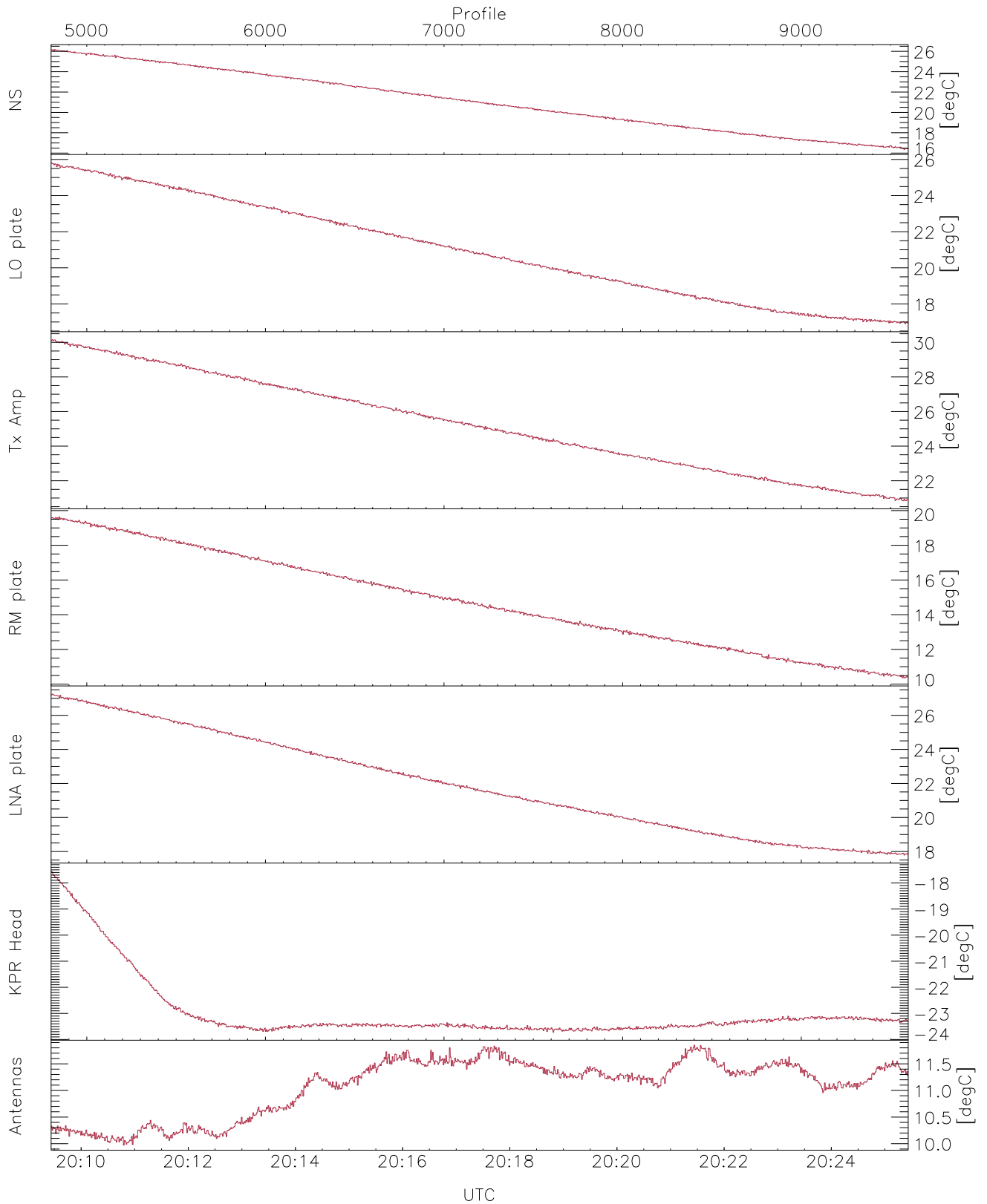


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 19:53:26-20:33:30, TimeCor: 0.00s, Dur: 959.80s
 TimeInt(min,max,mn,std): 194.6,205.4,200.0,0.3 ms; PPS: 5.0
 NumRec(r/t): 4800/12021, 4800-9599/20:09:26-20:25:26
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, 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

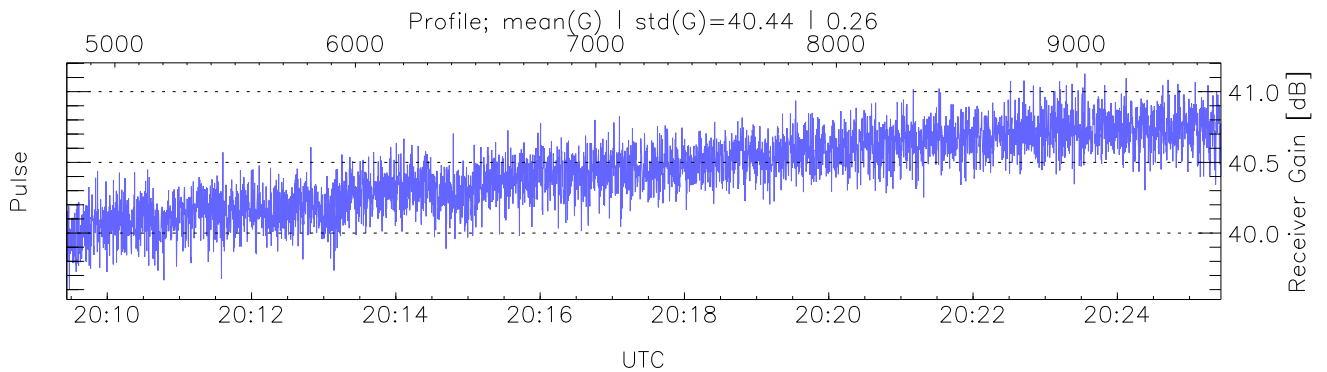
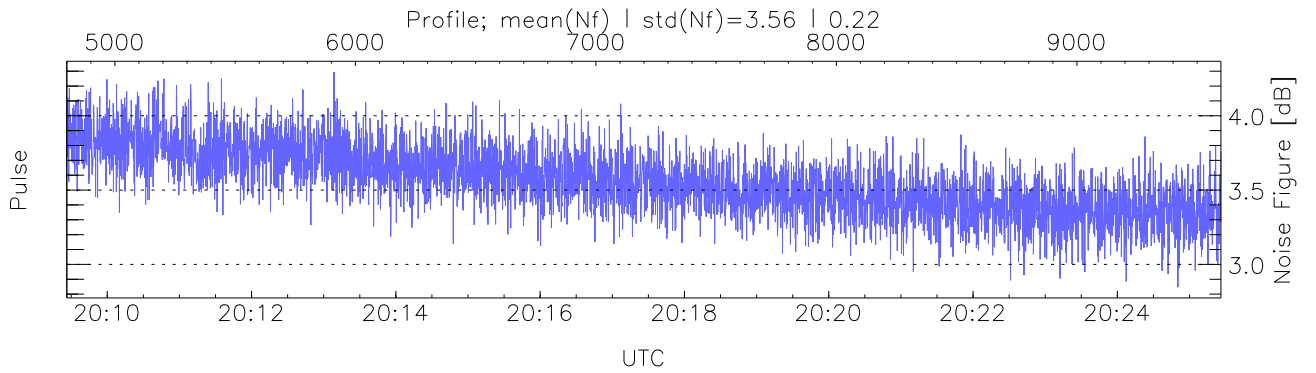
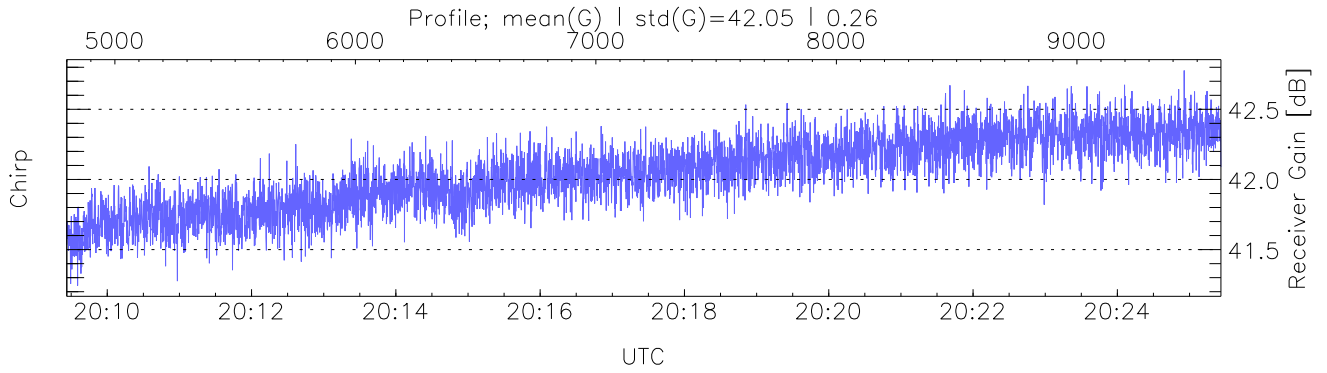
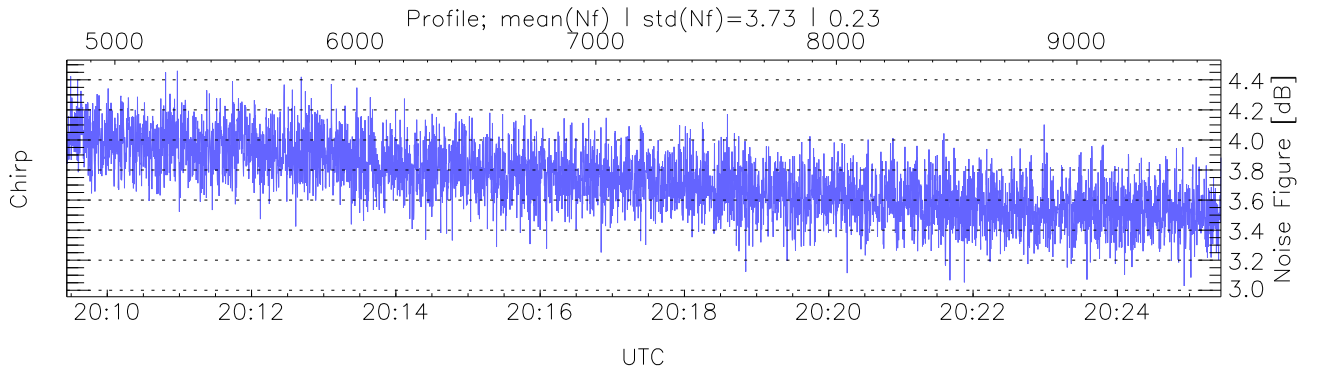


KPR SPP Temperatures, Power Supplies, PLO lock:

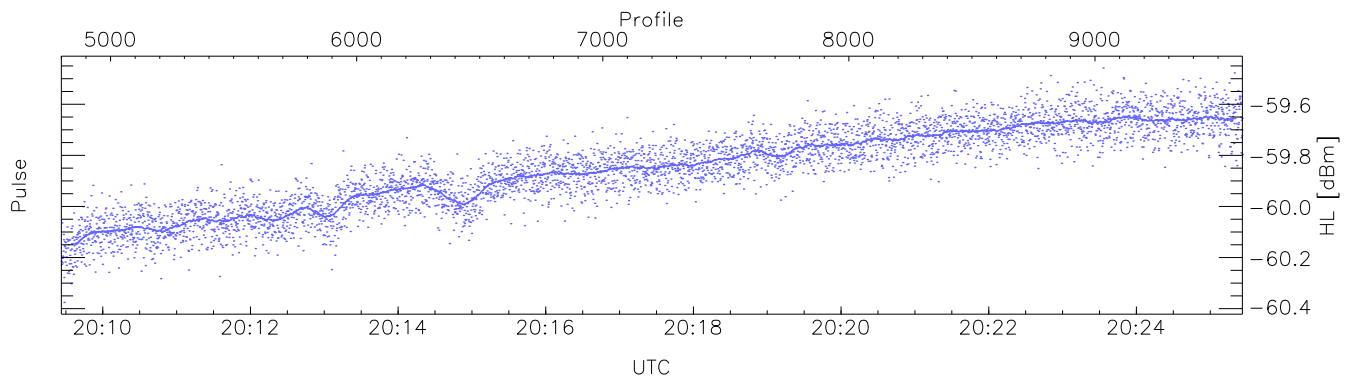
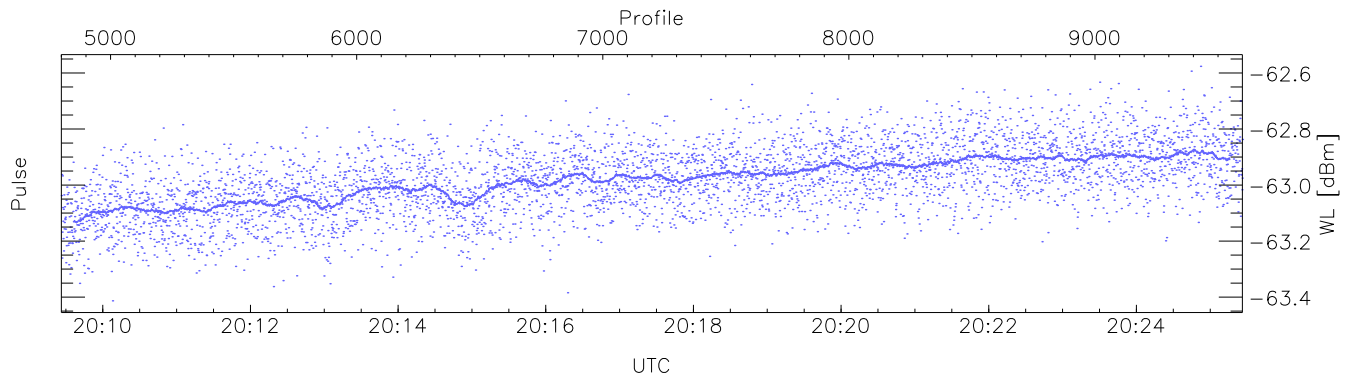
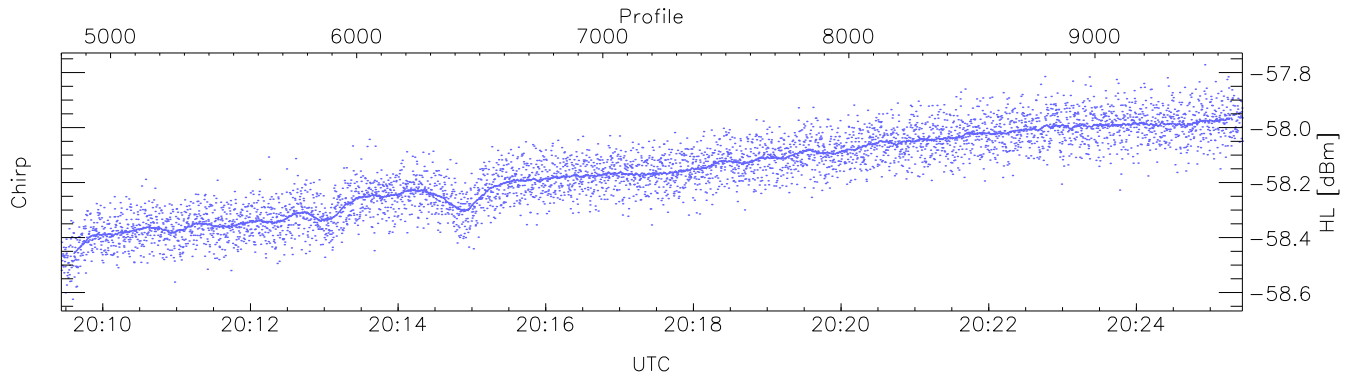
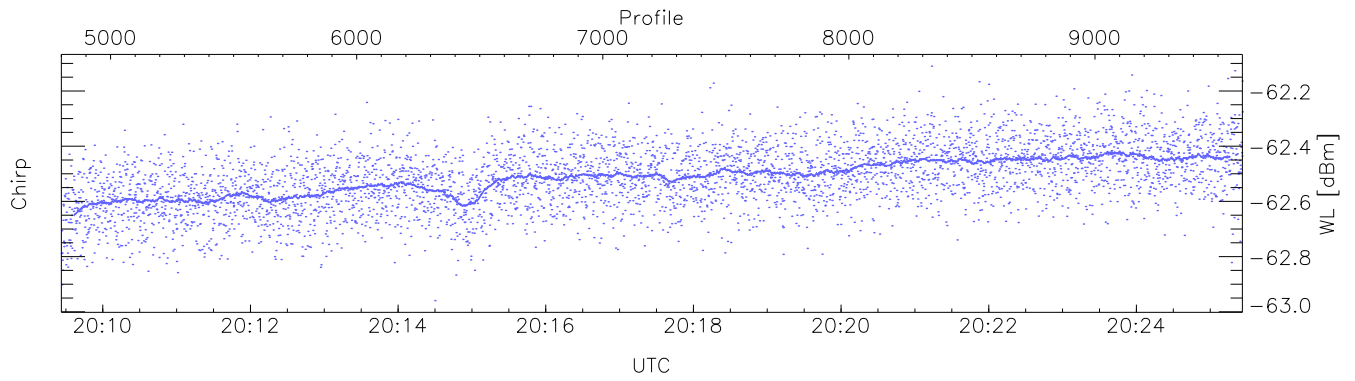
temperature: NS, LO, Tx, RM, LNA, Head, Ant
 mintempC: 16.4, 16.9, 20.8, 10.4, 17.8, -23.7, 10.0
 maxtempC: 26.2, 25.8, 30.2, 19.6, 27.3, -17.5, 11.8
 meantempC: 21.1, 20.9, 25.2, 14.7, 21.9, -23.0, 11.1

PwrSply: 28, 12, 8, 5 VDC
 minVDC: 25.59, 11.69, 7.87, 5.21
 maxVDC: 27.87, 11.74, 7.90, 5.23
 meanVDC: 26.99, 11.71, 7.88, 5.22

PLO(3.84,15.84 GHz) unlocked: None

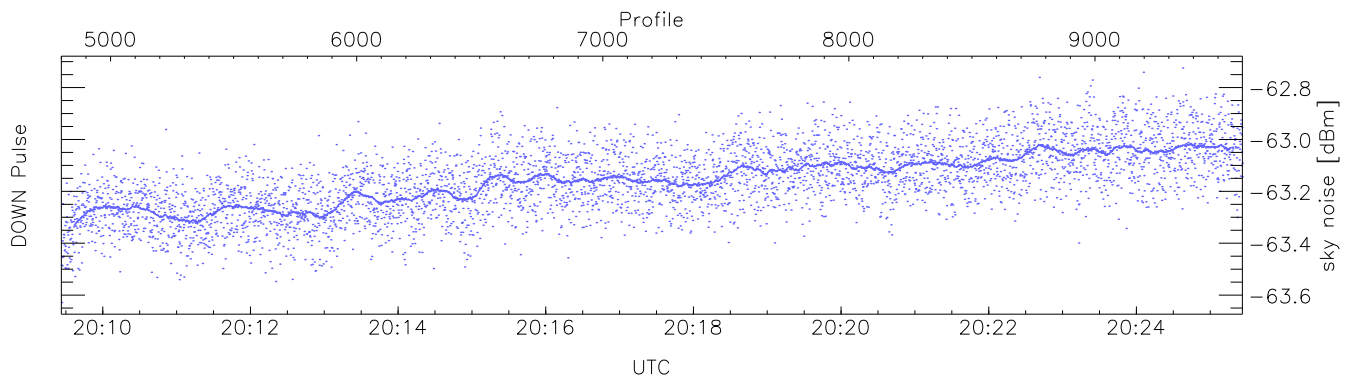
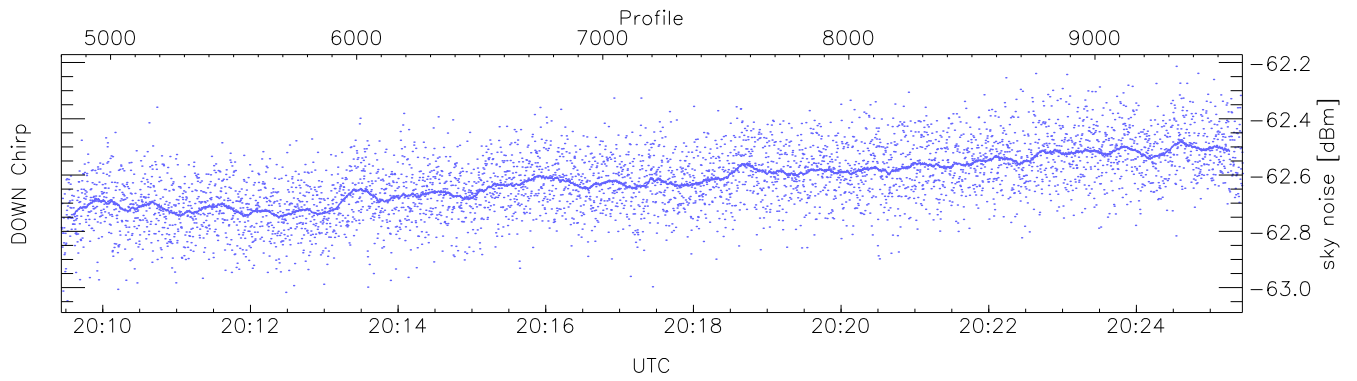
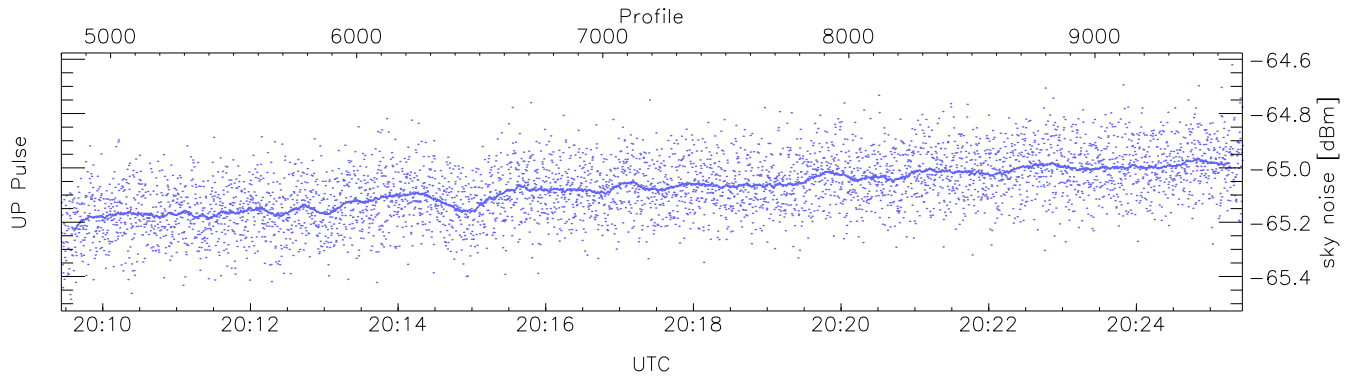
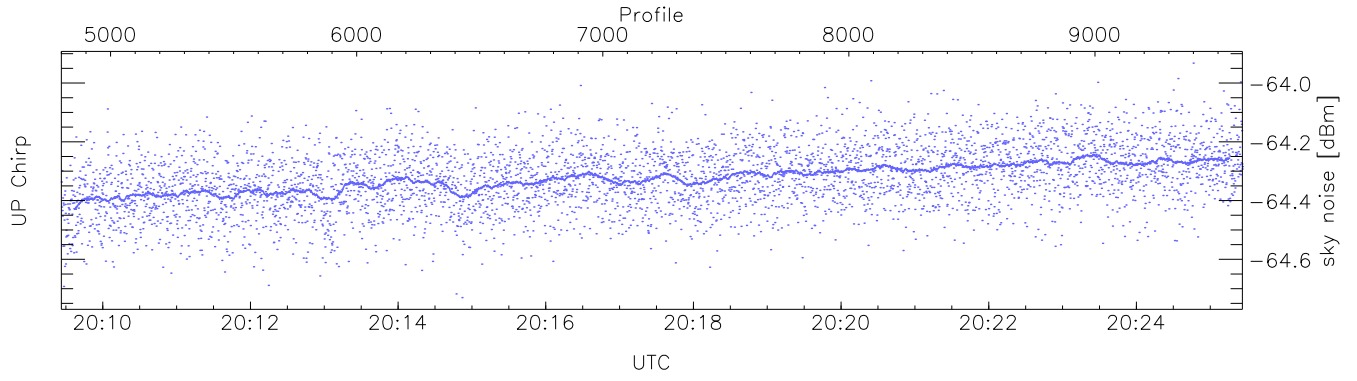


