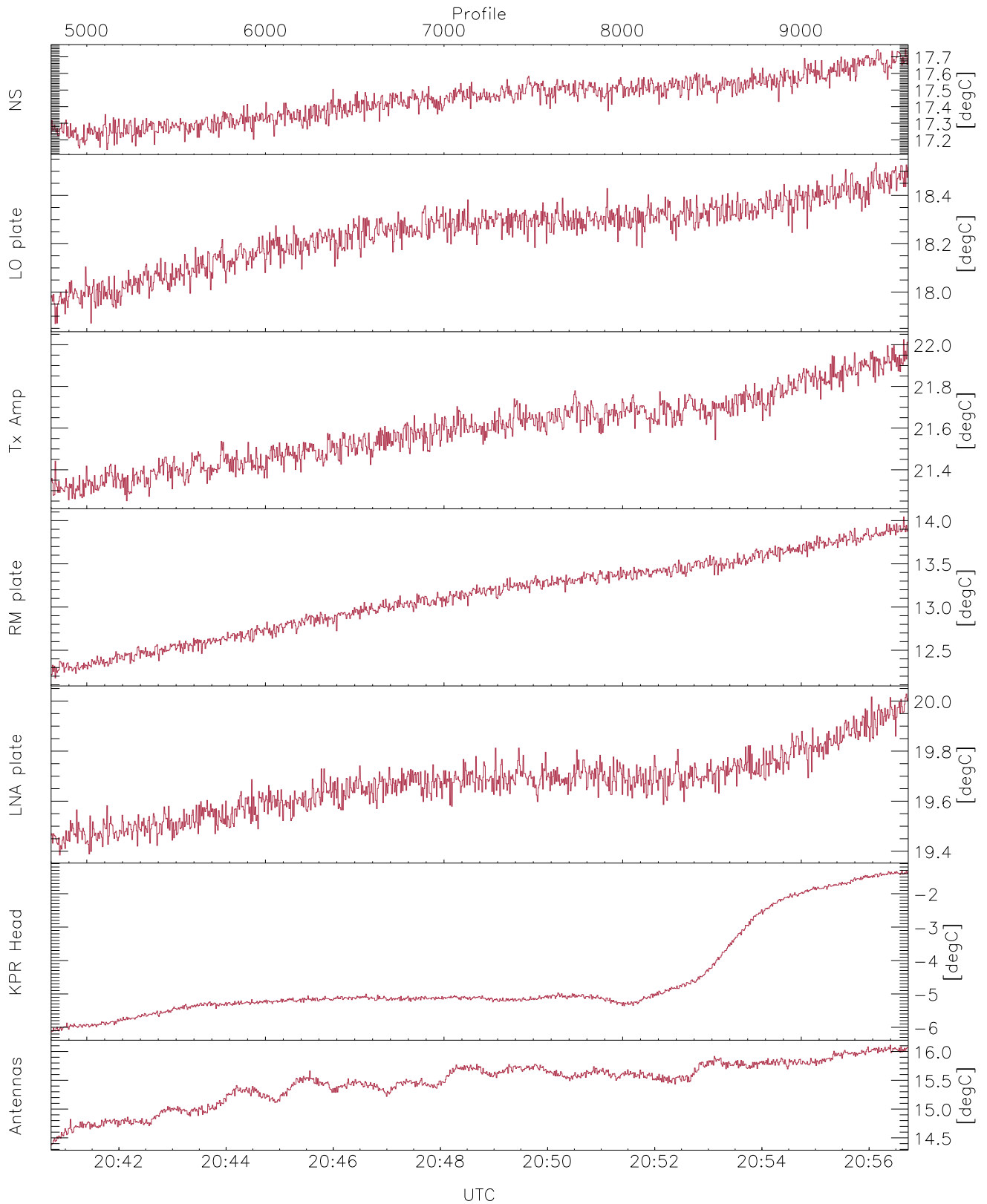


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 20:24:44-21:10:13, TimeCor: 0.00s, Dur: 959.80s
 TimeInt(min,max,mn,std): 189.8,210.1,200.0,0.4 ms; PPS: 5.0
 NumRec(r/t): 4800/13644, 4800-9599/20:40:44-20:56:44
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, 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

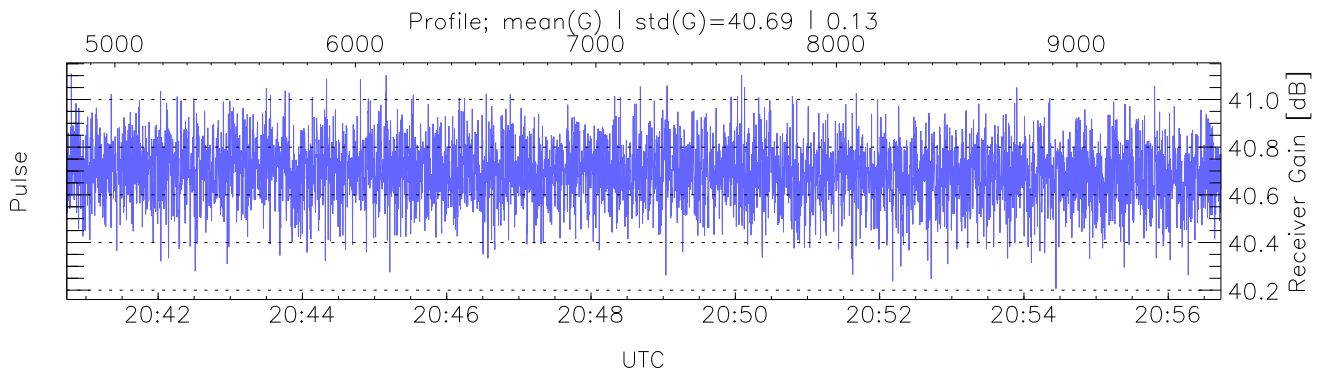
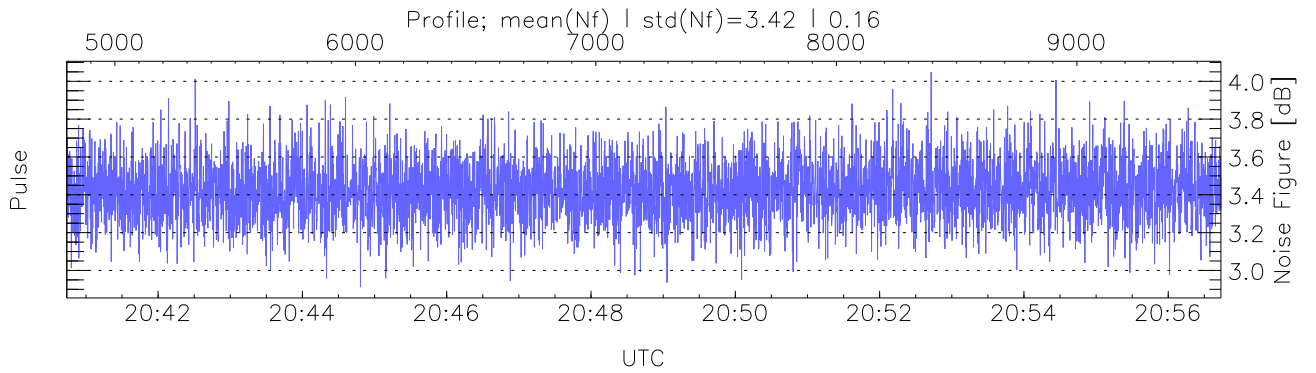
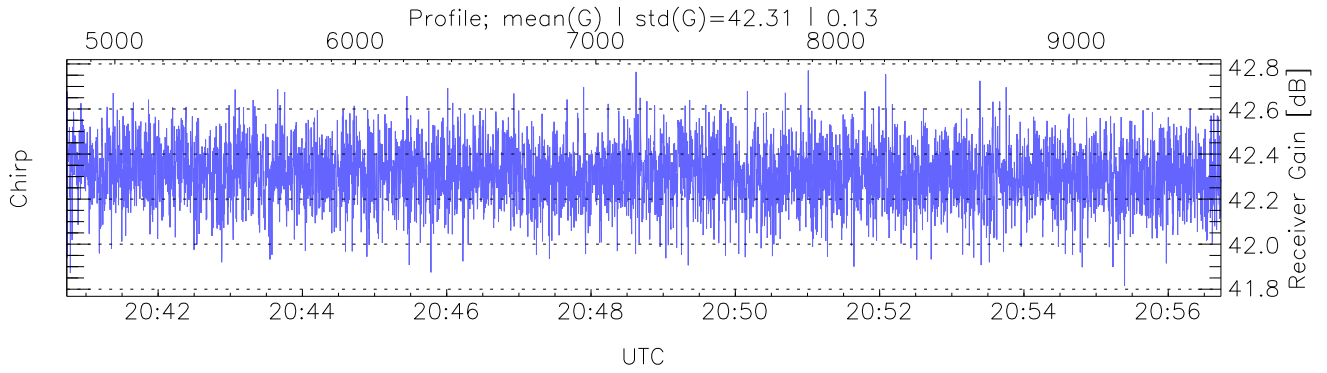
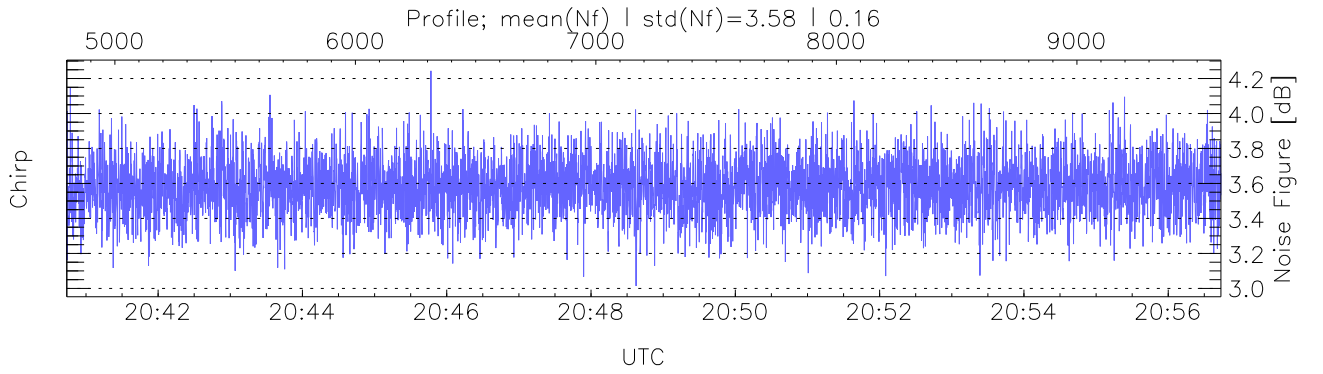


KPR SPP Temperatures, Power Supplies, PLO lock:

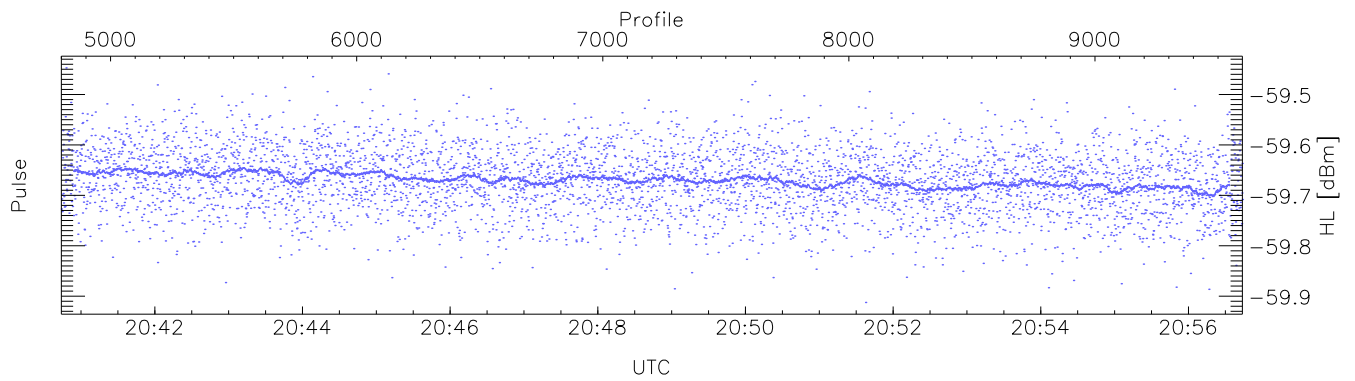
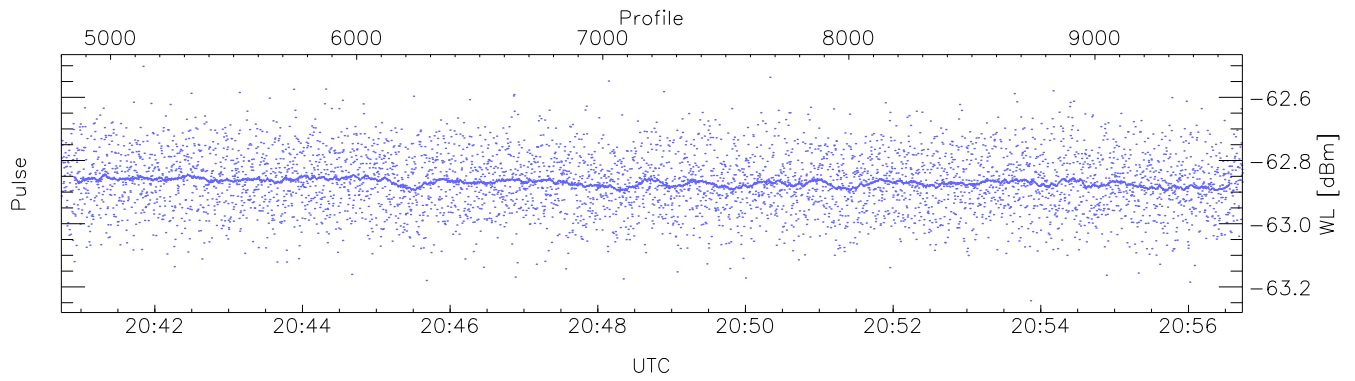
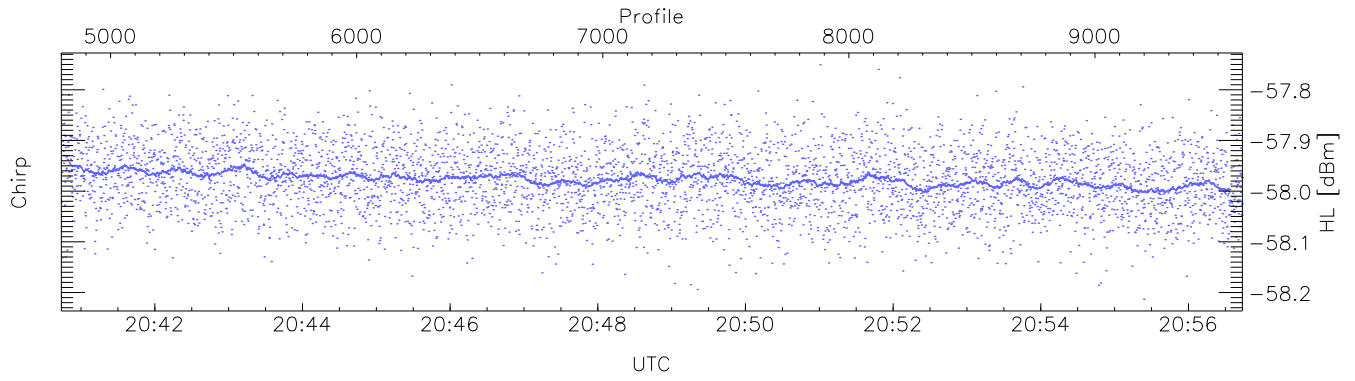
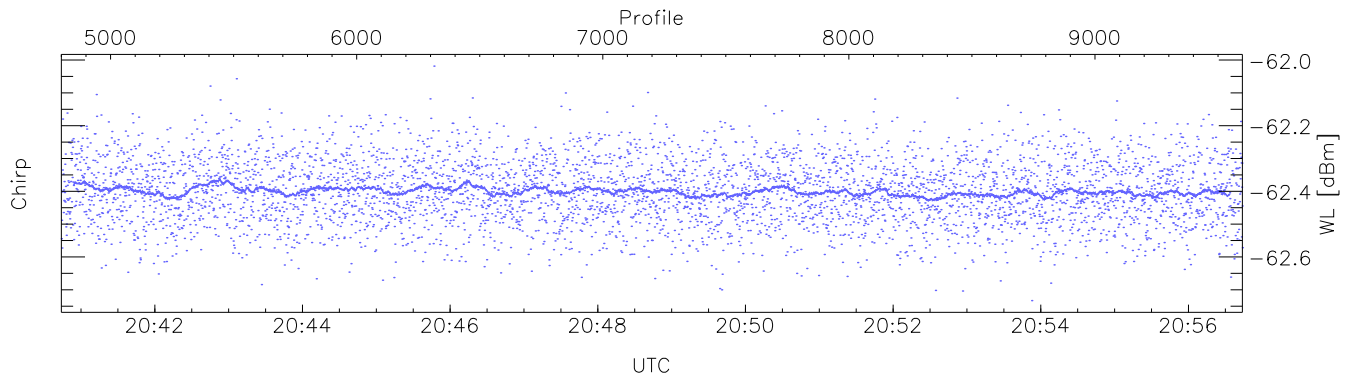
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	17.1,	17.9,	21.3,	12.2,	19.4,	-6.1,	14.4
maxtempC:	17.7,	18.5,	22.0,	14.0,	20.0,	-1.3,	16.1
meantempC:	17.4,	18.2,	21.6,	13.1,	19.7,	-4.5,	15.5

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.58,	11.69,	7.87,	5.21
maxVDC:	27.73,	11.74,	7.90,	5.23
meanVDC:	26.93,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

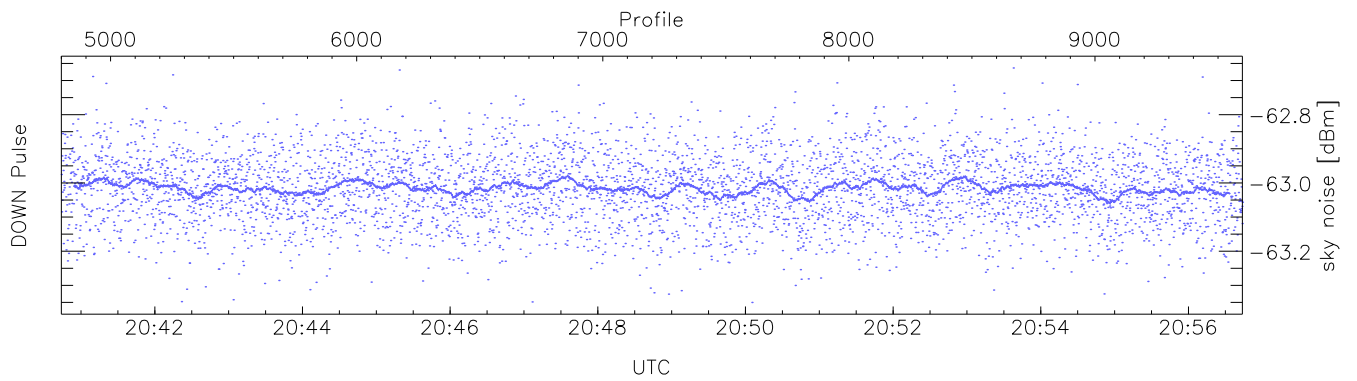
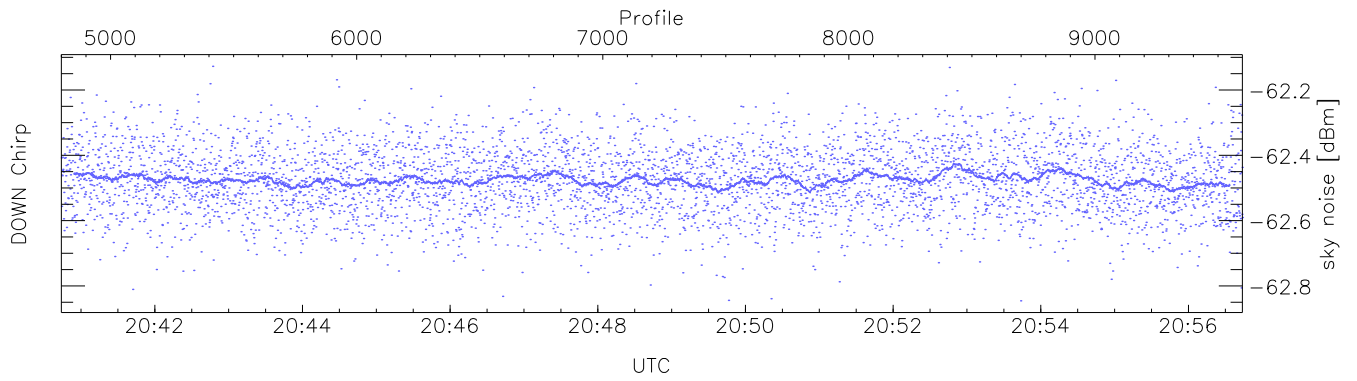
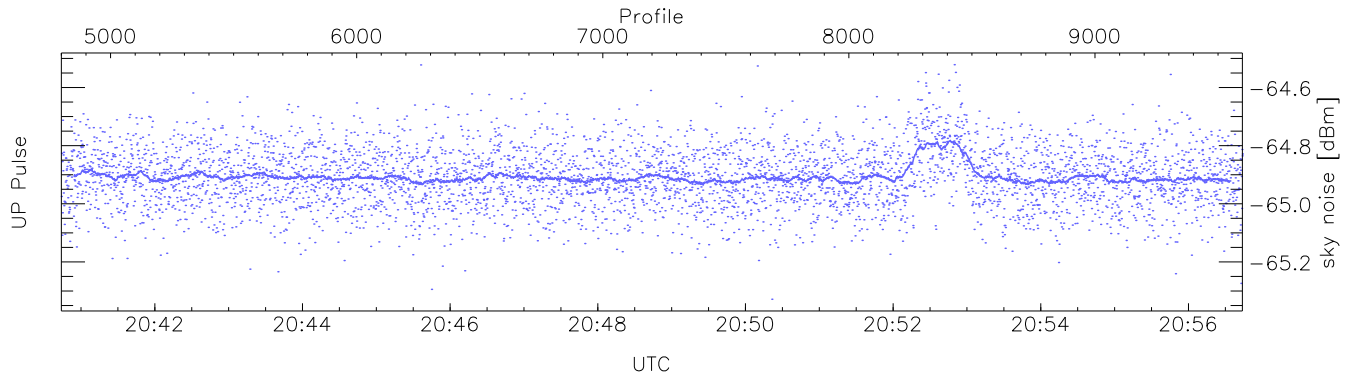
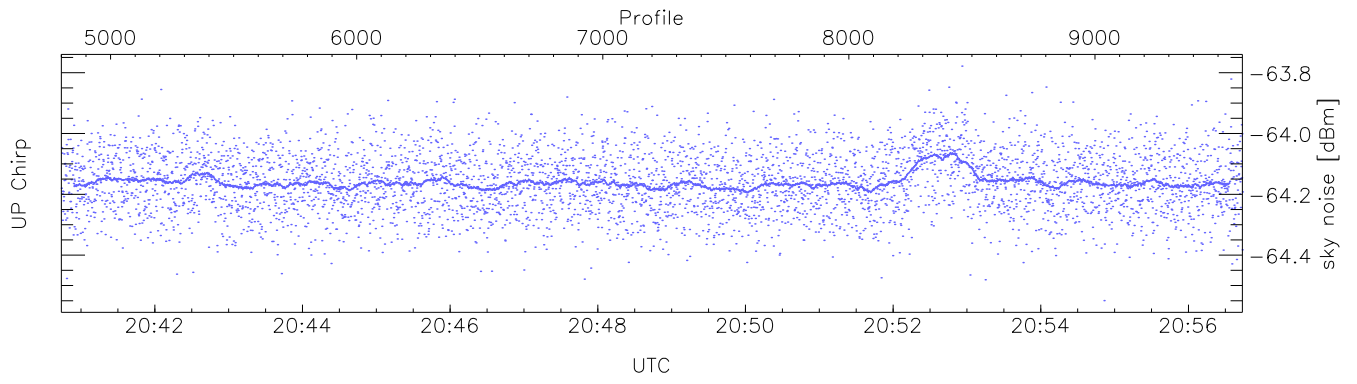


