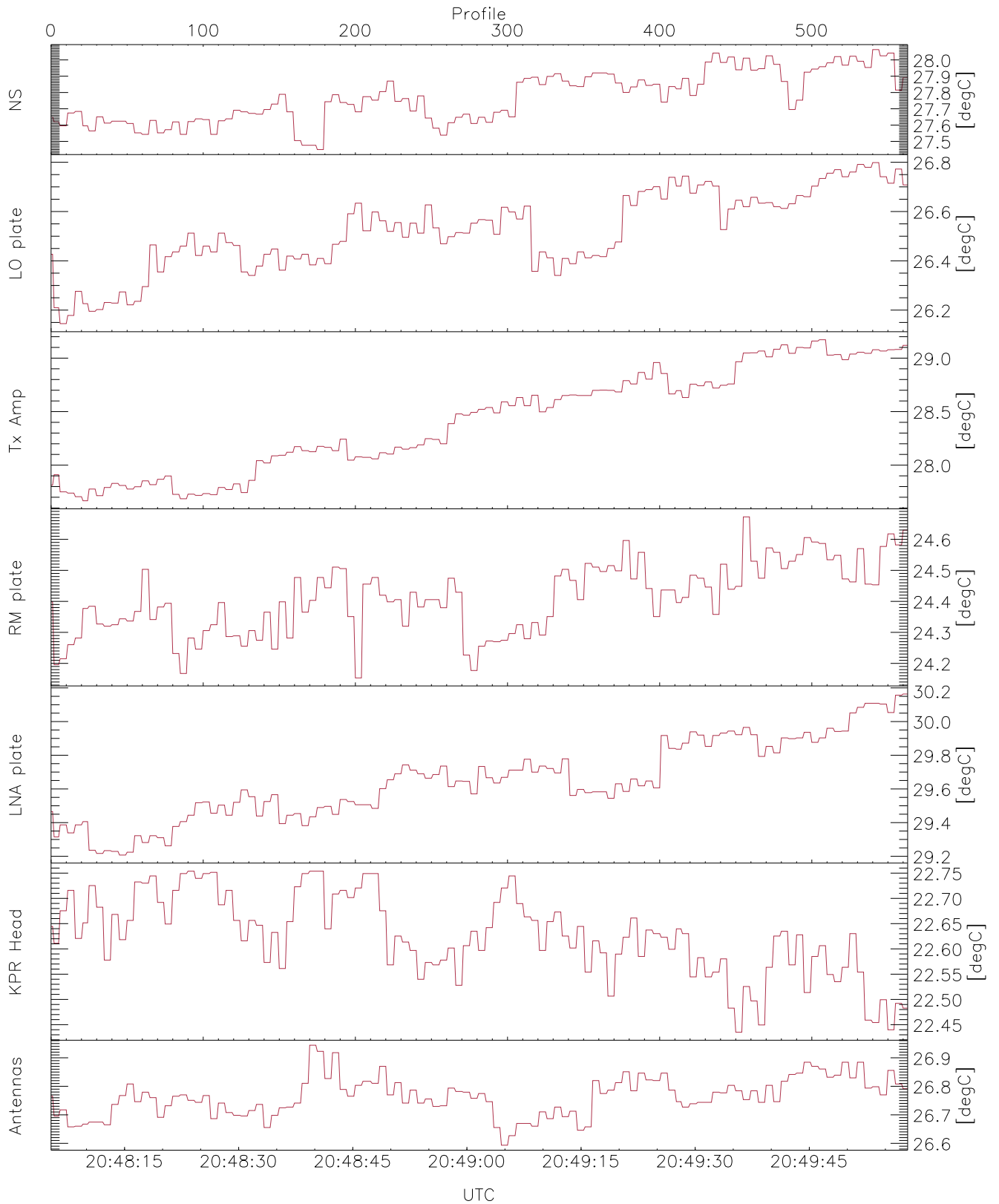


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 20:48:05-20:49:58, TimeCor: 0.00s, Dur: 112.60s
 TimeInt(min,max,mn,std): 189.7,210.3,200.0,0.8 ms; PPS: 5.0
 NumRec(r/t): 564/564, 0-563/20:48:05-20:49:58
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 95.1 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxF: 5.0 MHz
 PRF: 20.0 KHz, avrgPulses: 4000, avrgPP: 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

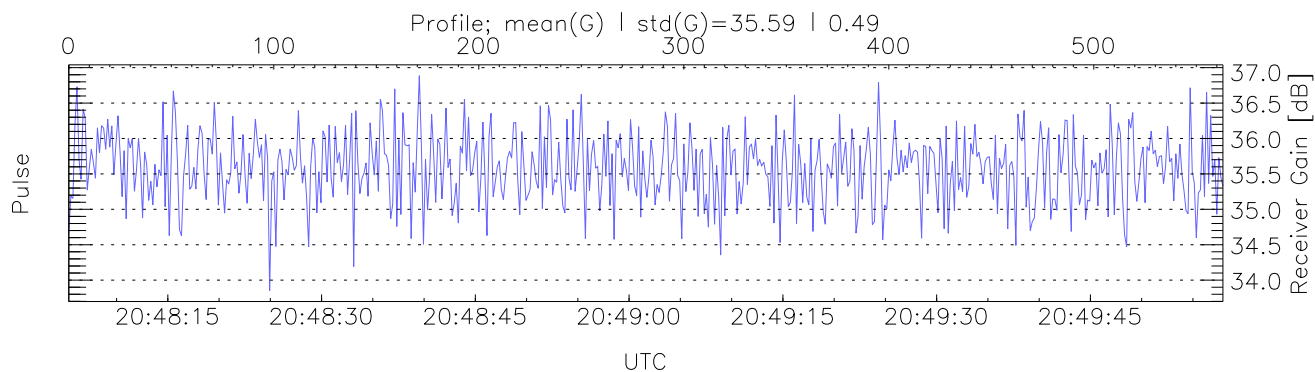
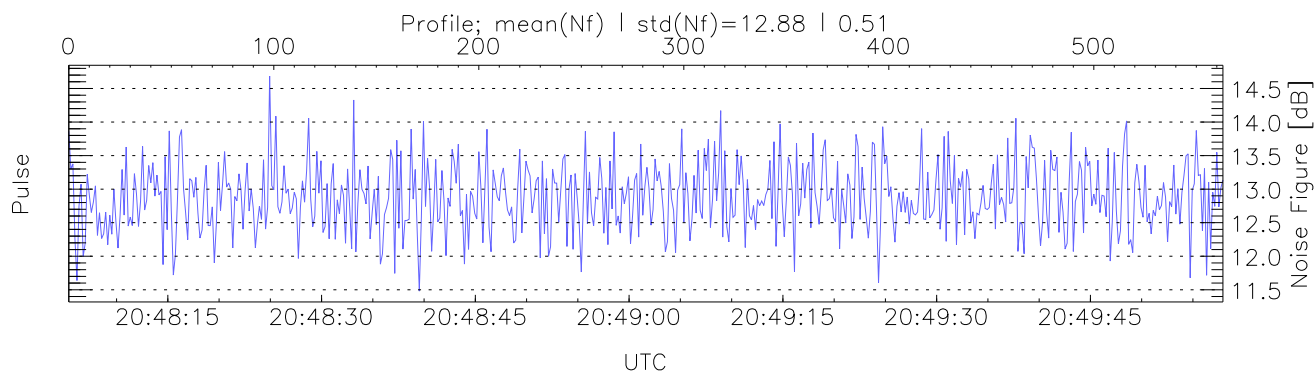
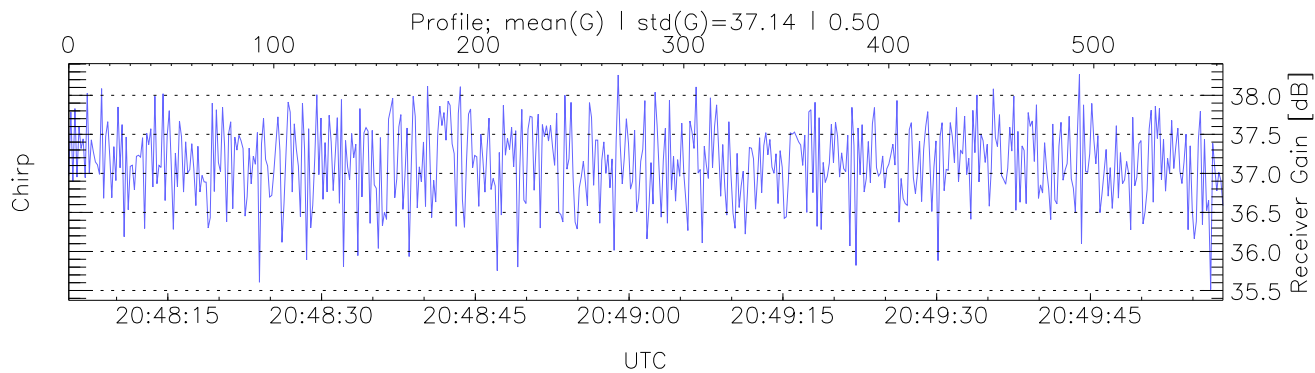
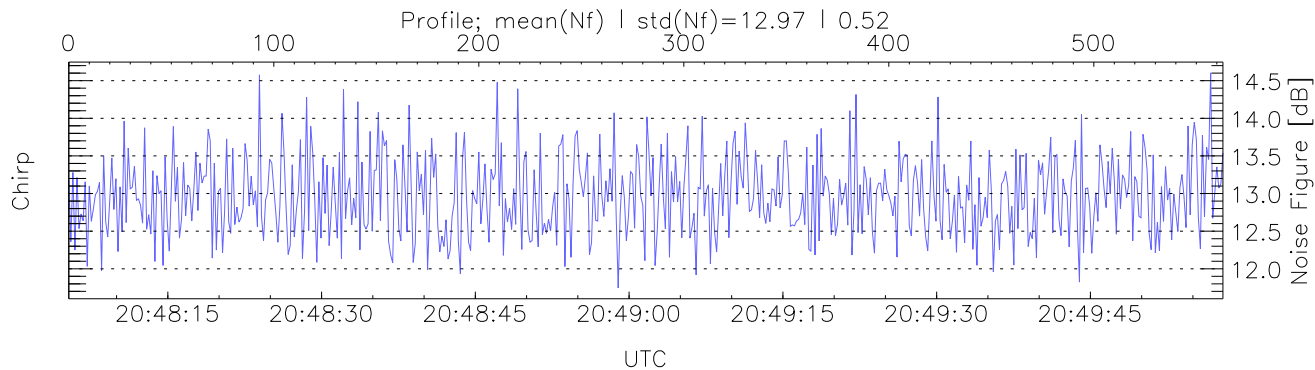


KPR SPP Temperatures, Power Supplies, PLO lock:

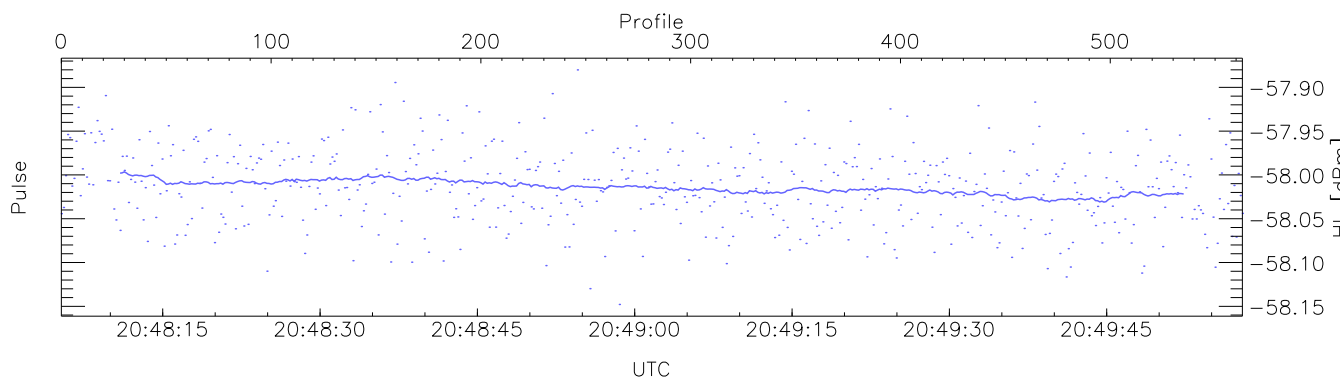
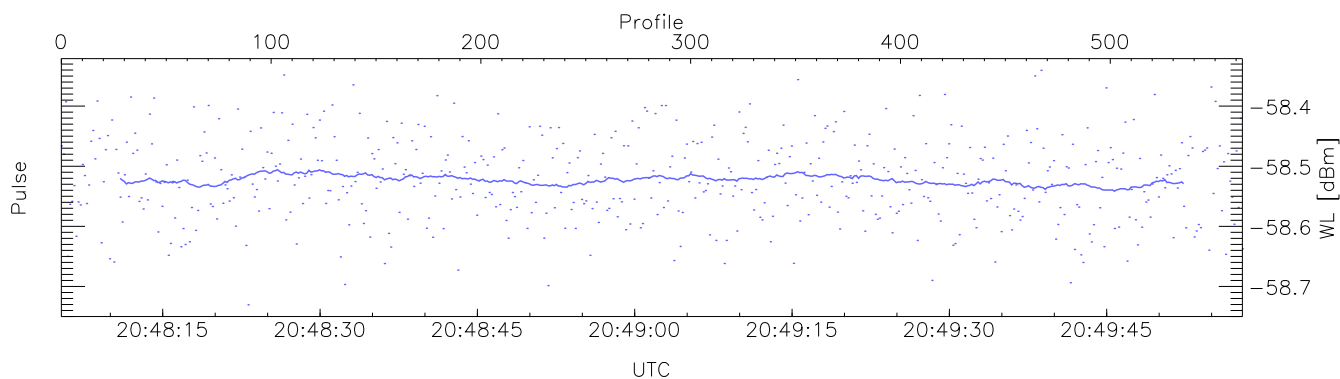
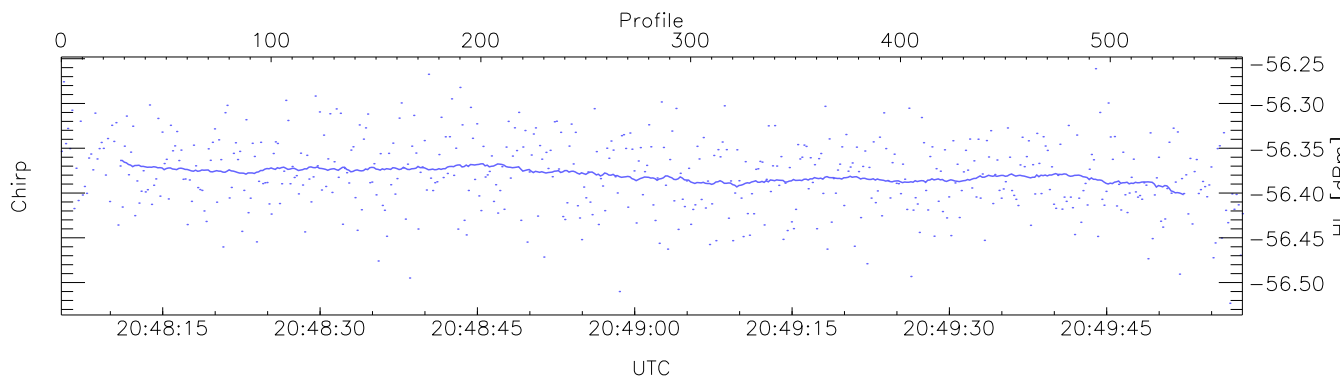
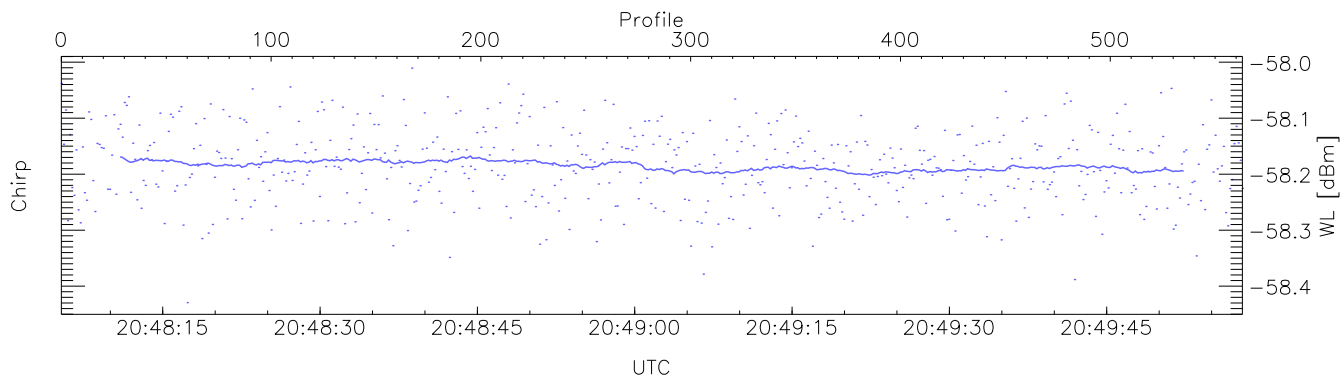
temperature: NS, LO, Tx, RM, LNA, Head, Ant
 mintempC: 27.4, 26.1, 27.7, 24.2, 29.2, 22.4, 26.6
 maxtempC: 28.1, 26.8, 29.2, 24.7, 30.2, 22.8, 26.9
 meantempC: 27.8, 26.5, 28.4, 24.4, 29.6, 22.6, 26.8

PwrSply: 28, 12, 8, 5 VDC
 minVDC: 26.01, 11.68, 7.87, 5.22
 maxVDC: 26.49, 11.72, 7.89, 5.23
 meanVDC: 26.24, 11.70, 7.88, 5.23

PLO(3.84,15.84 GHz) unlocked: None

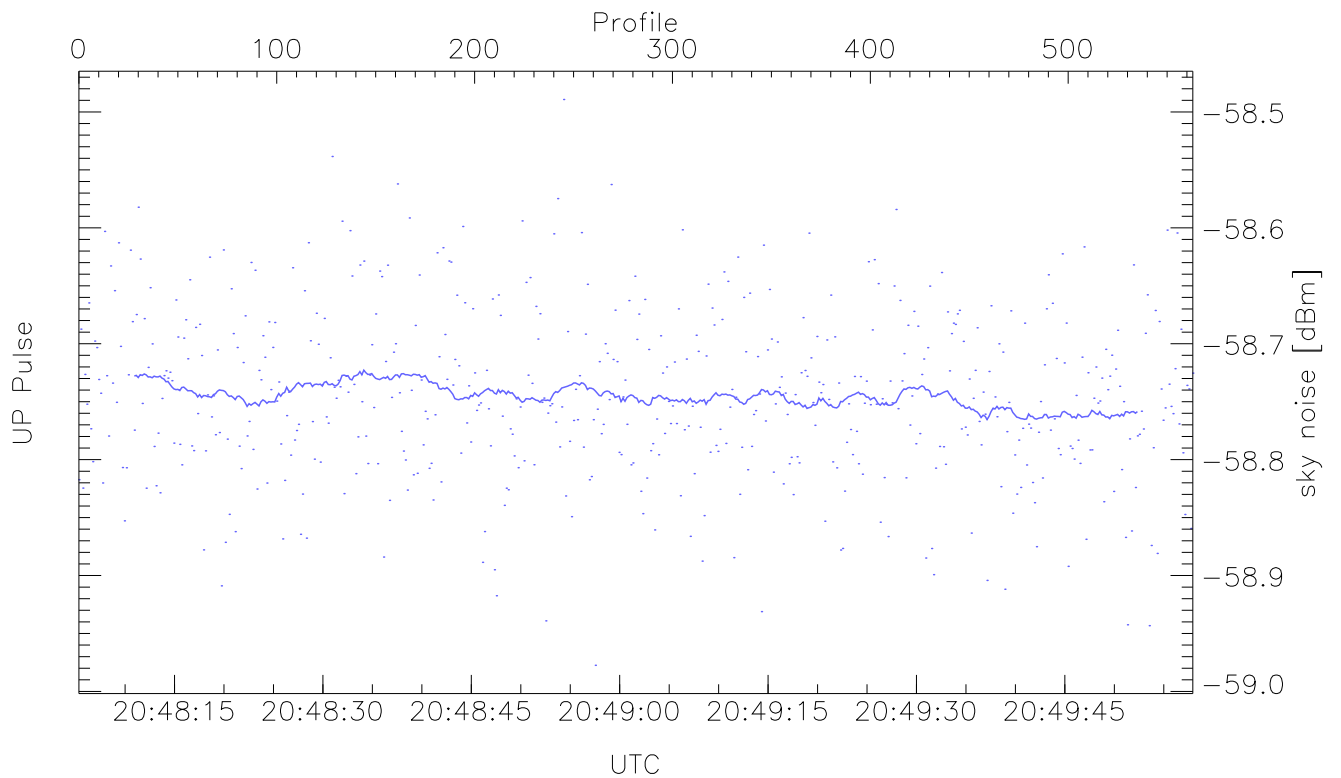
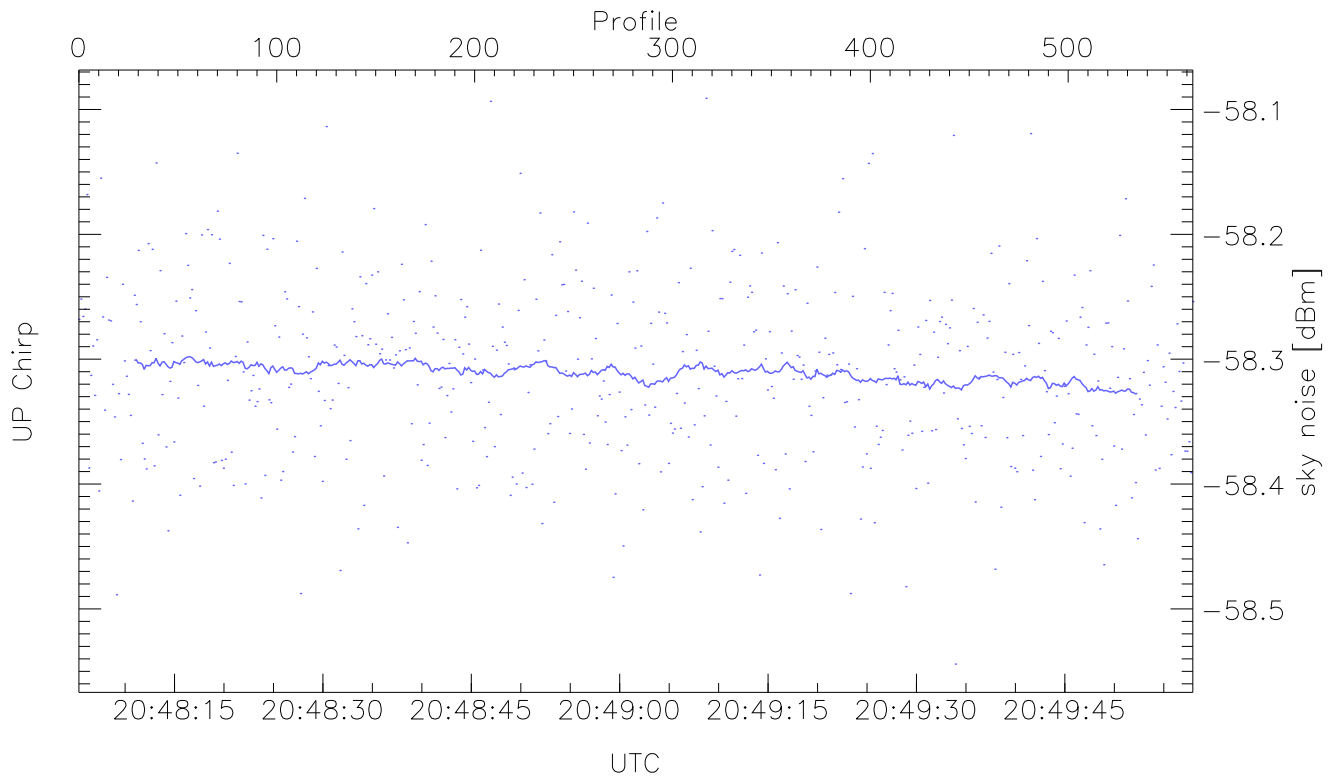


