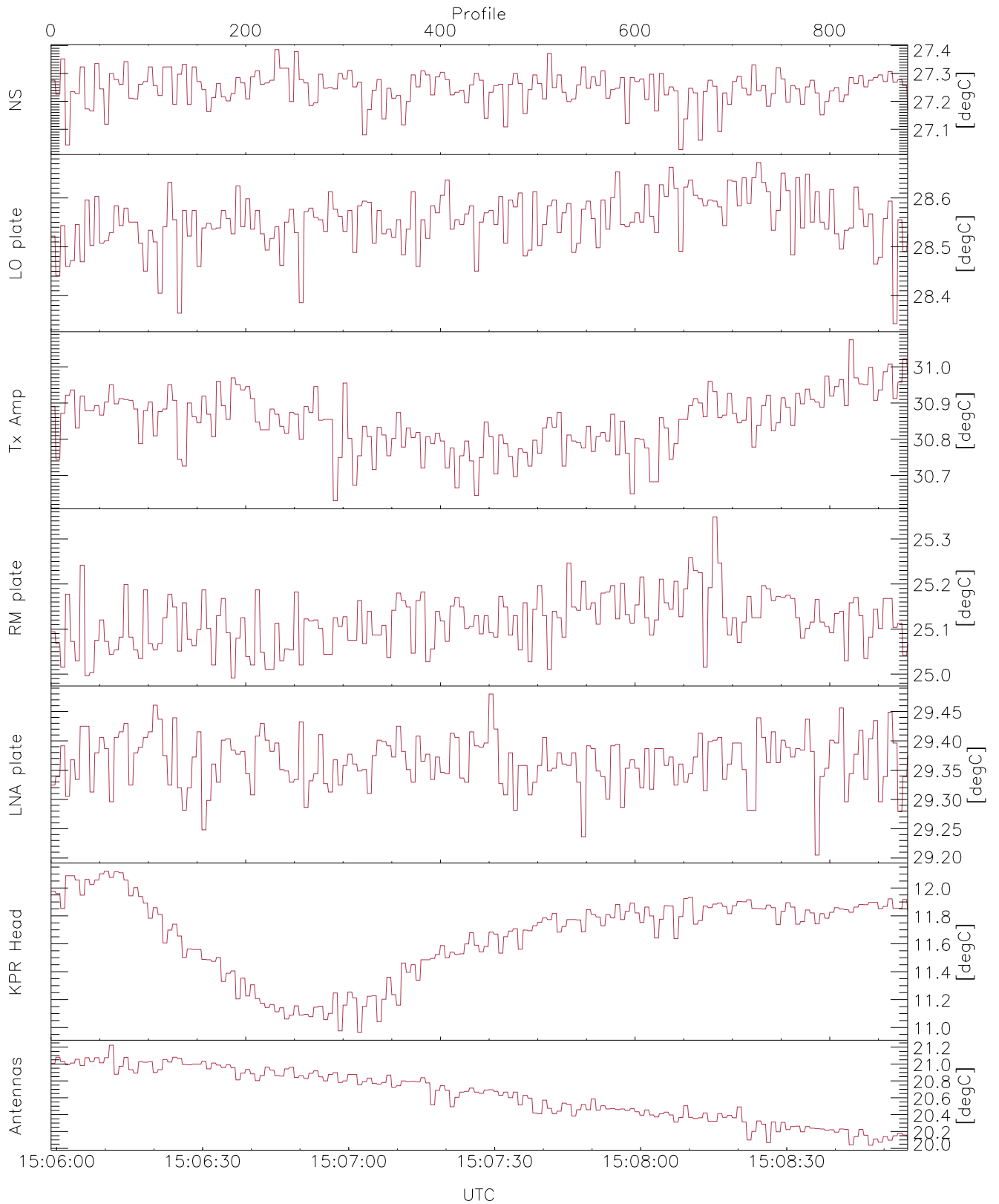


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 15:05:59-15:08:55, TimeCor: 0.00s, Dur: 176.00s
 TimeInt(min,max,mn,std): 189.4,210.6,200.0,1.3 ms; PPS: 5.0
 NumRec(r/t): 881/881, 0-880/15:05:59-15:08:55
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.8 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 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, 6502 m, Gates: 399
 RangeGateSampling: 15.0 m, Aspect: 0.8

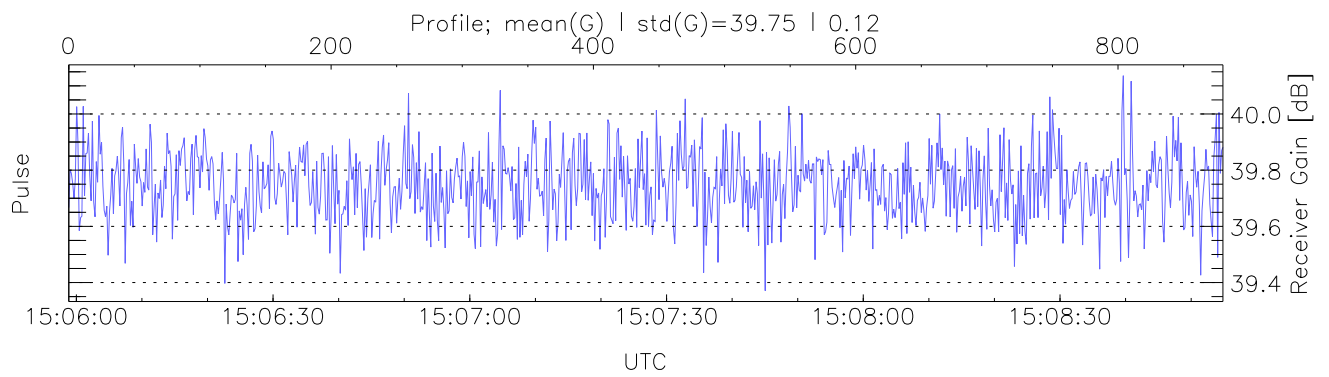
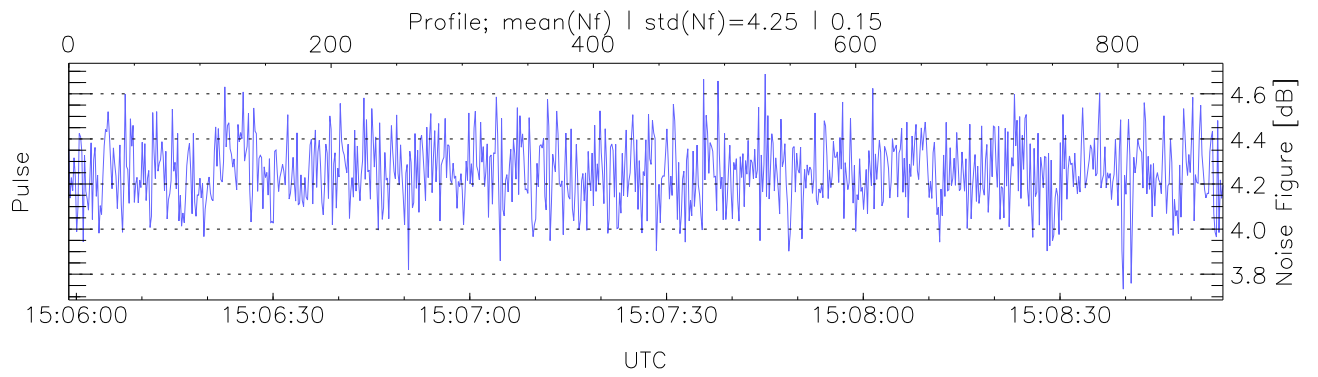
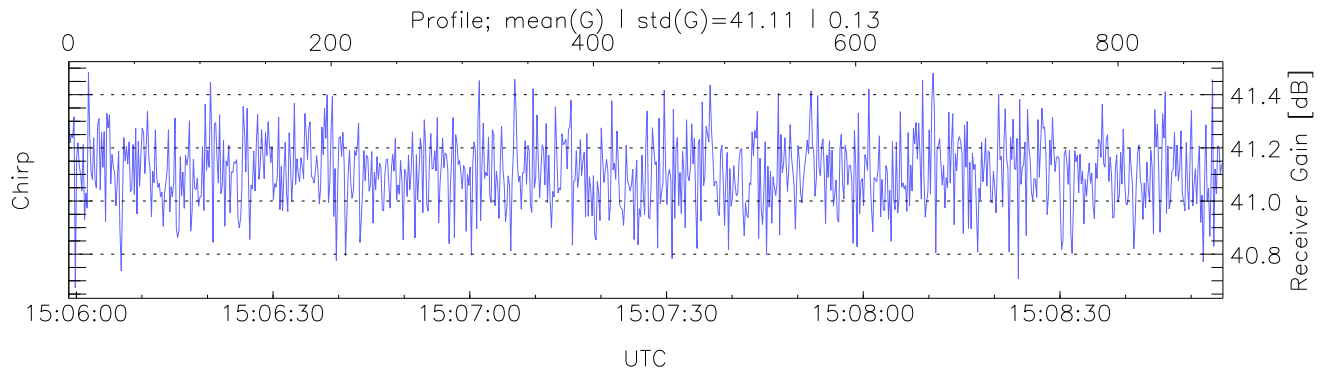
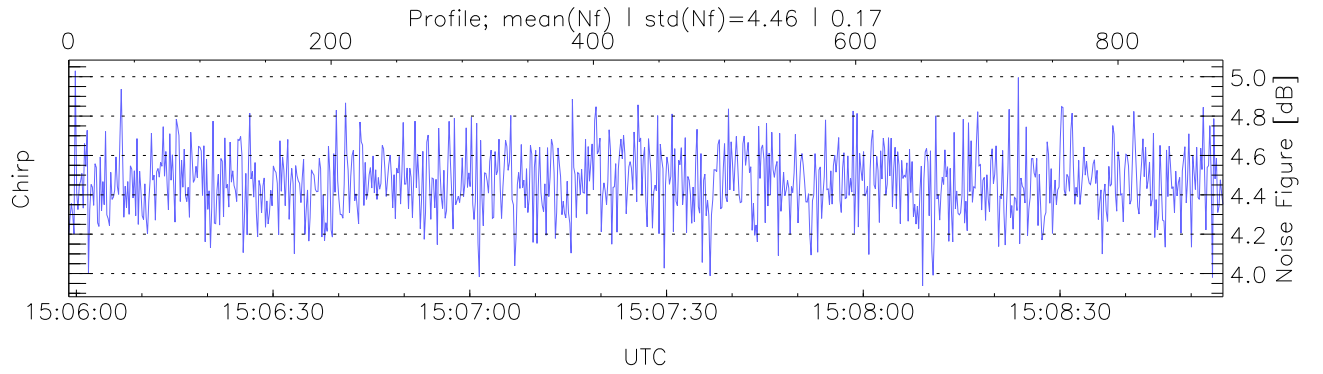


KPR SPP Temperatures, Power Supplies, PLO lock:

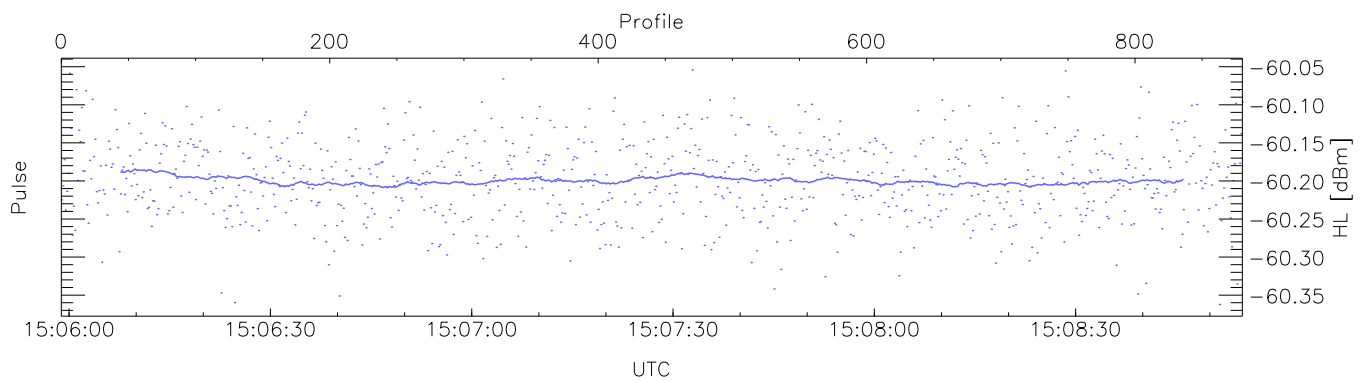
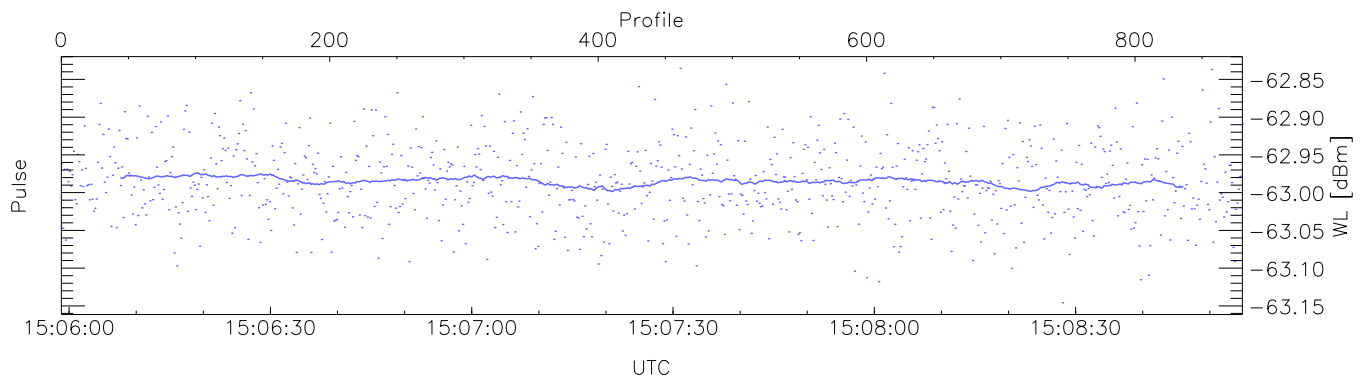
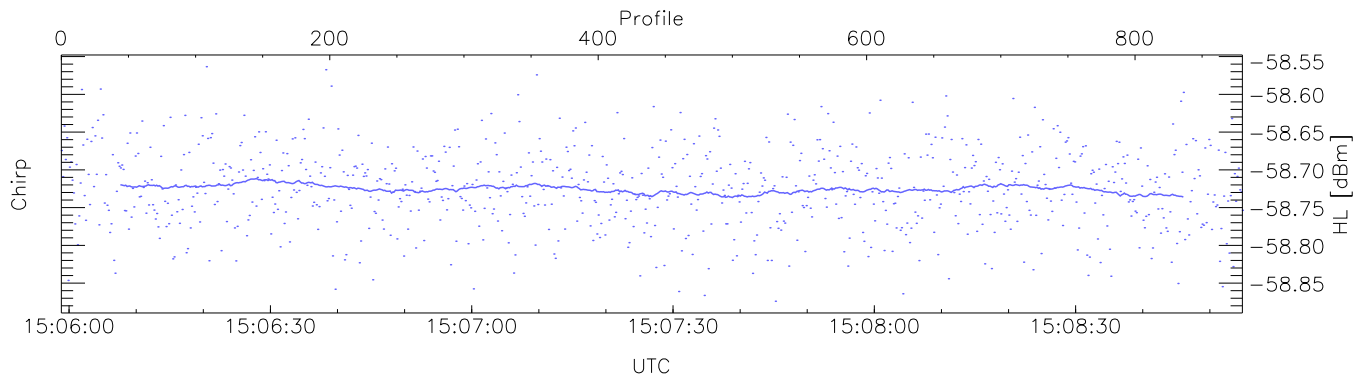
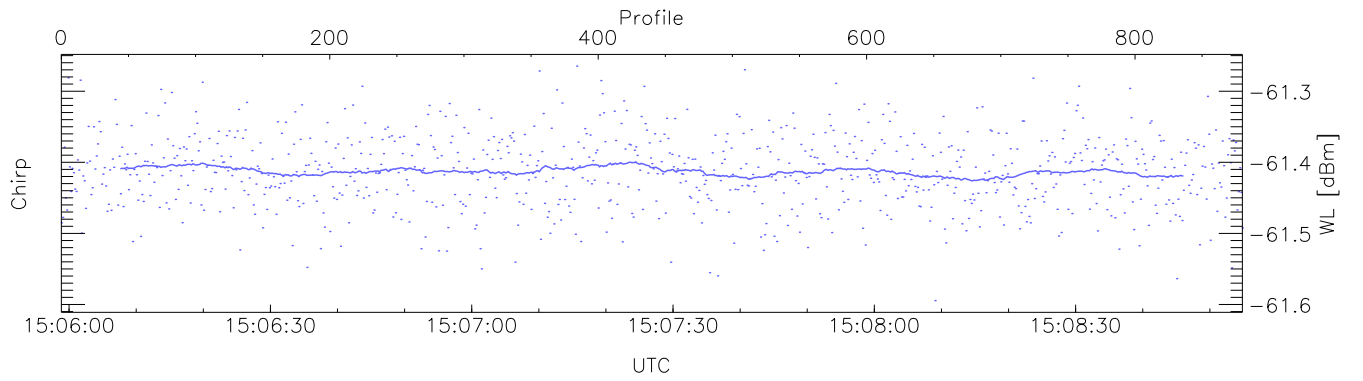
mintempC: 27.0, 28.3, 30.6, 25.0, 29.2, 11.0, 20.0
 maxtempC: 27.4, 28.7, 31.1, 25.3, 29.5, 12.1, 21.2

minVDC: 26.29, 11.72, 7.84, 5.21
 maxVDC: 27.64, 11.76, 7.87, 5.23

PLO(3.84,15.84 GHz) unlocked: None

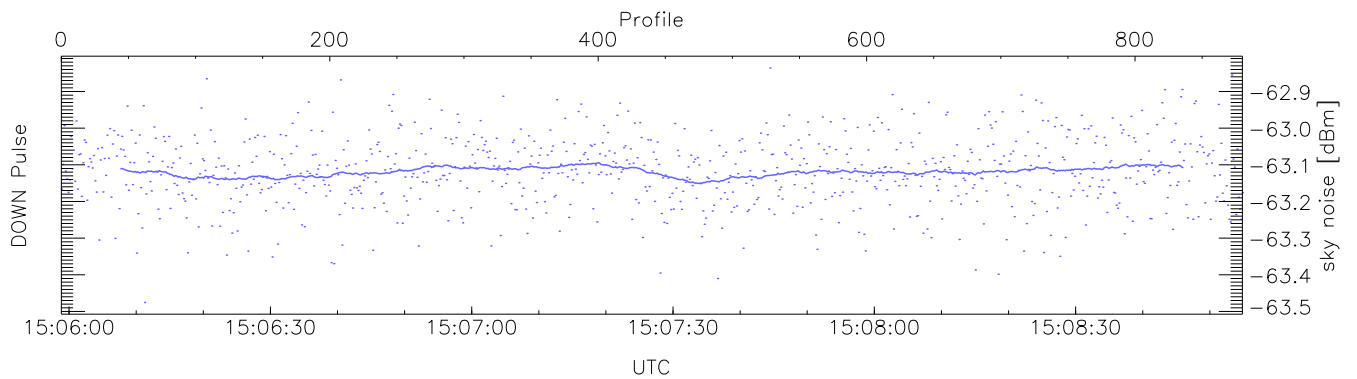
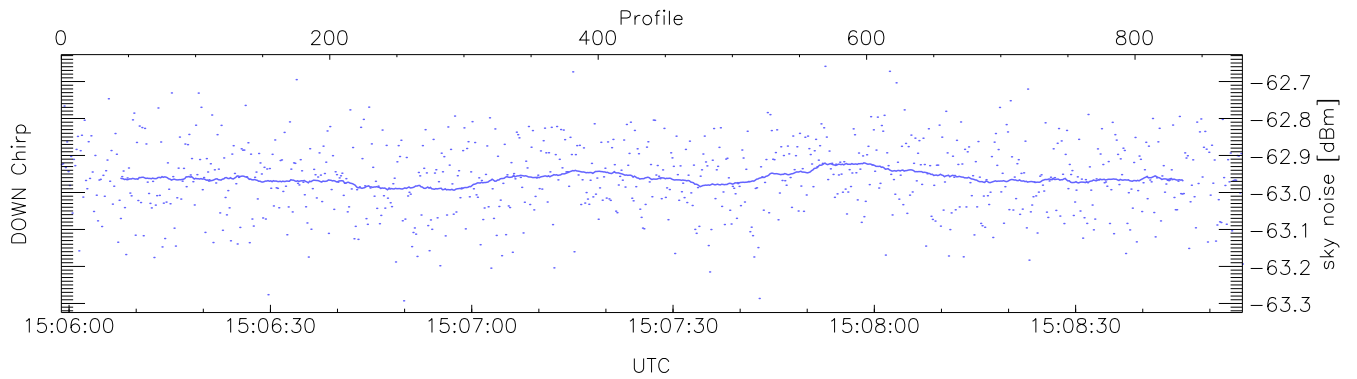
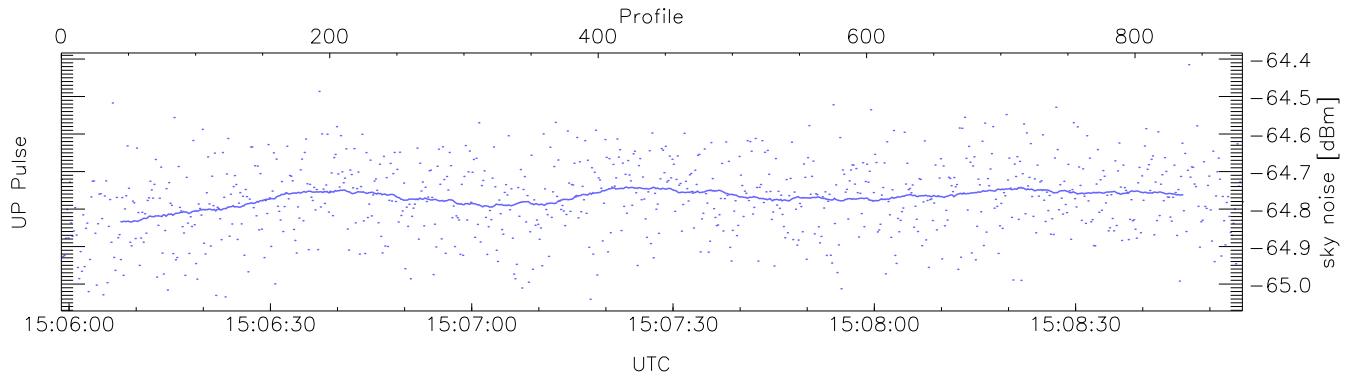
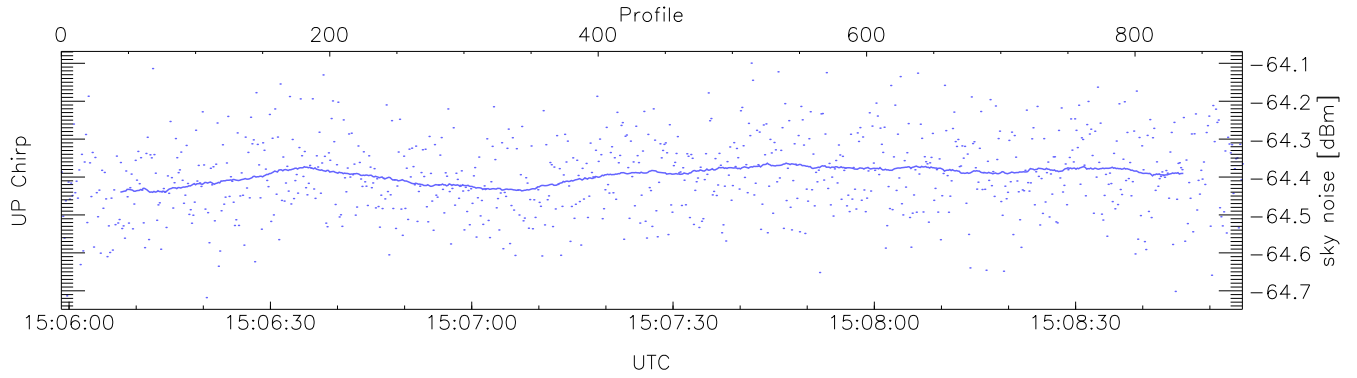