KPR SPP Receiver Gain and Noise Figure



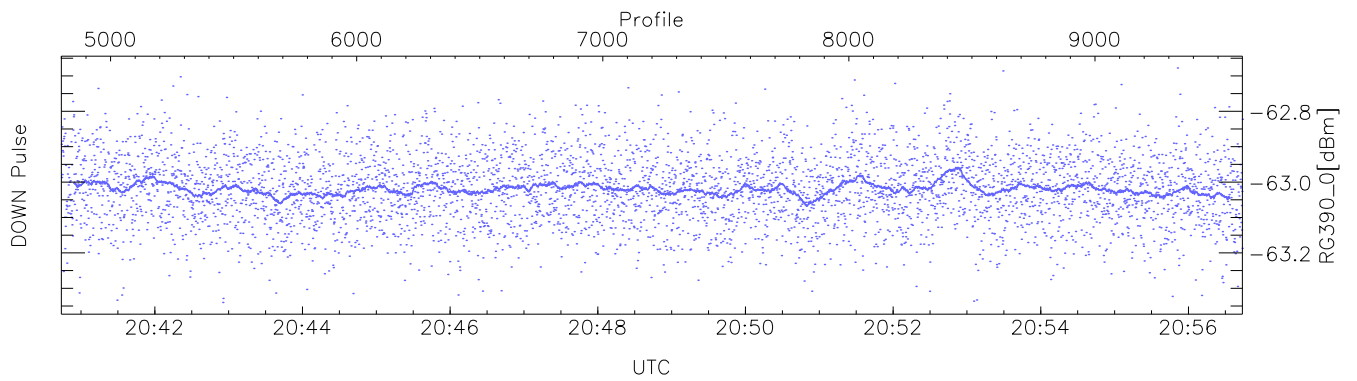
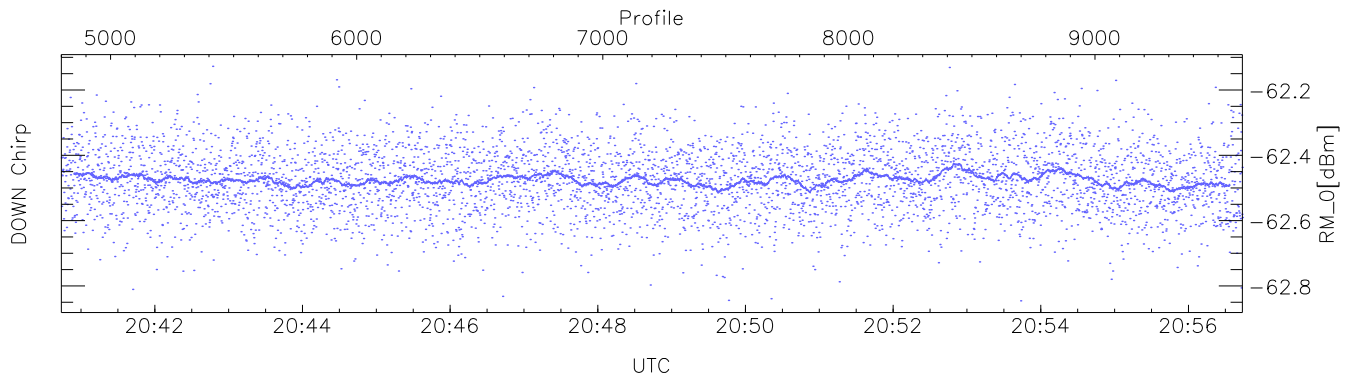
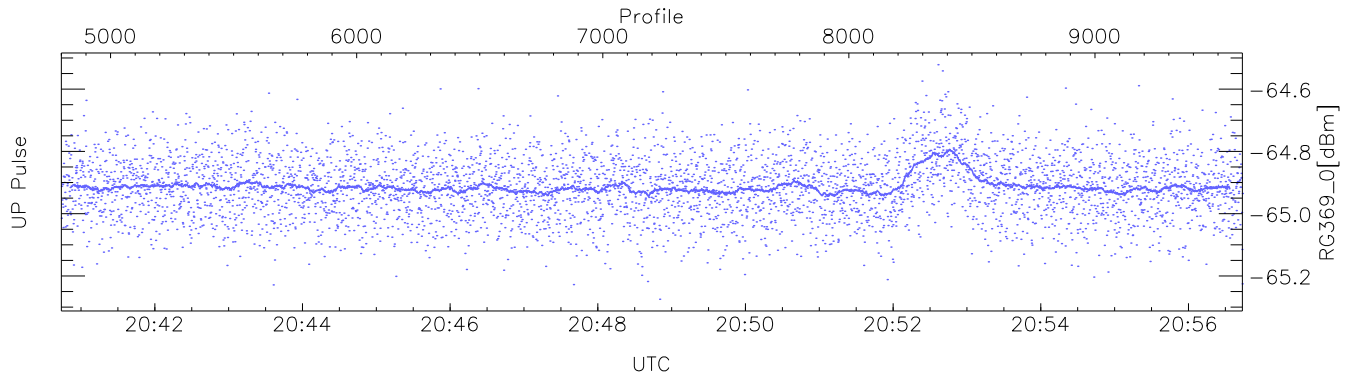
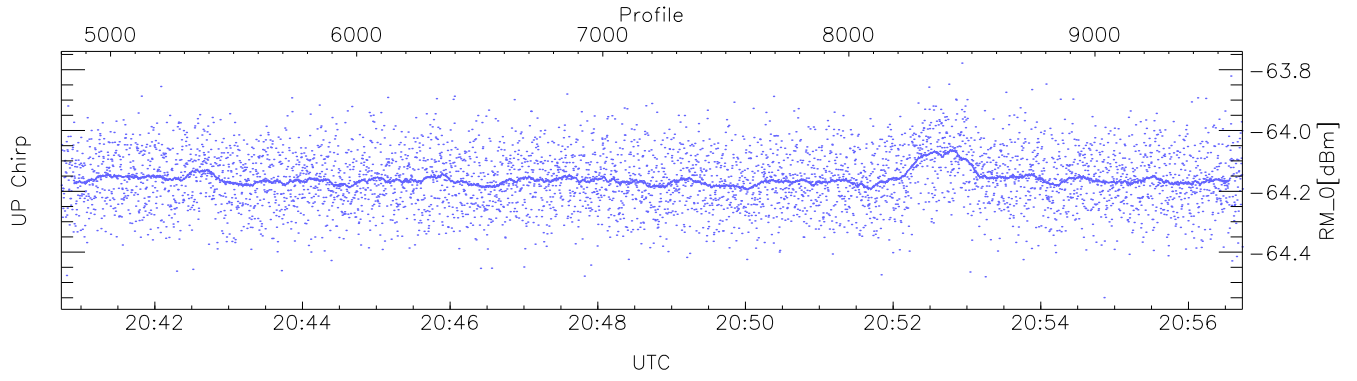
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.73	-62.02	-62.40	-62.40	-78.95
Chirp(HL [dBm])	-58.21	-57.75	-57.98	-57.98	-76.36
Pulse(WL [dBm])	-63.24	-62.50	-62.87	-62.87	-79.39
Pulse(HL [dBm])	-59.91	-59.45	-59.67	-59.67	-78.12



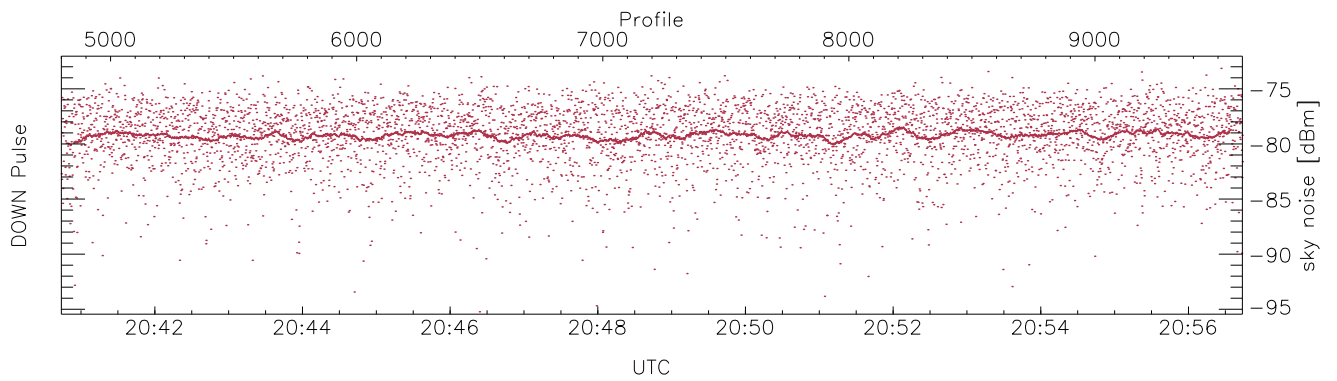
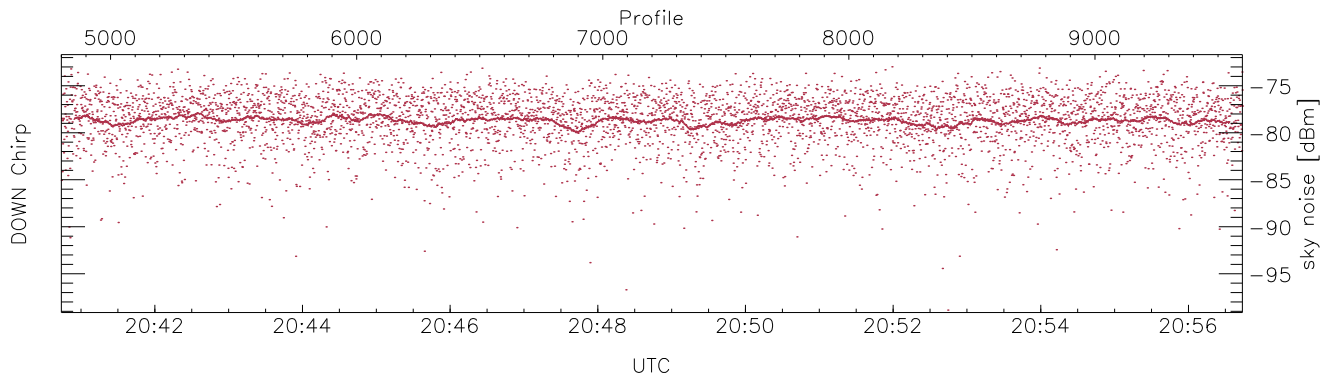
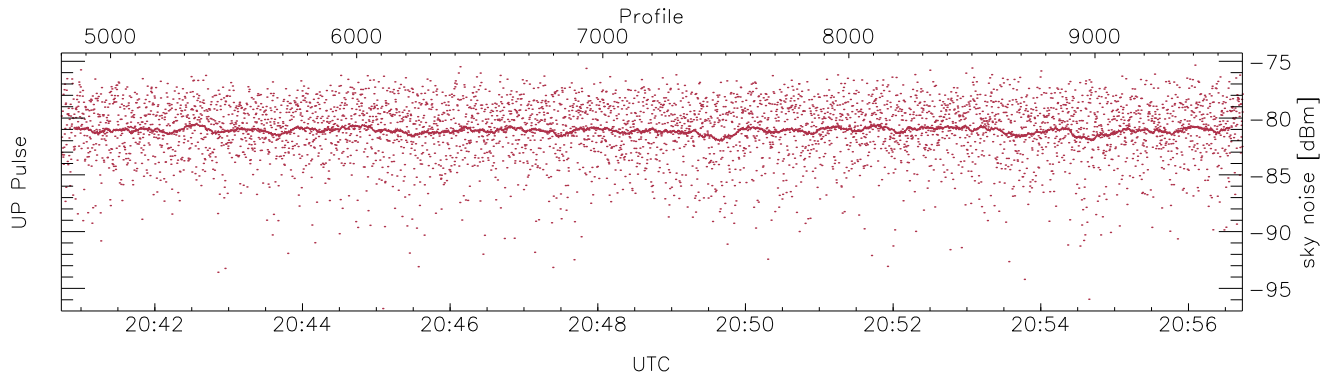
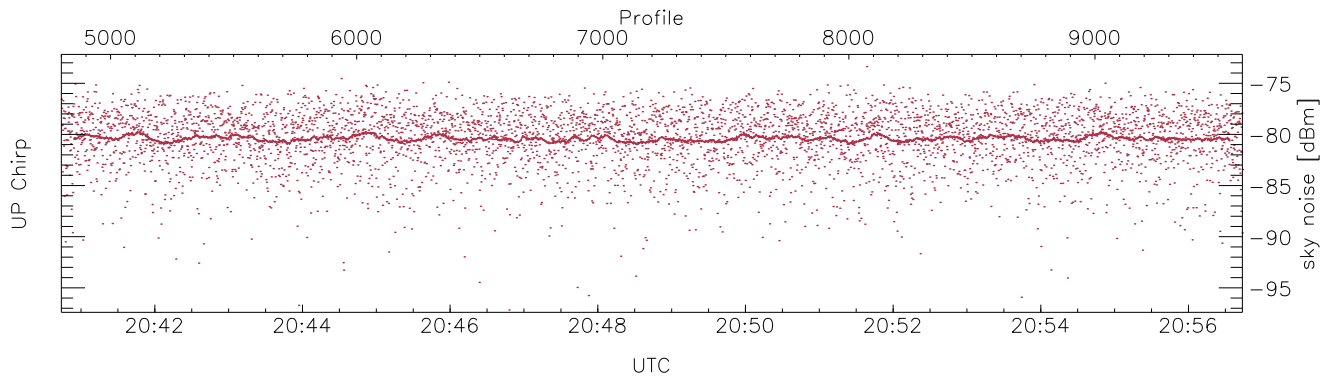
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.55	-63.78	-64.16	-64.16	-80.56
UP Pulse(dBm)	-65.33	-64.52	-64.91	-64.91	-81.25
DOWN Chirp(dBm)	-62.85	-62.13	-62.48	-62.48	-78.89
DOWN Pulse(dBm)	-63.35	-62.66	-63.02	-63.01	-79.44



