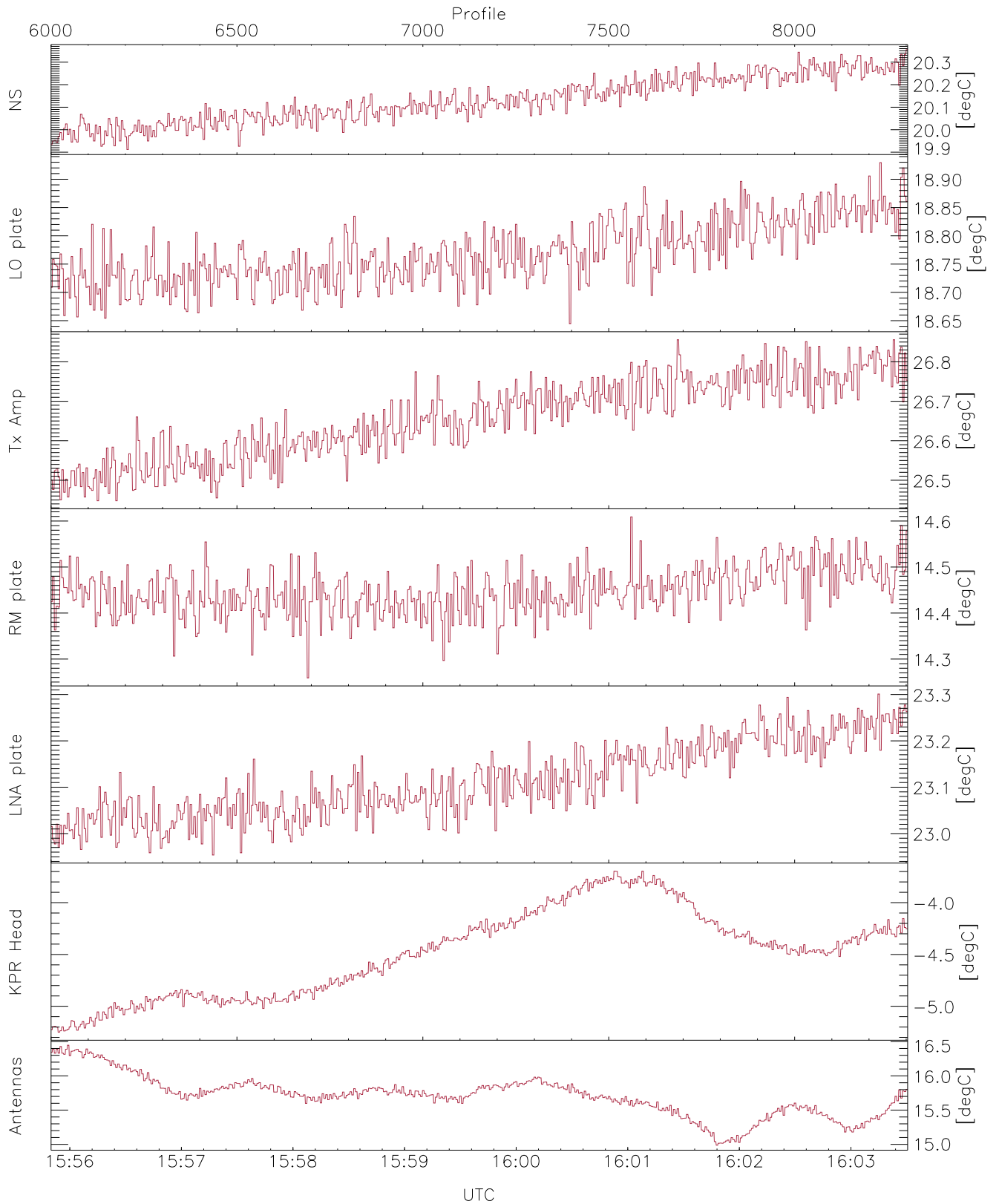


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 15:35:50-16:03:31, TimeCor: 0.00s, Dur: 460.62s
 TimeInt(min,max,mn,std): 199.6,200.2,199.9,0.0 ms; PPS: 5.0
 NumRec(r/t): 2305/8305, 6000-8304/15:55:50-16:03:31
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, 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

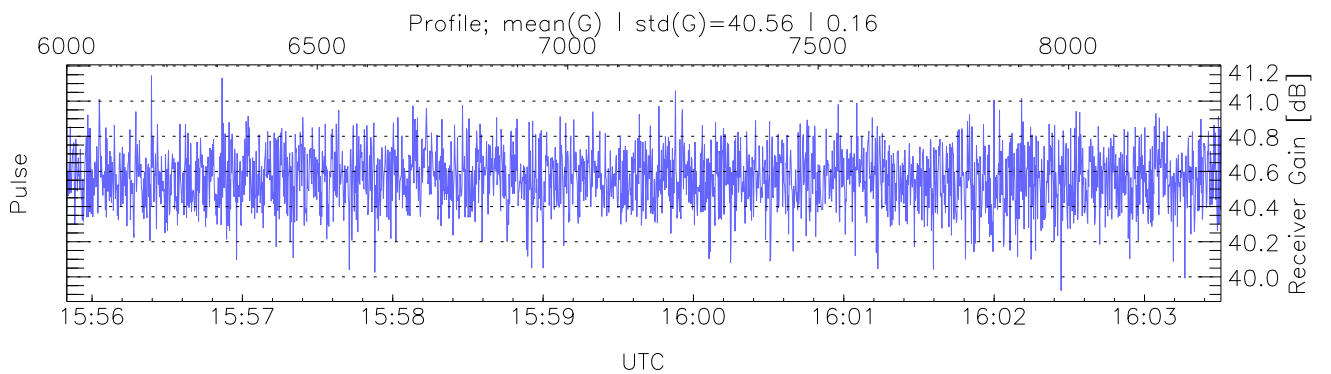
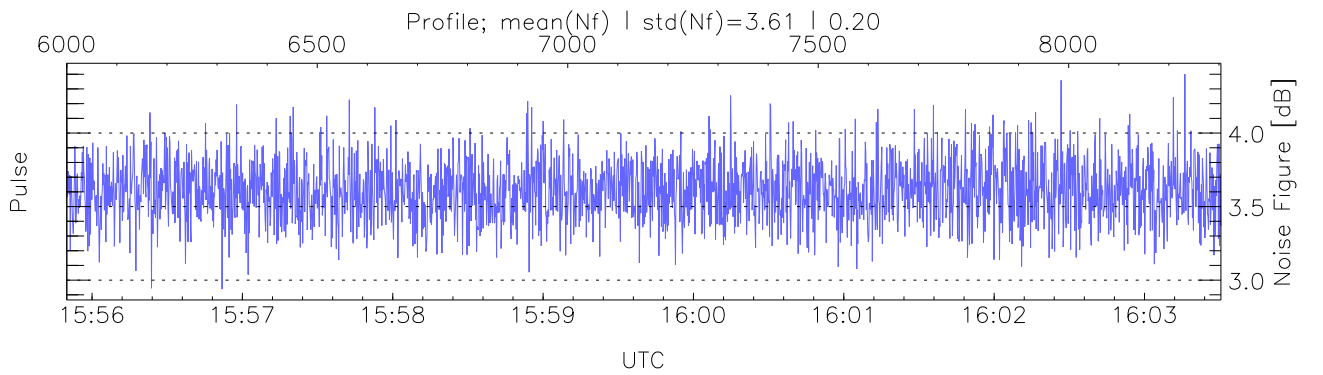
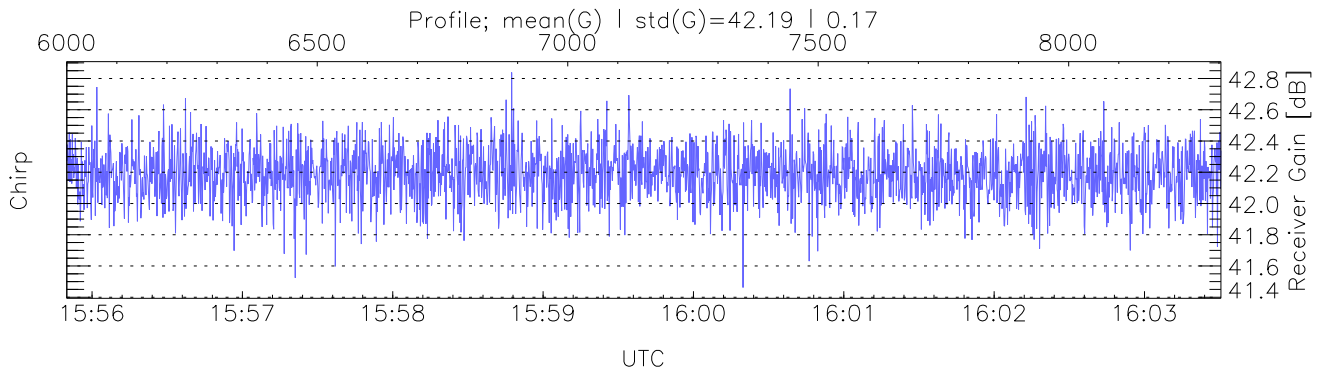
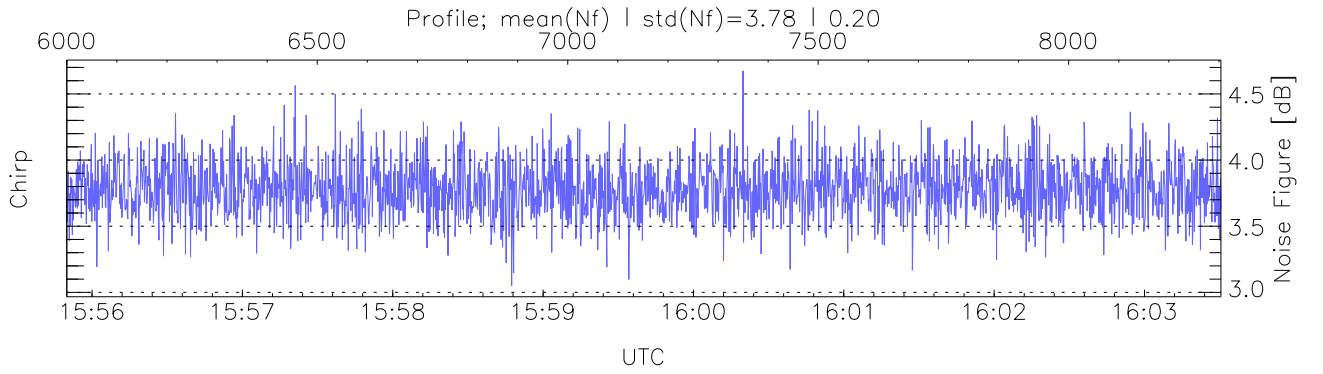


KPR SPP Temperatures, Power Supplies, PLO lock:

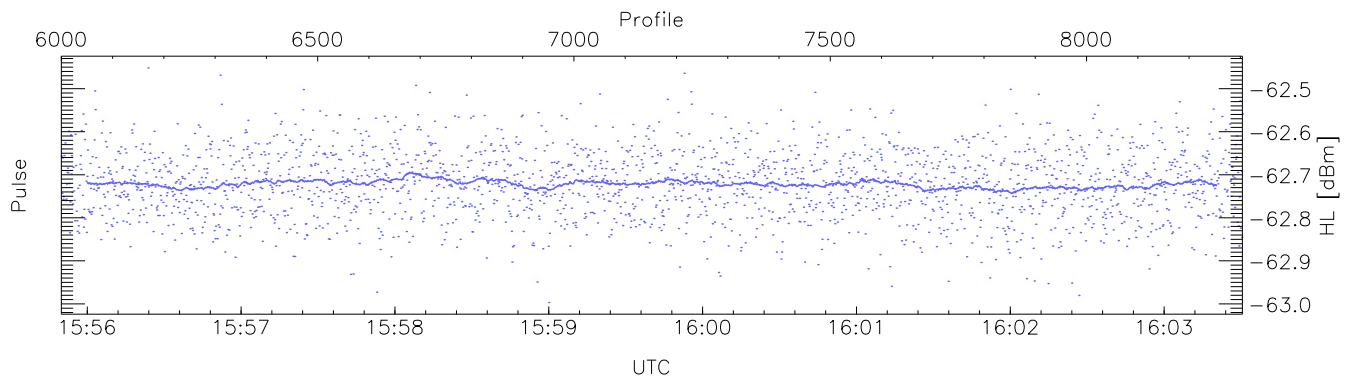
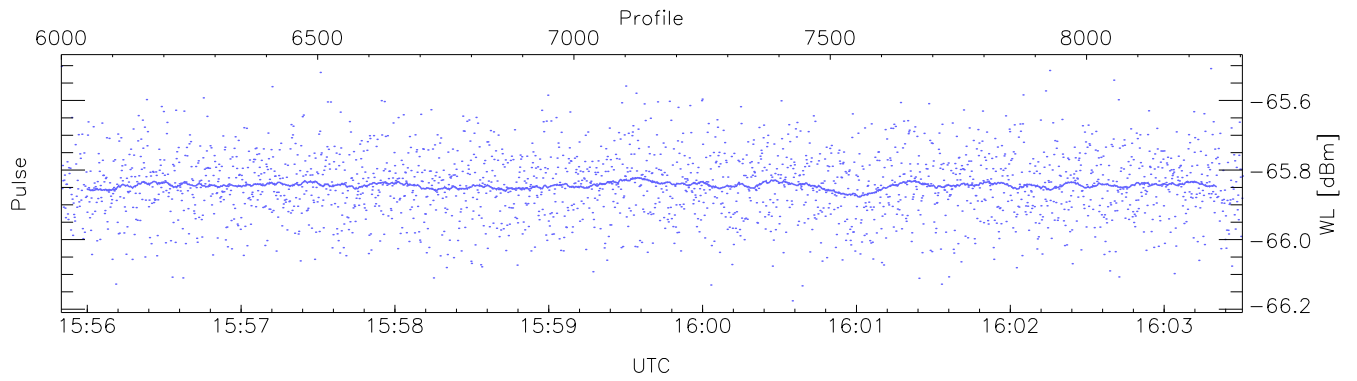
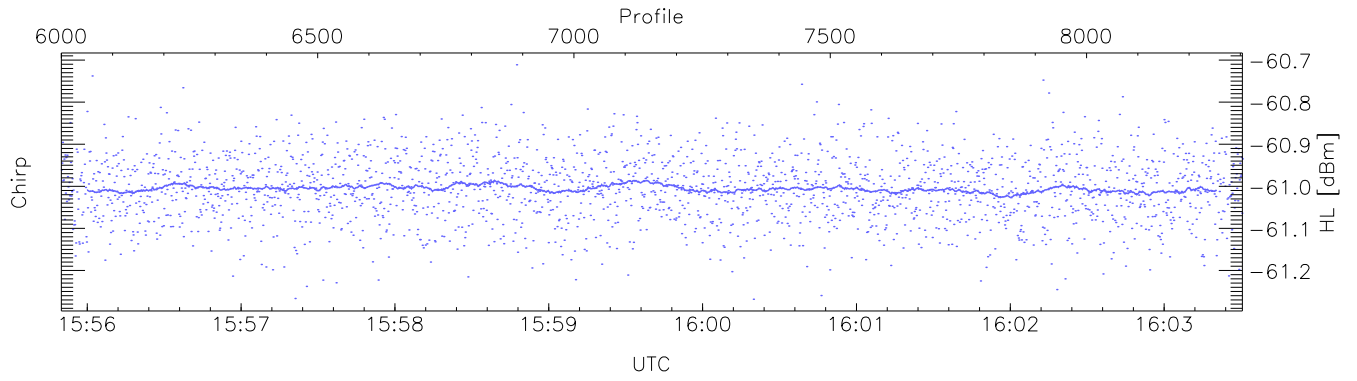
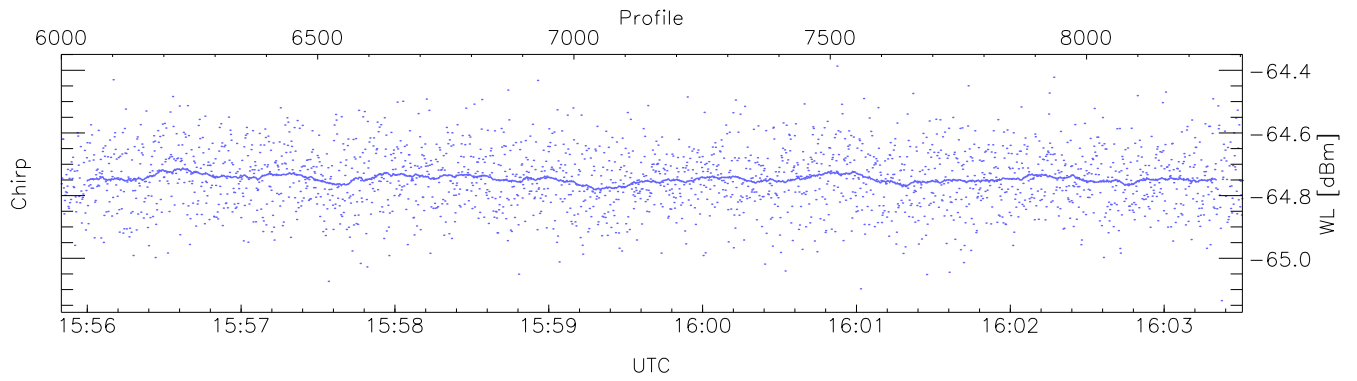
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	19.9,	18.6,	26.4,	14.3,	23.0,	-5.2,	15.0
maxtempC:	20.4,	18.9,	26.9,	14.6,	23.3,	-3.7,	16.4
meantempC:	20.1,	18.8,	26.7,	14.4,	23.1,	-4.5,	15.7

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.49,	11.66,	7.87,	5.22
maxVDC:	27.75,	11.72,	7.89,	5.23
meanVDC:	26.93,	11.69,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

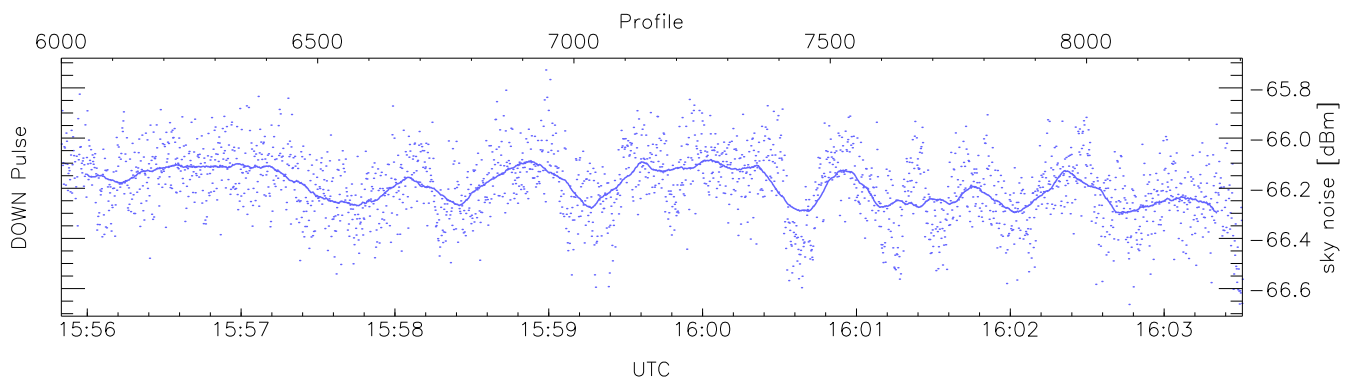
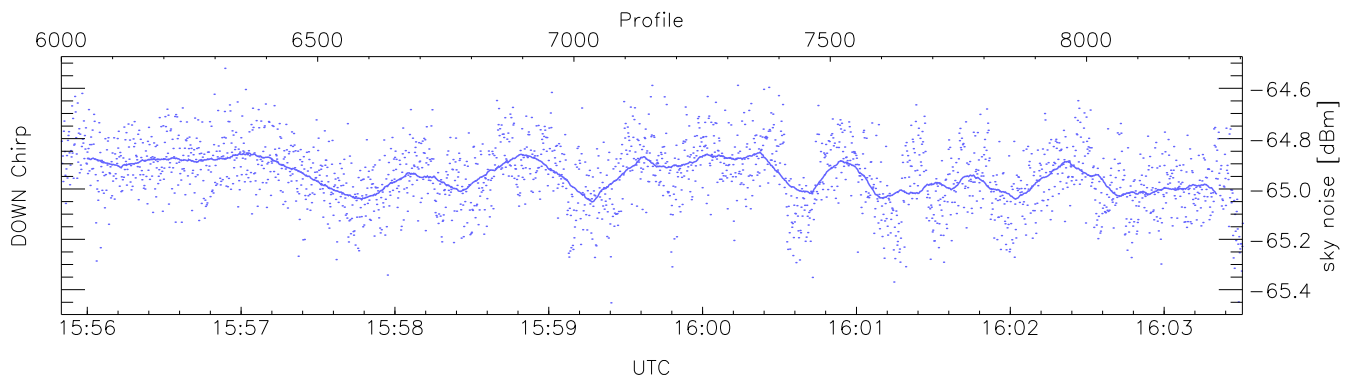
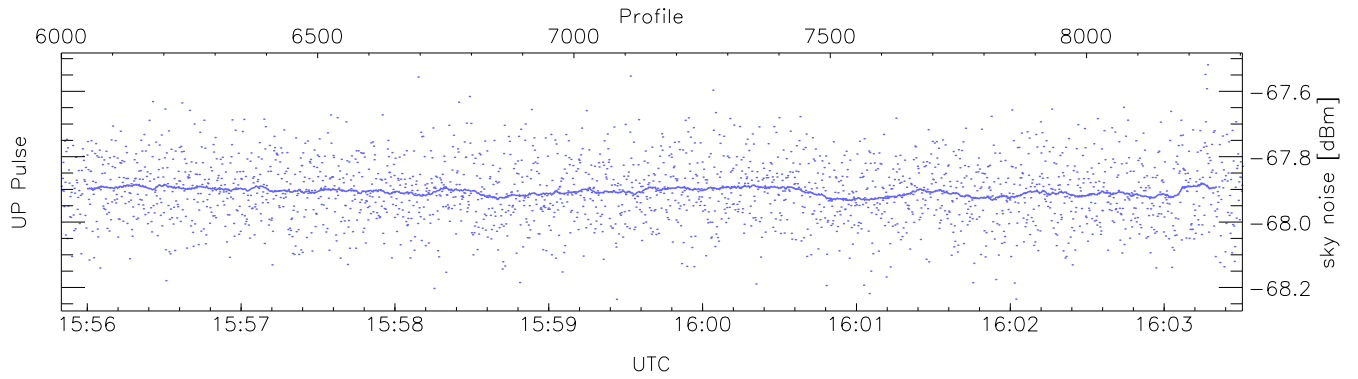
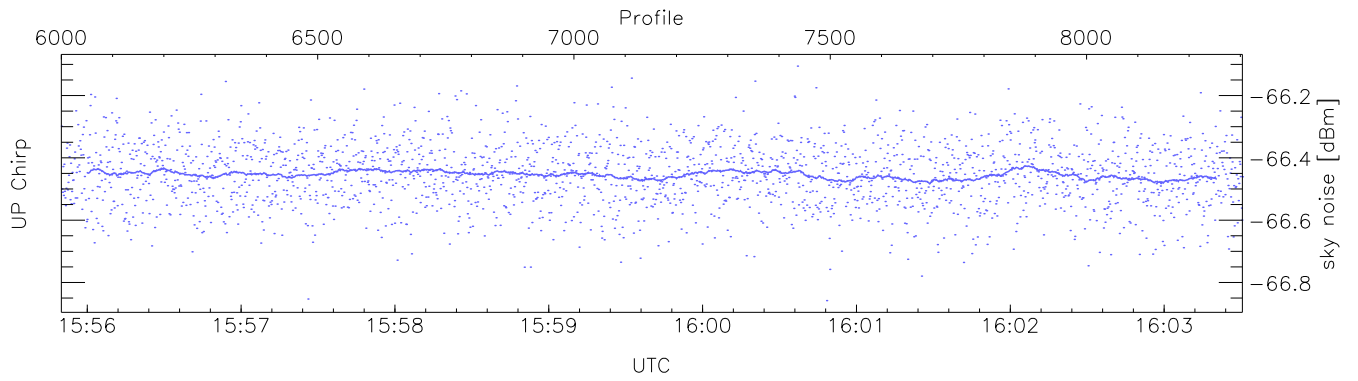


