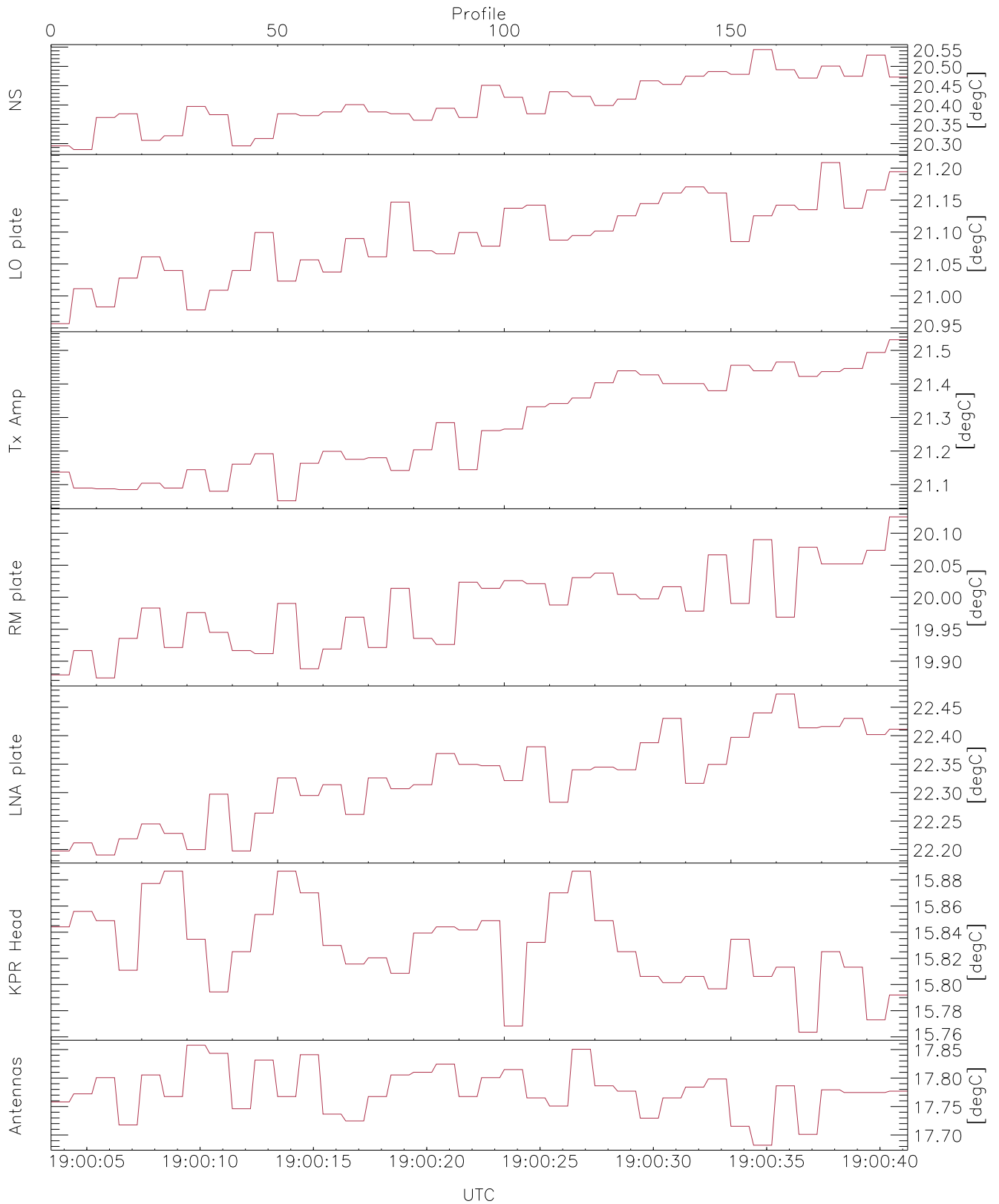


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 19:00:03-19:00:41, TimeCor: 0.00s, Dur: 37.80s
 TimeInt(min,max,mn,std): 199.9,200.1,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 190/190, 0-189/19:00:03-19:00:41
 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

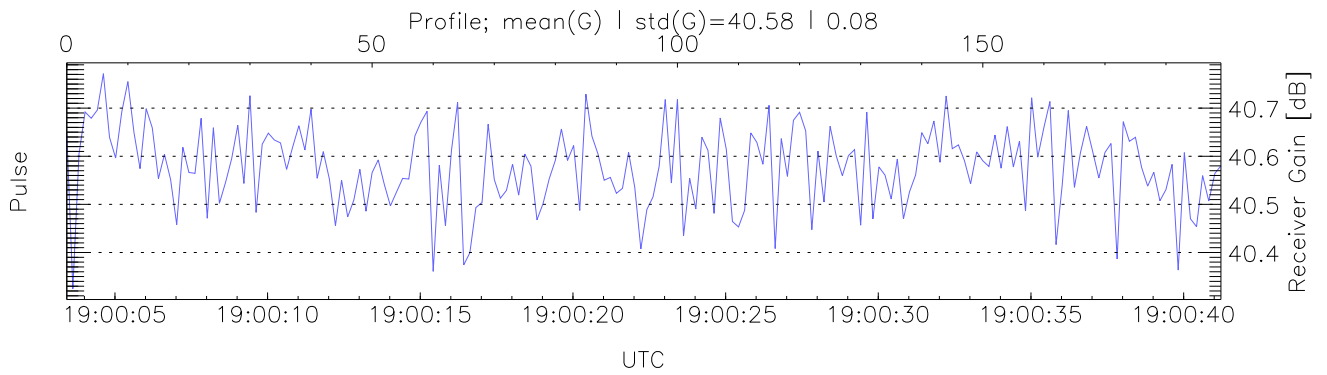
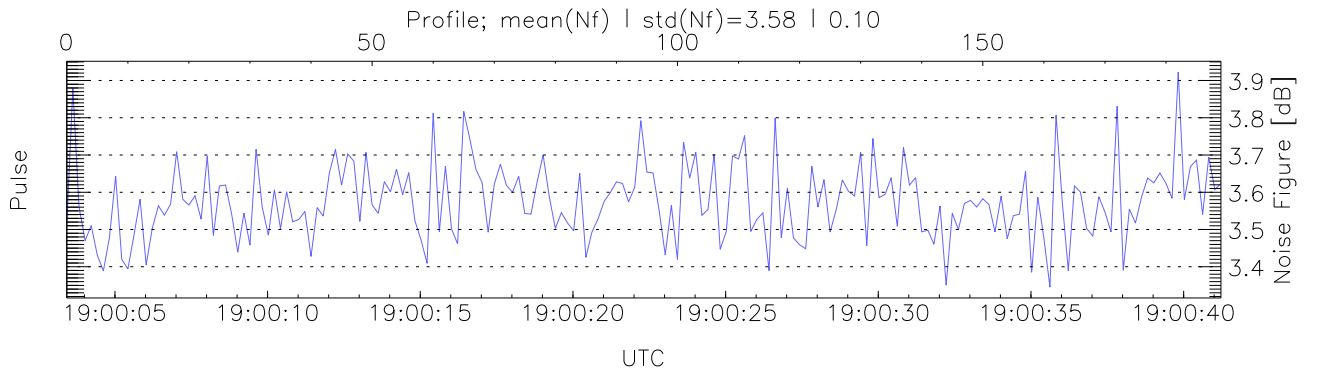
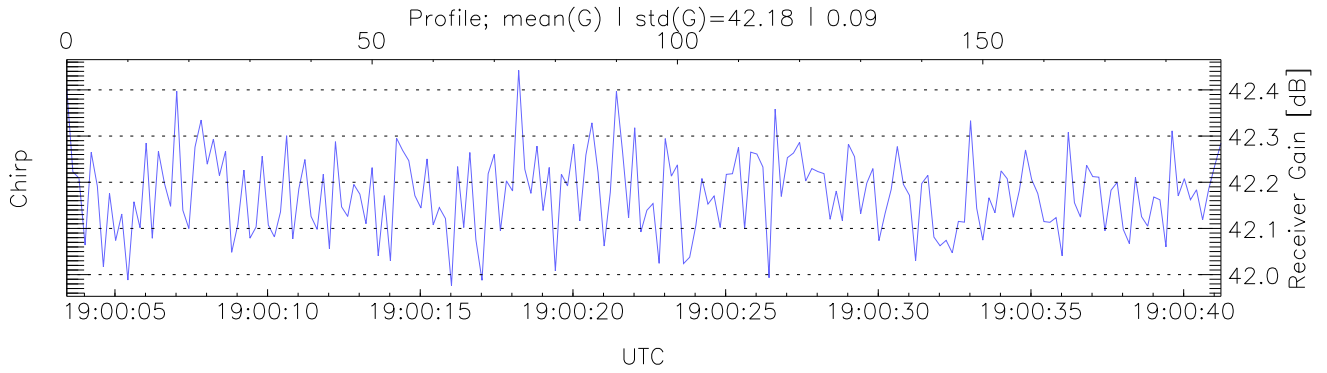
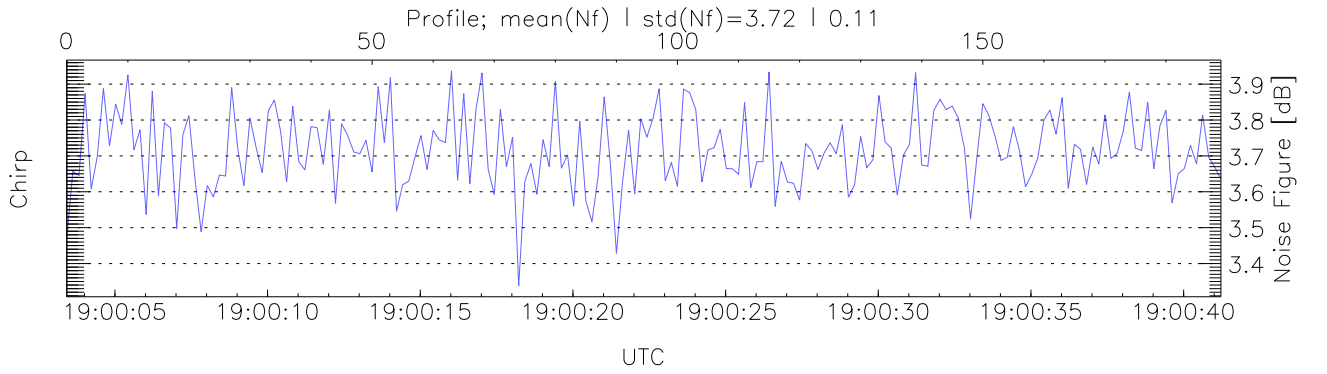


KPR SPP Temperatures, Power Supplies, PLO lock:

