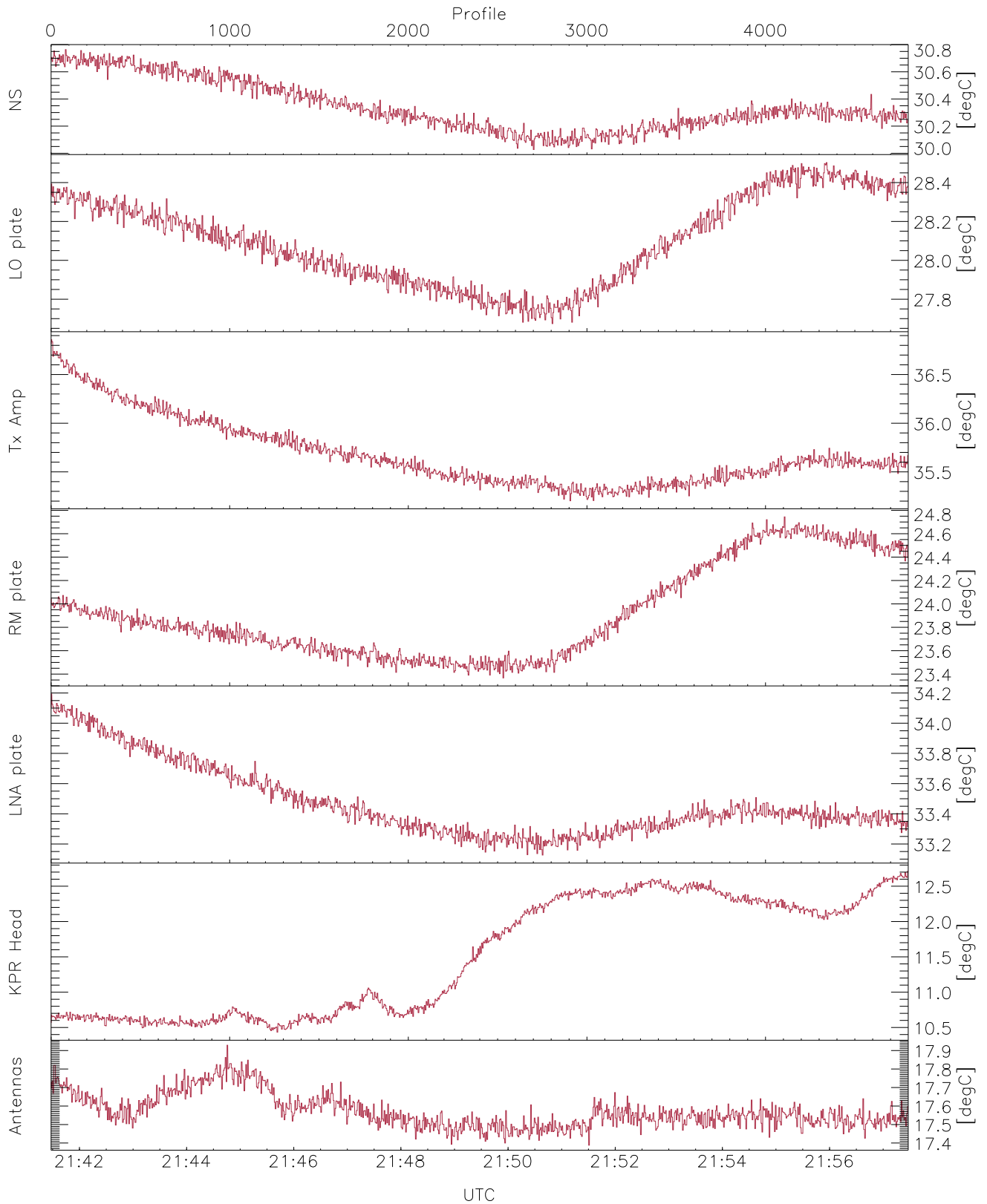


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 21:41:28-22:14:43, TimeCor: 0.00s, Dur: 959.92s
 TimeInt(min,max,mn,std): 189.0,211.1,200.0,0.4 ms; PPS: 5.0
 NumRec(r/t): 4800/9975, 0-4799/21:41:28-21:57:28
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 50.0 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 MHz
 PRF: 19.0 KHz, avgPulses: 3810, avgPP: 3809
 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

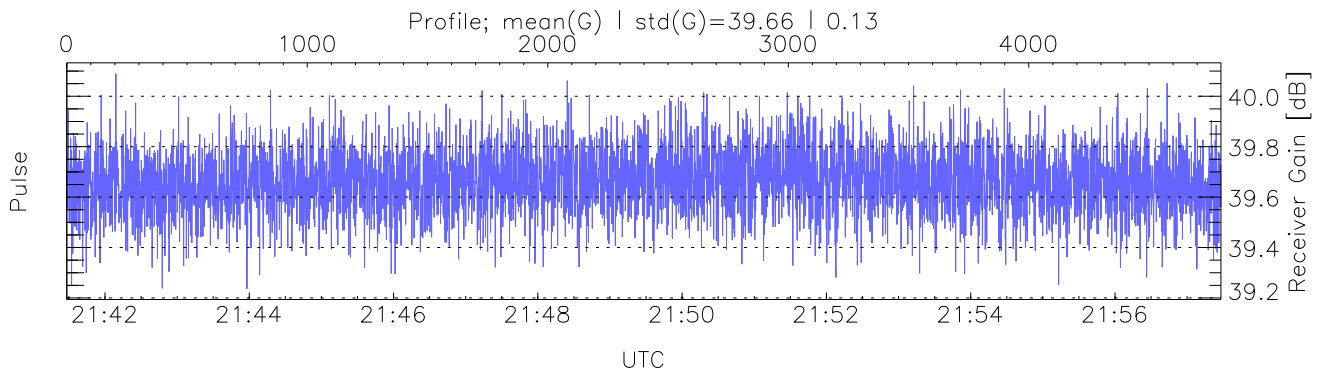
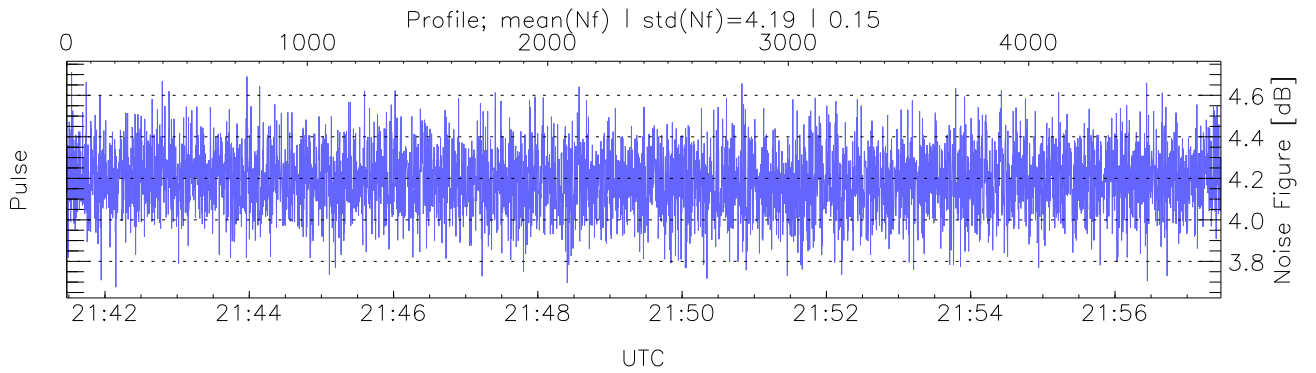
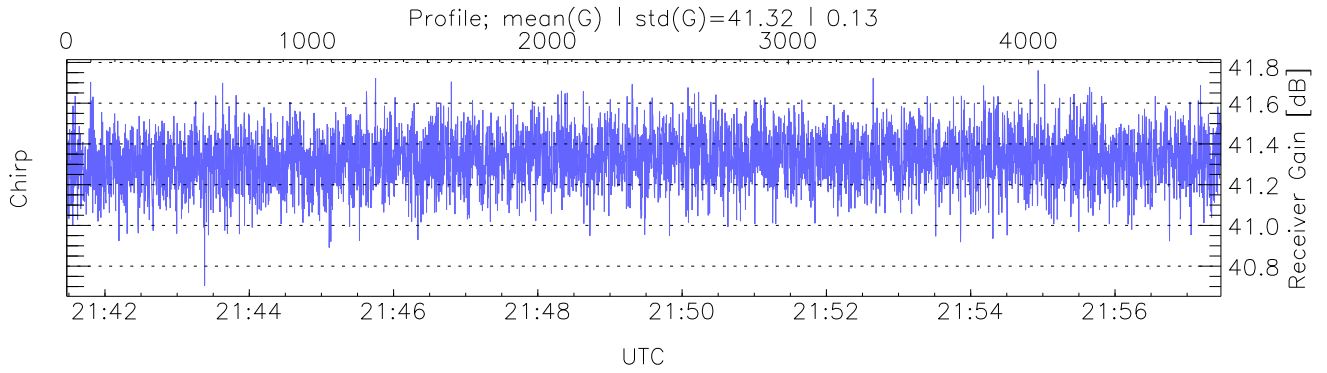
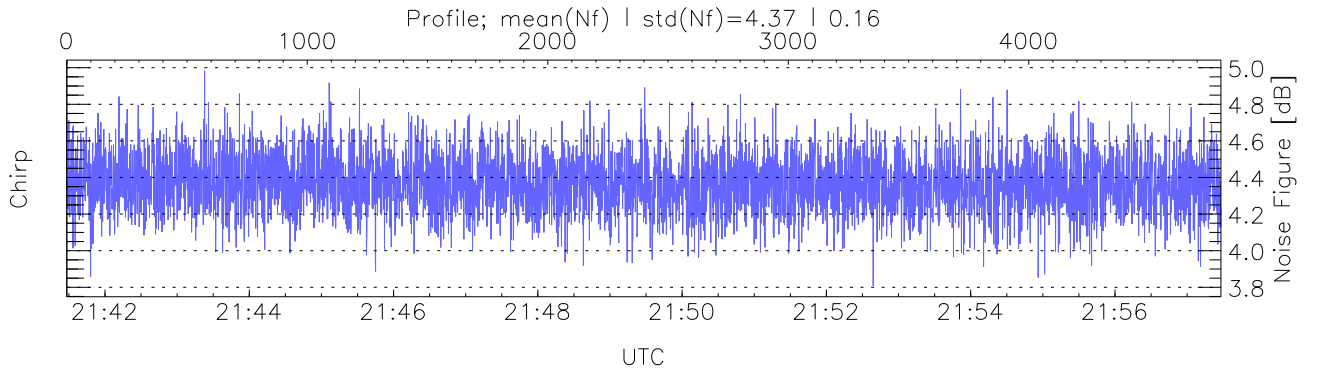


