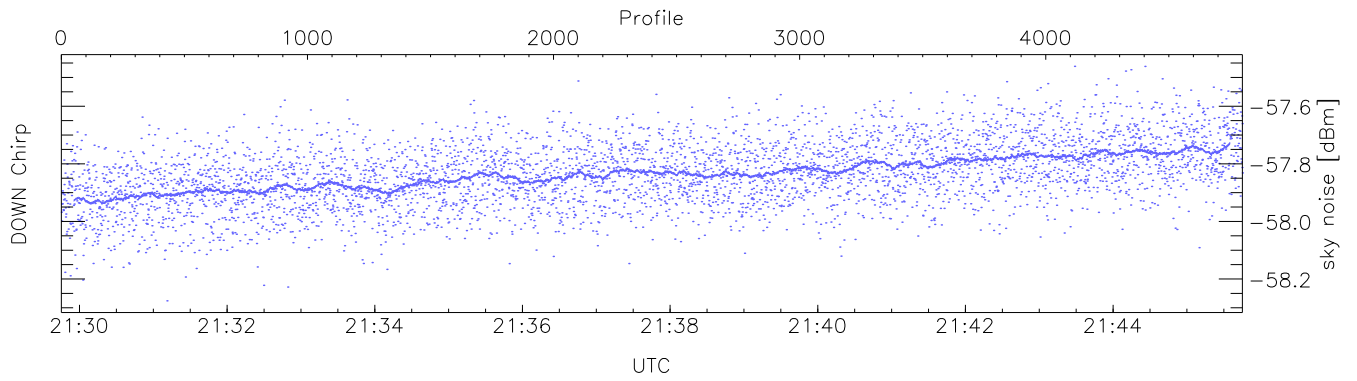
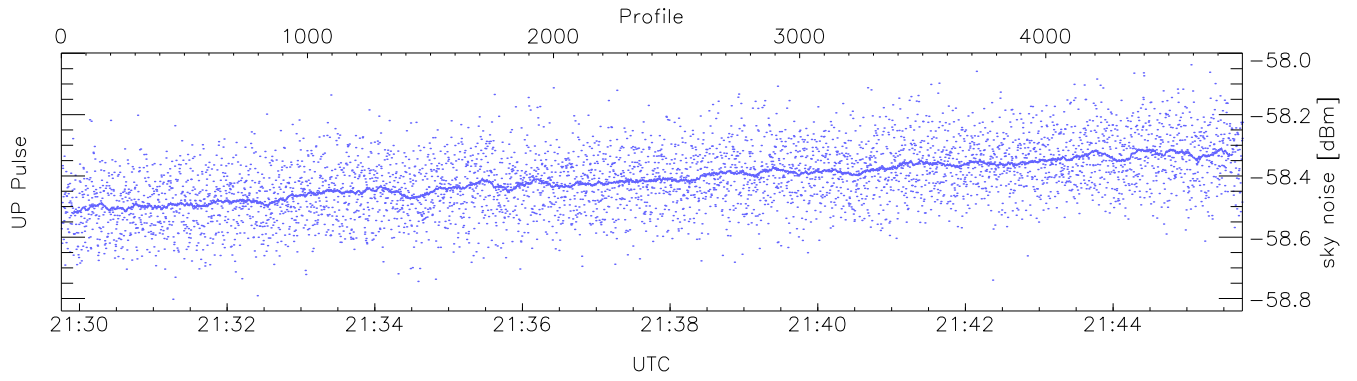
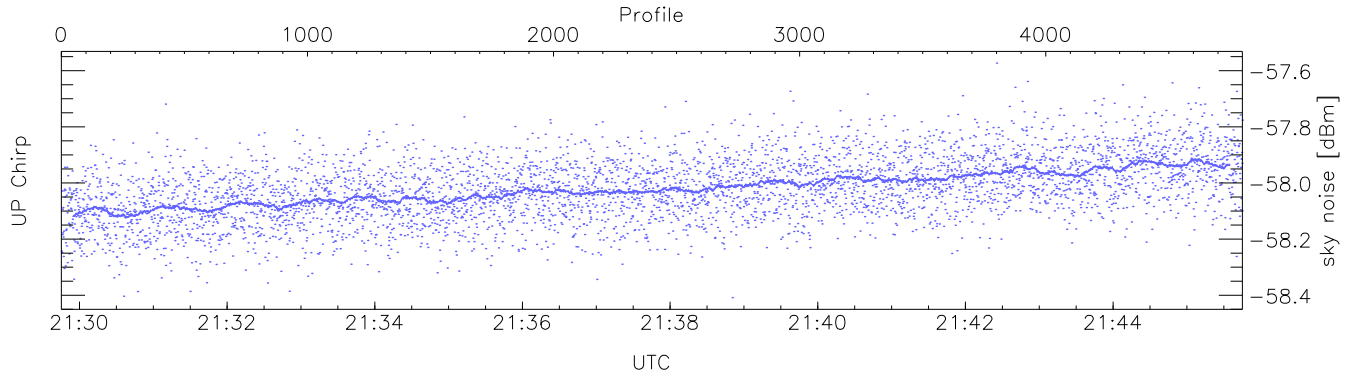


KPR SPP Receiver Gain and Noise Figure



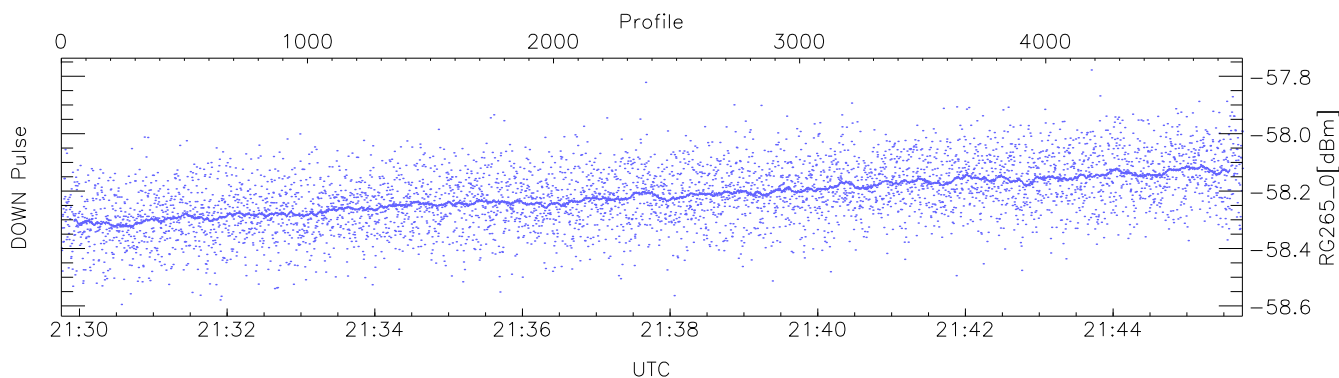
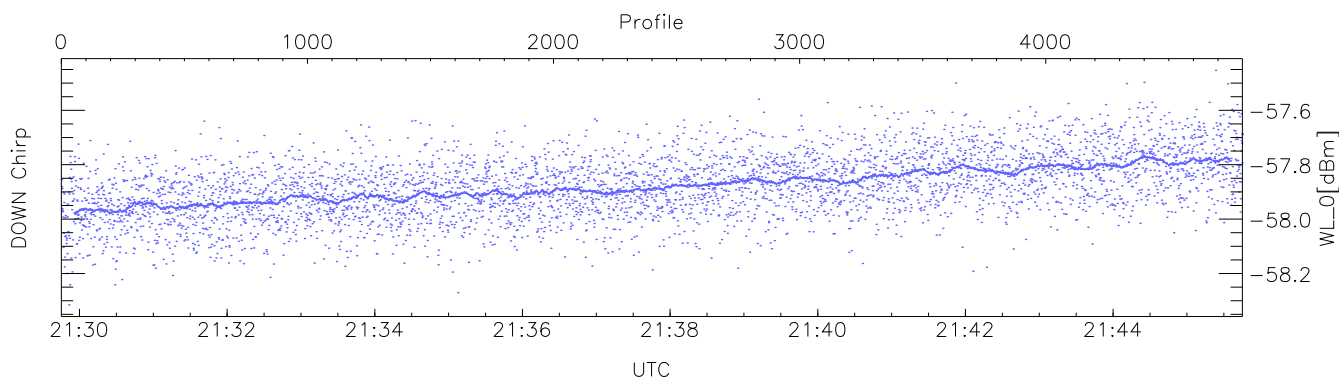
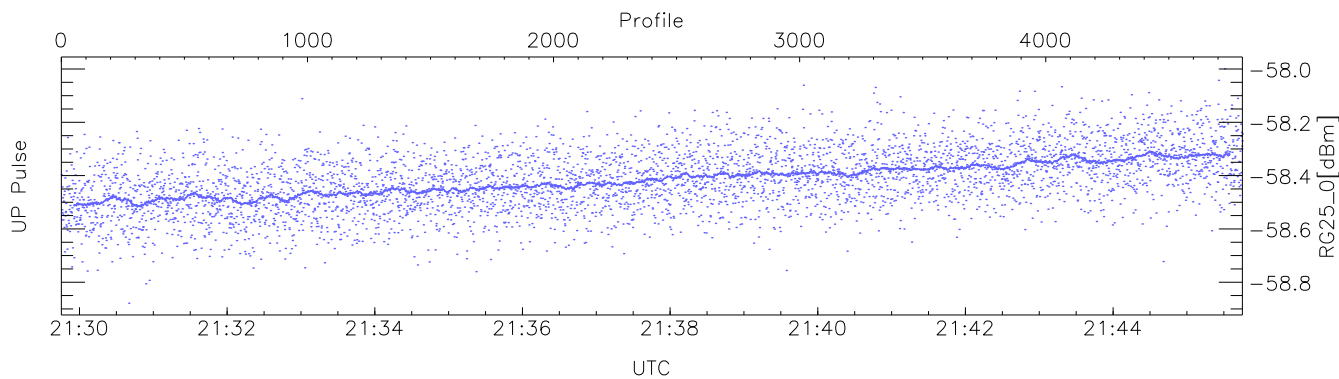
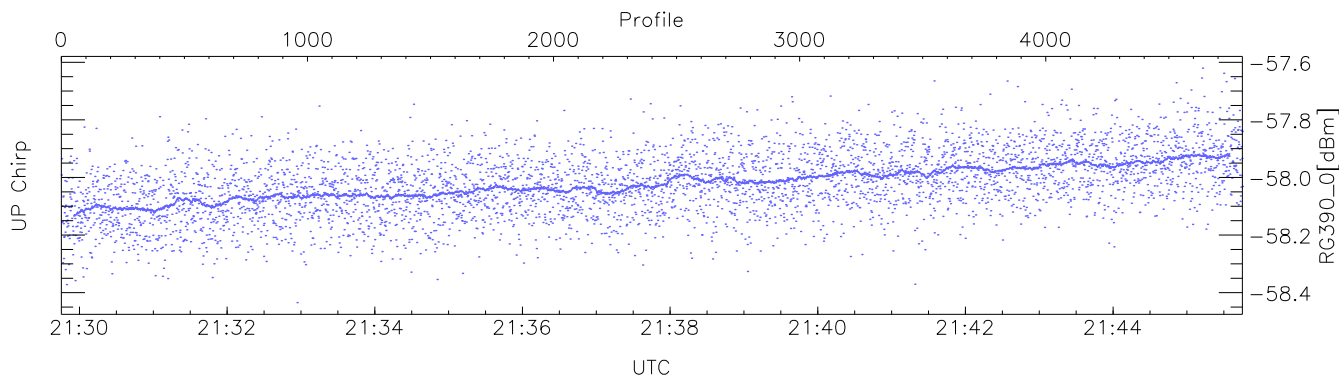
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-58.22	-57.50	-57.88	-57.88	-73.86
Chirp(HL [dBm])	-56.32	-55.75	-56.01	-56.01	-73.08
Pulse(WL [dBm])	-58.61	-57.82	-58.18	-58.18	-74.07
Pulse(HL [dBm])	-57.98	-57.31	-57.60	-57.60	-74.57