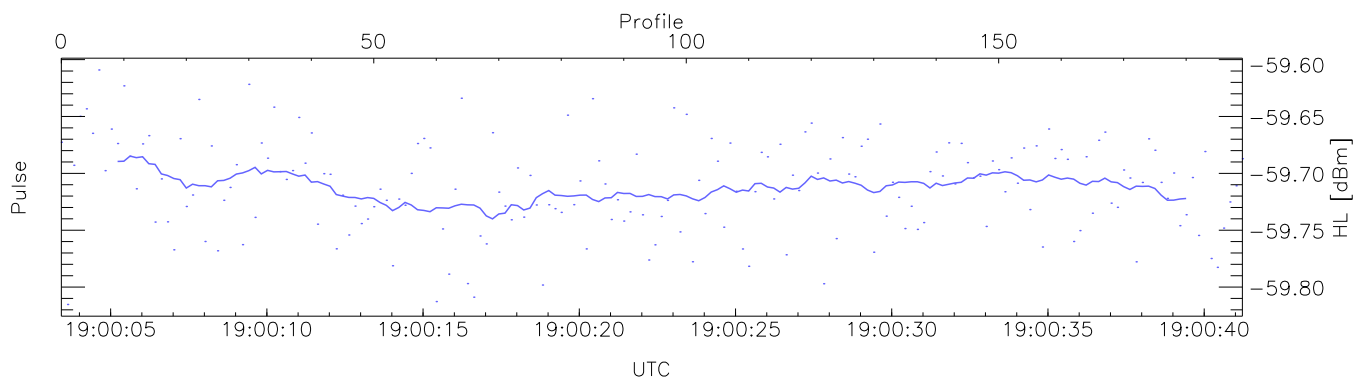
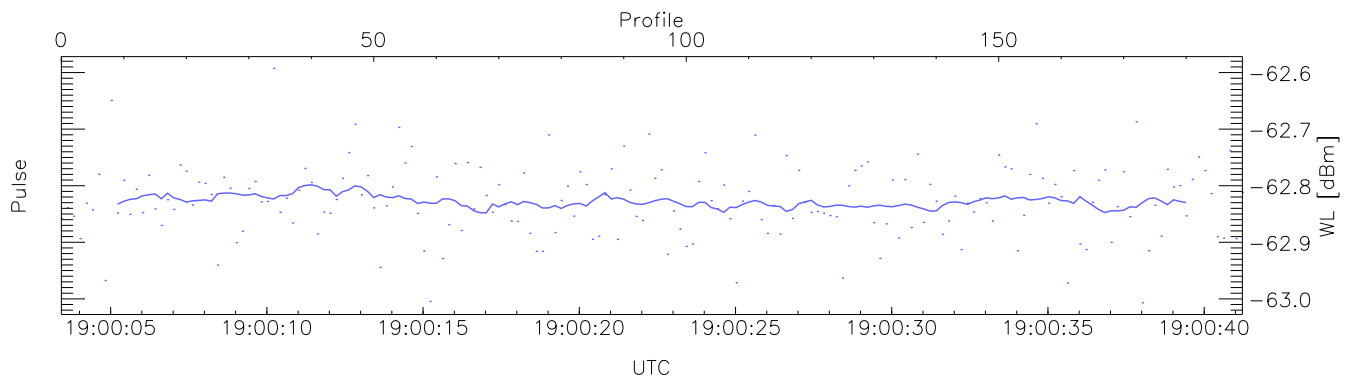
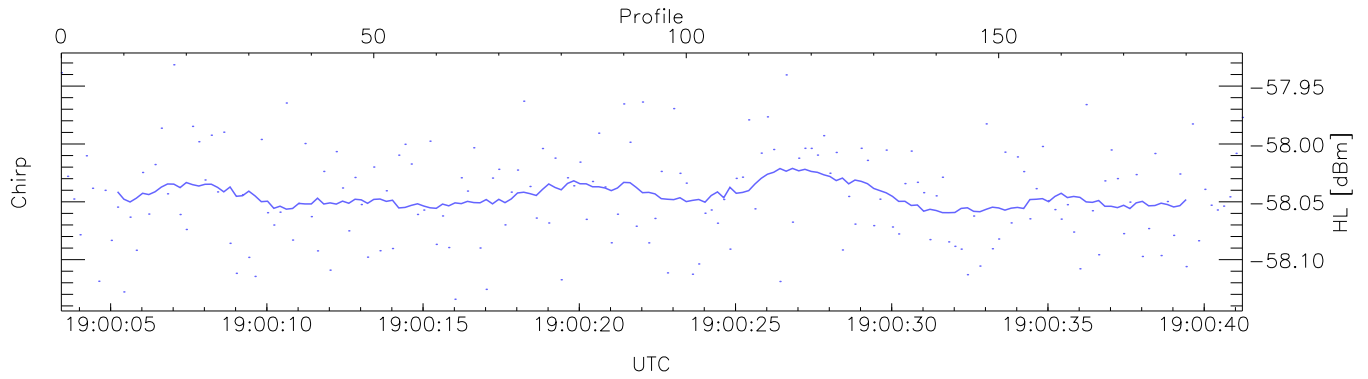
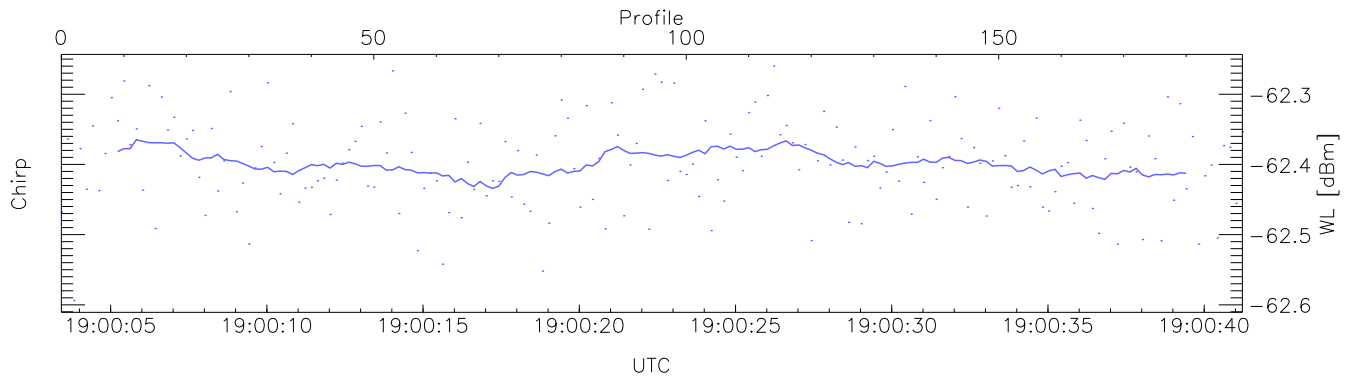
temperature: NS, LO, Tx, RM, LNA, Head, Ant
 mintempC: 20.3, 21.0, 21.1, 19.9, 22.2, 15.8, 17.7
 maxtempC: 20.5, 21.2, 21.5, 20.1, 22.5, 15.9, 17.9
 meantempC: 20.4, 21.1, 21.3, 20.0, 22.3, 15.8, 17.8

PwrSply: 28, 12, 8, 5 VDC
 minVDC: 27.31, 11.68, 7.88, 5.22
 maxVDC: 27.50, 11.72, 7.89, 5.23
 meanVDC: 27.43, 11.70, 7.88, 5.22

PLO(3.84,15.84 GHz) unlocked: None

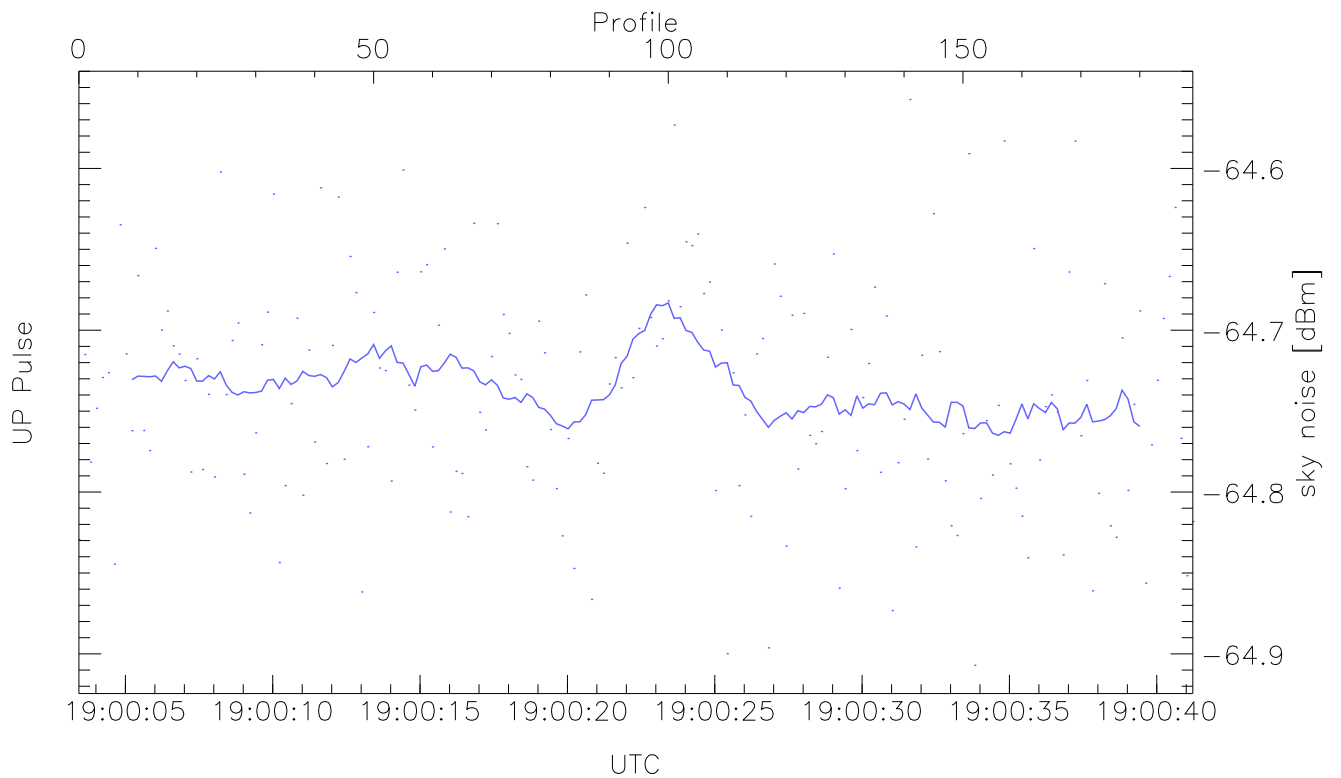
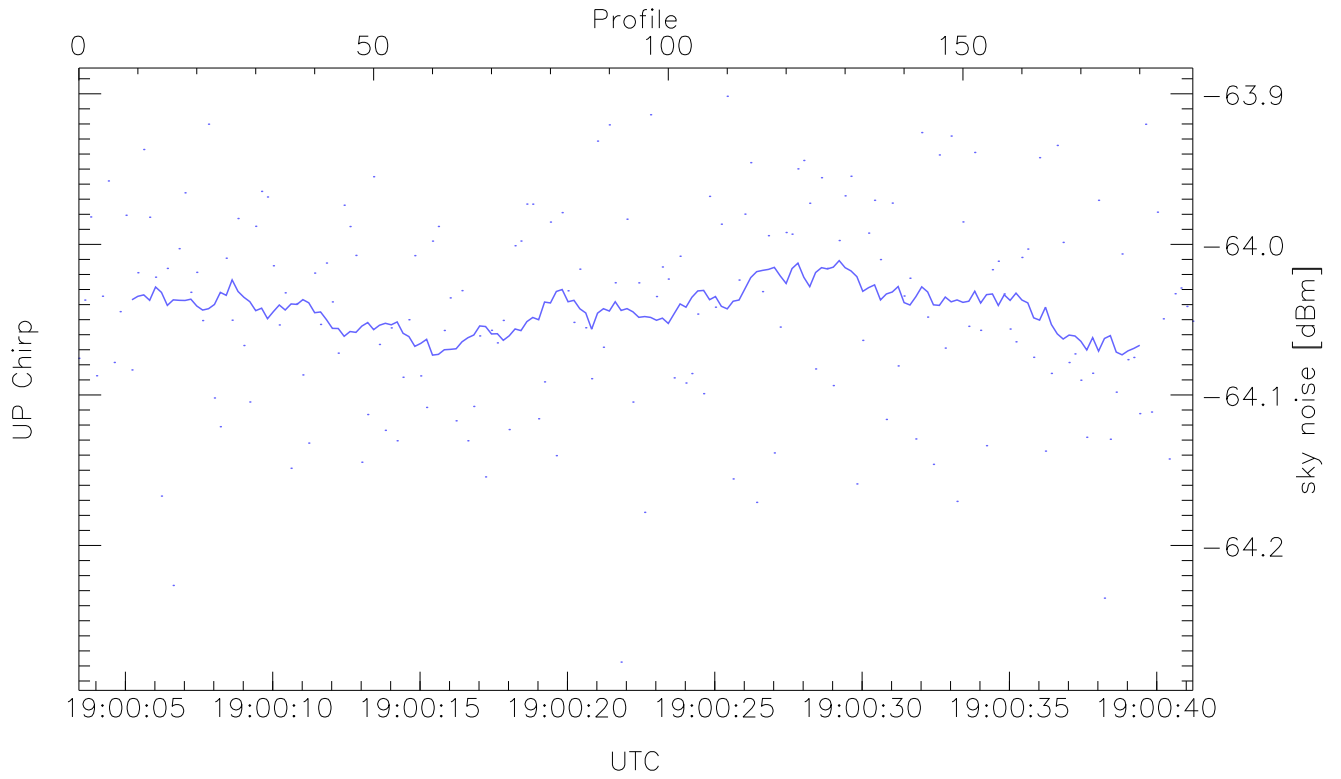


