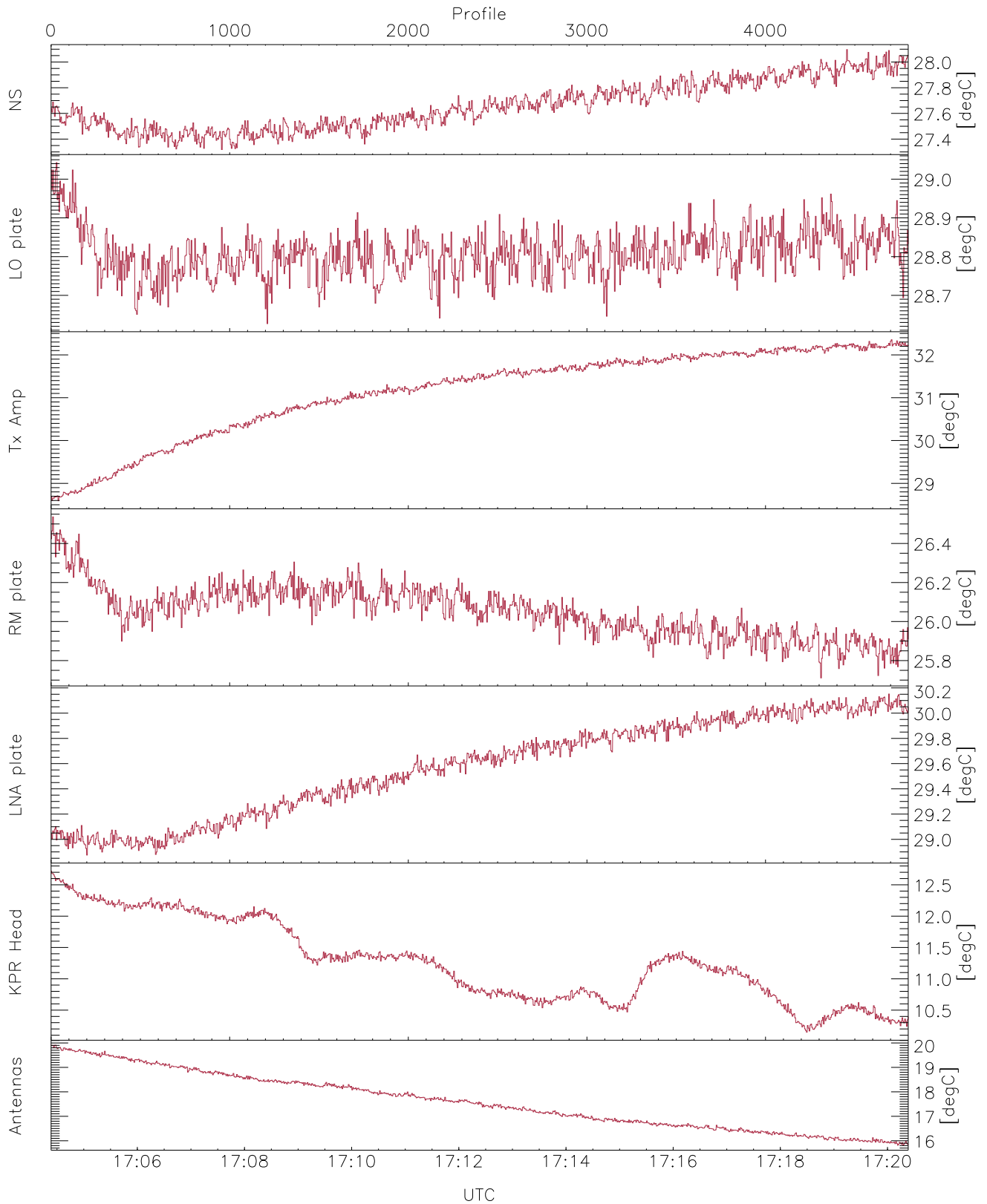


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 17:04:23-17:28:30, TimeCor: 0.00s, Dur: 959.80s
 TimeInt(min,max,mn,std): 187.4,212.6,200.0,1.0 ms; PPS: 5.0
 NumRec(r/t): 4800/7234, 0-4799/17:04:23-17:20:23
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 95.1 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, avgPulses: 4000, avgPP: 3999
 NyquistVel: 42.1 m/s, RangeRes:30.0 m
 Pulse Range(min,max): 120, 6506 m, Gates: 427
 Chirp Range(min,max): 536, 6487 m, Gates: 398
 RangeGateSampling: 15.0 m, Aspect: 0.8

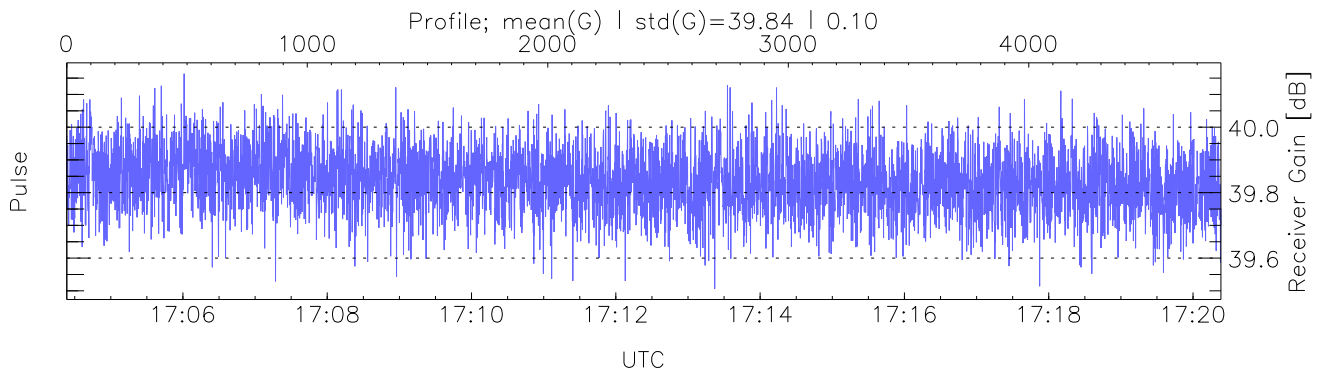
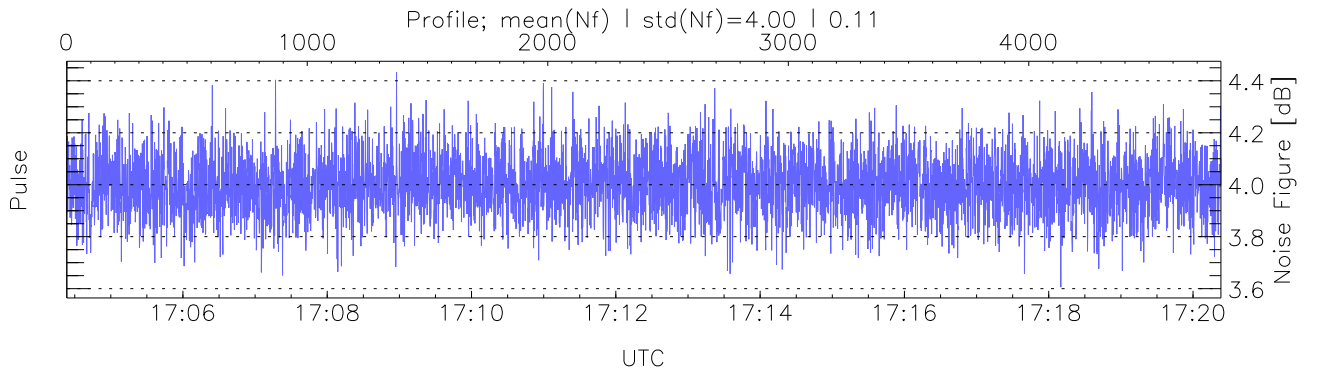
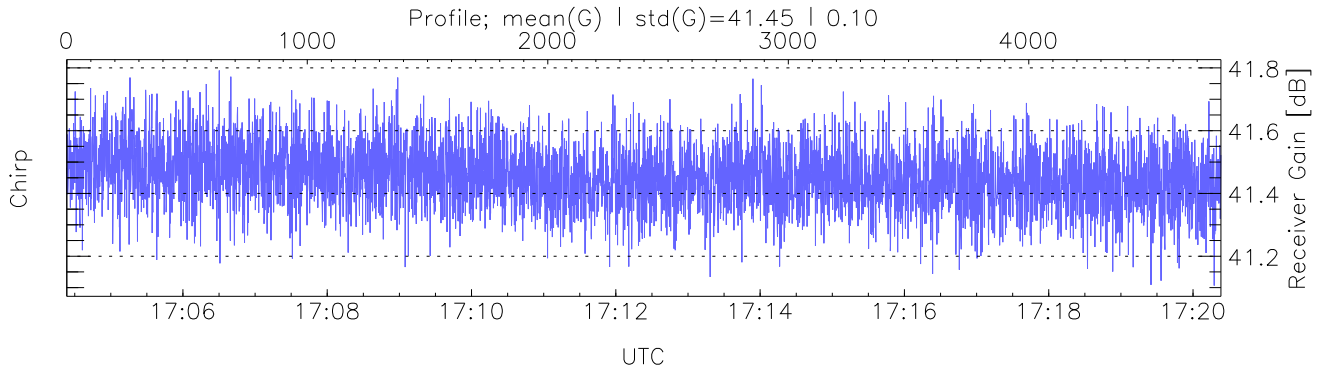
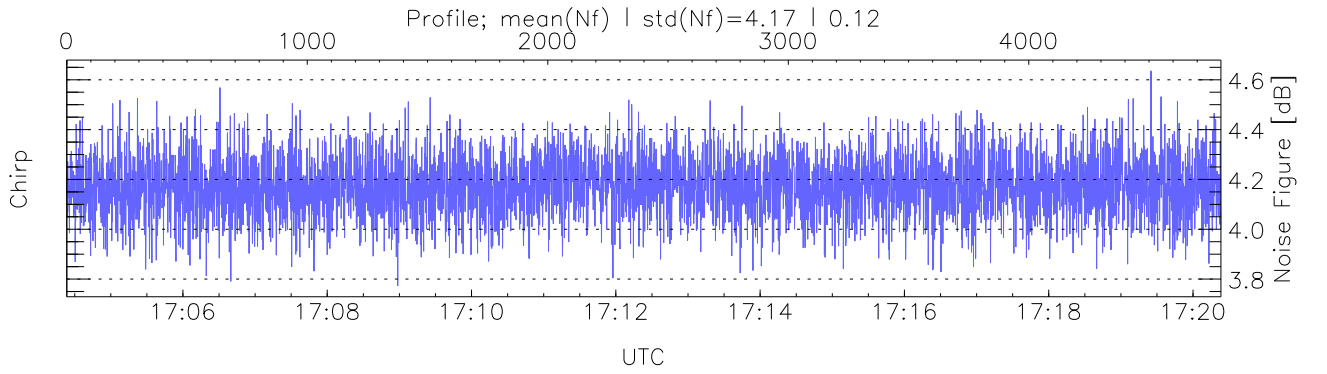