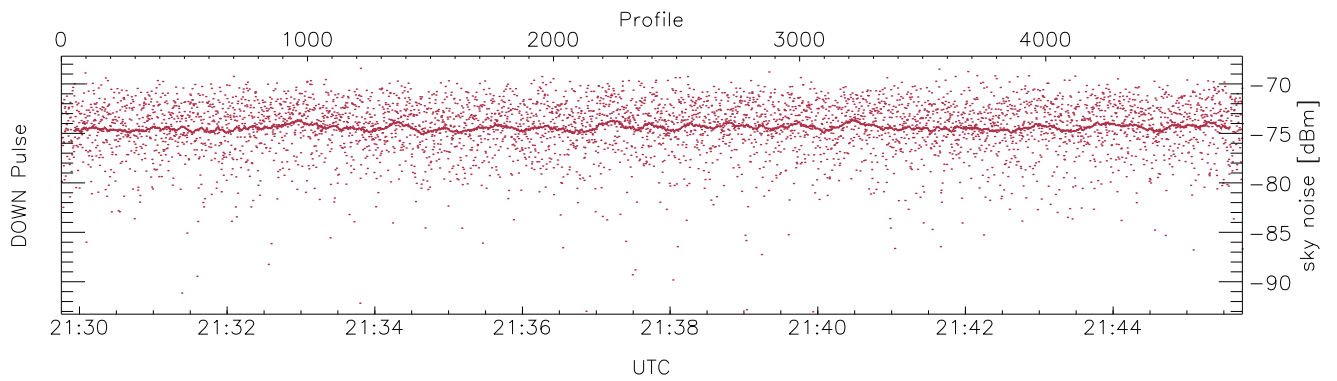
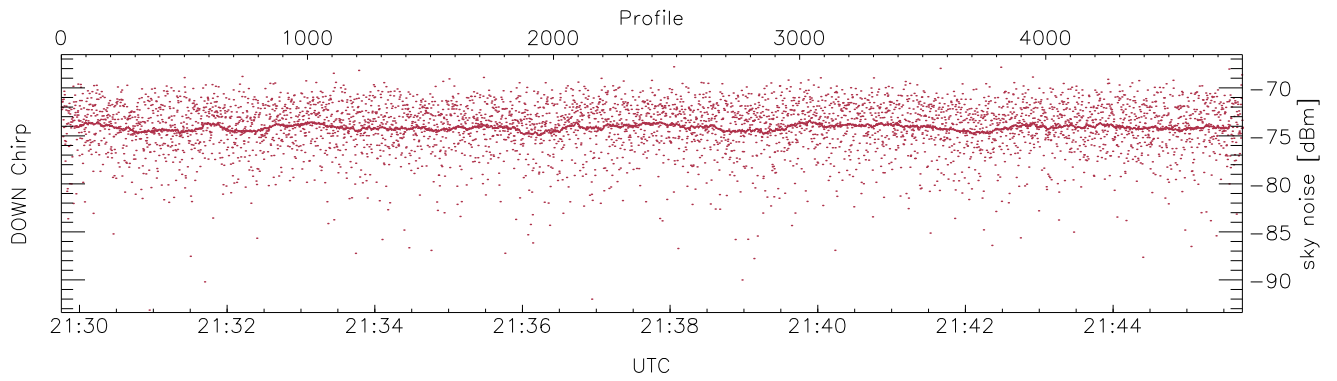
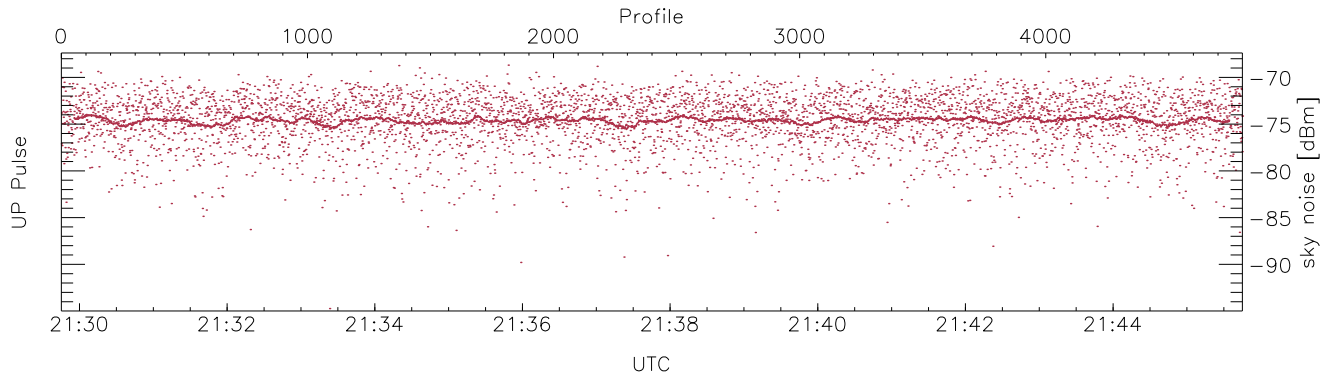
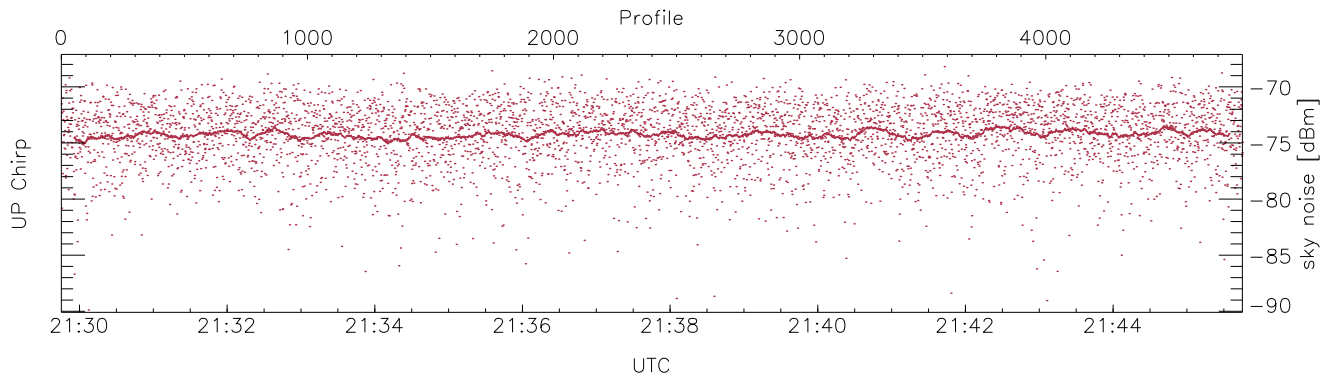
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-58.41	-57.57	-58.02	-58.02	-73.98
UP Pulse(dBm)	-58.80	-58.04	-58.41	-58.41	-74.30
DOWN Chirp(dBm)	-58.28	-57.46	-57.83	-57.84	-73.79
DOWN Pulse(dBm)	-58.59	-57.82	-58.21	-58.21	-74.11



