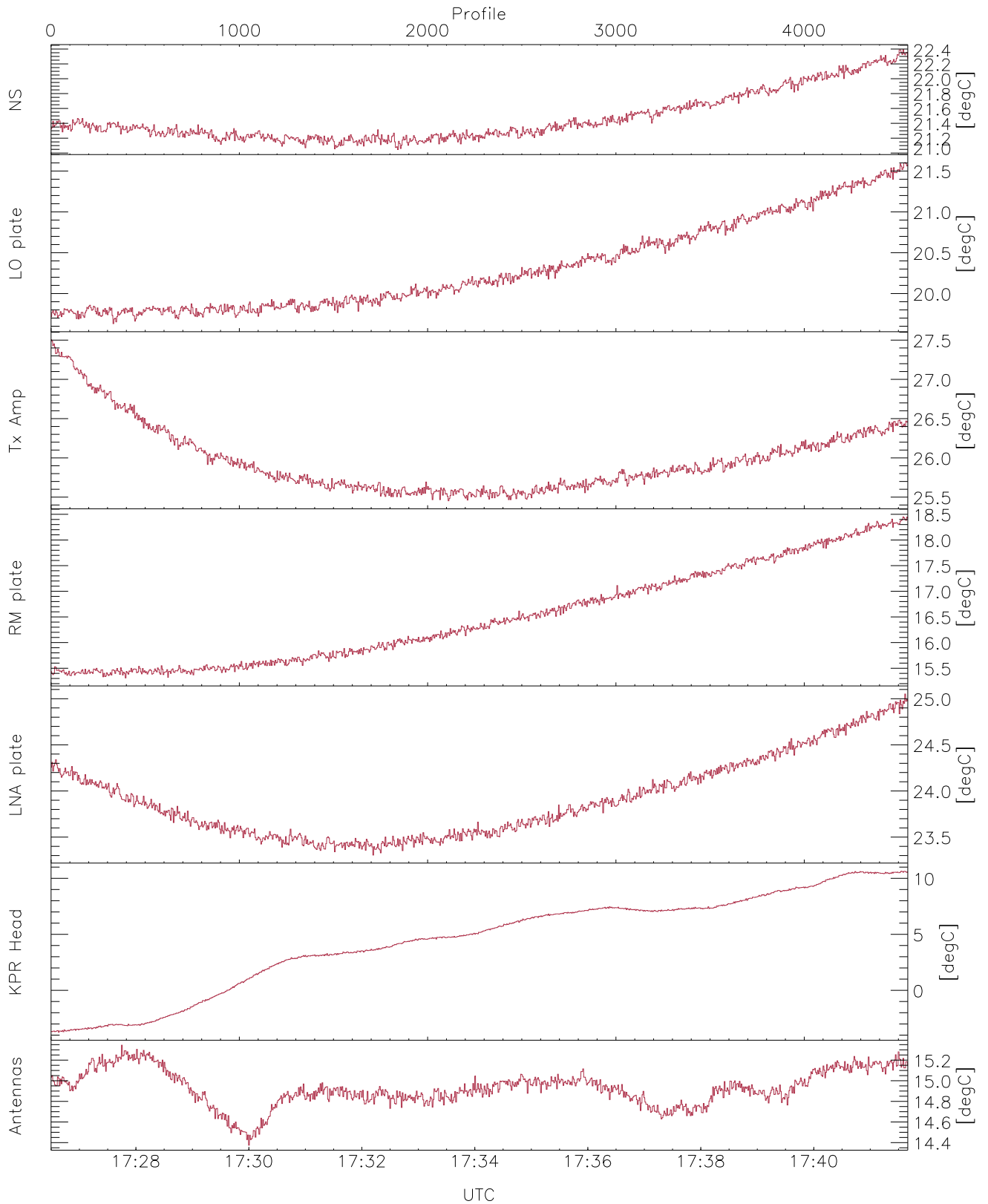


KPR SPP; Ant(s): UP; Radiometer: OFF

UTC: 17:26:30-17:41:40, TimeCor: 0.00s, Dur: 910.00s  
 TimeInt(min,max,mn,std): 186.6,213.4,200.0,1.1 ms; PPS: 5.0  
 NumRec(r/t): 4551/4551, 0-4550/17:26:30-17:41:40  
 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

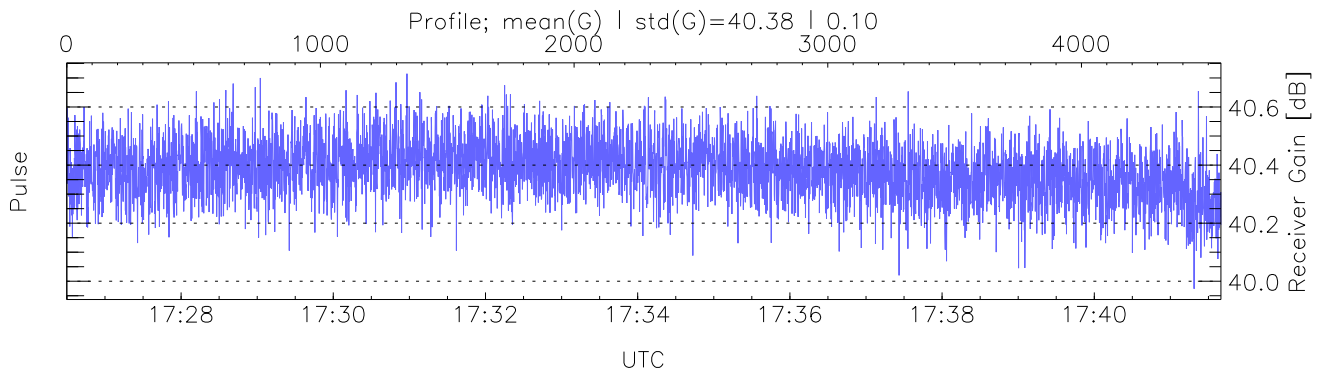
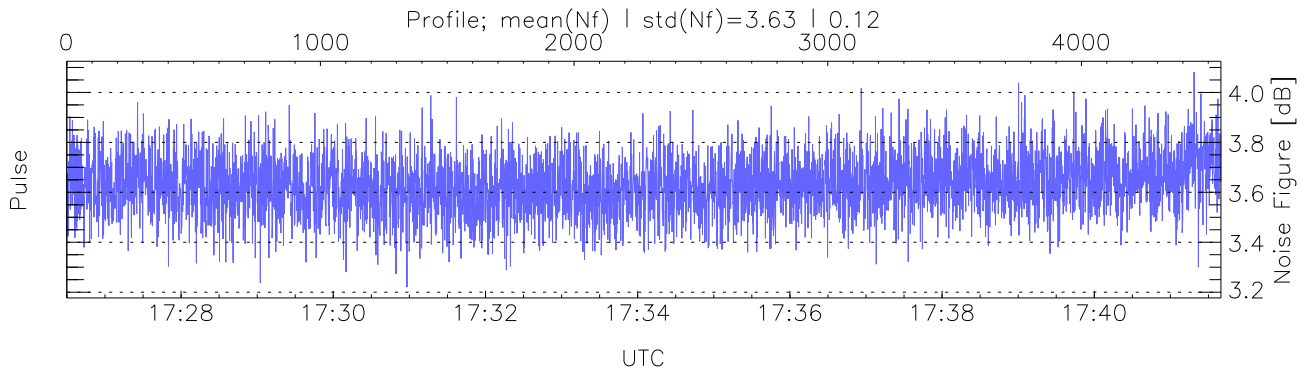
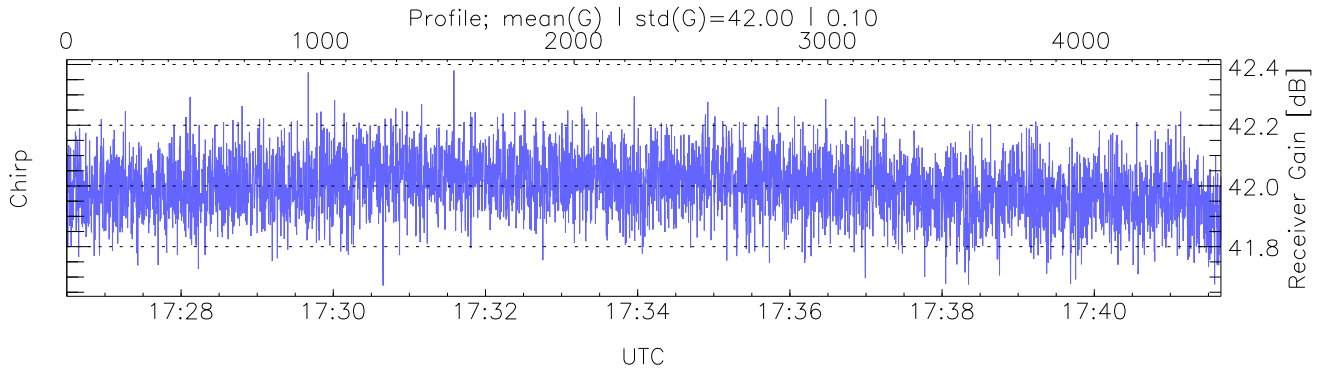
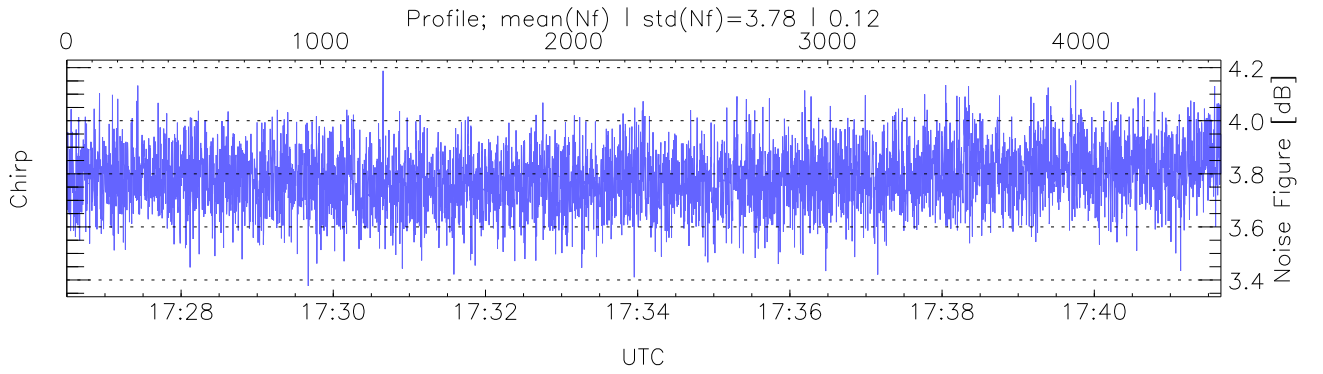


