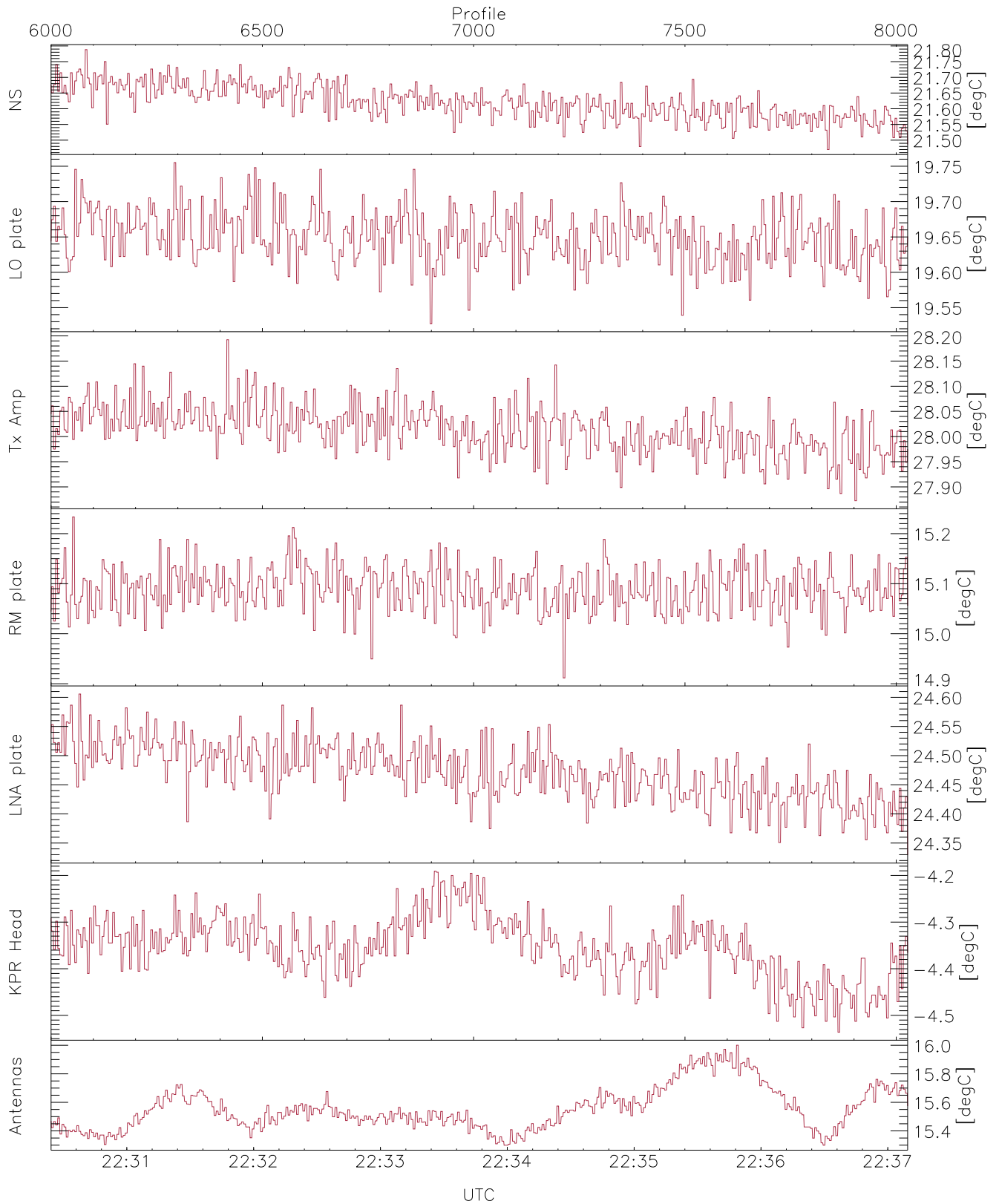


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 22:10:25-22:37:09, TimeCor: 0.00s, Dur: 405.24s
 TimeInt(min,max,mn,std): 199.6,200.2,199.9,0.0 ms; PPS: 5.0
 NumRec(r/t): 2028/8028, 6000-8027/22:30:24-22:37:09
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 MHz
 PRF: 19.0 KHz, avgPulses: 1904, avgPP: 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

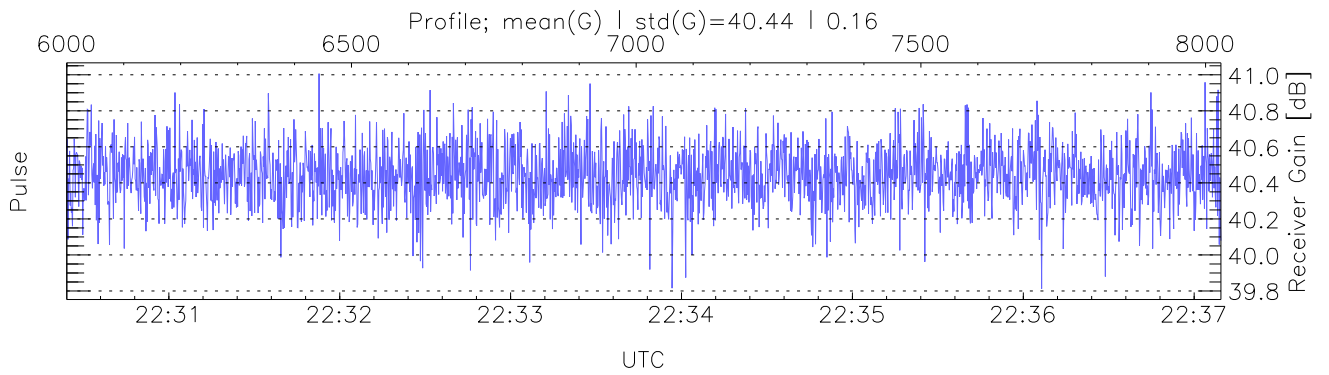
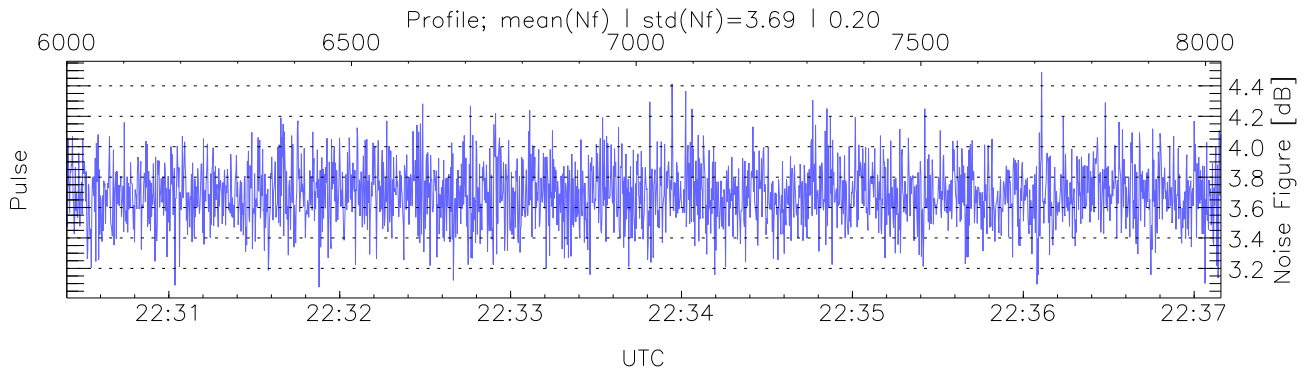
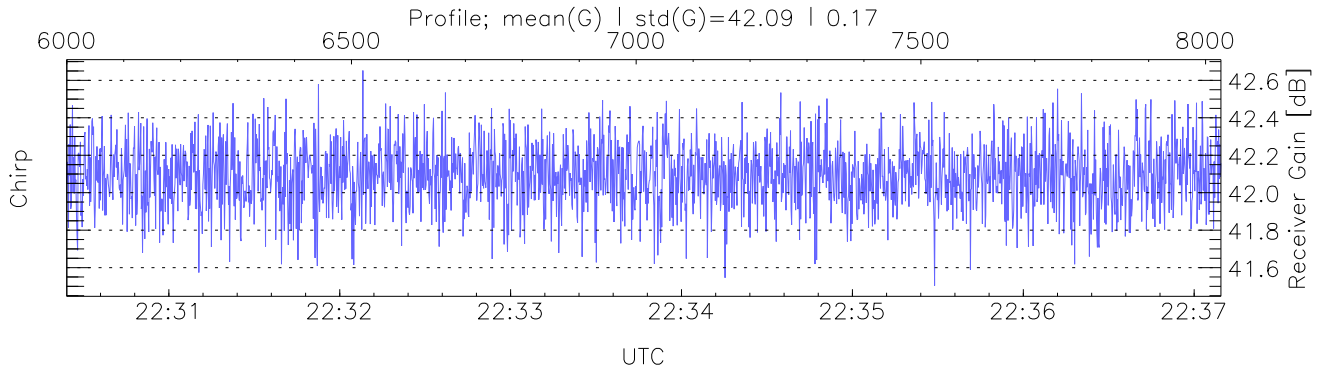
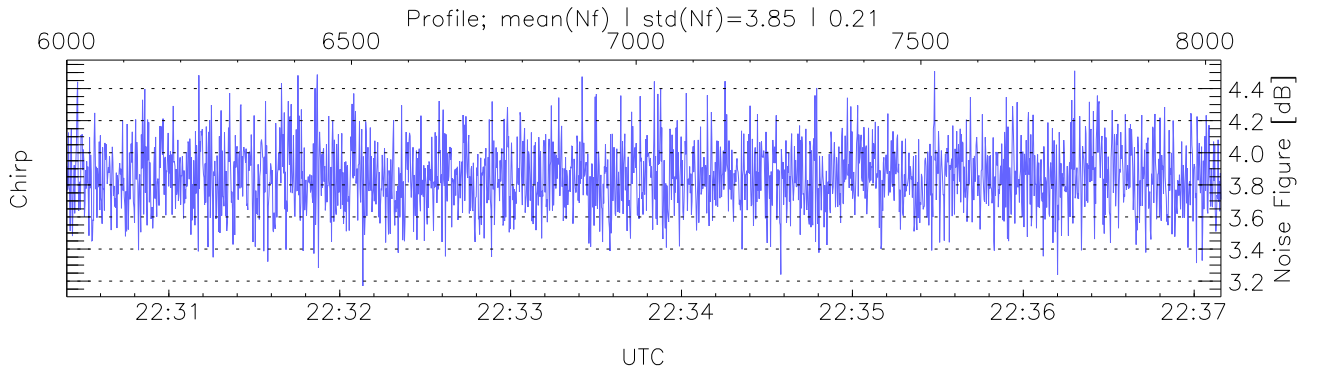


KPR SPP Temperatures, Power Supplies, PLO lock:

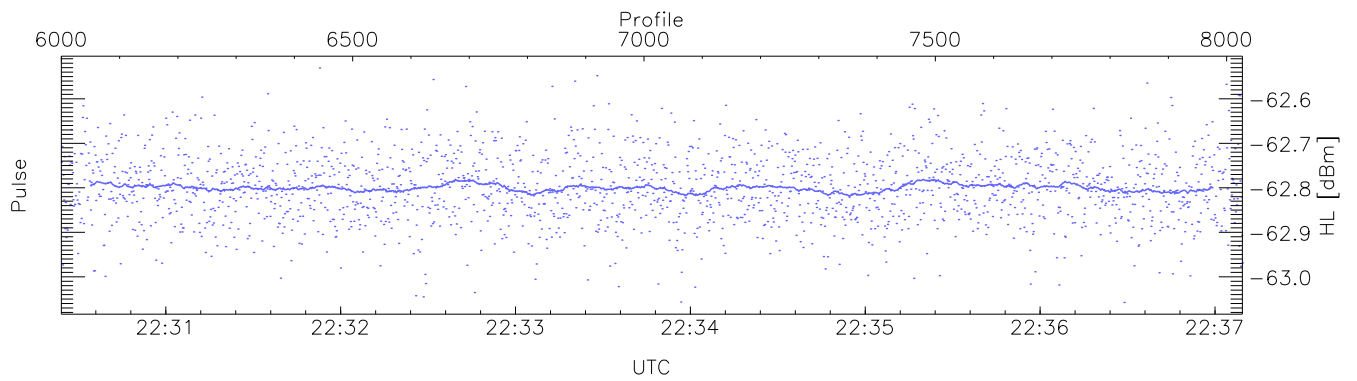
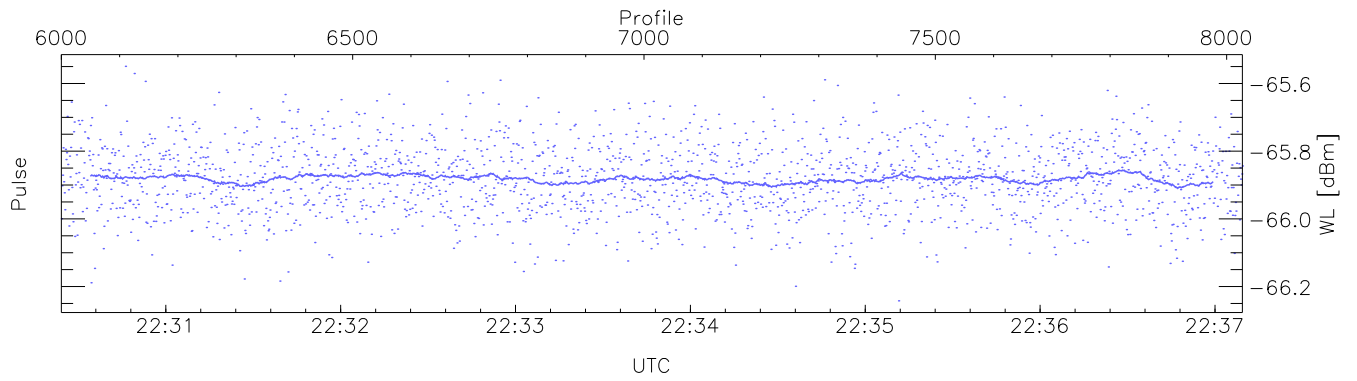
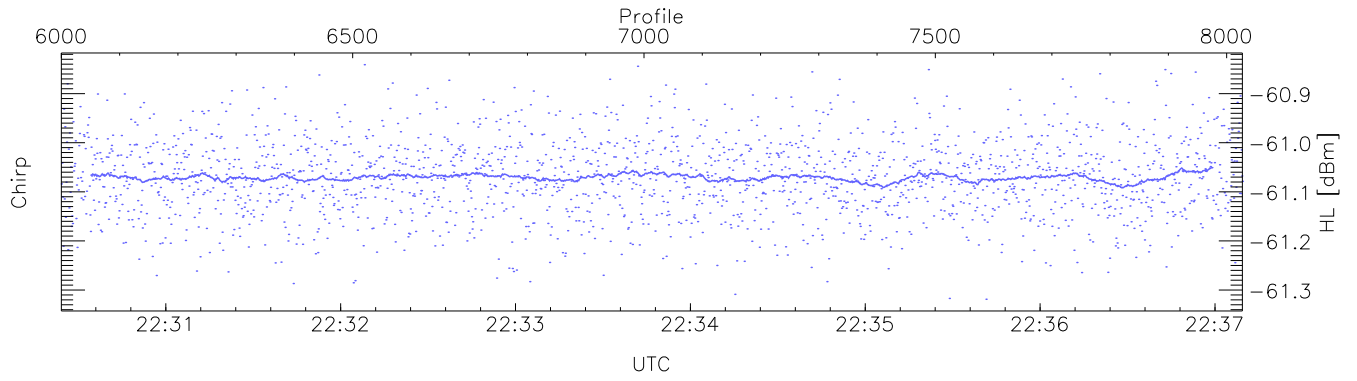
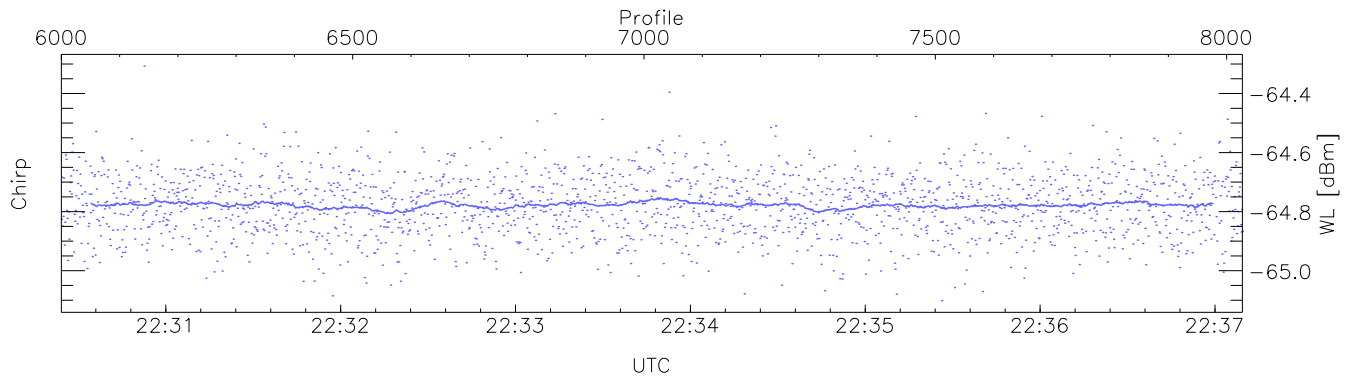
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	21.5,	19.5,	27.9,	14.9,	24.3,	-4.5,	15.3
maxtempC:	21.8,	19.8,	28.2,	15.2,	24.6,	-4.2,	16.0
meantempC:	21.6,	19.6,	28.0,	15.1,	24.5,	-4.4,	15.6

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.56,	11.66,	7.87,	5.21
maxVDC:	27.85,	11.72,	7.89,	5.23
meanVDC:	26.92,	11.69,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

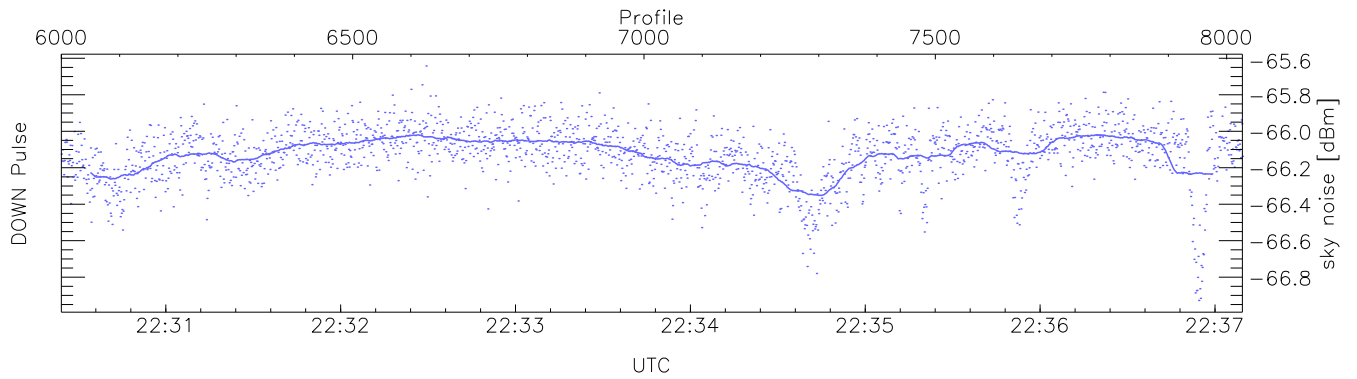
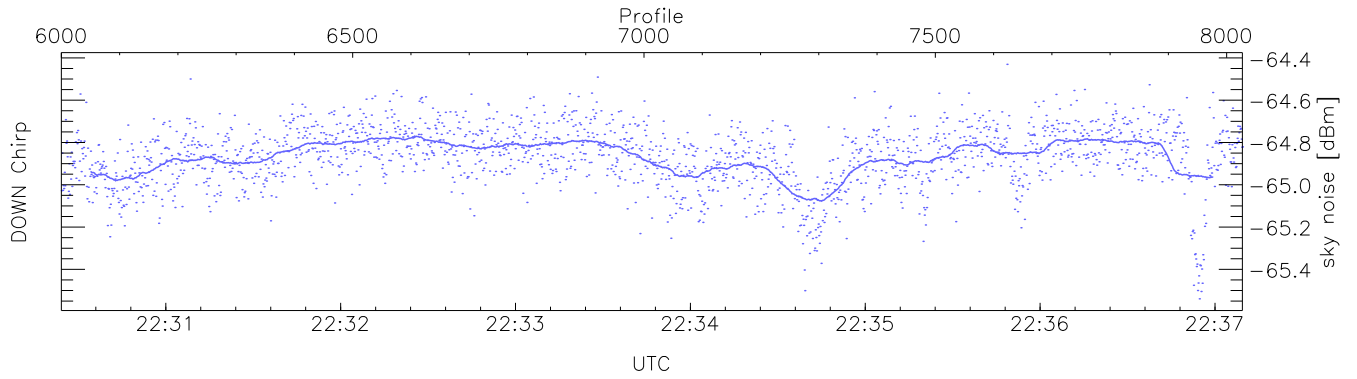
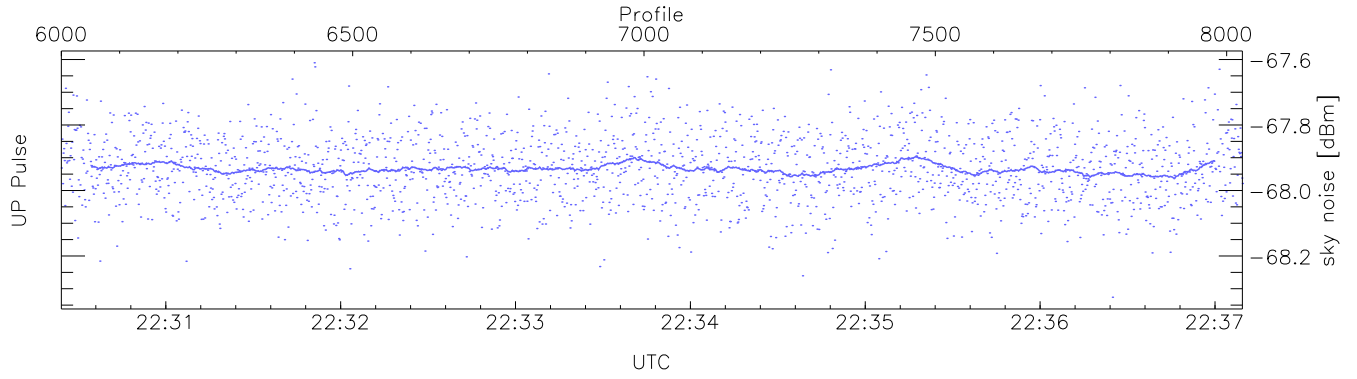
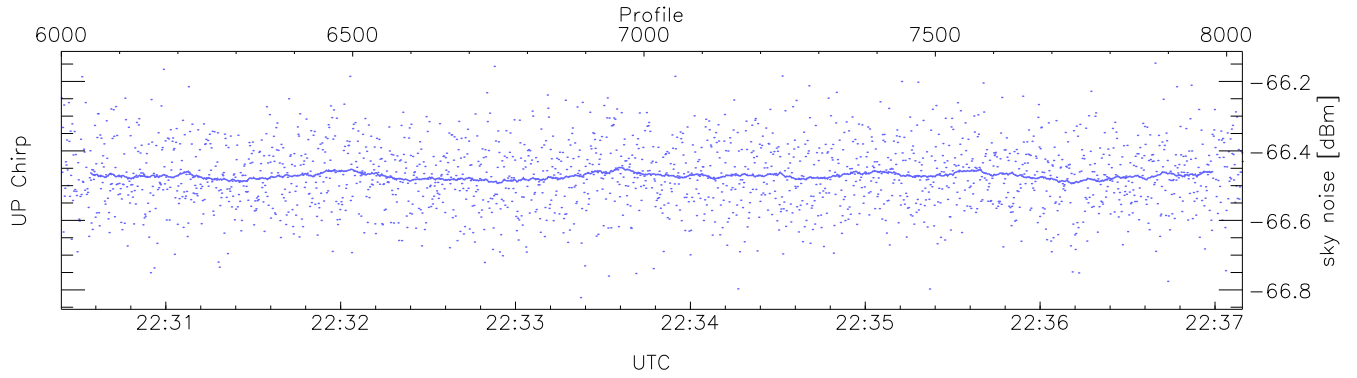


