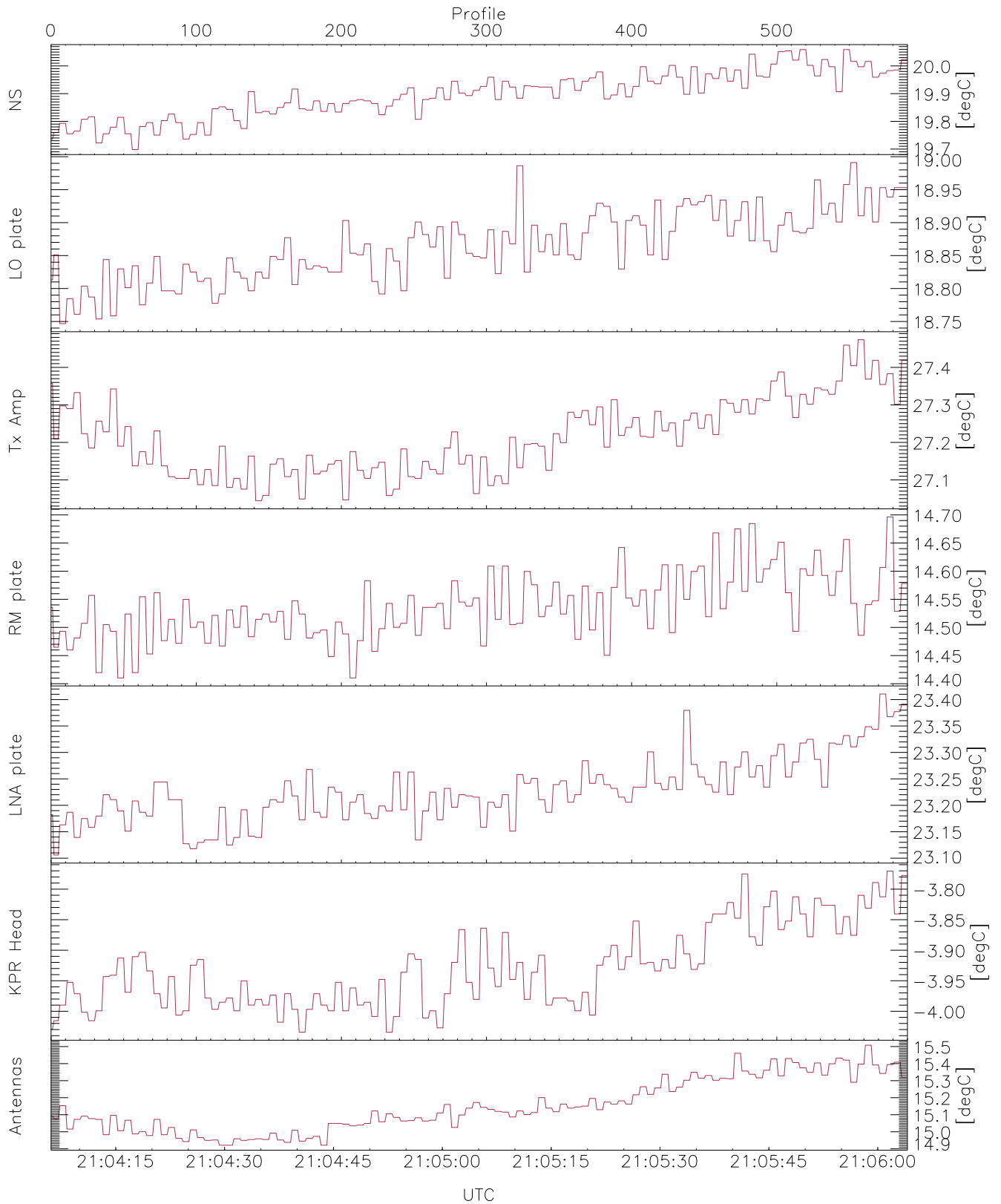


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 21:04:06-21:06:04, TimeCor: 0.00s, Dur: 118.01s
 TimeInt(min,max,mn,std): 199.9,200.1,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 591/591, 0-590/21:04:06-21:06:04
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 41.2 KB/s
 Pulse: 618 ns, Chirp: 6.18 us, DRxIF: 2.0 MHz
 PRF: 18.5 KHz, avgPulses: 3704, avgPP: 3703
 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

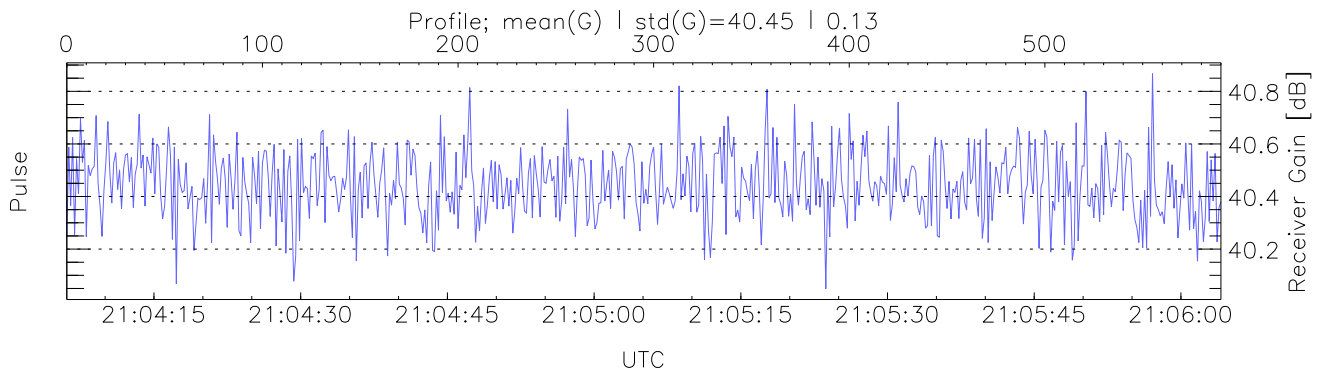
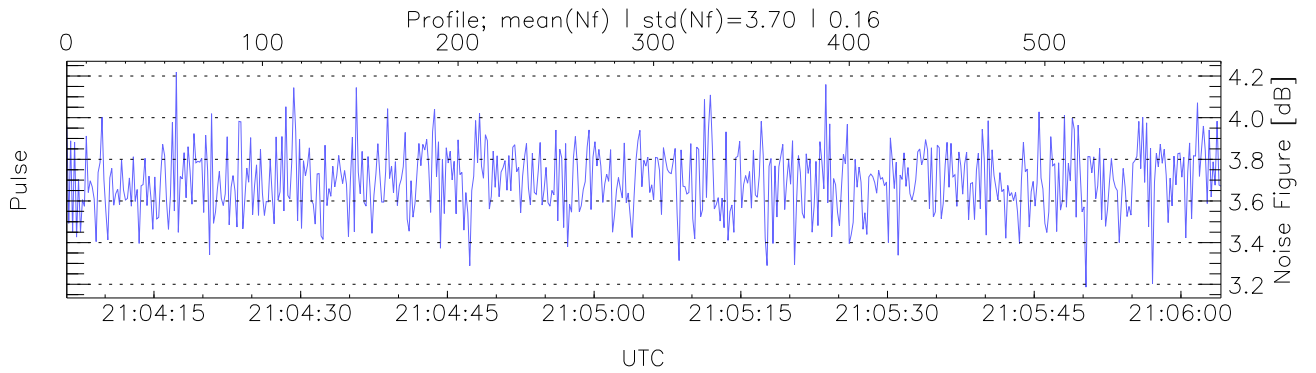
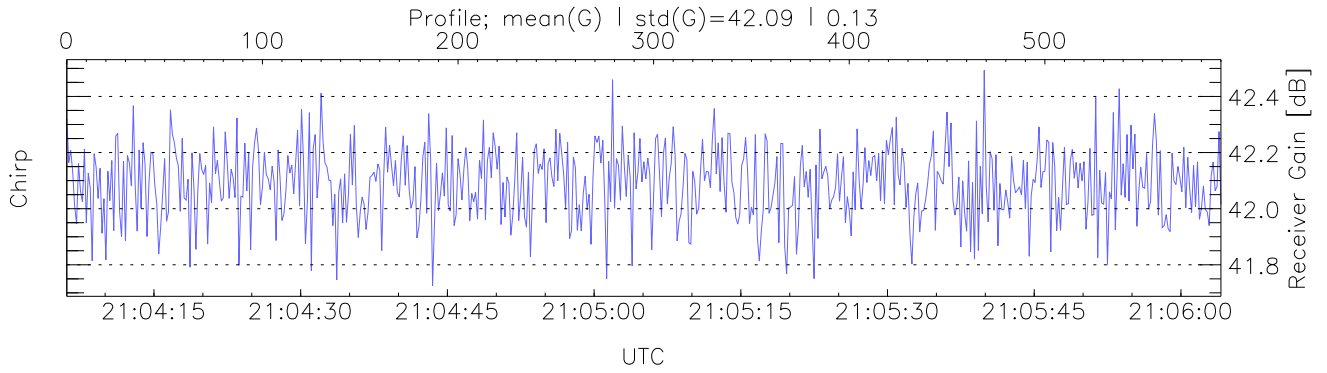
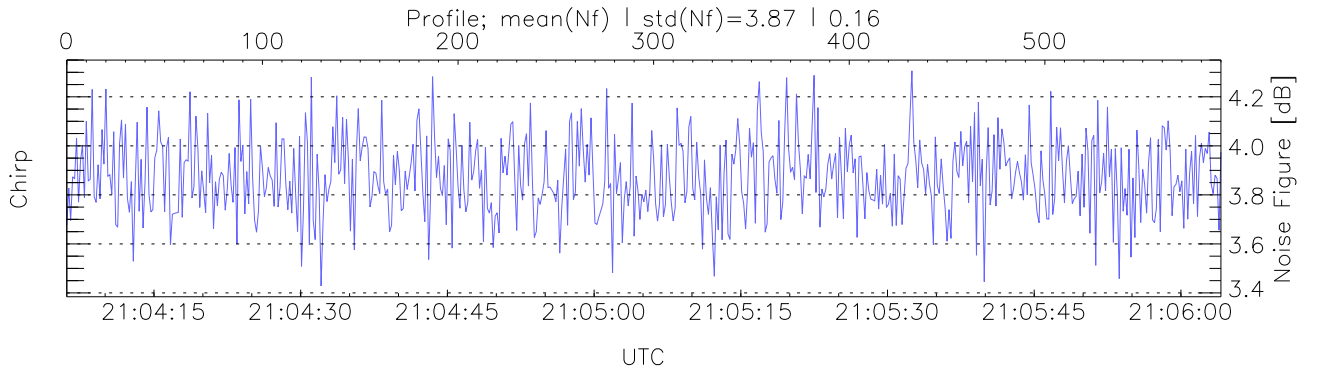