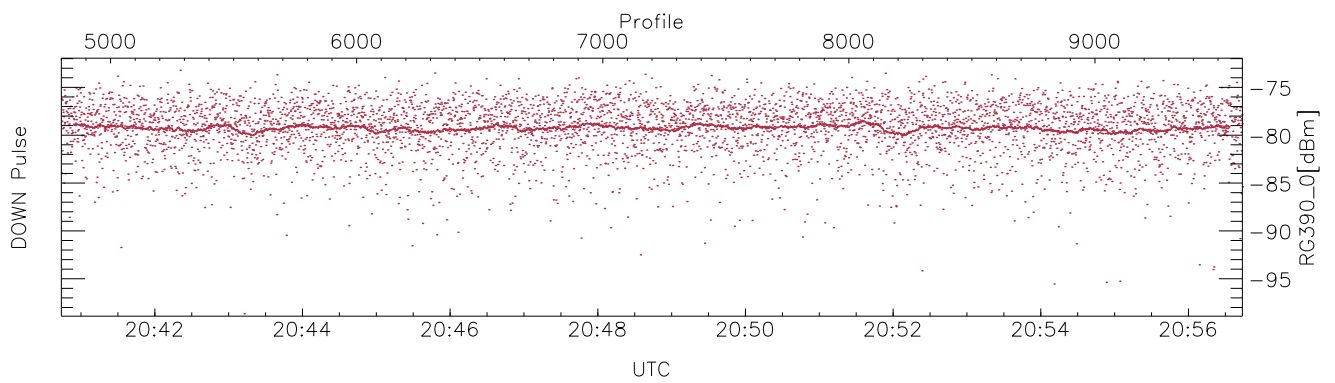
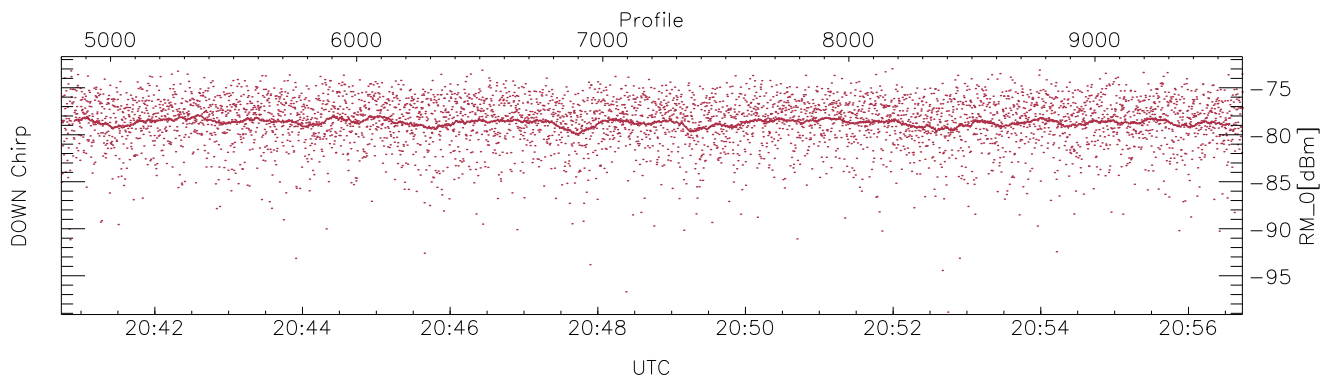
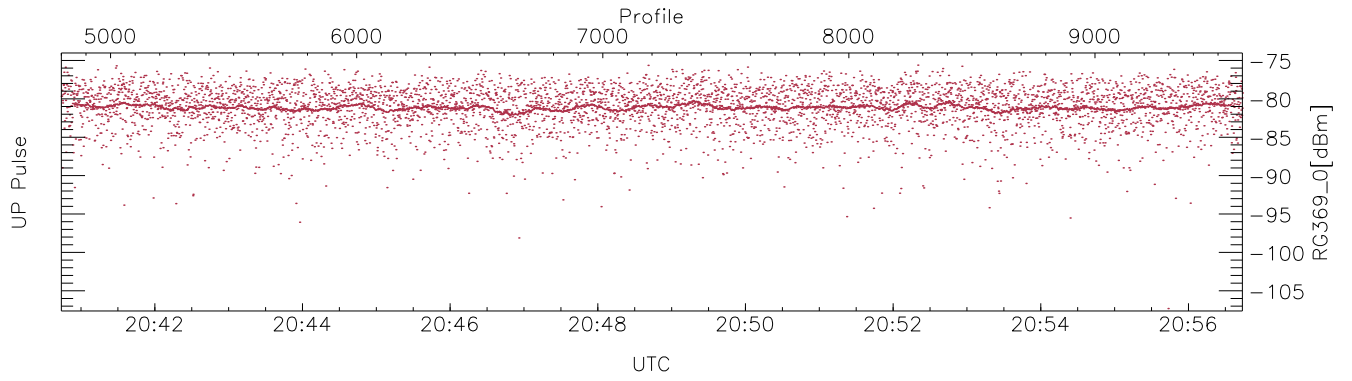
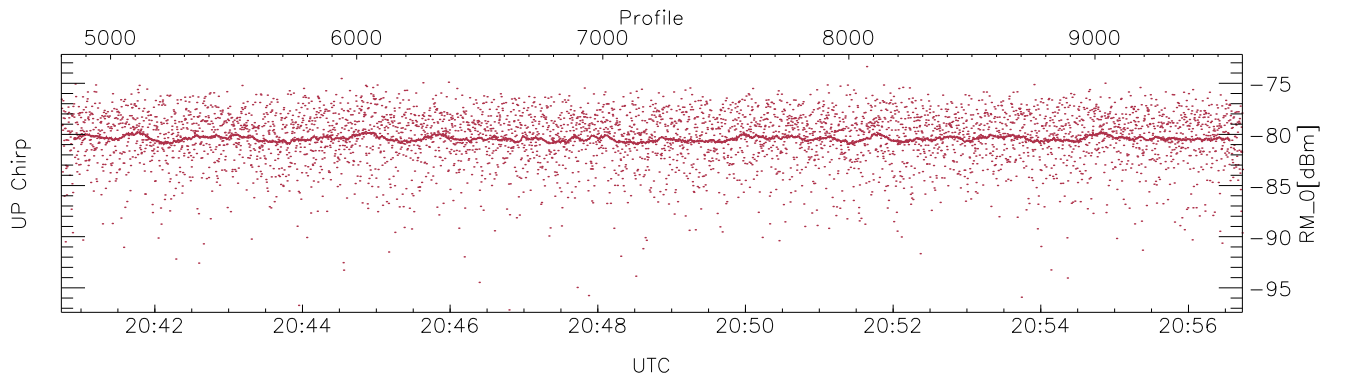
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-64.55	-63.78	-64.16	-64.16	-80.56
UP_P_RG369_0	-65.27	-64.52	-64.91	-64.91	-81.35
DOWN_C_RM_0	-62.85	-62.13	-62.48	-62.48	-78.89
DOWN_P_RG390_0	-63.34	-62.68	-63.02	-63.02	-79.51



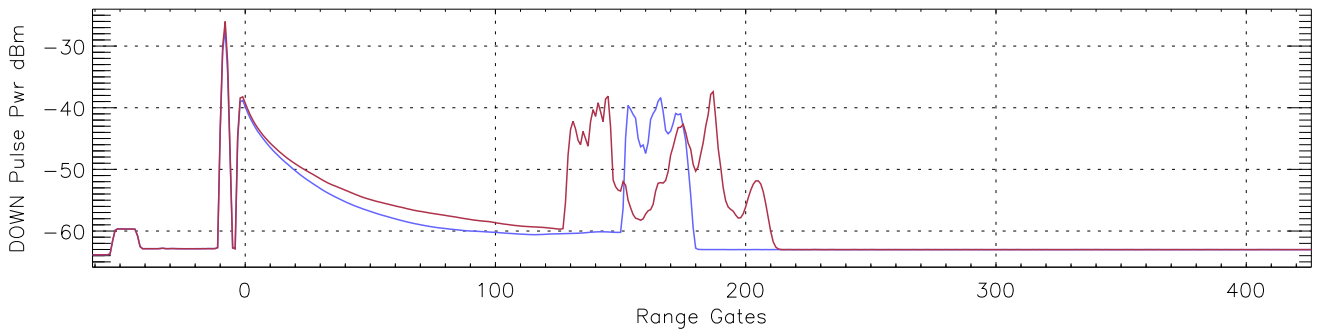
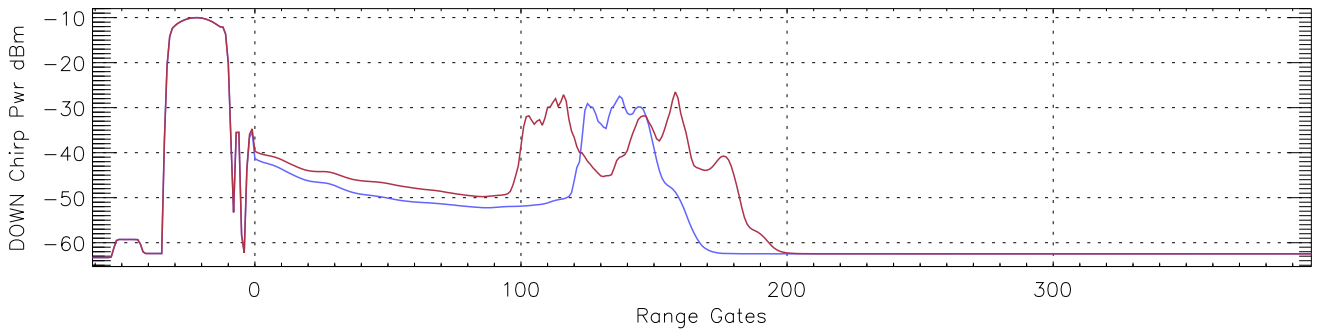
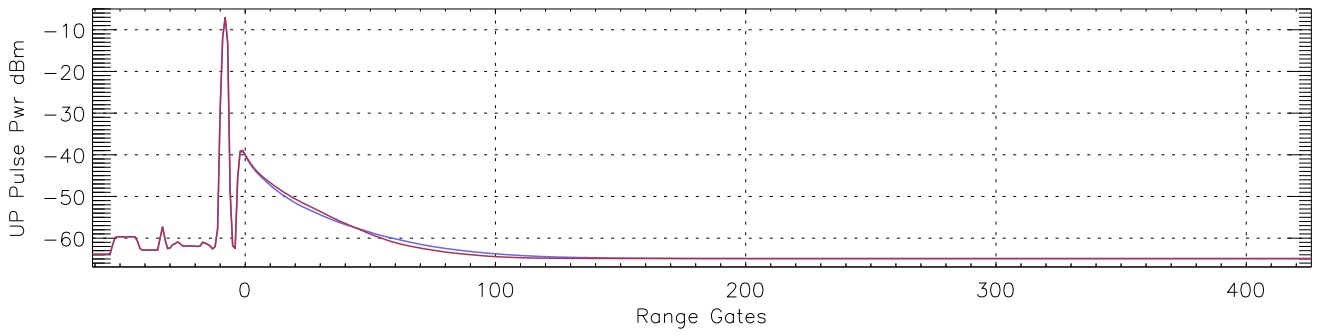
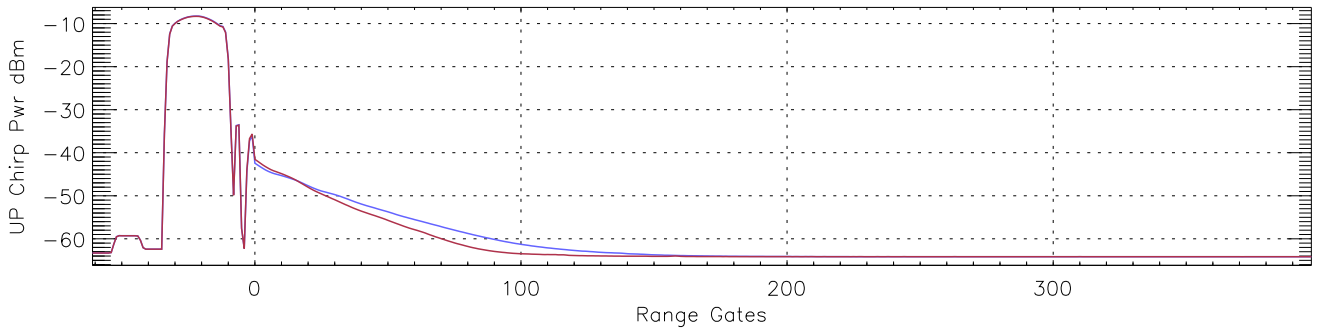
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-97.16	-73.37	-79.68	-79.94	-82.46
UP Pulse(dBm)	-96.77	-75.34	-80.38	-80.68	-83.18
DOWN Chirp(dBm)	-98.87	-72.98	-77.98	-78.22	-80.77
DOWN Pulse(dBm)	-95.23	-73.15	-78.52	-78.81	-81.38