KPR SPP Receiver Gain and Noise Figure



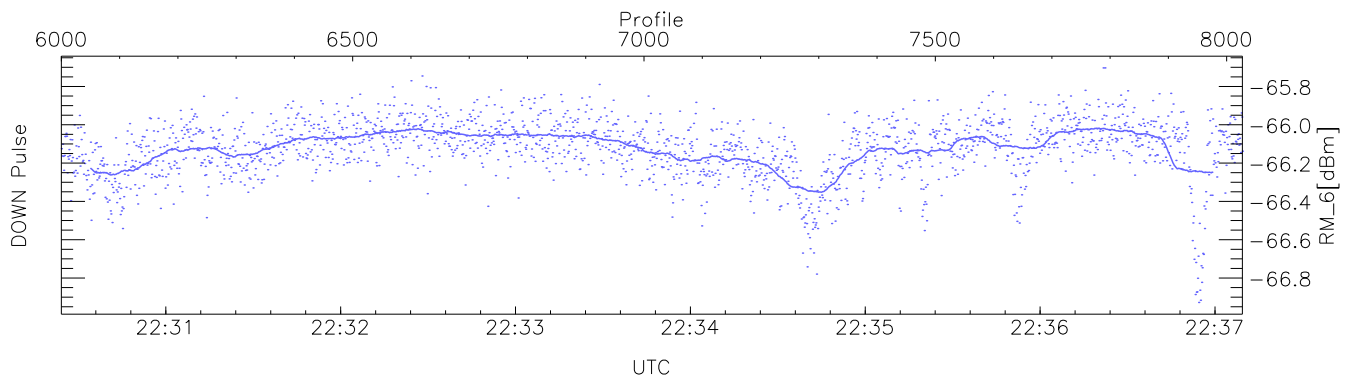
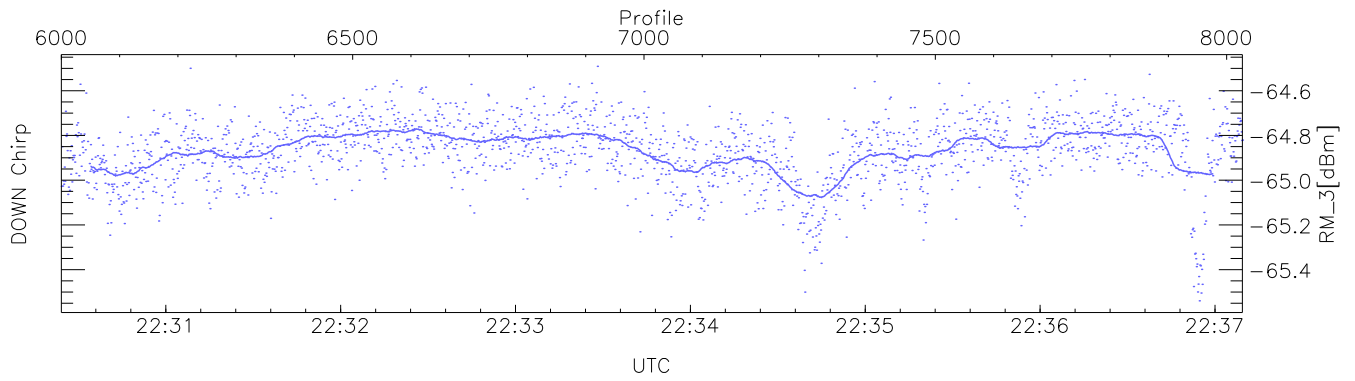
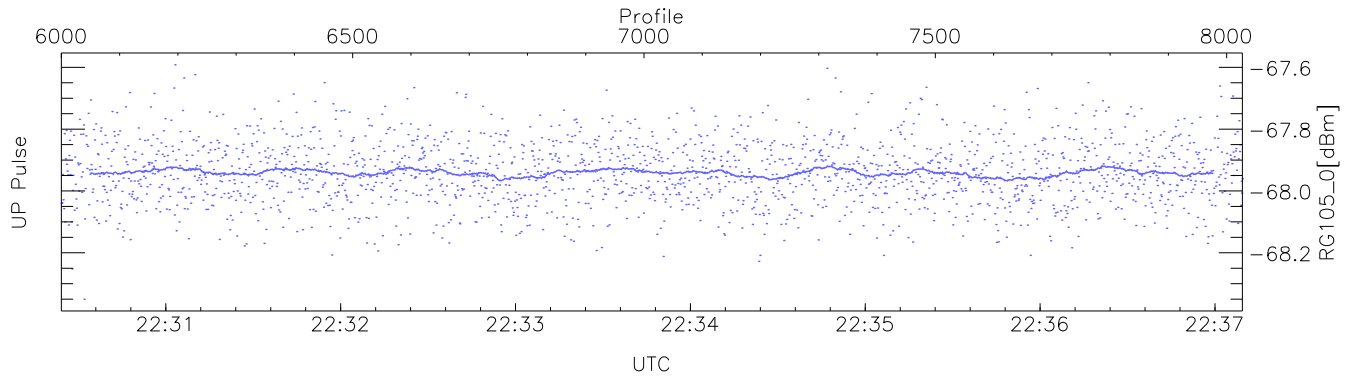
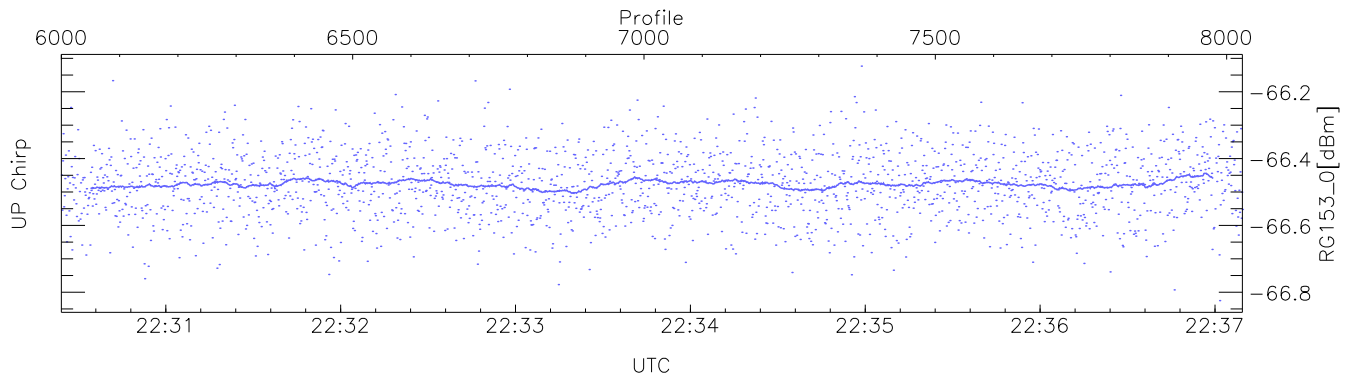
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.10	-64.31	-64.78	-64.78	-81.05
Chirp(HL [dBm])	-61.32	-60.84	-61.07	-61.07	-78.56
Pulse(WL [dBm])	-66.24	-65.55	-65.88	-65.88	-82.24
Pulse(HL [dBm])	-63.06	-62.53	-62.80	-62.80	-80.35



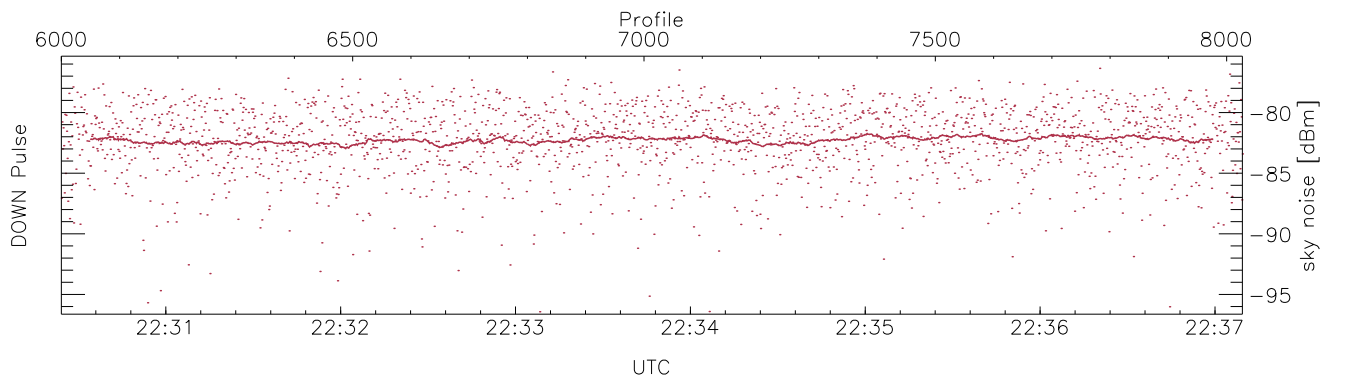
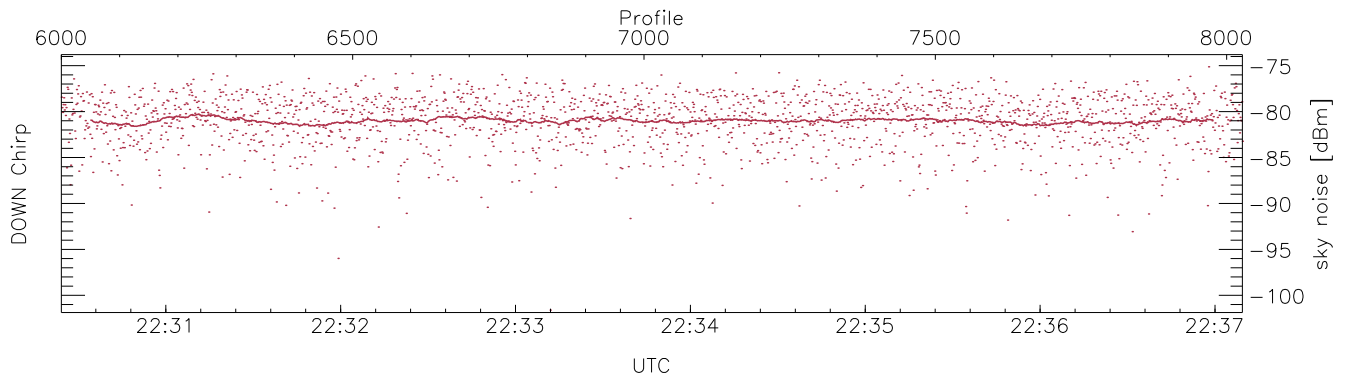
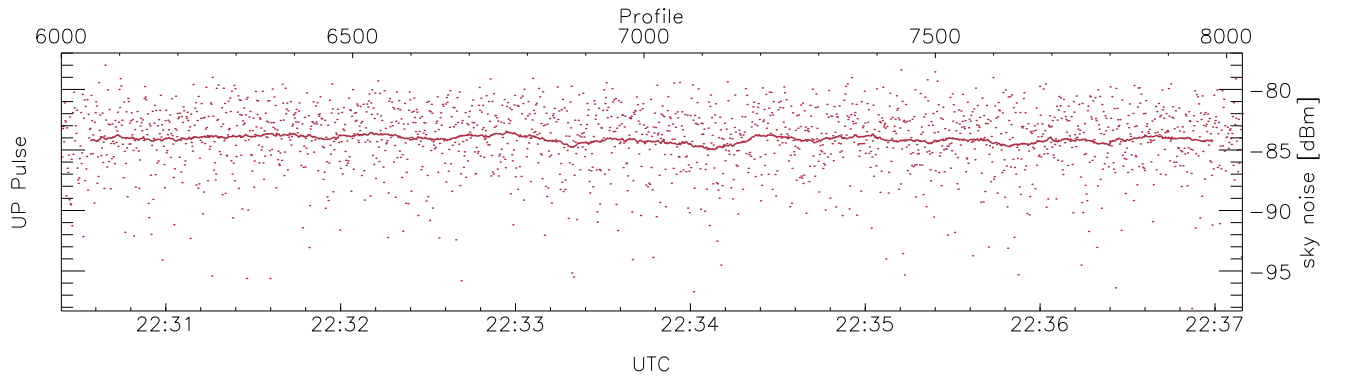
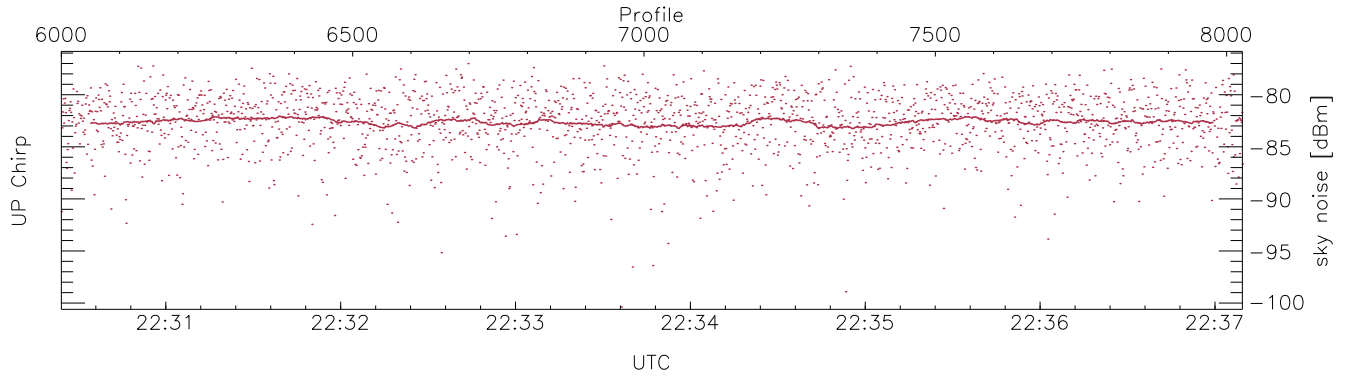
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.82	-66.15	-66.47	-66.47	-82.91
UP Pulse(dBm)	-68.33	-67.61	-67.93	-67.93	-84.24
DOWN Chirp(dBm)	-65.54	-64.43	-64.87	-64.85	-79.73
DOWN Pulse(dBm)	-66.93	-65.64	-66.12	-66.11	-80.78



