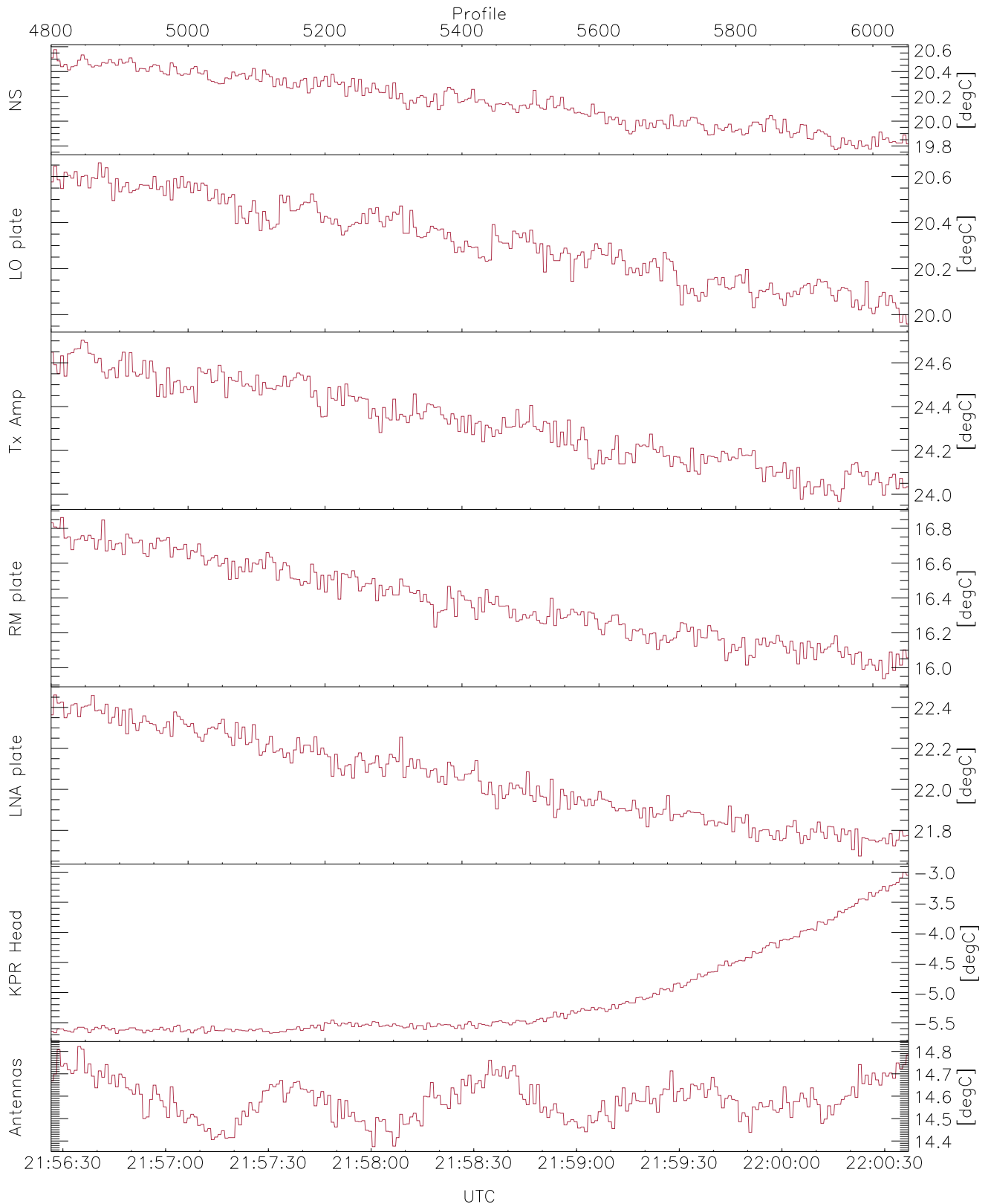


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 21:40:27-22:00:37, TimeCor: 0.00s, Dur: 250.40s
 TimeInt(min,max,mn,std): 189.4,210.6,200.0,0.9 ms; PPS: 5.0
 NumRec(r/t): 1253/6053, 4800-6052/21:56:27-22:00:37
 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

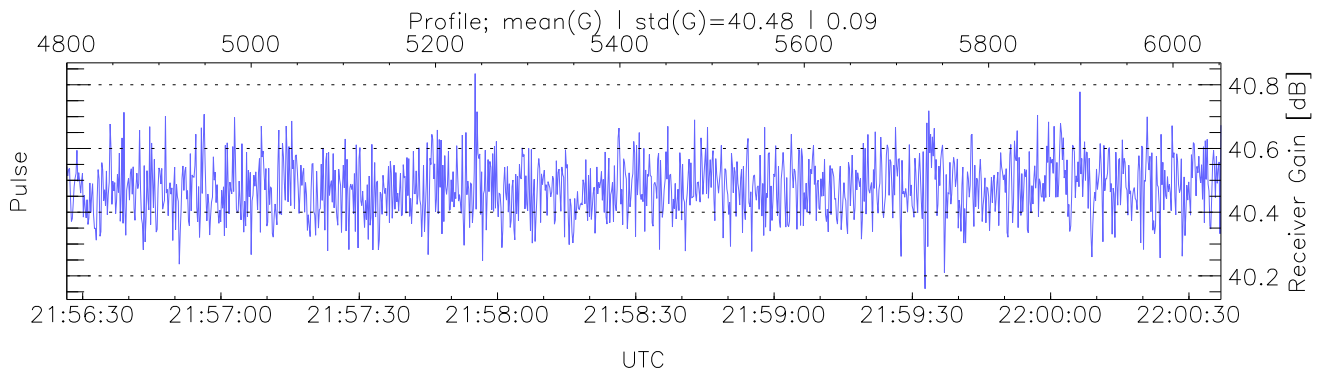
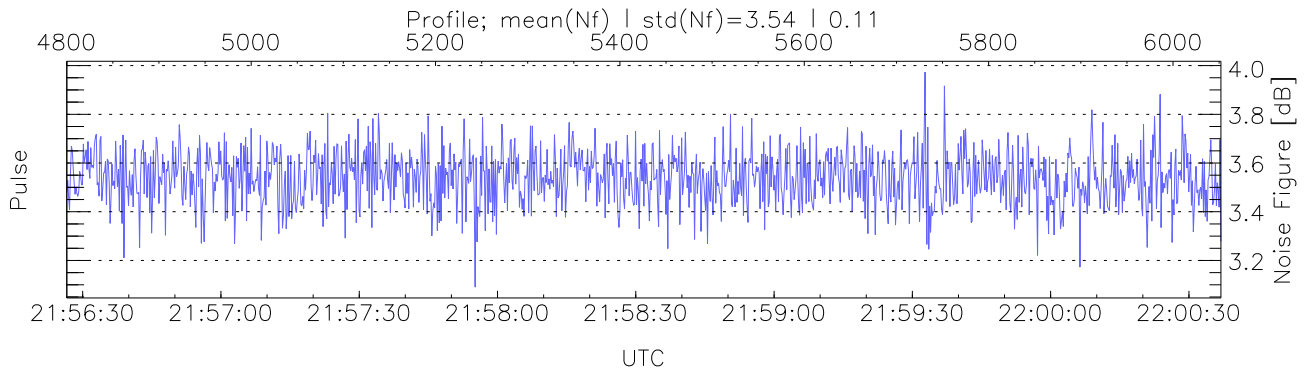
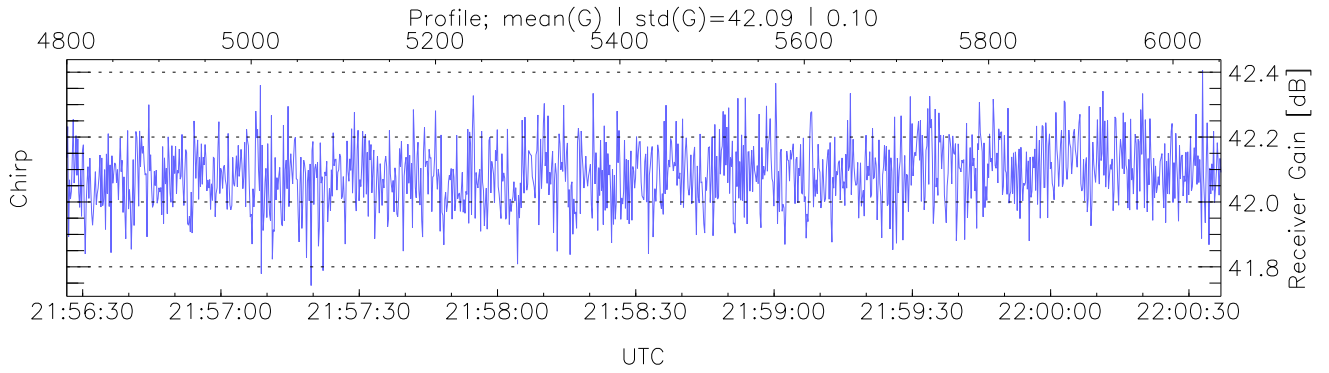
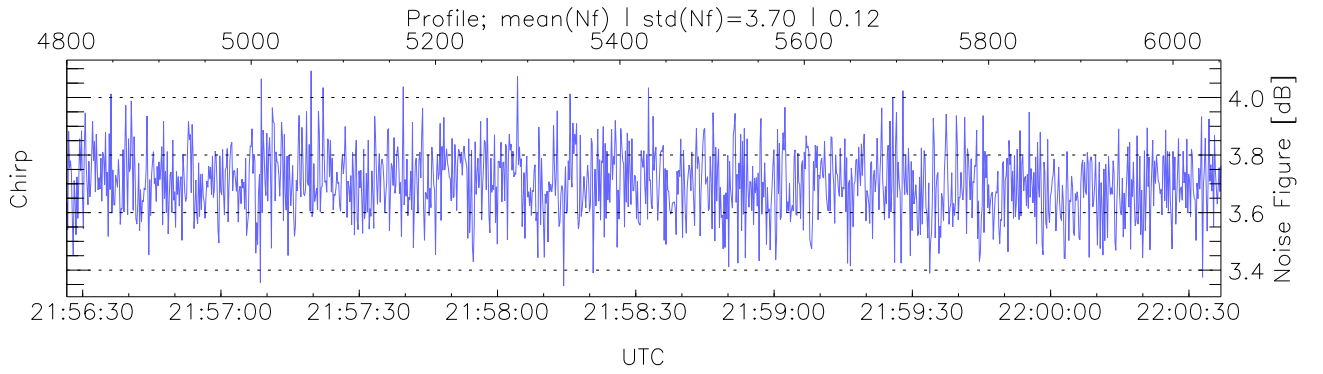


KPR SPP Temperatures, Power Supplies, PLO lock:

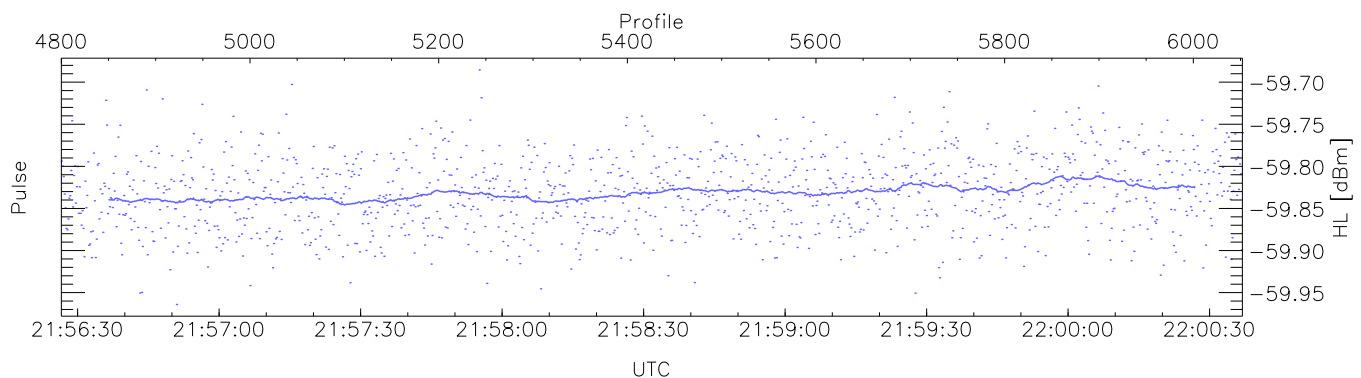
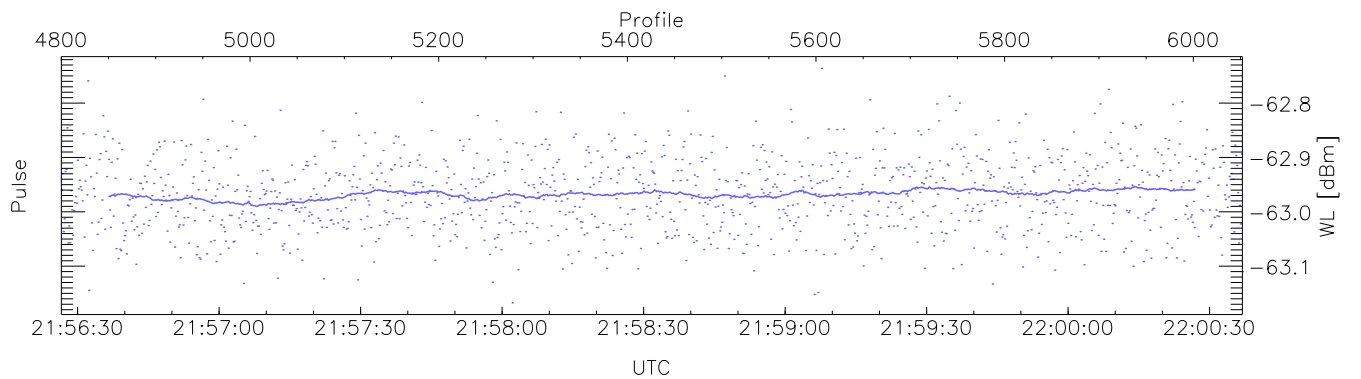
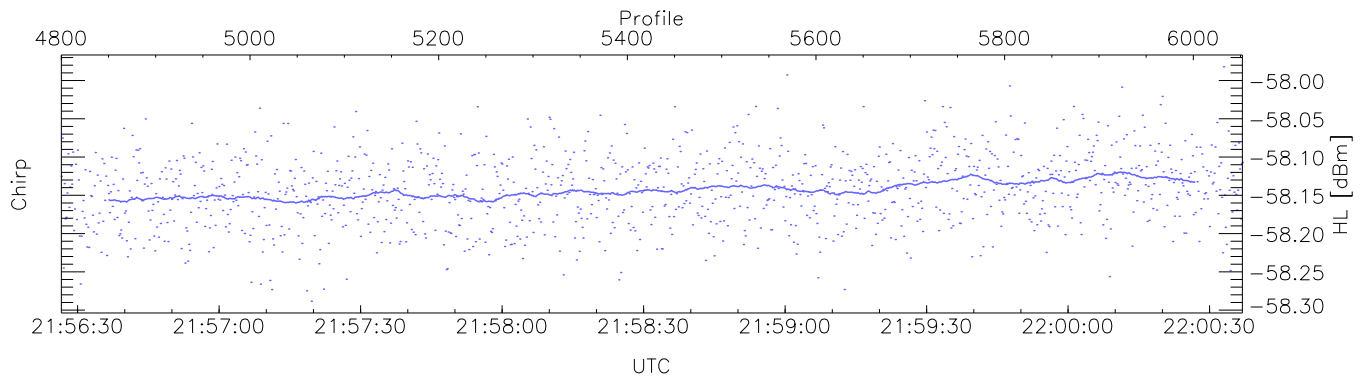
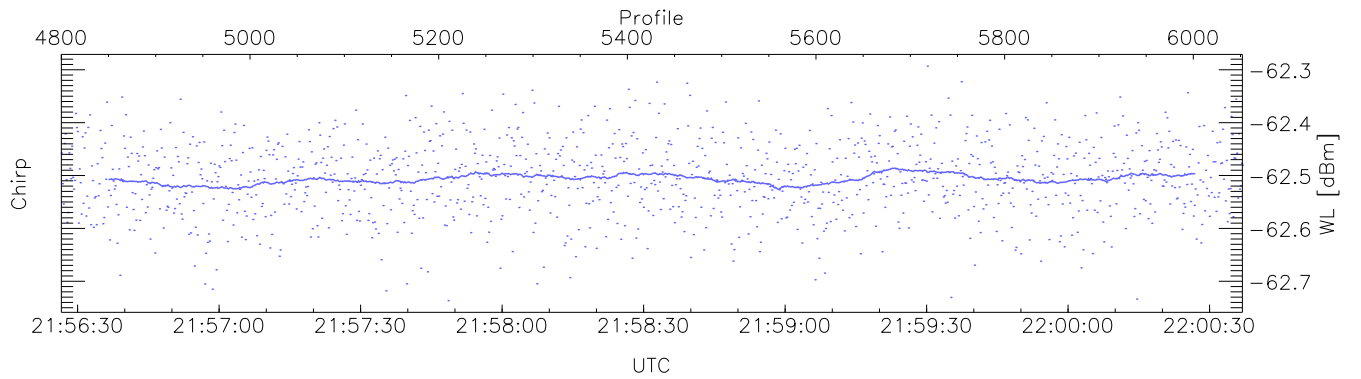
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	19.8,	20.0,	24.0,	15.9,	21.7,	-5.7,	14.4
maxtempC:	20.6,	20.7,	24.7,	16.9,	22.5,	-3.0,	14.8
meantempC:	20.2,	20.3,	24.3,	16.4,	22.0,	-5.1,	14.6

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.93,	11.69,	7.87,	5.21
maxVDC:	27.76,	11.73,	7.90,	5.23
meanVDC:	26.94,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

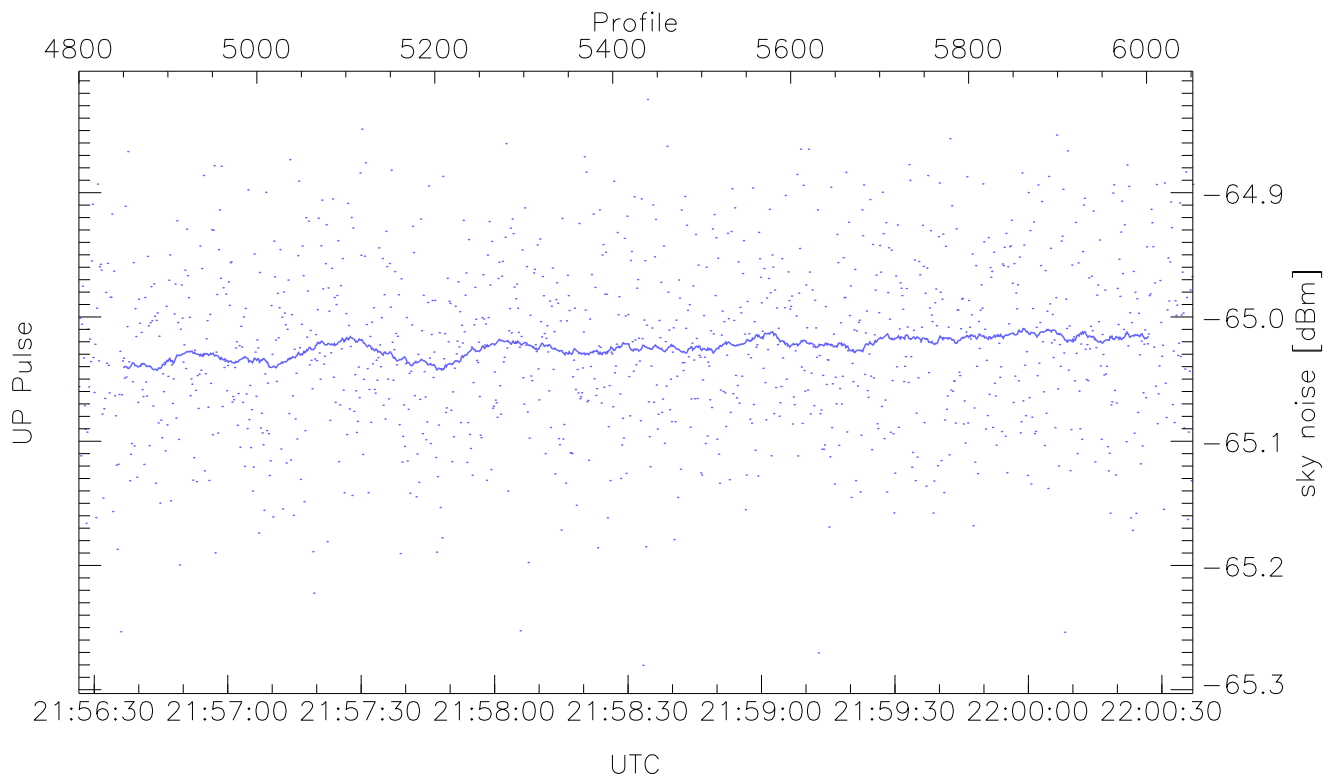
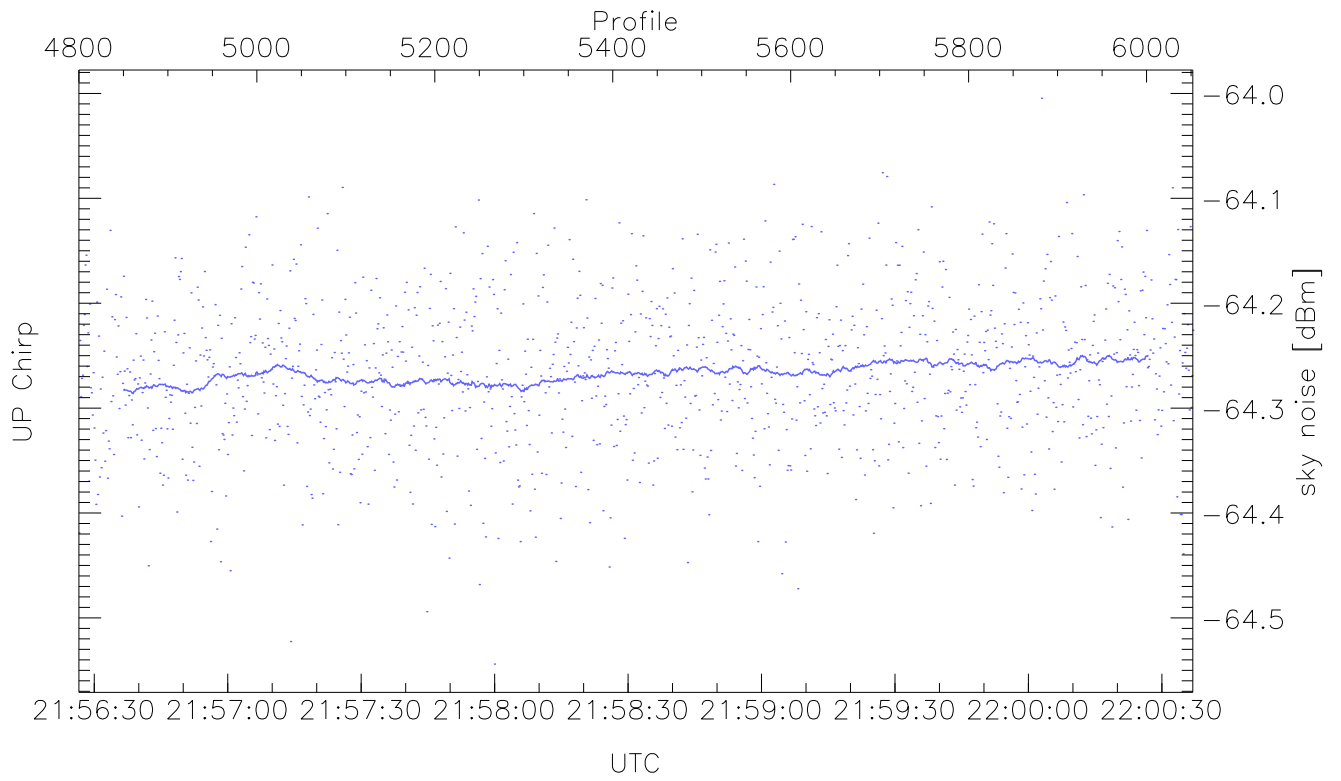