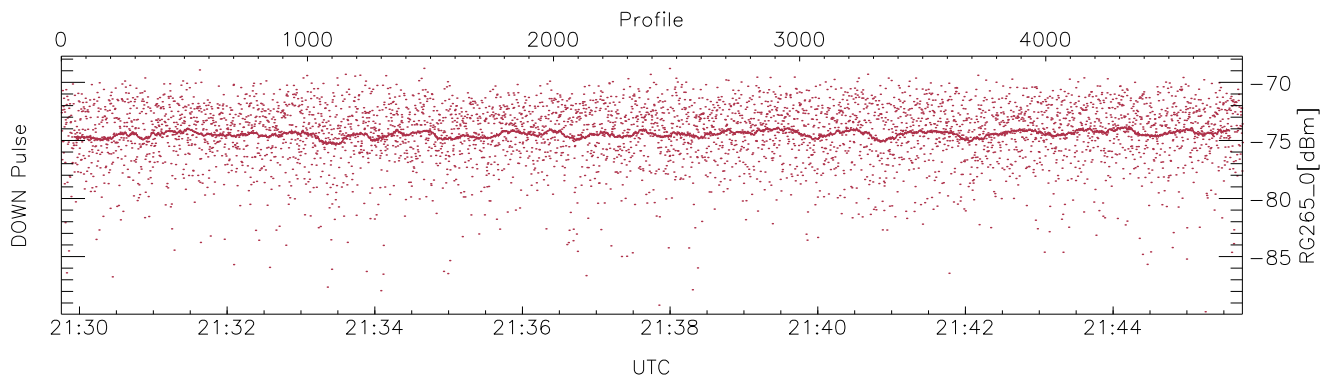
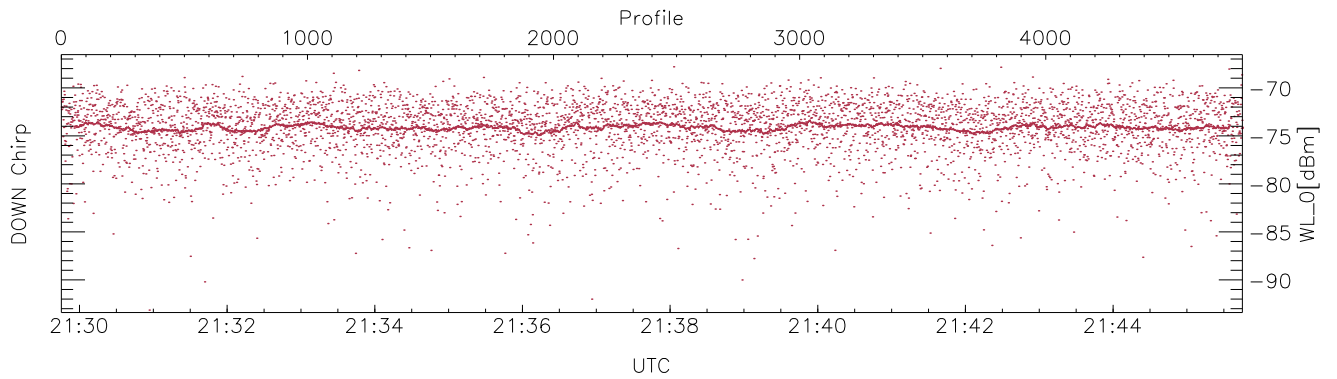
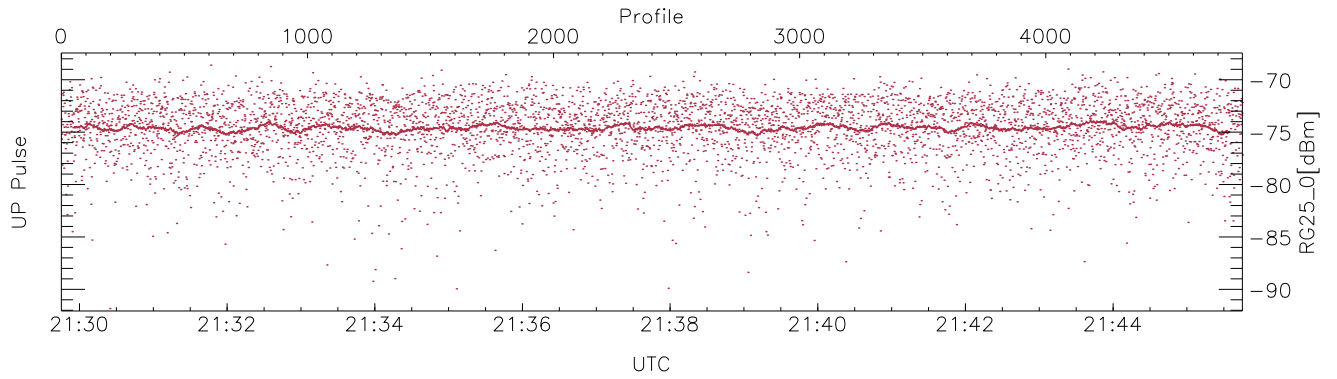
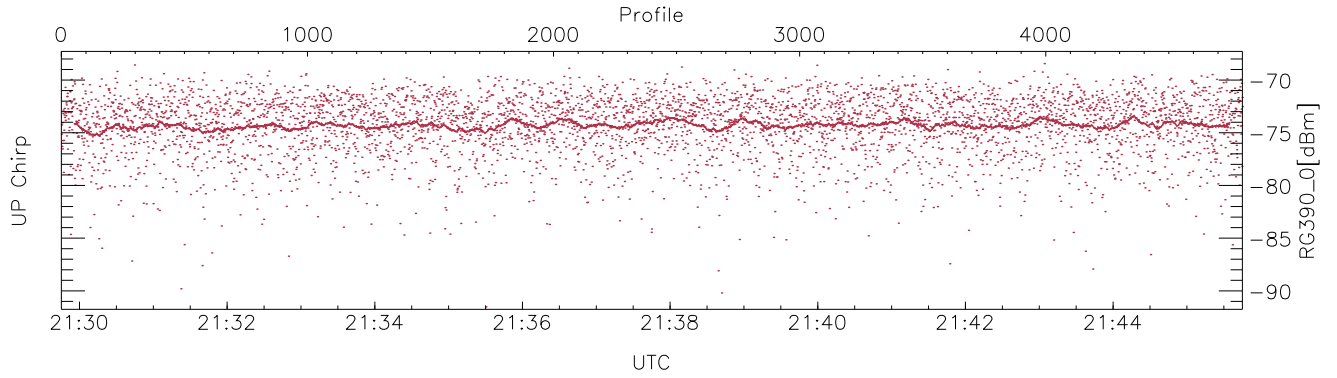
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG390_0	-58.43	-57.62	-58.02	-58.02	-74.00
UP_P_RG25_0	-58.88	-58.00	-58.41	-58.42	-74.26
DOWN_C_WL_0	-58.32	-57.45	-57.88	-57.88	-73.76
DOWN_P_RG265_0	-58.59	-57.78	-58.22	-58.22	-74.05



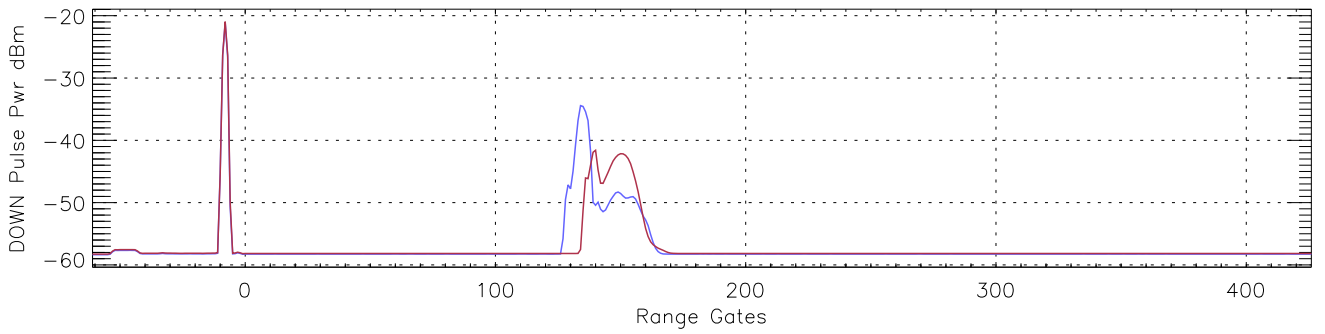
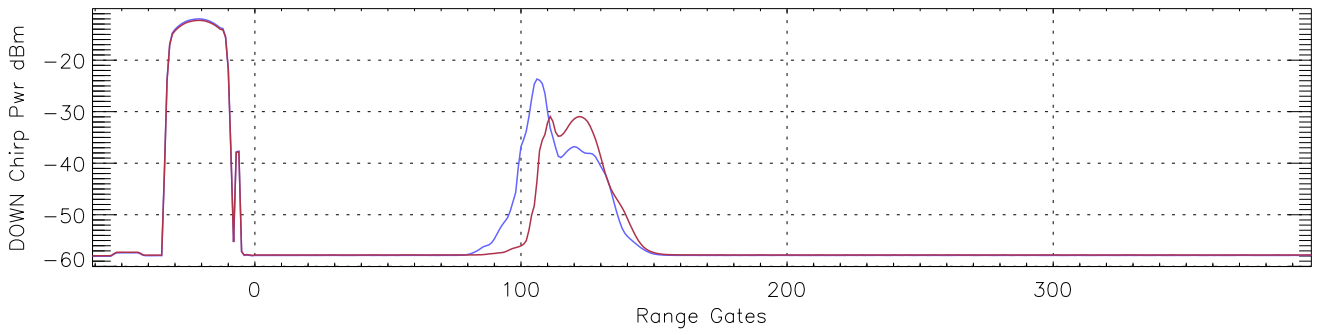
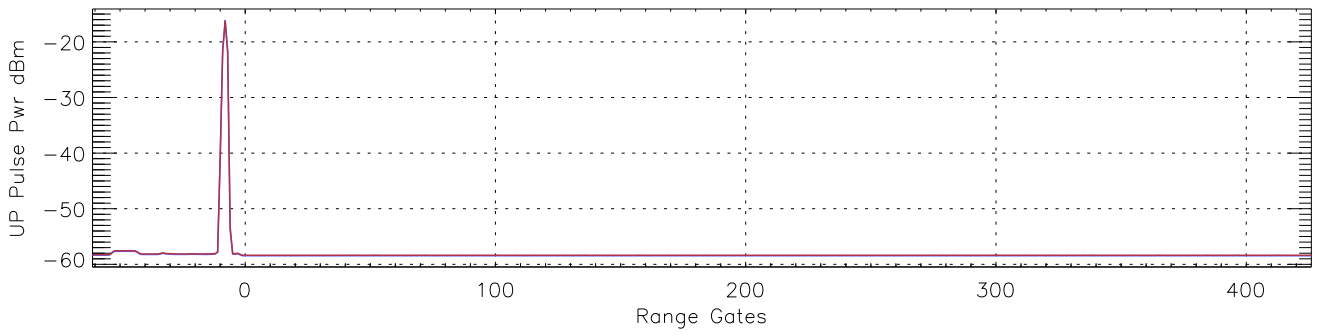
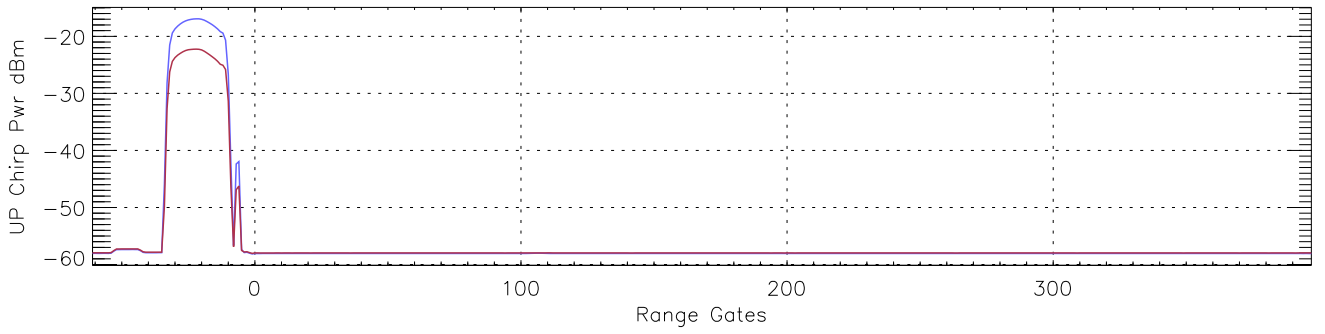
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-89.88	-68.19	-73.54	-73.81	-76.34
UP Pulse(dBm)	-94.73	-68.69	-73.90	-74.15	-76.74
DOWN Chirp(dBm)	-93.15	-67.81	-73.41	-73.66	-76.26
DOWN Pulse(dBm)	-93.03	-68.43	-73.69	-73.97	-76.47

