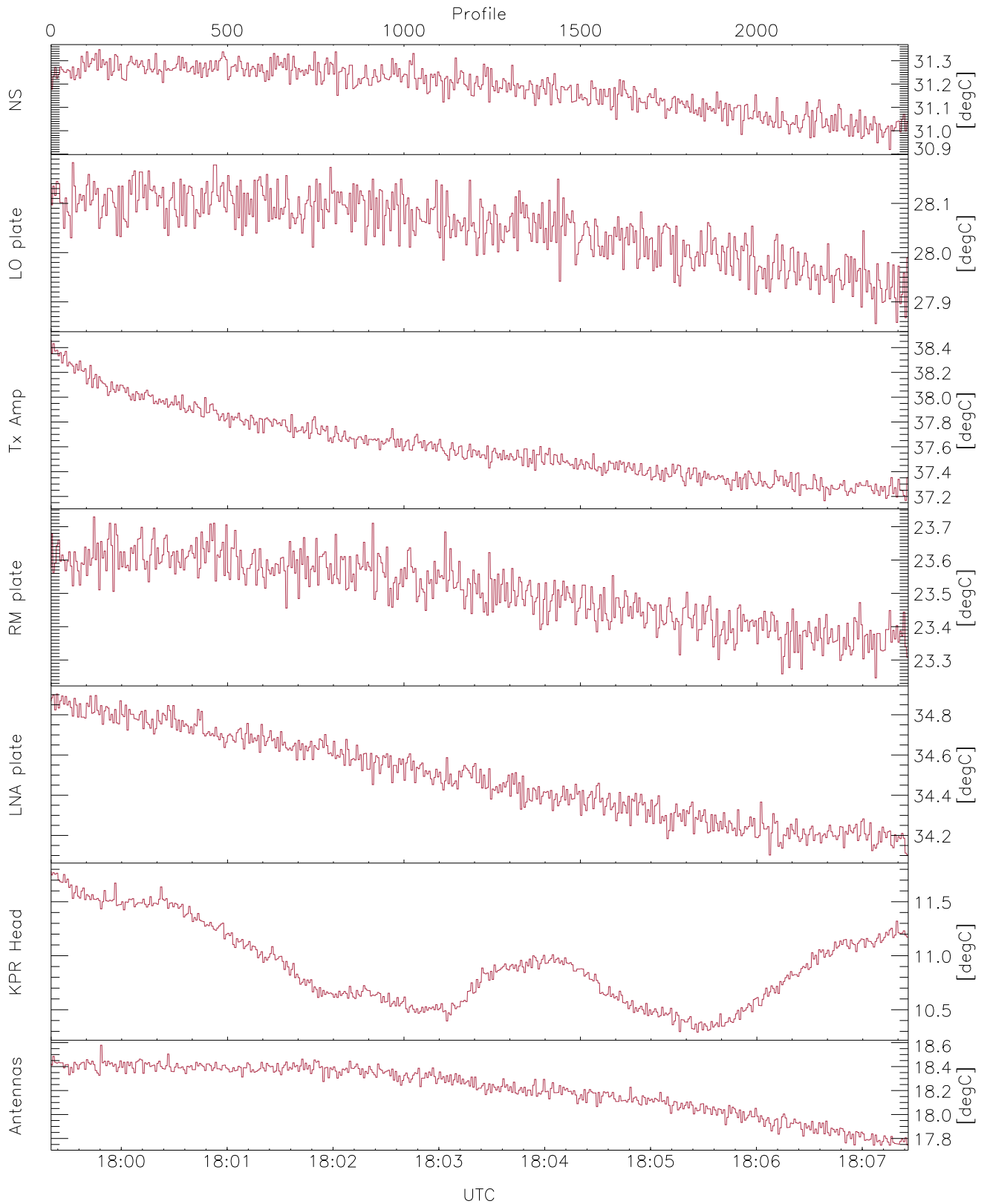


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 17:59:20-18:07:26, TimeCor: 0.00s, Dur: 485.86s
 TimeInt(min,max,mn,std): 199.9,200.1,200.0,0.0 ms; PPS: 5.0
 NumRec(r/t): 2430/2430, 0-2429/17:59:20-18:07:26
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 50.0 KB/s
 Pulse: 494 ns, Chirp: 4.94 us, DRxIF: 2.5 MHz
 PRF: 19.0 KHz, avgPulses: 3810, avgPP: 3809
 NyquistVel: 40.1 m/s, RangeRes:60.0 m
 Pulse Range(min,max): 166, 6492 m, Gates: 212
 Chirp Range(min,max): 1016, 6472 m, Gates: 183
 RangeGateSampling: 30.0 m, Aspect: 1.7

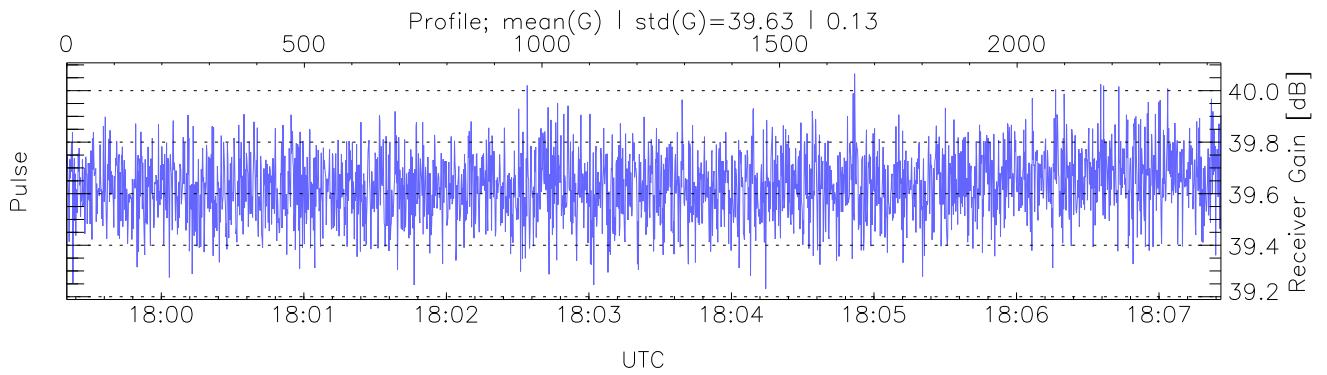
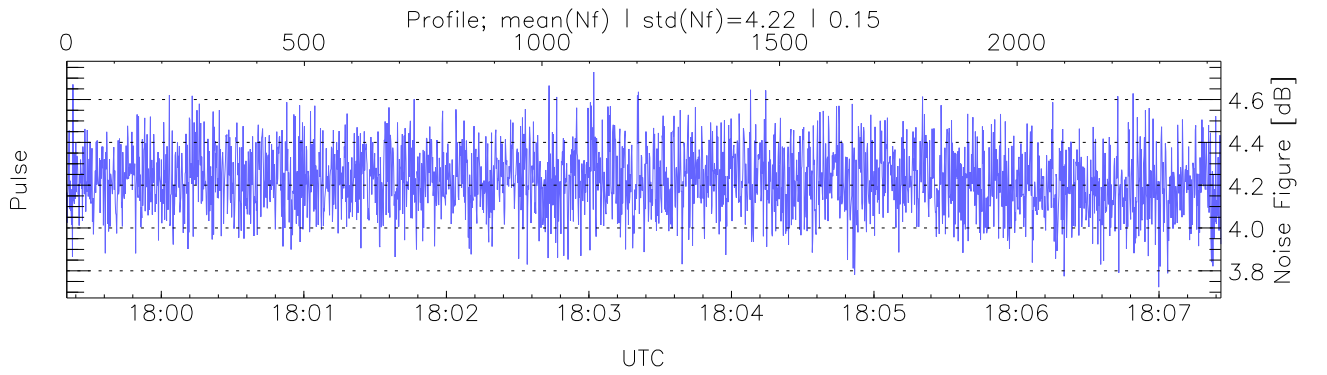
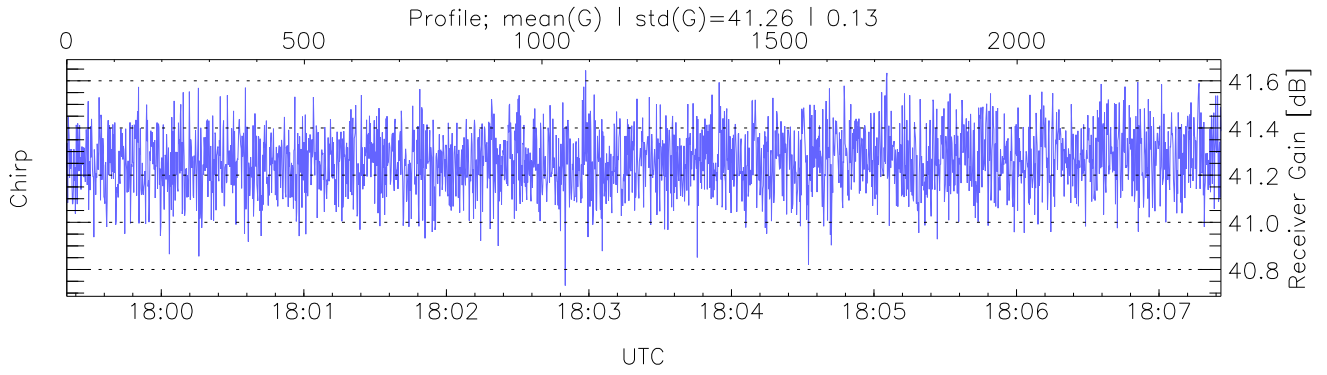
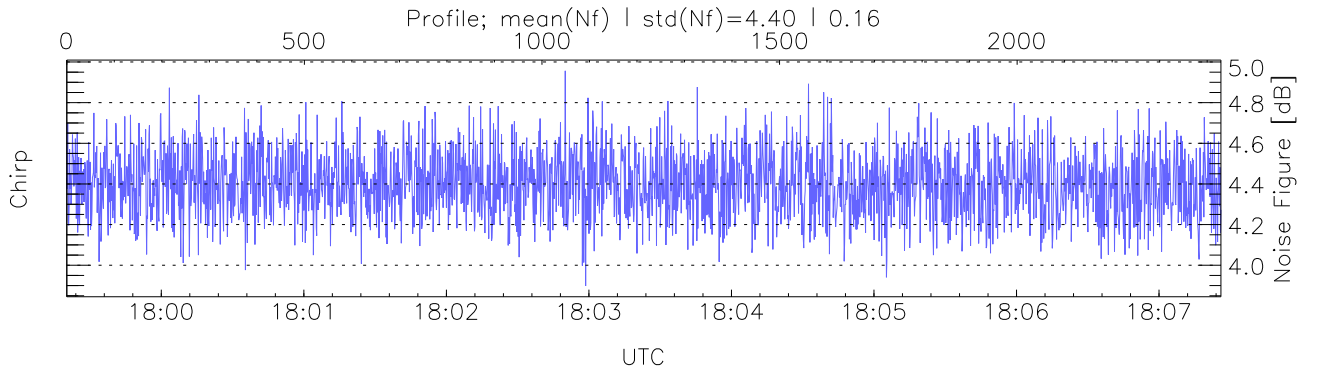