KPR SPP Receiver Gain and Noise Figure



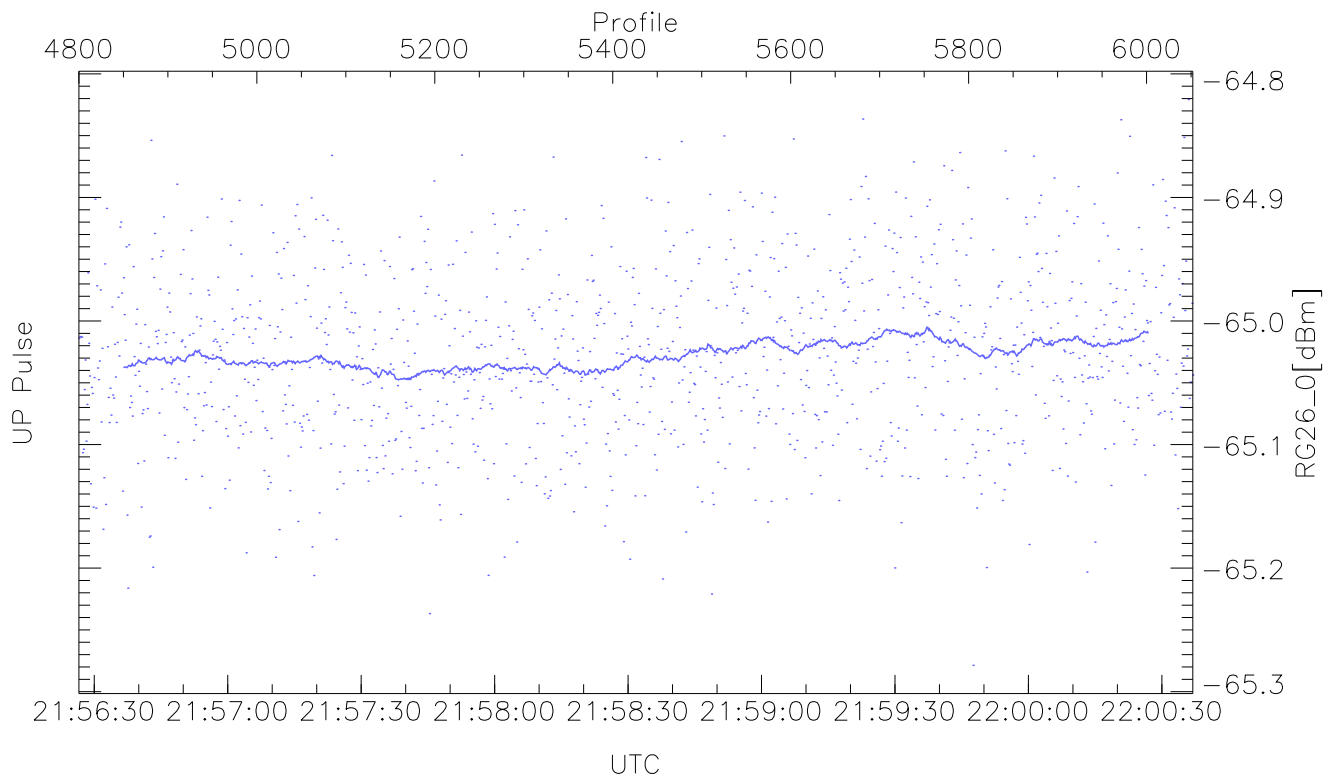
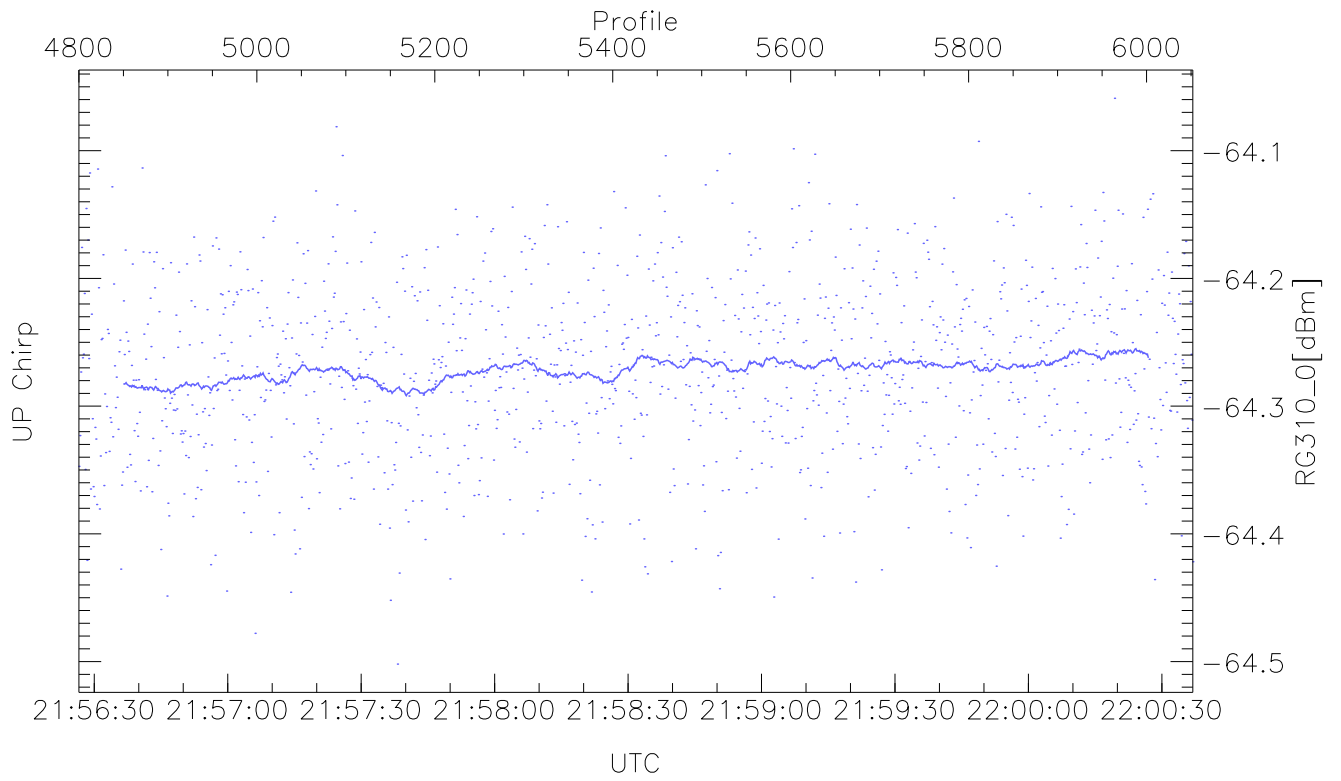
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.74	-62.29	-62.51	-62.51	-80.45
Chirp(HL [dBm])	-58.29	-57.98	-58.14	-58.14	-77.94
Pulse(WL [dBm])	-63.17	-62.74	-62.97	-62.97	-81.13
Pulse(HL [dBm])	-59.96	-59.69	-59.83	-59.83	-79.87