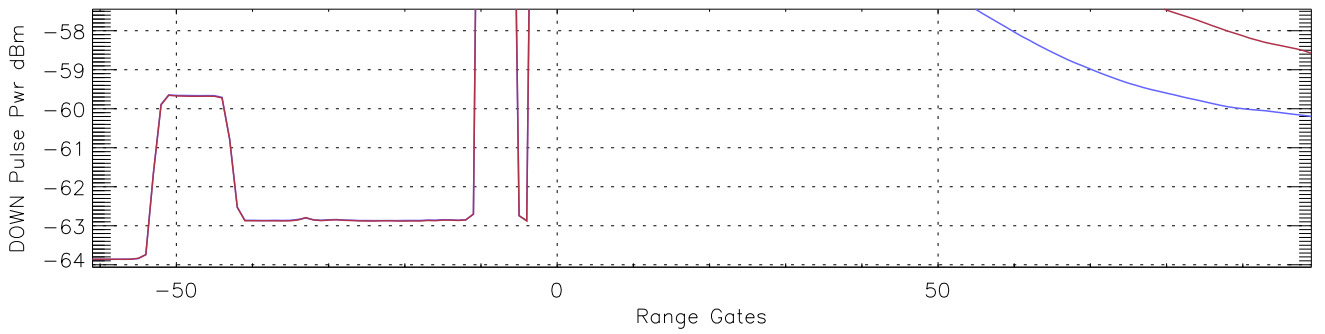
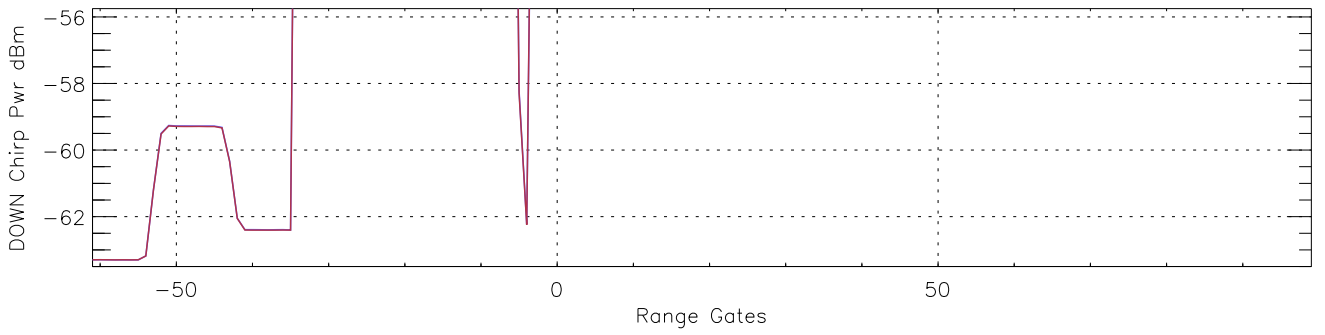
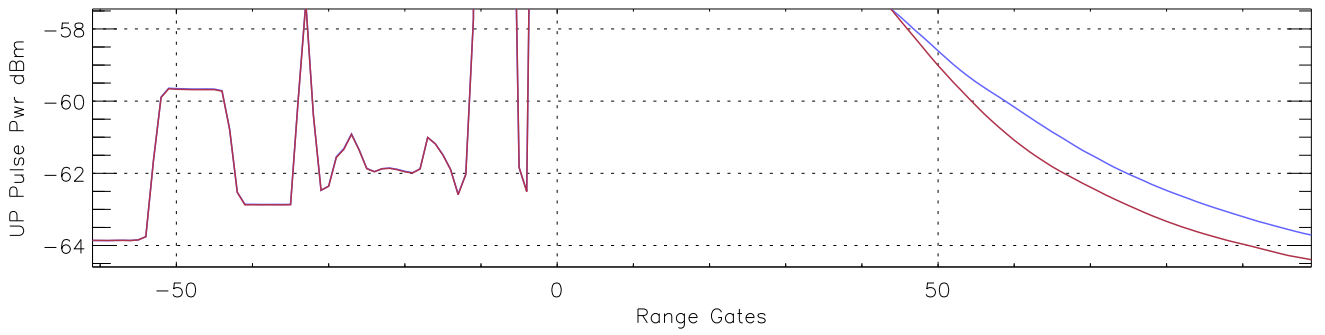
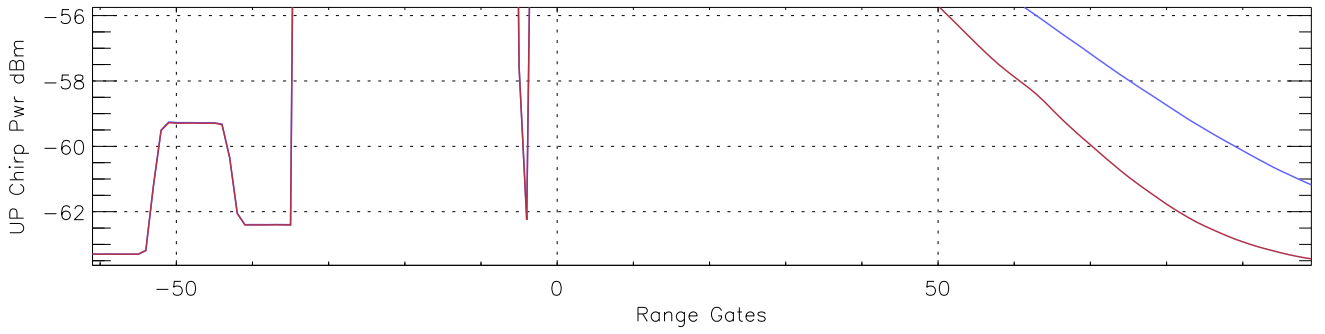


KPR SPP "Best" PPMAG noise (dBm):

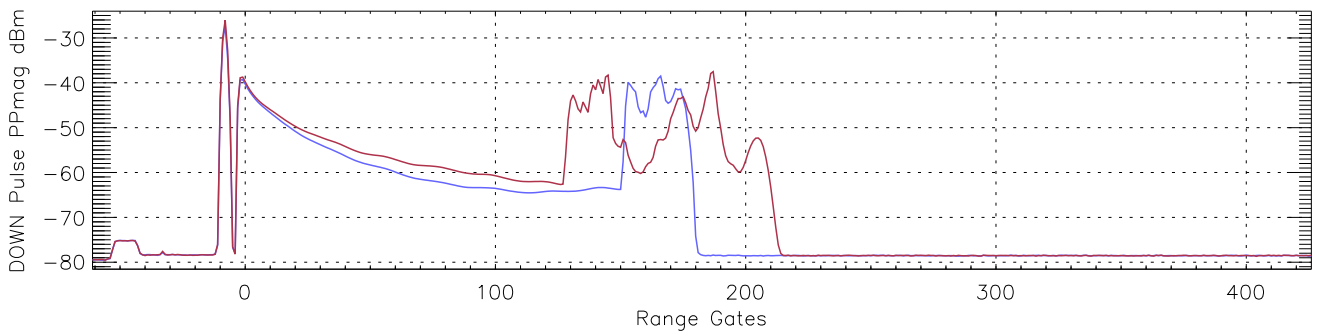
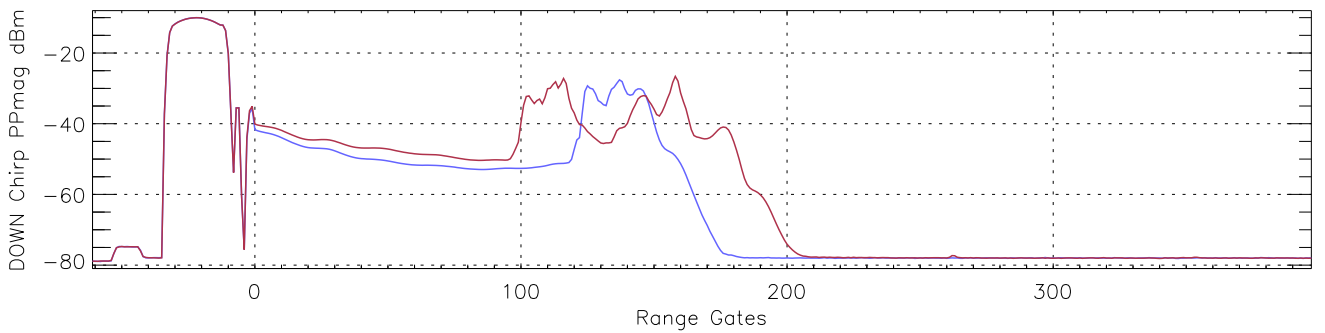
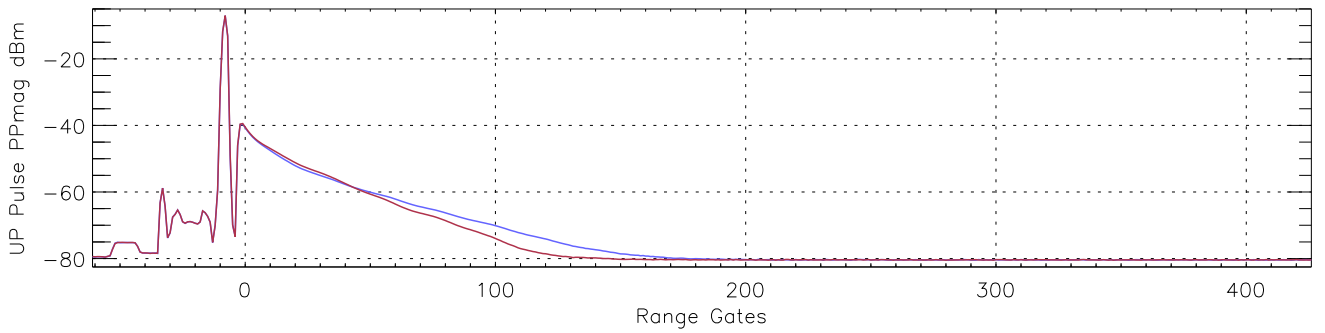
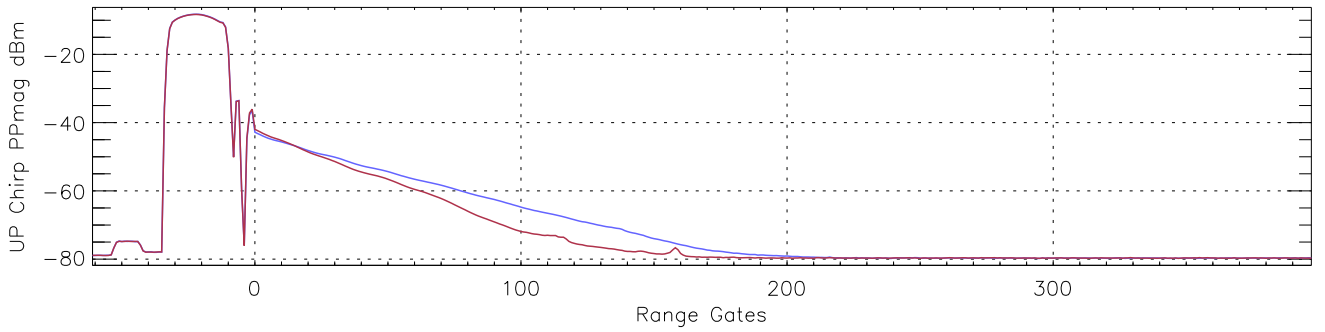
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-97.16	-73.37	-79.68	-79.94	-82.46
UP_P_RG369_0	-107.31	-75.62	-80.42	-80.69	-83.27
DOWN_C_RM_0	-98.87	-72.98	-77.98	-78.22	-80.77
DOWN_P_RG390_0	-98.65	-73.23	-78.56	-78.80	-81.41