KPR SPP Temperatures, Power Supplies, PLO lock:

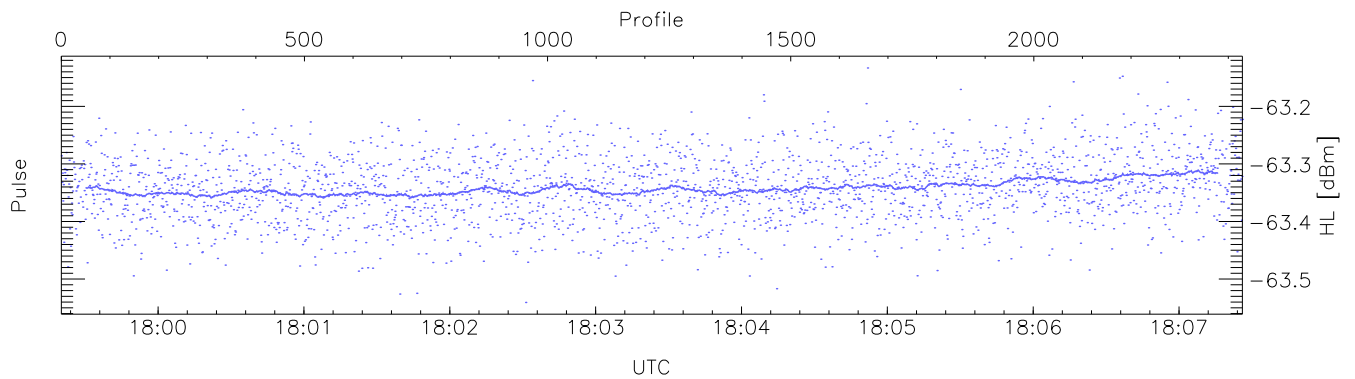
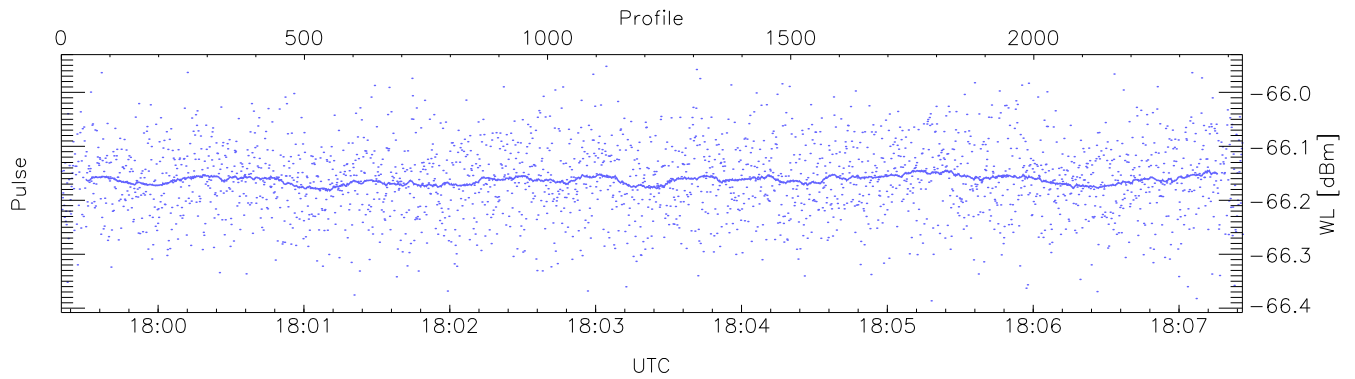
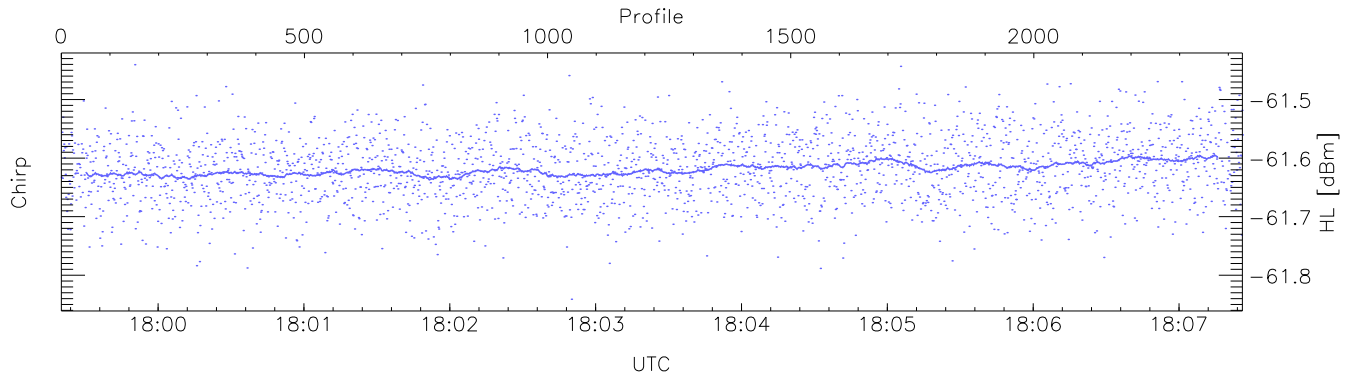
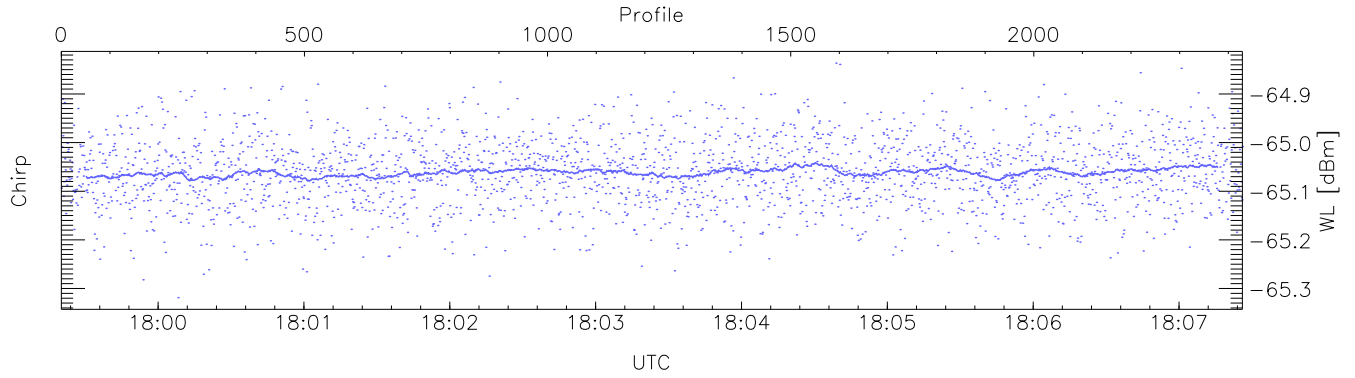
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	30.9,	27.9,	37.2,	23.2,	34.1,	10.3,	17.7
maxtempC:	31.3,	28.2,	38.5,	23.7,	34.9,	11.8,	18.6
meantempC:	31.2,	28.0,	37.6,	23.5,	34.5,	10.9,	18.2

PwrSply:	28,	12,	8,	5 VDC
minVDC:	26.16,	11.67,	7.87,	5.22
maxVDC:	27.73,	11.73,	7.89,	5.23
meanVDC:	27.06,	11.69,	7.88,	5.23