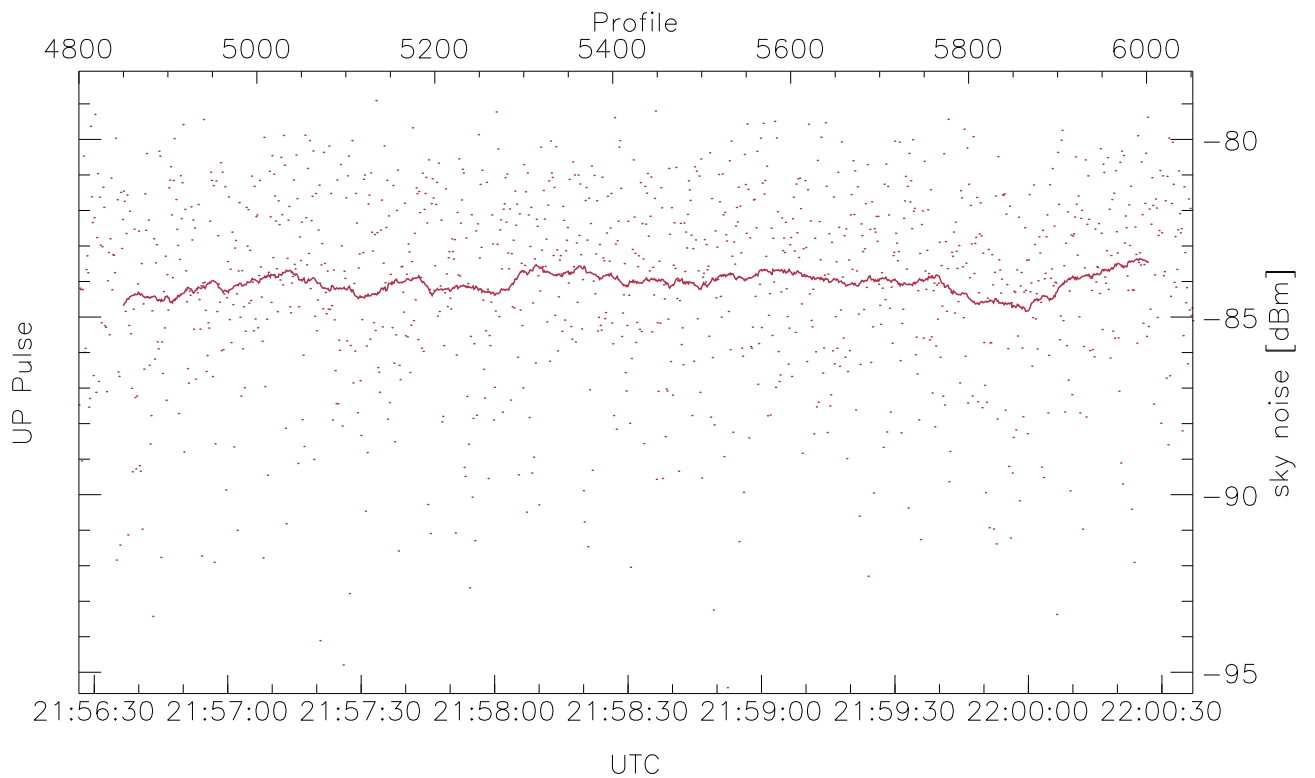
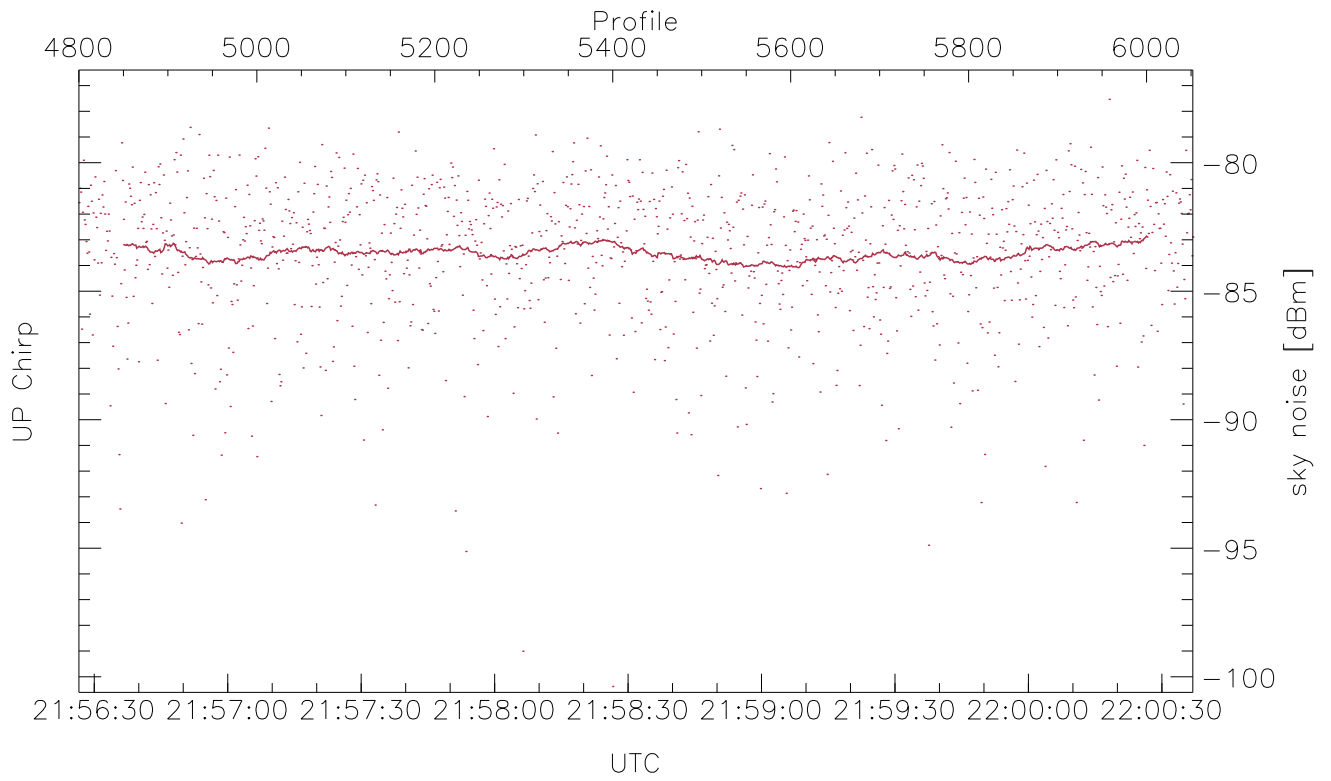
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.54	-64.00	-64.27	-64.27	-82.18
UP Pulse(dBm)	-65.28	-64.83	-65.02	-65.02	-83.02



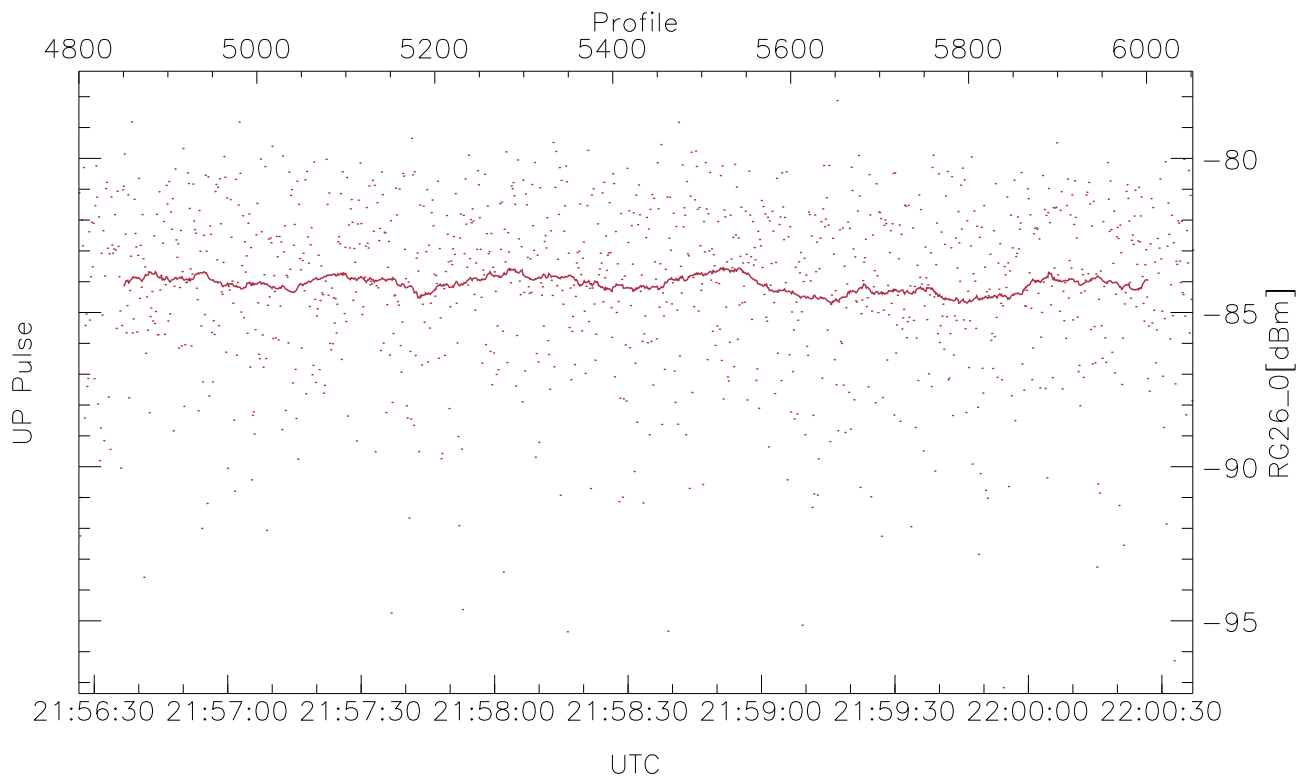
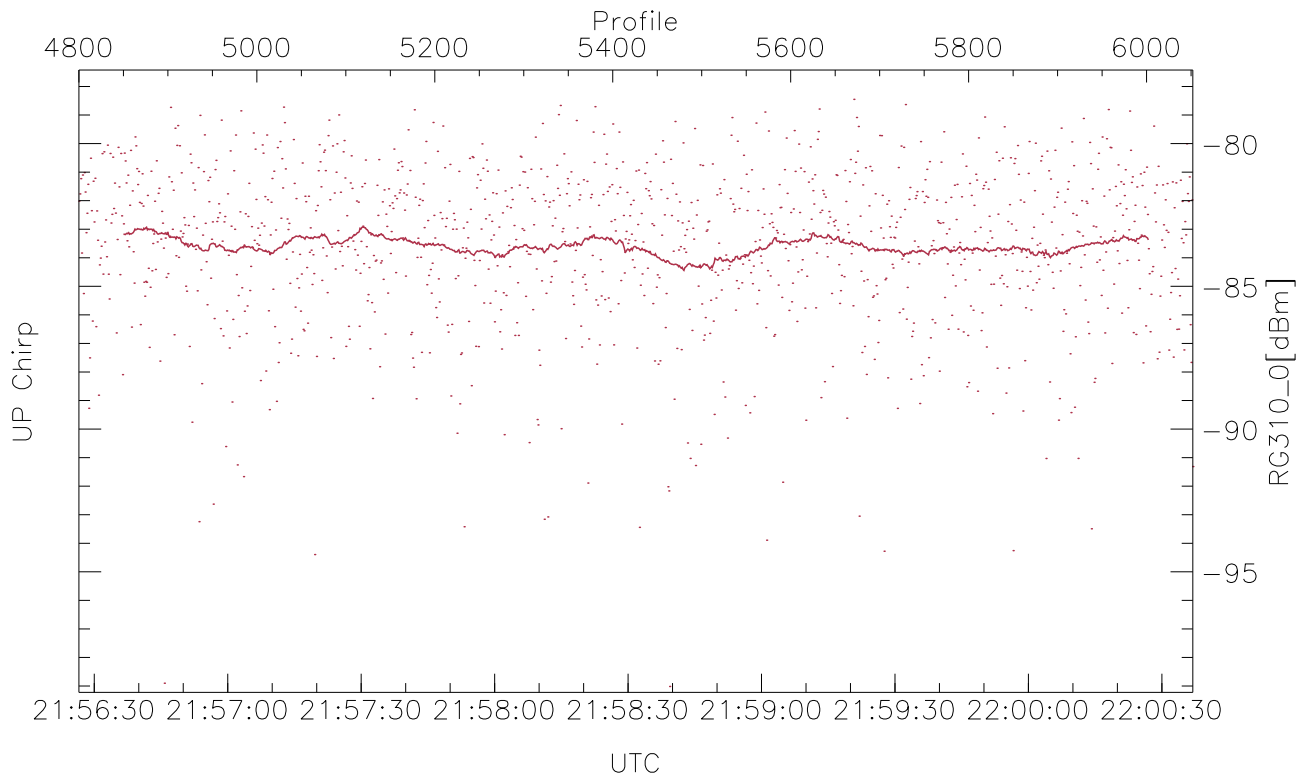
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG310_0	-64.50	-64.06	-64.27	-64.27	-82.34
UP_P_RG26_0	-65.28	-64.82	-65.03	-65.03	-83.02