KPR SPP Temperatures, Power Supplies, PLO lock:

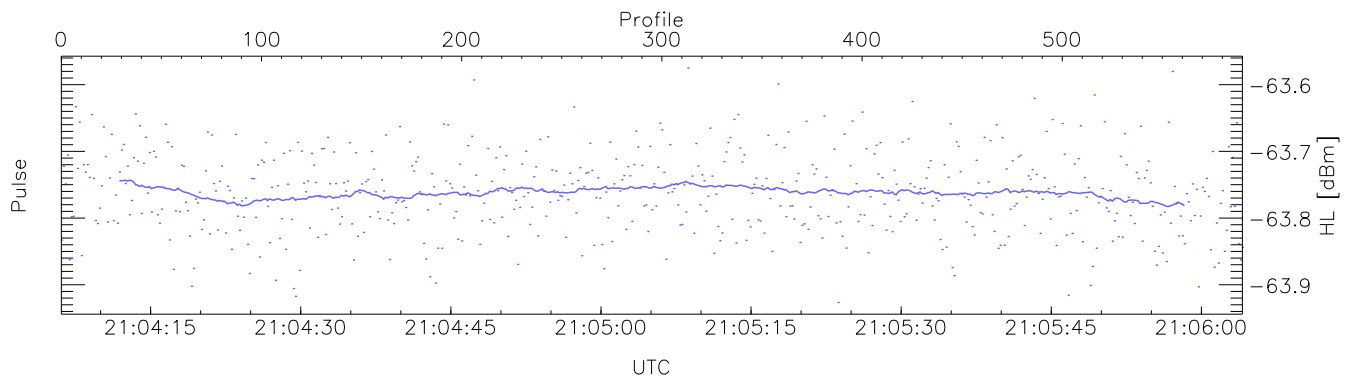
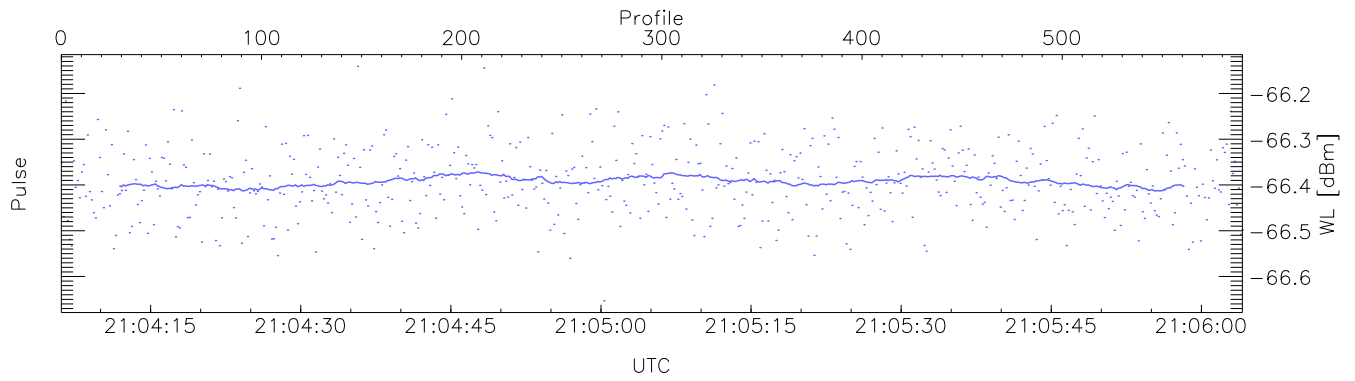
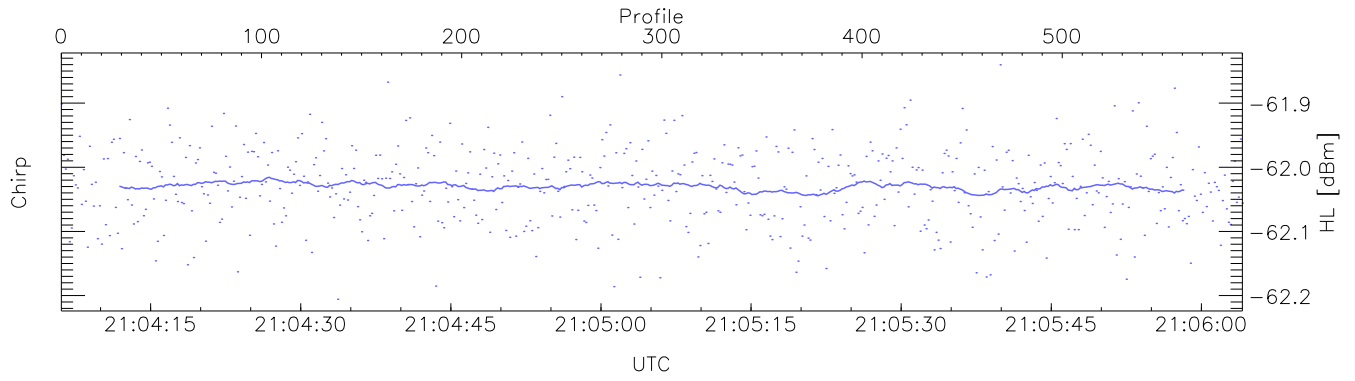
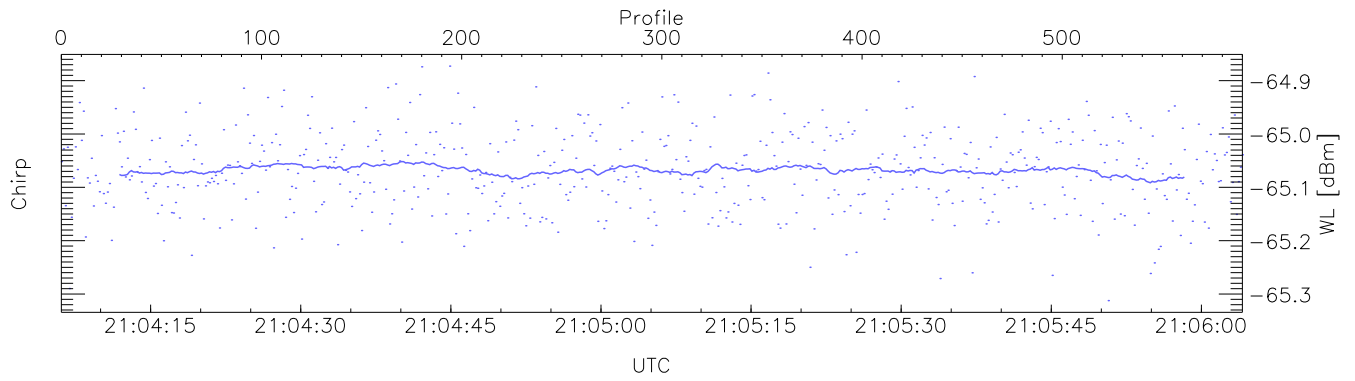
temperature: NS, LO, Tx, RM, LNA, Head, Ant
 mintempC: 19.7, 18.7, 27.0, 14.4, 23.1, -4.0, 14.9
 maxtempC: 20.1, 19.0, 27.5, 14.7, 23.4, -3.8, 15.5
 meantempC: 19.9, 18.9, 27.2, 14.5, 23.2, -3.9, 15.2

PwrSply: 28, 12, 8, 5 VDC
 minVDC: 25.87, 11.65, 7.87, 5.21
 maxVDC: 27.36, 11.73, 7.89, 5.23
 meanVDC: 26.79, 11.68, 7.88, 5.22