KPR SPP Receiver Gain and Noise Figure



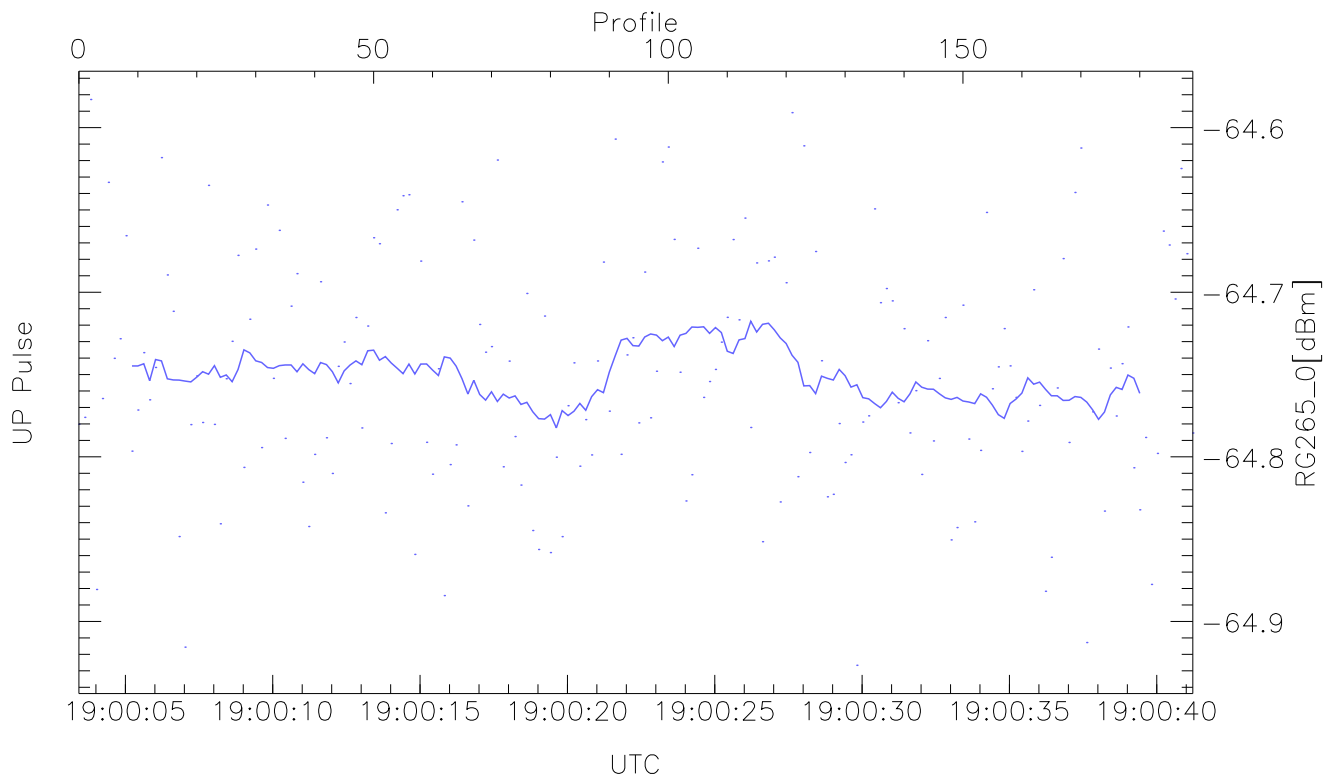
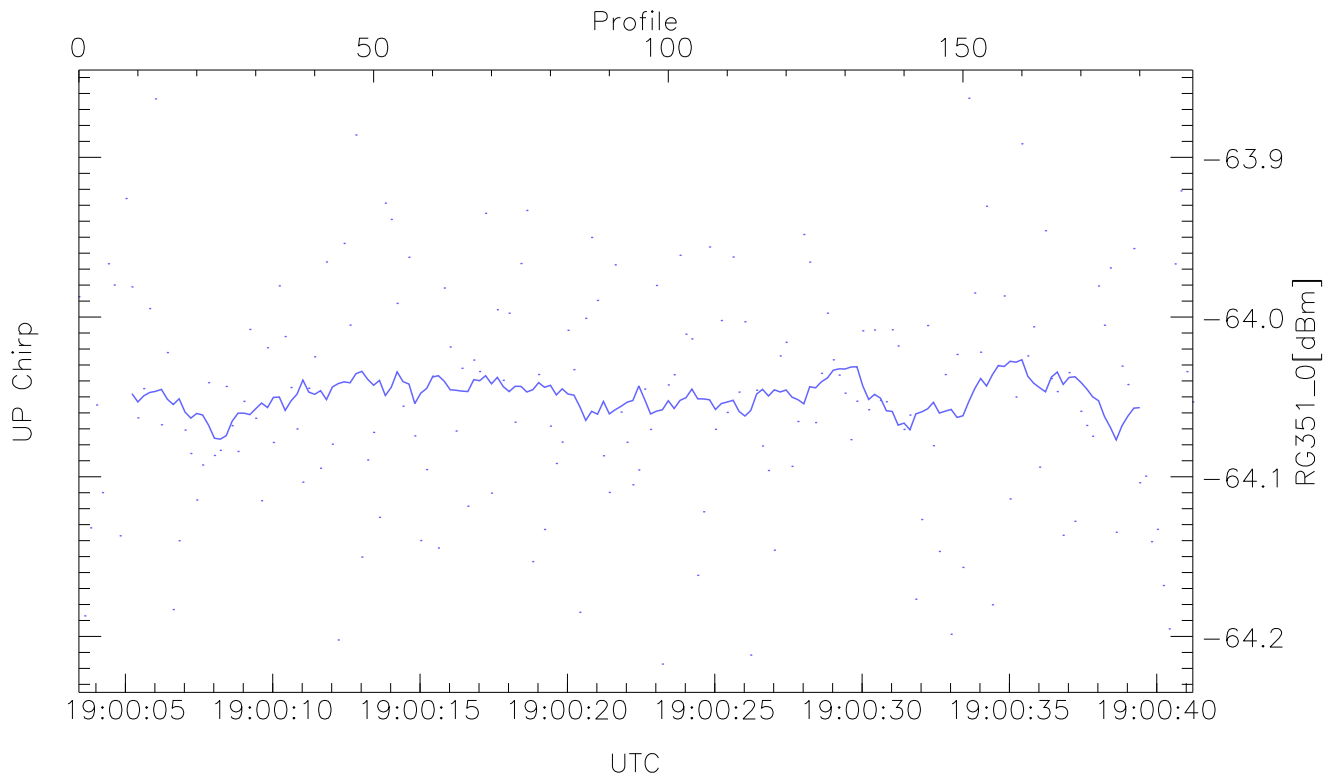
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.59	-62.26	-62.40	-62.40	-80.81
Chirp(HL [dBm])	-58.13	-57.93	-58.04	-58.05	-78.28
Pulse(WL [dBm])	-63.01	-62.59	-62.83	-62.83	-81.17
Pulse(HL [dBm])	-59.82	-59.61	-59.71	-59.71	-79.99