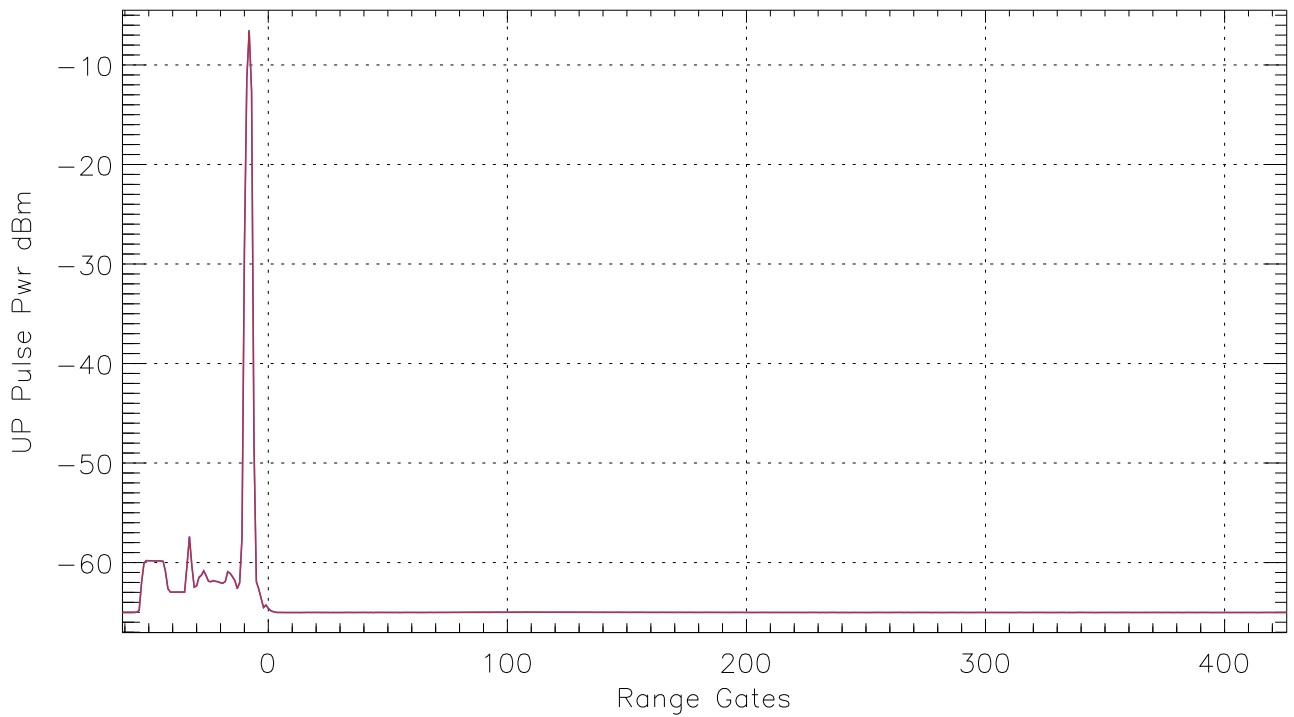
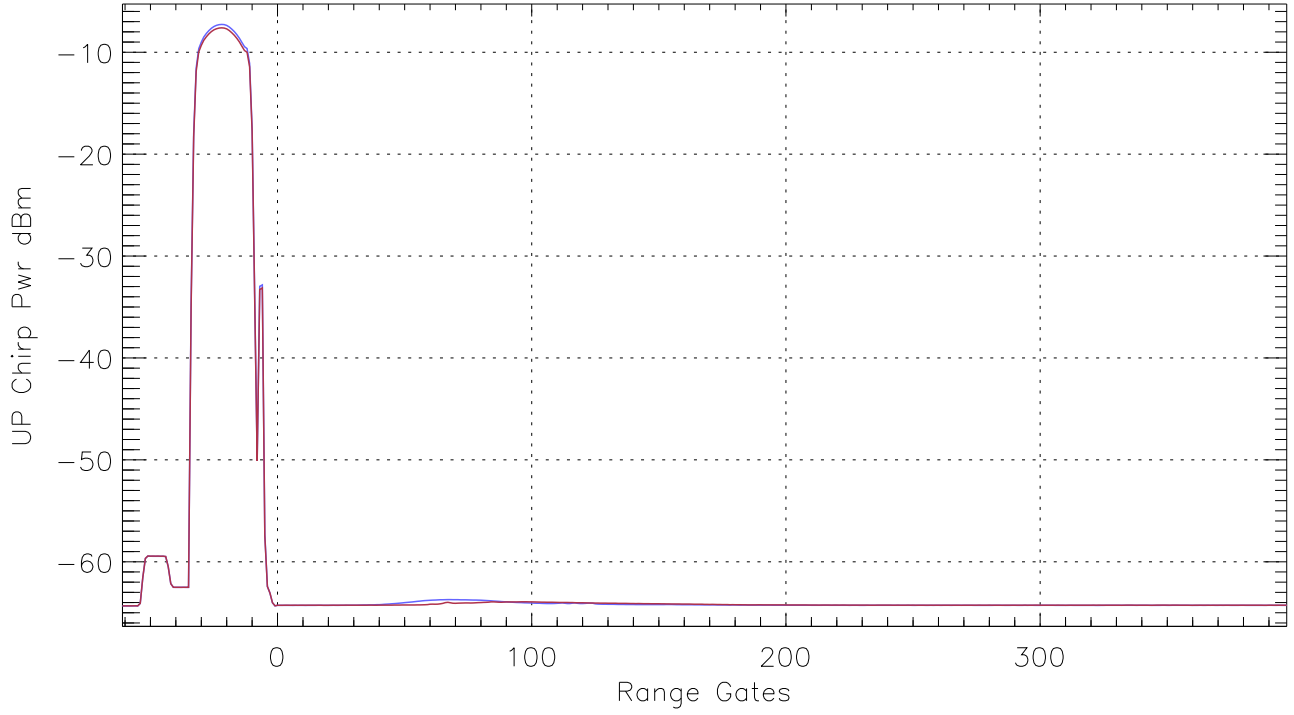
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-100.38	-77.53	-82.81	-83.03	-85.82
UP Pulse(dBm)	-95.43	-78.91	-83.34	-83.65	-86.21