PLO(3.84,15.84 GHz) unlocked: None

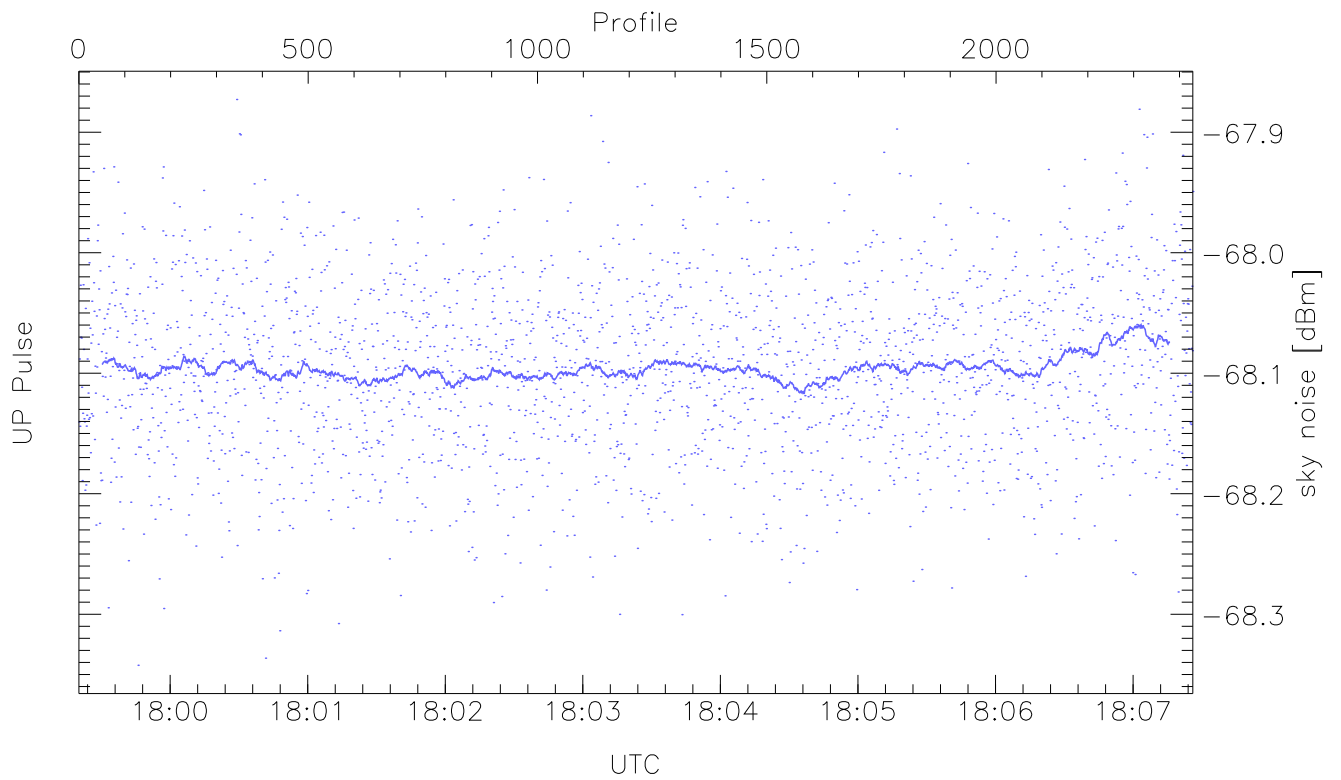
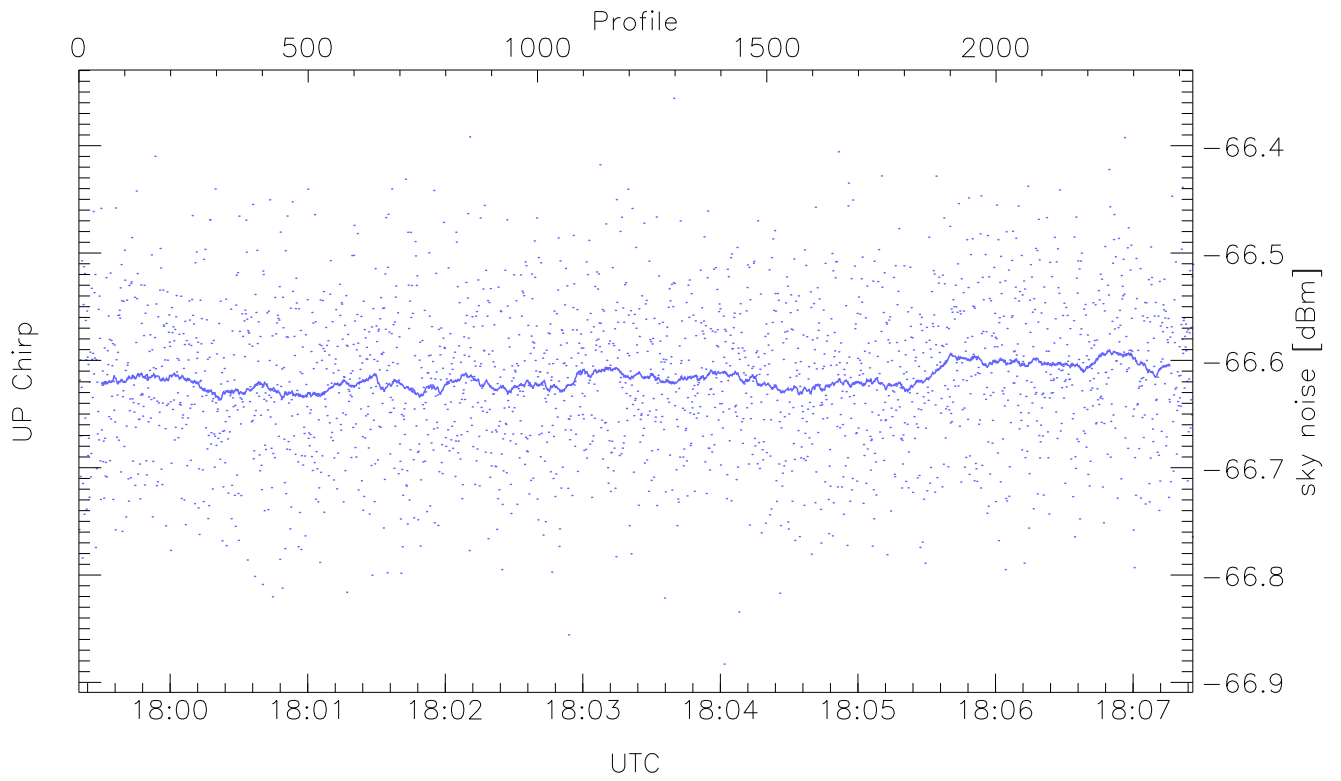


KPR SPP Receiver Gain and Noise Figure



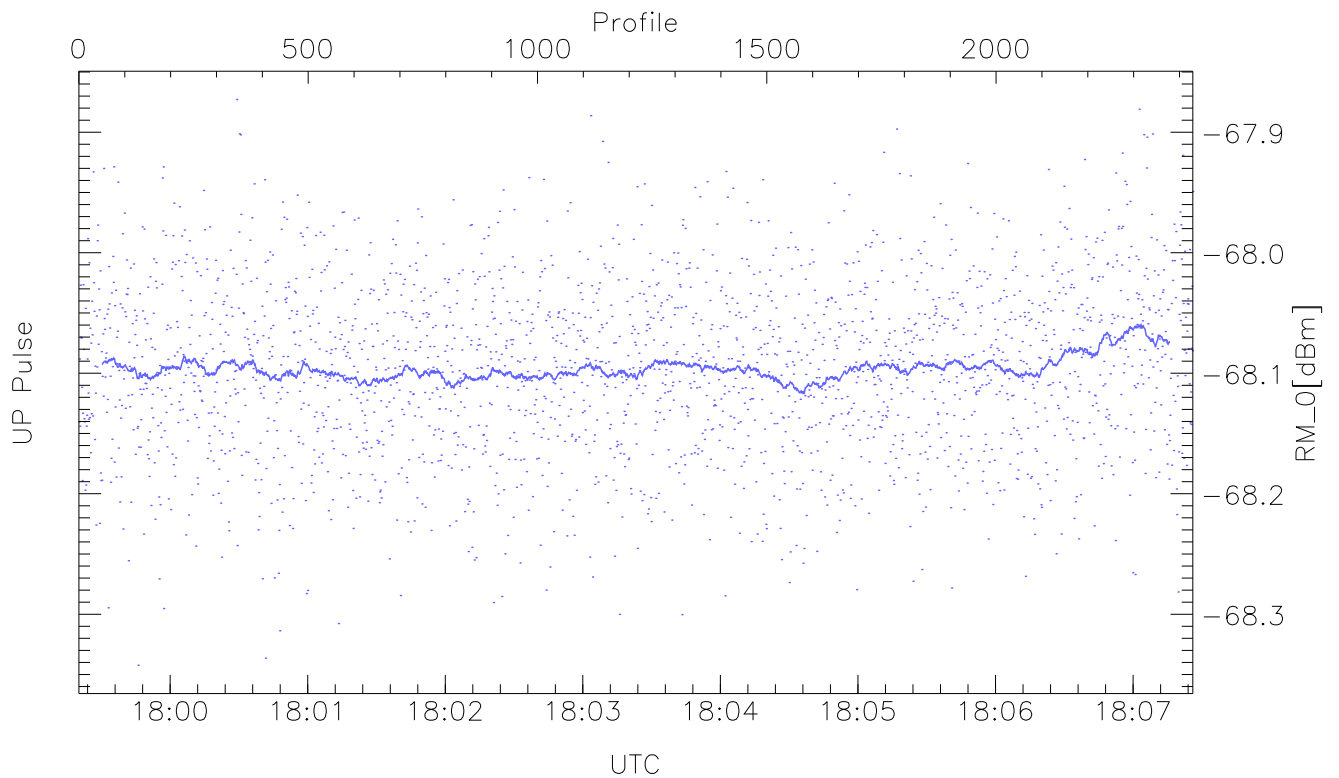
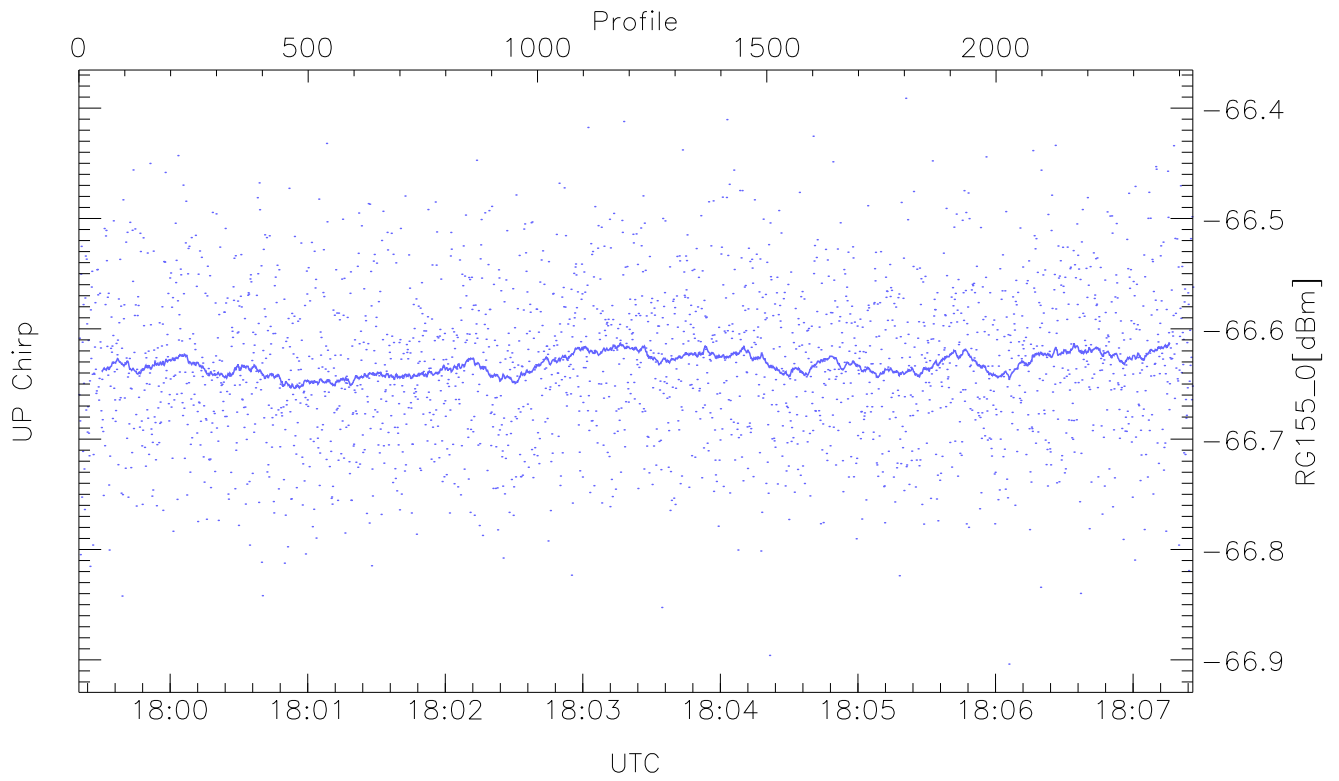
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-65.32	-64.84	-65.06	-65.06	-83.07
Chirp(HL [dBm])	-61.84	-61.44	-61.62	-61.62	-80.57
Pulse(WL [dBm])	-66.39	-65.95	-66.16	-66.16	-84.08
Pulse(HL [dBm])	-63.54	-63.13	-63.34	-63.34	-82.23



