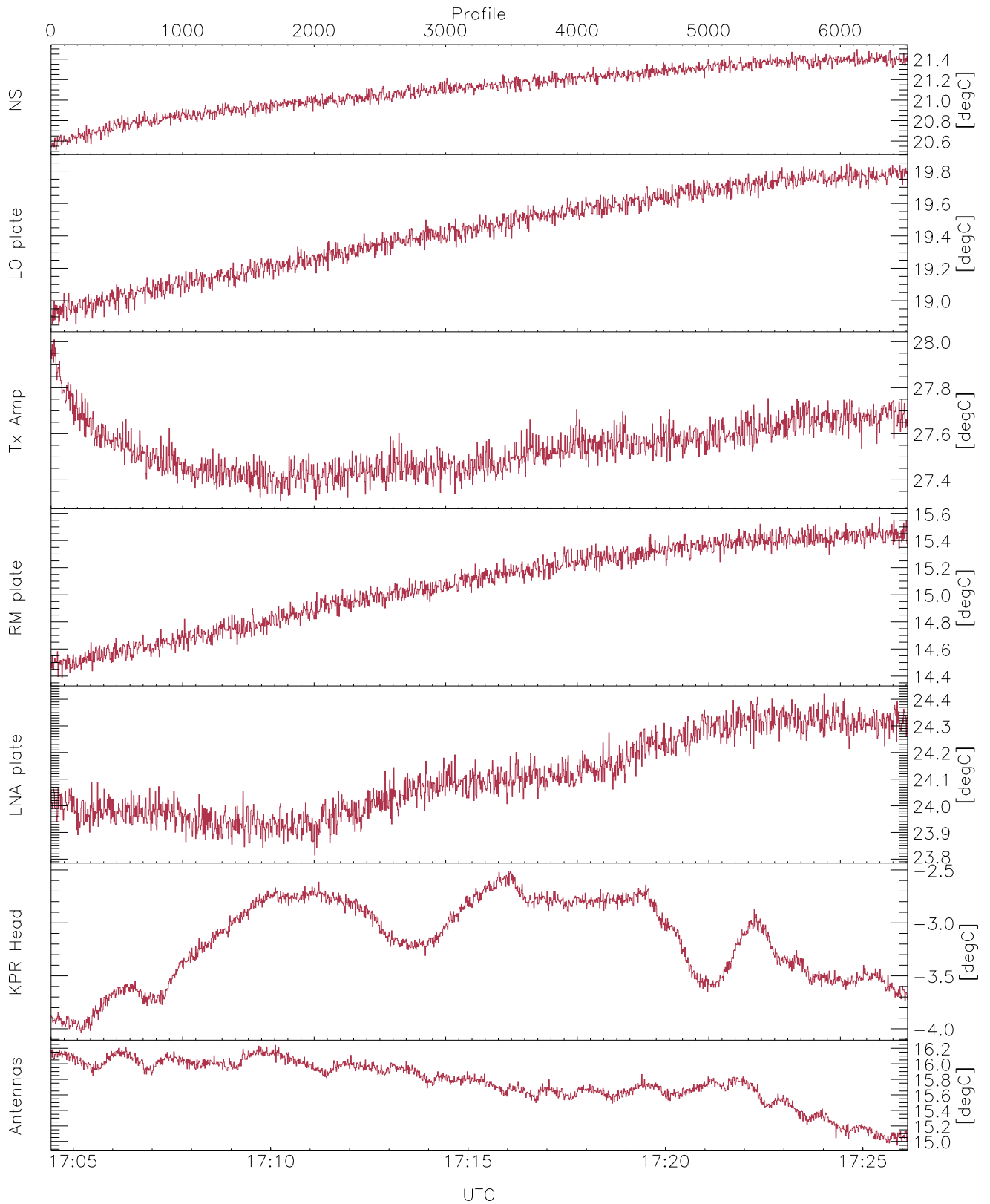


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 17:04:26-17:26:08, TimeCor: 0.00s, Dur: 1301.68s
 TimeInt(min,max,mn,std): 196.0,203.8,199.9,0.1 ms; PPS: 5.0
 NumRec(r/t): 6512/6512, 0-6511/17:04:26-17:26:08
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 MHz
 PRF: 19.0 KHz, avrgPulses: 1904, avrgPP: 952
 NyquistVel: 40.1 m/s, RangeRes:60.0 m
 Pulse Range(min,max): 166, 6492 m, Gates: 212
 Chirp Range(min,max): 1016, 6472 m, Gates: 183
 RangeGateSampling: 30.0 m, Aspect: 1.7

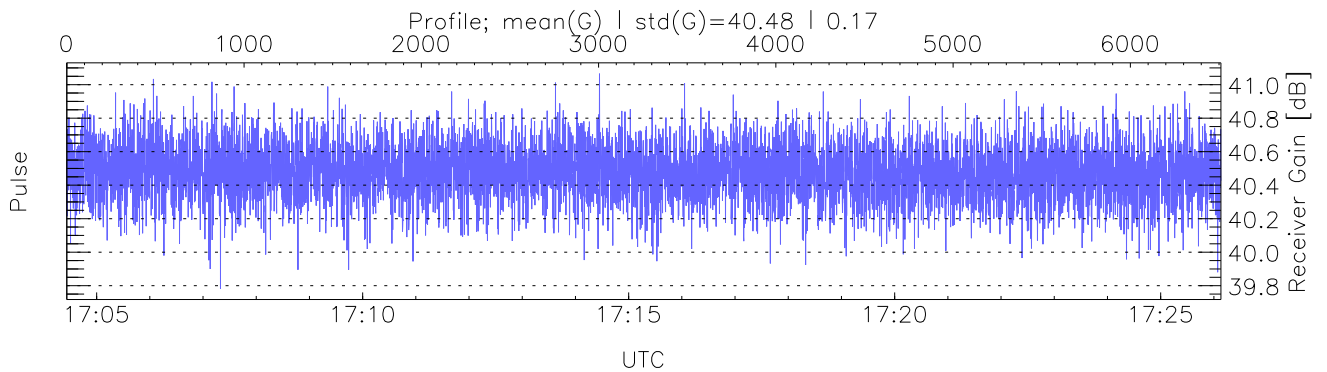
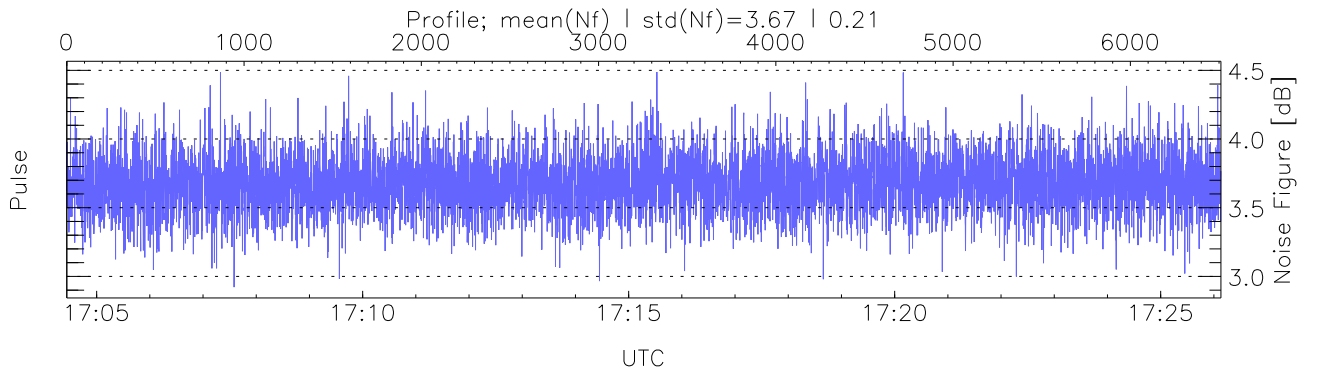
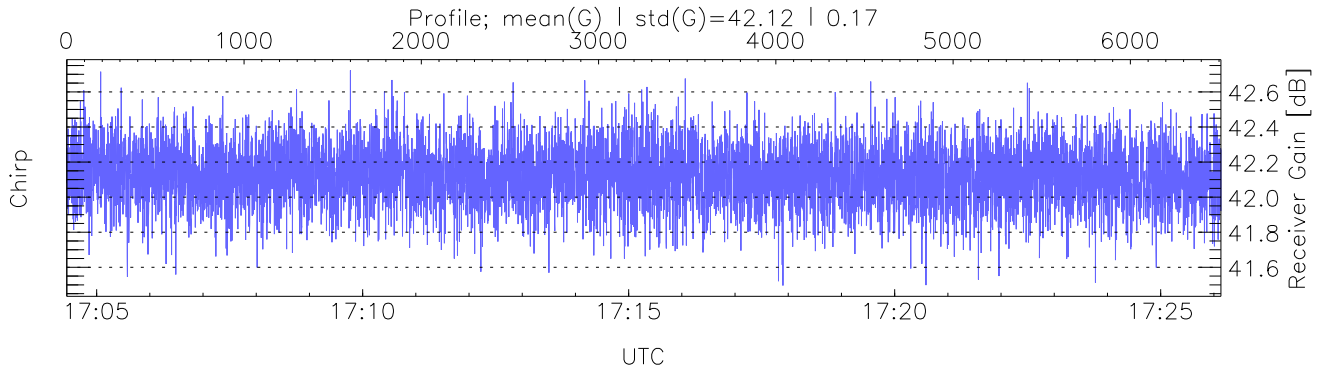
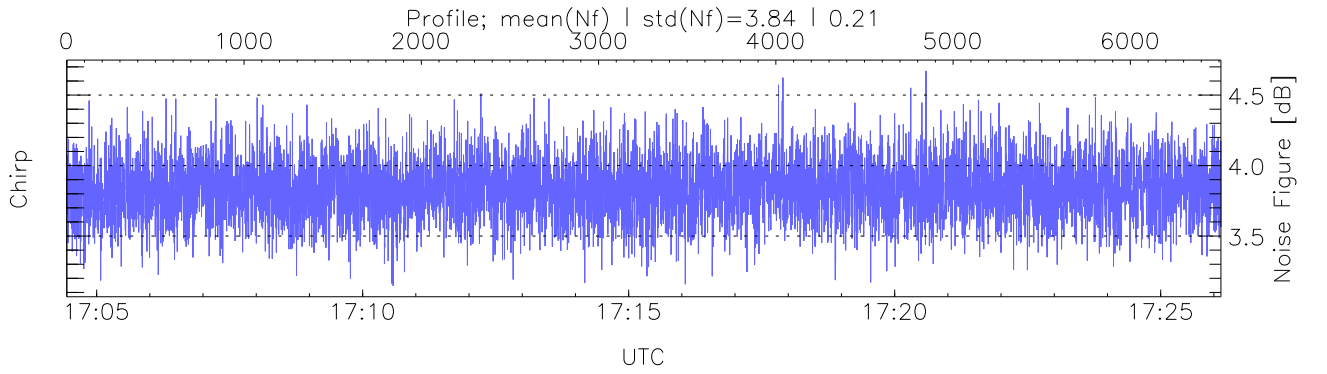


KPR SPP Temperatures, Power Supplies, PLO lock:

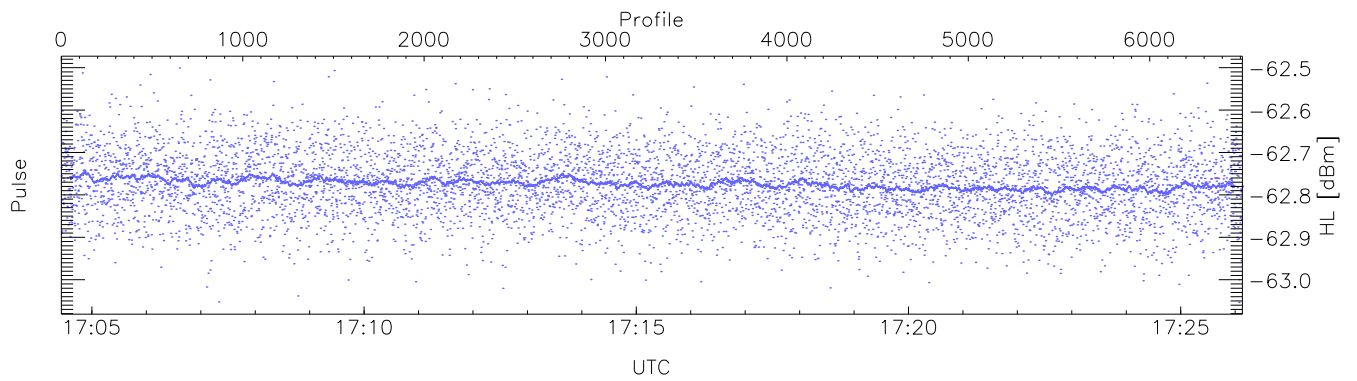
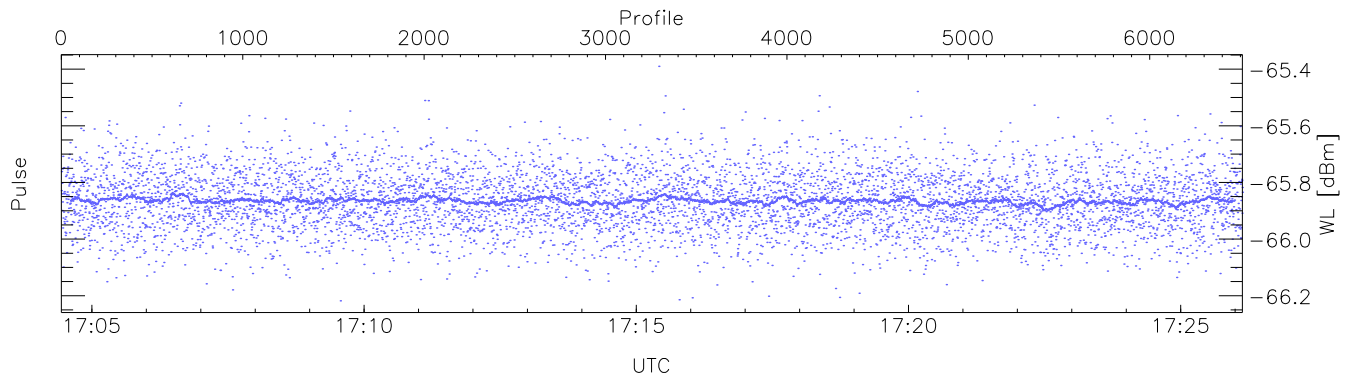
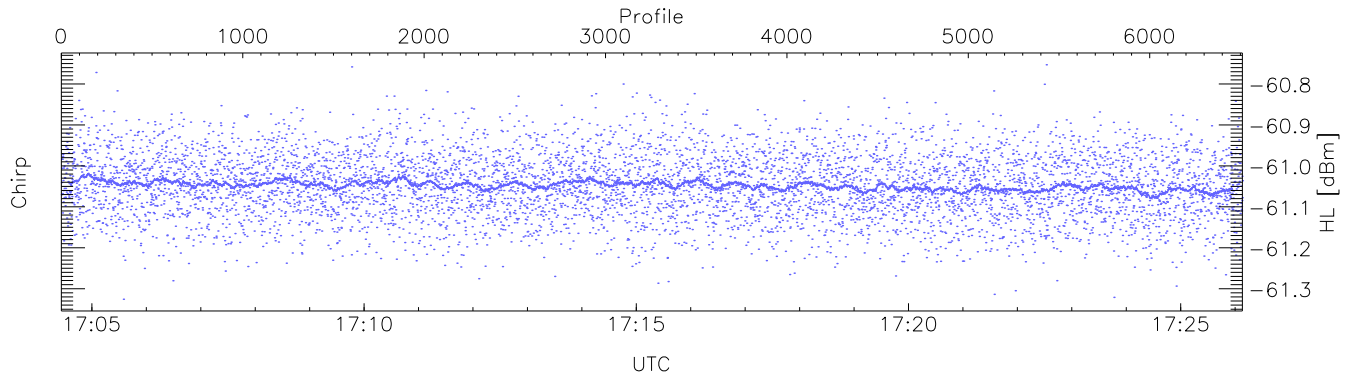
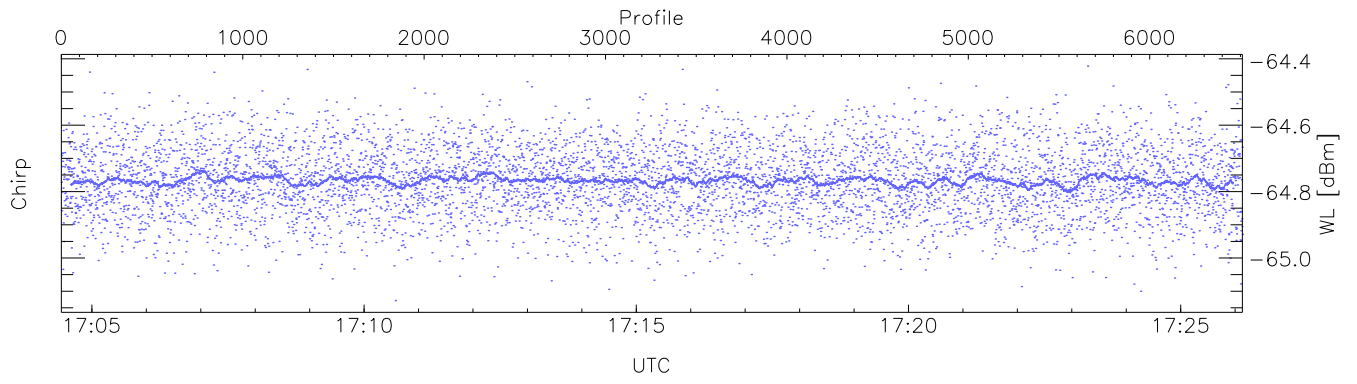
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	20.5,	18.9,	27.3,	14.4,	23.8,	-4.0,	15.0
maxtempC:	21.5,	19.9,	28.0,	15.6,	24.4,	-2.5,	16.2
meantempC:	21.1,	19.4,	27.5,	15.1,	24.1,	-3.2,	15.8

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.75,	11.65,	7.87,	5.21
maxVDC:	27.82,	11.73,	7.90,	5.23
meanVDC:	26.86,	11.69,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

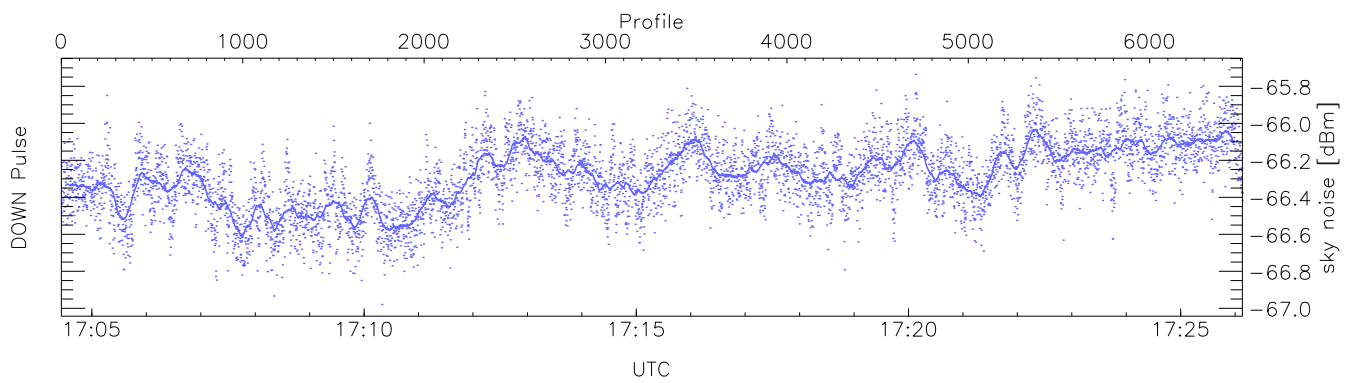
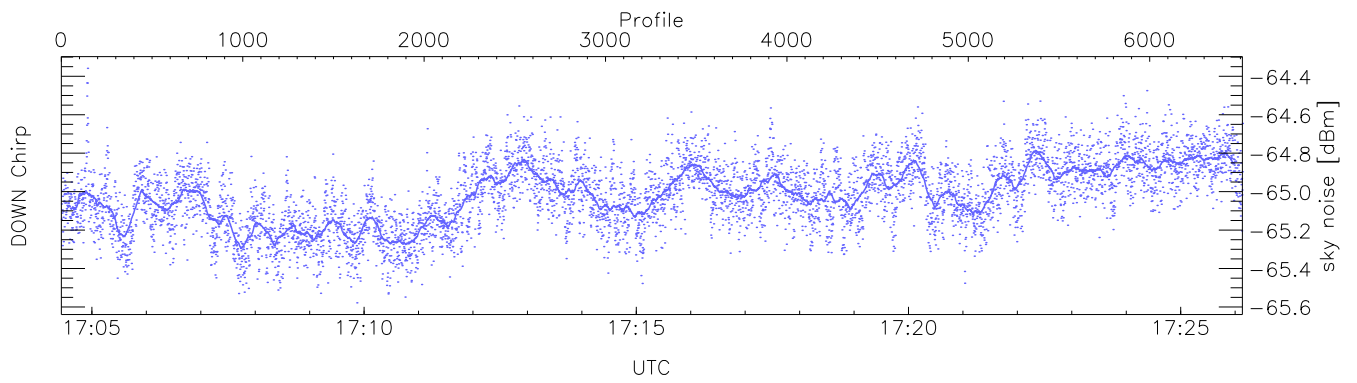
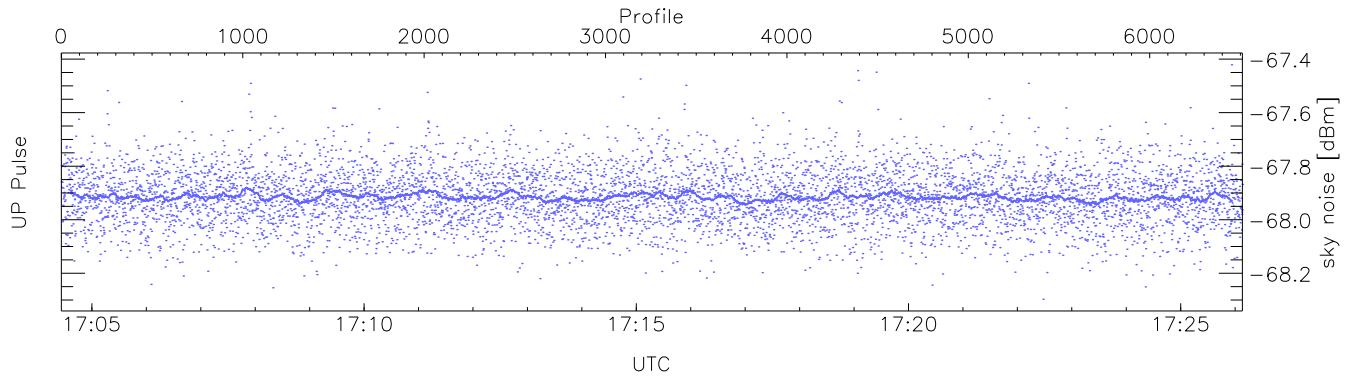
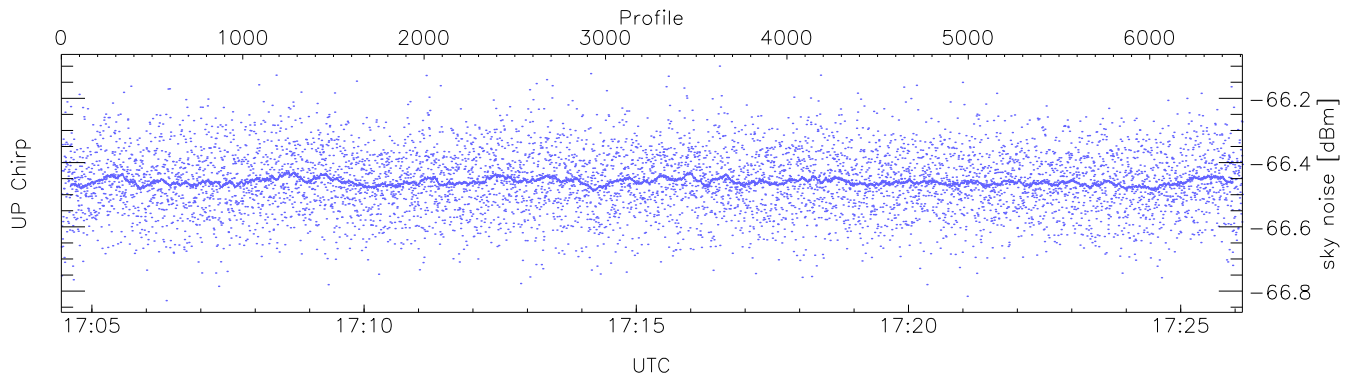