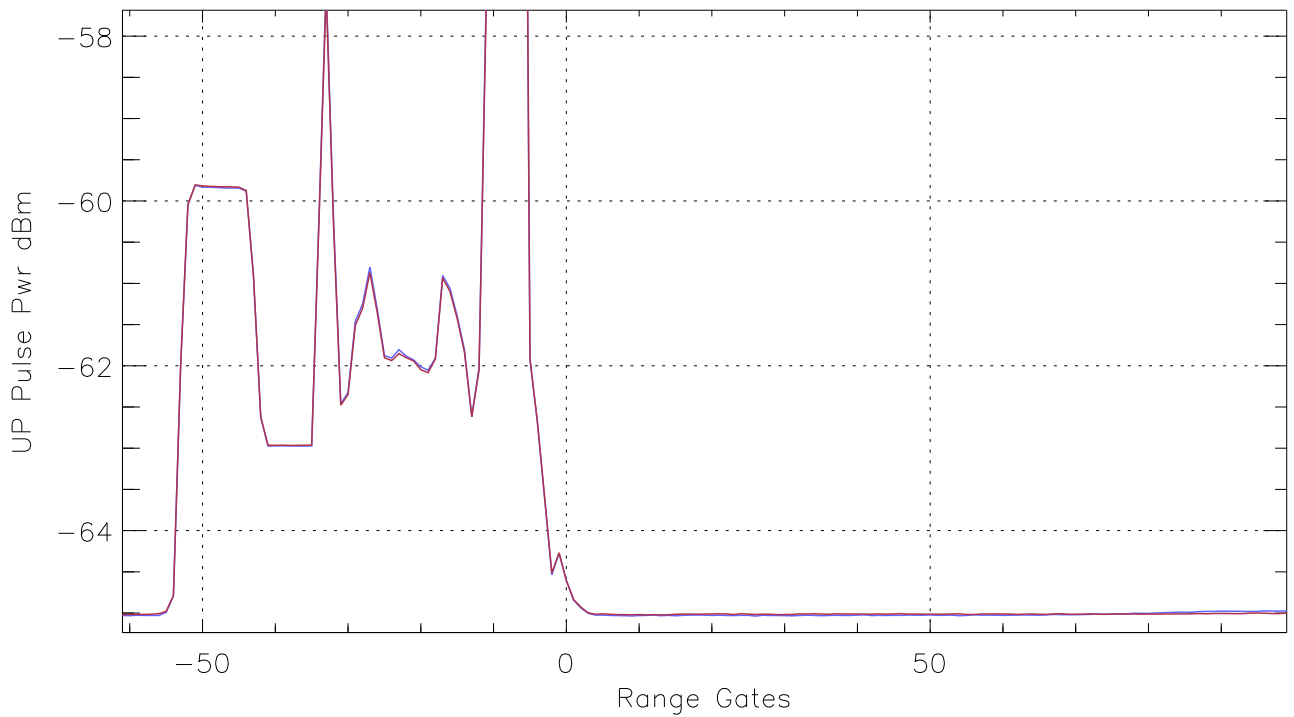
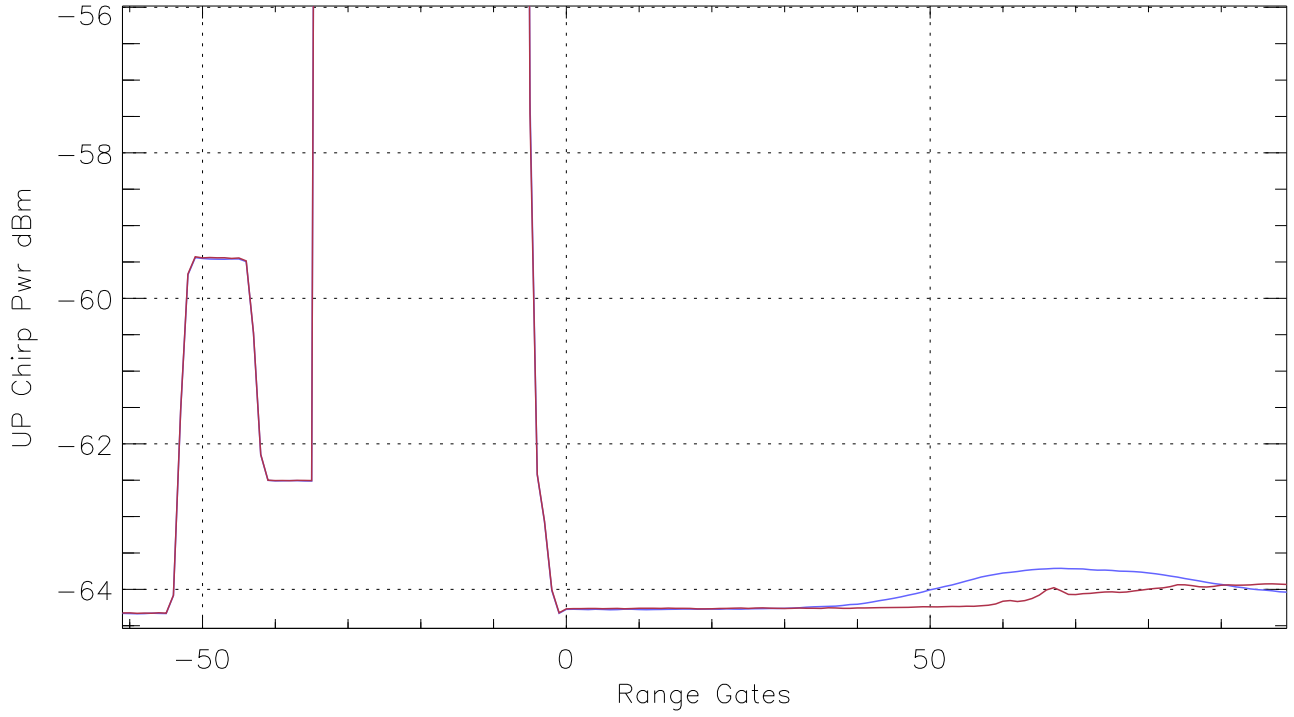


KPR SPP "Best" PPMAG noise (dBm):

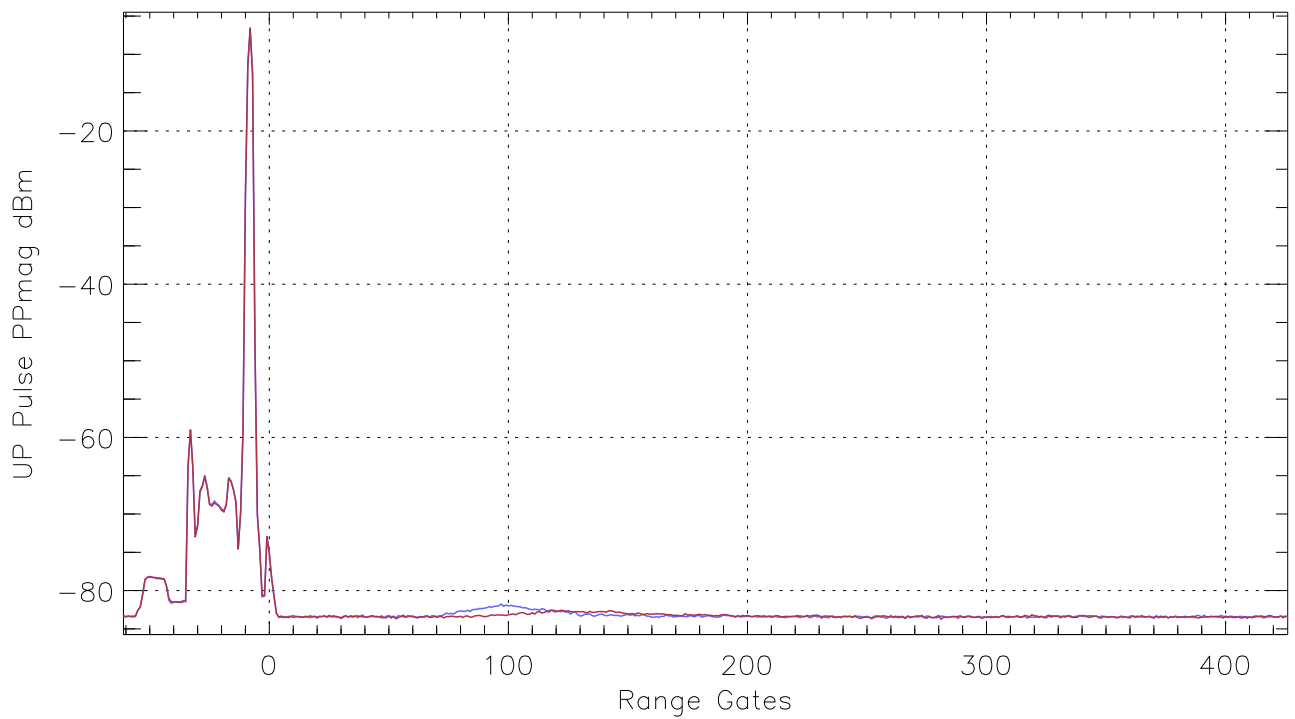
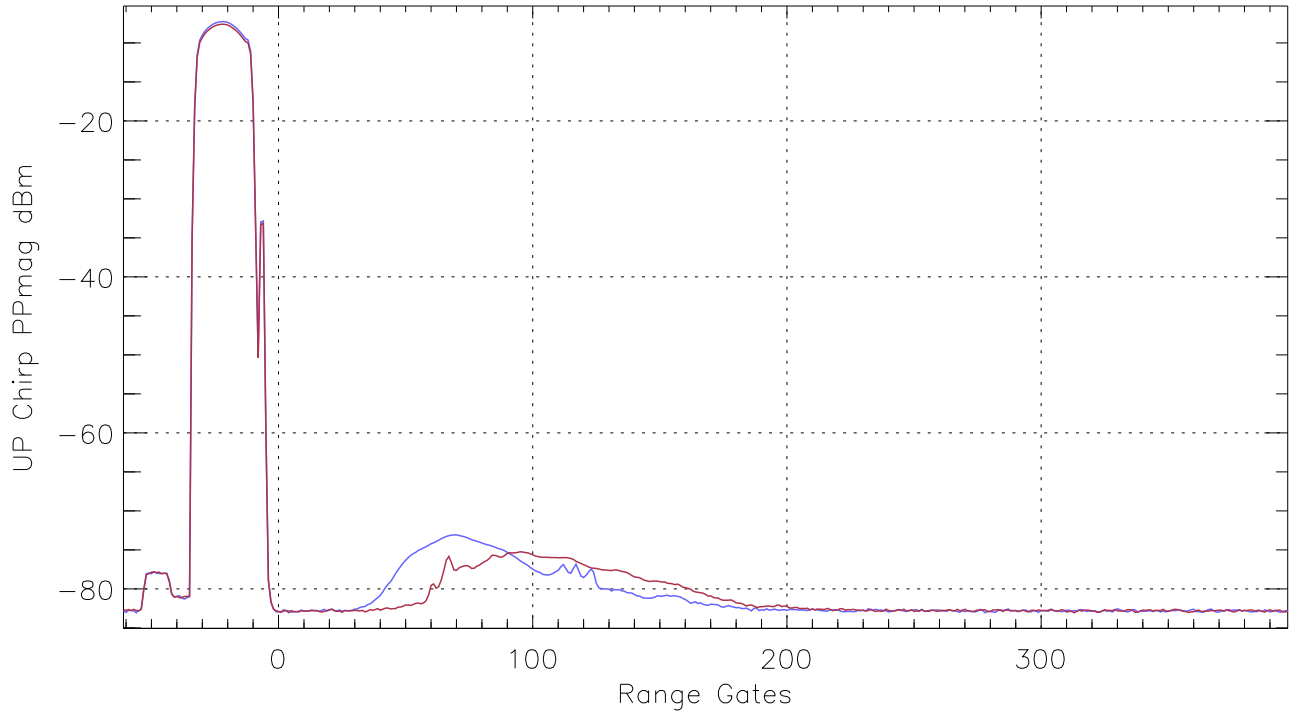
	Min	Max	Mean	Median	StDev
UP_C_RG310_0	-99.02	-78.45	-82.85	-83.15	-85.67
UP_P_RG26_0	-97.17	-78.12	-83.37	-83.73	-86.22