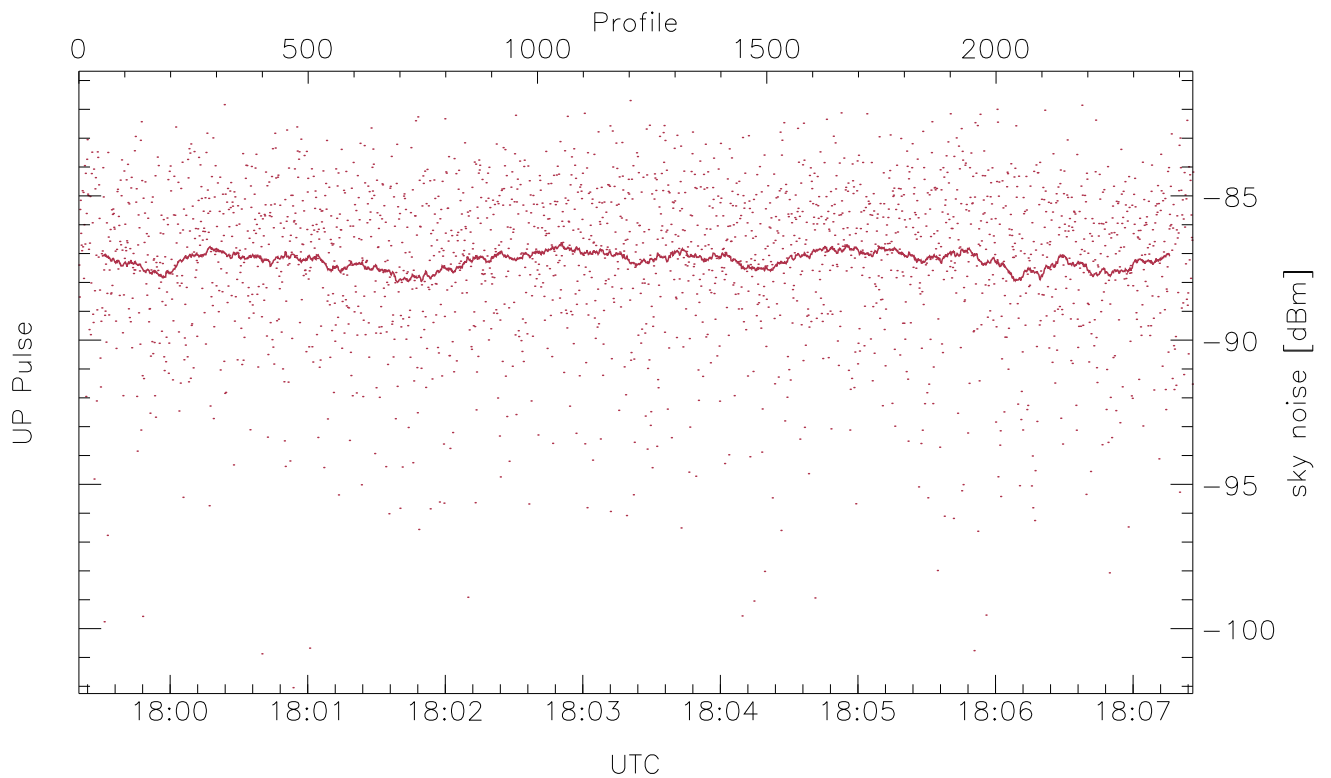
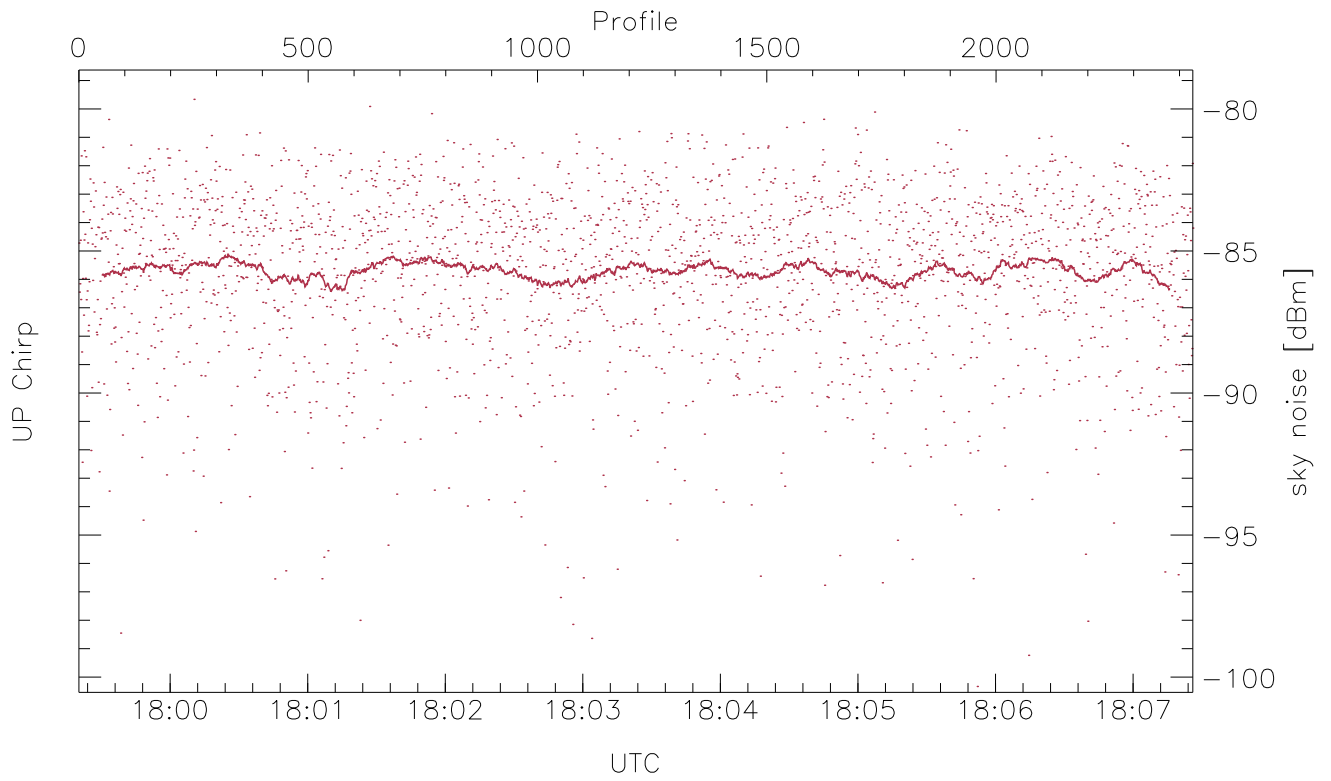
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-66.88	-66.36	-66.62	-66.62	-84.45
UP Pulse(dBm)	-68.34	-67.87	-68.10	-68.09	-86.00



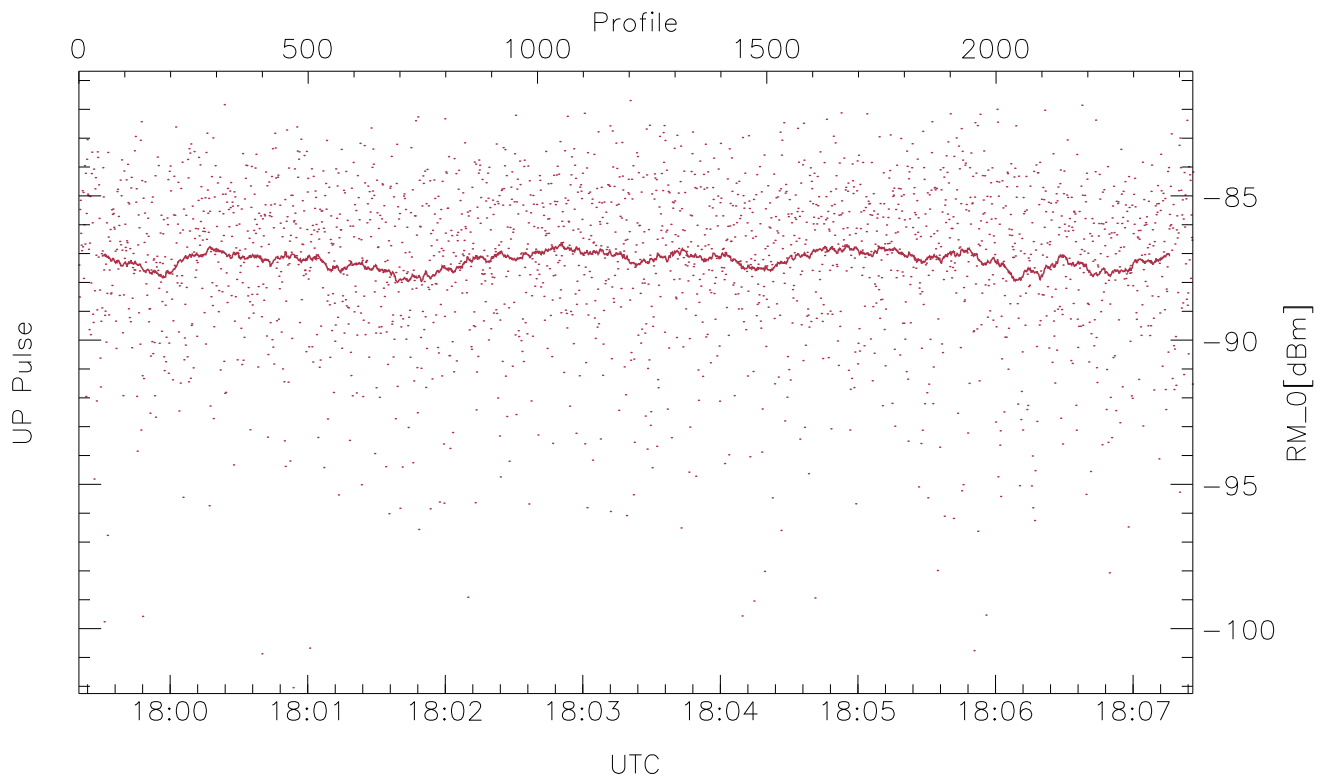
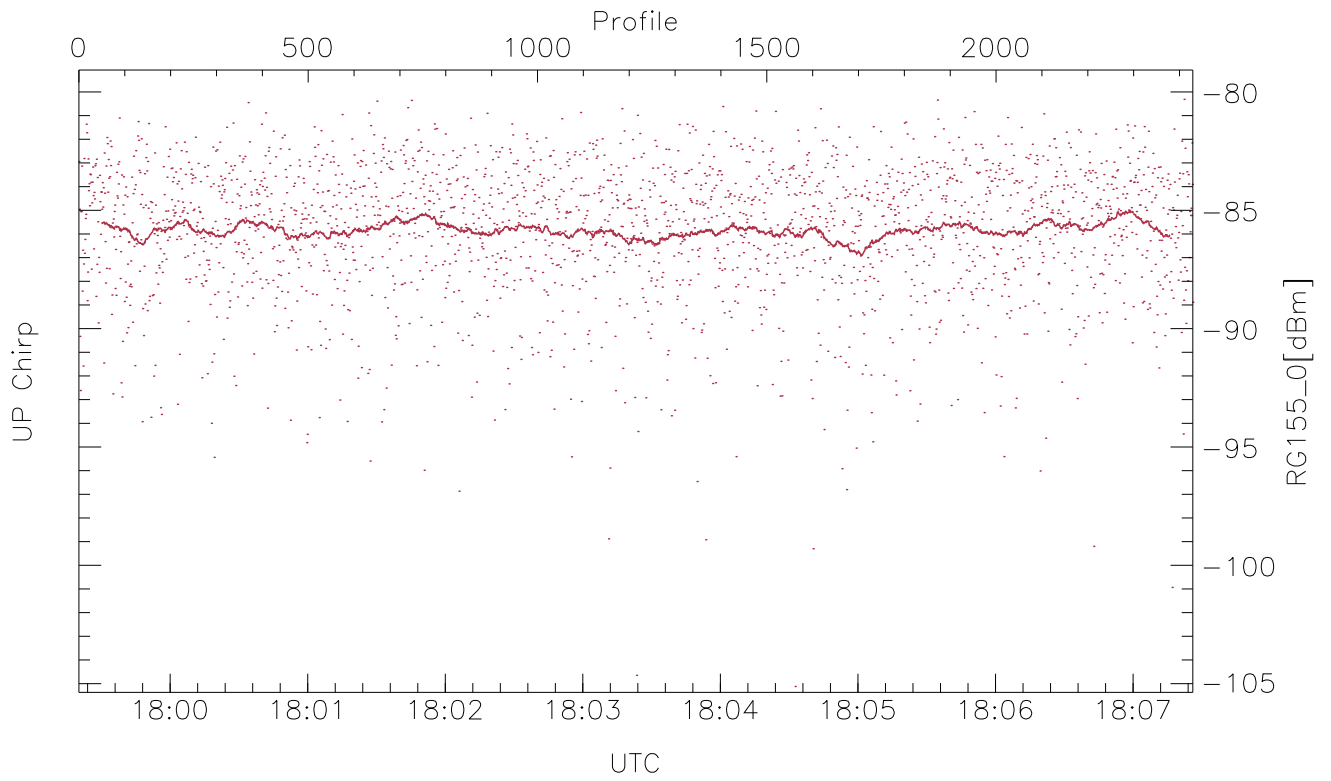
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RG155_0	-66.90	-66.39	-66.63	-66.63	-84.42
UP_P_RM_0	-68.34	-67.87	-68.10	-68.09	-86.00



