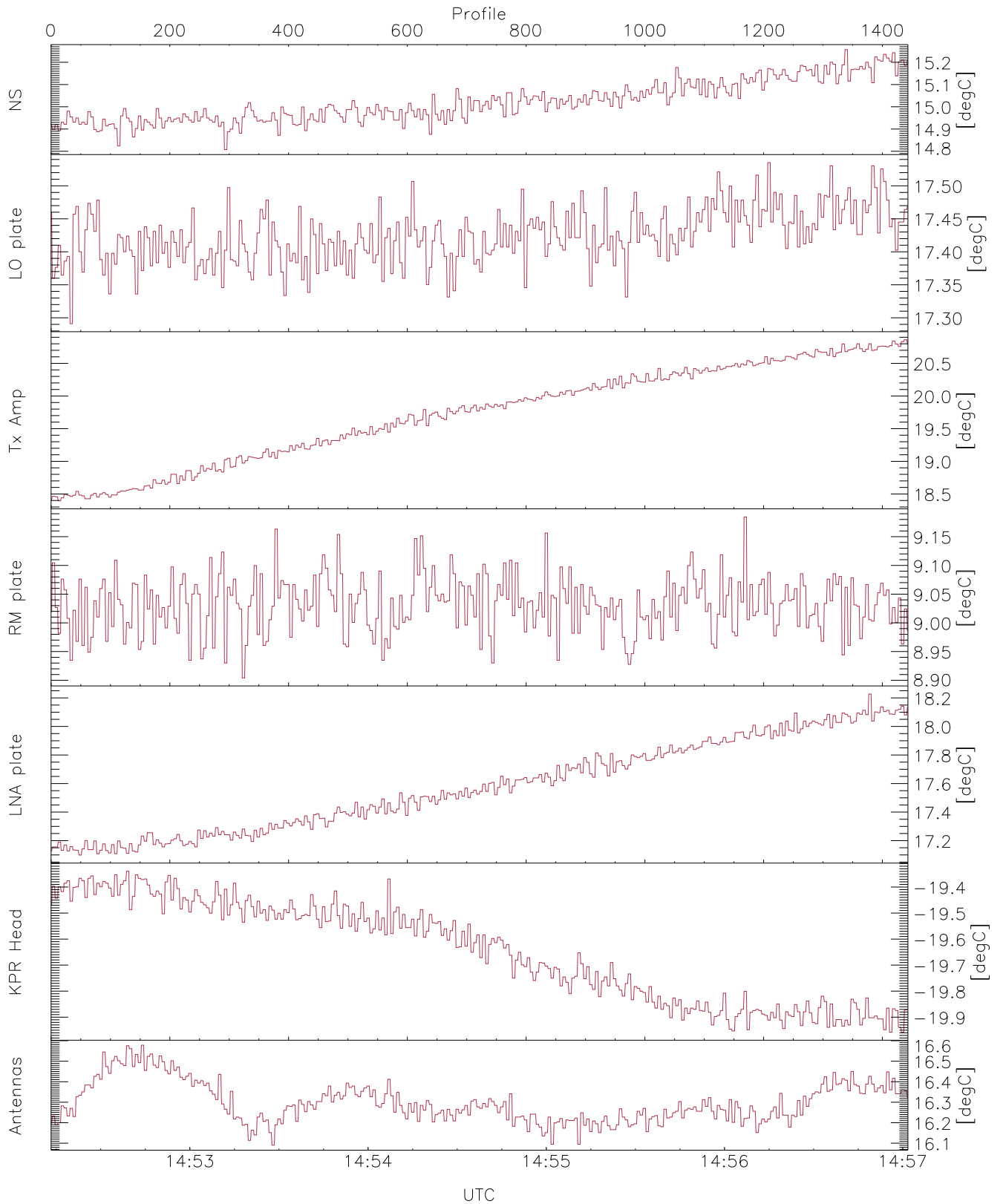


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 14:52:13-14:57:02, TimeCor: 0.00s, Dur: 288.48s
 TimeInt(min,max,mn,std): 199.8,200.0,199.9,0.0 ms; PPS: 5.0
 NumRec(r/t): 1444/1444, 0-1443/14:52:13-14:57:02
 AcqTime(req,actual): 199.9,200.0 ms, Data Rate: 97.4 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 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

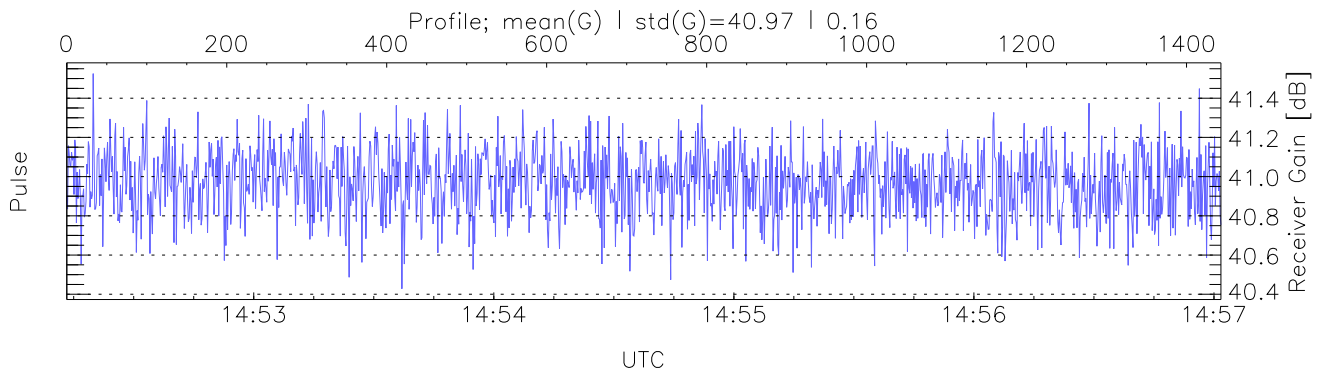
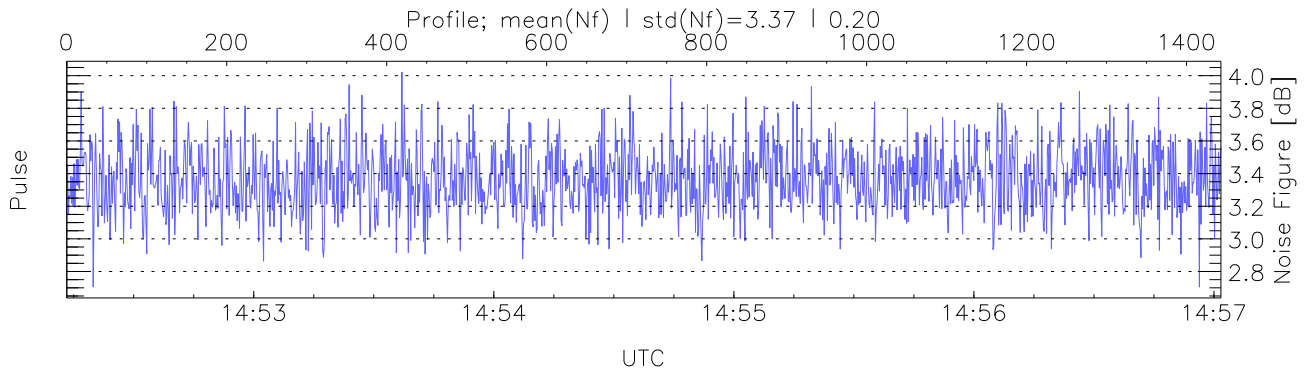
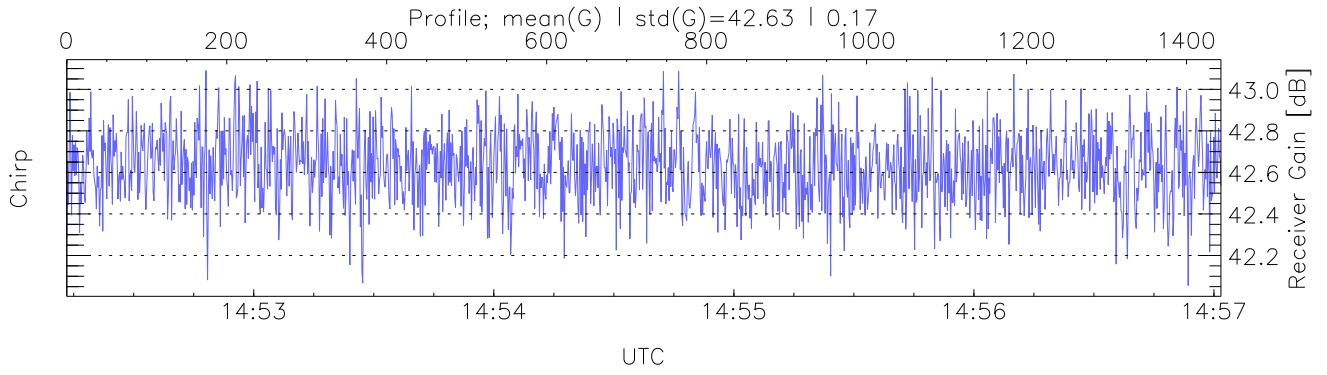
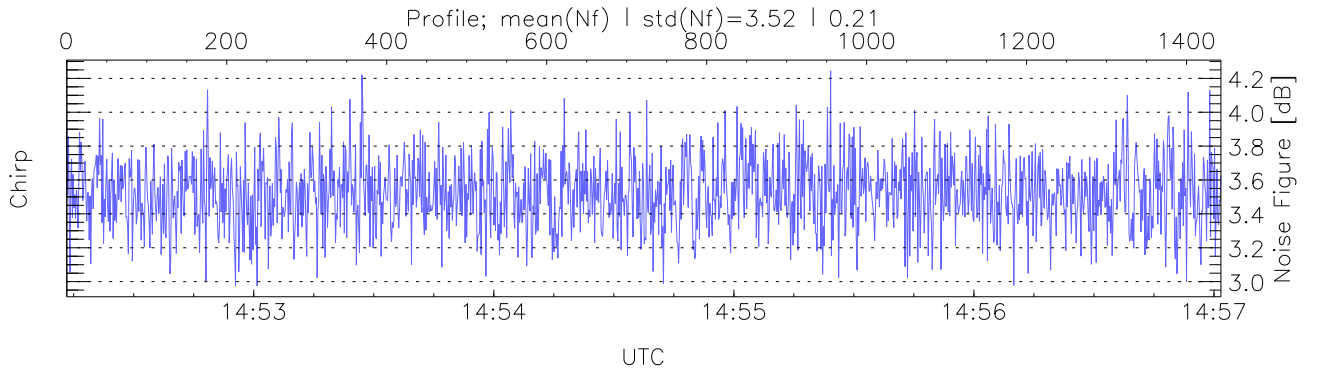


KPR SPP Temperatures, Power Supplies, PLO lock:

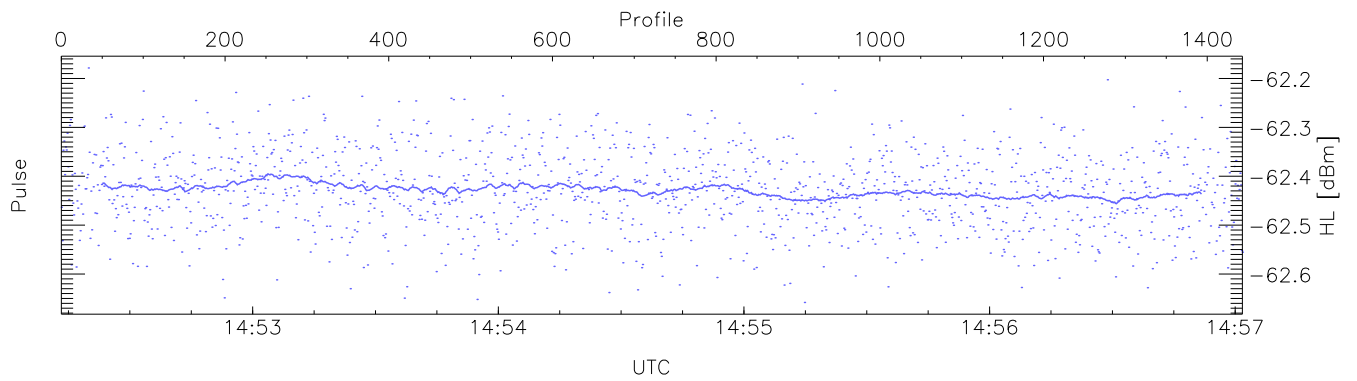
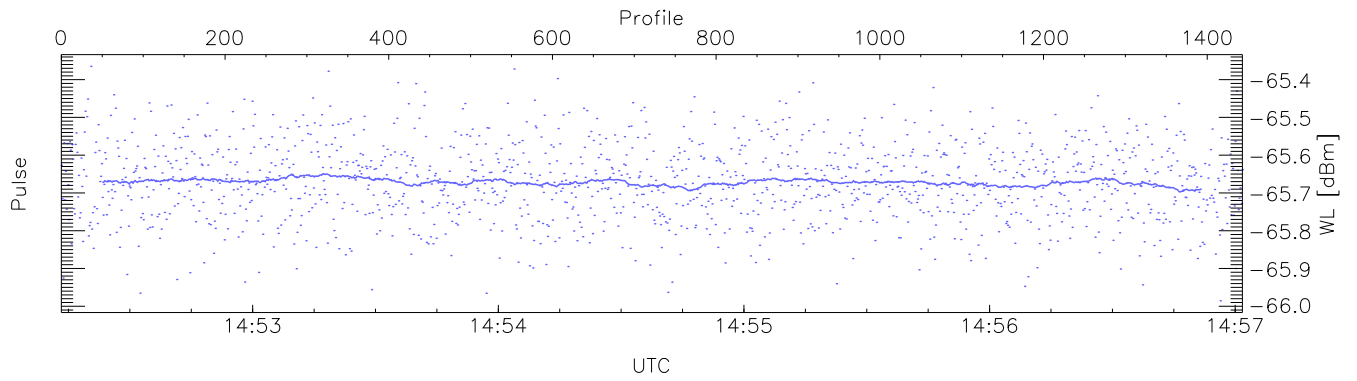
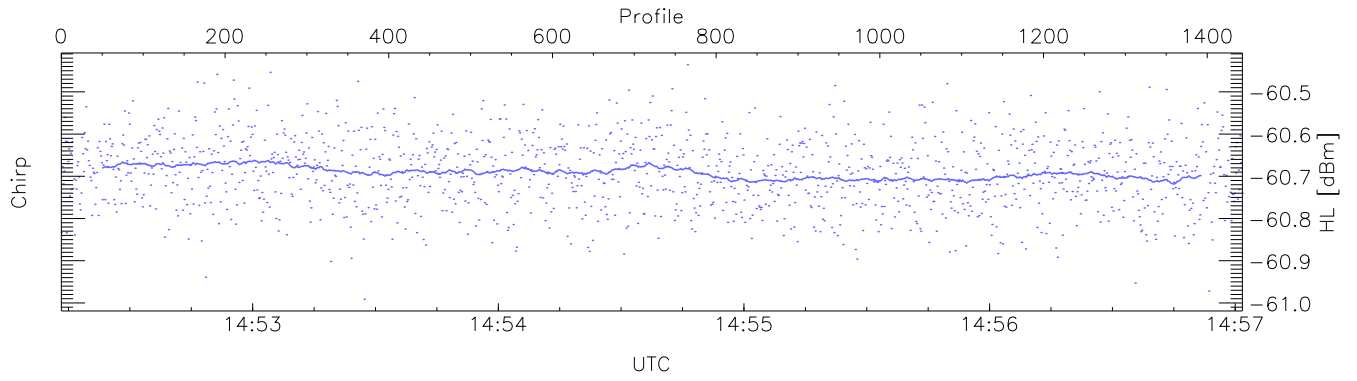
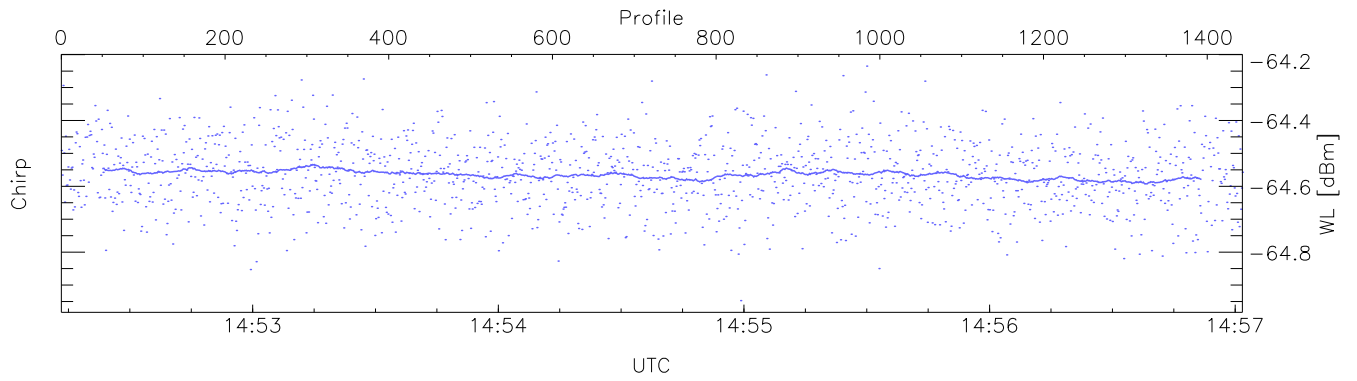
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	14.8,	17.3,	18.4,	8.9,	17.1,	-20.0,	16.1
maxtempC:	15.3,	17.5,	20.9,	9.2,	18.2,	-19.3,	16.6
meantempC:	15.0,	17.4,	19.7,	9.0,	17.6,	-19.6,	16.3

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.63,	11.67,	7.87,	5.21
maxVDC:	27.70,	11.74,	7.90,	5.23
meanVDC:	26.65,	11.70,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

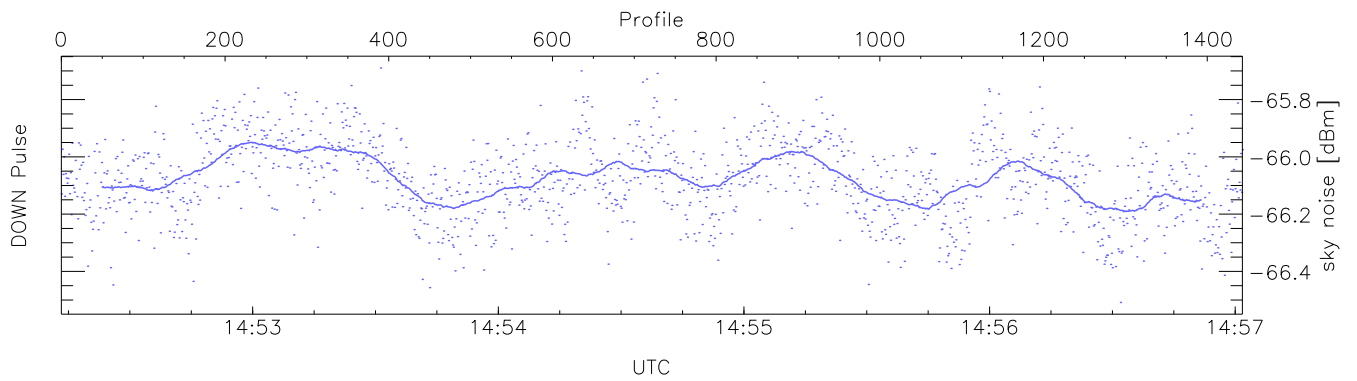
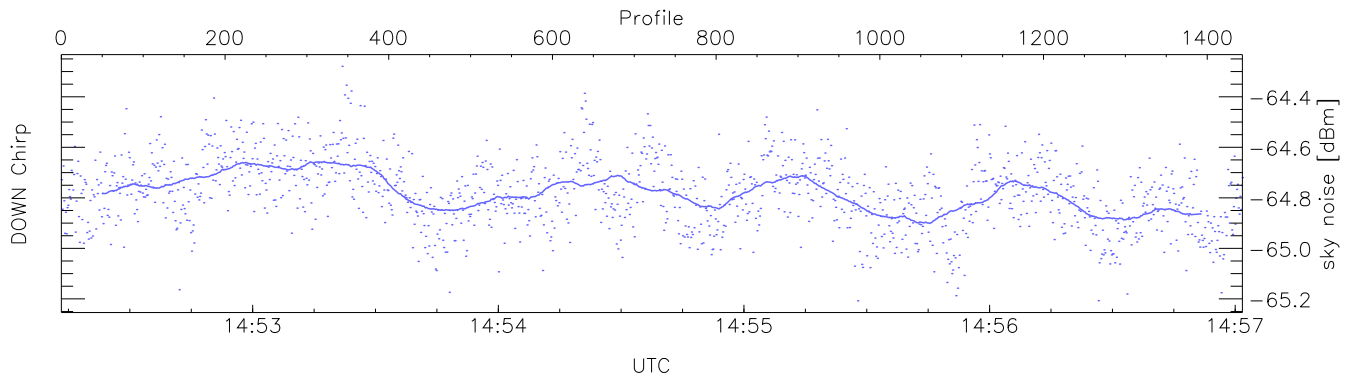
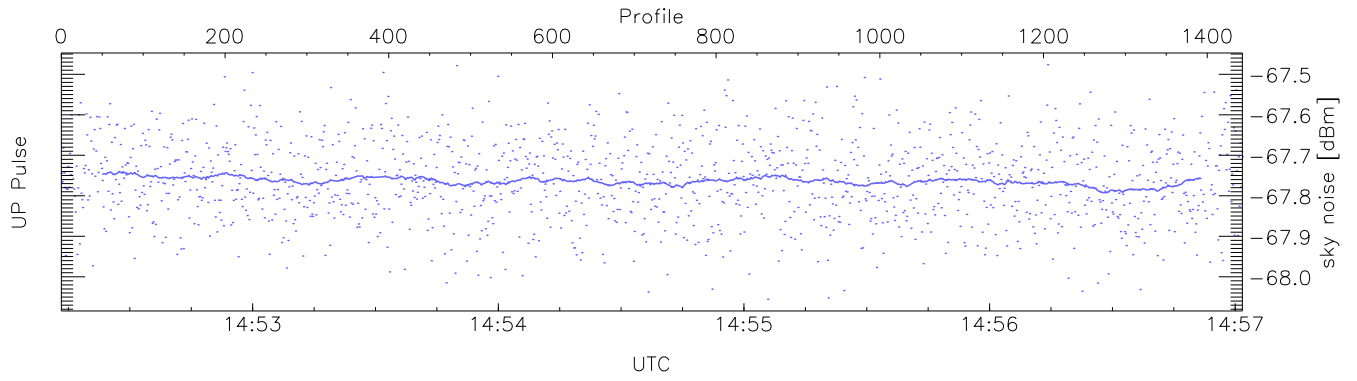
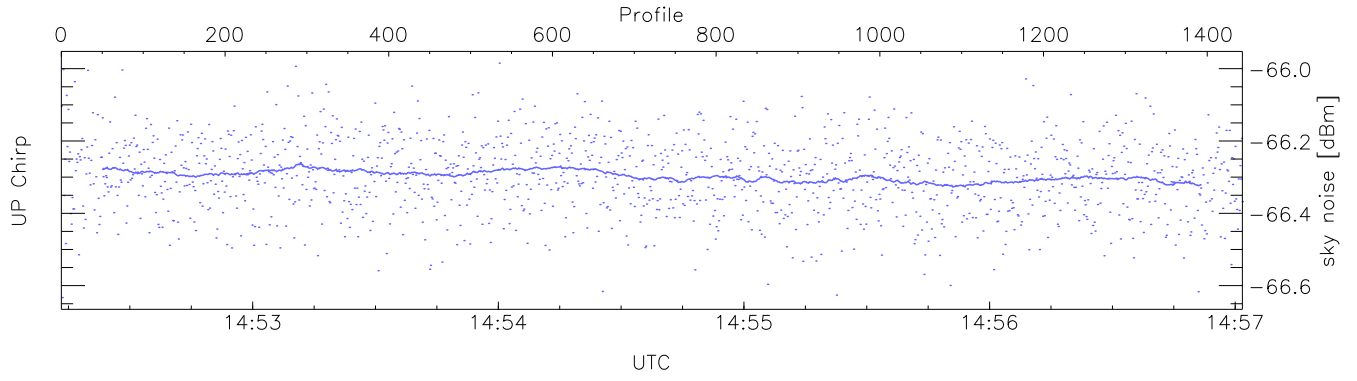


