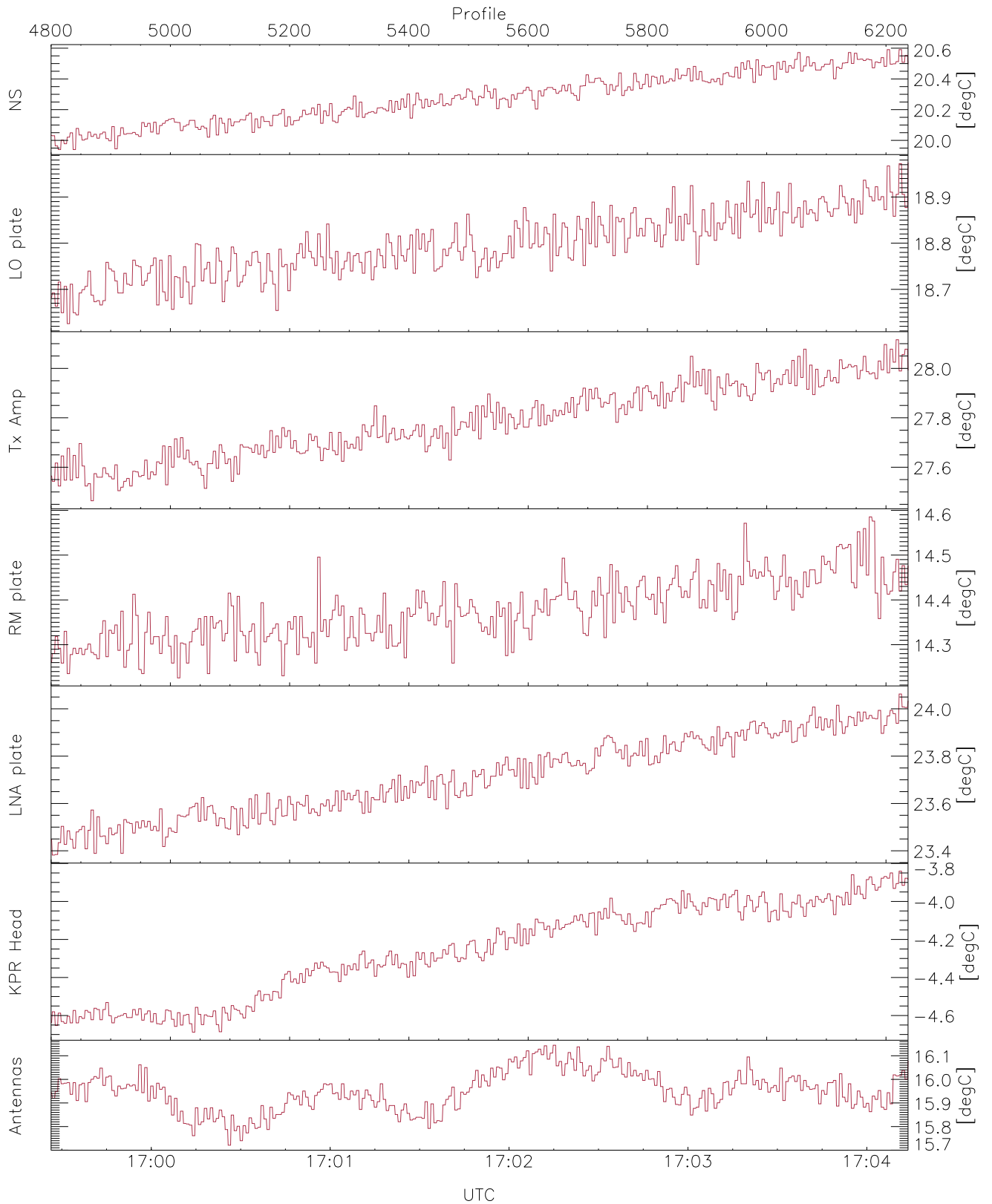


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF  
 UTC: 16:43:26-17:04:14, TimeCor: 0.00s, Dur: 287.42s  
 TimeInt(min,max,mn,std): 199.7,200.3,200.0,0.0 ms; PPS: 5.0  
 NumRec(r/t): 1438/6238, 4800-6237/16:59:26-17:04:14  
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 79.8 KB/s  
 Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 2.0 MHz  
 PRF: 18.5 KHz, avgPulses: 1852, avgPP: 926  
 NyquistVel: 38.9 m/s, RangeRes:75.0 m  
 Pulse Range(min,max): 159, 6529 m, Gates: 171  
 Chirp Range(min,max): 1210, 6494 m, Gates: 142  
 RangeGateSampling: 37.5 m, Aspect: 2.1

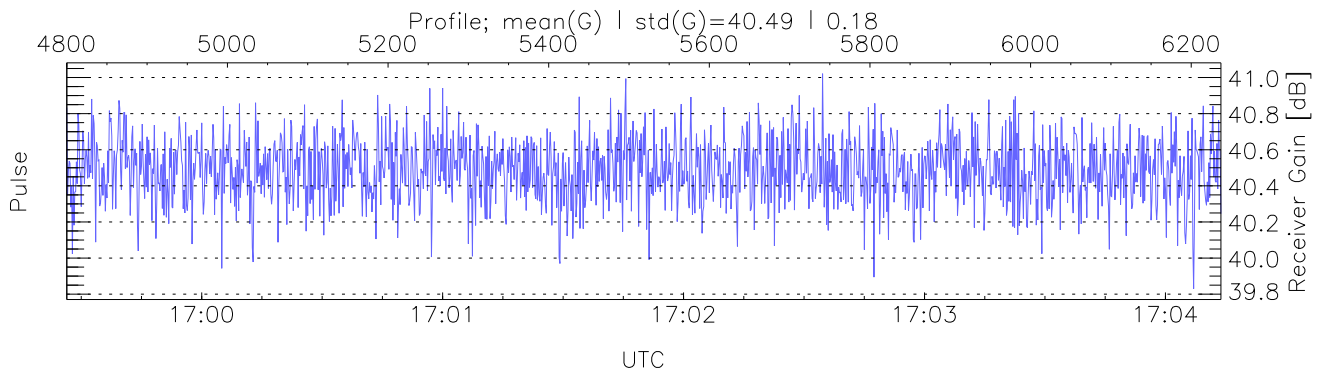
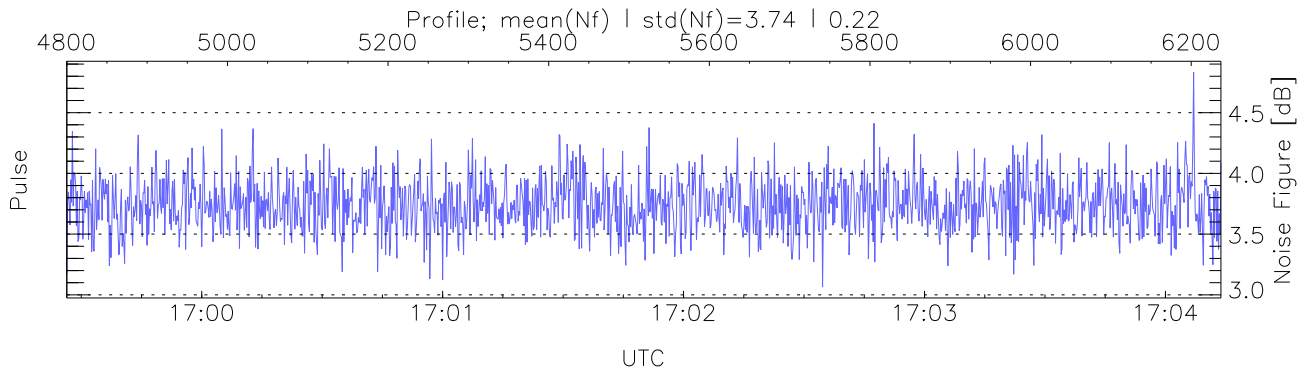
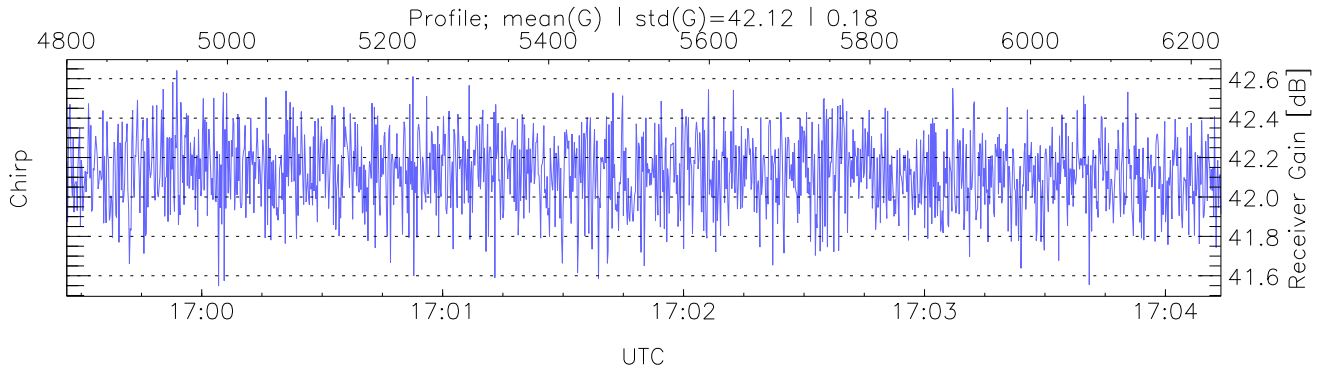
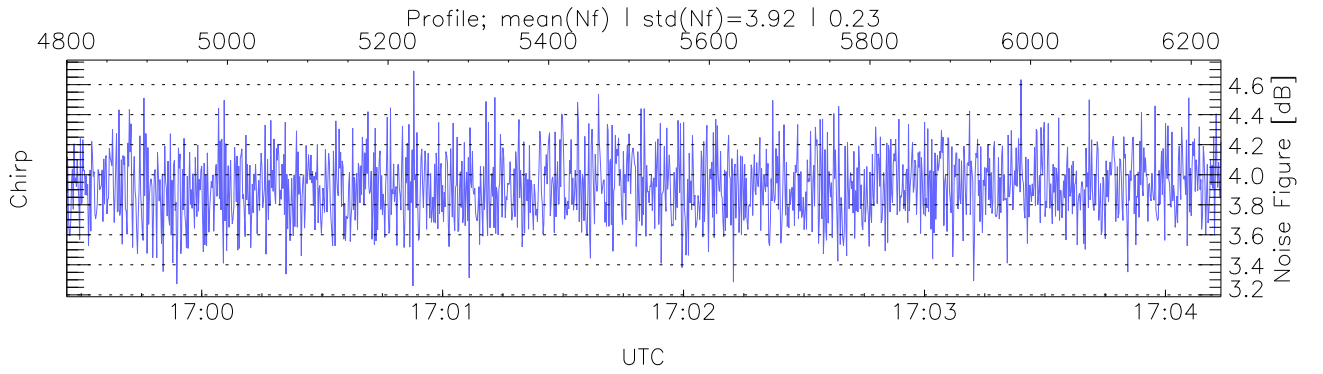


KPR SPP Temperatures, Power Supplies, PLO lock:

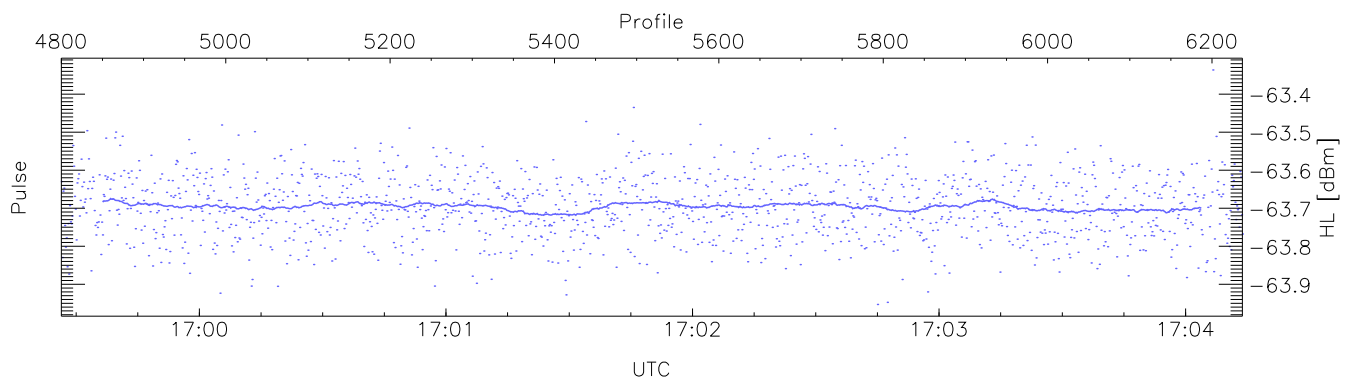
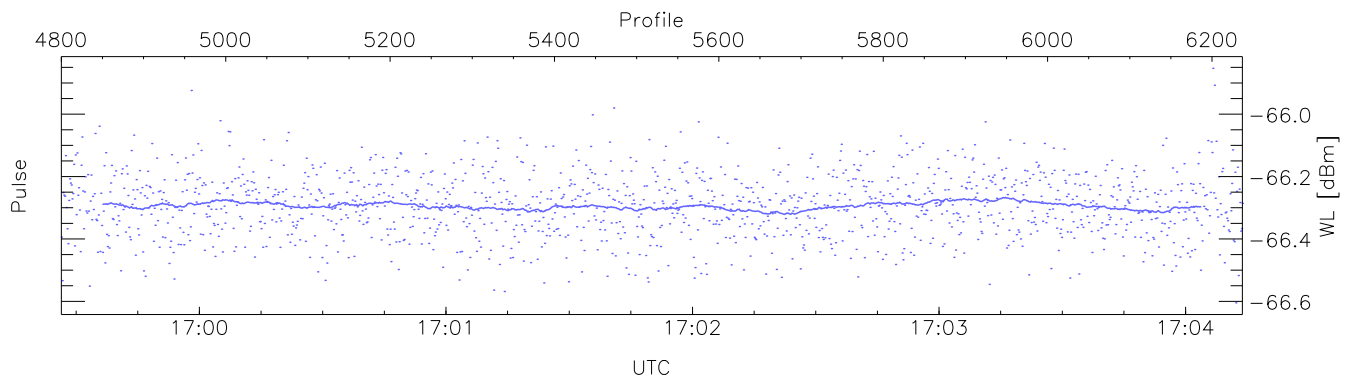
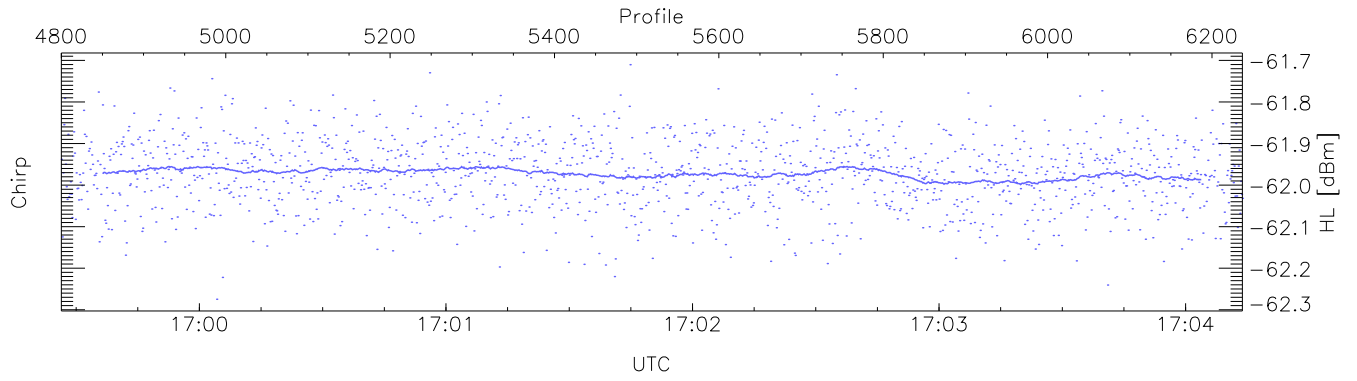
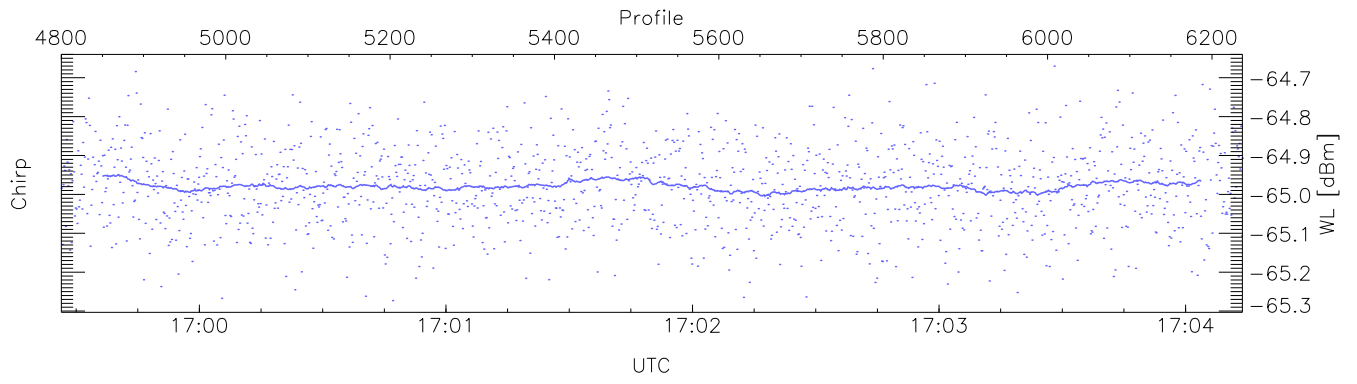
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	19.9,	18.6,	27.5,	14.2,	23.4,	-4.7,	15.7
maxtempC:	20.6,	19.0,	28.1,	14.6,	24.1,	-3.8,	16.1
meantempC:	20.3,	18.8,	27.8,	14.4,	23.7,	-4.3,	16.0

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.88,	11.65,	7.87,	5.21
maxVDC:	27.51,	11.72,	7.90,	5.23
meanVDC:	26.80,	11.68,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

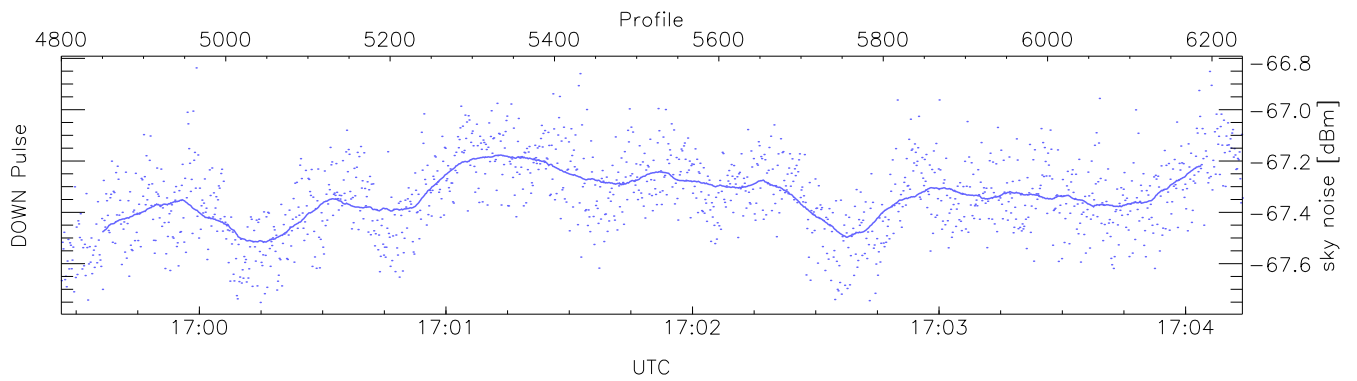
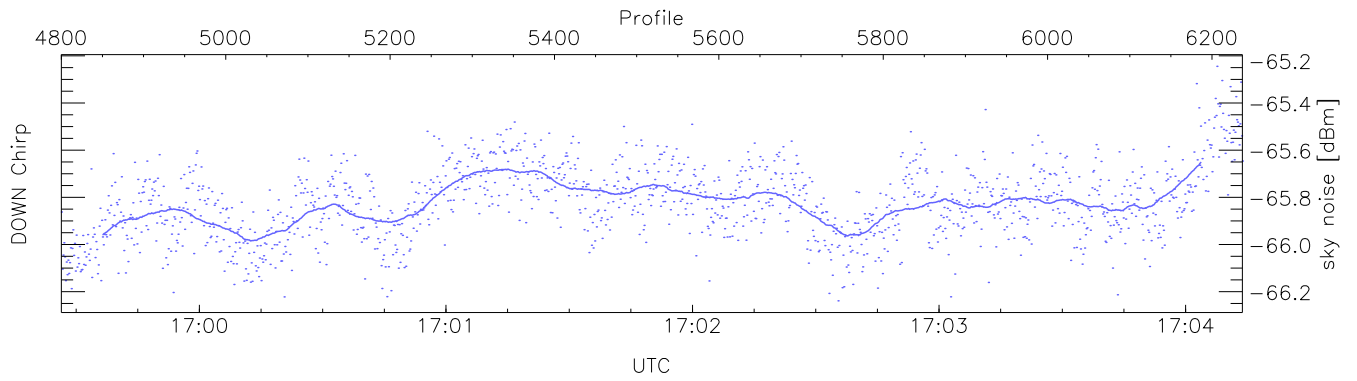
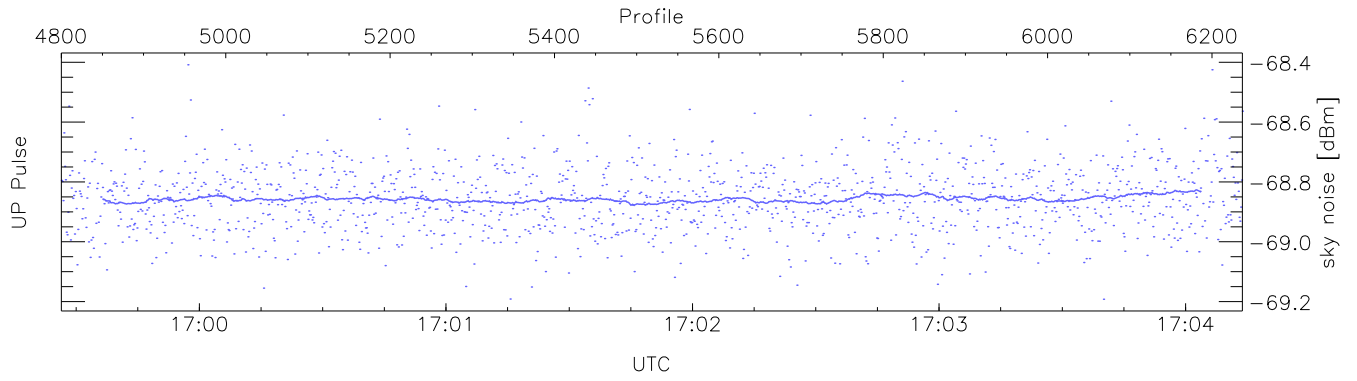
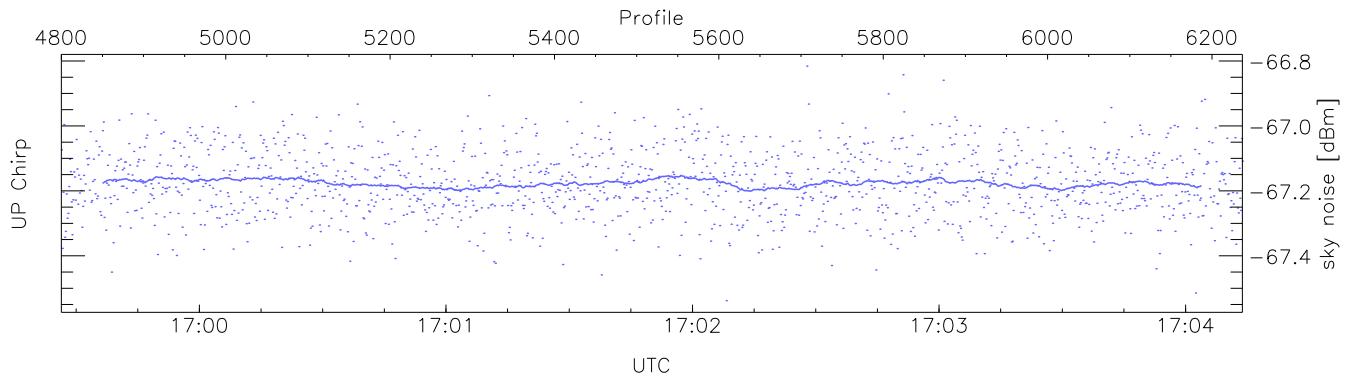