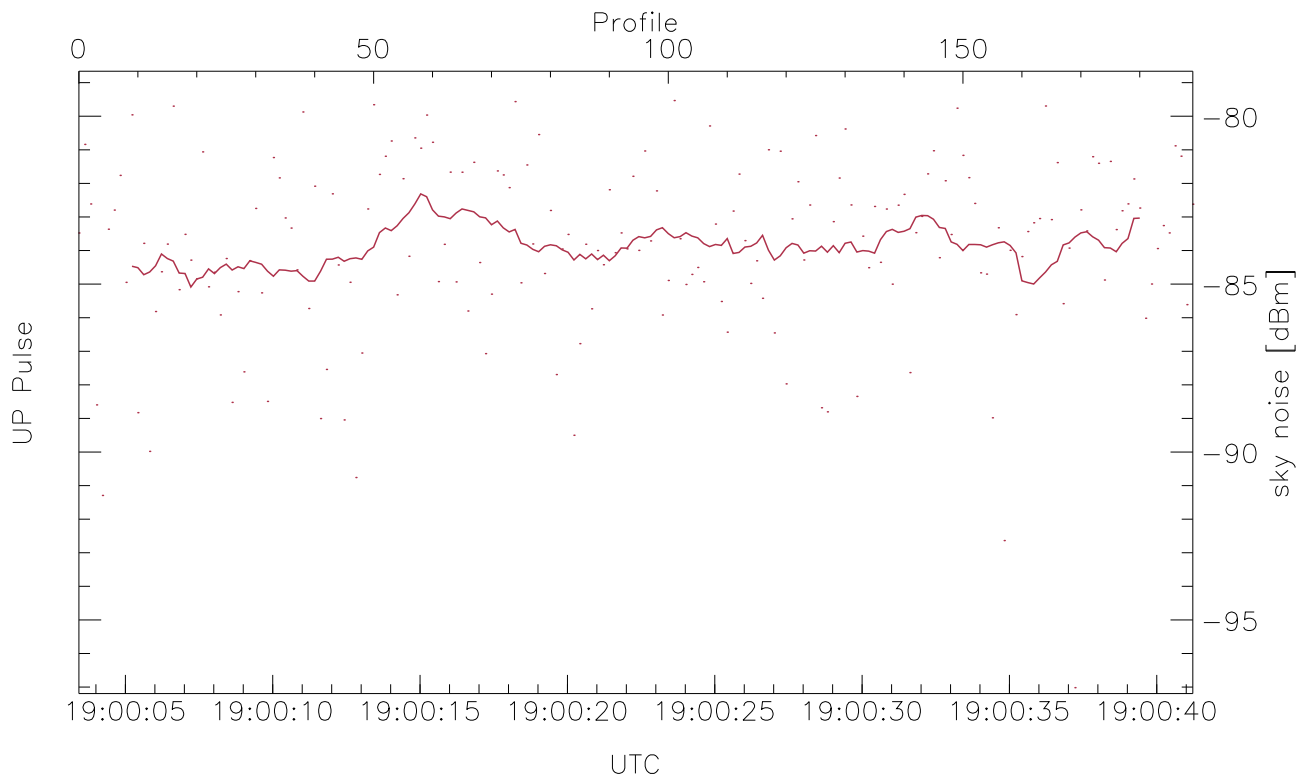
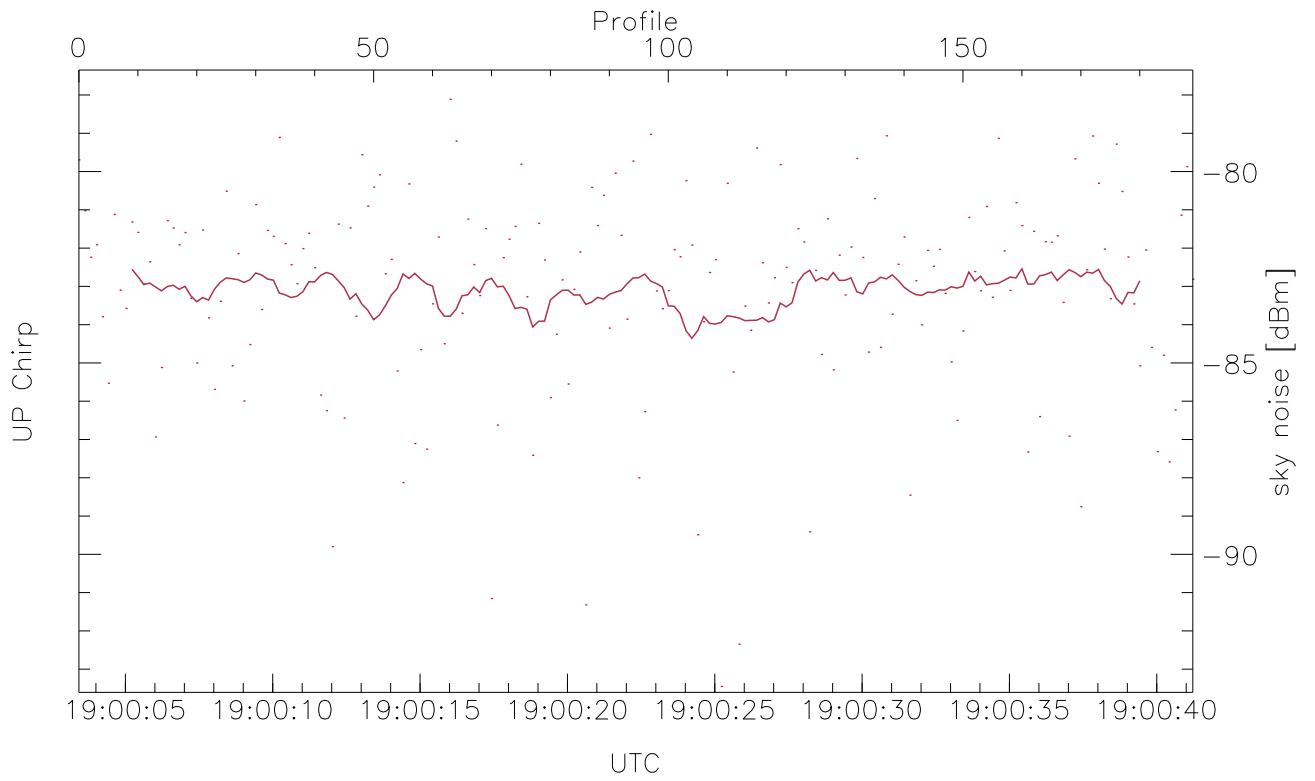
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.28	-63.90	-64.04	-64.04	-82.14
UP Pulse(dBm)	-64.91	-64.56	-64.74	-64.73	-82.67



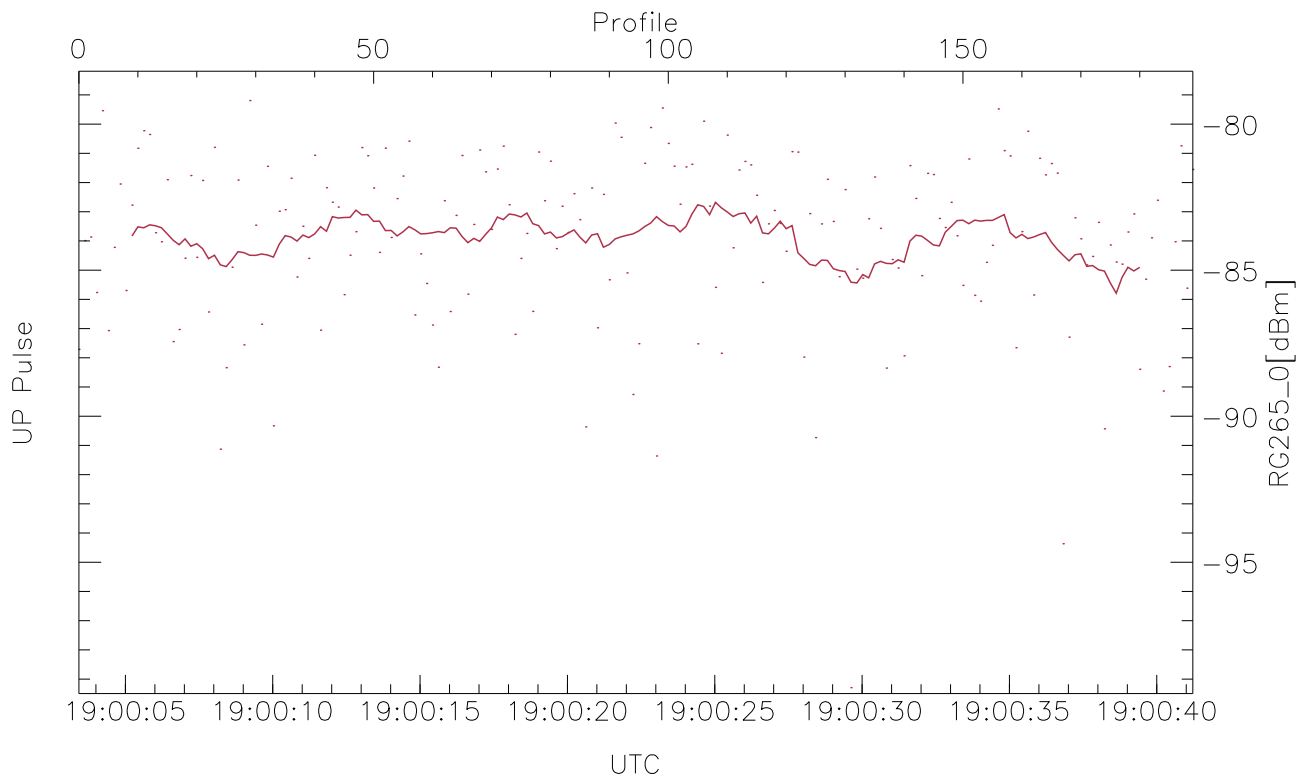
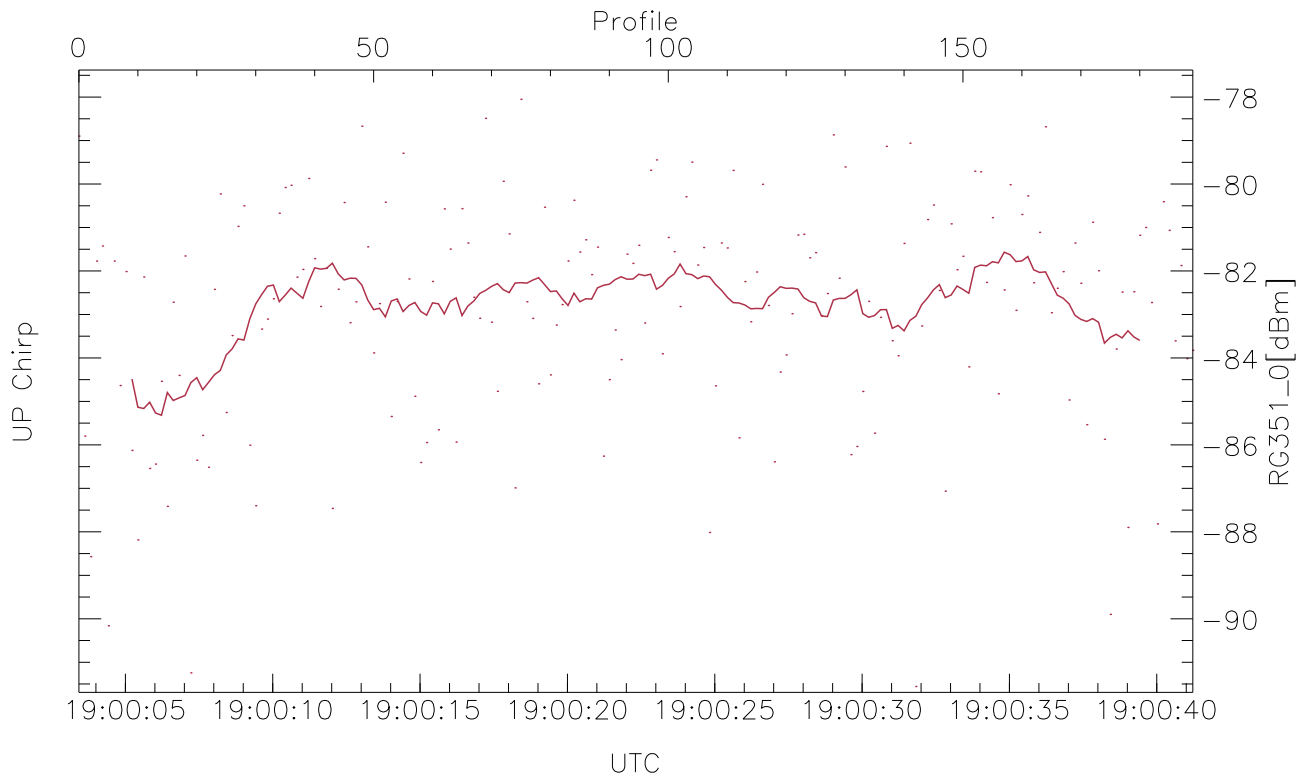
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG351_0	-64.22	-63.86	-64.05	-64.05	-82.02
UP_P_RG265_0	-64.93	-64.58	-64.75	-64.75	-82.67