KPR SPP Receiver Gain and Noise Figure



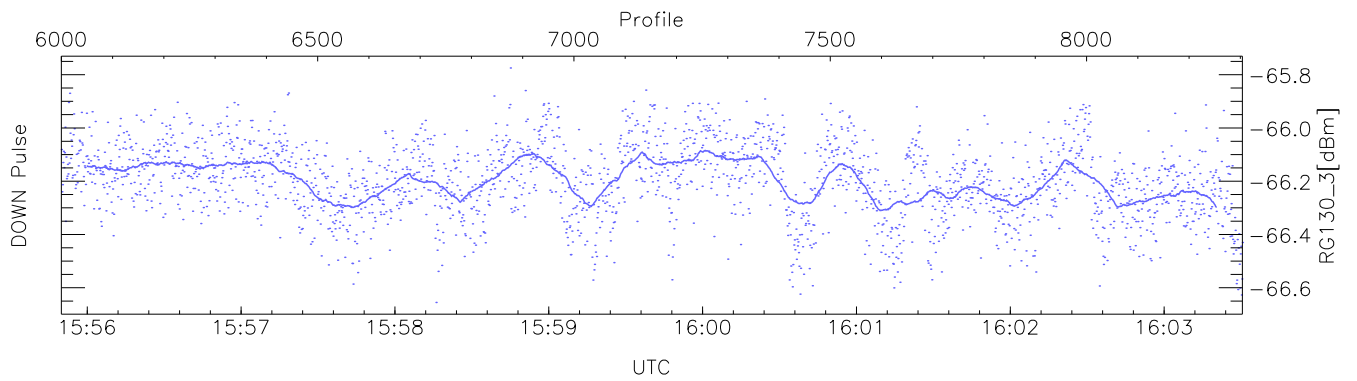
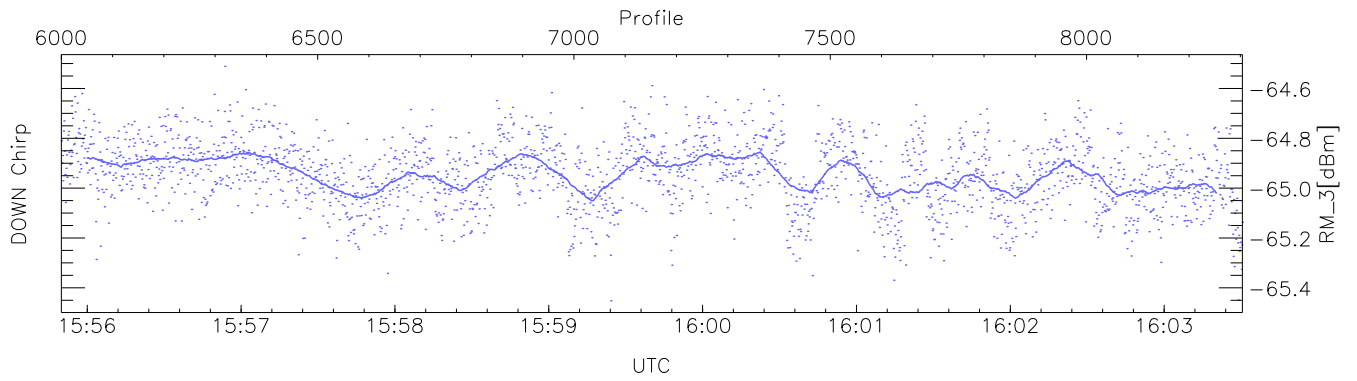
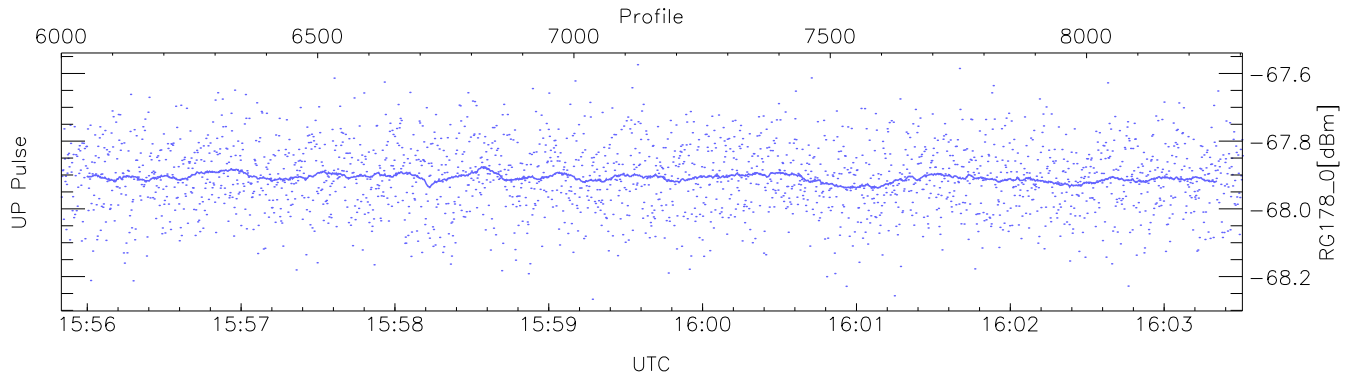
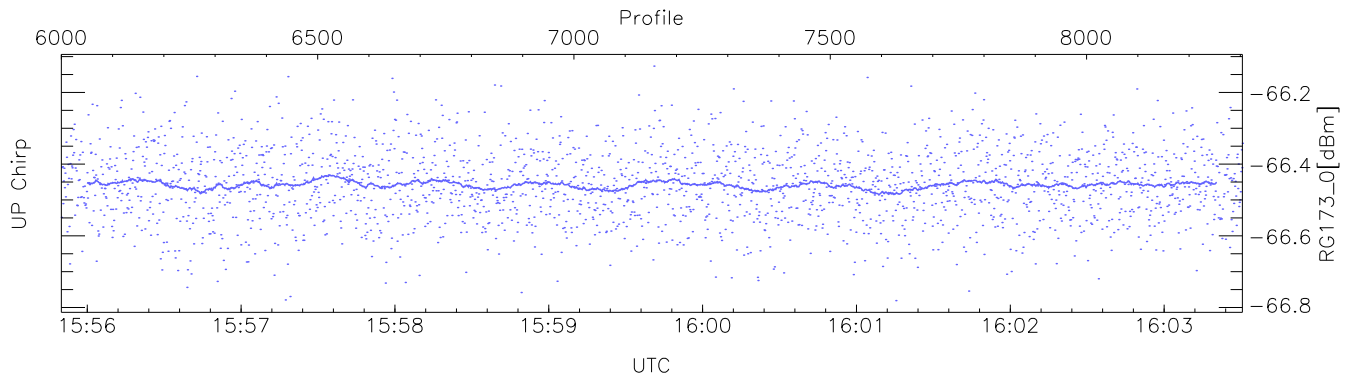
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.14	-64.39	-64.75	-64.75	-81.10
Chirp(HL [dBm])	-61.27	-60.71	-61.01	-61.01	-78.49
Pulse(WL [dBm])	-66.18	-65.50	-65.84	-65.84	-82.29
Pulse(HL [dBm])	-63.00	-62.45	-62.72	-62.72	-80.26



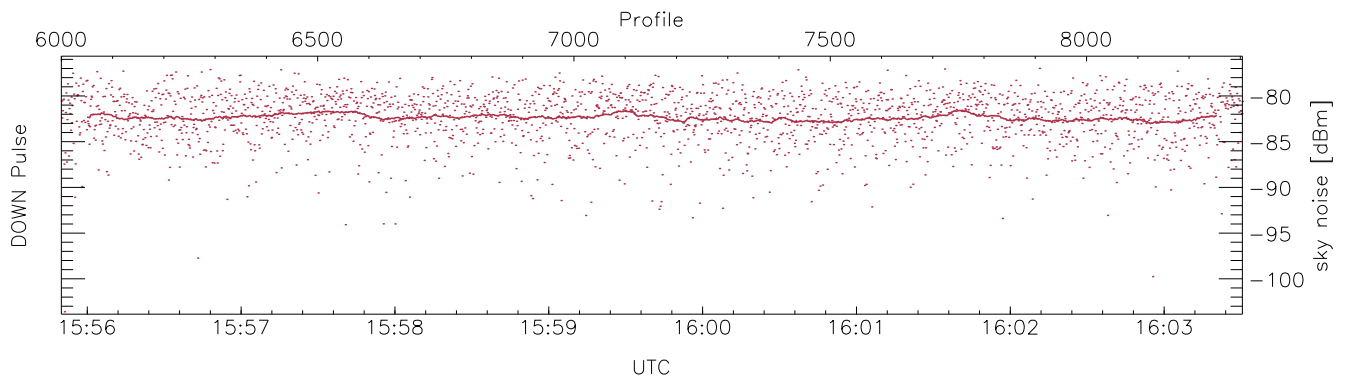
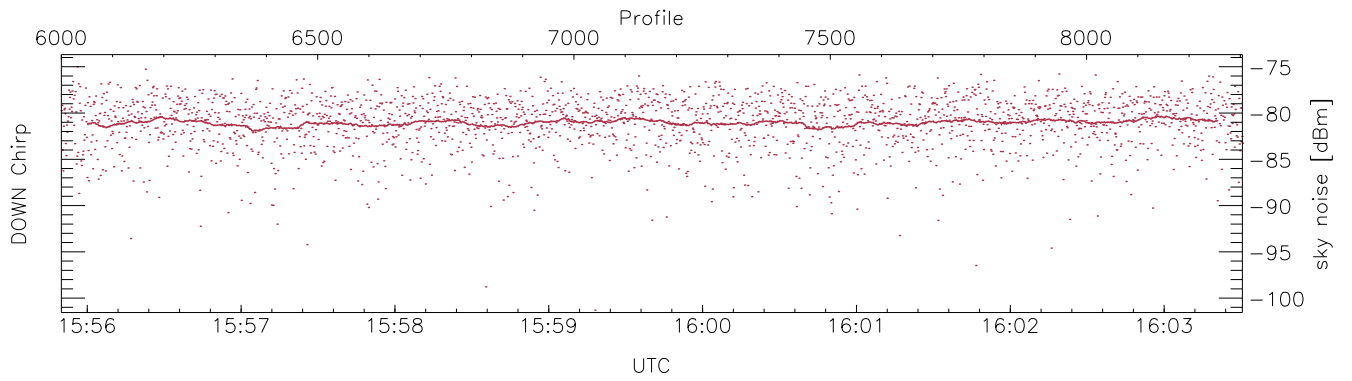
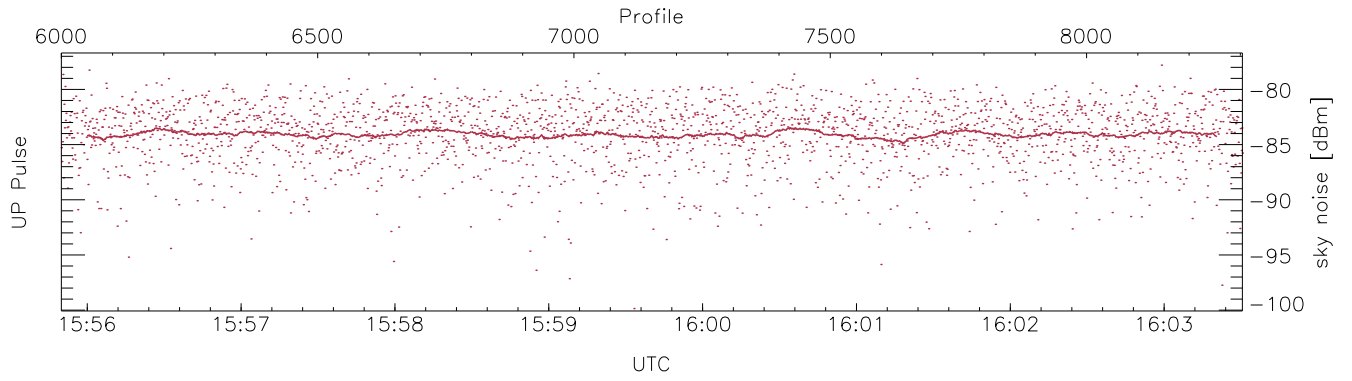
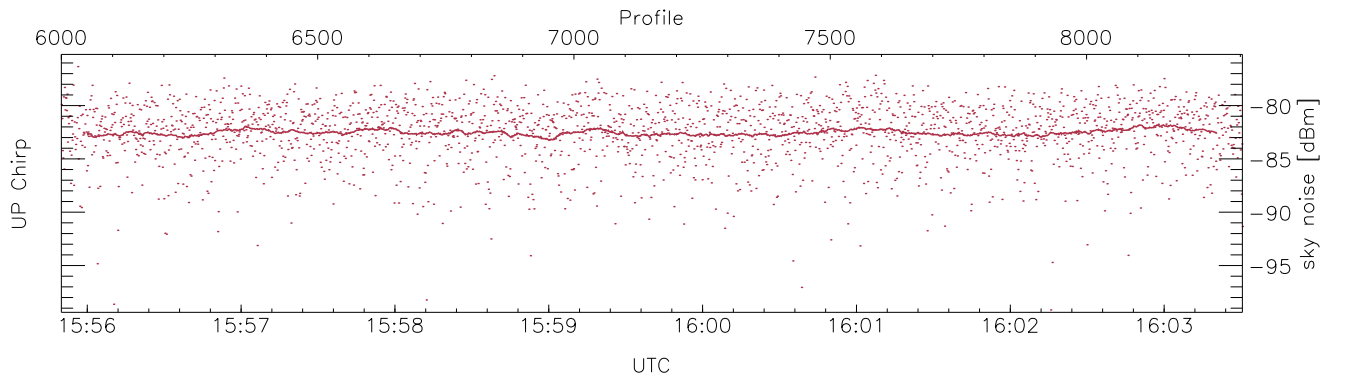
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.86	-66.11	-66.45	-66.45	-82.80
UP Pulse(dBm)	-68.24	-67.52	-67.91	-67.91	-84.28
DOWN Chirp(dBm)	-65.45	-64.52	-64.94	-64.94	-80.09
DOWN Pulse(dBm)	-66.66	-65.73	-66.19	-66.19	-81.08