KPR SPP Receiver Gain and Noise Figure



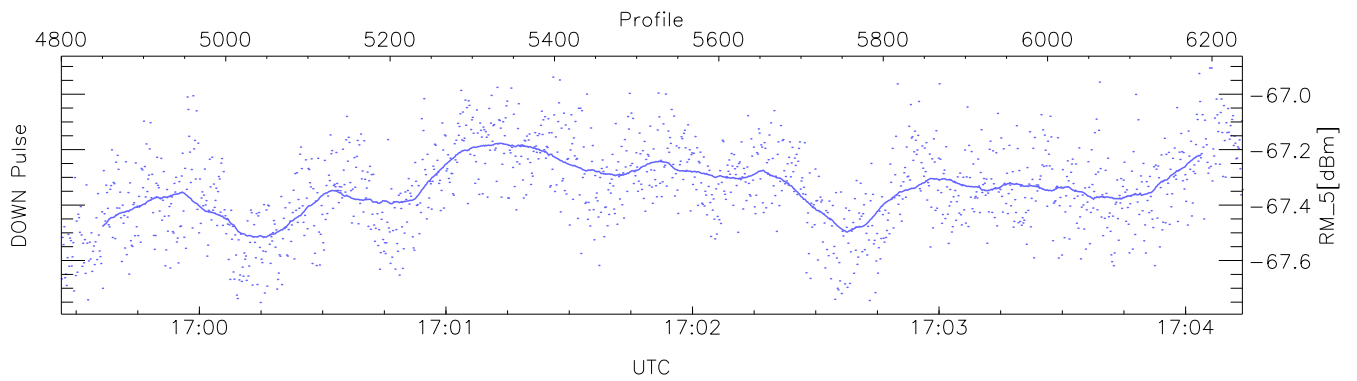
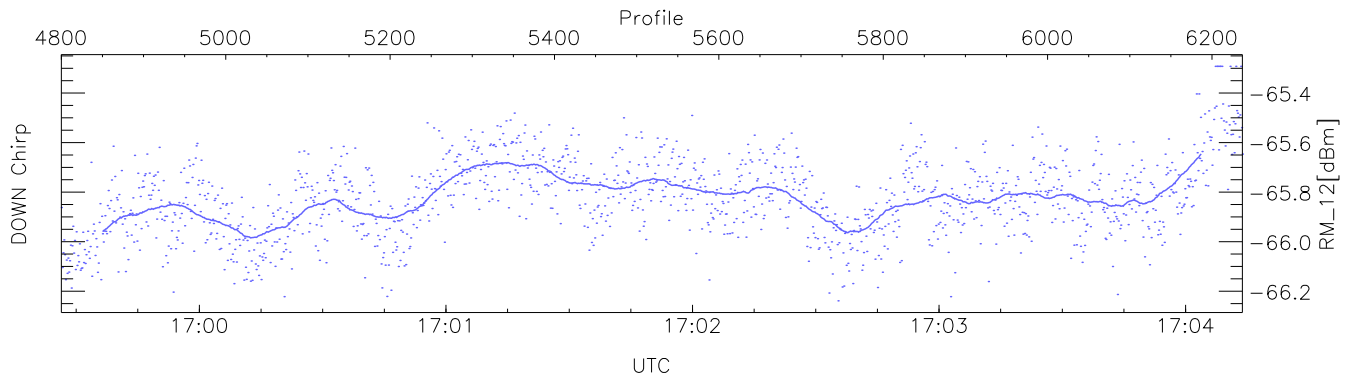
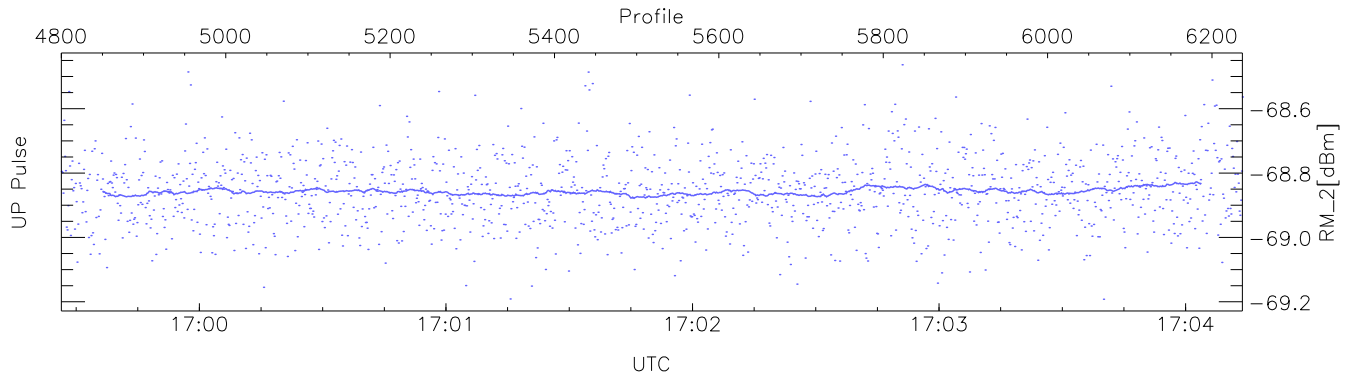
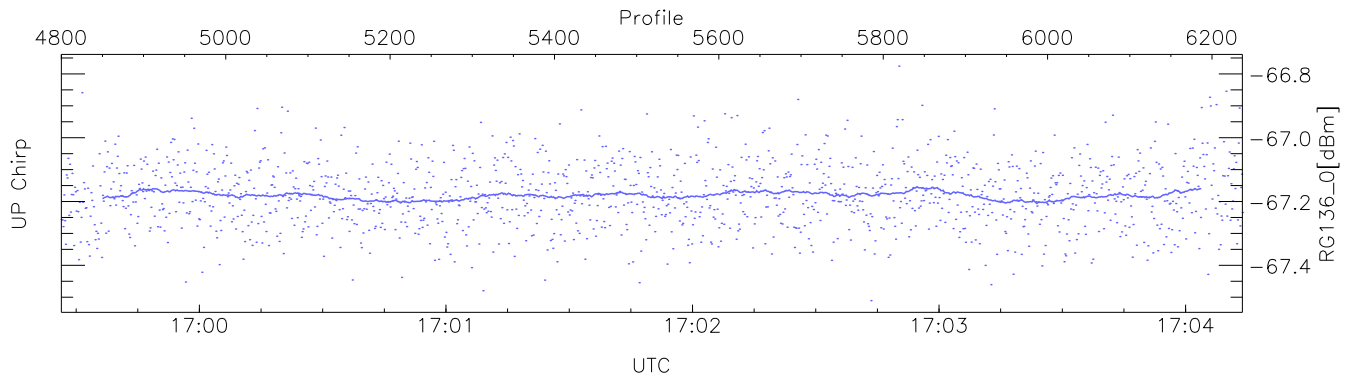
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.27	-64.67	-64.98	-64.98	-81.22
Chirp(HL [dBm])	-62.27	-61.71	-61.97	-61.97	-79.16
Pulse(WL [dBm])	-66.60	-65.85	-66.29	-66.29	-82.65
Pulse(HL [dBm])	-63.95	-63.34	-63.70	-63.70	-80.93



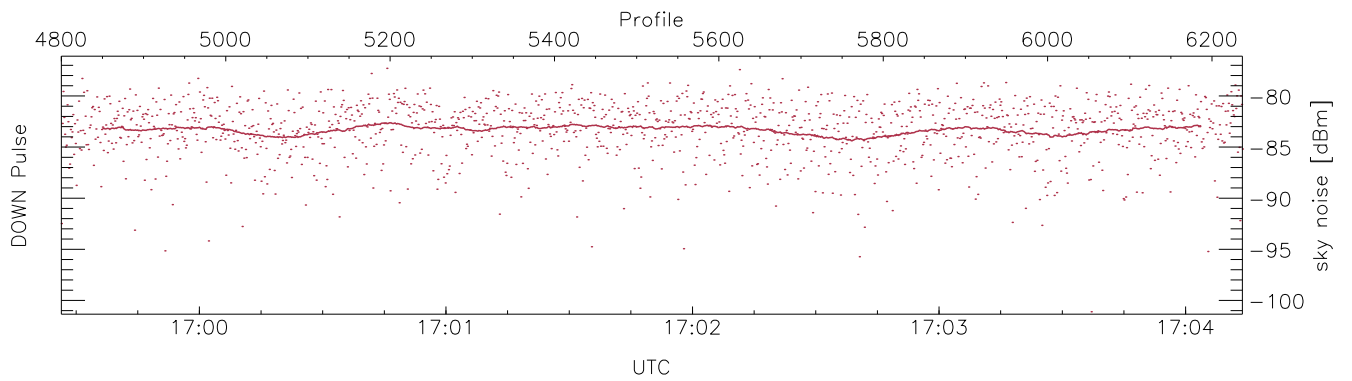
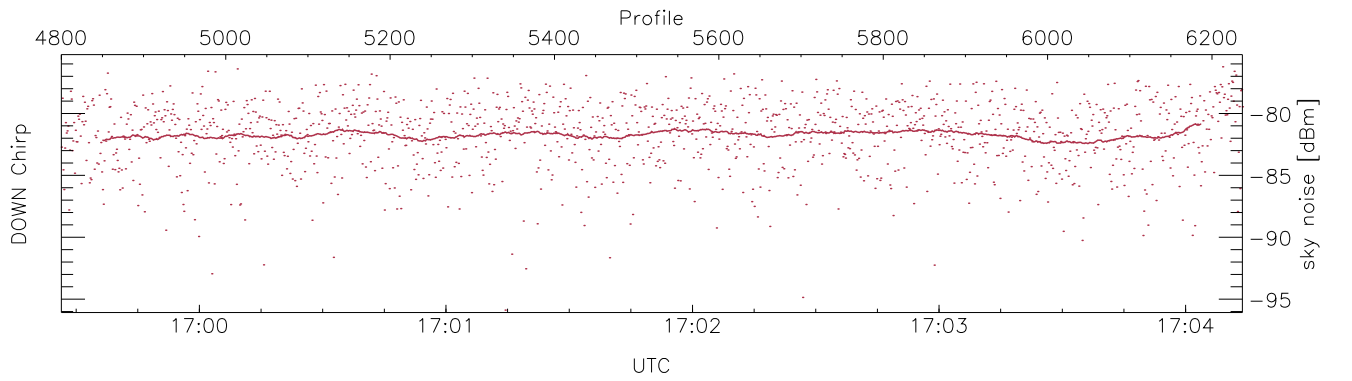
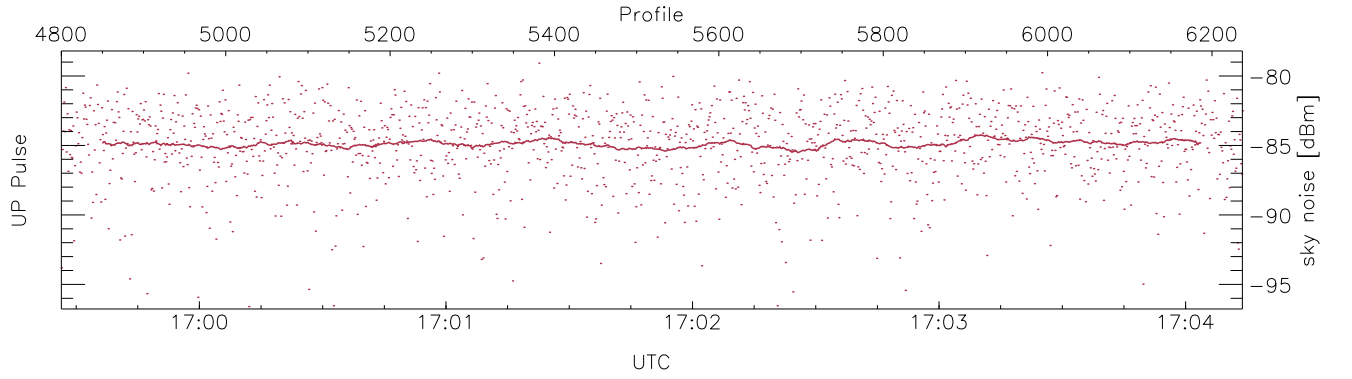
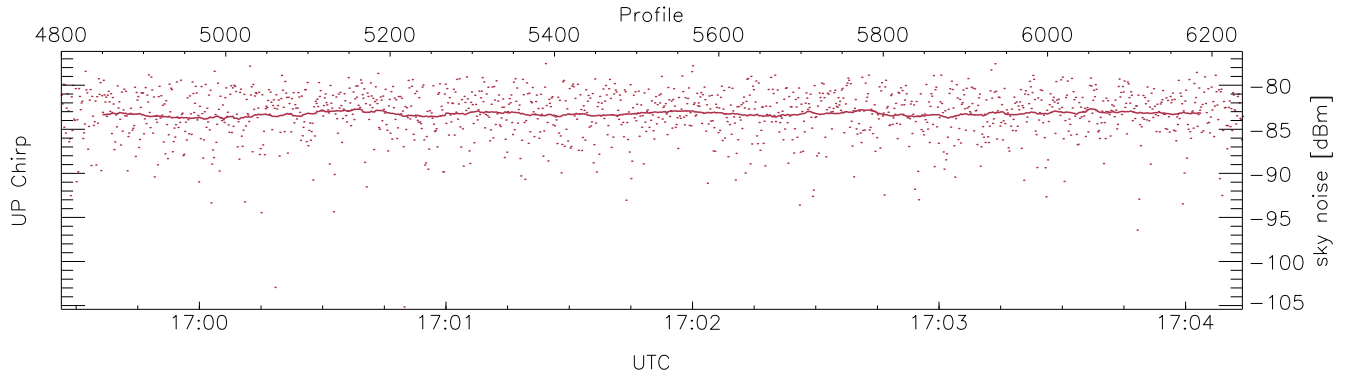
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.54	-66.82	-67.18	-67.18	-83.55
UP Pulse(dBm)	-69.19	-68.41	-68.85	-68.86	-84.89
DOWN Chirp(dBm)	-66.24	-65.24	-65.82	-65.83	-80.35
DOWN Pulse(dBm)	-67.75	-66.84	-67.34	-67.34	-81.77