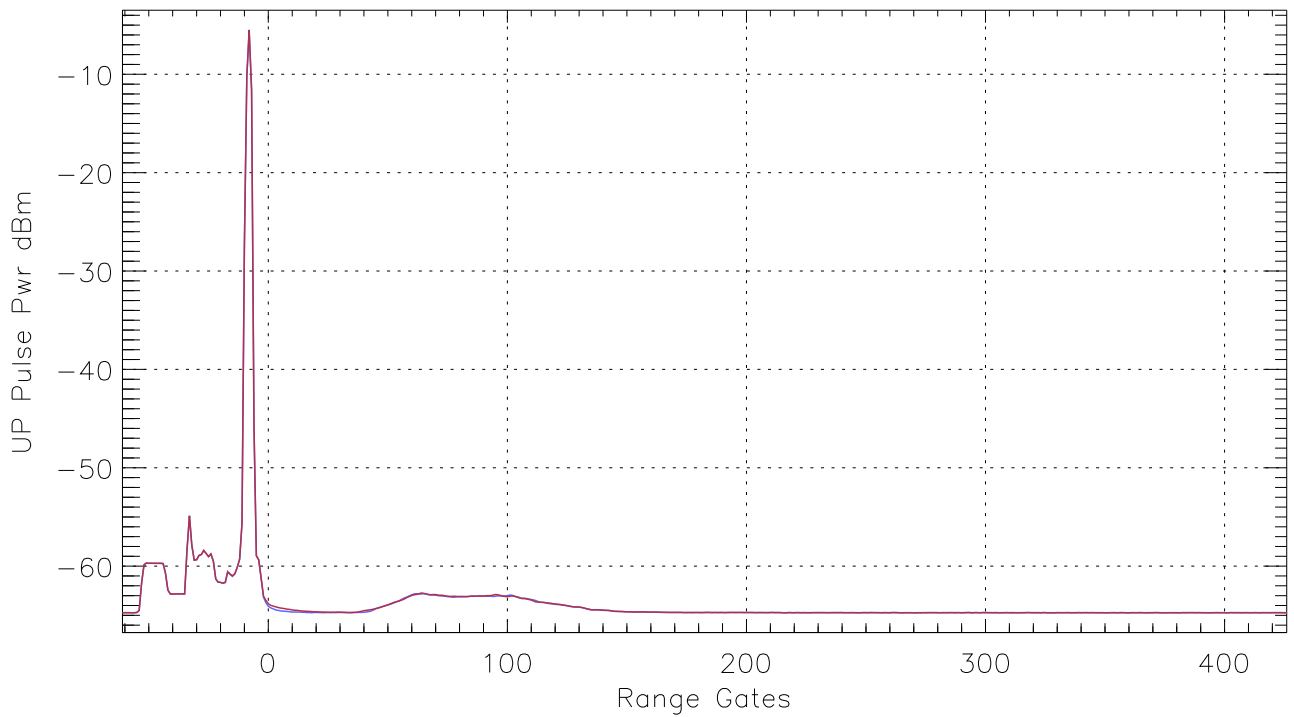
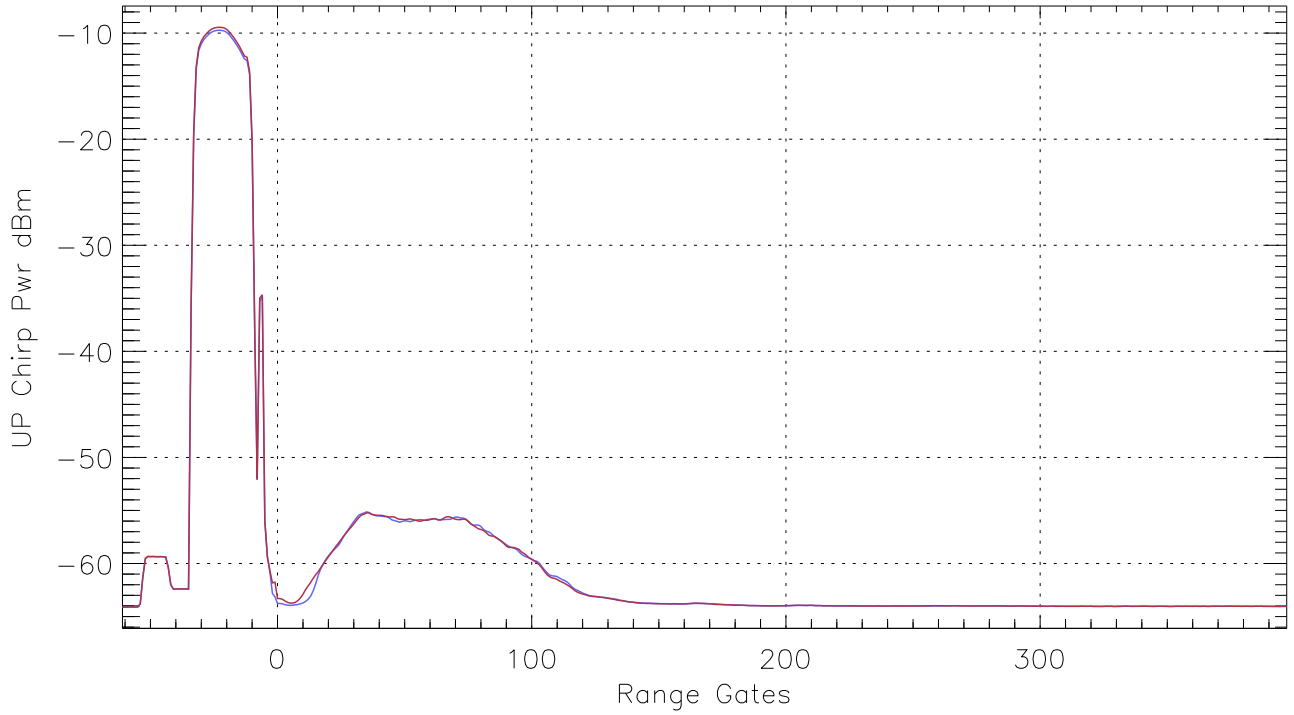
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-93.45	-78.11	-82.45	-82.50	-85.49
UP Pulse(dBm)	-97.02	-79.53	-83.22	-83.52	-86.21