KPR SPP Receiver Gain and Noise Figure



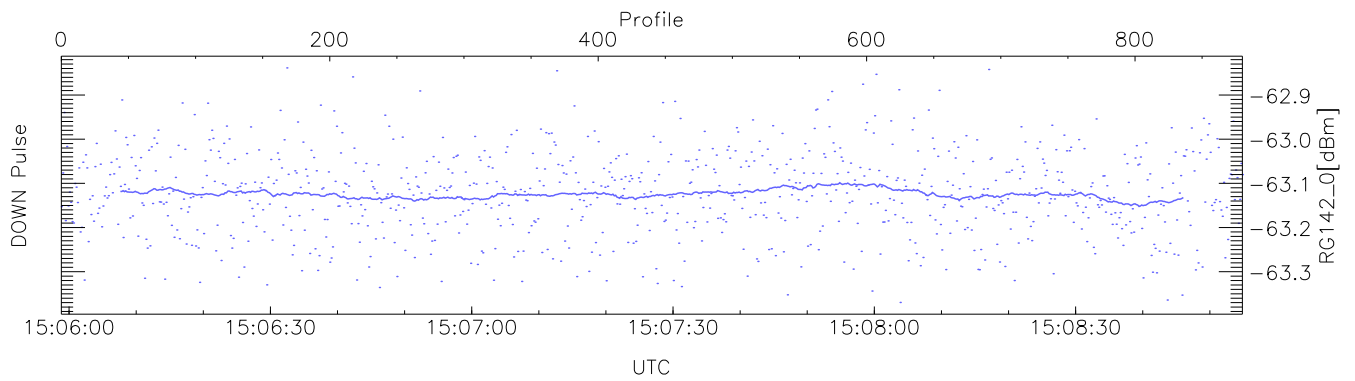
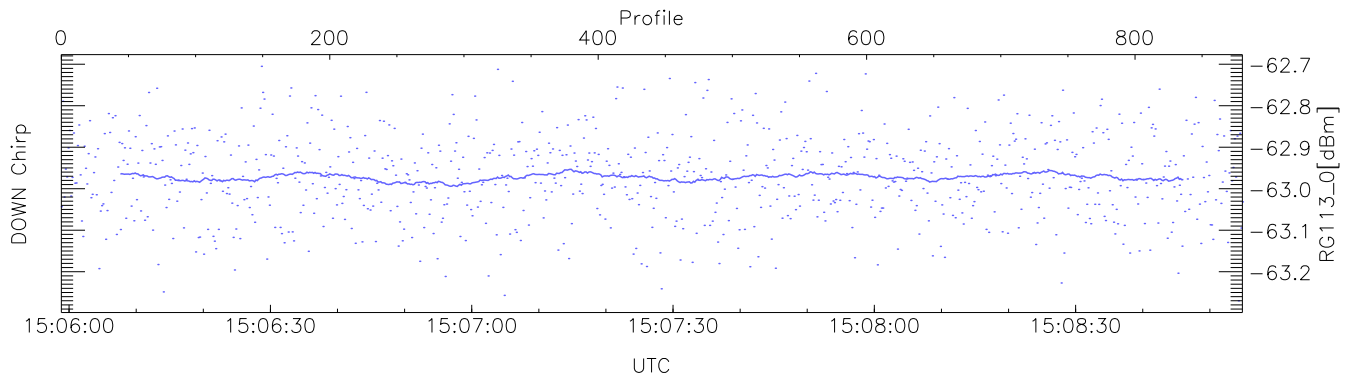
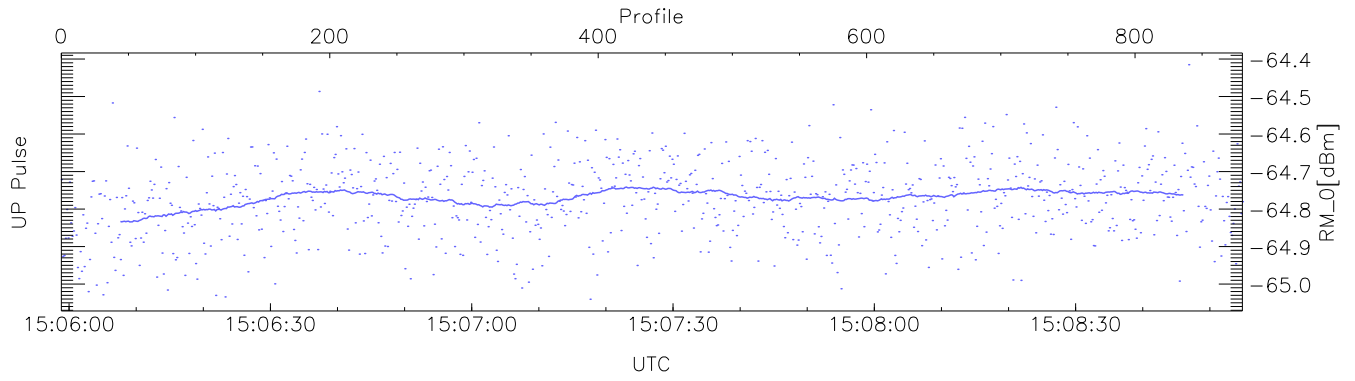
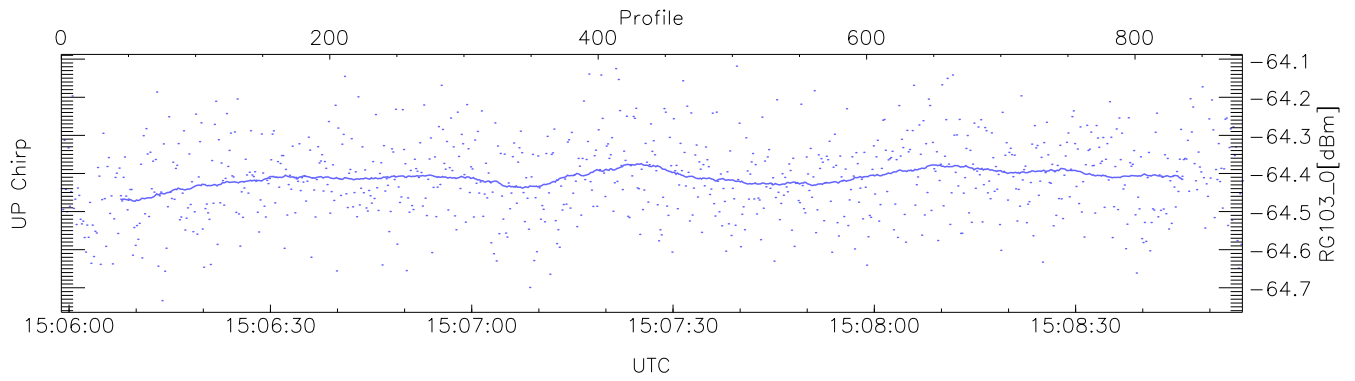
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-61.59	-61.26	-61.41	-61.41	-80.74
Chirp(HL [dBm])	-58.87	-58.56	-58.73	-58.73	-77.93
Pulse(WL [dBm])	-63.15	-62.84	-62.98	-62.99	-82.37
Pulse(HL [dBm])	-60.36	-60.05	-60.20	-60.20	-79.51



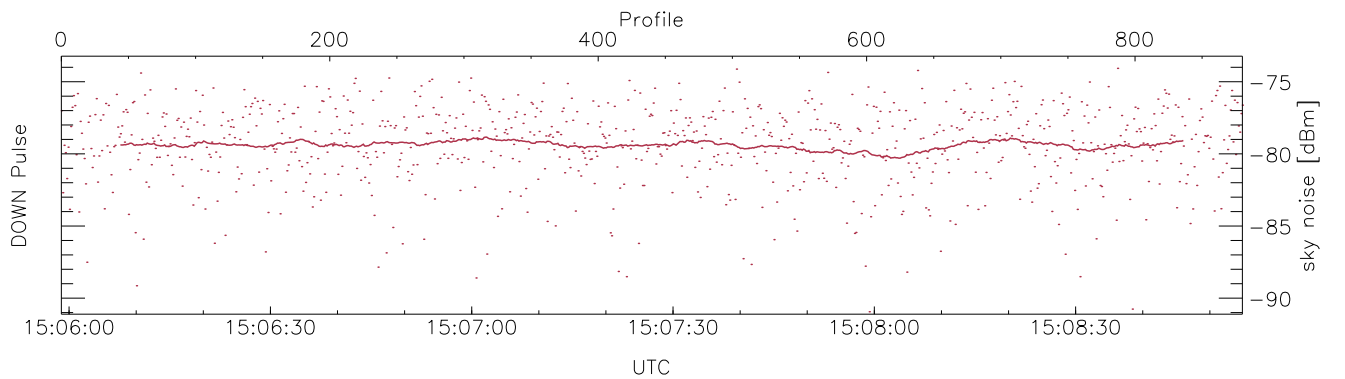
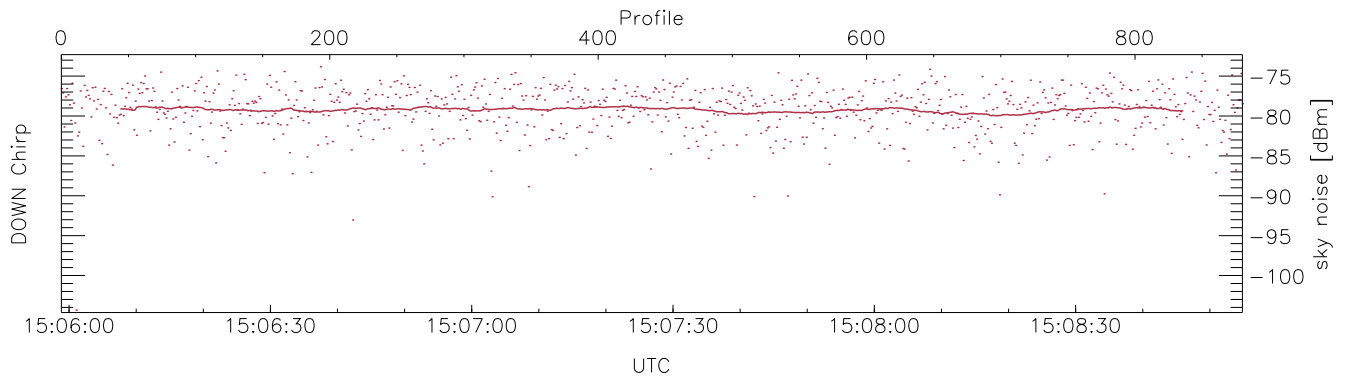
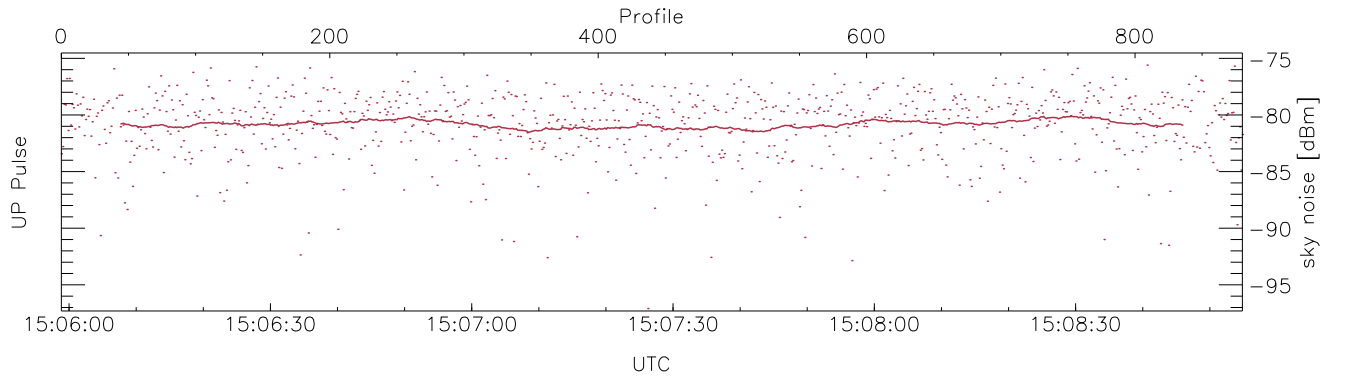
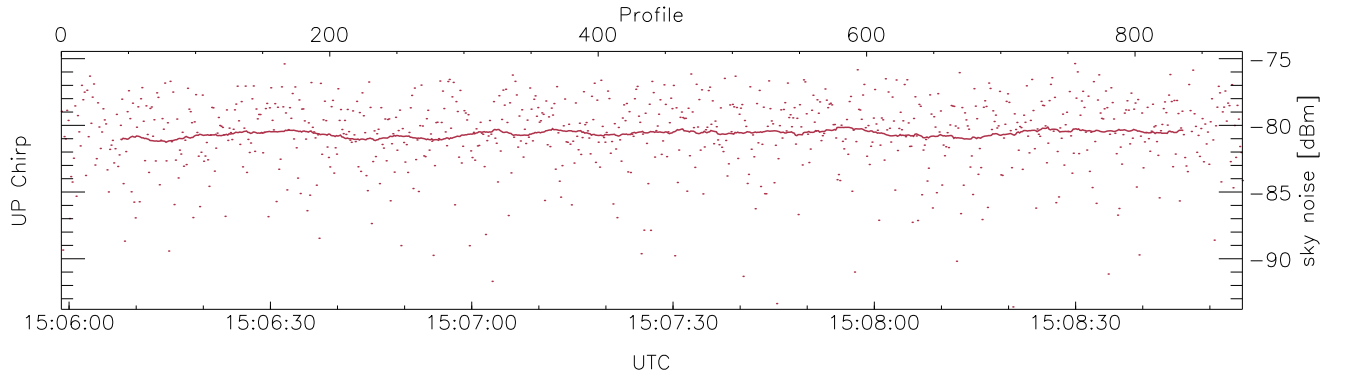
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.72	-64.10	-64.40	-64.40	-80.67
UP Pulse(dBm)	-65.04	-64.42	-64.77	-64.77	-81.17
DOWN Chirp(dBm)	-63.29	-62.66	-62.96	-62.96	-79.50
DOWN Pulse(dBm)	-63.48	-62.84	-63.12	-63.12	-79.79