KPR SPP Temperatures, Power Supplies, PLO lock:

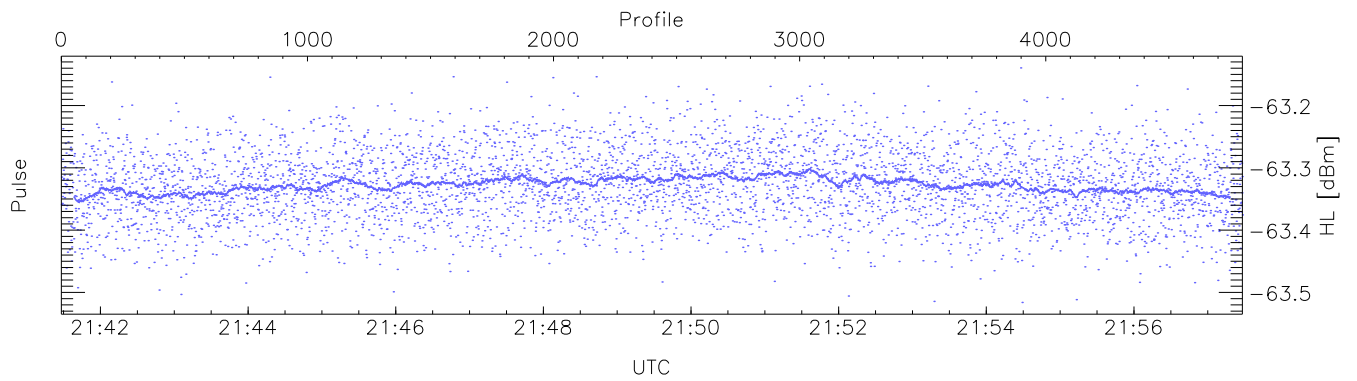
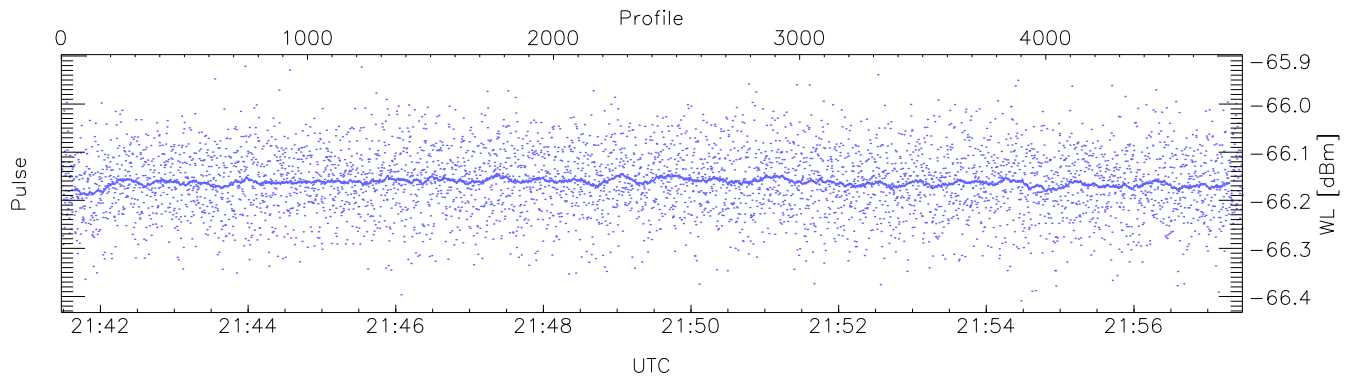
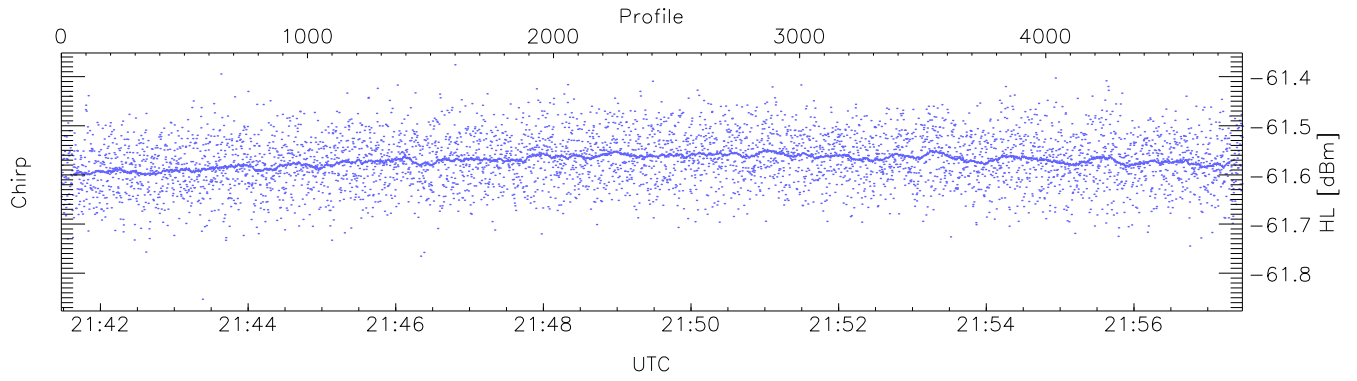
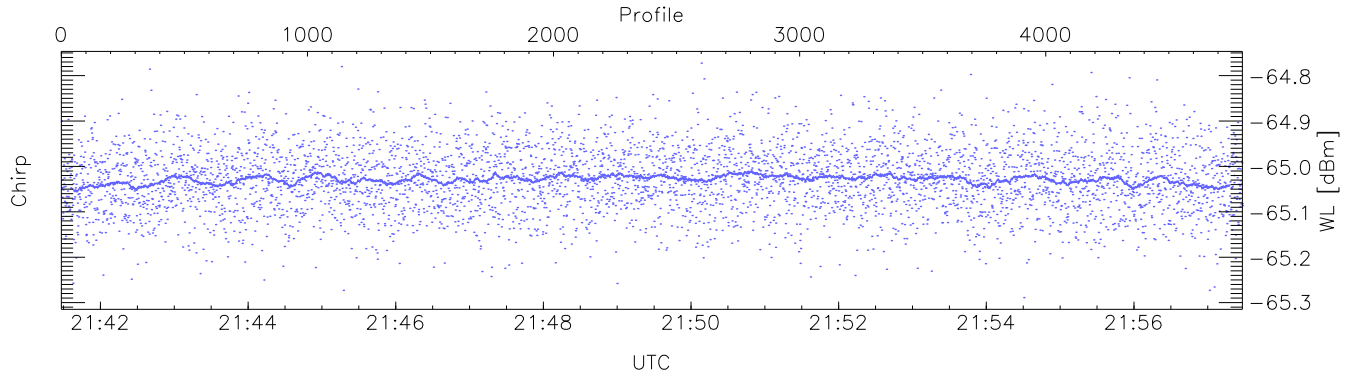
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	30.0,	27.7,	35.2,	23.4,	33.1,	10.4,	17.4
maxtempC:	30.8,	28.5,	36.9,	24.7,	34.2,	12.7,	17.9
meantempC:	30.3,	28.1,	35.7,	23.9,	33.5,	11.5,	17.6

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.86,	11.66,	7.87,	5.22
maxVDC:	27.68,	11.73,	7.89,	5.23
meanVDC:	27.01,	11.69,	7.88,	5.23

PLO(3.84,15.84 GHz) unlocked: None

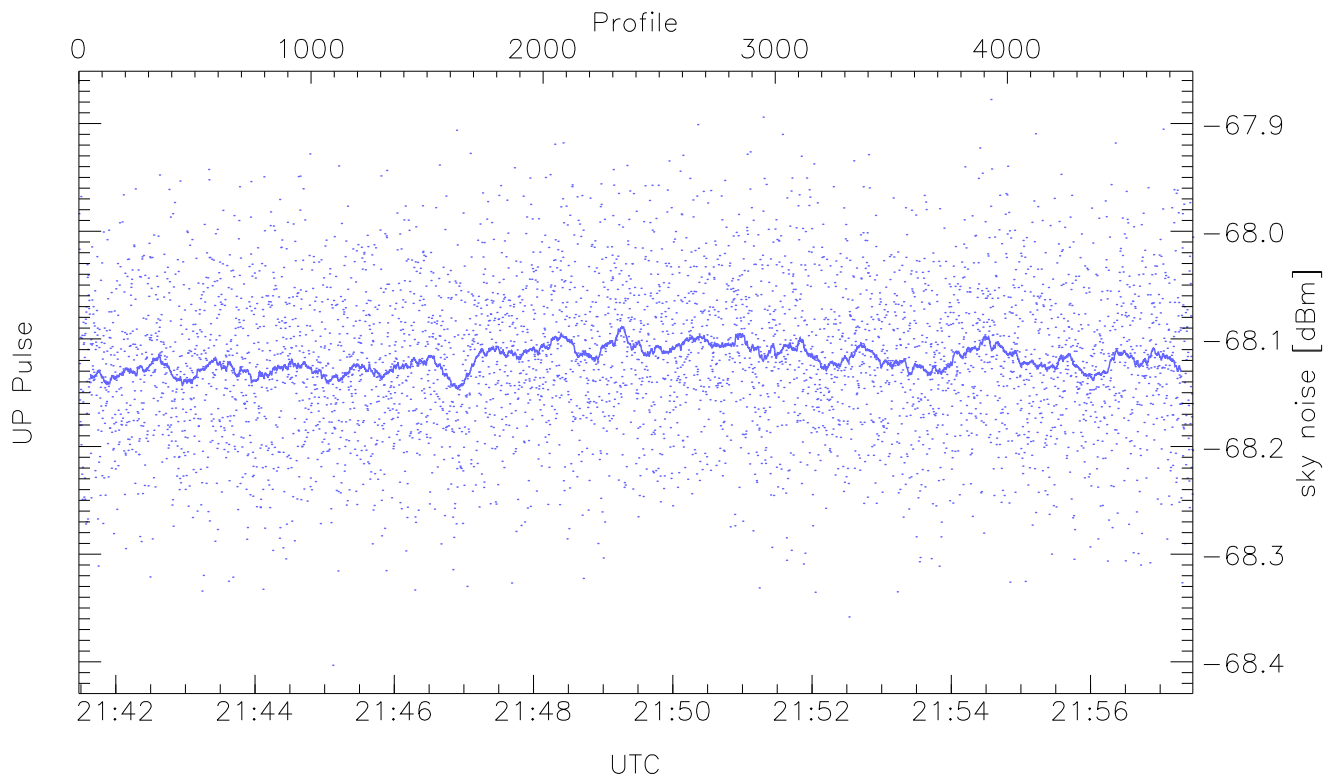
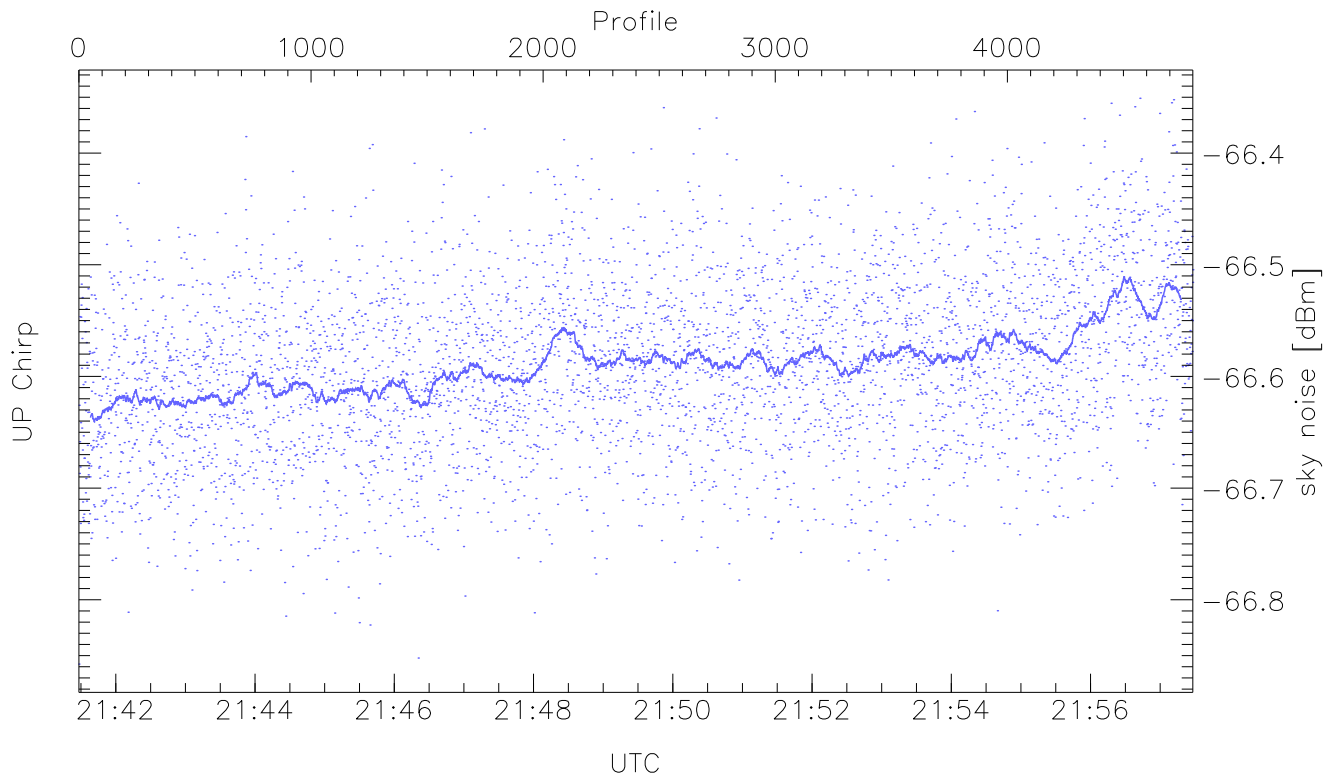


