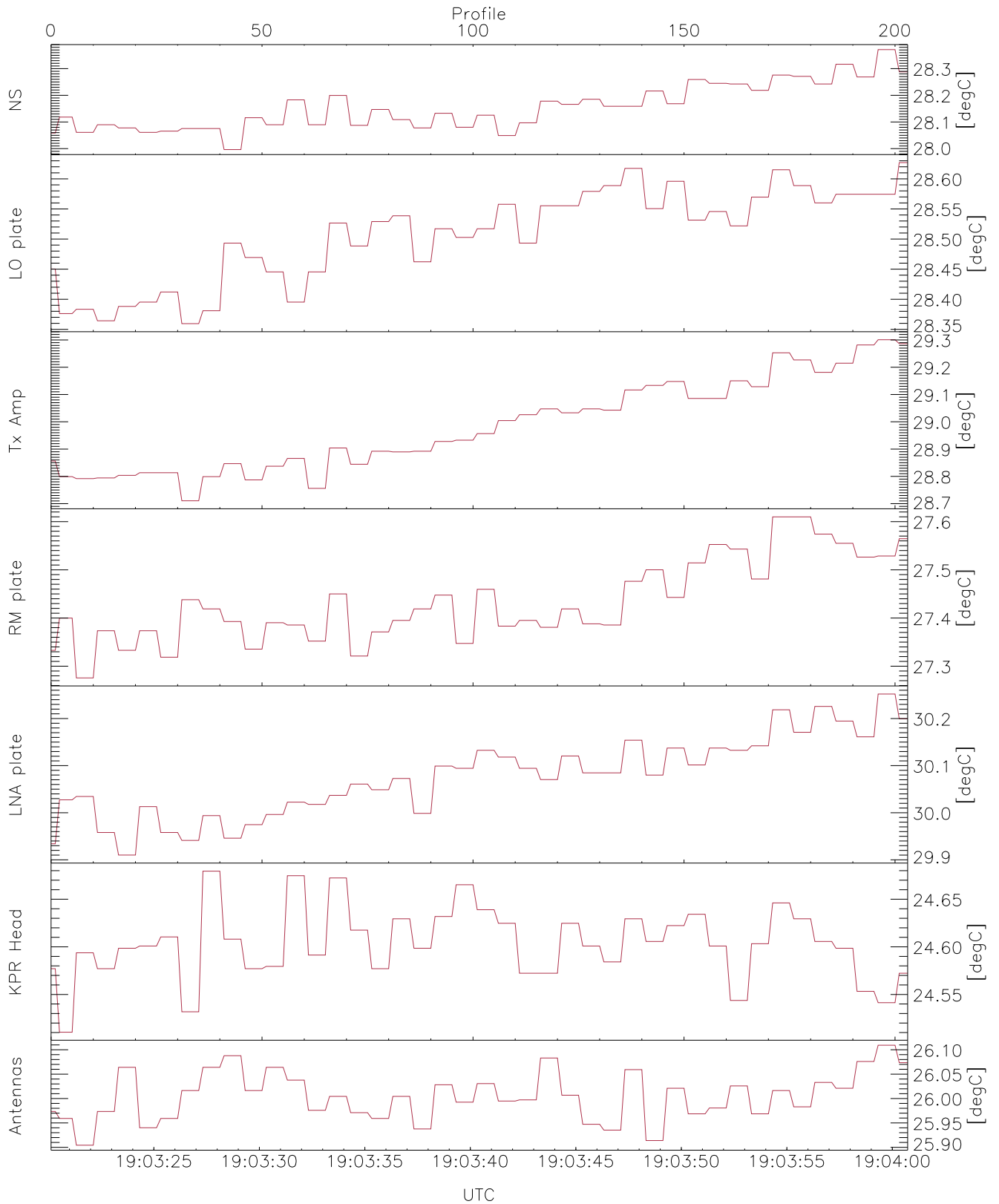


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 19:03:20-19:04:01, TimeCor: 0.00s, Dur: 40.60s  
 TimeInt(min,max,mn,std): 190.9,209.1,200.0,1.3 ms; PPS: 5.0  
 NumRec(r/t): 204/204, 0-203/19:03:20-19:04:01  
 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

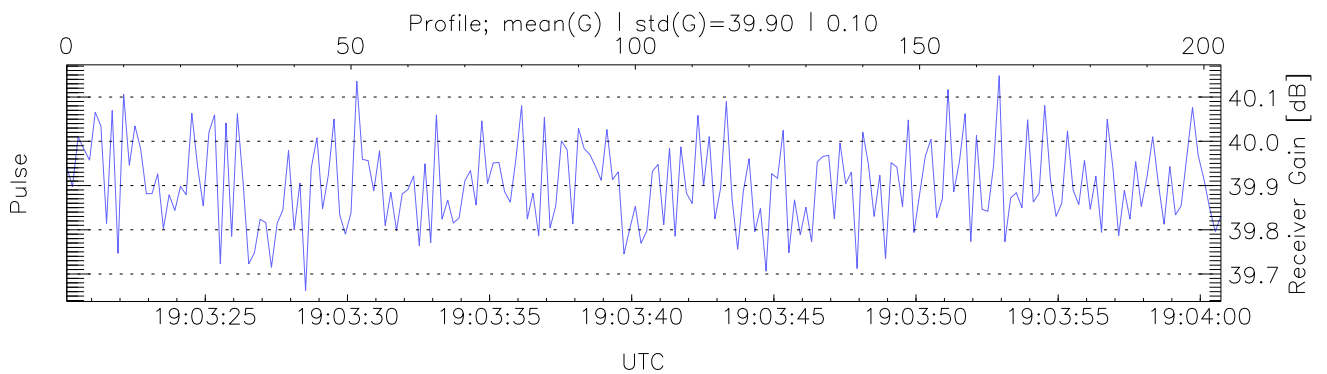
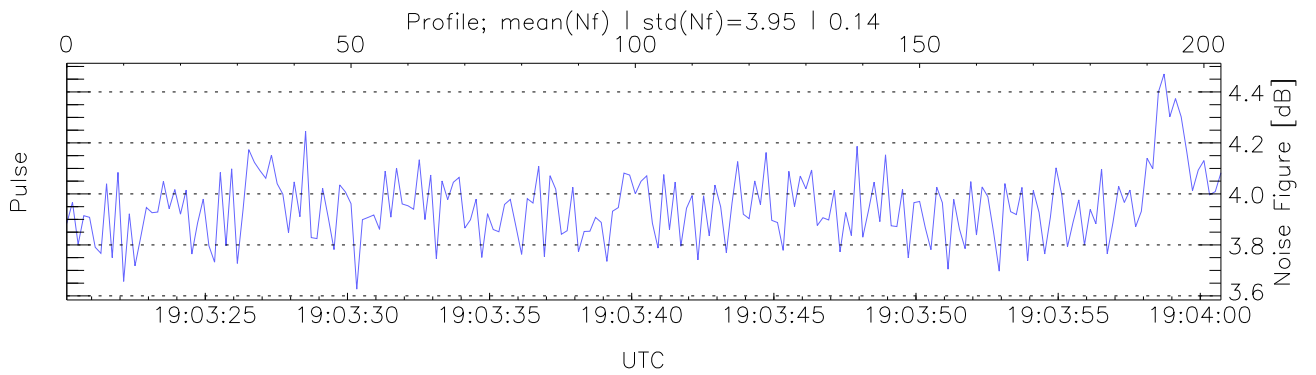
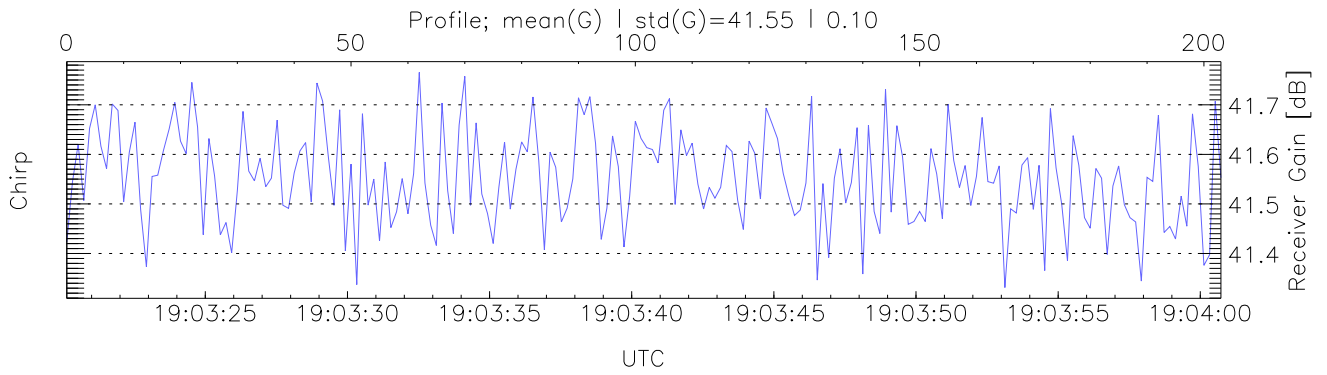
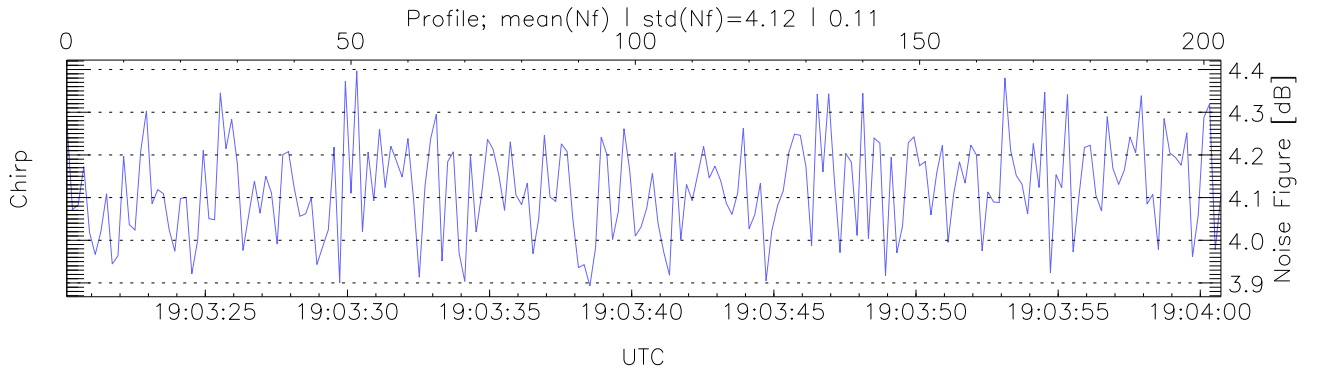


KPR SPP Temperatures, Power Supplies, PLO lock:

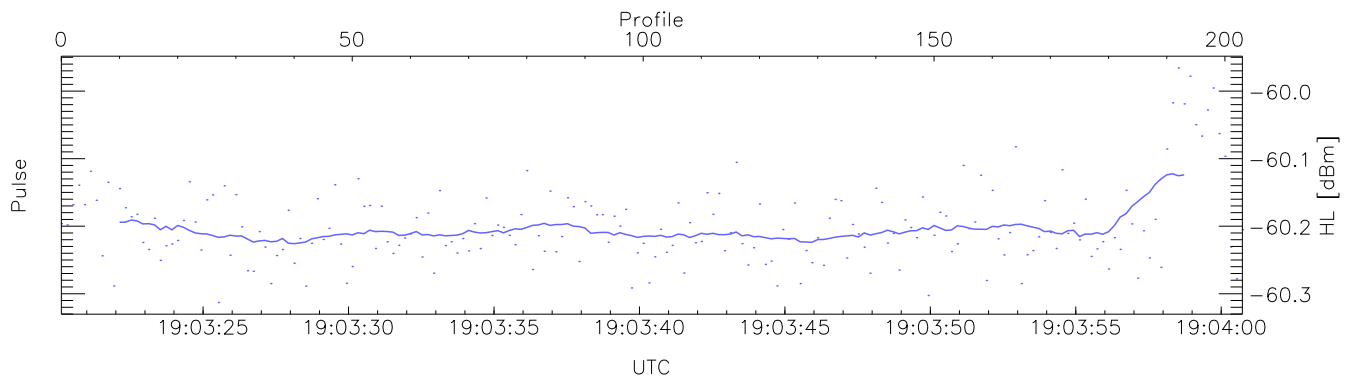
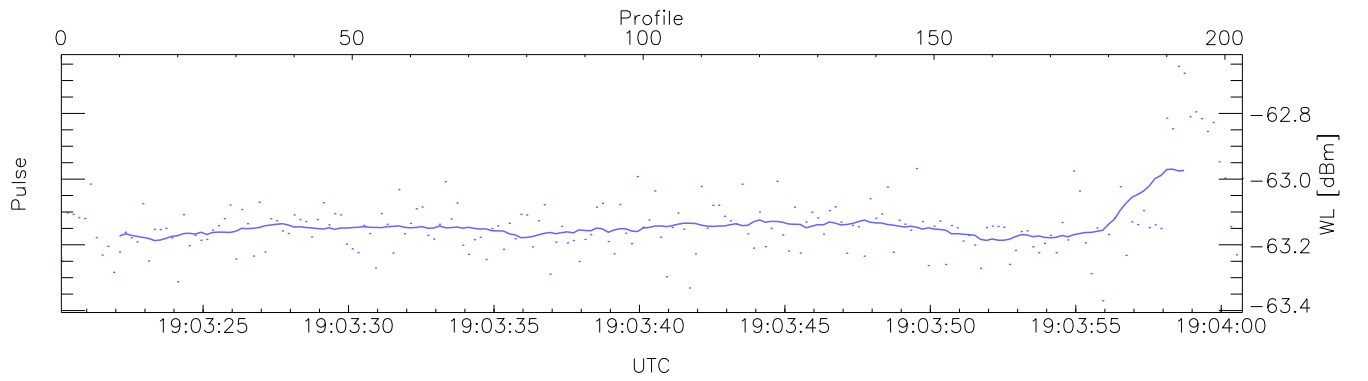
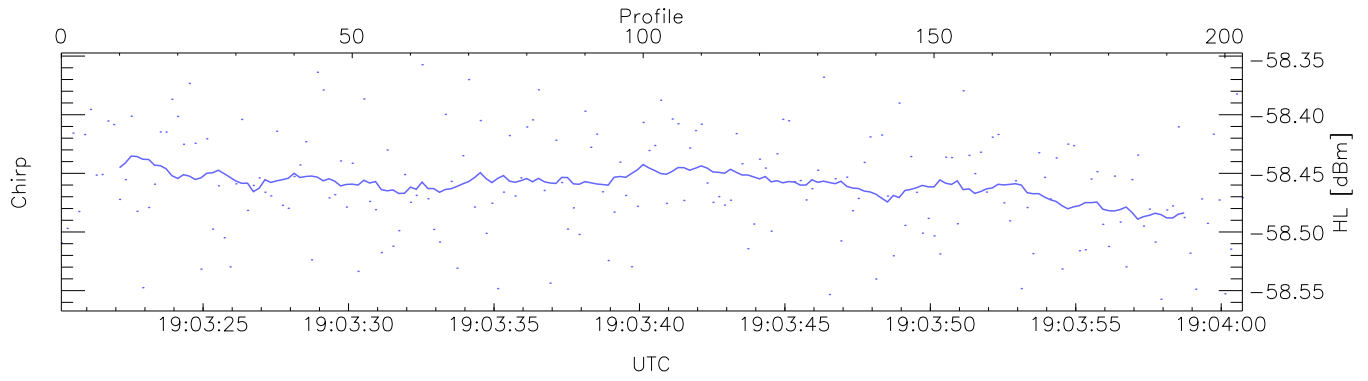
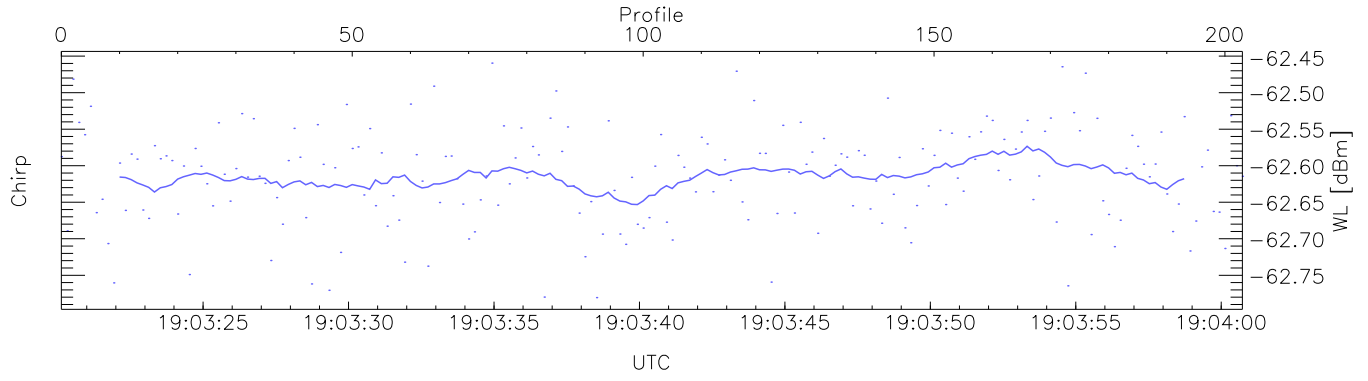
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	28.0,	28.4,	28.7,	27.3,	29.9,	24.5,	25.9
maxtempC:	28.4,	28.6,	29.3,	27.6,	30.3,	24.7,	26.1
meantempC:	28.2,	28.5,	29.0,	27.4,	30.1,	24.6,	26.0

PwrSply:	28,	12,	8,	5 VDC
minVDC:	27.53,	11.68,	7.88,	5.22
maxVDC:	27.84,	11.72,	7.89,	5.24
meanVDC:	27.63,	11.70,	7.89,	5.23

PLO(3.84,15.84 GHz) unlocked: None

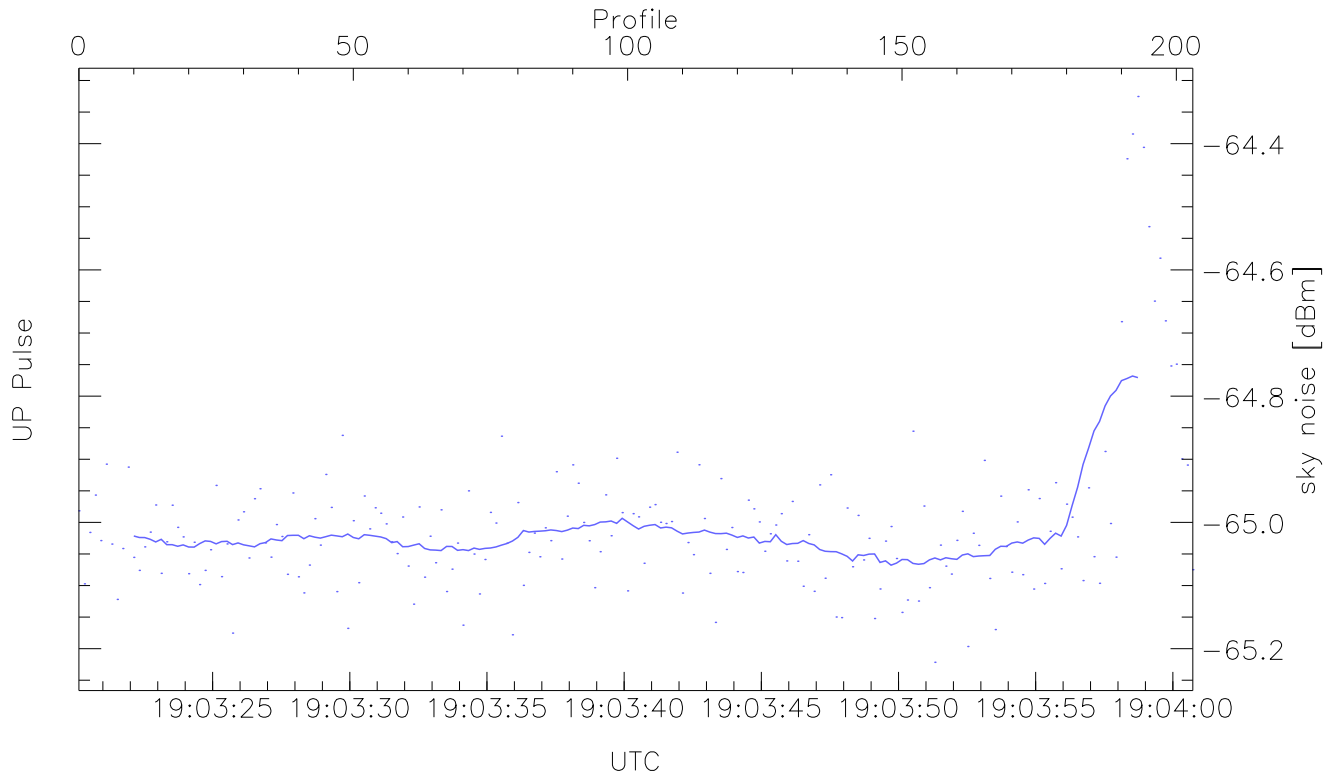
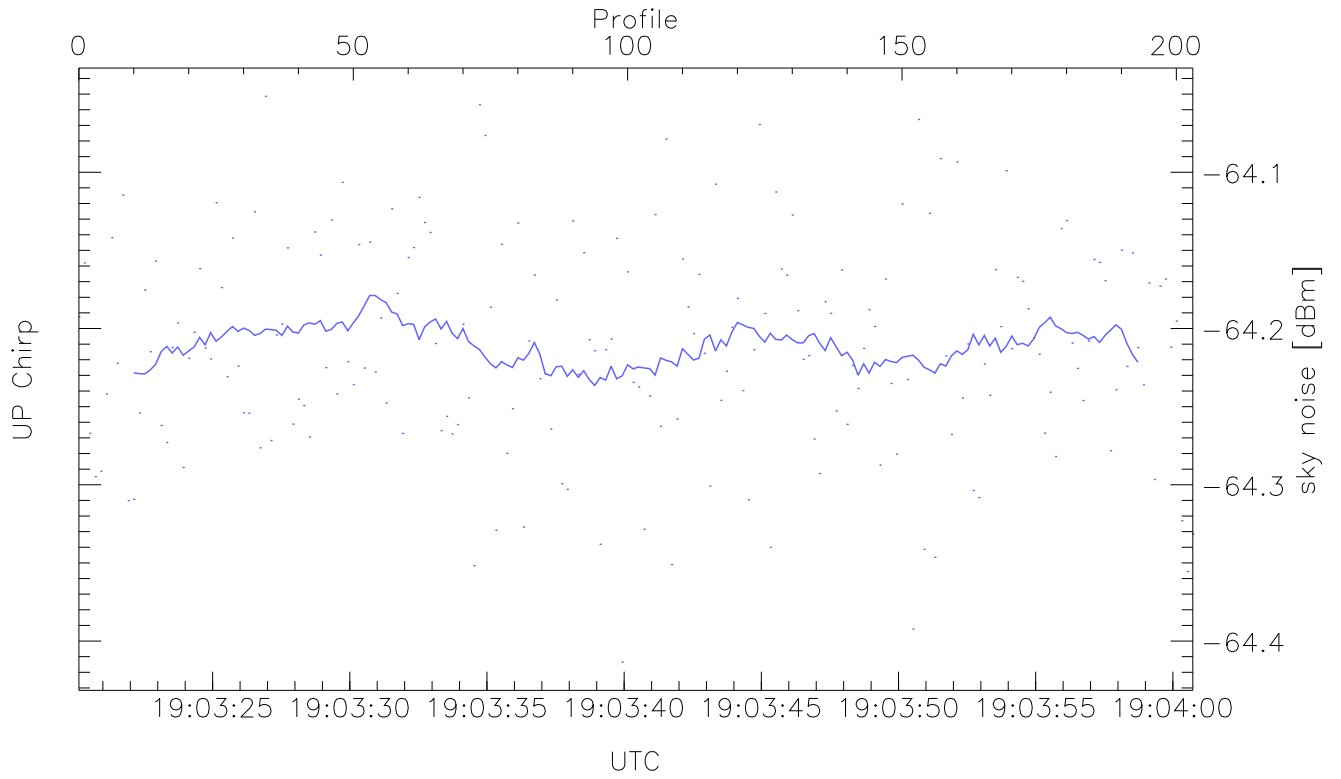