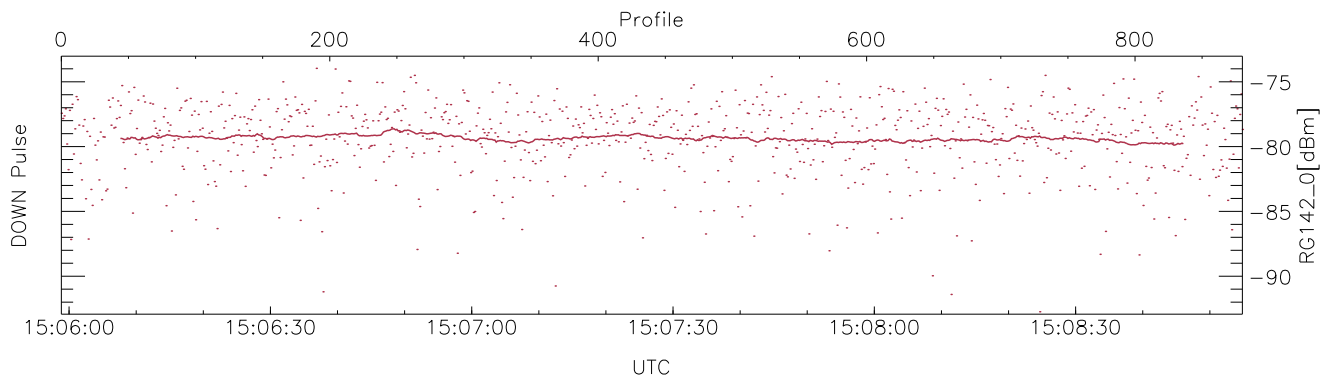
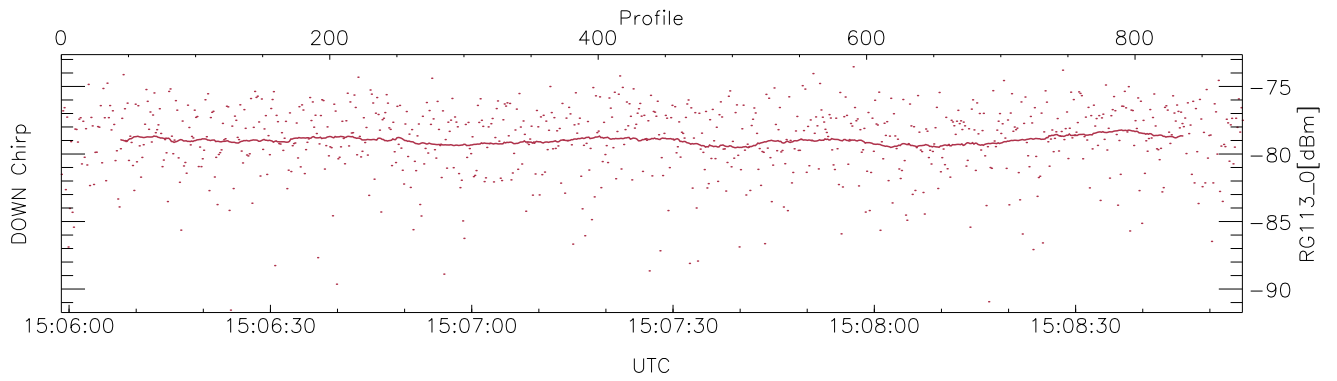
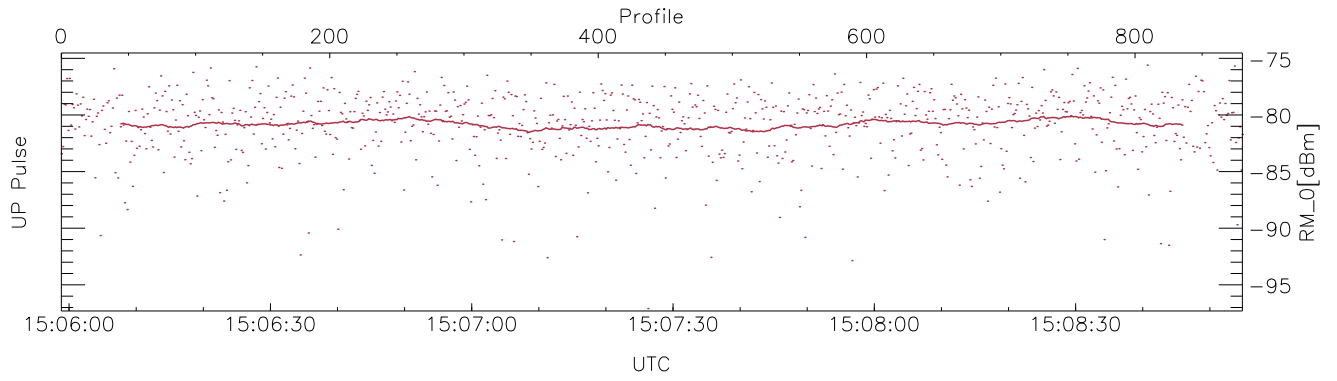
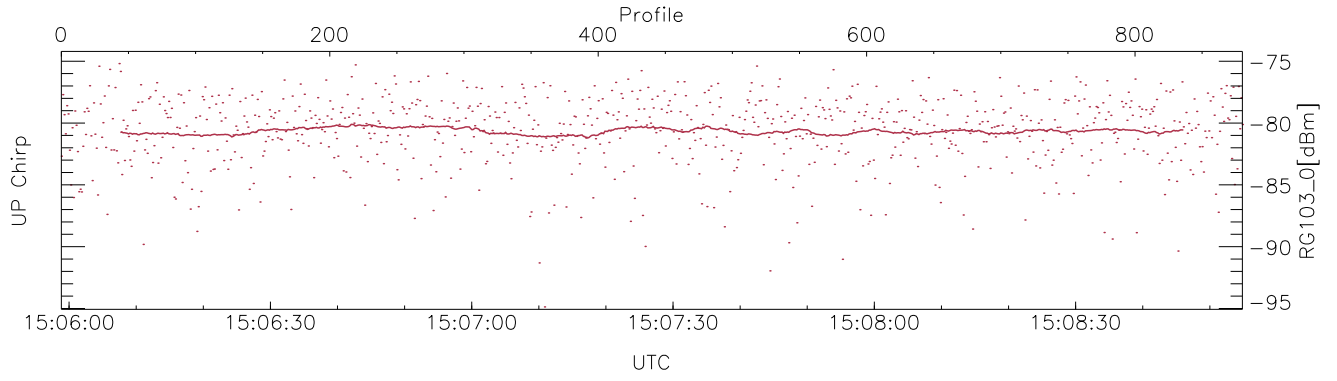
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG103_0	-64.73	-64.12	-64.41	-64.41	-80.63
UP_P_RM_0	-65.04	-64.42	-64.77	-64.77	-81.17
DOWN_C_RG113_0	-63.27	-62.71	-62.97	-62.97	-79.34
DOWN_P_RG142_0	-63.37	-62.84	-63.12	-63.12	-79.74



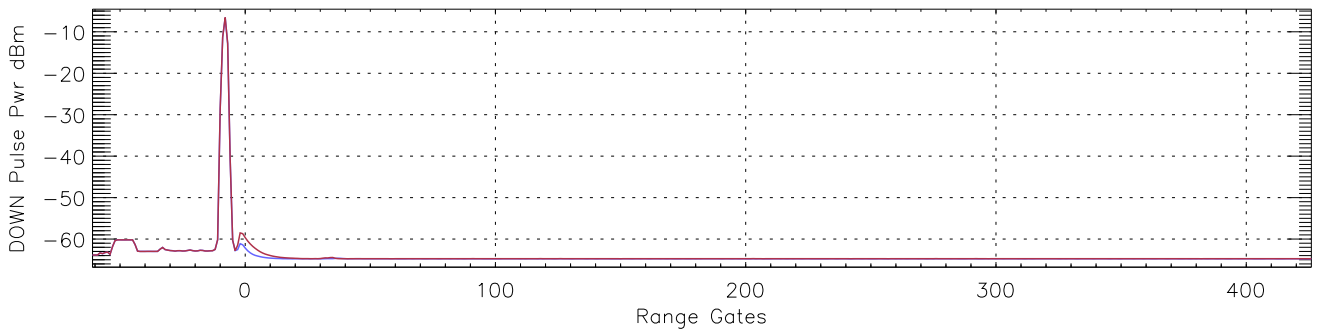
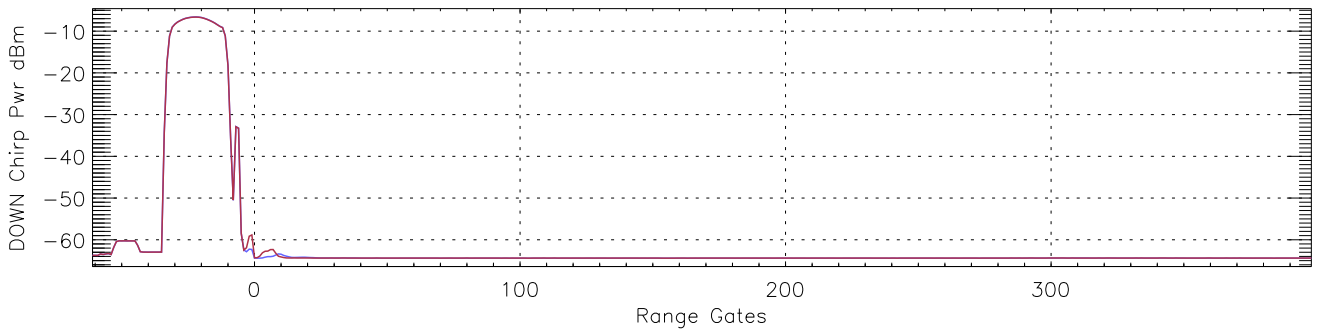
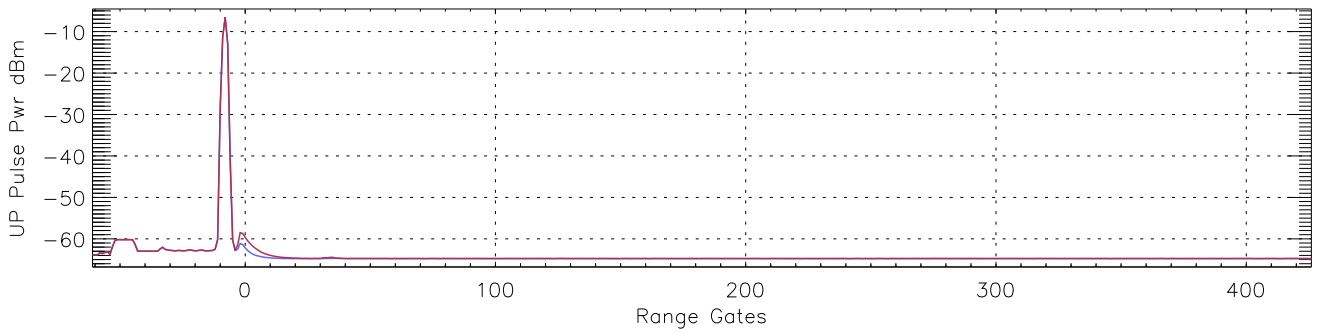
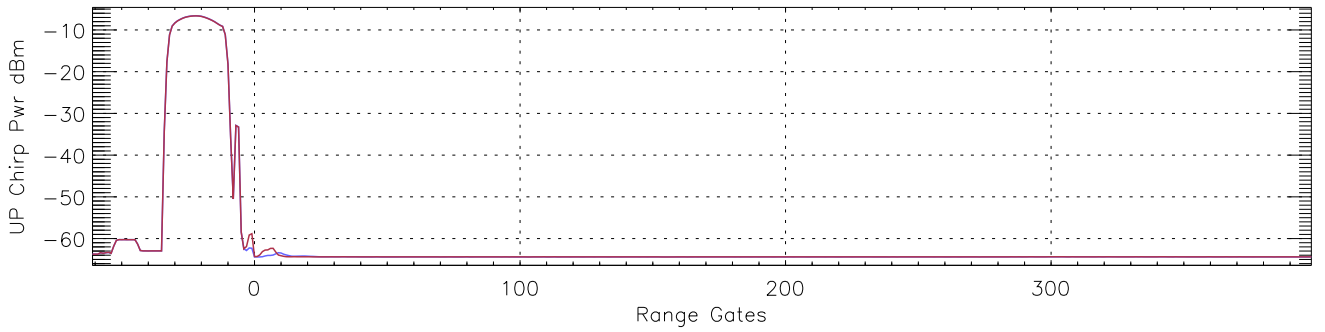
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-93.61	-75.37	-79.92	-80.20	-82.82
UP Pulse(dBm)	-97.09	-75.60	-80.09	-80.20	-82.98
DOWN Chirp(dBm)	-104.34	-73.83	-78.48	-78.80	-81.19
DOWN Pulse(dBm)	-90.94	-74.08	-78.67	-78.96	-81.45