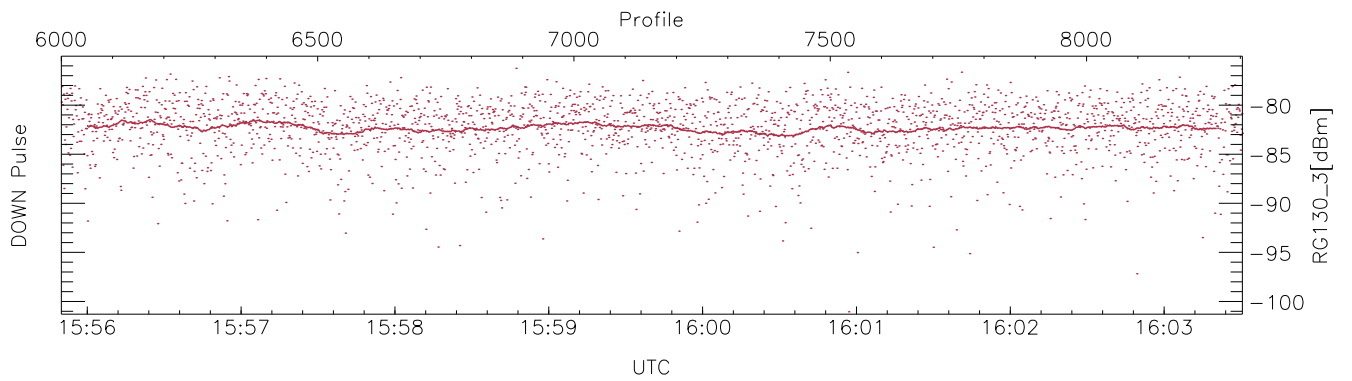
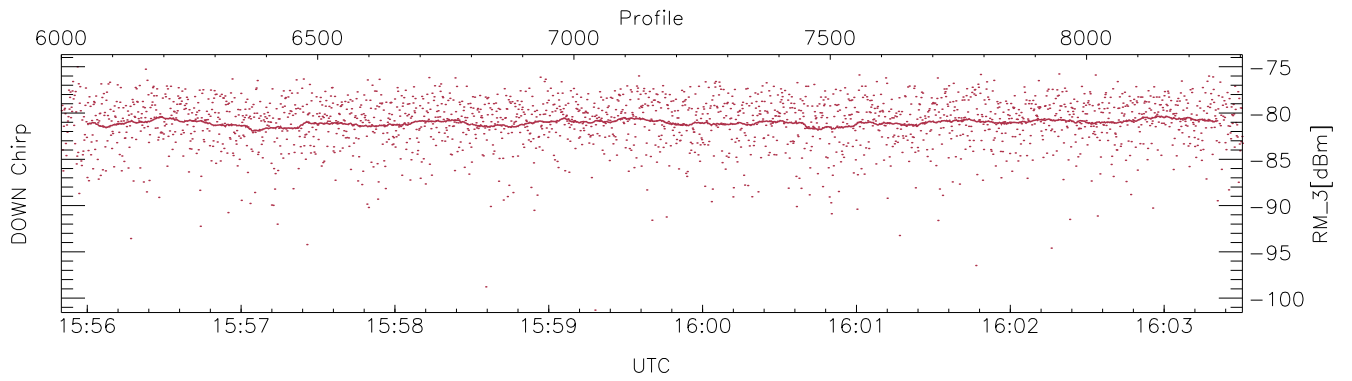
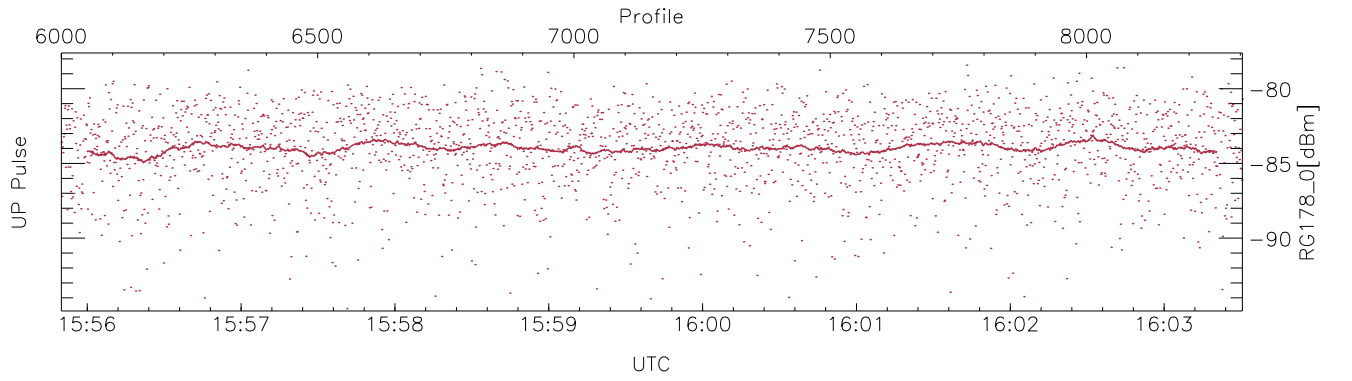
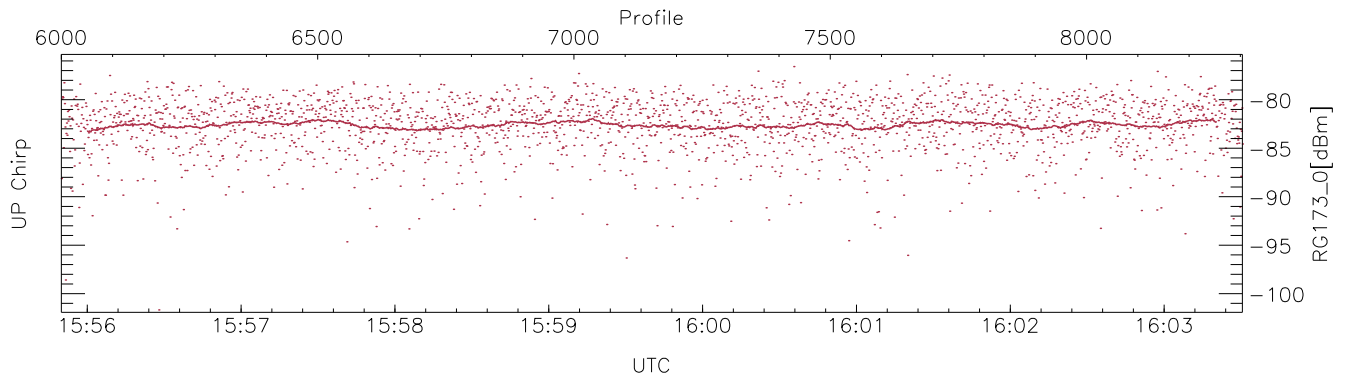
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG173_0	-66.78	-66.13	-66.46	-66.46	-82.81
UP_P_RG178_0	-68.27	-67.57	-67.91	-67.91	-84.12
DOWN_C_RM_3	-65.45	-64.51	-64.94	-64.94	-80.09
DOWN_P_RG130_3	-66.66	-65.77	-66.20	-66.19	-81.15



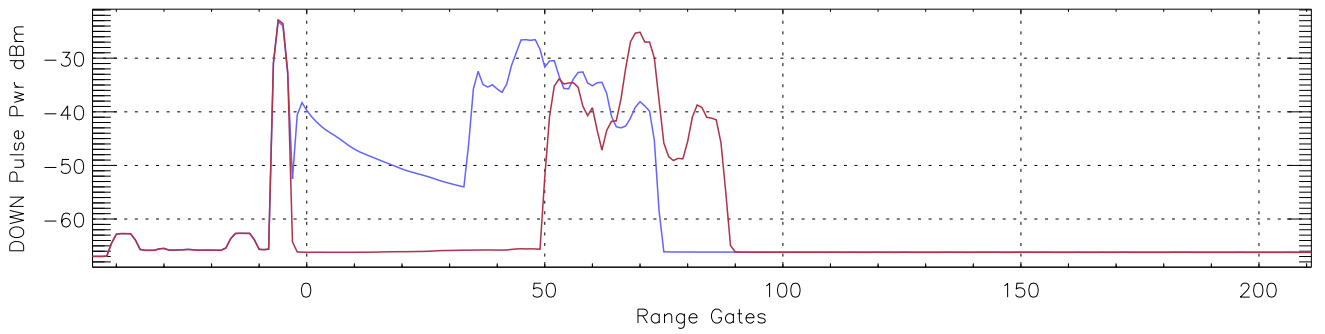
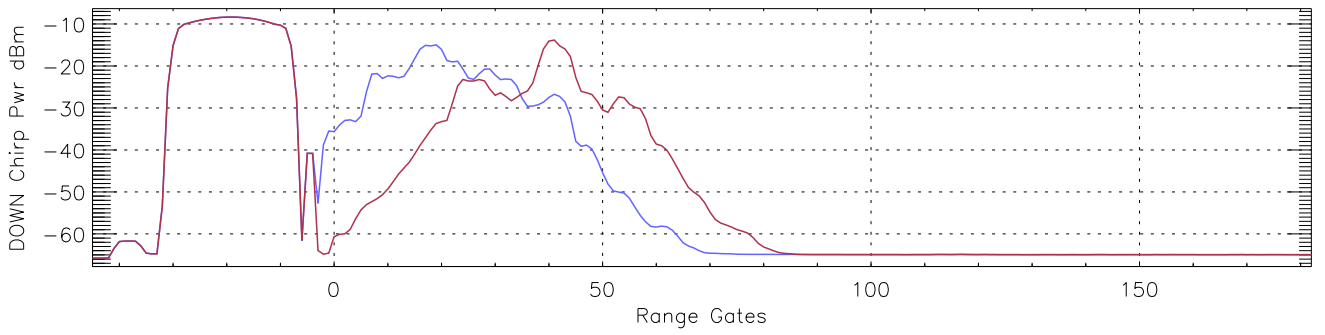
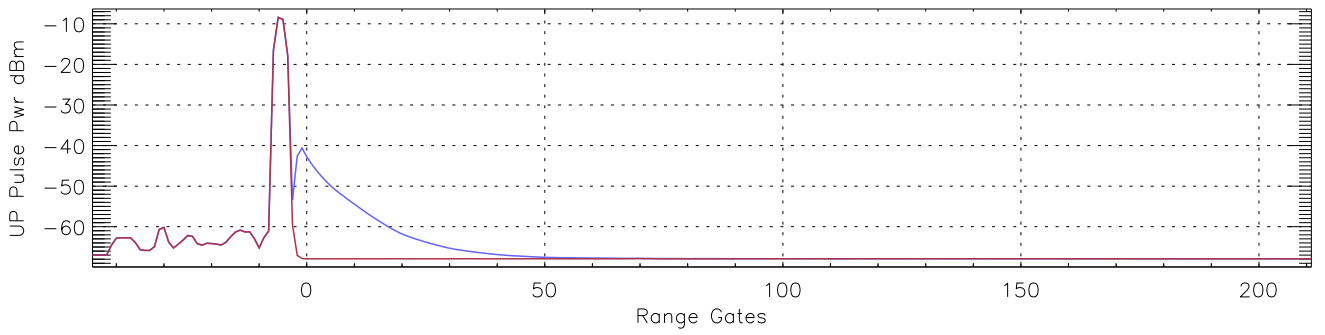
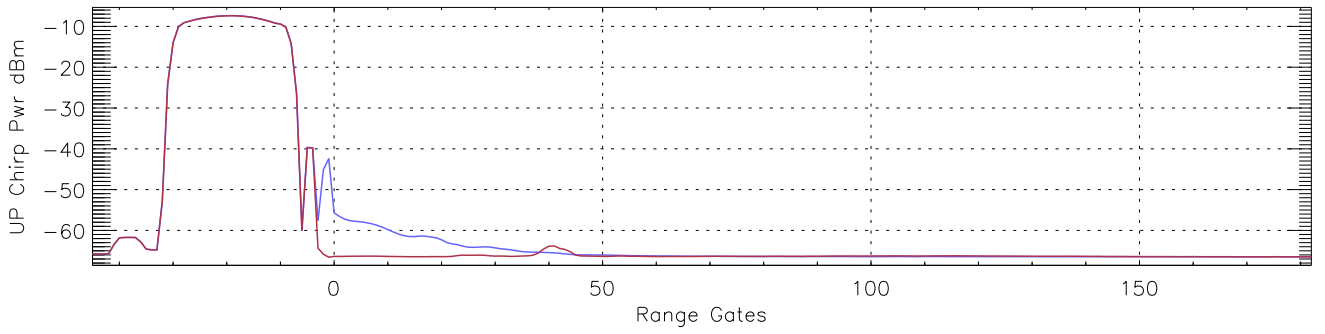
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.17	-76.34	-81.81	-82.09	-84.64
UP Pulse(dBm)	-99.85	-77.80	-83.36	-83.62	-86.13
DOWN Chirp(dBm)	-101.30	-75.00	-80.33	-80.56	-83.16
DOWN Pulse(dBm)	-103.60	-76.98	-81.64	-81.89	-84.47