KPR SPP Receiver Gain and Noise Figure



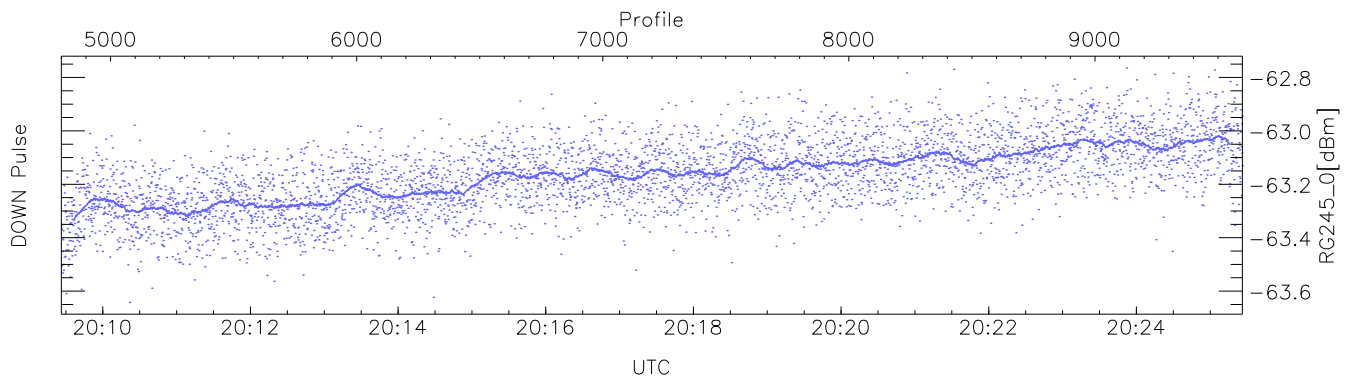
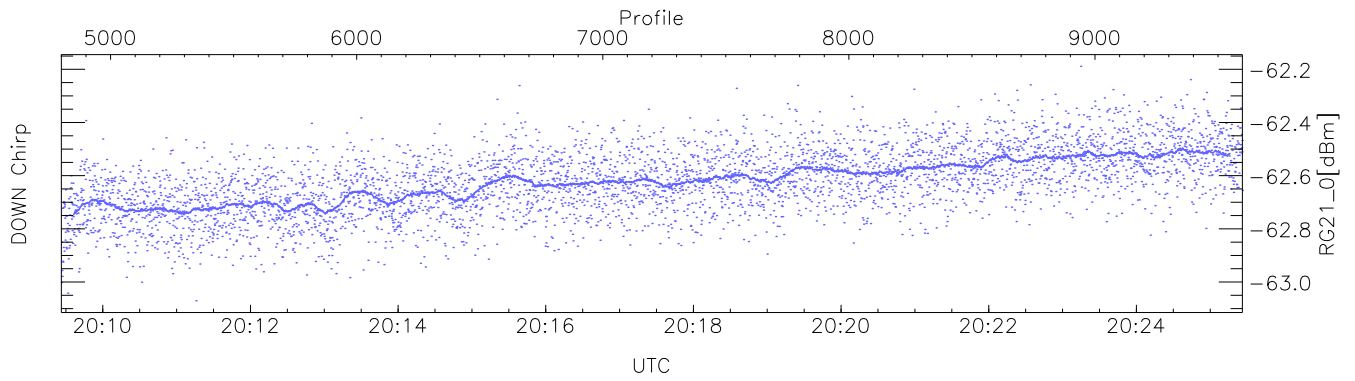
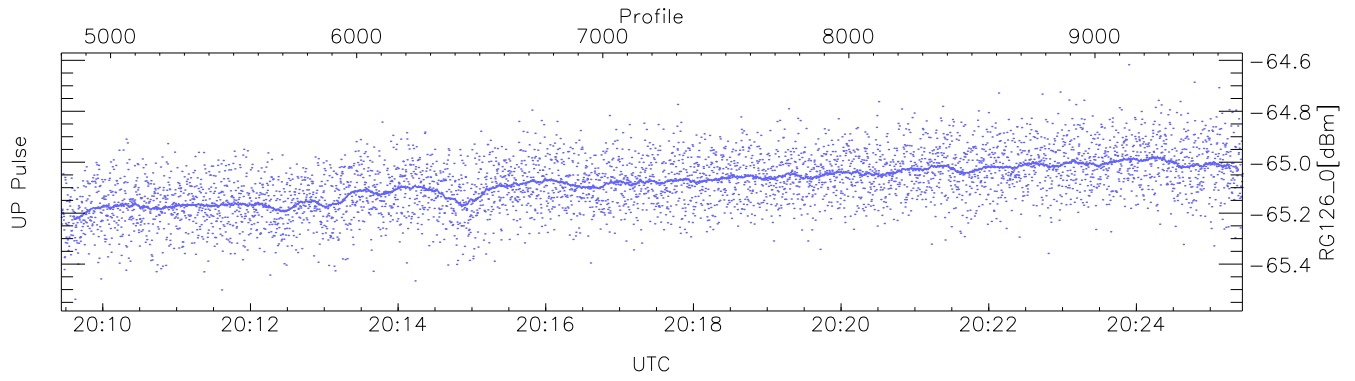
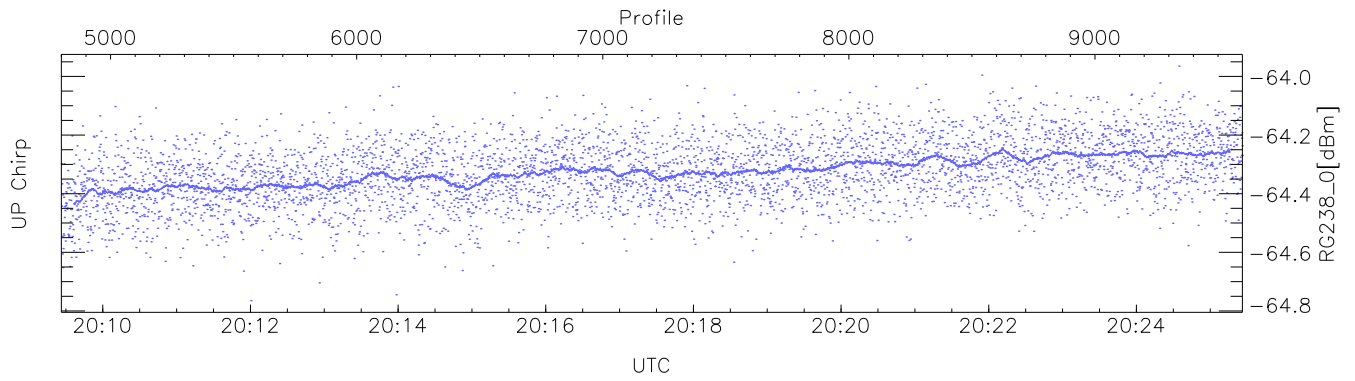
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.96	-62.11	-62.51	-62.51	-78.33
Chirp(HL [dBm])	-58.62	-57.77	-58.16	-58.16	-72.74
Pulse(WL [dBm])	-63.41	-62.58	-62.98	-62.98	-78.58
Pulse(HL [dBm])	-60.38	-59.46	-59.85	-59.84	-74.14



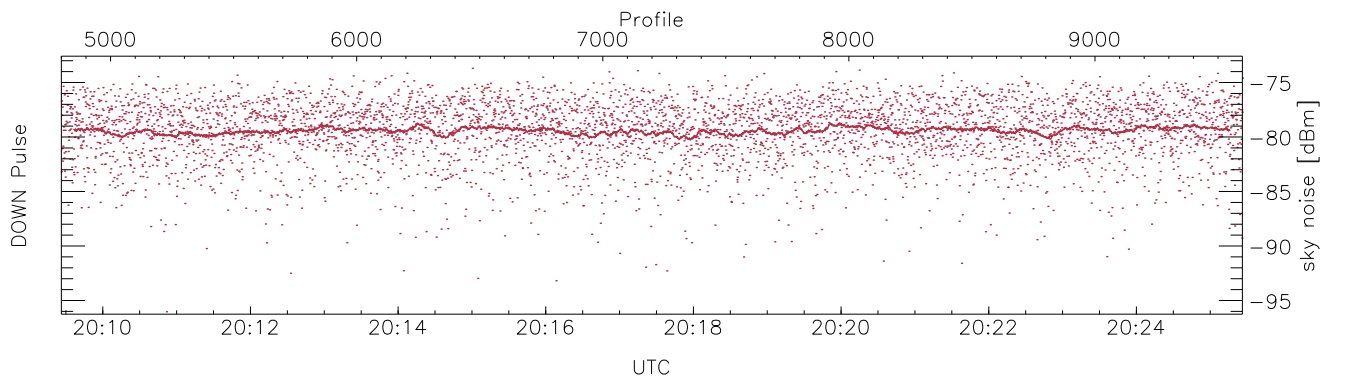
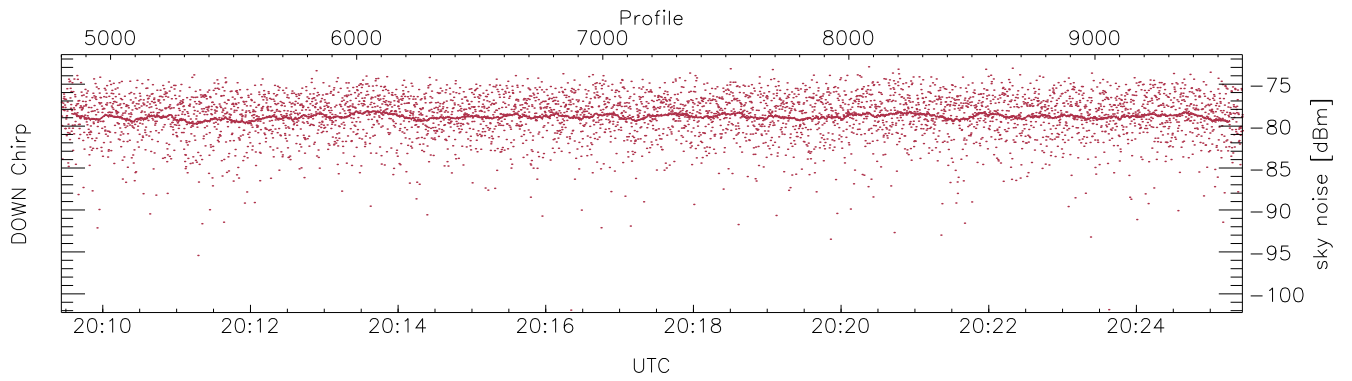
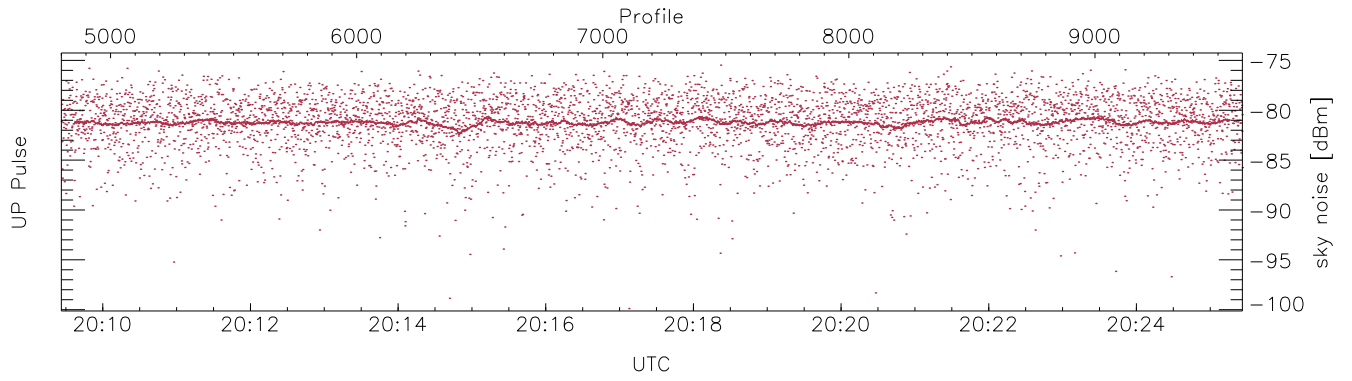
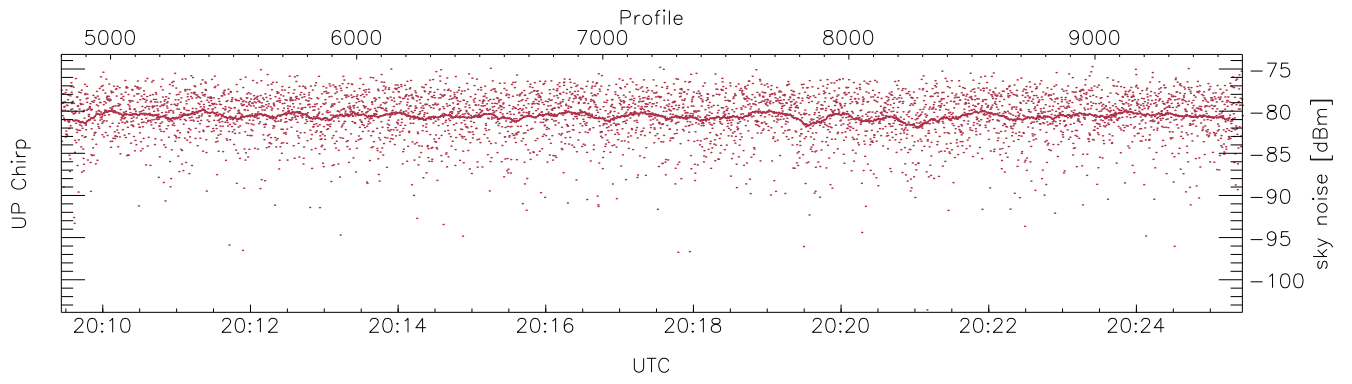
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.73	-63.93	-64.32	-64.32	-80.44
UP Pulse(dBm)	-65.48	-64.62	-65.08	-65.08	-80.73
DOWN Chirp(dBm)	-63.05	-62.21	-62.62	-62.62	-78.06
DOWN Pulse(dBm)	-63.63	-62.72	-63.16	-63.16	-78.35