KPR SPP Receiver Gain and Noise Figure



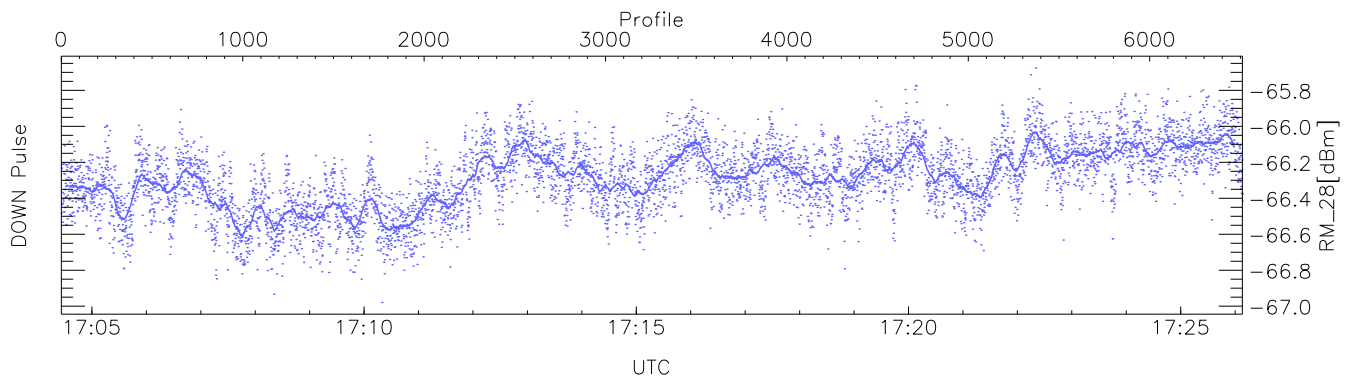
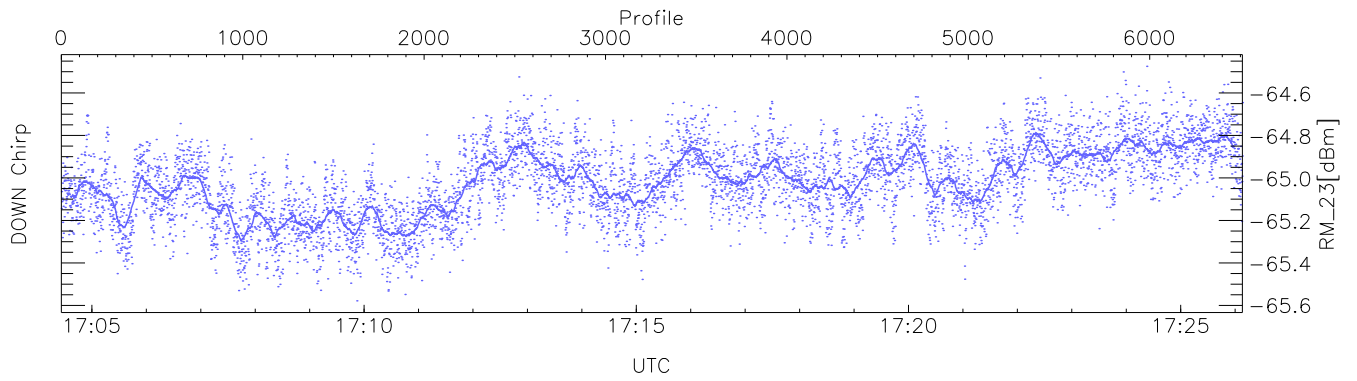
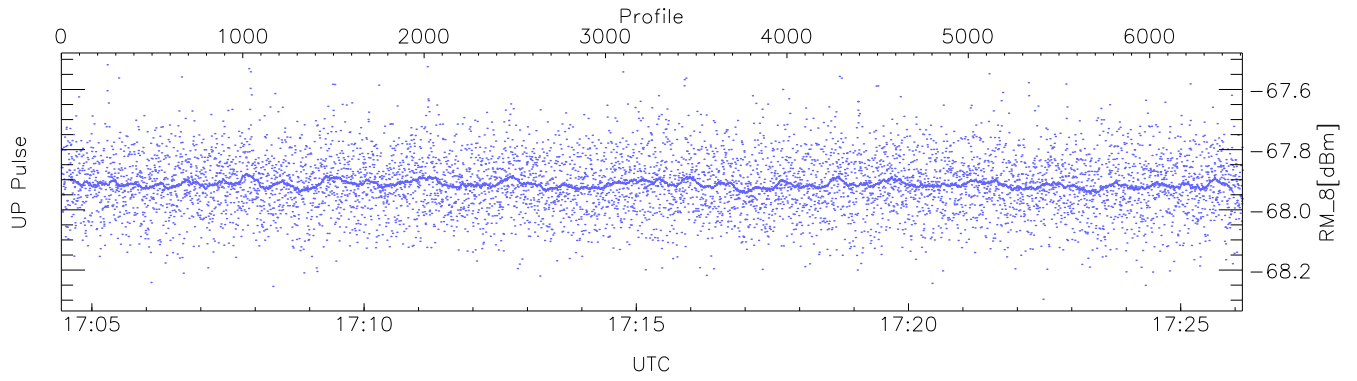
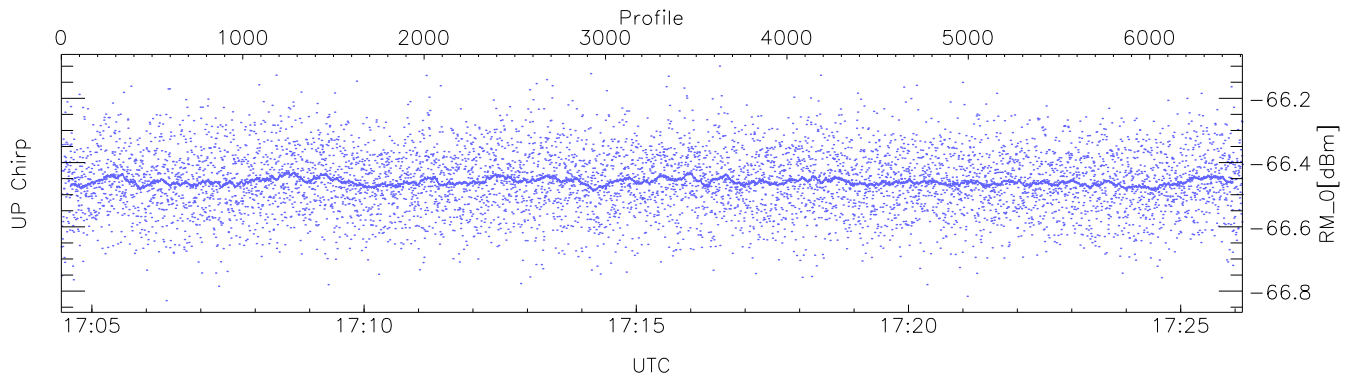
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.13	-64.42	-64.77	-64.77	-81.12
Chirp(HL [dBm])	-61.33	-60.75	-61.05	-61.05	-78.60
Pulse(WL [dBm])	-66.22	-65.39	-65.86	-65.87	-82.16
Pulse(HL [dBm])	-63.05	-62.50	-62.77	-62.77	-80.31



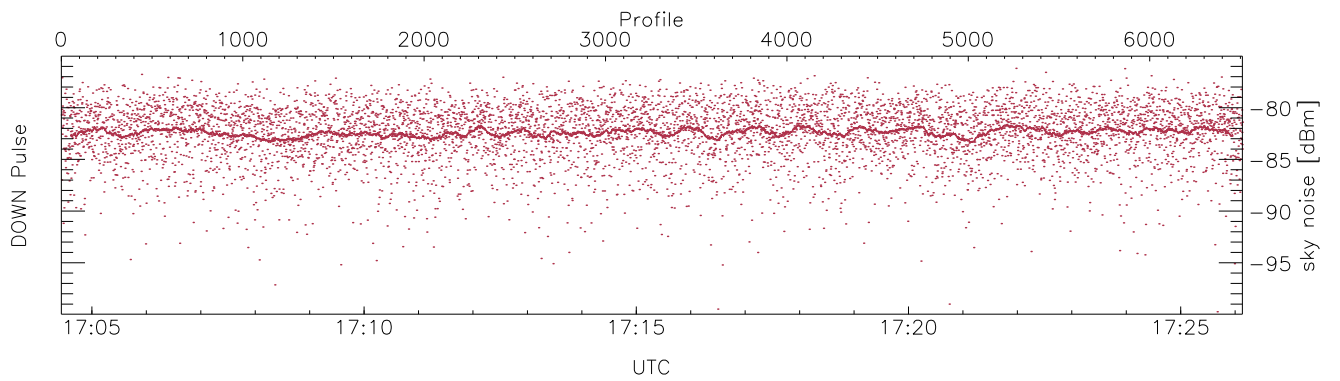
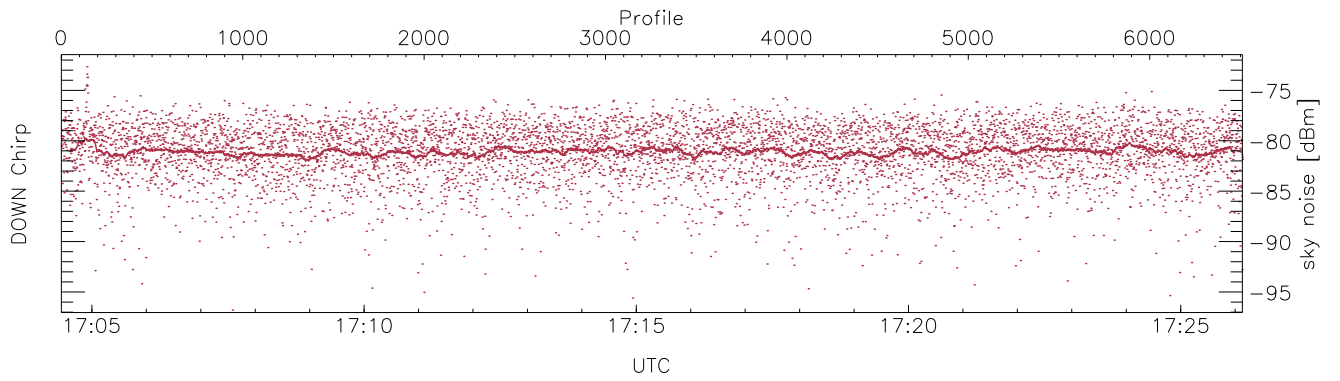
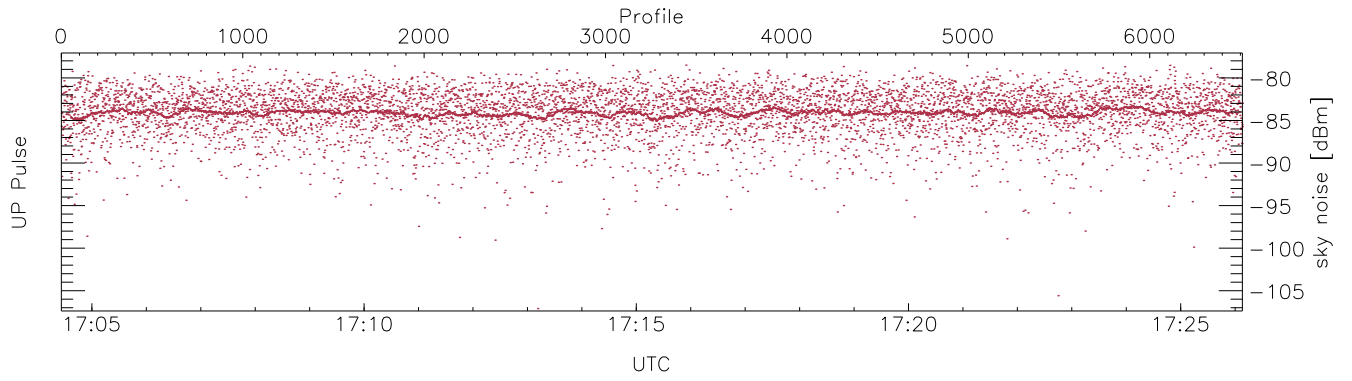
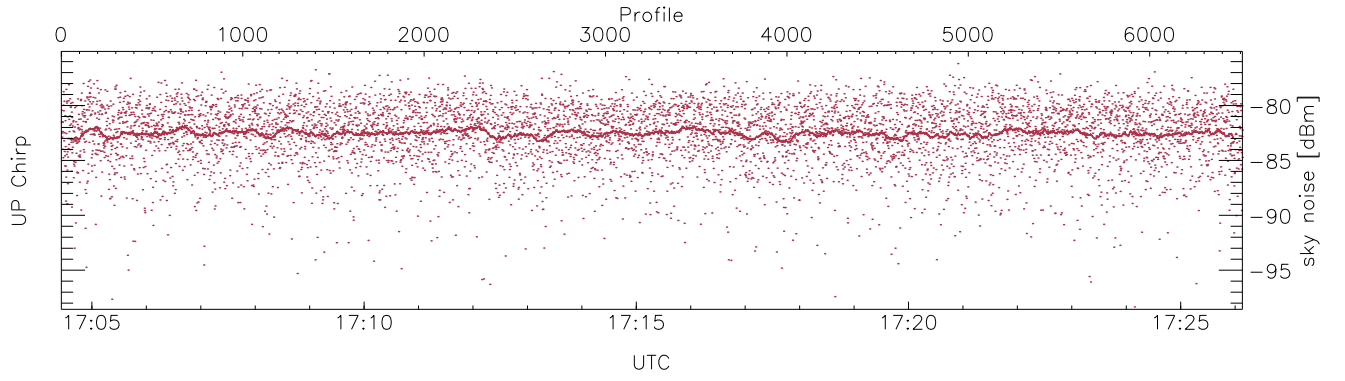
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.83	-66.10	-66.46	-66.46	-82.78
UP Pulse(dBm)	-68.30	-67.42	-67.91	-67.92	-84.16
DOWN Chirp(dBm)	-65.58	-64.36	-65.02	-65.01	-78.94
DOWN Pulse(dBm)	-66.98	-65.71	-66.28	-66.28	-79.95



