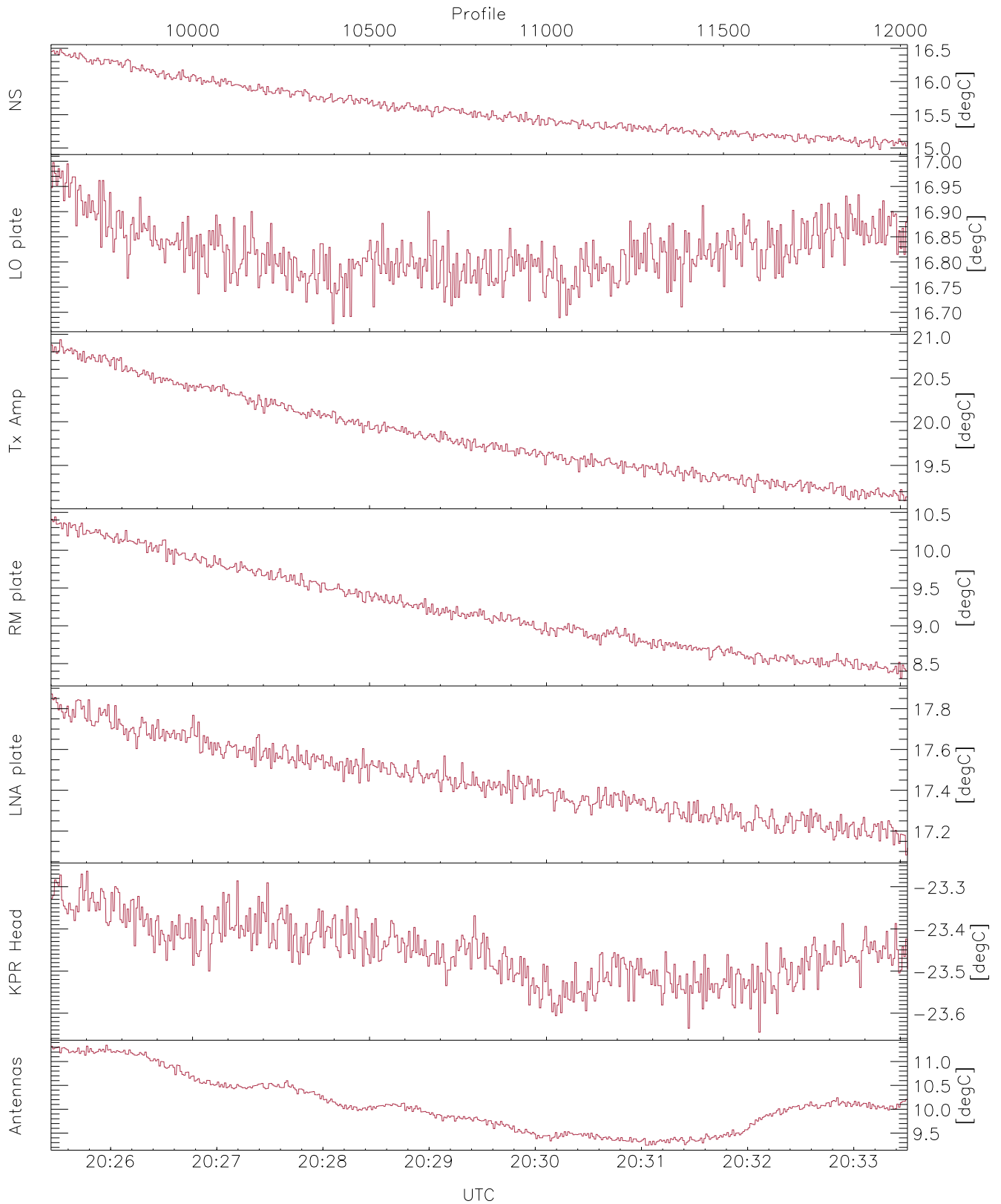


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 19:53:26-20:33:30, TimeCor: 0.00s, Dur: 484.00s
 TimeInt(min,max,mn,std): 190.8,209.2,200.0,0.5 ms; PPS: 5.0
 NumRec(r/t): 2421/12021, 9600-12020/20:25:26-20:33:30
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s
 Pulse: 247 ns, Chirp: 2.47 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

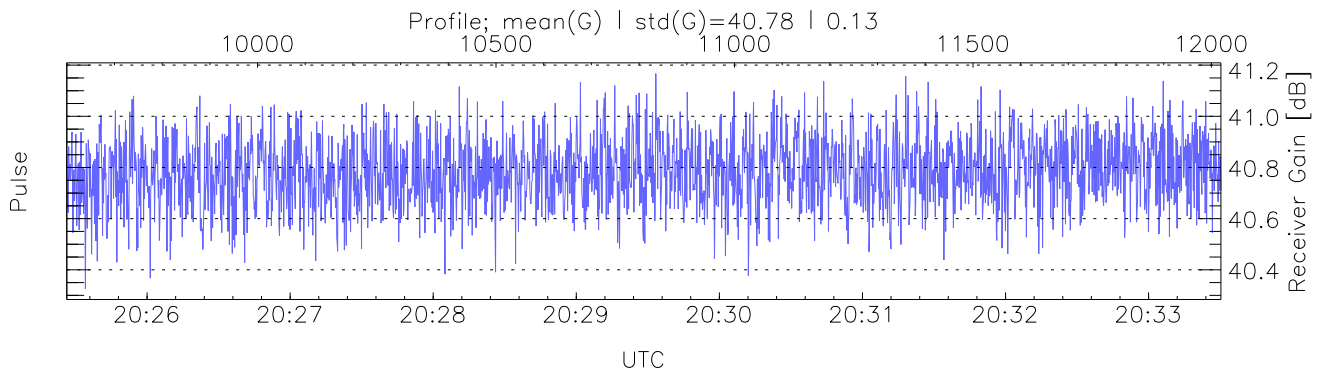
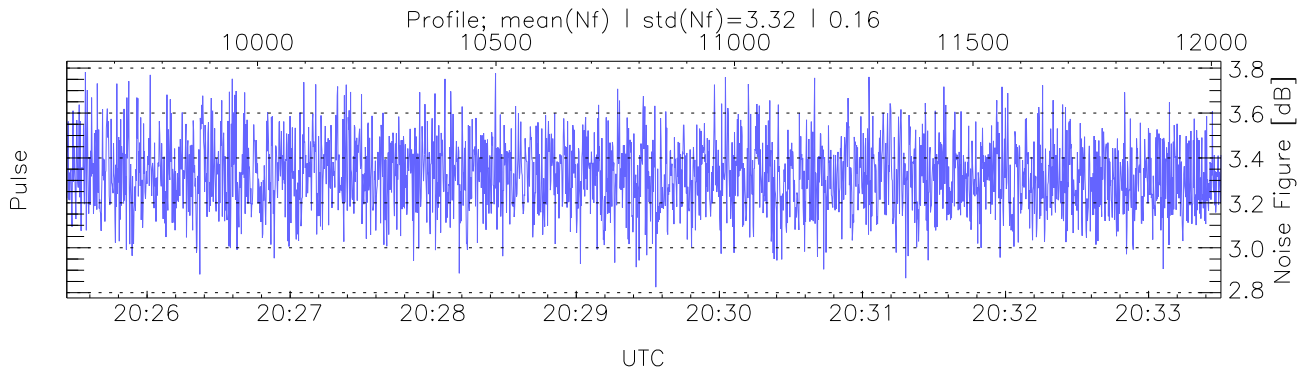
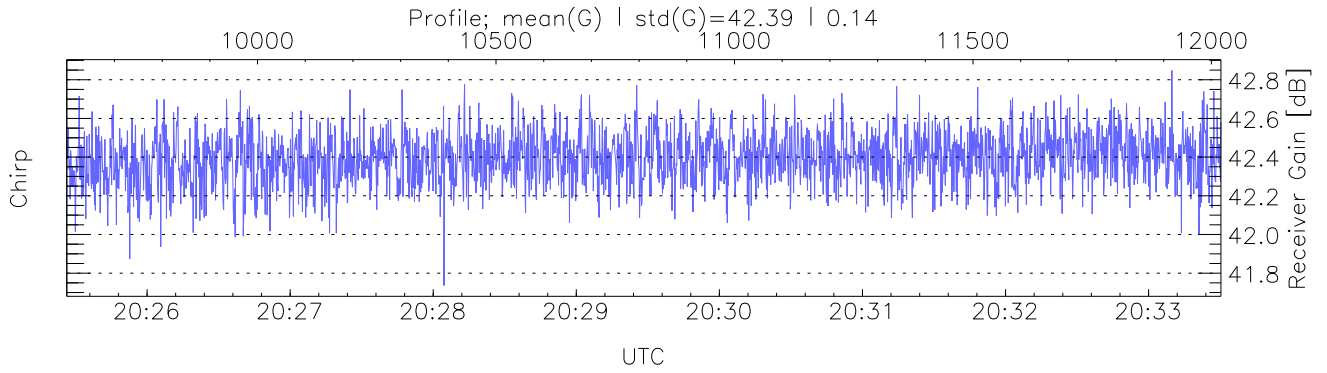
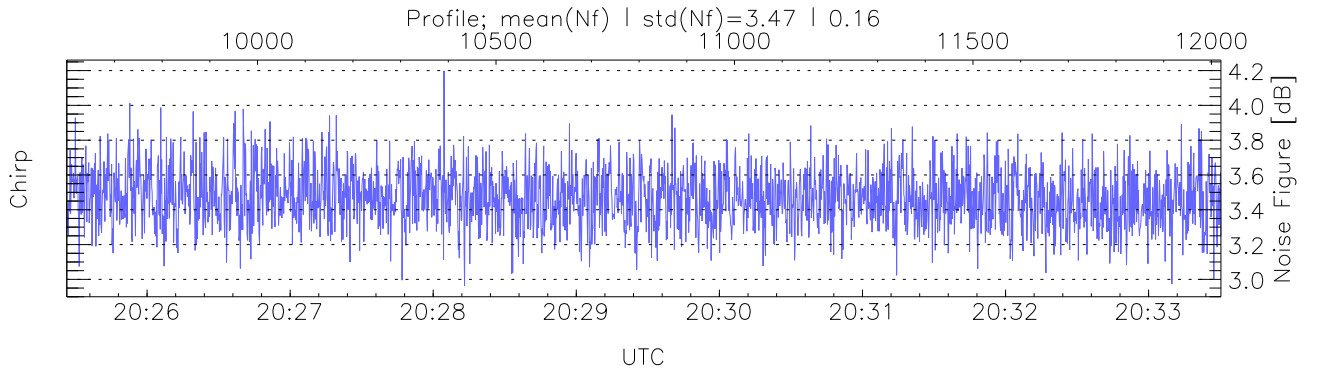


KPR SPP Temperatures, Power Supplies, PLO lock:

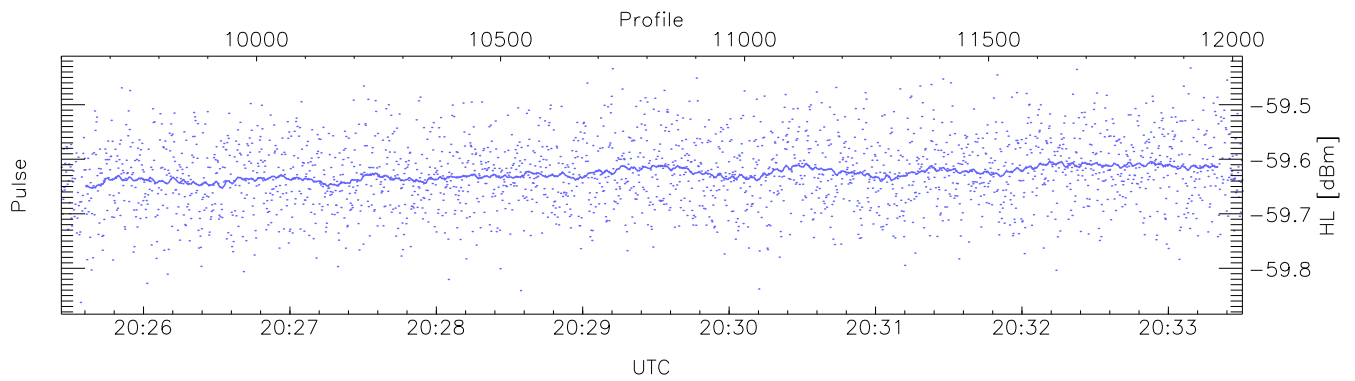
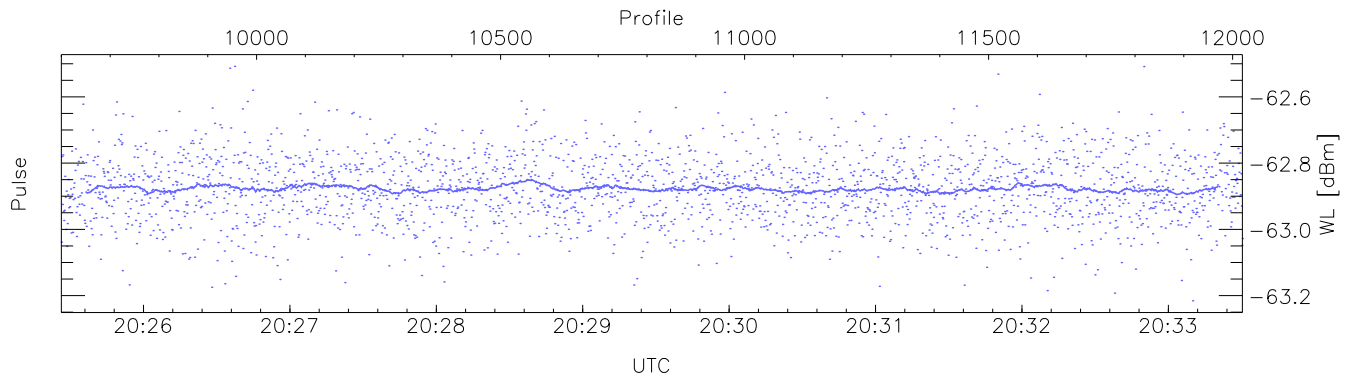
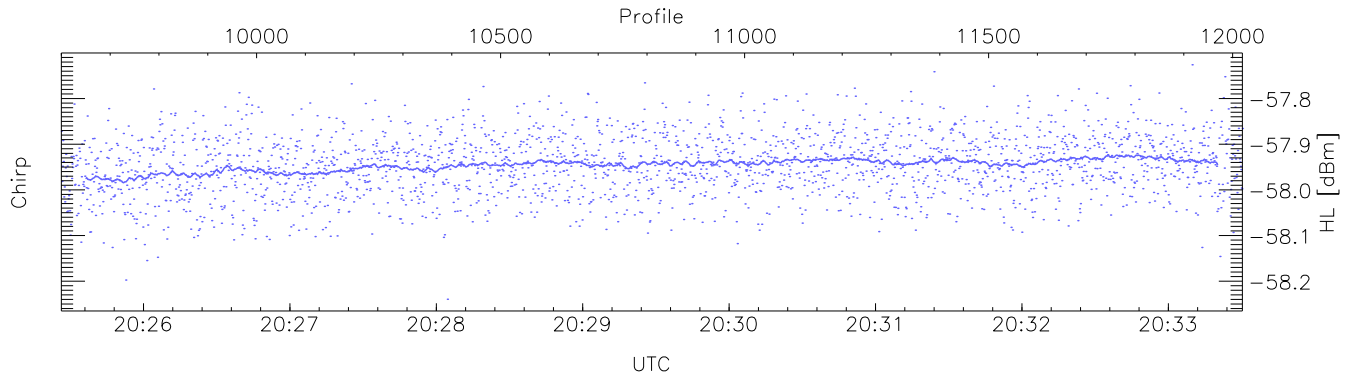
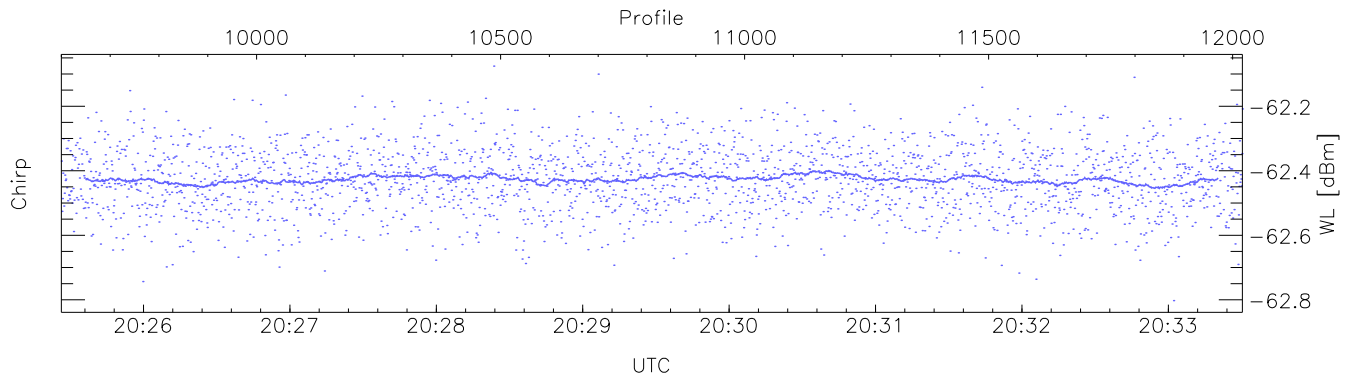
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	15.0,	16.7,	19.1,	8.3,	17.1,	-23.6,	9.2
maxtempC:	16.5,	17.0,	20.9,	10.4,	17.9,	-23.3,	11.3
meantempC:	15.6,	16.8,	19.8,	9.2,	17.4,	-23.5,	10.1

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.77,	11.69,	7.87,	5.21
maxVDC:	27.96,	11.74,	7.90,	5.23
meanVDC:	26.83,	11.72,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

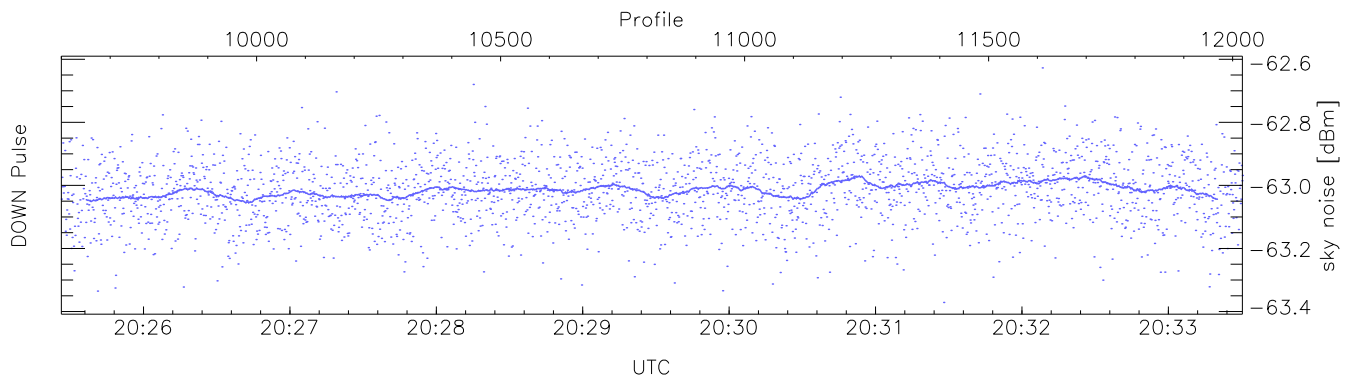
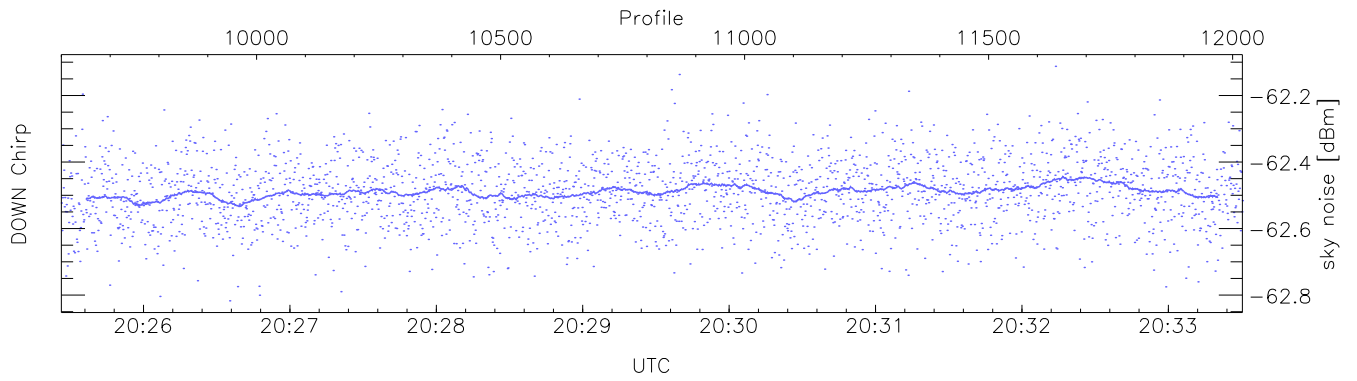
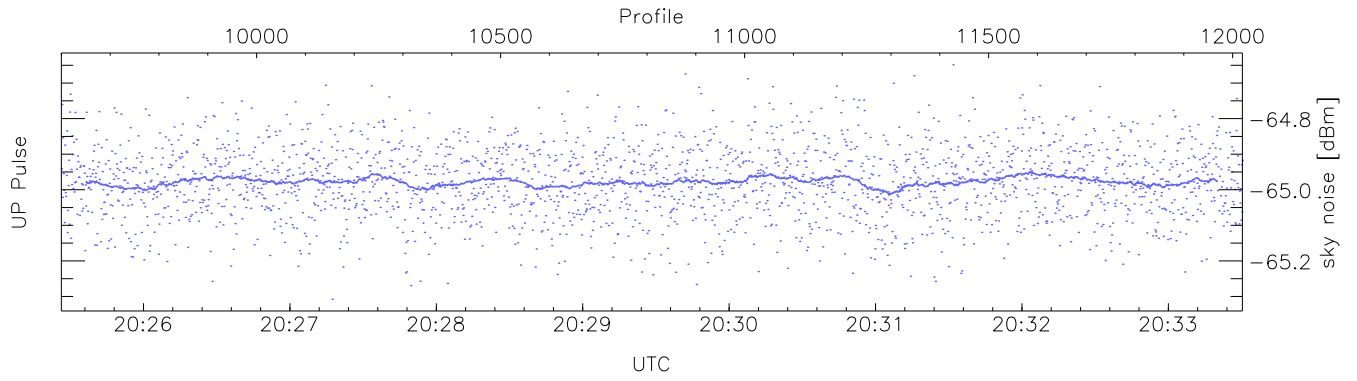
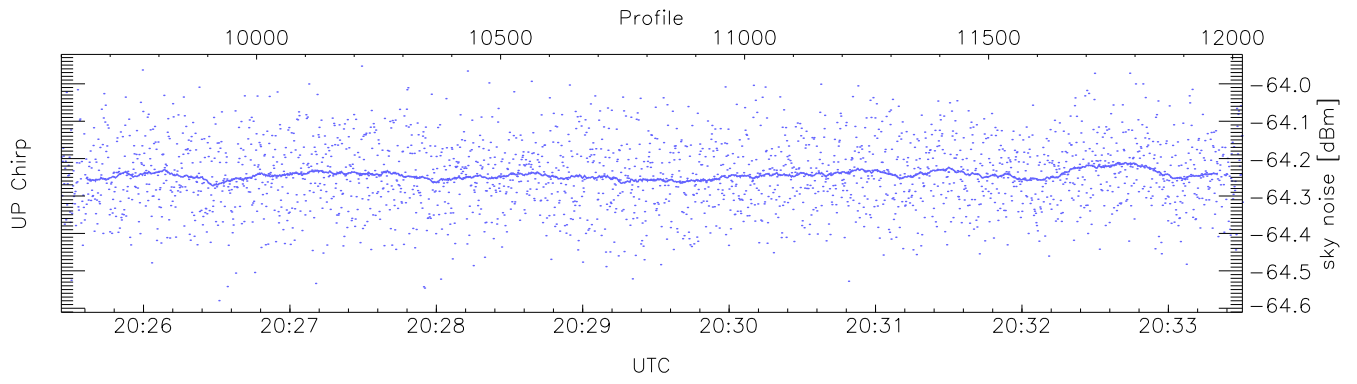