KPR SPP Receiver Gain and Noise Figure



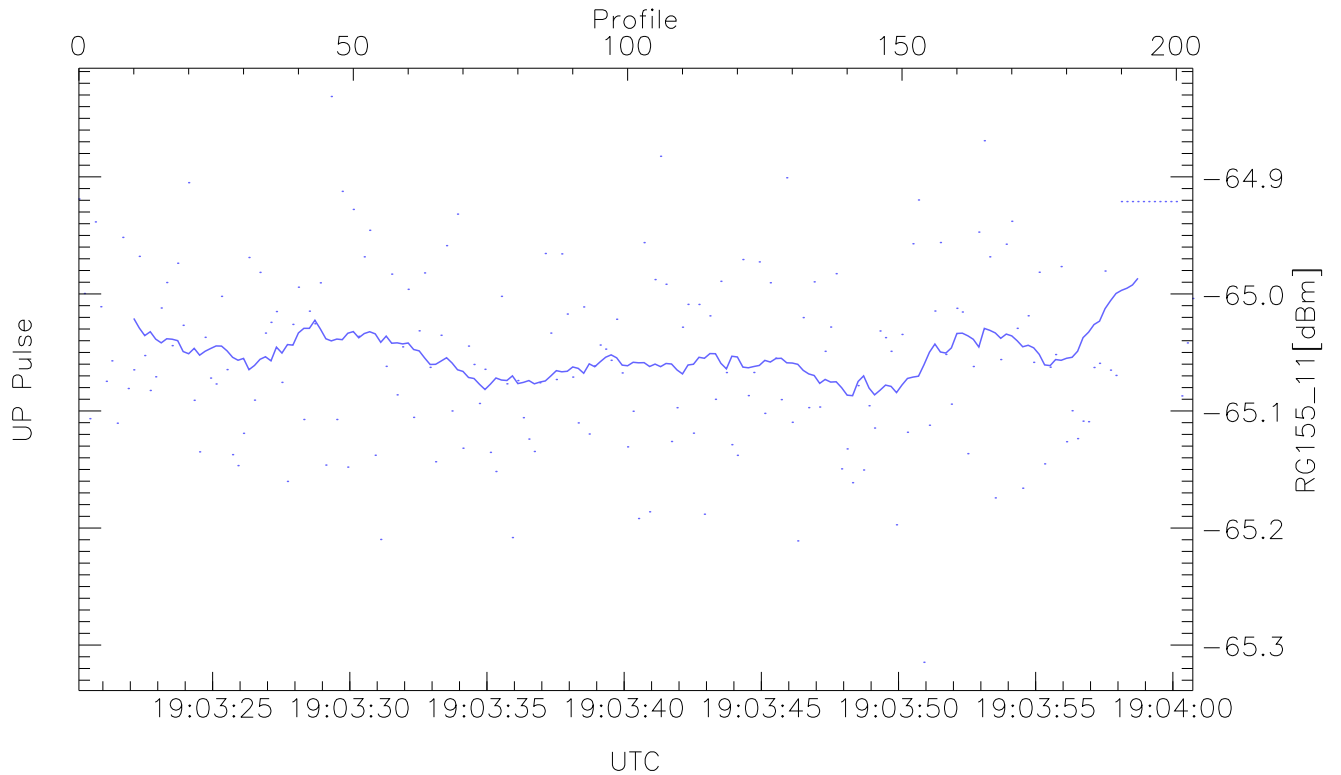
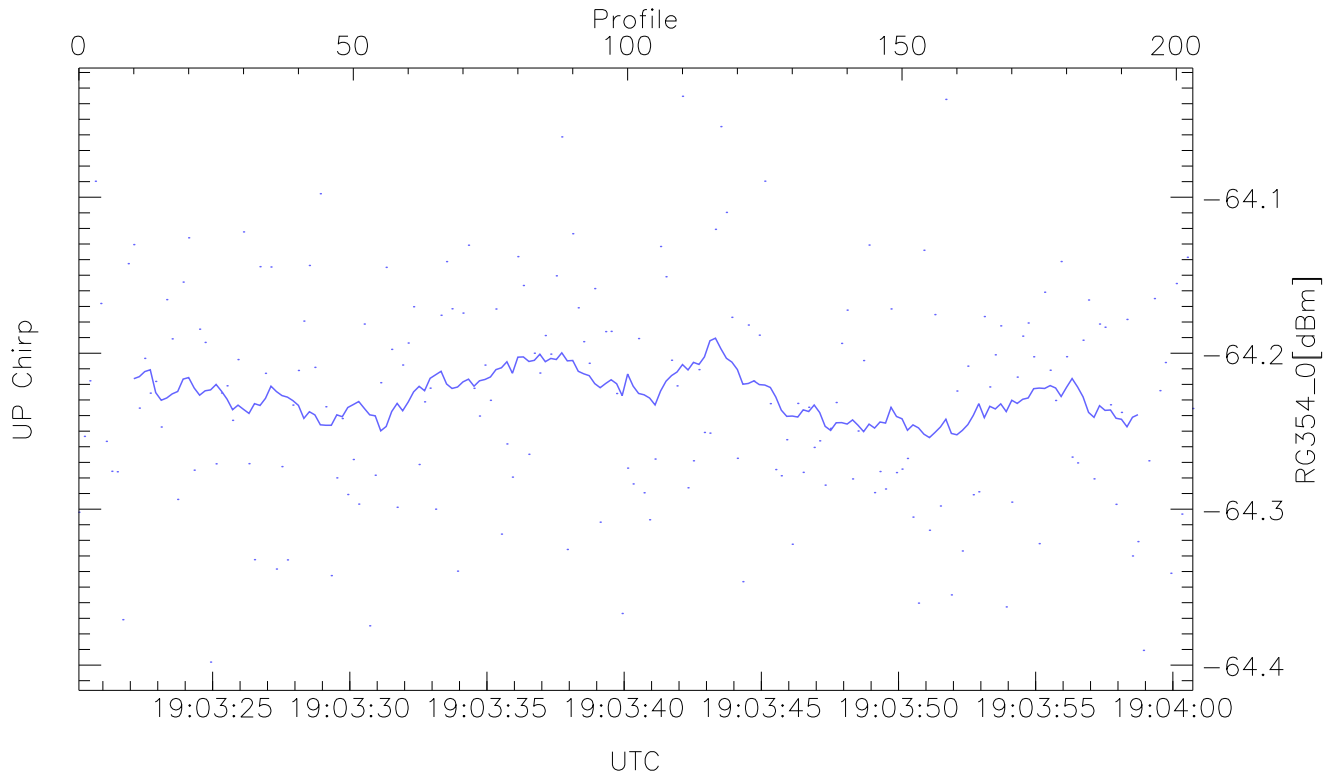
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.78	-62.46	-62.61	-62.61	-80.84
Chirp(HL [dBm])	-58.56	-58.36	-58.46	-58.46	-78.40
Pulse(WL [dBm])	-63.37	-62.66	-63.13	-63.15	-79.33
Pulse(HL [dBm])	-60.31	-59.97	-60.20	-60.21	-78.83