KPR SPP Receiver Gain and Noise Figure



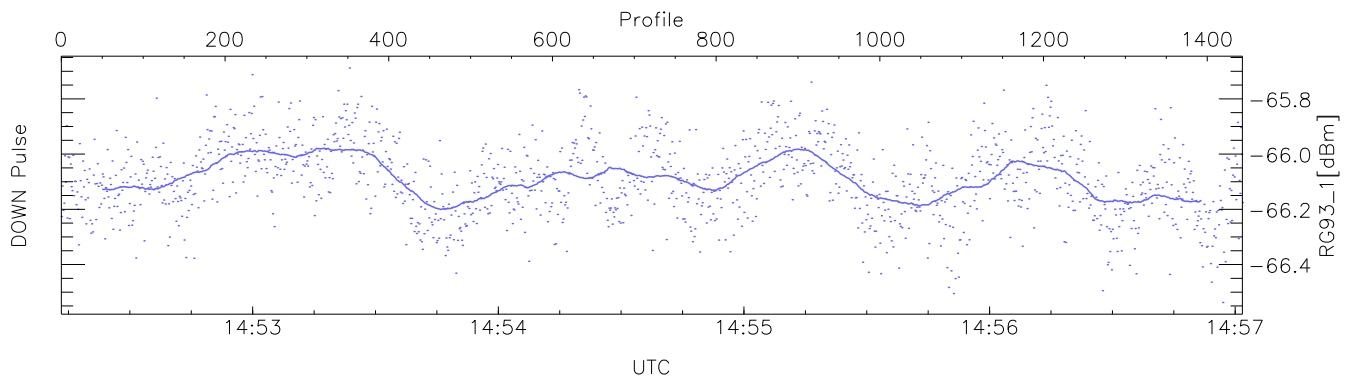
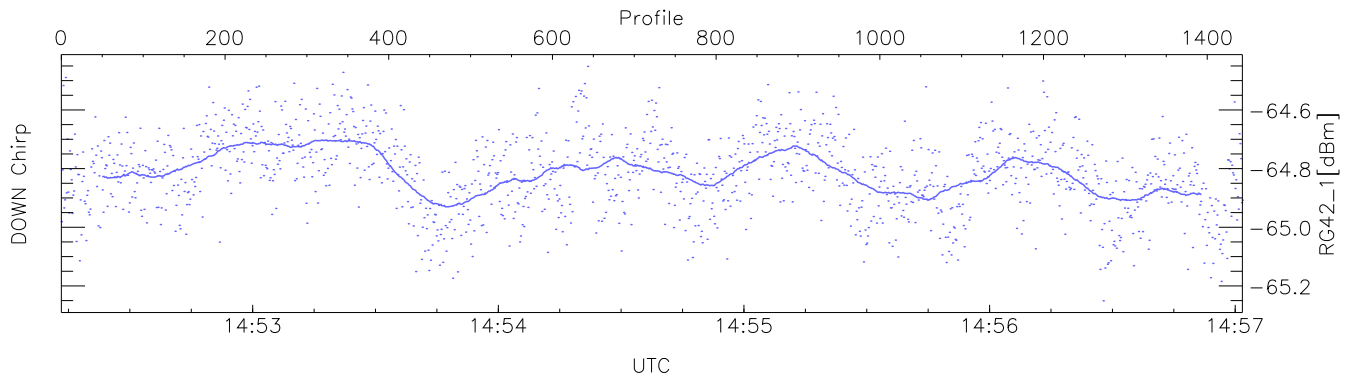
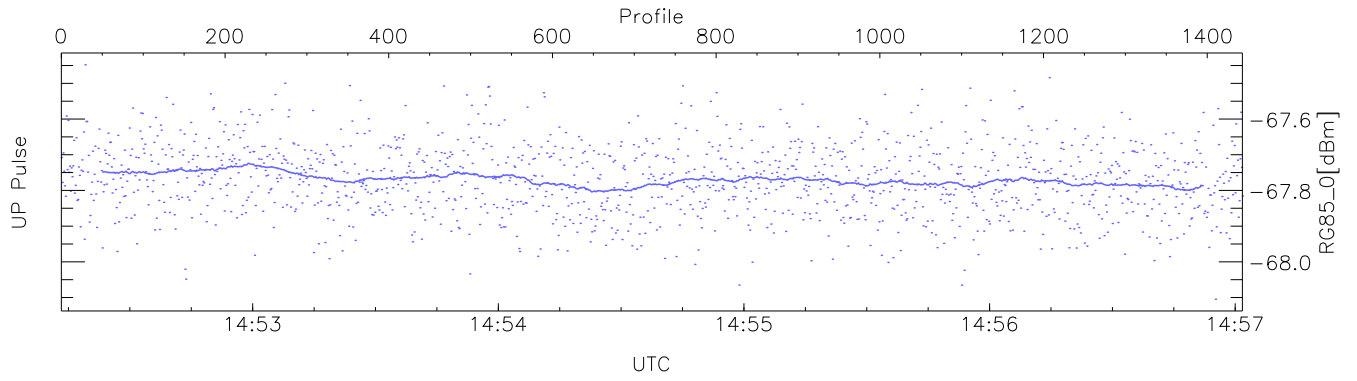
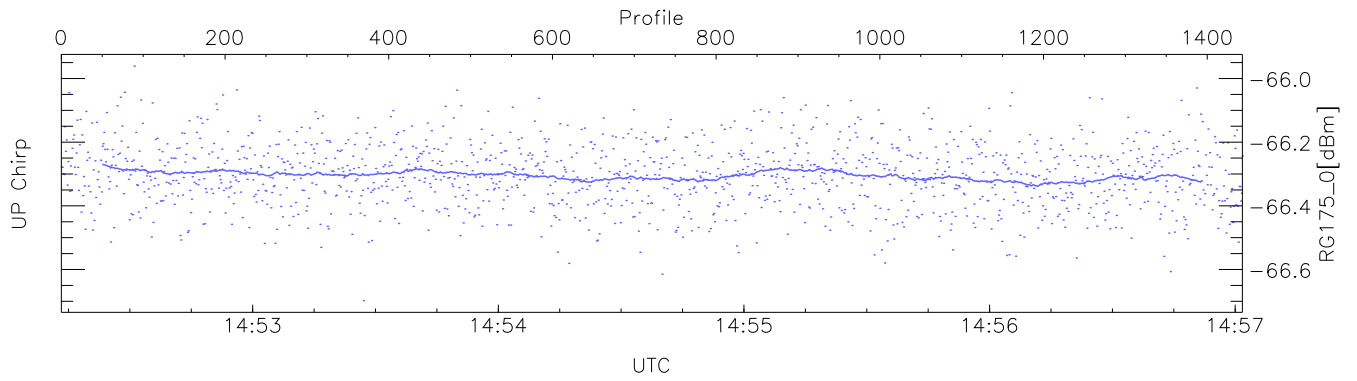
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-64.95	-64.23	-64.56	-64.56	-80.85
Chirp(HL [dBm])	-60.99	-60.44	-60.69	-60.69	-77.93
Pulse(WL [dBm])	-65.99	-65.36	-65.67	-65.67	-82.03
Pulse(HL [dBm])	-62.66	-62.18	-62.43	-62.43	-79.82



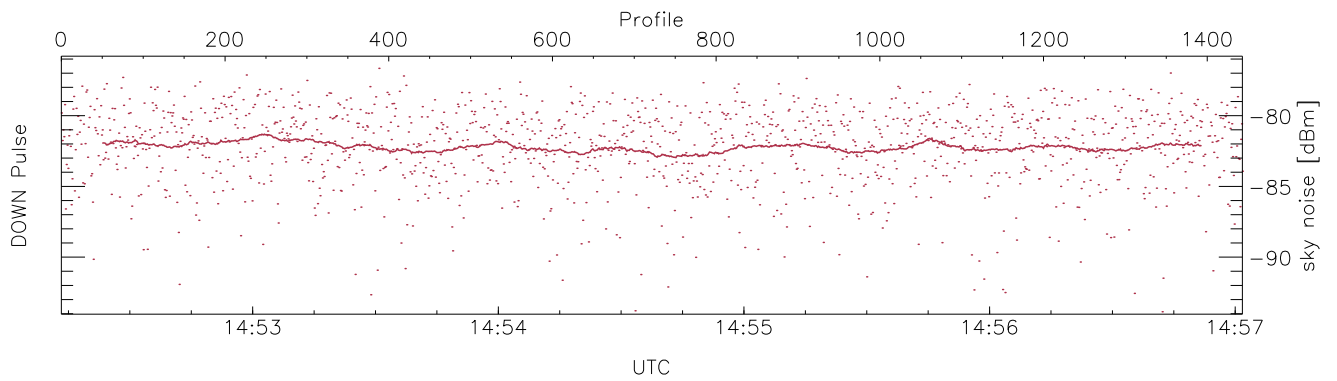
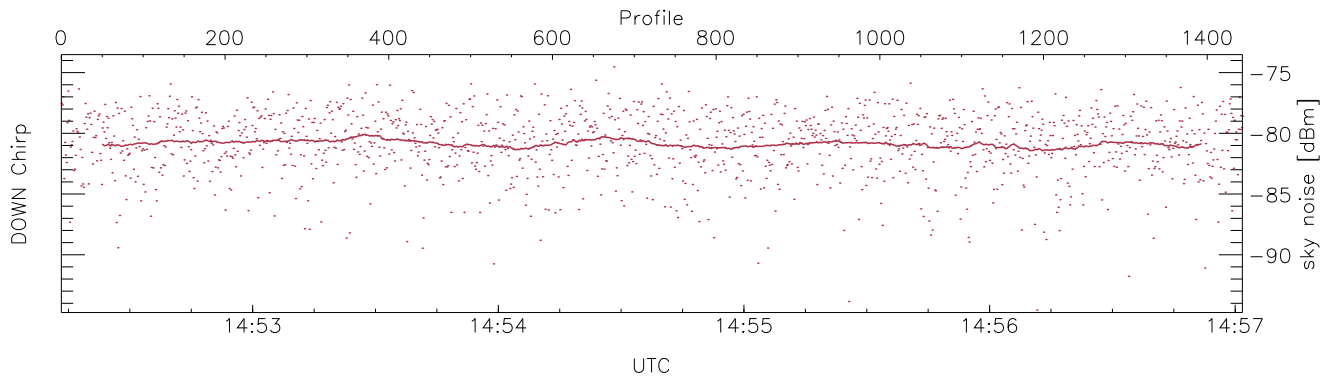
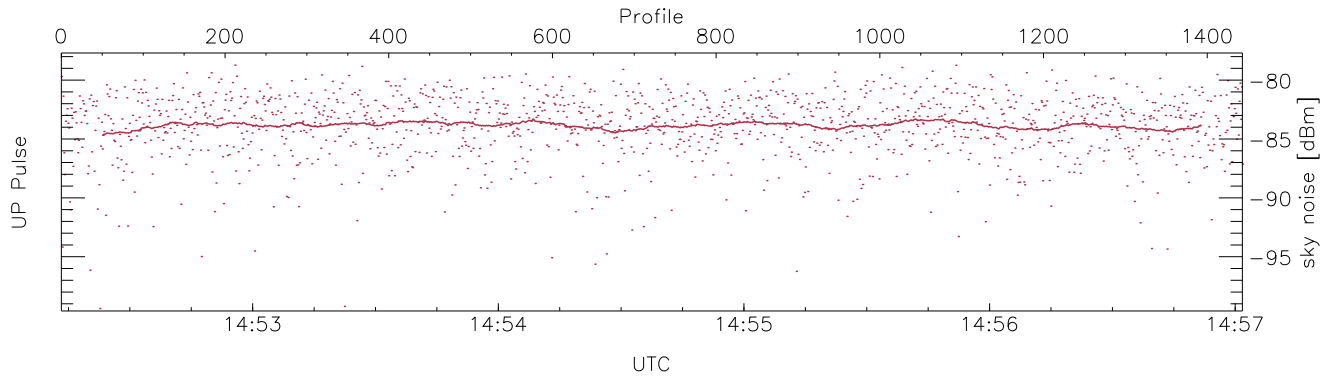
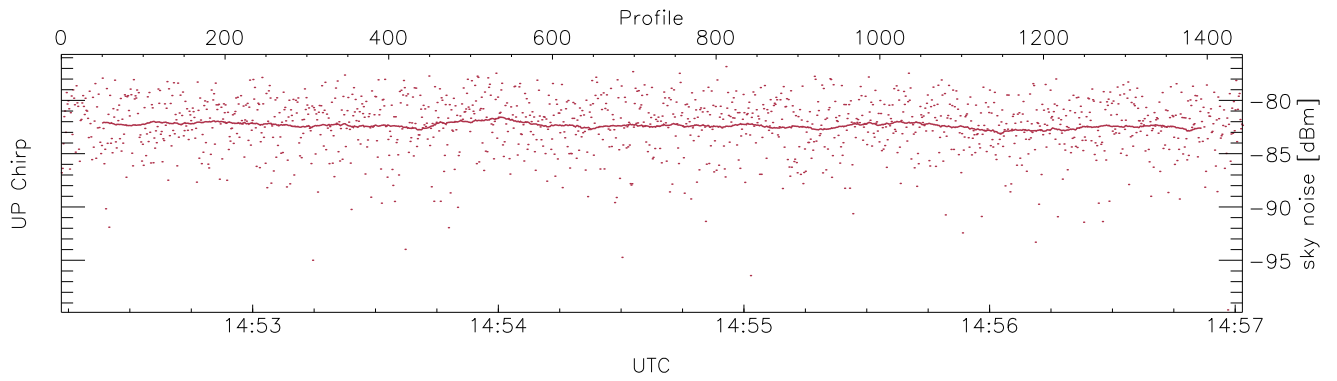
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.63	-65.98	-66.30	-66.29	-82.62
UP Pulse(dBm)	-68.06	-67.48	-67.76	-67.76	-84.17
DOWN Chirp(dBm)	-65.21	-64.28	-64.78	-64.78	-79.84
DOWN Pulse(dBm)	-66.51	-65.69	-66.08	-66.08	-81.18