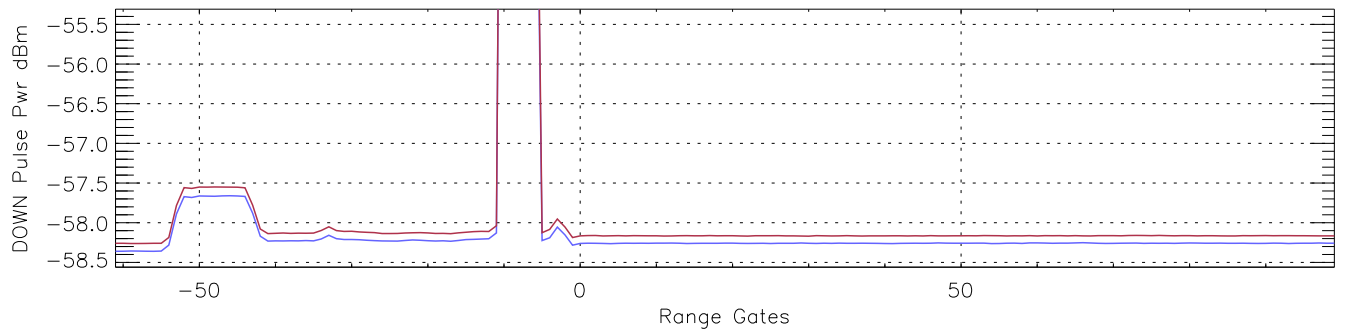
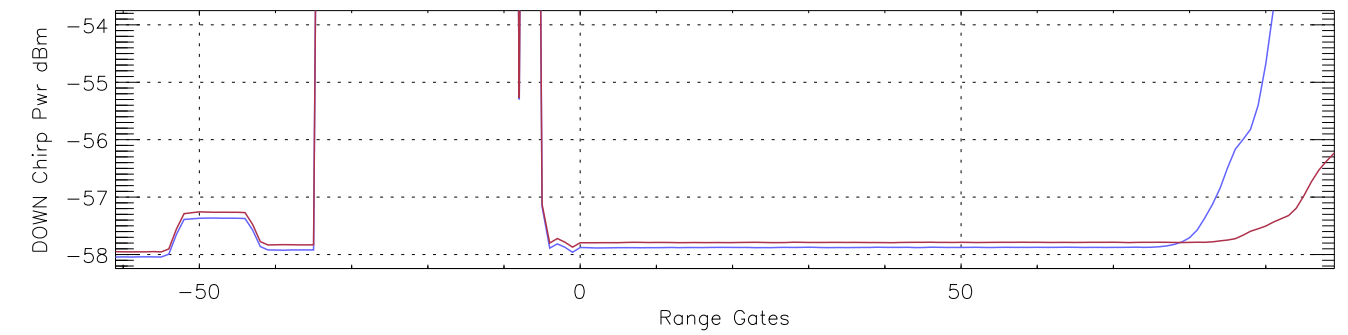
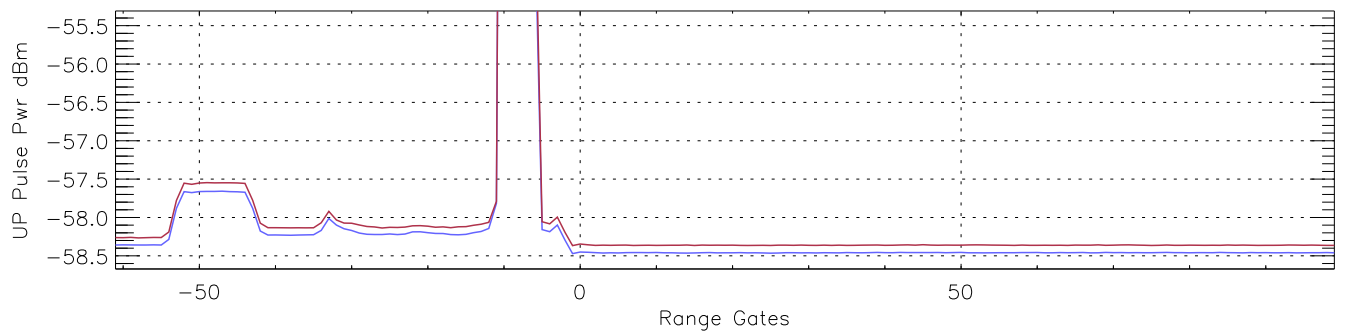
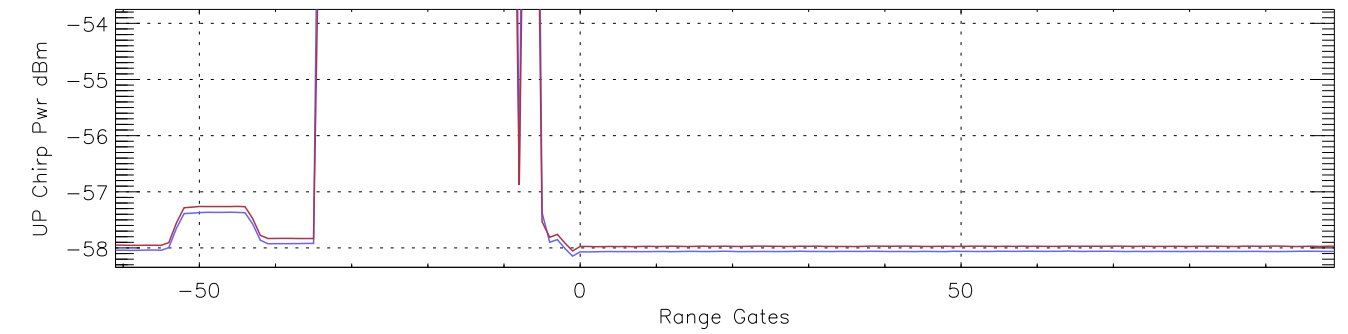


KPR SPP "Best" PPMAG noise (dBm):