KPR SPP Temperatures, Power Supplies, PLO lock:

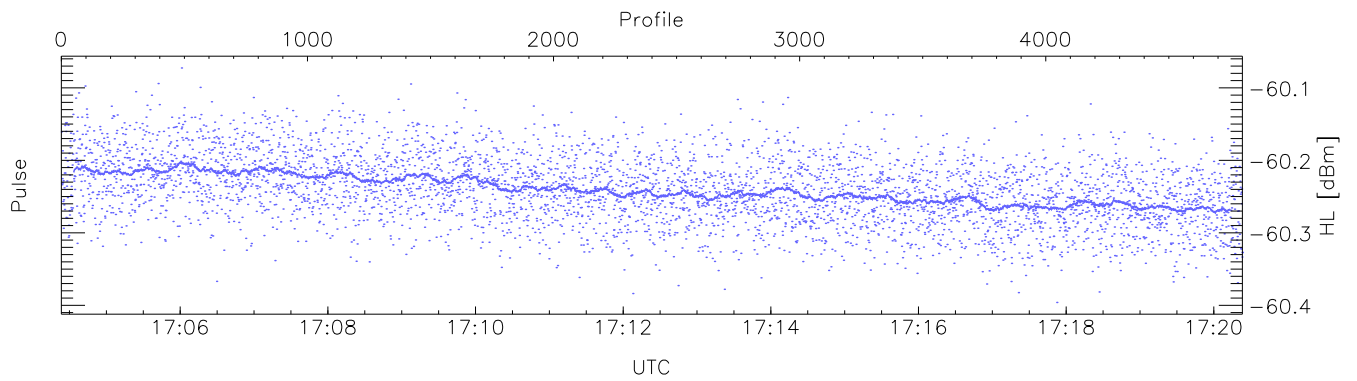
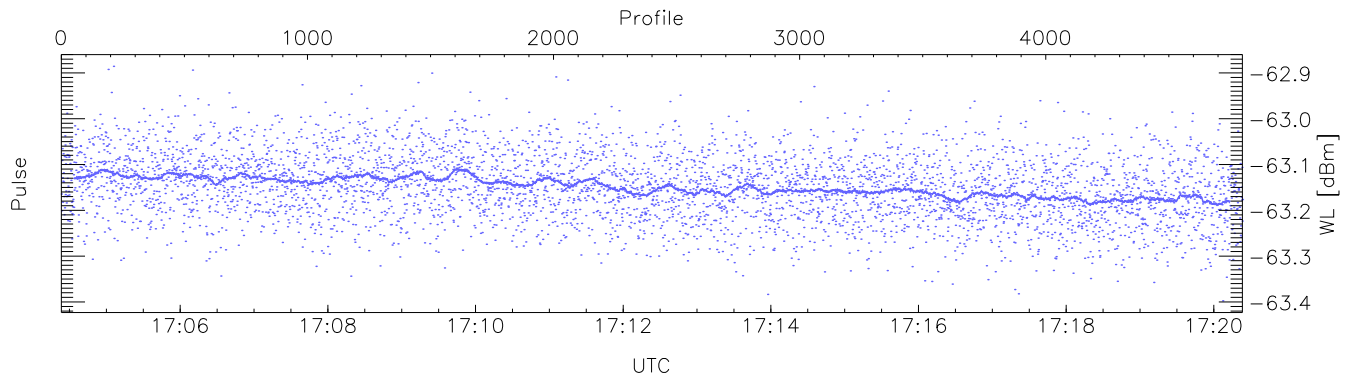
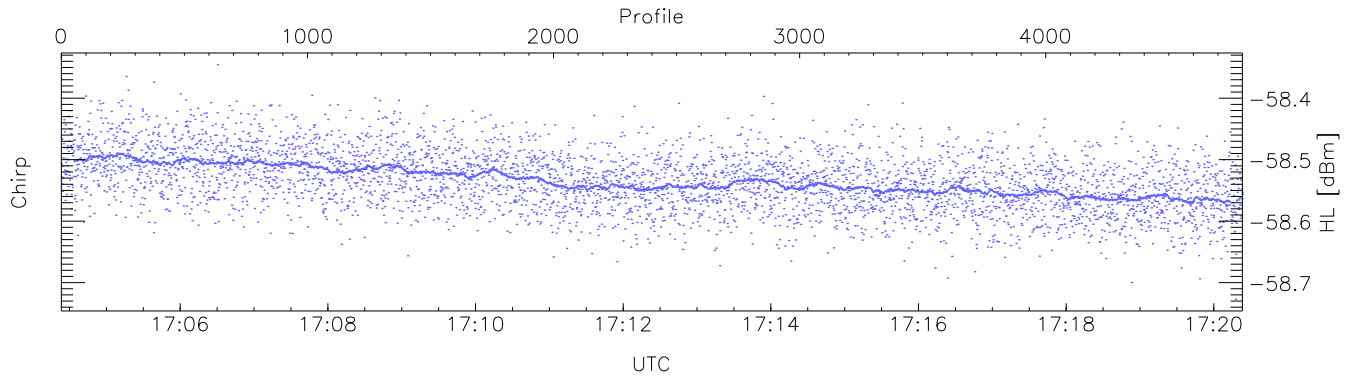
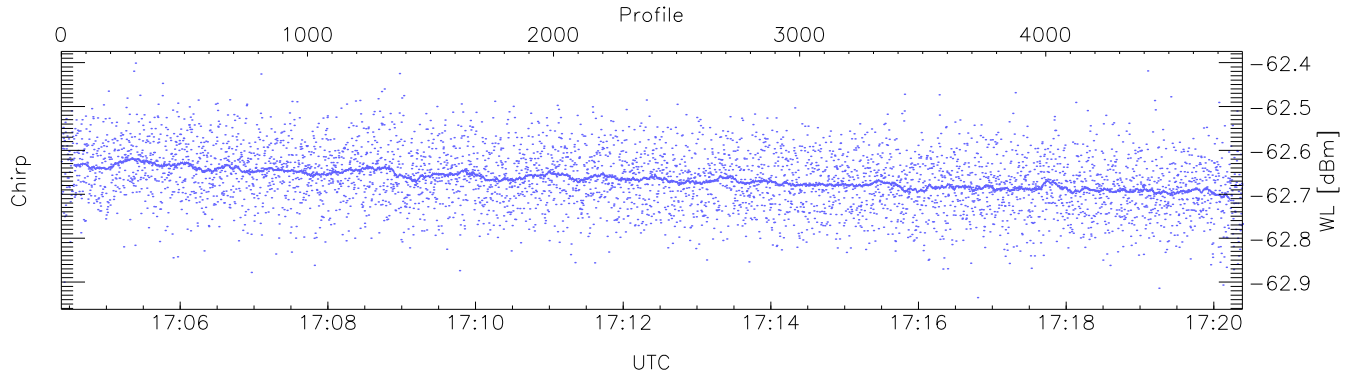
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	27.3,	28.6,	28.6,	25.7,	28.9,	10.1,	15.8
maxtempC:	28.1,	29.0,	32.4,	26.5,	30.2,	12.7,	19.9
meantempC:	27.7,	28.8,	31.1,	26.0,	29.6,	11.3,	17.6

PwrSply:	28,	12,	8,	5 VDC
minVDC:	26.28,	11.67,	7.87,	5.22
maxVDC:	27.75,	11.73,	7.90,	5.24
meanVDC:	27.08,	11.70,	7.88,	5.23