PLO(3.84,15.84 GHz) unlocked: None

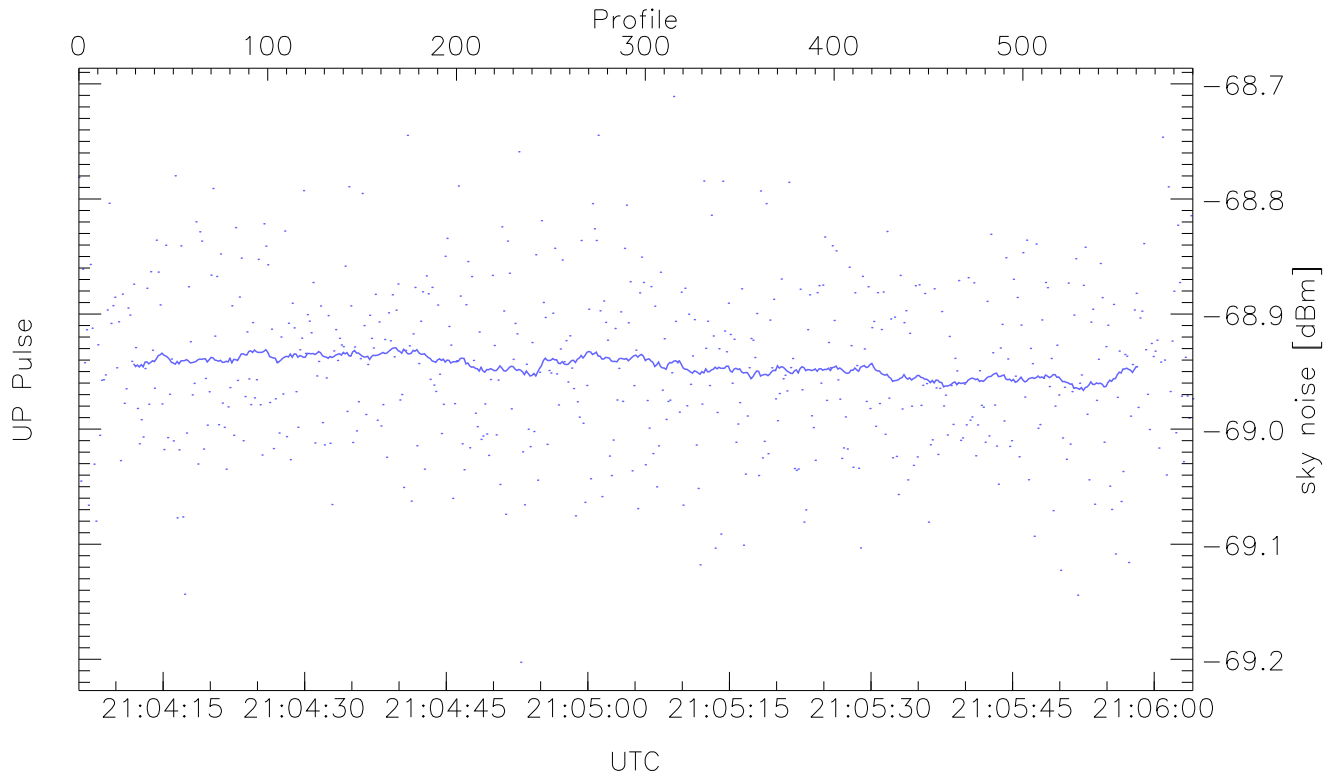
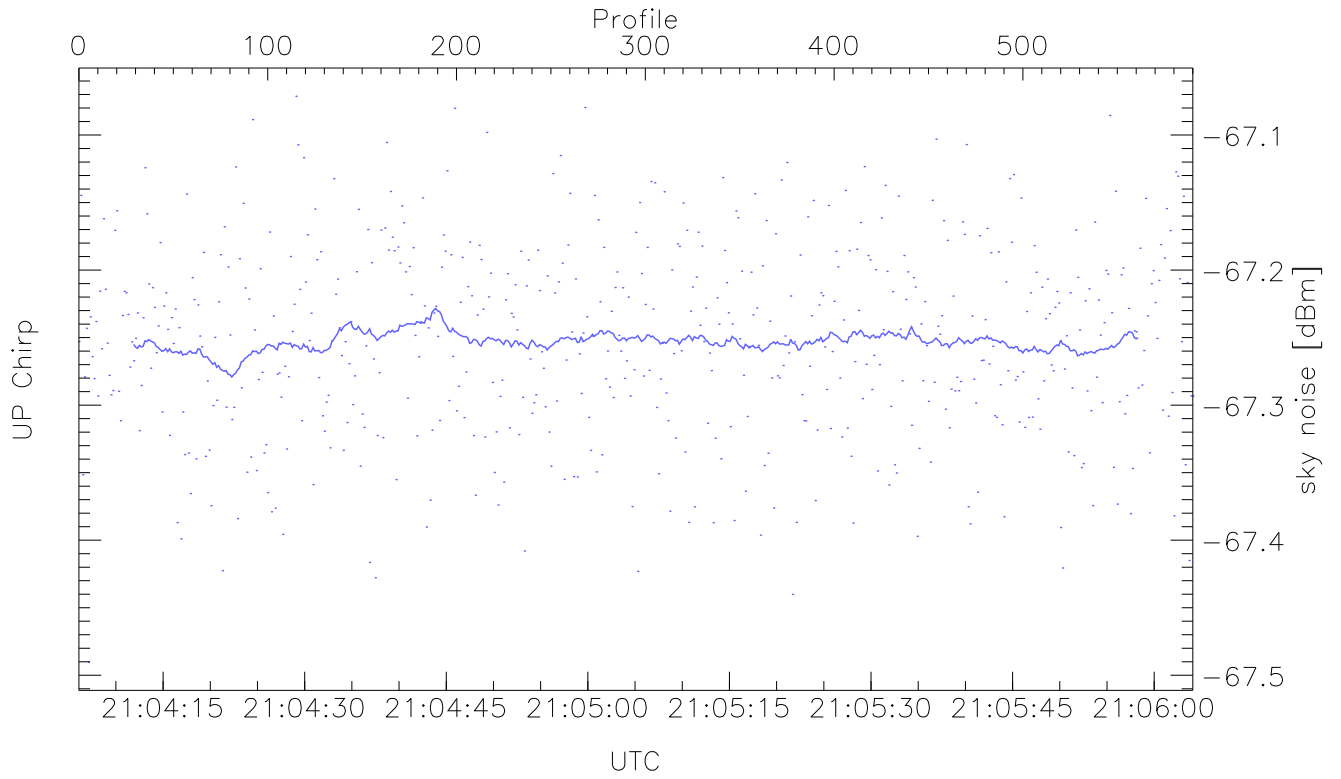


KPR SPP Receiver Gain and Noise Figure



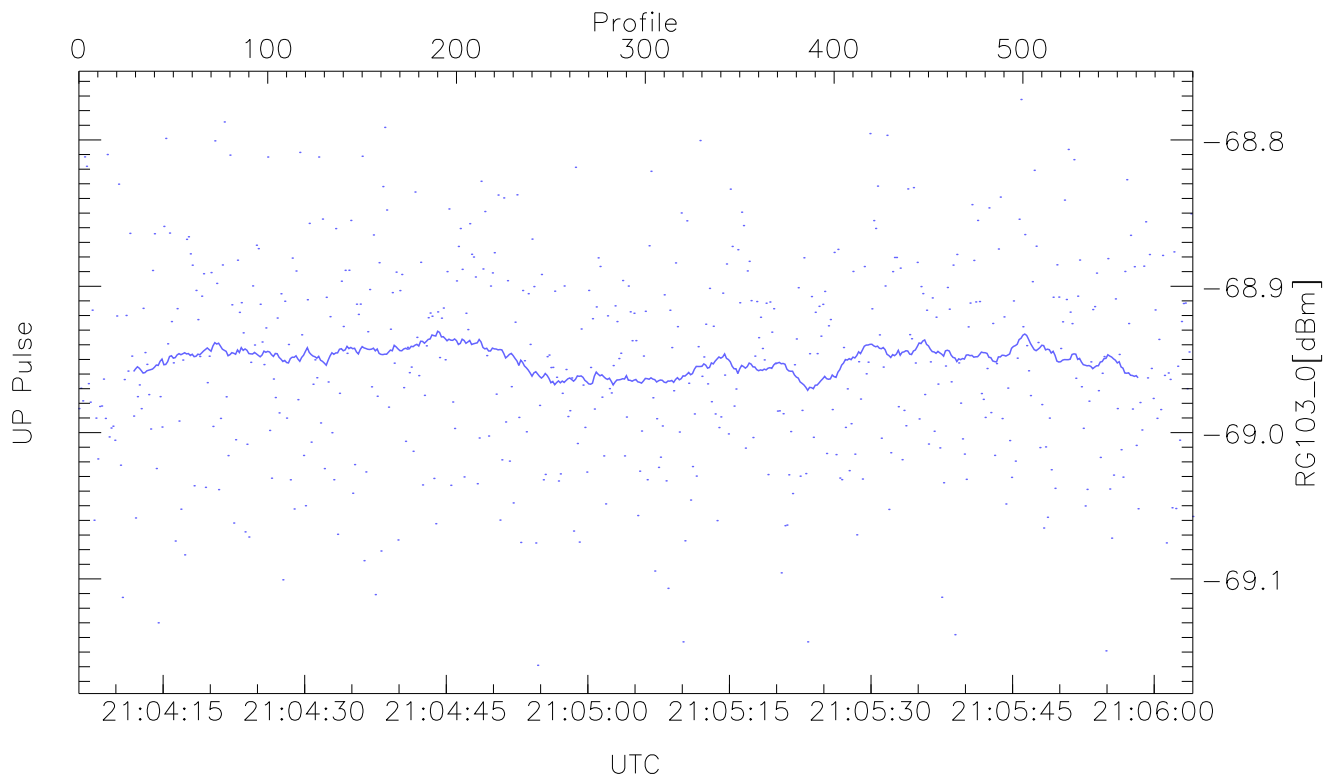
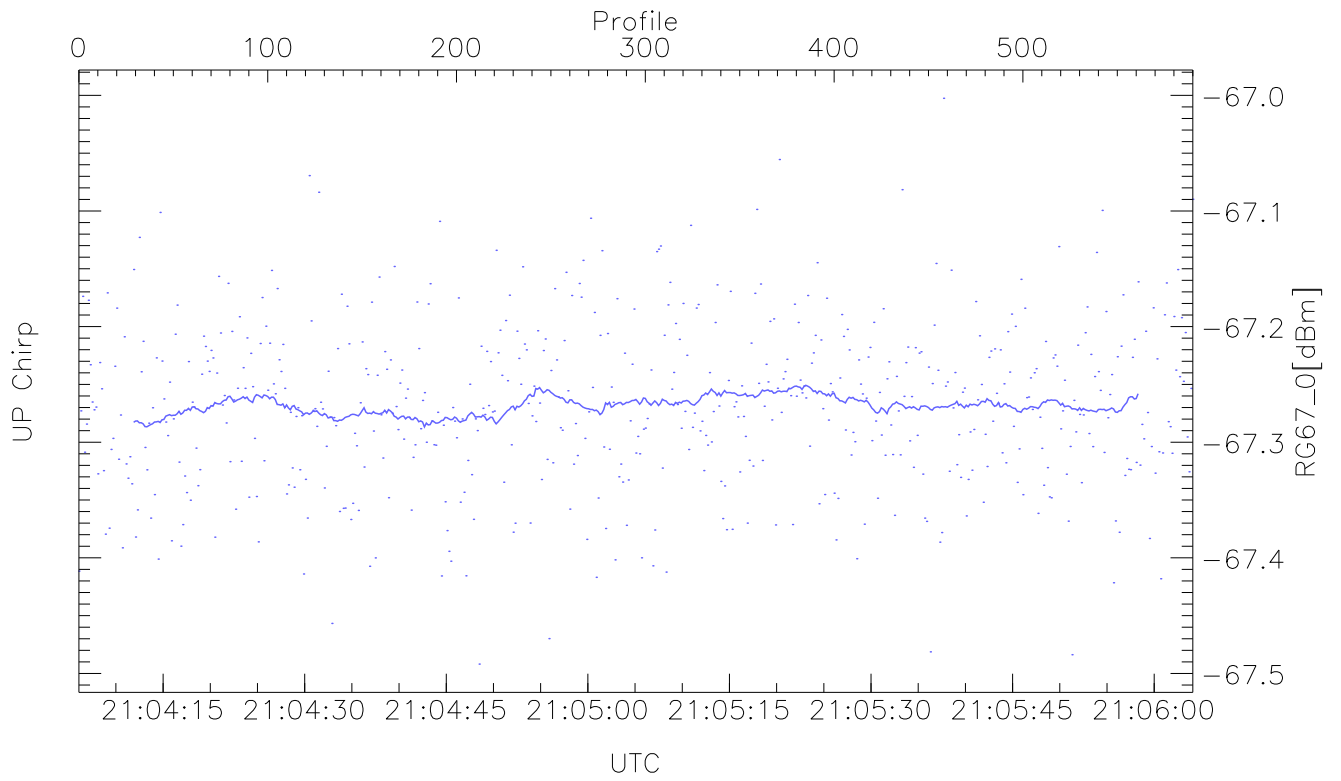
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.31	-64.87	-65.07	-65.07	-82.82
Chirp(HL [dBm])	-62.21	-61.84	-62.03	-62.03	-80.75
Pulse(WL [dBm])	-66.65	-66.14	-66.39	-66.40	-84.07
Pulse(HL [dBm])	-63.93	-63.57	-63.76	-63.76	-82.42