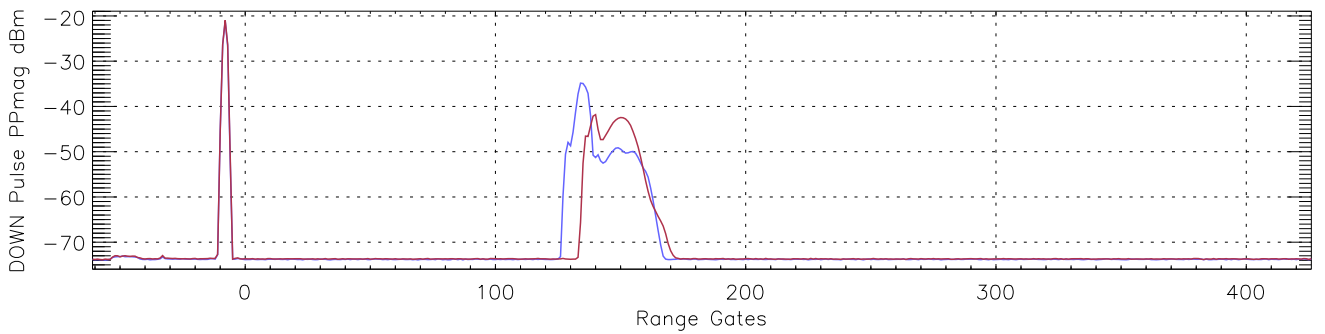
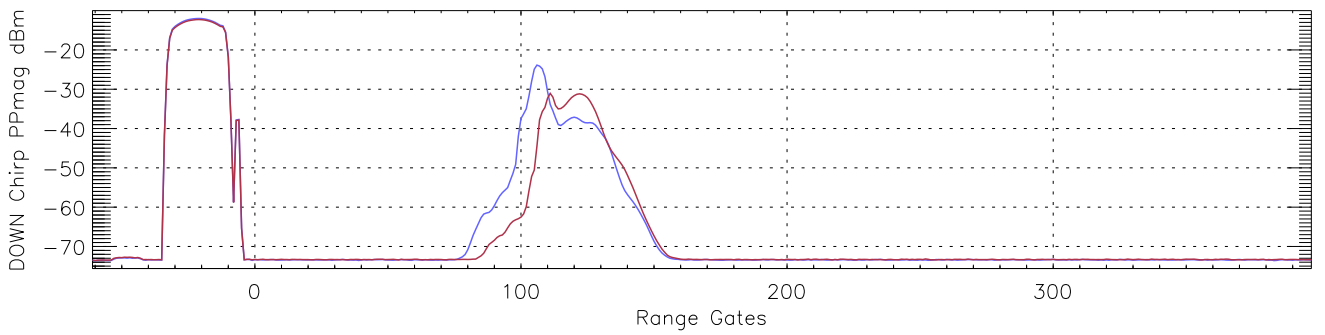
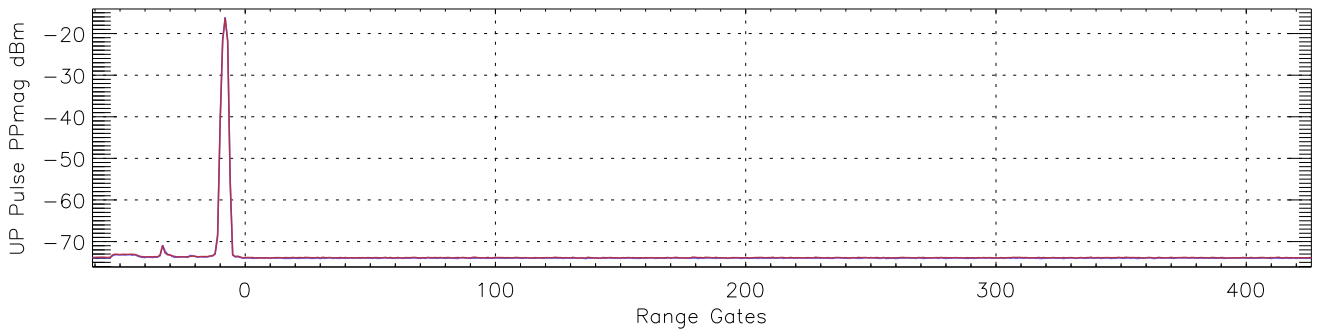
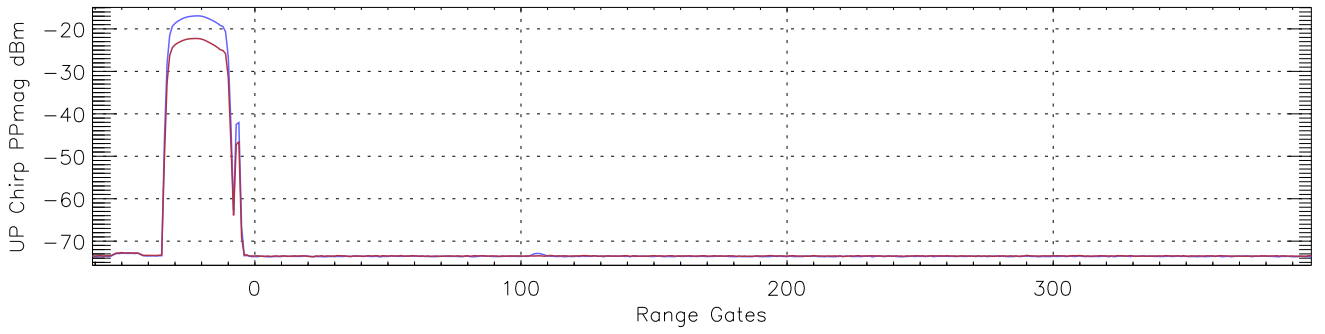
	Min	Max	Mean	Median	StDev
UP_C_RG390_0	-91.52	-68.44	-73.58	-73.80	-76.42
UP_P_RG25_0	-91.83	-68.61	-73.89	-74.18	-76.77
DOWN_C_WL_0	-93.15	-67.81	-73.41	-73.66	-76.26
DOWN_P_RG265_0	-89.75	-68.80	-73.75	-74.02	-76.60



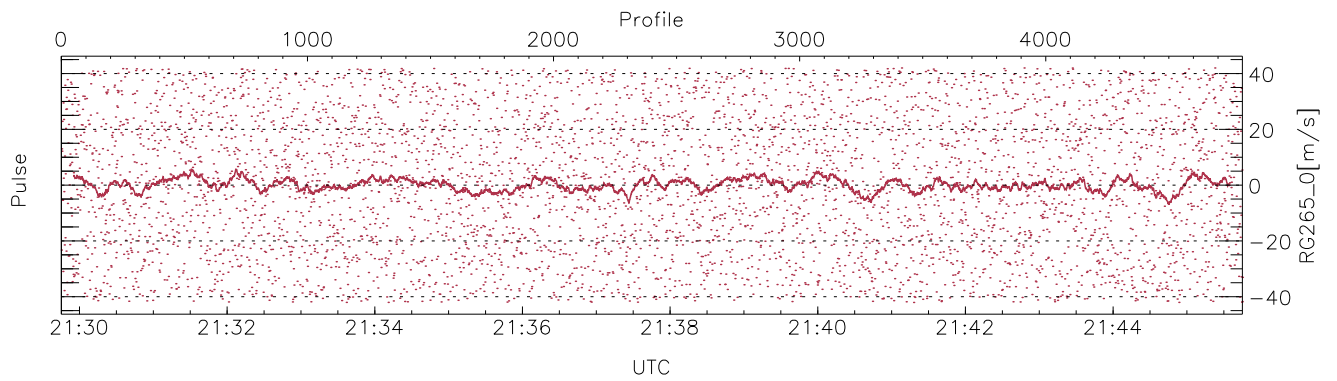
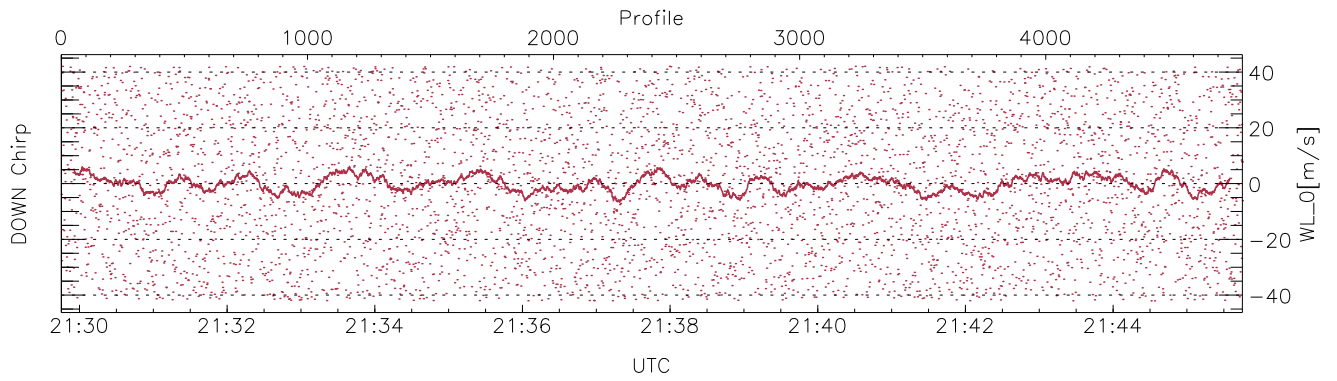
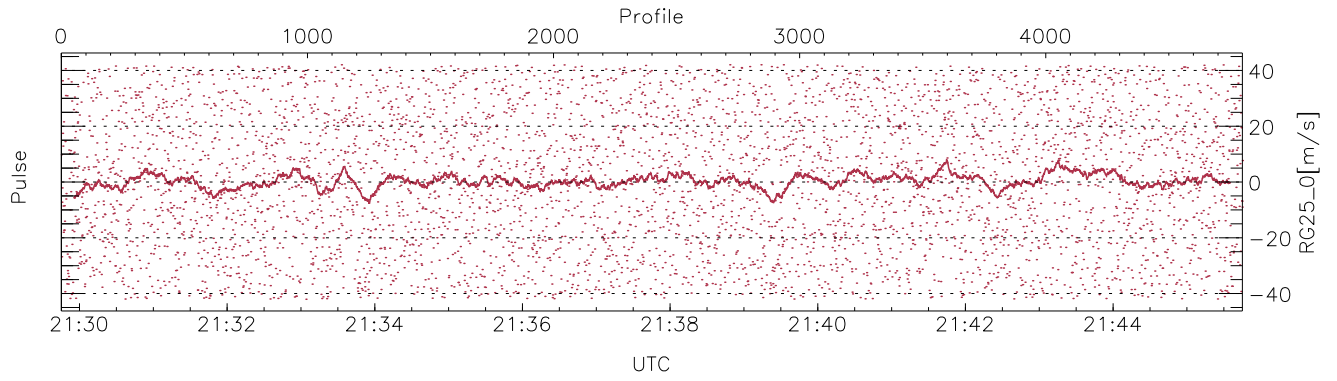
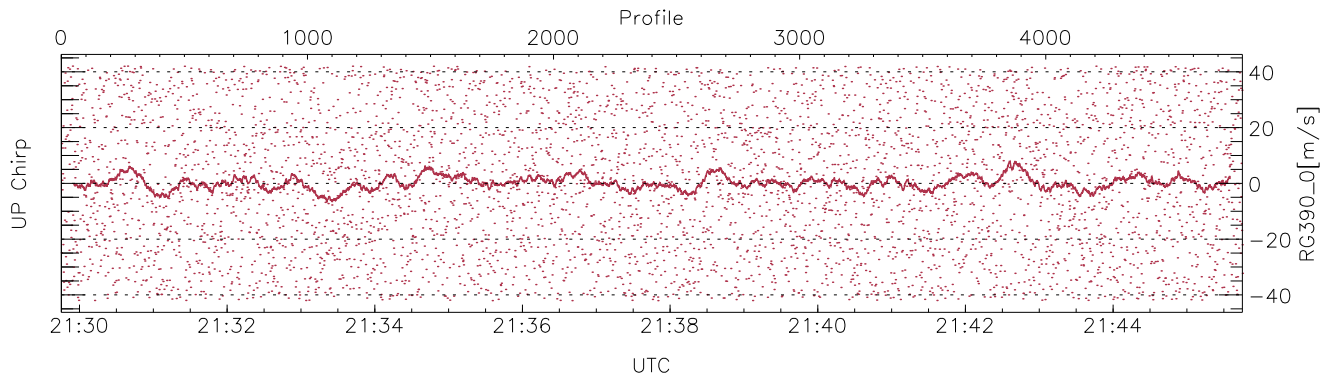
KPR SPP Averaged Received power for all recorded gates
blue: 212945-213745, 2401 profiles averaged
red: 213745-214545, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 212945-213745, 2401 profiles averaged
red: 213745-214545, 2400 profiles averaged