PLO(3.84,15.84 GHz) unlocked: None

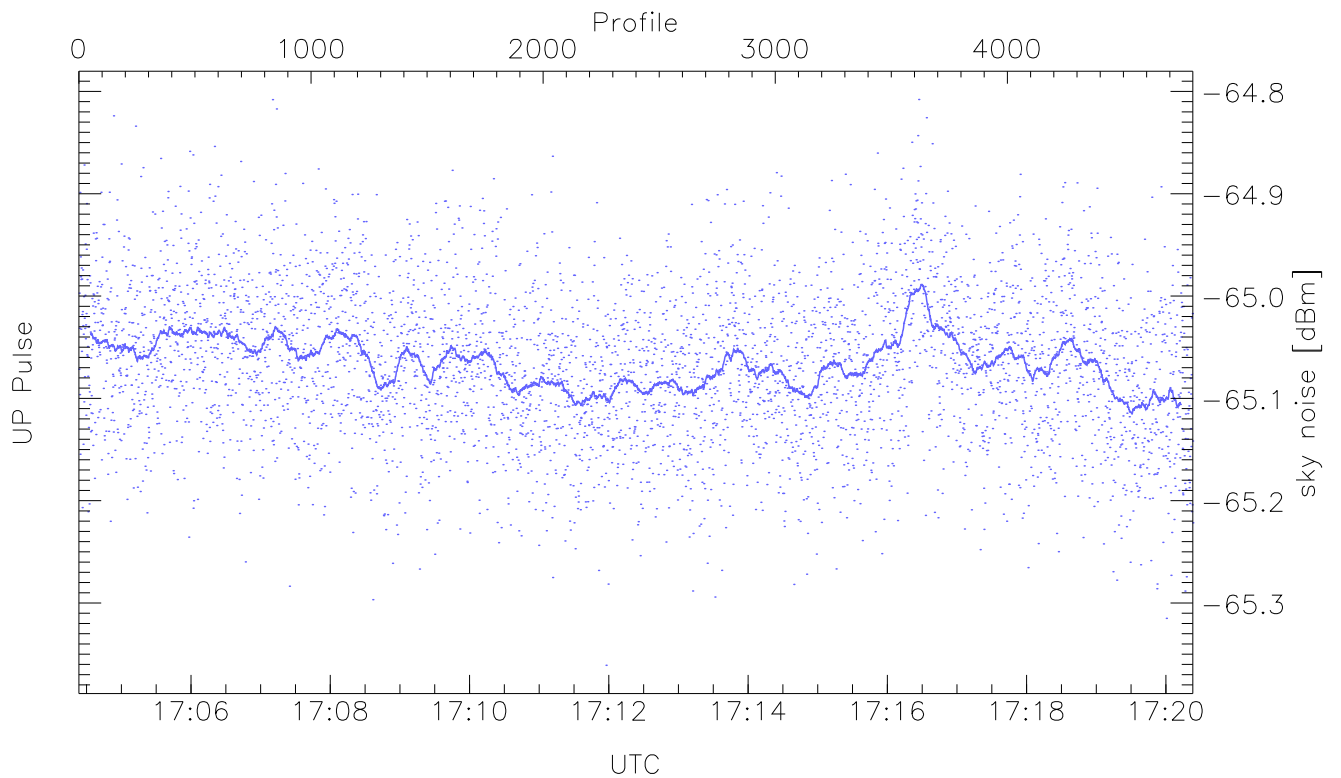
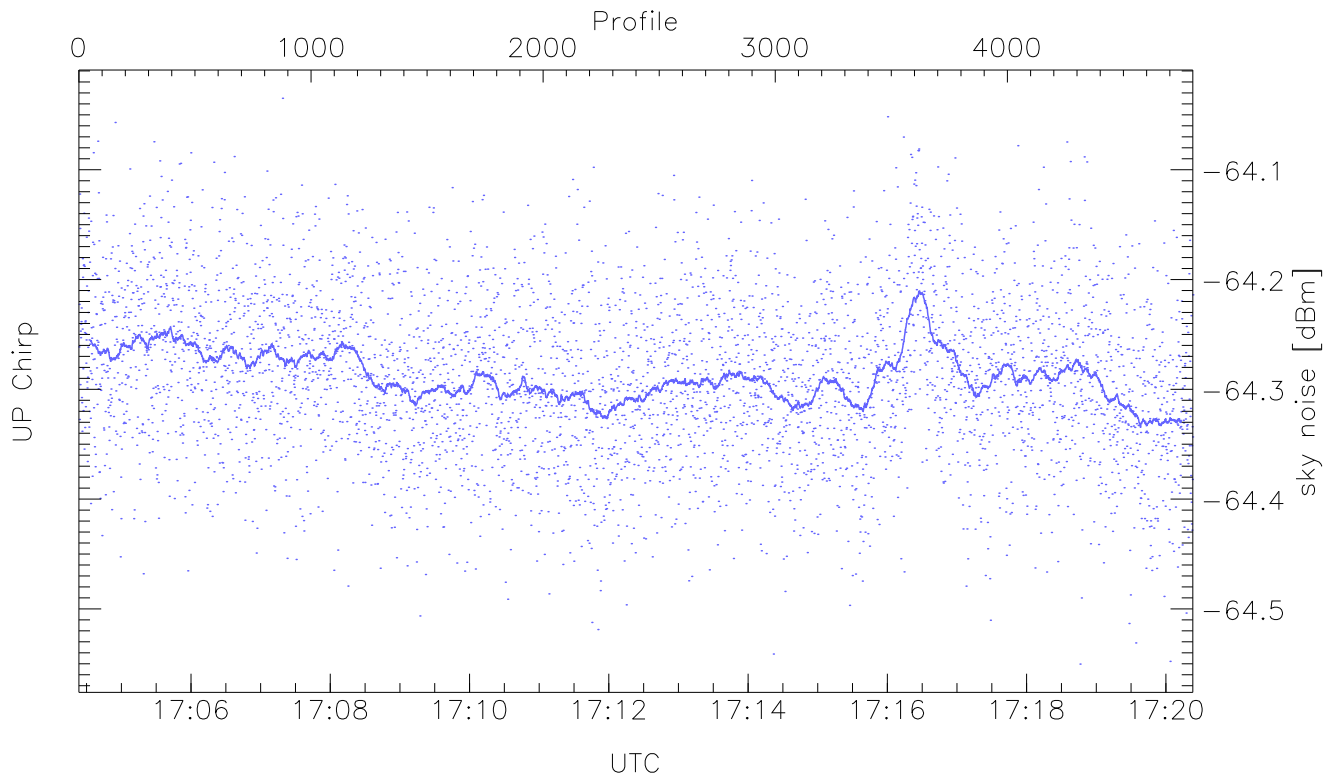


KPR SPP Receiver Gain and Noise Figure



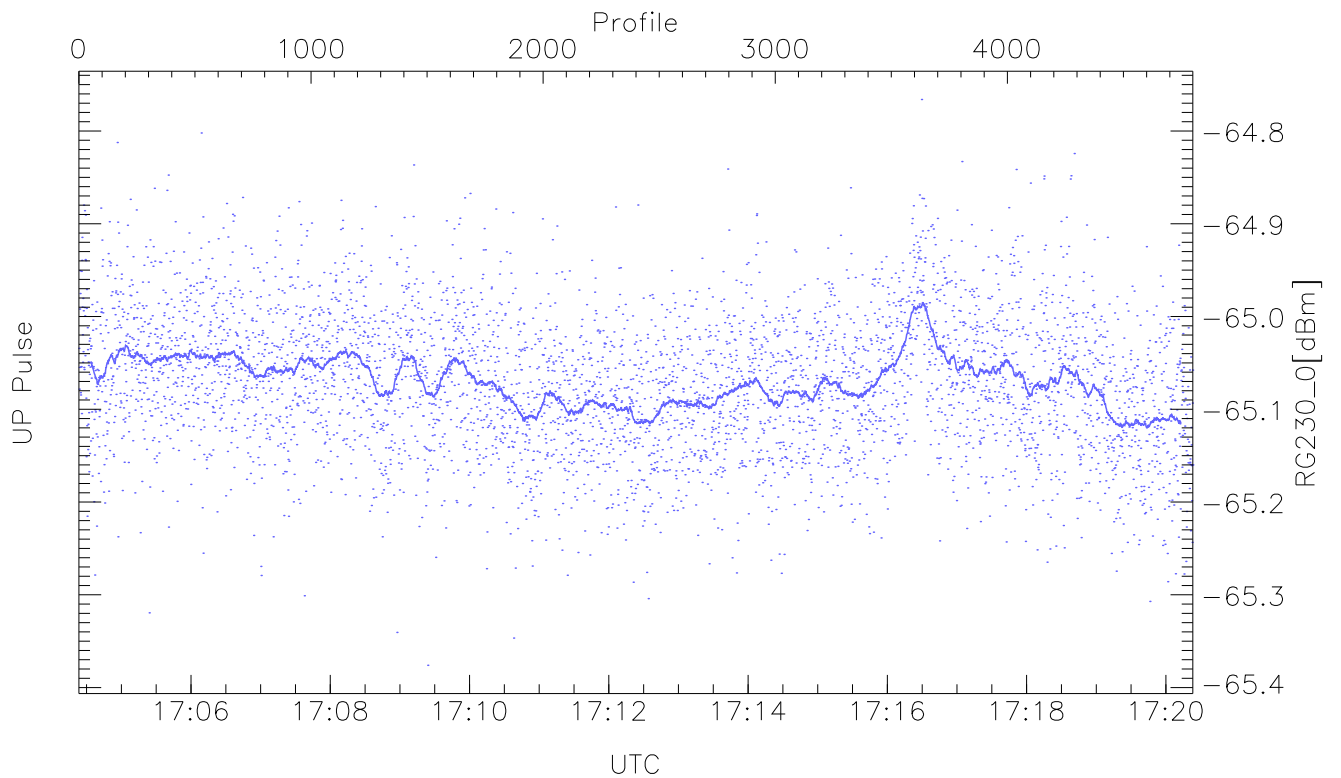
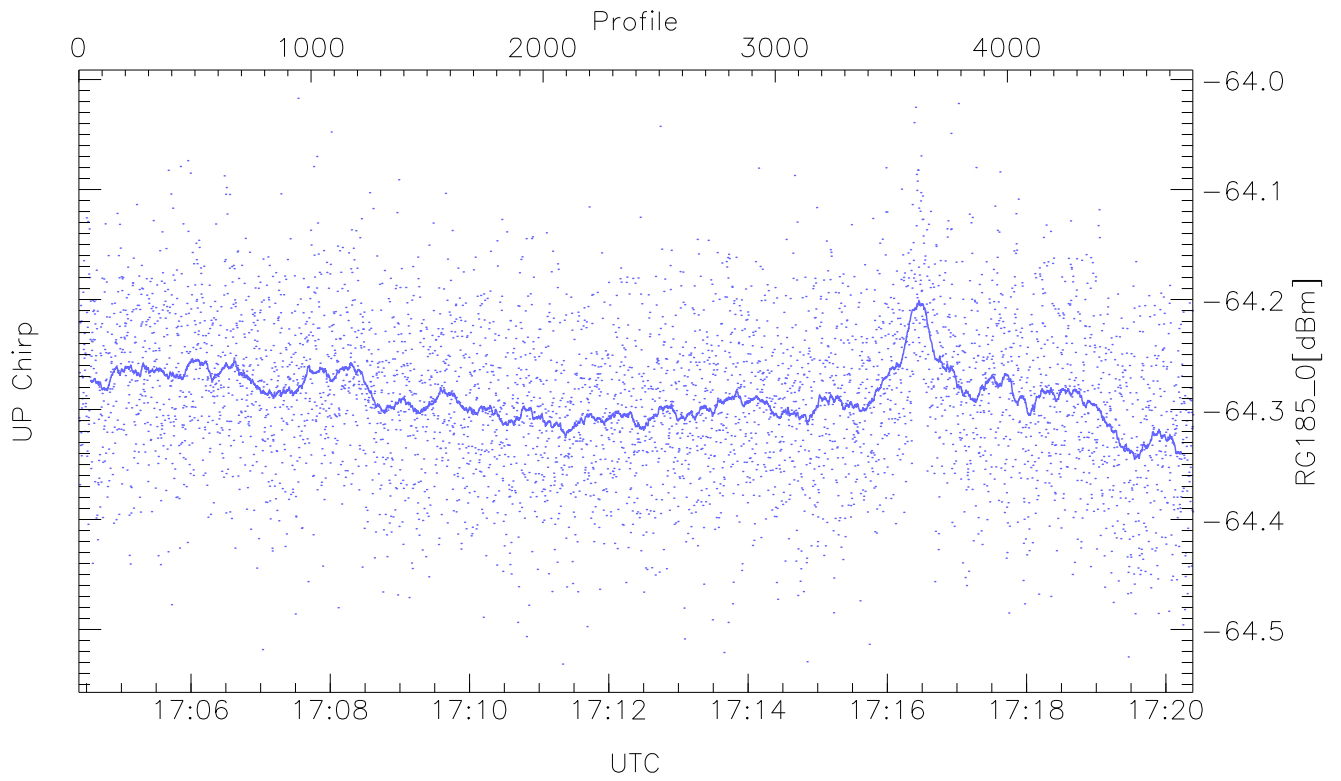
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.94	-62.40	-62.67	-62.67	-80.55
Chirp(HL [dBm])	-58.73	-58.35	-58.53	-58.54	-78.18
Pulse(WL [dBm])	-63.40	-62.89	-63.15	-63.15	-81.02
Pulse(HL [dBm])	-60.40	-60.07	-60.24	-60.24	-80.04



