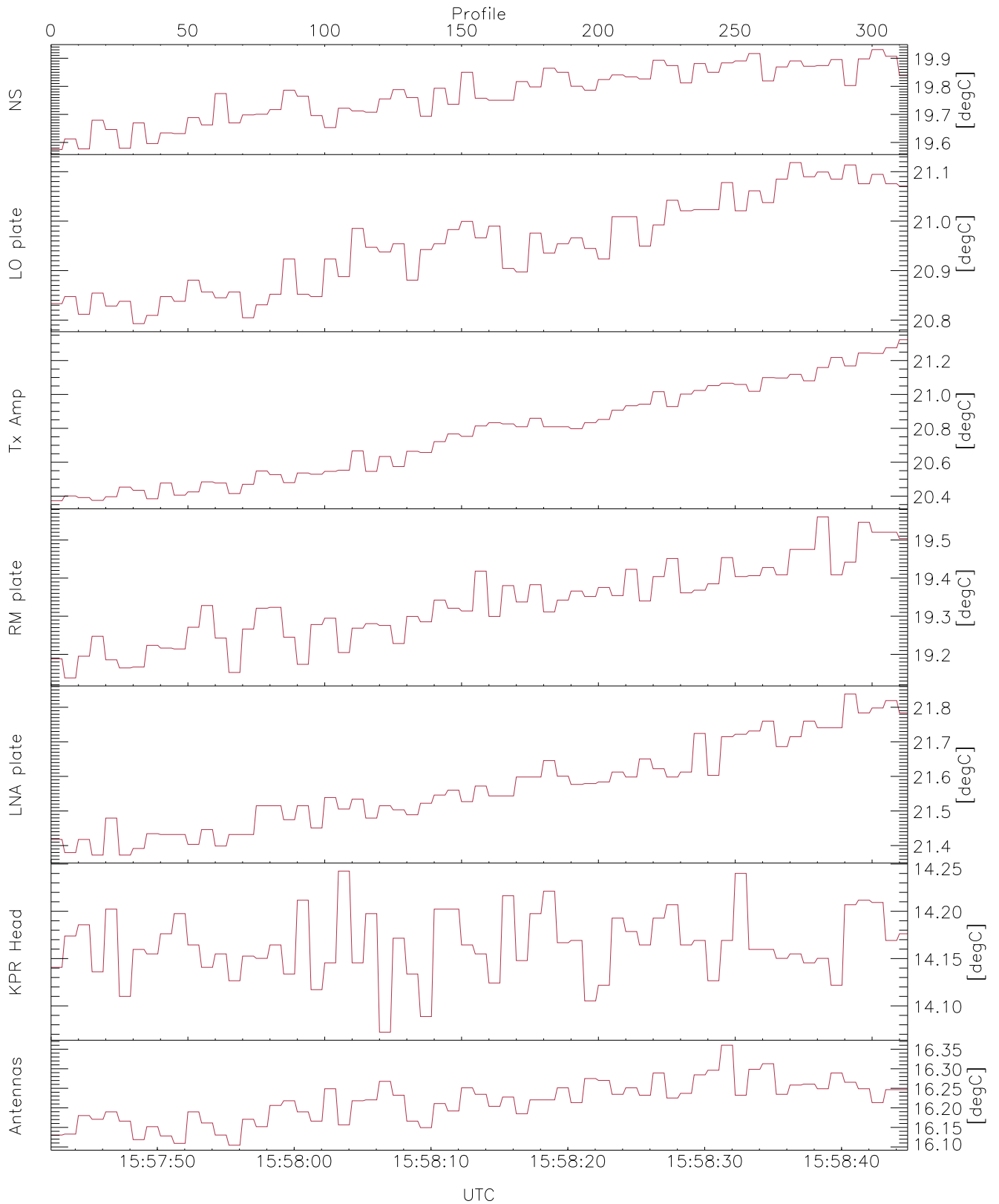


KPR SPP; Ant(s): UP; Radiometer: OFF
 UTC: 15:57:42-15:58:45, TimeCor: 0.00s, Dur: 62.60s
 TimeInt(min,max,mn,std): 197.4,202.6,200.0,0.2 ms; PPS: 5.0
 NumRec(r/t): 314/314, 0-313/15:57:42-15:58:45
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 95.1 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, 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

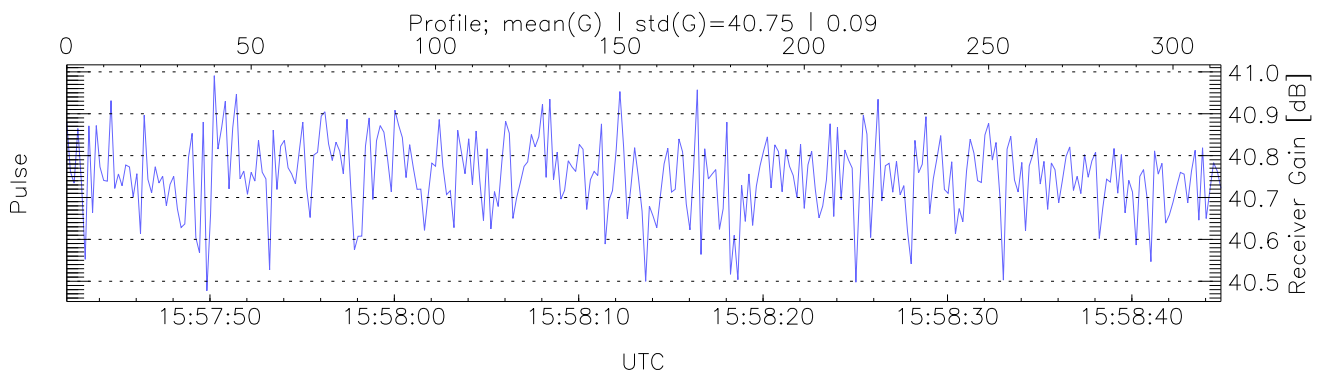
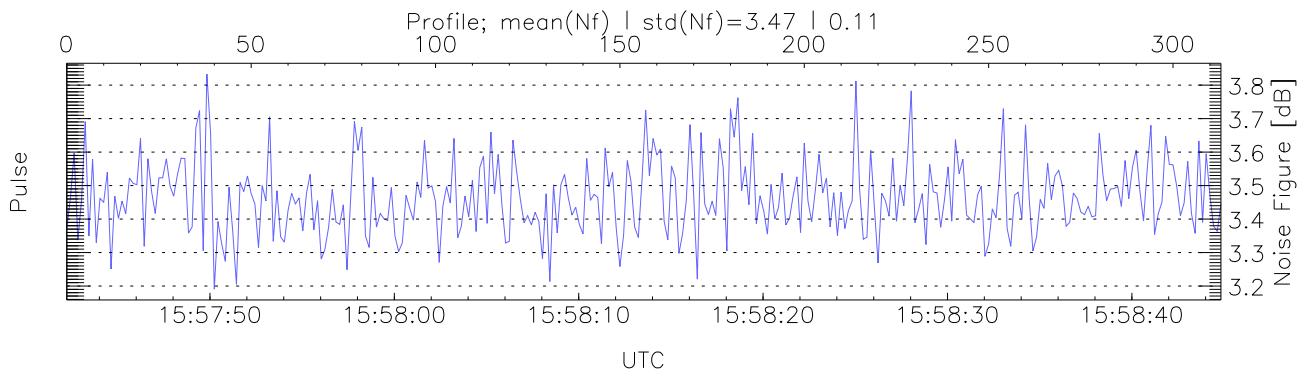
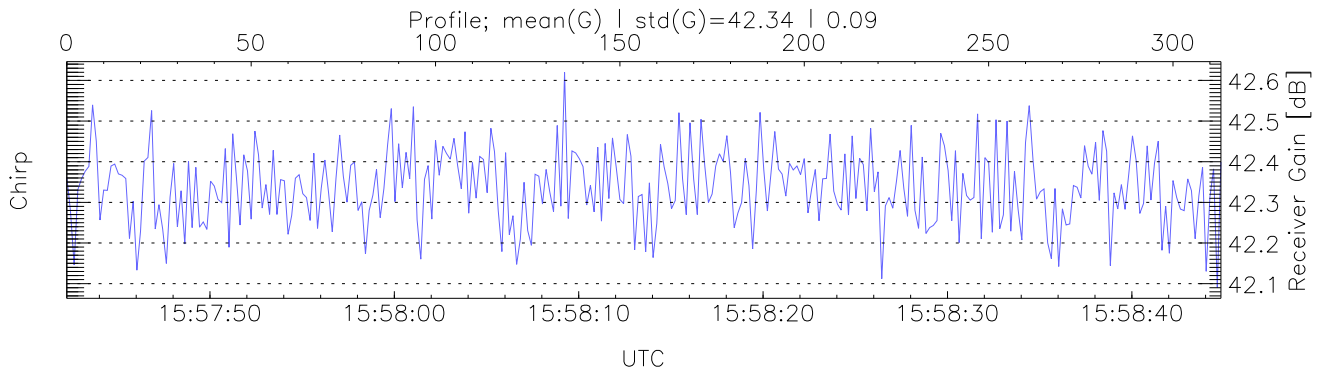
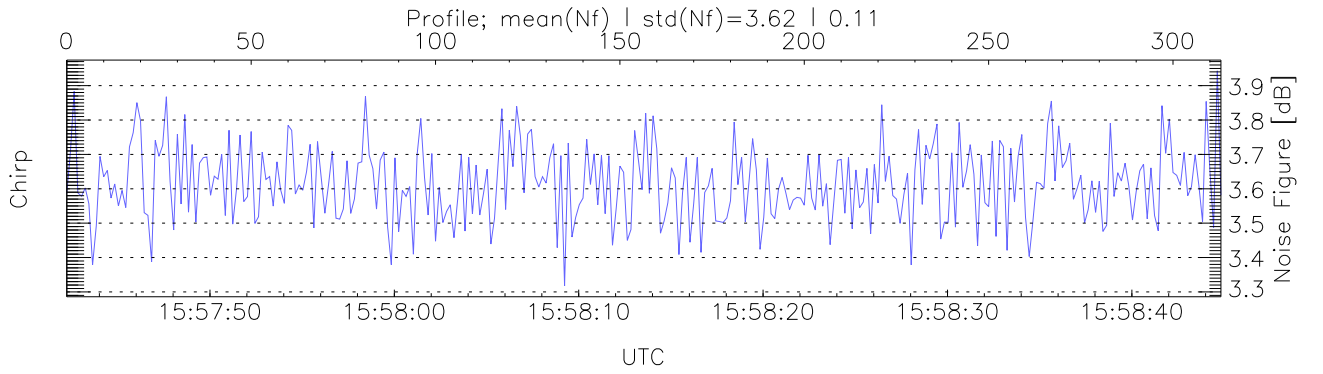