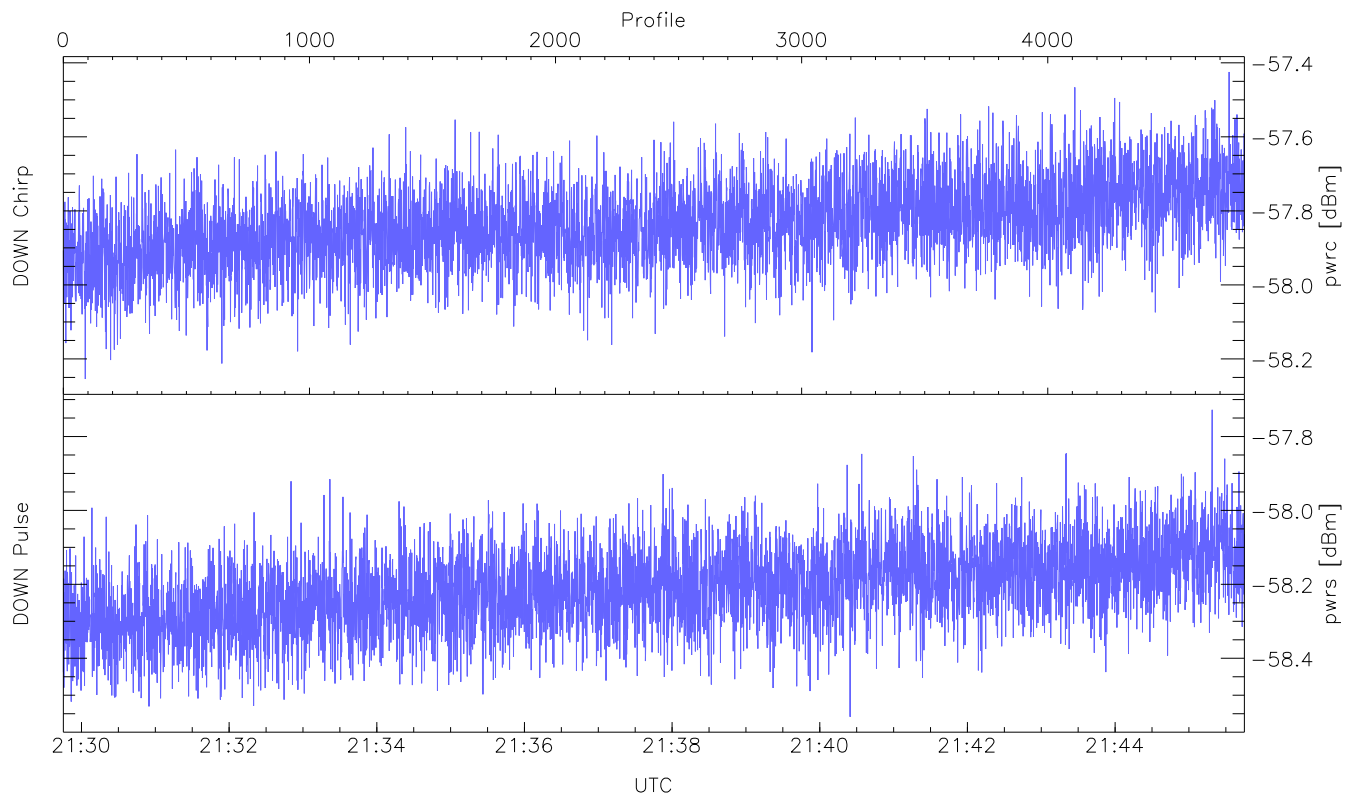
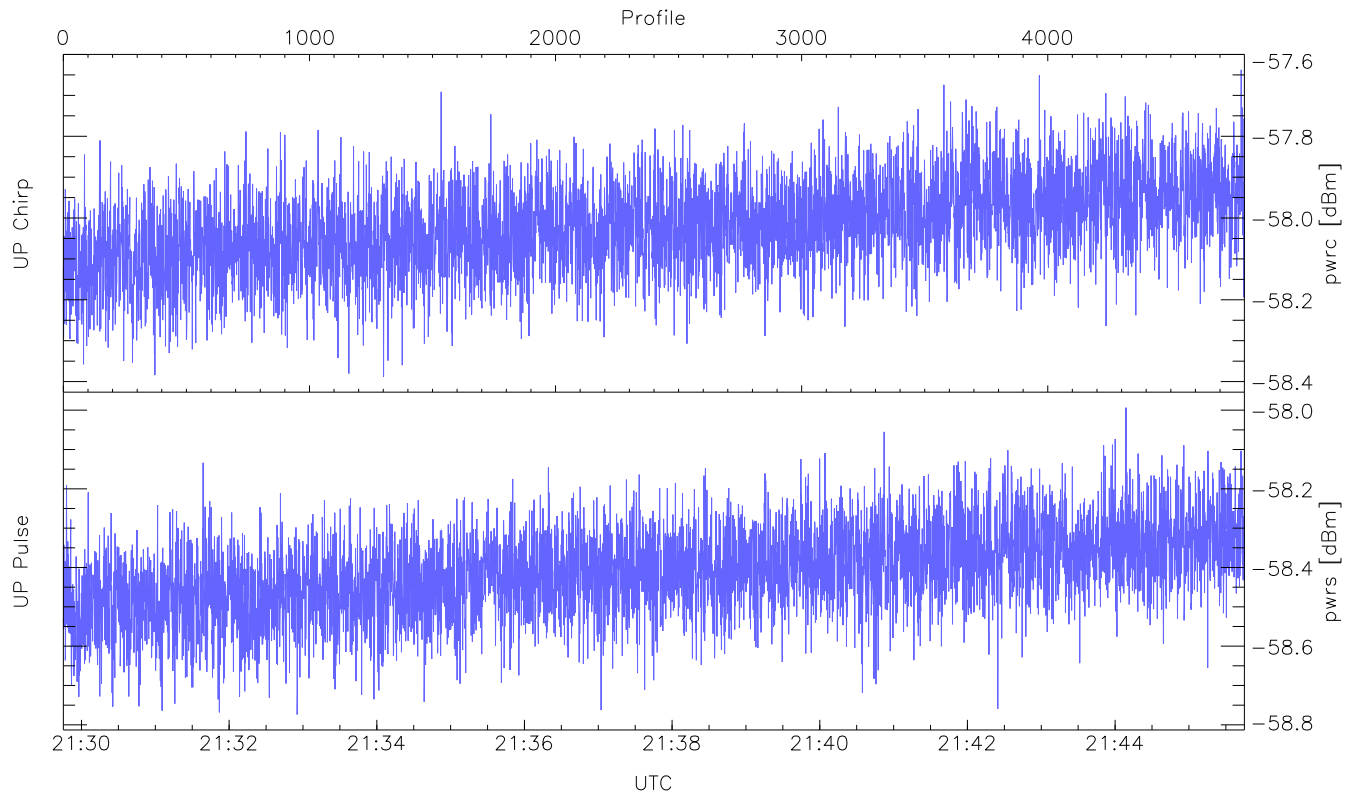


KPR SPP Averaged PP magnitude for all recorded gates
blue: 212945-213745, 2401 profiles averaged
red: 213745-214545, 2400 profiles averaged