KPR SPP Temperatures, Power Supplies, PLO lock:

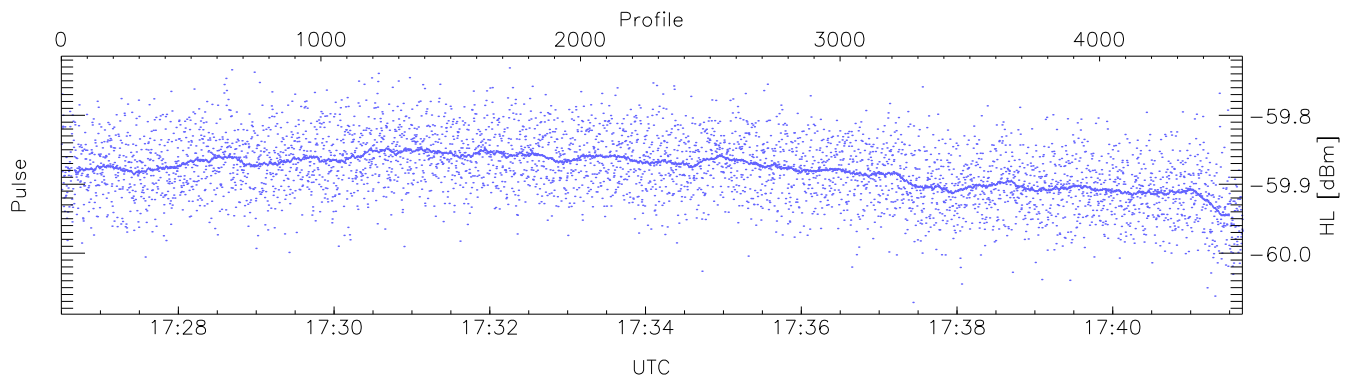
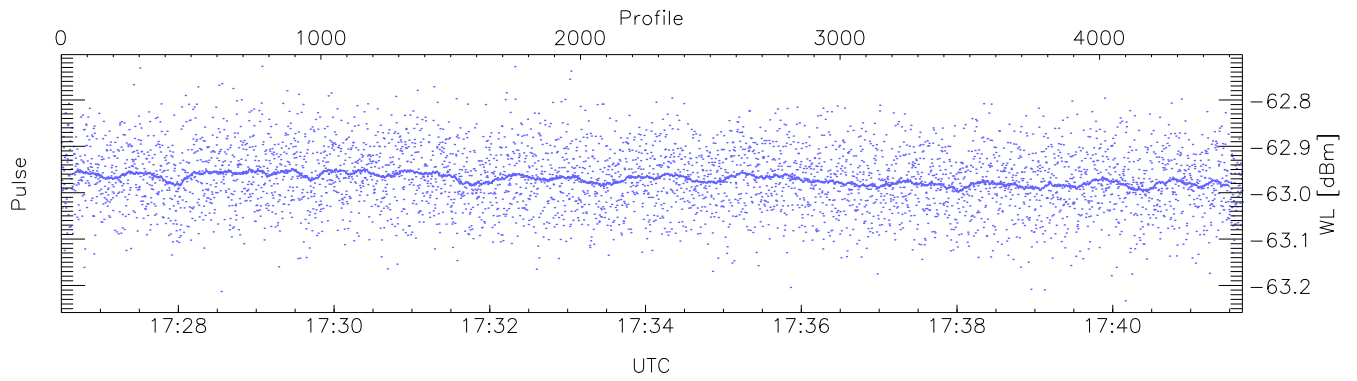
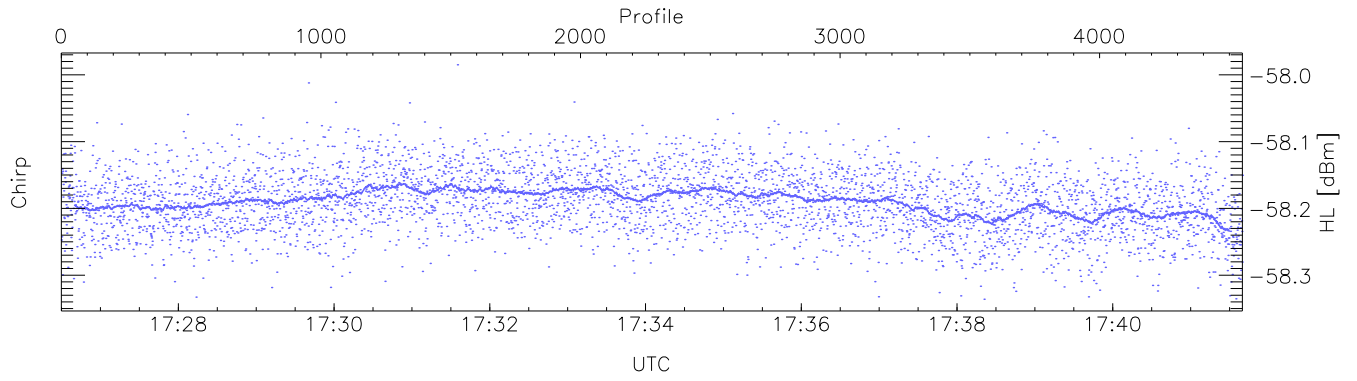
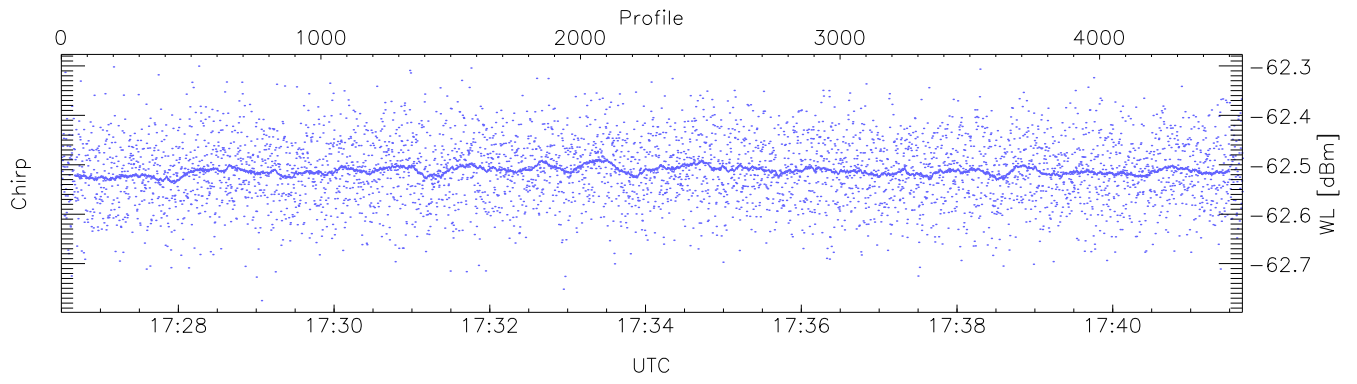
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	21.0,	19.6,	25.5,	15.3,	23.3,	-3.7,	14.4
maxtempC:	22.4,	21.6,	27.5,	18.5,	25.1,	10.6,	15.3
meantempC:	21.5,	20.3,	26.0,	16.5,	23.9,	4.4,	14.9