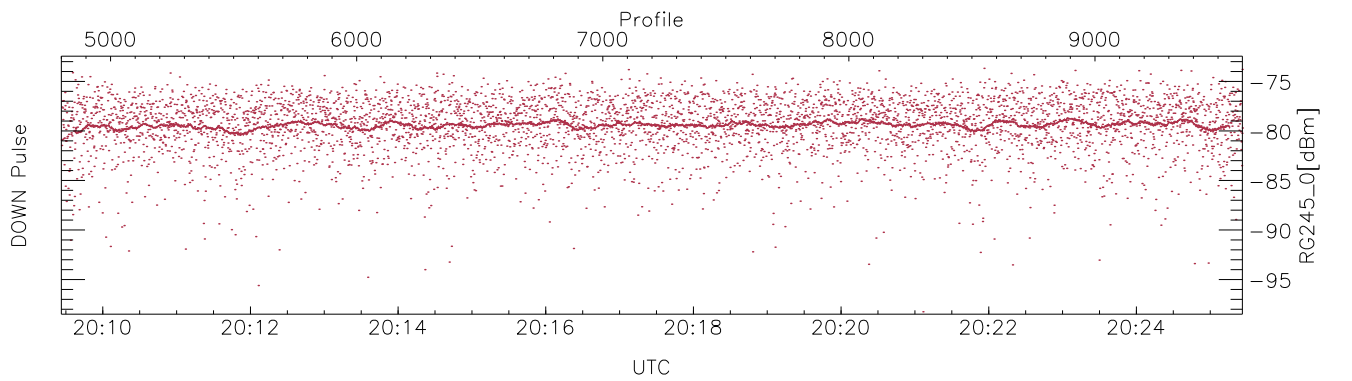
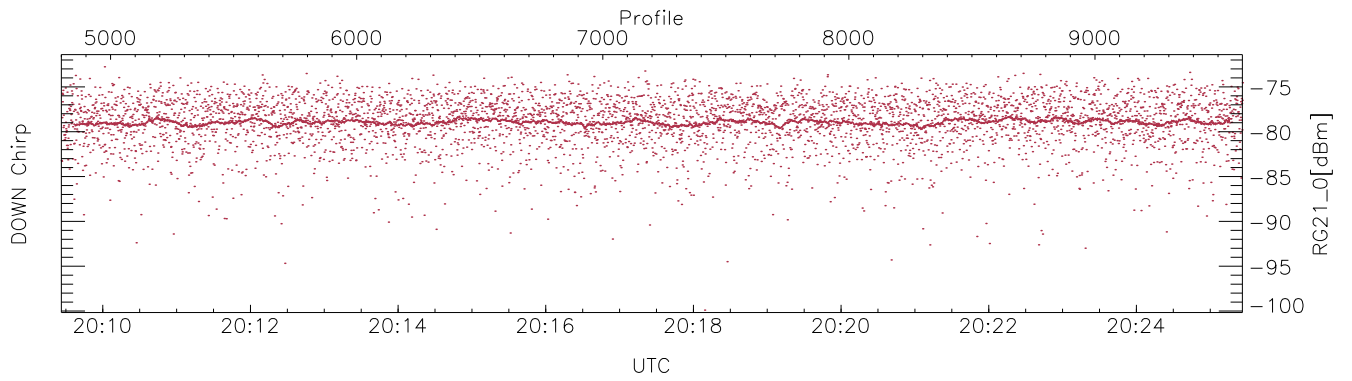
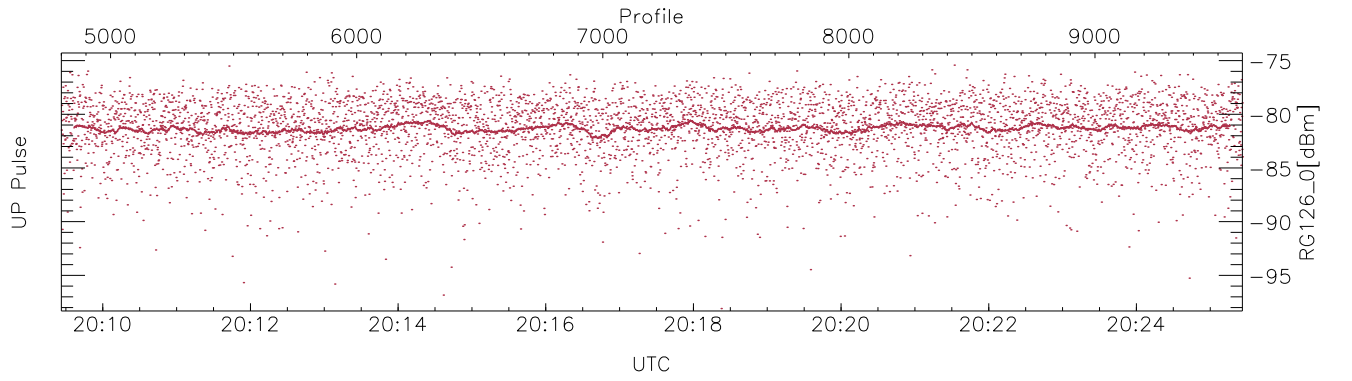
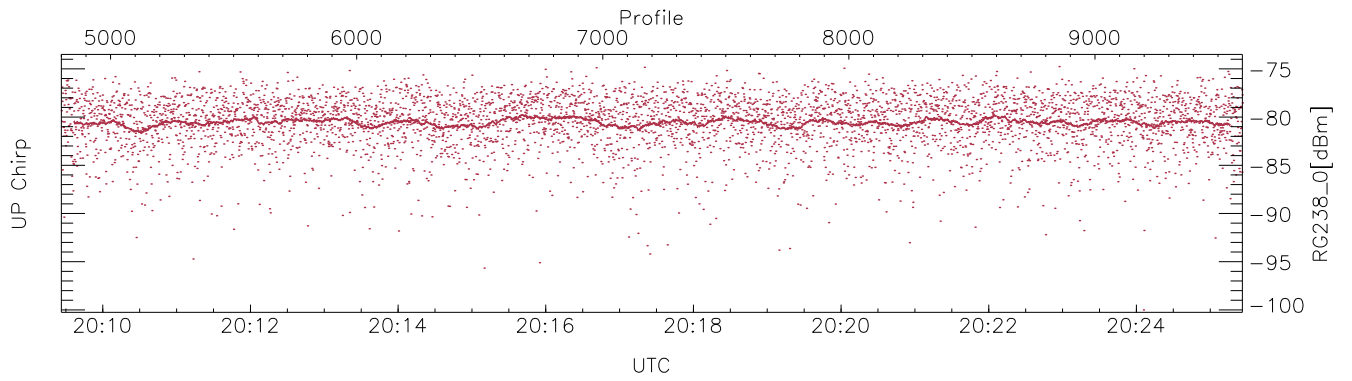
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG238_0	-64.76	-63.96	-64.33	-64.33	-80.47
UP_P_RG126_0	-65.54	-64.62	-65.08	-65.08	-80.84
DOWN_C_RG21_0	-63.07	-62.19	-62.62	-62.62	-78.17
DOWN_P_RG245_0	-63.64	-62.76	-63.16	-63.16	-78.37



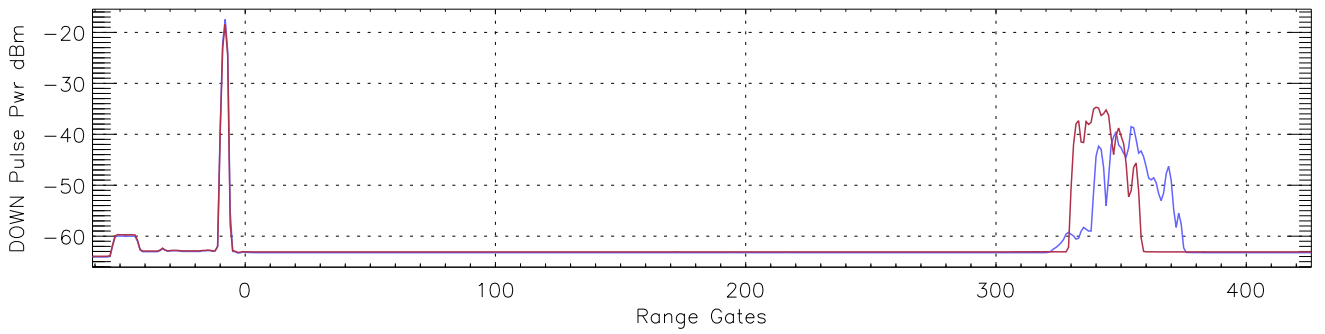
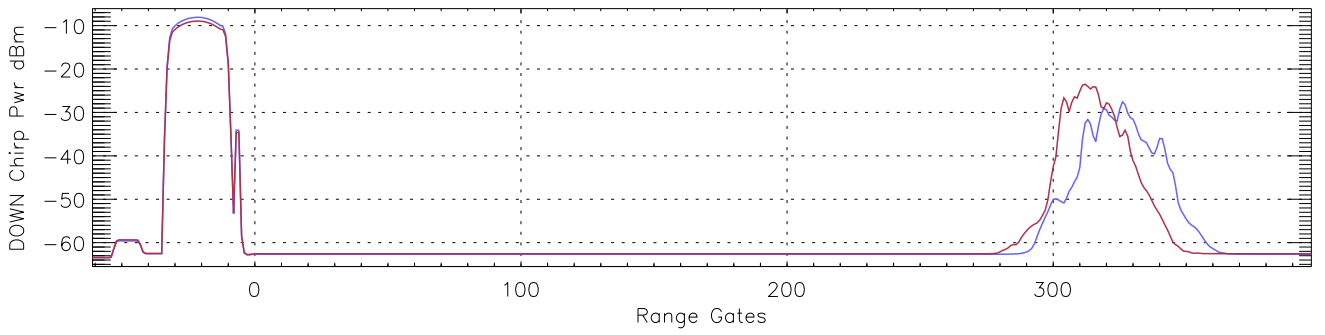
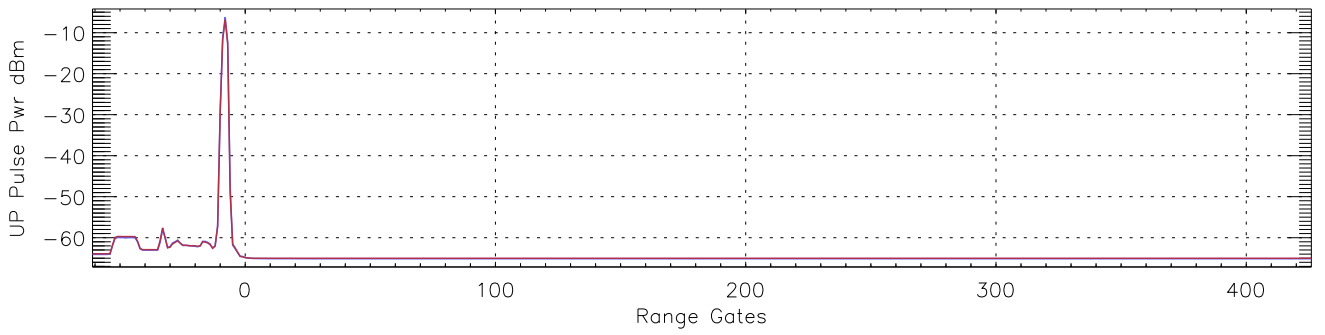
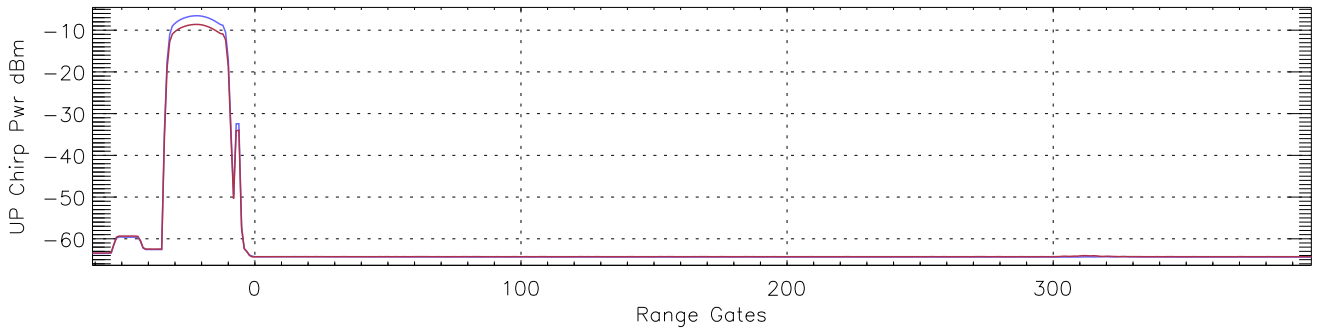
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-103.58	-74.71	-79.86	-80.16	-82.61
UP Pulse(dBm)	-99.89	-75.48	-80.55	-80.84	-83.45
DOWN Chirp(dBm)	-101.94	-72.93	-78.15	-78.42	-80.93
DOWN Pulse(dBm)	-96.03	-73.70	-78.72	-79.02	-81.55