KPR SPP Receiver Gain and Noise Figure



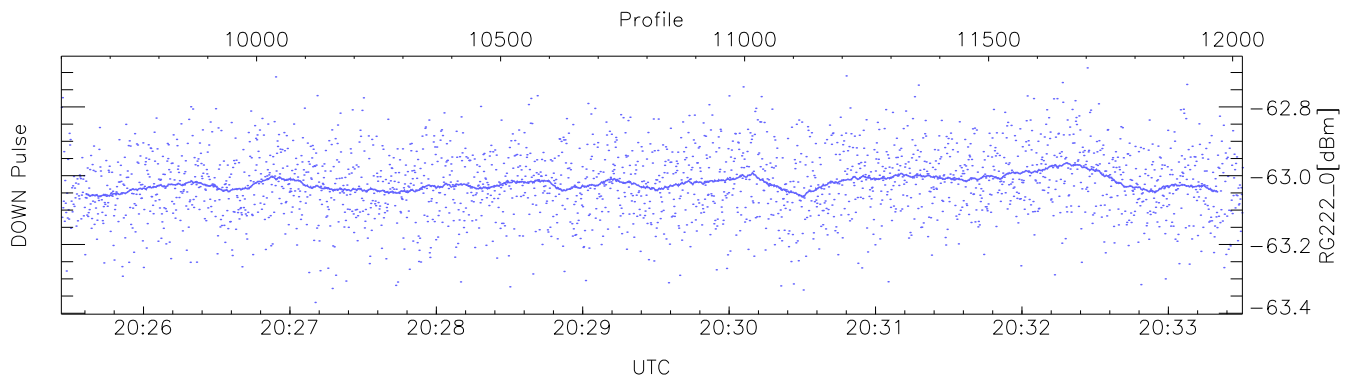
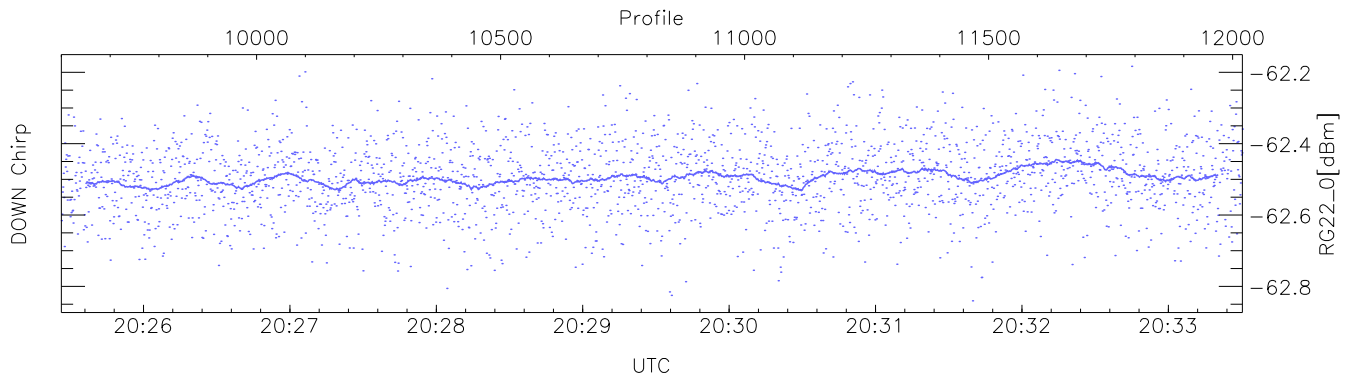
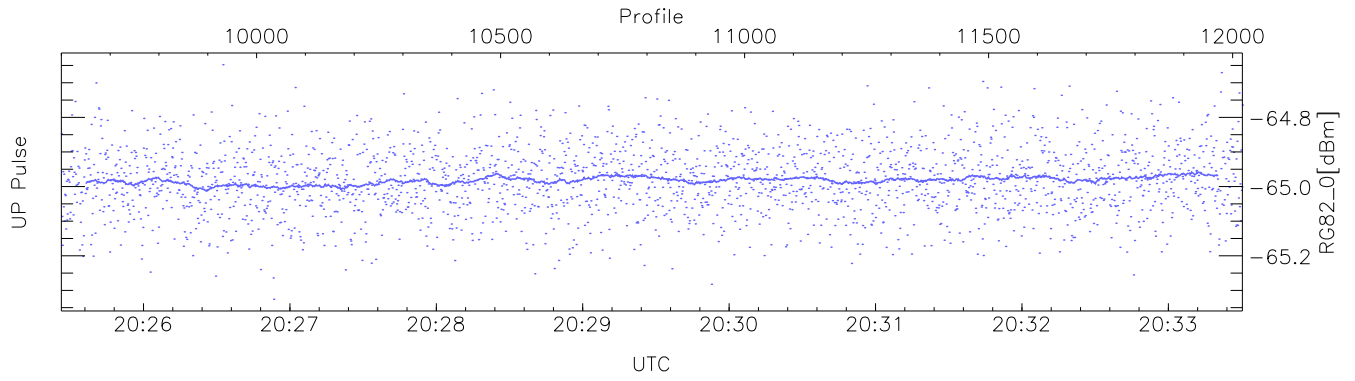
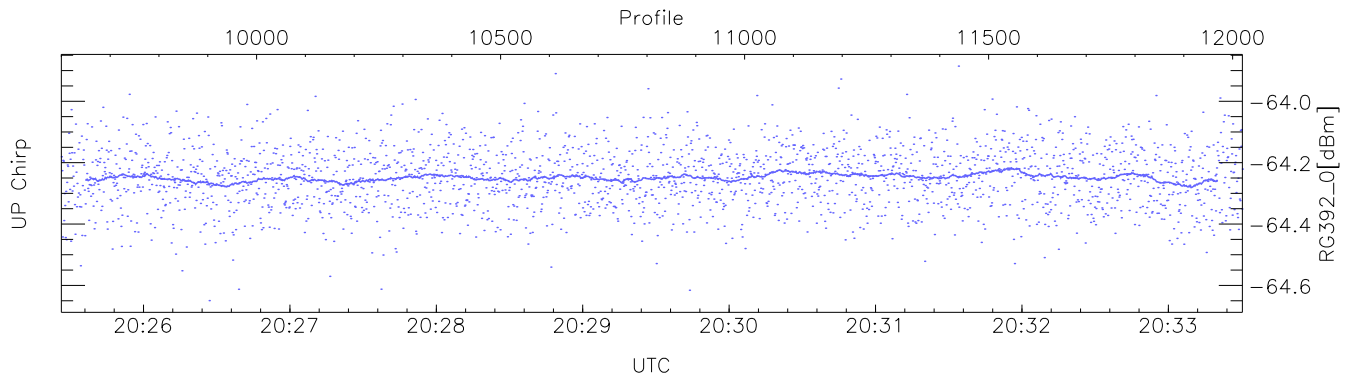
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.80	-62.08	-62.43	-62.43	-78.87
Chirp(HL [dBm])	-58.24	-57.73	-57.95	-57.95	-76.16
Pulse(WL [dBm])	-63.22	-62.51	-62.88	-62.88	-79.36
Pulse(HL [dBm])	-59.86	-59.43	-59.63	-59.63	-77.85



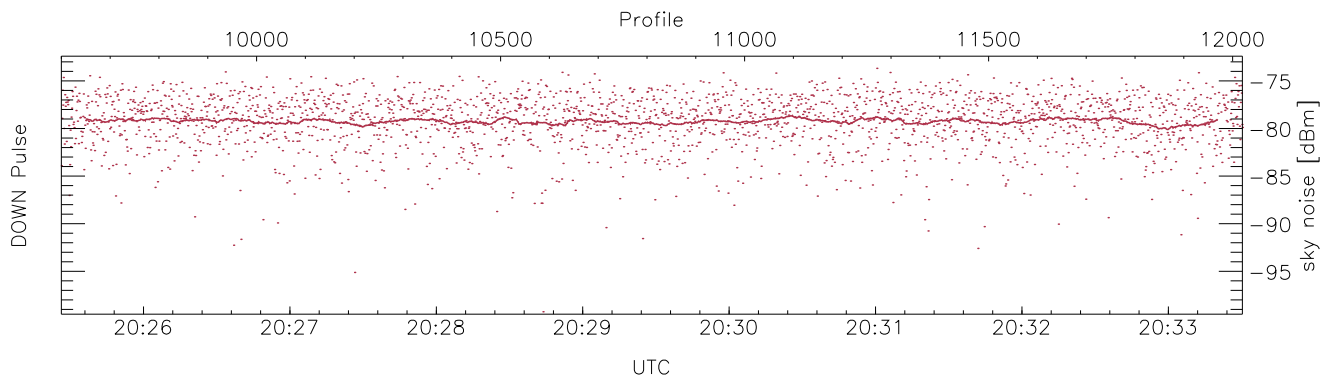
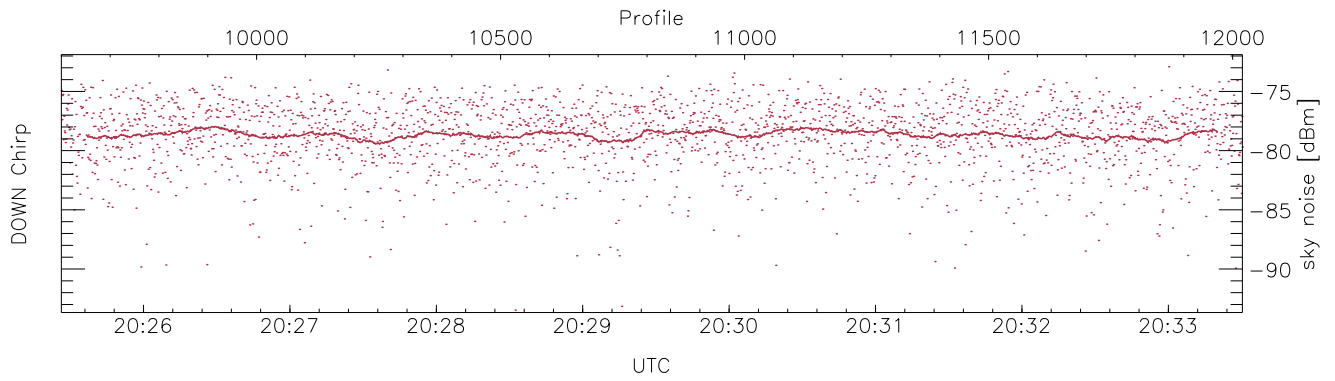
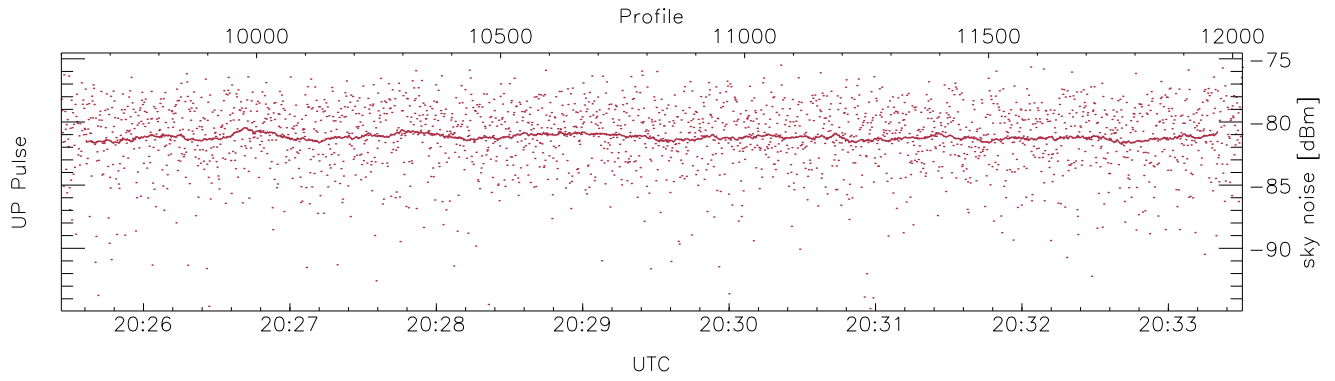
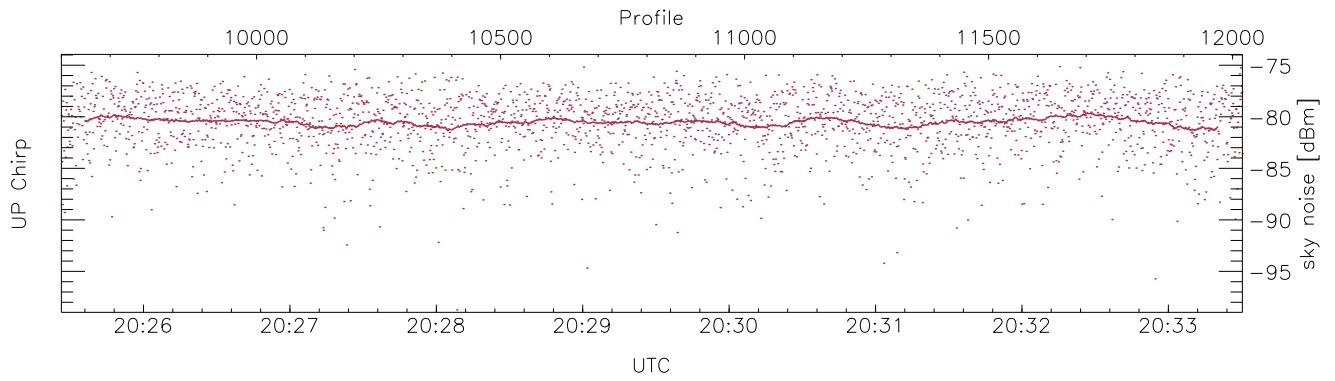
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.58	-63.95	-64.24	-64.25	-80.78
UP Pulse(dBm)	-65.31	-64.65	-64.98	-64.98	-81.41
DOWN Chirp(dBm)	-62.82	-62.11	-62.49	-62.49	-78.90
DOWN Pulse(dBm)	-63.37	-62.63	-63.01	-63.01	-79.36