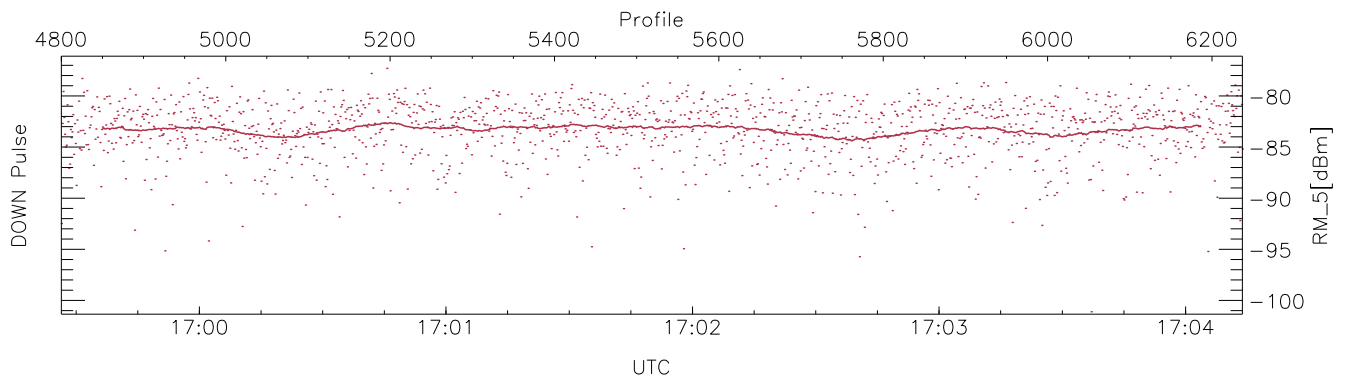
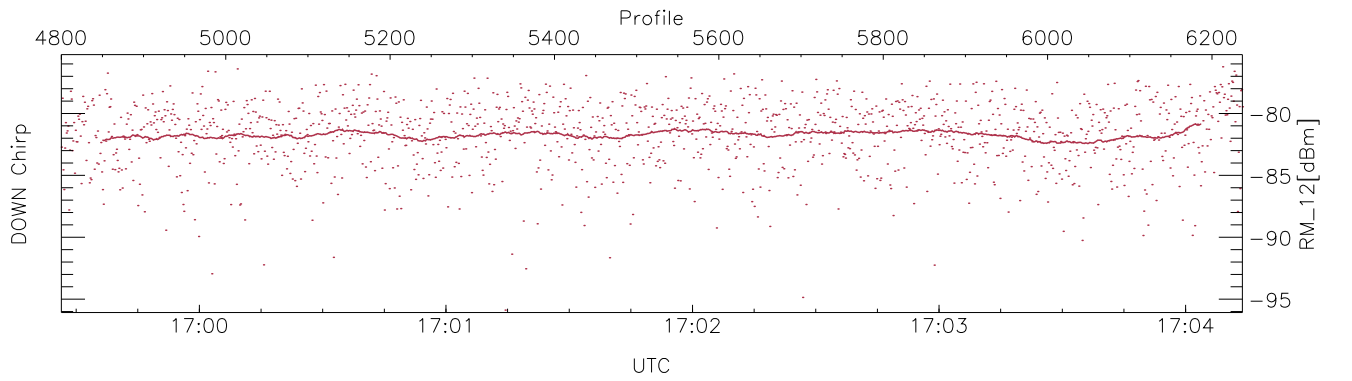
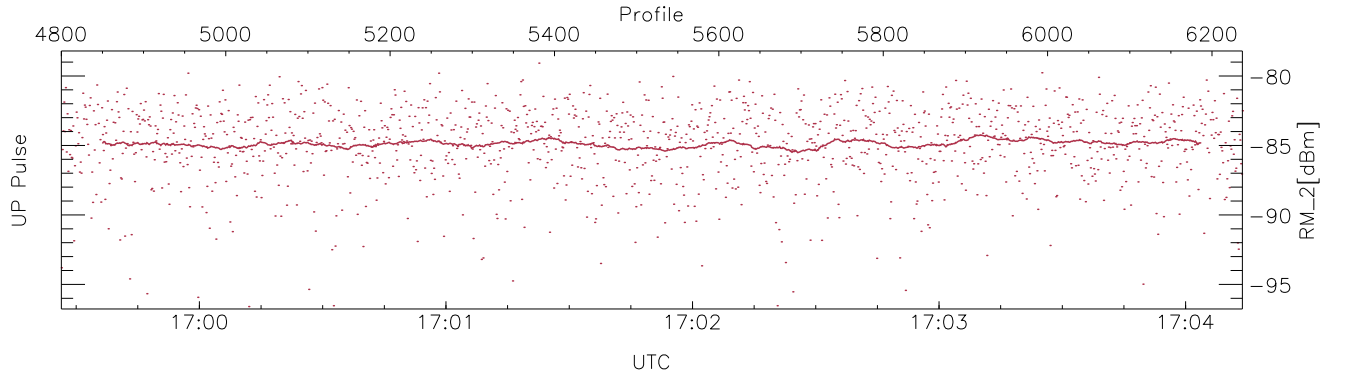
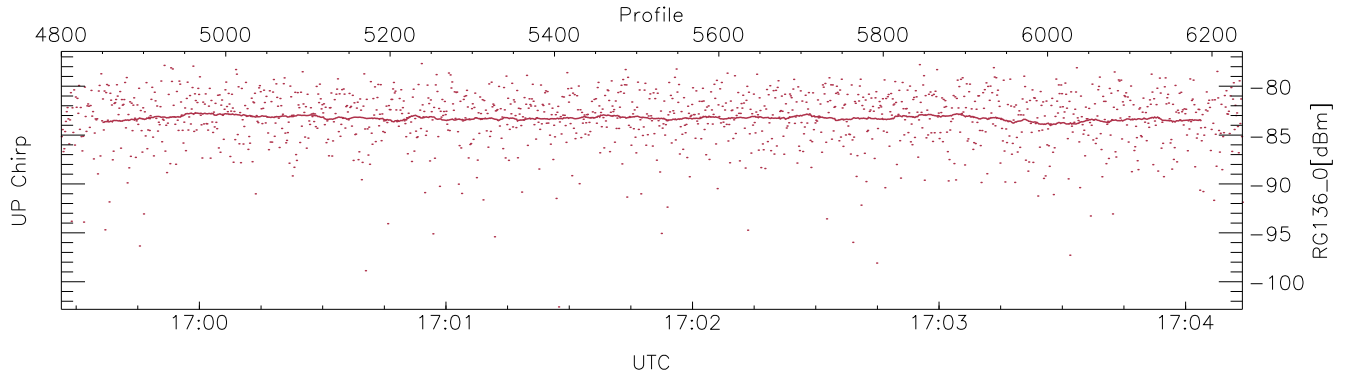
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG136_0	-67.51	-66.78	-67.18	-67.19	-83.48
UP_P_RM_2	-69.19	-68.46	-68.85	-68.86	-84.91
DOWN_C_RM_12	-66.24	-65.29	-65.82	-65.83	-80.32
DOWN_P_RM_5	-67.75	-66.91	-67.34	-67.34	-81.81



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

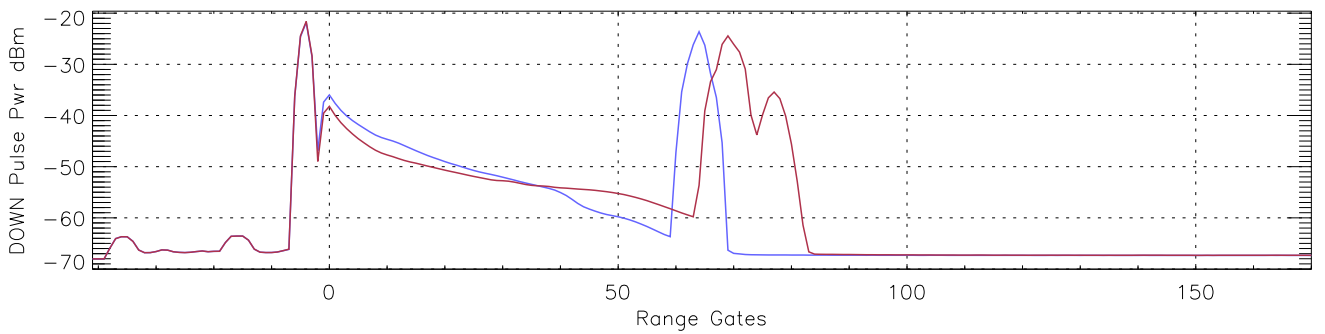
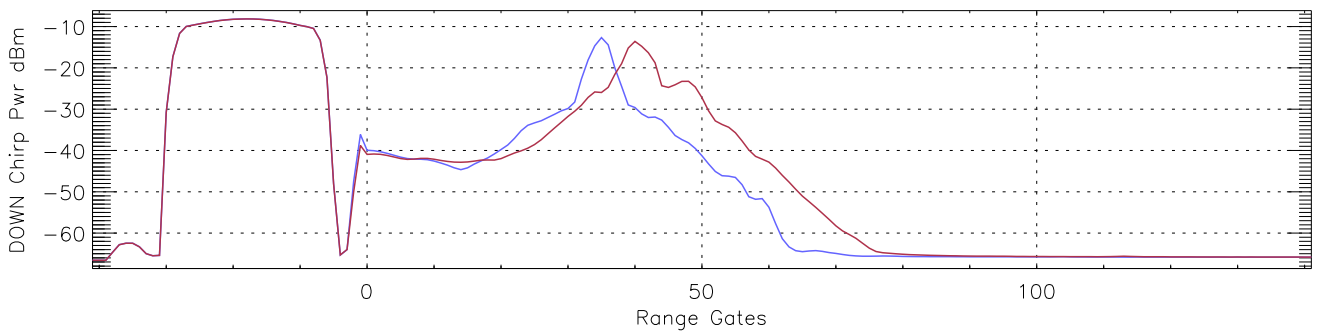
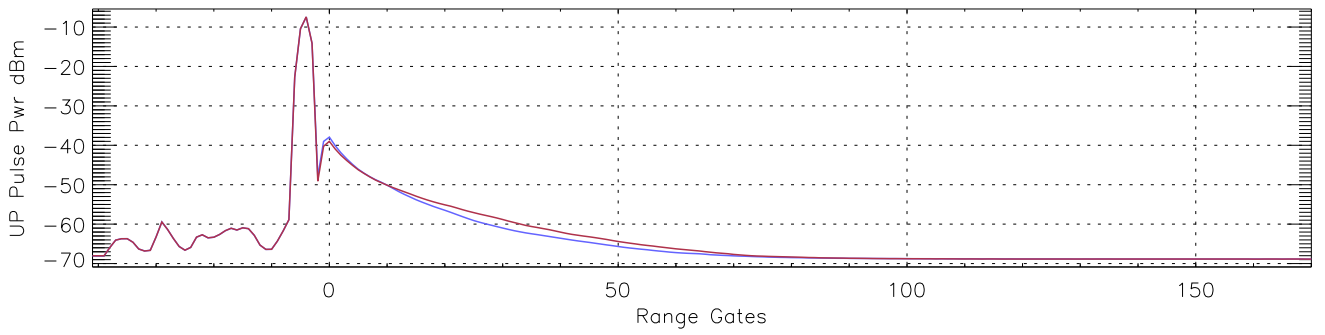
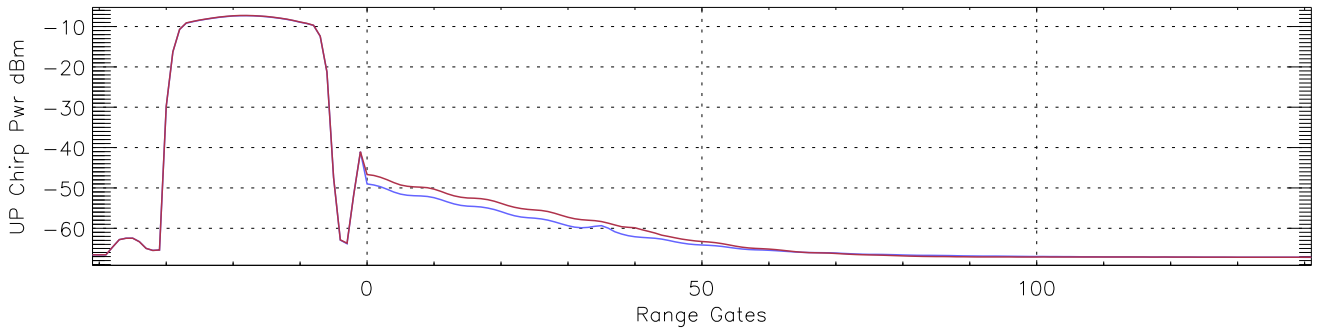
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-105.15	-77.54	-82.54	-82.80	-85.44
UP Pulse(dBm)	-96.59	-79.08	-84.20	-84.48	-87.09
DOWN Chirp(dBm)	-95.89	-76.23	-81.01	-81.28	-83.83
DOWN Pulse(dBm)	-101.11	-77.30	-82.60	-82.85	-85.47