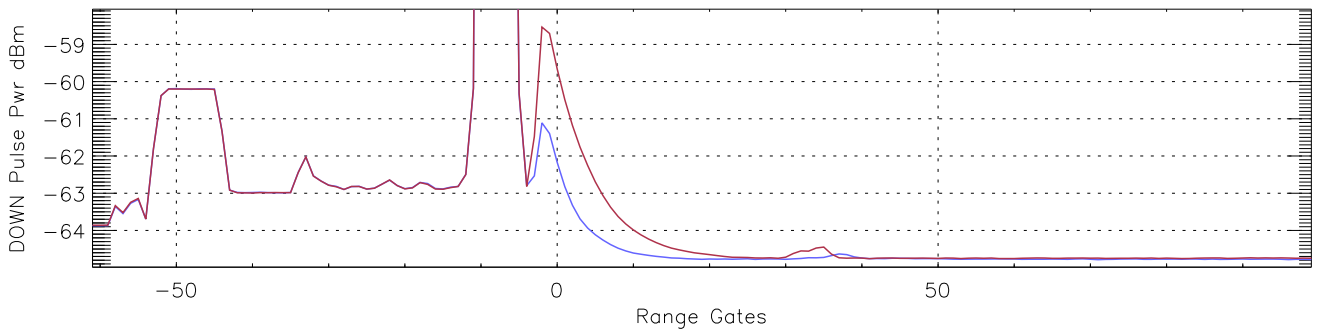
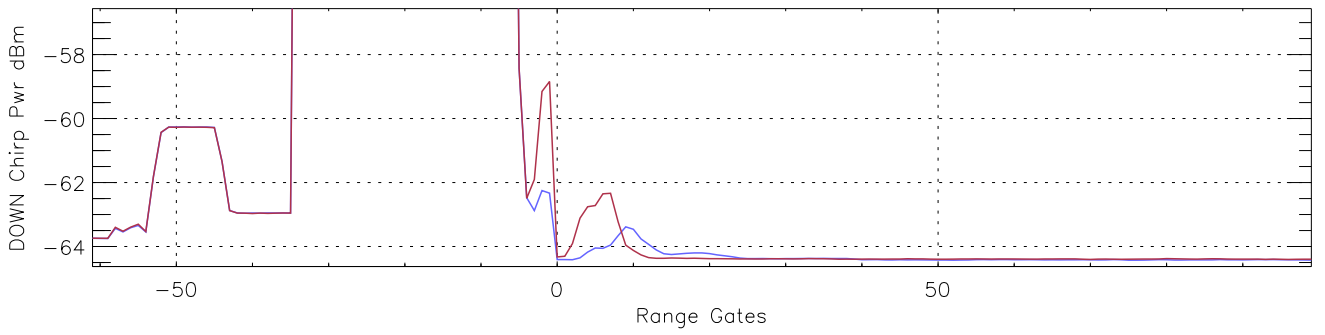
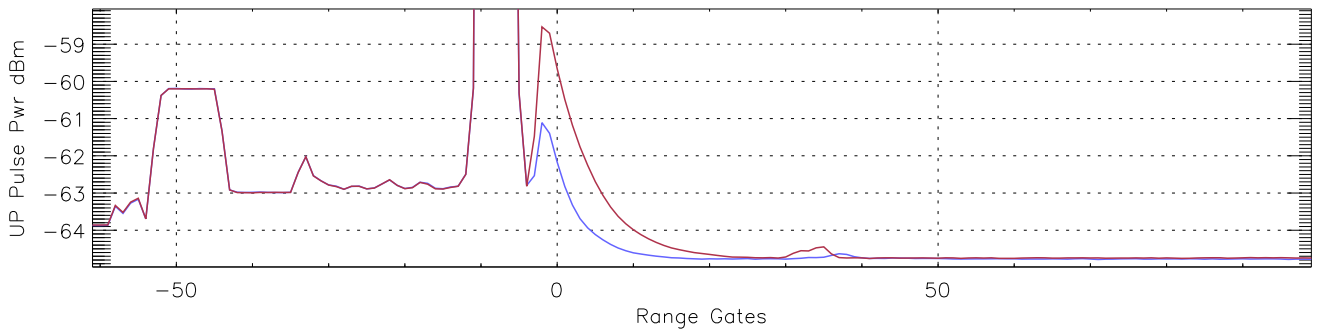
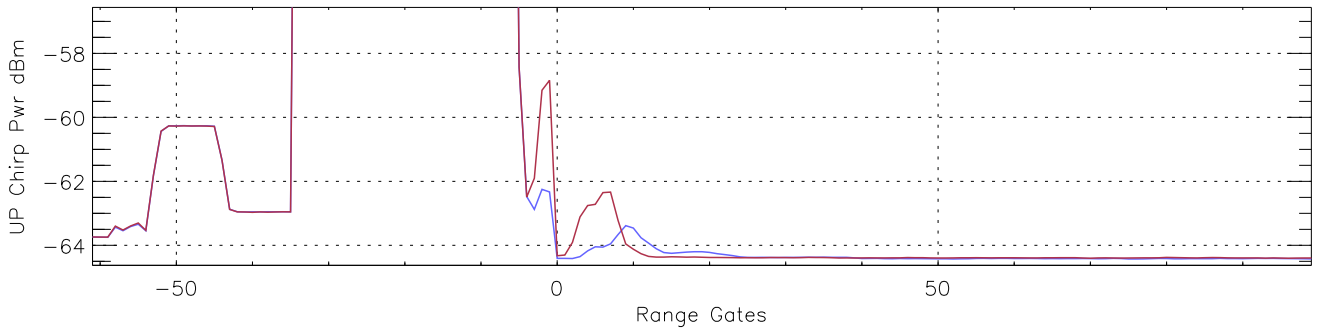


KPR SPP "Best" PPMAG noise (dBm):

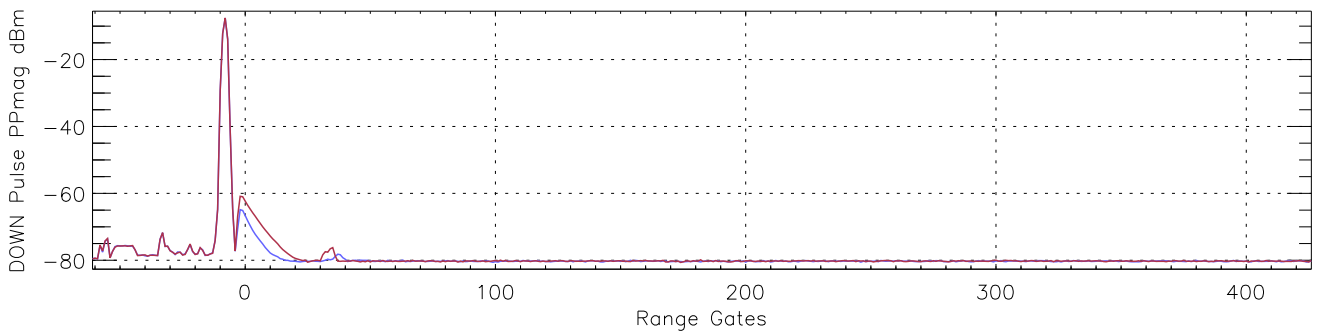
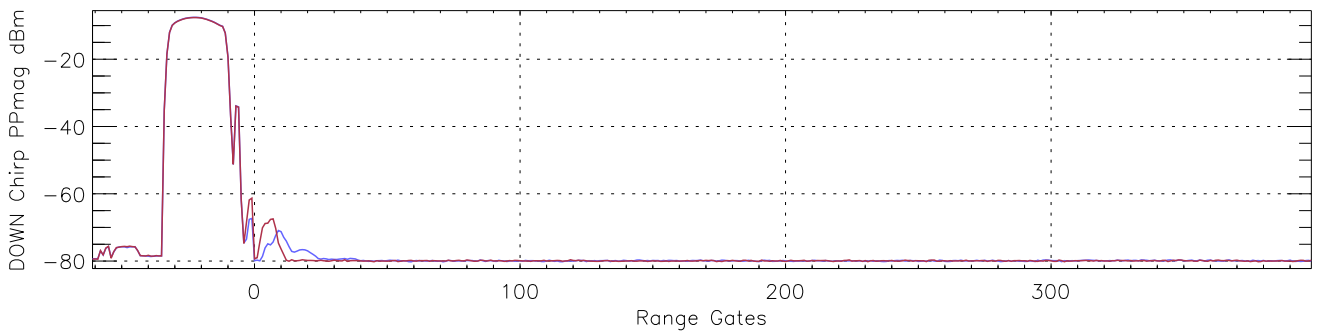
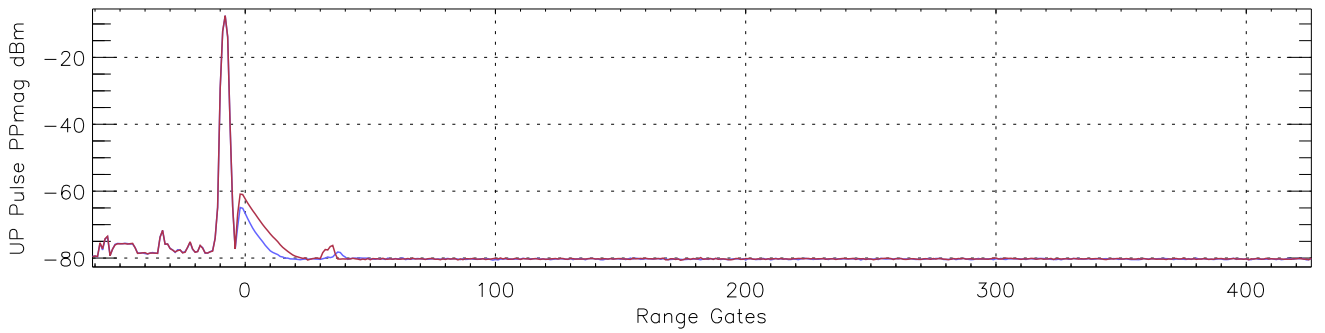
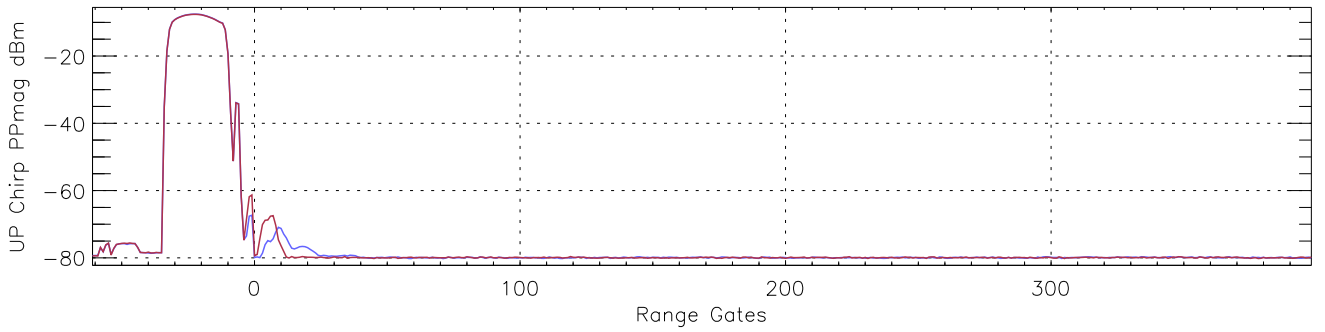
	Min	Max	Mean	Median	StDev
UP_C_RG103_0	-94.87	-75.19	-79.93	-80.26	-82.70
UP_P_RM_0	-97.09	-75.60	-80.09	-80.20	-82.98
DOWN_C_RG113_0	-91.56	-73.54	-78.32	-78.48	-81.33
DOWN_P_RG142_0	-92.74	-73.97	-78.66	-78.89	-81.51