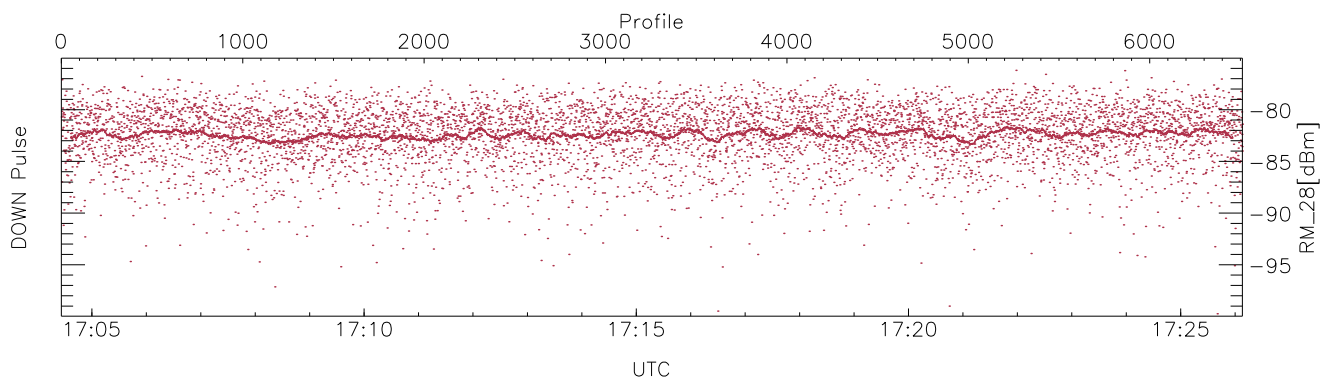
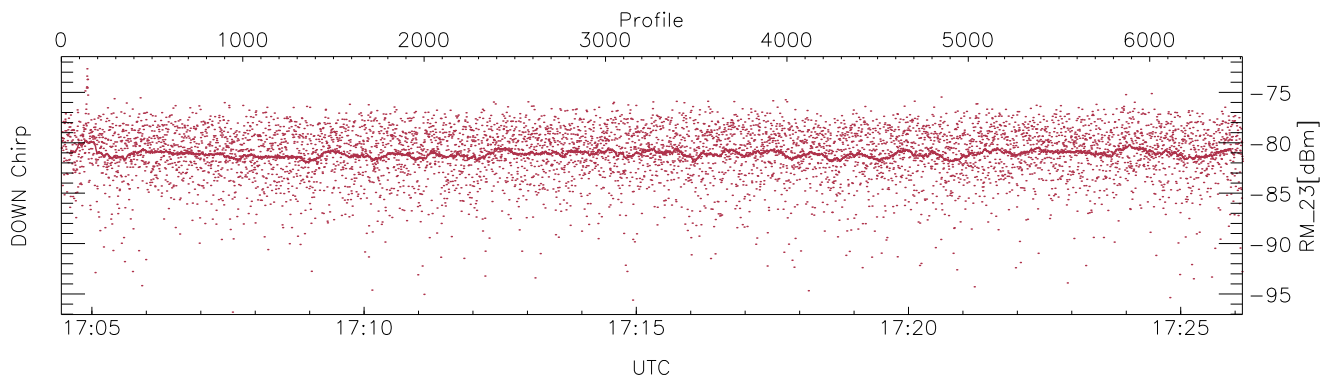
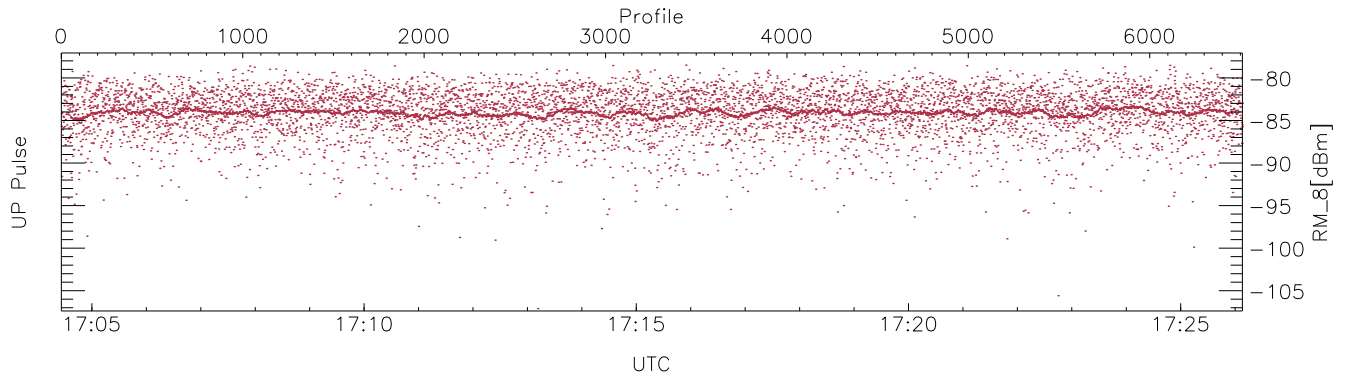
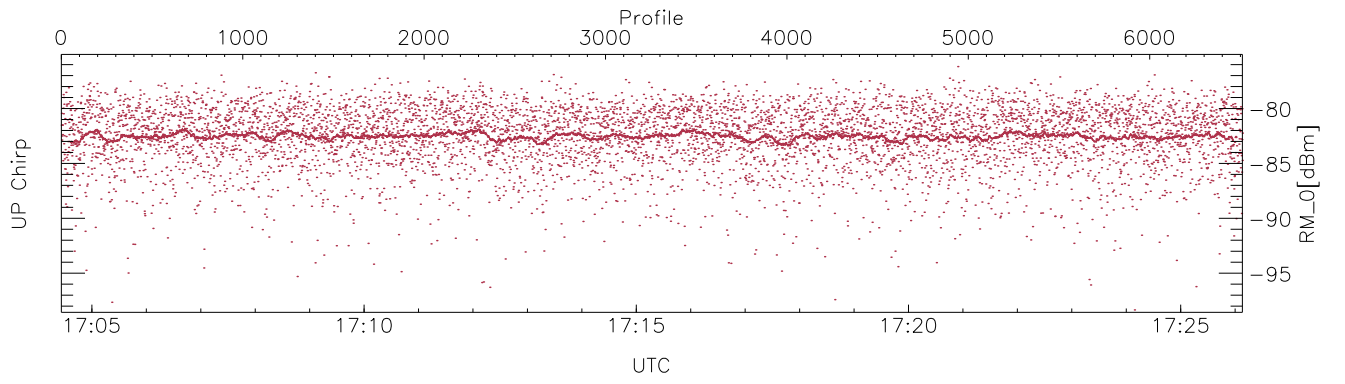
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-66.83	-66.10	-66.46	-66.46	-82.78
UP_P_RM_8	-68.30	-67.52	-67.91	-67.92	-84.19
DOWN_C_RM_23	-65.58	-64.47	-65.02	-65.01	-78.96
DOWN_P_RM_28	-66.98	-65.68	-66.28	-66.28	-79.95



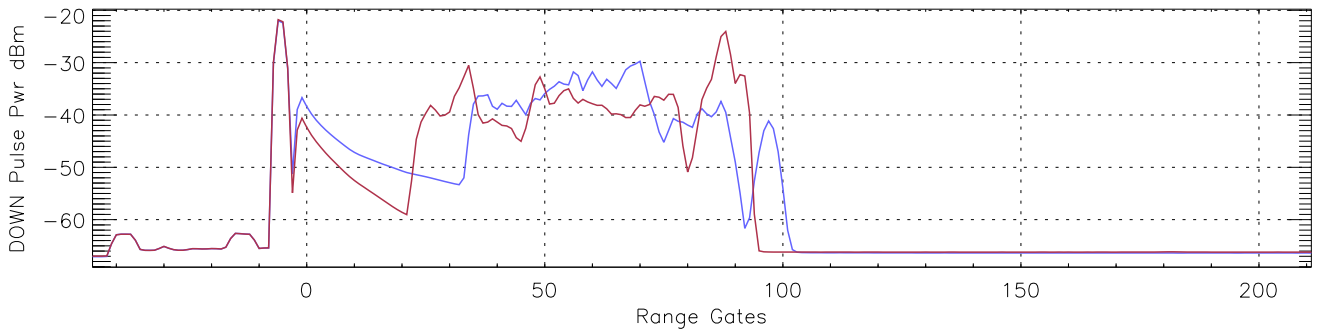
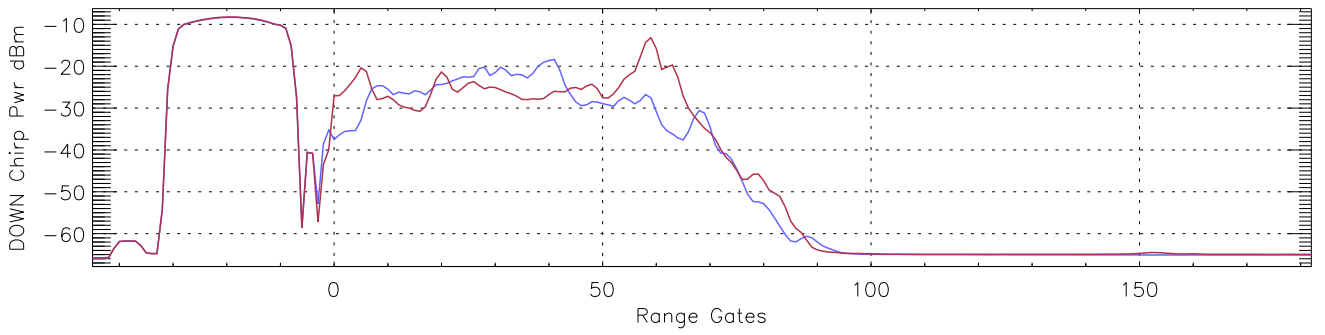
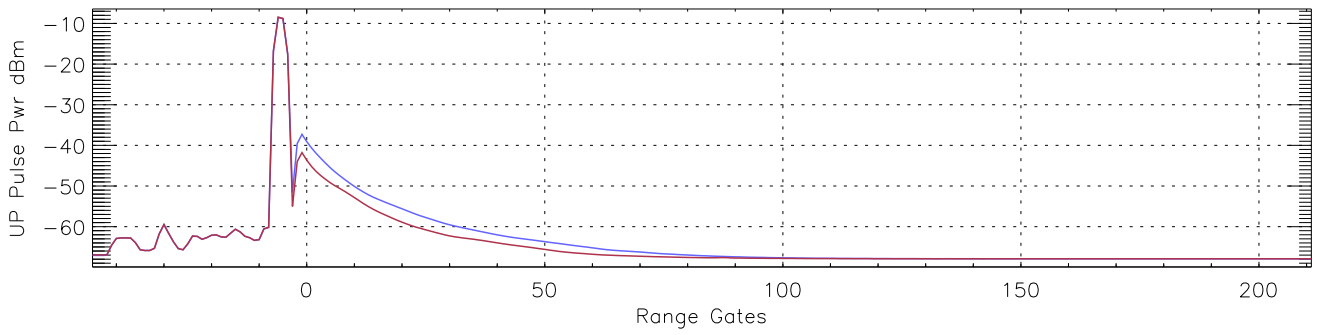
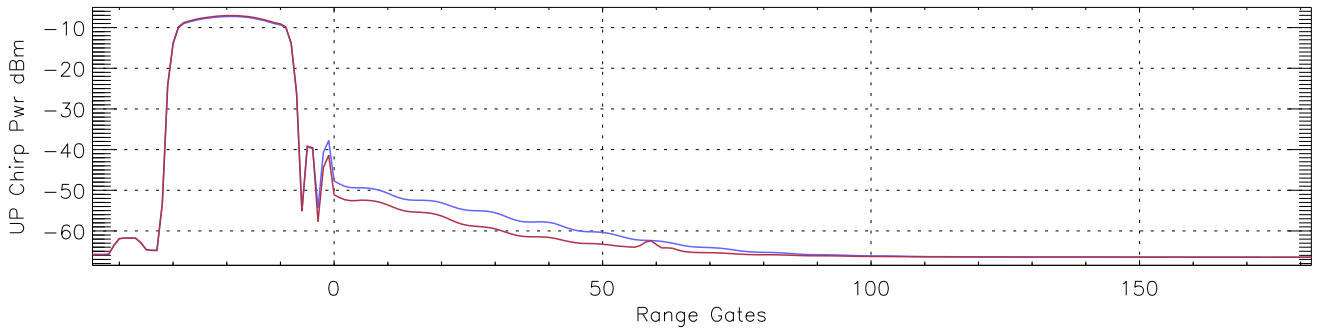
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-98.35	-76.18	-81.83	-82.15	-84.65
UP Pulse(dBm)	-107.10	-78.51	-83.38	-83.67	-86.19
DOWN Chirp(dBm)	-96.80	-72.66	-80.38	-80.69	-83.09
DOWN Pulse(dBm)	-99.74	-76.20	-81.68	-81.97	-84.44