KPR SPP Receiver Gain and Noise Figure



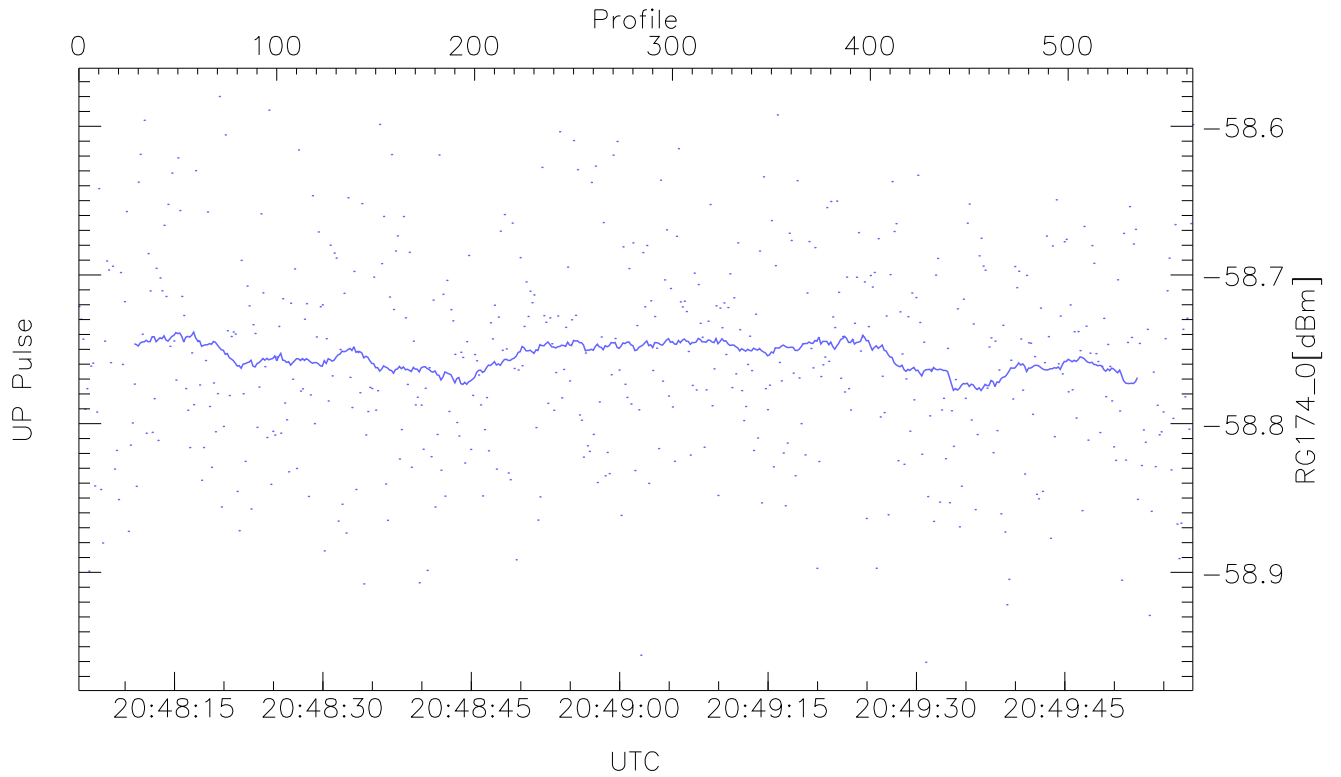
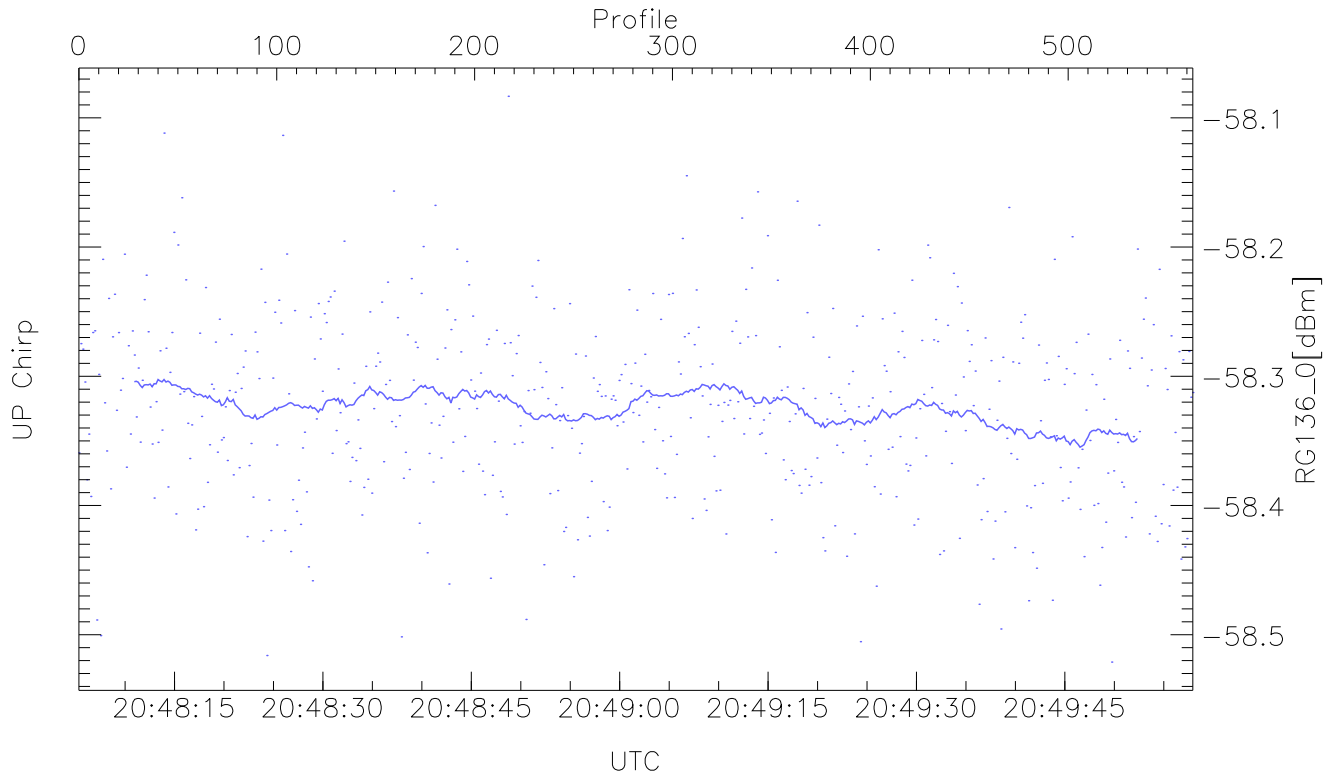
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-58.43	-58.01	-58.18	-58.18	-76.38
Chirp(HL [dBm])	-56.52	-56.26	-56.38	-56.38	-76.62
Pulse(WL [dBm])	-58.73	-58.34	-58.52	-58.53	-76.57
Pulse(HL [dBm])	-58.15	-57.88	-58.01	-58.01	-78.00