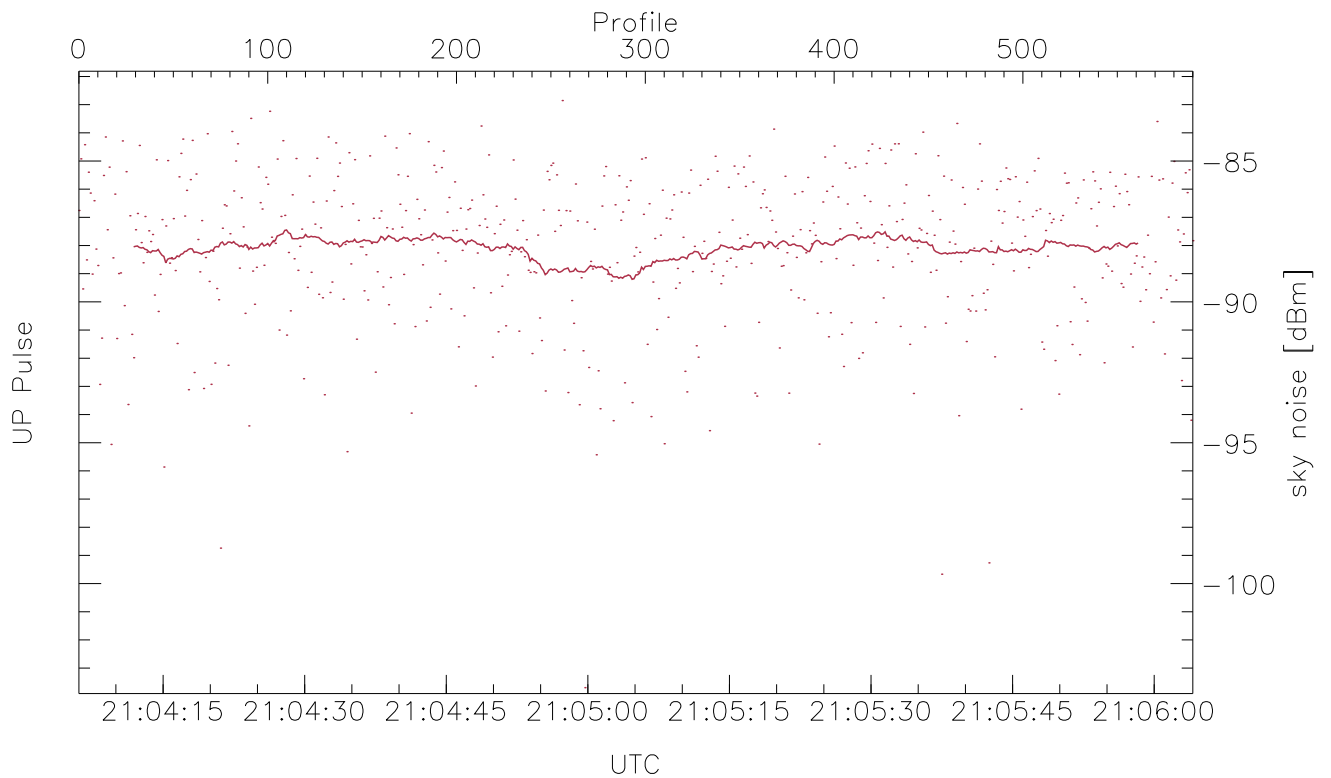
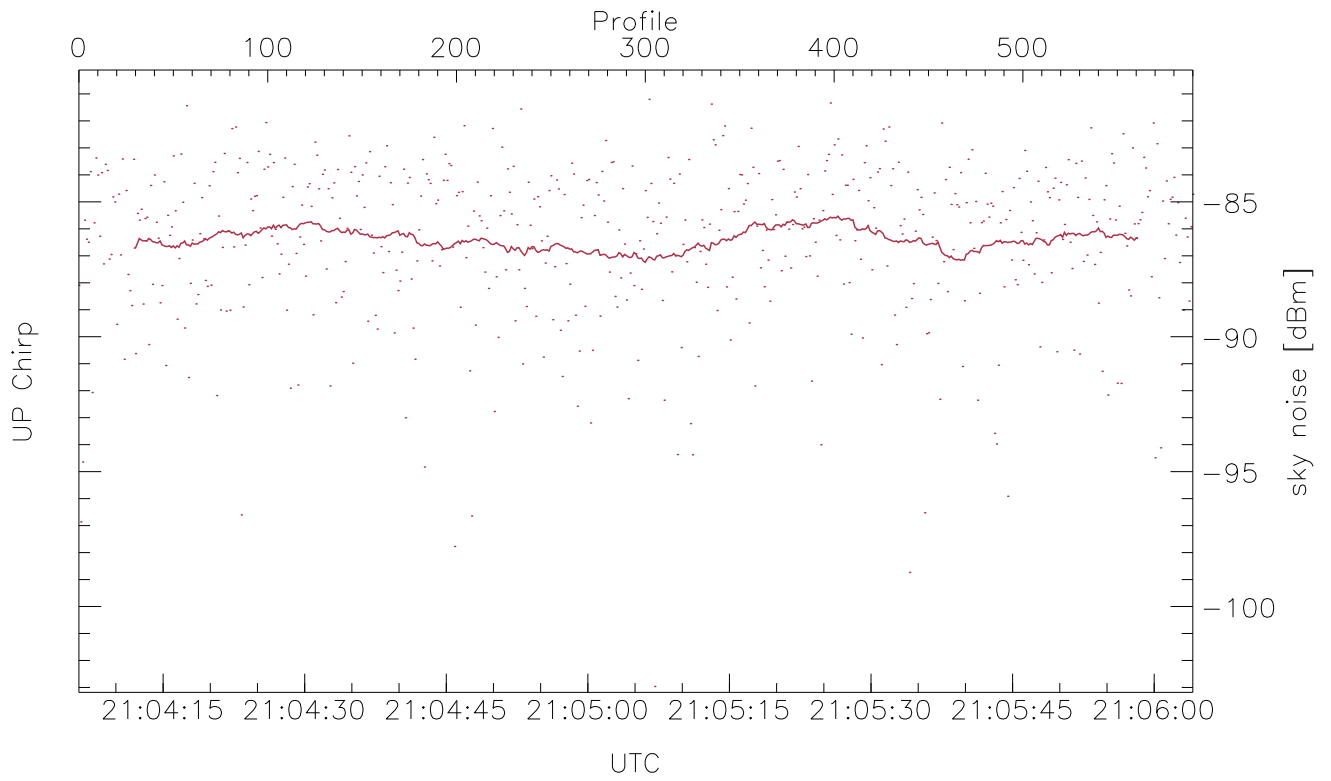
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-67.49	-67.07	-67.25	-67.25	-85.12
UP Pulse(dBm)	-69.20	-68.71	-68.94	-68.95	-86.73



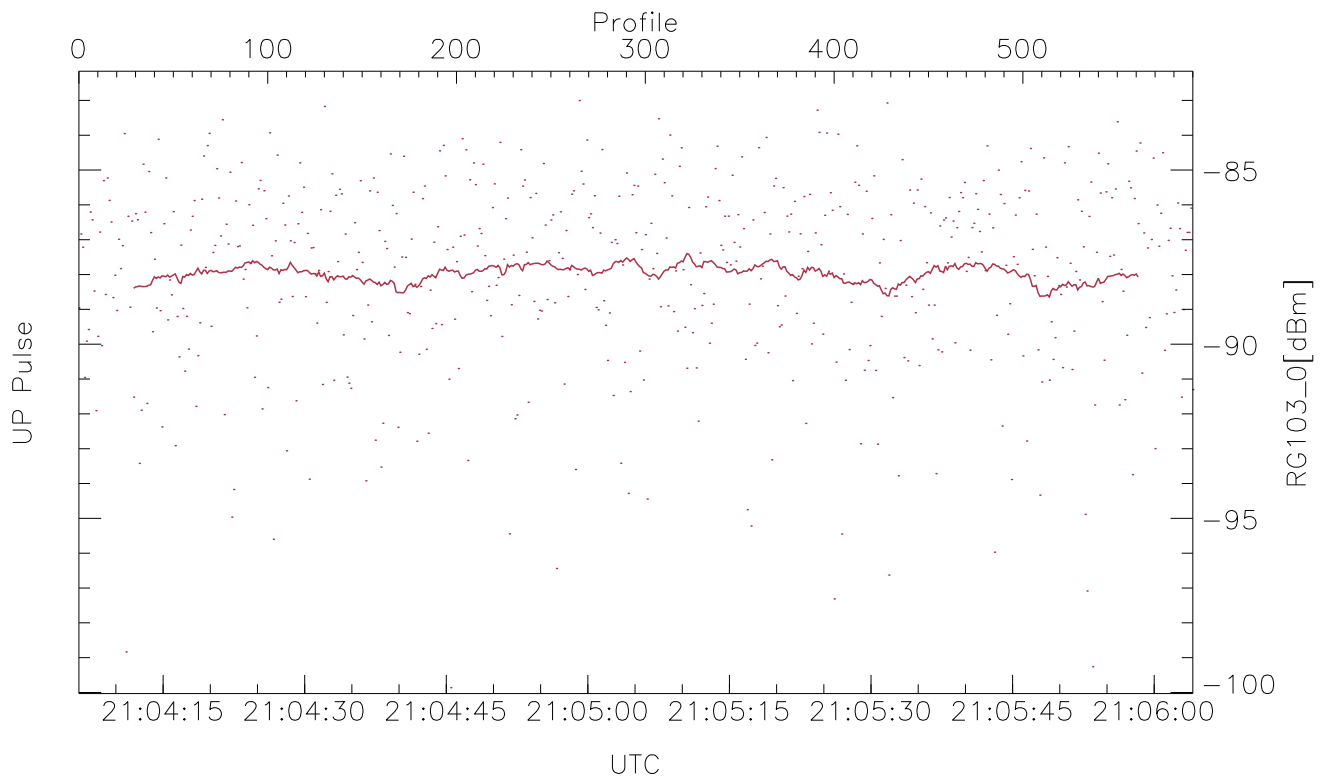
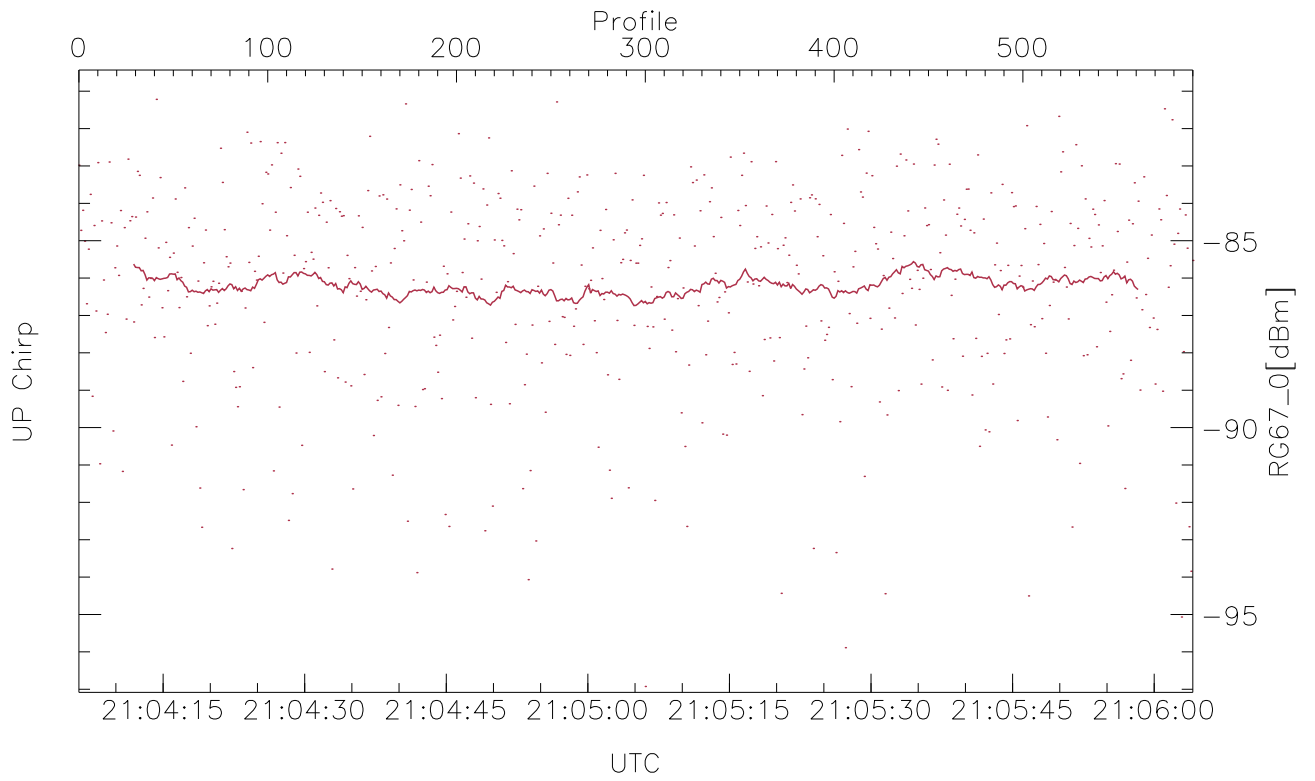
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG67_0	-67.49	-67.00	-67.27	-67.27	-85.13
UP_P_RG103_0	-69.16	-68.77	-68.95	-68.95	-86.93