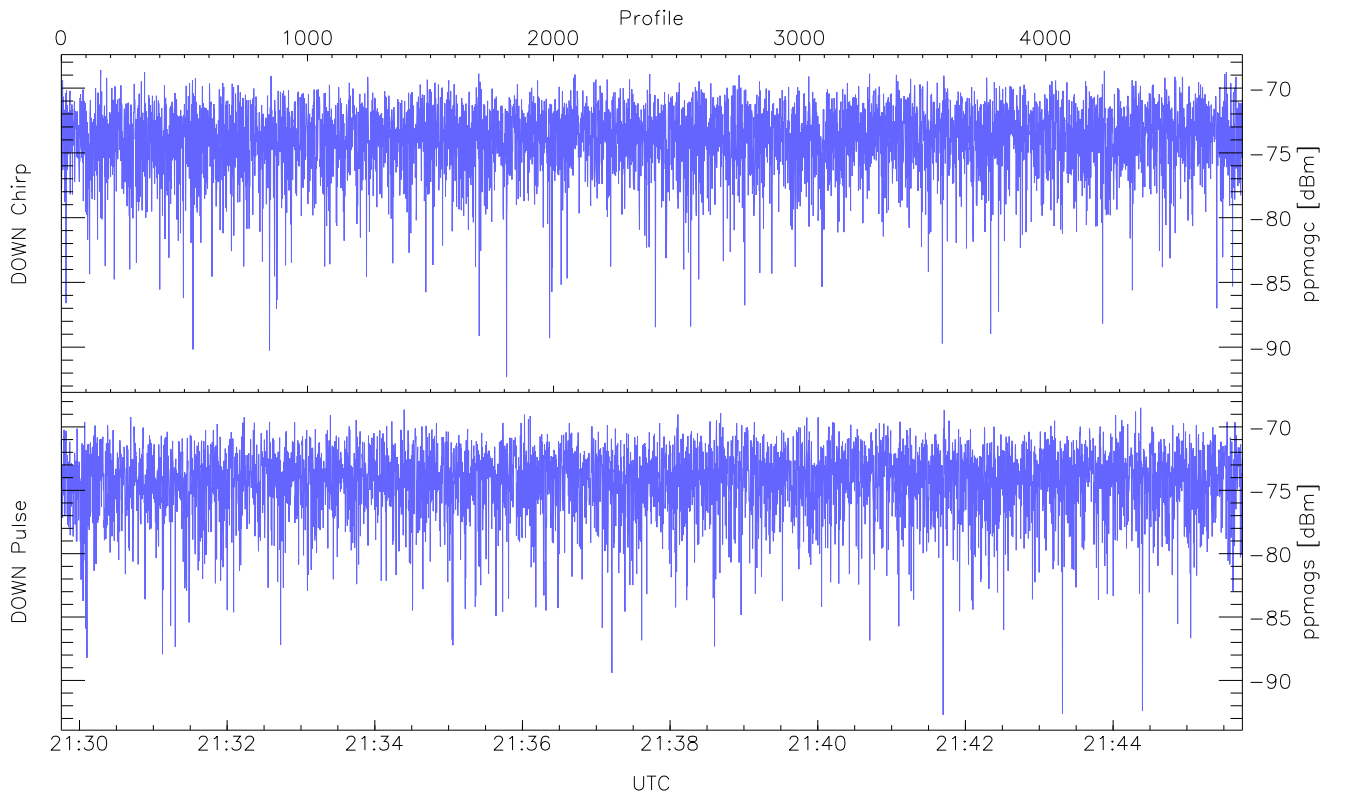
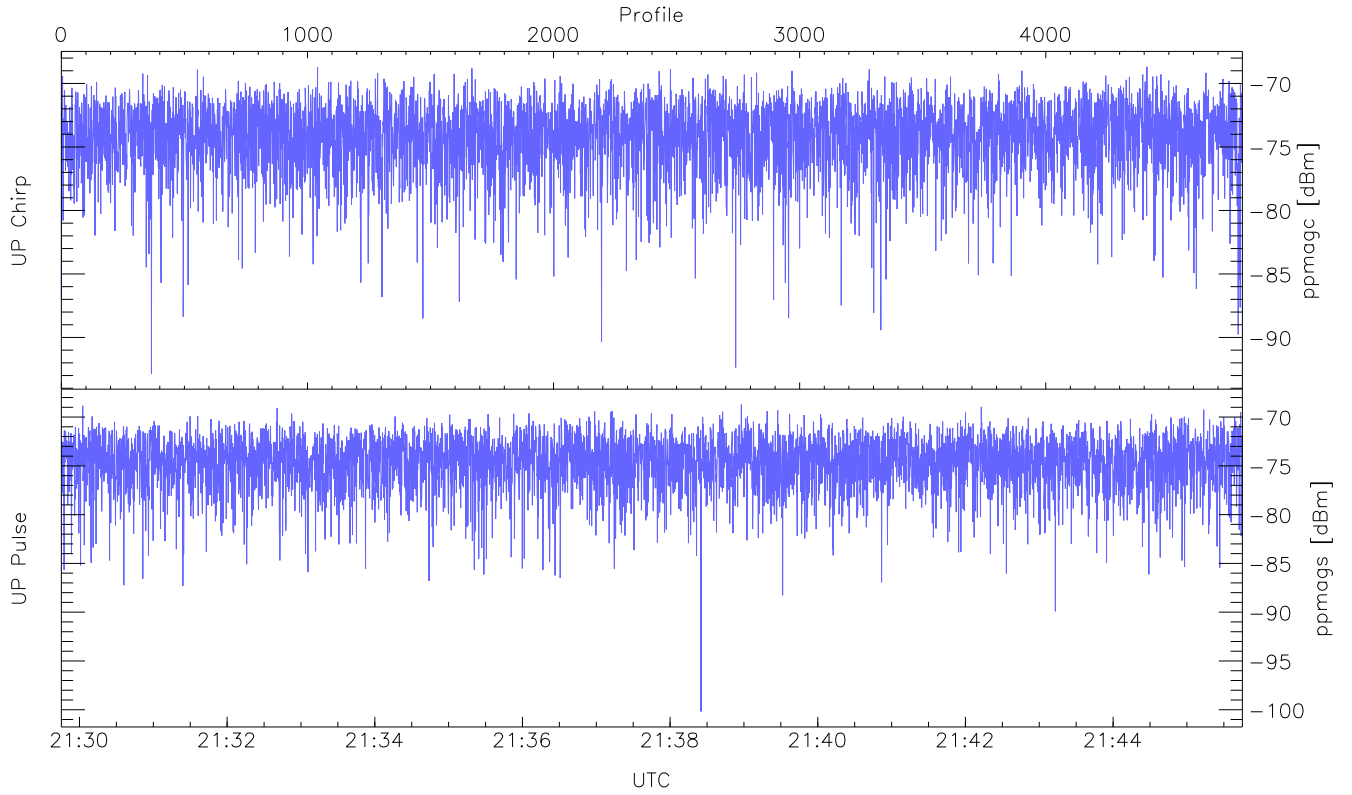
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG390_0	-42.06	42.04	0.11	-0.10	24.47
UP_P_RG25_0	-42.04	42.06	0.22	0.23	23.84
DOWN_C_WL_0	-42.06	42.05	-0.06	-0.24	24.16
DOWN_P_RG265_0	-42.05	42.02	0.08	-0.12	24.12



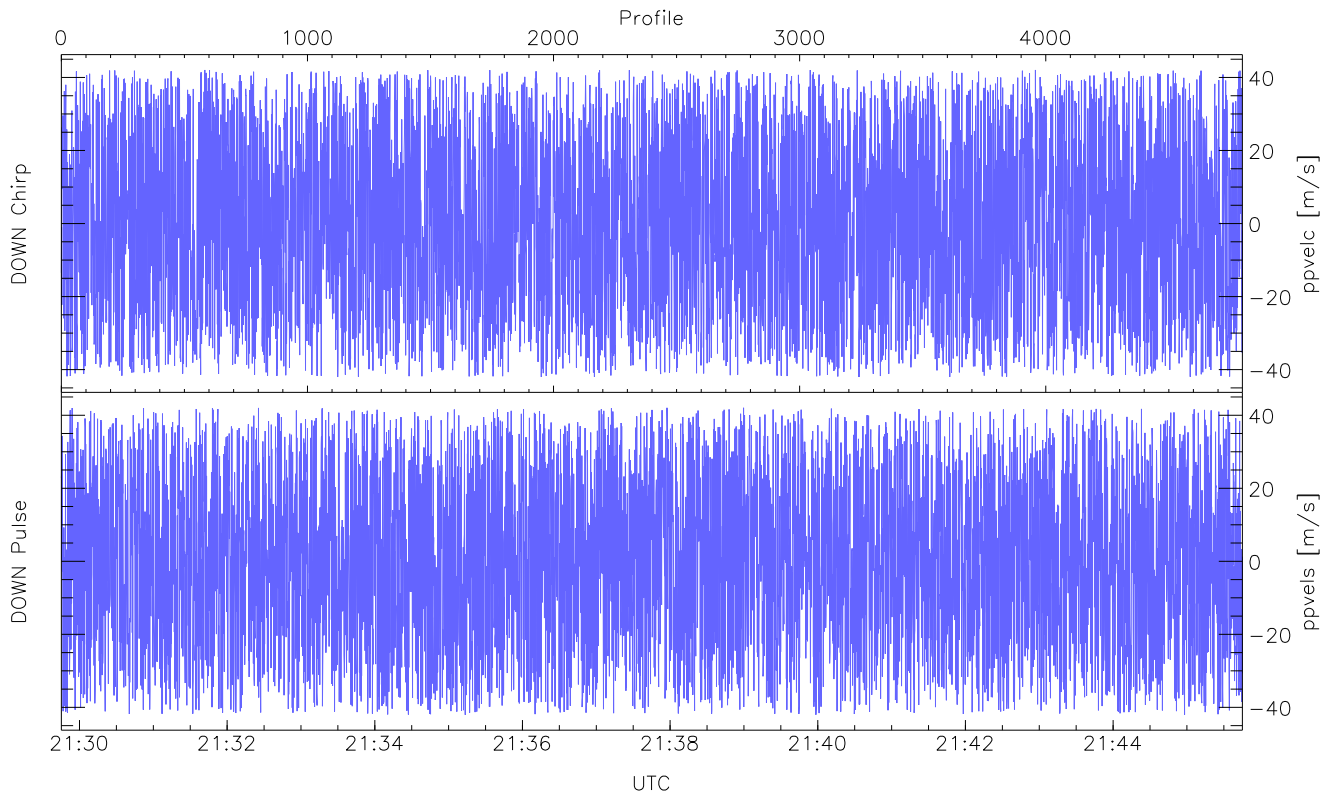
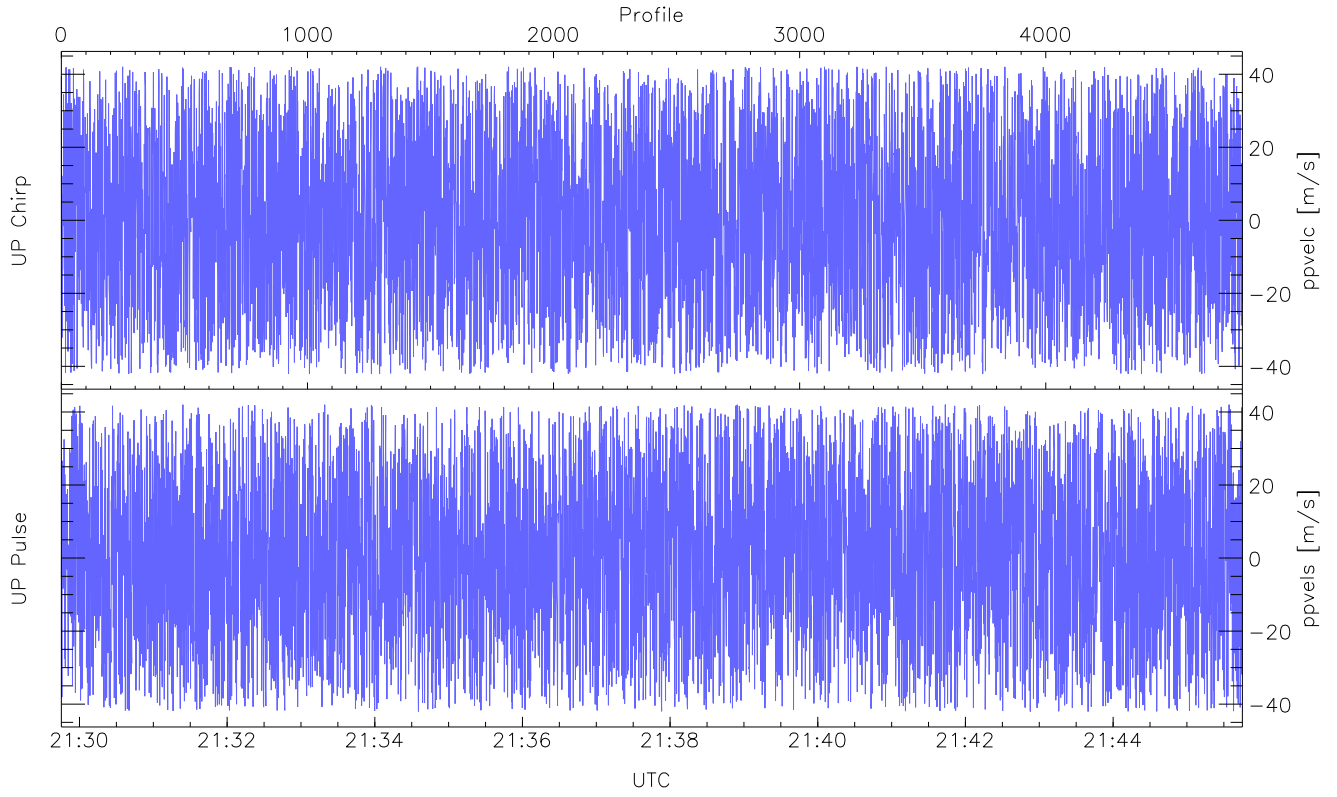
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-58.39	-57.64	-58.02
UP Pulse(dBm)	-58.77	-57.99	-58.41
DOWN Chirp(dBm)	-58.25	-57.42	-57.83
DOWN Pulse(dBm)	-58.56	-57.73	-58.21