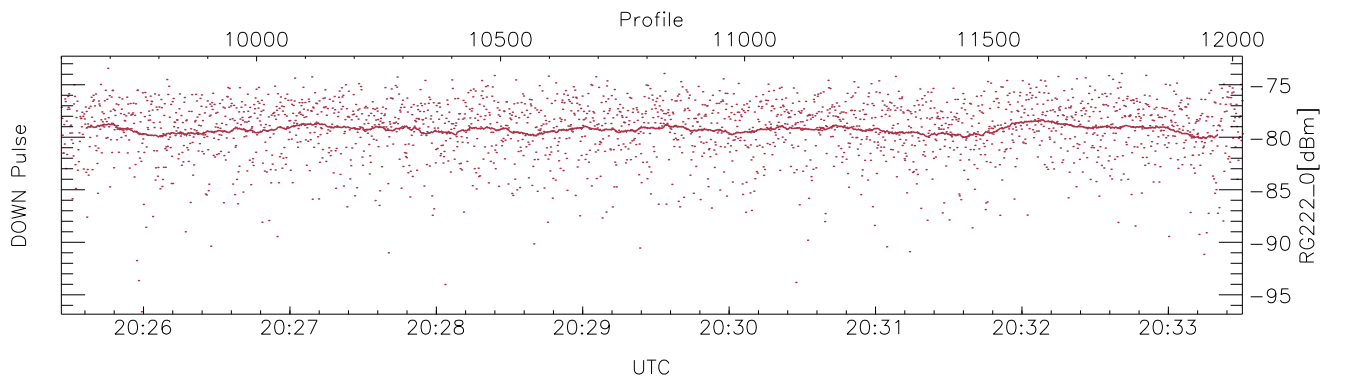
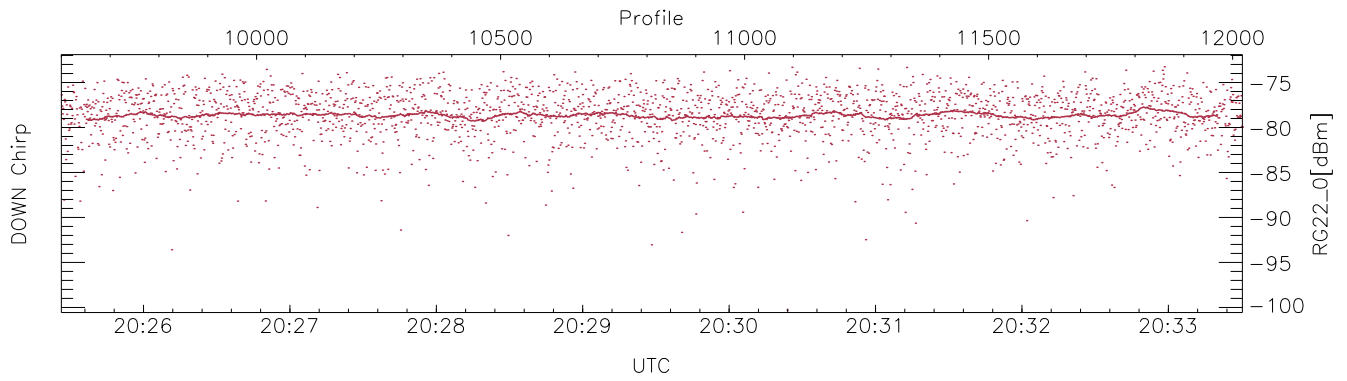
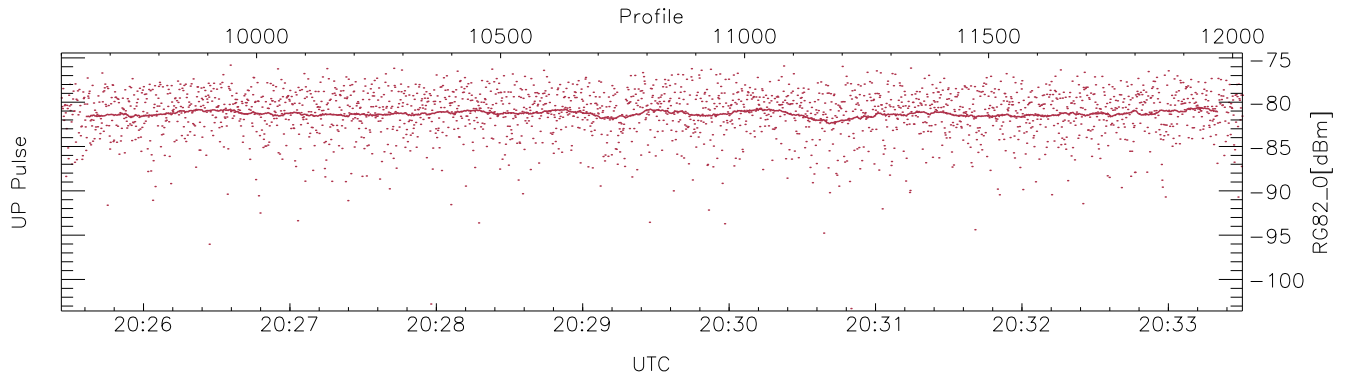
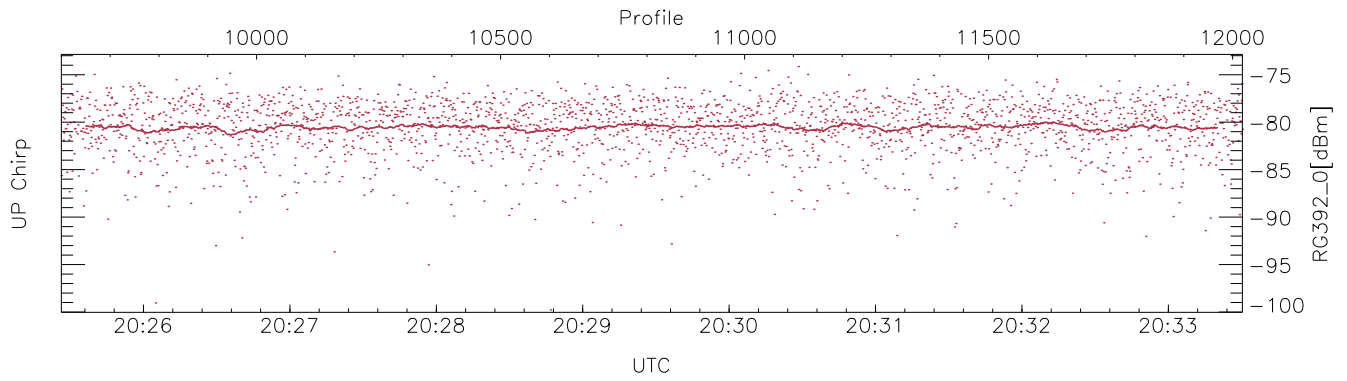
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG392_0	-64.65	-63.89	-64.25	-64.25	-80.74
UP_P_RG82_0	-65.33	-64.65	-64.98	-64.98	-81.53
DOWN_C_RG22_0	-62.84	-62.18	-62.49	-62.49	-78.91
DOWN_P_RG222_0	-63.37	-62.69	-63.02	-63.02	-79.33



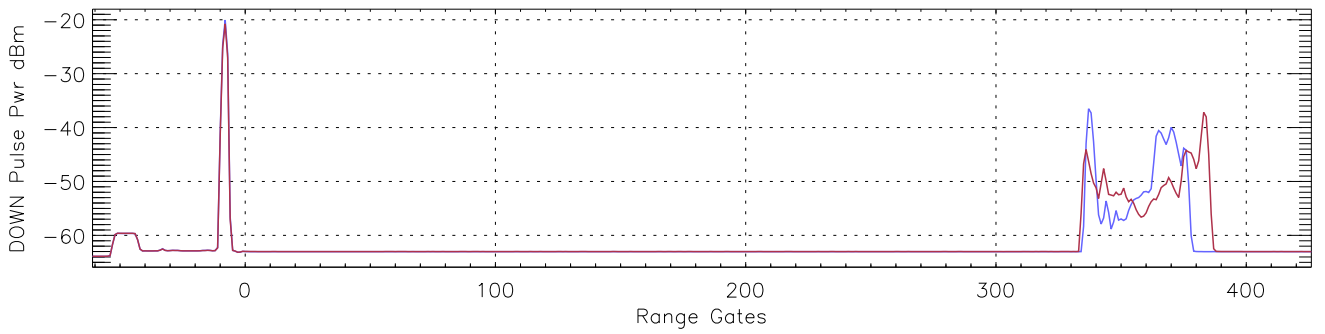
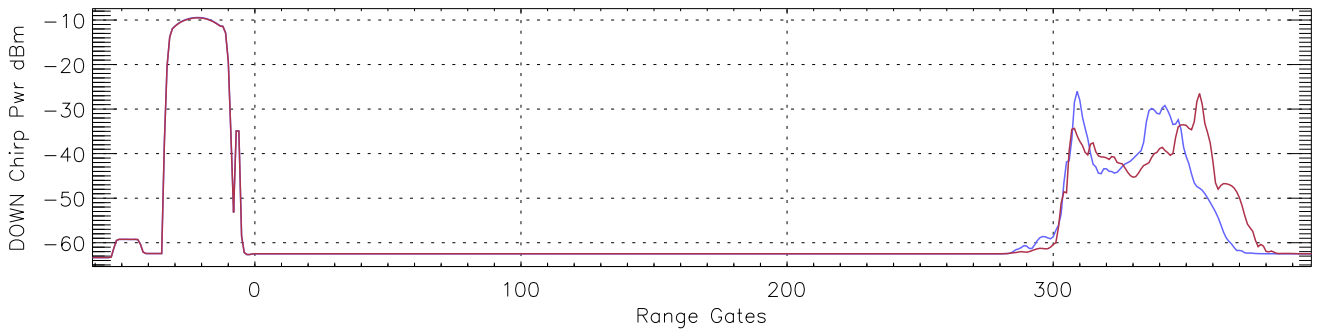
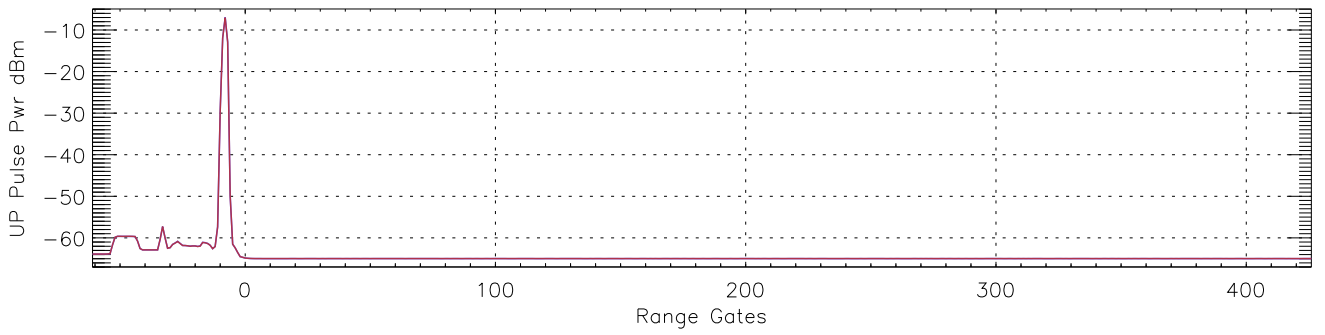
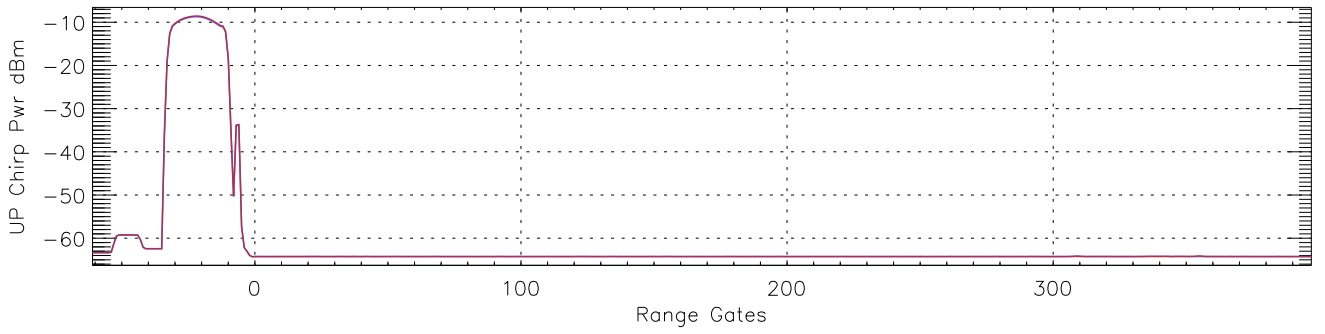
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-98.74	-75.13	-79.80	-80.07	-82.63
UP Pulse(dBm)	-94.77	-75.50	-80.46	-80.81	-83.19
DOWN Chirp(dBm)	-93.47	-72.91	-77.97	-78.24	-80.89
DOWN Pulse(dBm)	-99.24	-73.69	-78.53	-78.76	-81.42