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.98,	11.68,	7.87,	5.22
maxVDC:	28.00,	11.73,	7.90,	5.23
meanVDC:	27.07,	11.71,	7.88,	5.22

PLO(3.84,15.84 GHz) unlocked: None

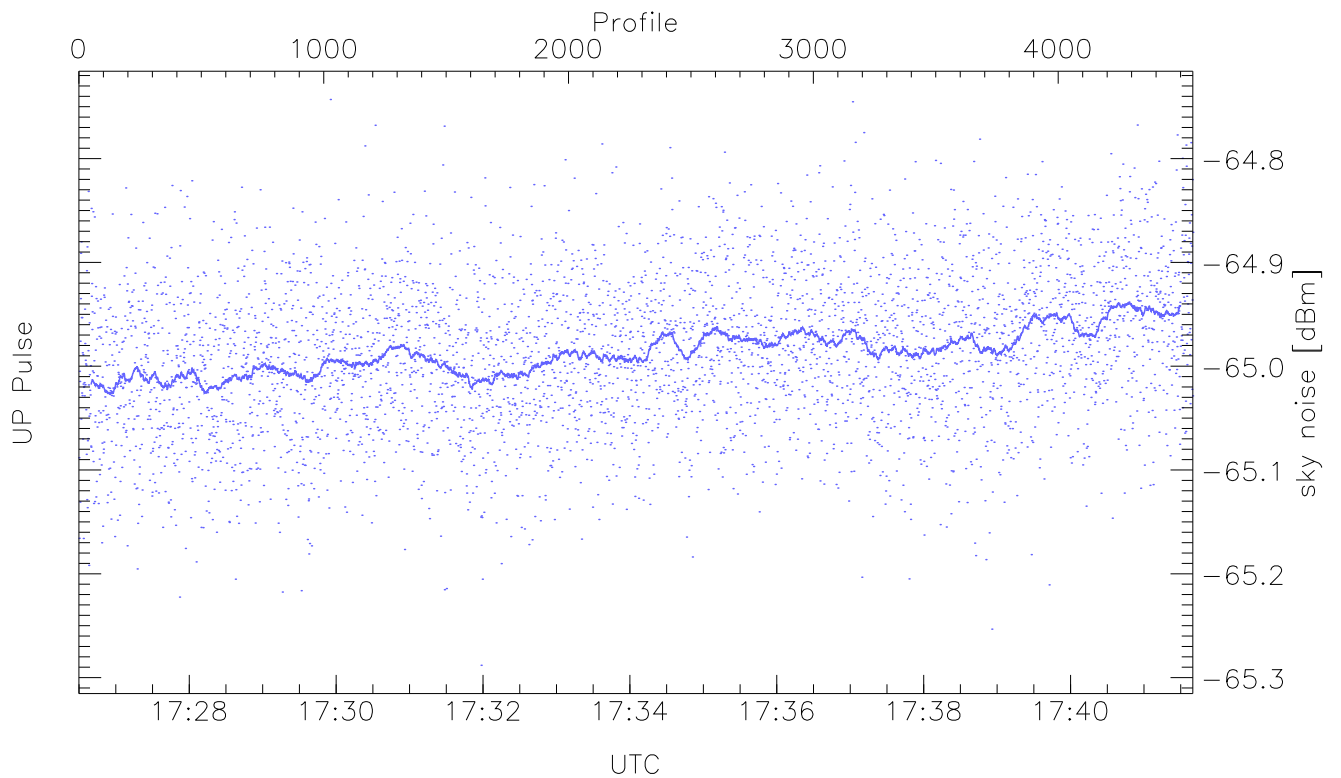
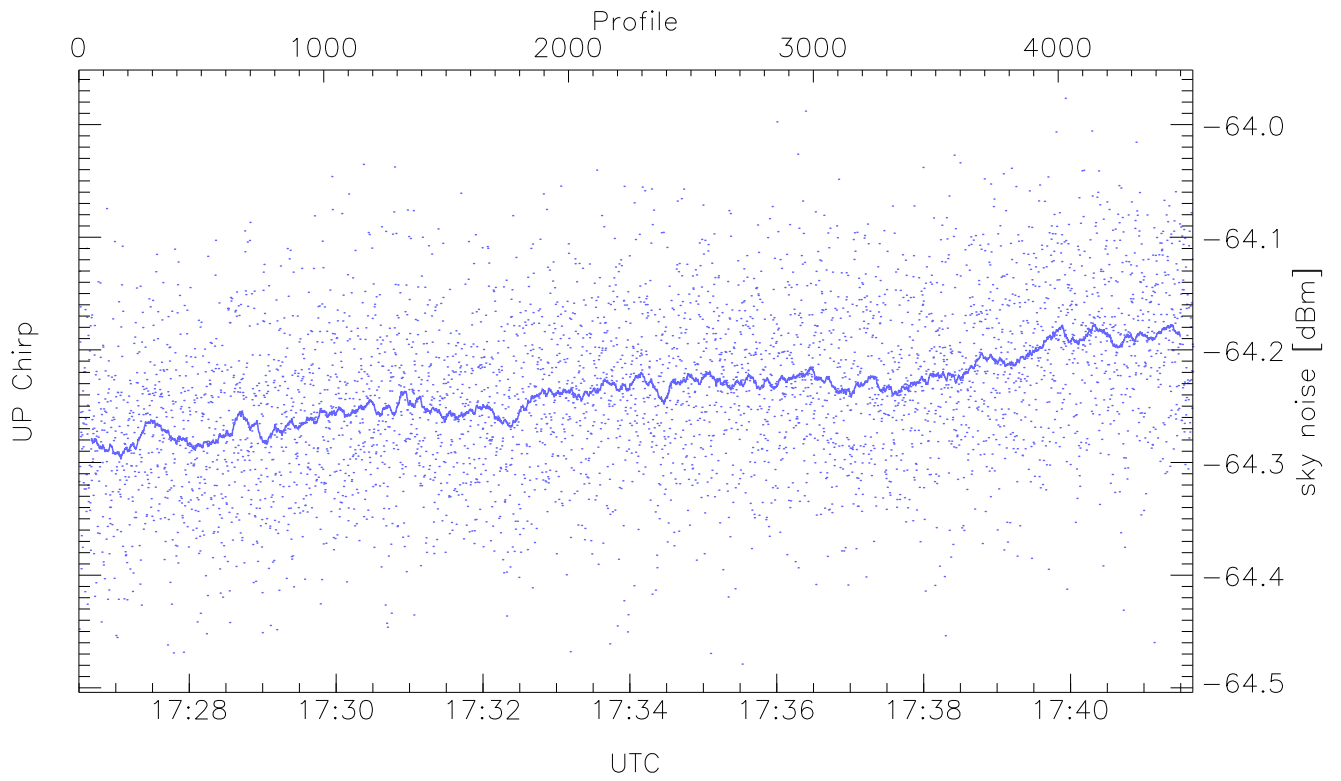