KPR SPP Temperatures, Power Supplies, PLO lock:

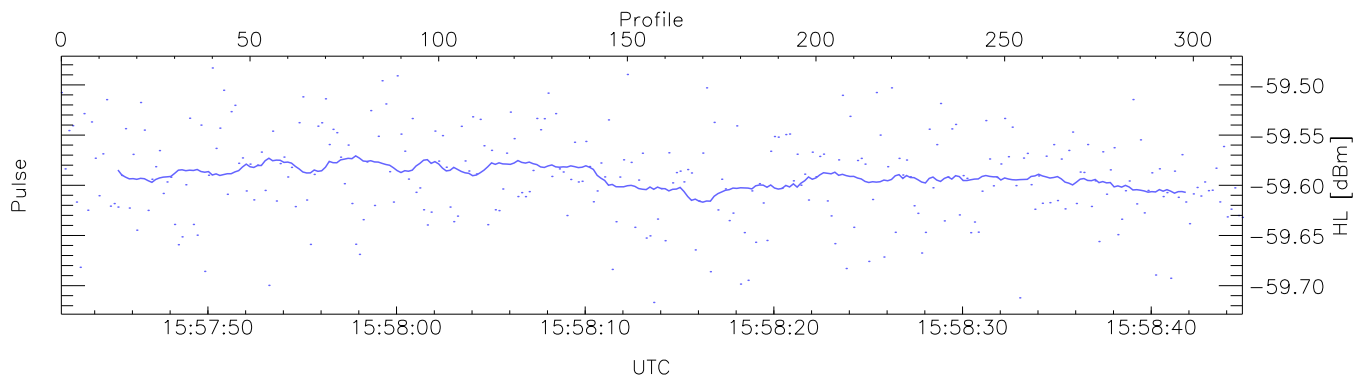
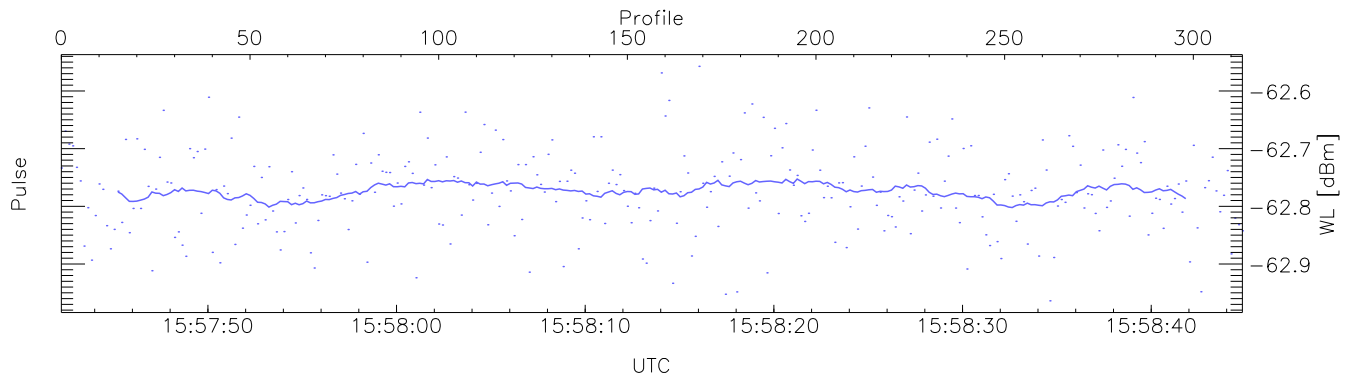
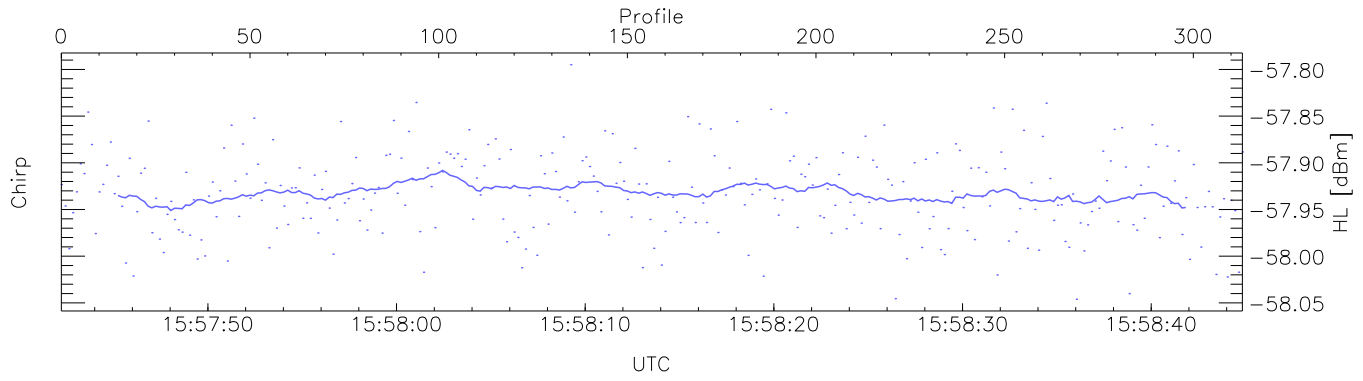
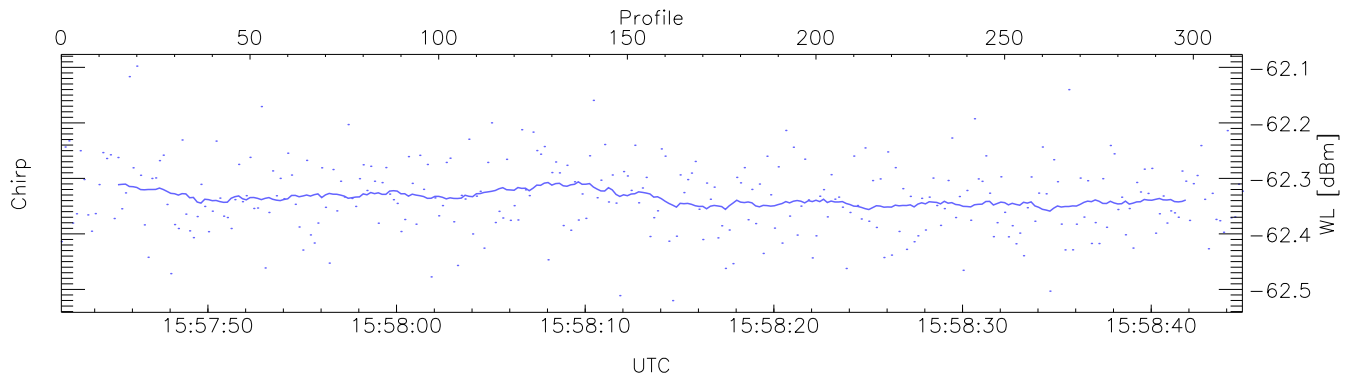
temperature: NS, LO, Tx, RM, LNA, Head, Ant
 mintempC: 19.6, 20.8, 20.4, 19.1, 21.4, 14.1, 16.1
 maxtempC: 19.9, 21.1, 21.3, 19.6, 21.8, 14.2, 16.4
 meantempC: 19.8, 21.0, 20.8, 19.3, 21.6, 14.2, 16.2

PwrSply: 28, 12, 8, 5 VDC
 minVDC: 27.48, 11.68, 7.87, 5.22
 maxVDC: 27.84, 11.72, 7.89, 5.23
 meanVDC: 27.67, 11.70, 7.88, 5.23