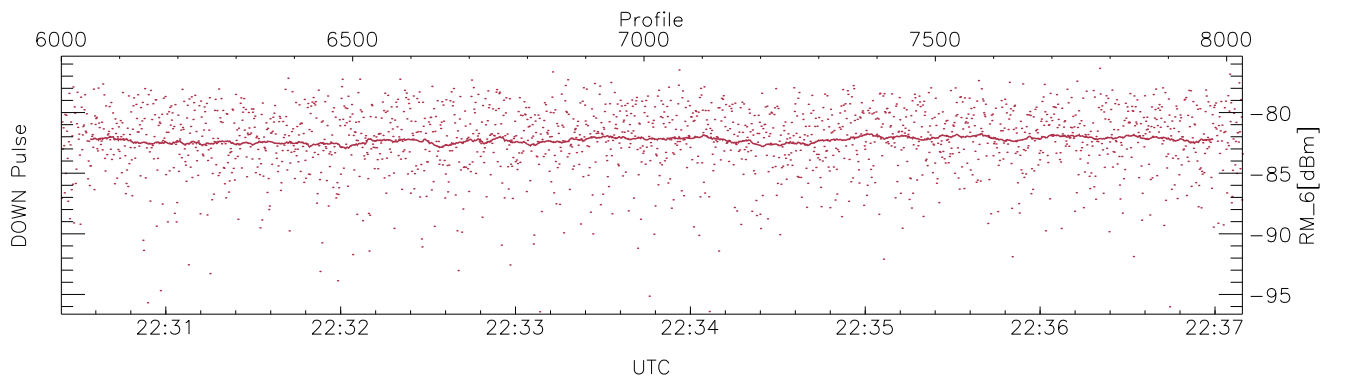
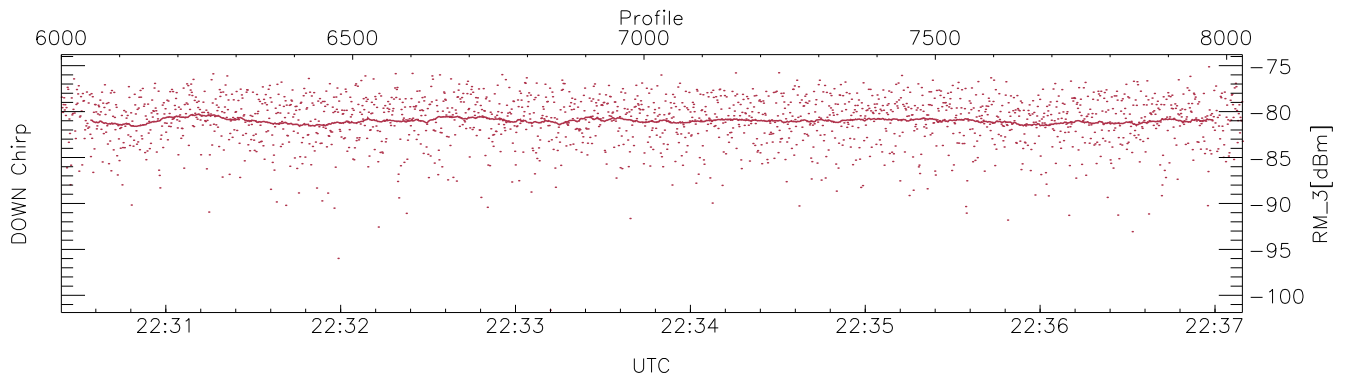
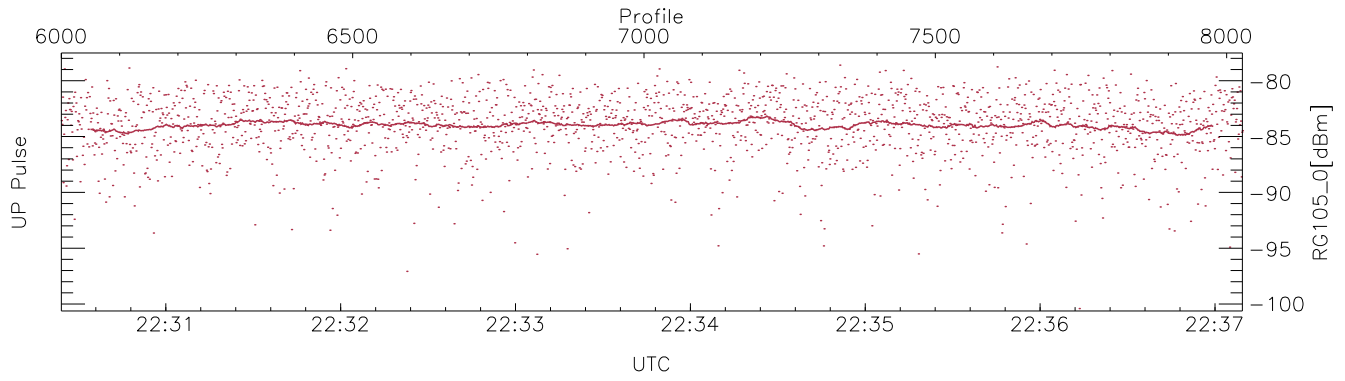
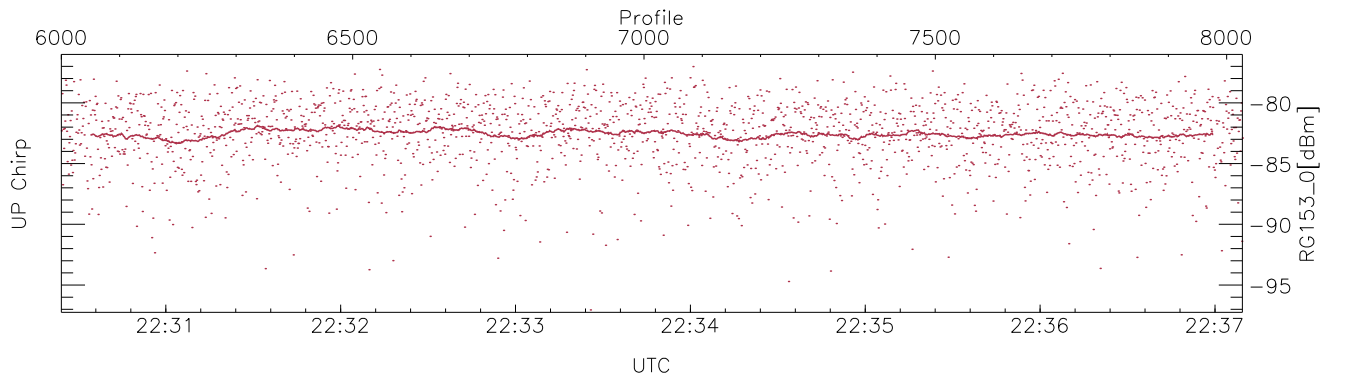
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG153_0	-66.83	-66.12	-66.48	-66.47	-82.91
UP_P_RG105_0	-68.35	-67.59	-67.94	-67.94	-84.26
DOWN_C_RM_3	-65.54	-64.49	-64.87	-64.85	-79.75
DOWN_P_RM_6	-66.93	-65.70	-66.12	-66.11	-80.78



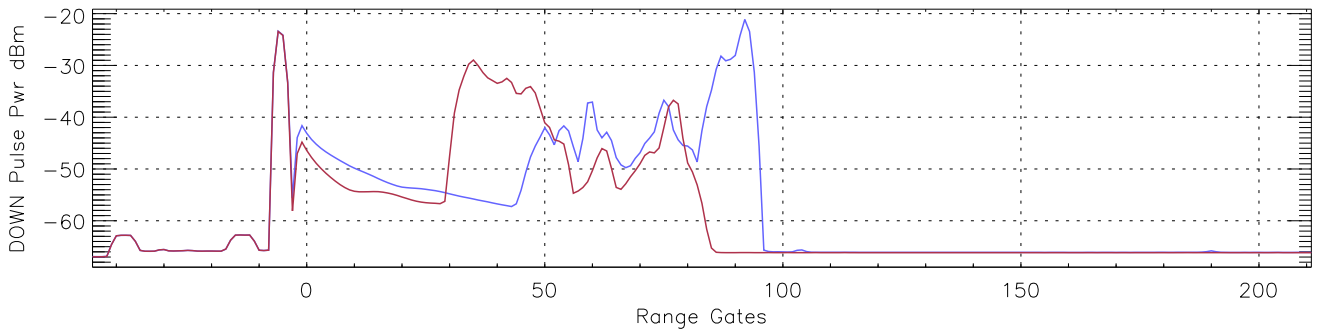
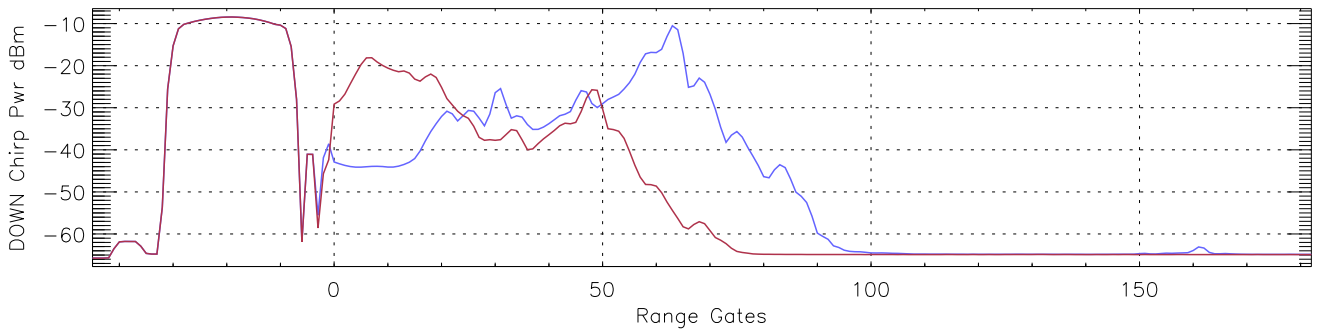
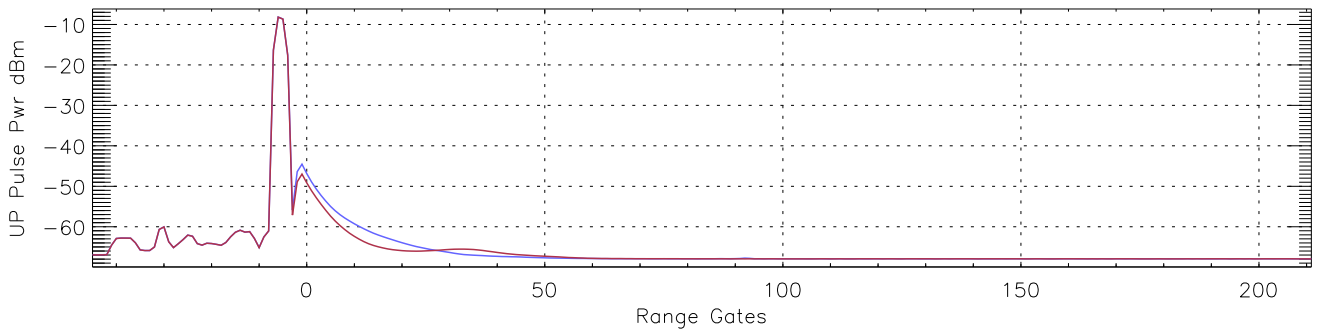
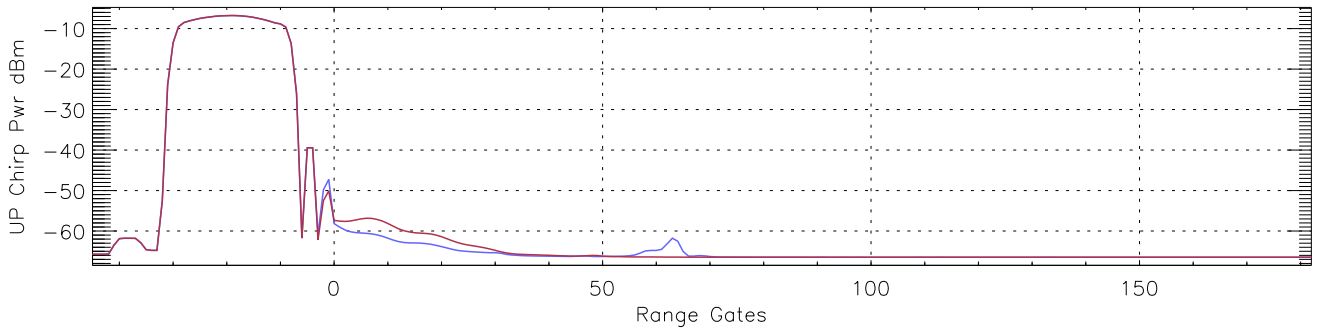
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-100.38	-77.01	-81.91	-82.25	-84.64
UP Pulse(dBm)	-98.10	-77.99	-83.38	-83.64	-86.16
DOWN Chirp(dBm)	-101.61	-75.12	-80.28	-80.50	-83.10
DOWN Pulse(dBm)	-96.43	-76.36	-81.53	-81.89	-84.26