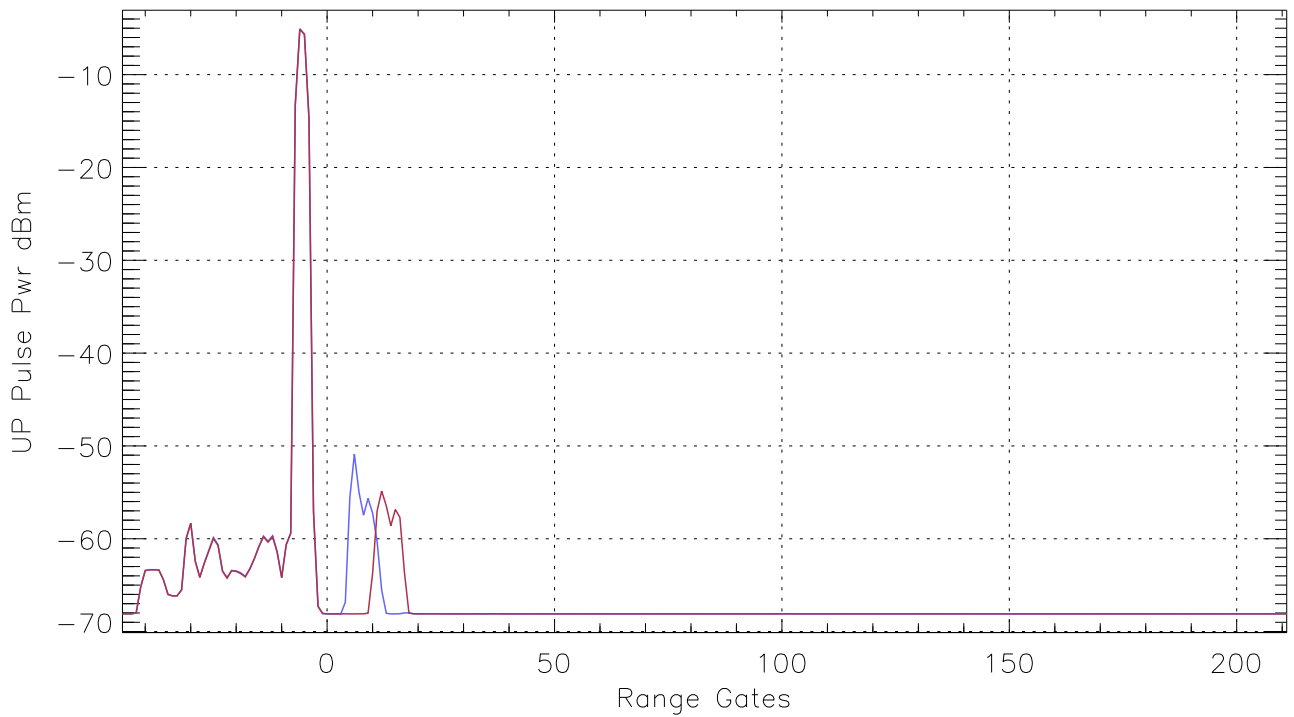
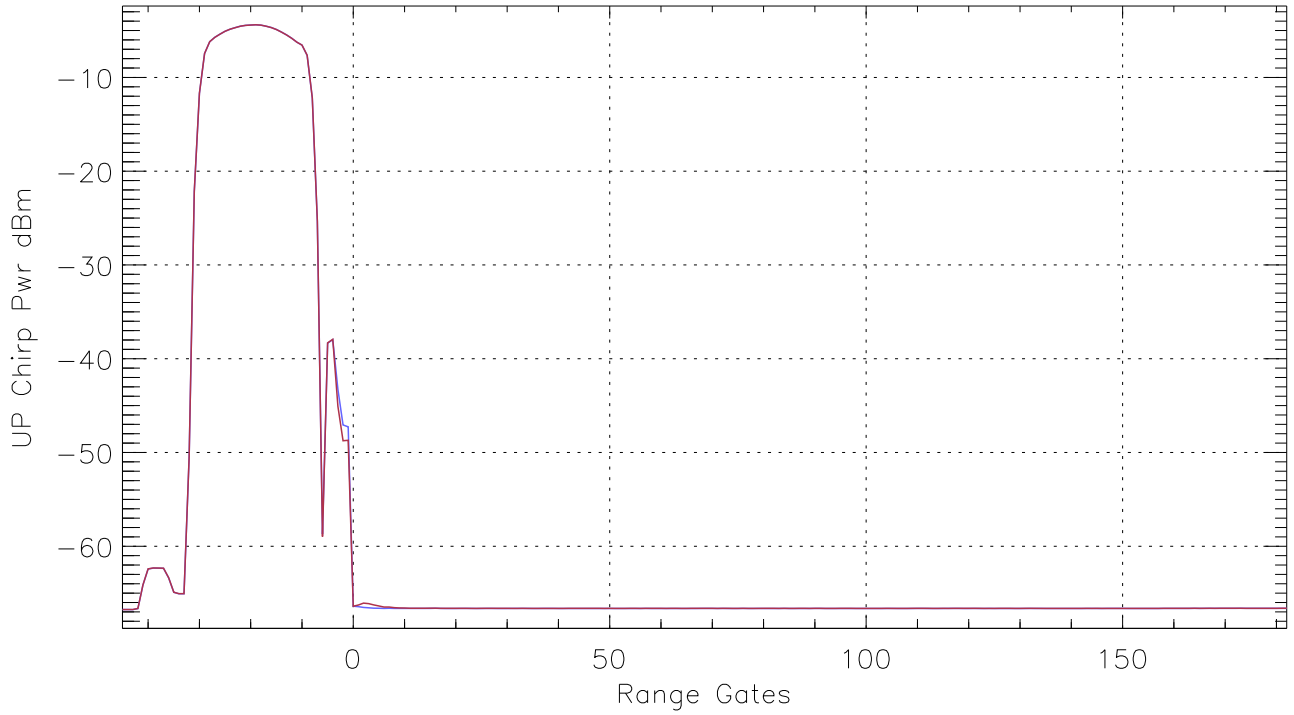
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-100.33	-79.66	-84.94	-85.23	-87.63
UP Pulse(dBm)	-102.05	-81.70	-86.48	-86.71	-89.29