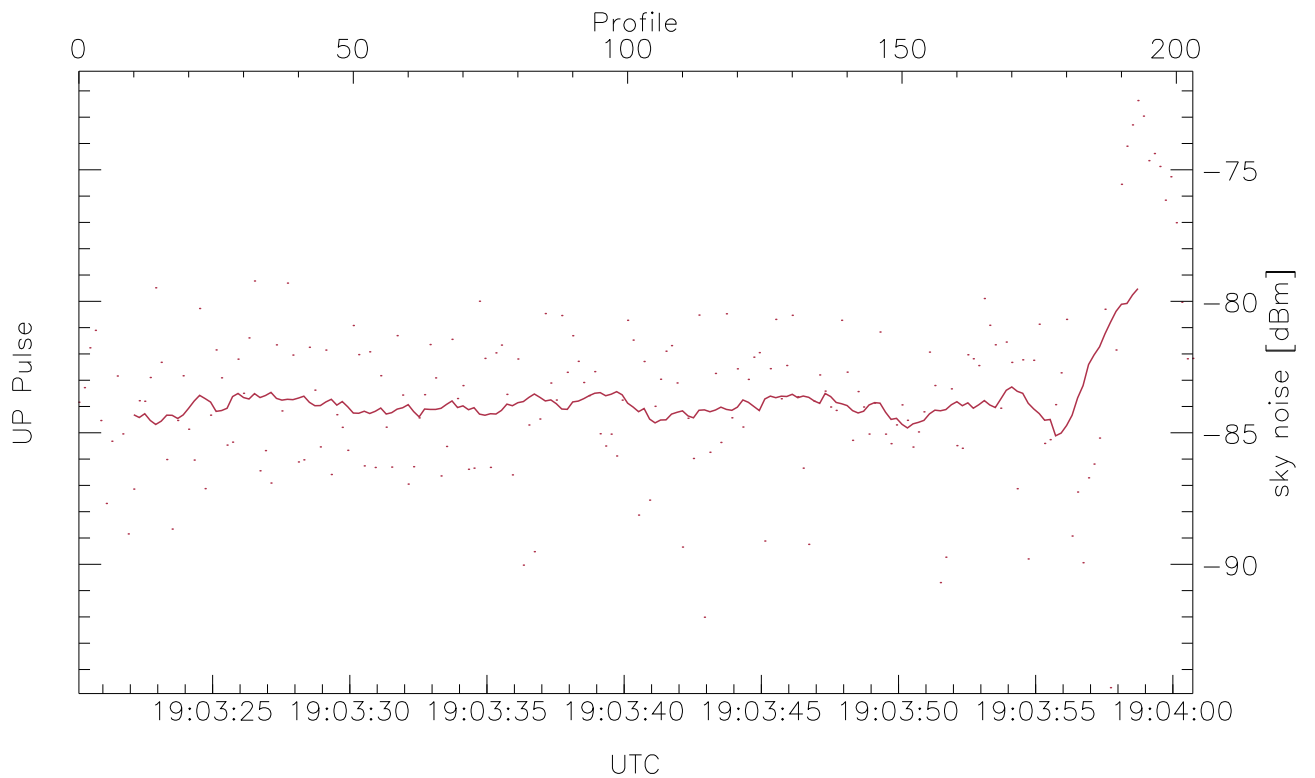
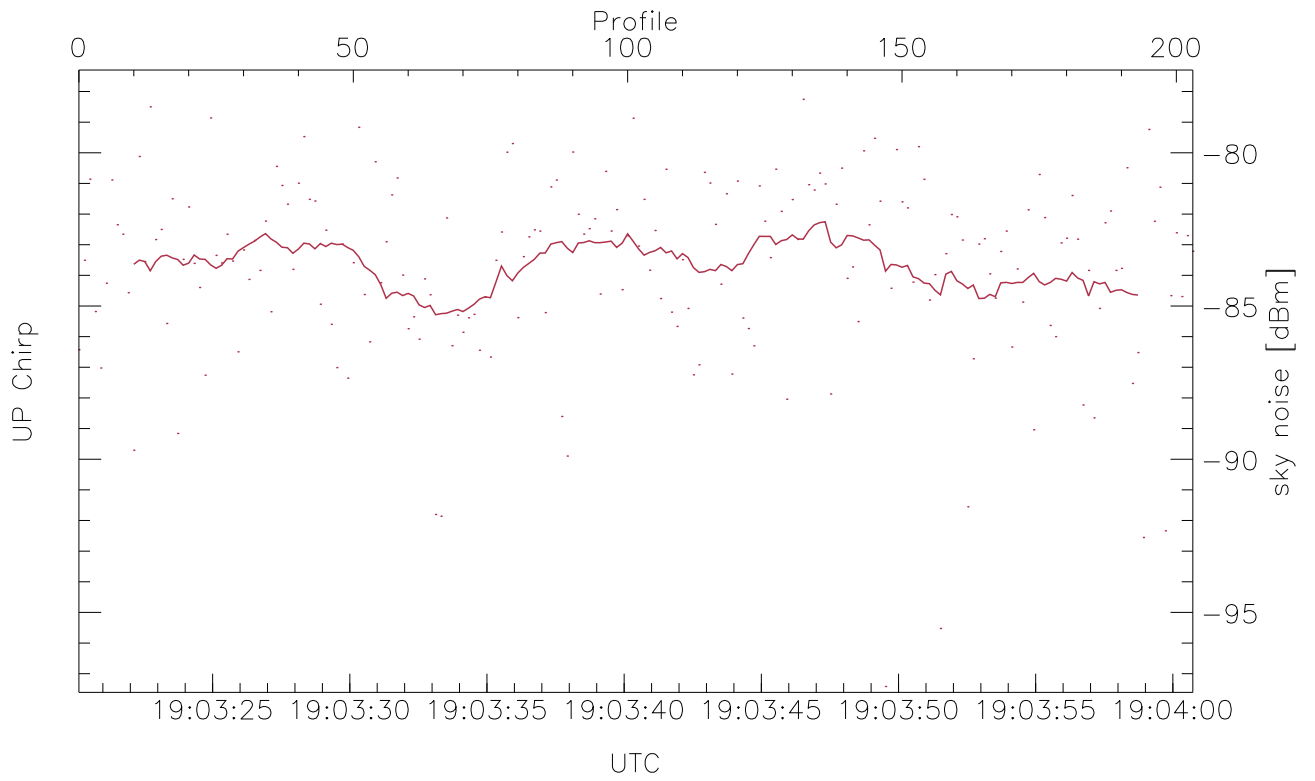
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.41	-64.05	-64.21	-64.21	-82.33
UP Pulse(dBm)	-65.22	-64.33	-65.00	-65.02	-80.06



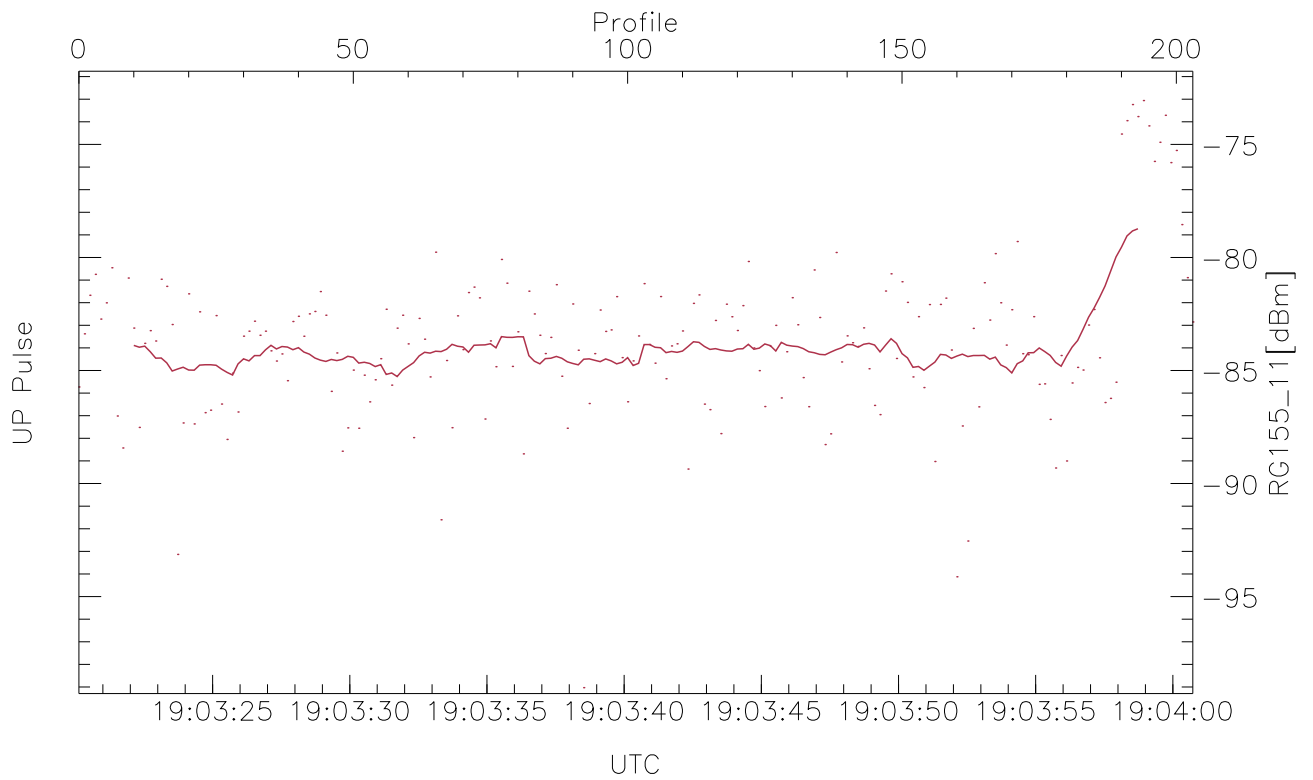
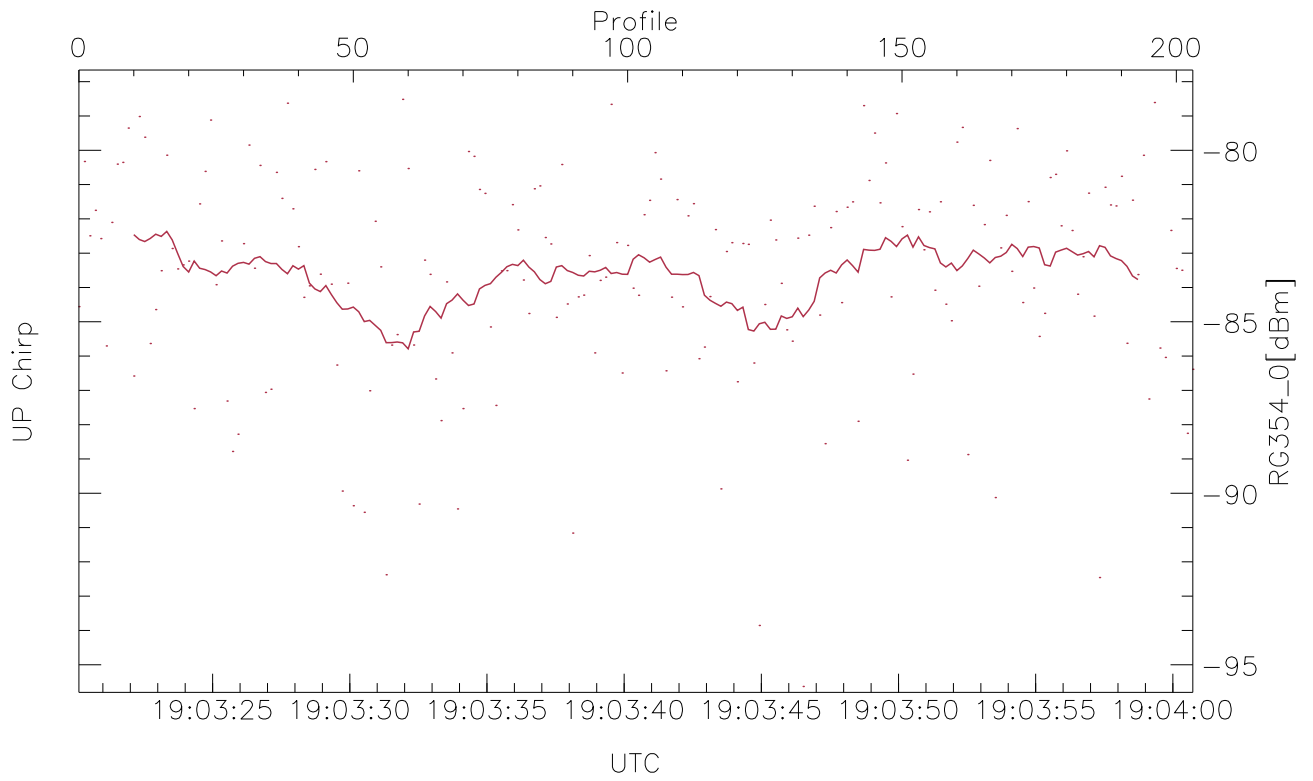
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG354_0	-64.40	-64.04	-64.23	-64.22	-82.20
UP_P_RG155_11	-65.31	-64.83	-65.05	-65.05	-82.51