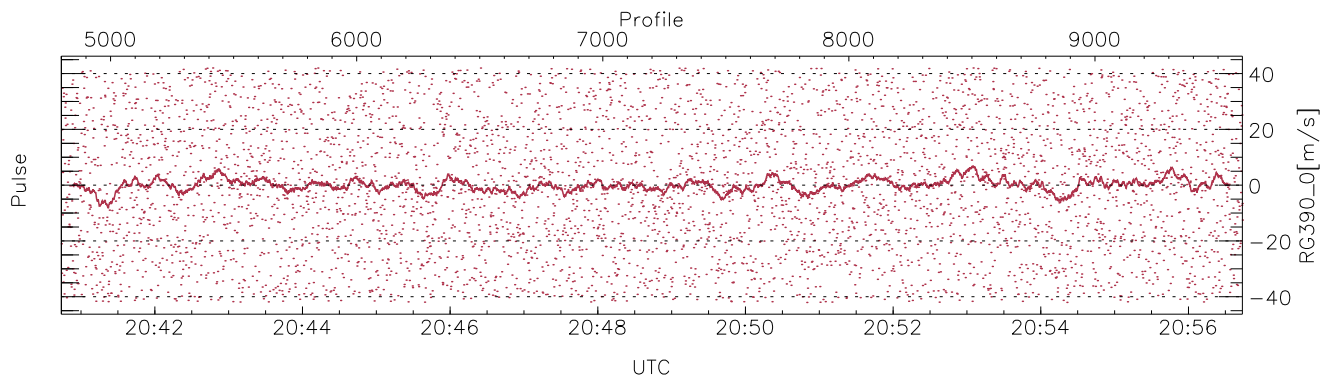
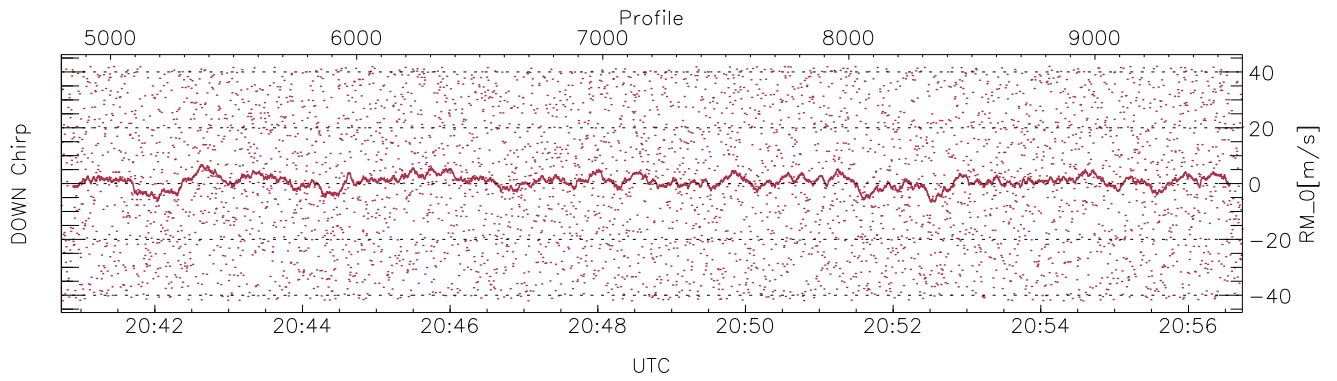
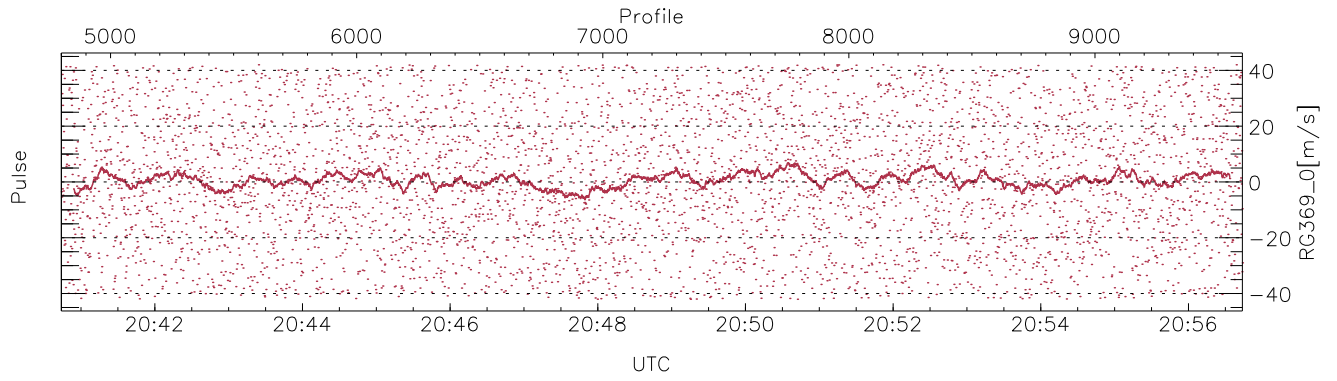
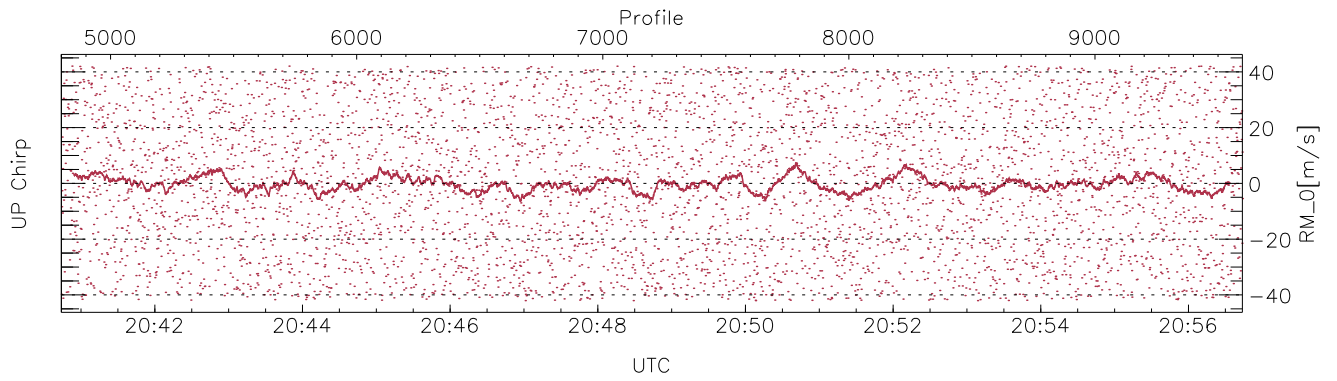
KPR SPP Averaged Received power for all recorded gates
blue: 204044-204843, 2401 profiles averaged
red: 204843-205644, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 204044-204843, 2401 profiles averaged
red: 204843-205644, 2400 profiles averaged

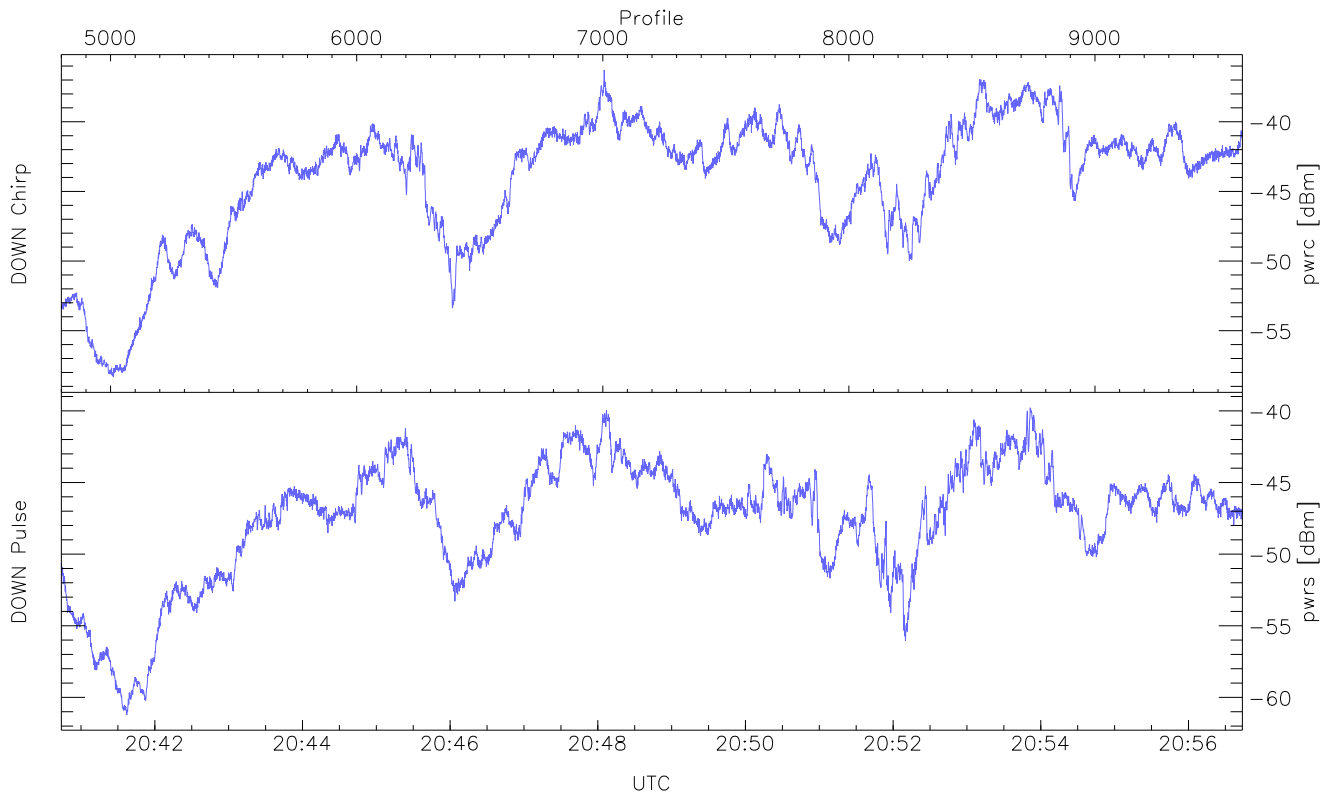
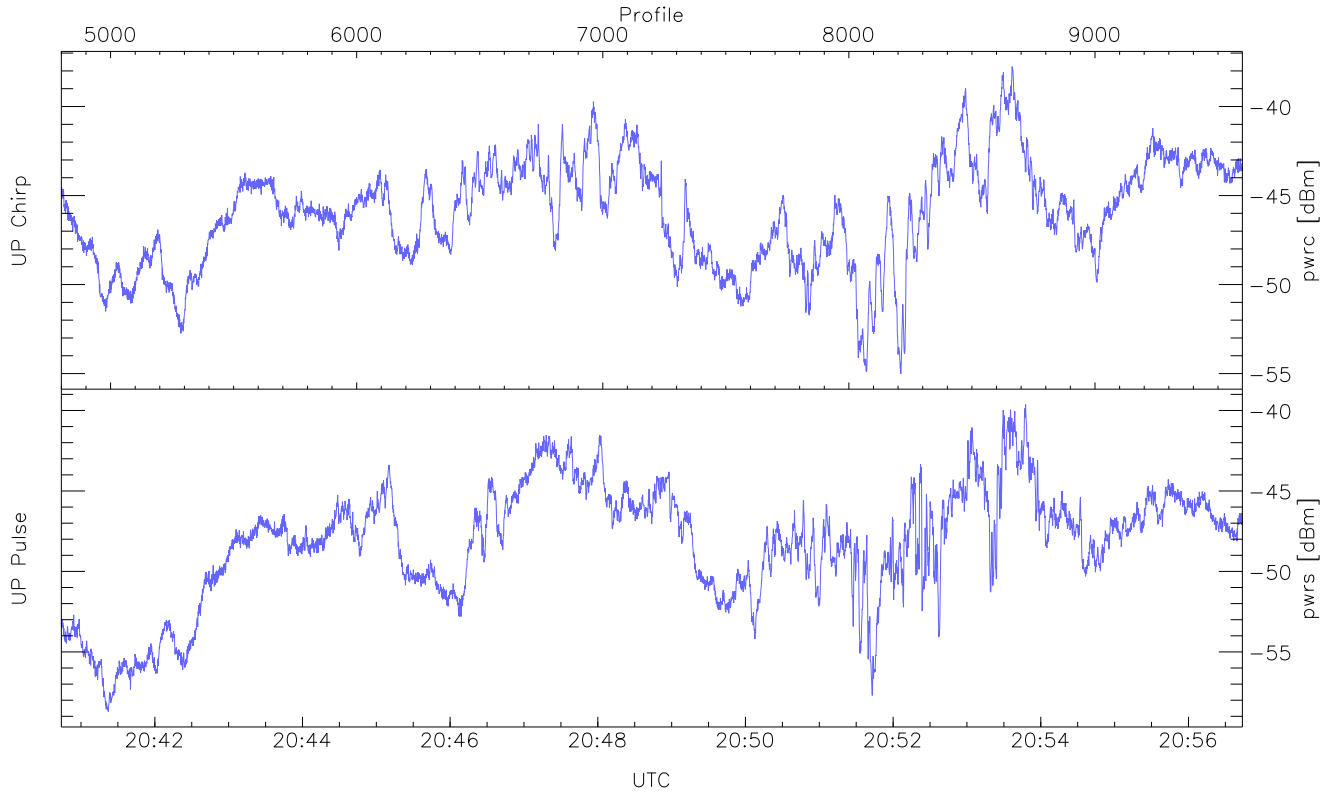