PLO(3.84,15.84 GHz) unlocked: None

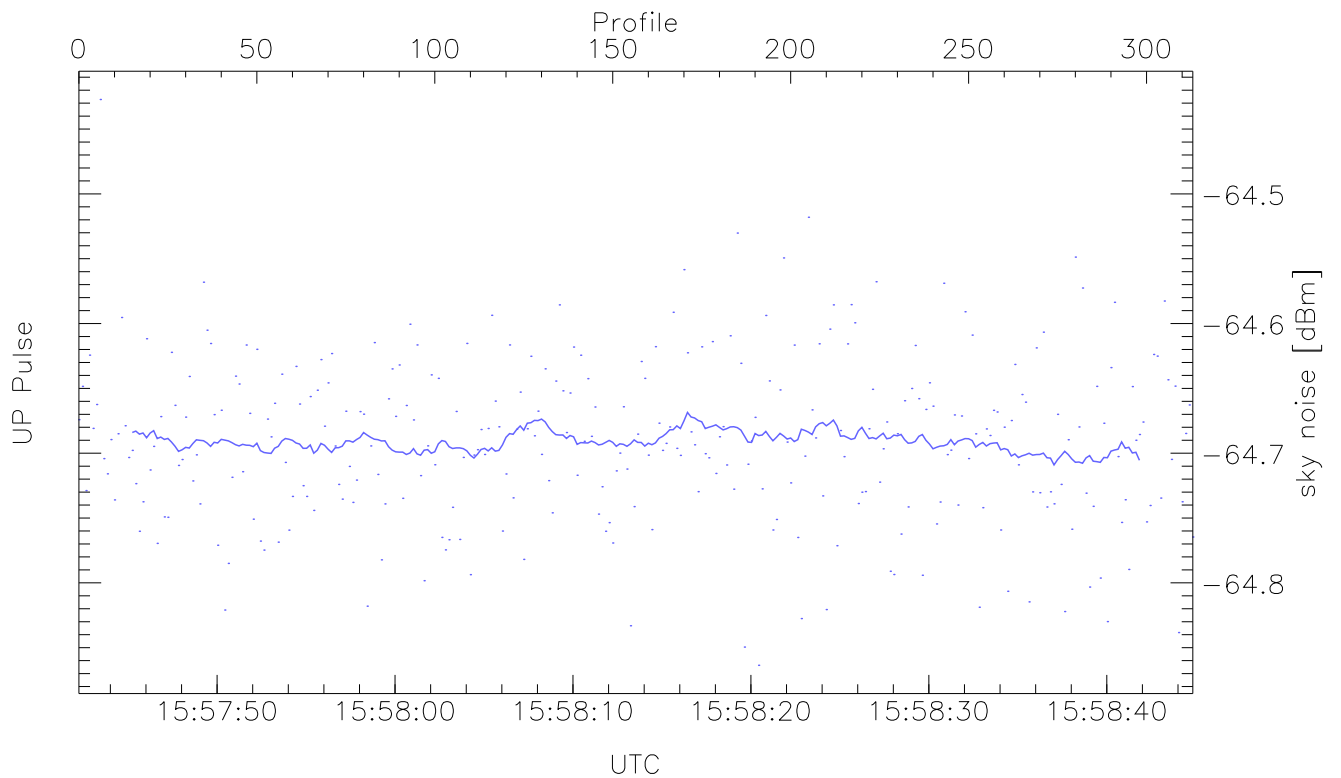
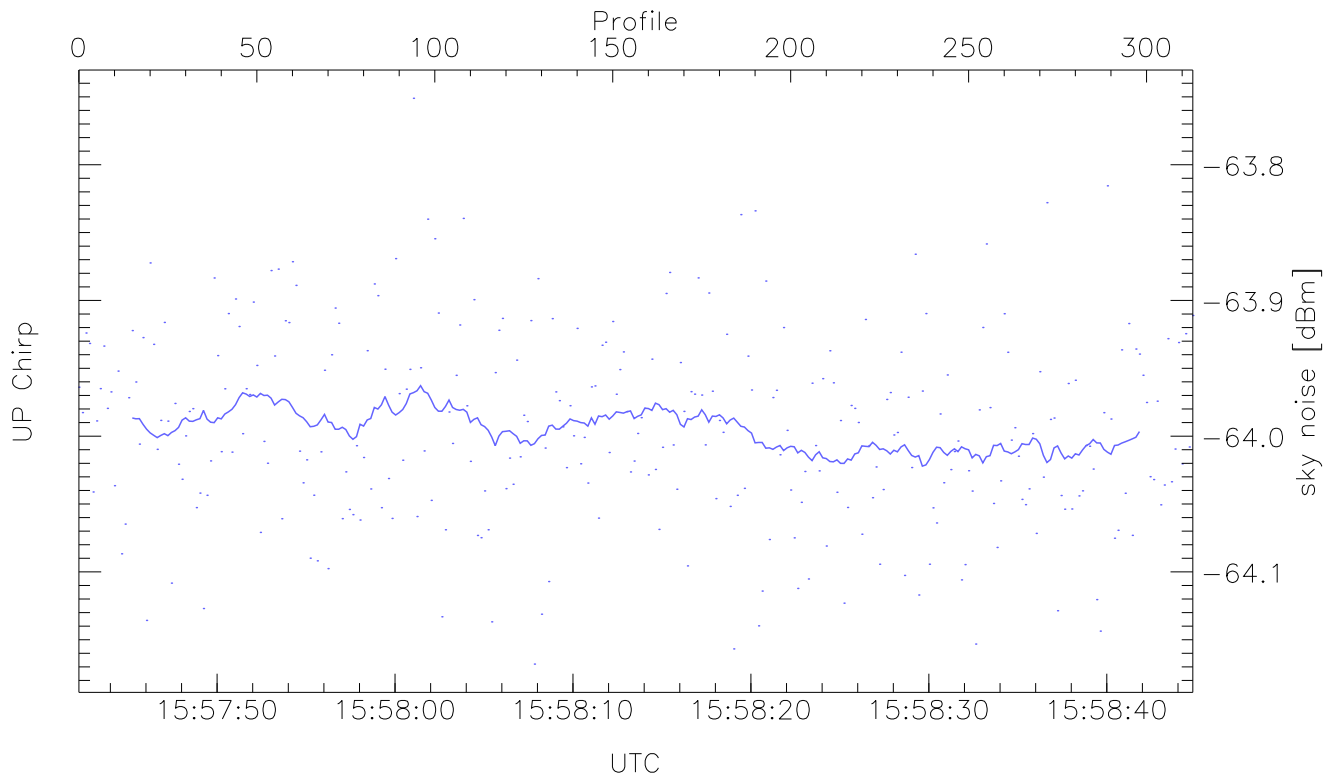


KPR SPP Receiver Gain and Noise Figure



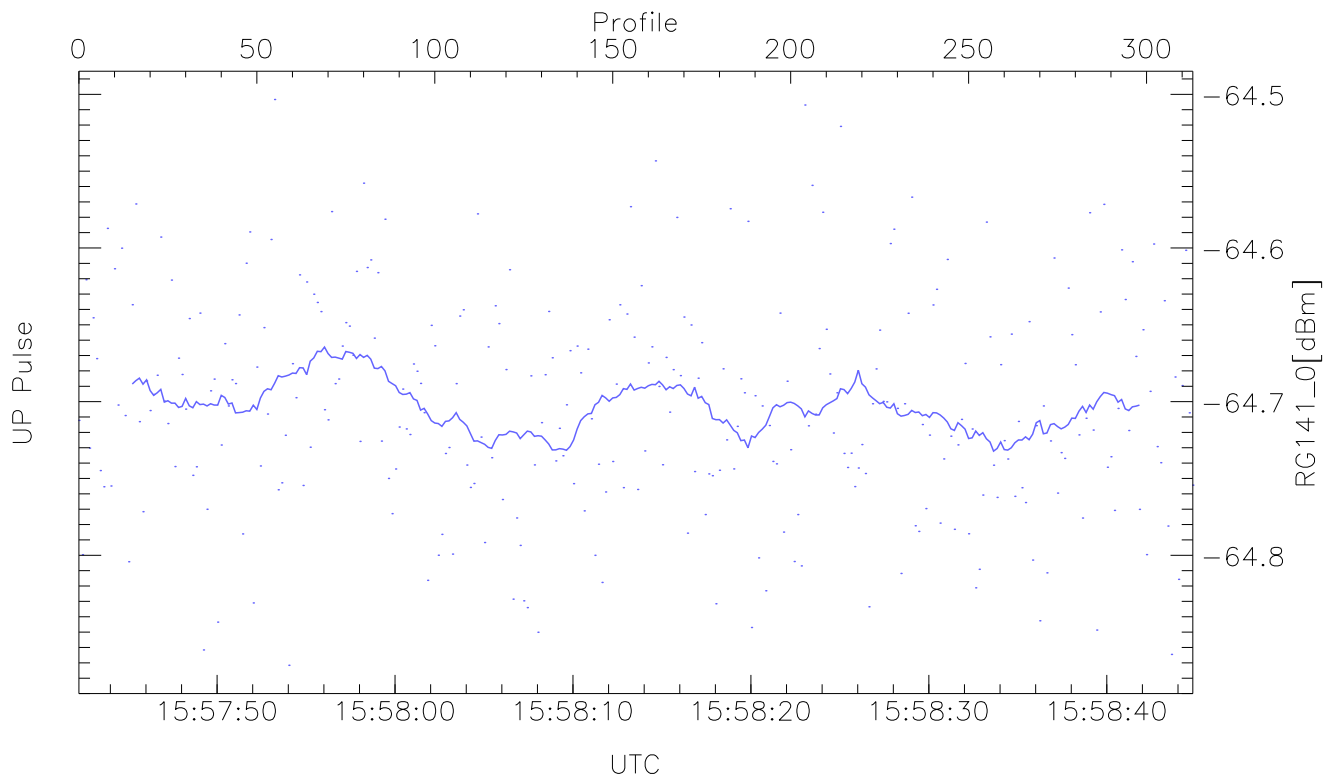
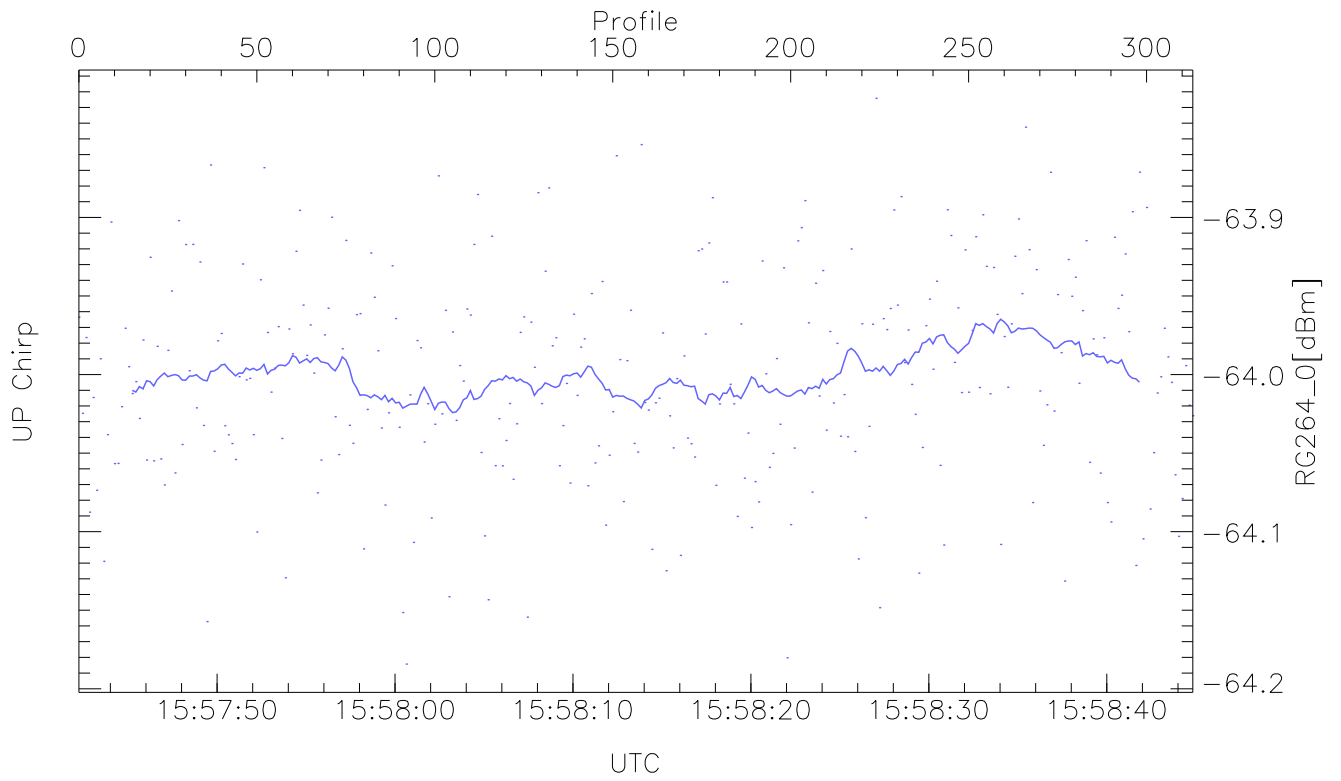
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.52	-62.10	-62.33	-62.34	-80.51
Chirp(HL [dBm])	-58.05	-57.79	-57.93	-57.93	-77.93
Pulse(WL [dBm])	-62.96	-62.56	-62.77	-62.78	-80.65
Pulse(HL [dBm])	-59.72	-59.48	-59.59	-59.59	-79.54