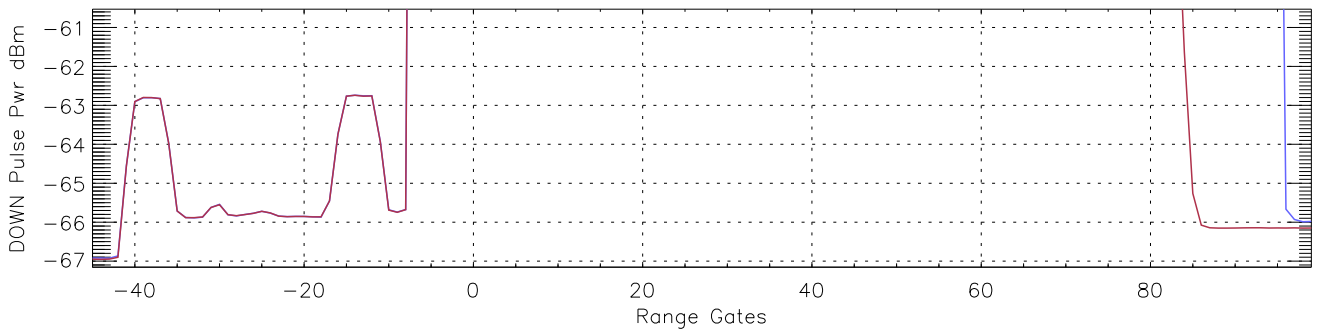
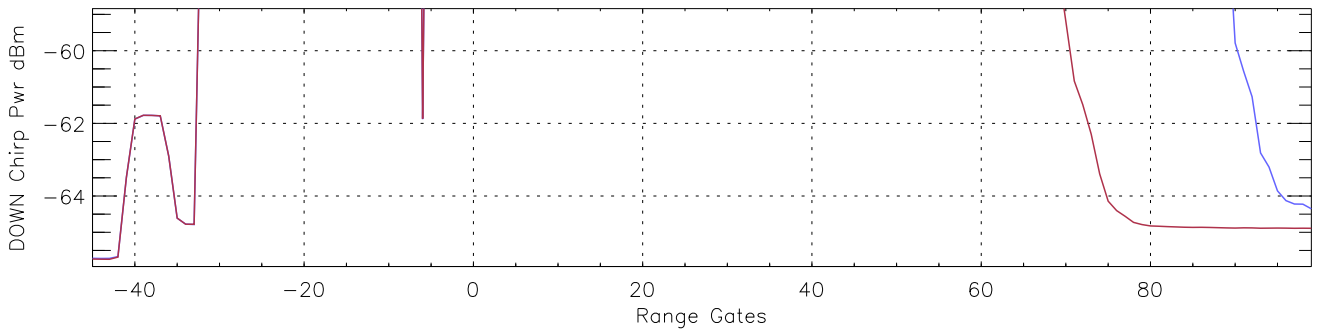
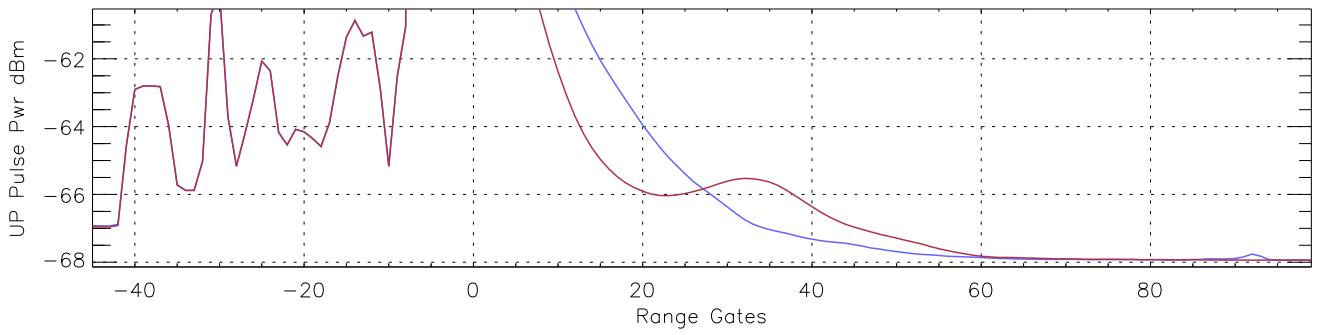
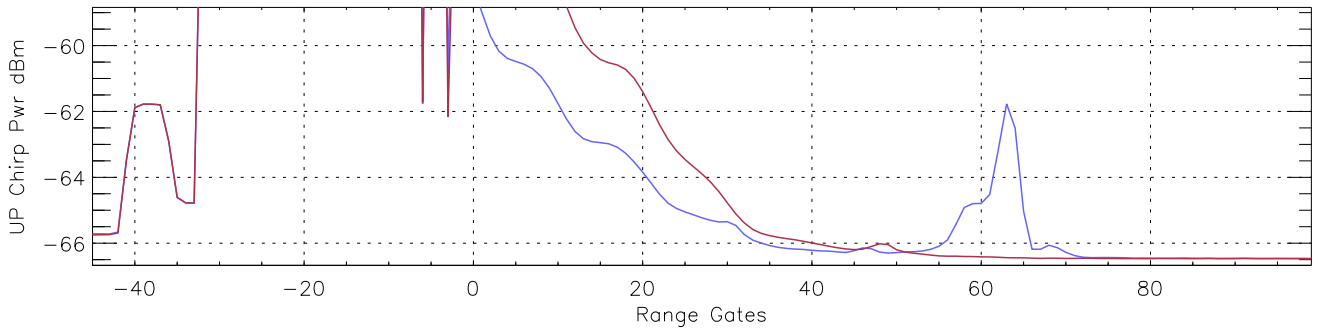


KPR SPP "Best" PPMAG noise (dBm):

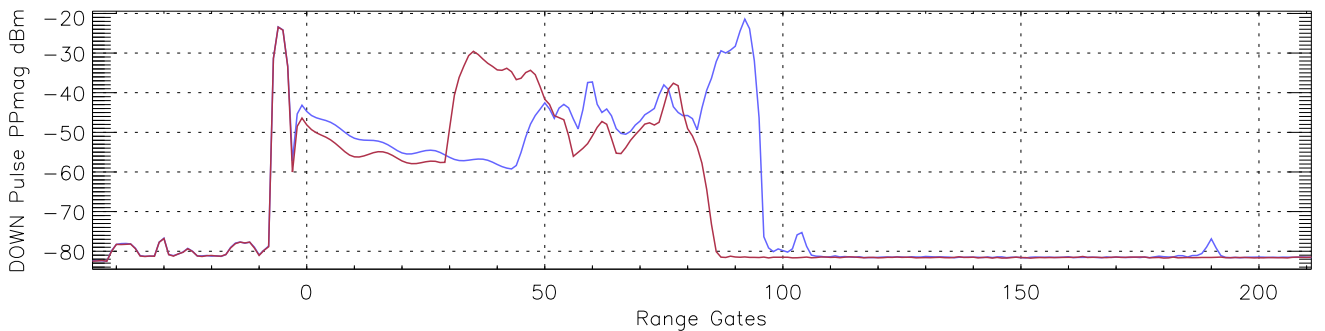
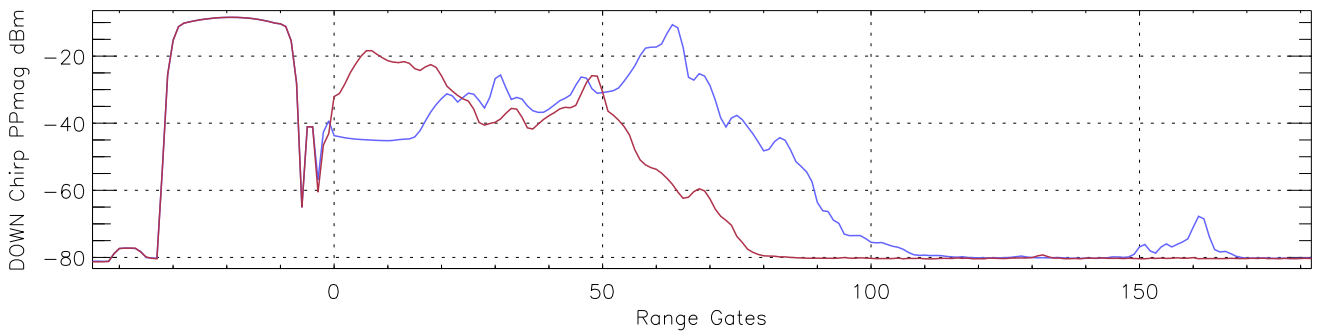
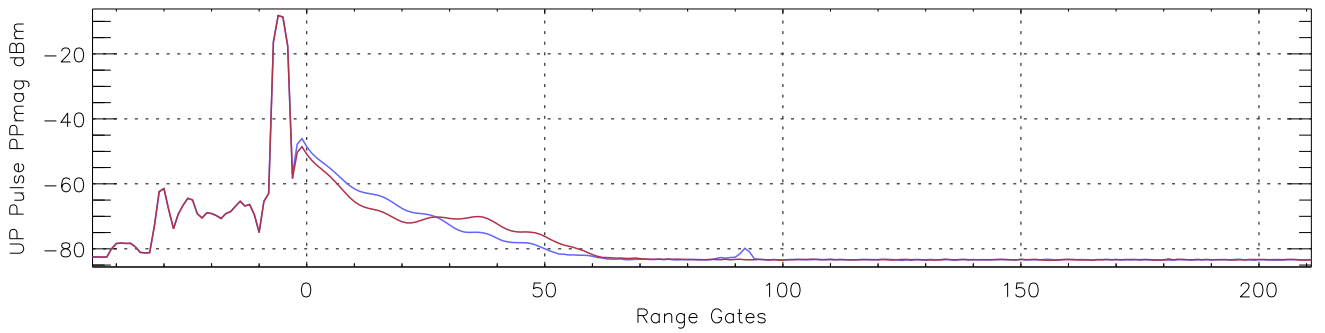
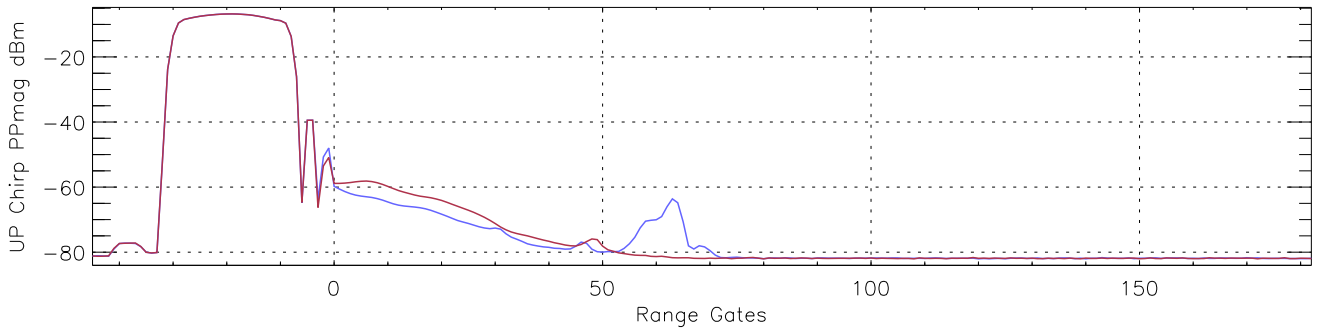
	Min	Max	Mean	Median	StDev
UP_C_RG153_0	-97.05	-77.01	-81.85	-82.14	-84.66
UP_P_RG105_0	-100.40	-78.61	-83.31	-83.57	-86.23
DOWN_C_RM_3	-101.61	-75.12	-80.28	-80.50	-83.10
DOWN_P_RM_6	-96.43	-76.36	-81.53	-81.89	-84.26