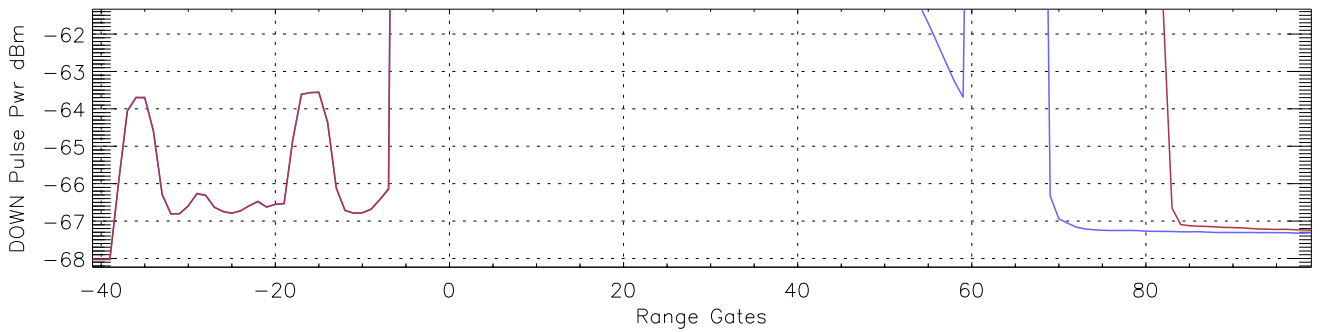
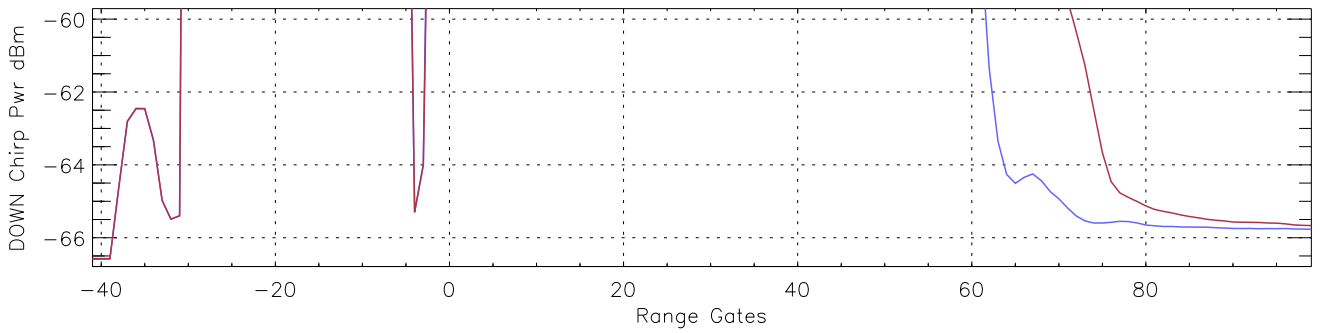
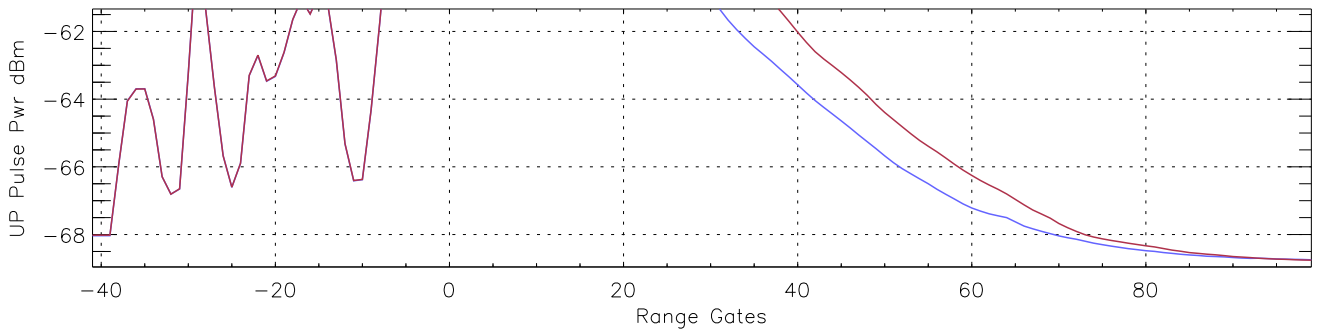
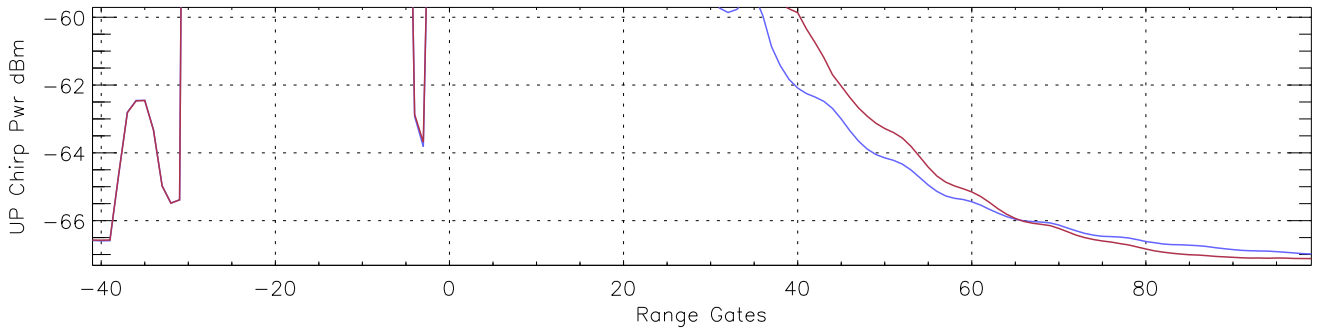
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG136_0	-102.58	-77.69	-82.52	-82.81	-85.26
UP_P_RM_2	-96.59	-79.08	-84.20	-84.48	-87.09
DOWN_C_RM_12	-95.89	-76.23	-81.01	-81.28	-83.83
DOWN_P_RM_5	-101.11	-77.30	-82.60	-82.85	-85.47

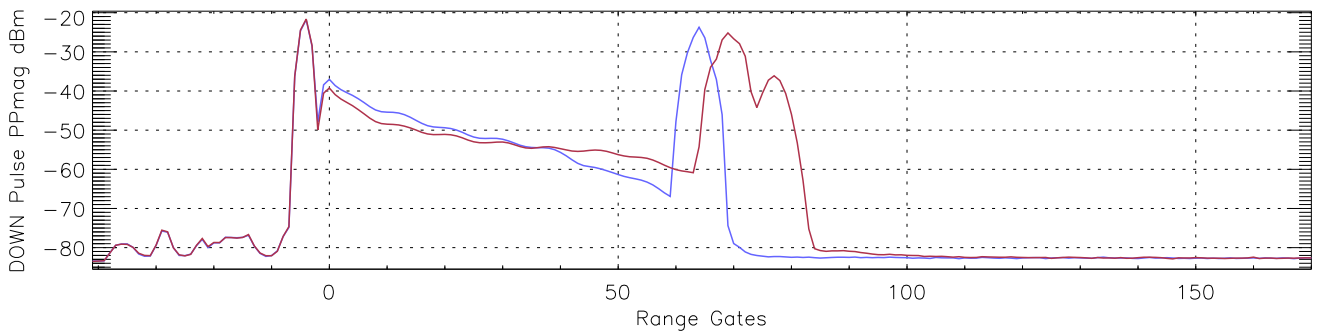
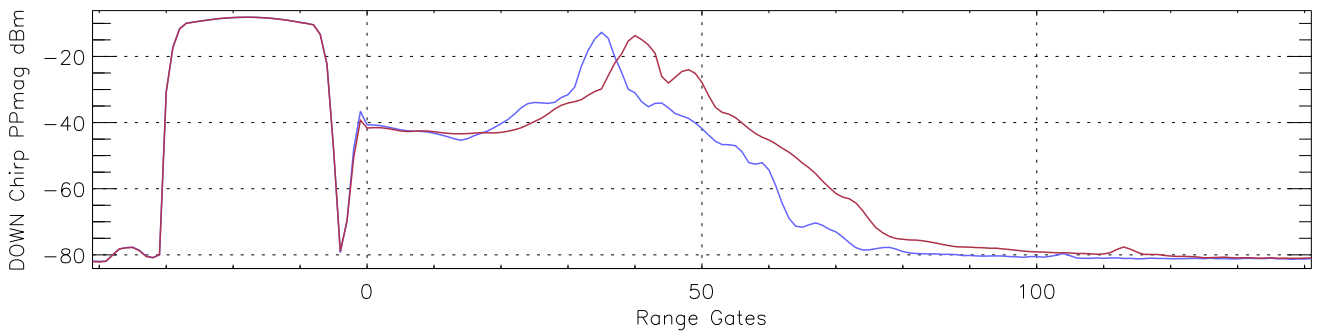
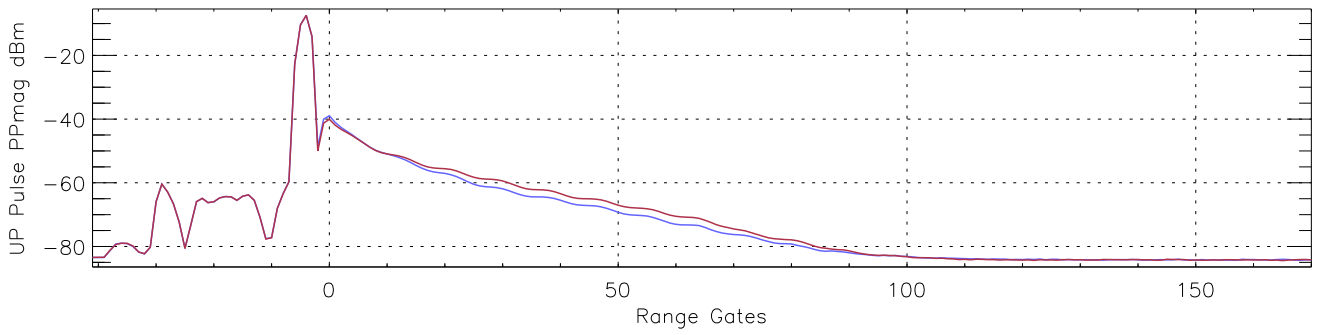
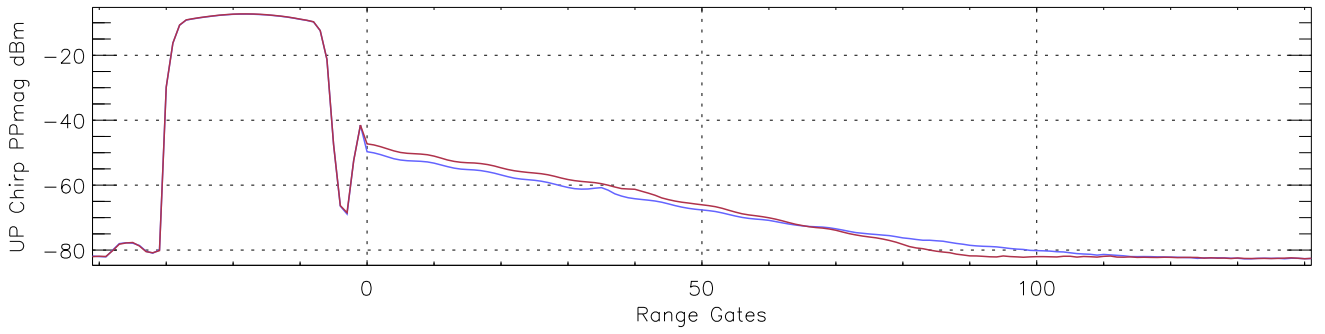