KPR SPP Receiver Gain and Noise Figure



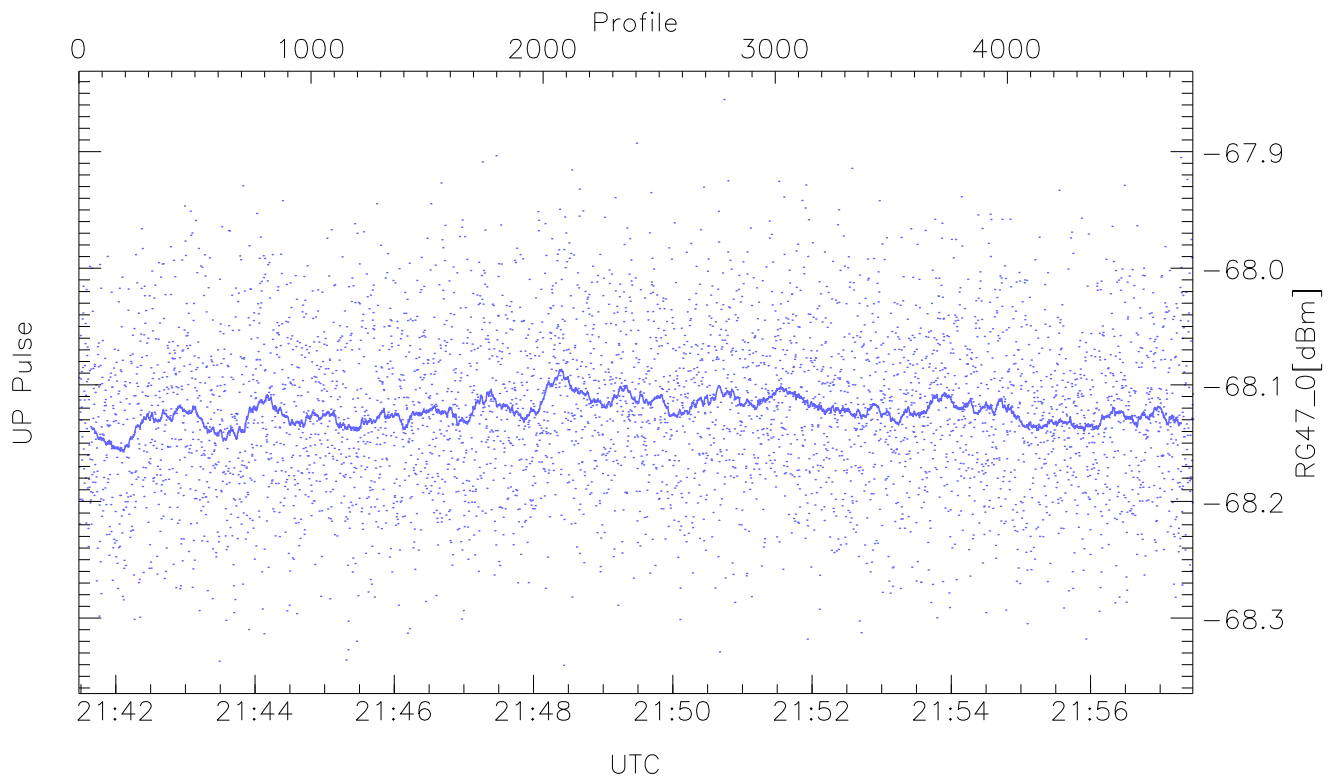
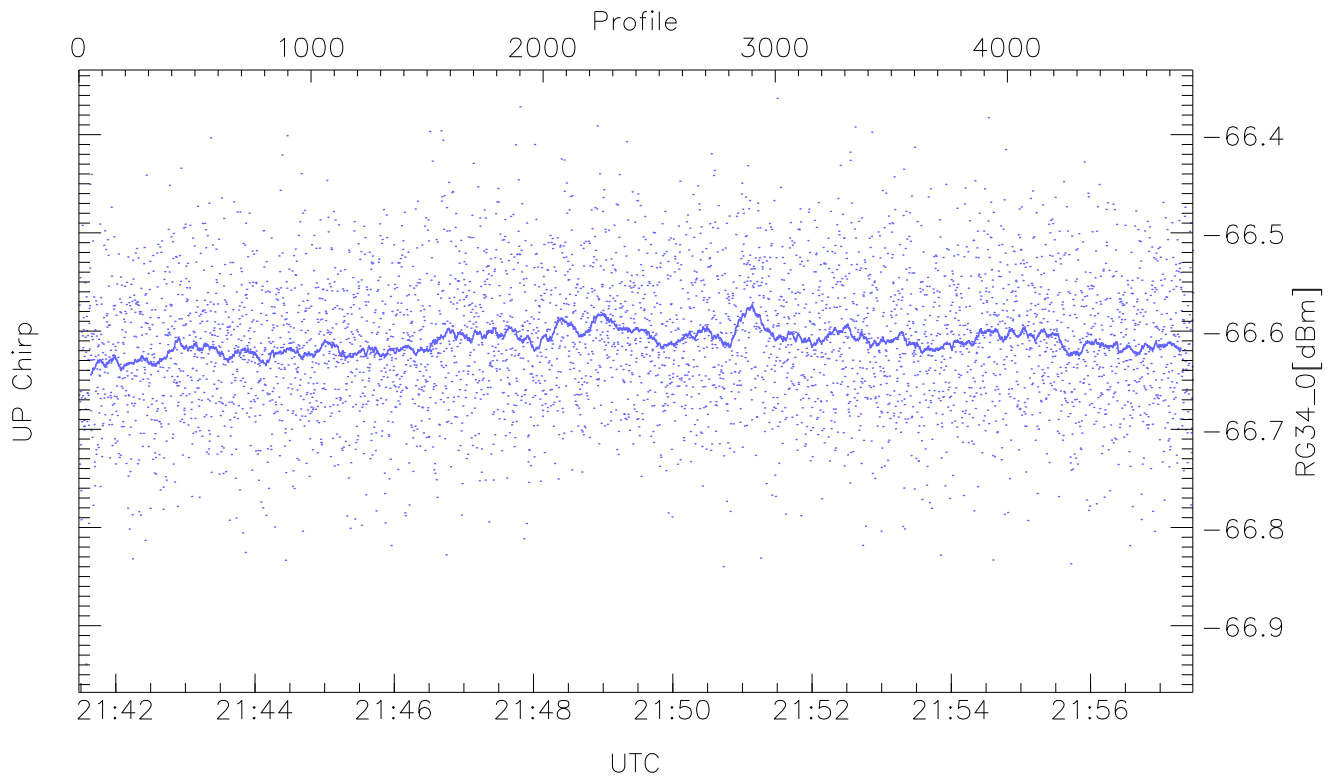
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.29	-64.77	-65.03	-65.03	-82.90
Chirp(HL [dBm])	-61.85	-61.38	-61.57	-61.57	-80.57
Pulse(WL [dBm])	-66.41	-65.92	-66.16	-66.16	-84.07
Pulse(HL [dBm])	-63.52	-63.14	-63.33	-63.33	-82.31