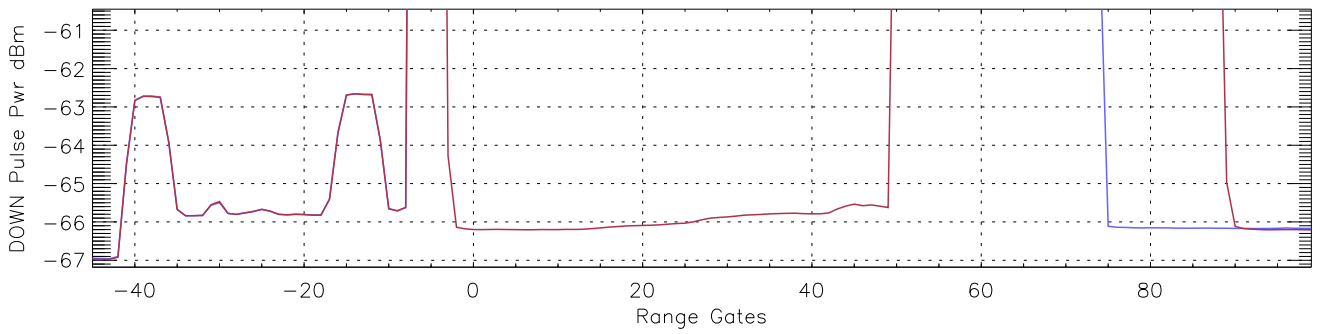
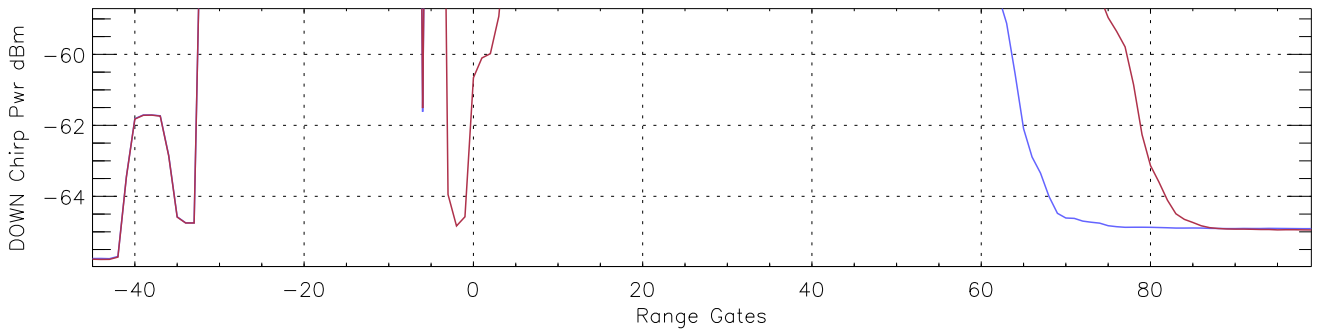
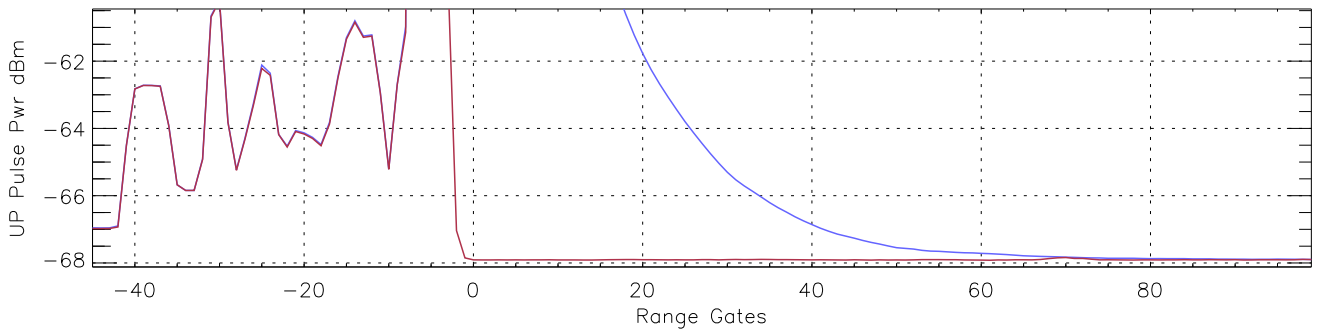
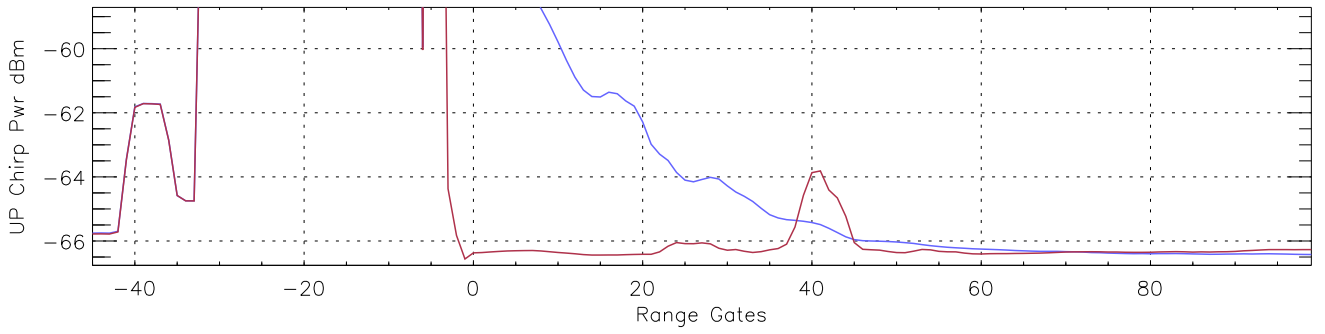


KPR SPP "Best" PPMAG noise (dBm):

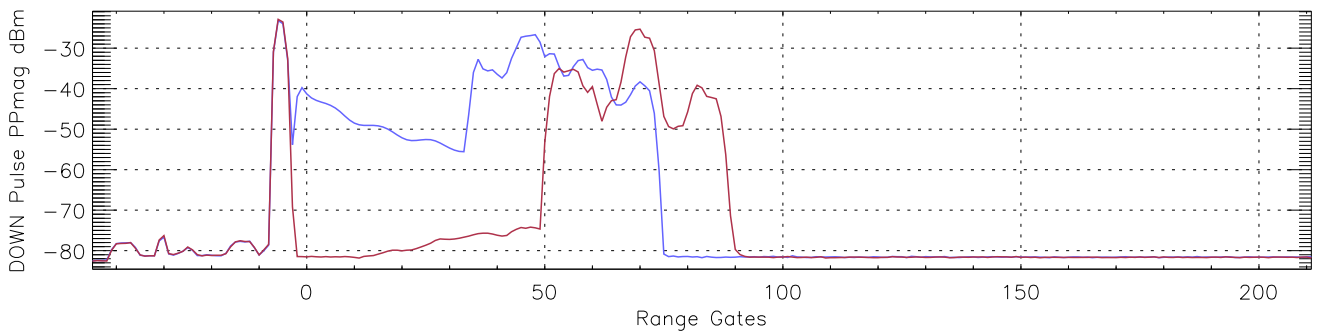
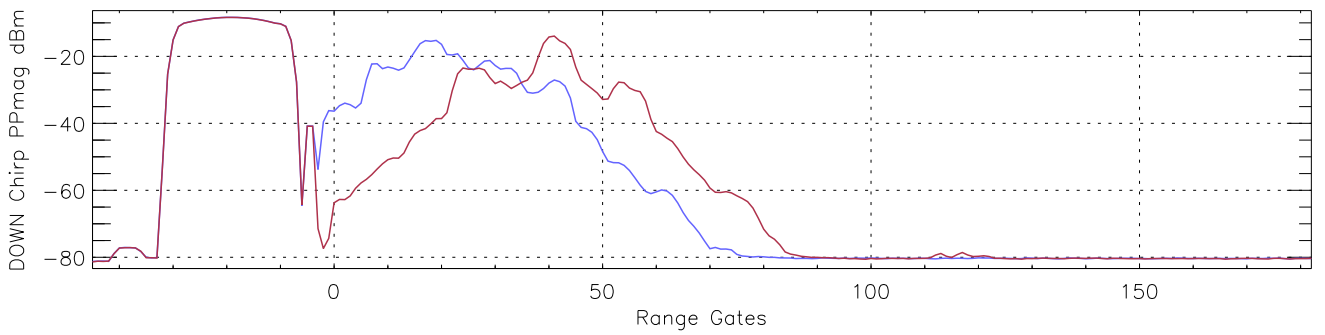
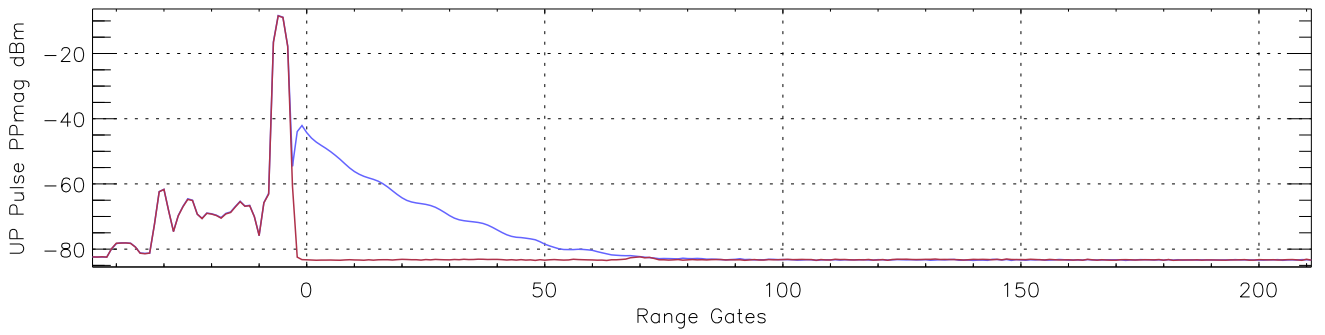
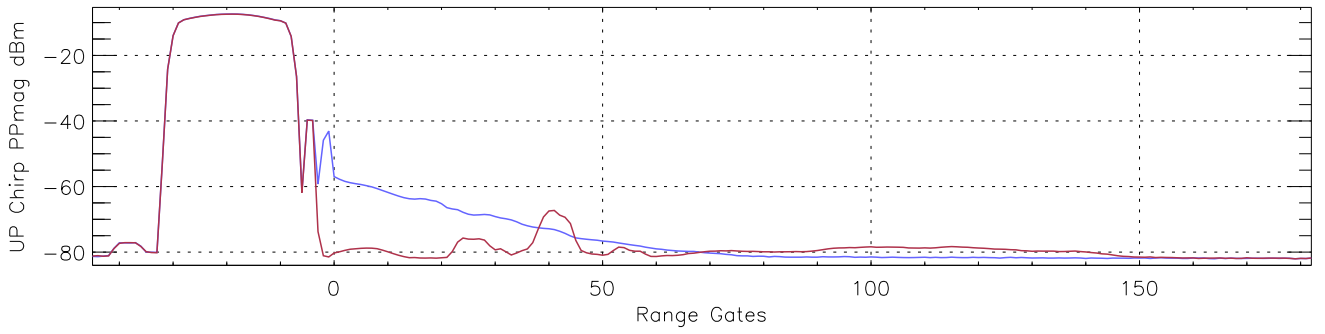
	Min	Max	Mean	Median	StDev
UP_C_RG173_0	-101.68	-76.58	-81.90	-82.15	-84.76
UP_P_RG178_0	-94.71	-78.42	-83.32	-83.58	-86.25
DOWN_C_RM_3	-101.30	-75.00	-80.33	-80.56	-83.16
DOWN_P_RG130_3	-101.05	-76.26	-81.58	-81.87	-84.36