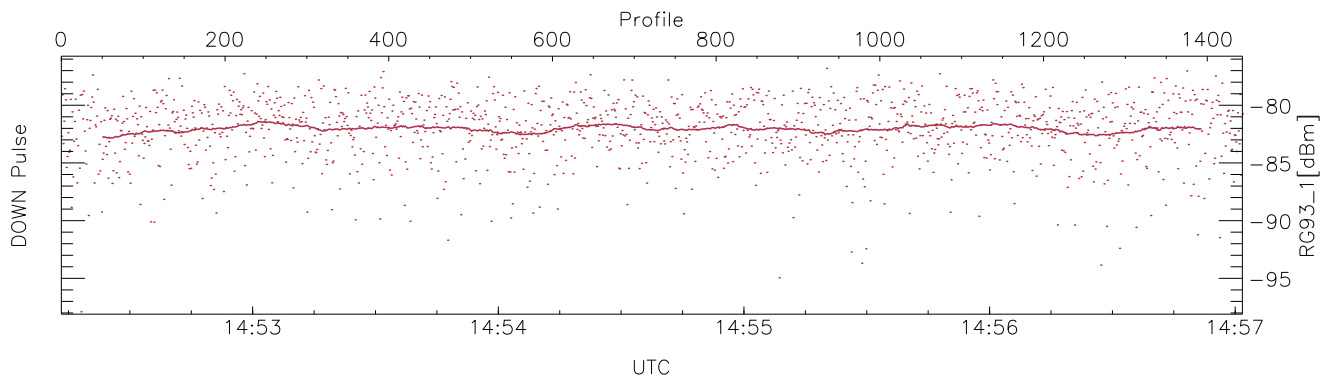
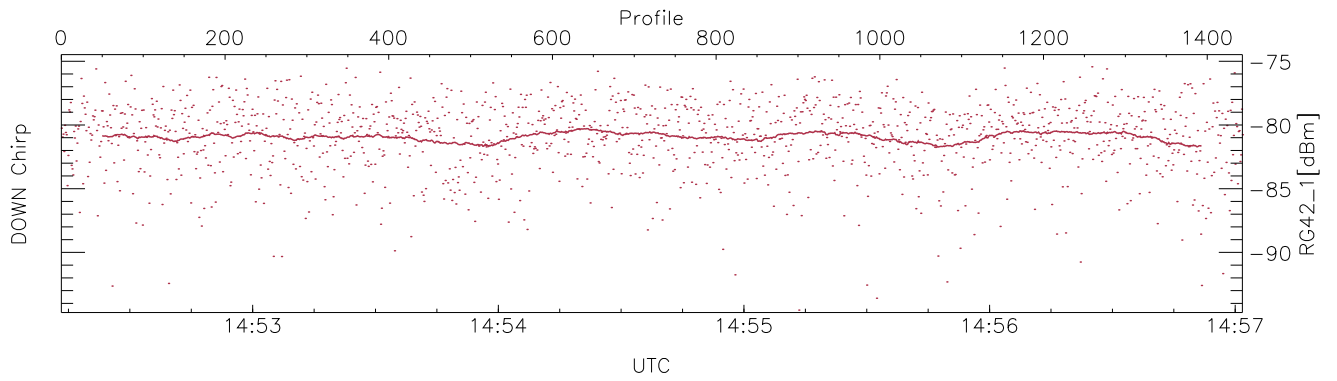
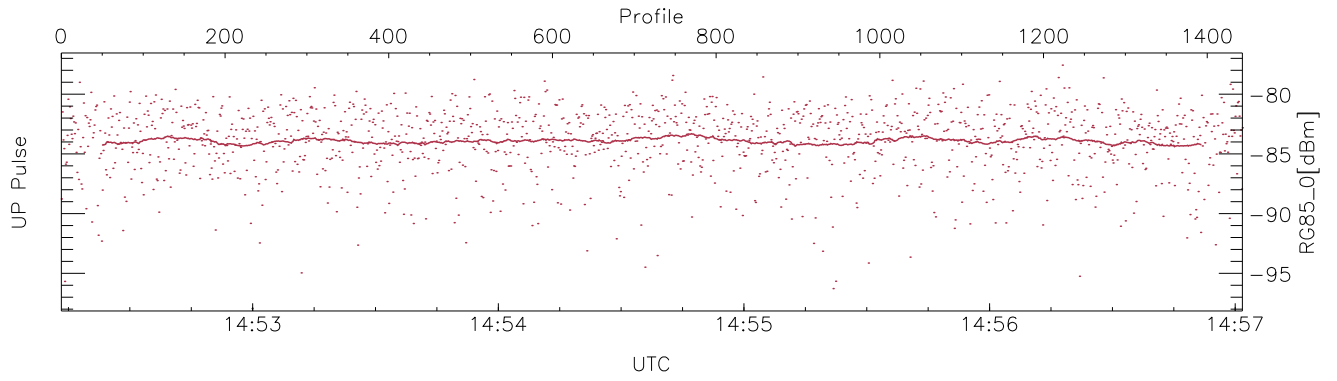
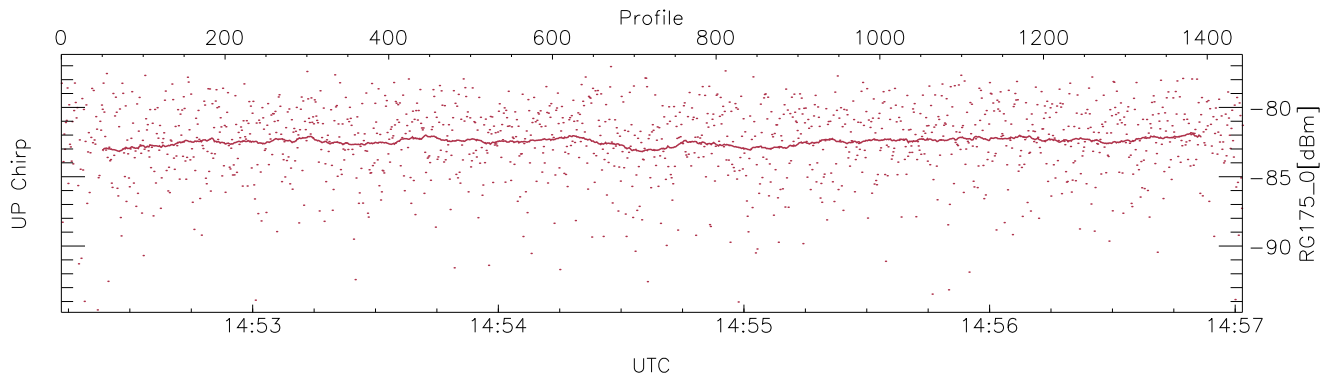
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG175_0	-66.70	-65.96	-66.30	-66.31	-82.70
UP_P_RG85_0	-68.10	-67.45	-67.77	-67.77	-84.25
DOWN_C_RG42_1	-65.25	-64.45	-64.82	-64.81	-80.04
DOWN_P_RG93_1	-66.54	-65.69	-66.09	-66.10	-81.22



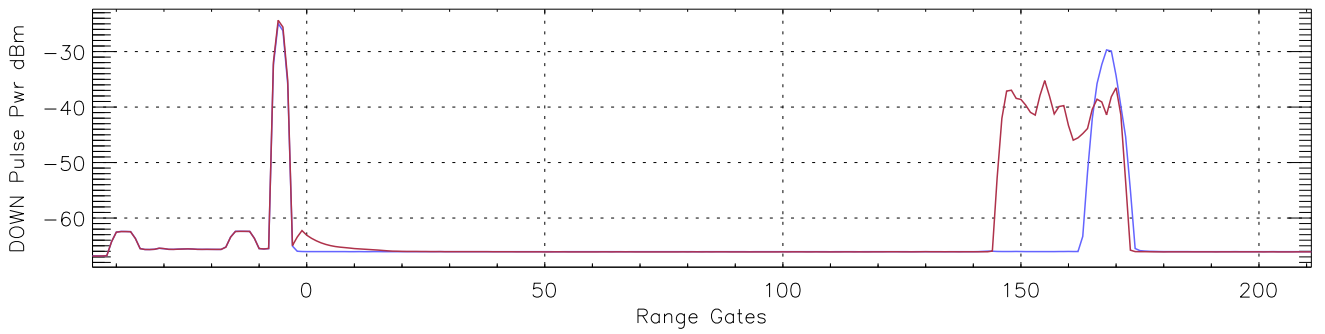
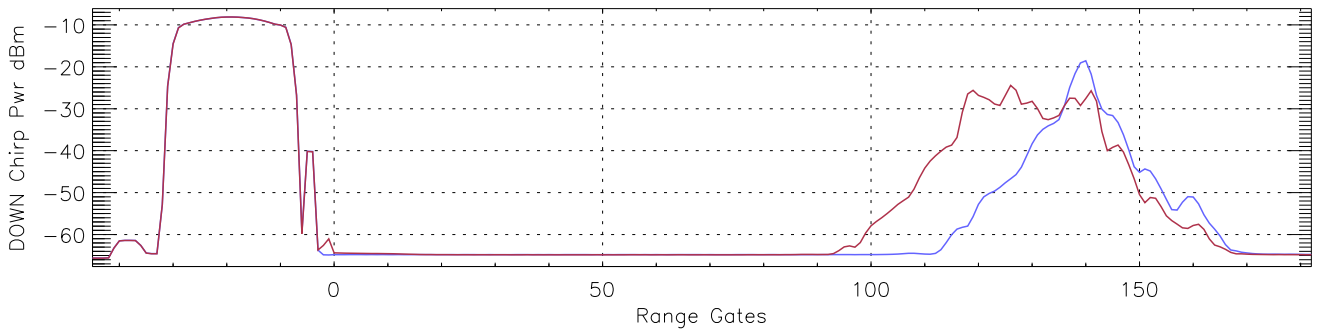
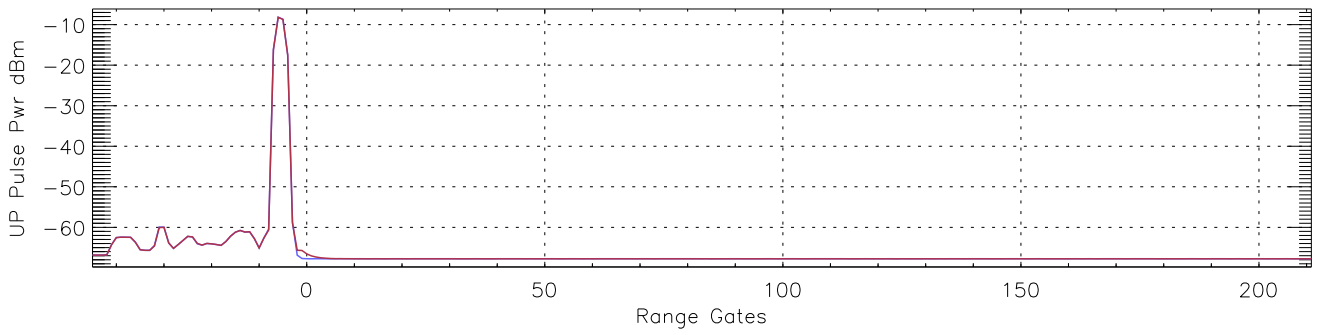
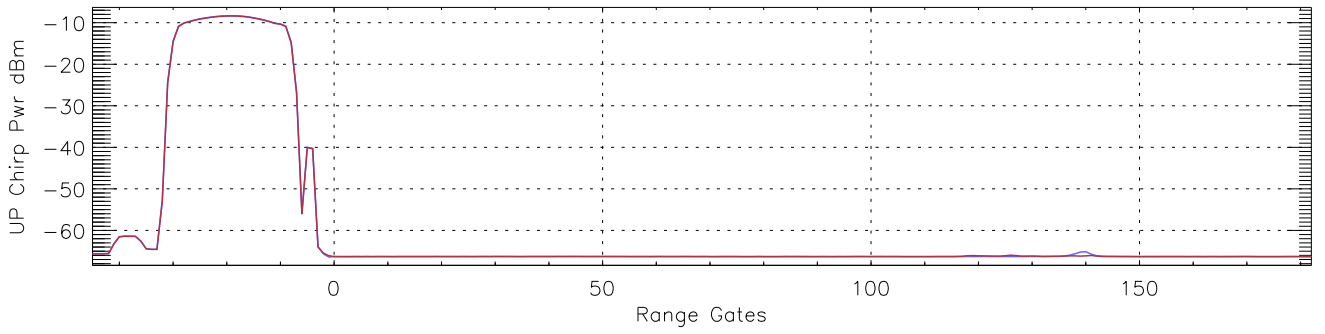
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-99.66	-76.83	-81.66	-81.92	-84.51
UP Pulse(dBm)	-99.40	-78.73	-83.21	-83.47	-86.22
DOWN Chirp(dBm)	-94.56	-74.52	-80.19	-80.50	-83.10
DOWN Pulse(dBm)	-93.86	-76.66	-81.49	-81.76	-84.35