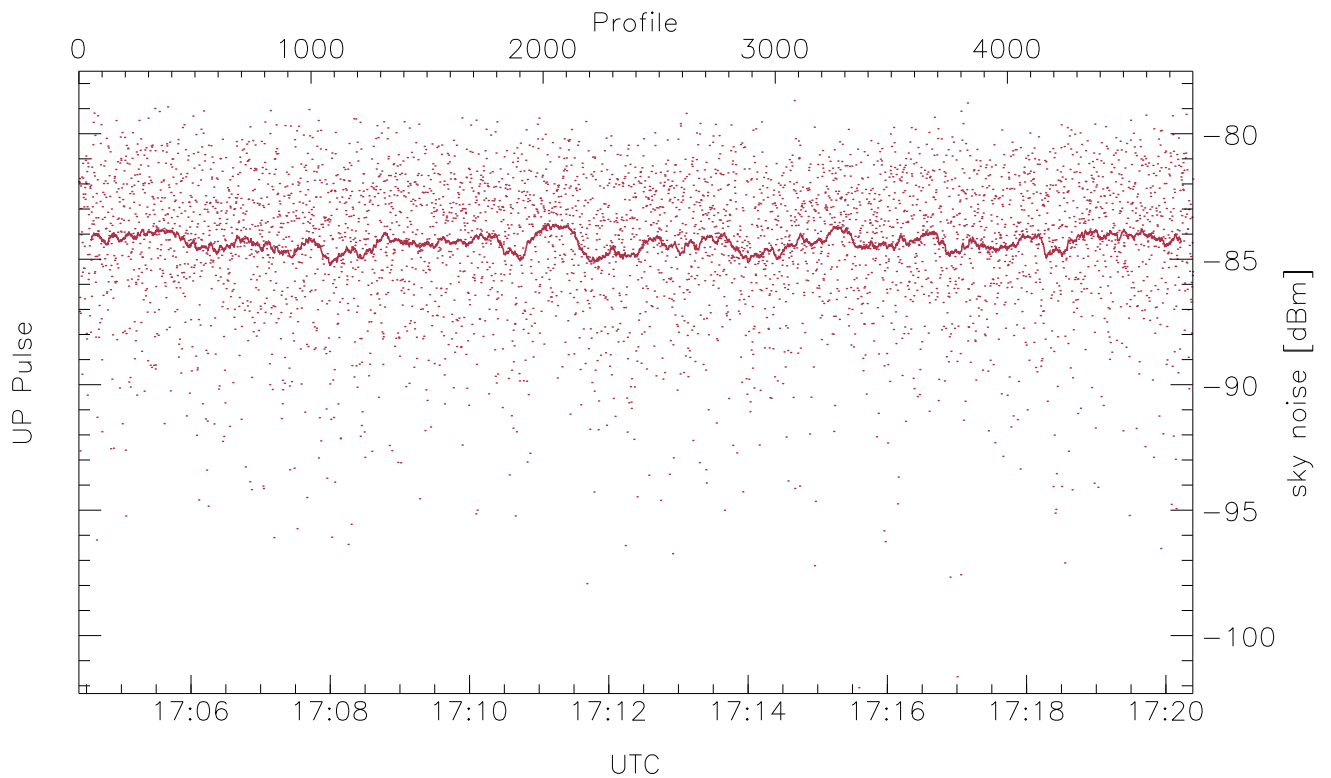
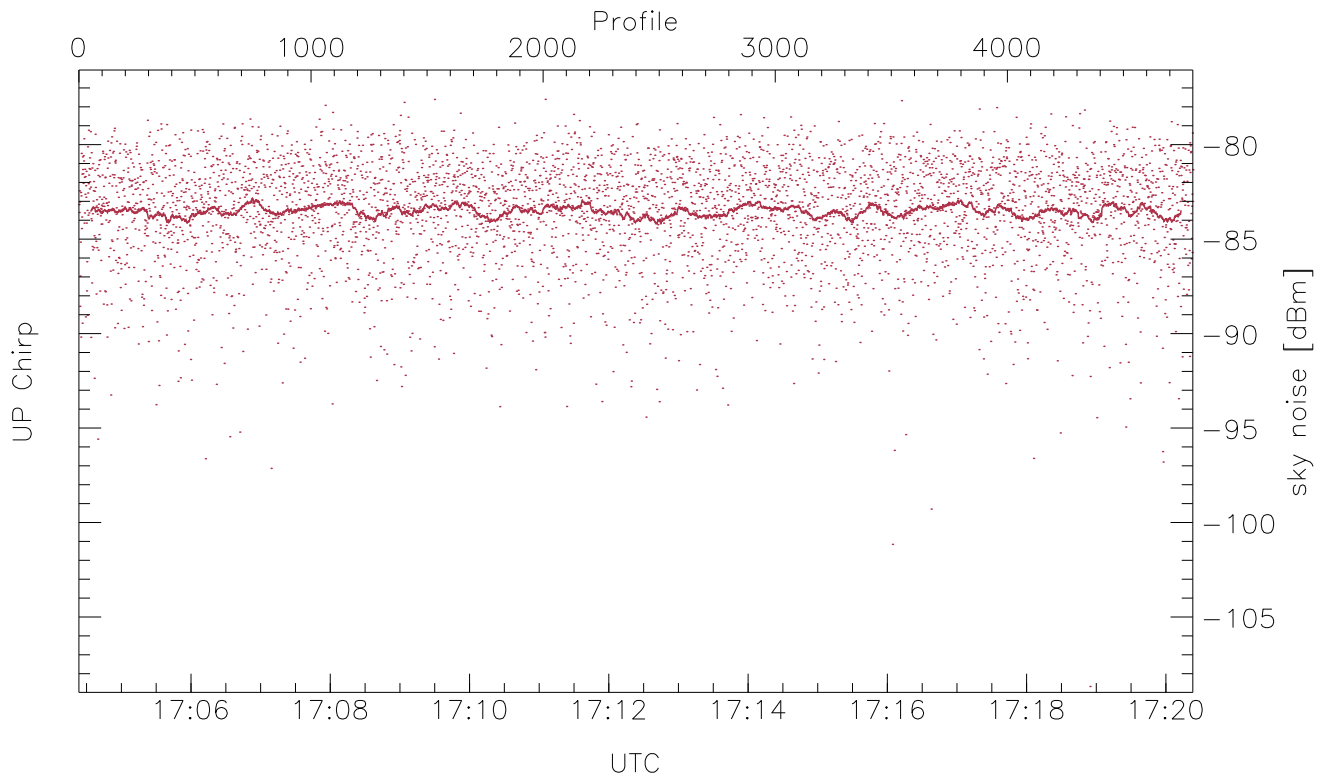
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.55	-64.03	-64.29	-64.29	-81.98
UP Pulse(dBm)	-65.36	-64.81	-65.07	-65.07	-82.77



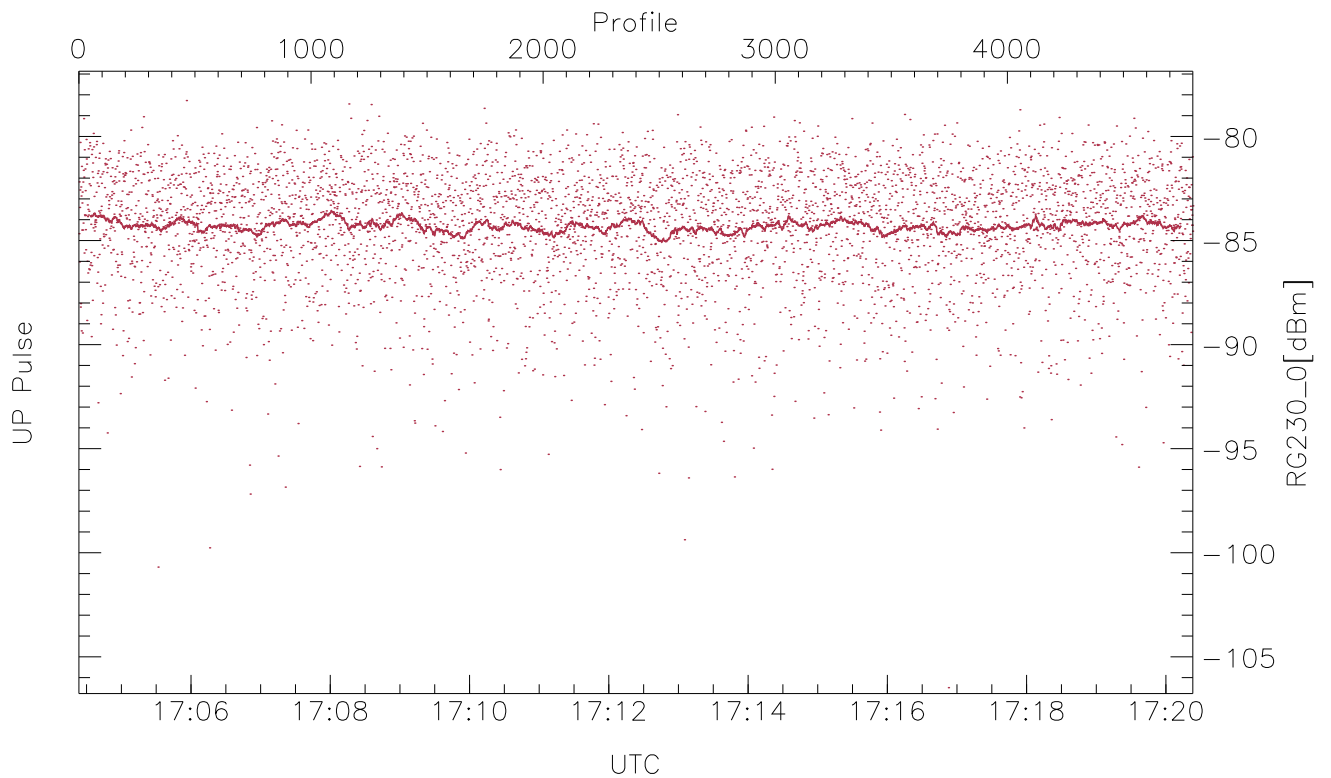
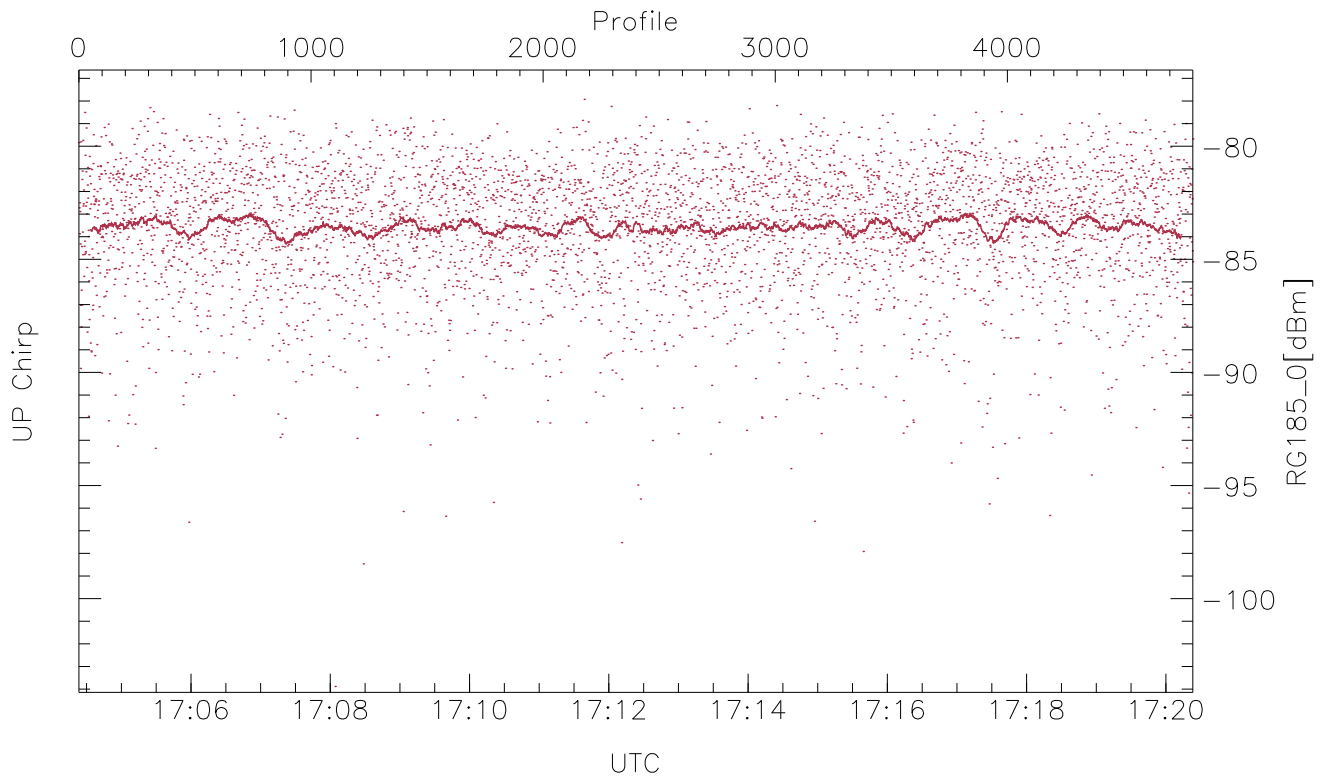
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG185_0	-64.53	-64.02	-64.29	-64.29	-82.03
UP_P_RG230_0	-65.38	-64.77	-65.07	-65.07	-82.74