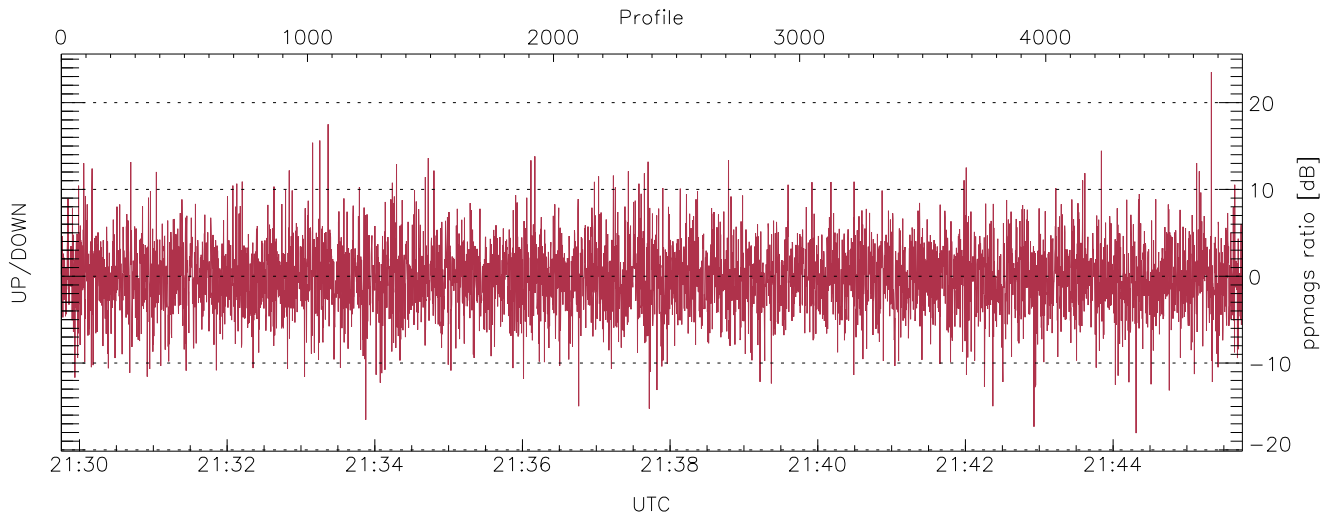
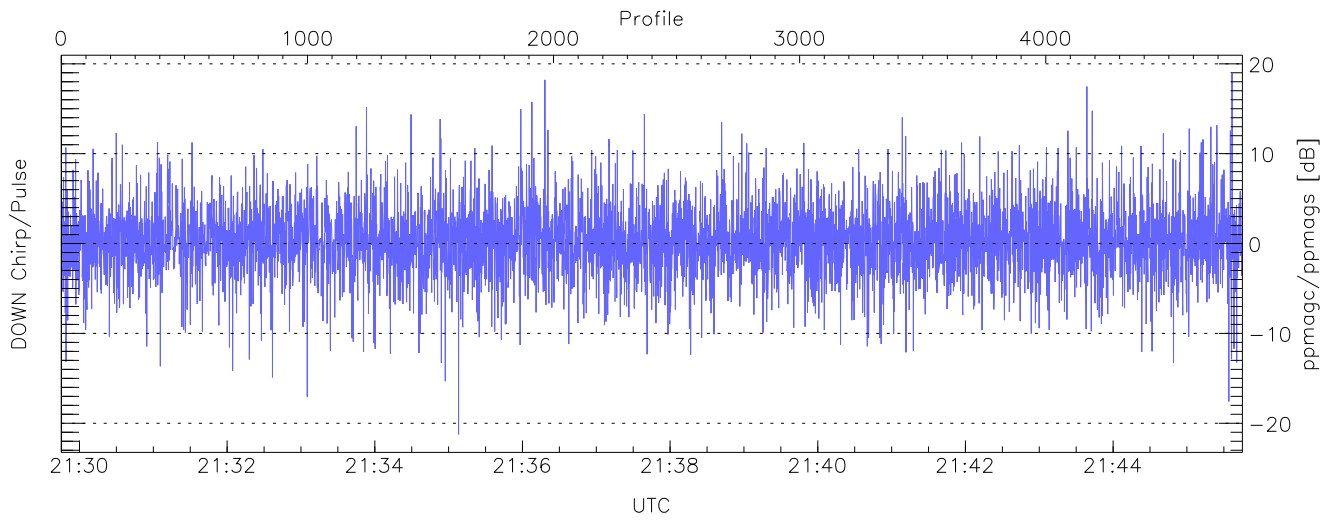
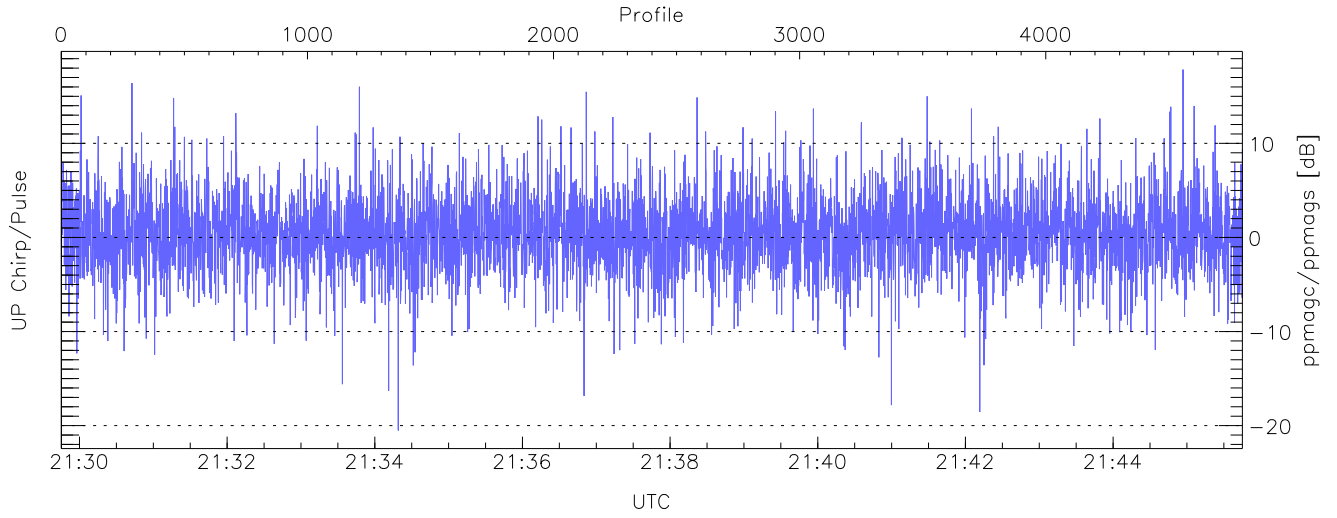
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-92.86	-68.68	-73.56
UP Pulse(dBm)	-100.19	-68.71	-74.00
DOWN Chirp(dBm)	-92.30	-68.60	-73.35
DOWN Pulse(dBm)	-92.71	-68.49	-73.68



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)	-42.06	42.05	-0.11
UP Pulse(m/s)	-42.05	42.05	0.30
DOWN Chirp(m/s)	-42.03	42.05	0.49
DOWN Pulse(m/s)	-42.04	42.05	0.08



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-20.52	17.85	2.29
DOWN Chirp/Pulse(dBm)	-21.23	18.95	2.26
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-18.07	23.52	1.83