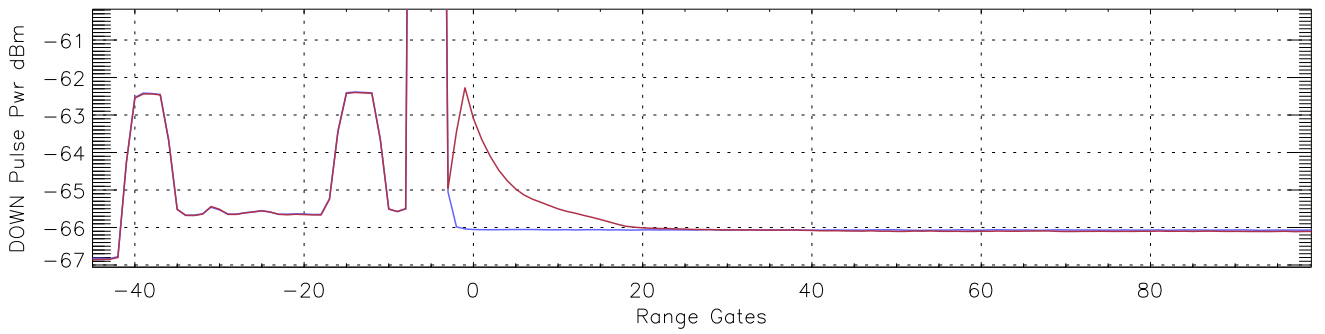
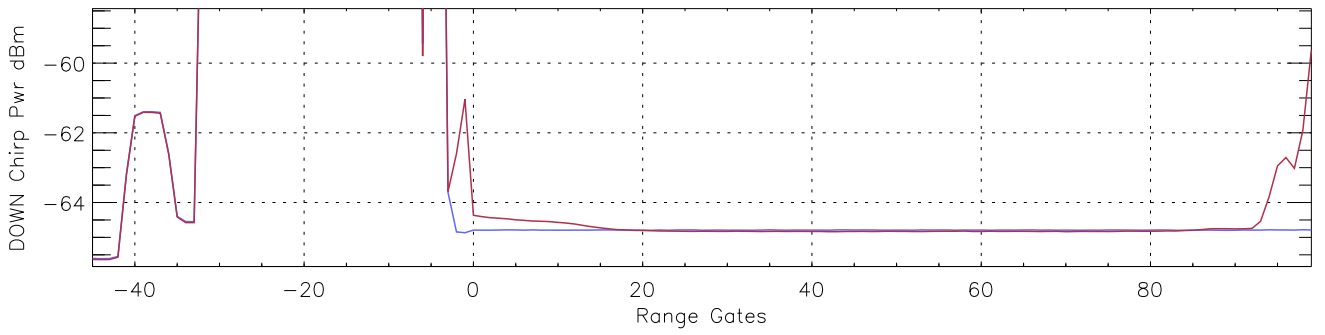
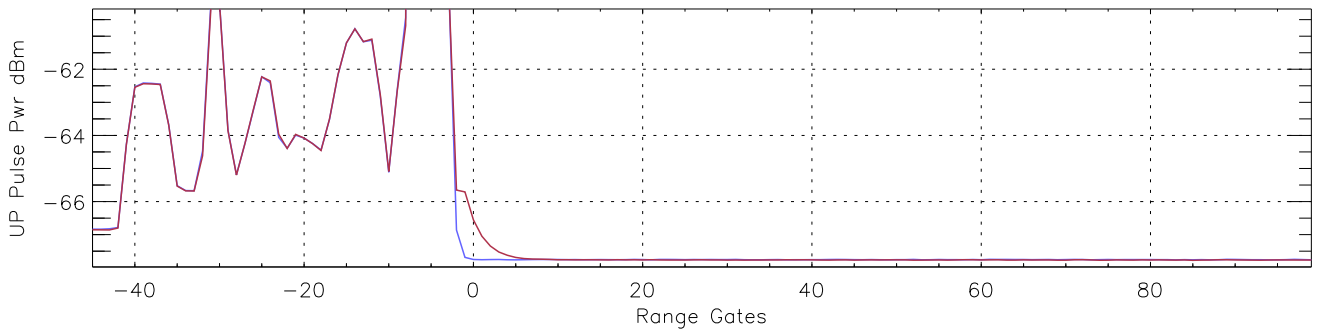
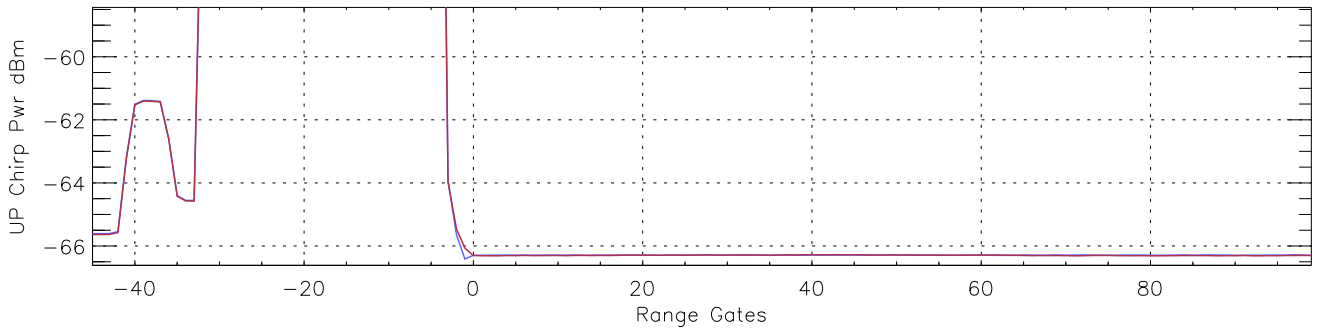


KPR SPP "Best" PPMAG noise (dBm):

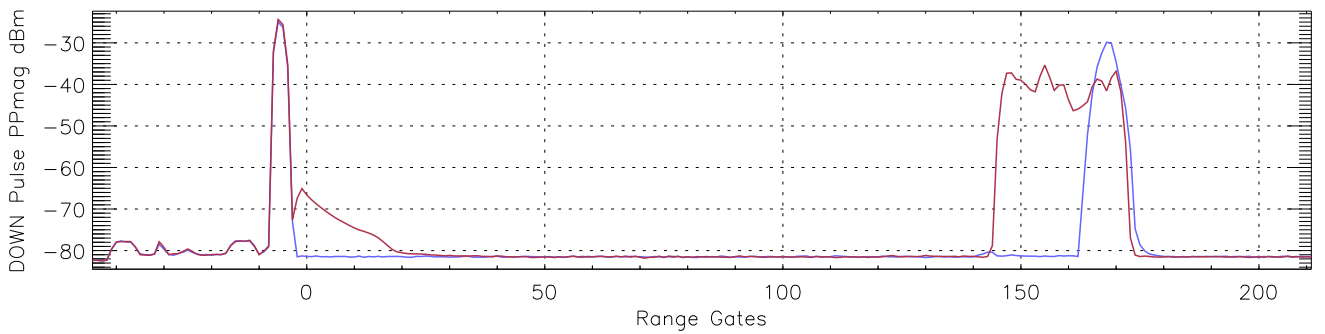
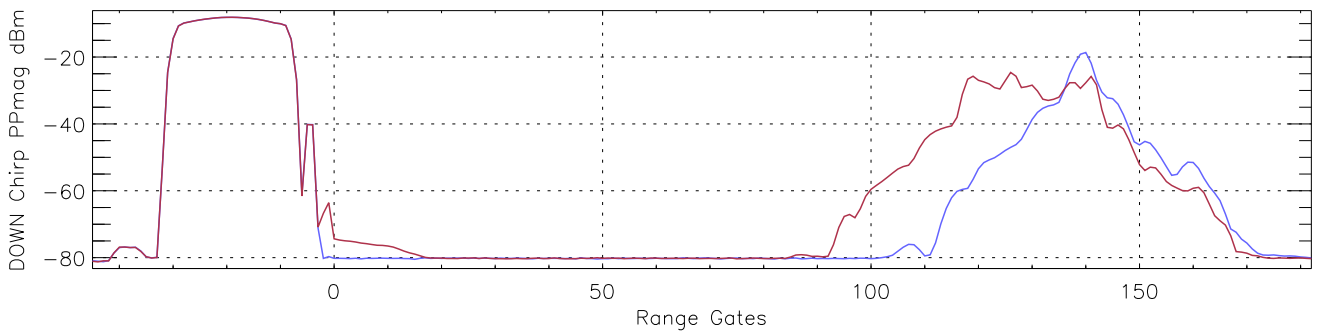
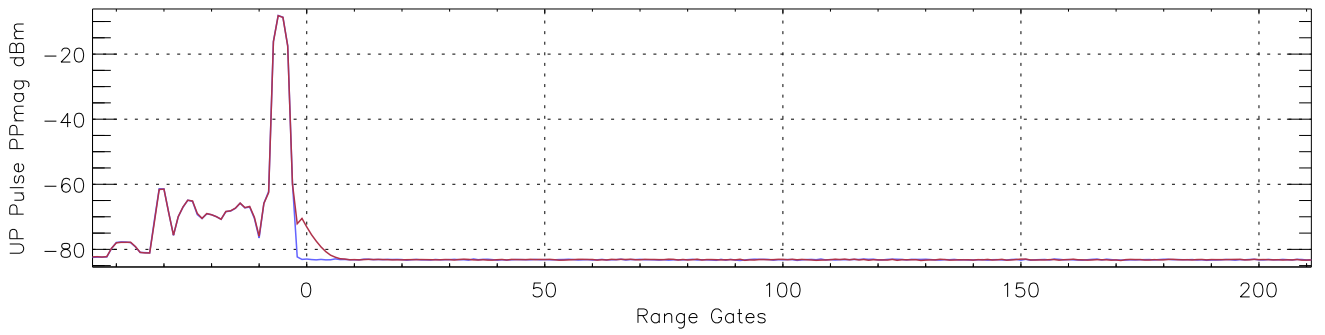
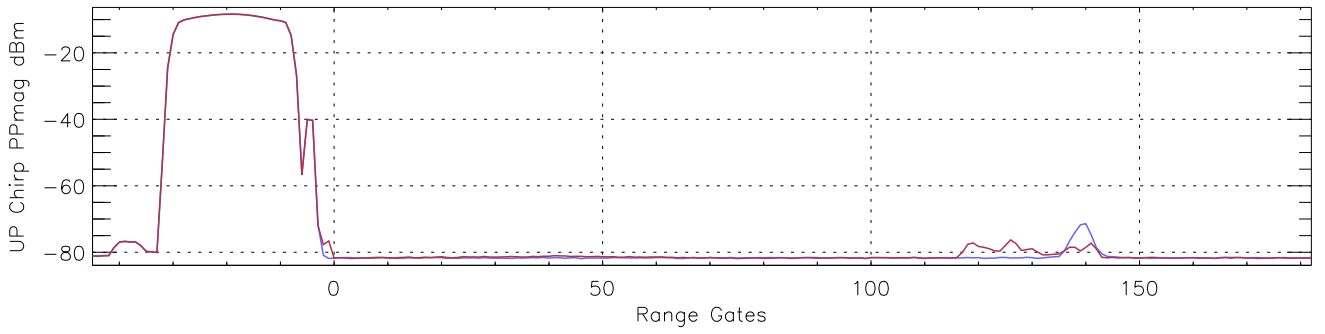
	Min	Max	Mean	Median	StDev
UP_C_RG175_0	-94.61	-77.06	-81.75	-82.09	-84.50
UP_P_RG85_0	-97.95	-77.57	-83.21	-83.49	-86.03
DOWN_C_RG42_1	-94.53	-75.43	-80.23	-80.49	-82.98
DOWN_P_RG93_1	-97.89	-76.80	-81.41	-81.69	-84.43