KPR SPP Averaged PP magnitude for all recorded gates
blue: 204044-204843, 2401 profiles averaged
red: 204843-205644, 2400 profiles averaged



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

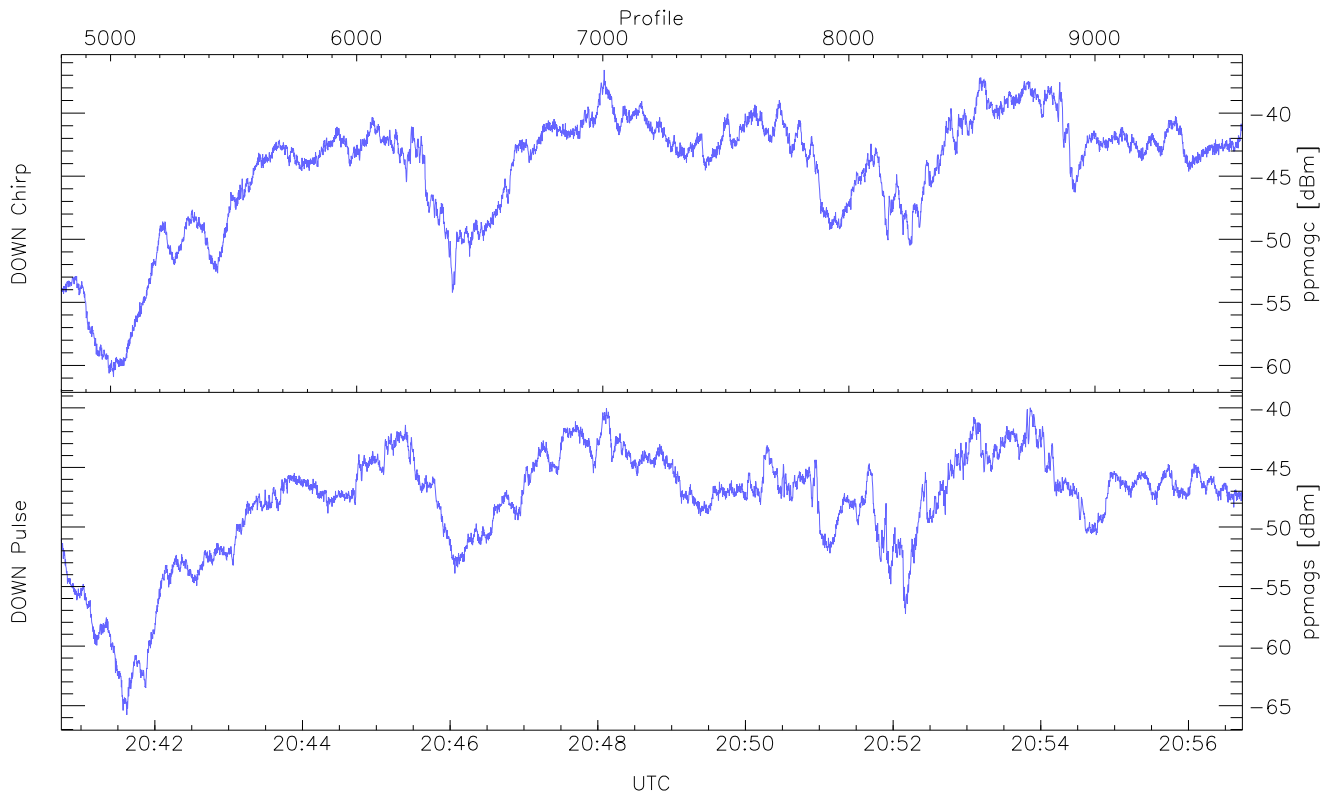
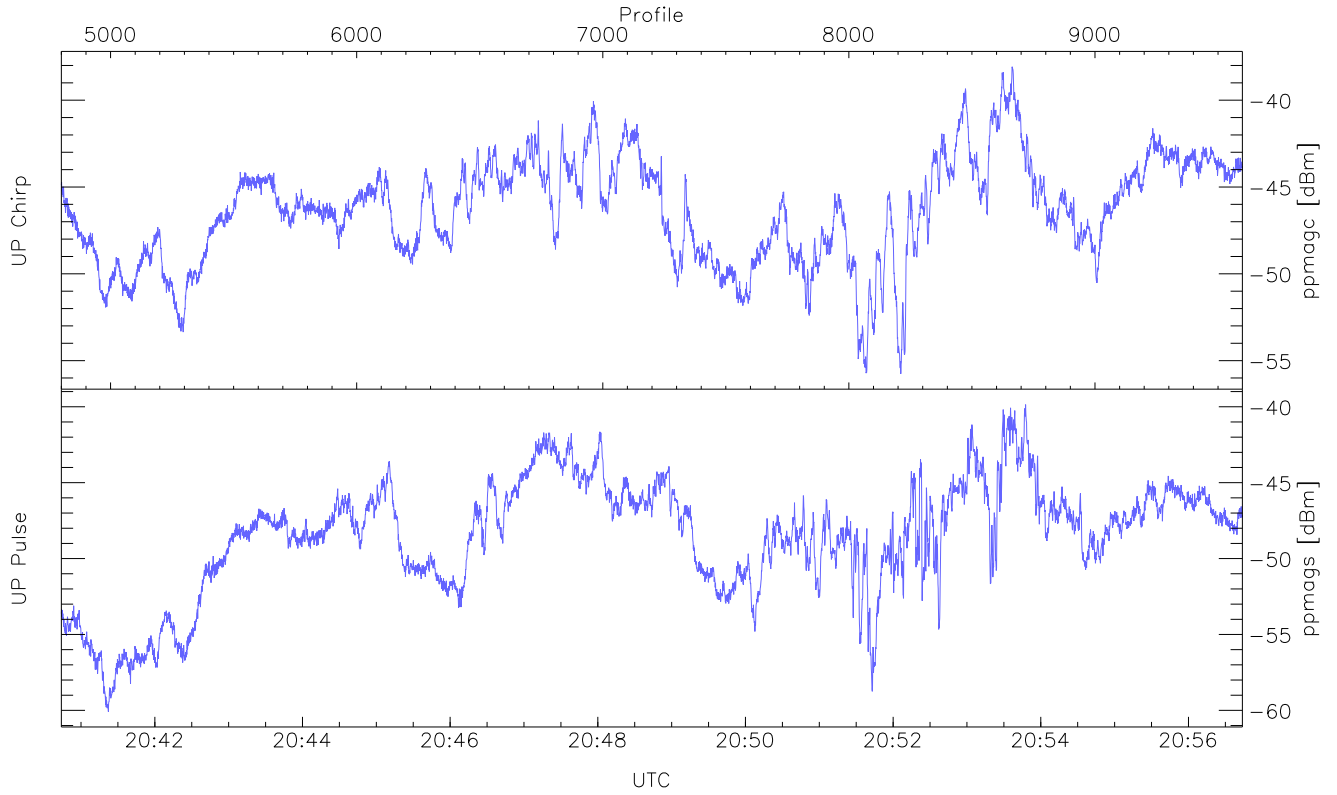
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-42.06	42.05	-0.23	-0.16	24.35
UP_P_RG369_0	-42.04	42.02	0.55	0.35	22.69
DOWN_C_RM_0	-42.02	42.02	0.59	0.47	24.34
DOWN_P_RG390_0	-42.04	42.02	-0.06	-0.38	23.59