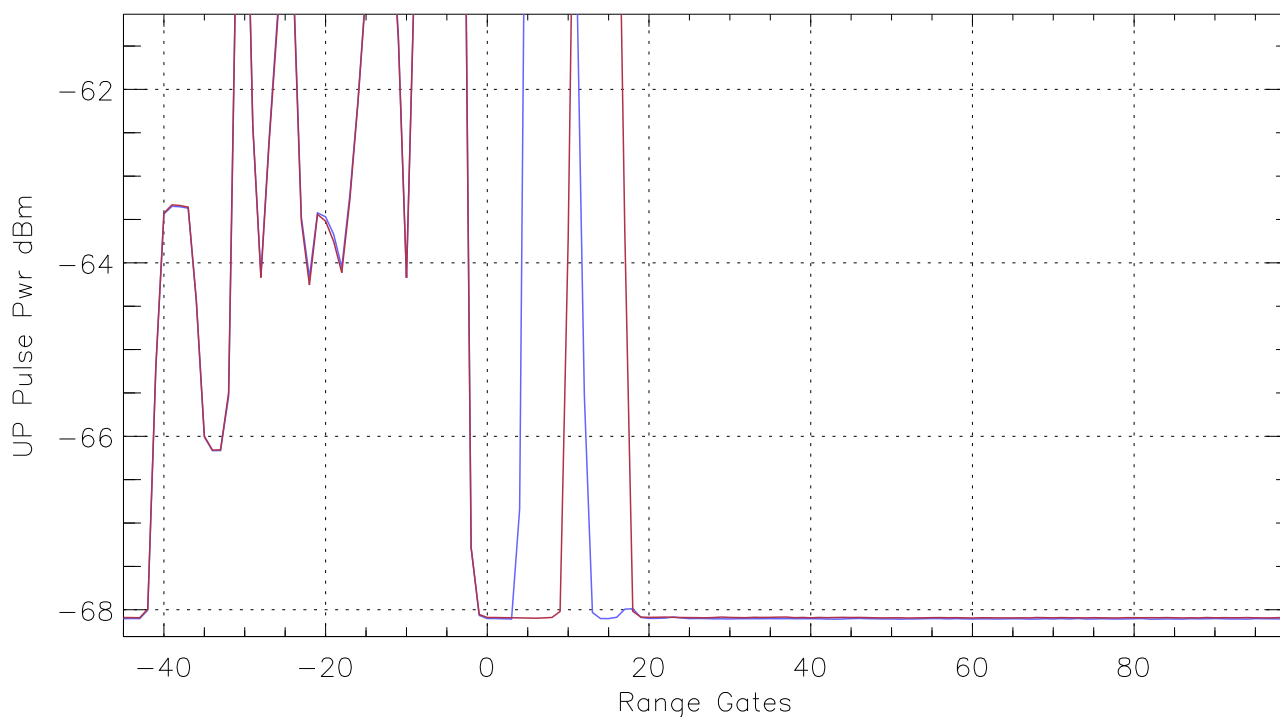
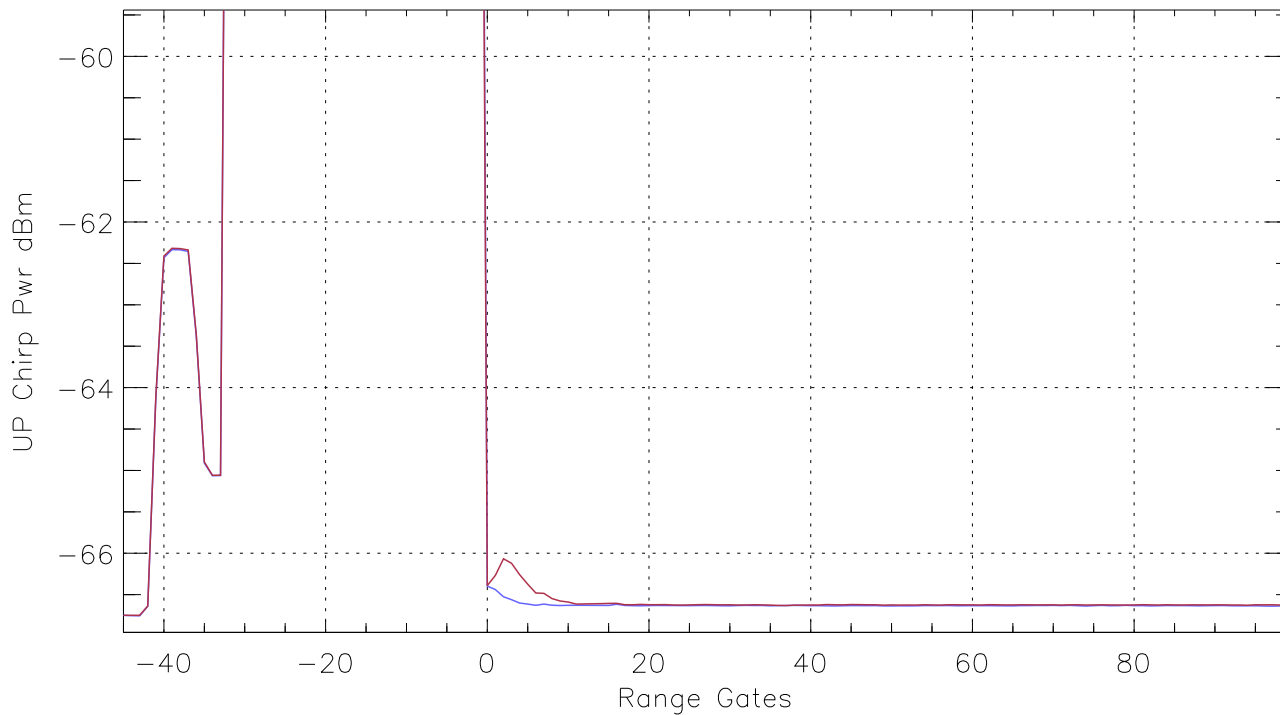


KPR SPP "Best" PPMAG noise (dBm):

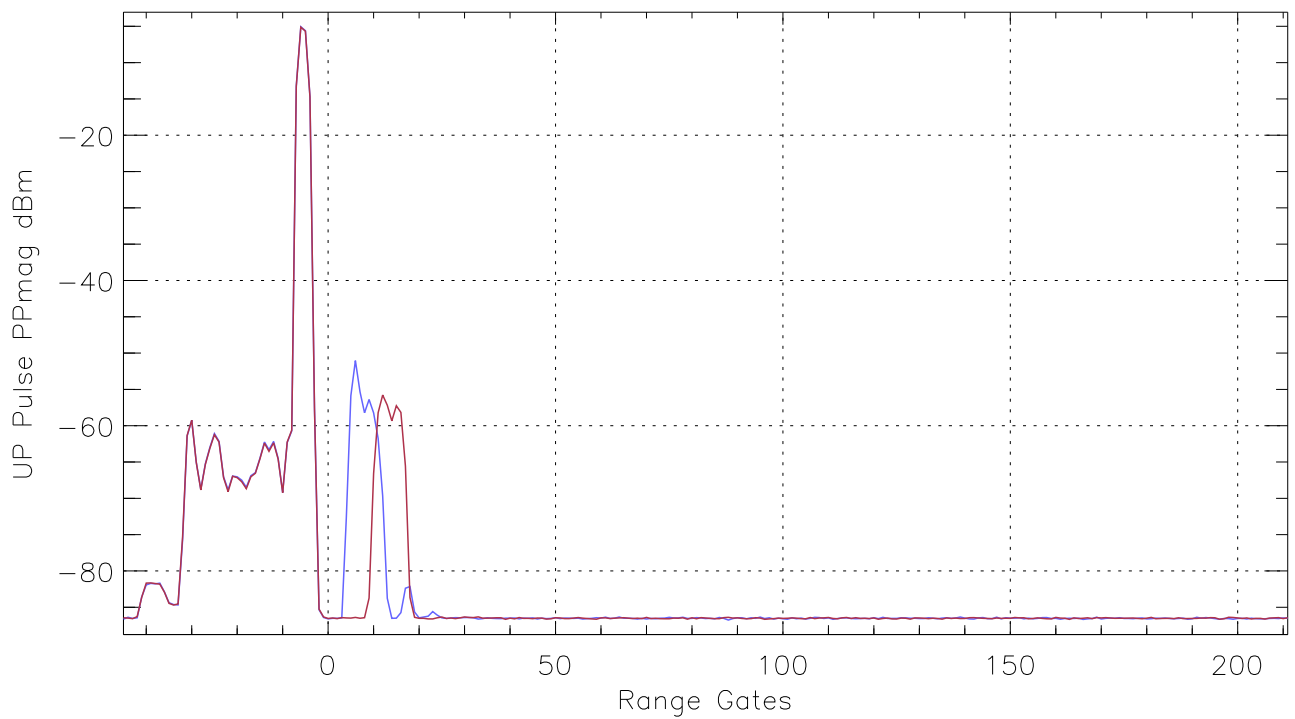
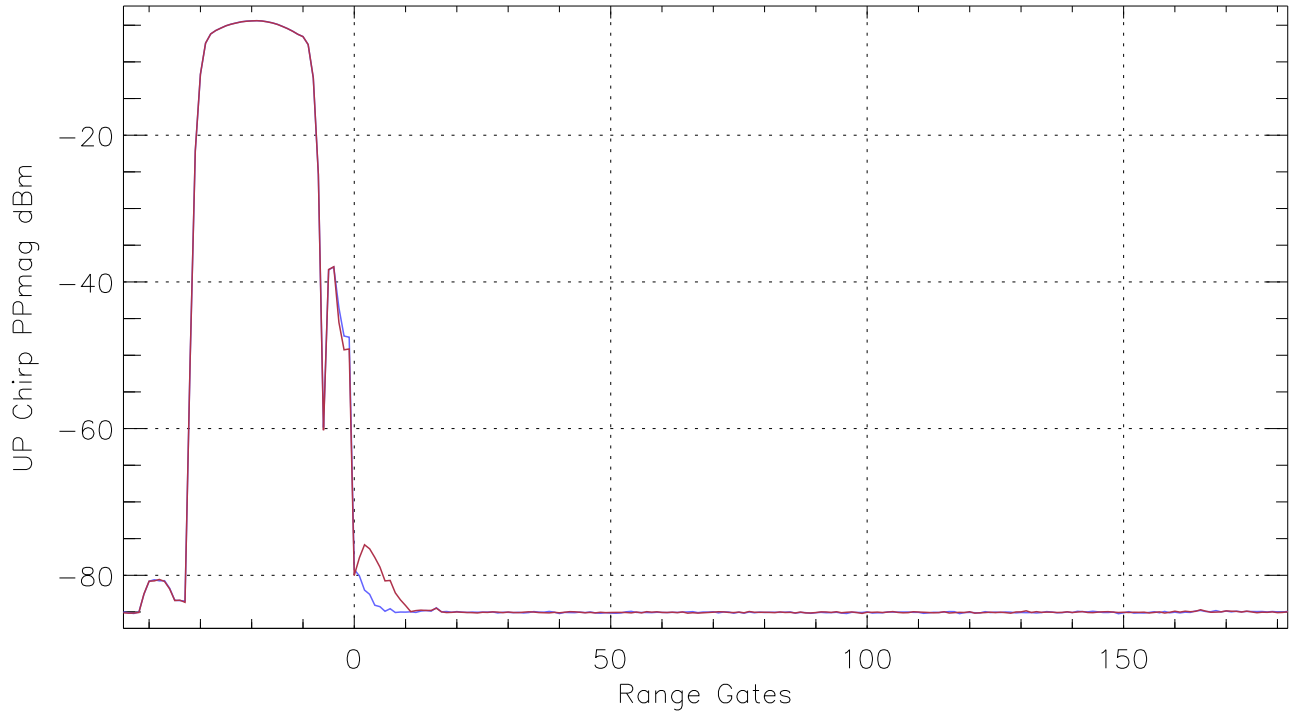
	Min	Max	Mean	Median	StDev
UP_C_RG155_0	-105.12	-80.31	-85.10	-85.36	-87.87
UP_P_RM_0	-102.05	-81.70	-86.48	-86.71	-89.29