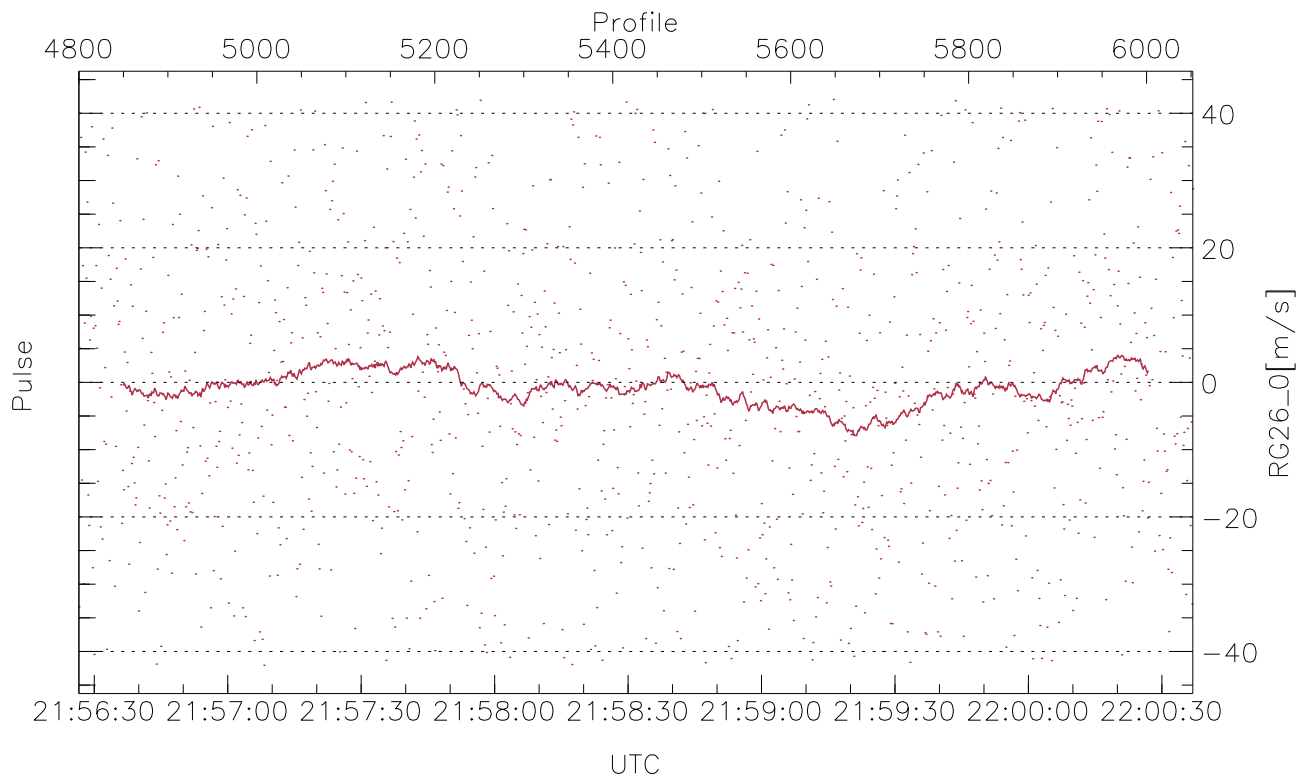
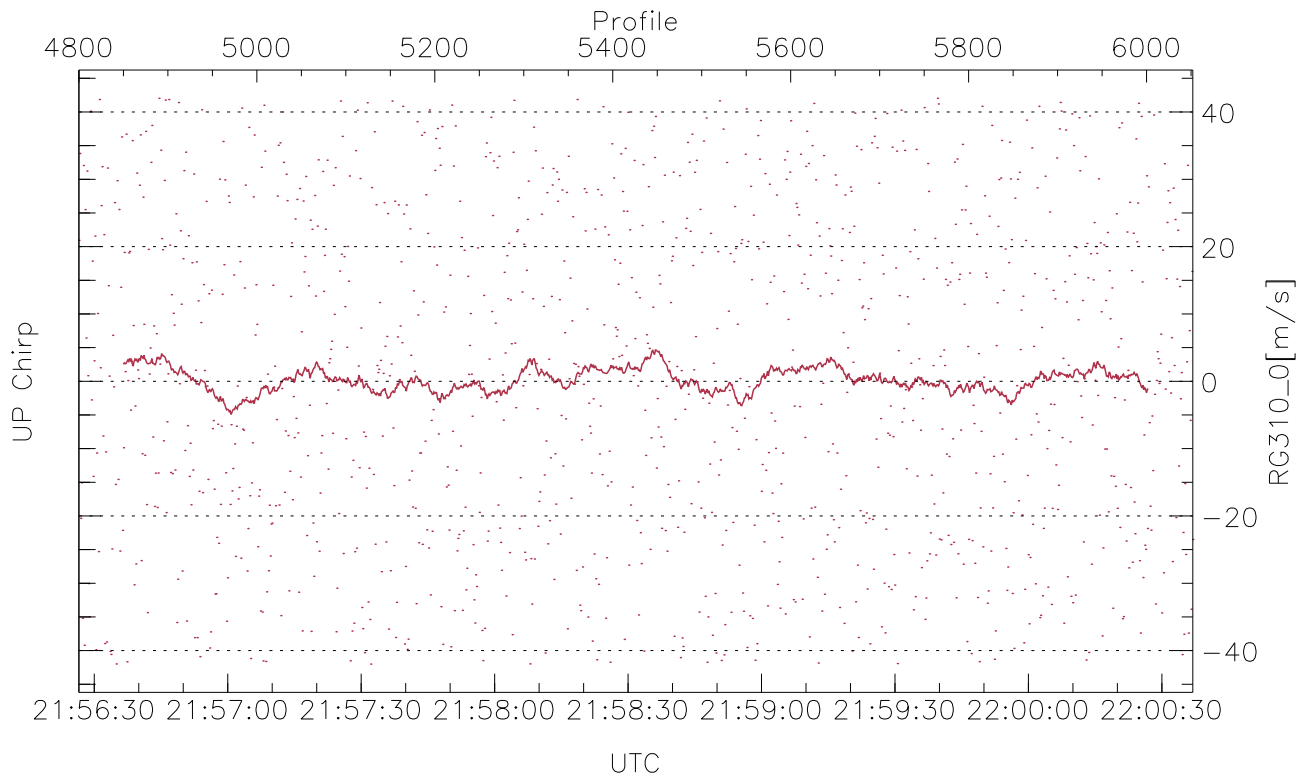
KPR SPP Averaged Received power for all recorded gates
blue: 215627-215831, 627 profiles averaged
red: 215831-220037, 627 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 215627-215831, 627 profiles averaged
red: 215831-220037, 627 profiles averaged

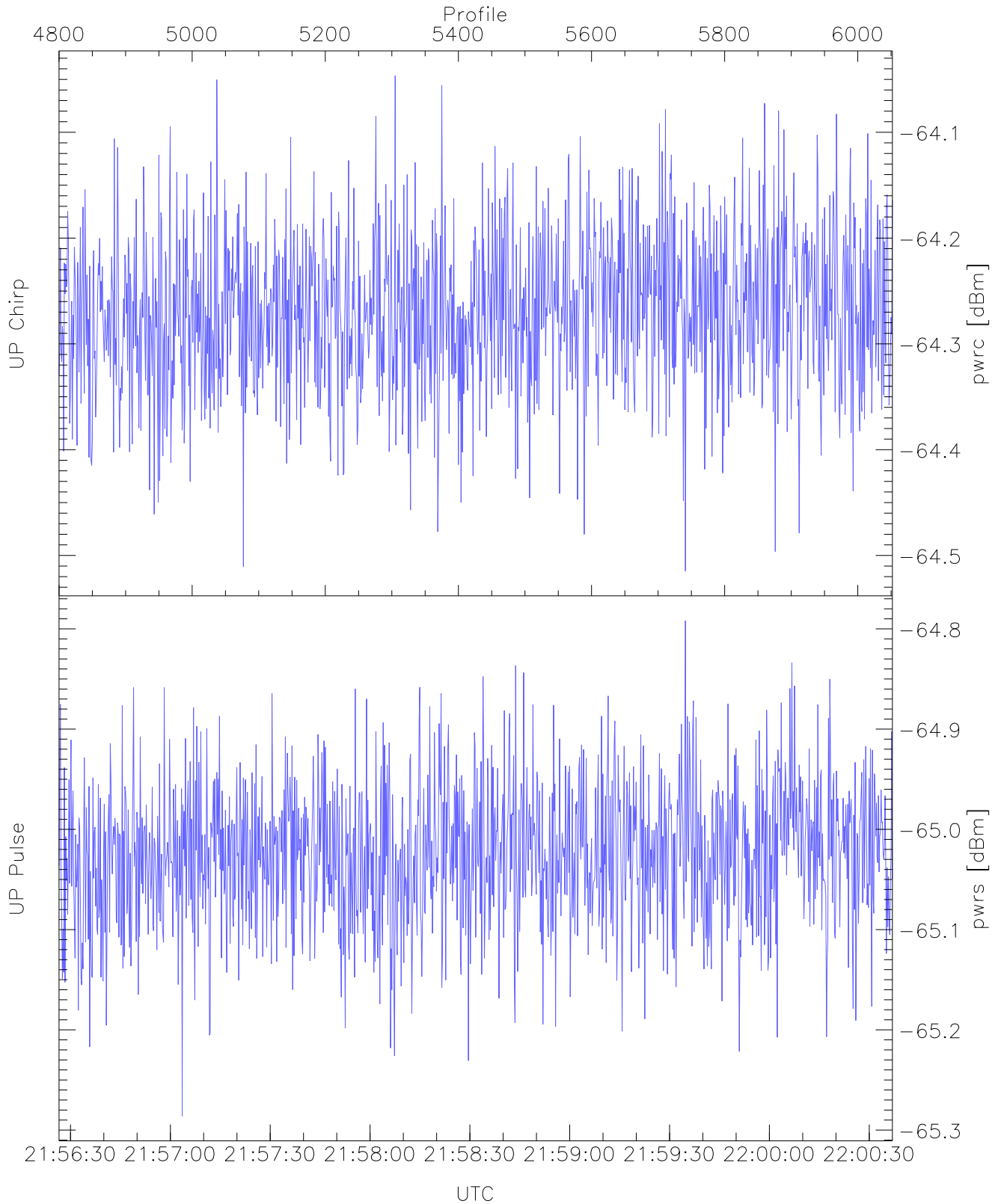


KPR SPP Averaged PP magnitude for all recorded gates
blue: 215627-215831, 627 profiles averaged
red: 215831-220037, 627 profiles averaged