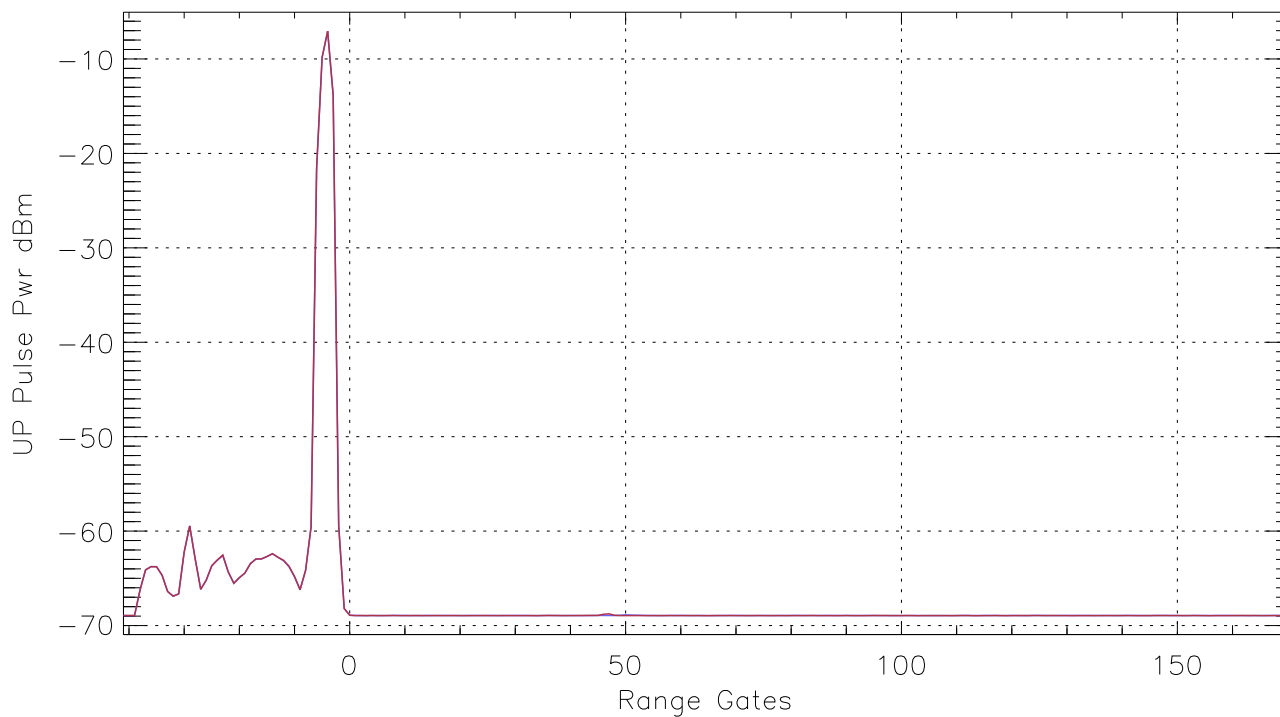
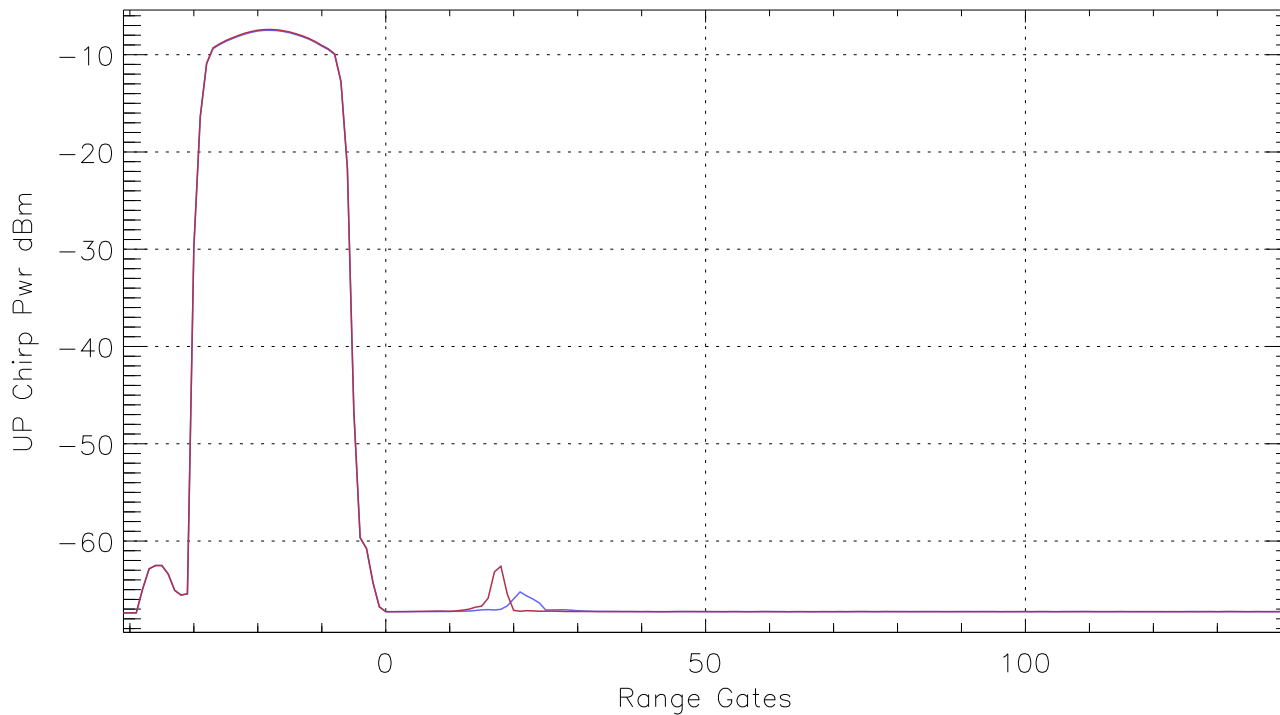
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-102.96	-81.20	-85.66	-85.81	-88.53
UP Pulse(dBm)	-103.70	-82.85	-87.42	-87.63	-90.38