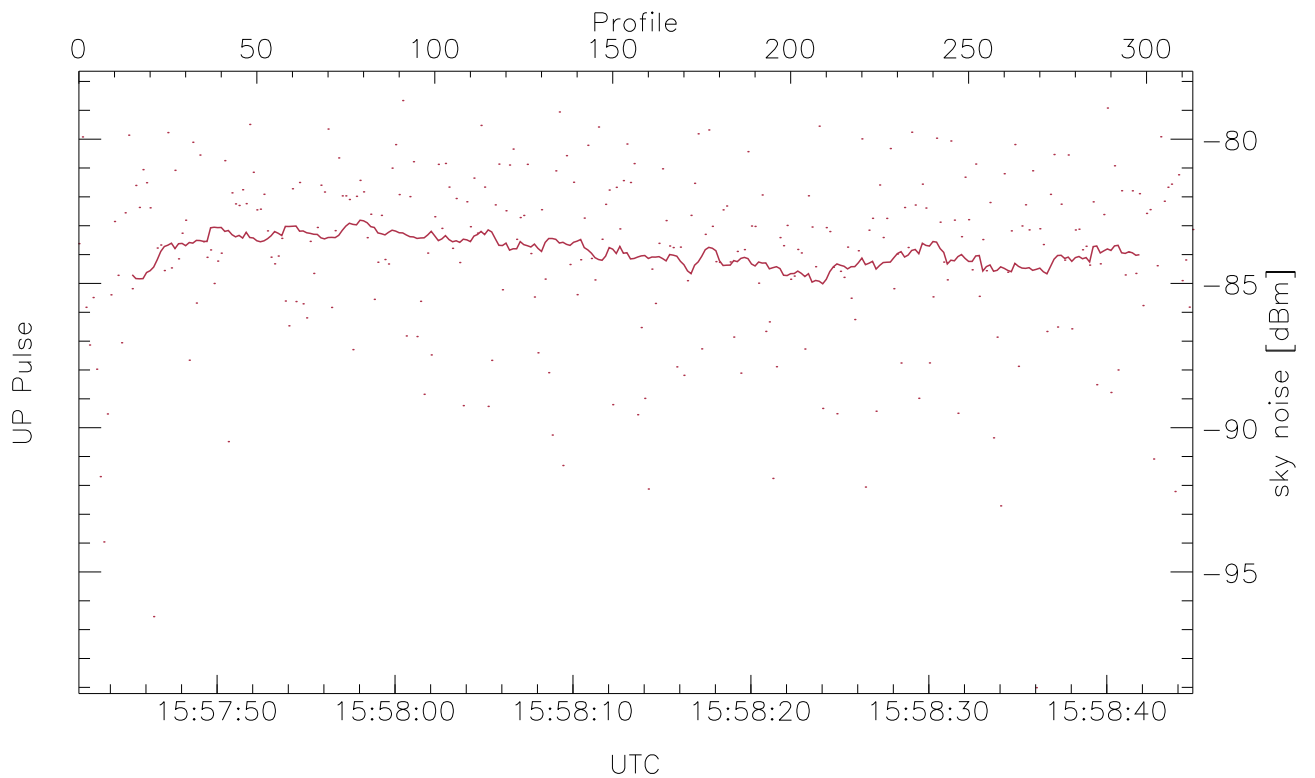
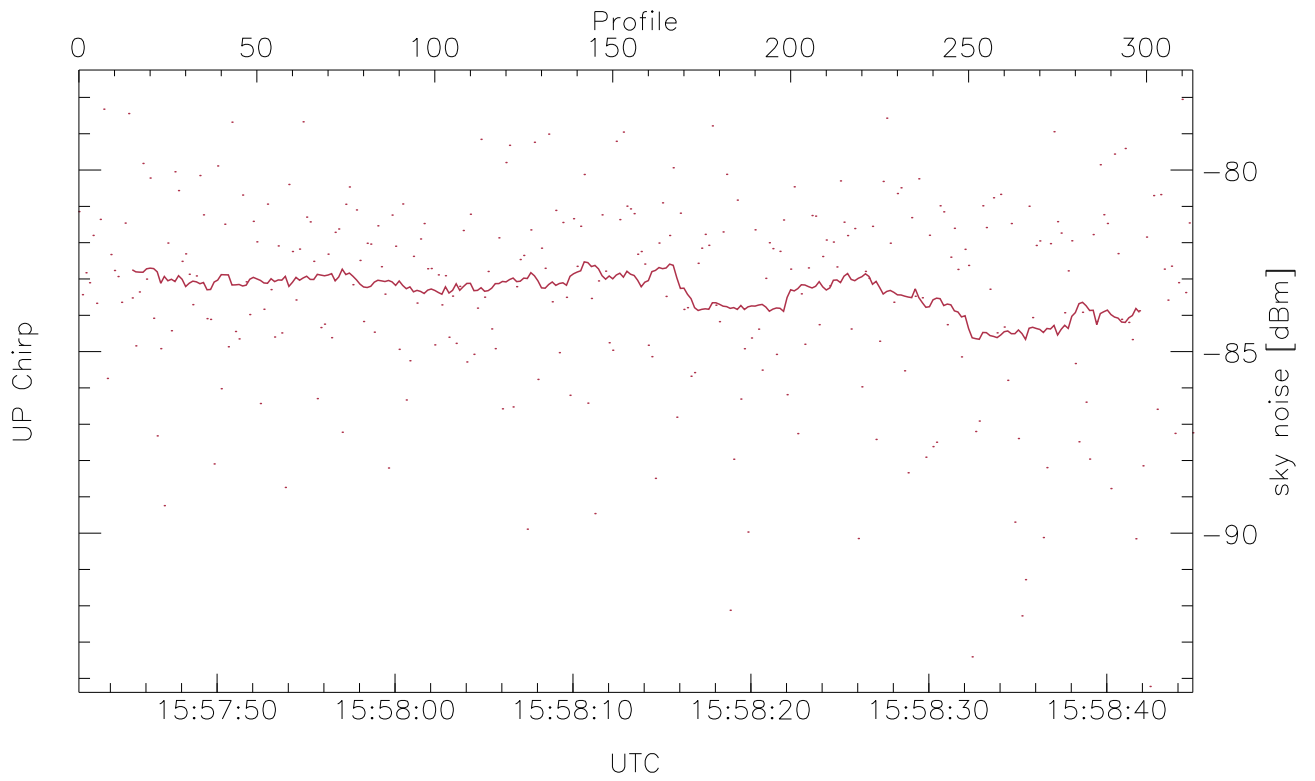
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.17	-63.75	-63.99	-64.00	-81.97
UP Pulse(dBm)	-64.86	-64.43	-64.69	-64.69	-83.07



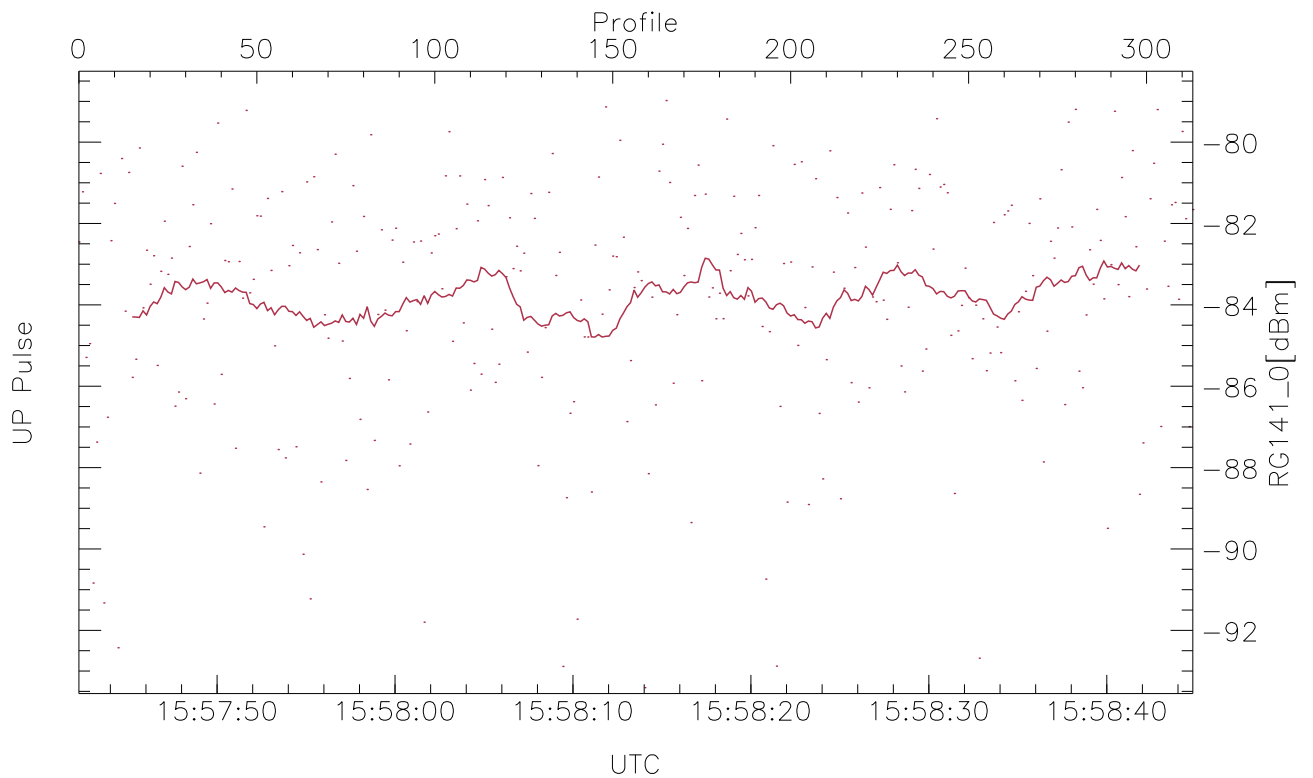
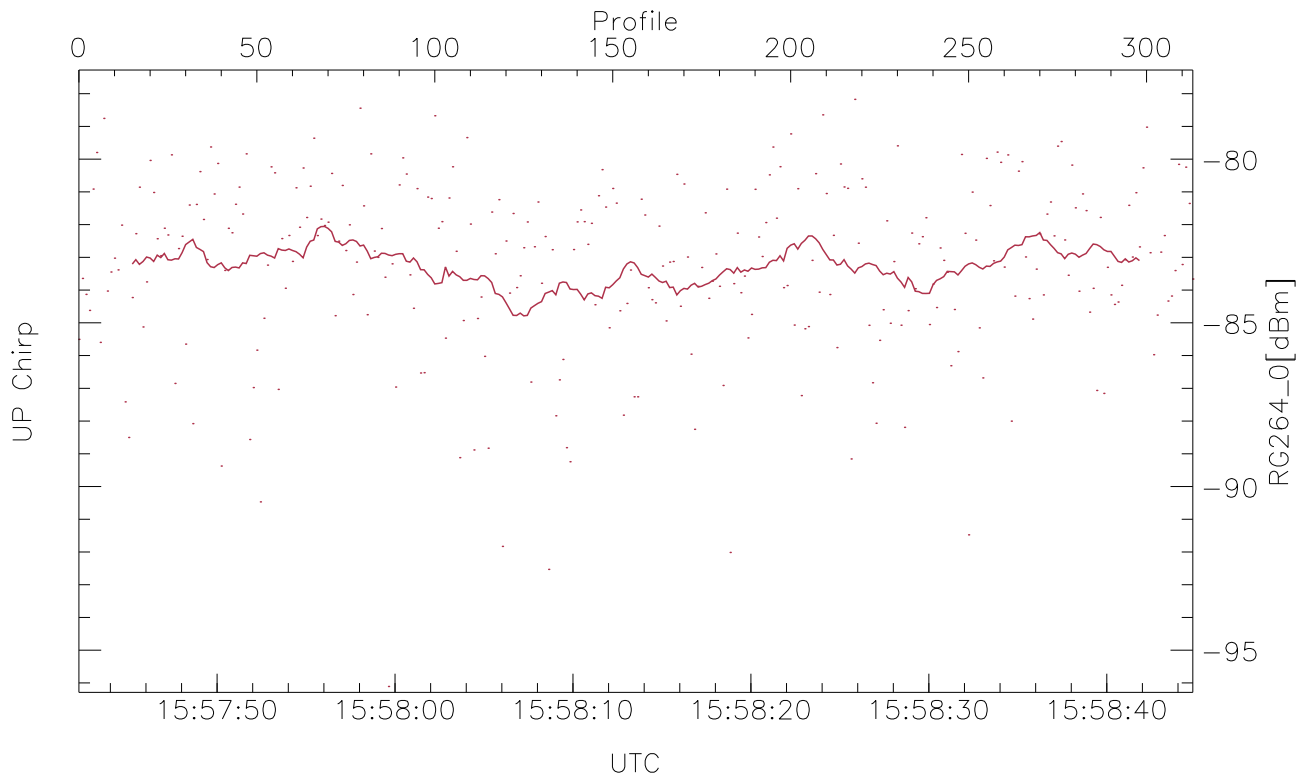
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG264_0	-64.18	-63.82	-64.00	-64.00	-82.13
UP_P_RG141_0	-64.87	-64.50	-64.70	-64.71	-82.63