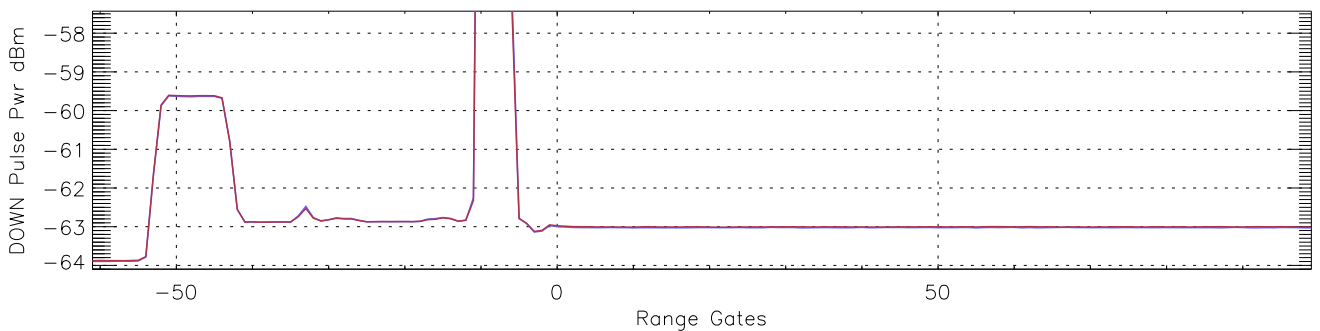
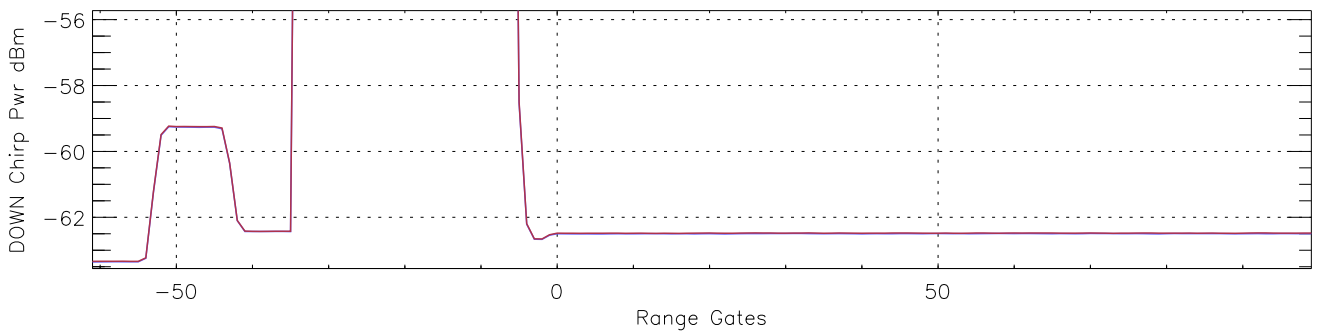
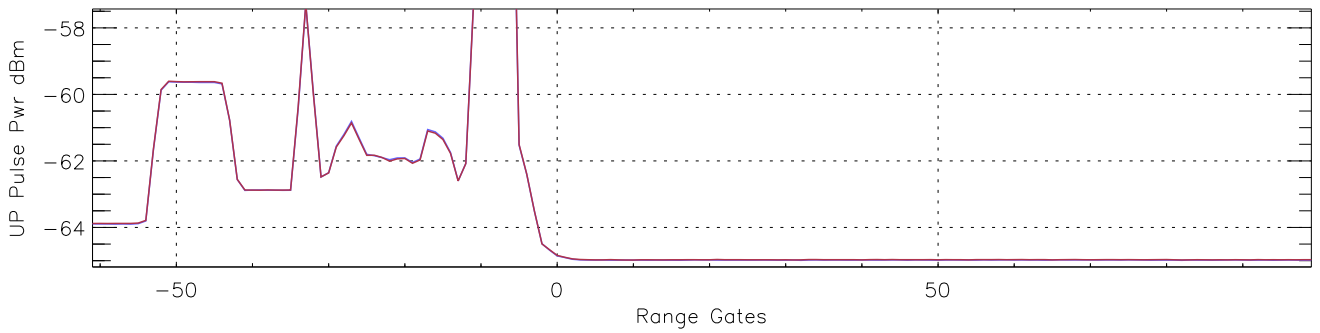
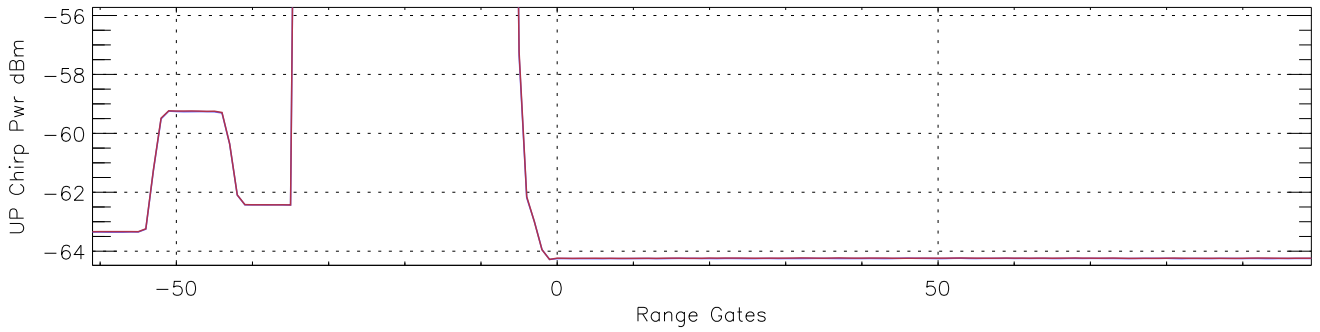


KPR SPP "Best" PPMAG noise (dBm):

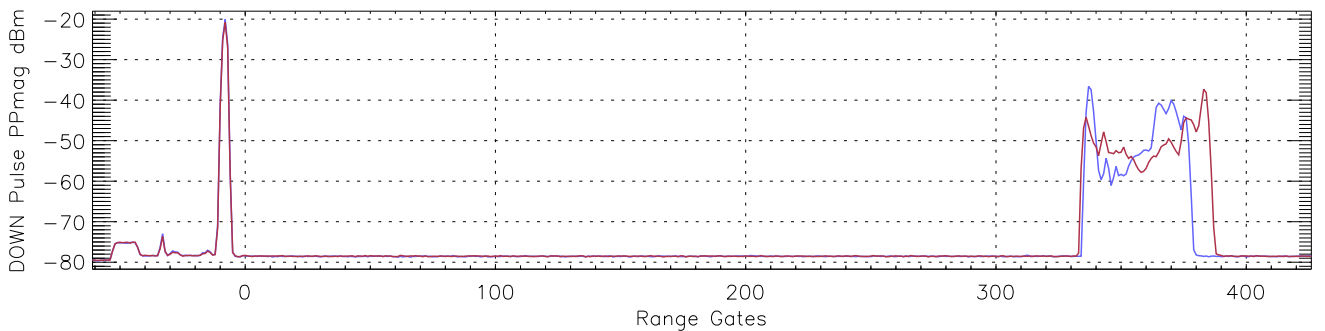
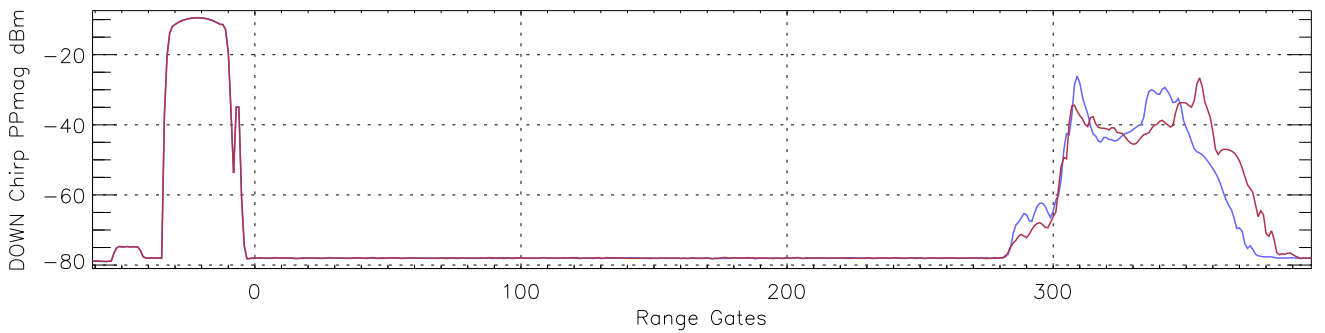
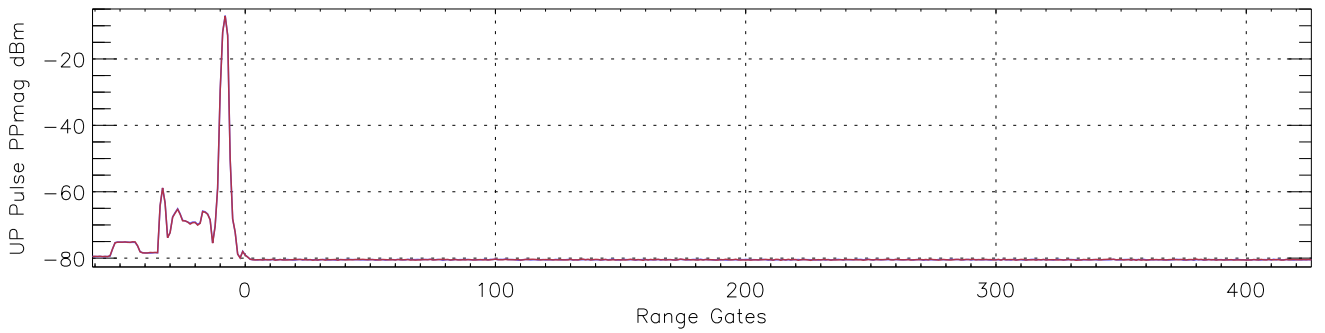
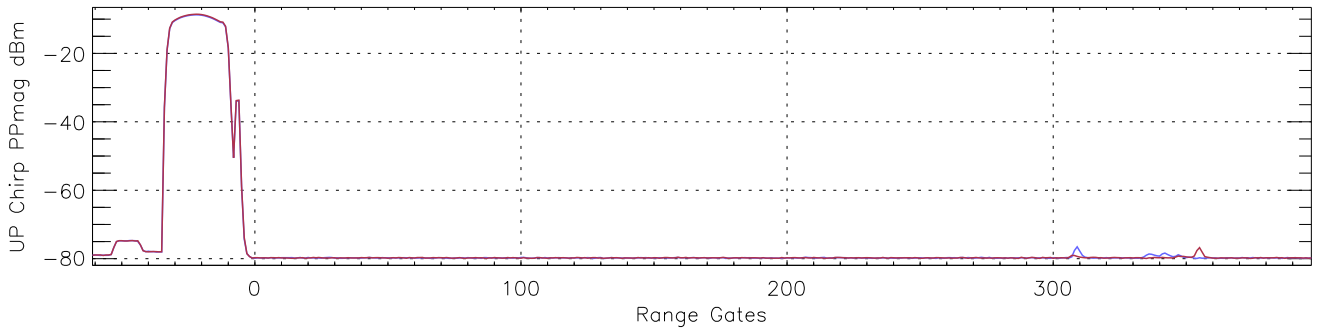
	Min	Max	Mean	Median	StDev
UP_C_RG392_0	-99.78	-74.14	-79.78	-80.11	-82.48
UP_P_RG82_0	-103.28	-75.82	-80.57	-80.78	-83.42
DOWN_C_RG22_0	-100.30	-73.26	-77.97	-78.26	-80.86
DOWN_P_RG222_0	-96.61	-73.44	-78.52	-78.75	-81.29