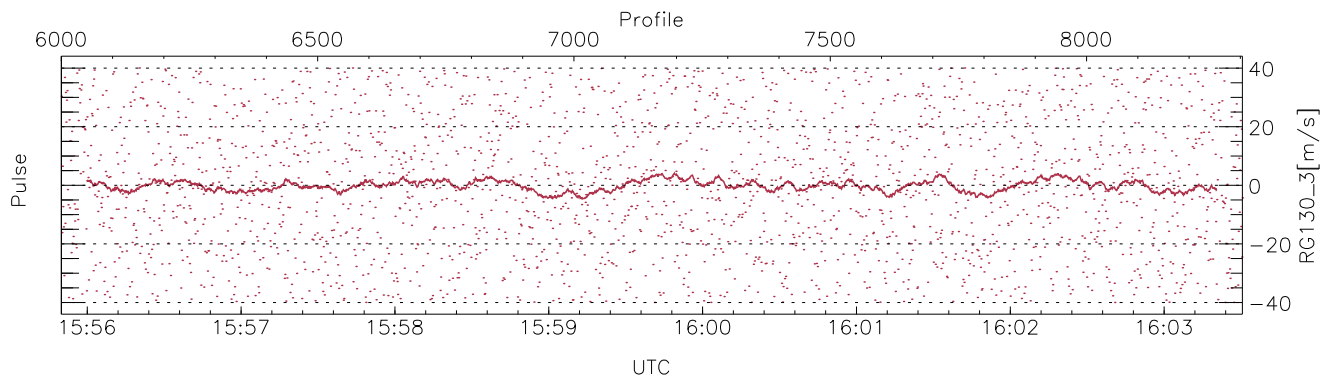
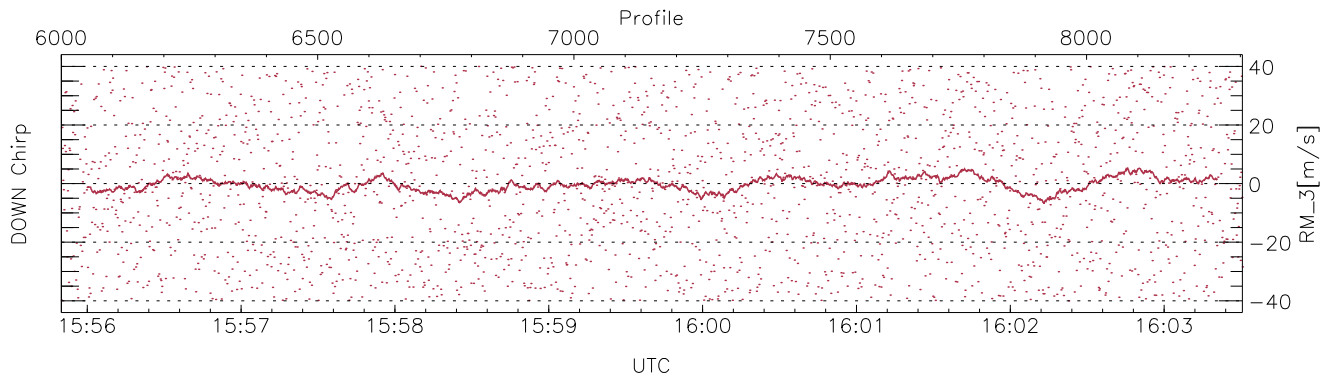
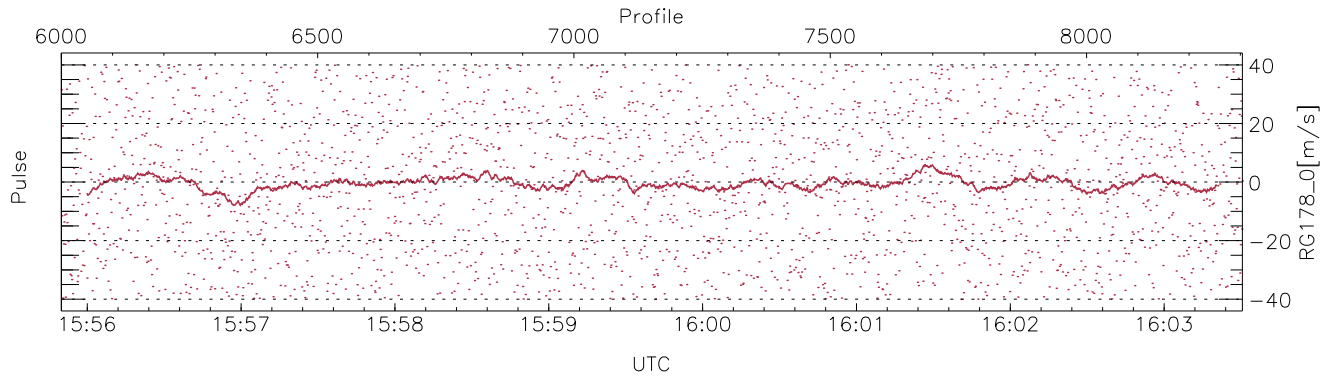
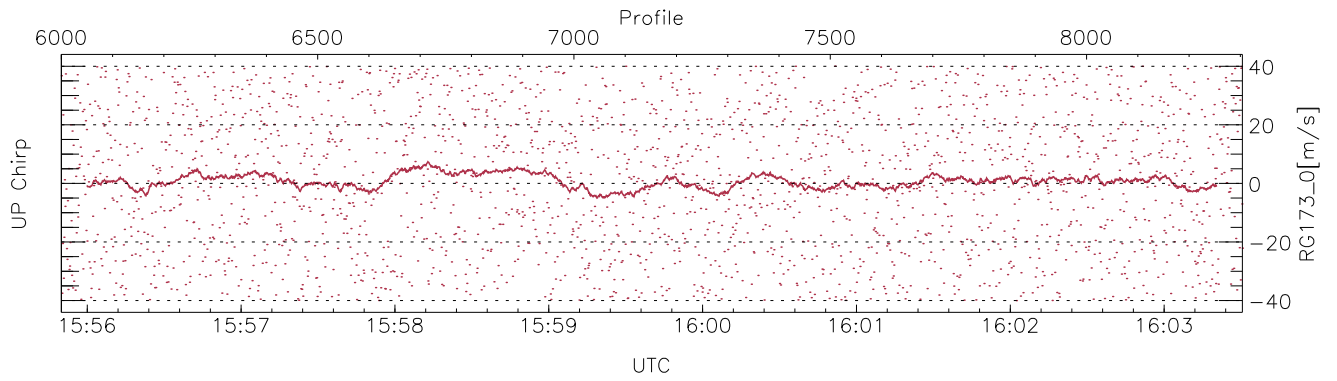
KPR SPP Averaged Received power for all recorded gates
blue: 155550-155940, 1153 profiles averaged
red: 155940-160331, 1153 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 155550-155940, 1153 profiles averaged
red: 155940-160331, 1153 profiles averaged

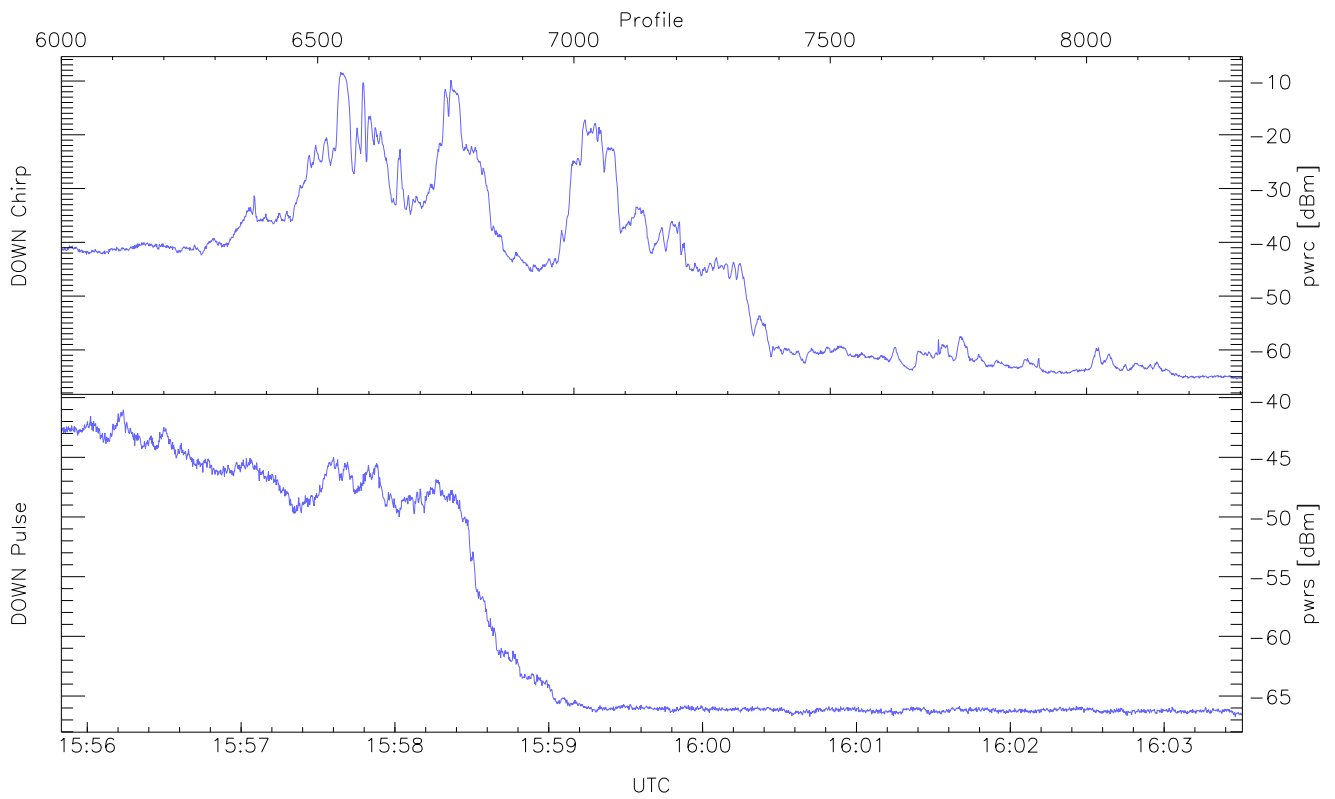
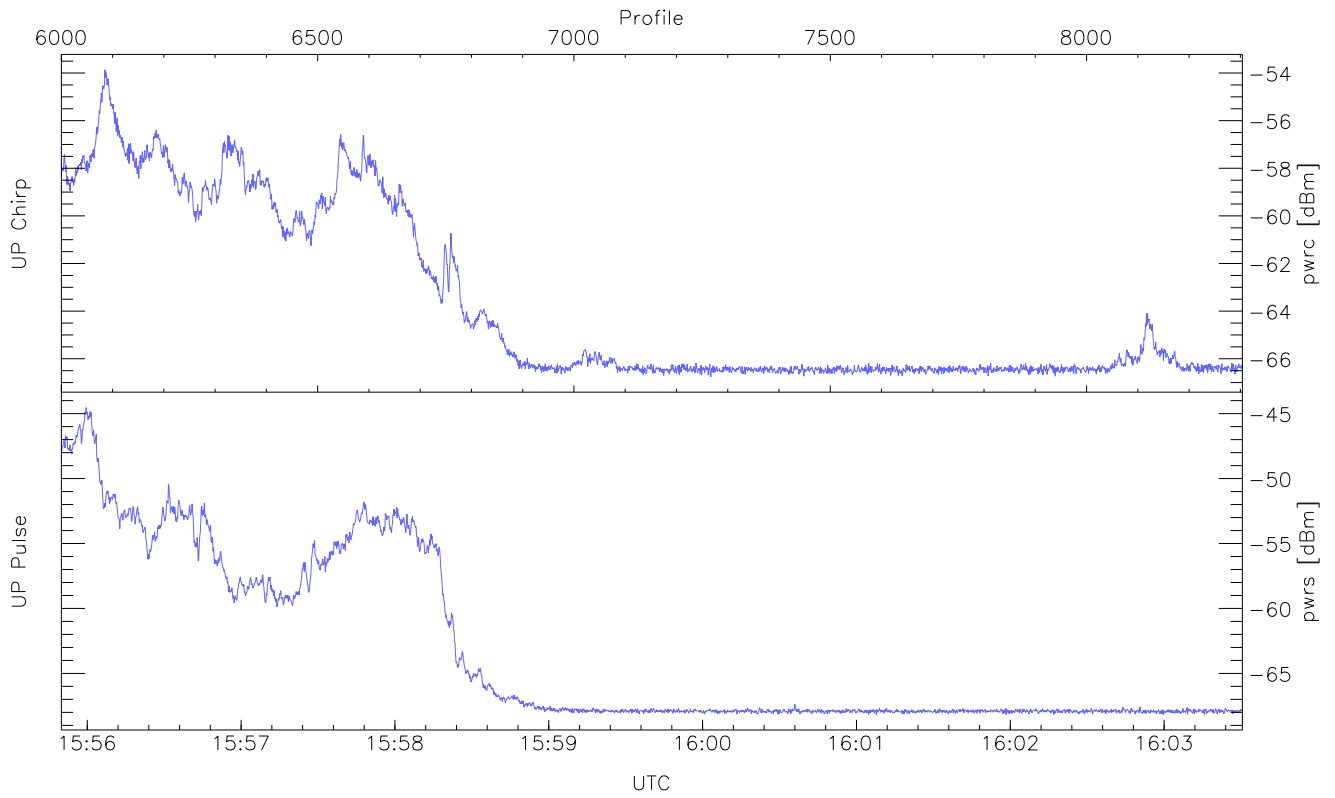