KPR SPP Receiver Gain and Noise Figure



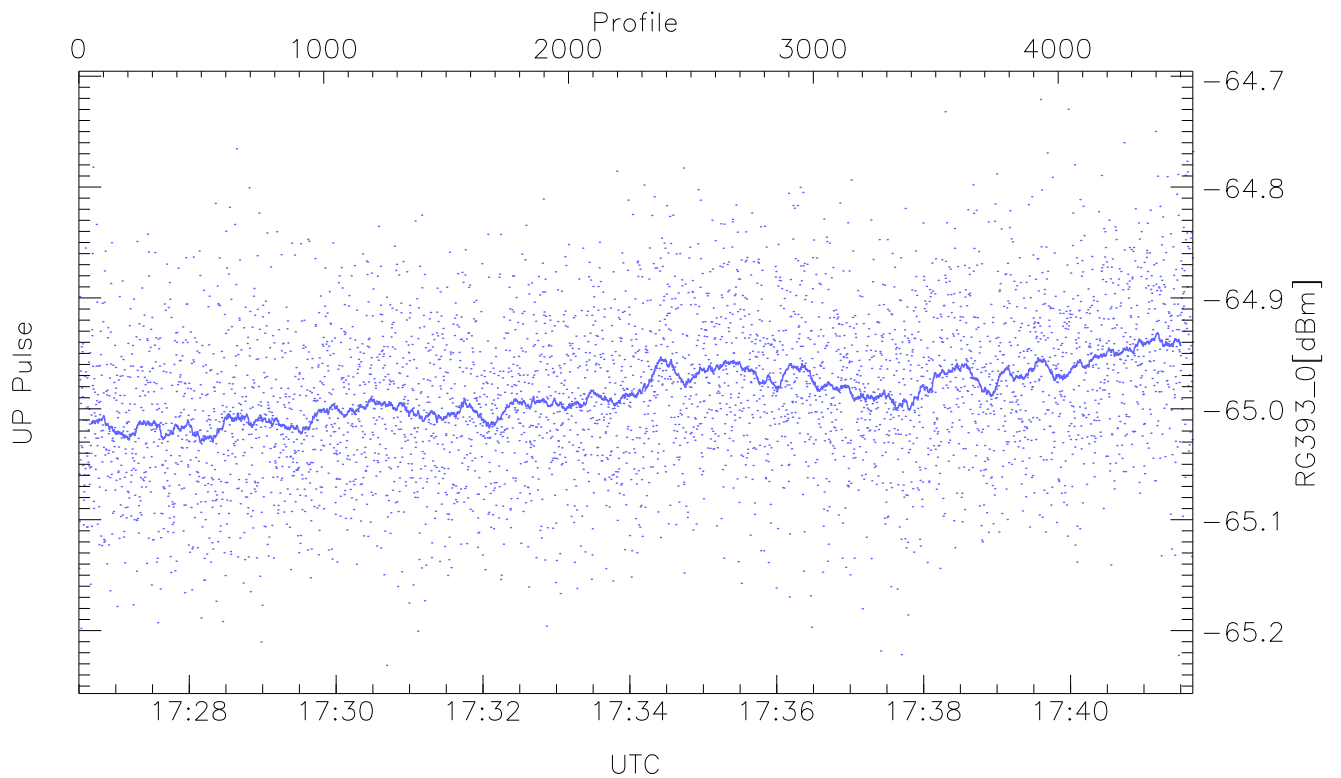
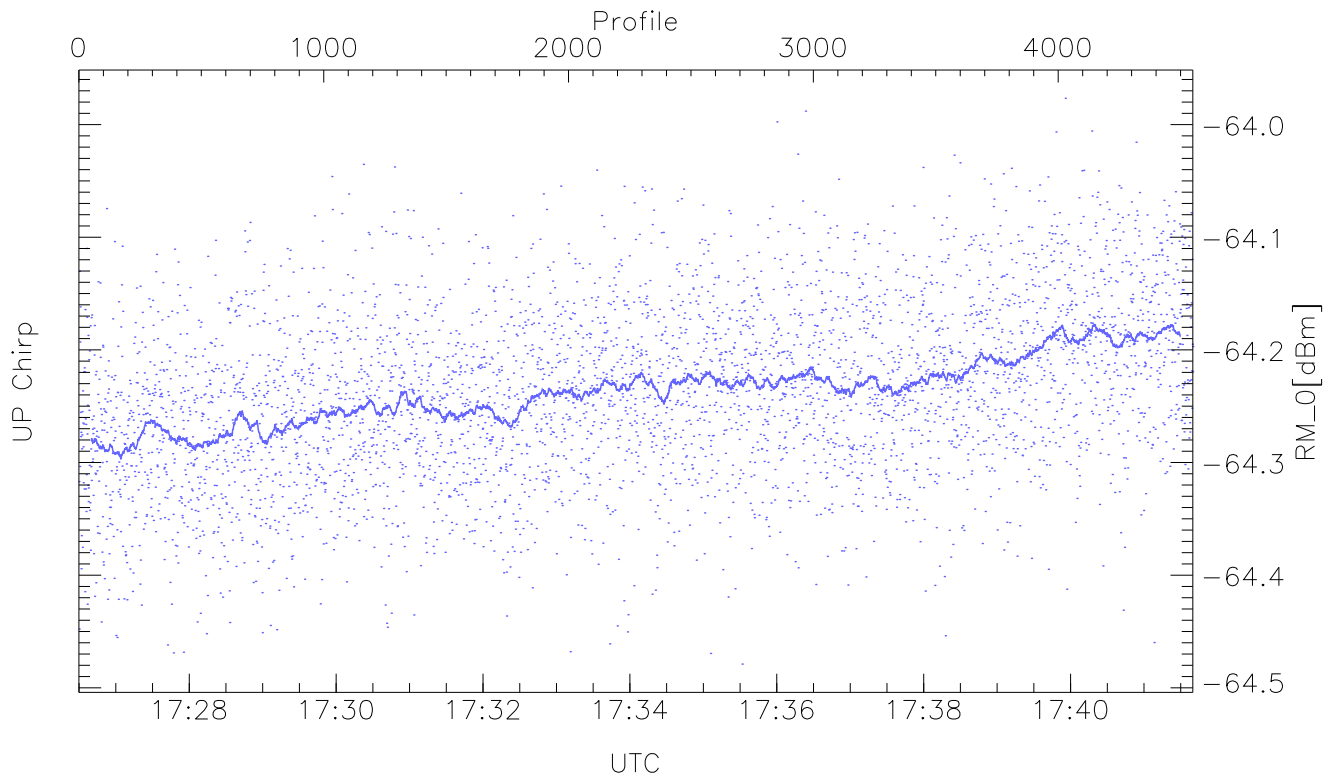
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.77	-62.30	-62.51	-62.51	-80.51
Chirp(HL [dBm])	-58.34	-57.98	-58.19	-58.19	-78.00
Pulse(WL [dBm])	-63.23	-62.73	-62.97	-62.97	-80.92
Pulse(HL [dBm])	-60.07	-59.73	-59.88	-59.88	-79.39