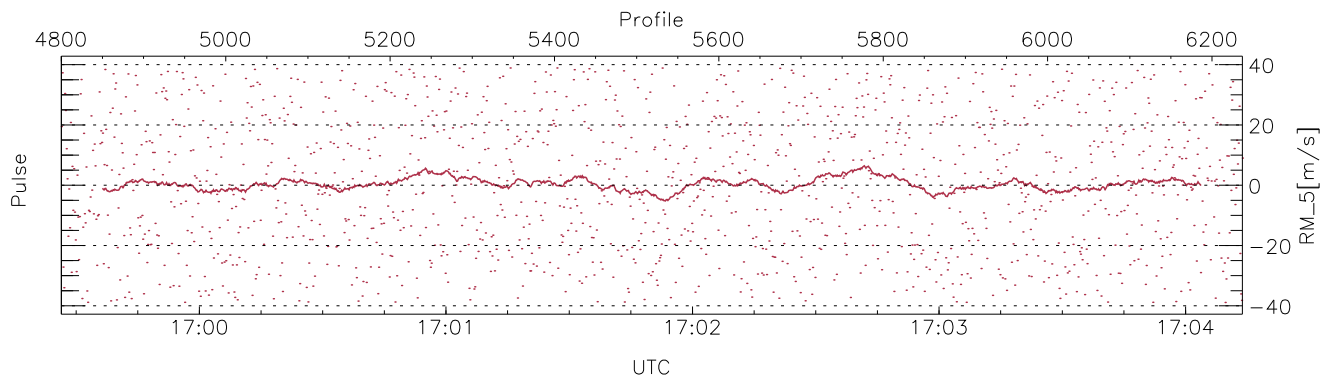
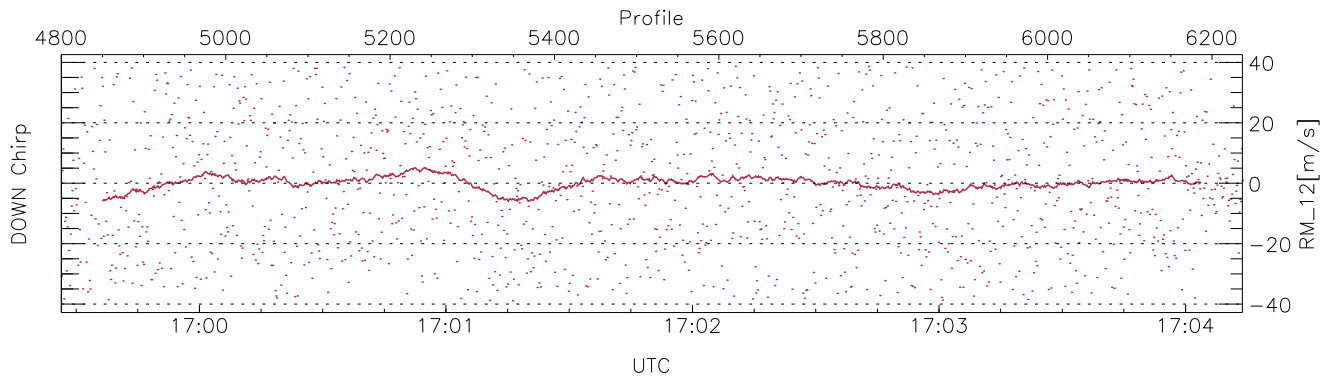
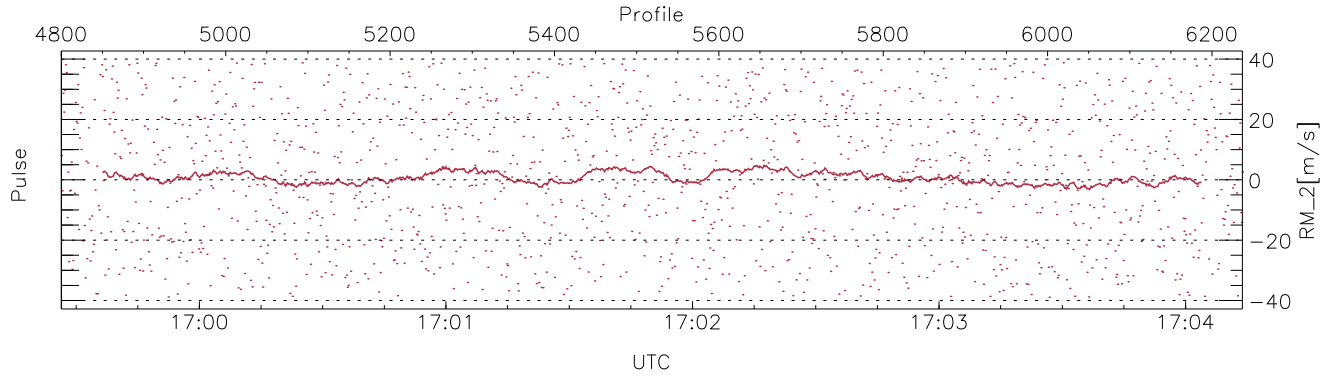
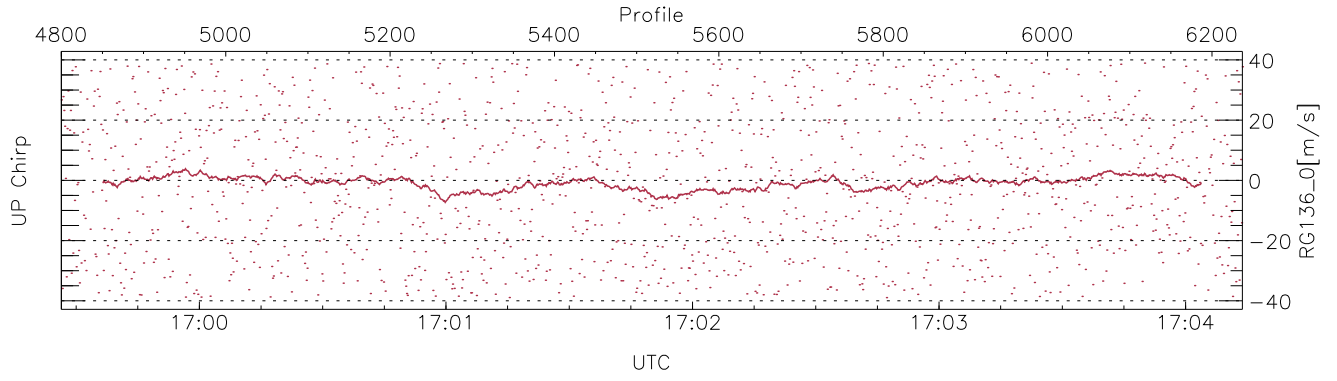
KPR SPP Averaged Received power for all recorded gates  
blue: 165926-170150, 720 profiles averaged  
red: 170150-170414, 719 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 165926-170150, 720 profiles averaged  
red: 170150-170414, 719 profiles averaged

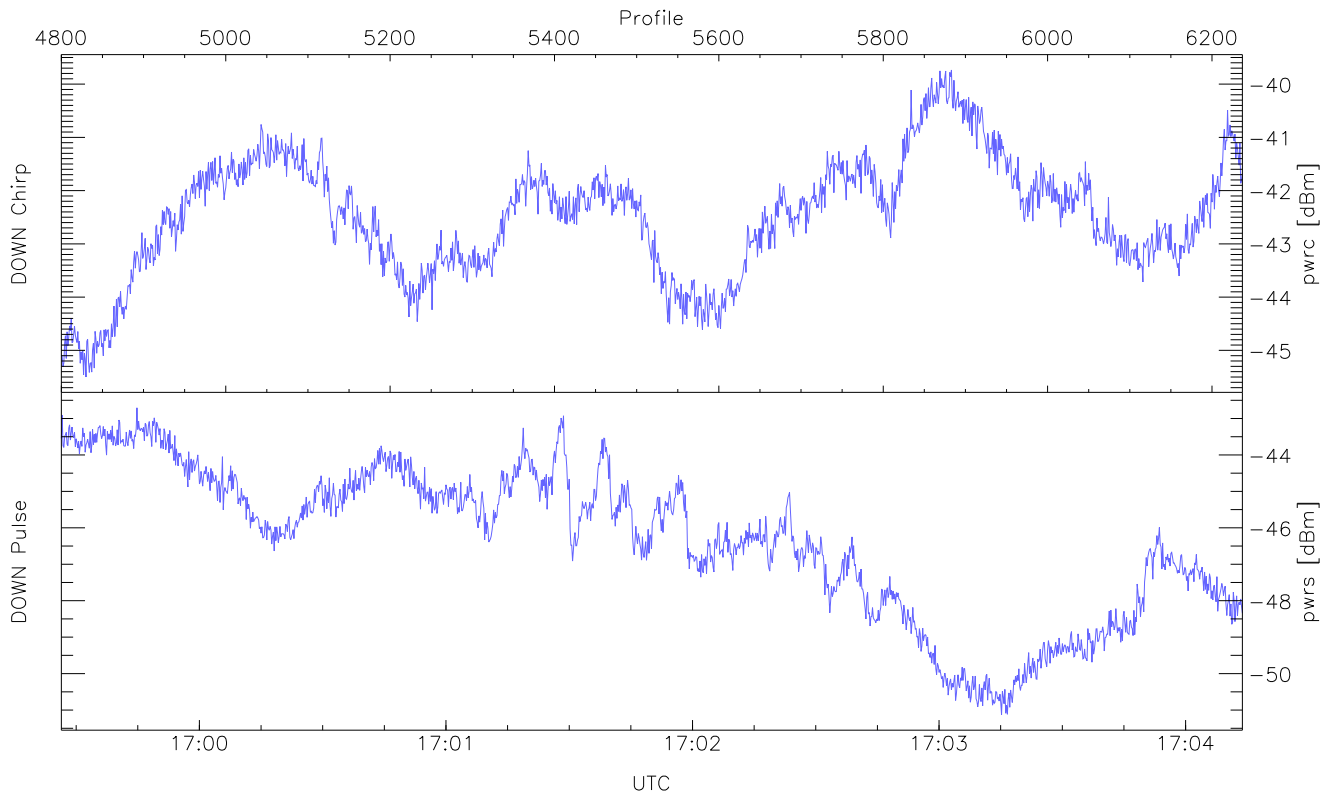
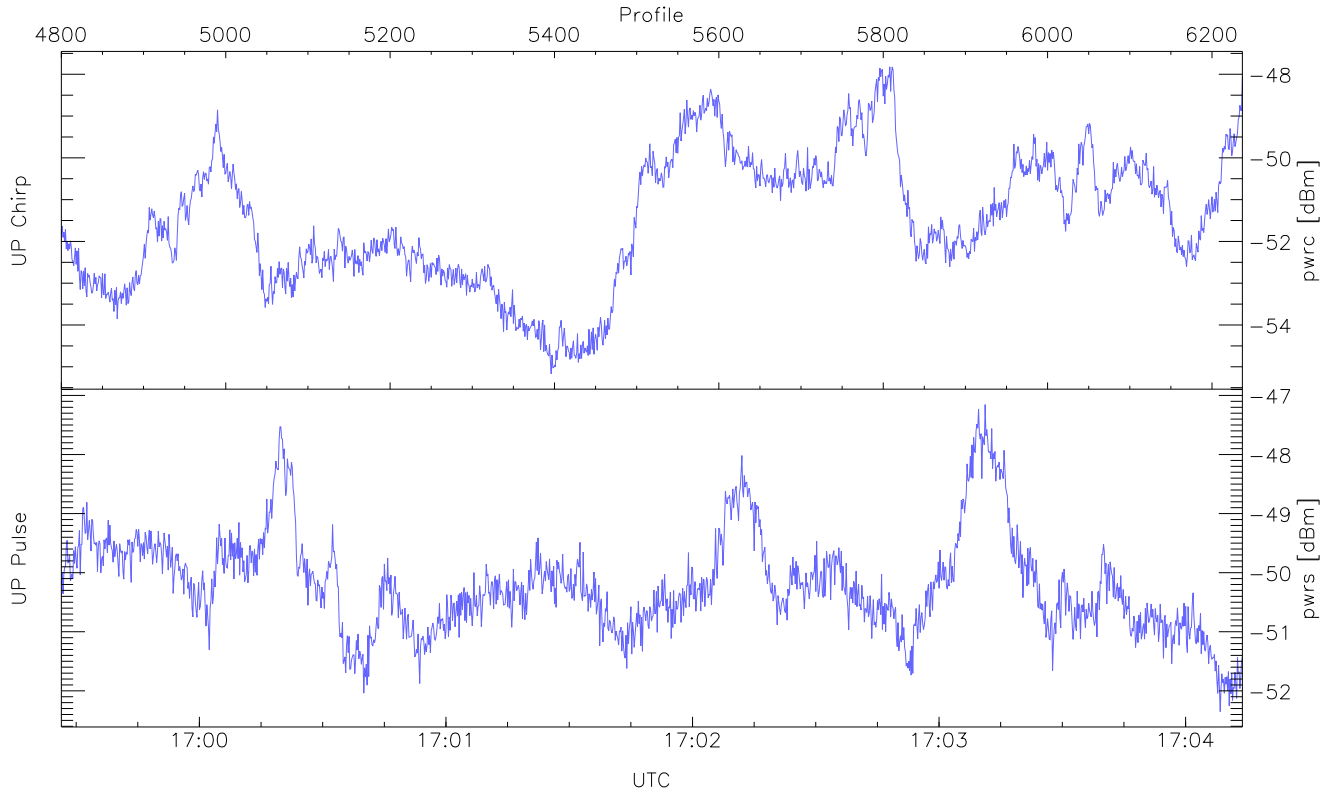