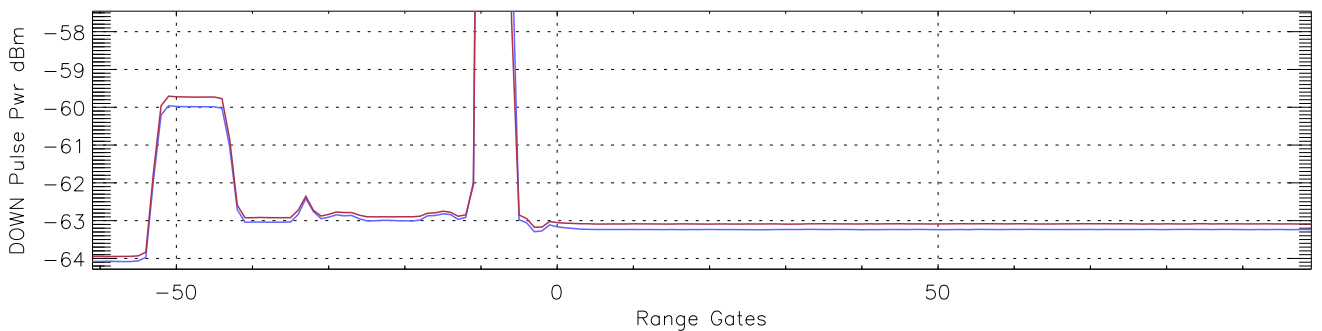
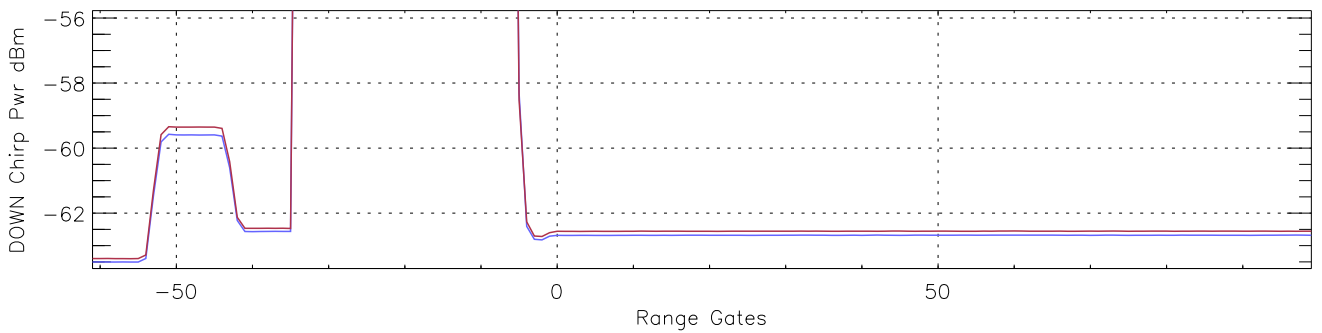
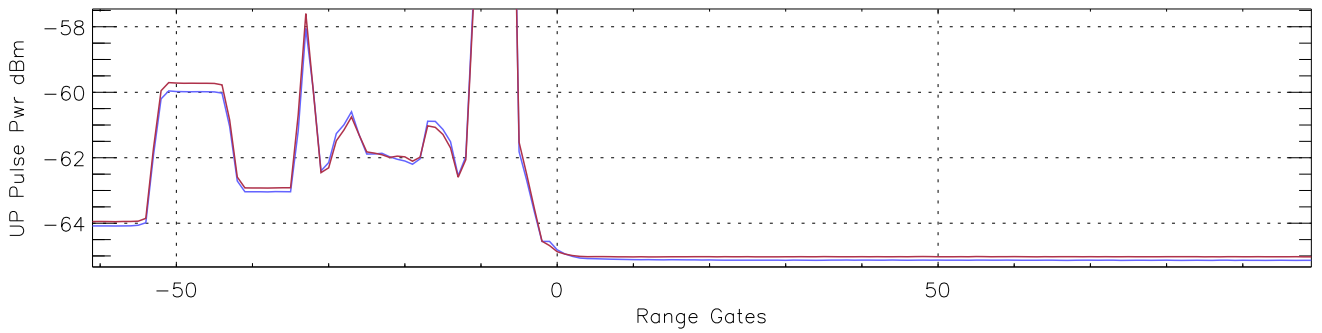
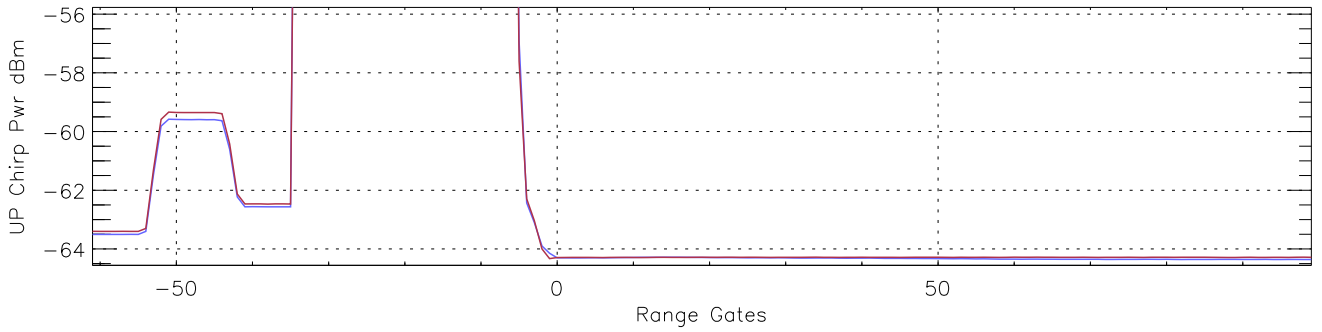


KPR SPP "Best" PPMAG noise (dBm):

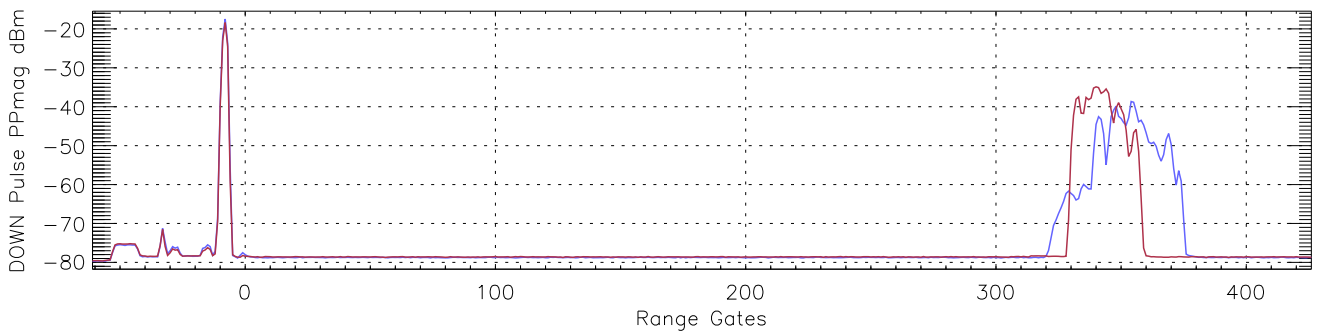
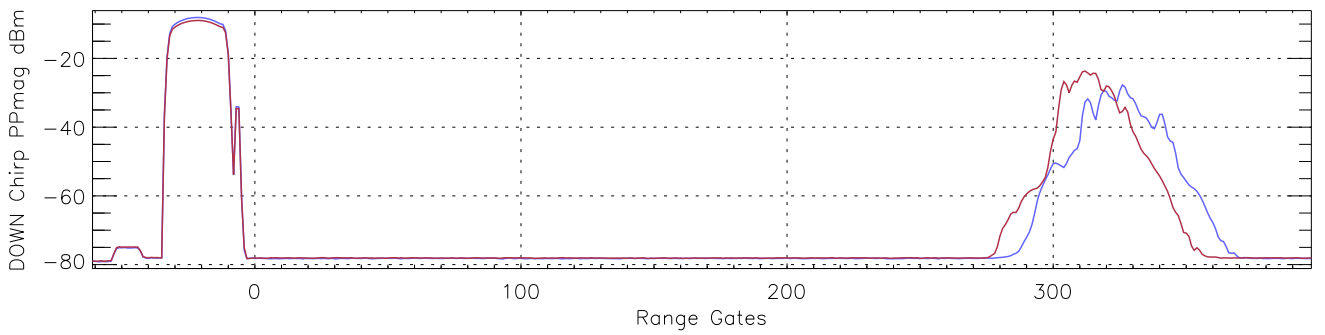
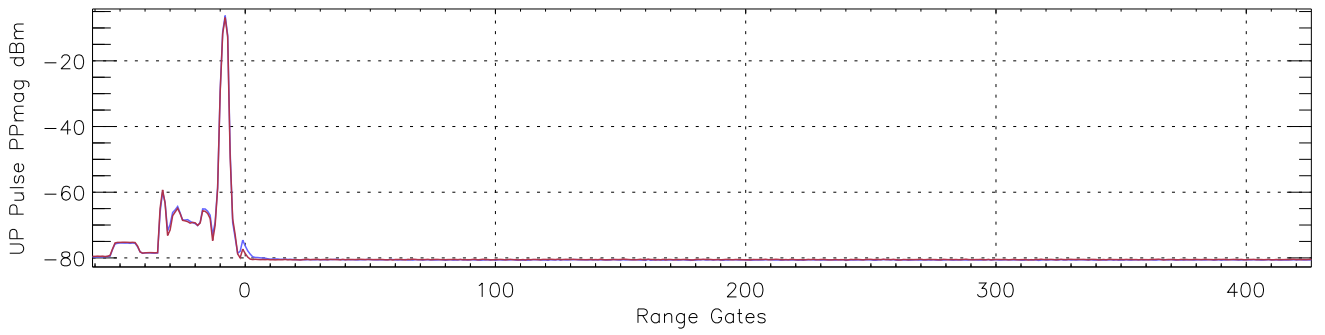
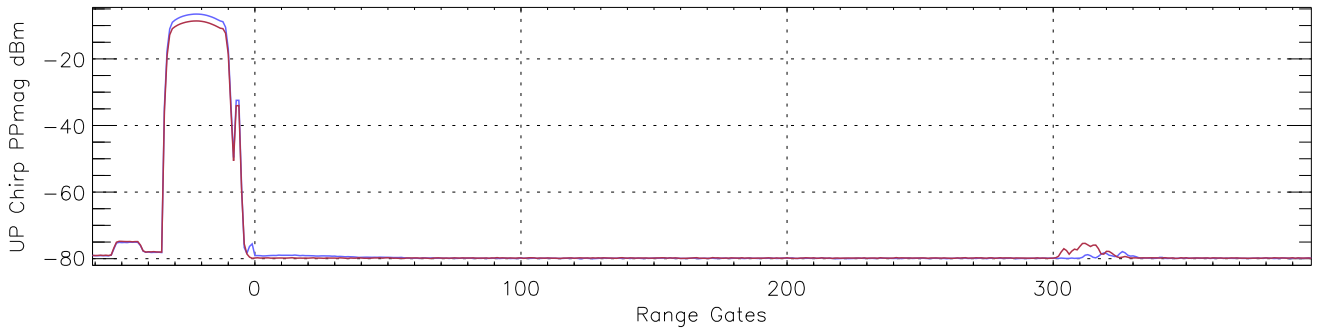
	Min	Max	Mean	Median	StDev
UP_C_RG238_0	-100.00	-74.76	-79.86	-80.12	-82.75
UP_P_RG126_0	-98.09	-75.42	-80.61	-80.86	-83.47
DOWN_C_RG21_0	-99.90	-72.76	-78.21	-78.48	-80.98
DOWN_P_RG245_0	-98.25	-73.68	-78.71	-78.98	-81.57