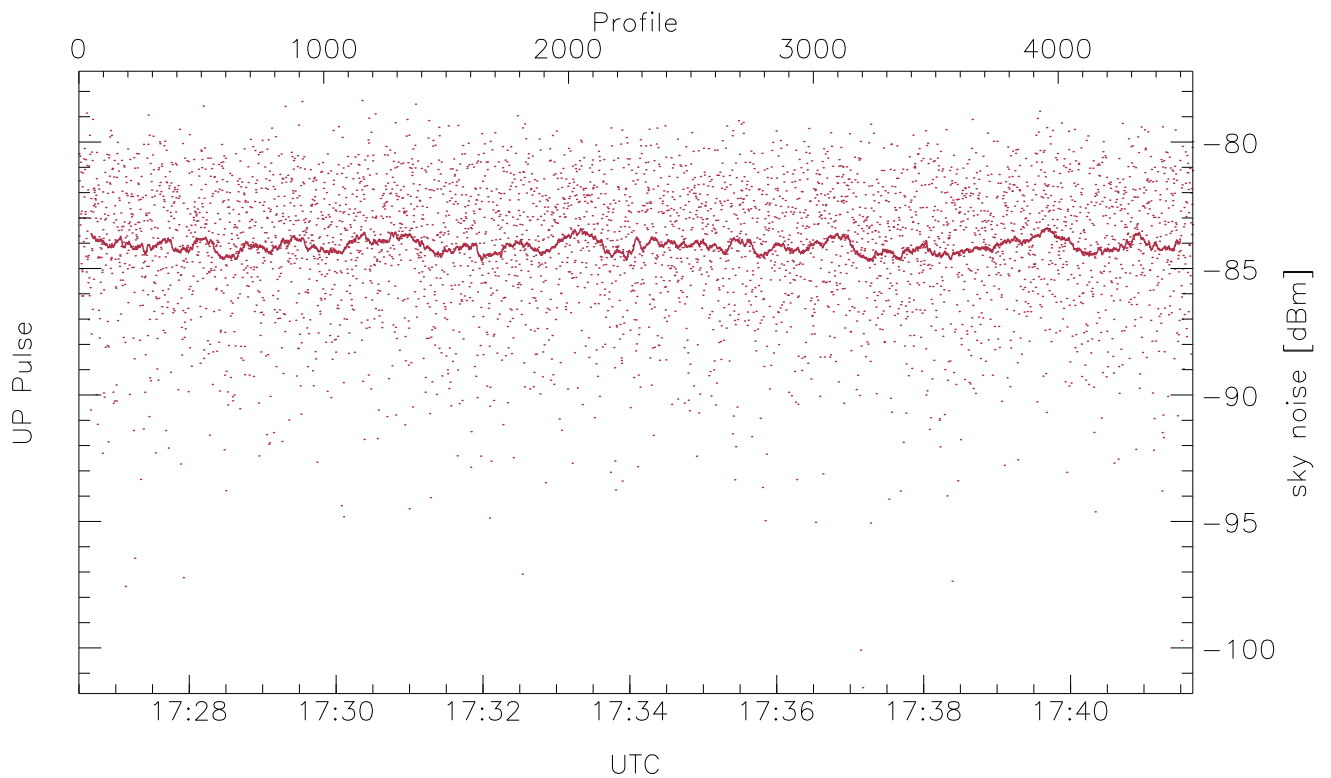
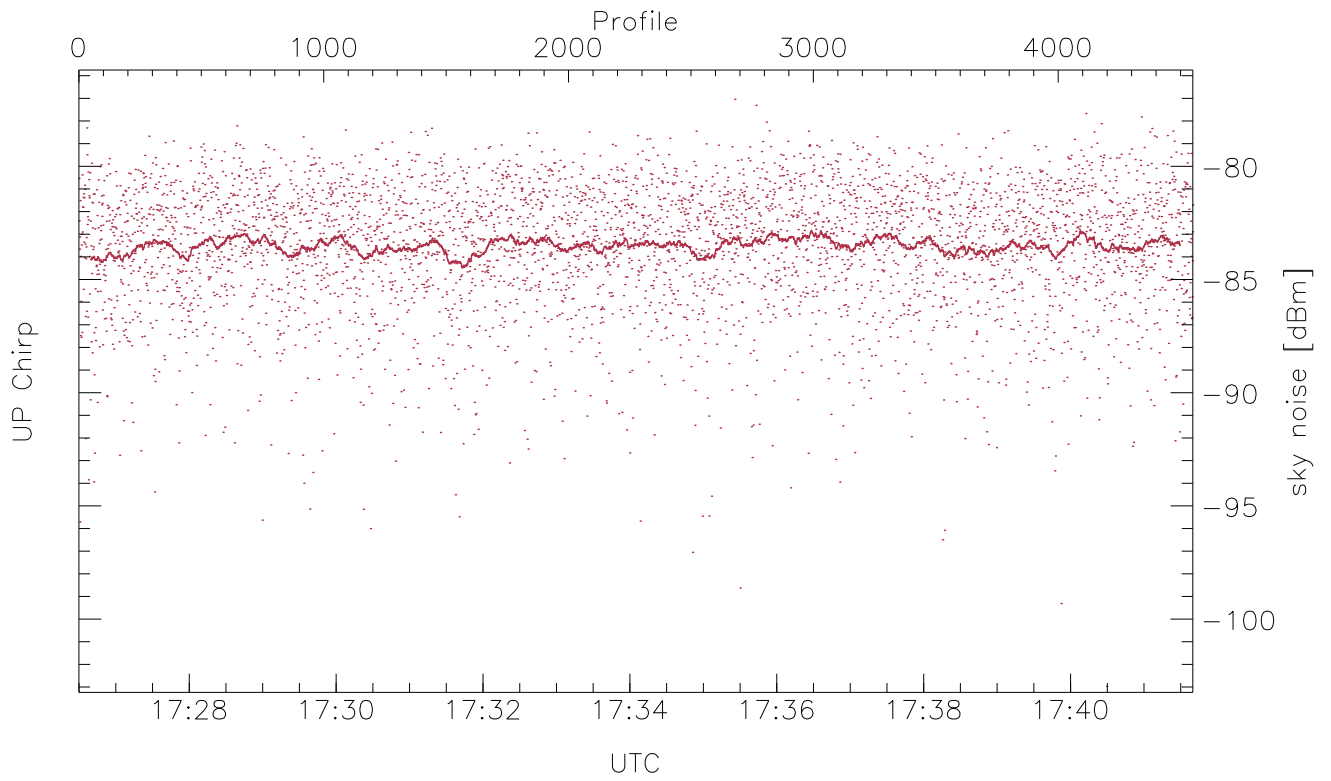
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.48	-63.98	-64.24	-64.24	-81.83
UP Pulse(dBm)	-65.29	-64.74	-64.99	-64.99	-82.75