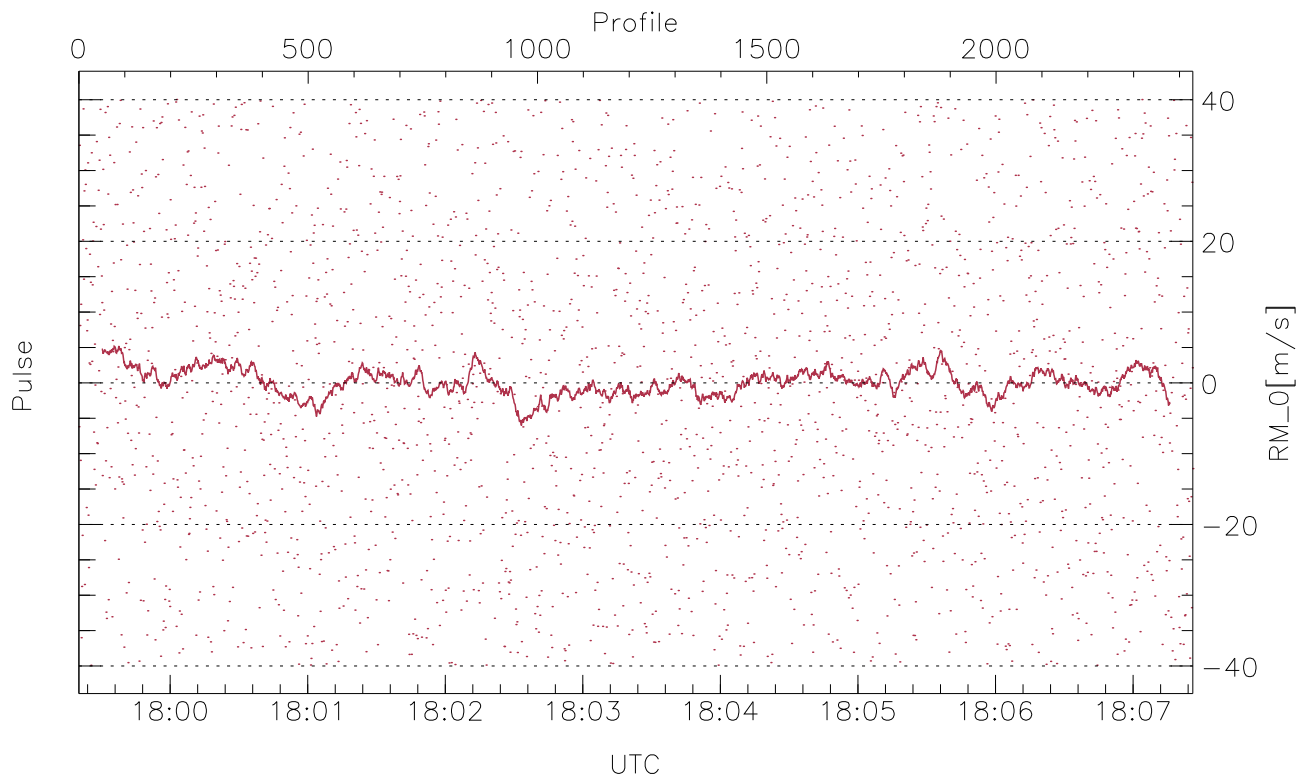
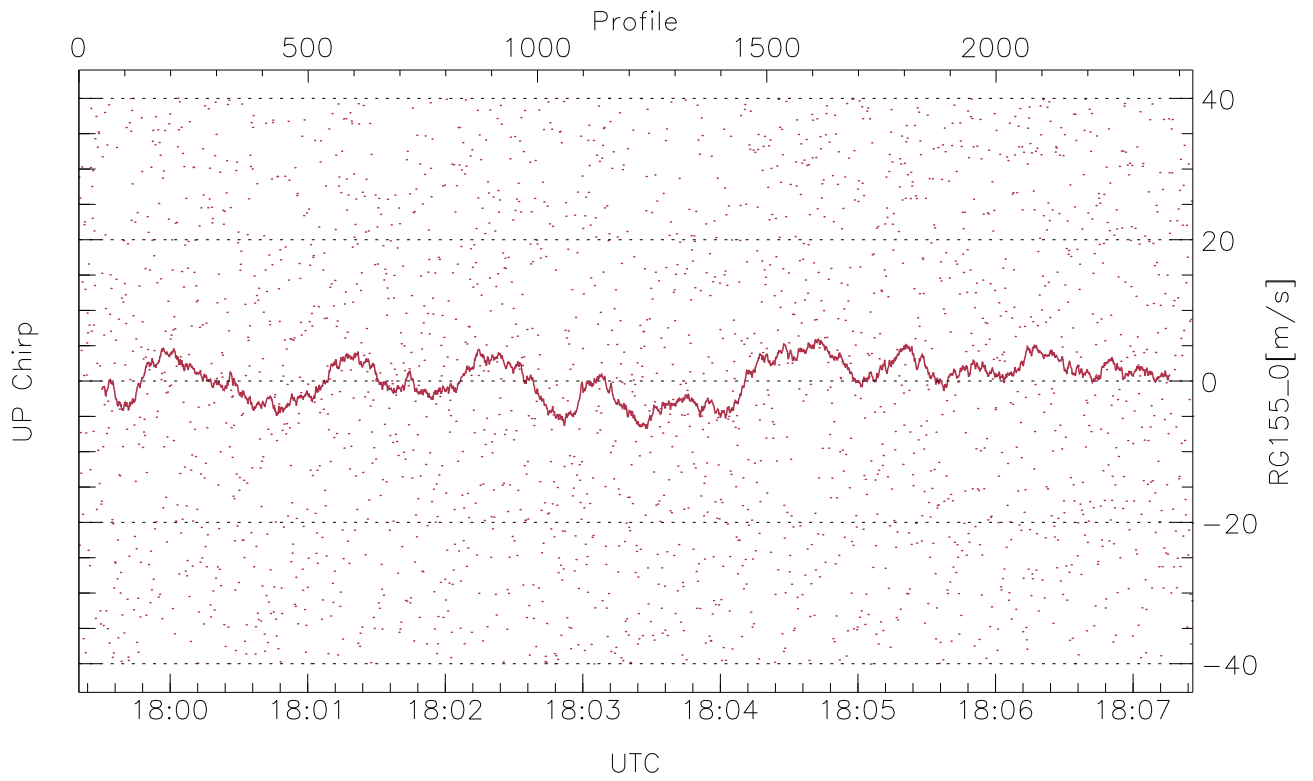
KPR SPP Averaged Received power for all recorded gates
blue: 175920-180323, 1216 profiles averaged
red: 180323-180726, 1215 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 175920-180323, 1216 profiles averaged
red: 180323-180726, 1215 profiles averaged

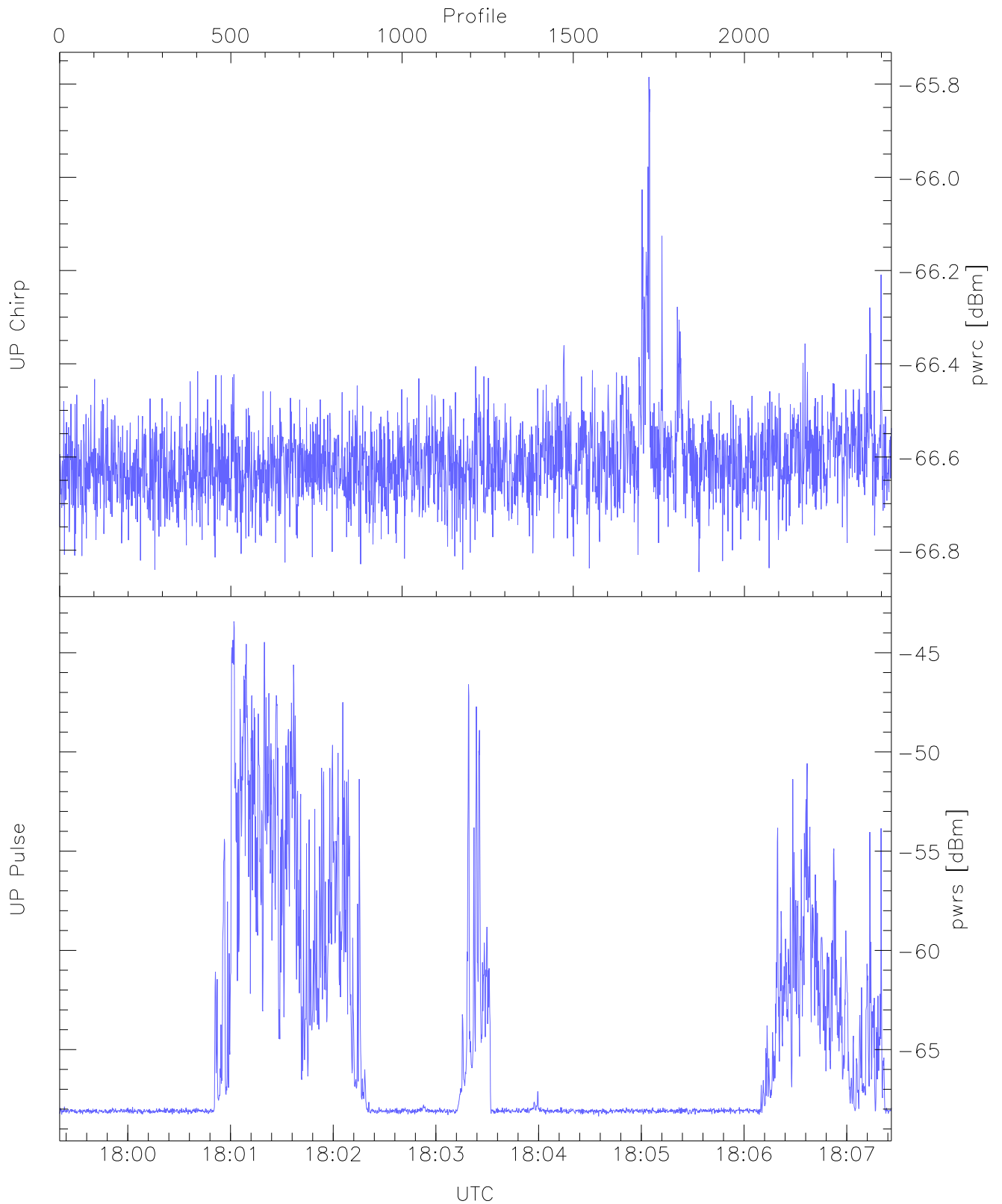


KPR SPP Averaged PP magnitude for all recorded gates
blue: 175920-180323, 1216 profiles averaged
red: 180323-180726, 1215 profiles averaged