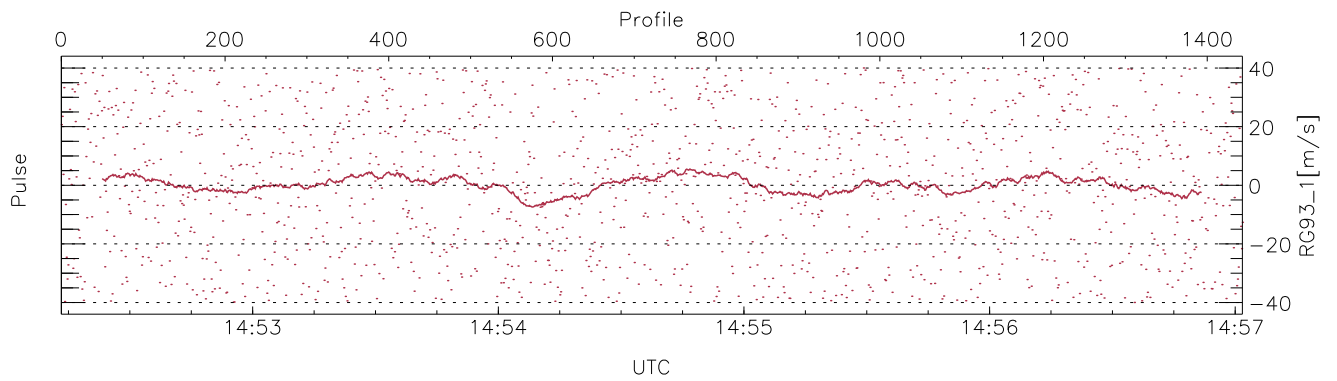
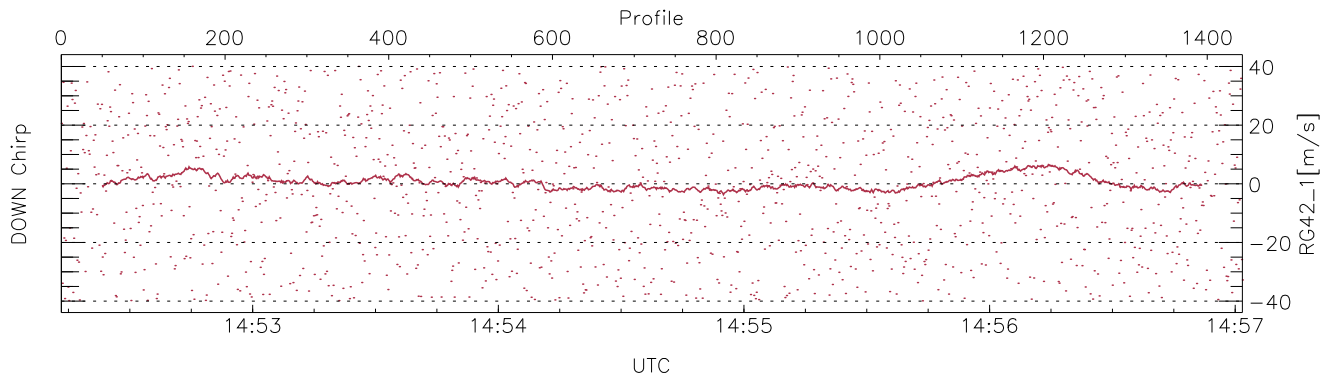
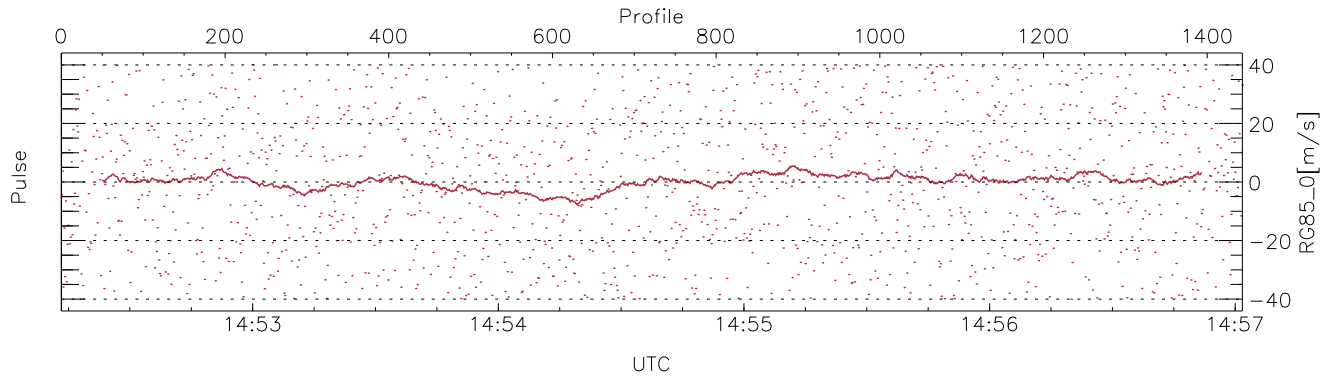
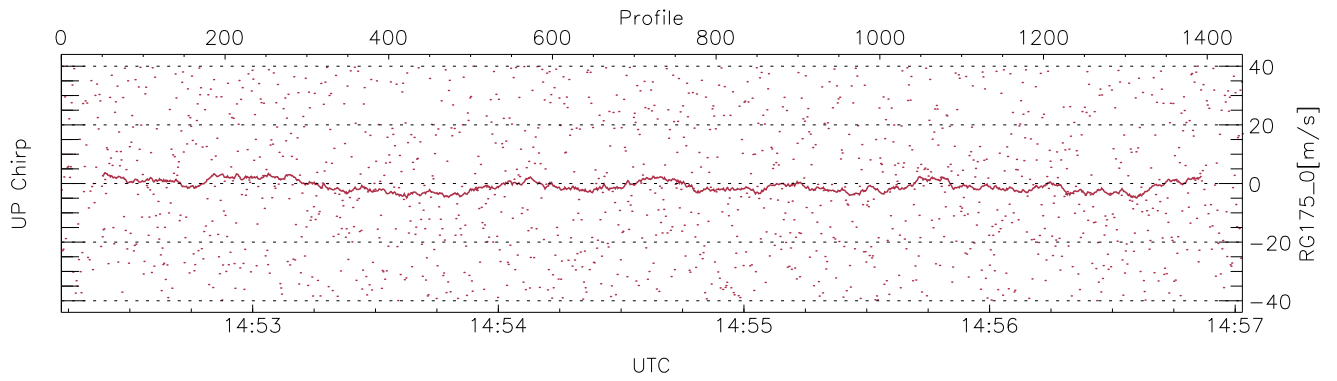
KPR SPP Averaged Received power for all recorded gates
blue: 145213-145437, 723 profiles averaged
red: 145437-145702, 722 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 145213-145437, 723 profiles averaged
red: 145437-145702, 722 profiles averaged

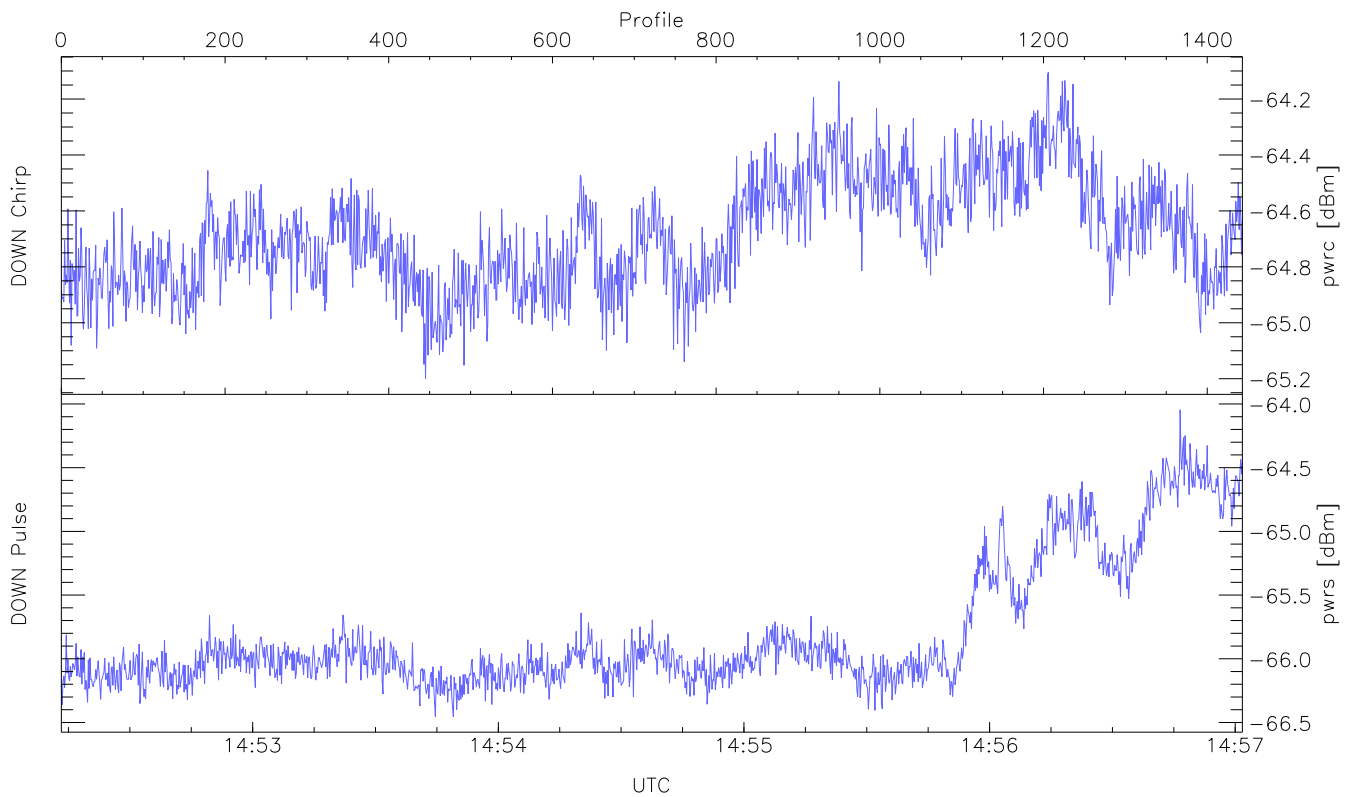
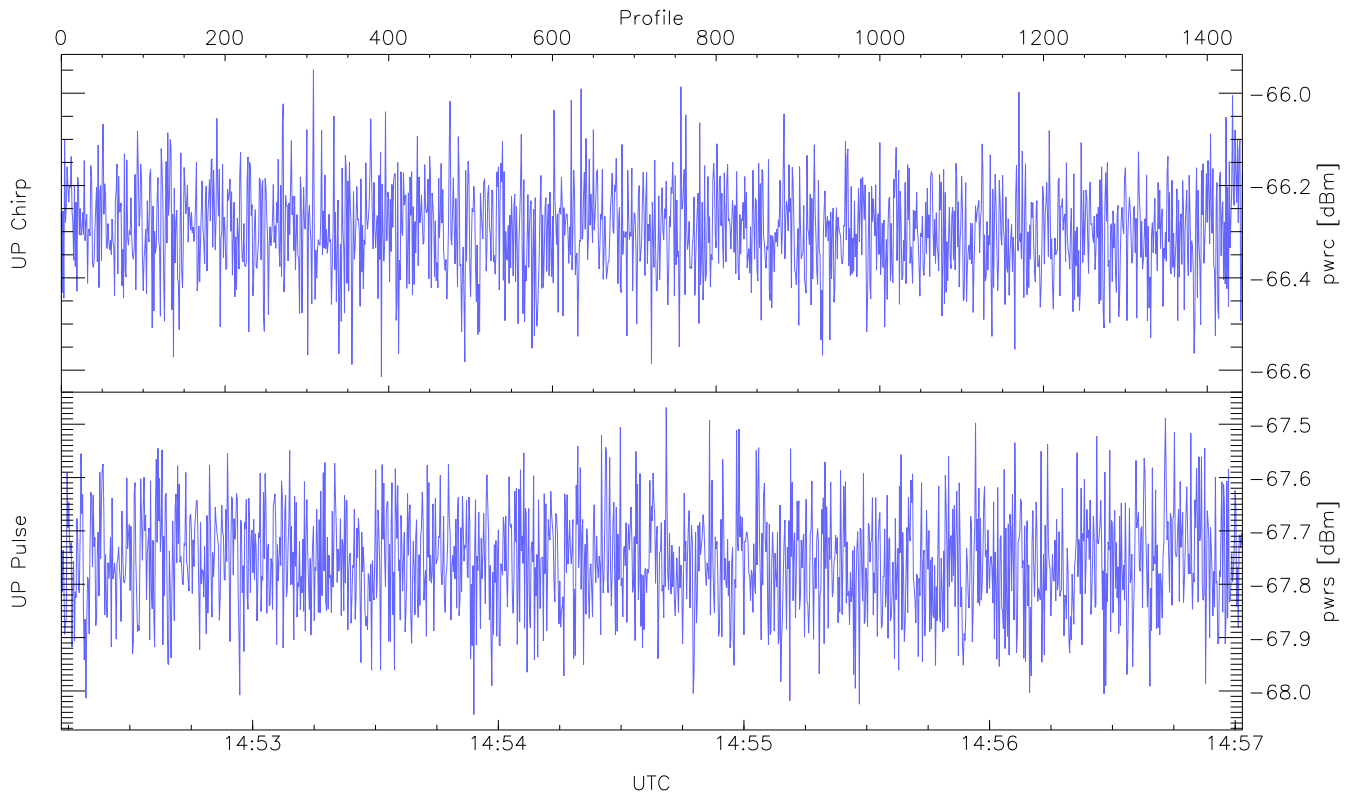