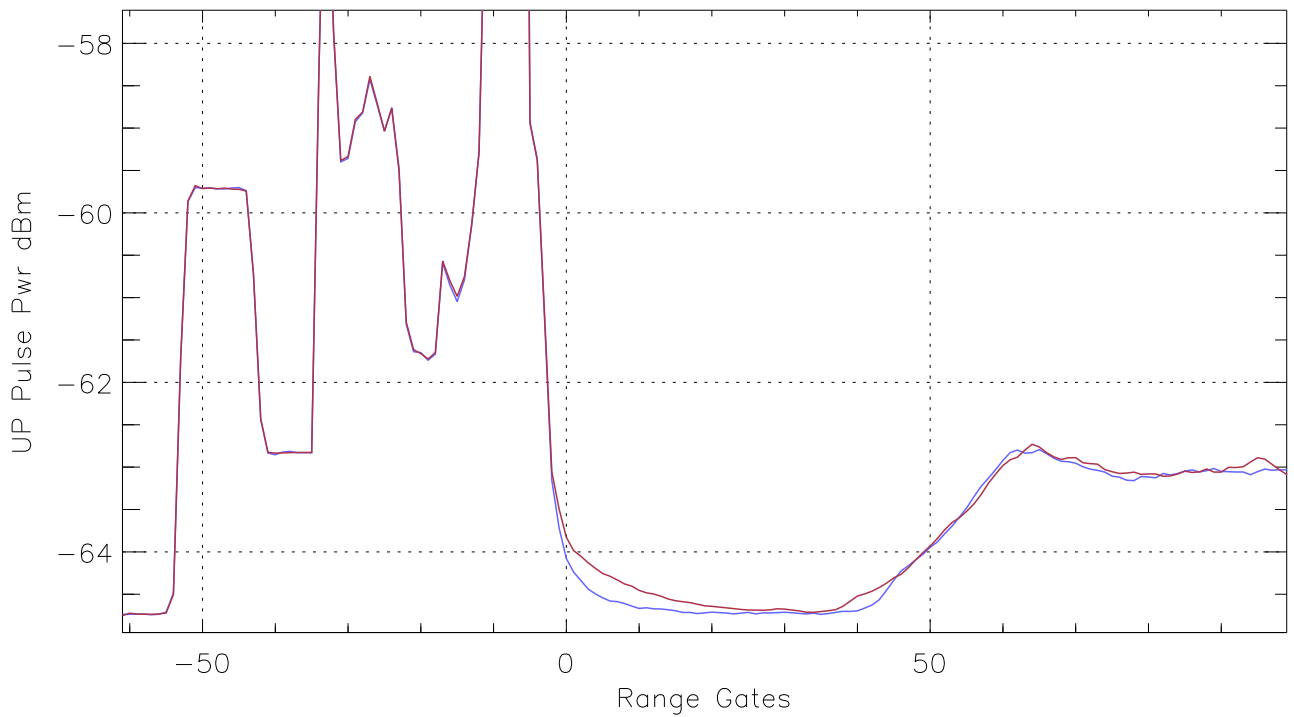
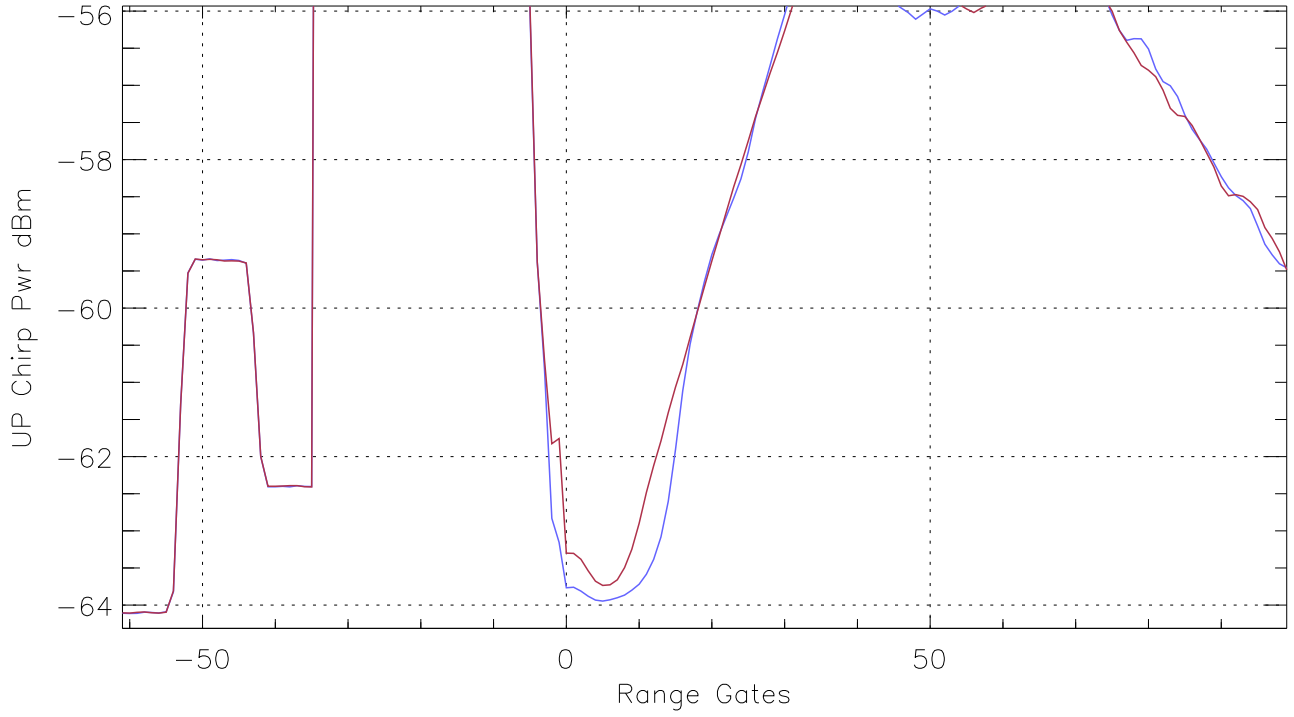


KPR SPP "Best" PPMAG noise (dBm):

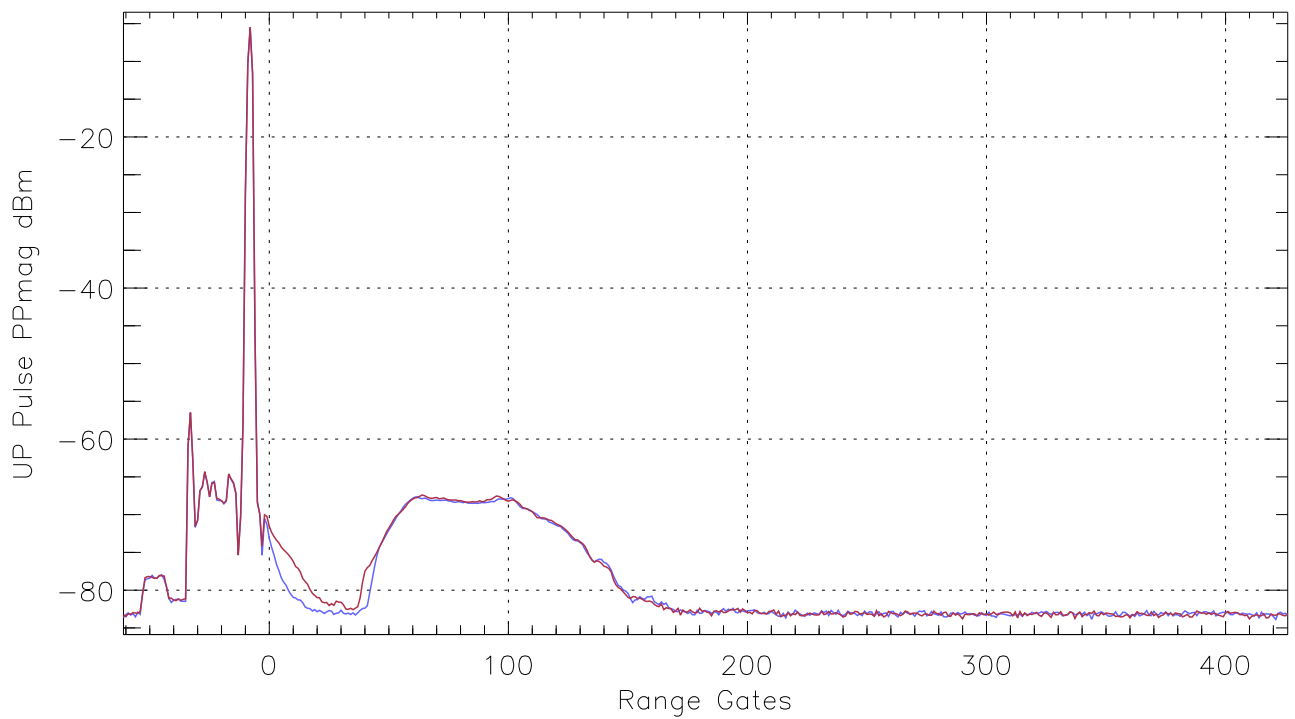
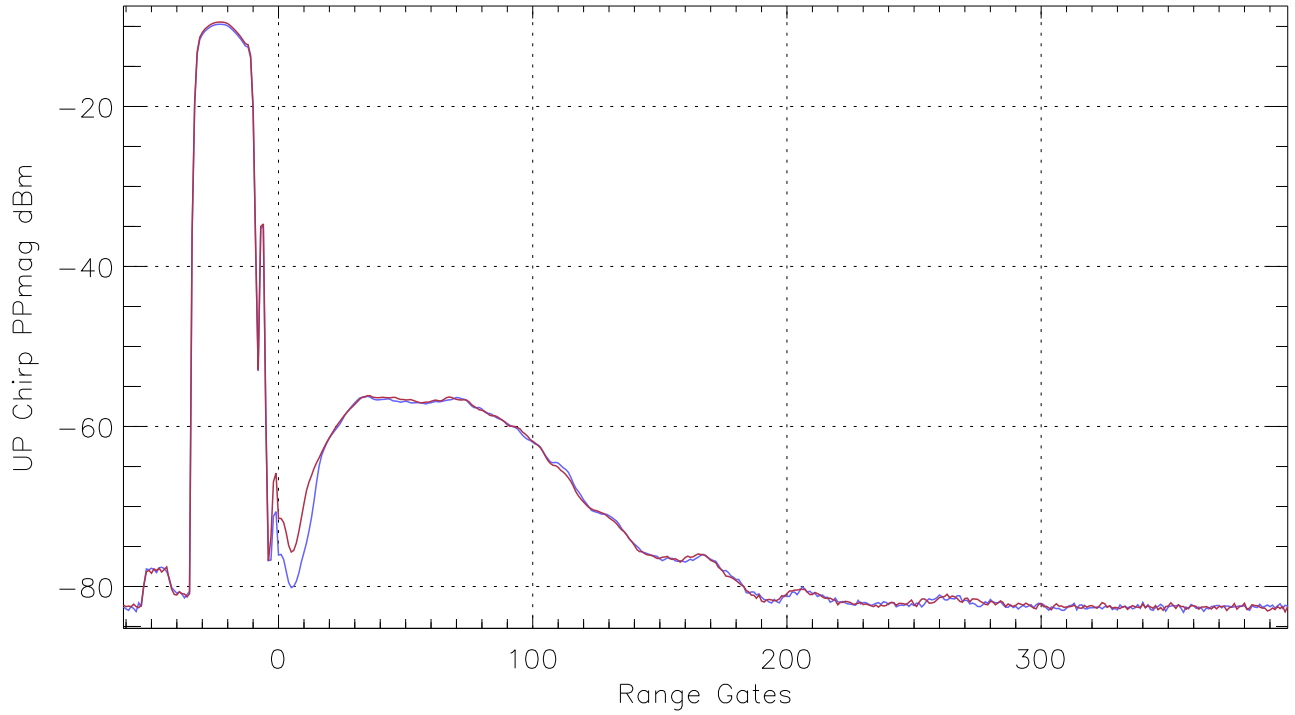
	Min	Max	Mean	Median	StDev
UP_C_RG351_0	-91.56	-78.05	-82.25	-82.42	-85.29
UP_P_RG265_0	-99.29	-79.19	-83.17	-83.46	-85.97