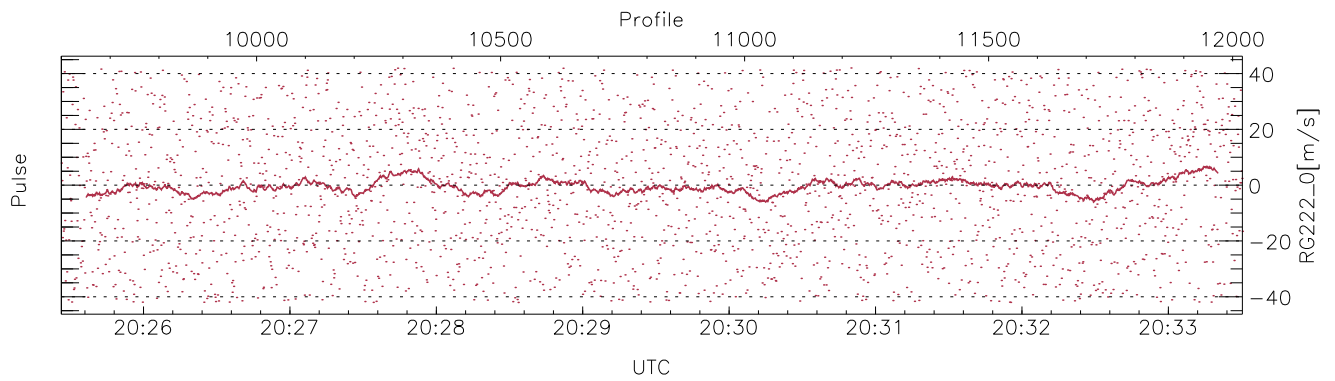
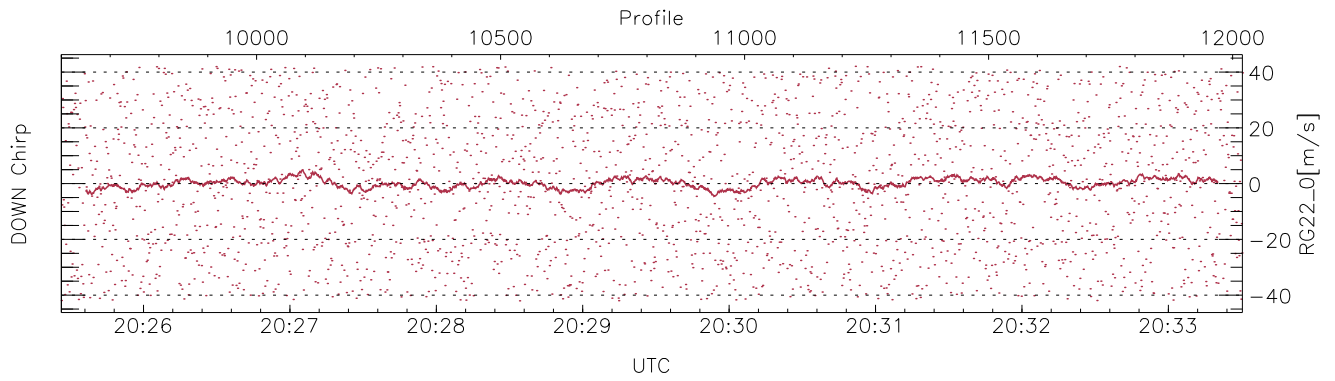
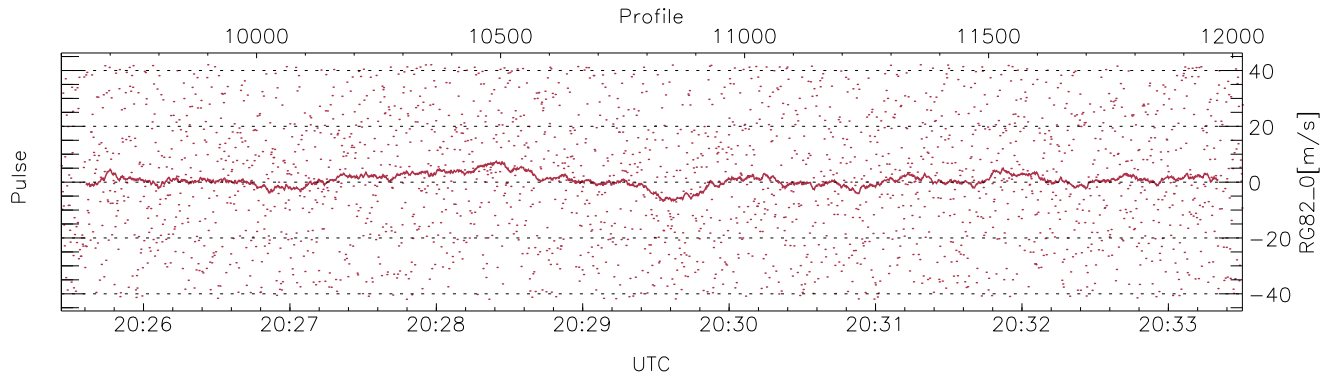
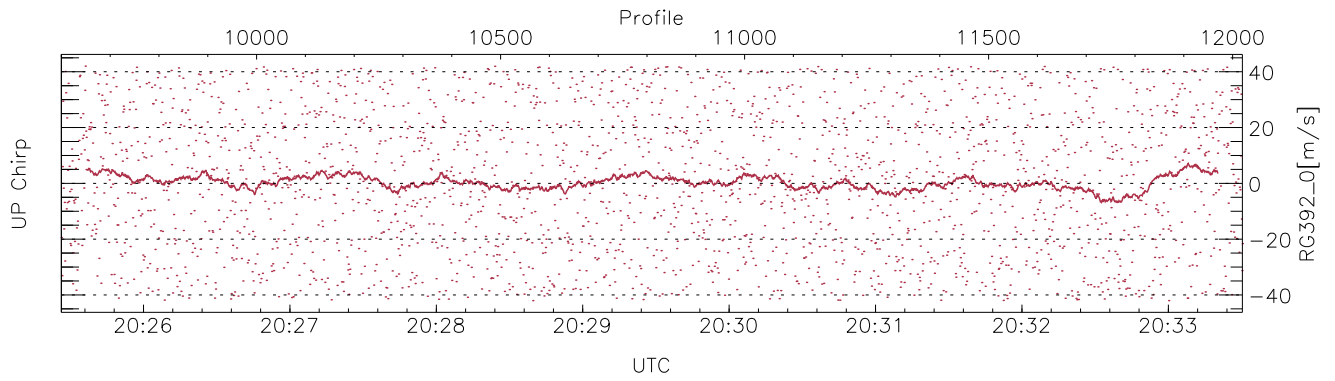
KPR SPP Averaged Received power for all recorded gates
blue: 202526-202928, 1211 profiles averaged
red: 202928-203330, 1211 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 202526-202928, 1211 profiles averaged
red: 202928-203330, 1211 profiles averaged

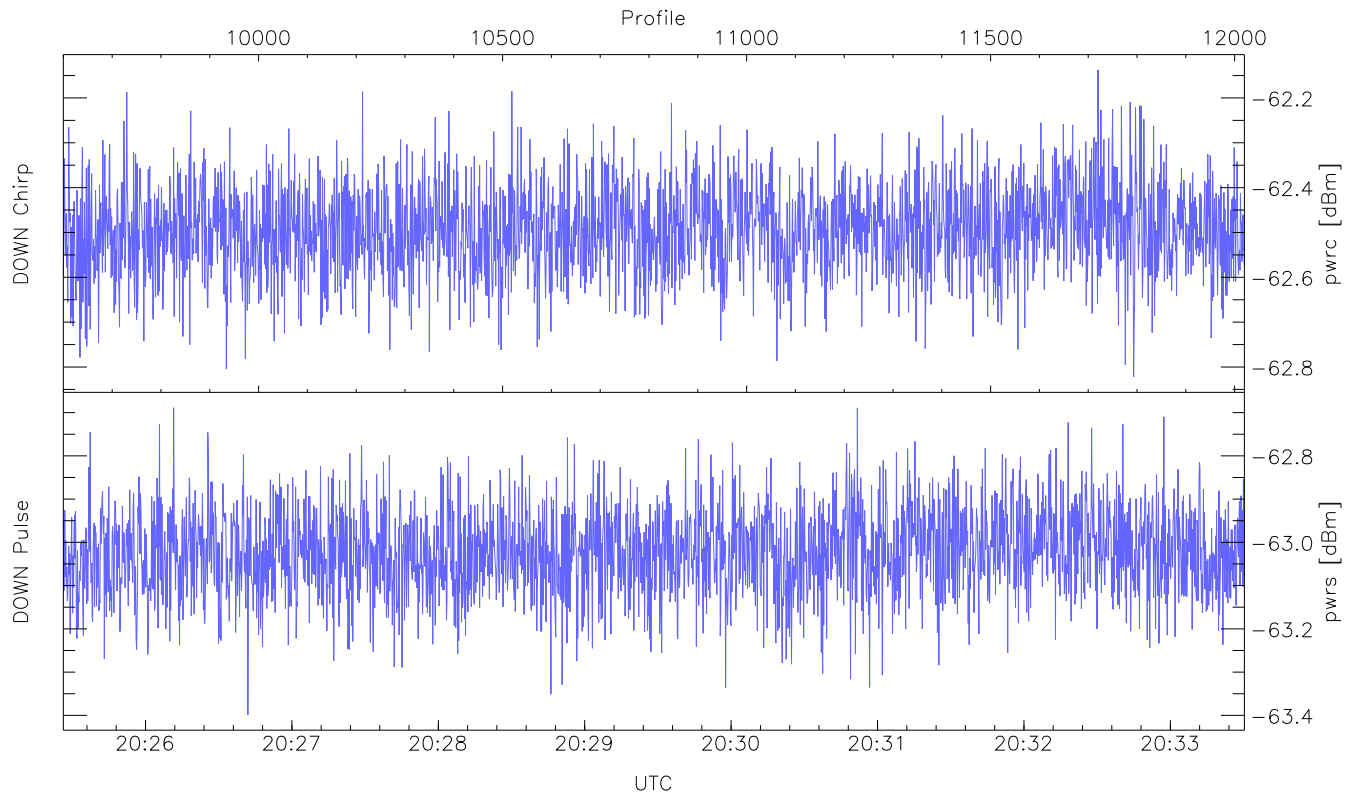
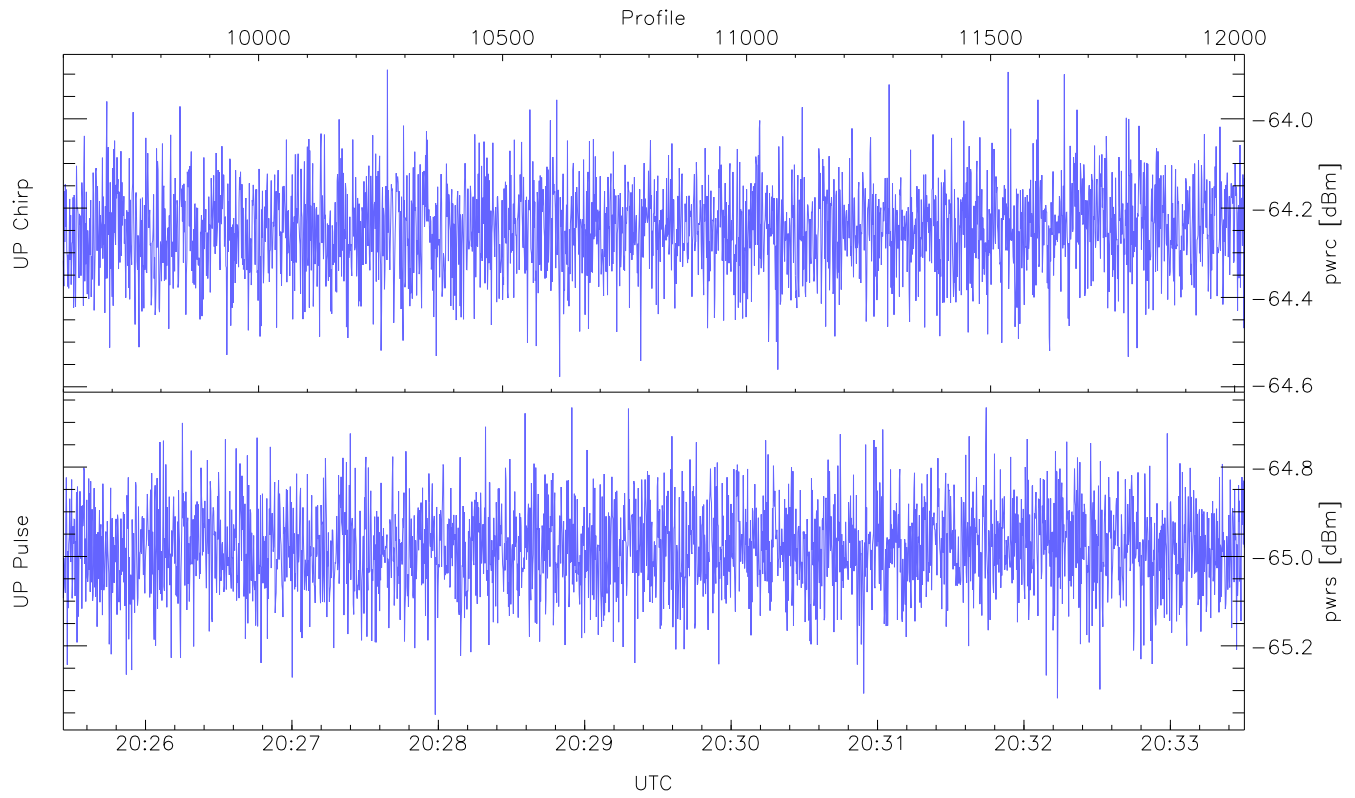