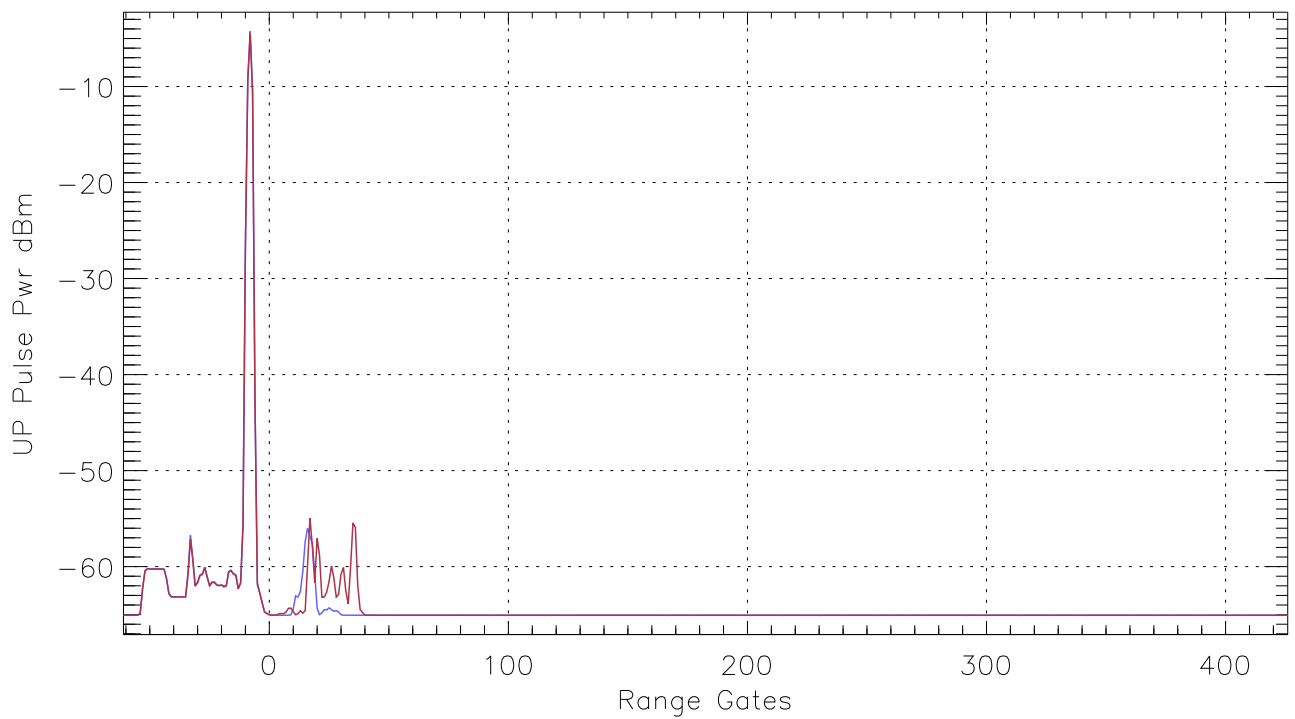
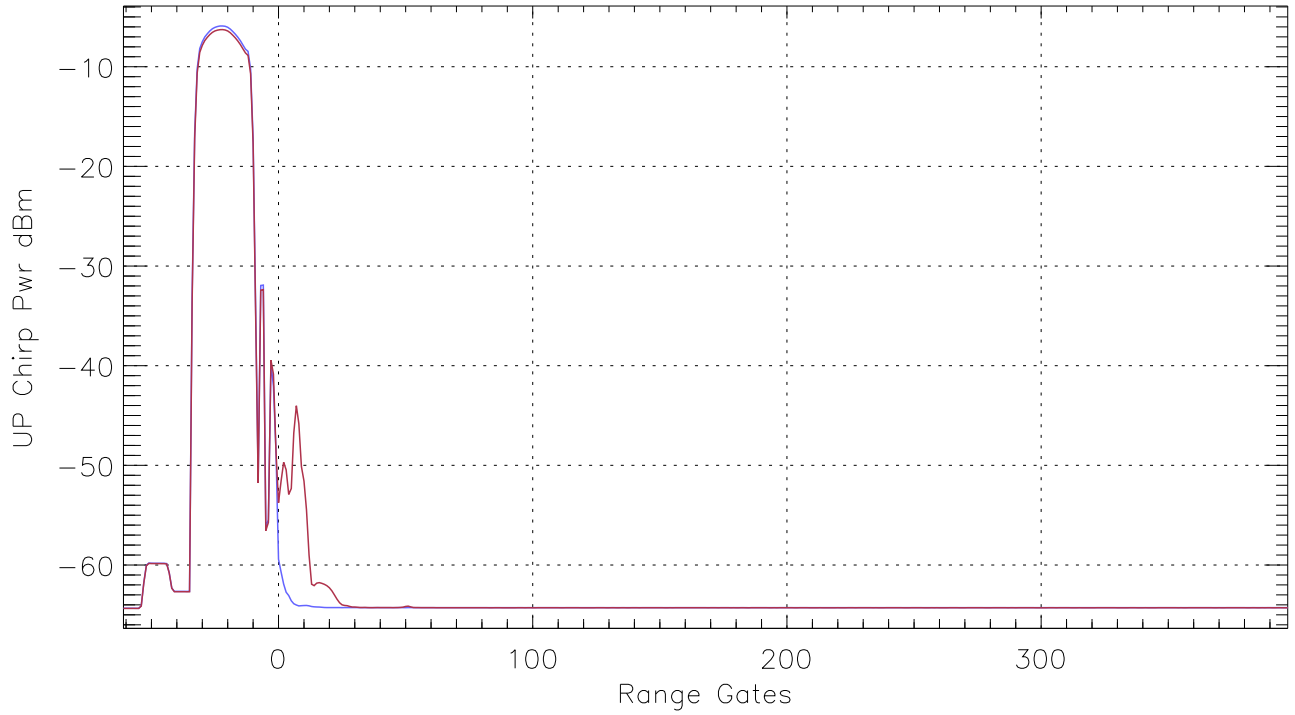
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-108.68	-77.61	-82.80	-83.07	-85.64
UP Pulse(dBm)	-102.07	-78.68	-83.59	-83.90	-86.33