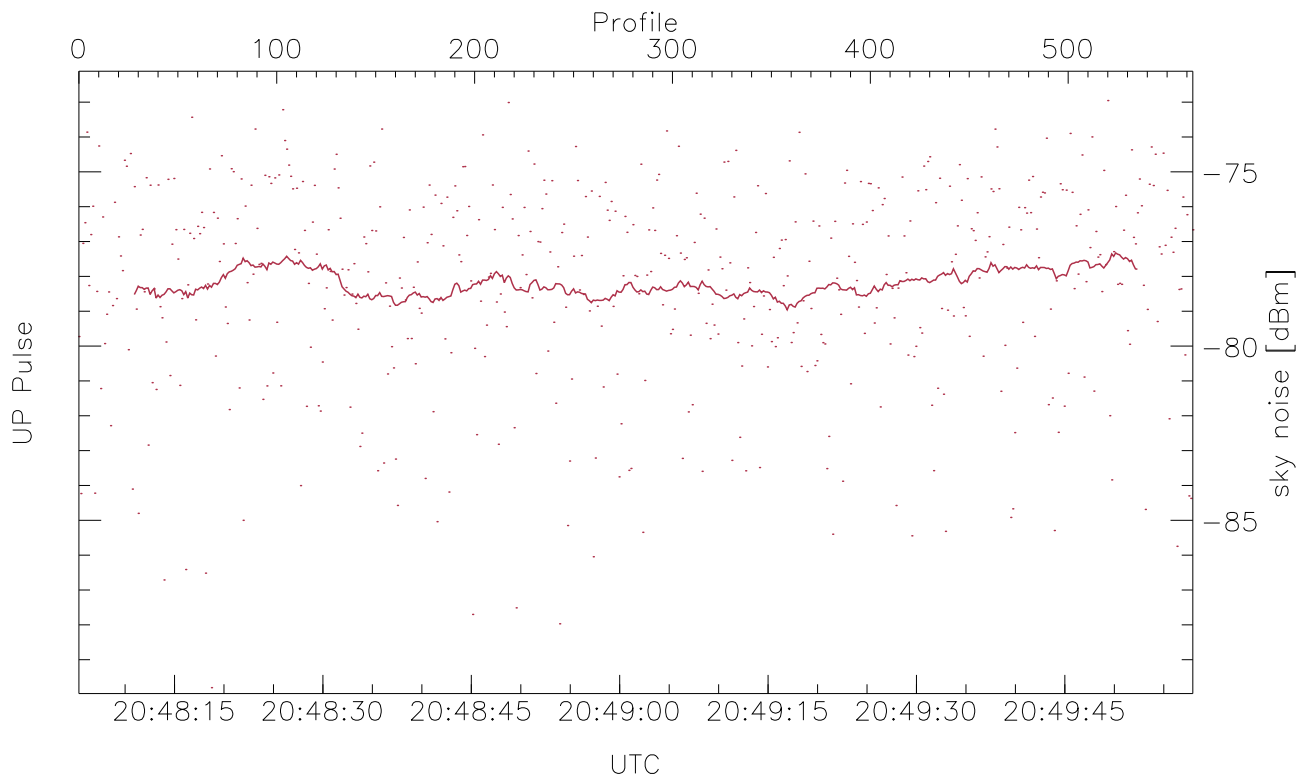
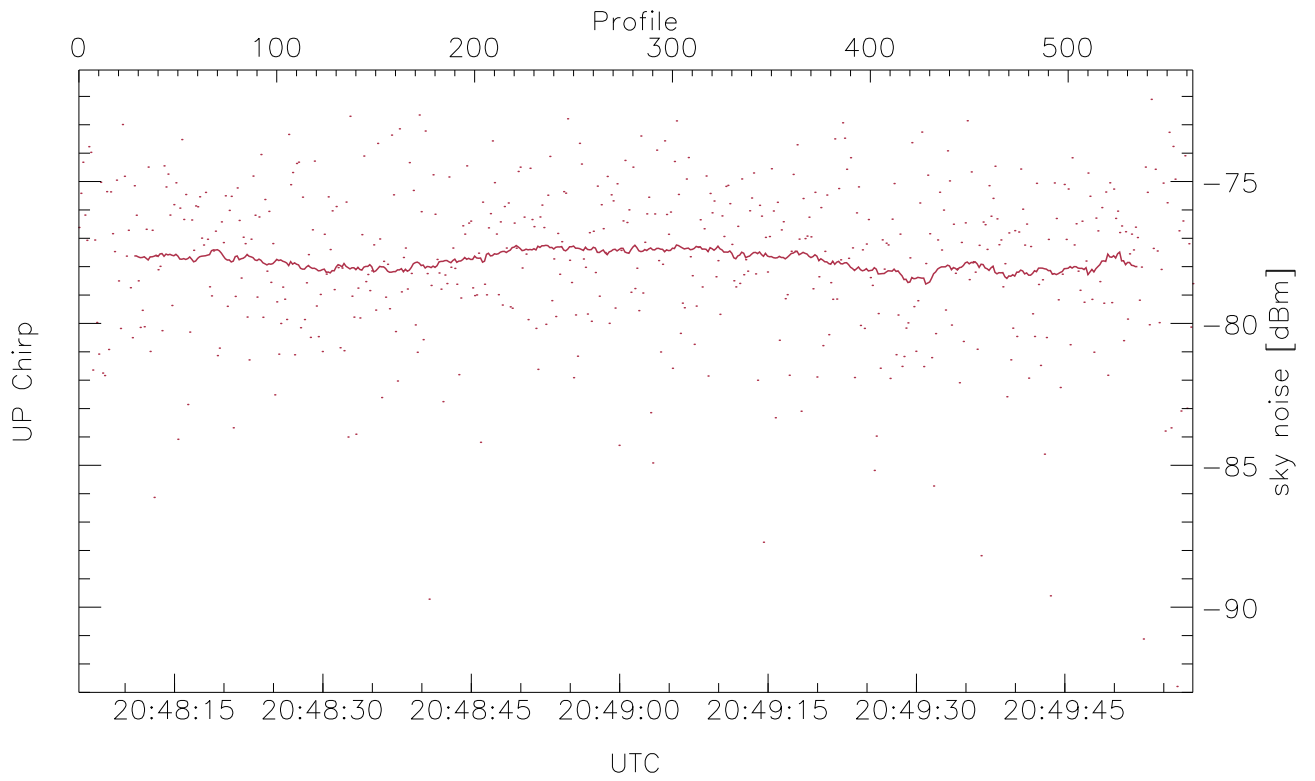
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-58.54	-58.09	-58.31	-58.31	-76.29
UP Pulse(dBm)	-58.98	-58.49	-58.74	-58.75	-76.54



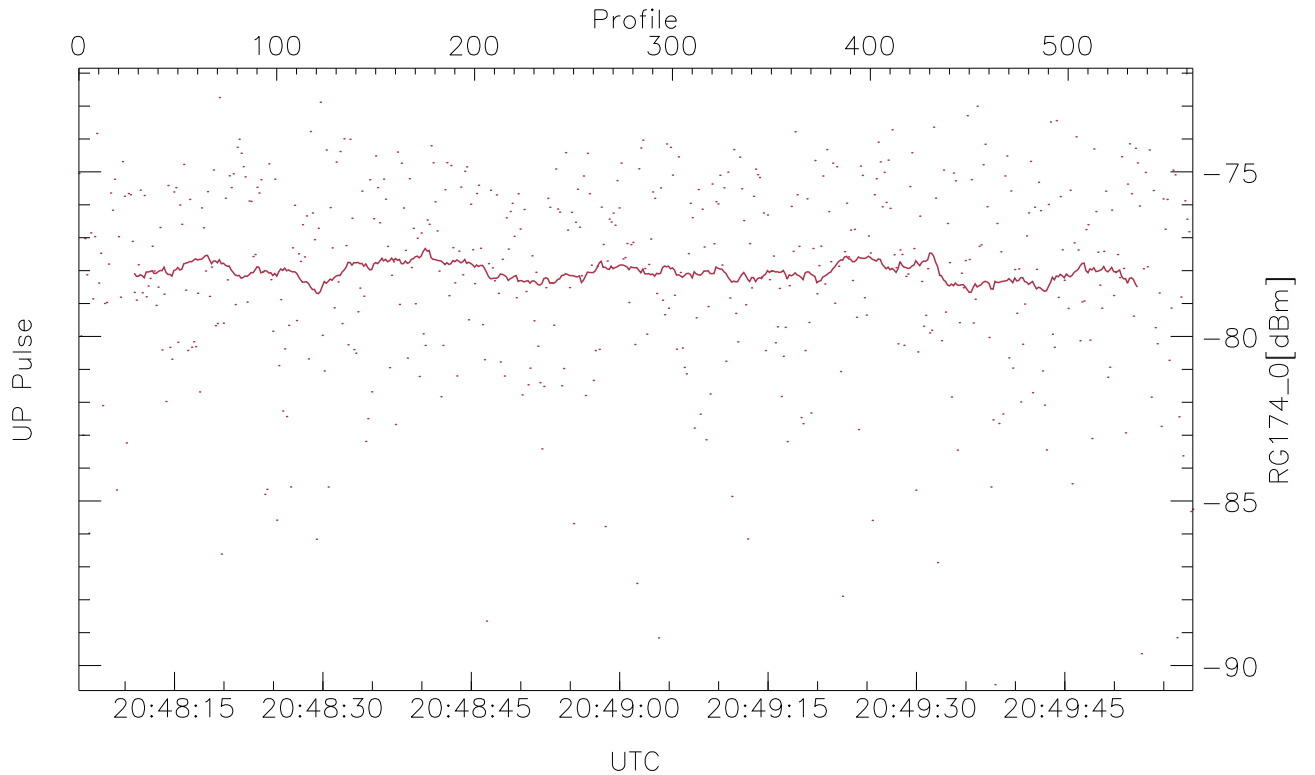
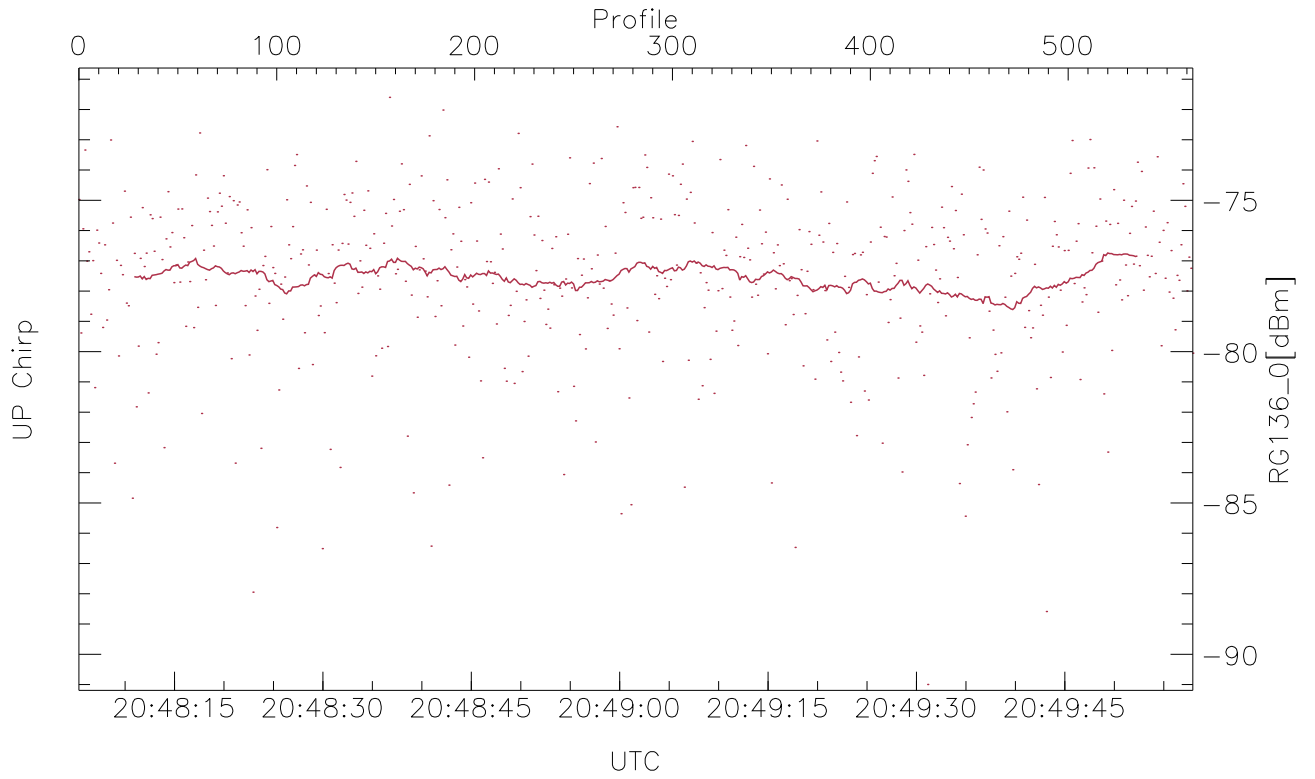
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG136_0	-58.52	-58.08	-58.32	-58.32	-76.31
UP_P_RG174_0	-58.96	-58.58	-58.76	-58.76	-76.86