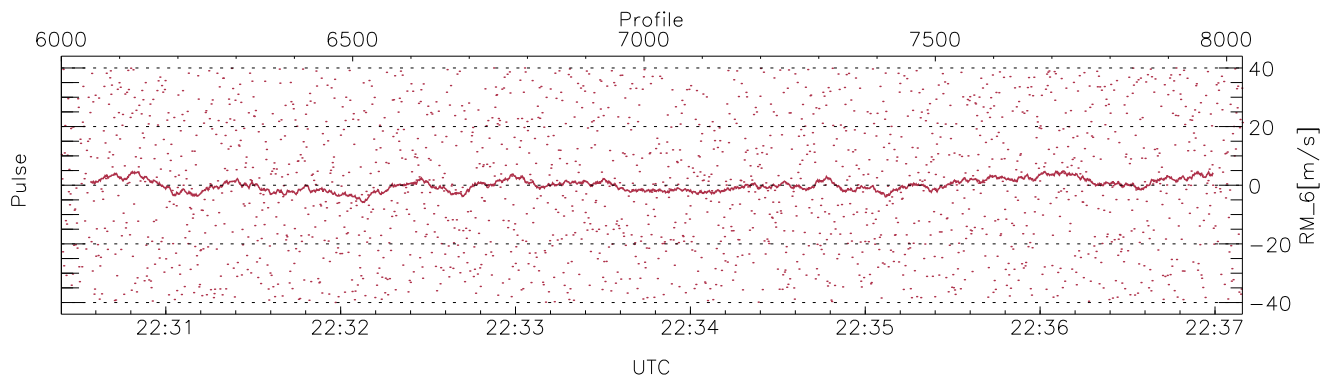
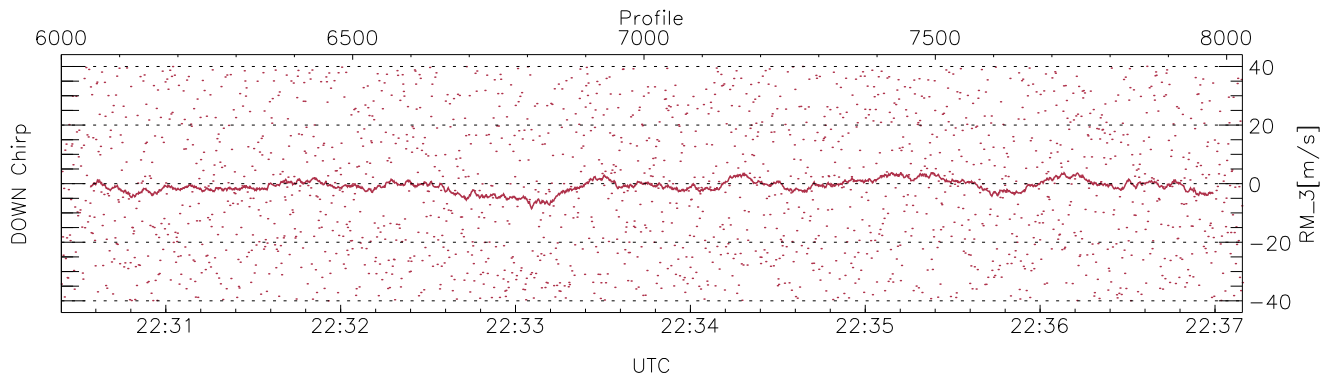
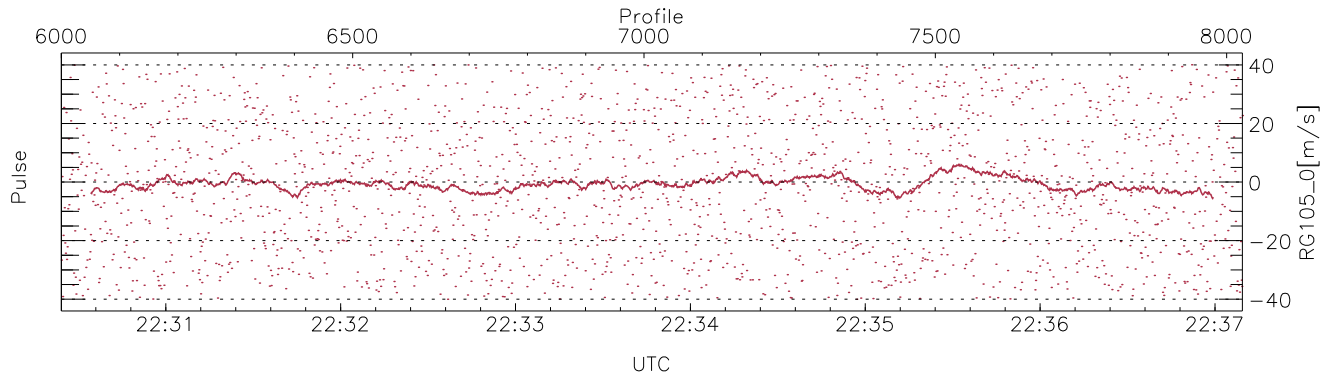
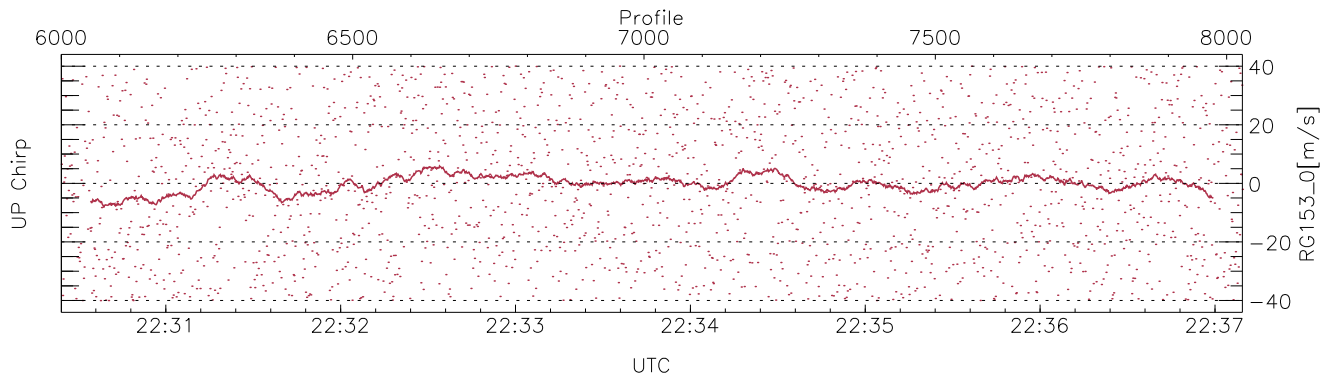
KPR SPP Averaged Received power for all recorded gates
blue: 223024-223346, 1015 profiles averaged
red: 223346-223709, 1014 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 223024-223346, 1015 profiles averaged
red: 223346-223709, 1014 profiles averaged

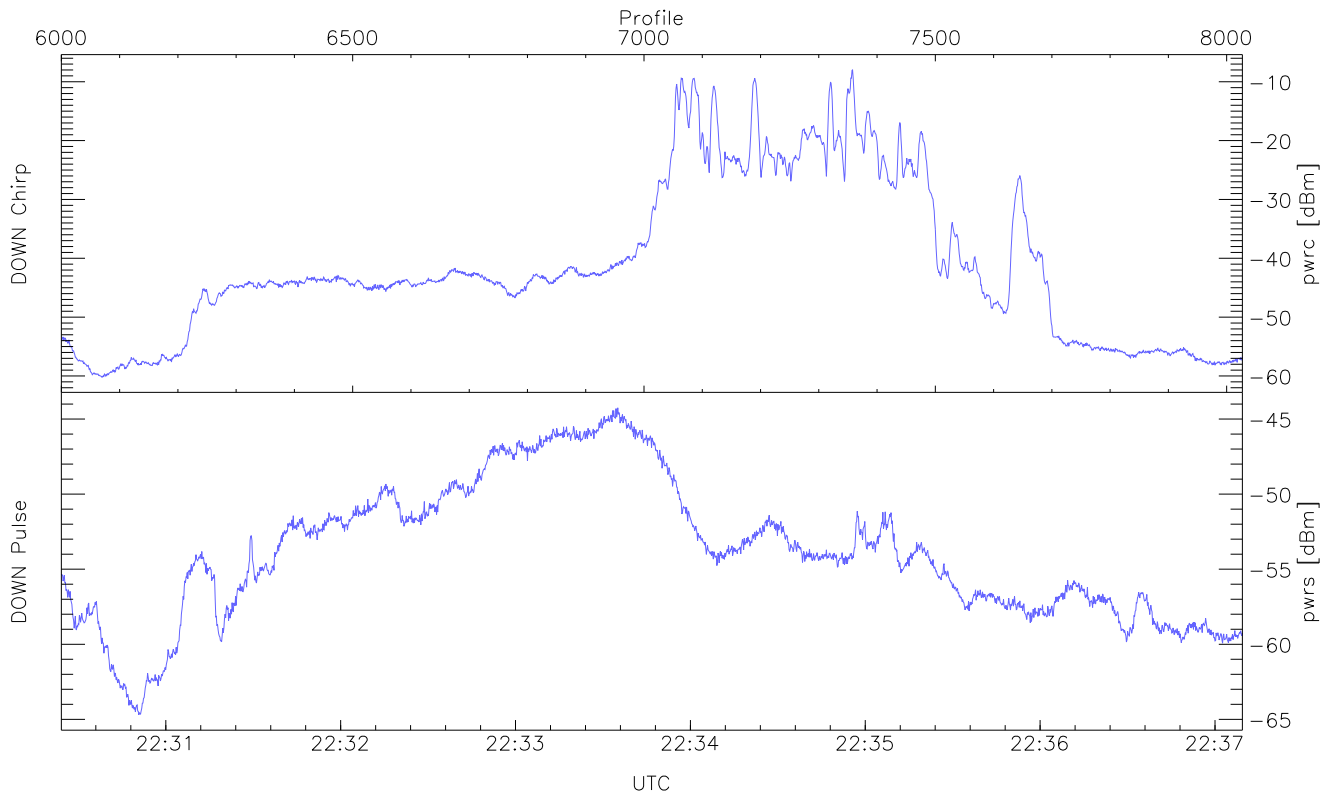
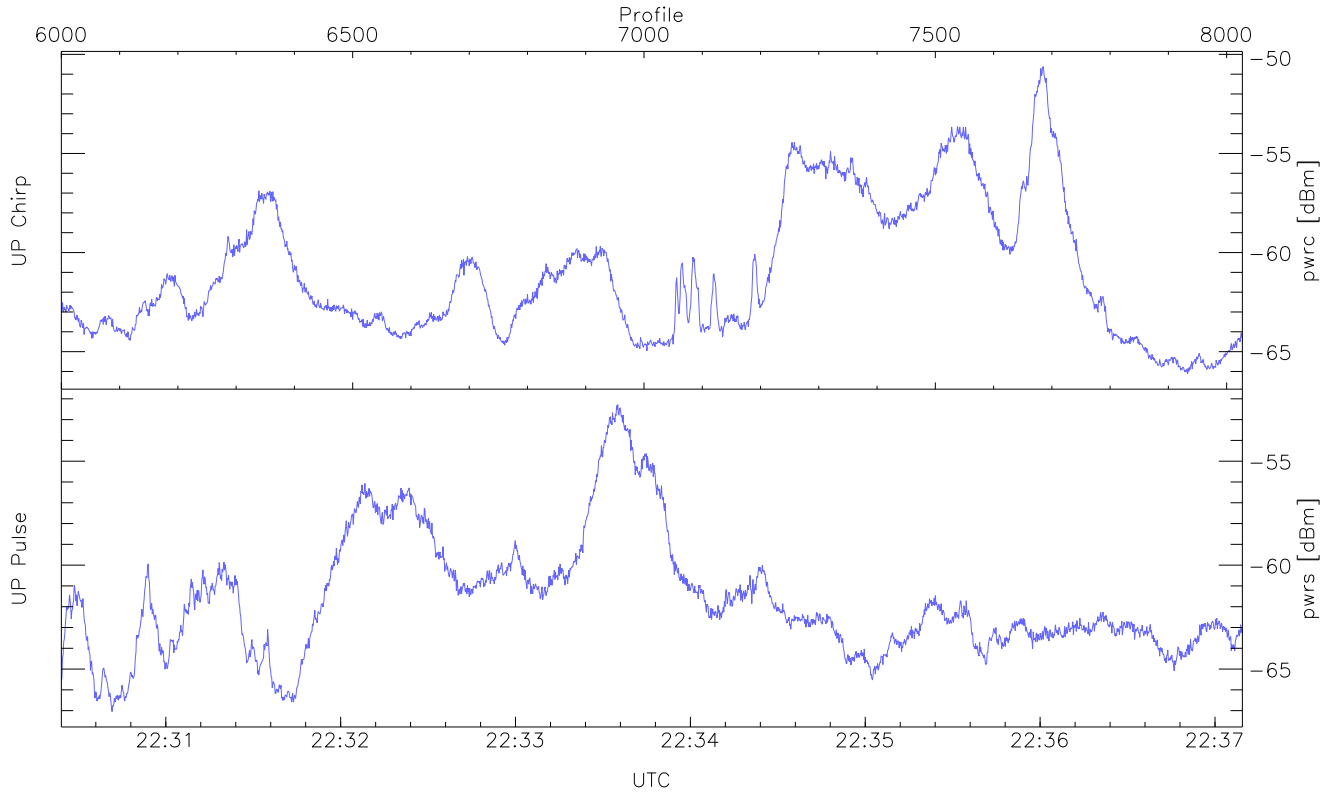