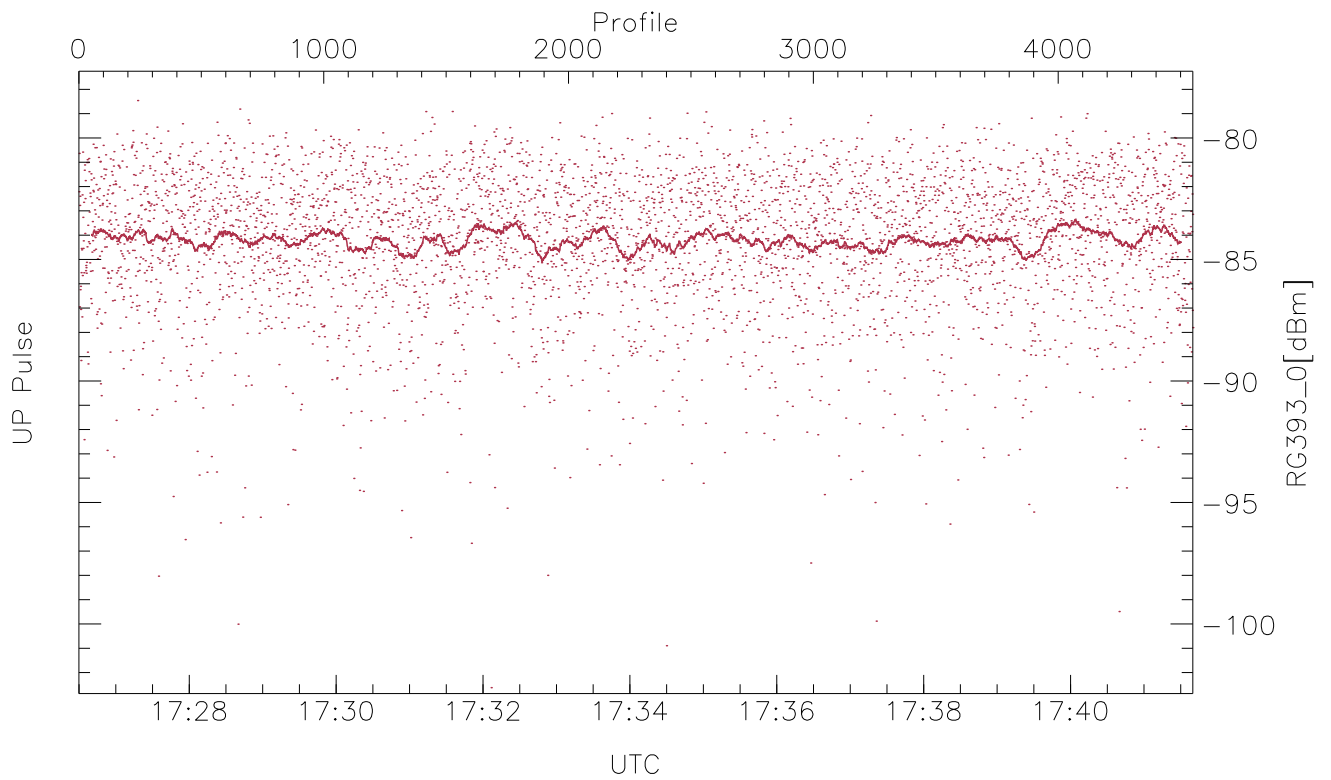
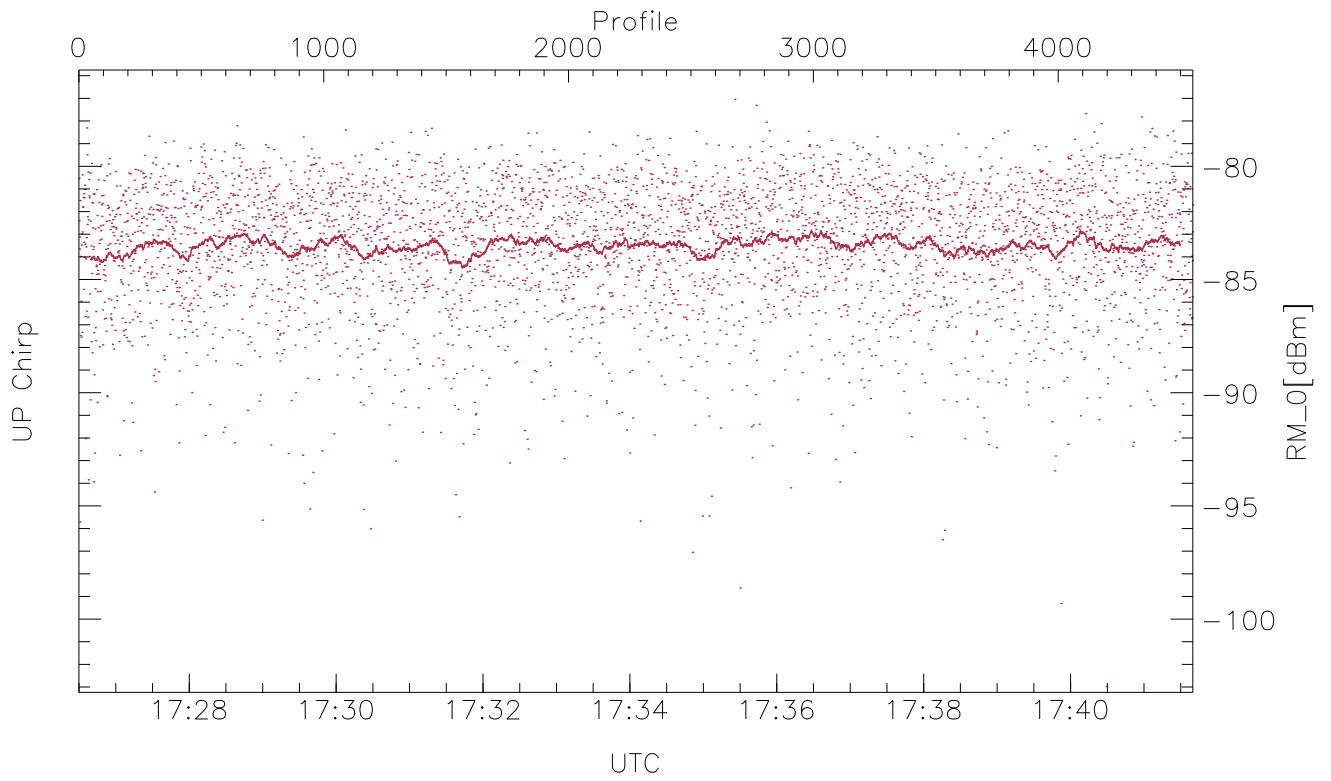
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-64.48	-63.98	-64.24	-64.24	-81.83
UP_P_RG393_0	-65.23	-64.72	-64.99	-64.99	-82.76