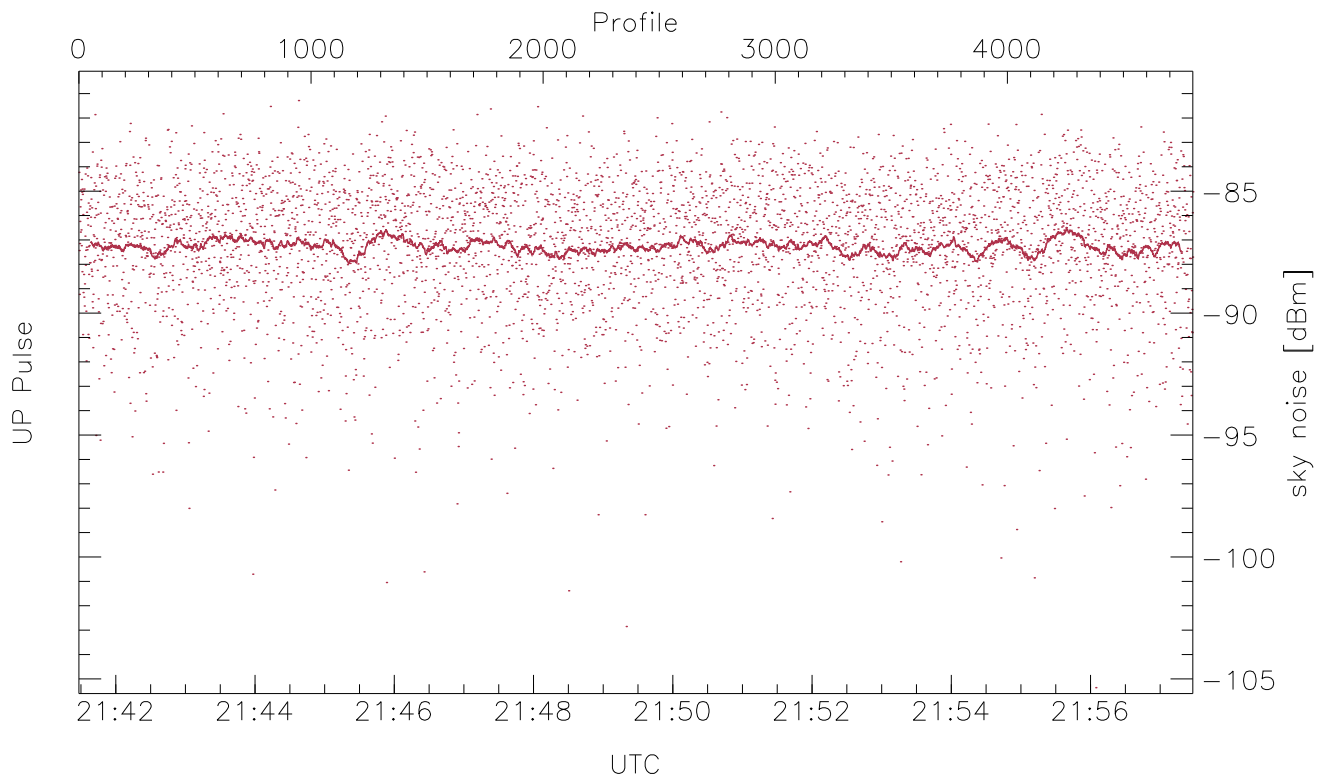
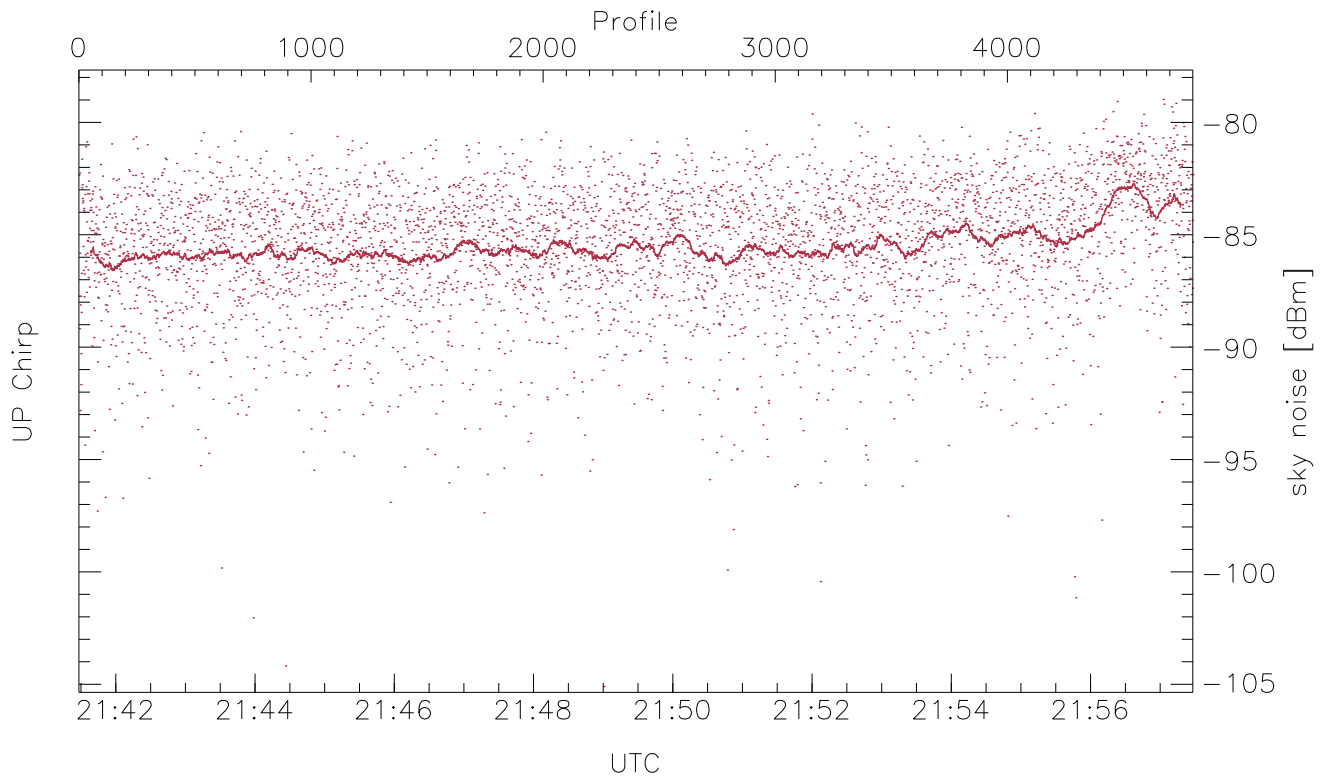
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.86	-66.35	-66.59	-66.59	-84.22
UP Pulse(dBm)	-68.40	-67.88	-68.12	-68.12	-85.91



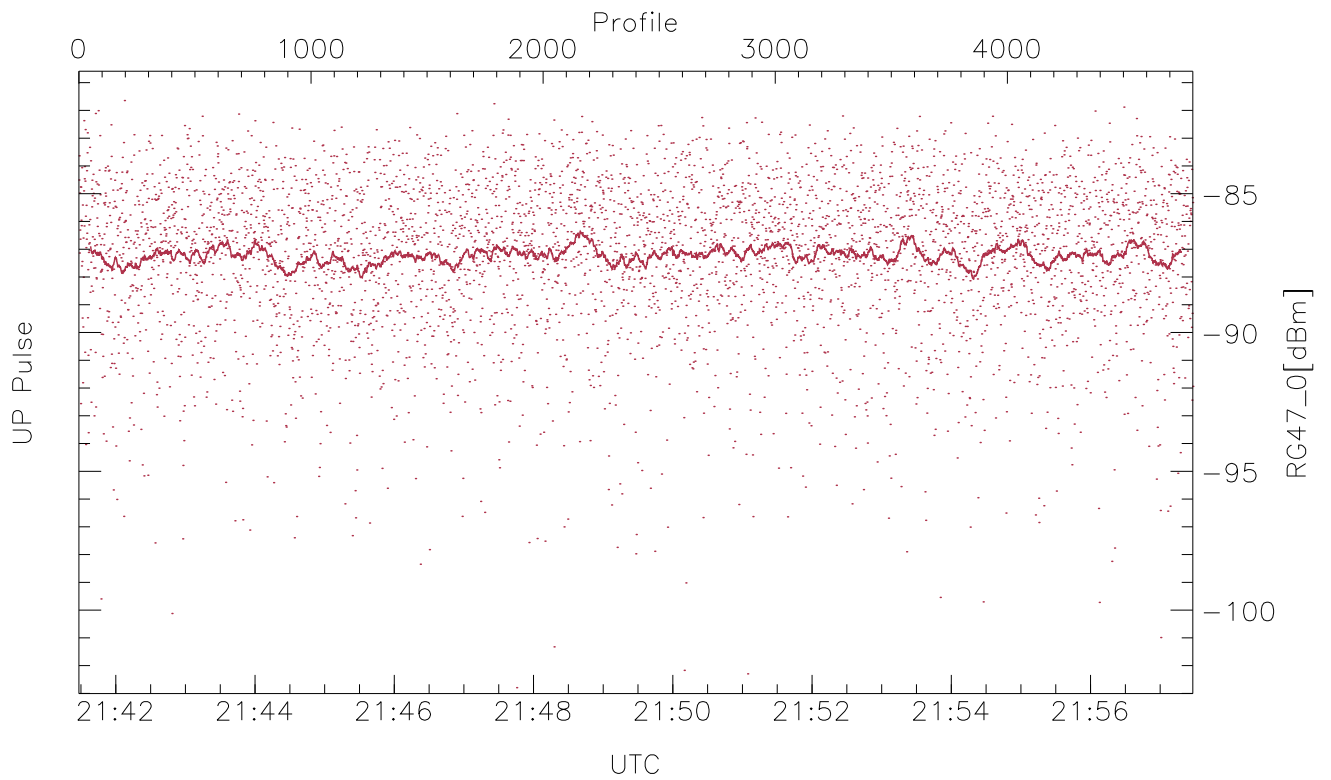
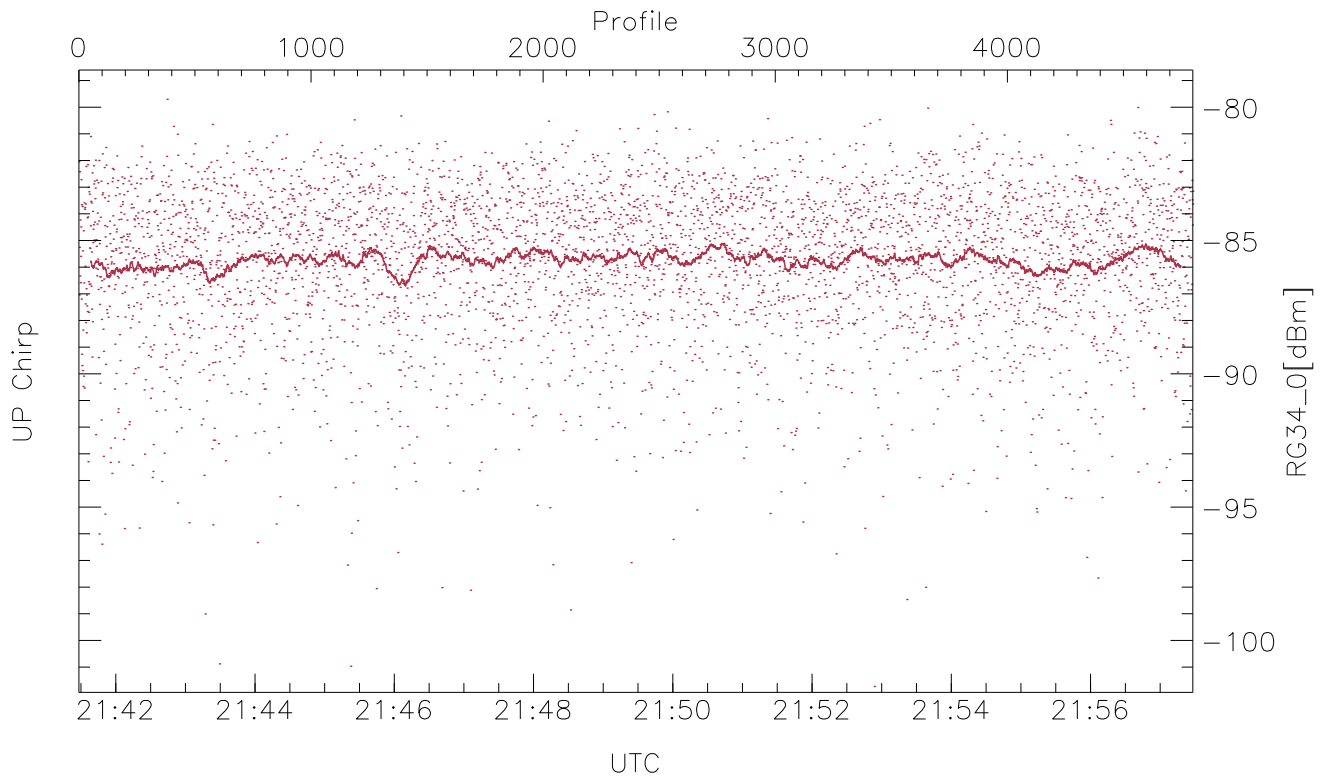
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG34_0	-66.94	-66.36	-66.61	-66.61	-84.51
UP_P_RG47_0	-68.34	-67.86	-68.12	-68.12	-86.00