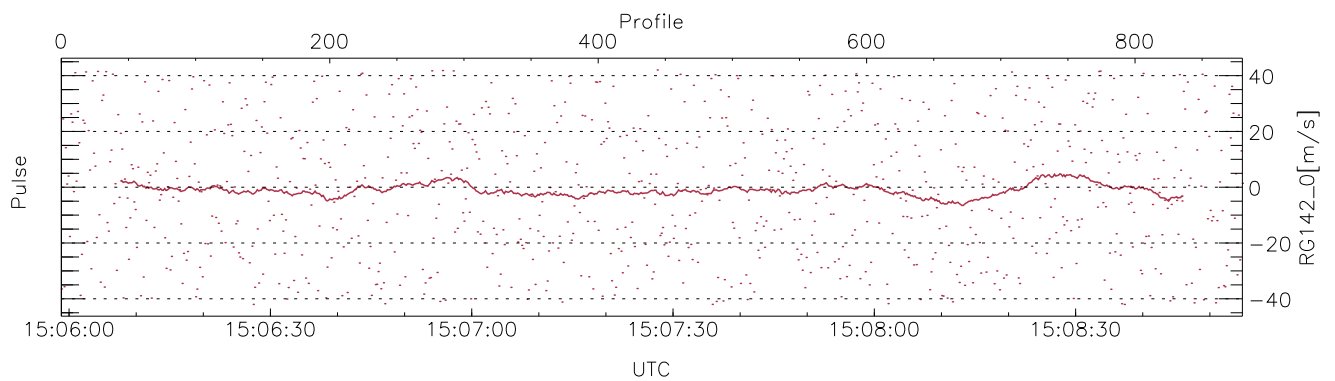
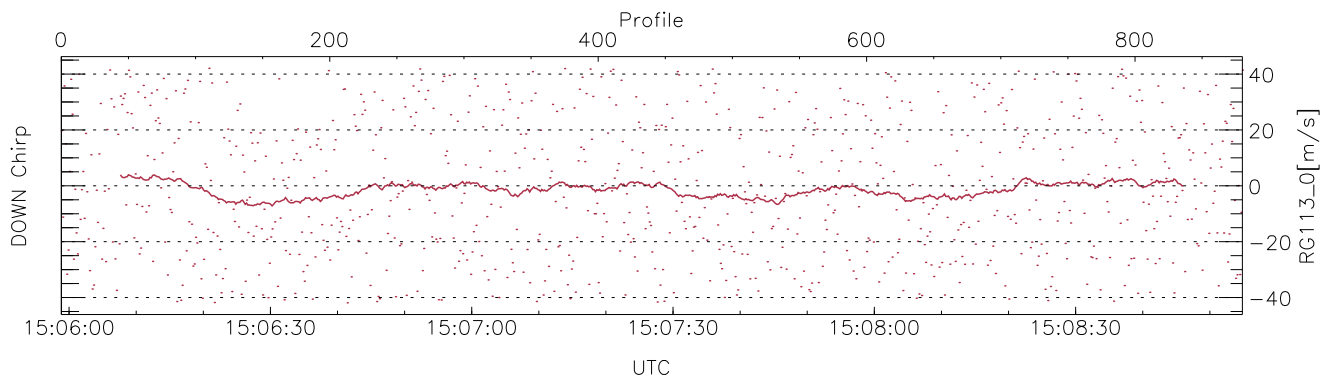
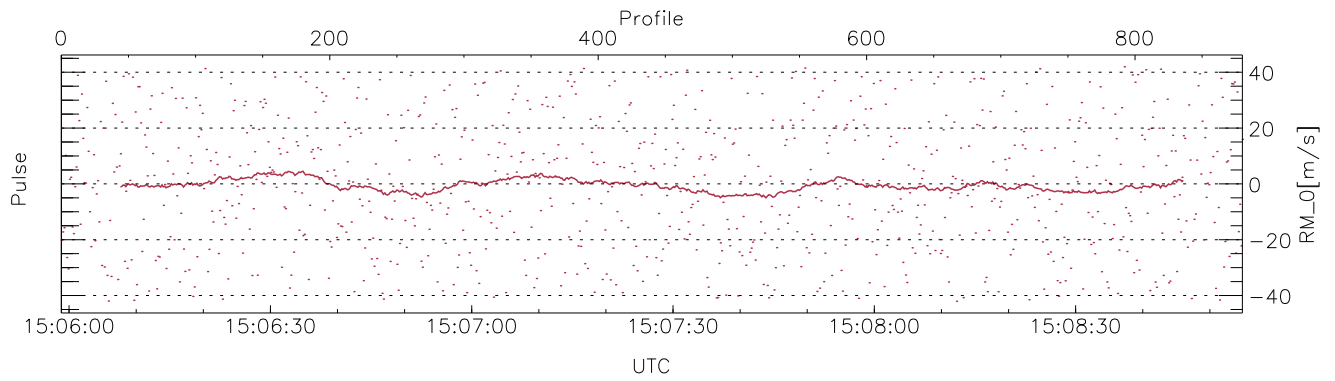
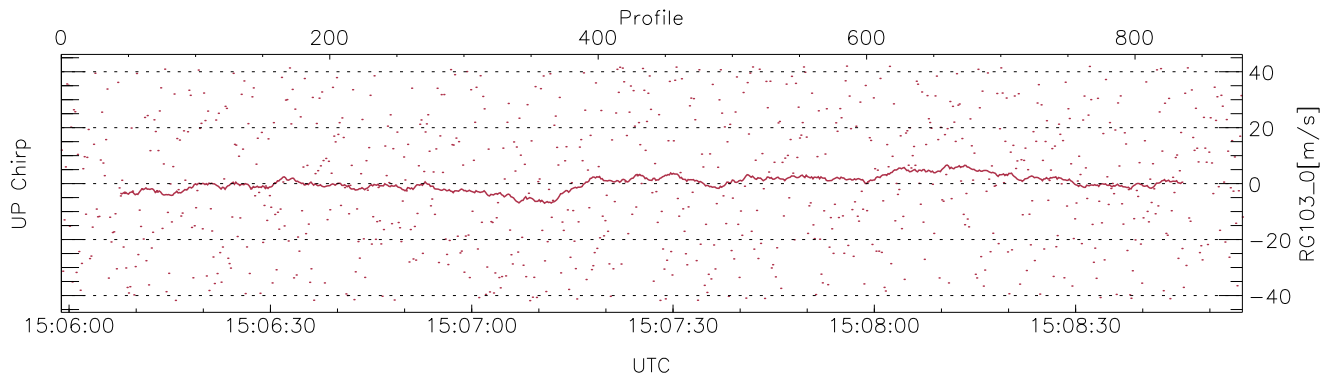
KPR SPP Averaged Received power for all recorded gates
blue: 150559-150726, 441 profiles averaged
red: 150726-150855, 441 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 150559-150726, 441 profiles averaged
red: 150726-150855, 441 profiles averaged

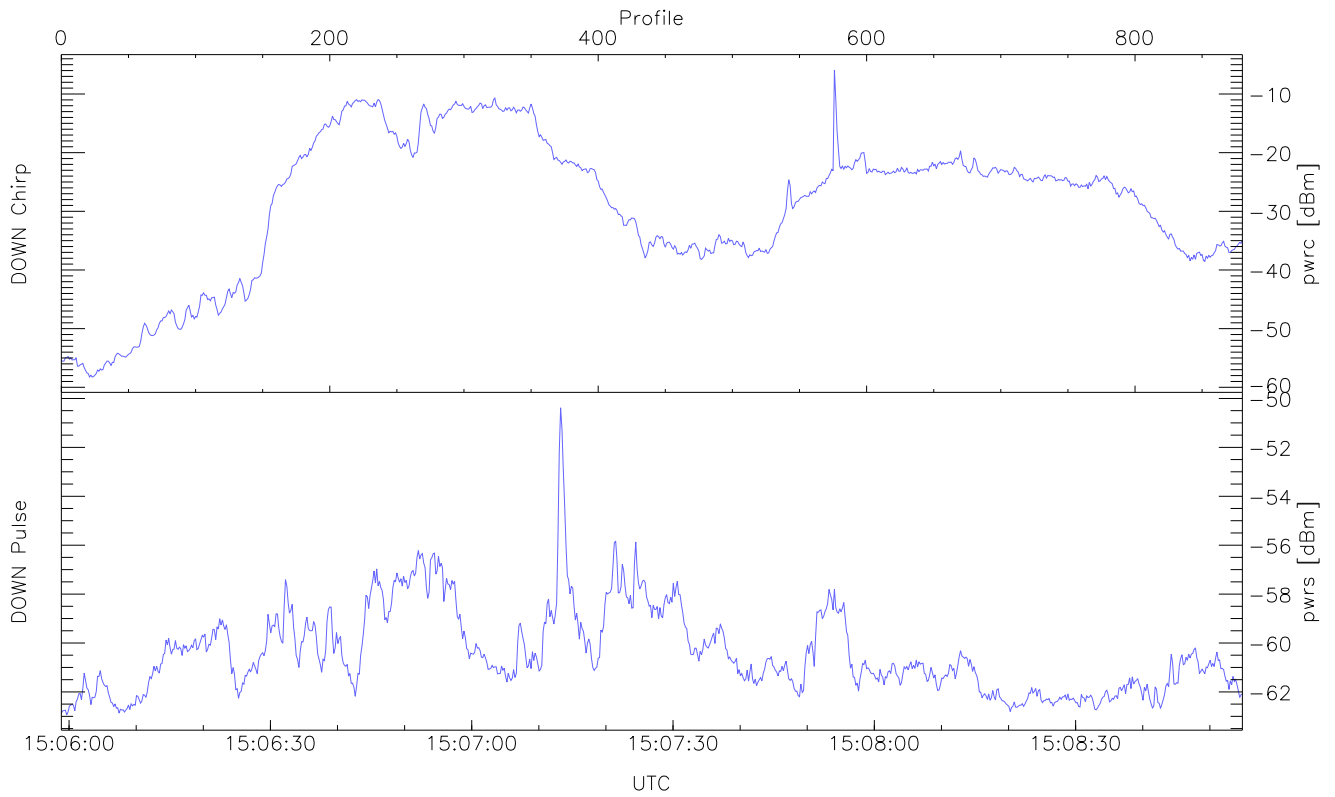
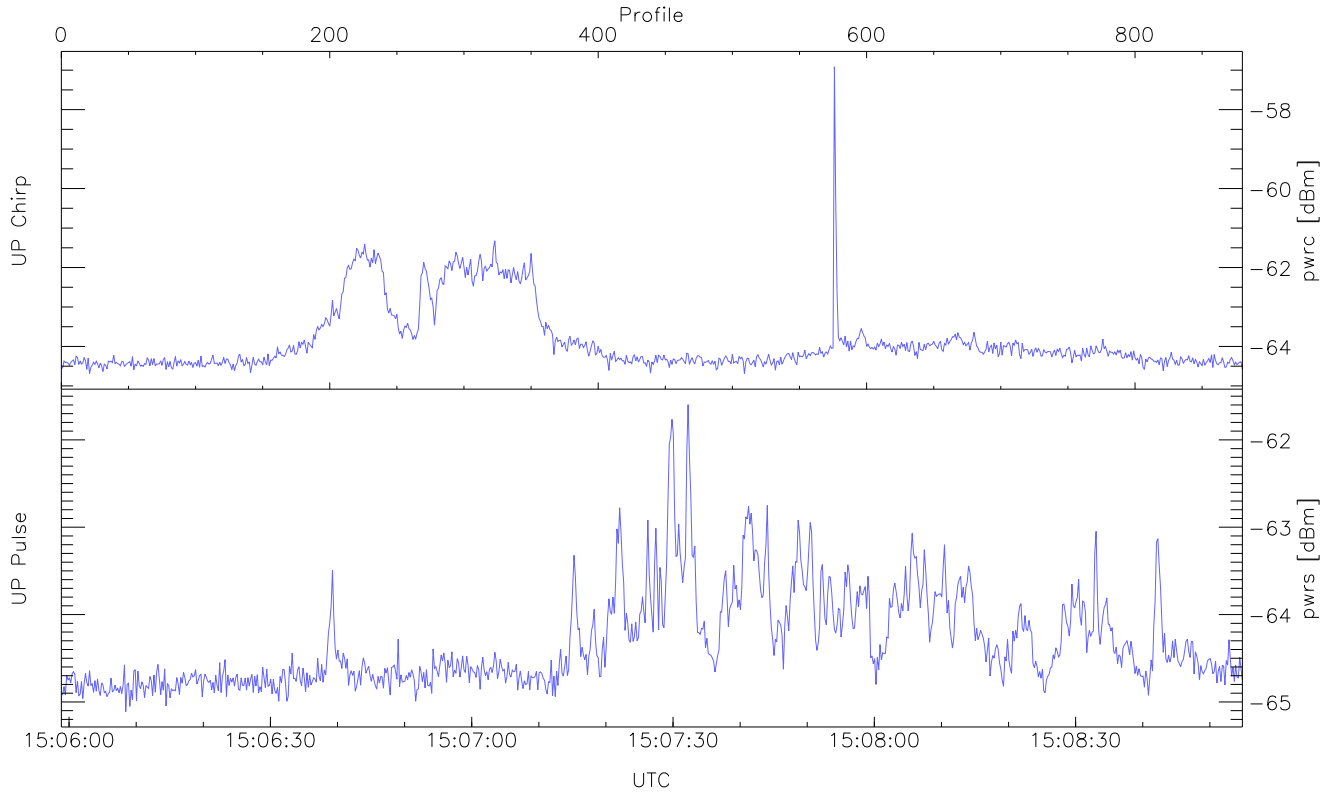