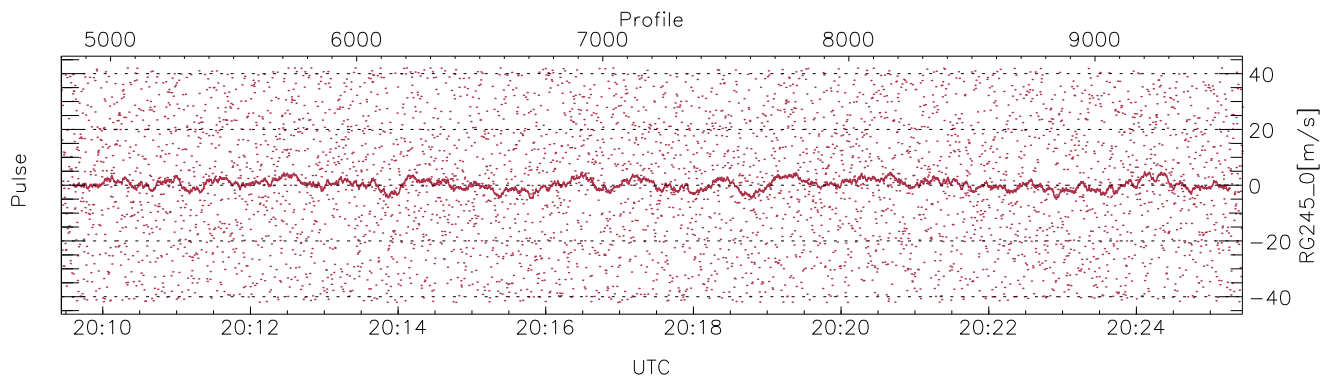
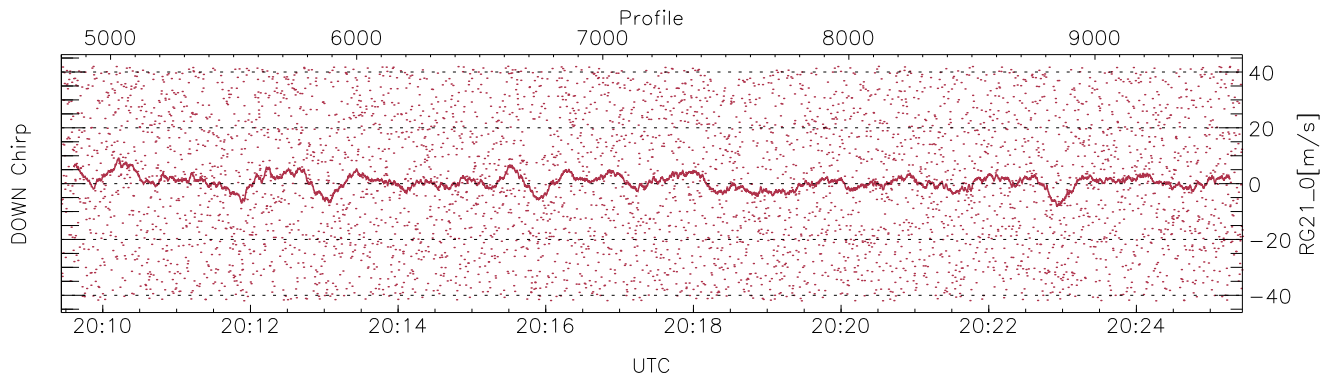
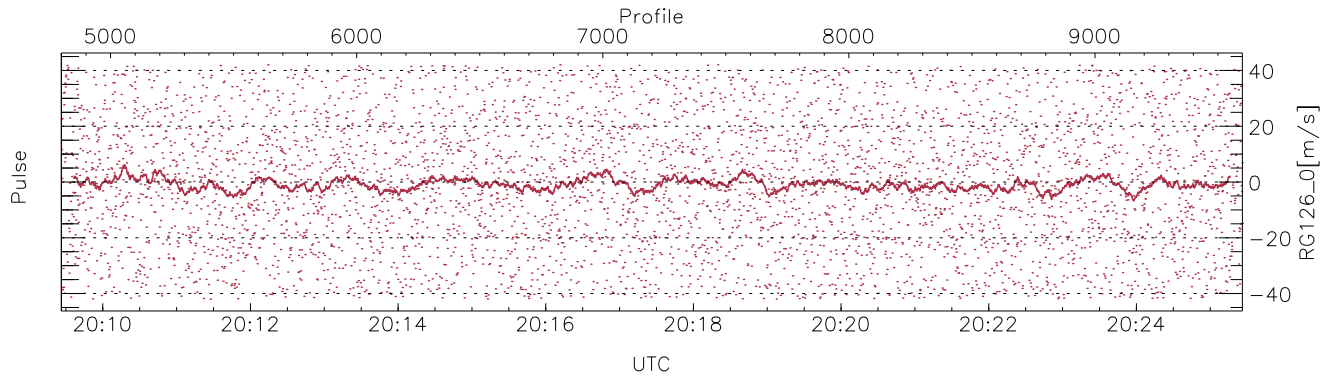
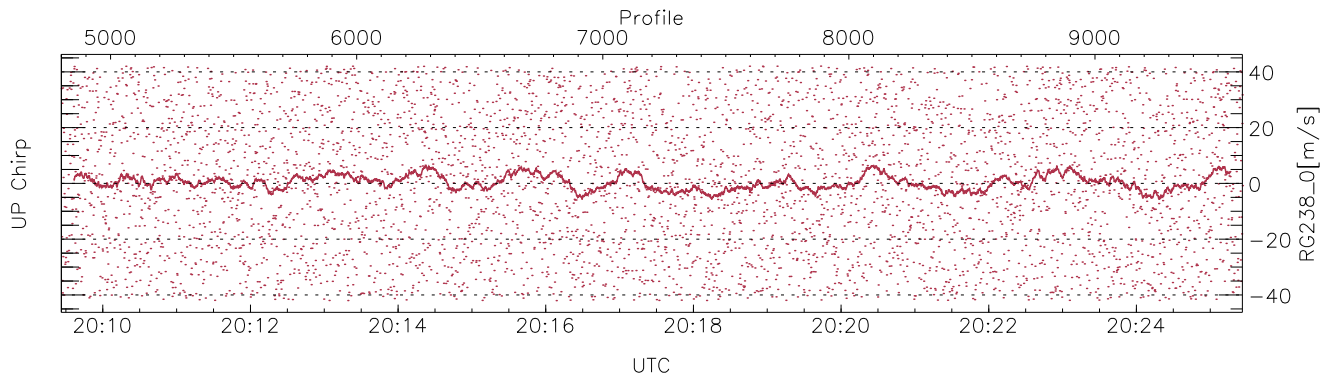
KPR SPP Averaged Received power for all recorded gates
blue: 200926-201726, 2401 profiles averaged
red: 201726-202526, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 200926-201726, 2401 profiles averaged
red: 201726-202526, 2400 profiles averaged

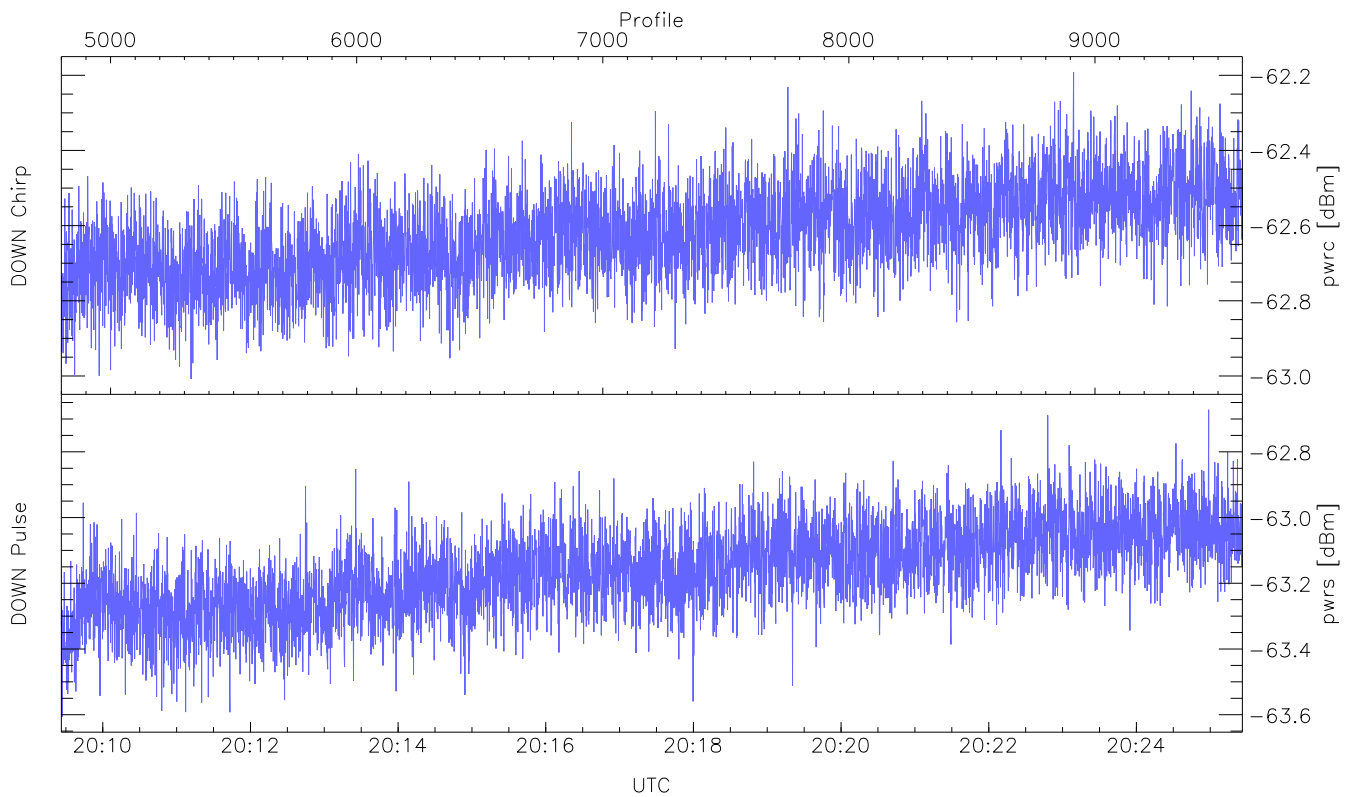
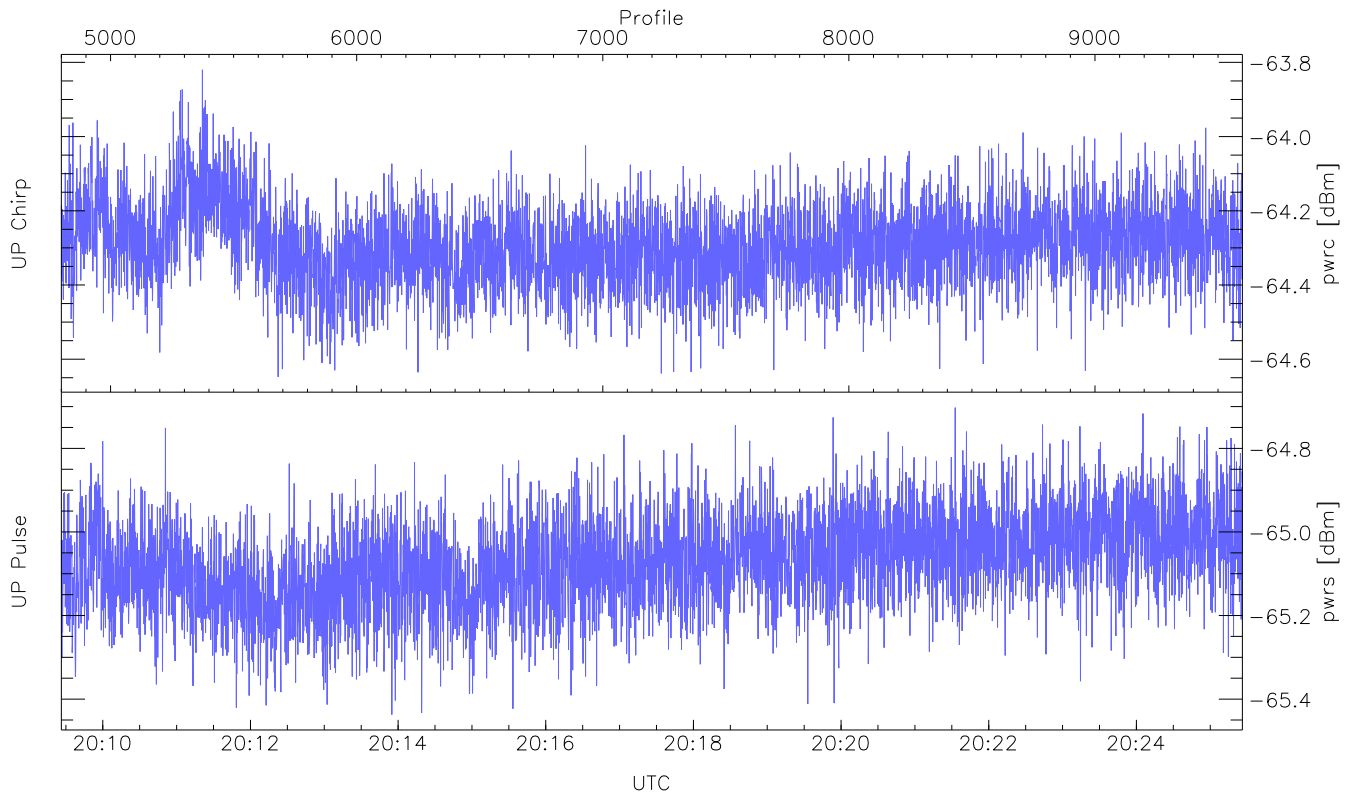