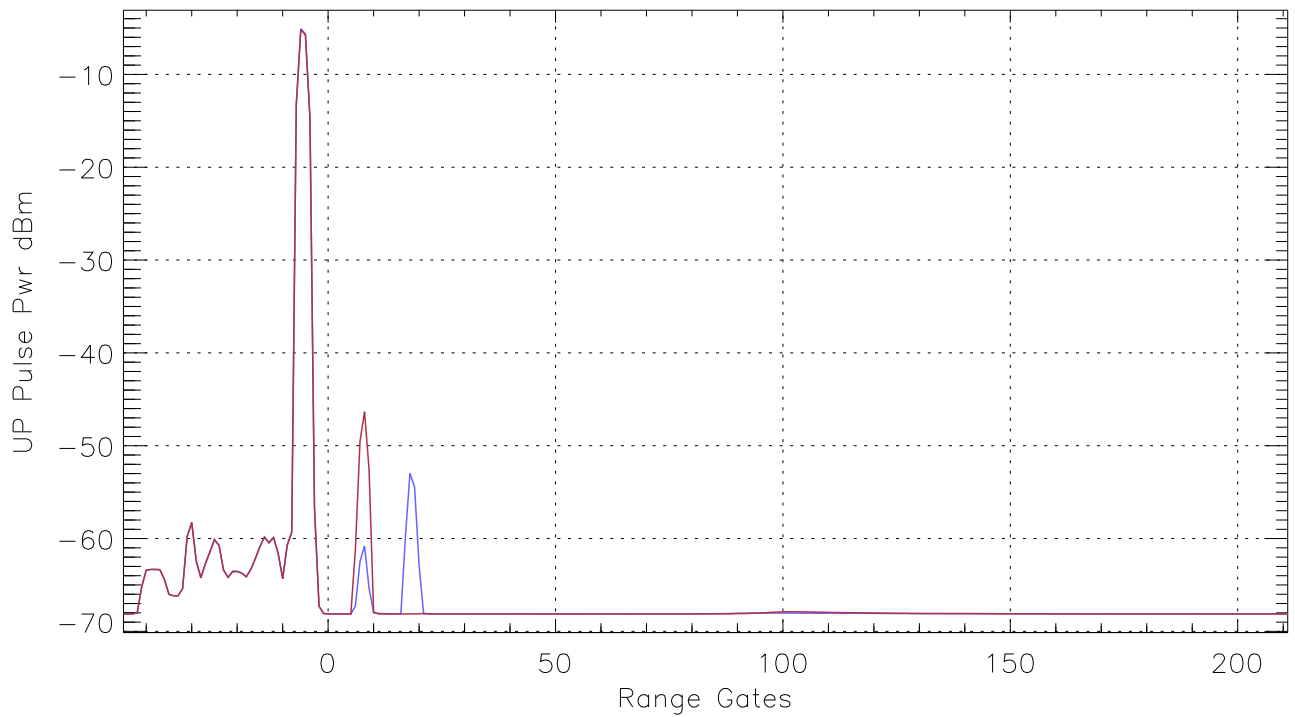
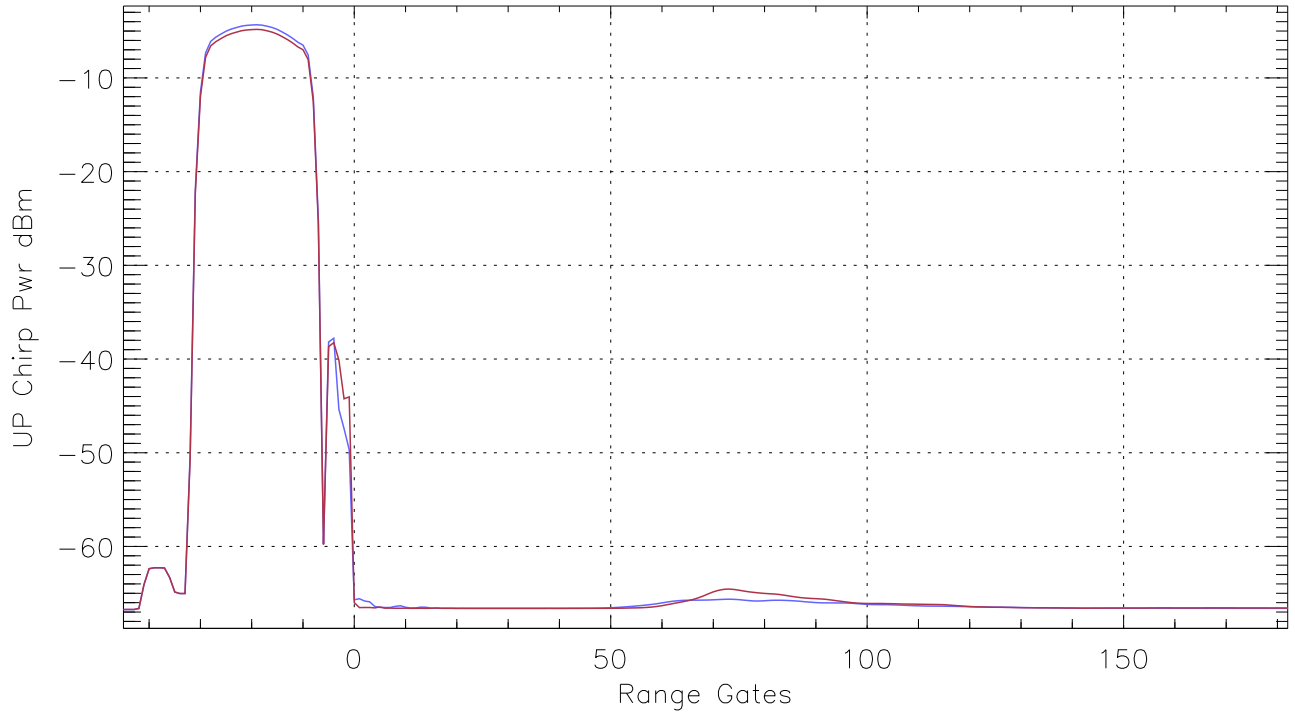
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-105.10	-78.98	-84.72	-85.08	-87.37
UP Pulse(dBm)	-105.36	-81.29	-86.56	-86.85	-89.37