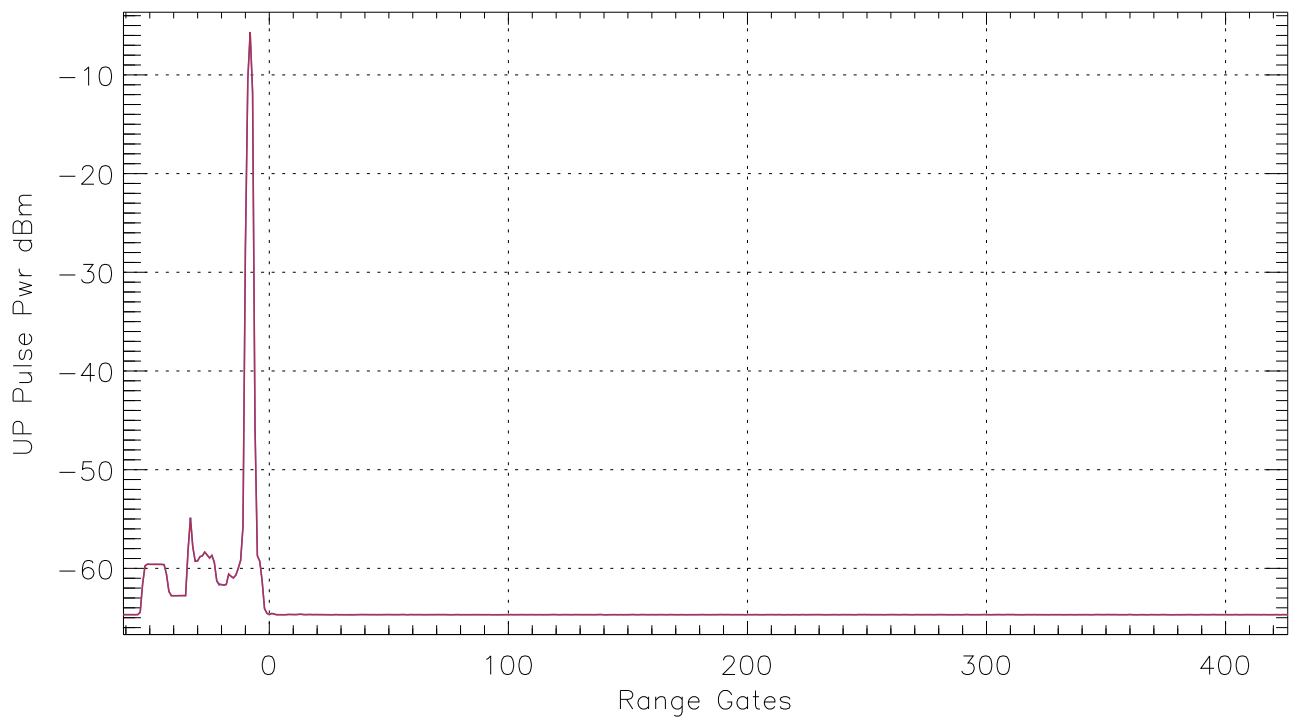
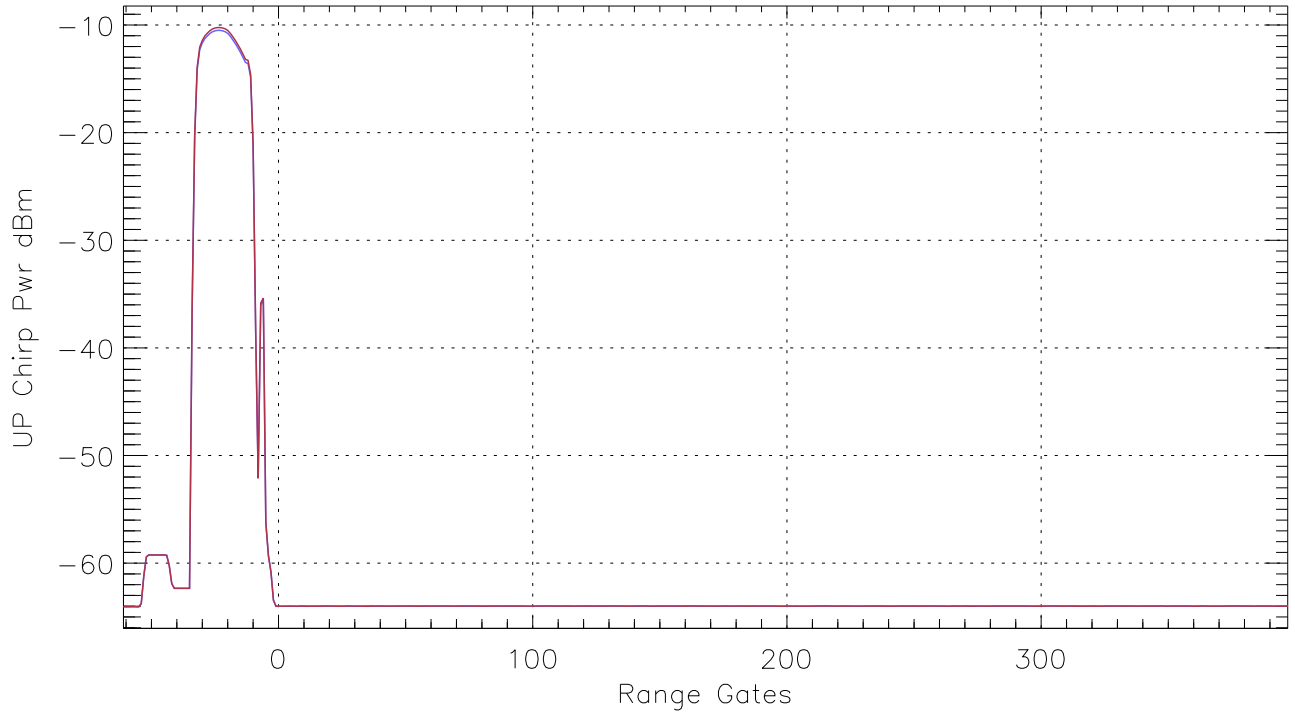
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-94.22	-78.05	-82.65	-82.79	-85.44
UP Pulse(dBm)	-99.01	-78.66	-83.13	-83.41	-85.79