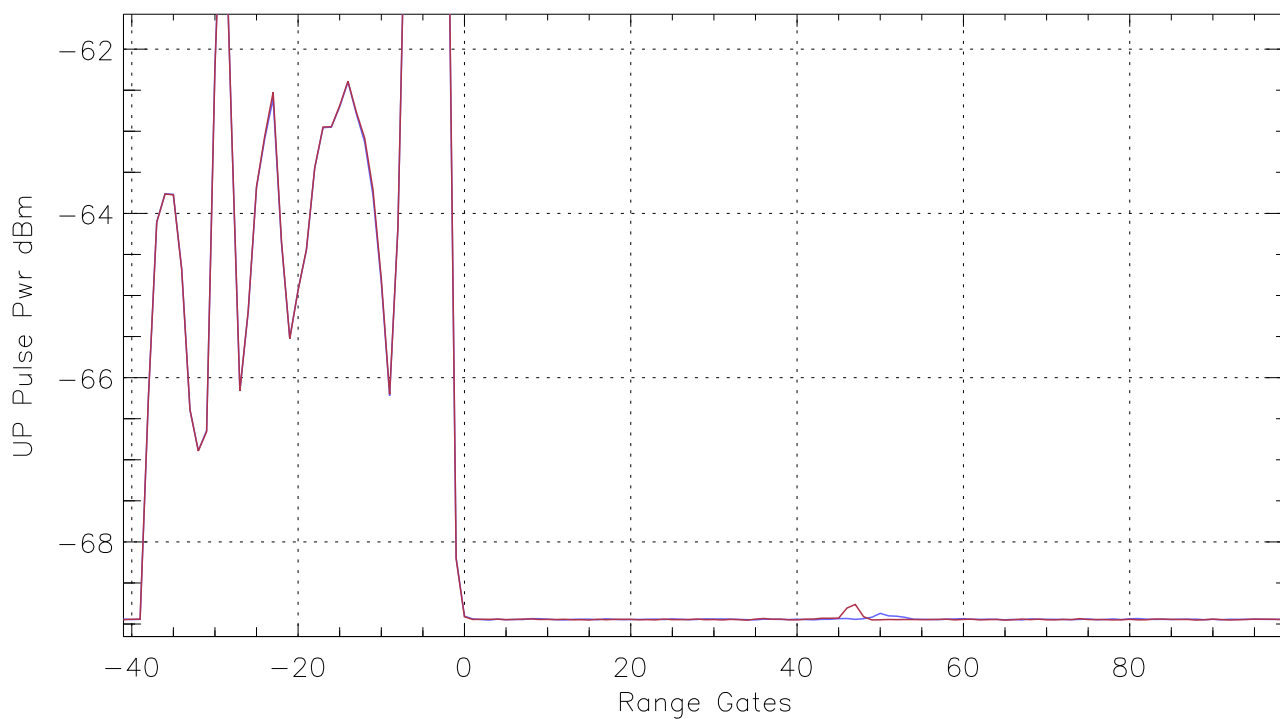
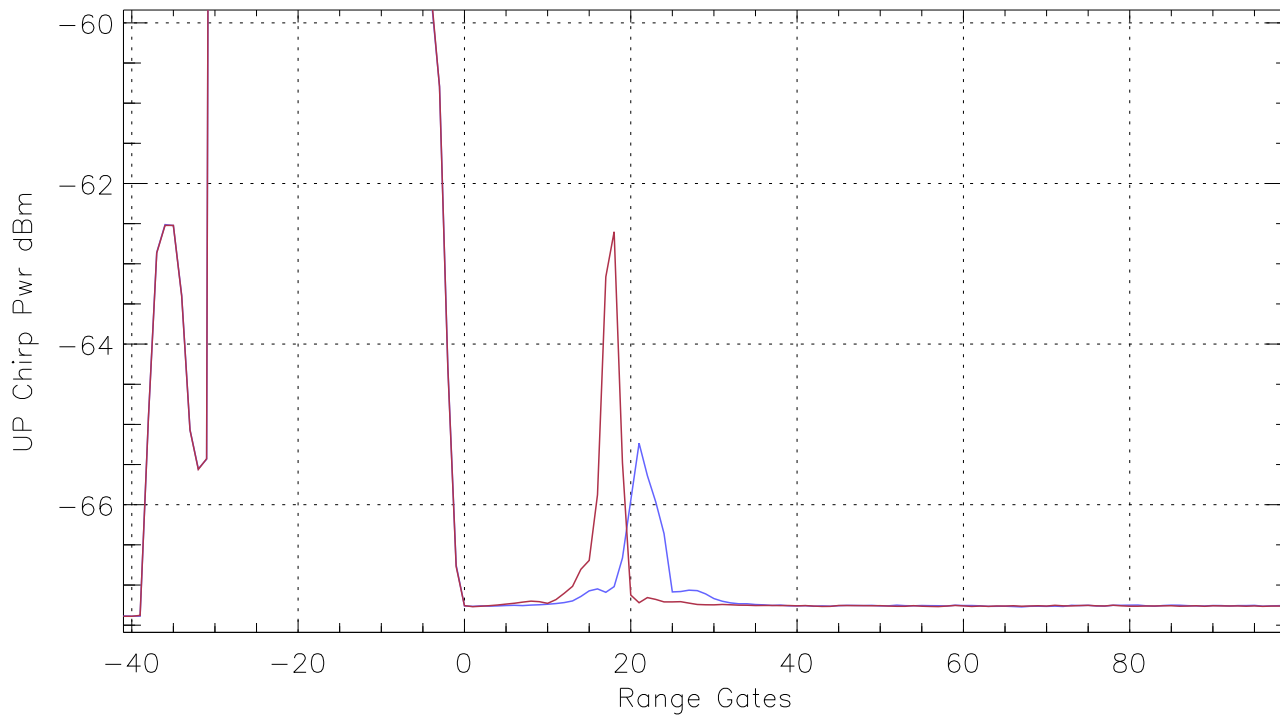


KPR SPP "Best" PPMAG noise (dBm):

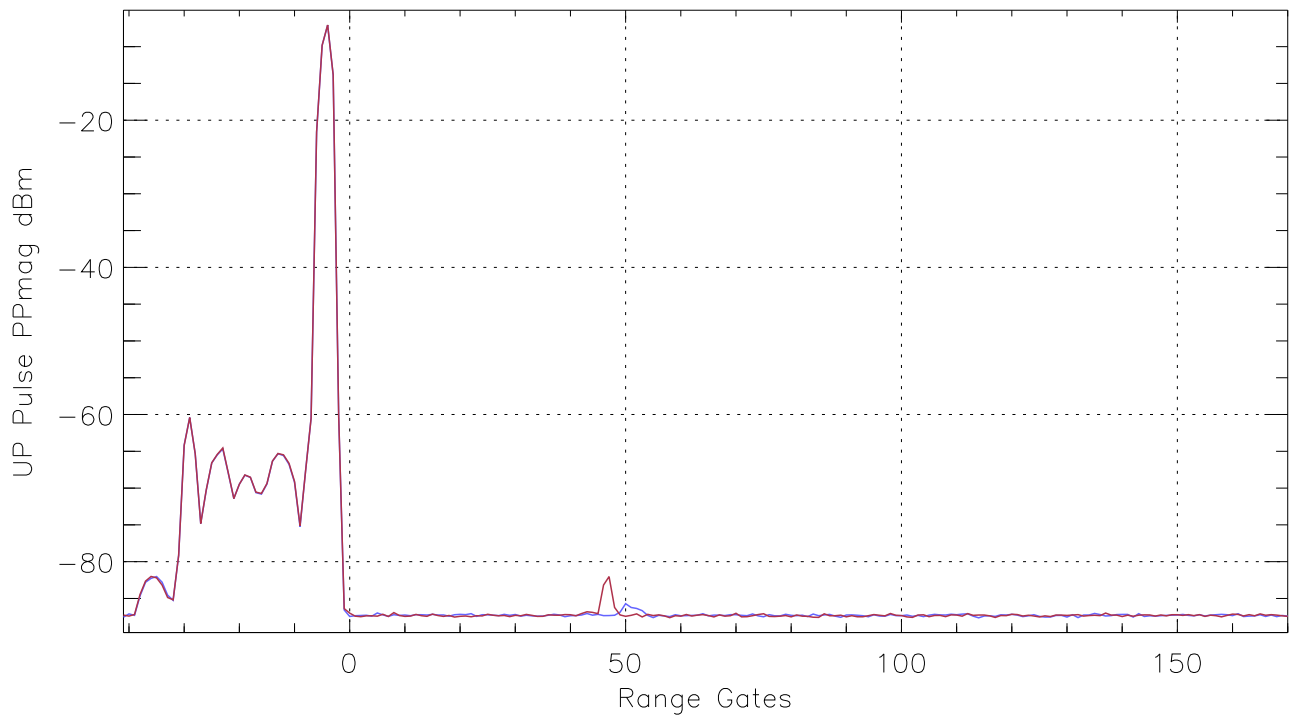
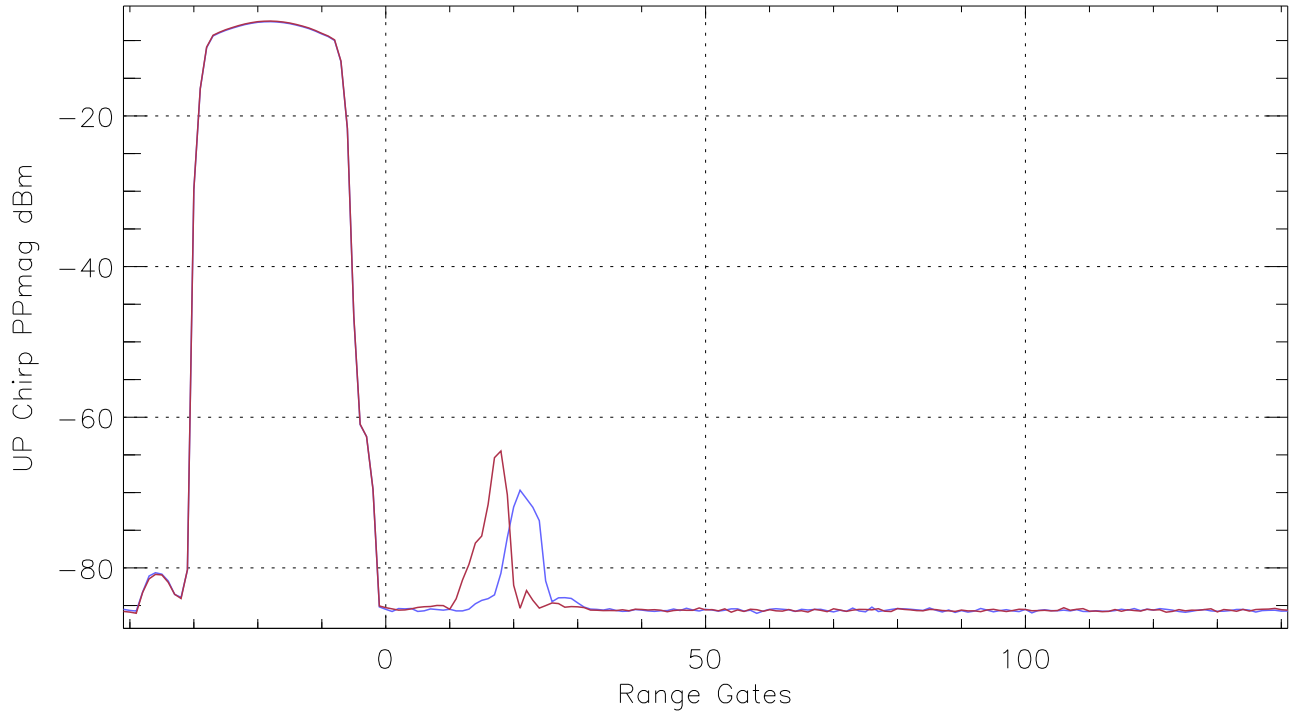
	Min	Max	Mean	Median	StDev
UP_C_RG67_0	-96.93	-81.22	-85.51	-85.70	-88.50
UP_P_RG103_0	-99.86	-83.01	-87.28	-87.44	-90.22