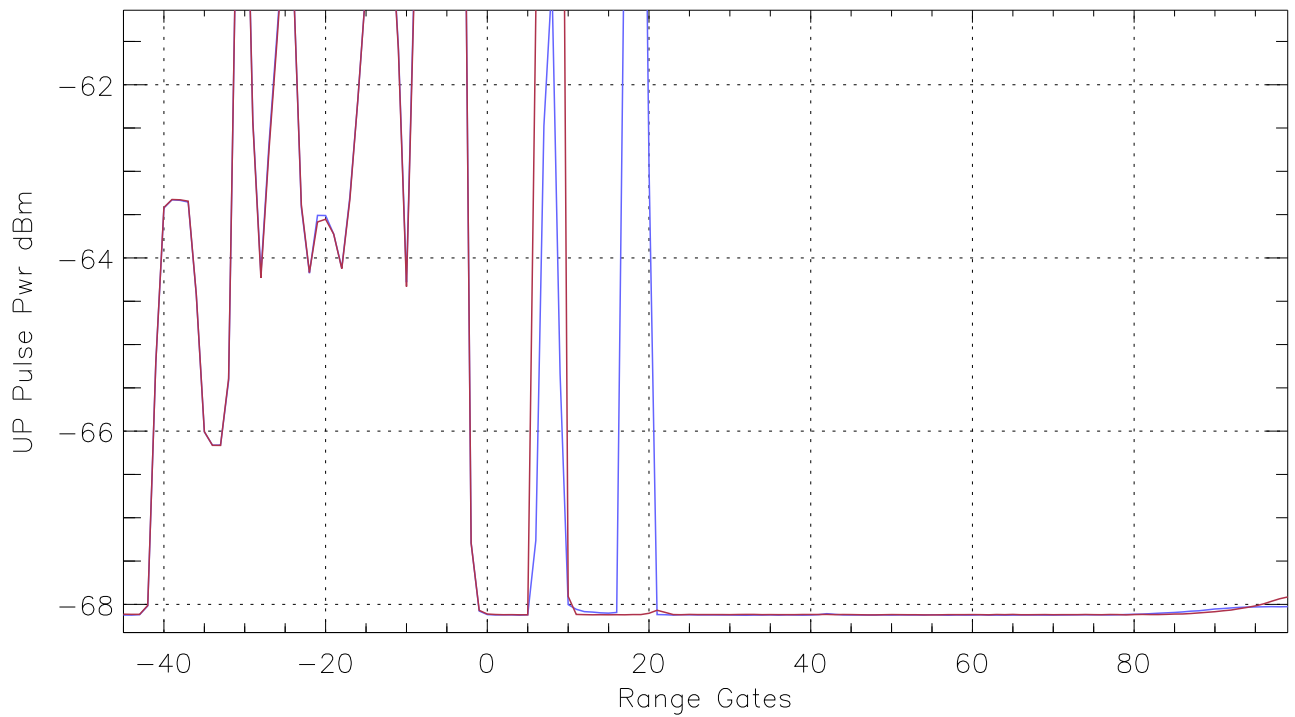
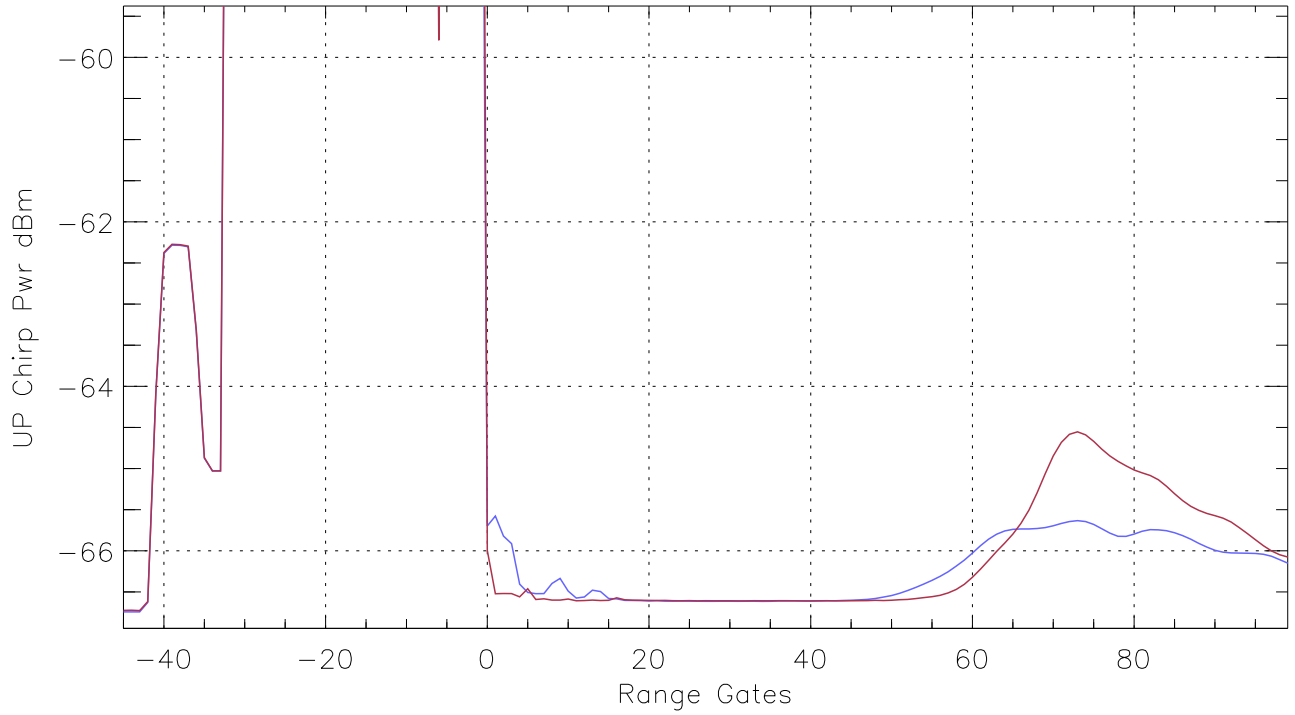


KPR SPP "Best" PPMAG noise (dBm):

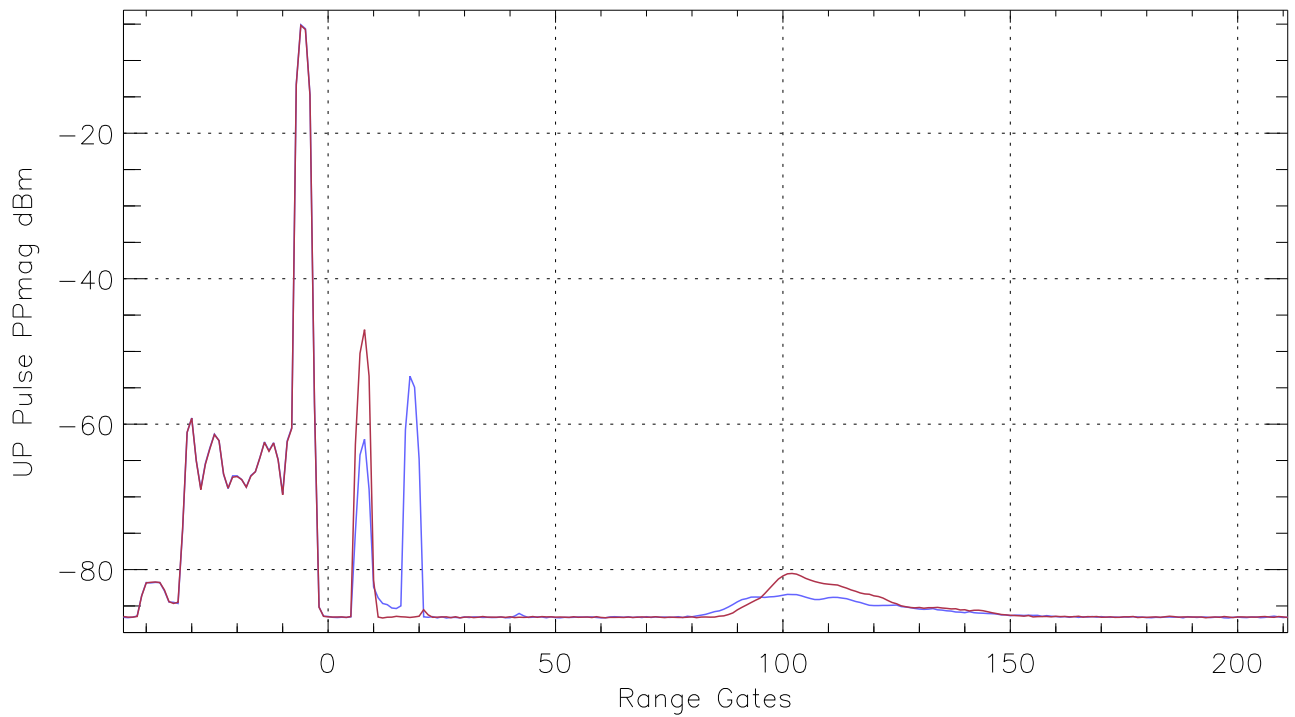
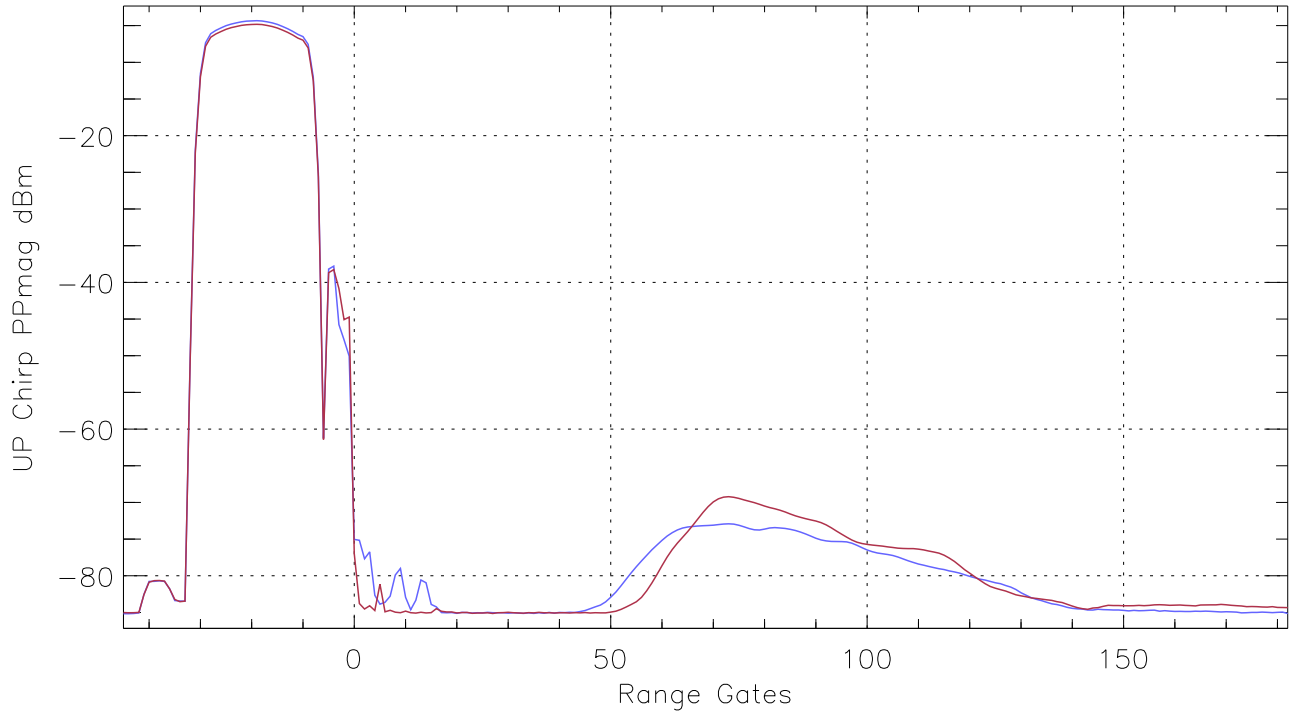
	Min	Max	Mean	Median	StDev
UP_C_RG34_0	-101.73	-79.71	-85.04	-85.31	-87.92
UP_P_RG47_0	-102.79	-81.65	-86.49	-86.75	-89.30