KPR SPP Averaged PP magnitude for all recorded gates
blue: 223024-223346, 1015 profiles averaged
red: 223346-223709, 1014 profiles averaged



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

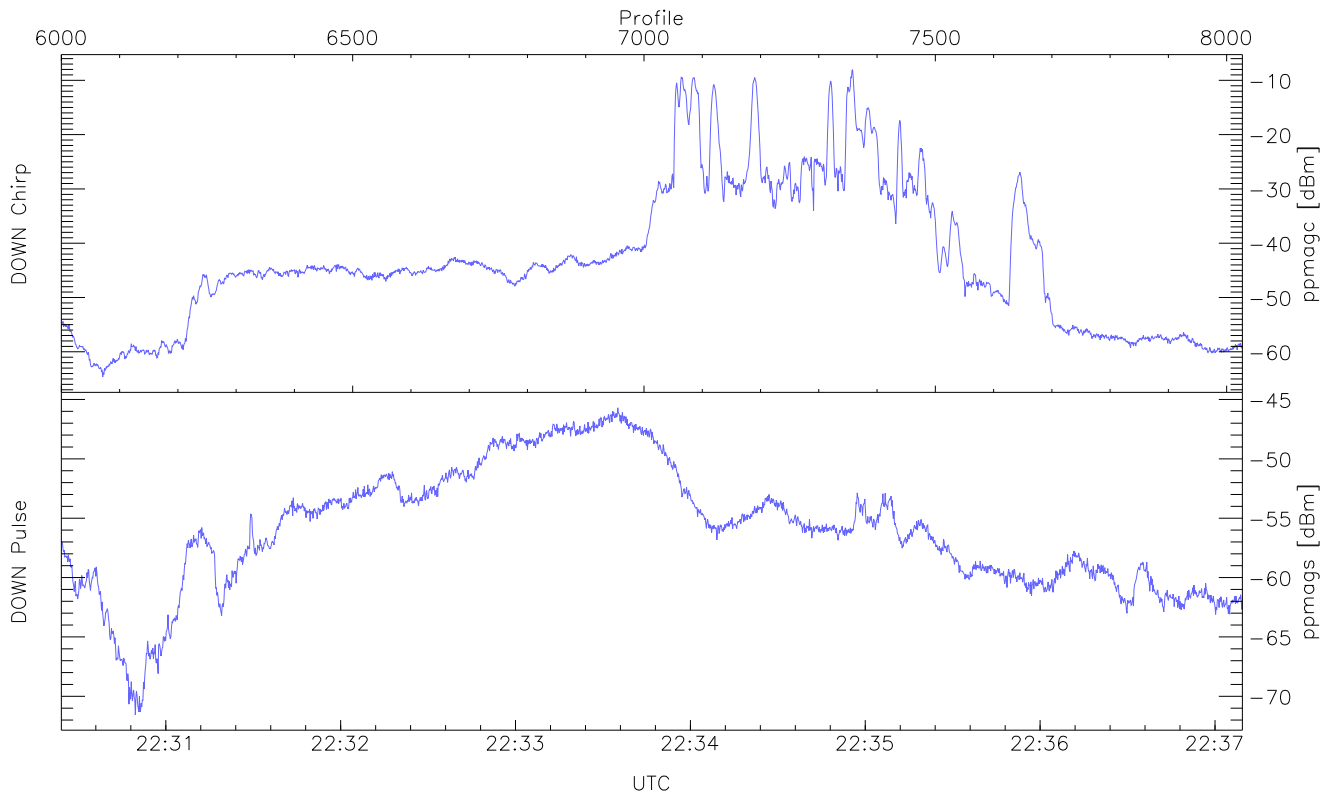
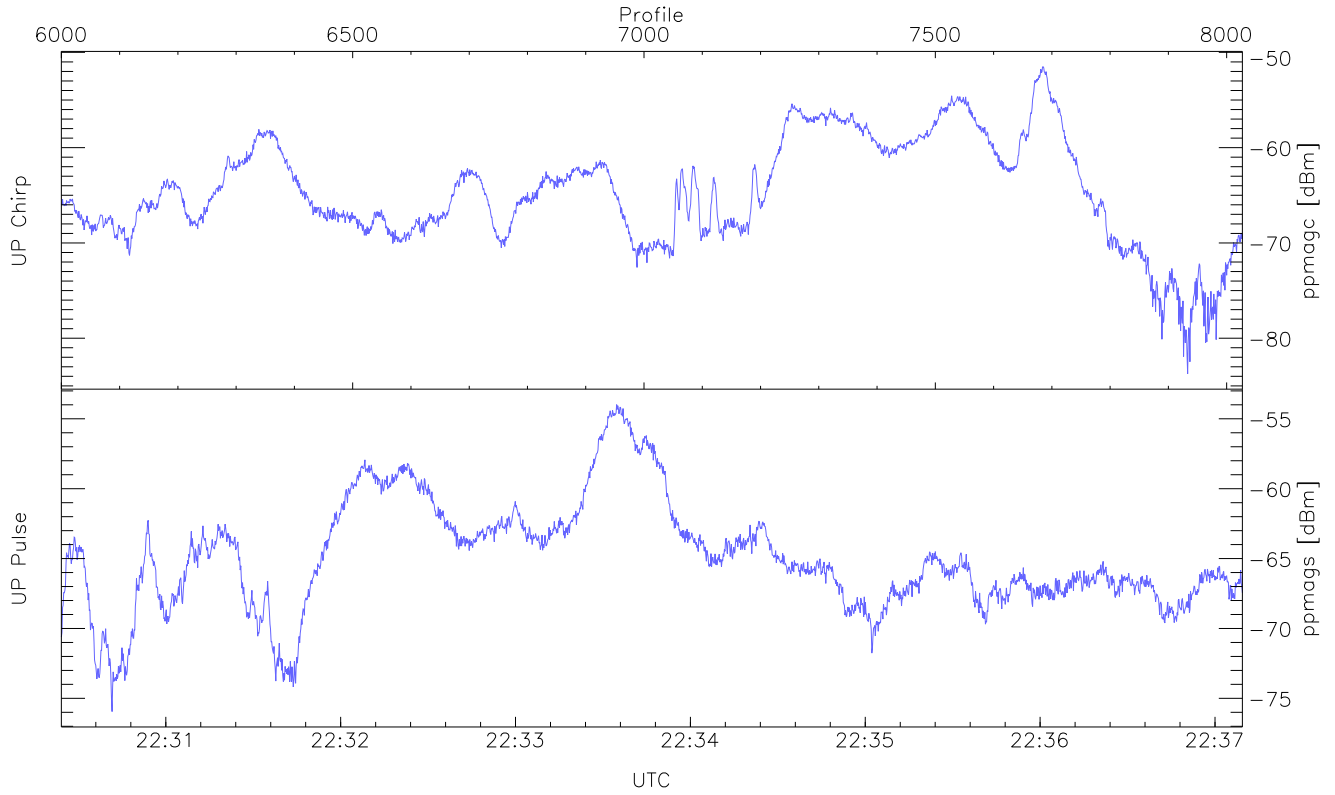
	Min	Max	Mean	Median	StDev
UP_C_RG153_0	-40.05	40.03	-0.48	-0.51	23.28
UP_P_RG105_0	-40.02	40.06	-0.92	-1.25	22.50
DOWN_C_RM_3	-40.00	40.04	-1.00	-1.68	23.31
DOWN_P_RM_6	-39.98	40.00	0.08	0.10	23.14