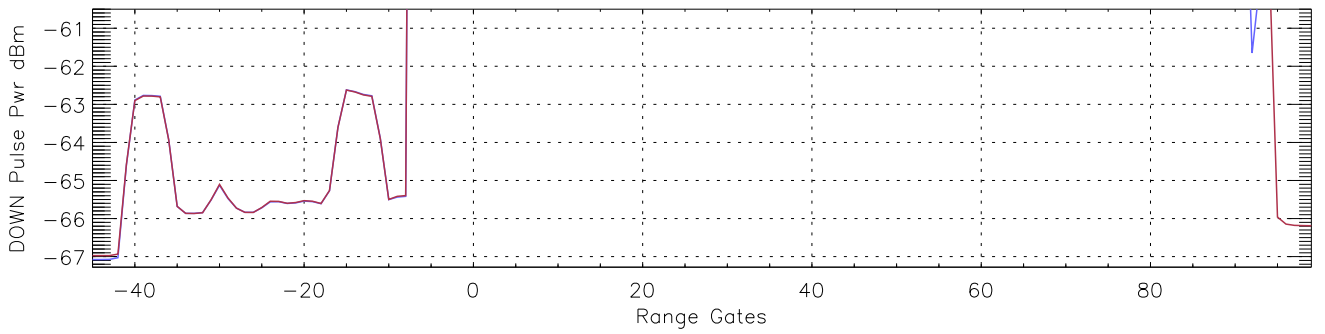
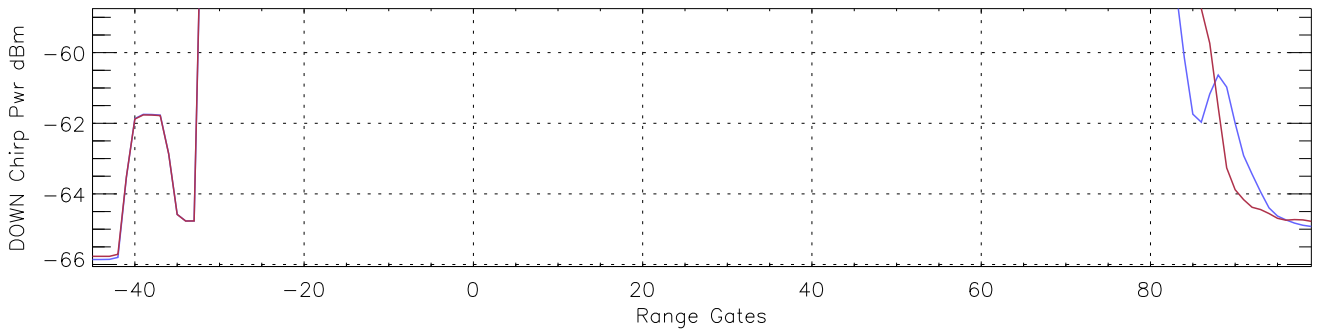
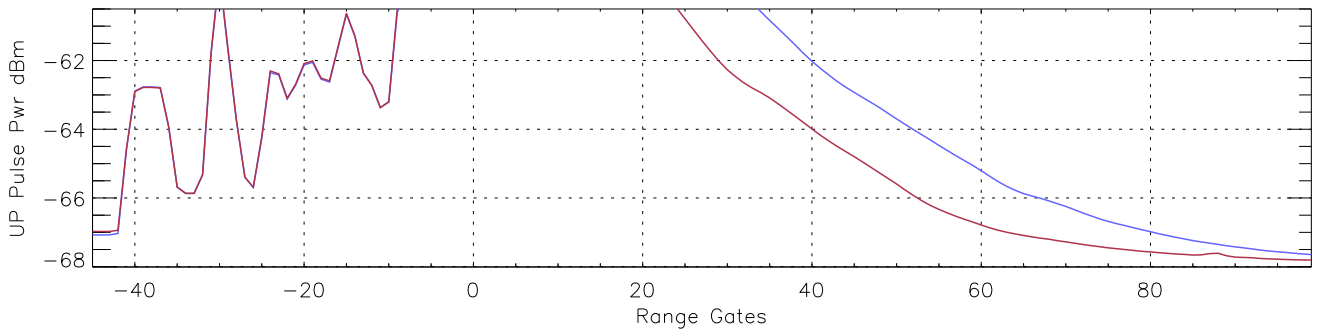
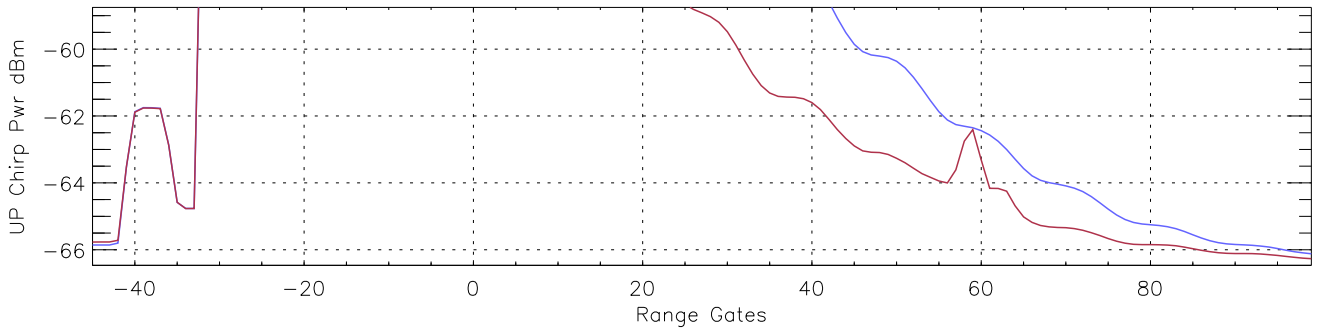


KPR SPP "Best" PPMAG noise (dBm):

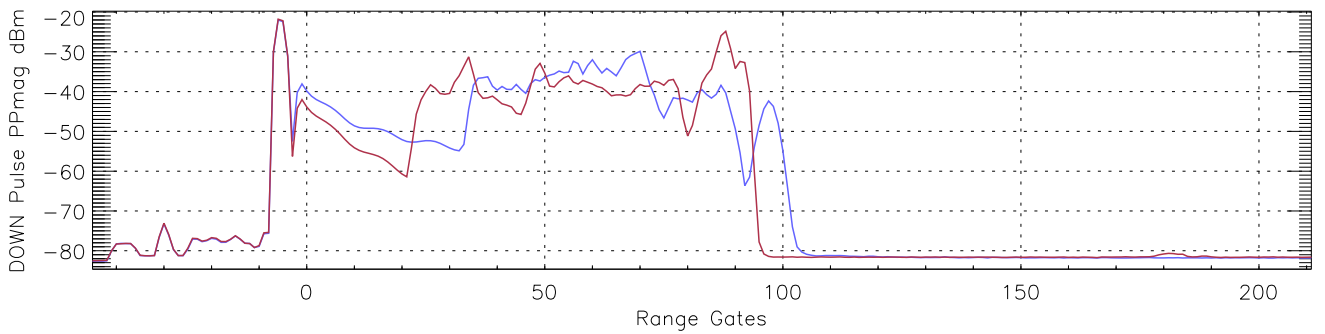
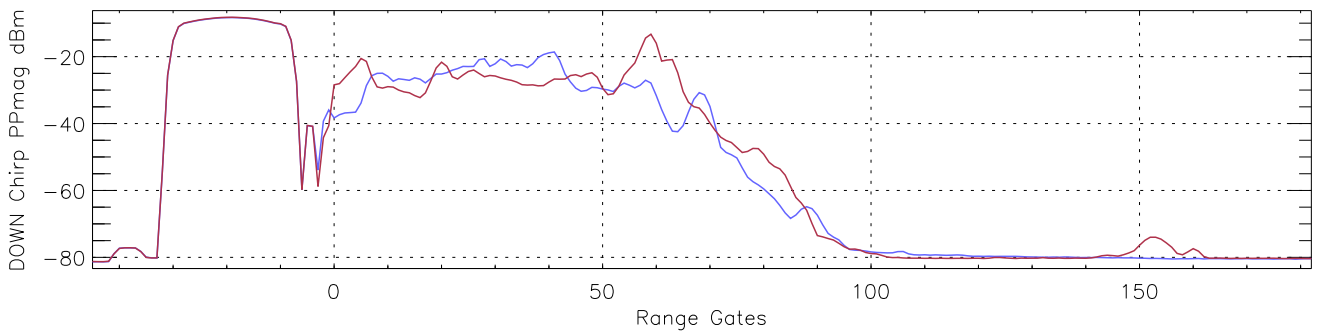
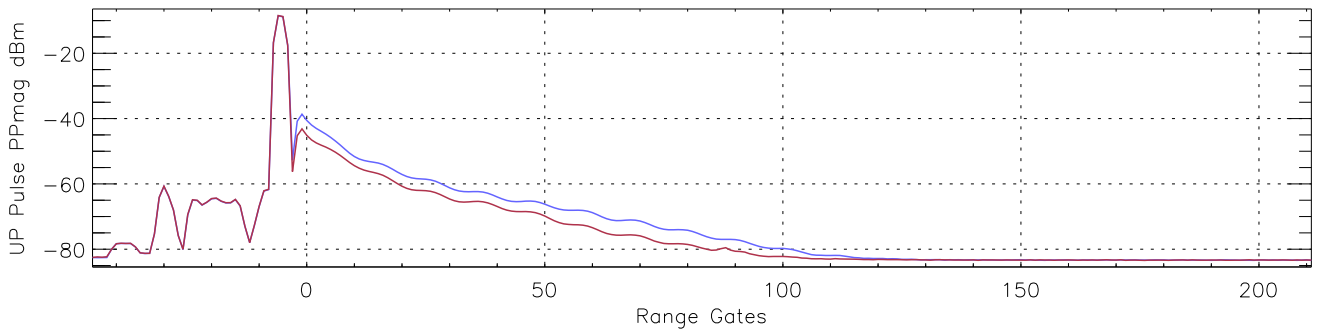
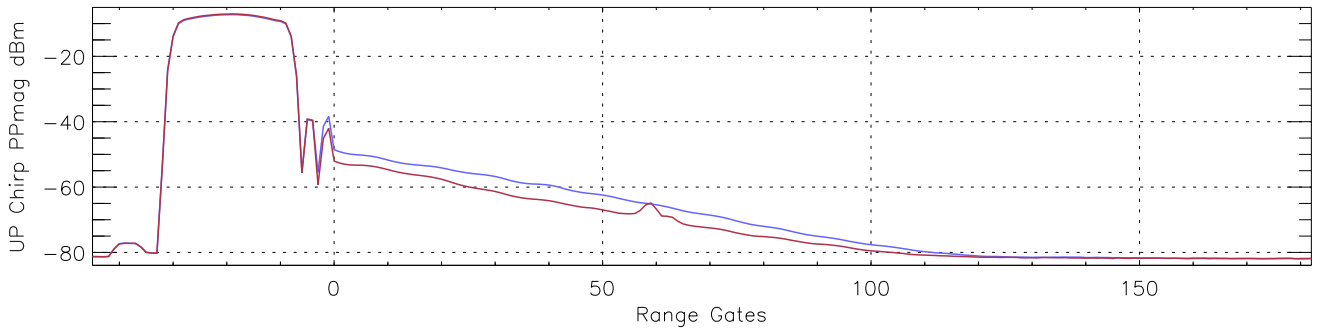
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-98.35	-76.18	-81.83	-82.15	-84.65
UP_P_RM_8	-107.10	-78.51	-83.38	-83.67	-86.19
DOWN_C_RM_23	-96.80	-72.66	-80.38	-80.69	-83.09
DOWN_P_RM_28	-99.74	-76.20	-81.68	-81.97	-84.44