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 165926-170150, 720 profiles averaged  
red: 170150-170414, 719 profiles averaged



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

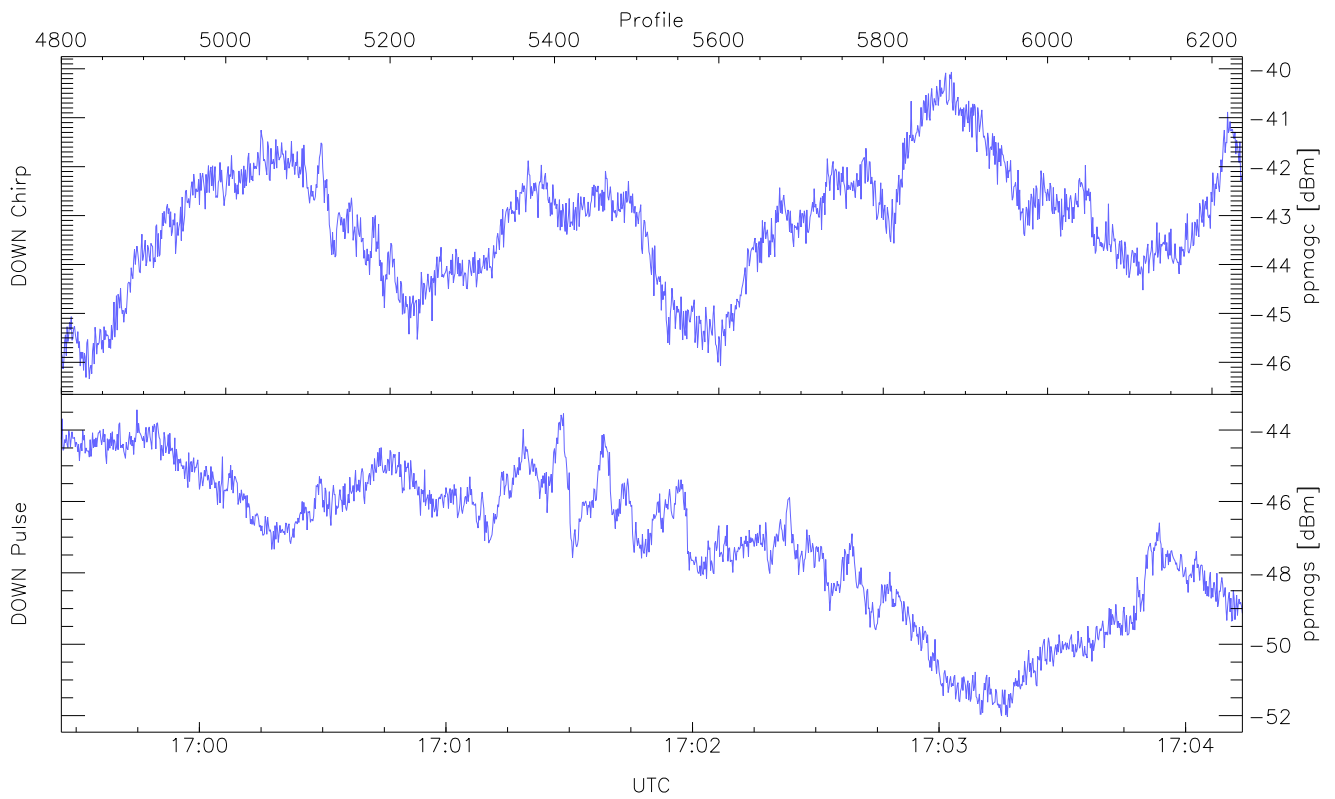
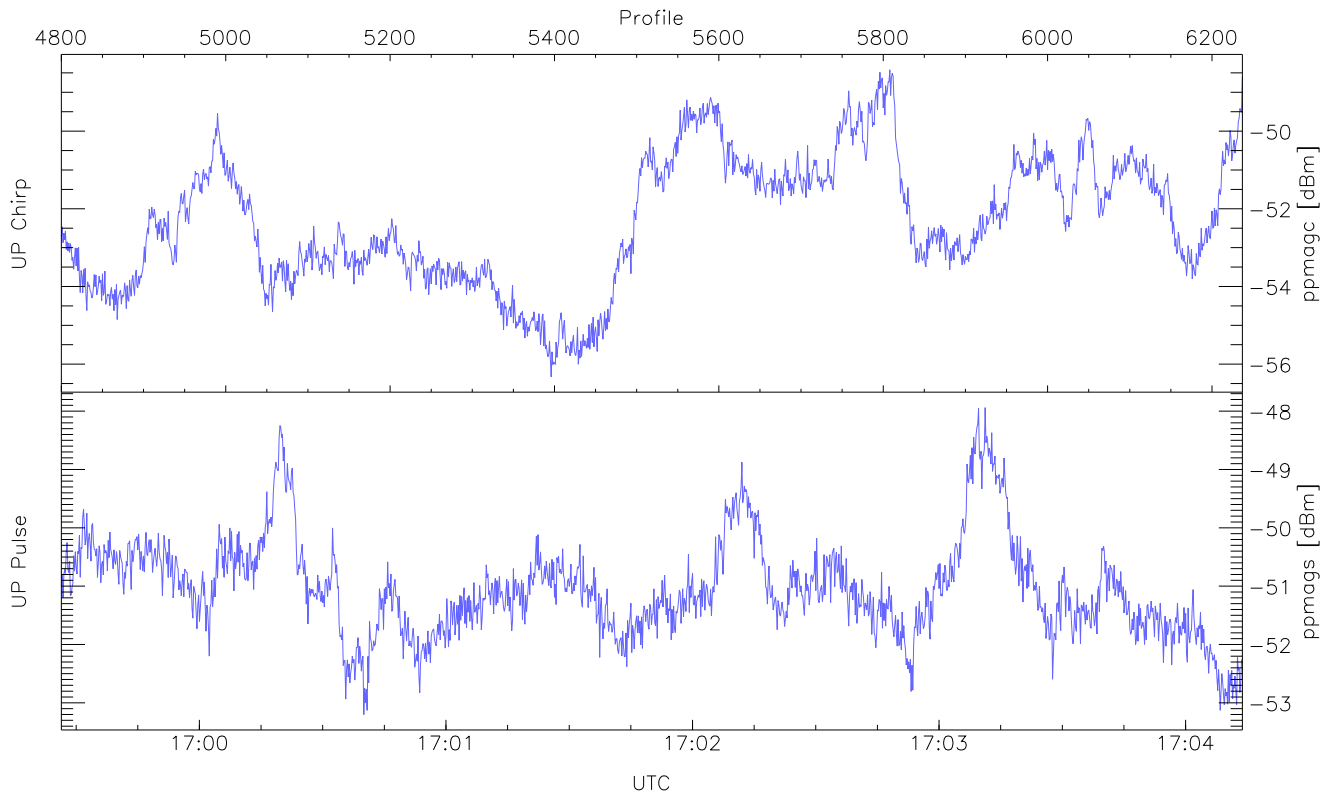
	Min	Max	Mean	Median	StDev
UP_C_RG136_0	-38.94	38.93	-0.89	-0.95	22.42
UP_P_RM_2	-38.91	38.79	0.74	1.31	22.02
DOWN_C_RM_12	-38.92	38.69	-0.18	-1.06	21.27
DOWN_P_RM_5	-38.89	38.92	0.29	0.37	22.03



KPR SPP Received Power for Chirp Range gate 10 (1585.2 m)

KPR SPP Received Power for Pulse Range gate 10 (533.8 m)