KPR SPP Averaged PP magnitude for all recorded gates
blue: 200926-201726, 2401 profiles averaged
red: 201726-202526, 2400 profiles averaged



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

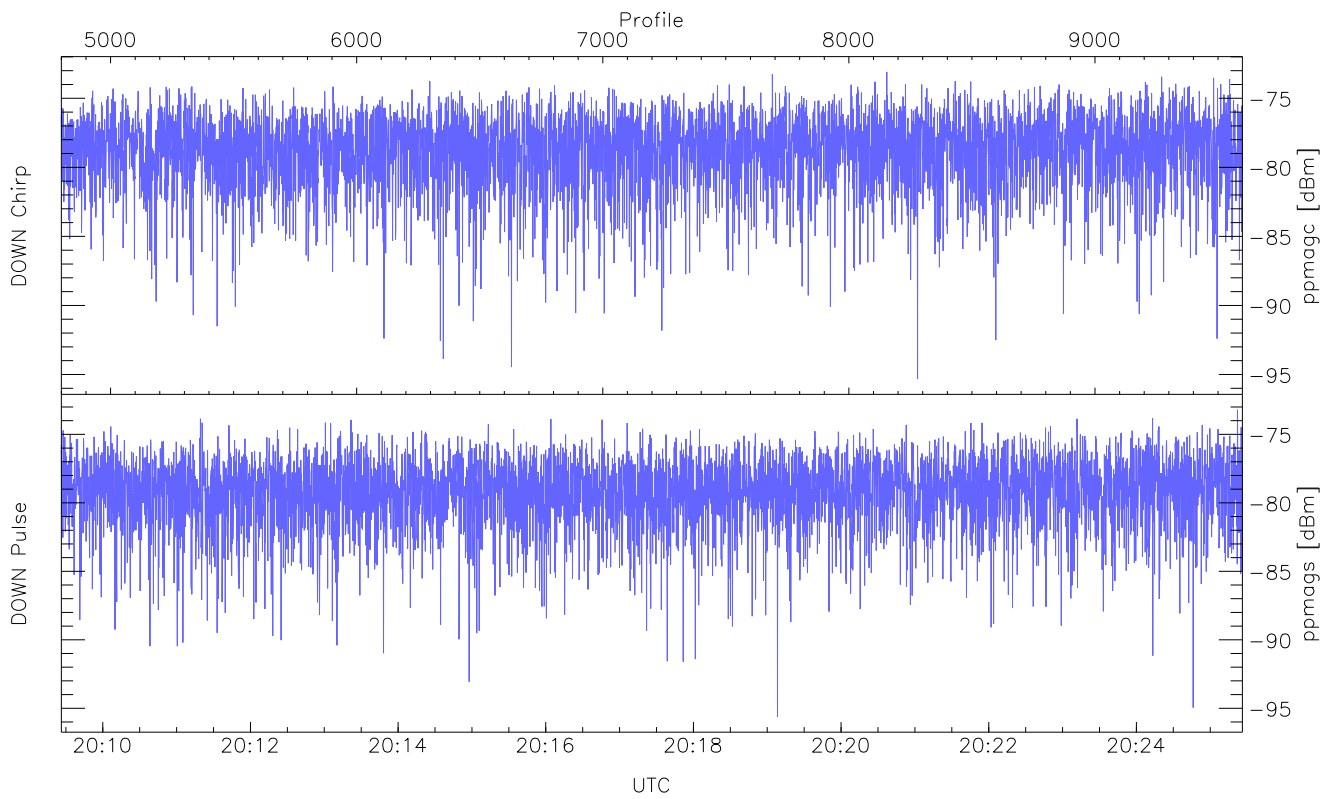
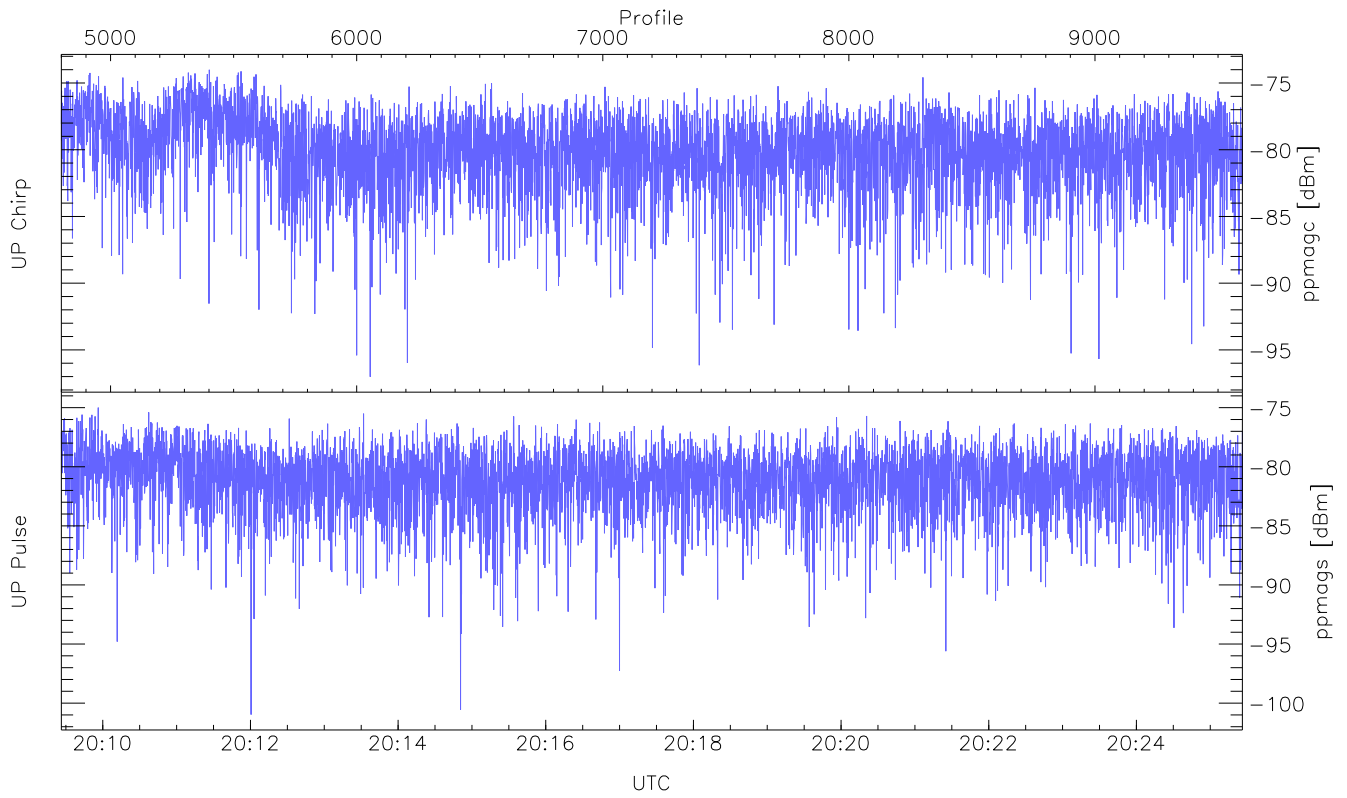
	Min	Max	Mean	Median	StDev
UP_C_RG238_0	-42.04	42.05	0.35	0.11	24.25
UP_P_RG126_0	-42.05	42.06	-0.86	-0.74	22.52
DOWN_C_RG21_0	-41.99	42.03	0.54	0.90	24.24
DOWN_P_RG245_0	-42.05	42.06	0.21	0.62	23.38