KPR SPP Averaged PP magnitude for all recorded gates
blue: 155550-155940, 1153 profiles averaged
red: 155940-160331, 1153 profiles averaged



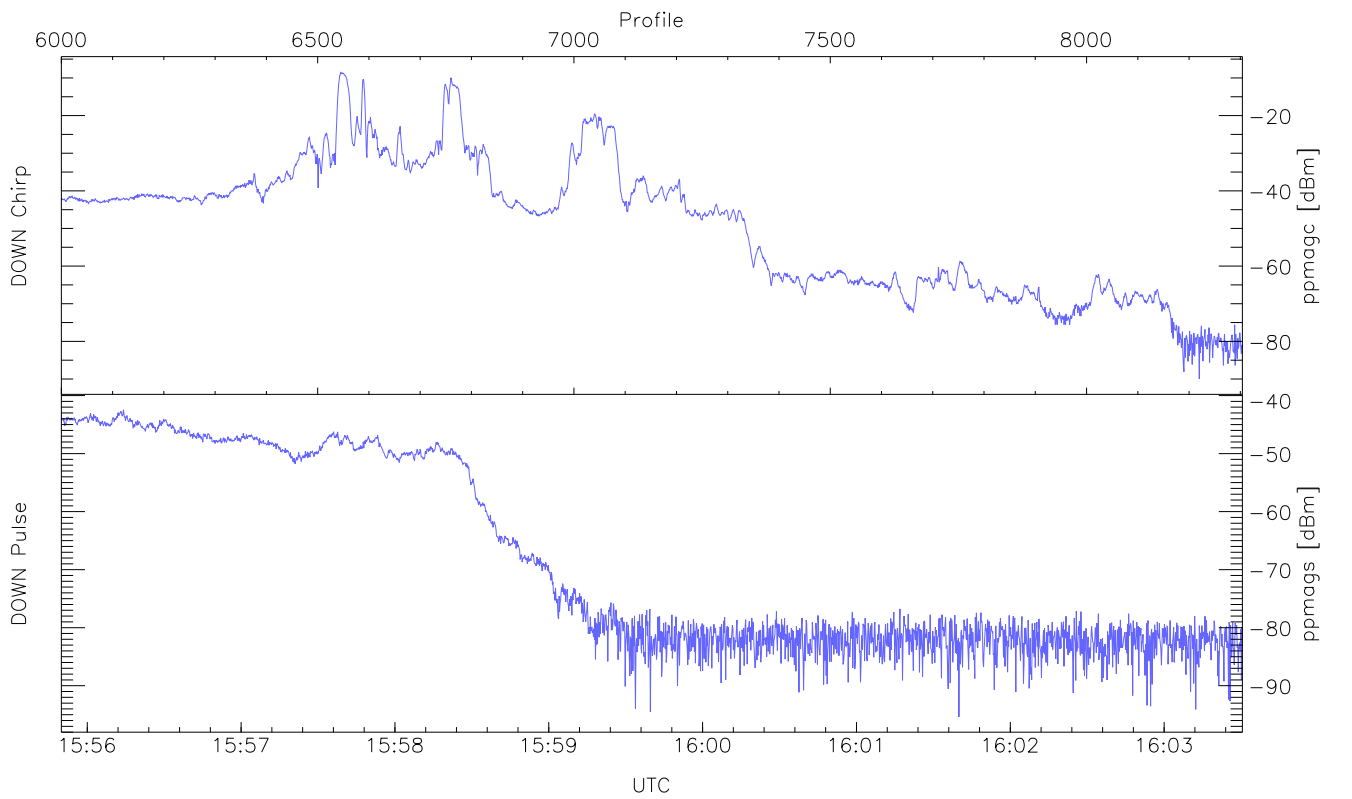
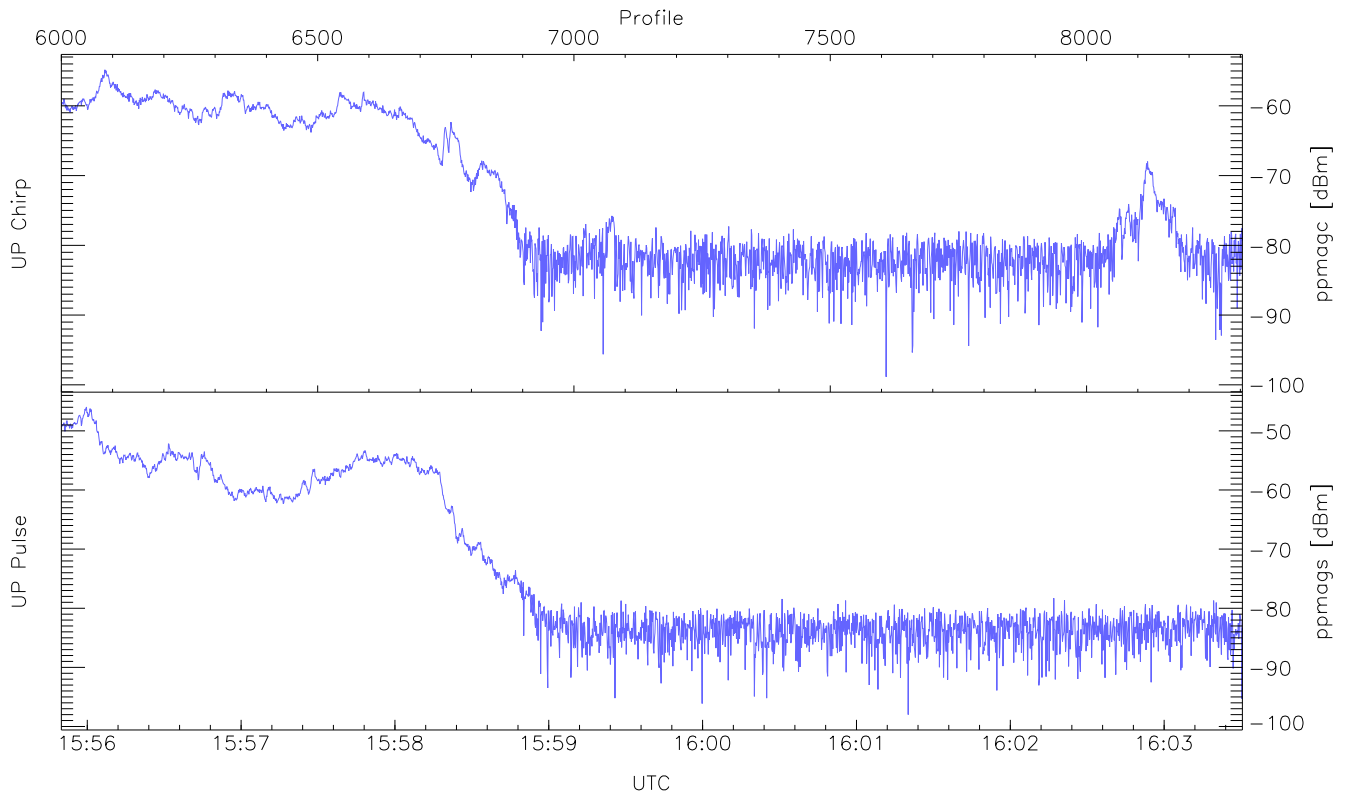
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG173_0	-40.03	40.04	0.67	1.36	23.17
UP_P_RG178_0	-40.02	40.06	-0.56	-0.69	22.57
DOWN_C_RM_3	-40.02	40.03	-0.40	-0.78	23.15
DOWN_P_RG130_3	-39.98	40.06	-0.18	-0.70	22.64



KPR SPP Received Power for Chirp Range gate 10 (1315.8 m)
 KPR SPP Received Power for Pulse Range gate 10 (466.6 m)