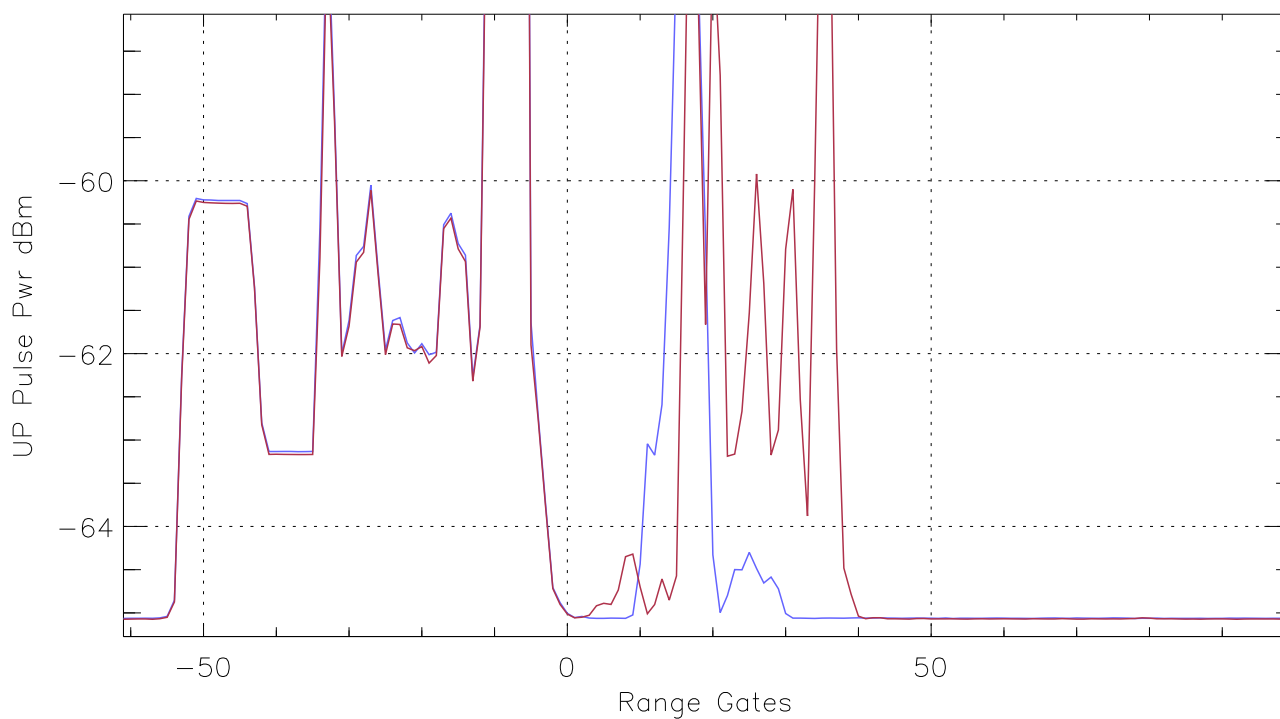
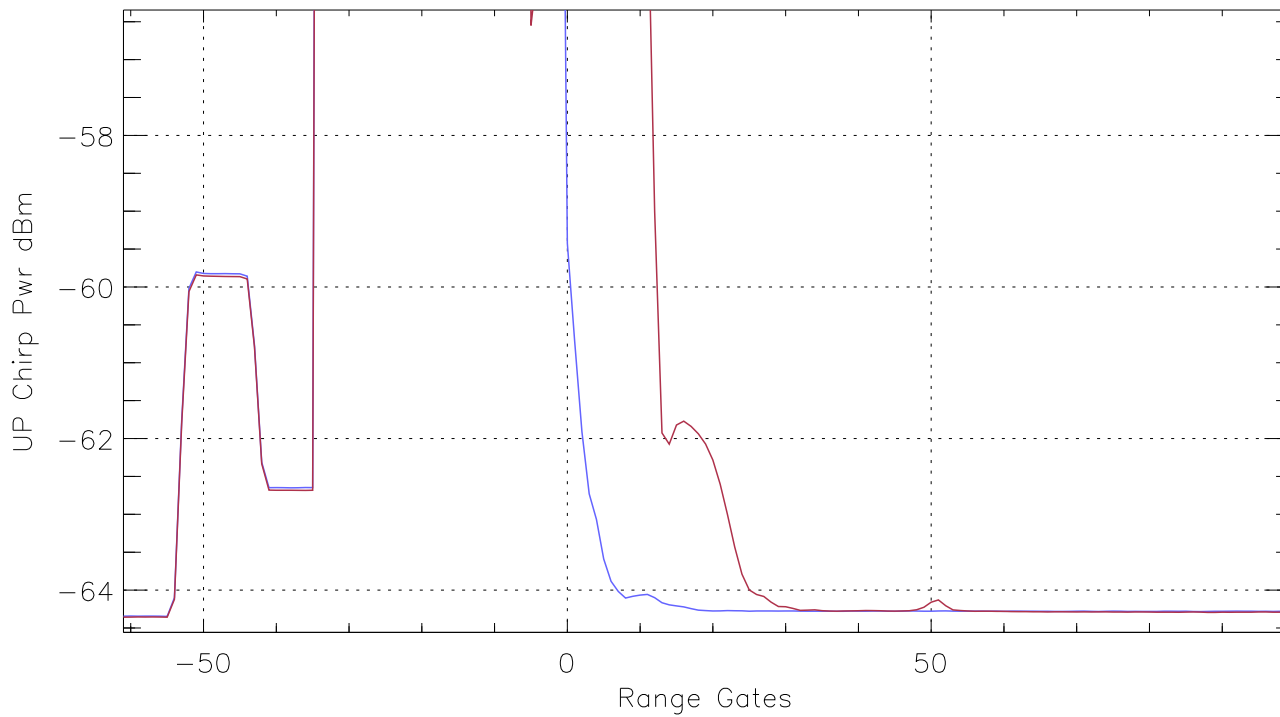


KPR SPP "Best" PPMAG noise (dBm):

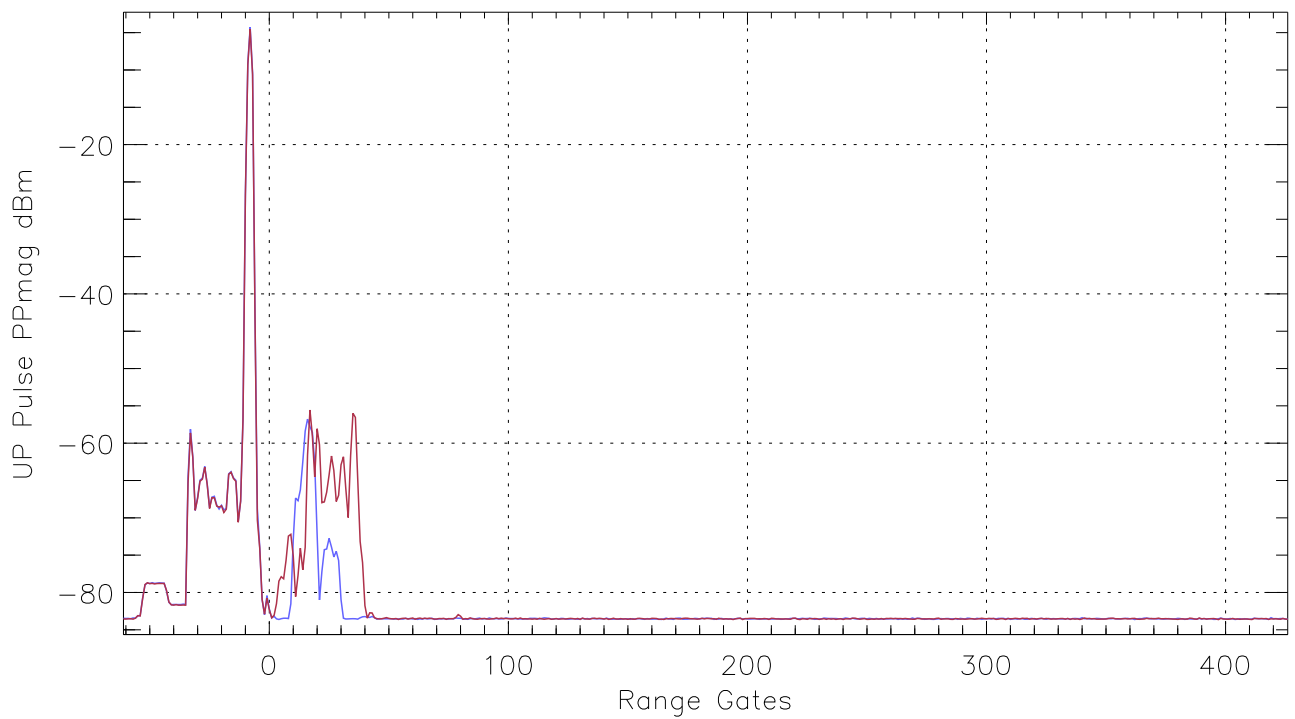
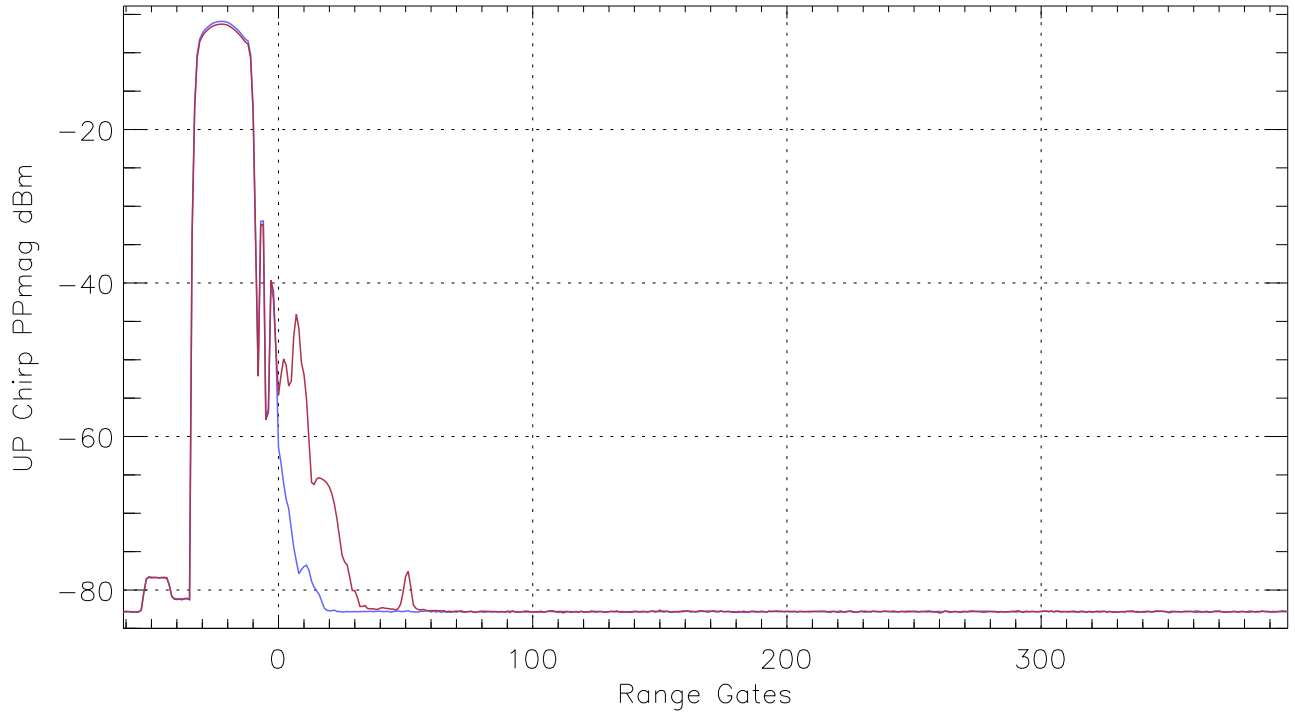
	Min	Max	Mean	Median	StDev
UP_C_RG185_0	-103.88	-77.93	-82.88	-83.17	-85.74
UP_P_RG230_0	-106.48	-78.28	-83.58	-83.84	-86.37