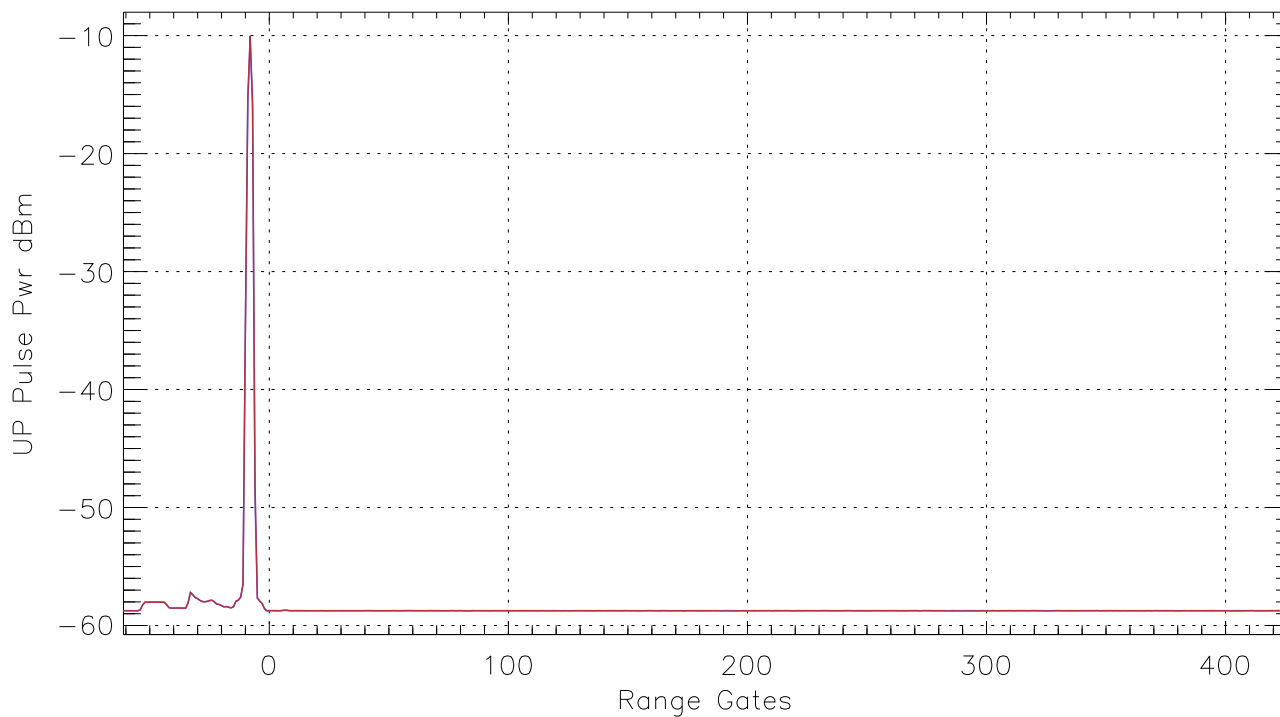
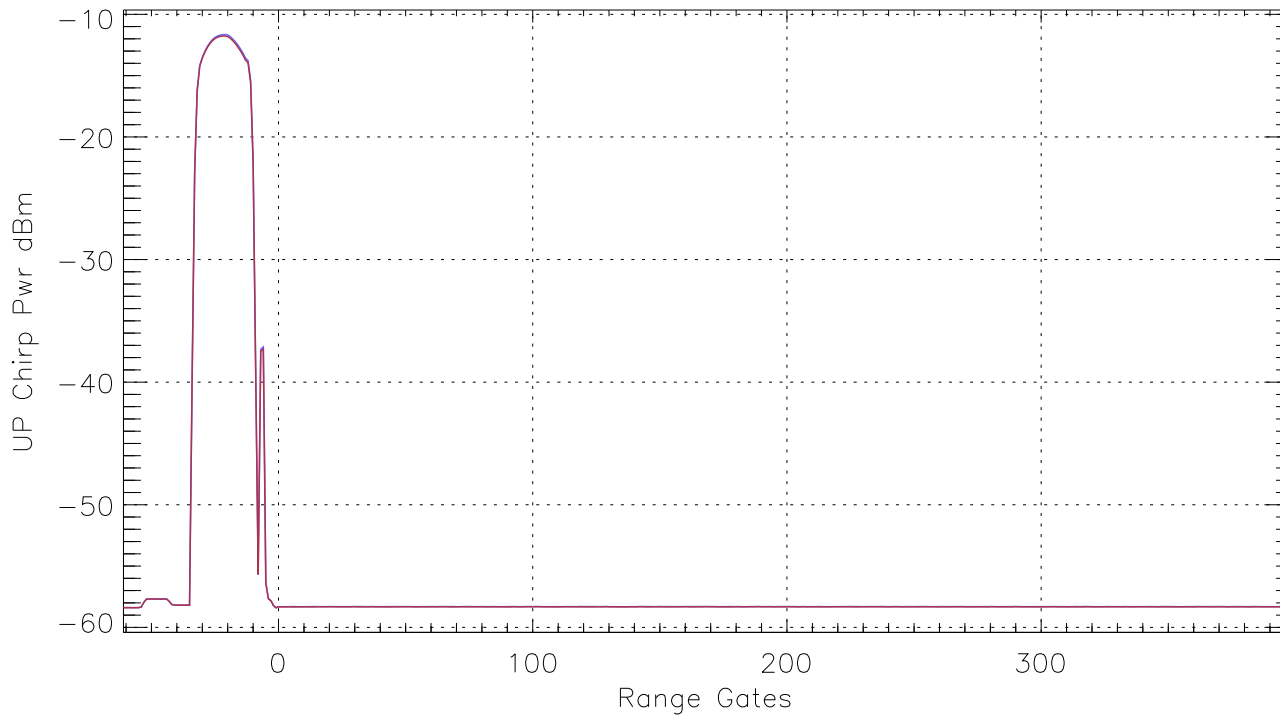
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-92.79	-72.10	-77.05	-77.36	-79.70
UP Pulse(dBm)	-89.80	-72.95	-77.41	-77.63	-80.14