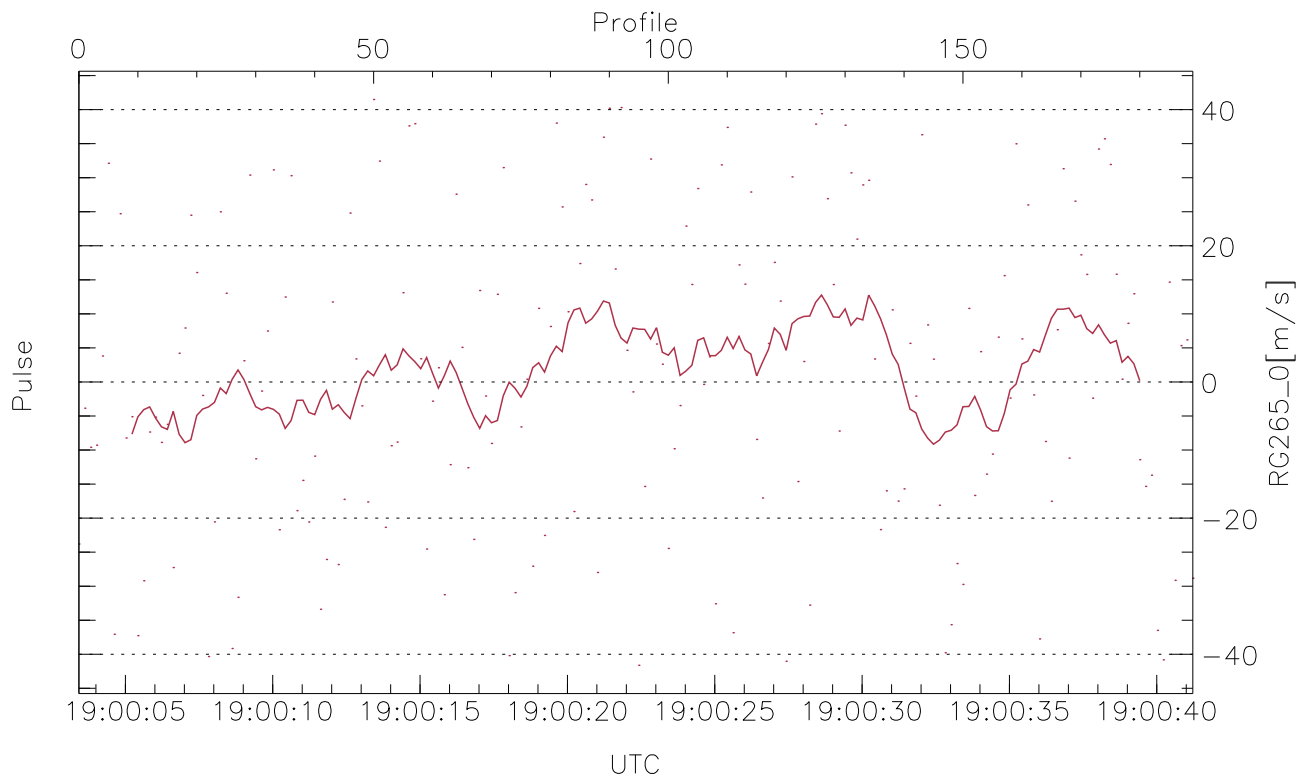
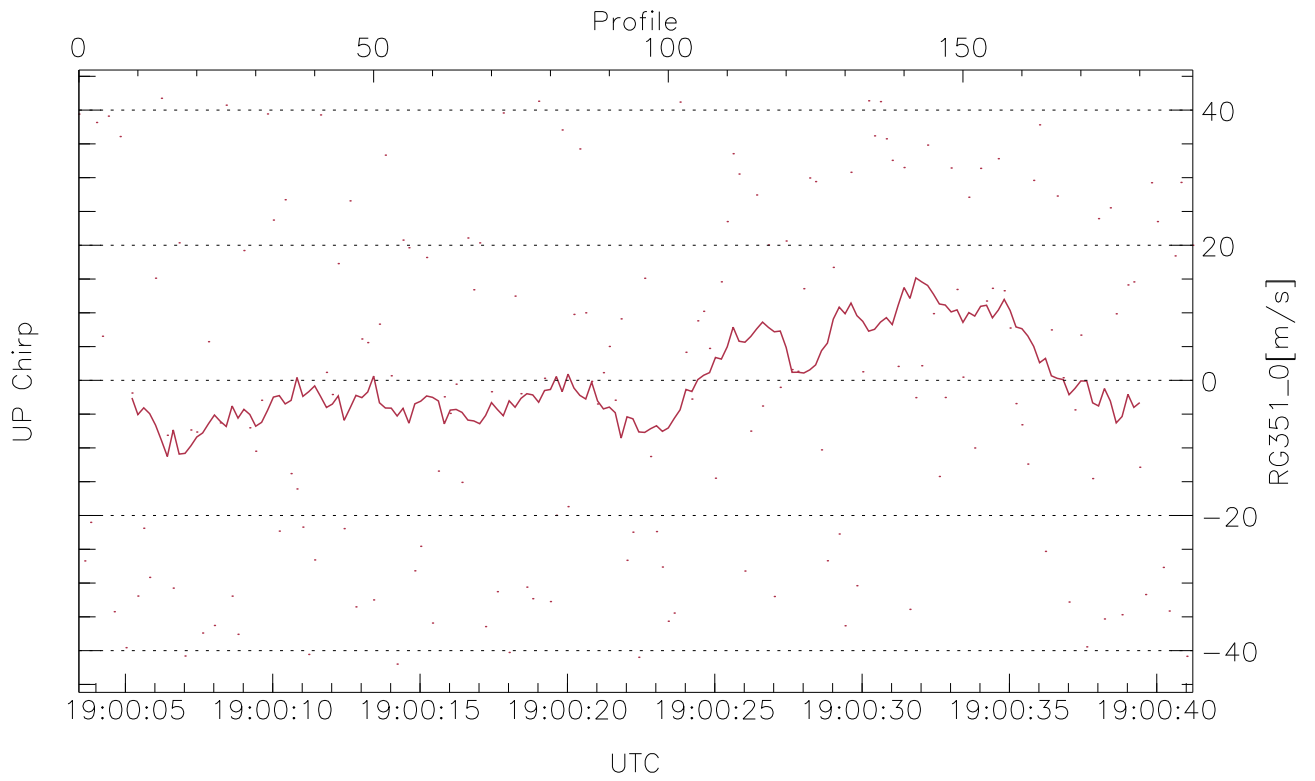
KPR SPP Averaged Received power for all recorded gates
blue: 190003-190022, 96 profiles averaged
red: 190022-190041, 95 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 190003-190022, 96 profiles averaged
red: 190022-190041, 95 profiles averaged

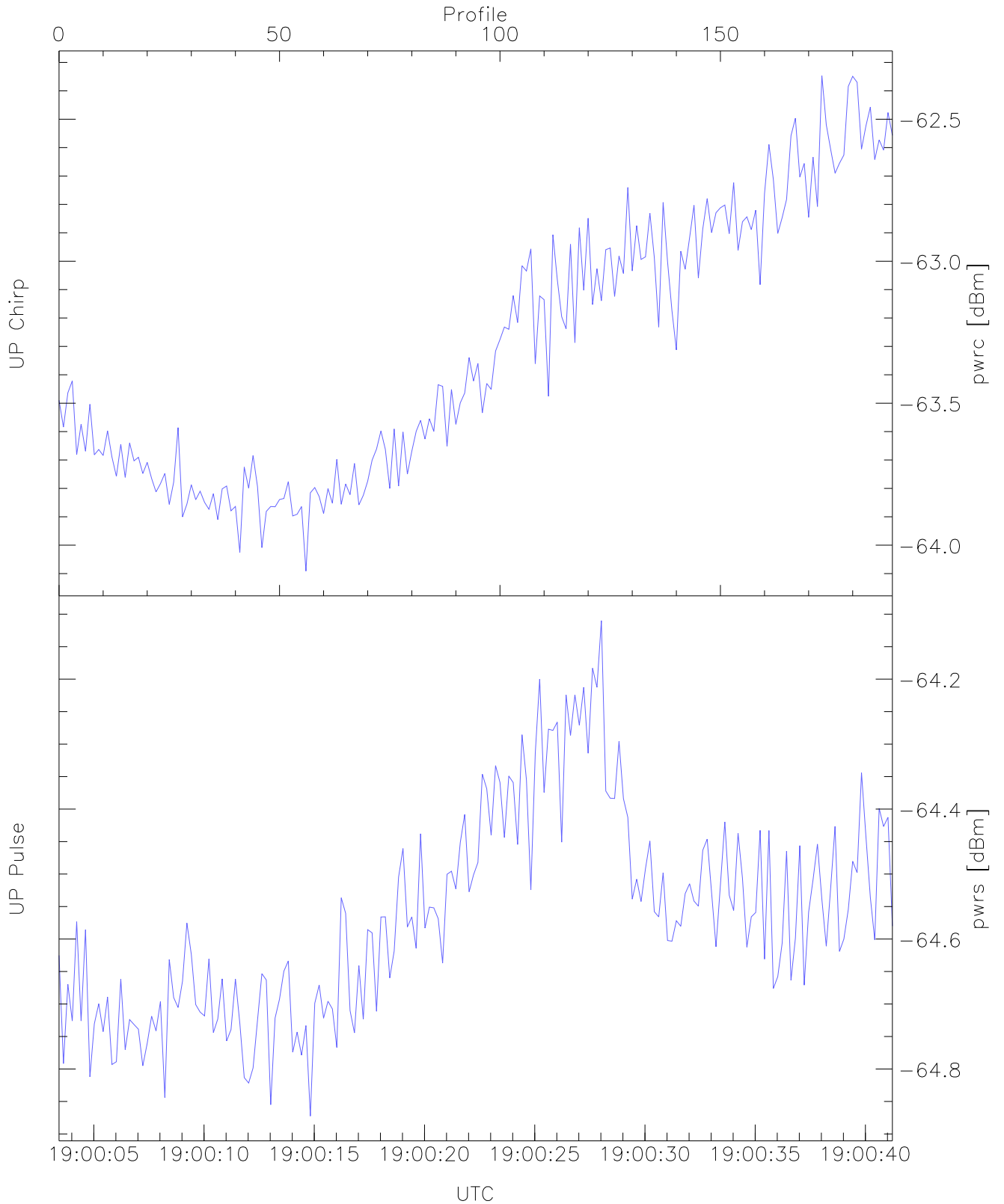


KPR SPP Averaged PP magnitude for all recorded gates
blue: 190003-190022, 96 profiles averaged
red: 190022-190041, 95 profiles averaged