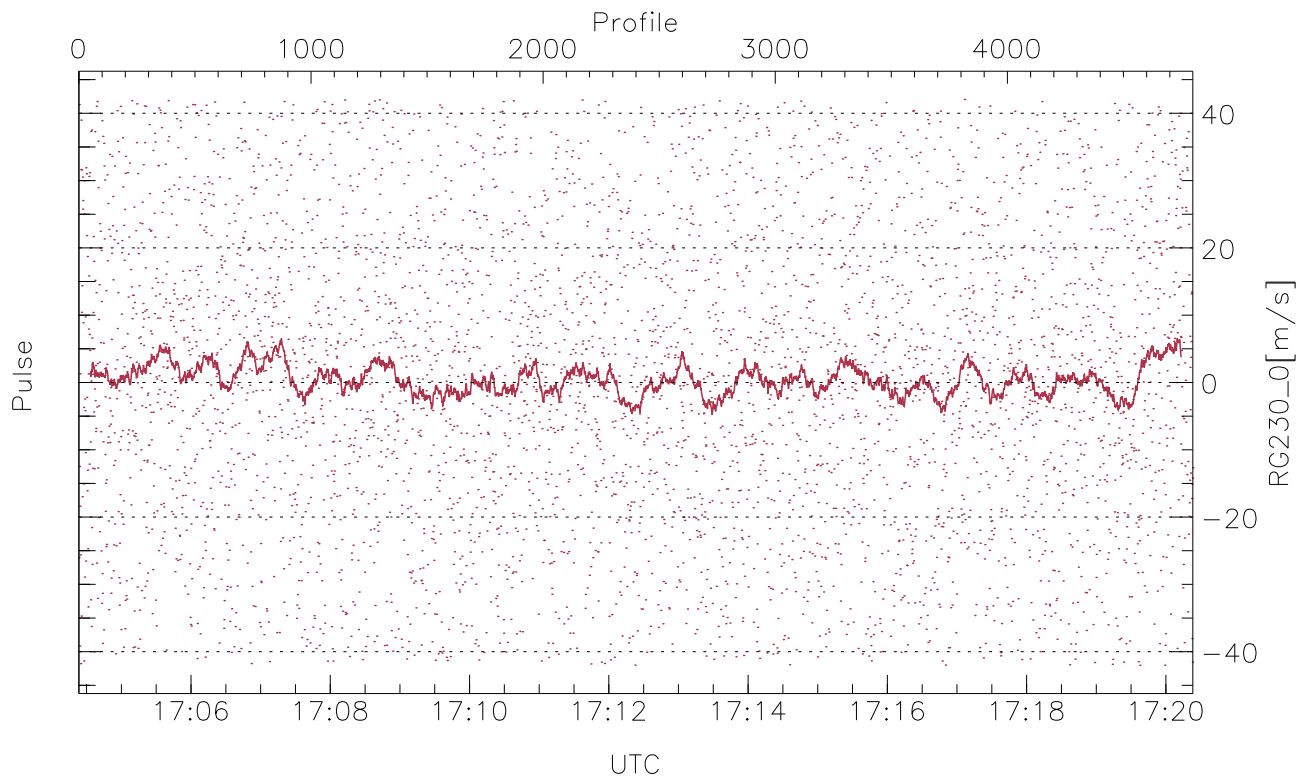
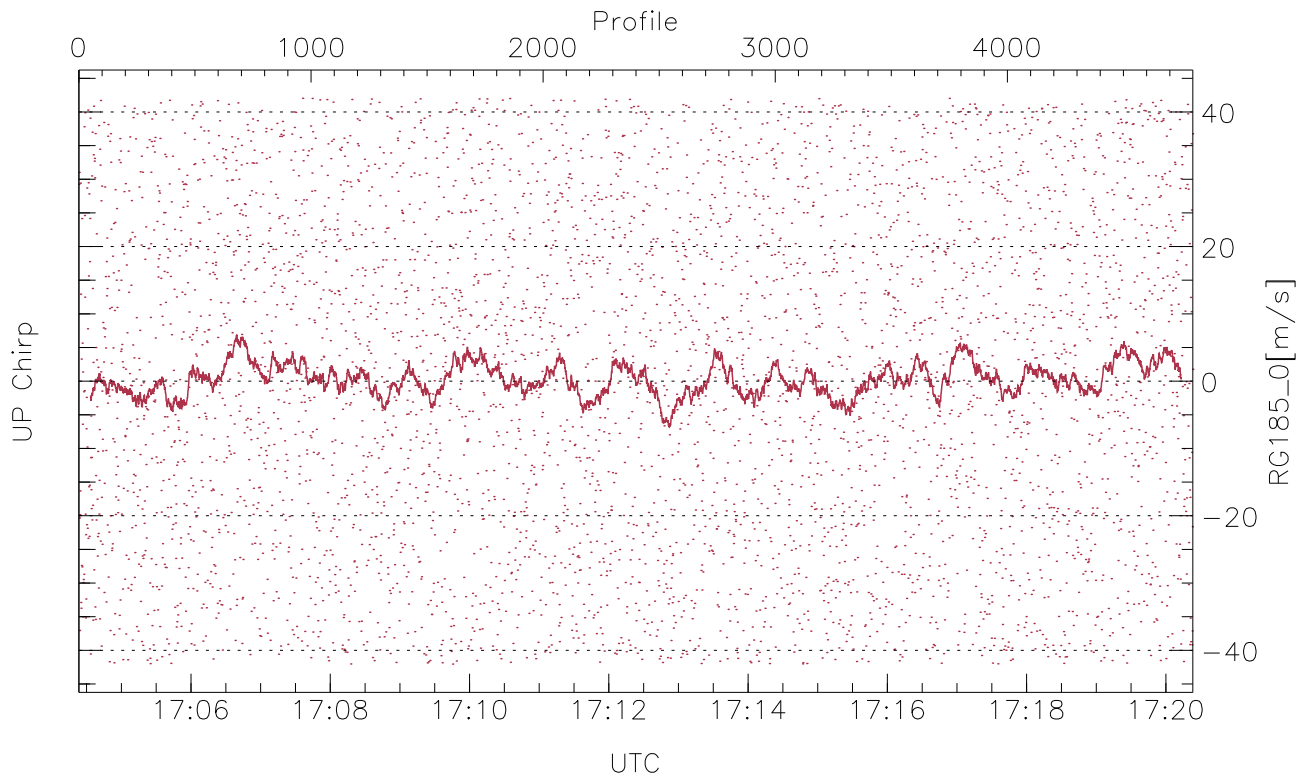
KPR SPP Averaged Received power for all recorded gates
blue: 170423-171223, 2401 profiles averaged
red: 171223-172023, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 170423-171223, 2401 profiles averaged
red: 171223-172023, 2400 profiles averaged

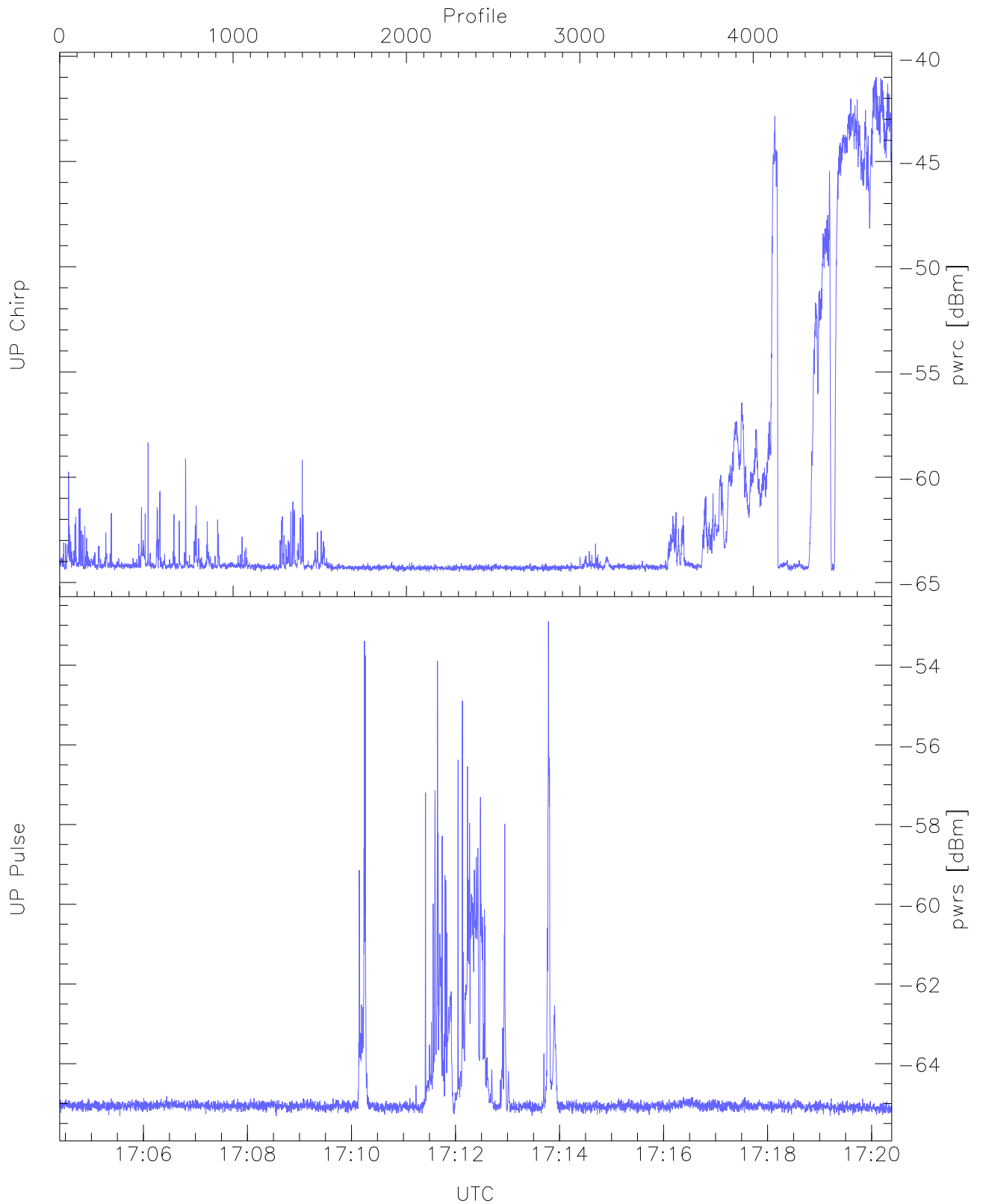


KPR SPP Averaged PP magnitude for all recorded gates
blue: 170423-171223, 2401 profiles averaged
red: 171223-172023, 2400 profiles averaged