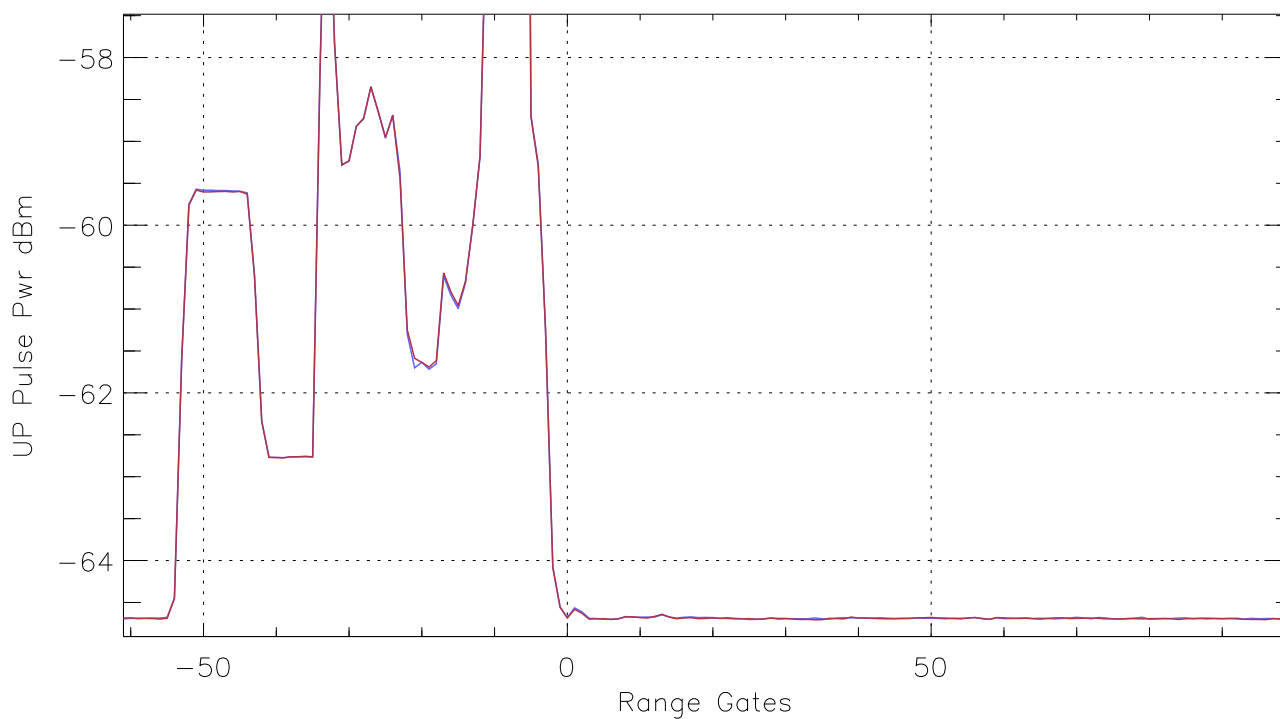
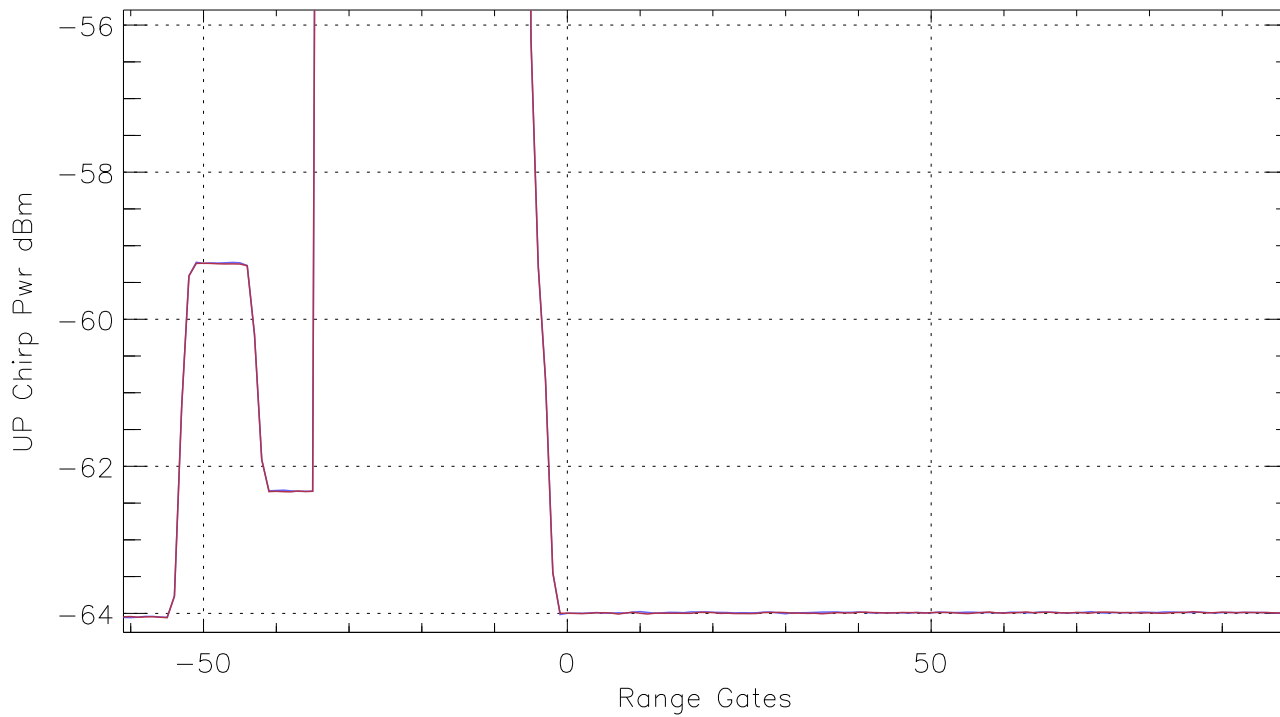


KPR SPP "Best" PPMAG noise (dBm):

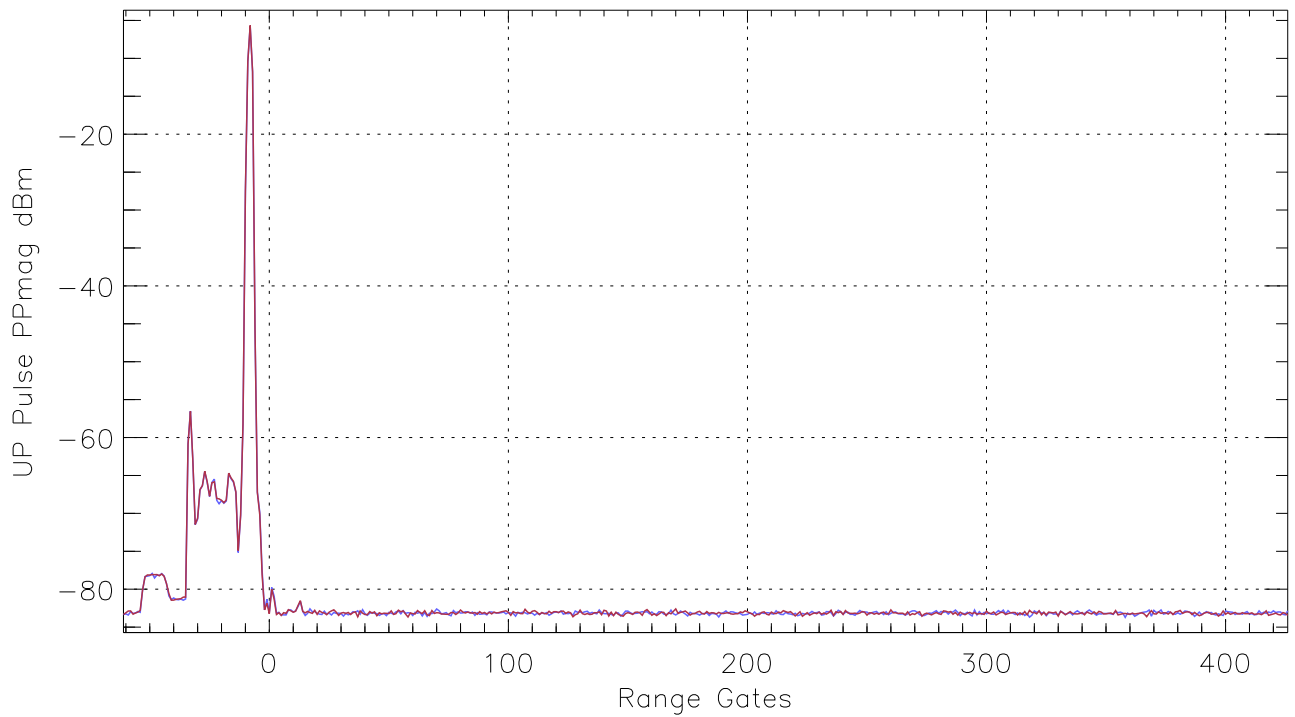
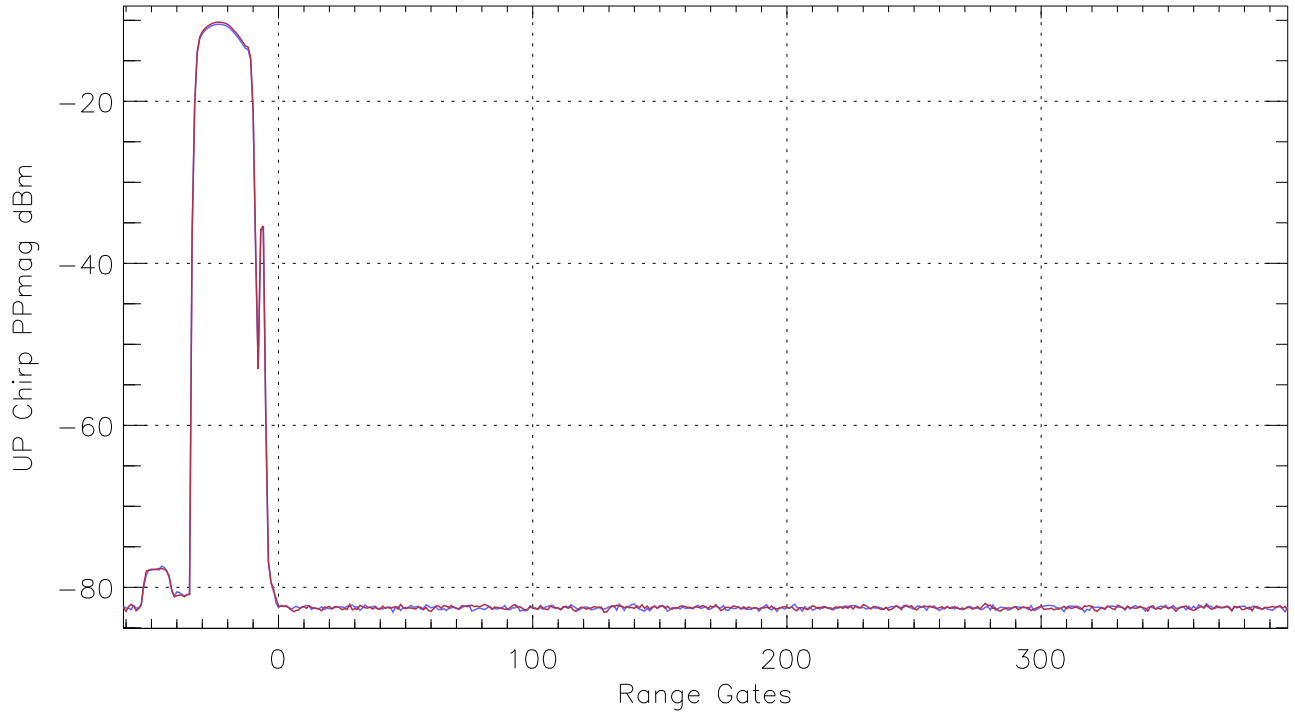
	Min	Max	Mean	Median	StDev
UP_C_RG264_0	-96.11	-78.17	-82.57	-82.89	-85.51
UP_P_RG141_0	-93.41	-78.98	-83.05	-83.28	-85.77