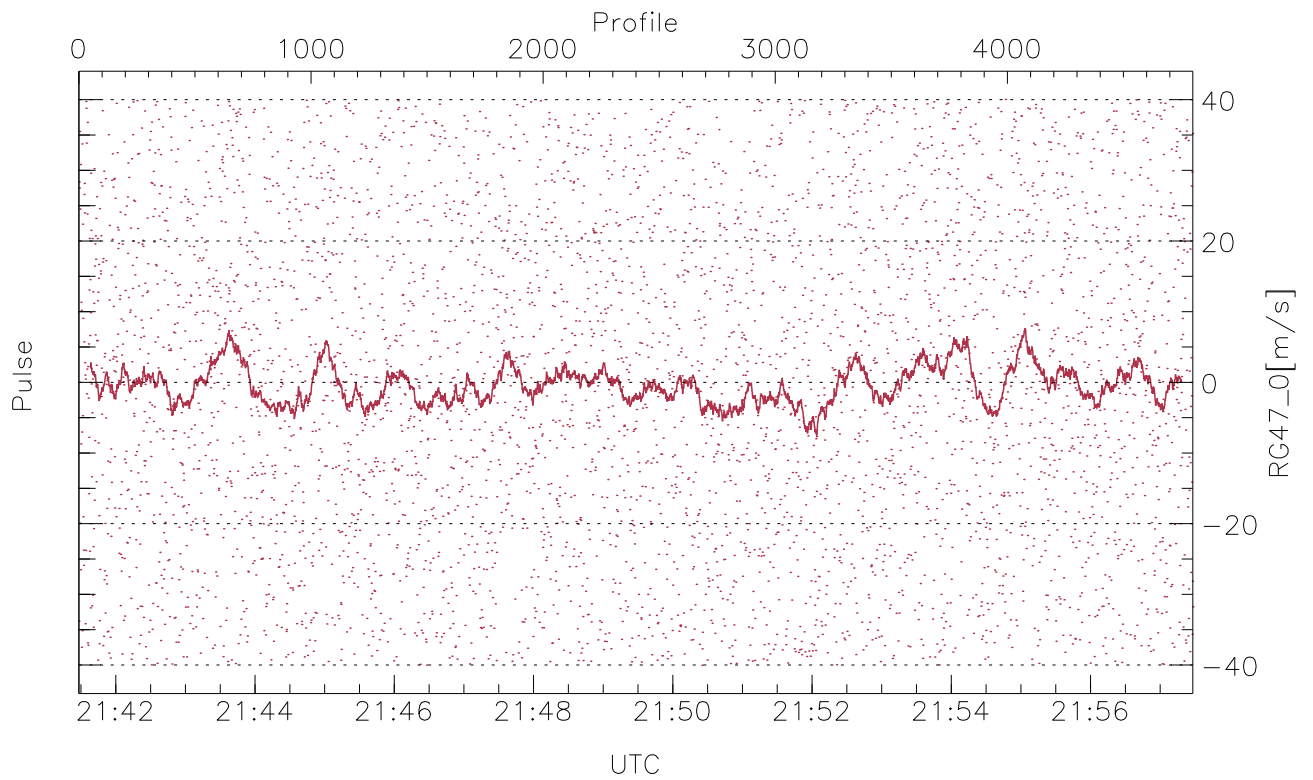
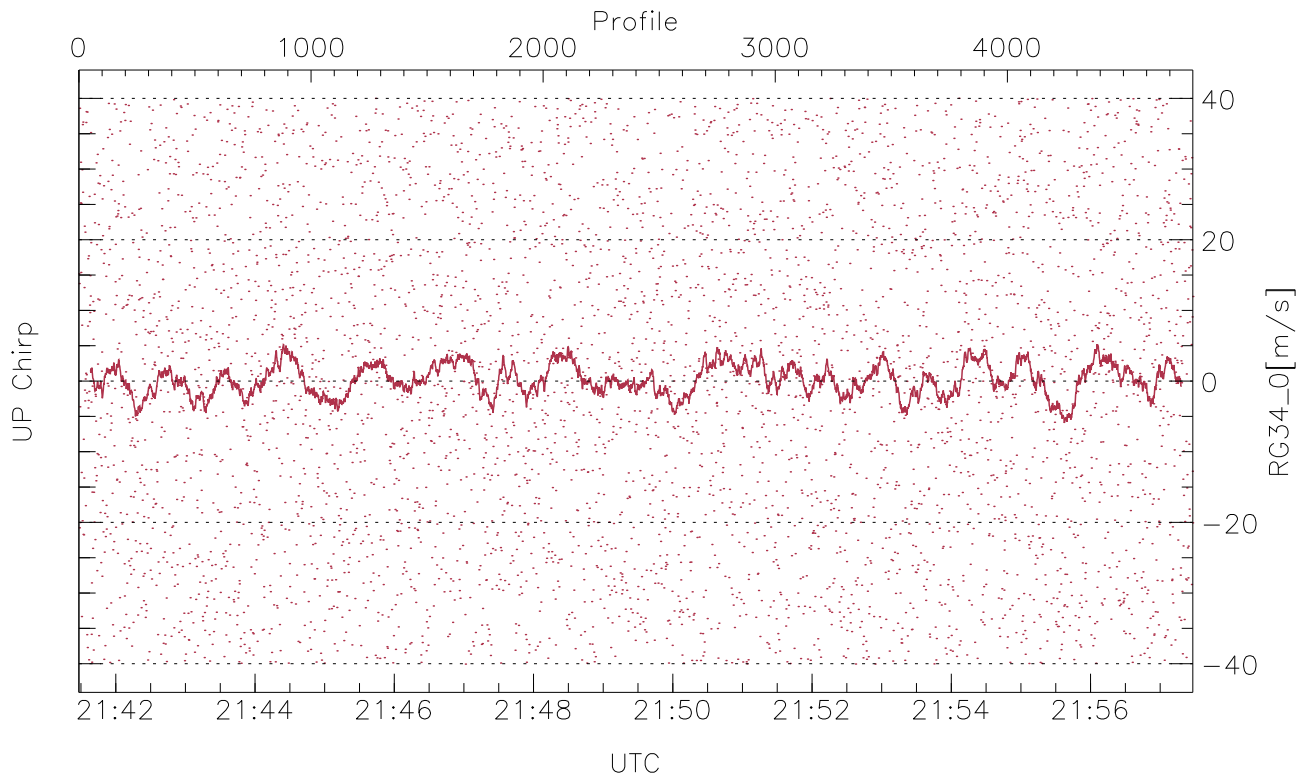
KPR SPP Averaged Received power for all recorded gates
blue: 214128-214928, 2401 profiles averaged
red: 214928-215728, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 214128-214928, 2401 profiles averaged
red: 214928-215728, 2400 profiles averaged

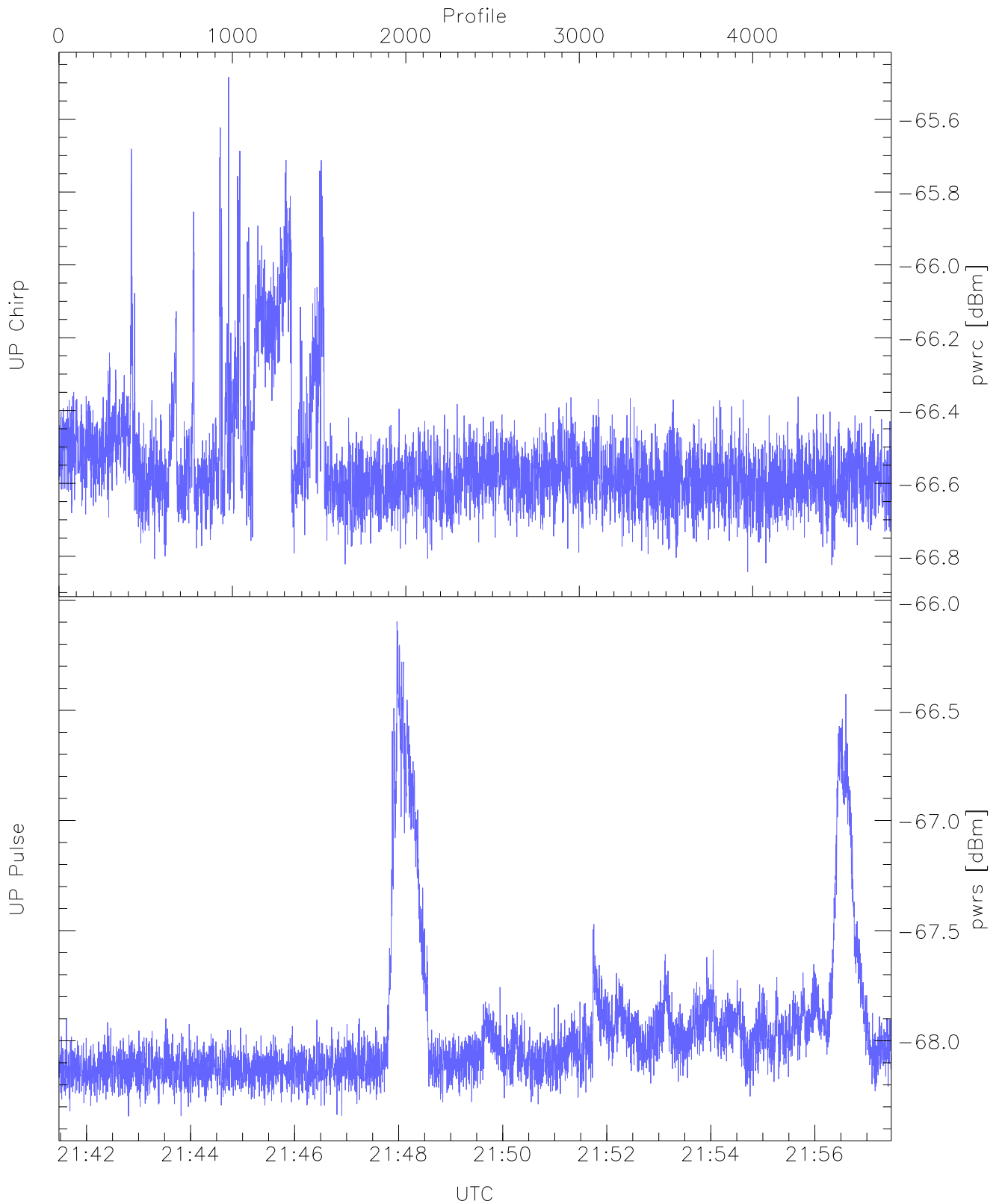


KPR SPP Averaged PP magnitude for all recorded gates
blue: 214128-214928, 2401 profiles averaged
red: 214928-215728, 2400 profiles averaged