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

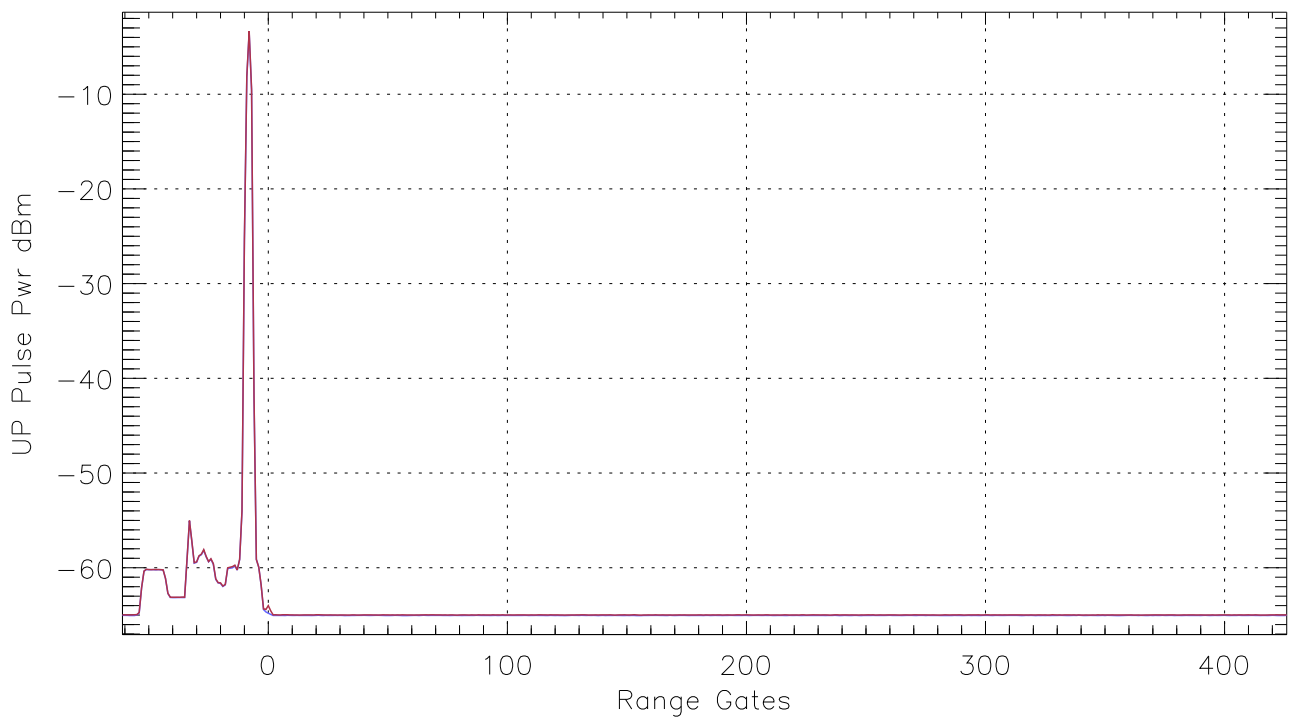
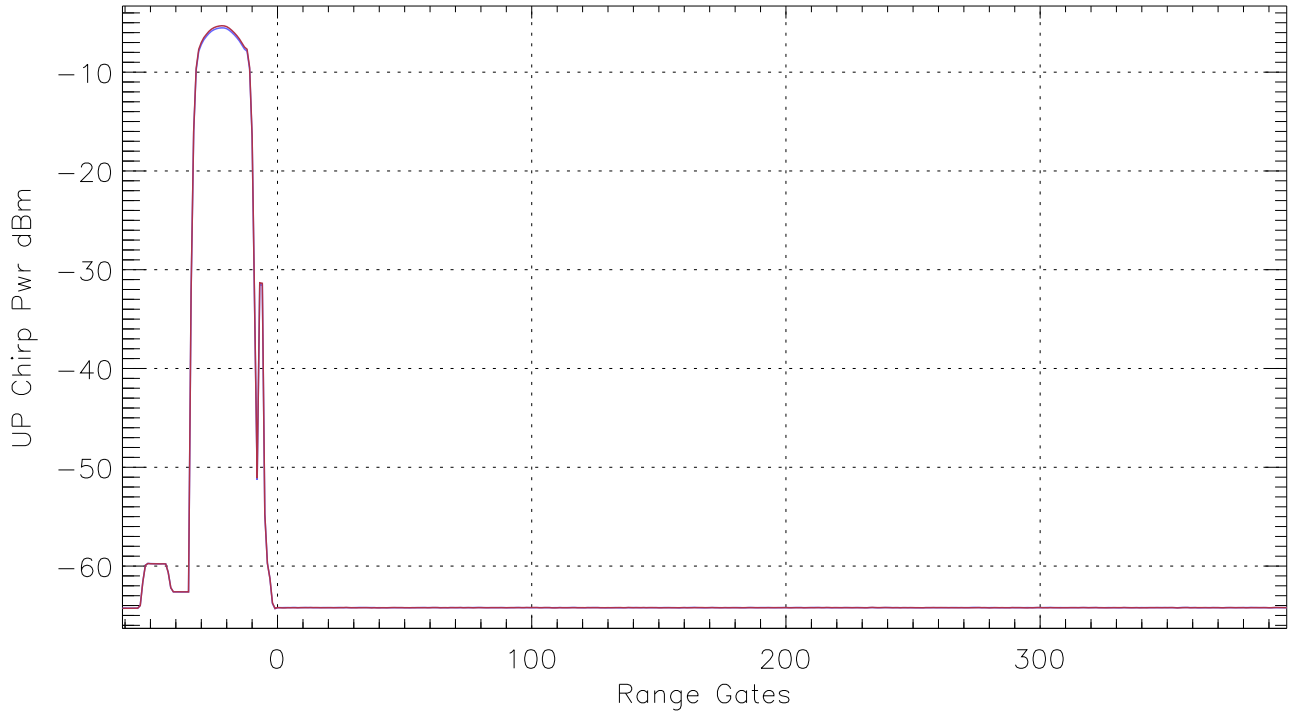
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-97.42	-78.26	-82.91	-83.22	-85.51
UP Pulse(dBm)	-94.69	-72.37	-82.01	-83.57	-81.00