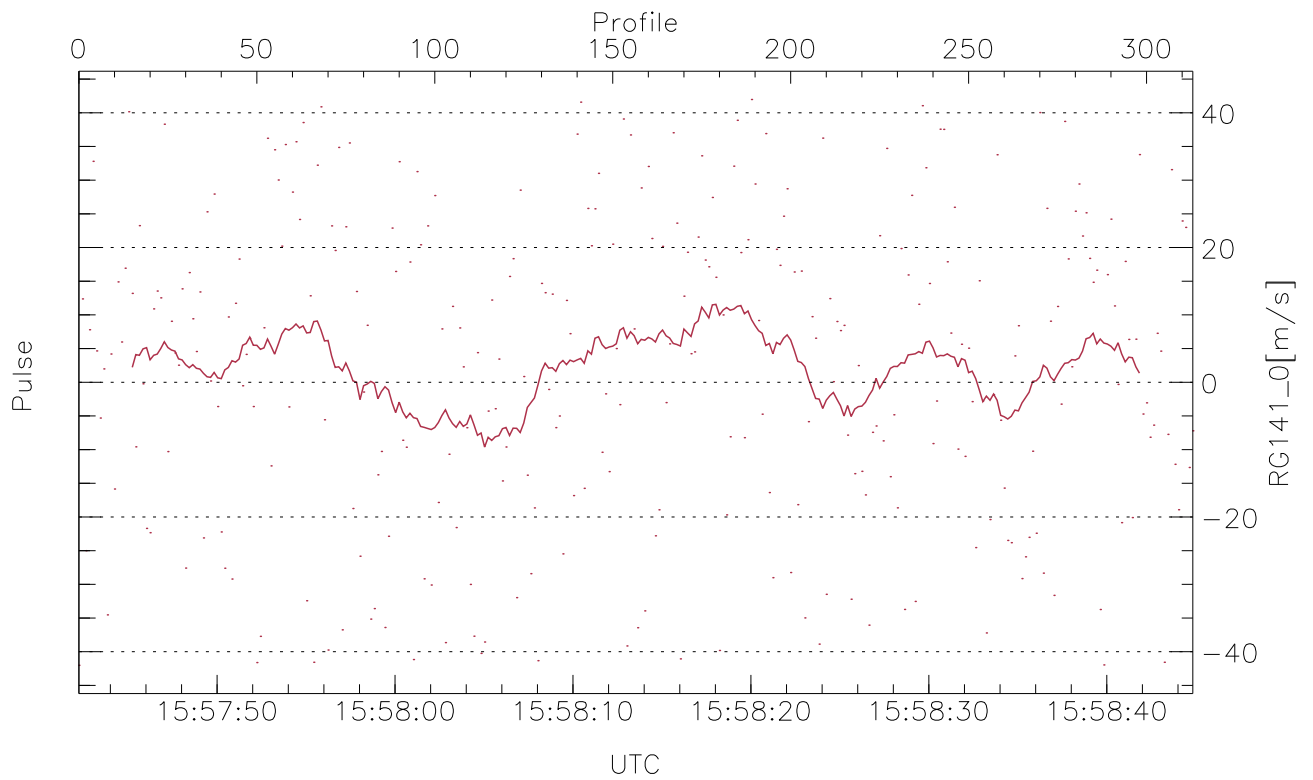
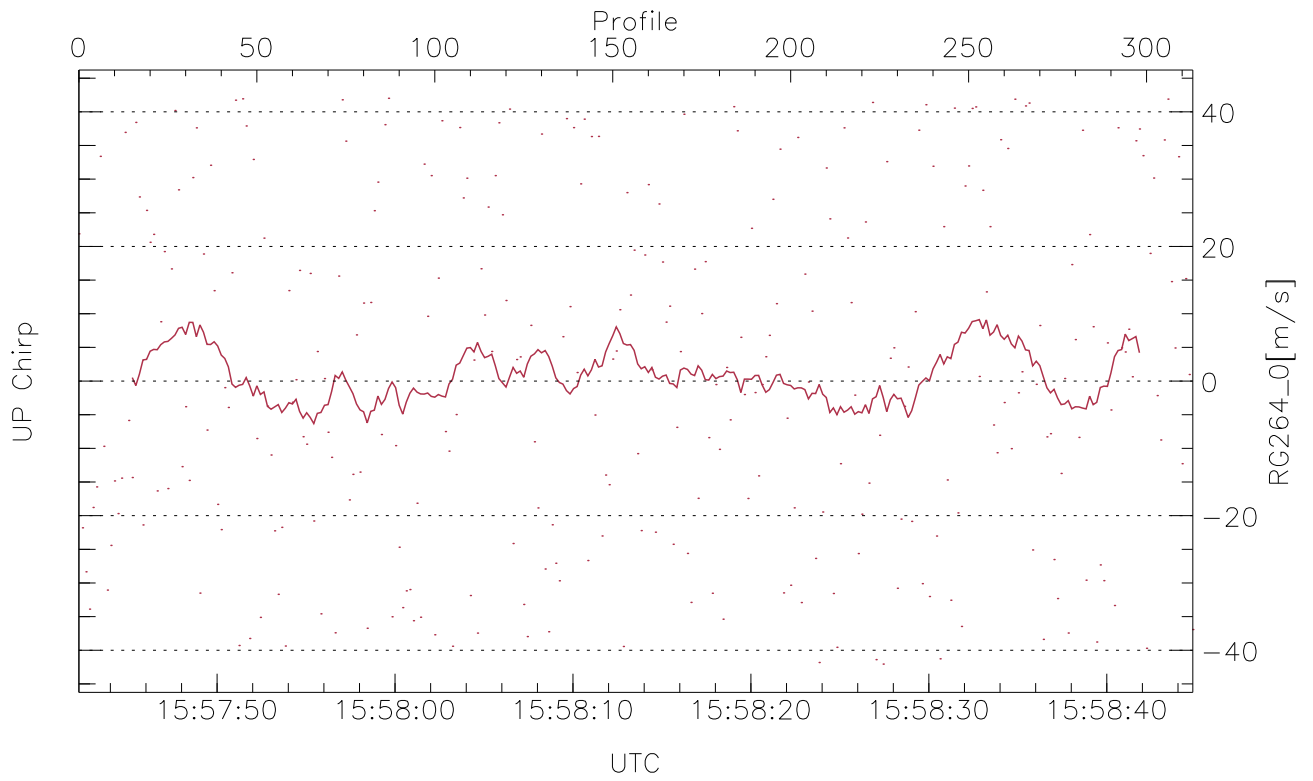
KPR SPP Averaged Received power for all recorded gates
blue: 155742-155813, 158 profiles averaged
red: 155813-155845, 157 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 155742-155813, 158 profiles averaged
red: 155813-155845, 157 profiles averaged

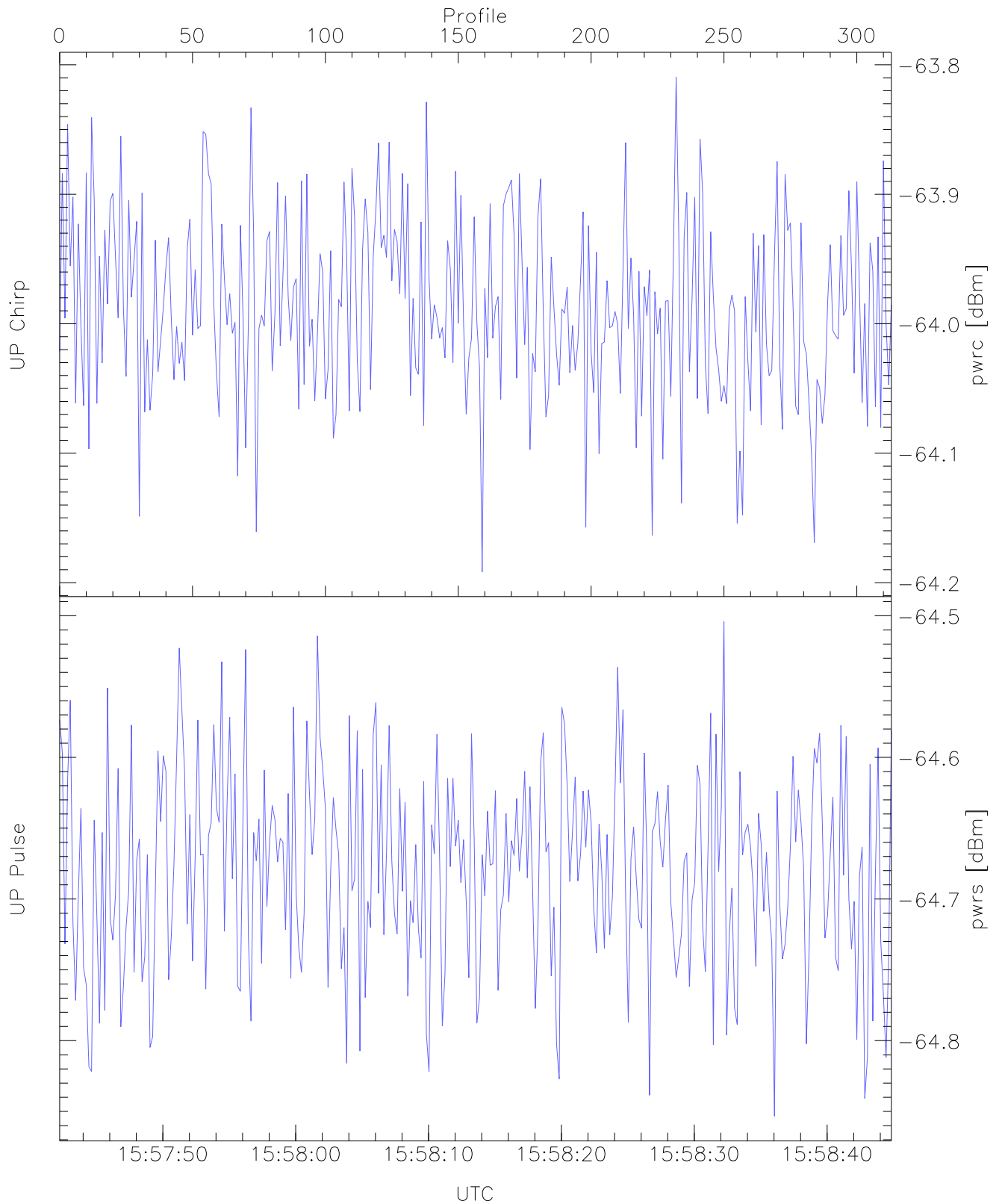


KPR SPP Averaged PP magnitude for all recorded gates
blue: 155742-155813, 158 profiles averaged
red: 155813-155845, 157 profiles averaged