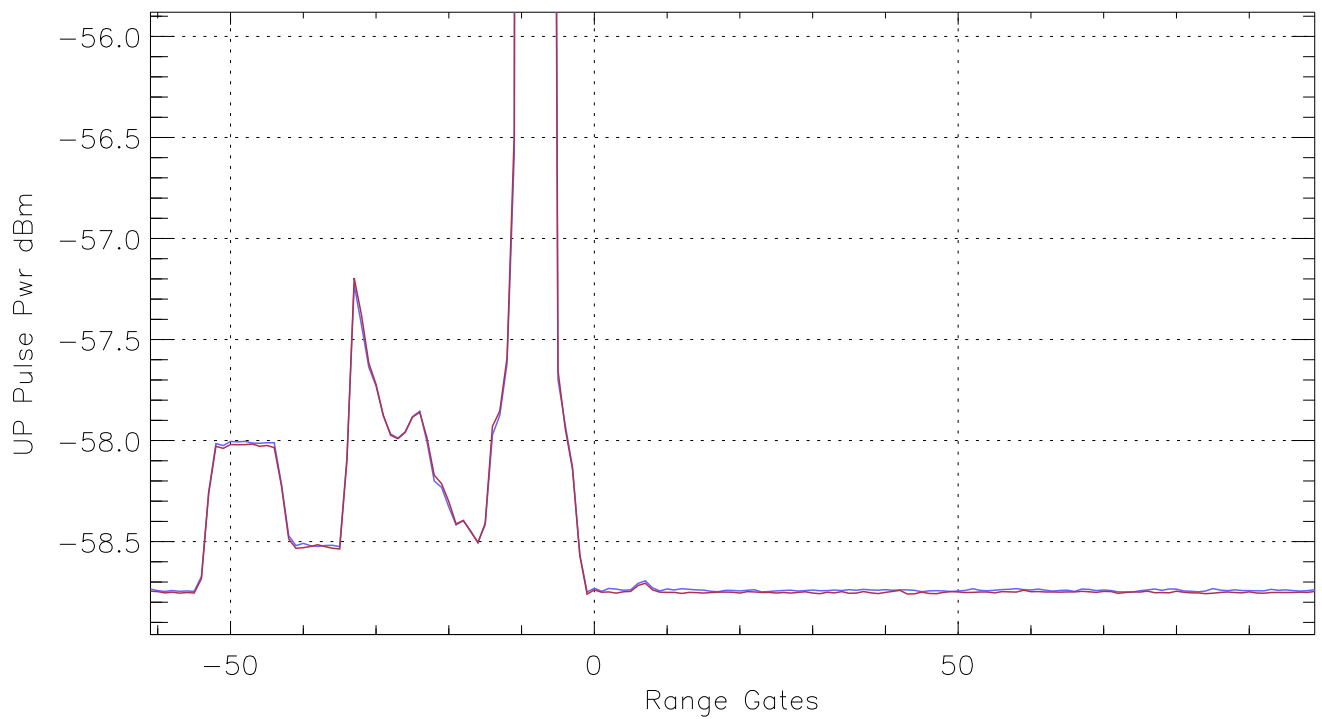
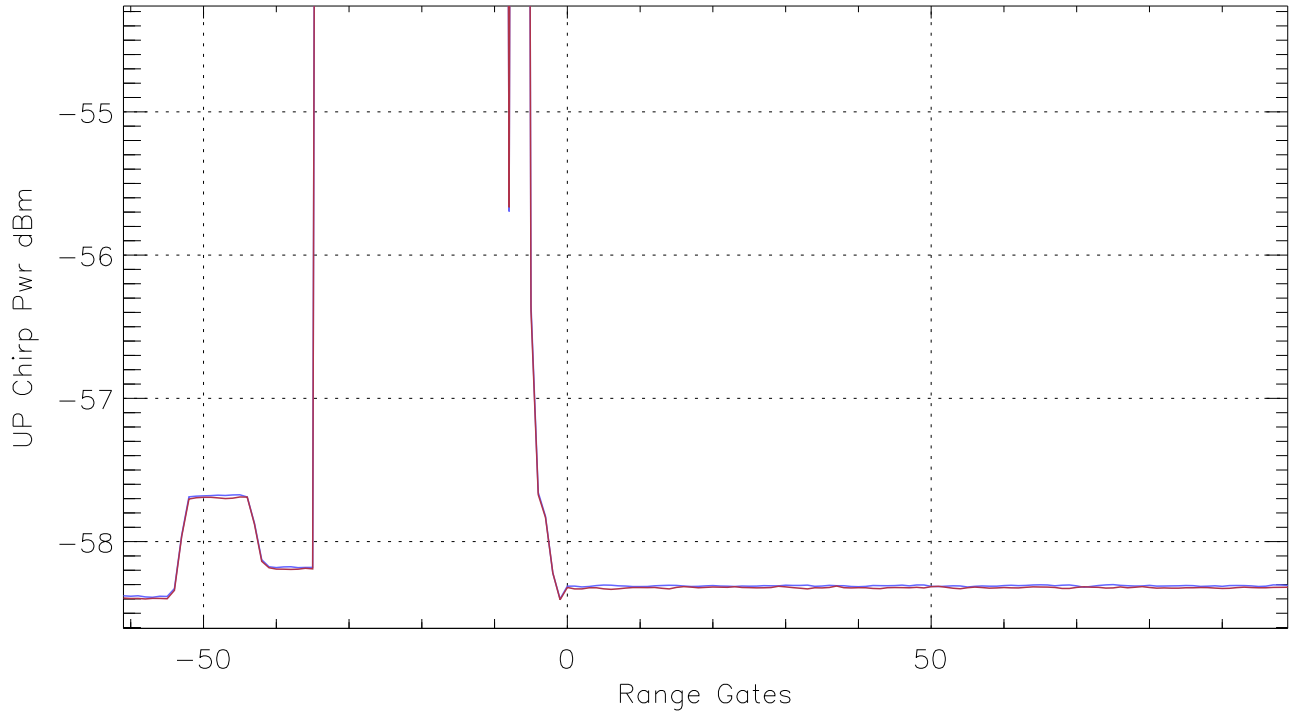


KPR SPP "Best" PPMAG noise (dBm):

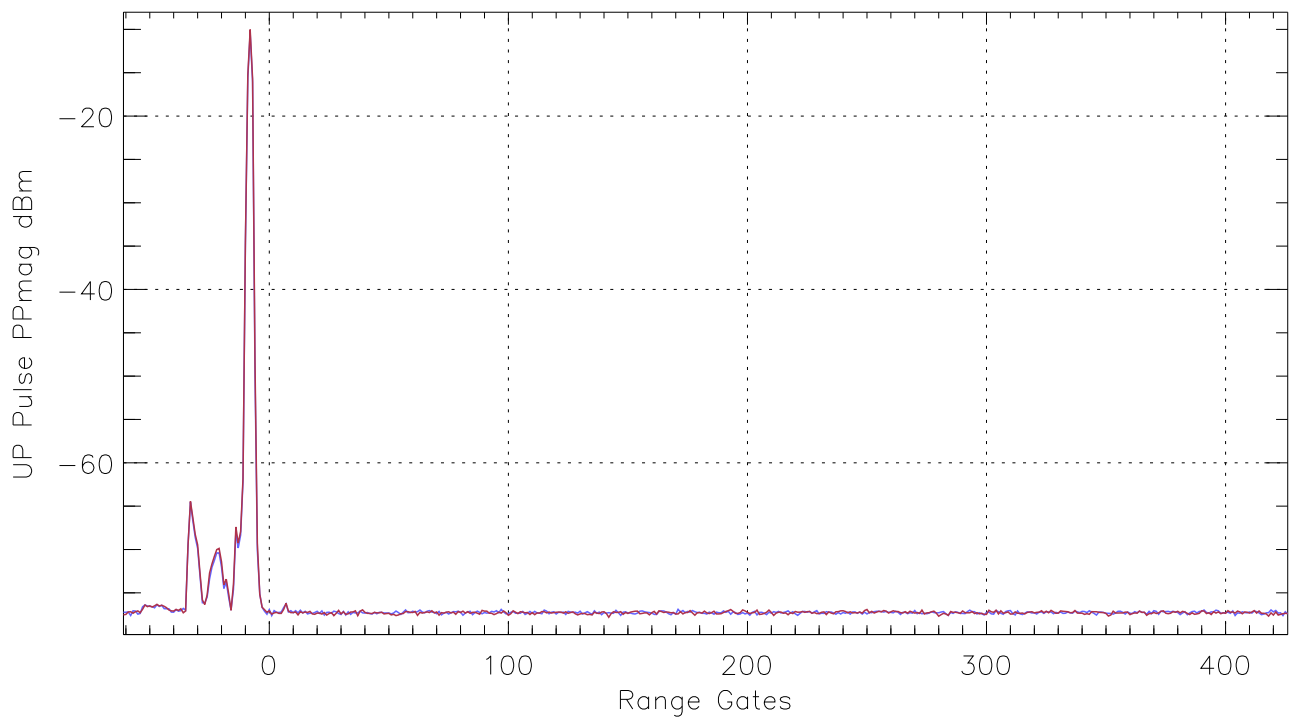
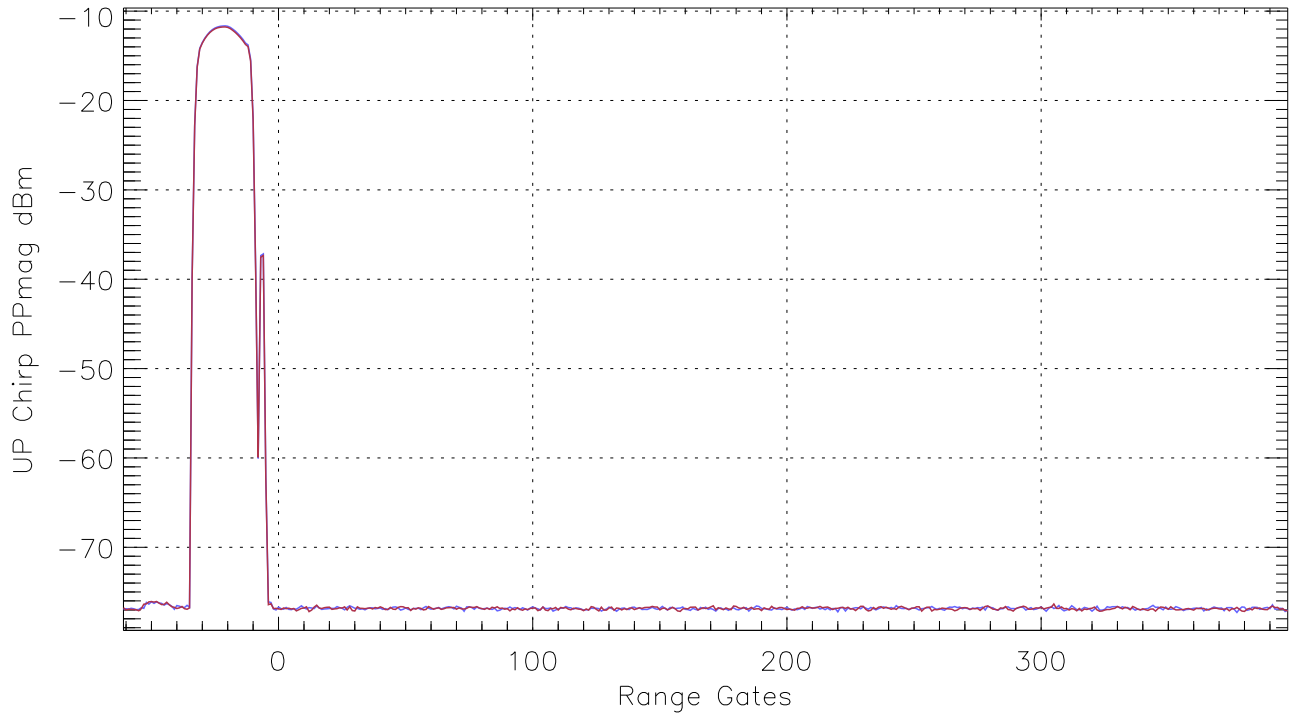
	Min	Max	Mean	Median	StDev
UP_C_RG136_0	-91.00	-71.60	-76.82	-77.14	-79.65
UP_P_RG174_0	-90.58	-72.74	-77.27	-77.64	-79.92