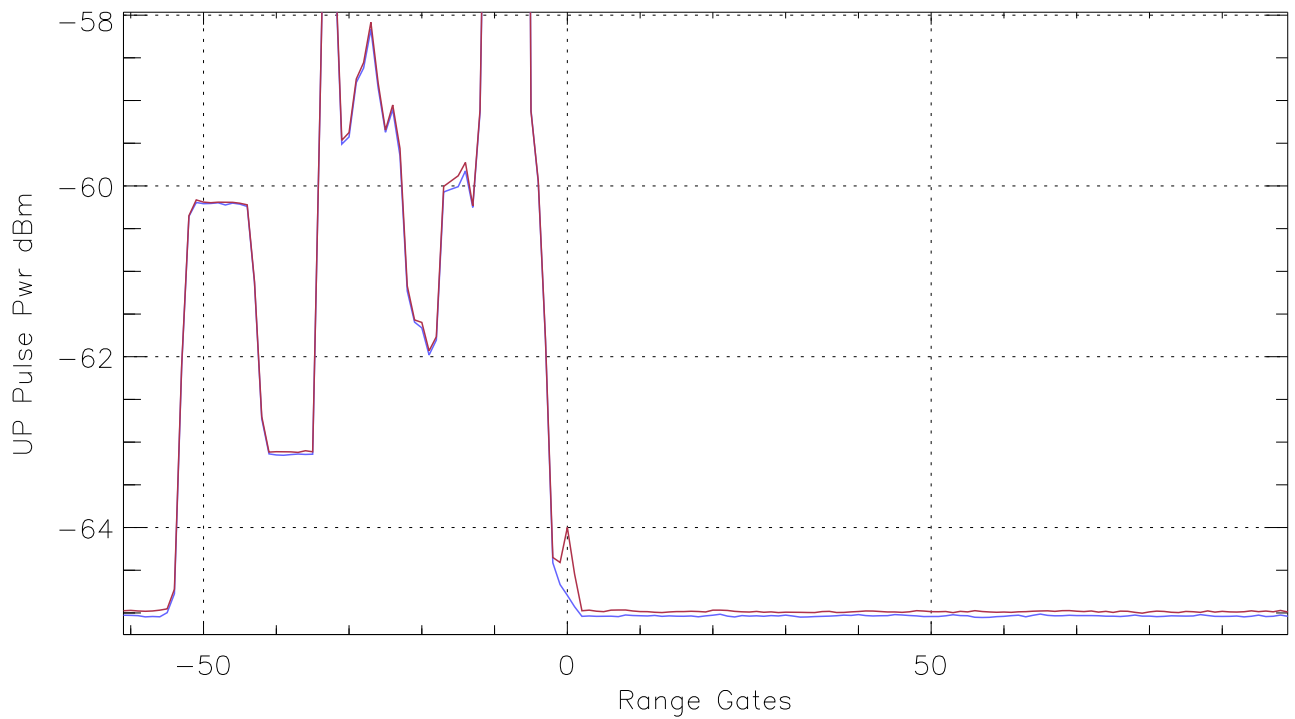
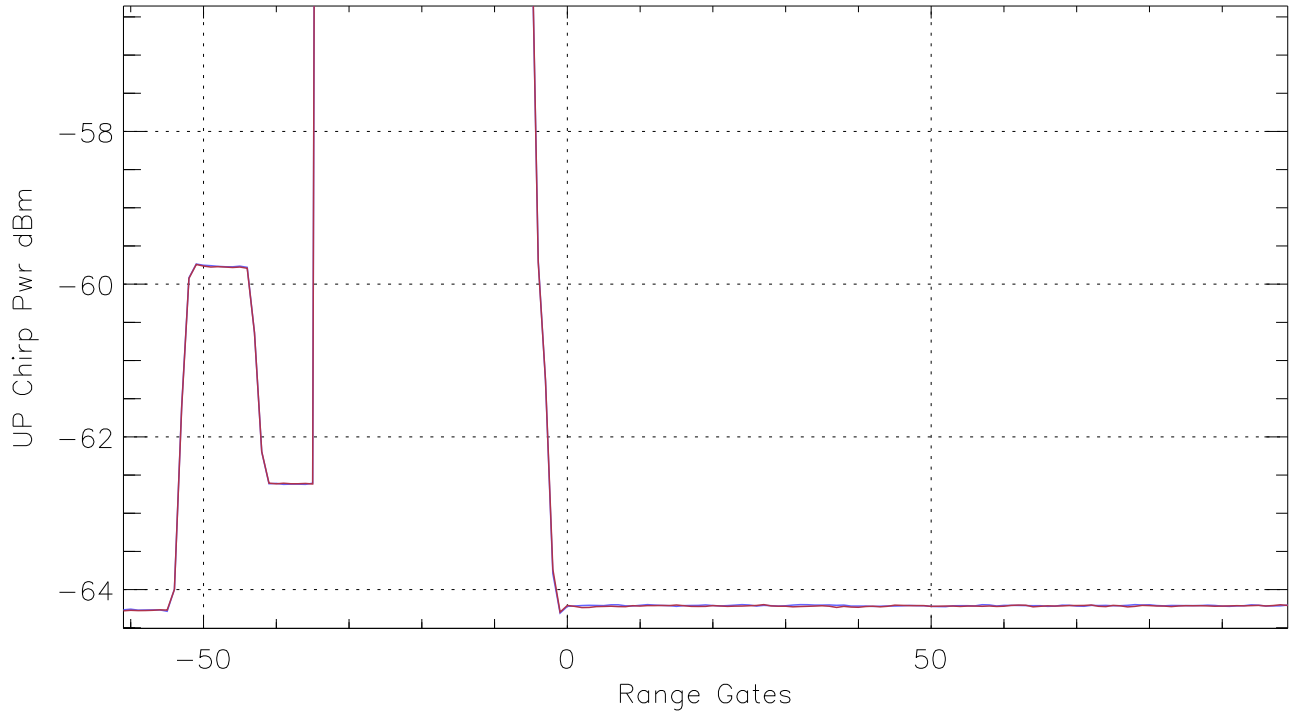
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG354_0	-95.63	-78.52	-82.73	-83.20	-85.10
UP_P_RG155_11	-99.03	-73.06	-82.08	-83.61	-80.99

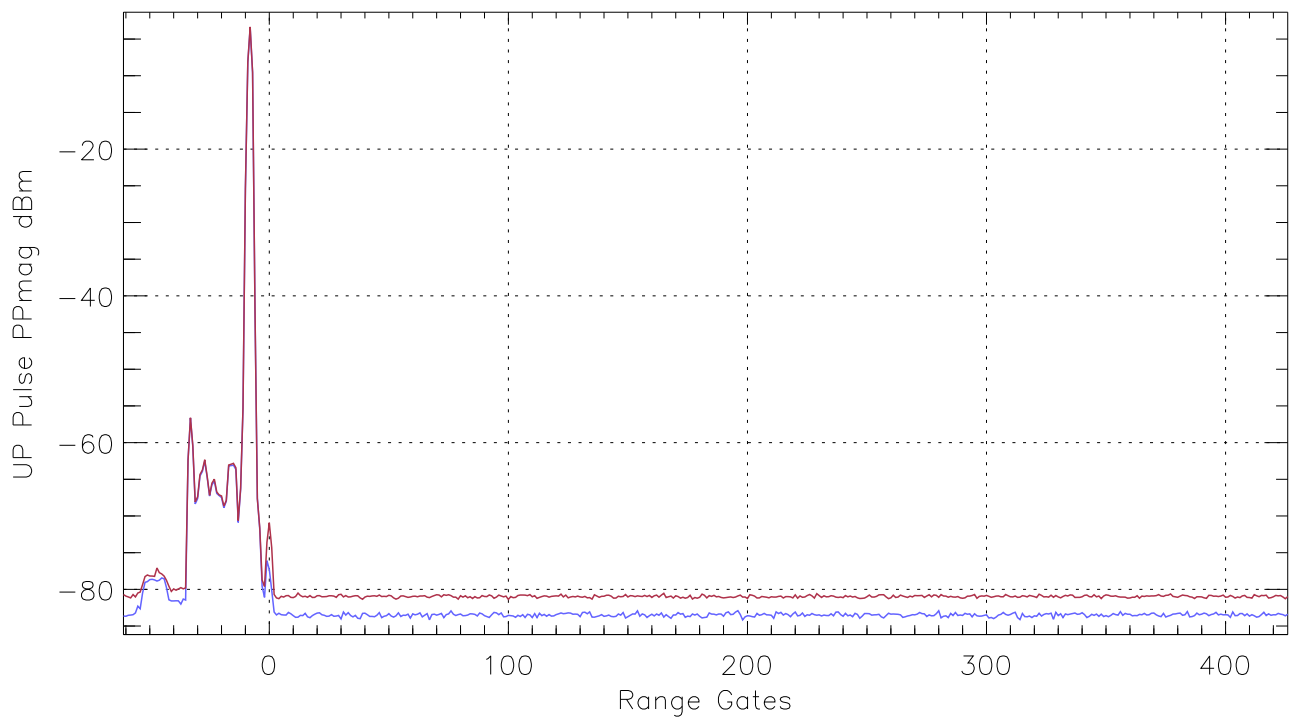
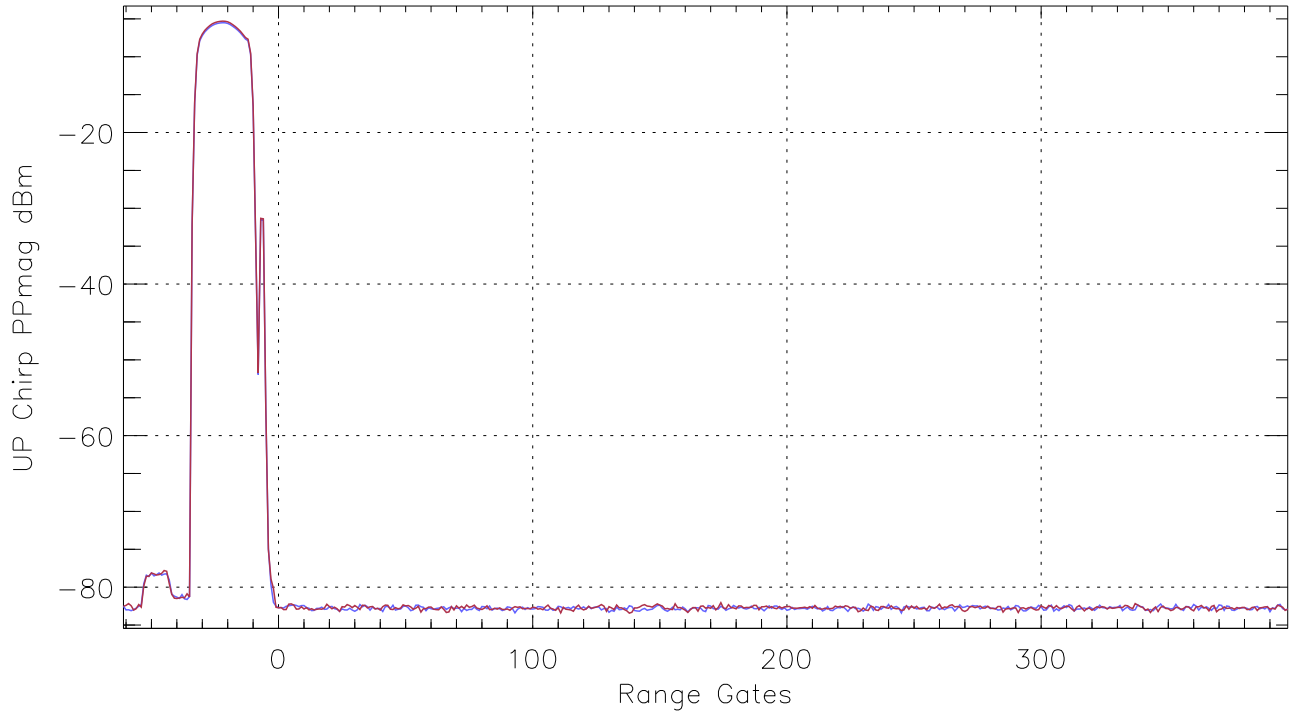