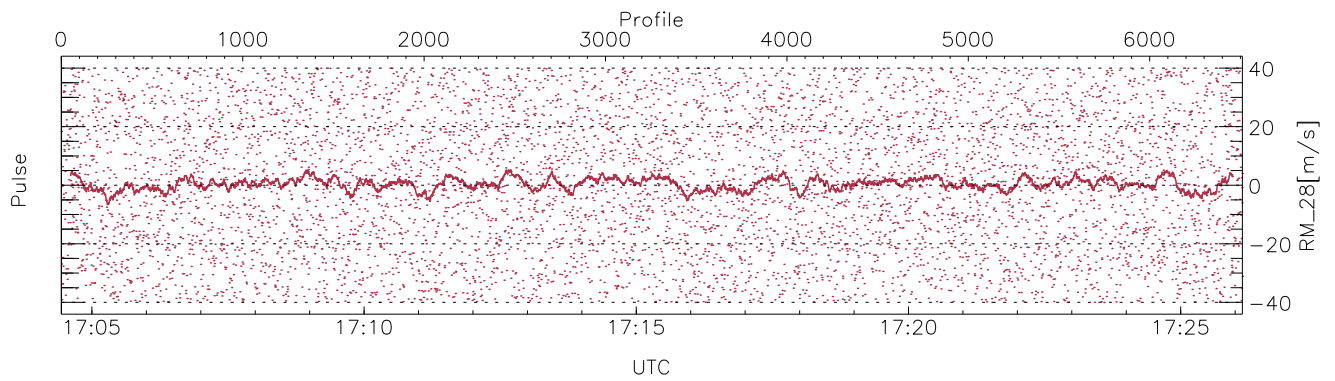
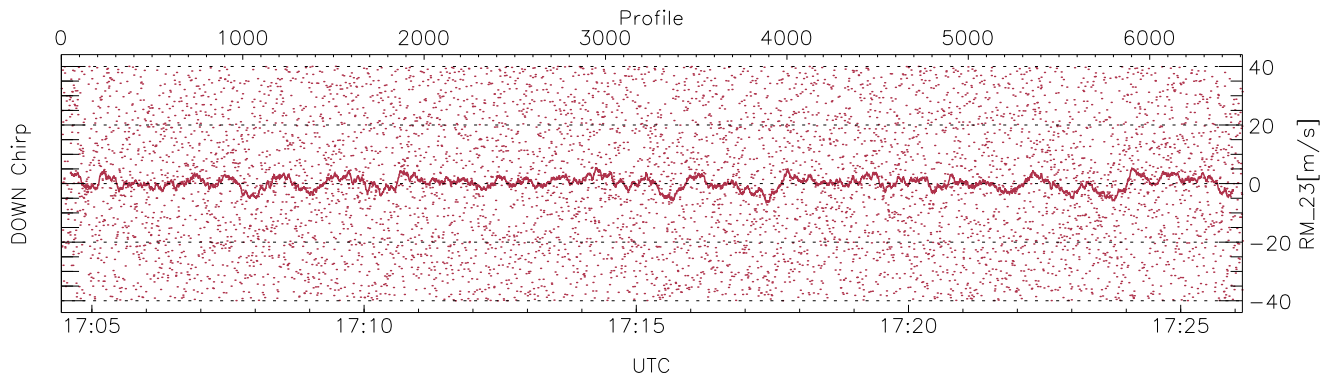
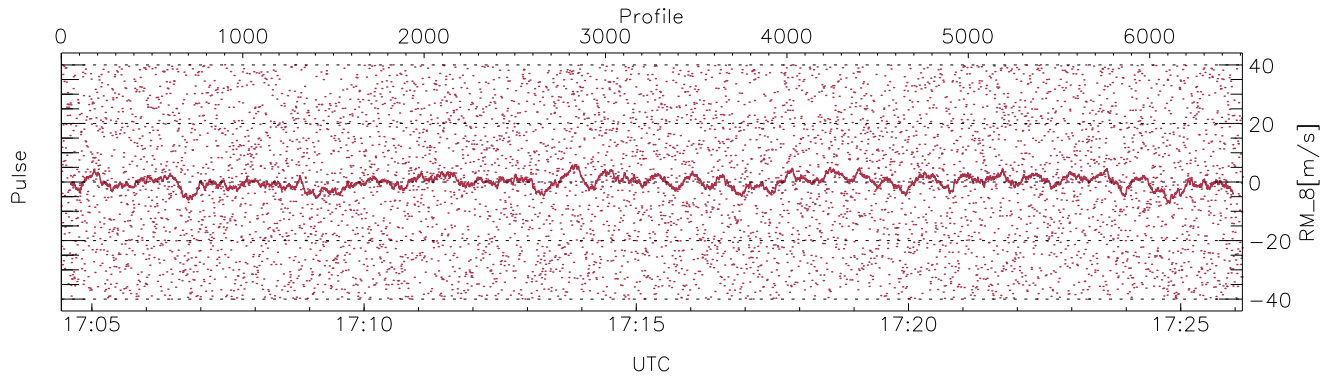
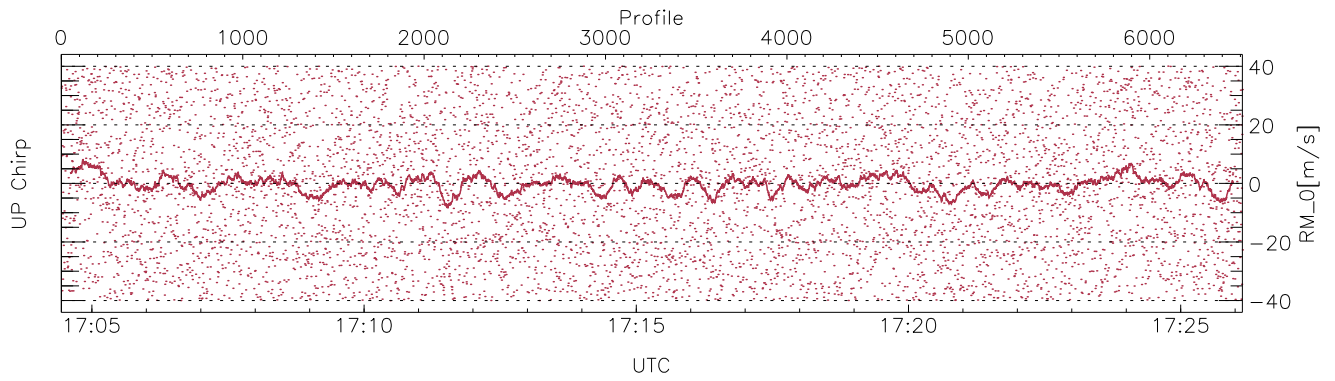
KPR SPP Averaged Received power for all recorded gates
blue: 170426-171517, 3257 profiles averaged
red: 171517-172608, 3256 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 170426-171517, 3257 profiles averaged
red: 171517-172608, 3256 profiles averaged

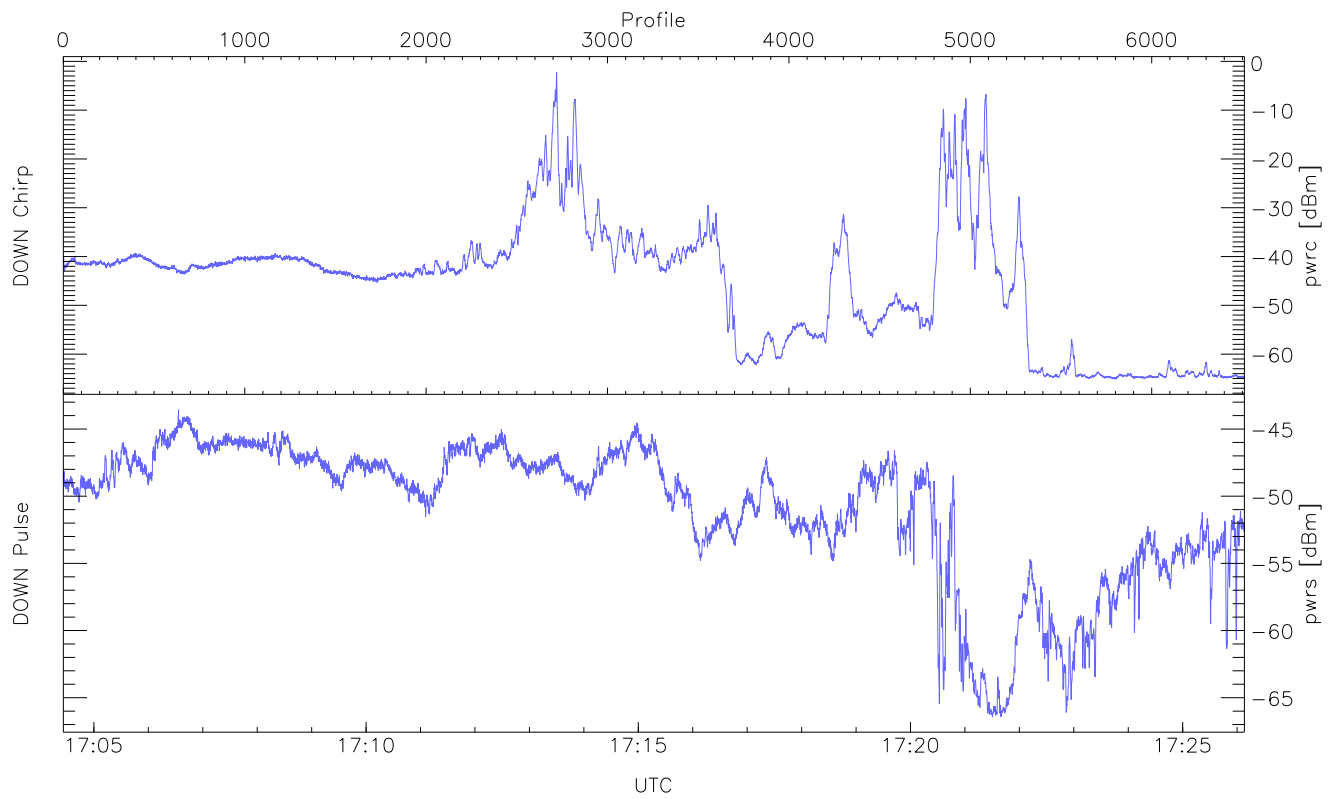
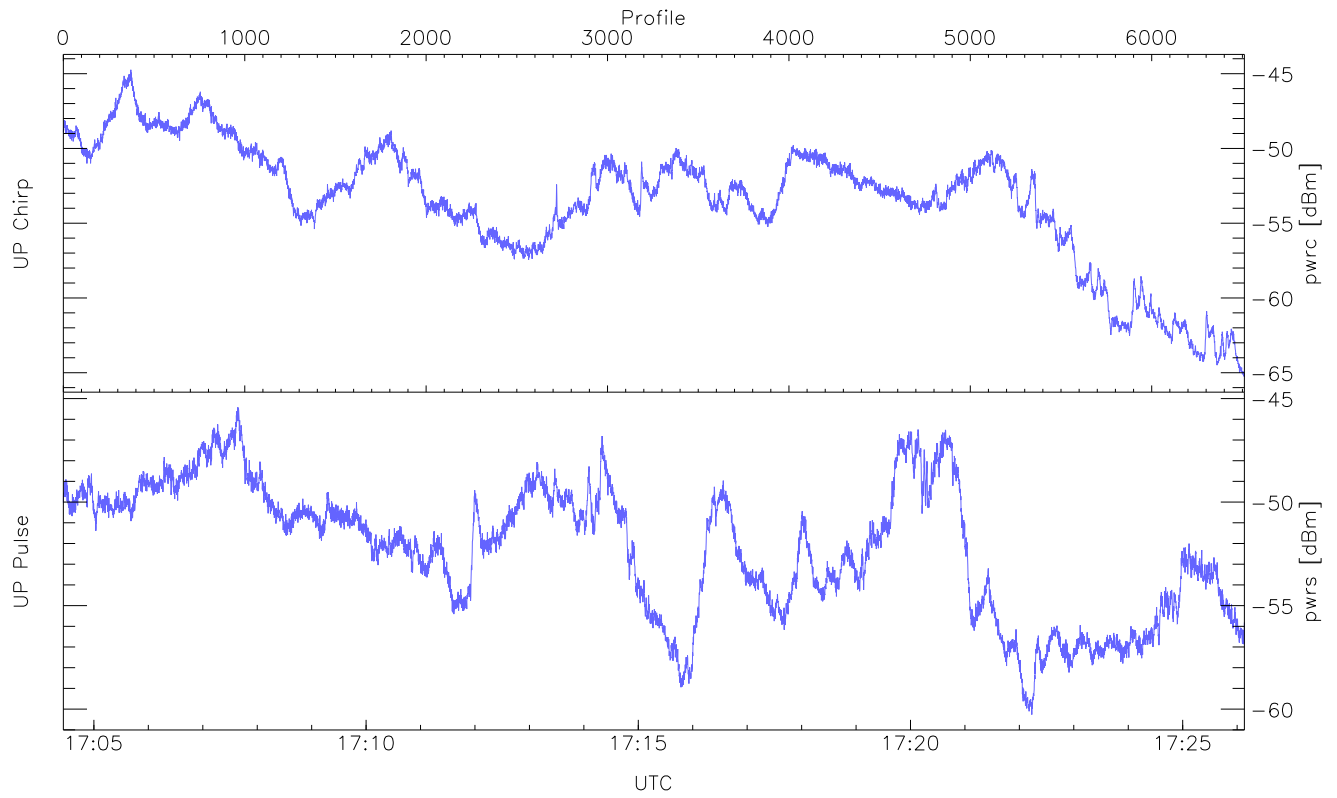