KPR SPP Averaged PP magnitude for all recorded gates
blue: 145213-145437, 723 profiles averaged
red: 145437-145702, 722 profiles averaged



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

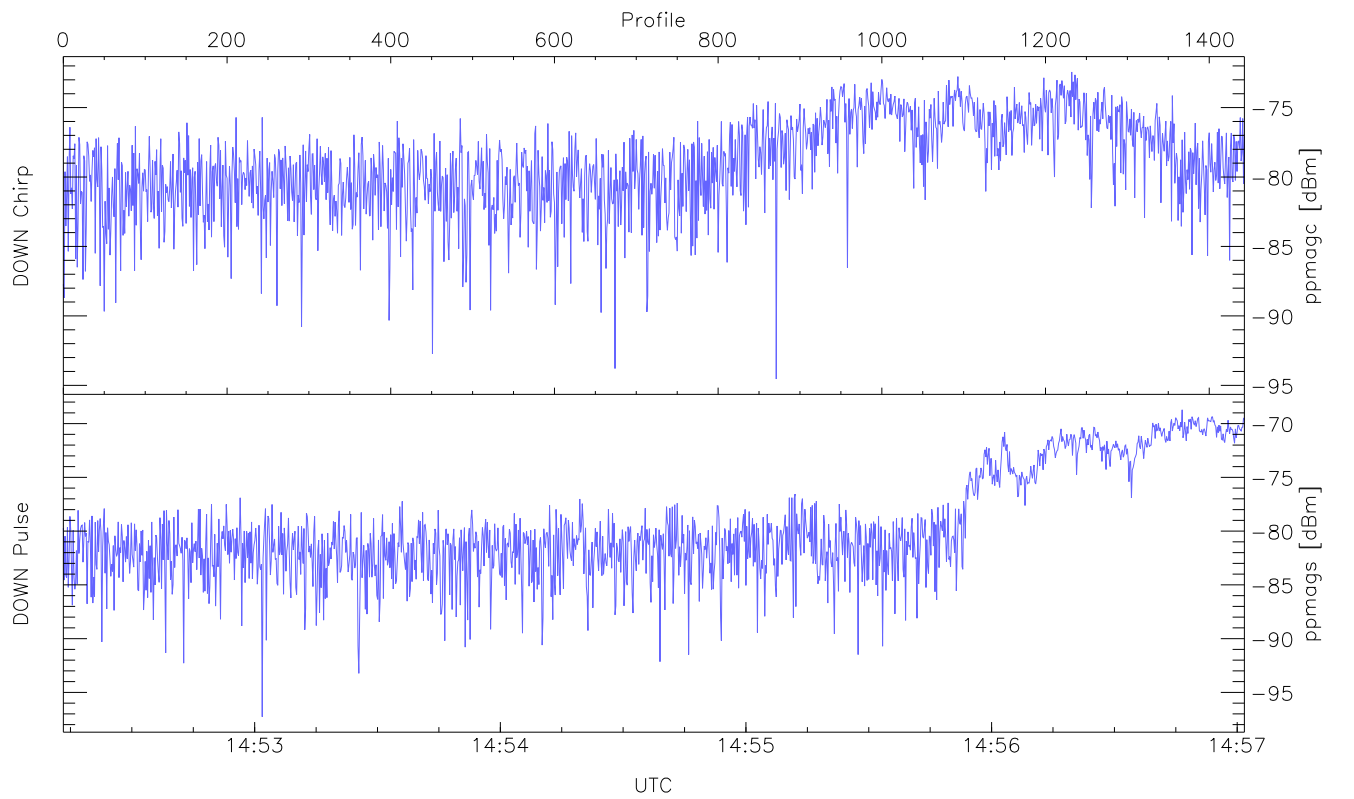
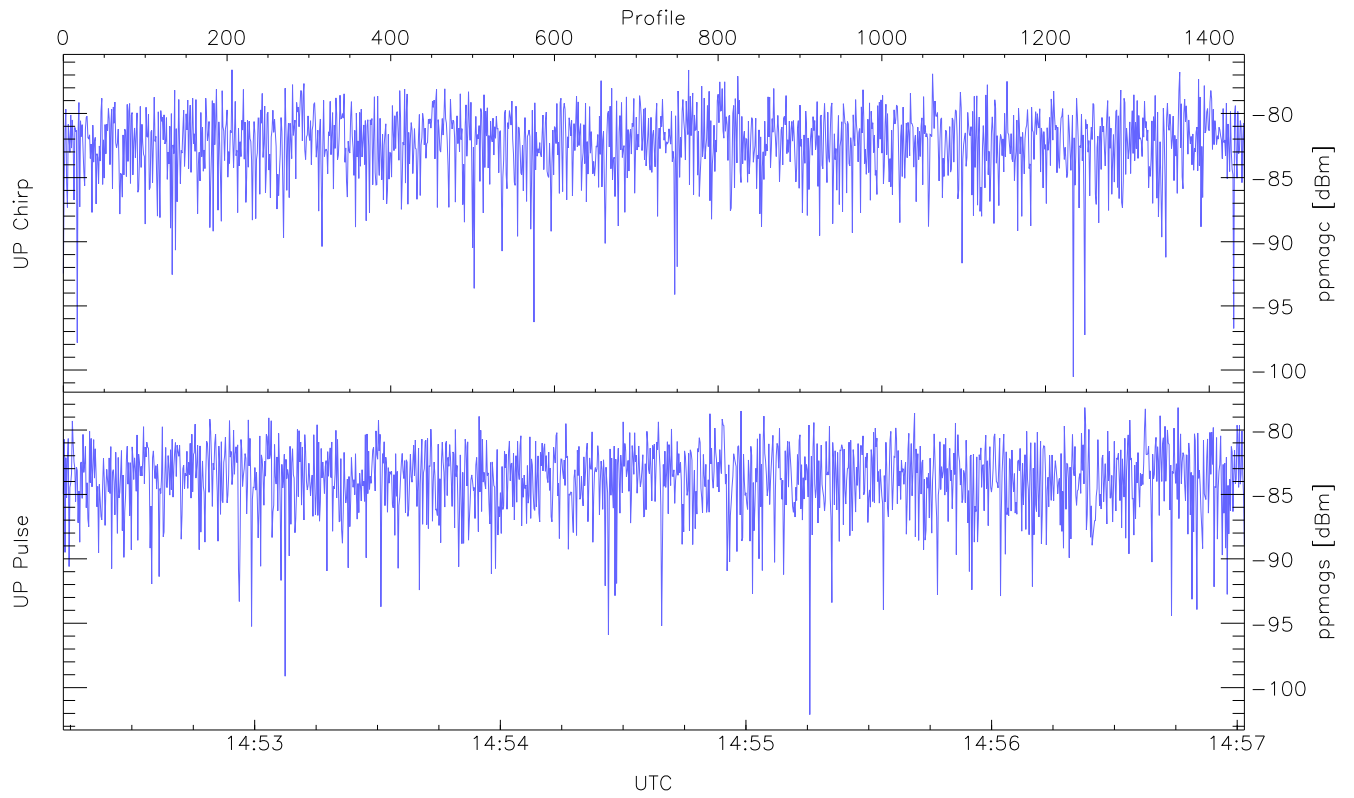
	Min	Max	Mean	Median	StDev
UP_C_RG175_0	-39.95	40.02	-0.67	-1.62	23.05
UP_P_RG85_0	-40.05	40.06	0.08	0.44	22.08
DOWN_C_RG42_1	-39.90	40.04	0.39	0.79	22.76
DOWN_P_RG93_1	-39.98	40.03	0.11	1.02	23.08