KPR SPP Averaged PP magnitude for all recorded gates
blue: 202526-202928, 1211 profiles averaged
red: 202928-203330, 1211 profiles averaged



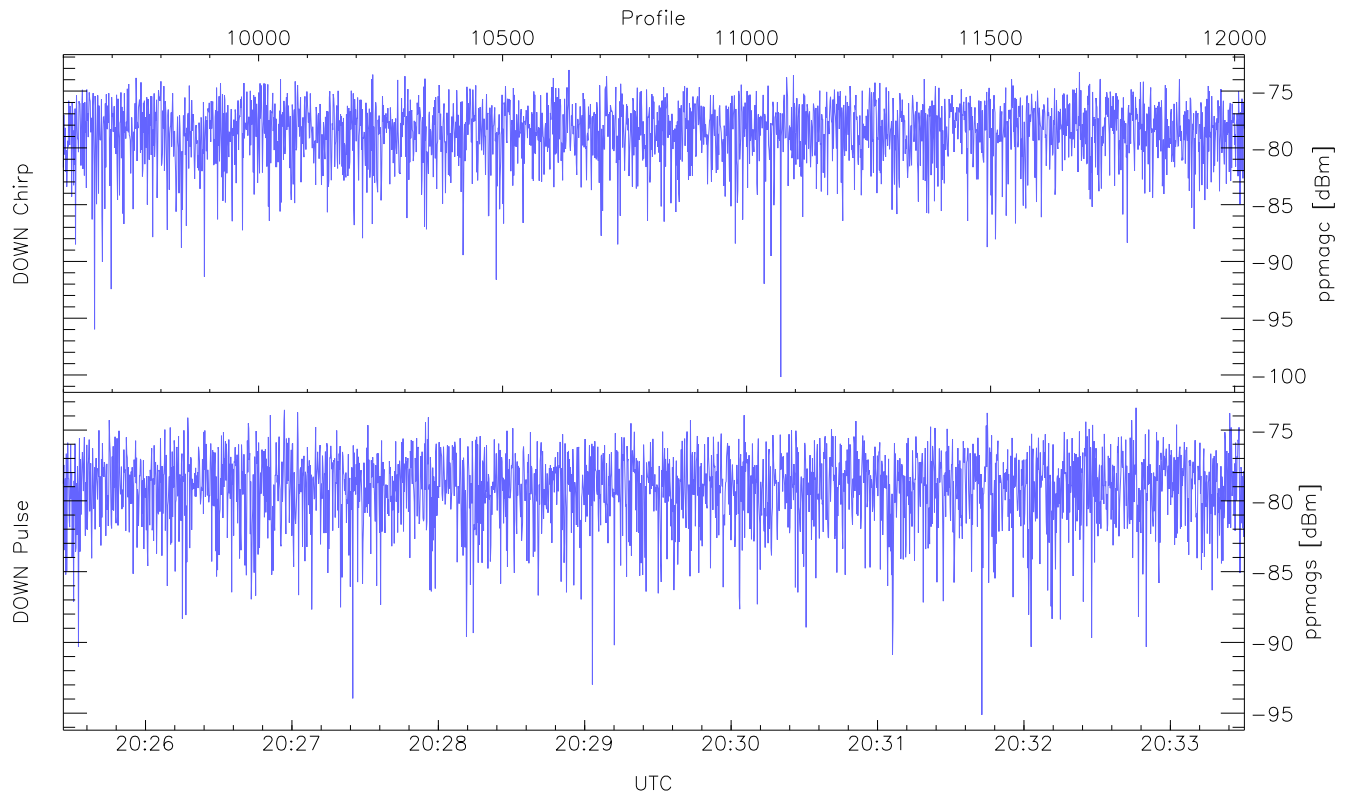
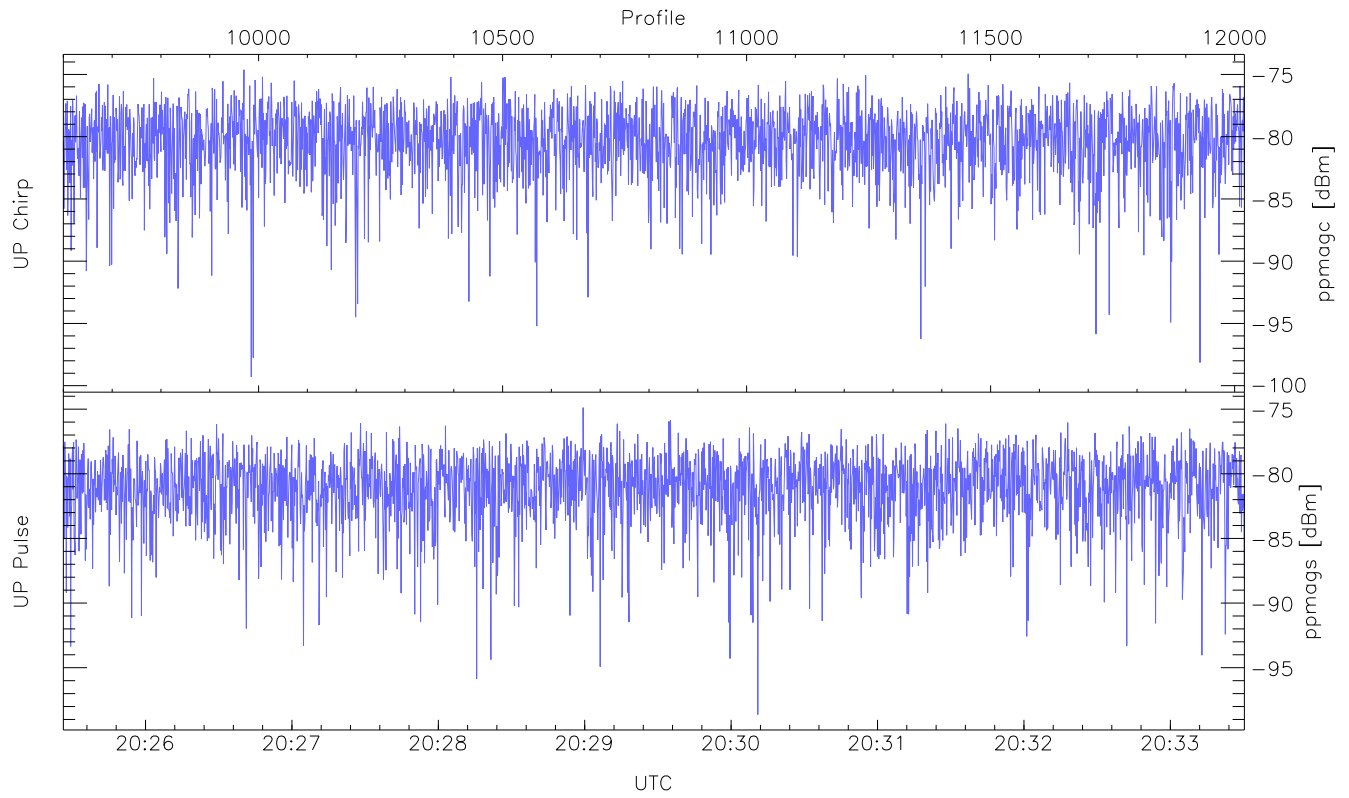
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG392_0	-42.05	42.02	0.34	0.39	24.36
UP_P_RG82_0	-41.95	42.06	0.57	0.64	22.96
DOWN_C_RG22_0	-42.04	42.05	0.06	0.56	24.13
DOWN_P_RG222_0	-42.04	42.02	-0.48	-0.10	23.12