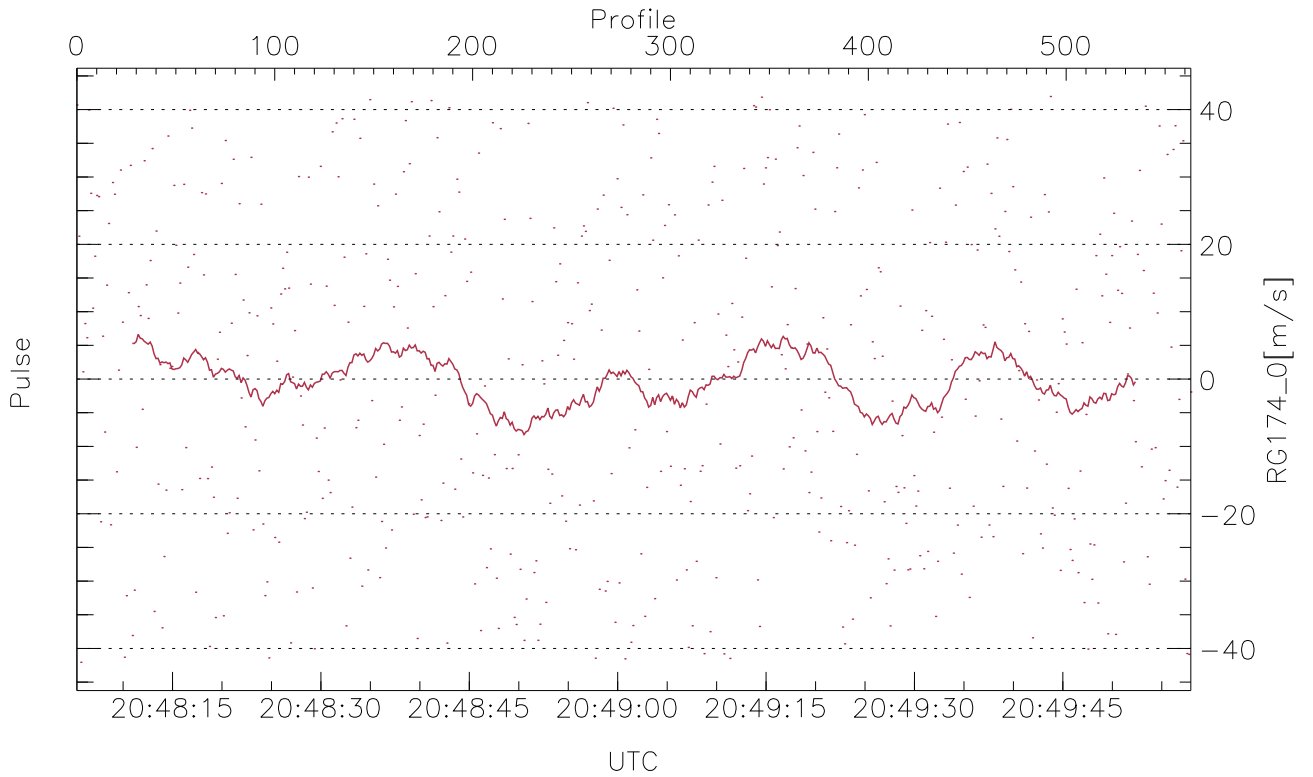
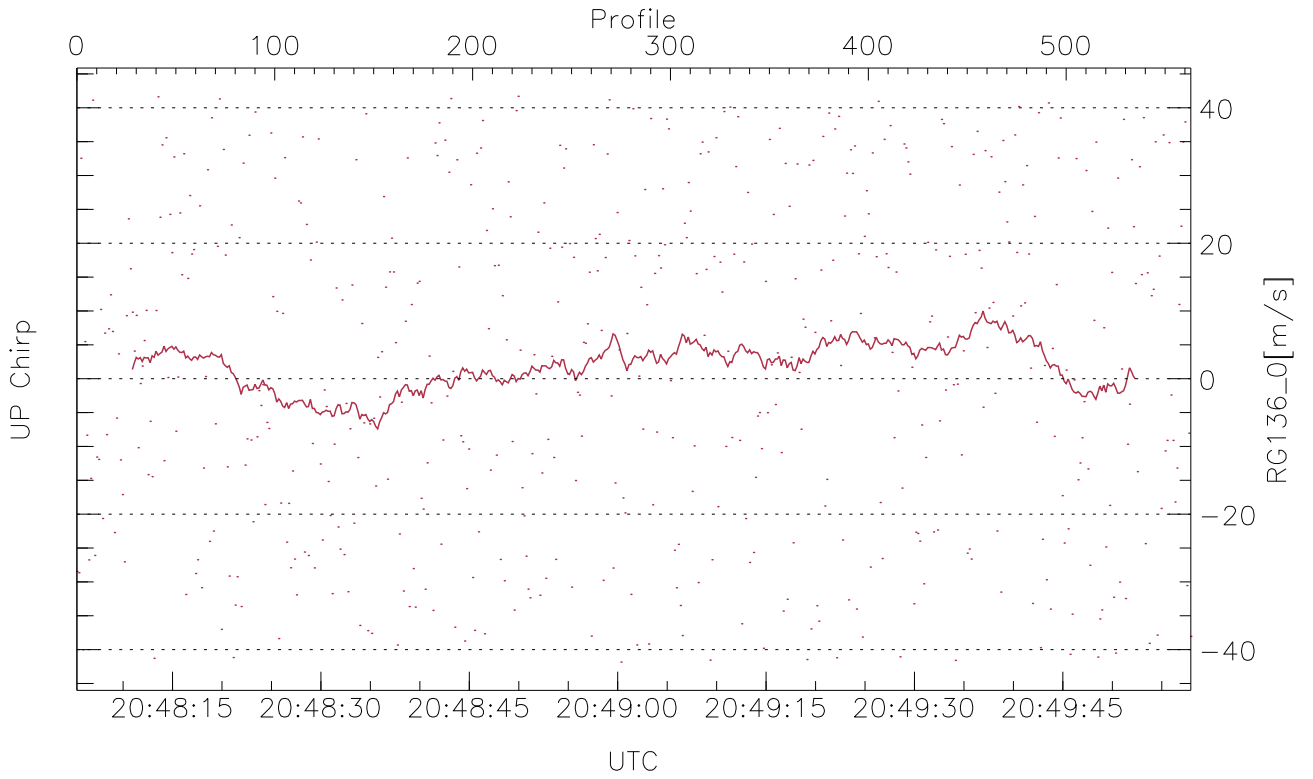
KPR SPP Averaged Received power for all recorded gates
blue: 204805-204901, 283 profiles averaged
red: 204901-204958, 282 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 204805-204901, 283 profiles averaged
red: 204901-204958, 282 profiles averaged

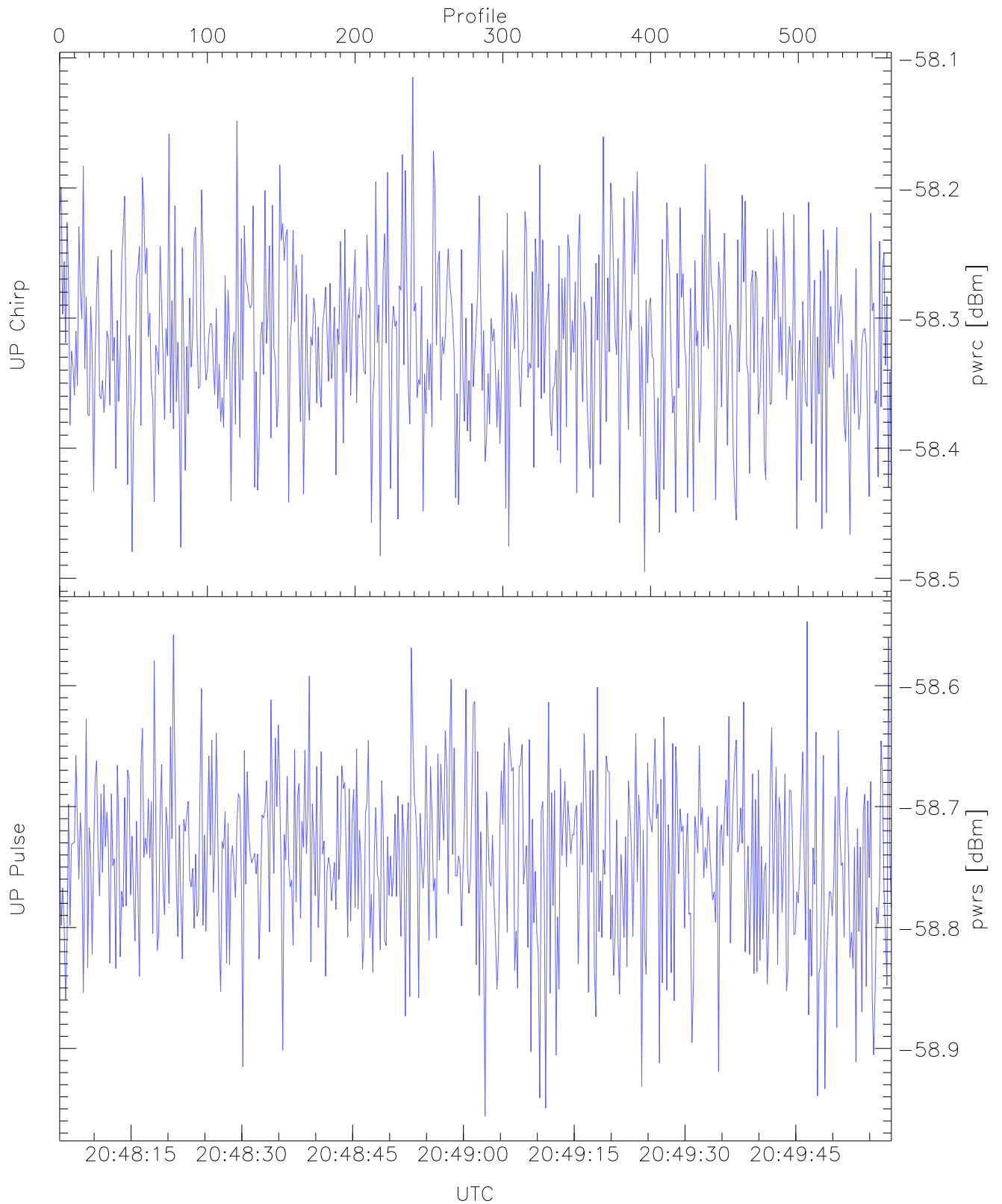


KPR SPP Averaged PP magnitude for all recorded gates
blue: 204805-204901, 283 profiles averaged
red: 204901-204958, 282 profiles averaged