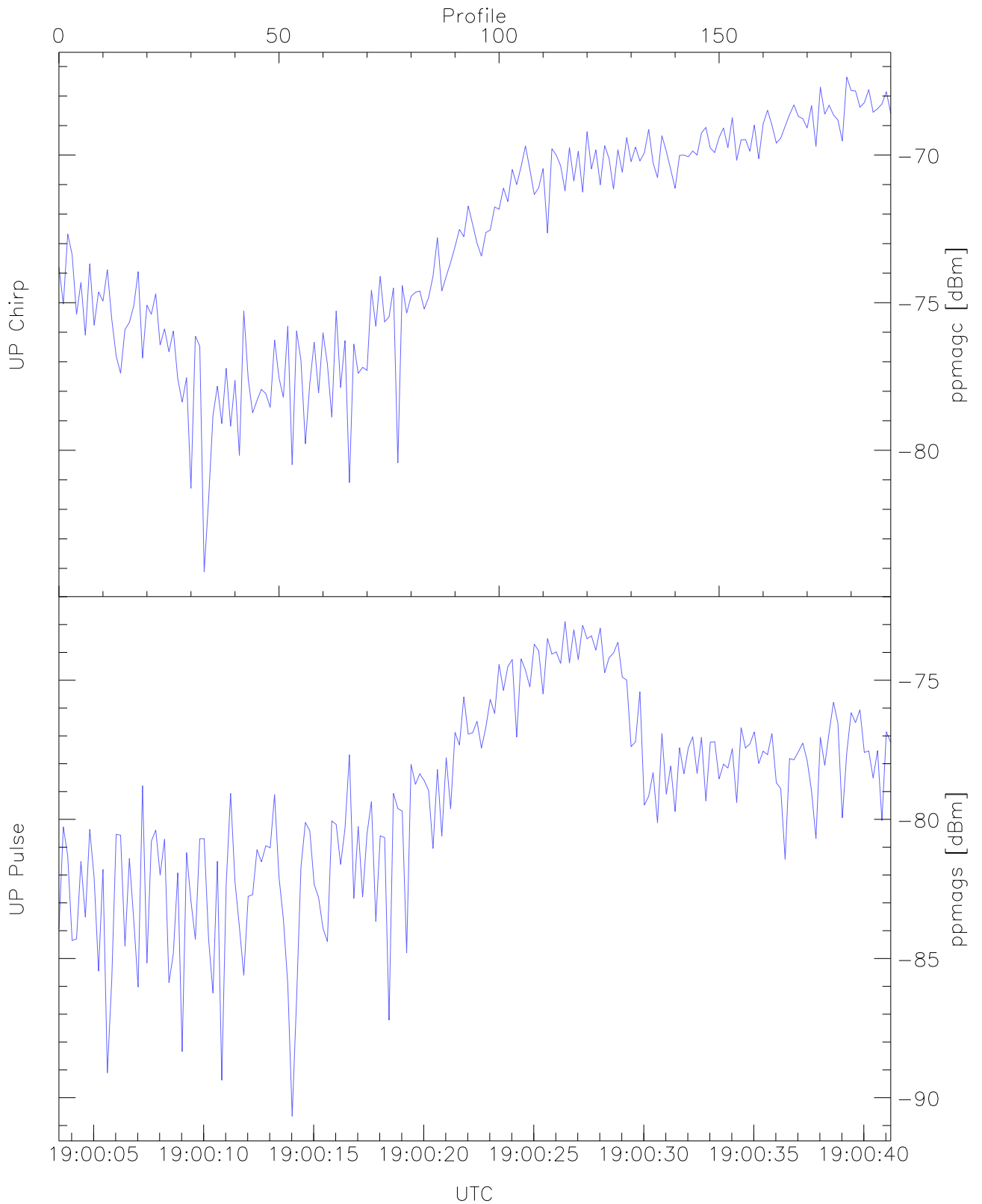
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG351_0	-41.99	41.74	0.07	0.48	24.63
UP_P_RG265_0	-41.62	41.49	0.87	2.61	22.48



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

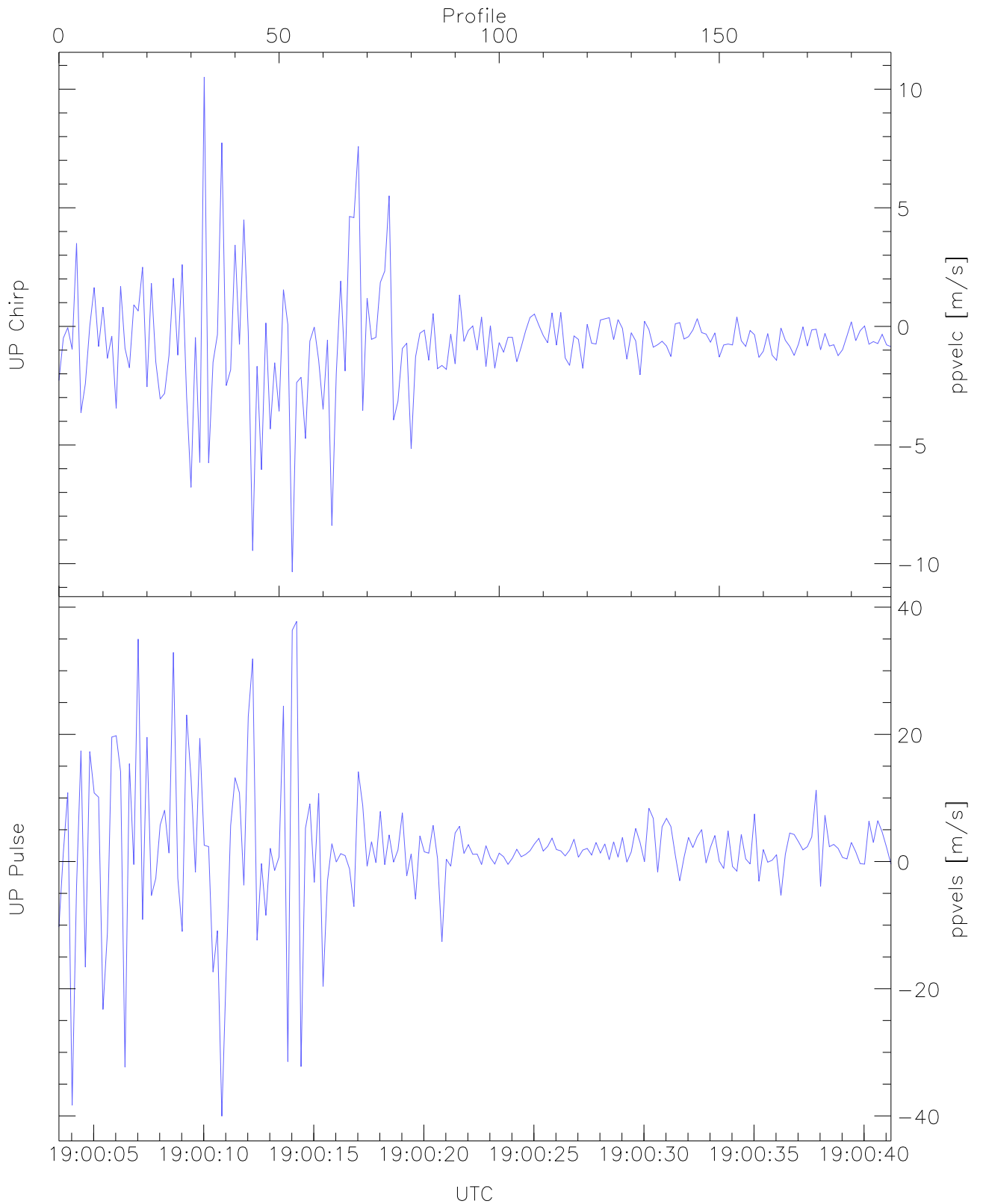
	Min	Max	Mean
UP Chirp(dBm)	-64.09	-62.35	-63.29
UP Pulse(dBm)	-64.87	-64.11	-64.56



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

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

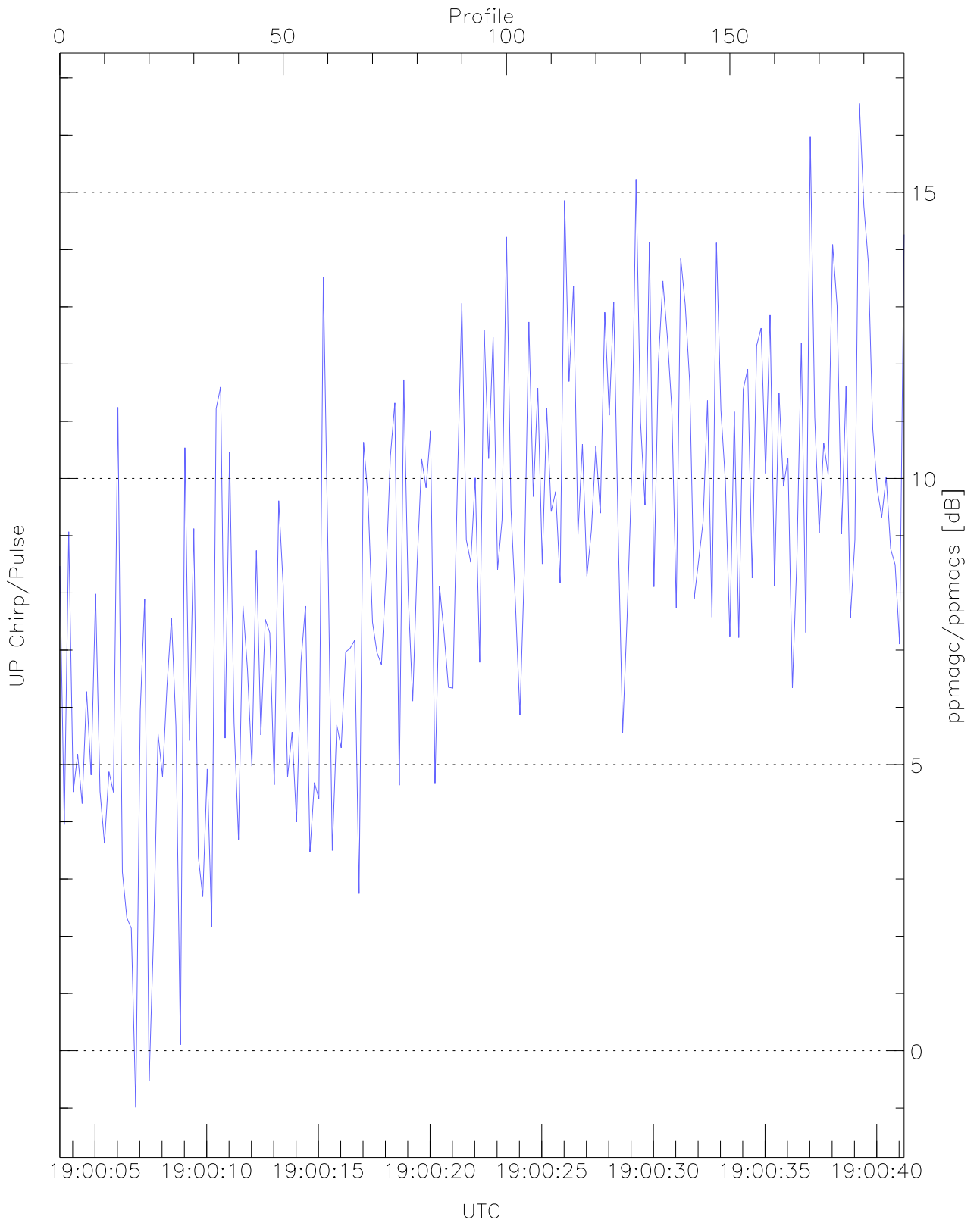
	Min	Max	Mean
UP Chirp(dBm)	-84.12	-67.36	-71.70
UP Pulse(dBm)	-90.66	-72.89	-77.98



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)	-10.35	10.51	-0.67
UP Pulse(m/s)	-40.04	37.77	2.03



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-0.99	16.56	9.78