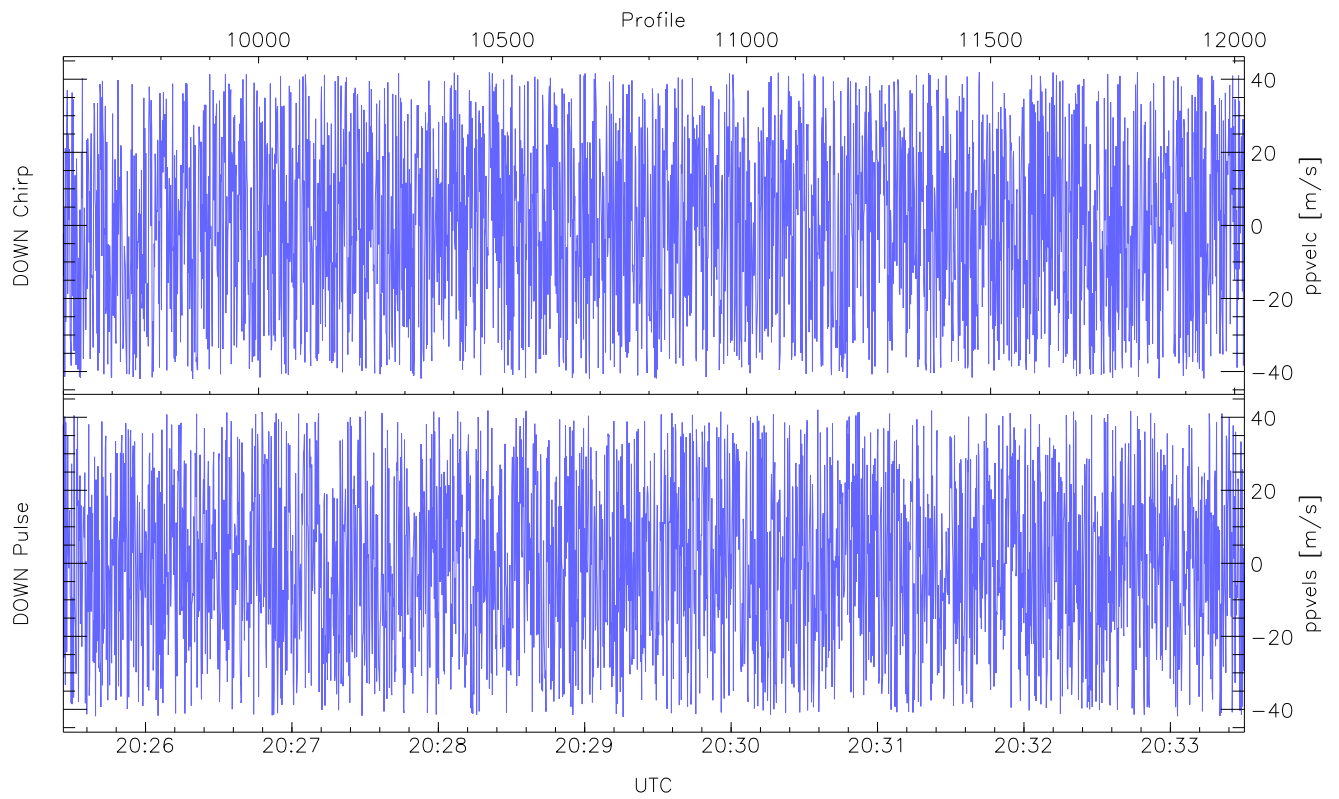
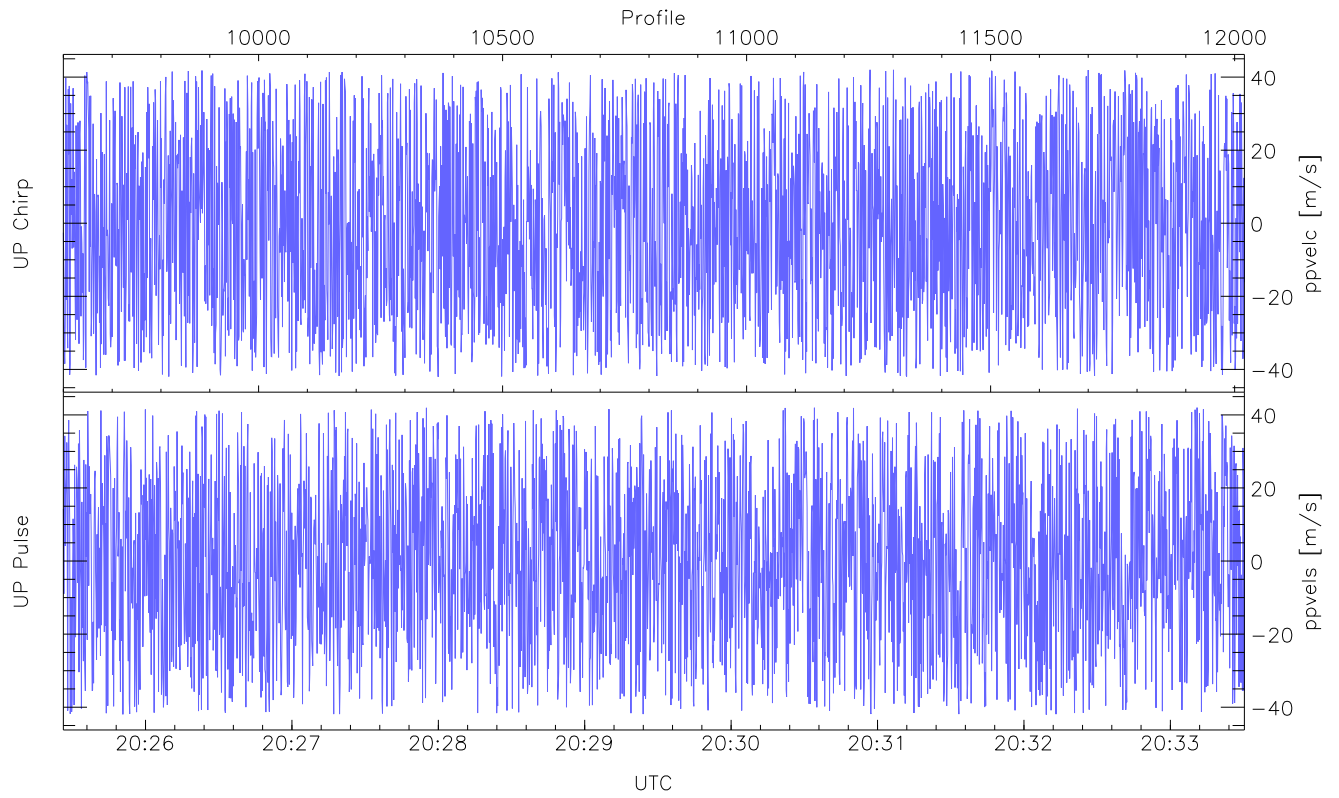
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-64.58	-63.89	-64.25
UP Pulse(dBm)	-65.35	-64.67	-64.98
DOWN Chirp(dBm)	-62.82	-62.14	-62.49
DOWN Pulse(dBm)	-63.40	-62.69	-63.02



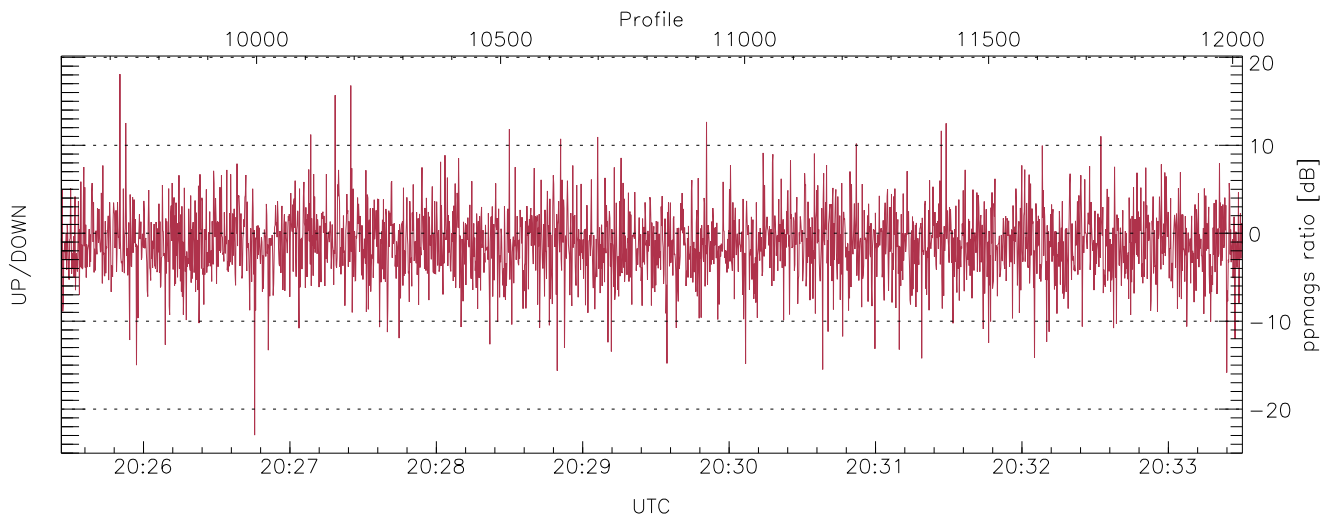
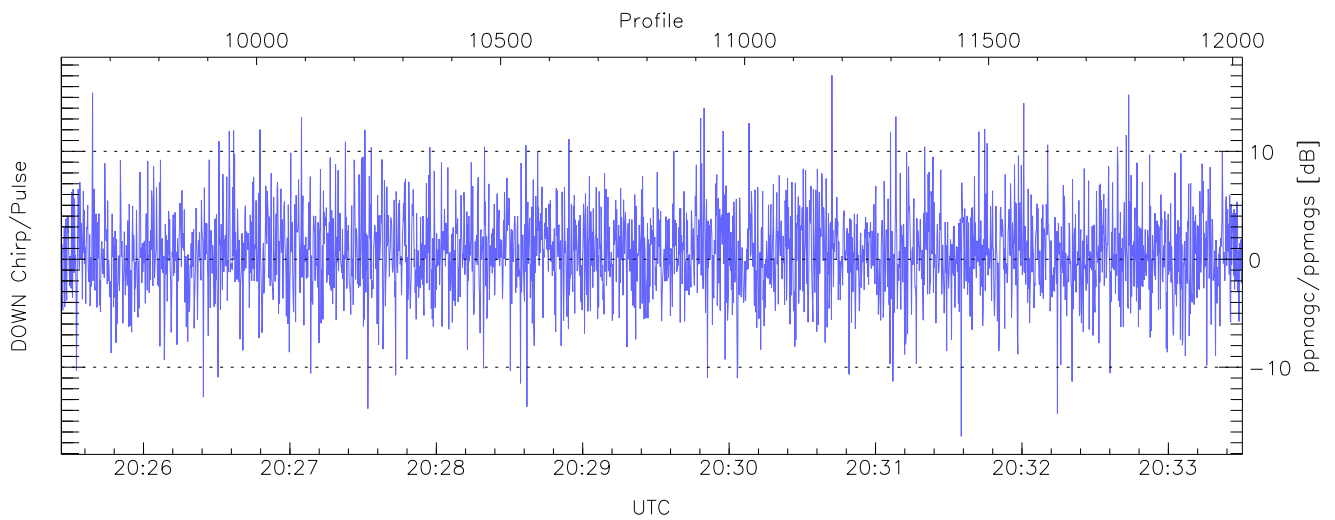
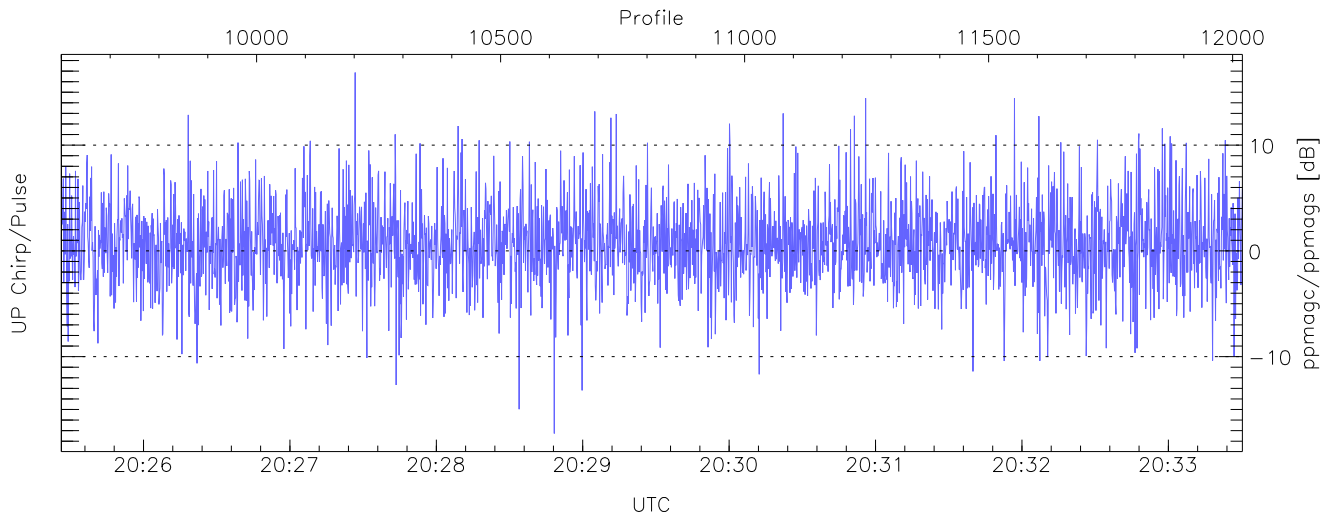
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-99.29	-74.63	-79.74
UP Pulse(dBm)	-98.63	-74.88	-80.48
DOWN Chirp(dBm)	-100.18	-73.14	-77.99
DOWN Pulse(dBm)	-95.12	-73.42	-78.51



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)	-42.03	42.01	-0.86
UP Pulse(m/s)	-42.02	42.01	-0.26
DOWN Chirp(m/s)	-42.05	41.98	0.19
DOWN Pulse(m/s)	-42.04	42.06	-0.36



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-17.27	16.87	2.57
DOWN Chirp/Pulse(dBm)	-16.40	17.05	2.47
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-22.96	18.10	0.74