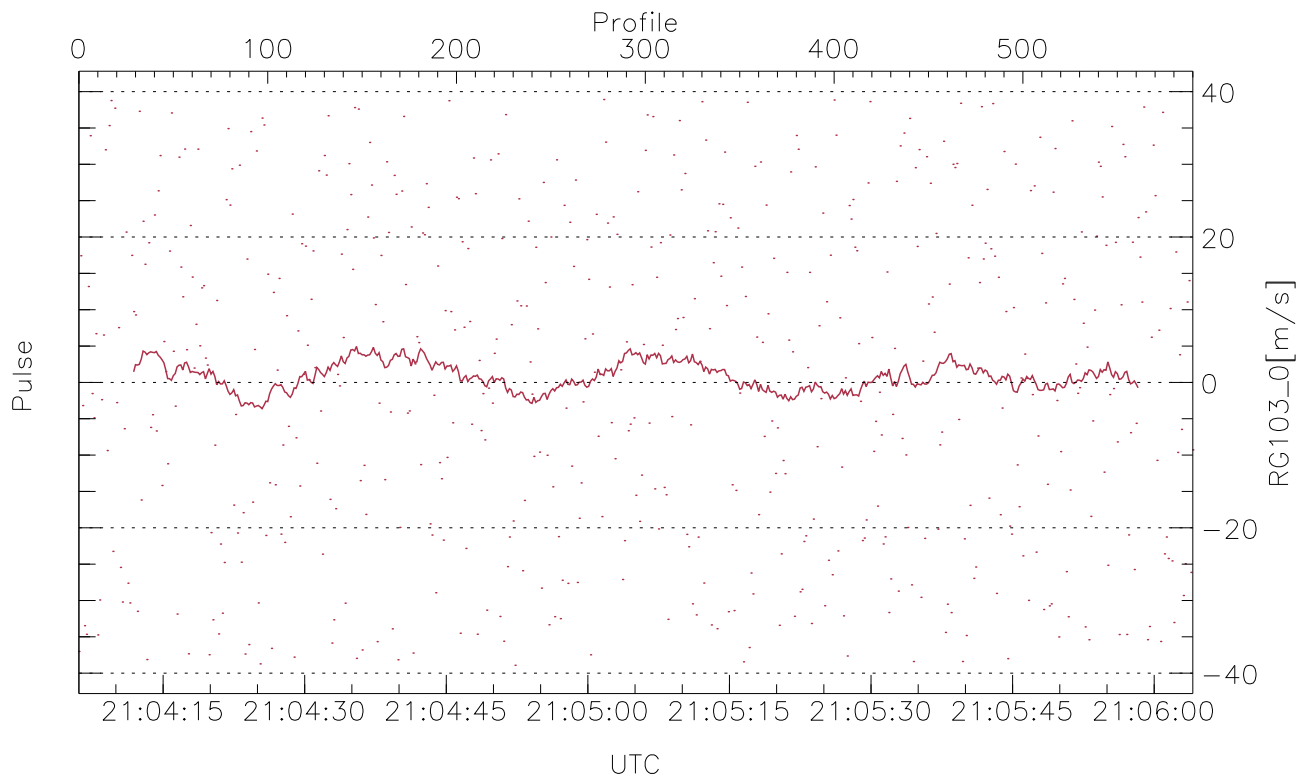
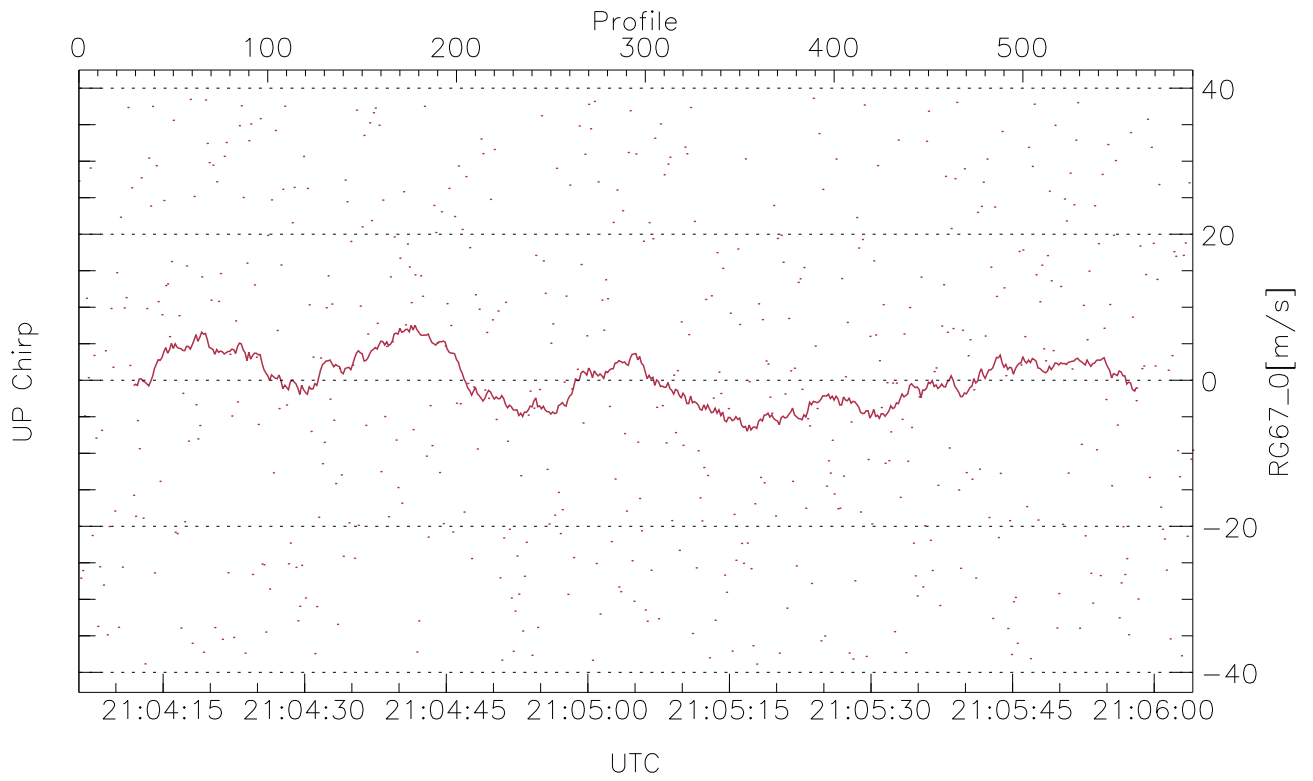
KPR SPP Averaged Received power for all recorded gates
blue: 210406-210505, 296 profiles averaged
red: 210505-210604, 296 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 210406-210505, 296 profiles averaged
red: 210505-210604, 296 profiles averaged

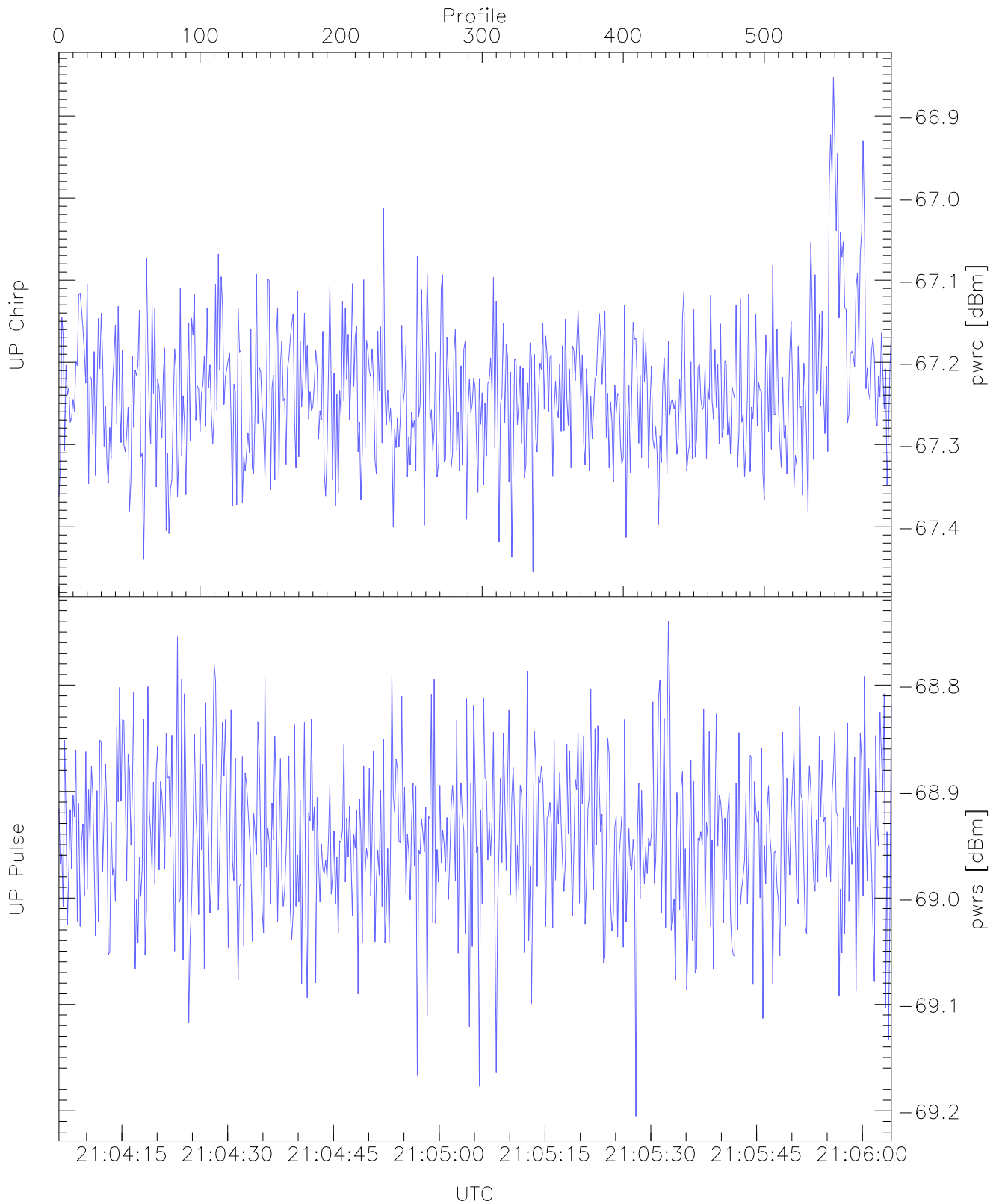


KPR SPP Averaged PP magnitude for all recorded gates
blue: 210406-210505, 296 profiles averaged
red: 210505-210604, 296 profiles averaged