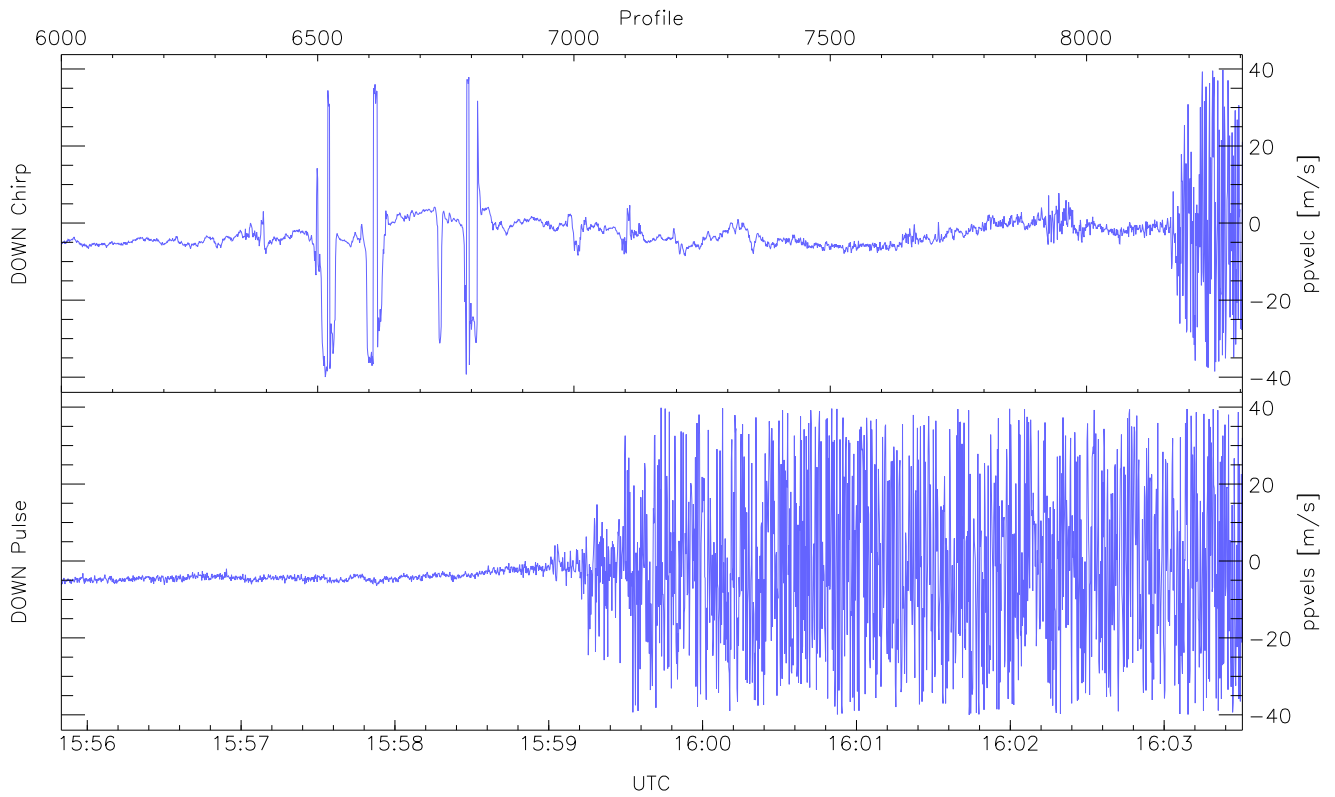
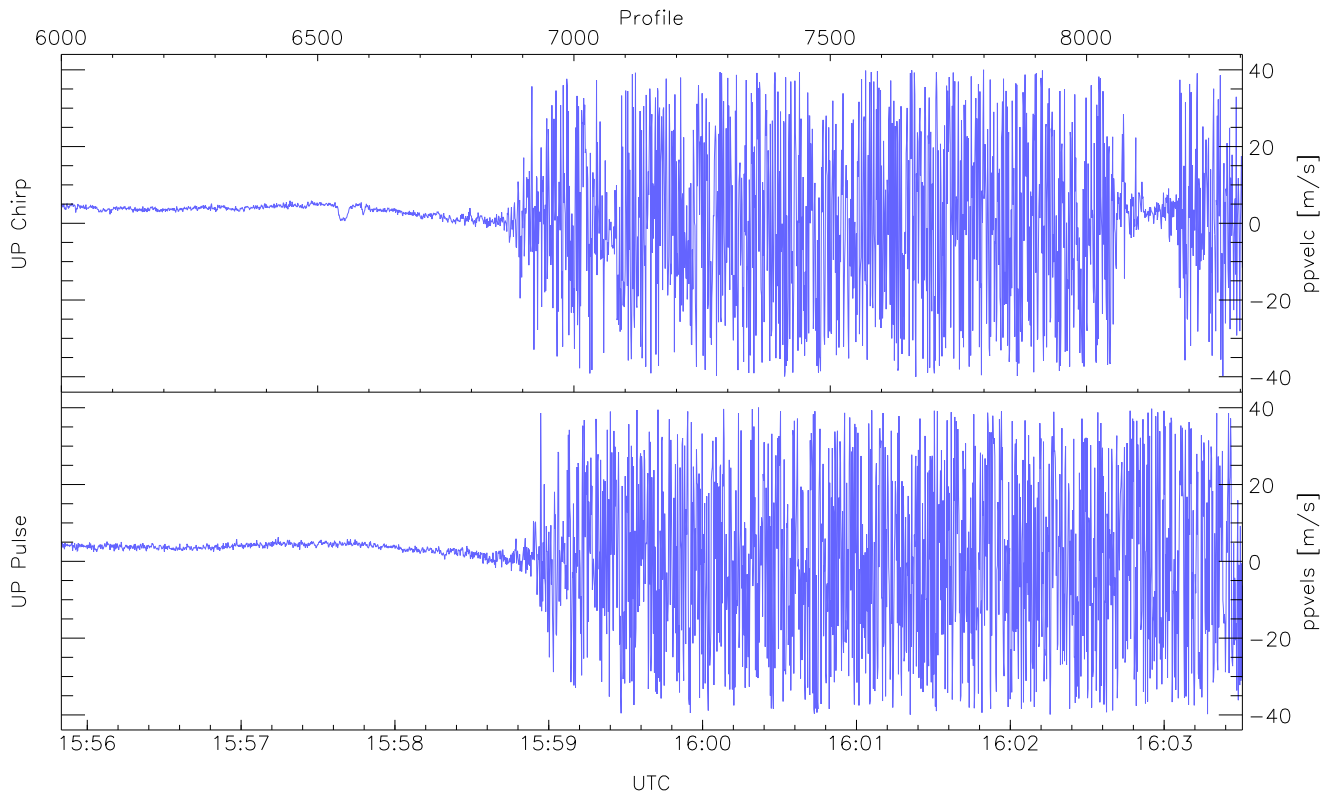
	Min	Max	Mean
UP Chirp(dBm)	-66.76	-53.86	-61.93
UP Pulse(dBm)	-68.17	-44.53	-57.26
DOWN Chirp(dBm)	-65.42	-8.32	-25.36
DOWN Pulse(dBm)	-66.74	-41.01	-49.92



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

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

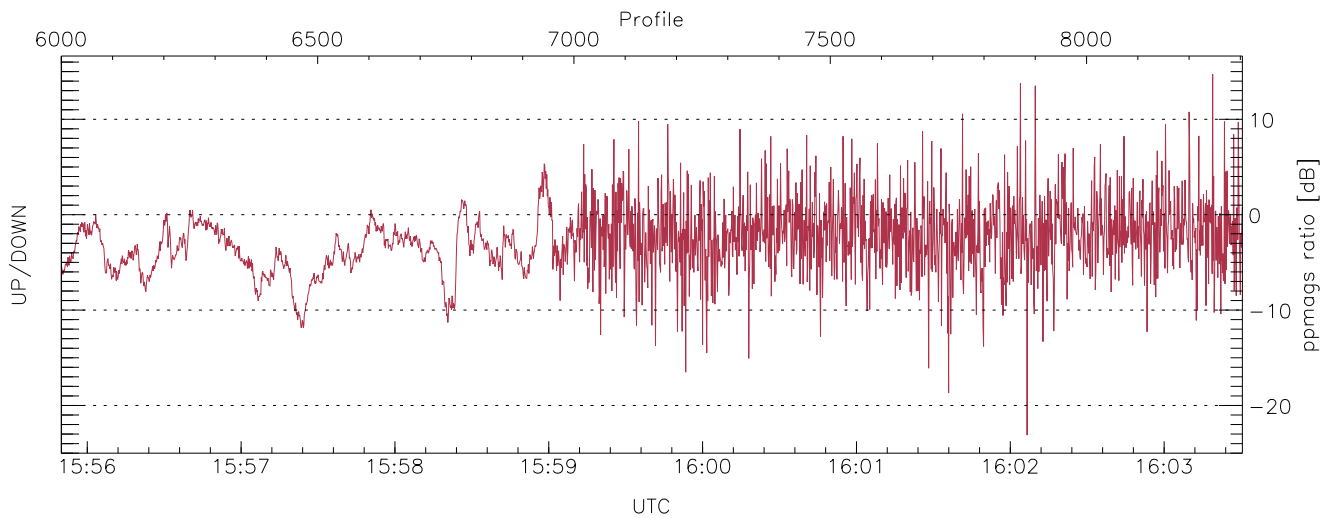
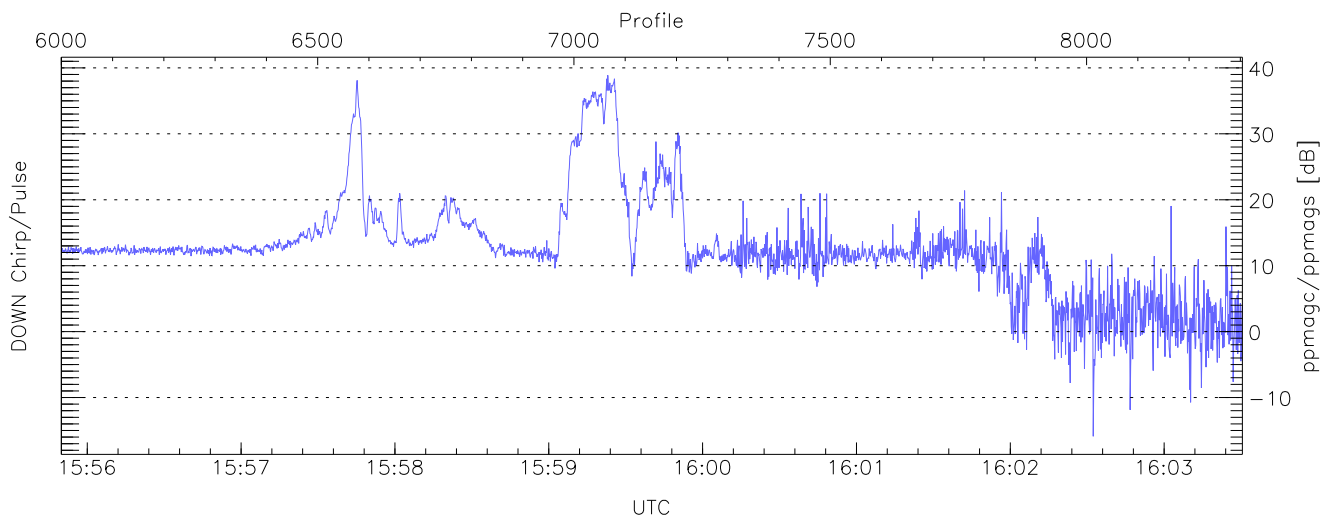
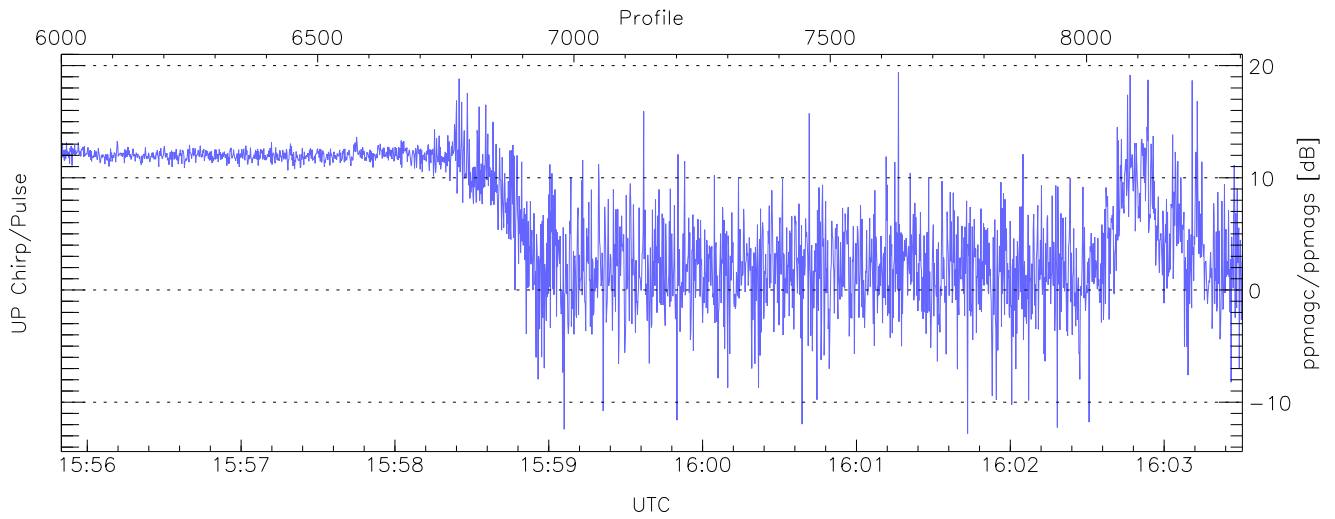
	Min	Max	Mean
UP Chirp(dBm)	-98.85	-54.83	-64.74
UP Pulse(dBm)	-97.99	-46.05	-59.18
DOWN Chirp(dBm)	-90.01	-8.41	-26.17
DOWN Pulse(dBm)	-95.36	-42.44	-51.51



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)	-40.03	40.01	1.57
UP Pulse(m/s)	-39.93	40.06	1.25
DOWN Chirp(m/s)	-39.97	39.74	-3.29
DOWN Pulse(m/s)	-40.00	39.84	-2.32



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-12.79	19.39	8.98
DOWN Chirp/Pulse(dBm)	-15.88	38.88	22.40
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-23.11	14.74	-1.02