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

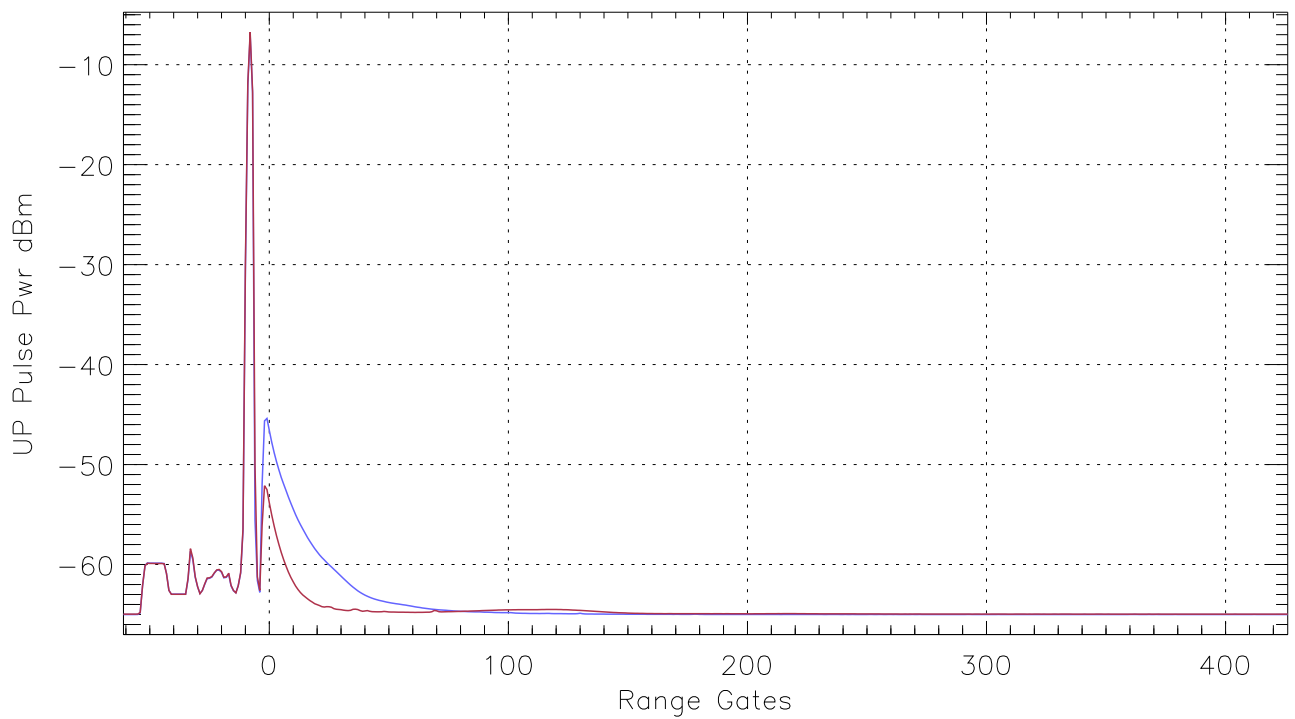
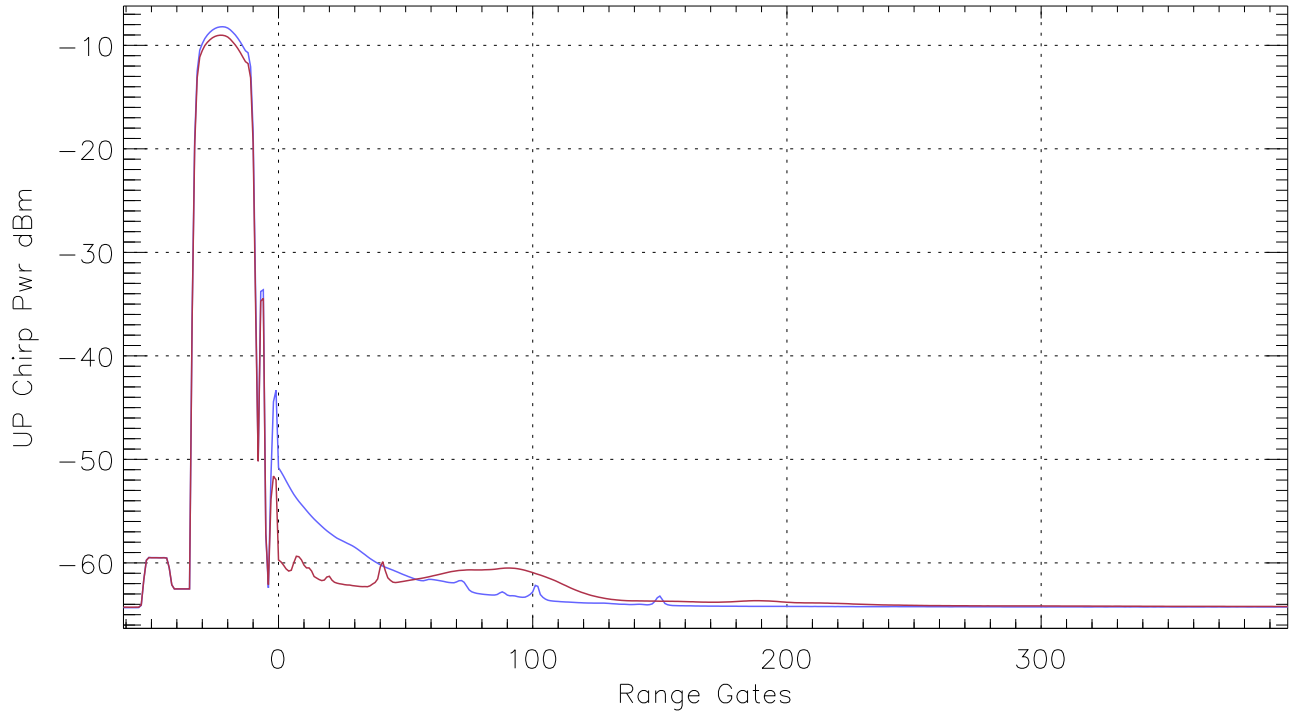
	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-102.98	-77.04	-82.79	-83.09	-85.58
UP Pulse(dBm)	-101.57	-78.36	-83.38	-83.69	-86.19



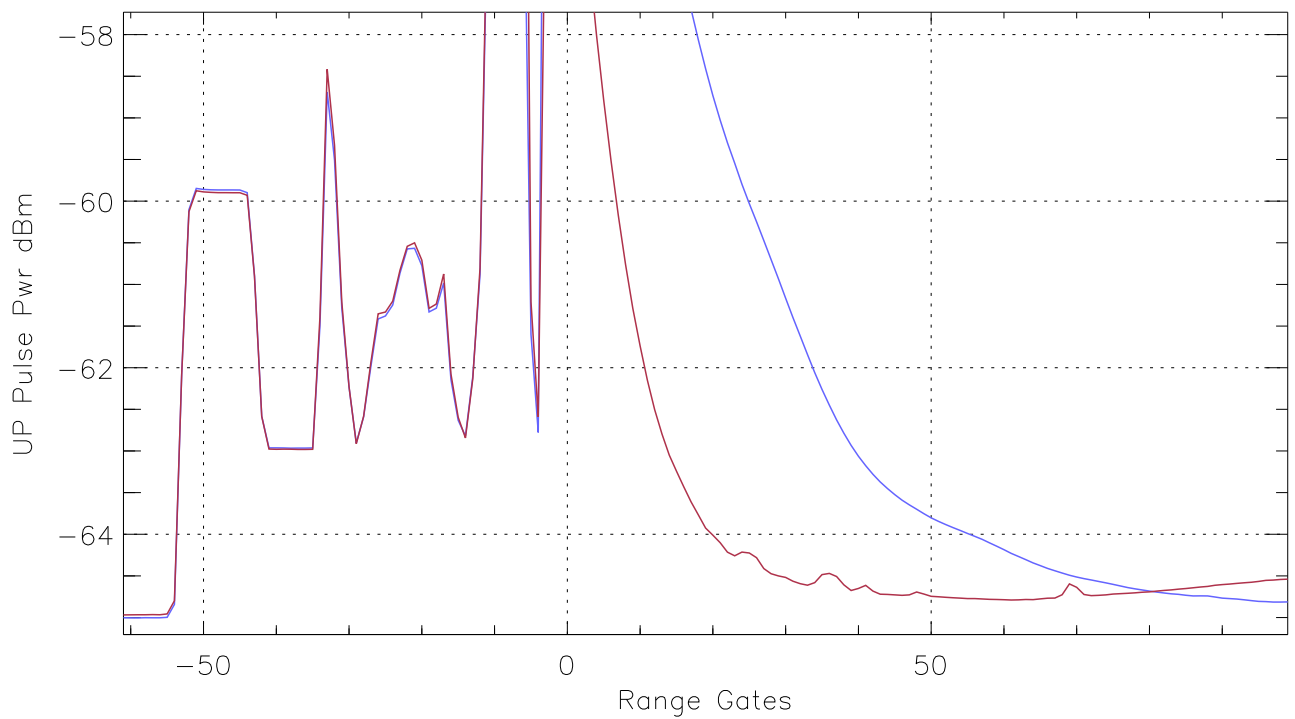
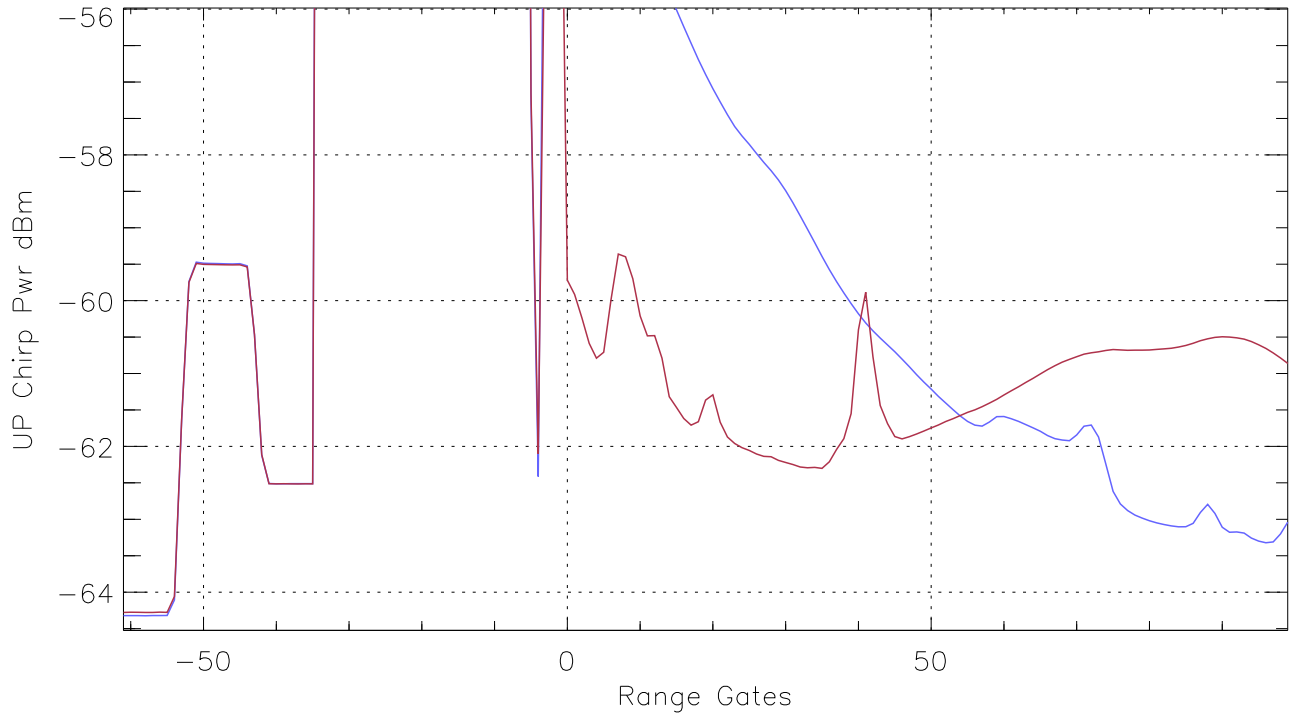
KPR SPP "Best" PPMAG noise (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-102.98	-77.04	-82.79	-83.09	-85.58
UP_P_RG393_0	-102.62	-78.46	-83.48	-83.78	-86.31