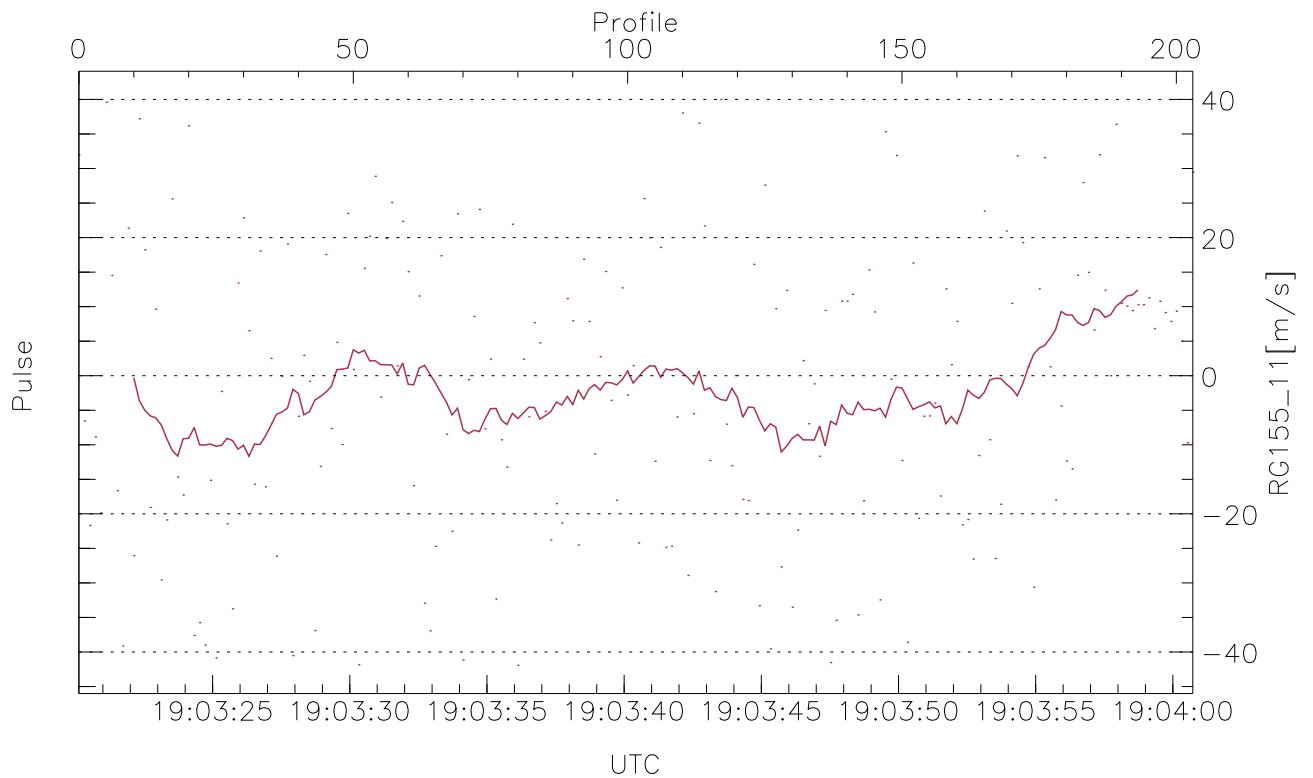
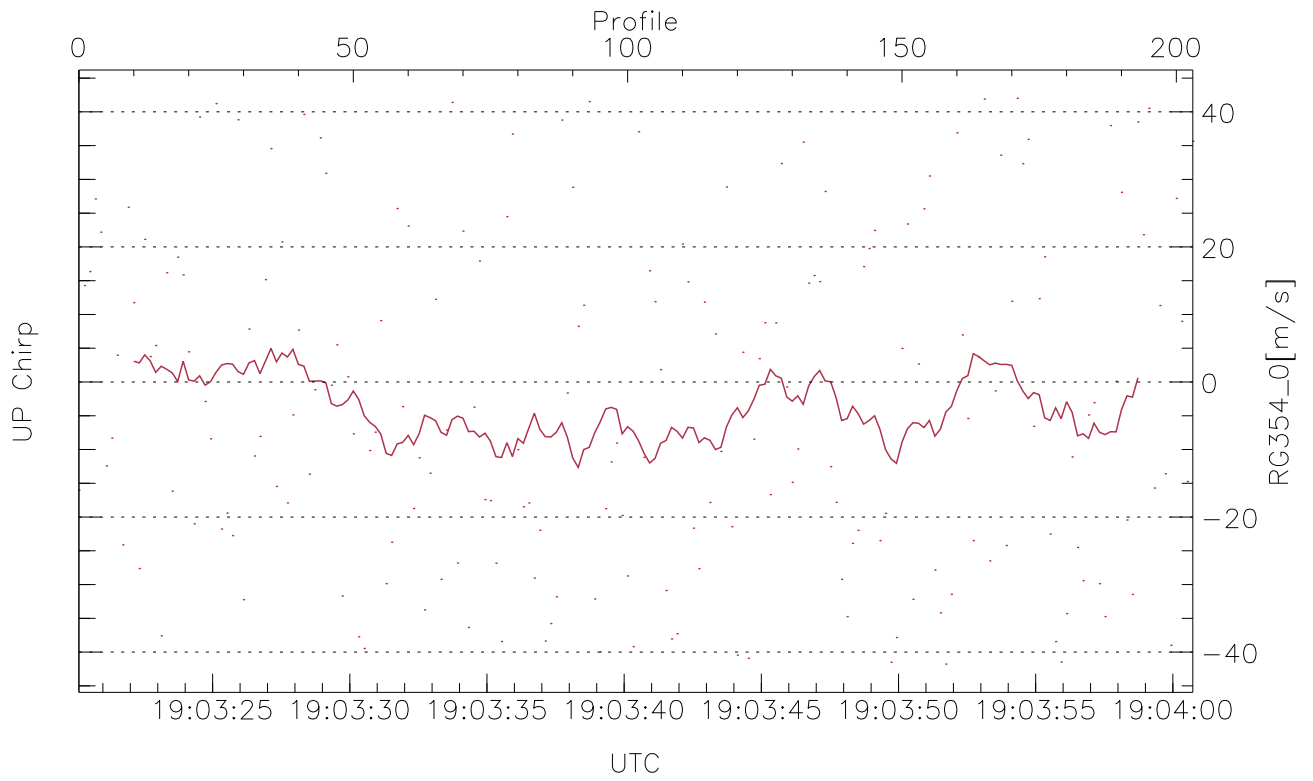
KPR SPP Averaged Received power for all recorded gates  
blue: 190320-190340, 103 profiles averaged  
red: 190340-190401, 102 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 190320-190340, 103 profiles averaged  
red: 190340-190401, 102 profiles averaged

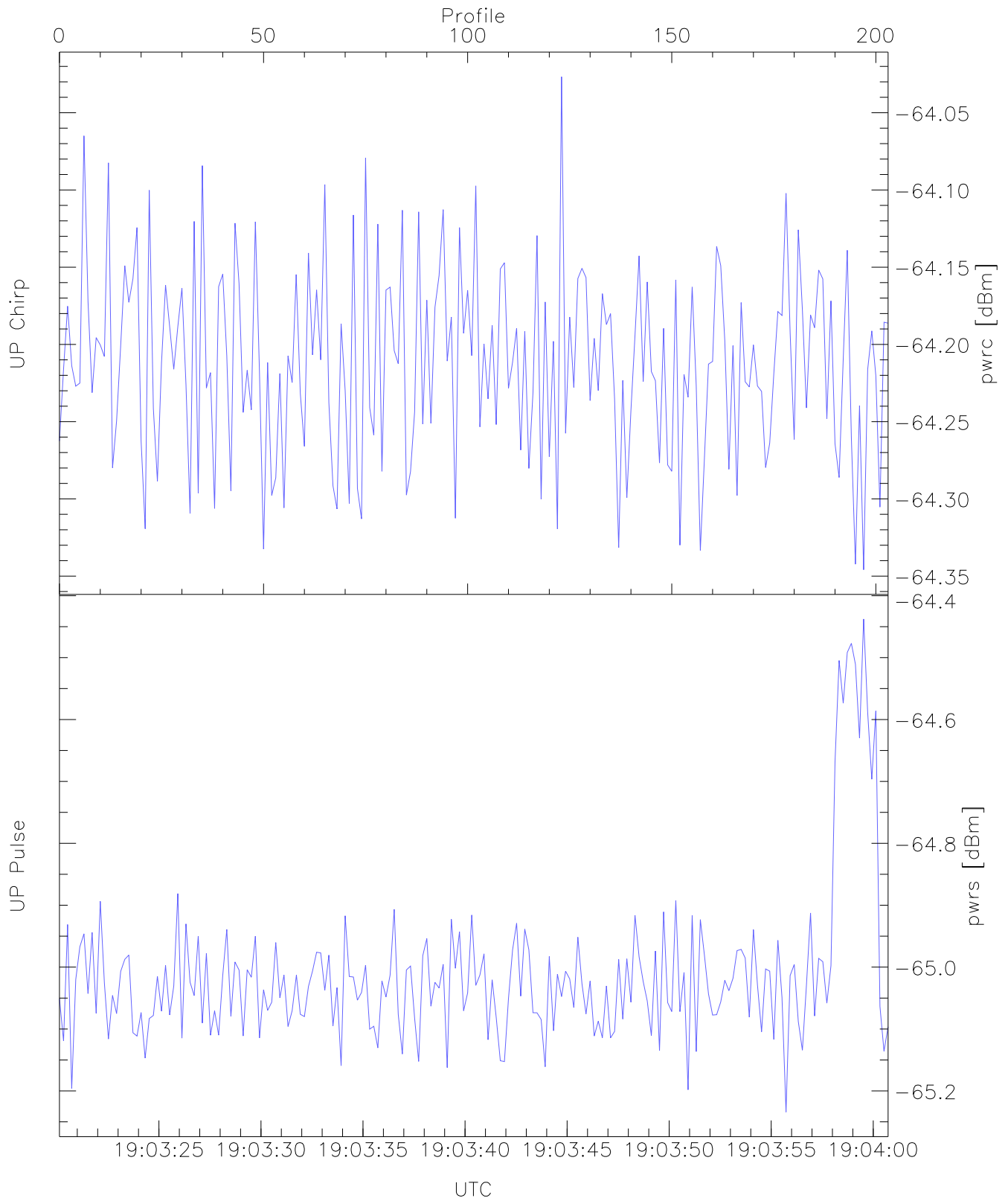


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 190320-190340, 103 profiles averaged  
red: 190340-190401, 102 profiles averaged