KPR SPP Averaged PP magnitude for all recorded gates
blue: 150559-150726, 441 profiles averaged
red: 150726-150855, 441 profiles averaged



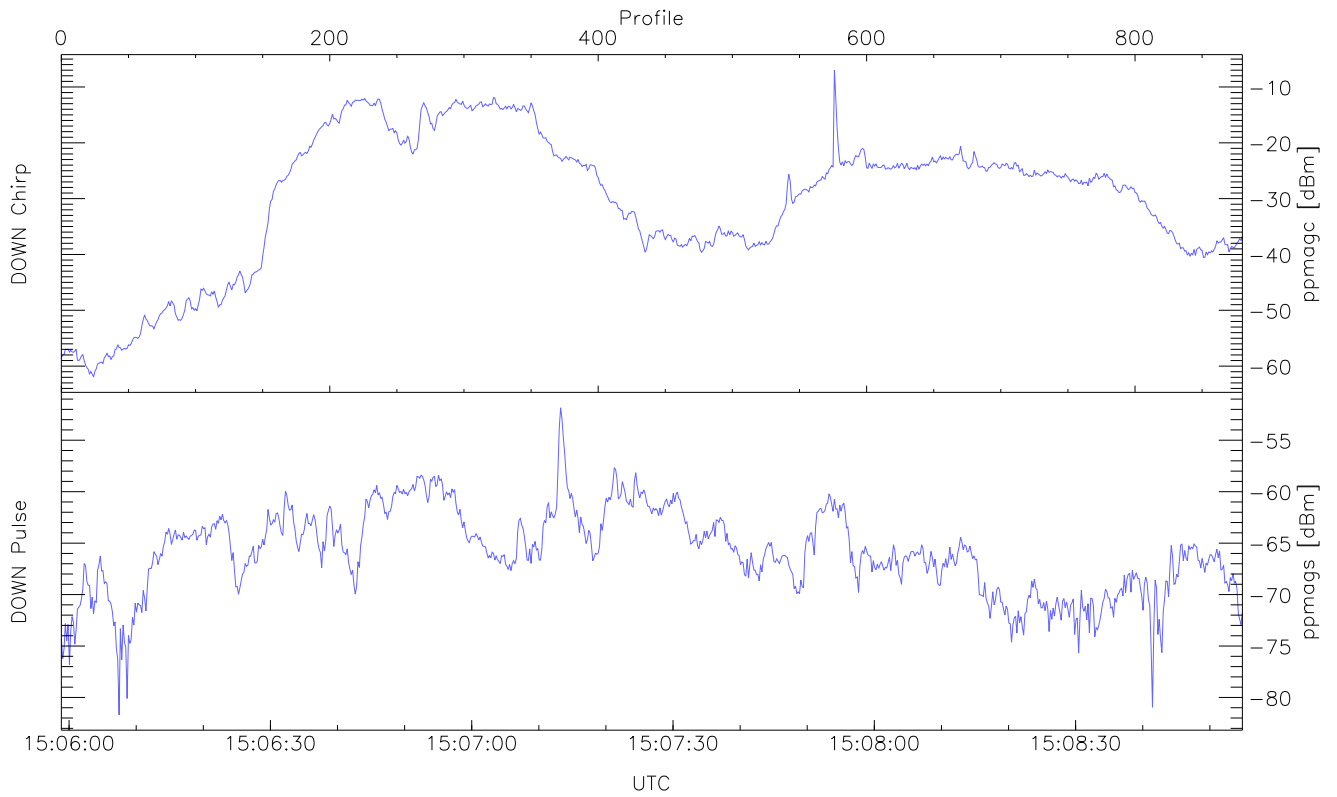
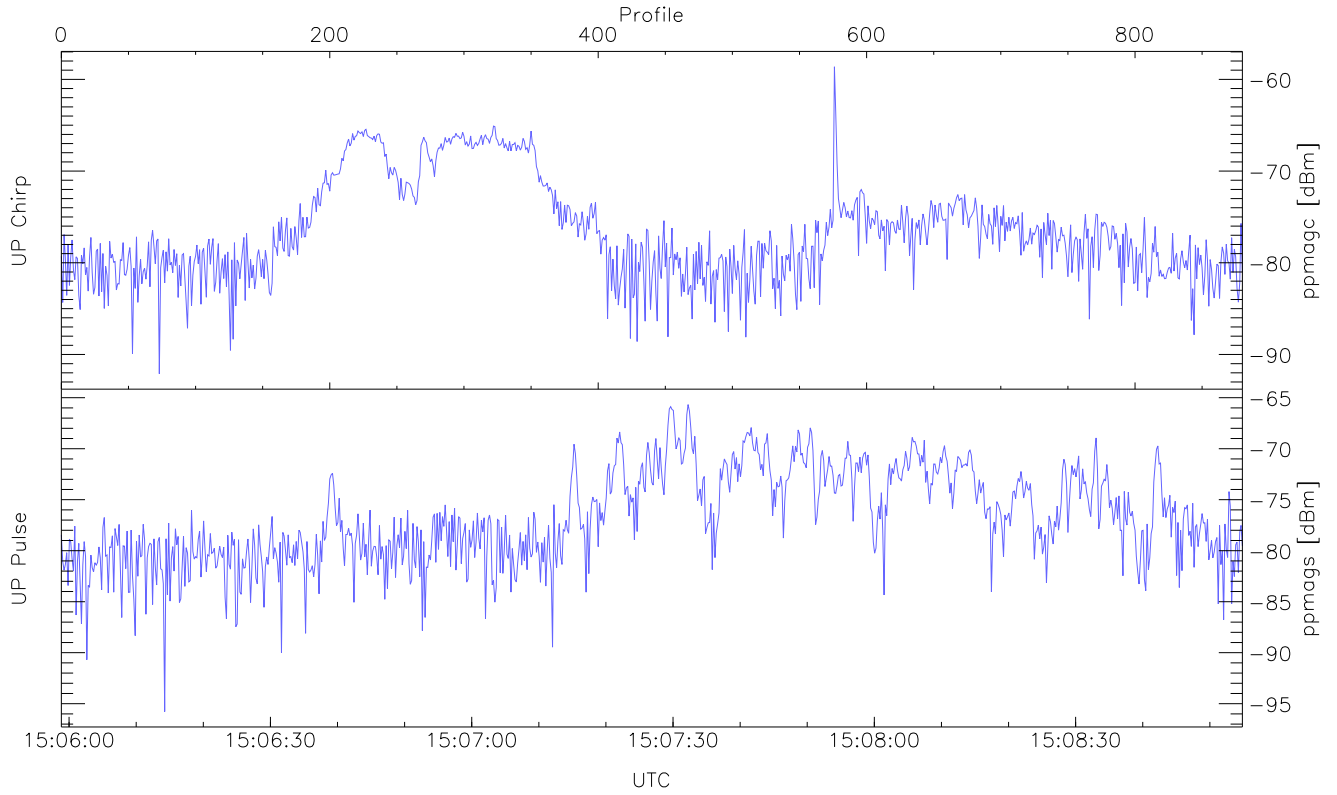
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG103_0	-41.83	42.00	0.16	-0.07	23.64
UP_P_RM_0	-42.05	41.97	-0.54	-0.77	22.87
DOWN_C_RG113_0	-41.89	42.05	-1.26	-3.69	23.85
DOWN_P_RG142_0	-42.02	42.05	-0.93	-0.45	23.65