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

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

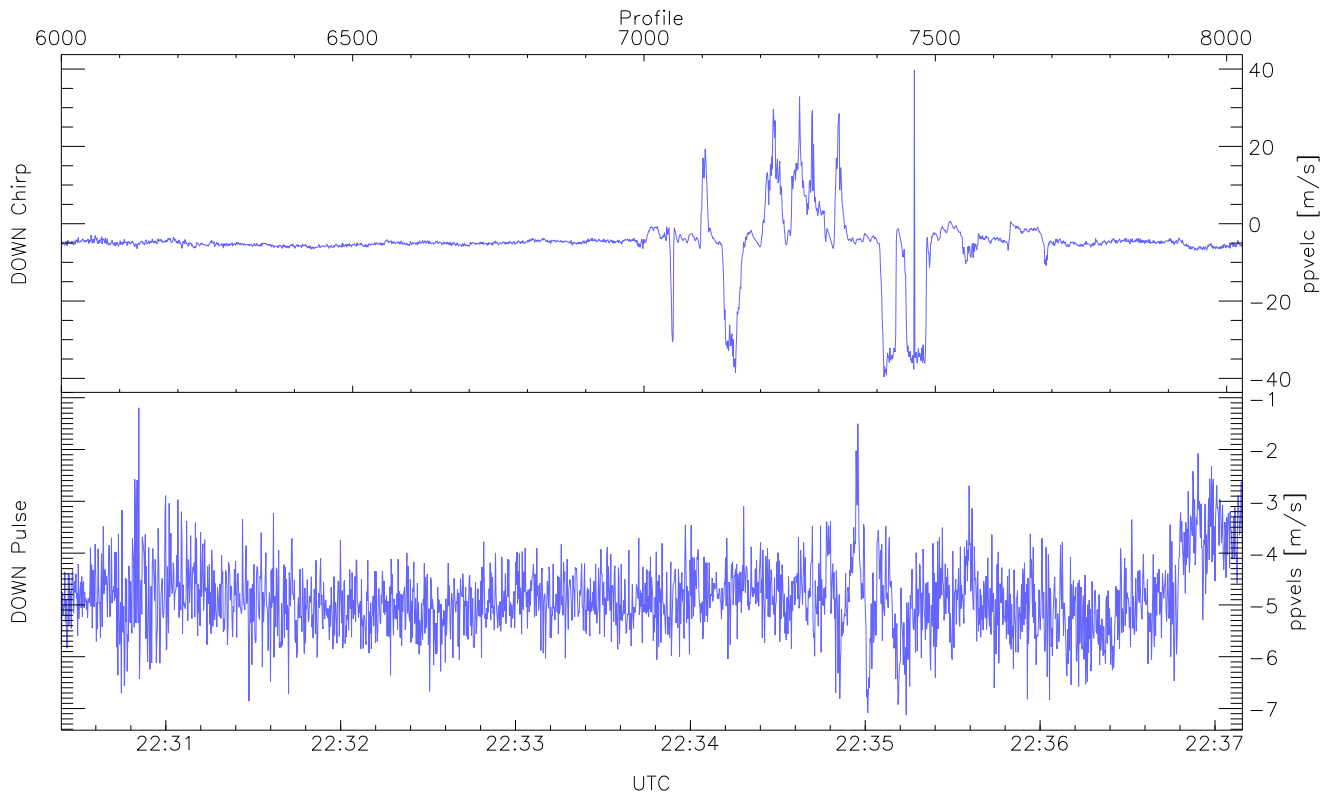
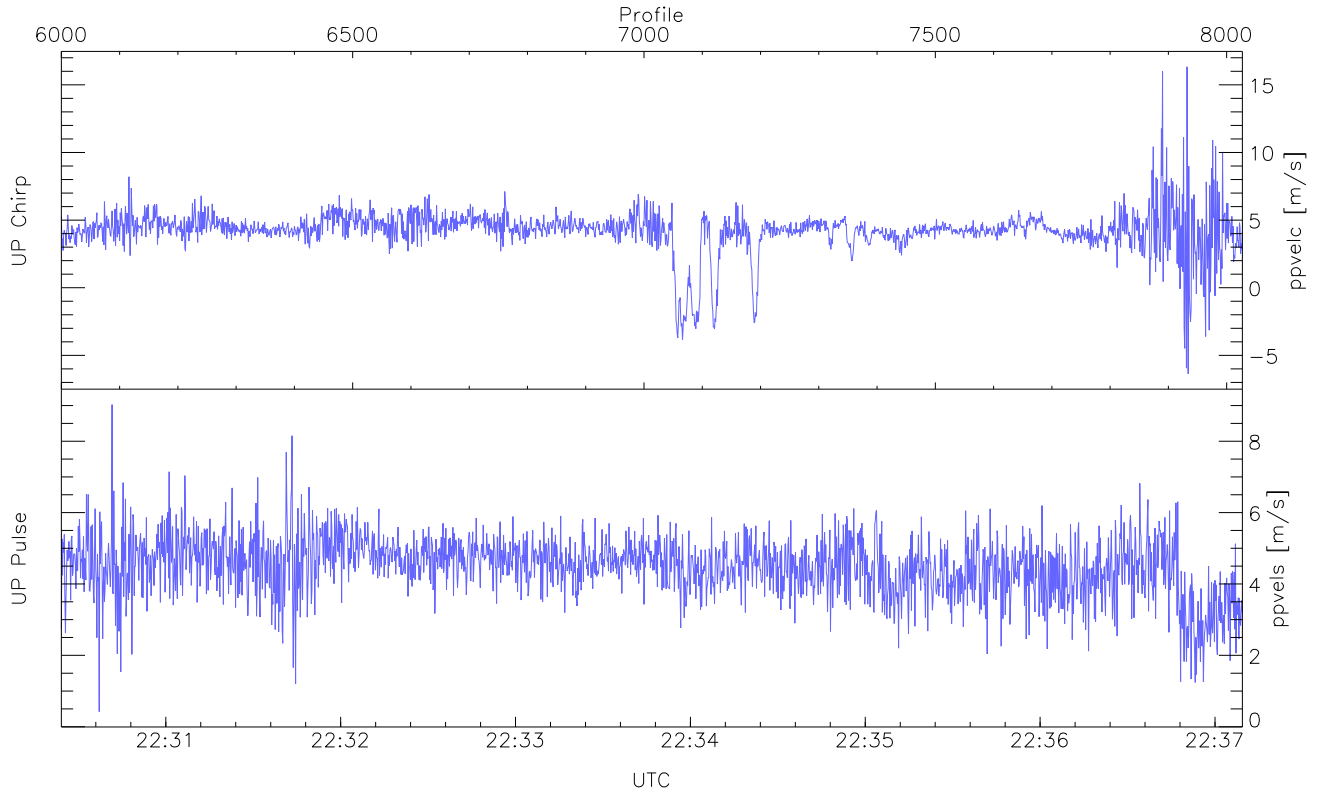
	Min	Max	Mean
UP Chirp(dBm)	-66.12	-50.63	-59.58
UP Pulse(dBm)	-67.05	-52.28	-60.55
DOWN Chirp(dBm)	-60.18	-8.00	-23.57
DOWN Pulse(dBm)	-64.70	-44.25	-51.52



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

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

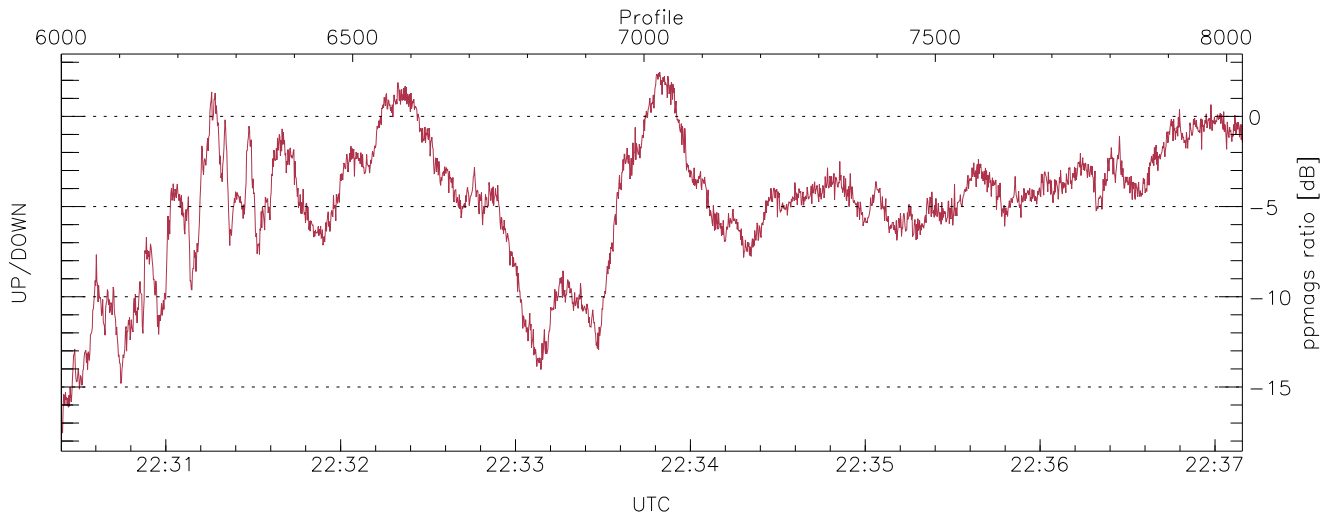
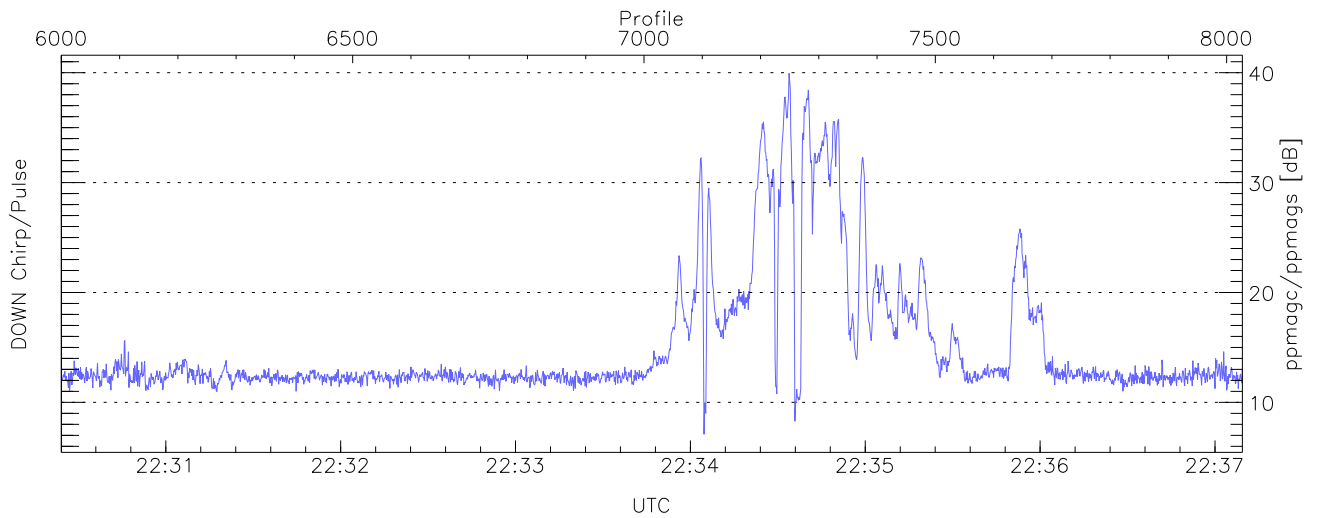
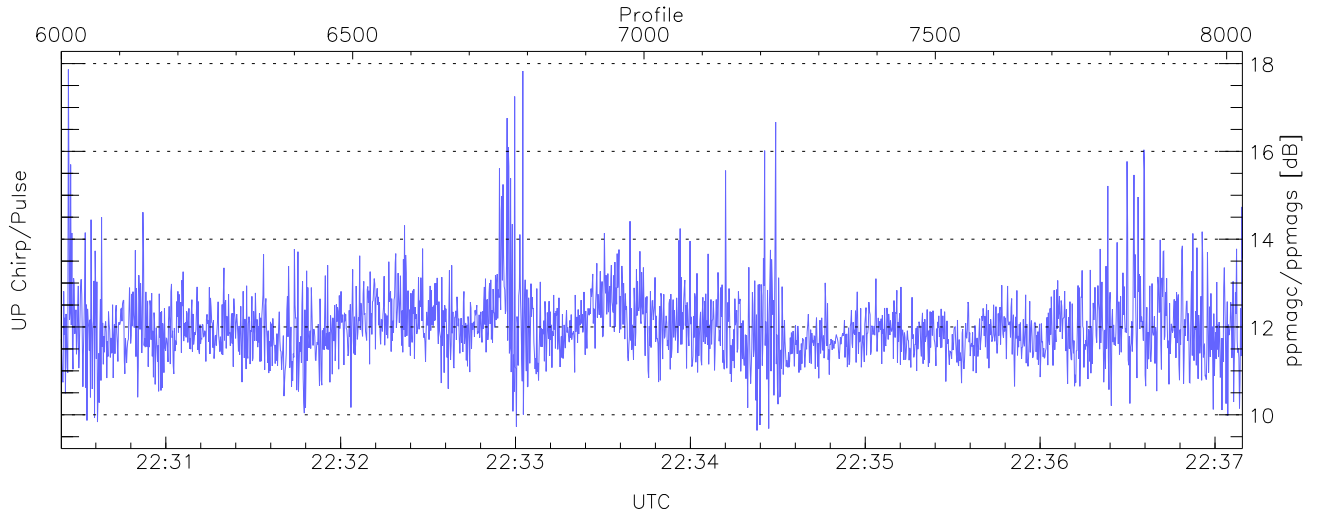
	Min	Max	Mean
UP Chirp(dBm)	-83.74	-51.51	-61.55
UP Pulse(dBm)	-75.95	-53.98	-63.06
DOWN Chirp(dBm)	-64.65	-8.09	-24.37
DOWN Pulse(dBm)	-71.56	-45.70	-53.24



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)	-6.37	16.34	4.19
UP Pulse(m/s)	0.42	9.03	4.49
DOWN Chirp(m/s)	-39.65	39.76	-4.98
DOWN Pulse(m/s)	-7.12	-1.19	-4.86



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	9.64	17.87	12.08
DOWN Chirp/Pulse(dBm)	7.09	39.95	22.95
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-17.56	2.46	-3.60