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

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

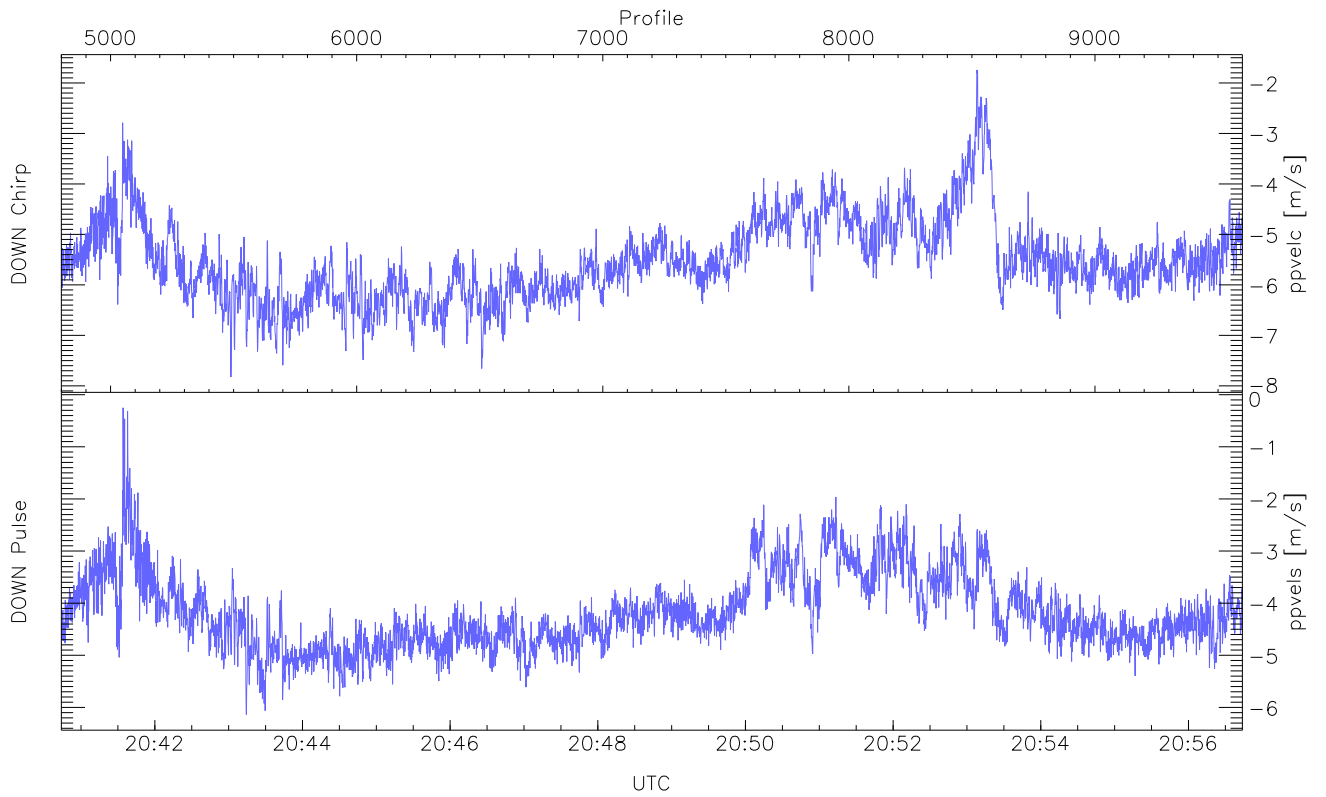
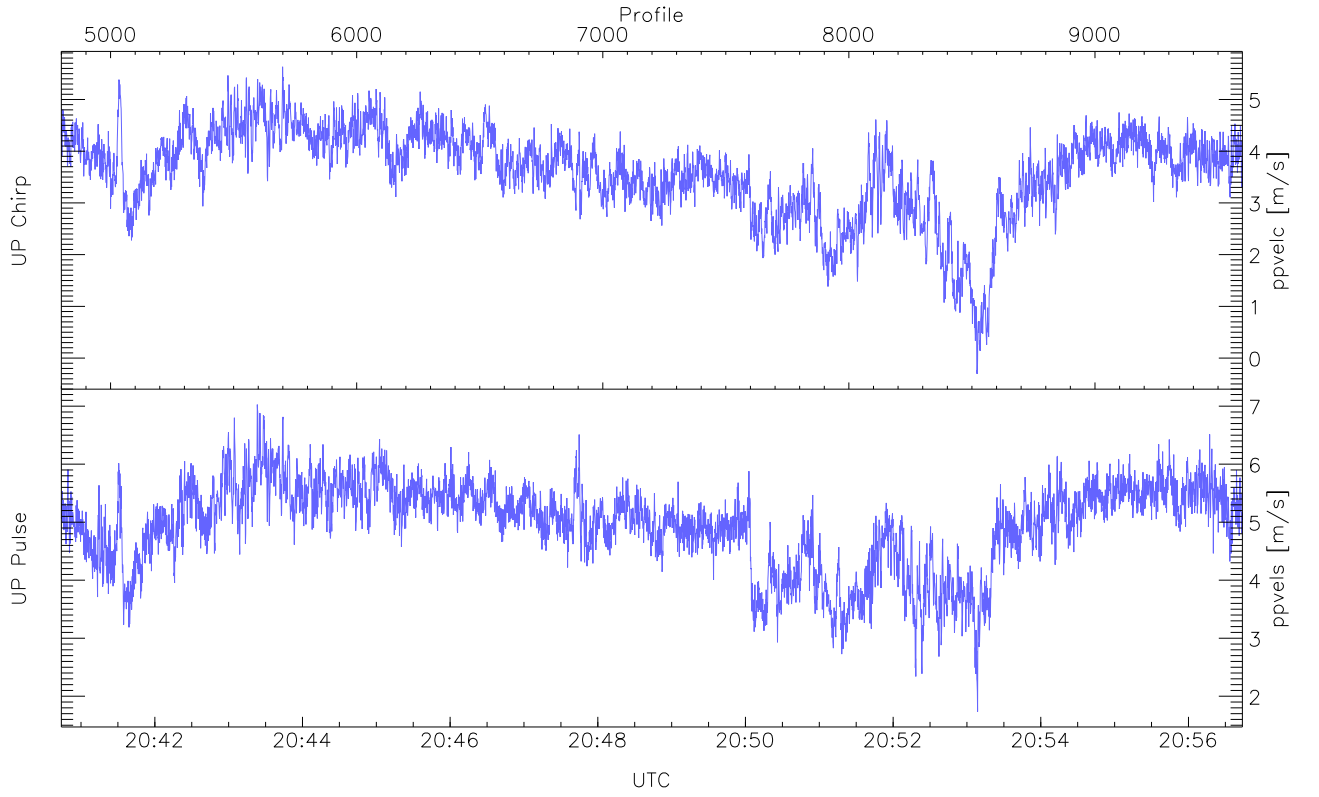
	Min	Max	Mean
UP Chirp(dBm)	-55.01	-37.77	-45.08
UP Pulse(dBm)	-58.71	-39.63	-46.99
DOWN Chirp(dBm)	-58.33	-36.28	-42.47
DOWN Pulse(dBm)	-61.22	-39.78	-46.08



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

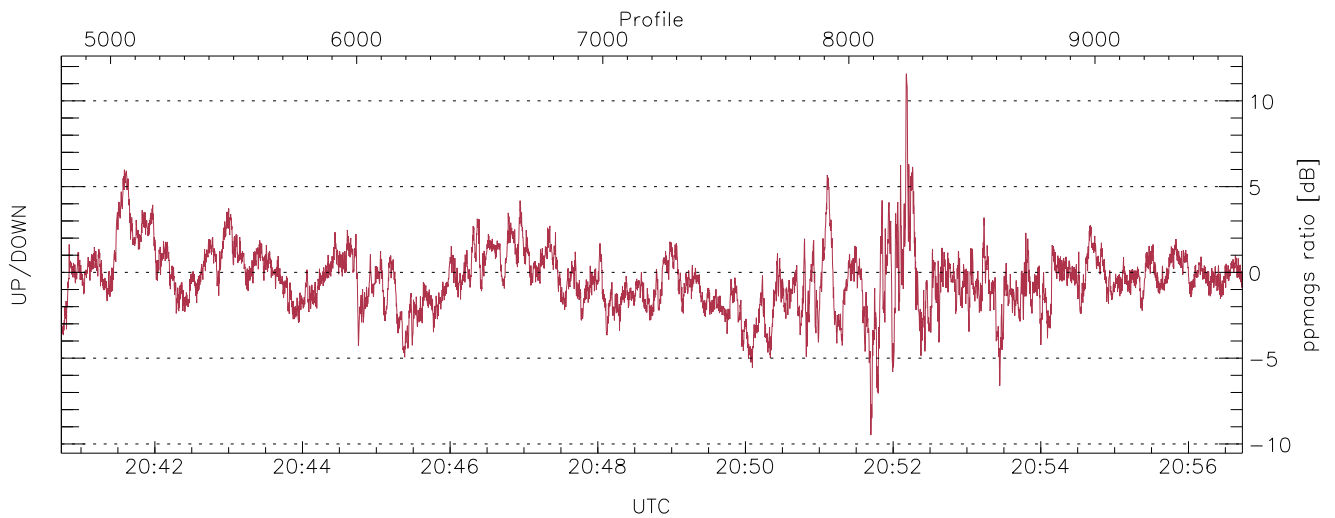
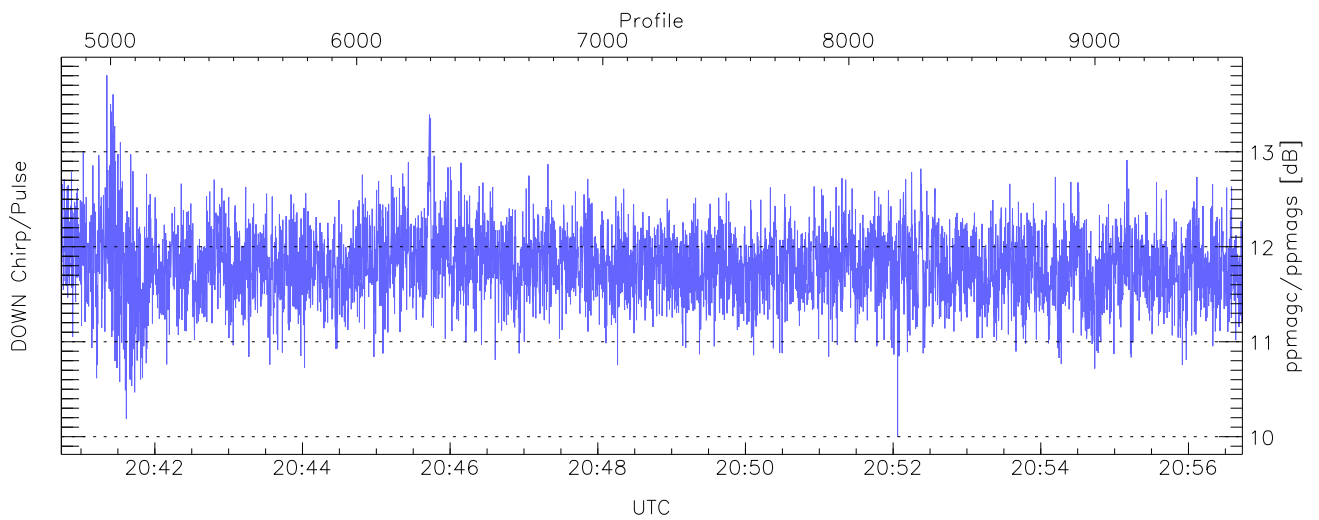
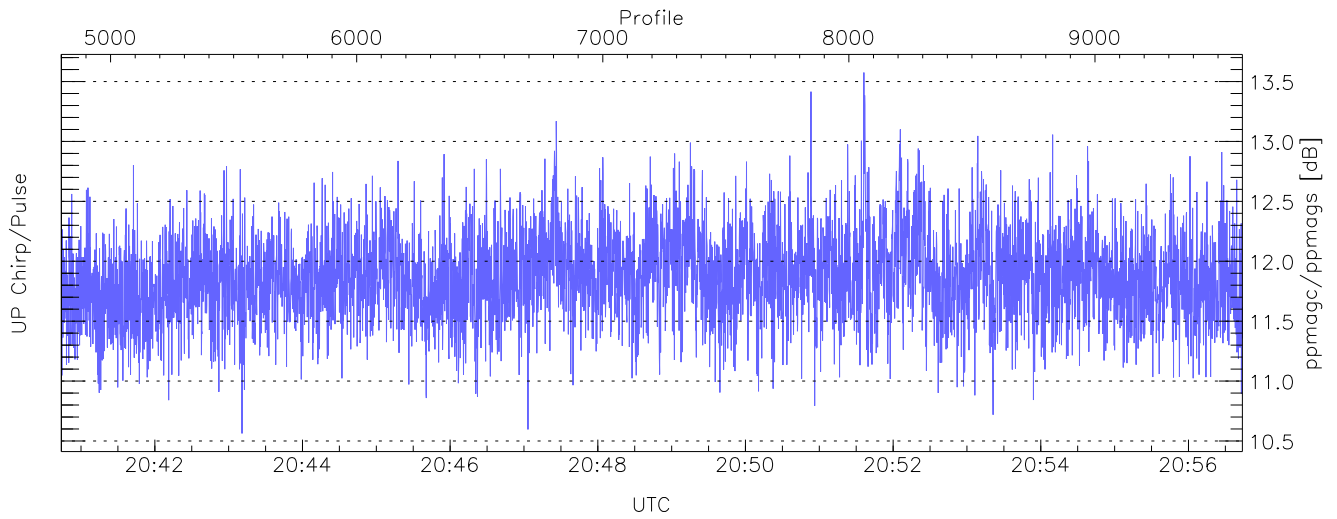
KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-55.76	-38.07	-45.43
UP Pulse(dBm)	-60.08	-39.85	-47.23
DOWN Chirp(dBm)	-60.92	-36.58	-42.80
DOWN Pulse(dBm)	-65.77	-39.99	-46.32



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)	-0.30	5.63	3.61
UP Pulse(m/s)	1.74	7.03	4.96
DOWN Chirp(m/s)	-7.83	-1.74	-5.51
DOWN Pulse(m/s)	-6.14	-0.25	-4.18



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	10.56	13.58	11.88
DOWN Chirp/Pulse(dBm)	10.00	13.81	11.81
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-9.49	11.56	0.03