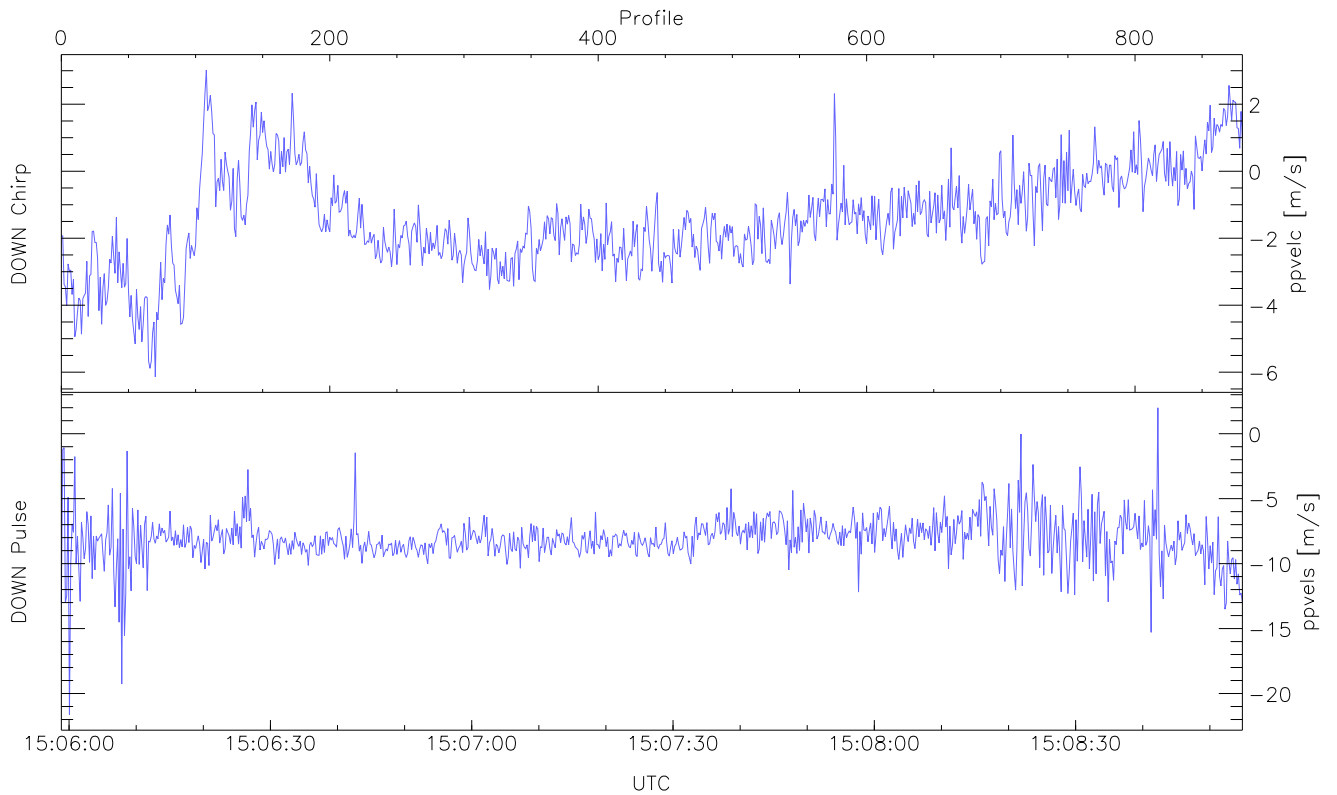
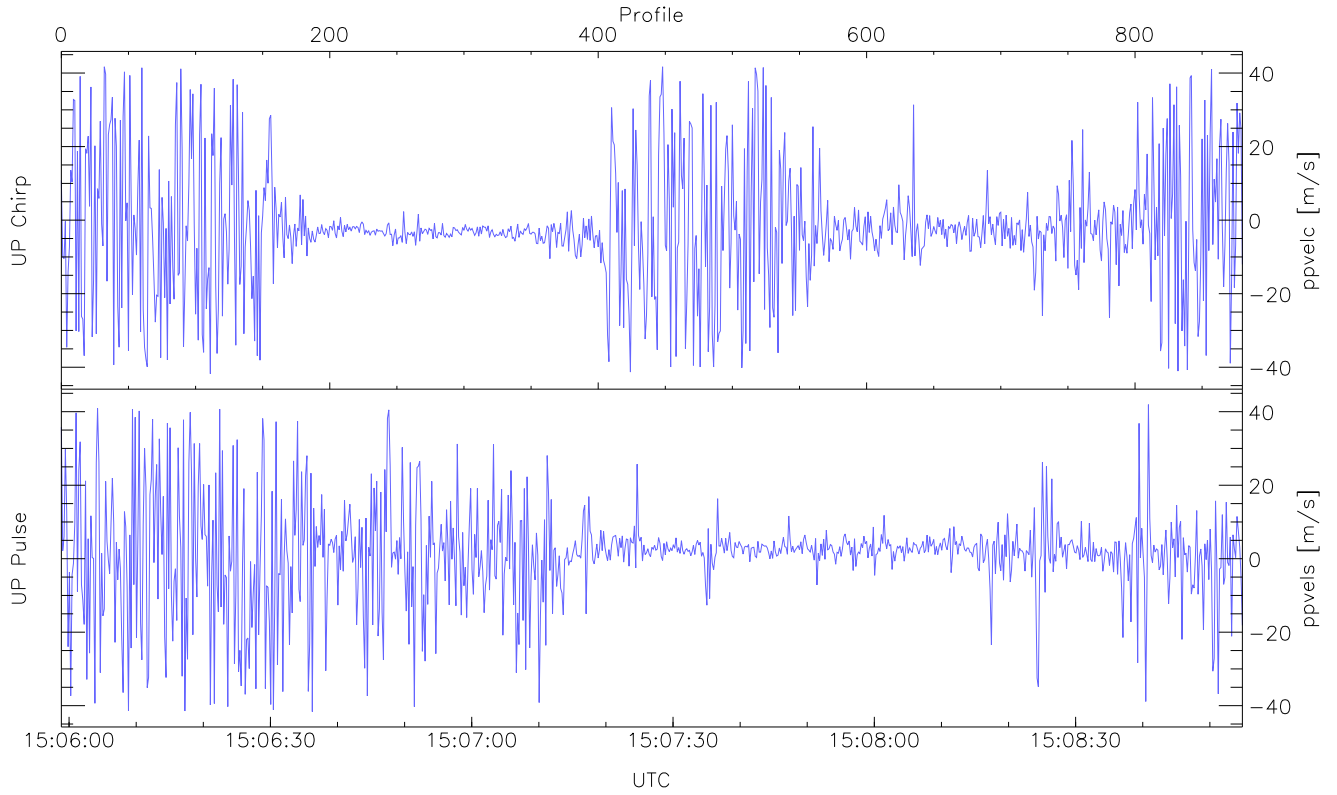
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-64.69	-56.91	-63.78
UP Pulse(dBm)	-65.11	-61.60	-64.29
DOWN Chirp(dBm)	-58.25	-5.90	-19.38
DOWN Pulse(dBm)	-62.94	-50.38	-60.02



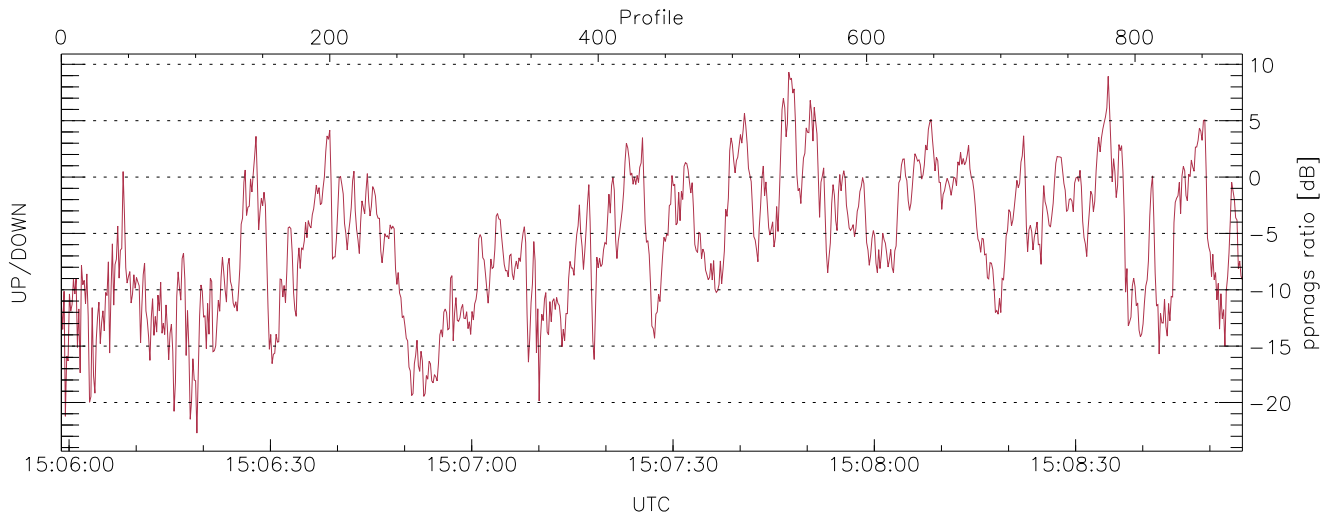
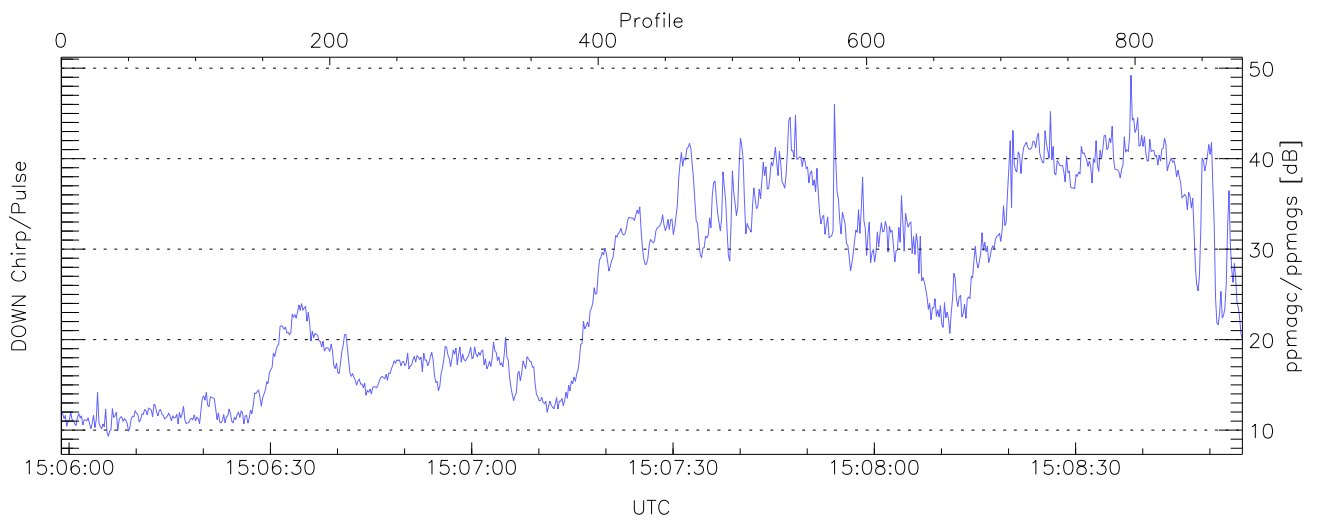
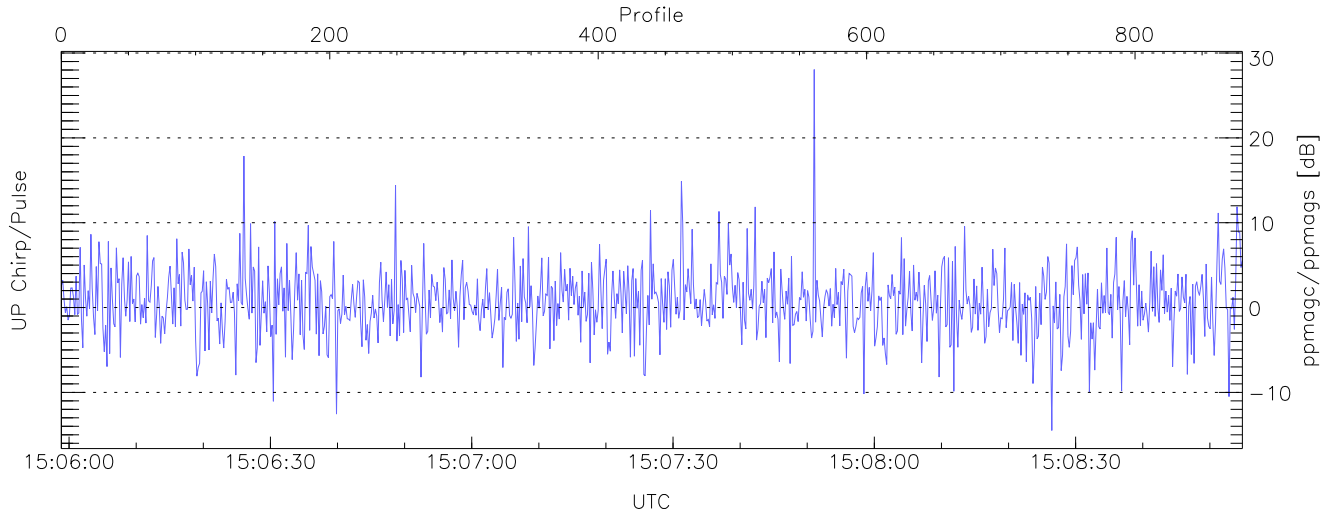
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-92.11	-58.63	-73.10
UP Pulse(dBm)	-95.78	-65.67	-74.59
DOWN Chirp(dBm)	-61.95	-6.96	-20.53
DOWN Pulse(dBm)	-81.69	-51.84	-64.10



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)	-41.80	41.71	-1.85
UP Pulse(m/s)	-41.62	41.95	1.27
DOWN Chirp(m/s)	-6.14	3.02	-1.40
DOWN Pulse(m/s)	-21.64	2.00	-8.08



KPR SPP PPMAG Chirp/Pulse; Range gate: 551.3m /555.5m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-14.50	28.06	4.04
DOWN Chirp/Pulse(dBm)	9.32	49.22	34.94
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-22.72	9.31	-2.26