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

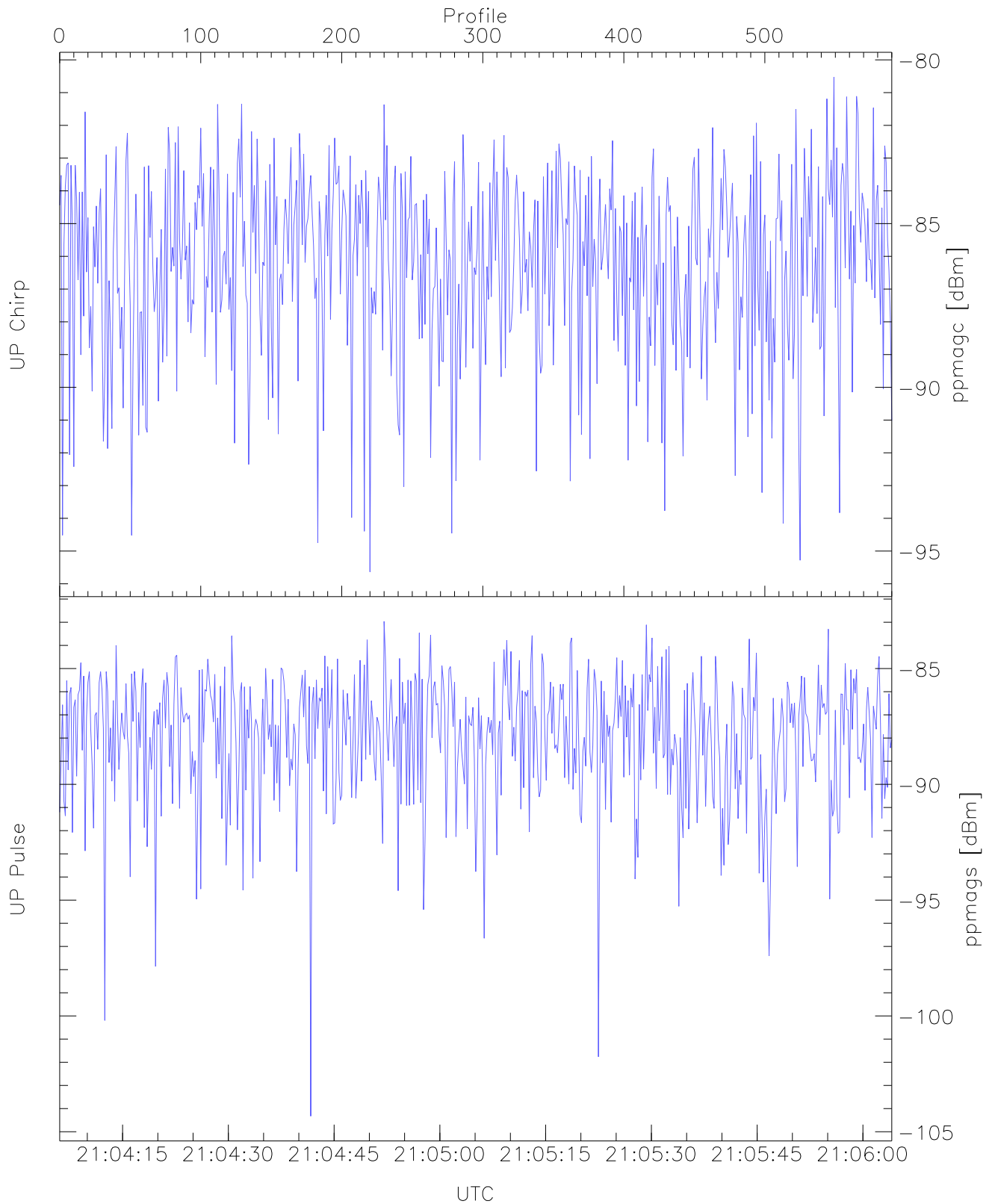
	Min	Max	Mean	Median	StDev
UP_C_RG67_0	-38.87	38.61	-0.13	0.47	21.92
UP_P_RG103_0	-38.91	38.91	0.56	1.97	22.53



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

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

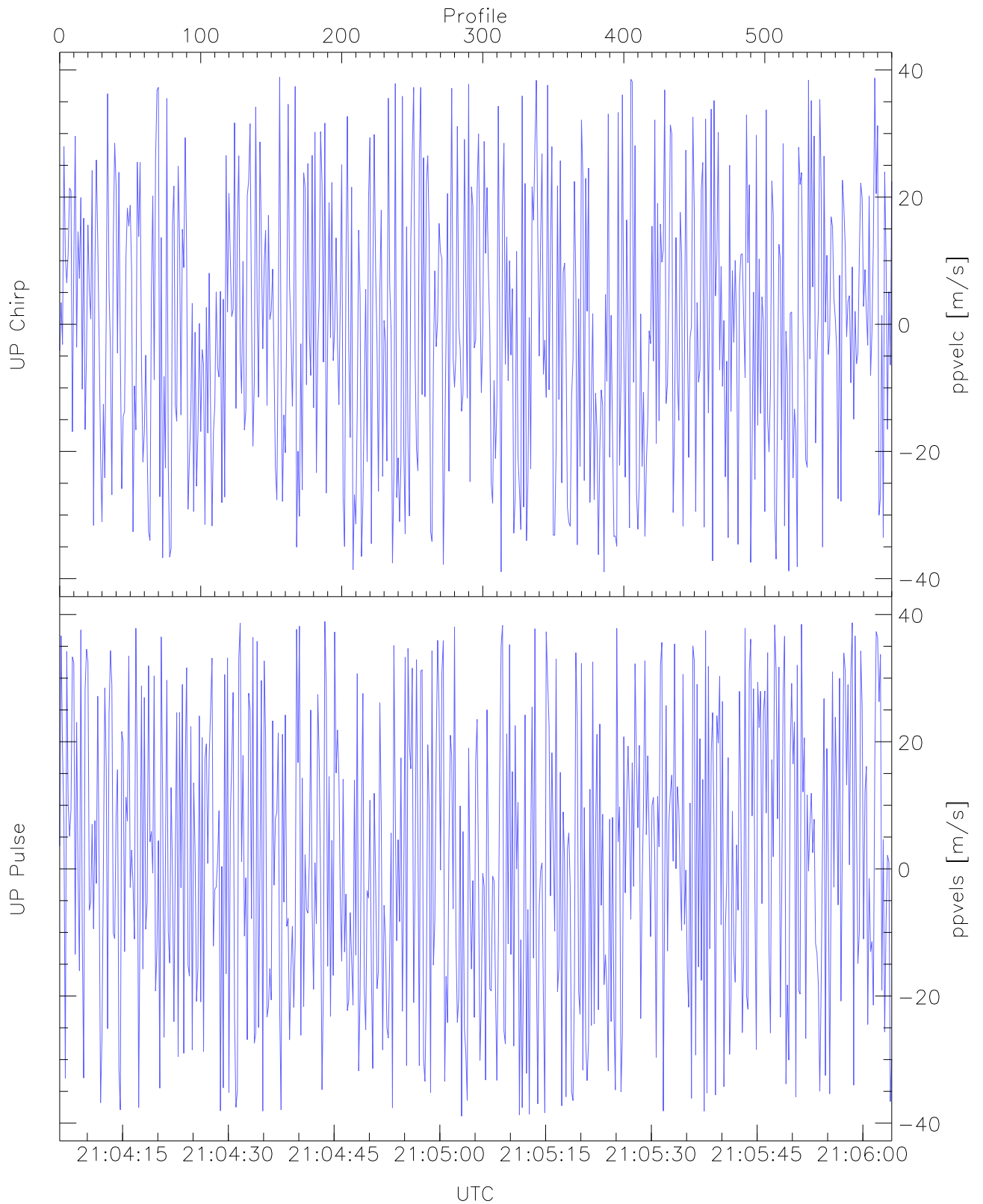
	Min	Max	Mean
UP Chirp(dBm)	-67.45	-66.85	-67.23
UP Pulse(dBm)	-69.21	-68.74	-68.94



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

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

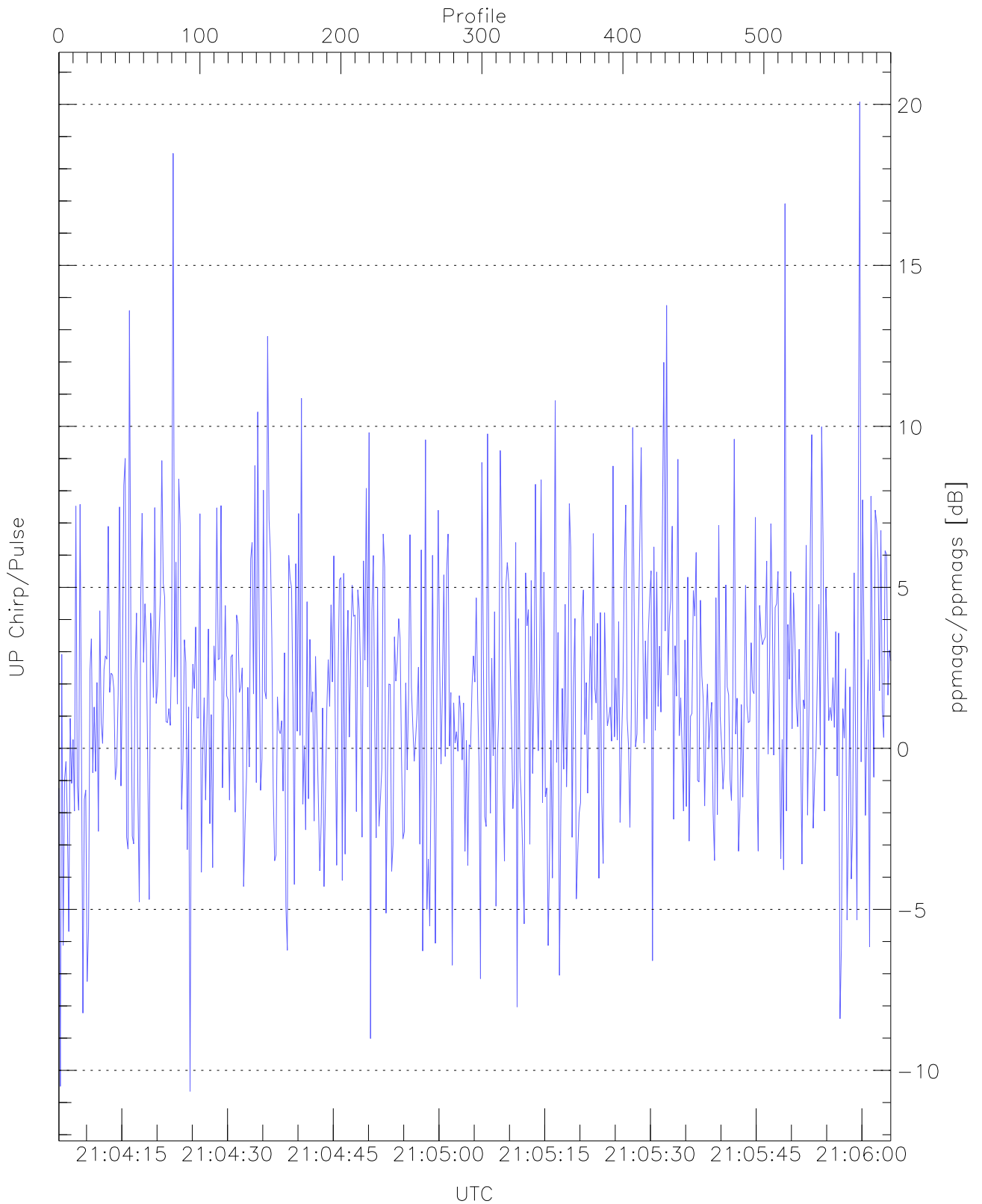
	Min	Max	Mean
UP Chirp(dBm)	-95.64	-80.52	-85.49
UP Pulse(dBm)	-104.33	-82.96	-87.34



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)	-38.94	38.89	-0.39
UP Pulse(m/s)	-38.90	38.93	1.09



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-10.66	20.08	3.97