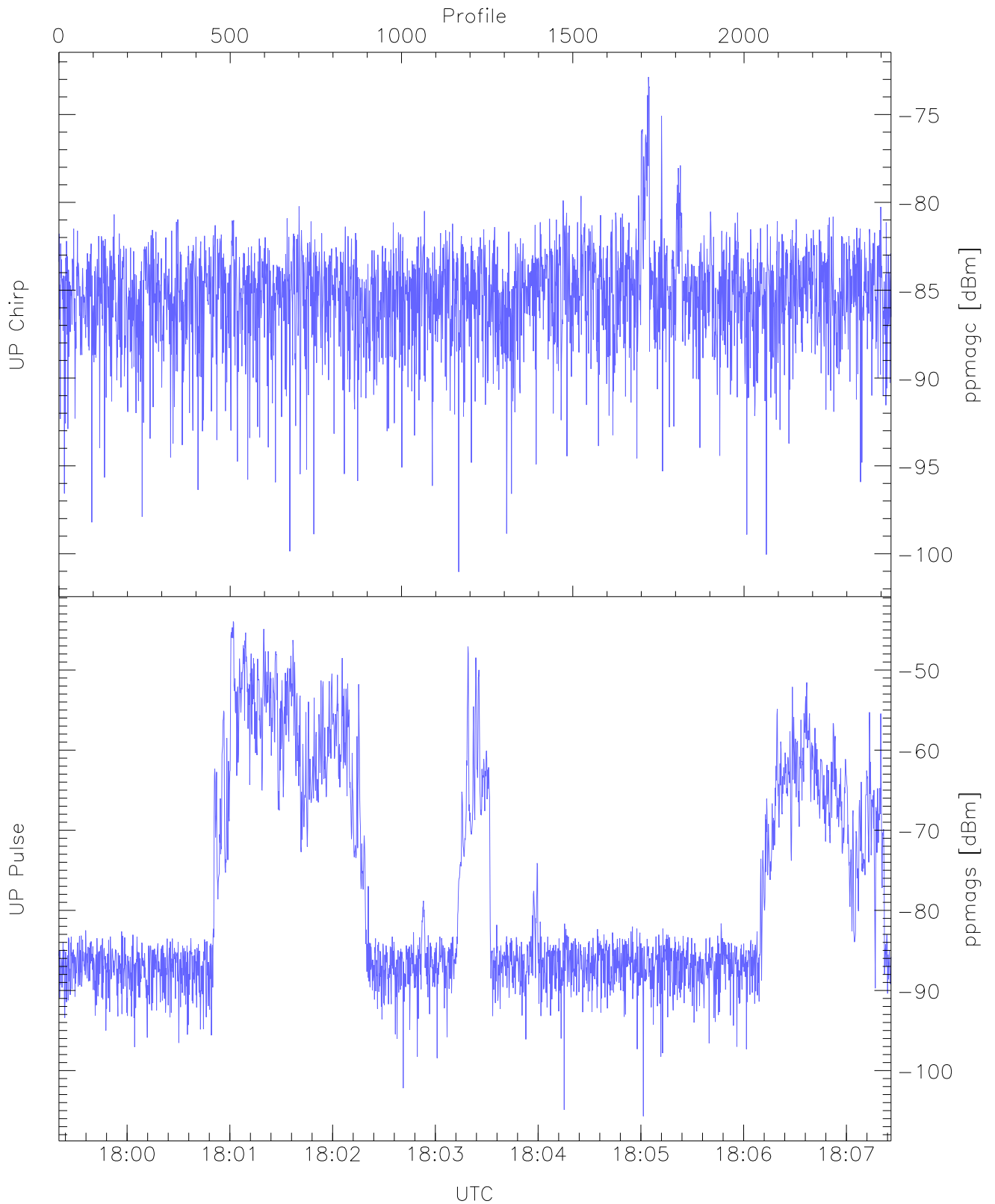
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RG155_0	-40.05	40.01	0.30	0.54	23.01
UP_P_RM_0	-39.90	40.03	0.09	-0.12	22.07



KPR SPP Received Power for Chirp Range gate 10 (1315.8 m)
 KPR SPP Received Power for Pulse Range gate 10 (466.6 m)

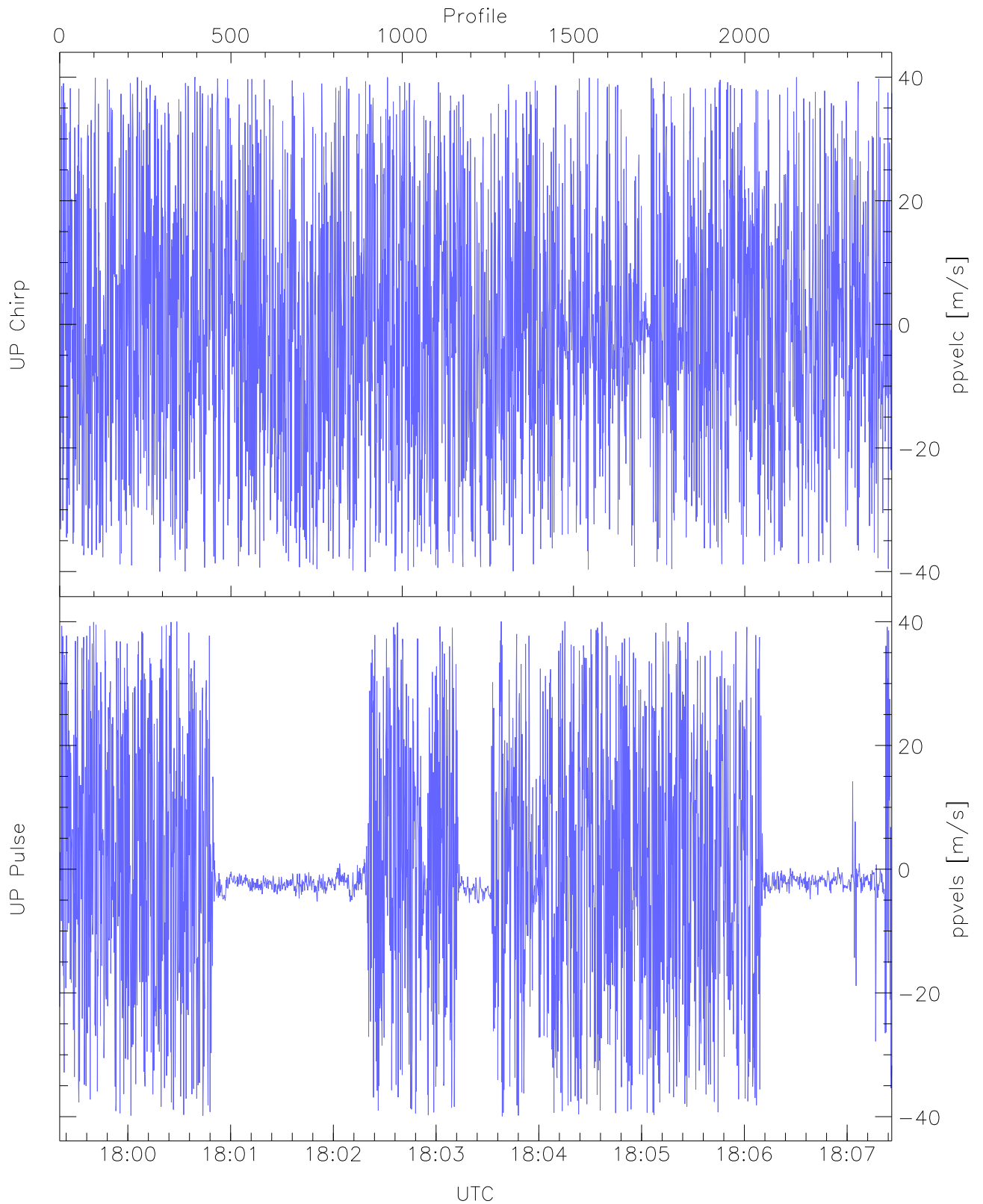
	Min	Max	Mean
UP Chirp(dBm)	-66.85	-65.78	-66.61
UP Pulse(dBm)	-68.36	-43.42	-59.38



KPR SPP PPMAG for Chirp Range gate 10 (1315.8 m)

KPR SPP PPMAG for Pulse Range gate 10 (466.6 m)

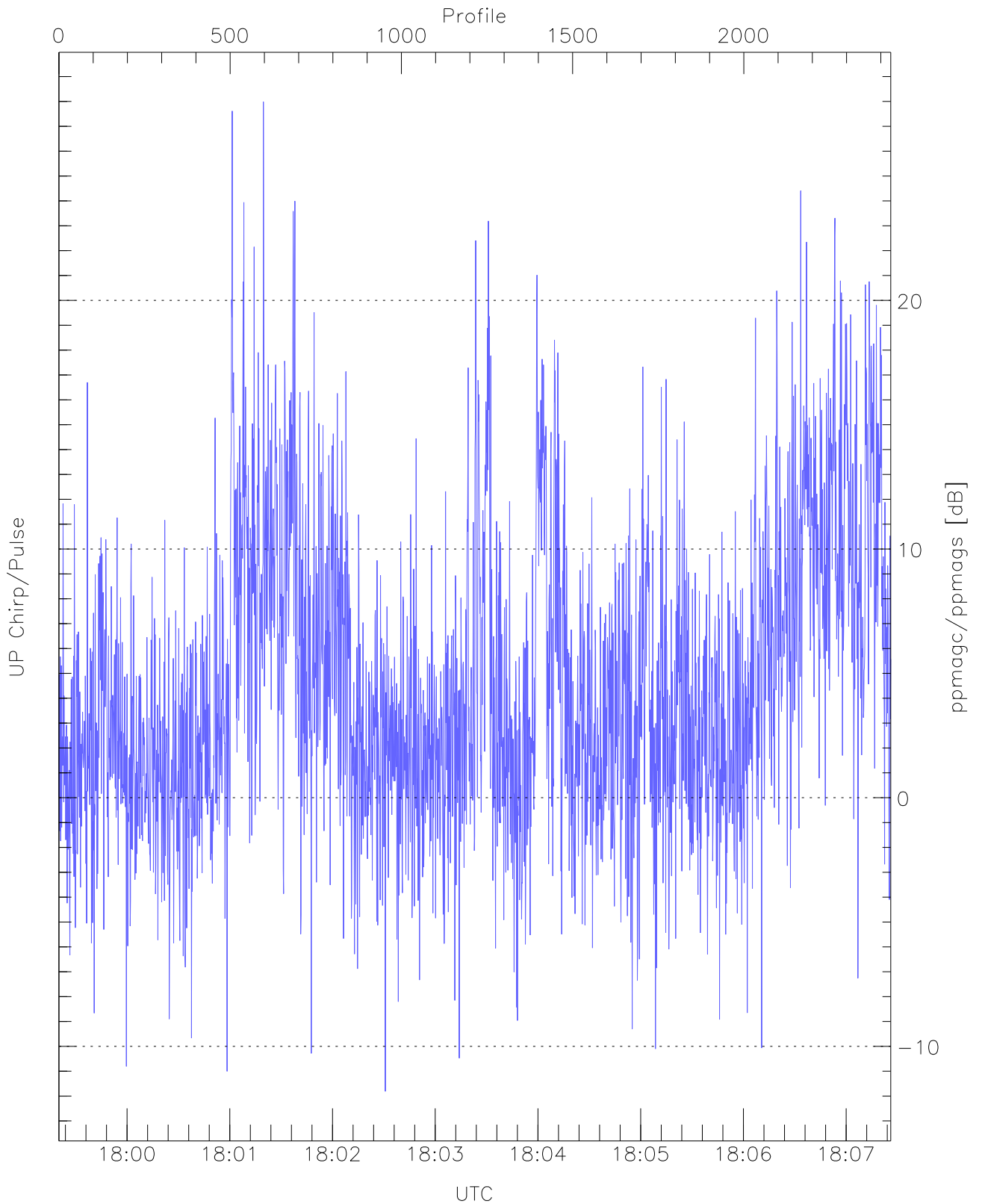
	Min	Max	Mean
UP Chirp(dBm)	-101.03	-72.86	-84.55
UP Pulse(dBm)	-105.70	-43.93	-60.65



KPR SPP PPVEL for Chirp Range gate 10 (1315.8 m)

KPR SPP PPVEL for Pulse Range gate 10 (466.6 m)

	Min	Max	Mean
UP Chirp(m/s)	-40.05	40.01	-0.18
UP Pulse(m/s)	-39.93	40.06	-0.43



KPR SPP PPMAG Chirp/Pulse; Range gate: 1046.0m /1066.2m

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-11.81	27.99	9.26