KPR SPP Averaged PP magnitude for all recorded gates
blue: 170426-171517, 3257 profiles averaged
red: 171517-172608, 3256 profiles averaged



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

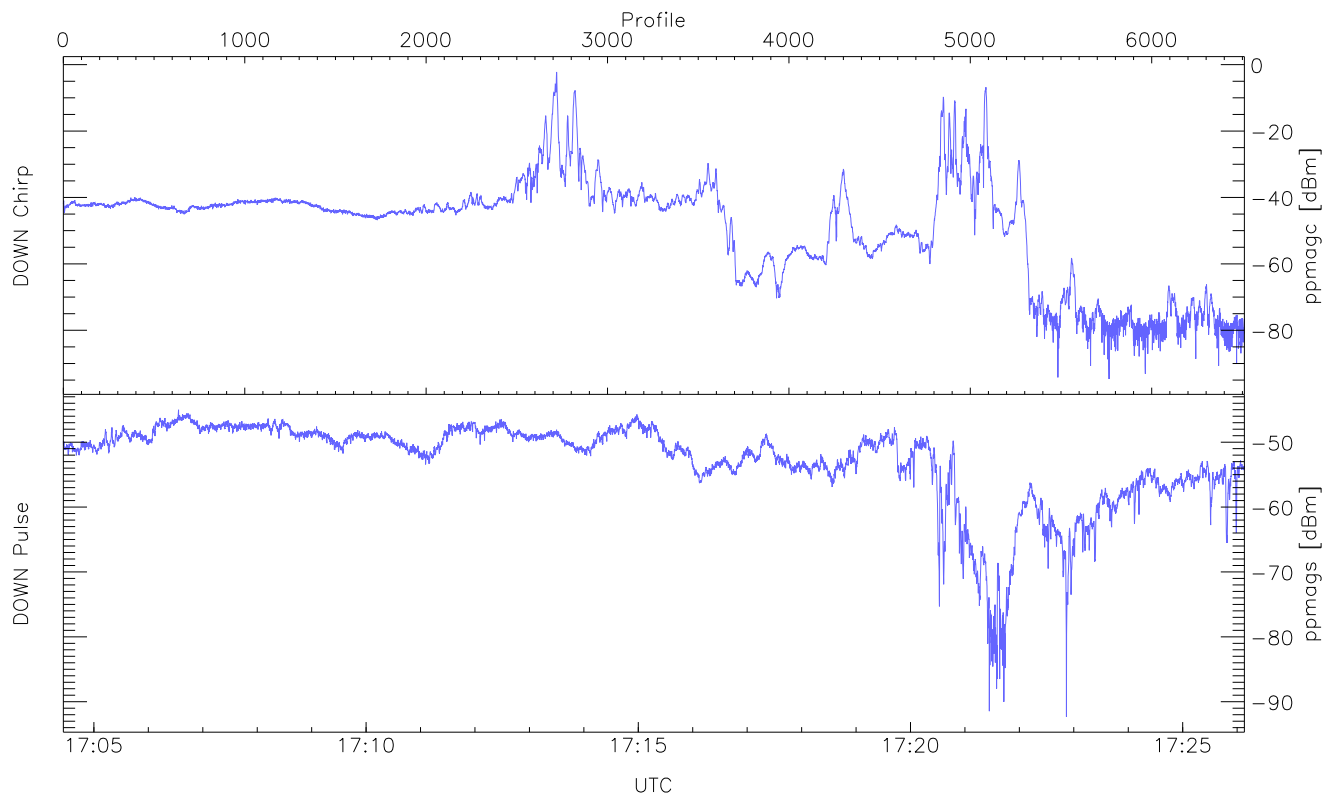
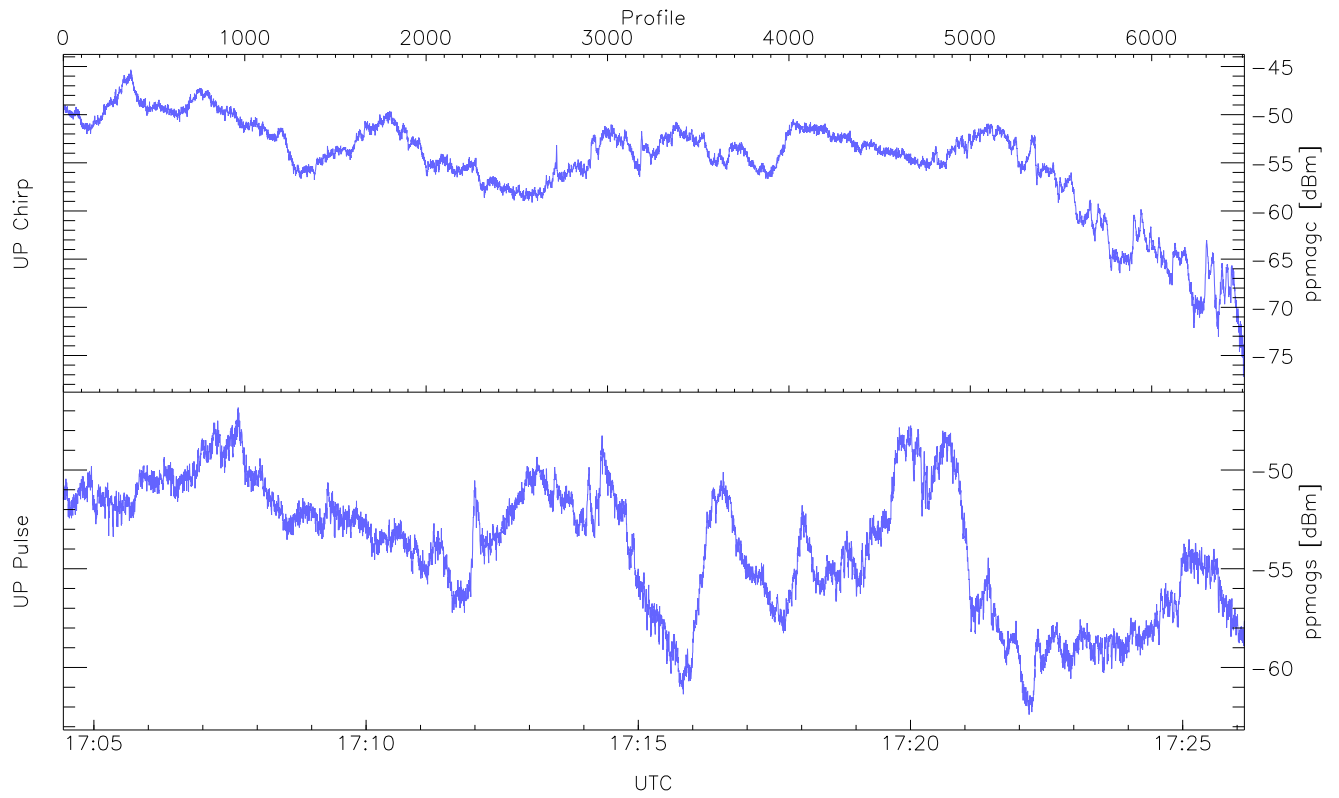
	Min	Max	Mean	Median	StDev
UP_C_RM_0	-40.04	40.05	-0.34	-0.44	22.97
UP_P_RM_8	-40.04	40.06	-0.16	0.18	22.69
DOWN_C_RM_23	-40.04	40.04	0.11	-0.01	22.70
DOWN_P_RM_28	-40.03	40.06	0.34	0.32	22.69



KPR SPP Received Power for Chirp Range gate 10 (1315.8 m)

KPR SPP Received Power for Pulse Range gate 10 (466.6 m)