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

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

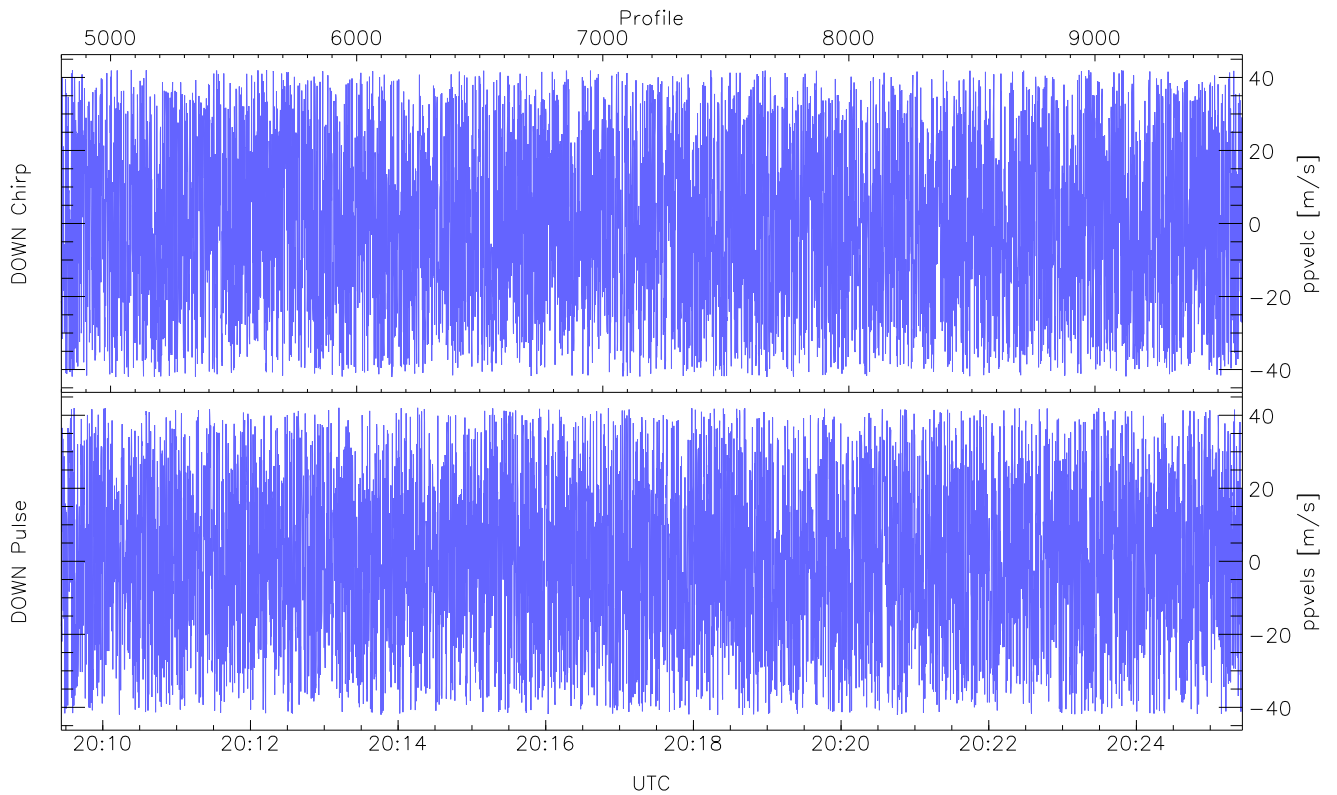
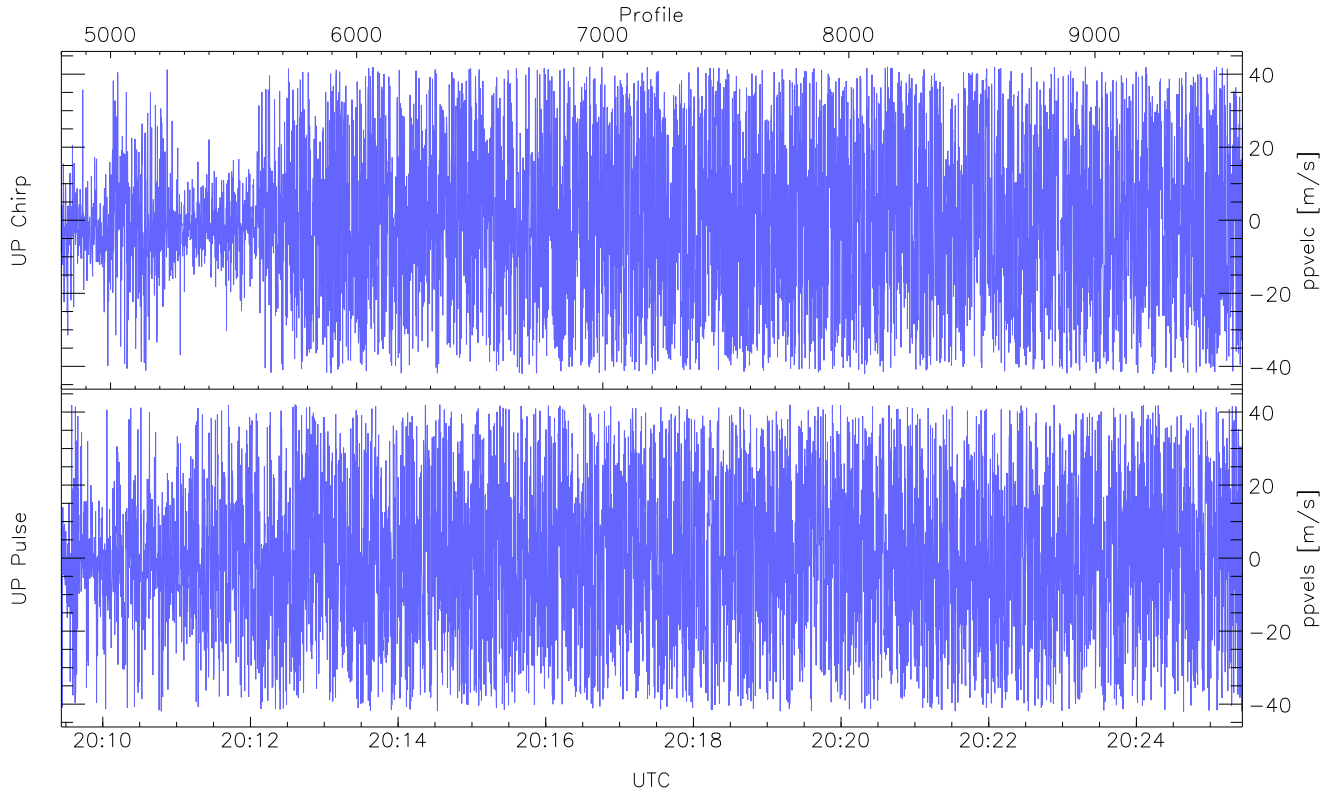
	Min	Max	Mean
UP Chirp(dBm)	-64.65	-63.82	-64.29
UP Pulse(dBm)	-65.44	-64.70	-65.07
DOWN Chirp(dBm)	-63.01	-62.19	-62.62
DOWN Pulse(dBm)	-63.61	-62.67	-63.16



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

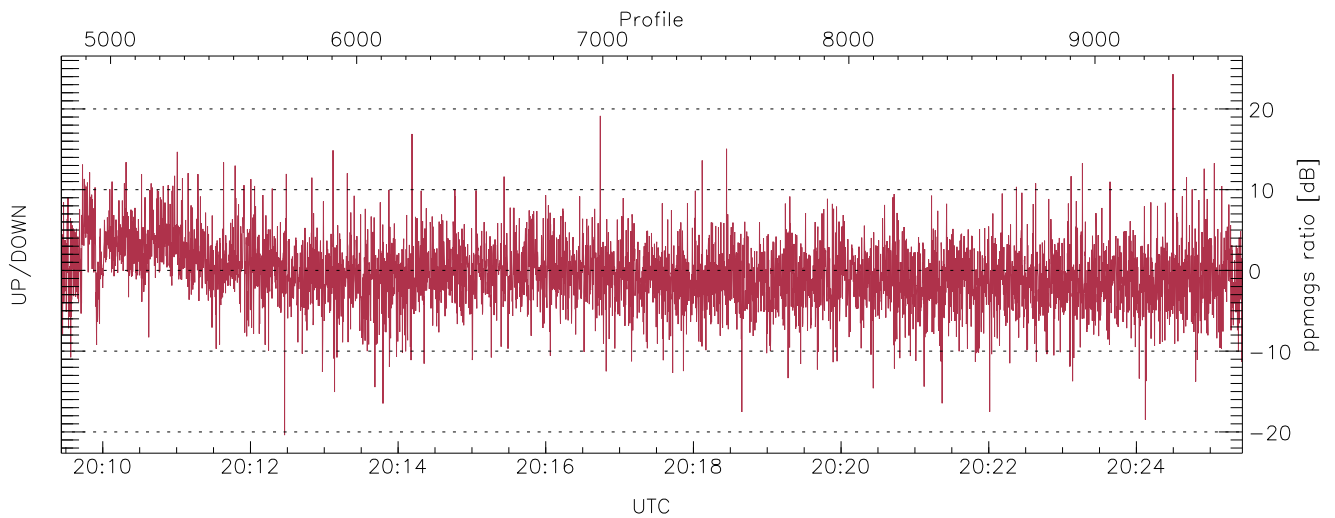
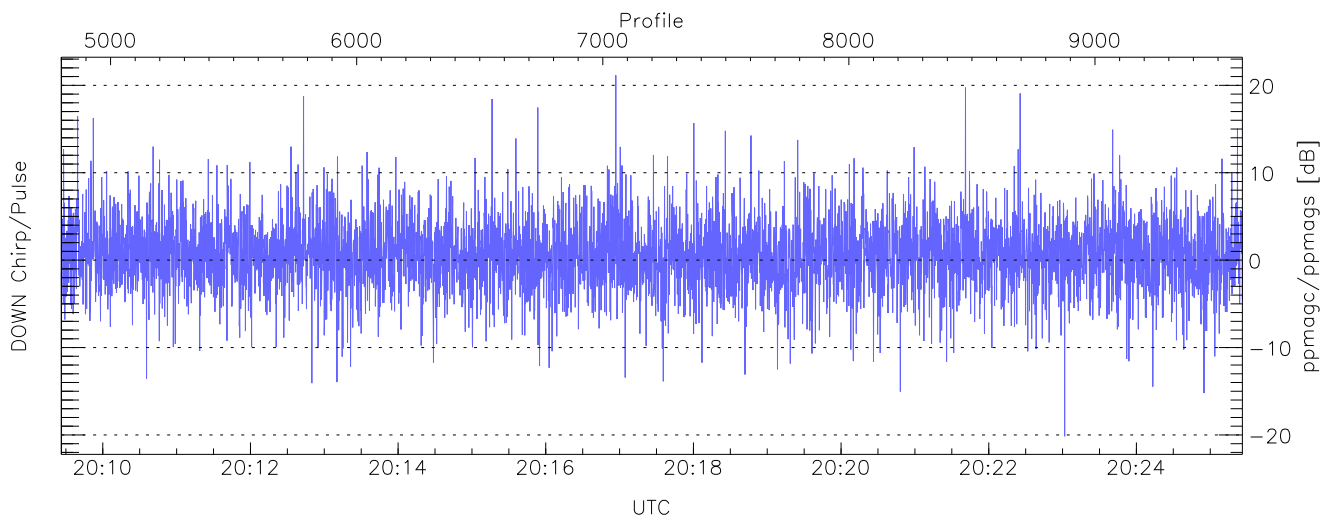
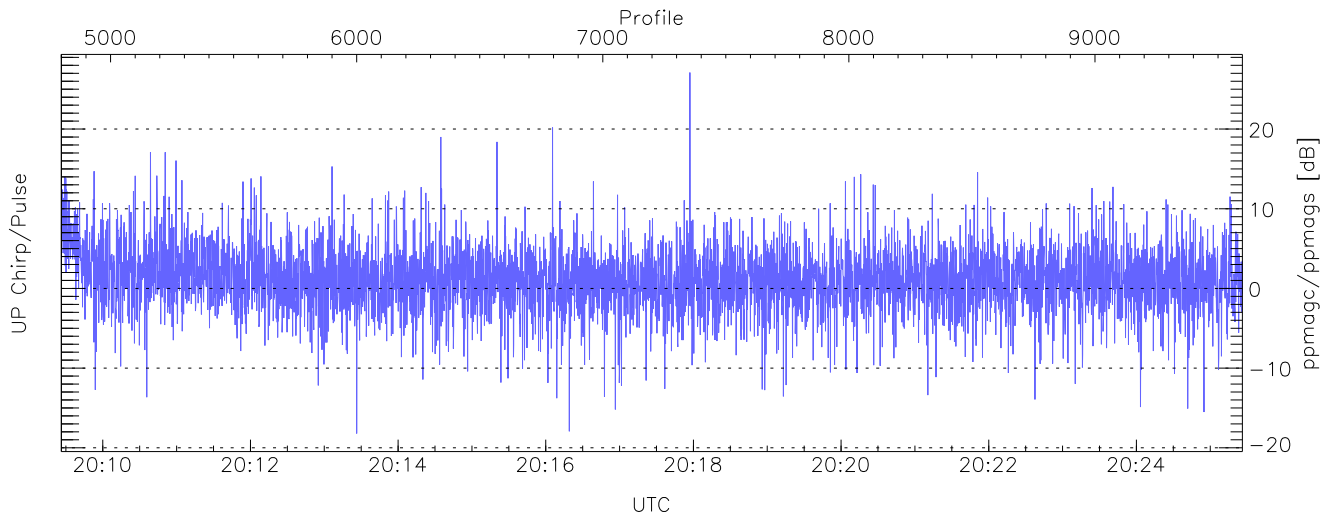
KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-97.02	-74.01	-79.37
UP Pulse(dBm)	-100.97	-74.99	-80.48
DOWN Chirp(dBm)	-95.33	-73.09	-78.18
DOWN Pulse(dBm)	-95.62	-73.20	-78.65



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)	-42.05	42.02	-0.49
UP Pulse(m/s)	-42.05	42.06	-0.15
DOWN Chirp(m/s)	-42.05	42.05	-0.20
DOWN Pulse(m/s)	-42.04	42.06	0.13



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-18.21	27.10	3.29
DOWN Chirp/Pulse(dBm)	-20.16	21.15	2.60
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-20.40	24.32	1.73