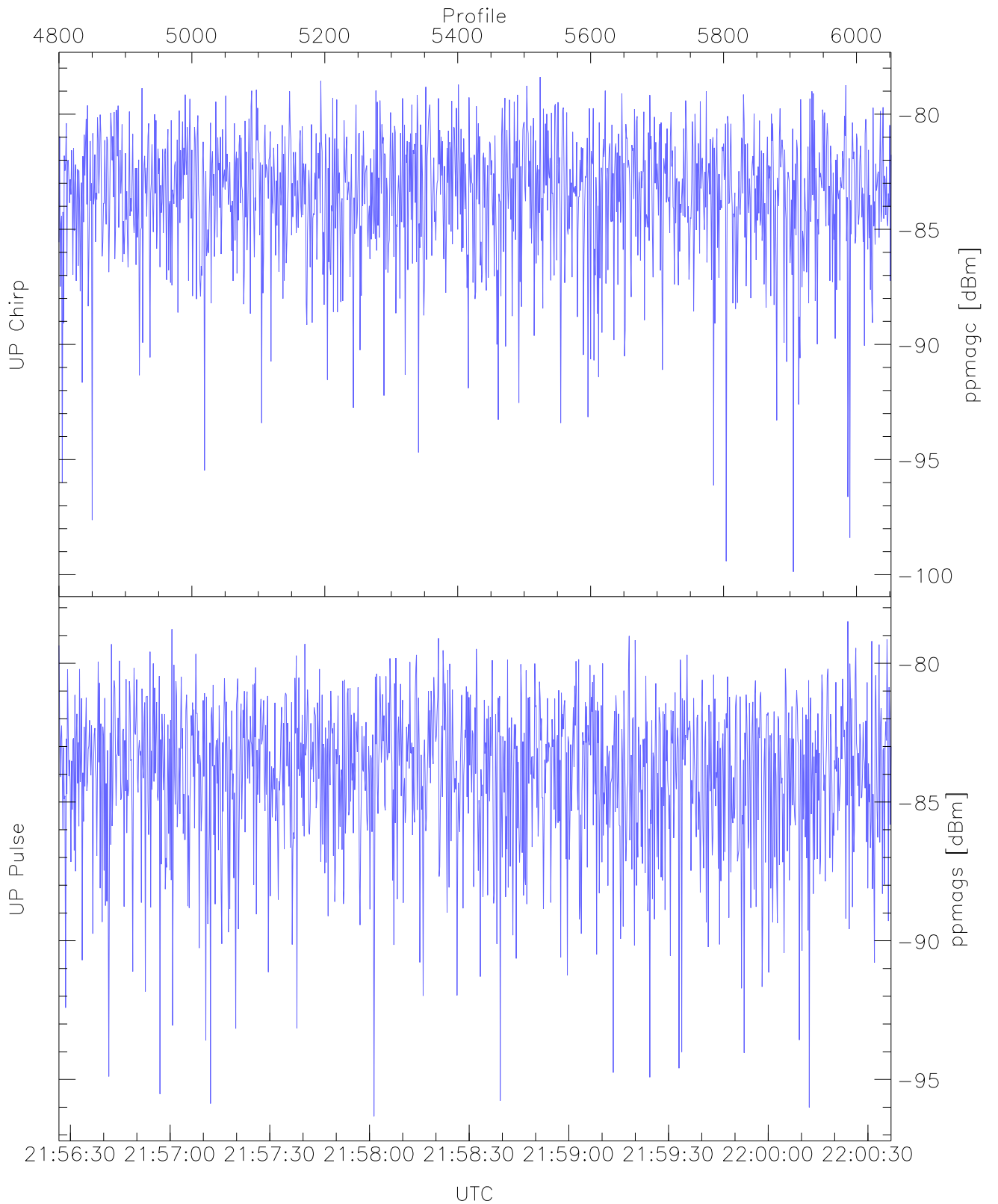
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG310_0	-42.00	42.03	0.12	-0.30	23.95
UP_P_RG26_0	-42.05	42.04	-0.74	-1.42	21.03



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

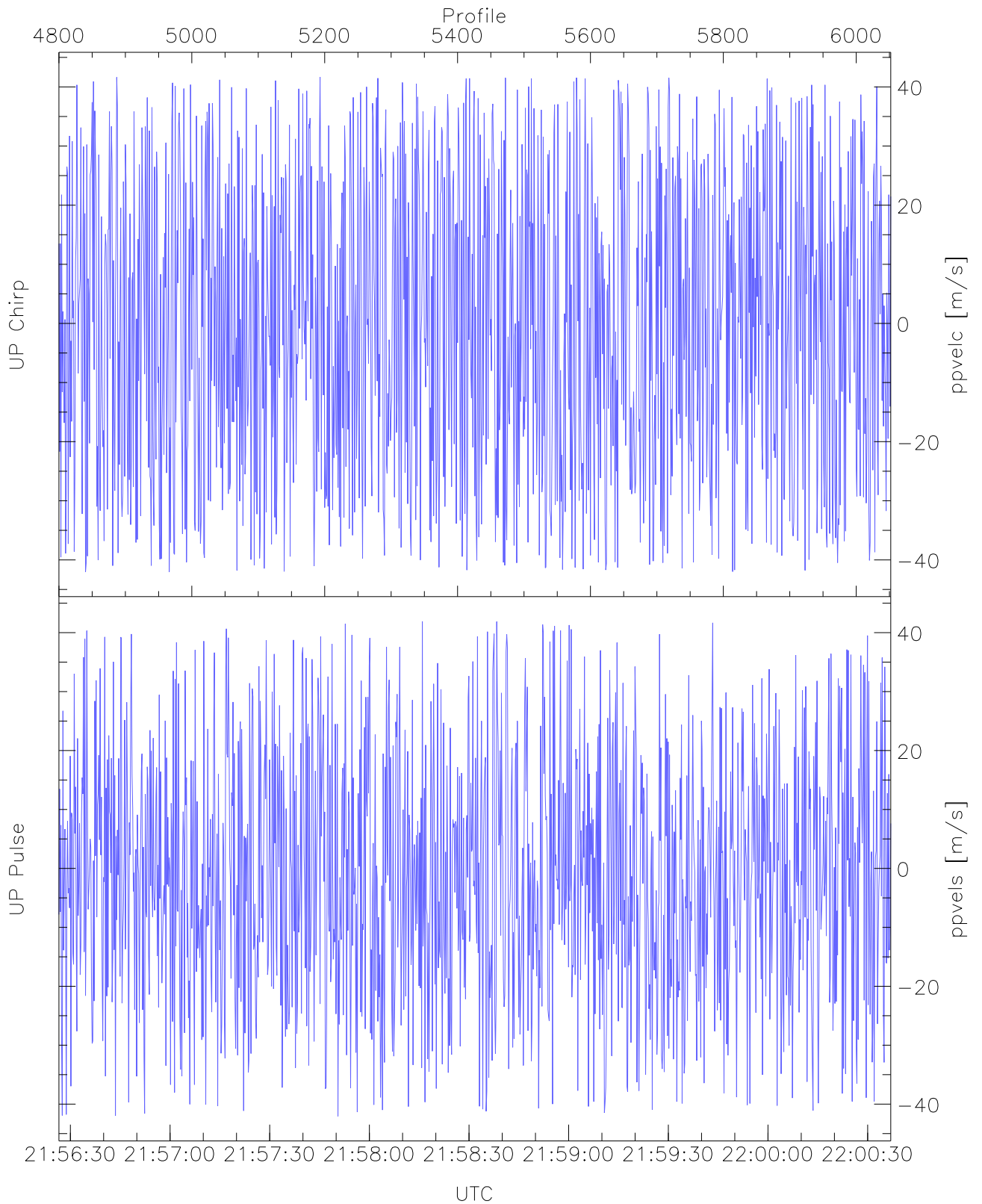
	Min	Max	Mean
UP Chirp(dBm)	-64.51	-64.05	-64.27
UP Pulse(dBm)	-65.29	-64.79	-65.02



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

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

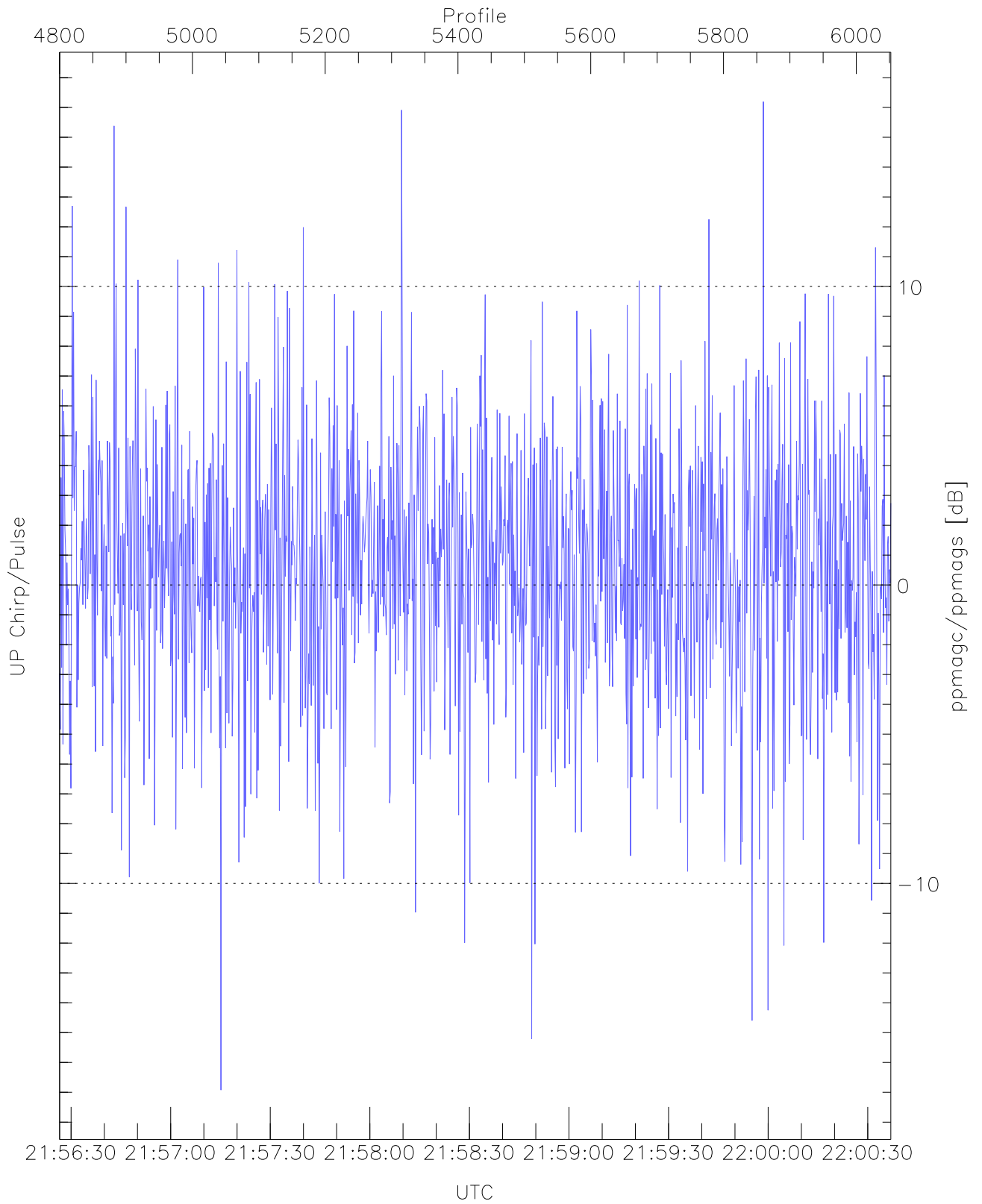
	Min	Max	Mean
UP Chirp(dBm)	-99.88	-78.39	-82.84
UP Pulse(dBm)	-96.32	-78.49	-83.37



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)	-42.03	41.67	-0.43
UP Pulse(m/s)	-42.04	41.92	-1.29



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-16.93	16.19	2.60