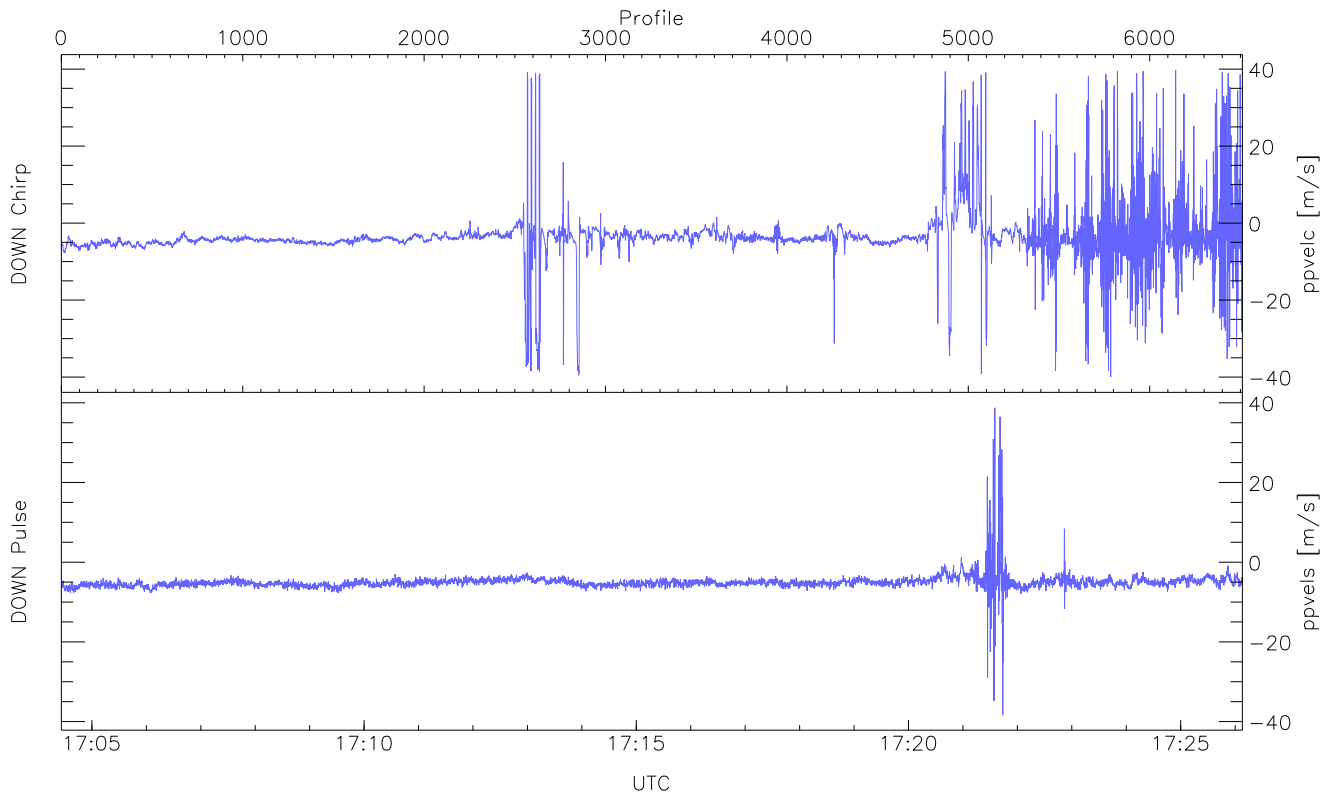
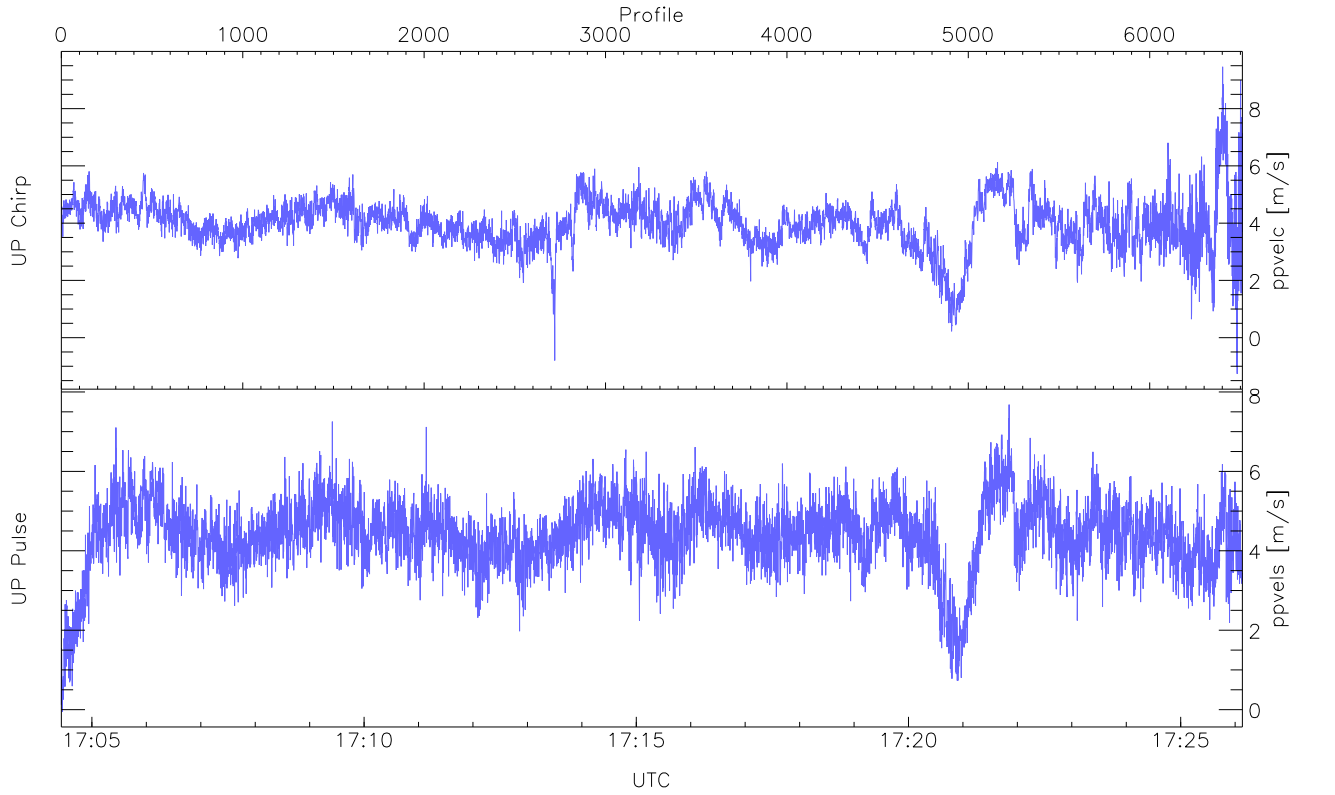
	Min	Max	Mean
UP Chirp(dBm)	-65.28	-44.74	-51.95
UP Pulse(dBm)	-60.27	-45.43	-51.25
DOWN Chirp(dBm)	-65.11	-2.17	-26.25
DOWN Pulse(dBm)	-66.42	-43.56	-49.04



KPR SPP PPMAG for Chirp Range gate 10 (1315.8 m)

KPR SPP PPMAG for Pulse Range gate 10 (466.6 m)

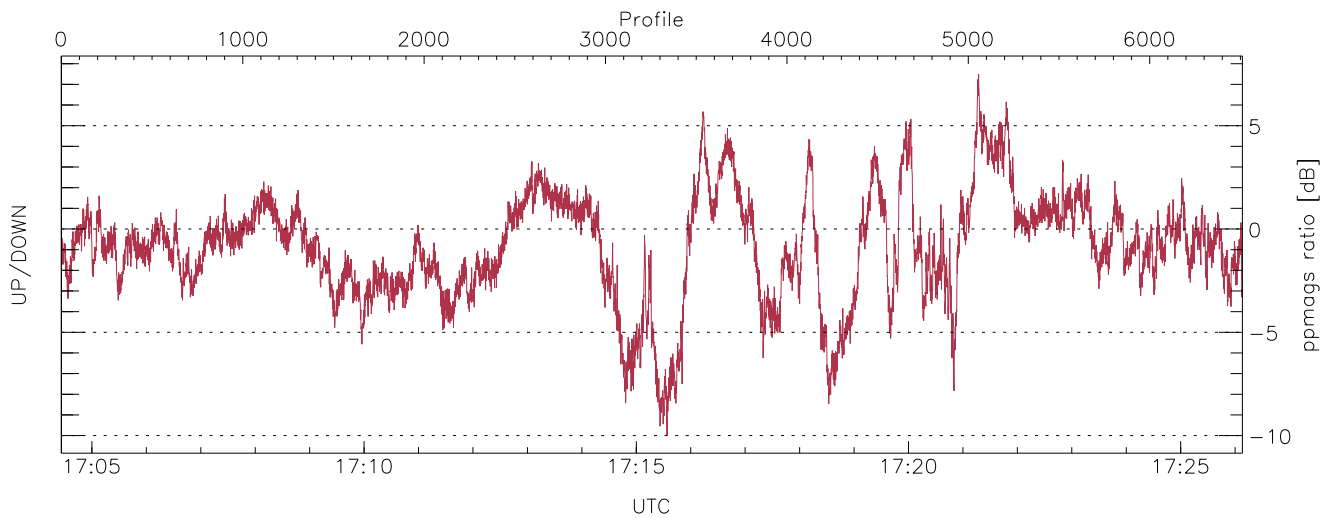
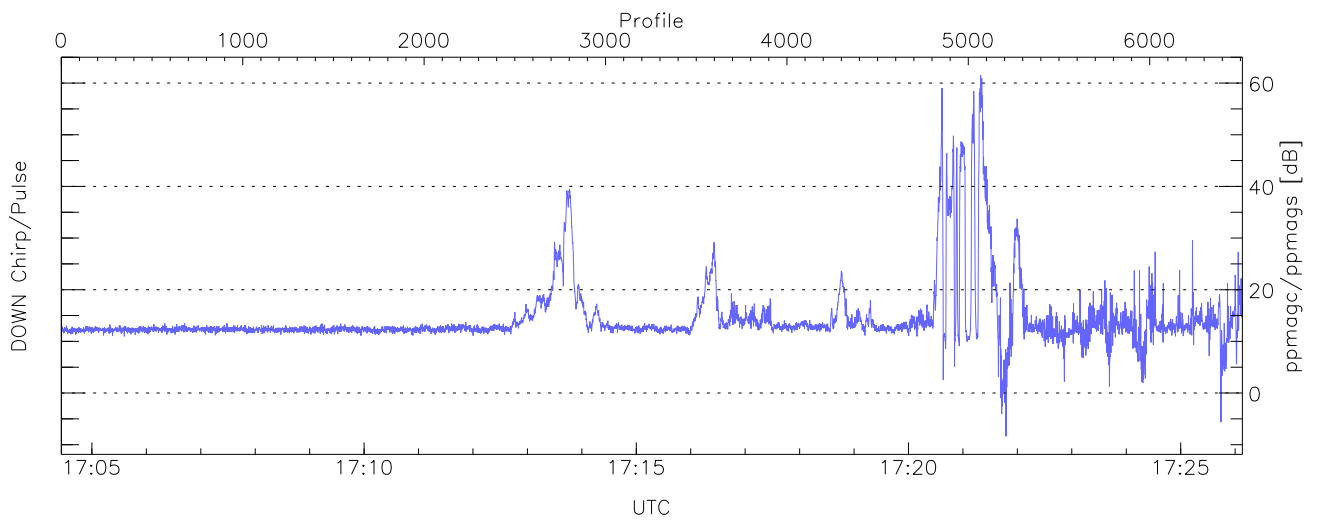
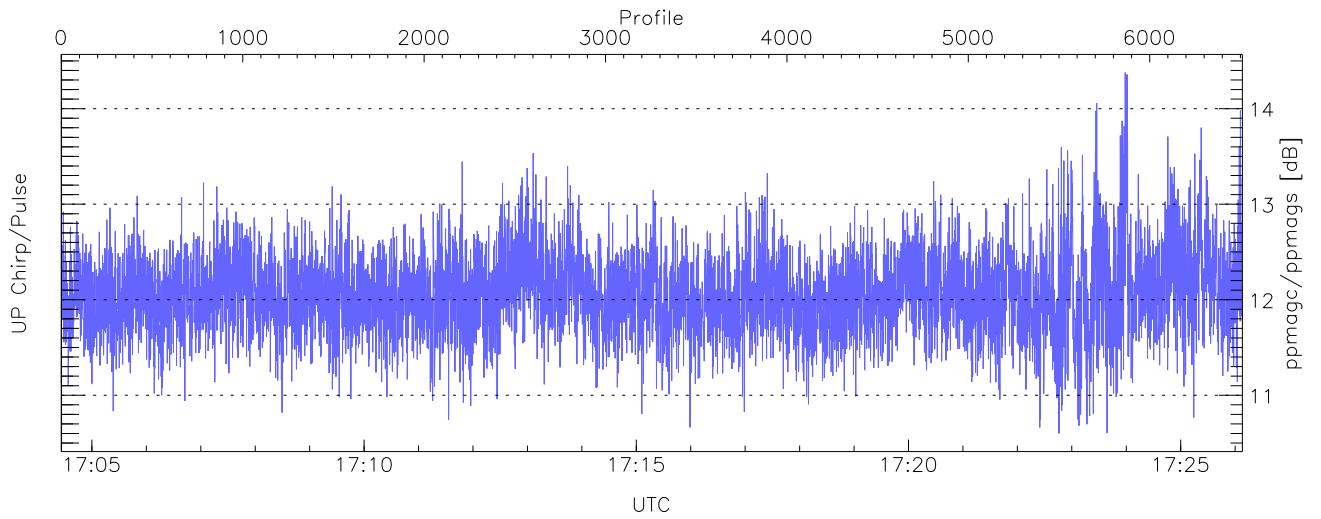
	Min	Max	Mean
UP Chirp(dBm)	-77.22	-45.34	-52.95
UP Pulse(dBm)	-62.39	-46.83	-52.80
DOWN Chirp(dBm)	-94.68	-2.21	-27.16
DOWN Pulse(dBm)	-92.33	-45.00	-50.55



KPR SPP PPVEL for Chirp Range gate 10 (1315.8 m)

KPR SPP PPVEL for Pulse Range gate 10 (466.6 m)

	Min	Max	Mean
UP Chirp(m/s)	-1.26	9.46	3.99
UP Pulse(m/s)	-0.05	7.68	4.40
DOWN Chirp(m/s)	-39.99	39.78	-3.55
DOWN Pulse(m/s)	-38.30	38.76	-5.07



KPR SPP PPMAG Chirp/Pulse; Range gate: 1046.0m /1066.2m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	10.60	14.38	12.08
DOWN Chirp/Pulse(dBm)	-8.38	61.52	34.80
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-9.98	7.50	-0.18