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

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

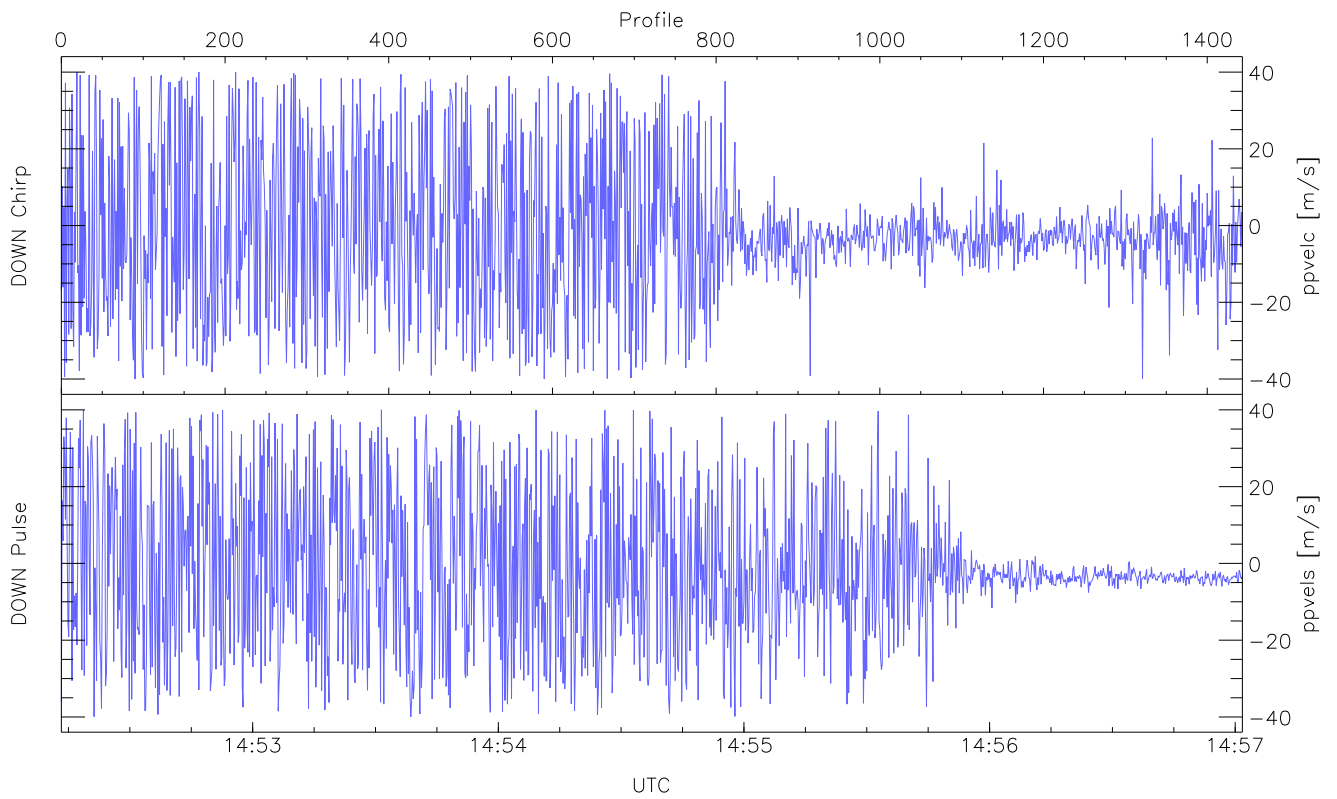
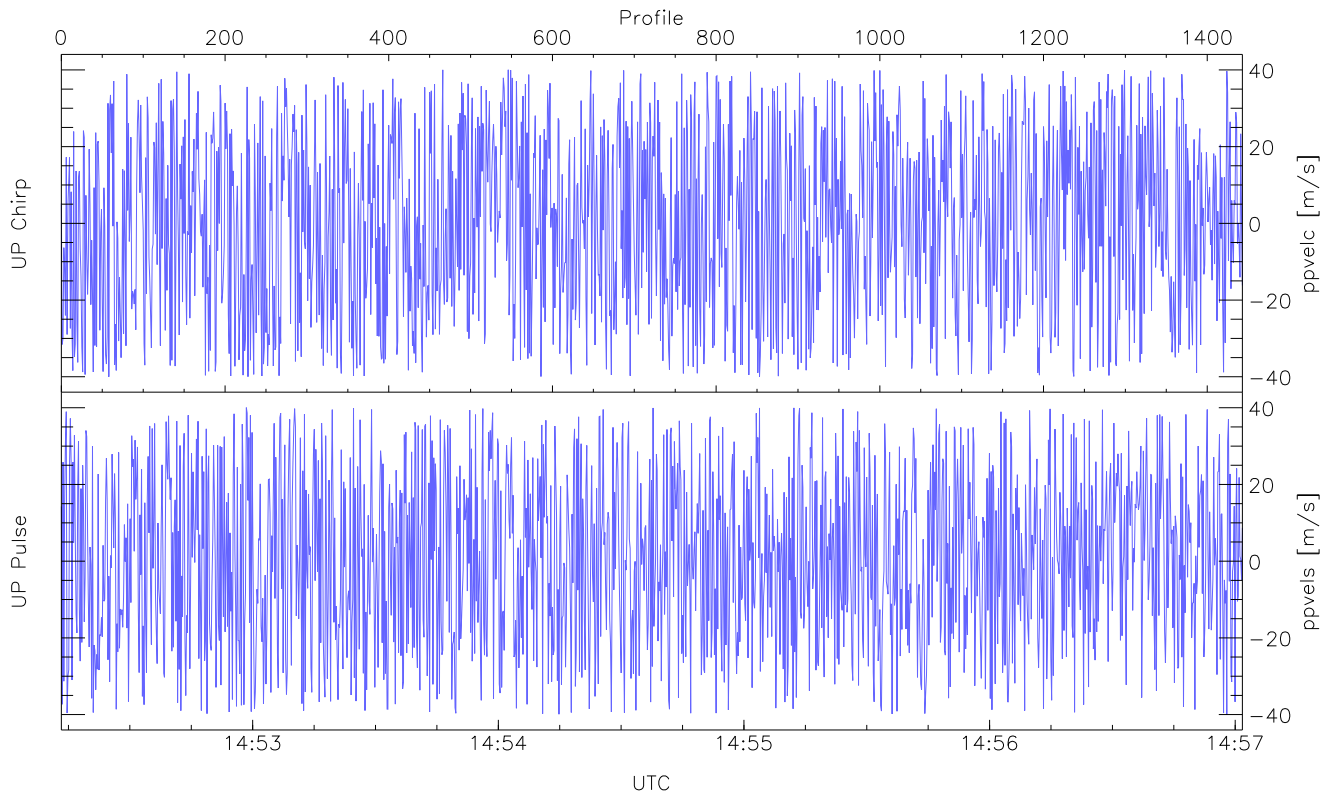
	Min	Max	Mean
UP Chirp(dBm)	-66.61	-65.95	-66.30
UP Pulse(dBm)	-68.04	-67.47	-67.76
DOWN Chirp(dBm)	-65.20	-64.10	-64.68
DOWN Pulse(dBm)	-66.46	-64.05	-65.77



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

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

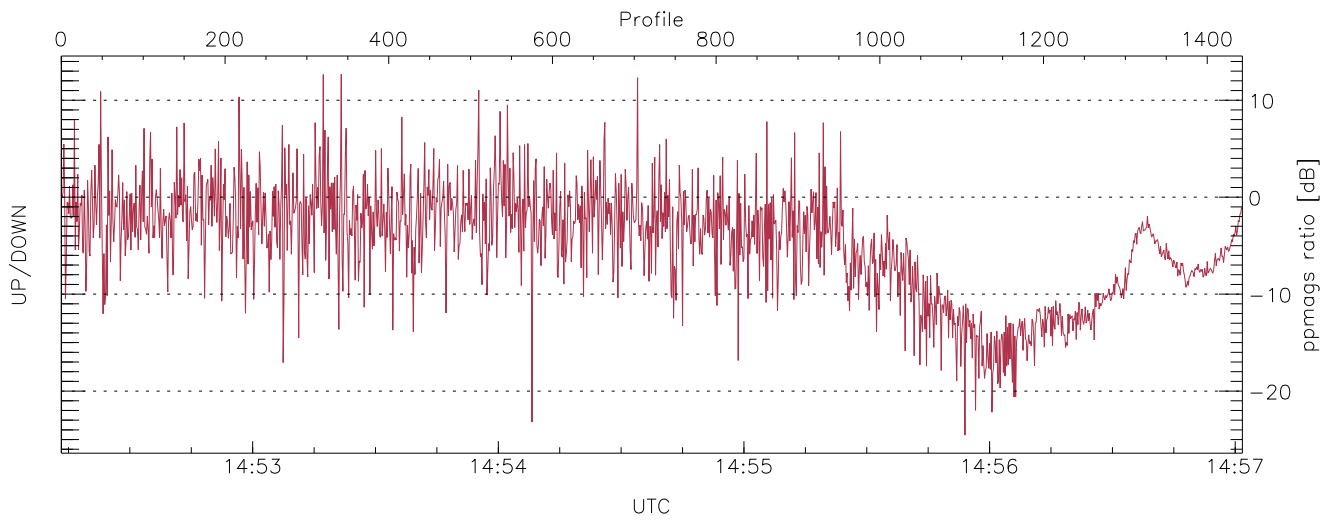
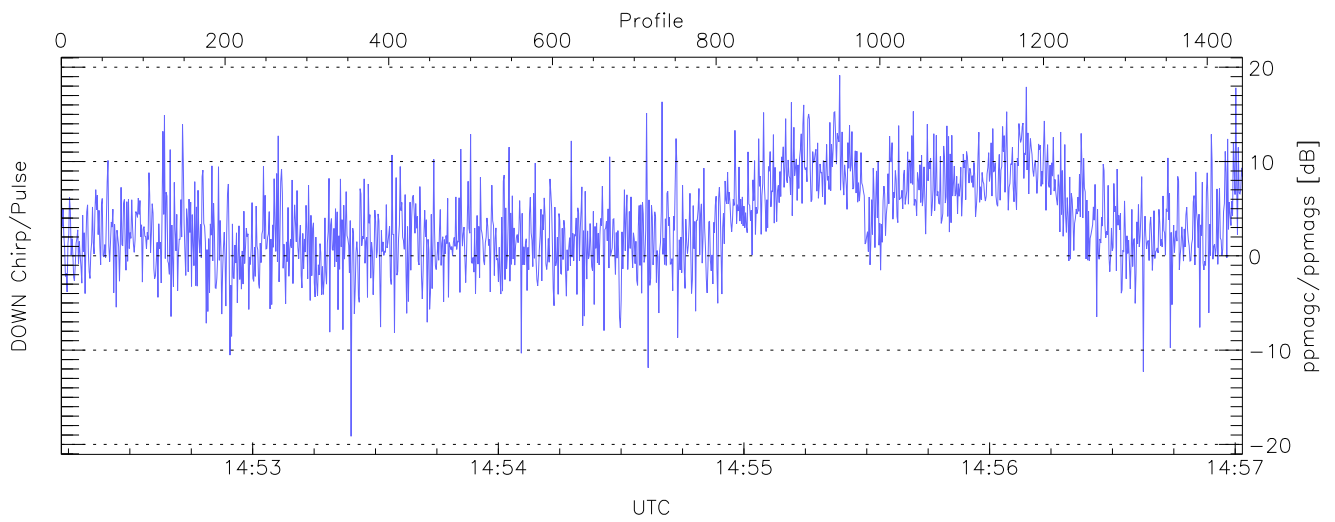
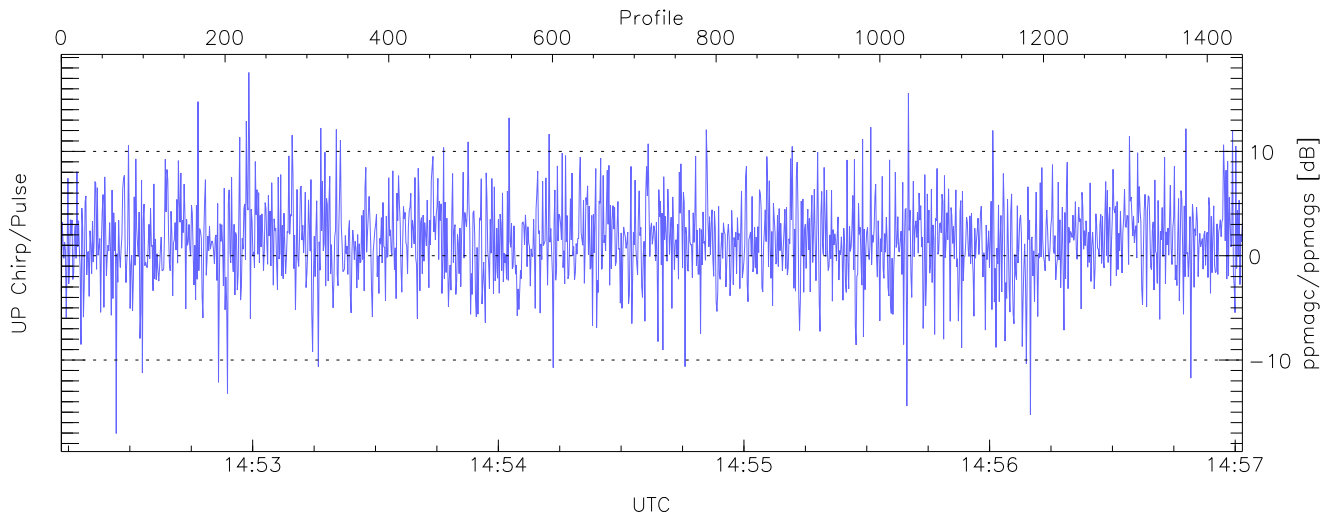
	Min	Max	Mean
UP Chirp(dBm)	-100.53	-76.59	-81.71
UP Pulse(dBm)	-102.10	-78.26	-83.19
DOWN Chirp(dBm)	-94.55	-72.43	-77.98
DOWN Pulse(dBm)	-97.27	-68.71	-76.76



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)	-40.02	40.04	0.31
UP Pulse(m/s)	-40.01	40.06	0.50
DOWN Chirp(m/s)	-40.01	40.04	-1.82
DOWN Pulse(m/s)	-39.96	40.02	-1.42



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-17.04	17.57	3.34
DOWN Chirp/Pulse(dBm)	-19.14	19.15	6.26
UP/DOWN Ratio at Range 196.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-24.54	12.70	-1.46