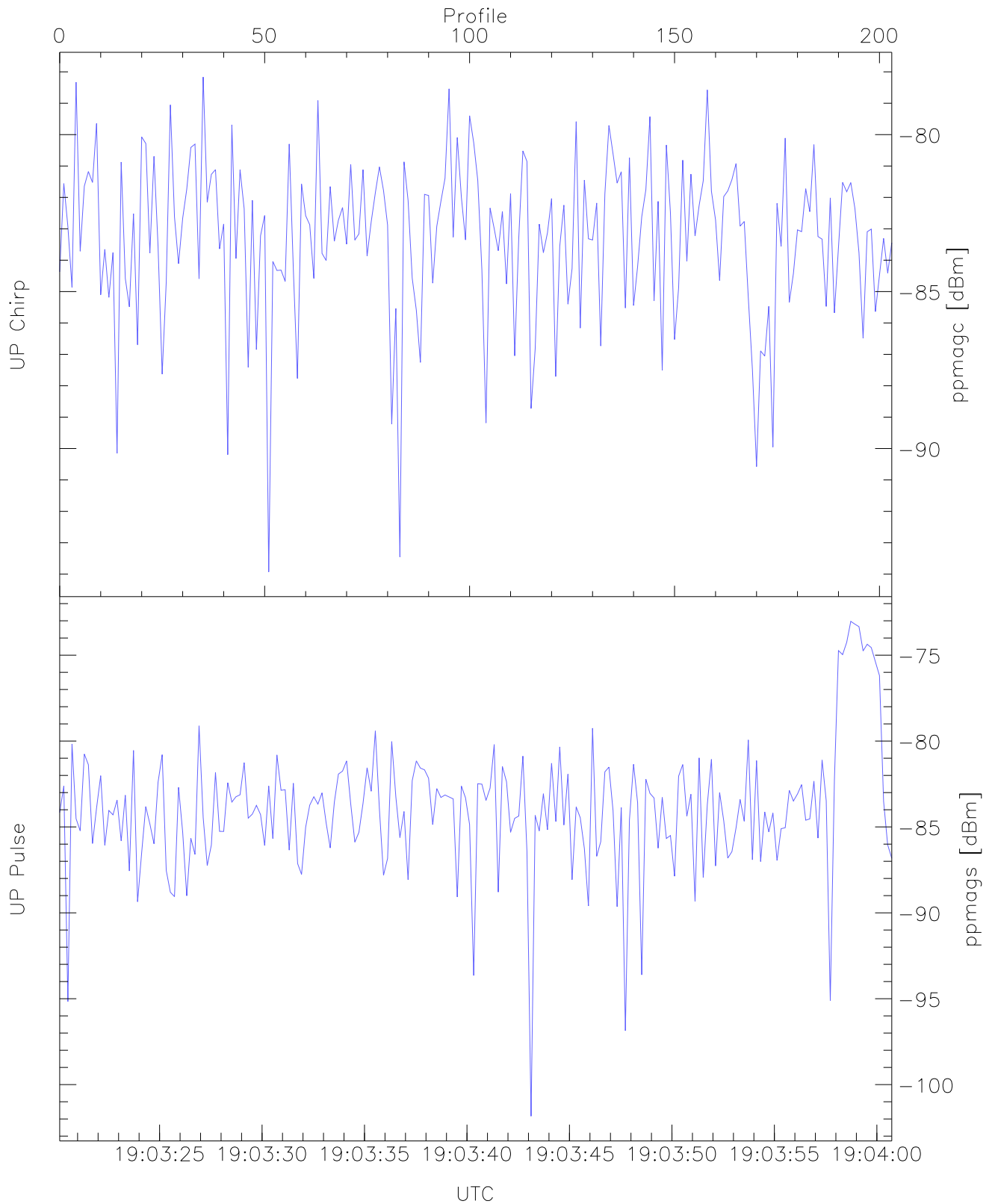
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG354_0	-41.77	42.01	-3.13	-6.56	24.30
UP_P_RG155_11	-41.93	39.99	-1.99	-0.07	20.88



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

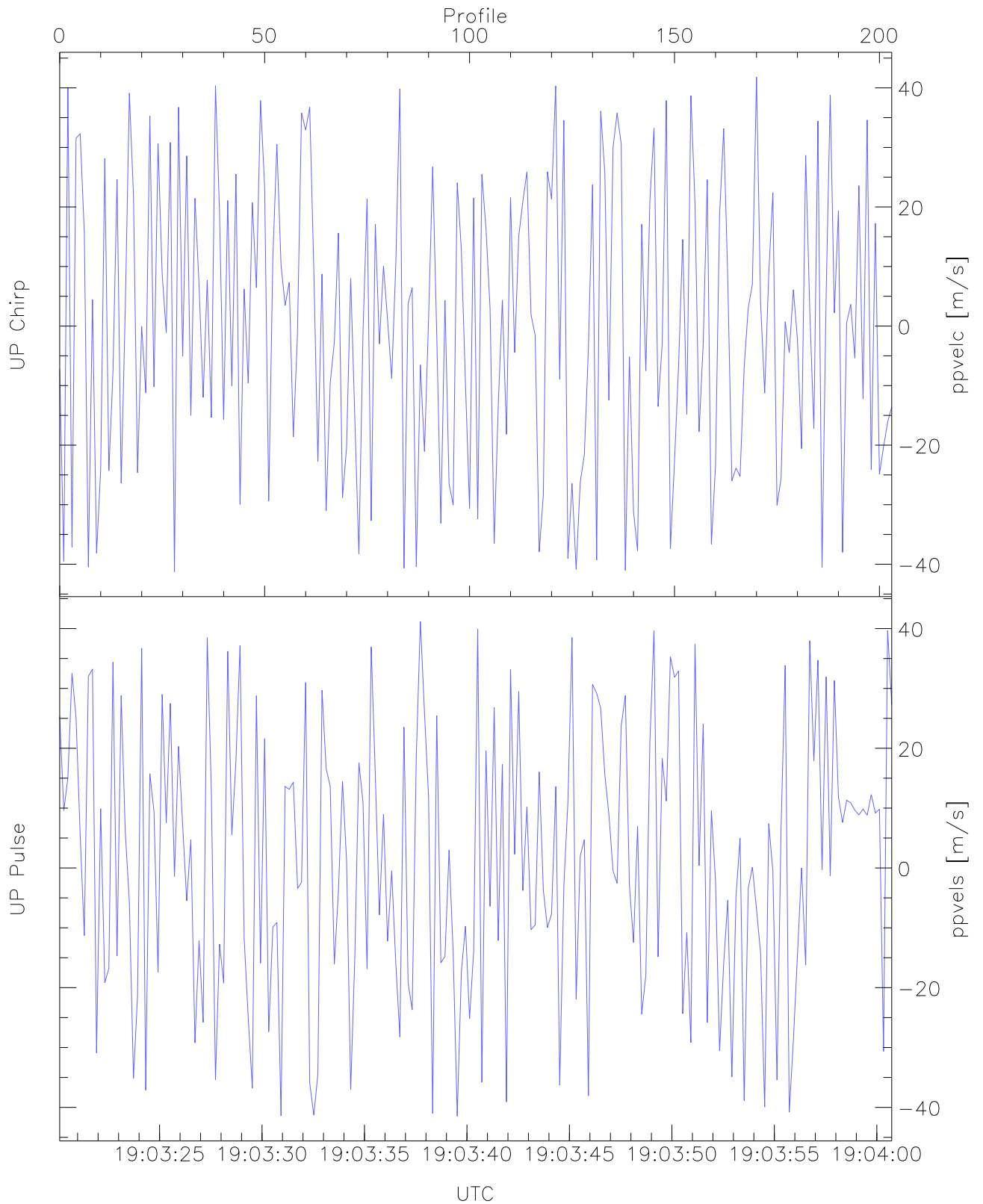
	Min	Max	Mean
UP Chirp(dBm)	-64.35	-64.03	-64.21
UP Pulse(dBm)	-65.23	-64.44	-65.01



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

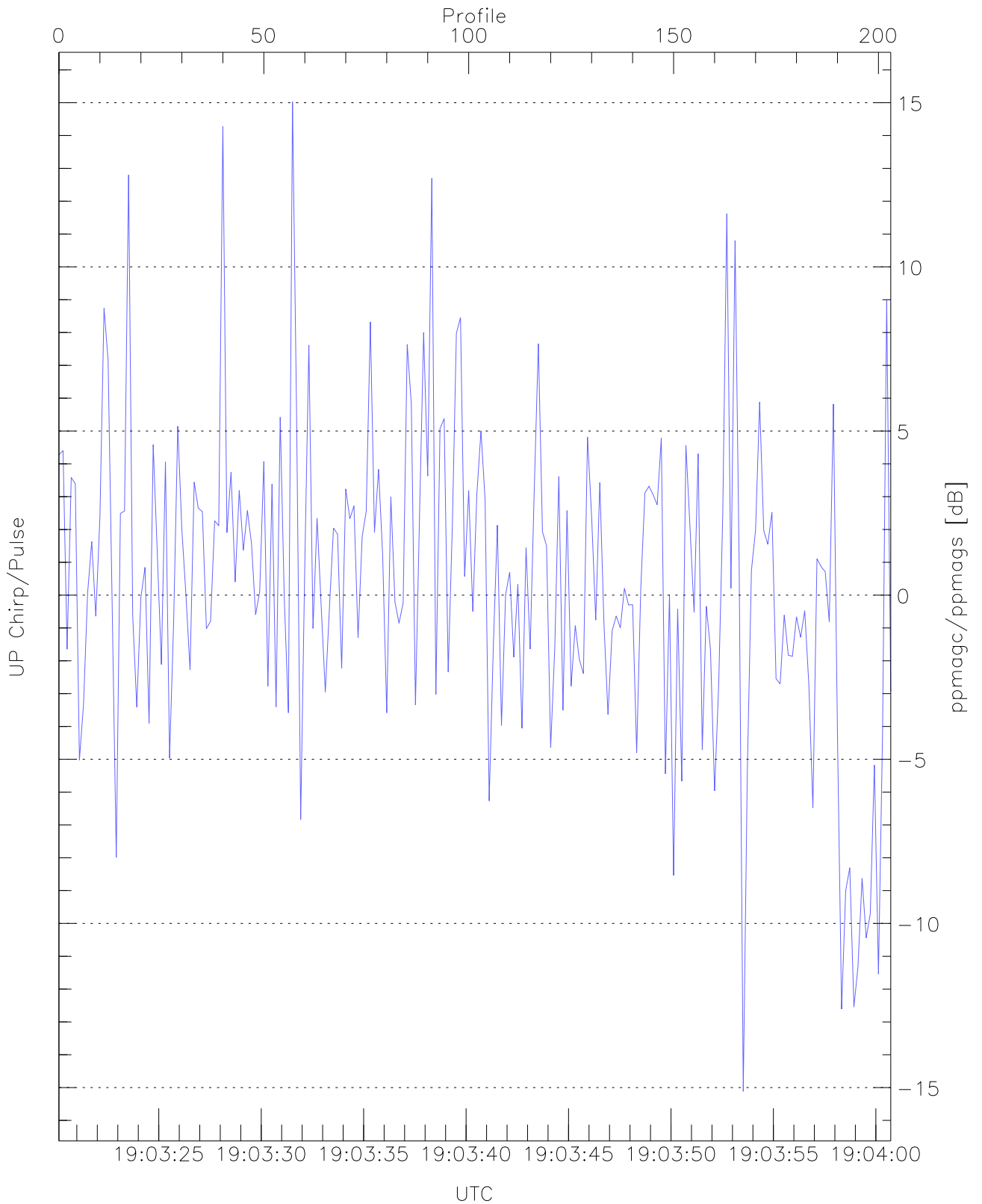
KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-93.93	-78.17	-82.65
UP Pulse(dBm)	-101.84	-73.03	-82.18



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)	-41.28	41.82	0.18
UP Pulse(m/s)	-41.47	41.20	1.36



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-15.12	15.03	3.15