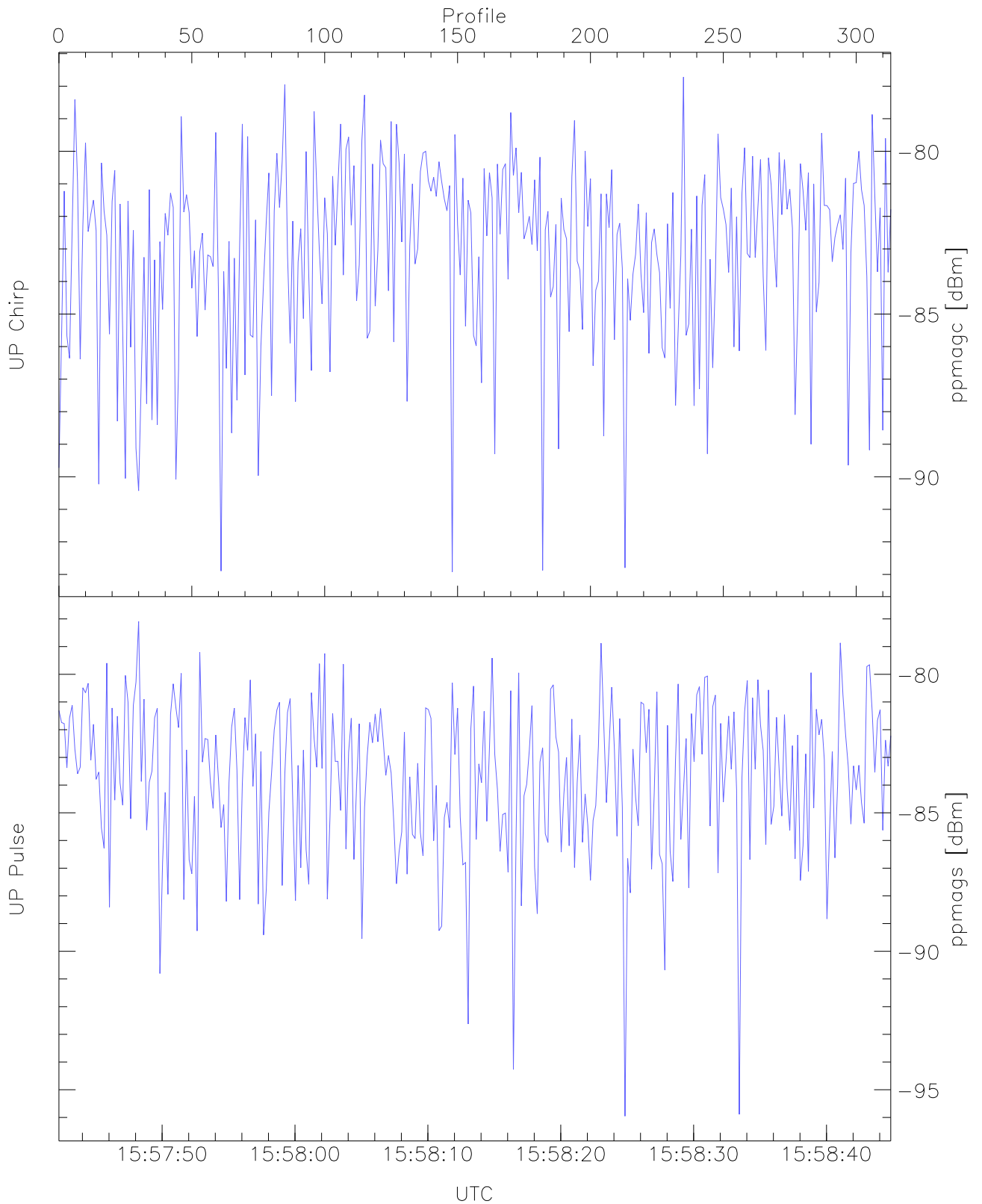
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG264_0	-42.05	42.01	0.85	0.37	25.04
UP_P_RG141_0	-42.01	41.97	1.94	4.62	22.68



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

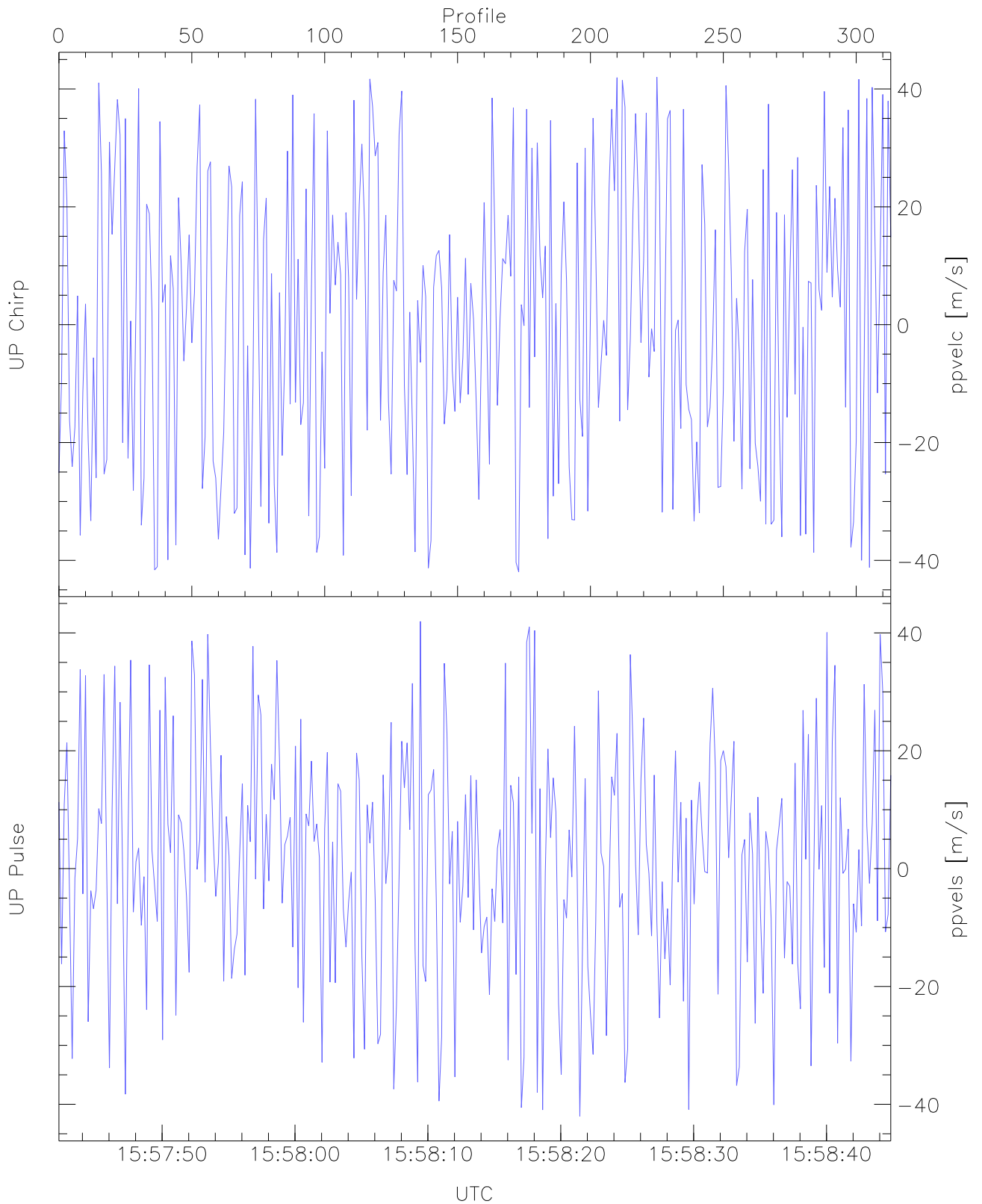
	Min	Max	Mean
UP Chirp(dBm)	-64.19	-63.81	-63.99
UP Pulse(dBm)	-64.85	-64.50	-64.68



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

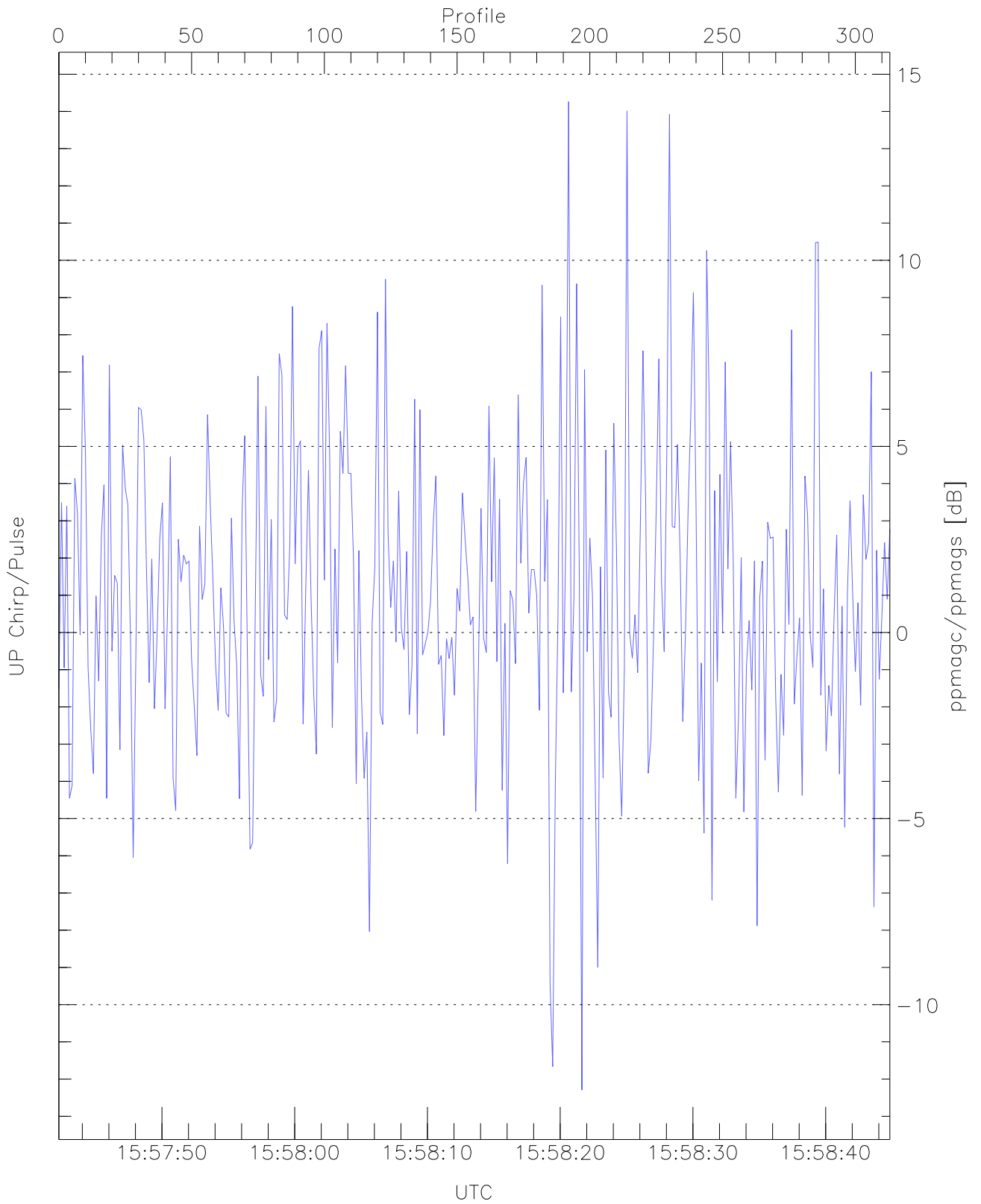
KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-92.92	-77.72	-82.36
UP Pulse(dBm)	-95.95	-78.09	-83.01



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)	-41.95	42.02	0.56
UP Pulse(m/s)	-42.02	41.96	1.25



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-12.30	14.26	3.08