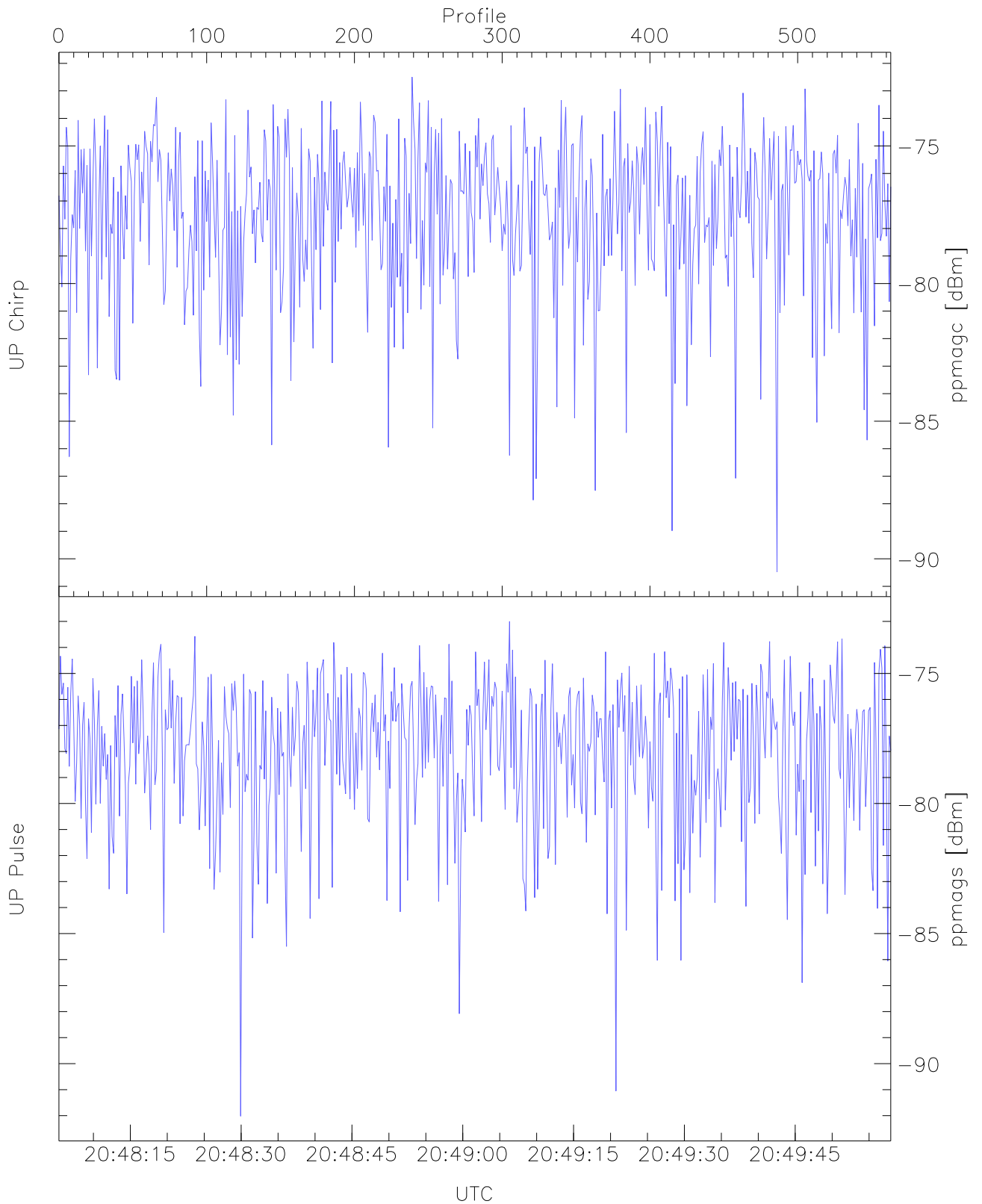
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG136_0	-41.84	41.69	1.57	2.05	24.22
UP_P_RG174_0	-42.05	41.95	0.11	1.51	23.56



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

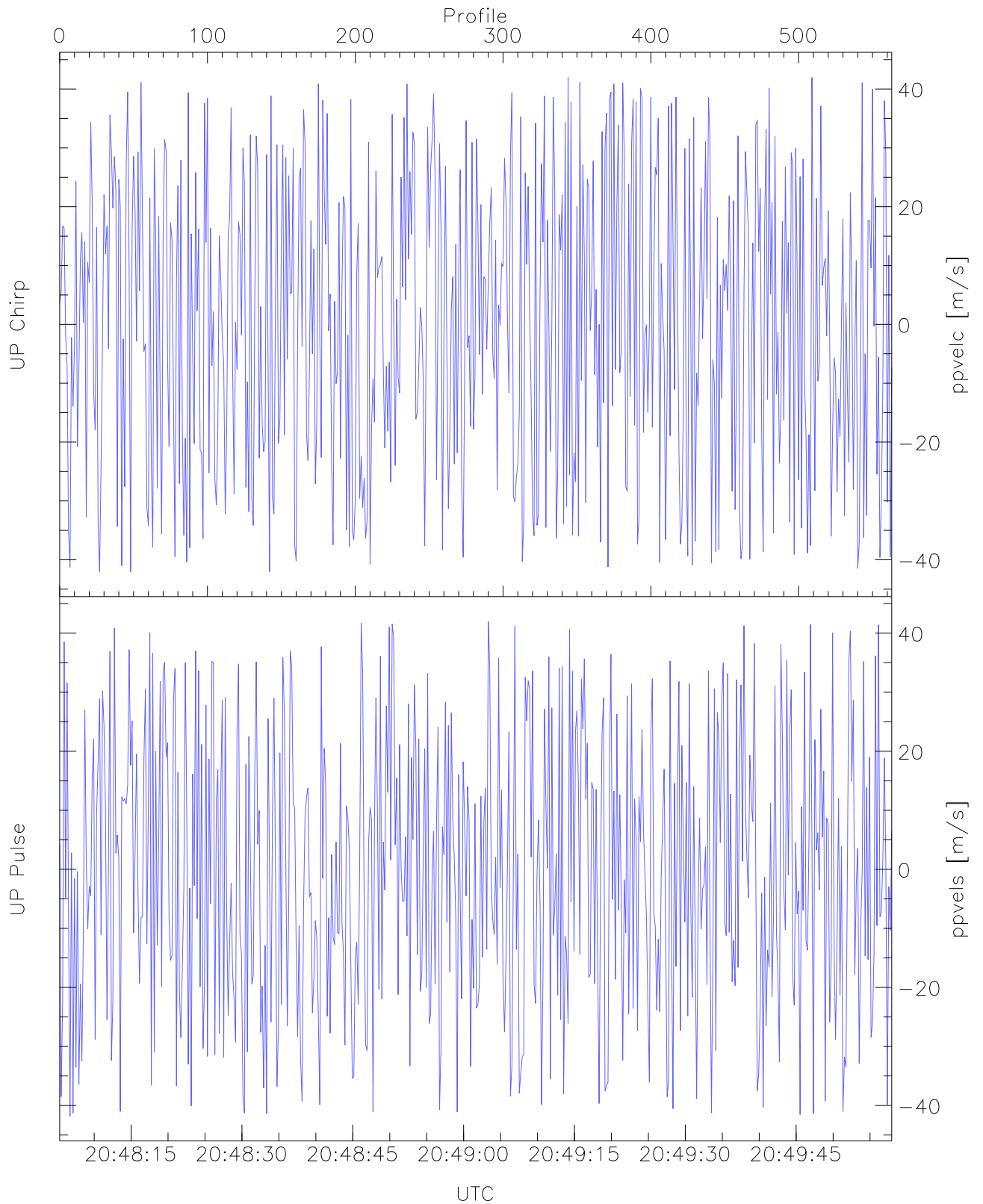
	Min	Max	Mean
UP Chirp(dBm)	-58.50	-58.11	-58.32
UP Pulse(dBm)	-58.96	-58.55	-58.74



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

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

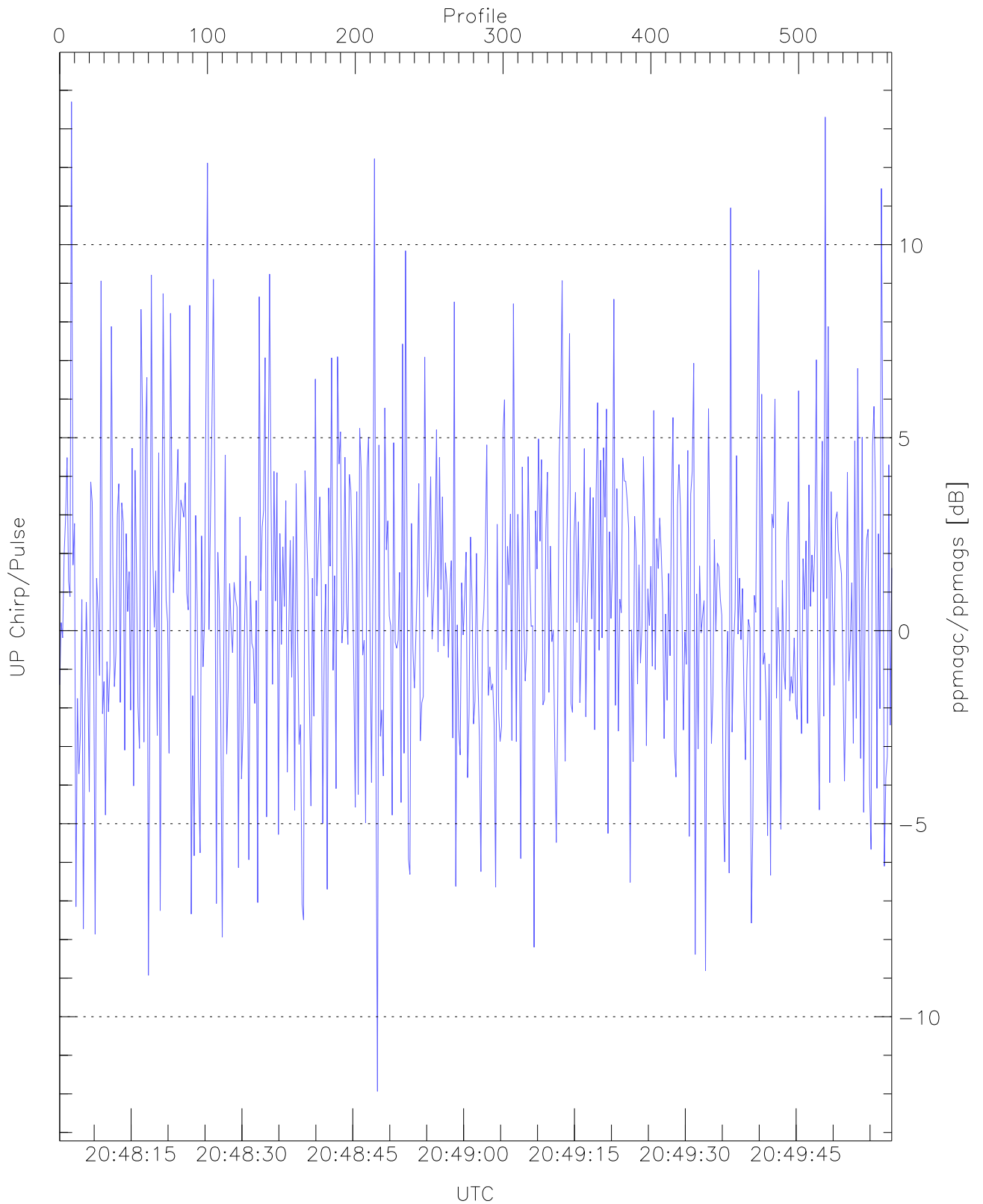
	Min	Max	Mean
UP Chirp(dBm)	-90.47	-72.50	-76.79
UP Pulse(dBm)	-92.02	-73.00	-77.30



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)	-42.06	42.03	0.15
UP Pulse(m/s)	-41.81	42.00	-0.62



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-11.94	13.70	2.42