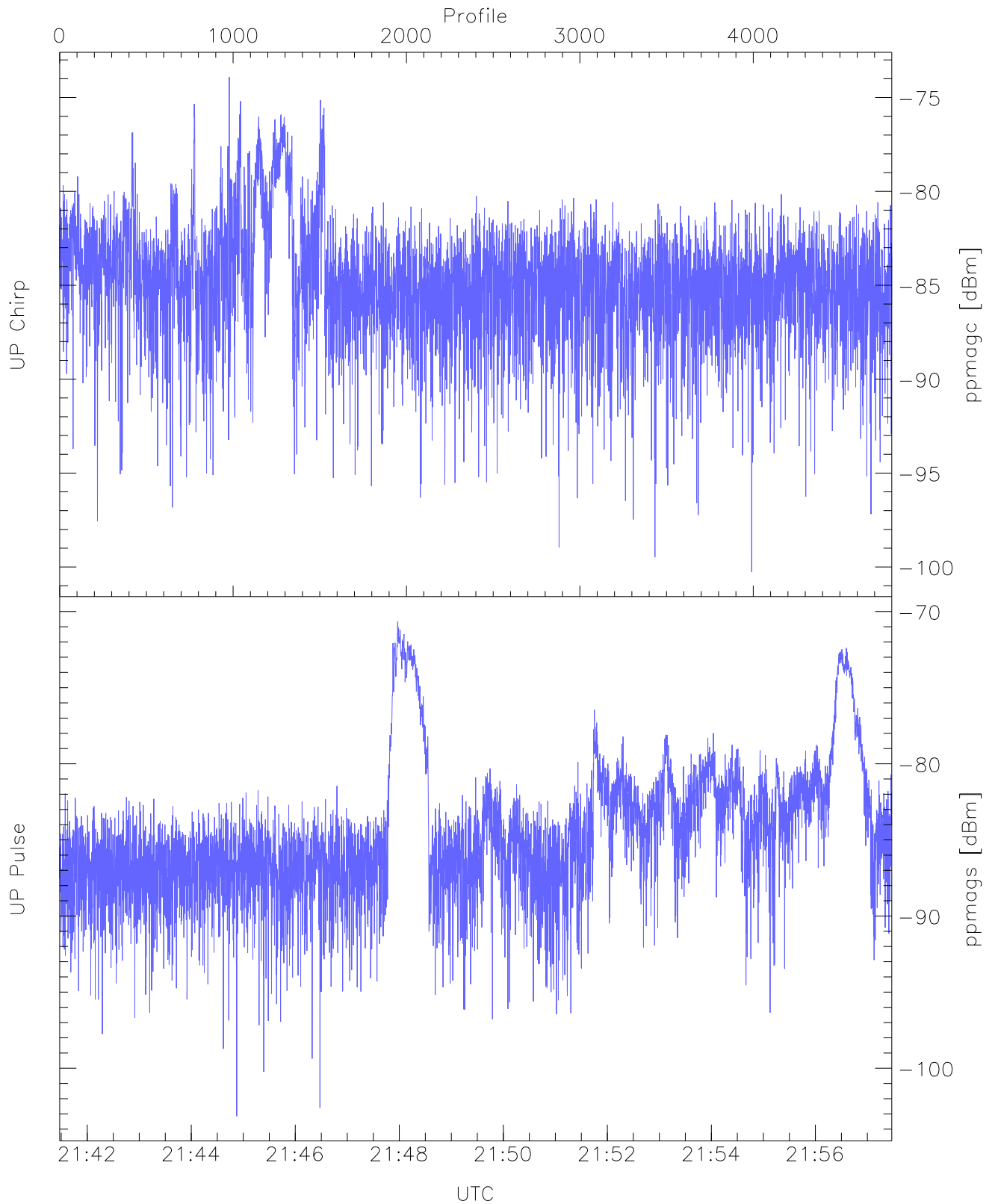
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG34_0	-40.05	40.01	0.20	0.42	22.89
UP_P_RG47_0	-40.04	40.02	-0.44	-0.73	22.47



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

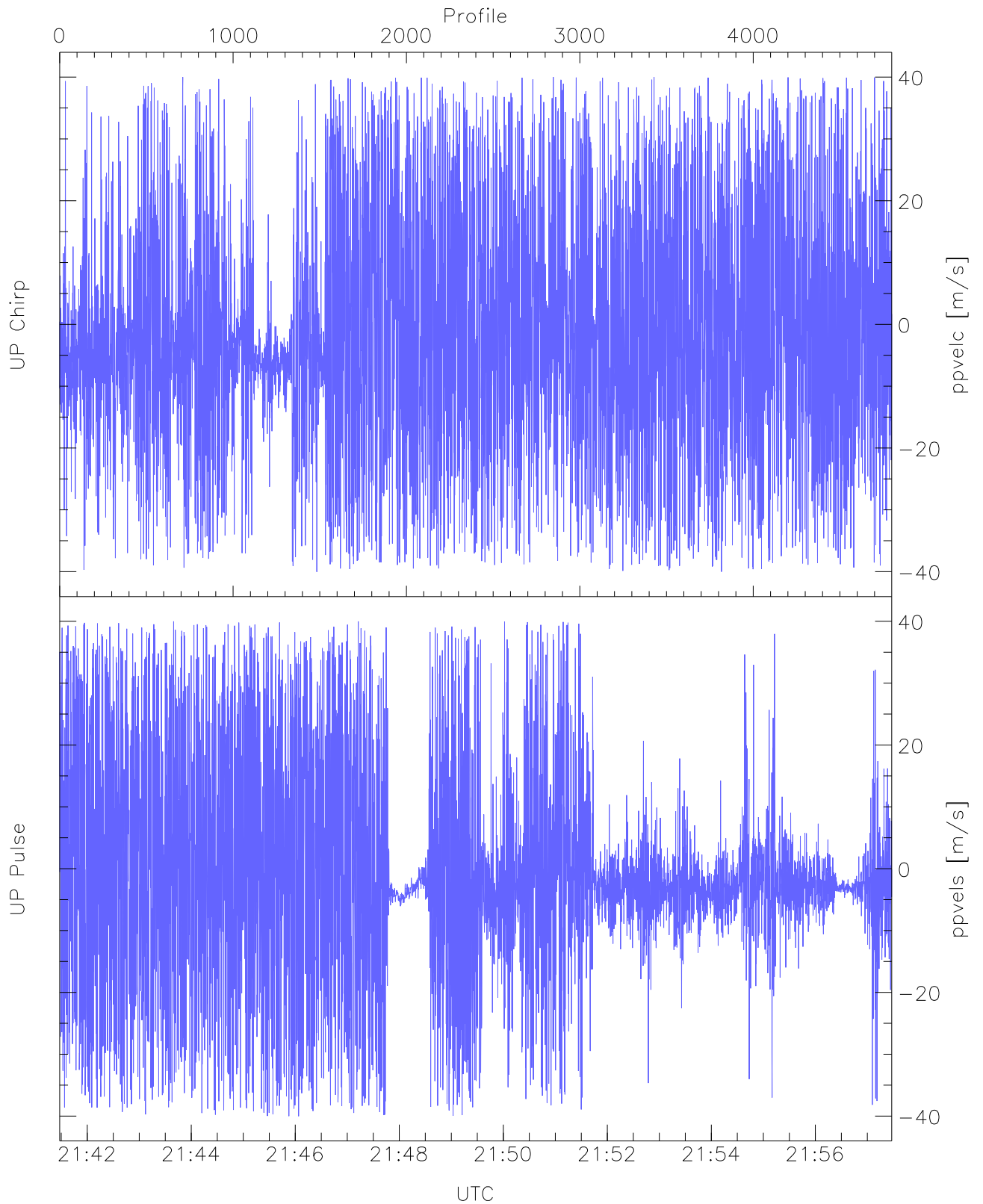
	Min	Max	Mean
UP Chirp(dBm)	-66.84	-65.48	-66.54
UP Pulse(dBm)	-68.34	-66.10	-67.96



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

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

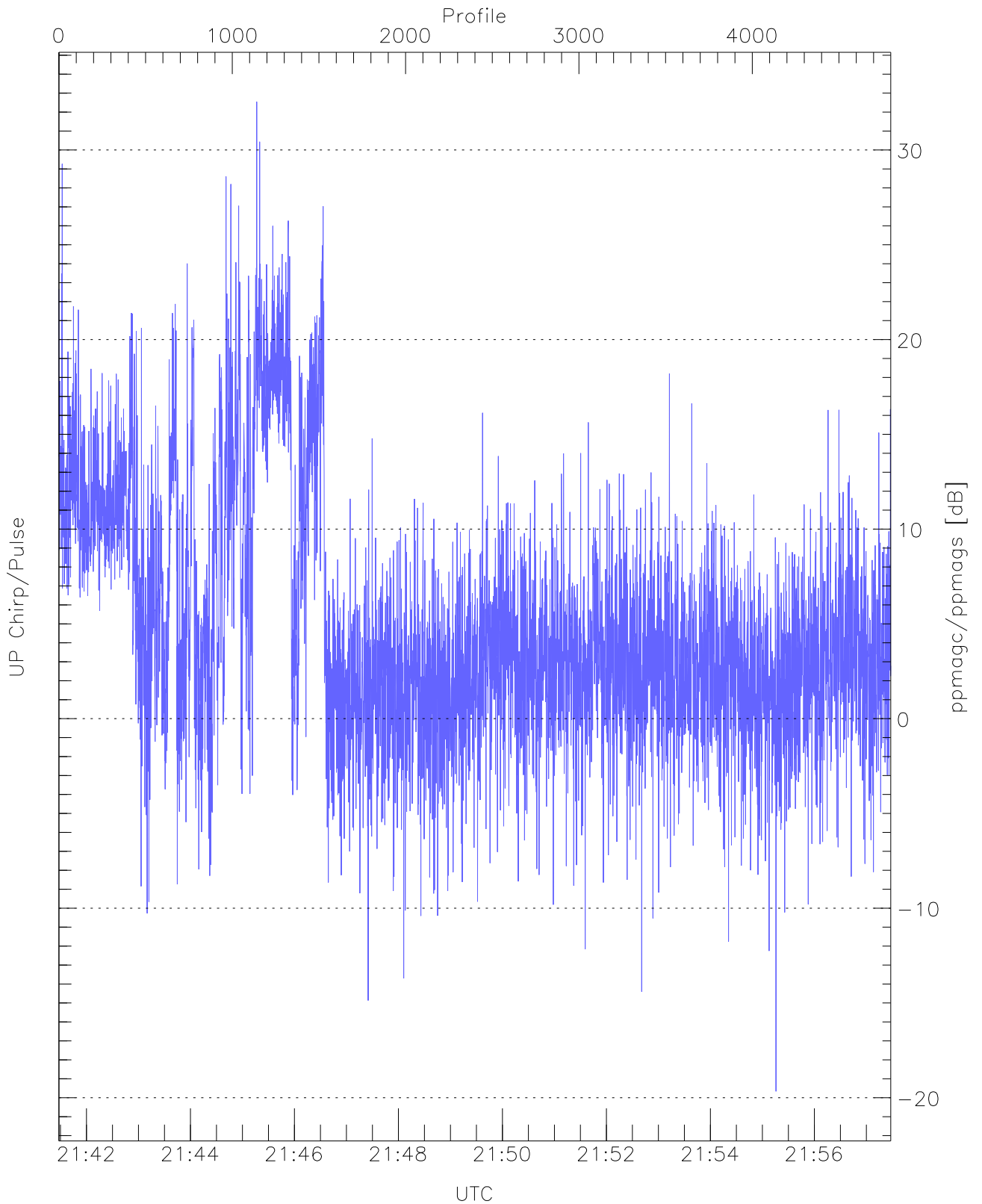
	Min	Max	Mean
UP Chirp(dBm)	-100.26	-73.91	-83.77
UP Pulse(dBm)	-103.15	-70.64	-81.93



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	40.00	-1.77
UP Pulse(m/s)	-40.02	39.99	-1.15



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-19.67	32.54	10.96