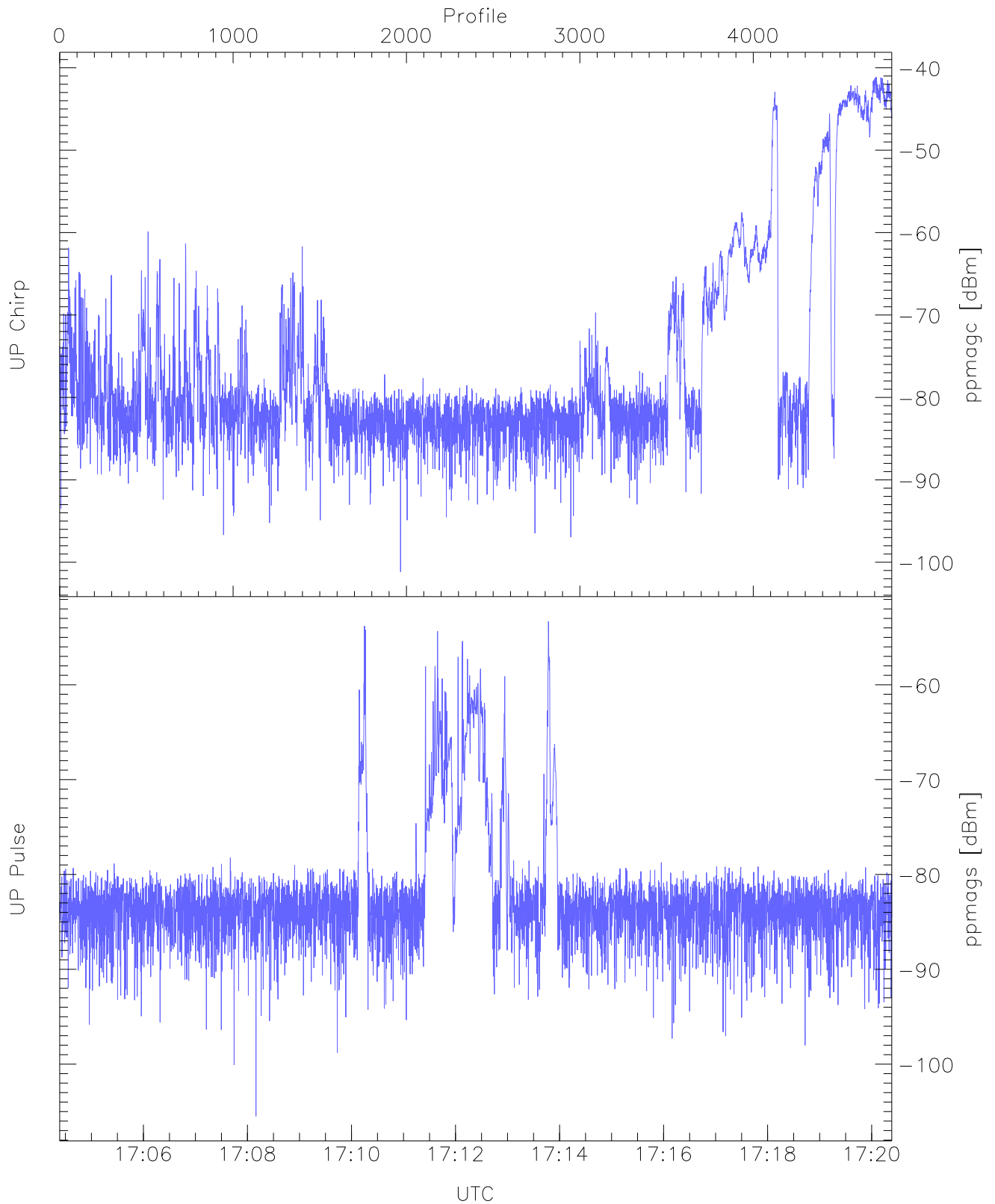
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG185_0	-42.04	42.03	0.20	0.46	24.13
UP_P_RG230_0	-42.02	42.05	0.40	0.63	21.59



KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

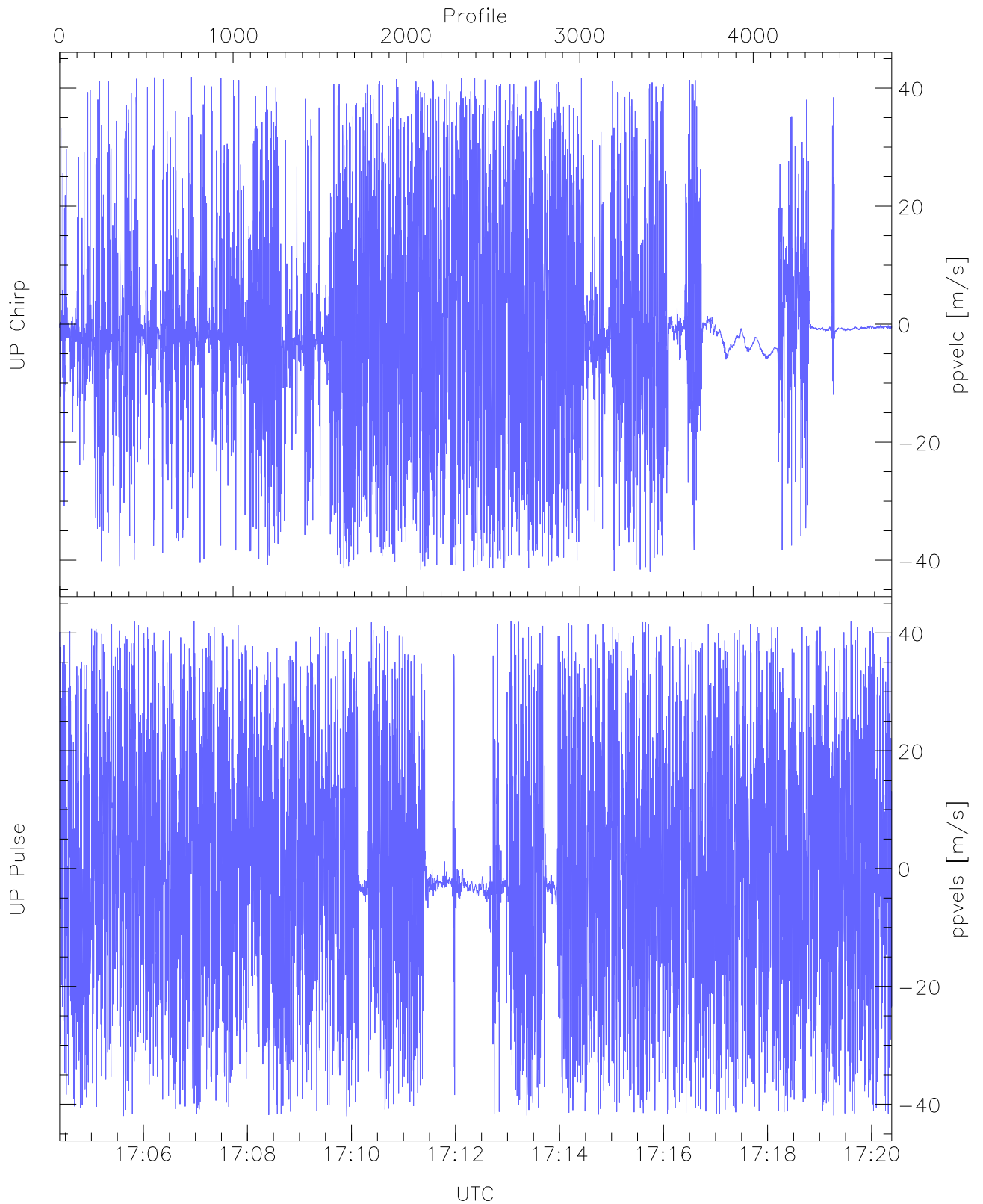
	Min	Max	Mean
UP Chirp(dBm)	-64.49	-40.99	-54.35
UP Pulse(dBm)	-65.32	-52.90	-64.57



KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)

KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

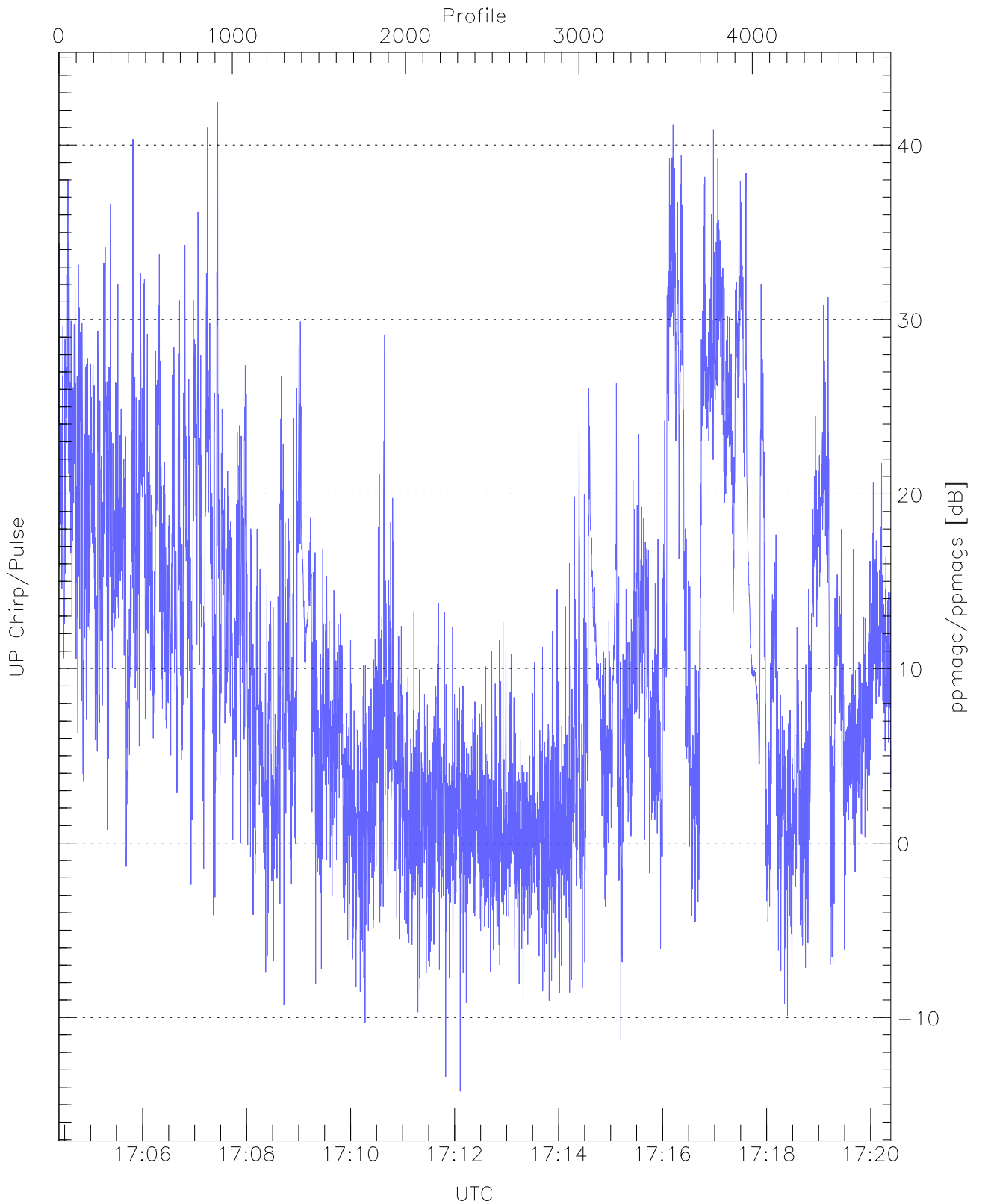
	Min	Max	Mean
UP Chirp(dBm)	-101.17	-41.12	-54.92
UP Pulse(dBm)	-105.49	-53.31	-73.88



KPR SPP PPVEL for Chirp Range gate 10 (686.2 m)

KPR SPP PPVEL for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(m/s)	-41.98	41.88	-0.55
UP Pulse(m/s)	-42.03	41.95	-0.90



KPR SPP PPMAG Chirp/Pulse; Range gate: 551.3m /570.5m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-14.24	42.48	21.89