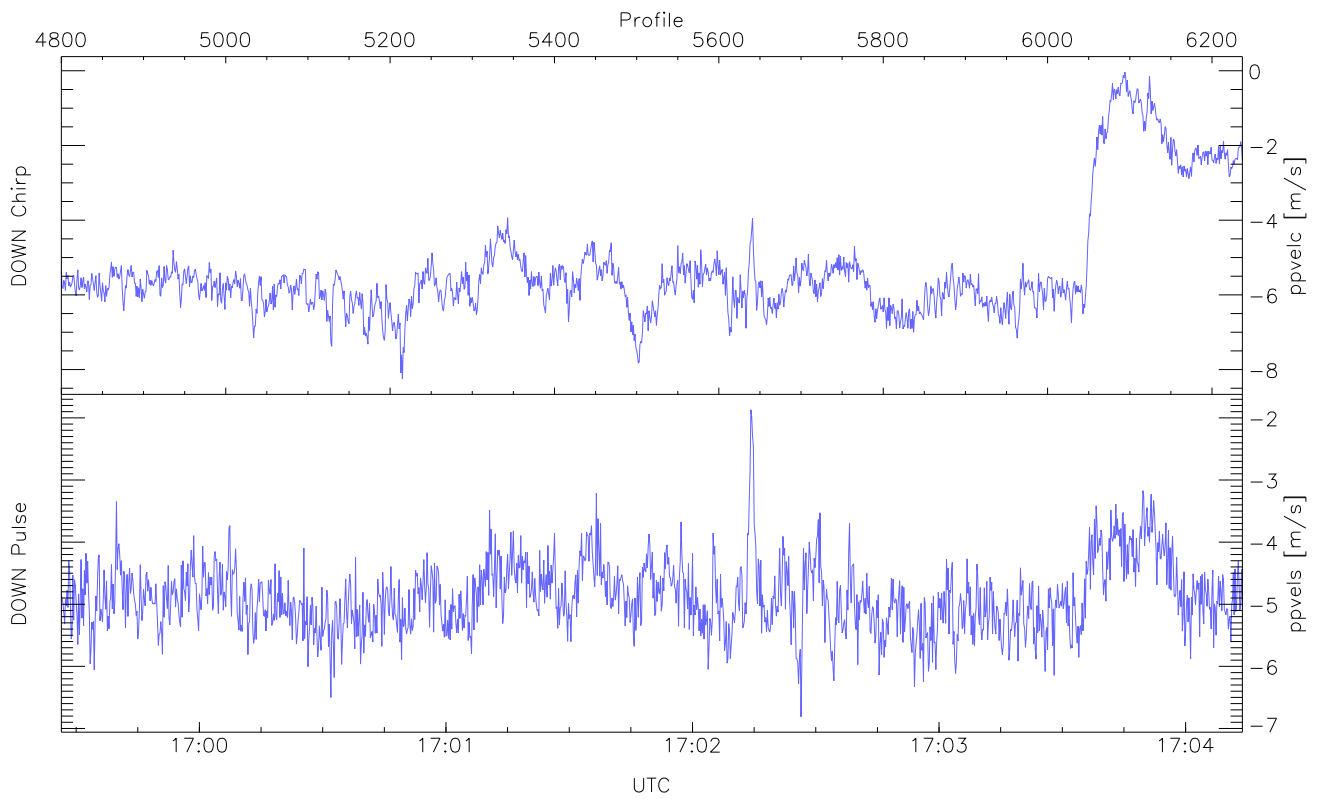
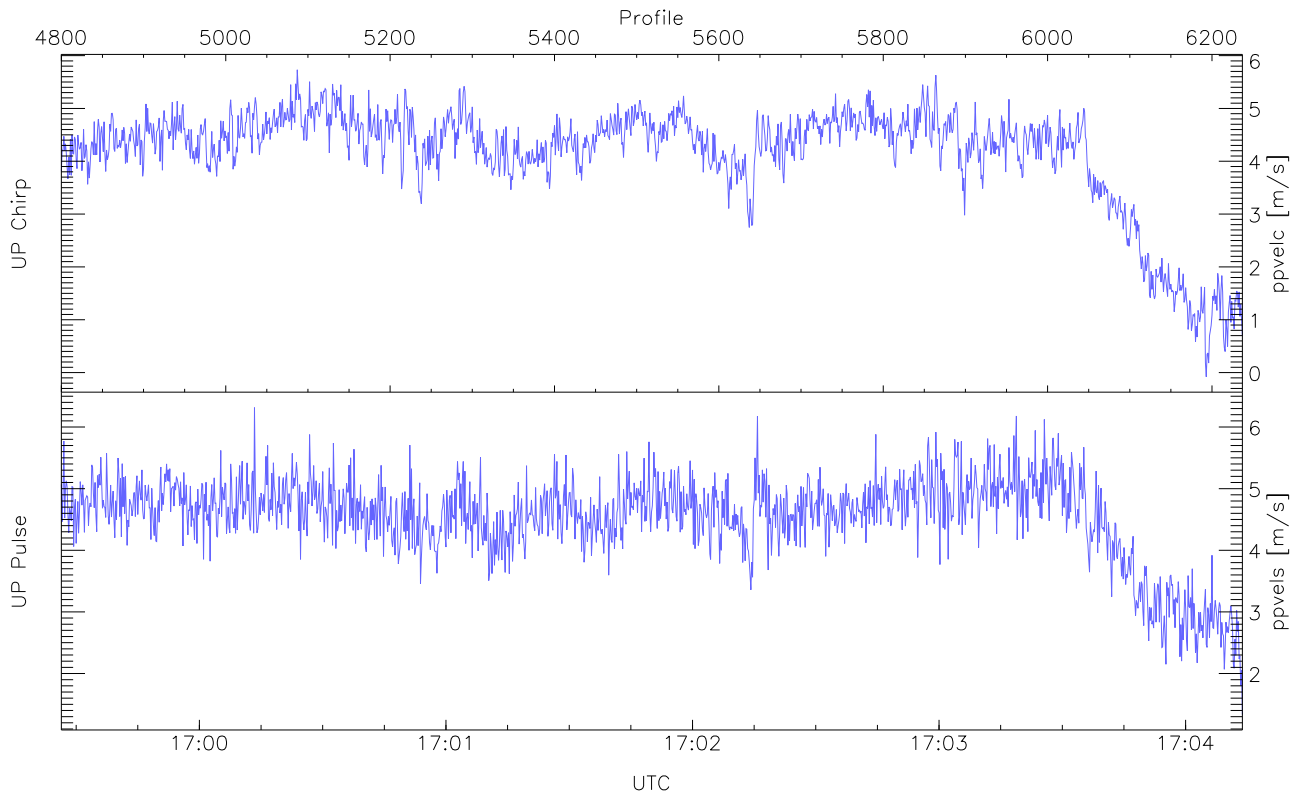
	Min	Max	Mean
UP Chirp(dBm)	-55.17	-47.82	-51.22
UP Pulse(dBm)	-52.35	-47.15	-50.12
DOWN Chirp(dBm)	-45.50	-39.73	-42.34
DOWN Pulse(dBm)	-51.13	-42.71	-45.92



KPR SPP PPMAG for Chirp Range gate 10 (1585.2 m)

KPR SPP PPMAG for Pulse Range gate 10 (533.8 m)

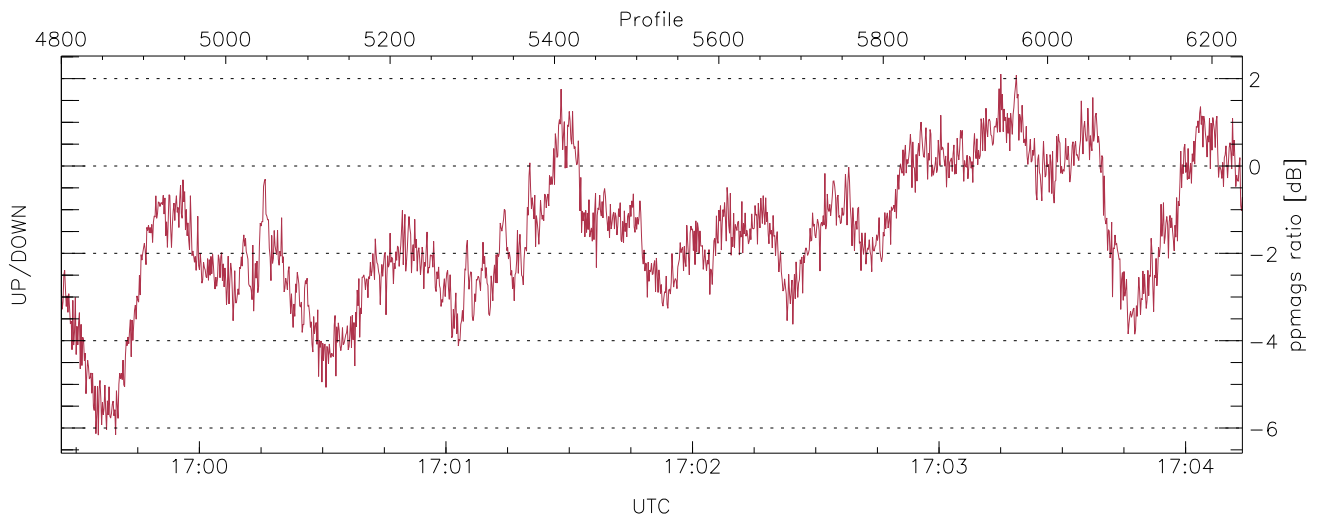
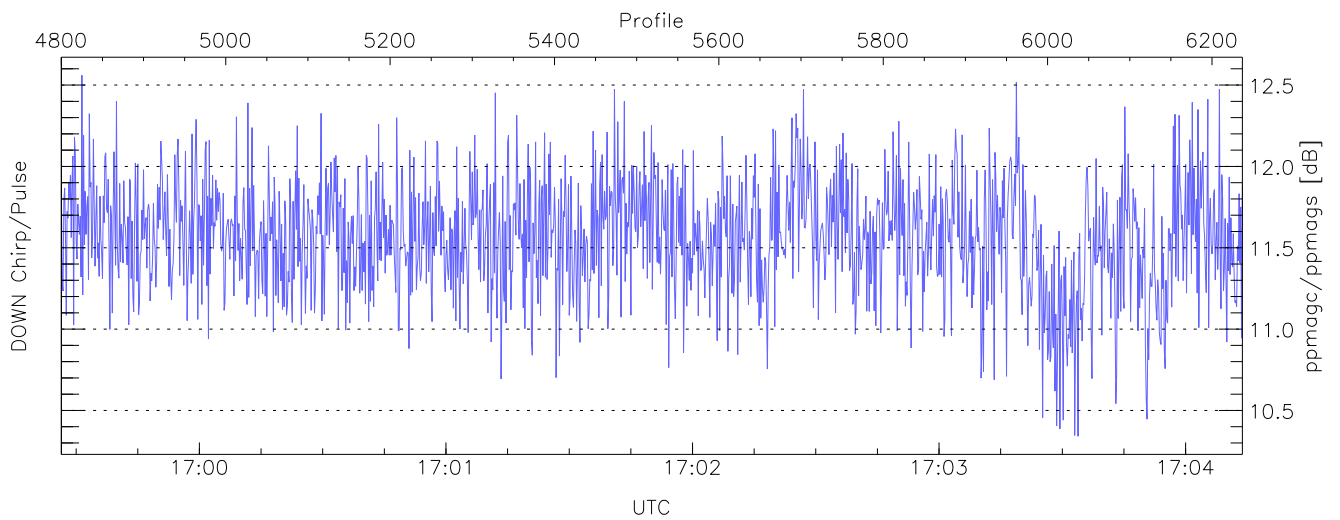
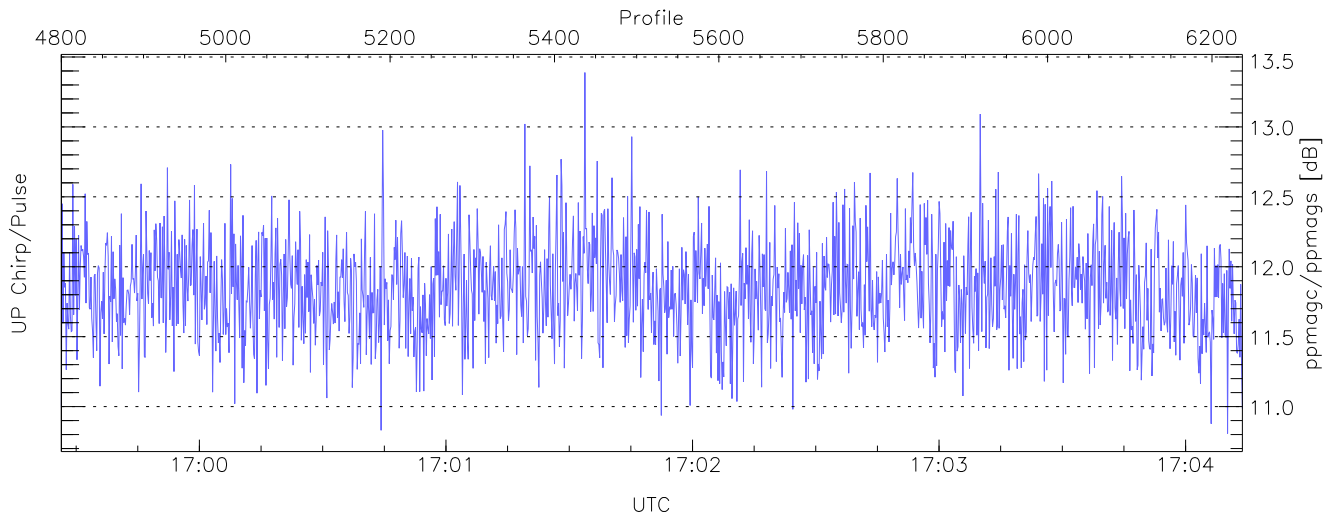
	Min	Max	Mean
UP Chirp(dBm)	-56.33	-48.42	-52.02
UP Pulse(dBm)	-53.20	-47.94	-50.96
DOWN Chirp(dBm)	-46.34	-40.06	-42.99
DOWN Pulse(dBm)	-52.03	-43.43	-46.69



KPR SPP PPVEL for Chirp Range gate 10 (1585.2 m)

KPR SPP PPVEL for Pulse Range gate 10 (533.8 m)

	Min	Max	Mean
UP Chirp(m/s)	-0.08	5.73	4.14
UP Pulse(m/s)	1.33	6.32	4.54
DOWN Chirp(m/s)	-8.25	-0.03	-5.30
DOWN Pulse(m/s)	-6.81	-1.87	-4.88



KPR SPP PPMAG Chirp/Pulse; Range gate: 1247.9m /1283.3m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	10.81	13.39	11.86
DOWN Chirp/Pulse(dBm)	10.34	12.56	11.58
UP/DOWN Ratio at Range 196.5 m			
	Min	Max	Mean
UP/DOWN(dB)	-6.16	2.11	-1.34