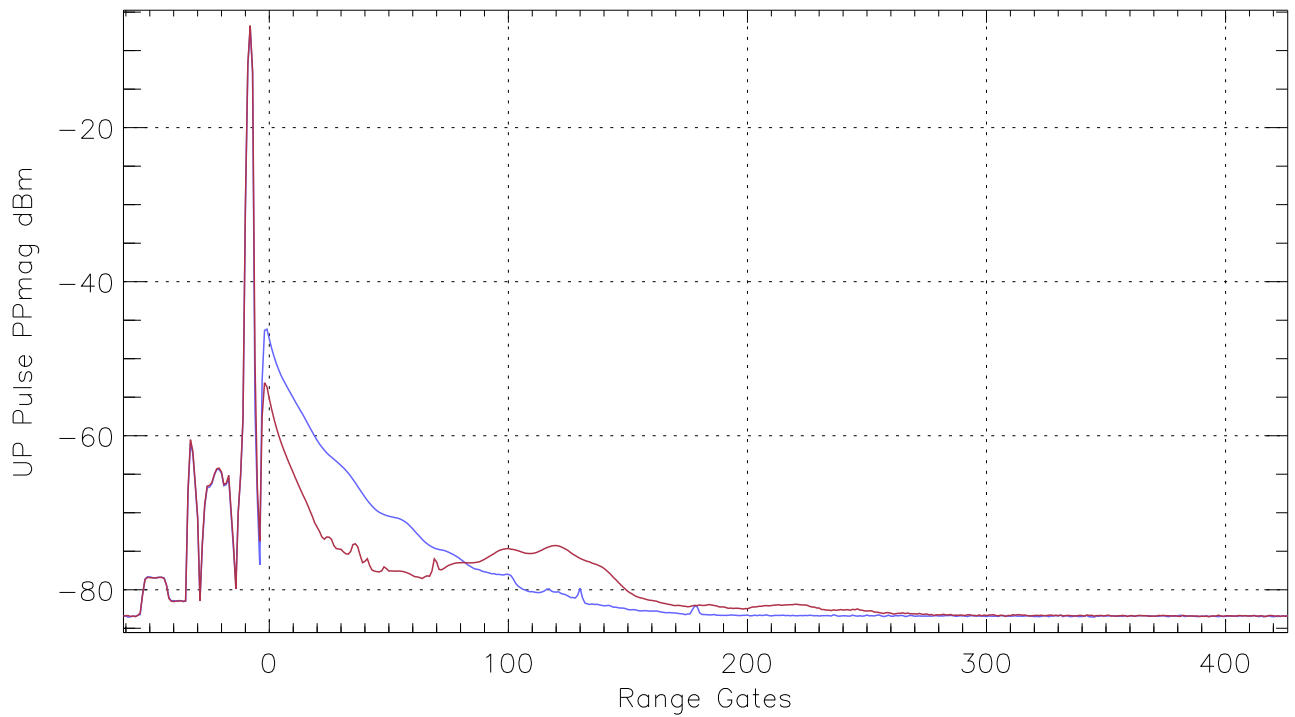
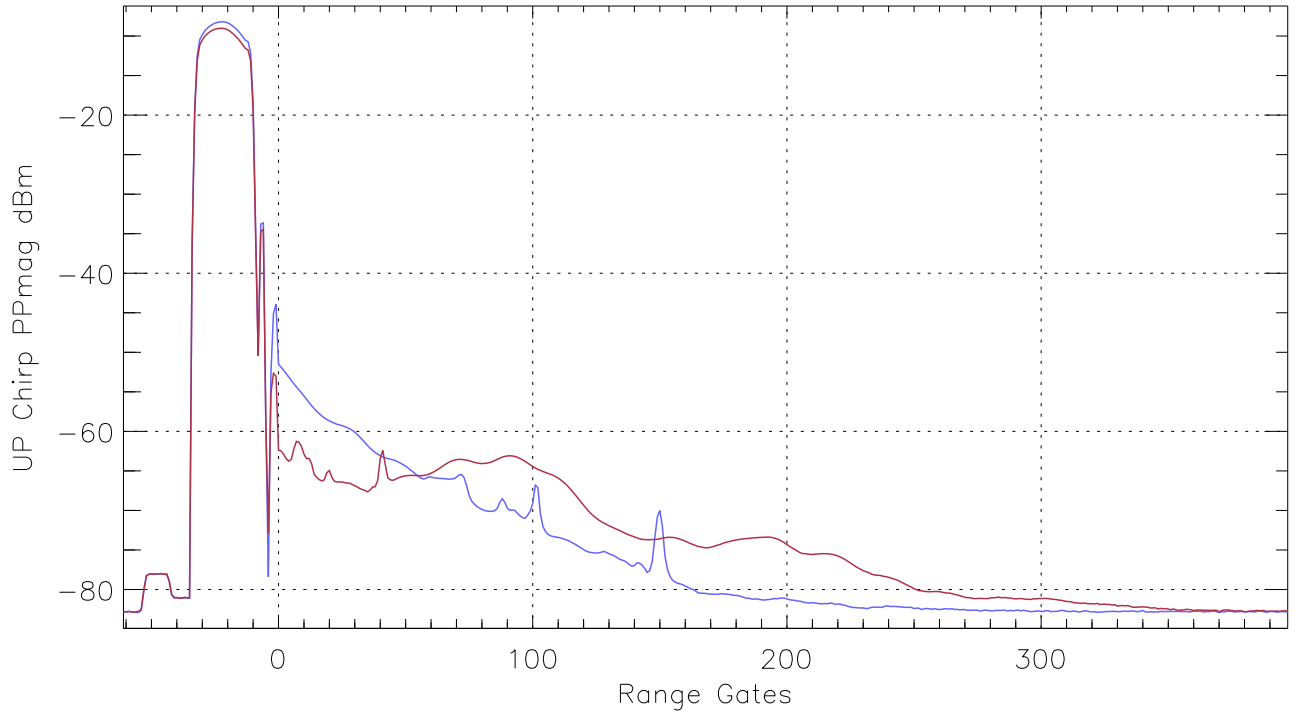




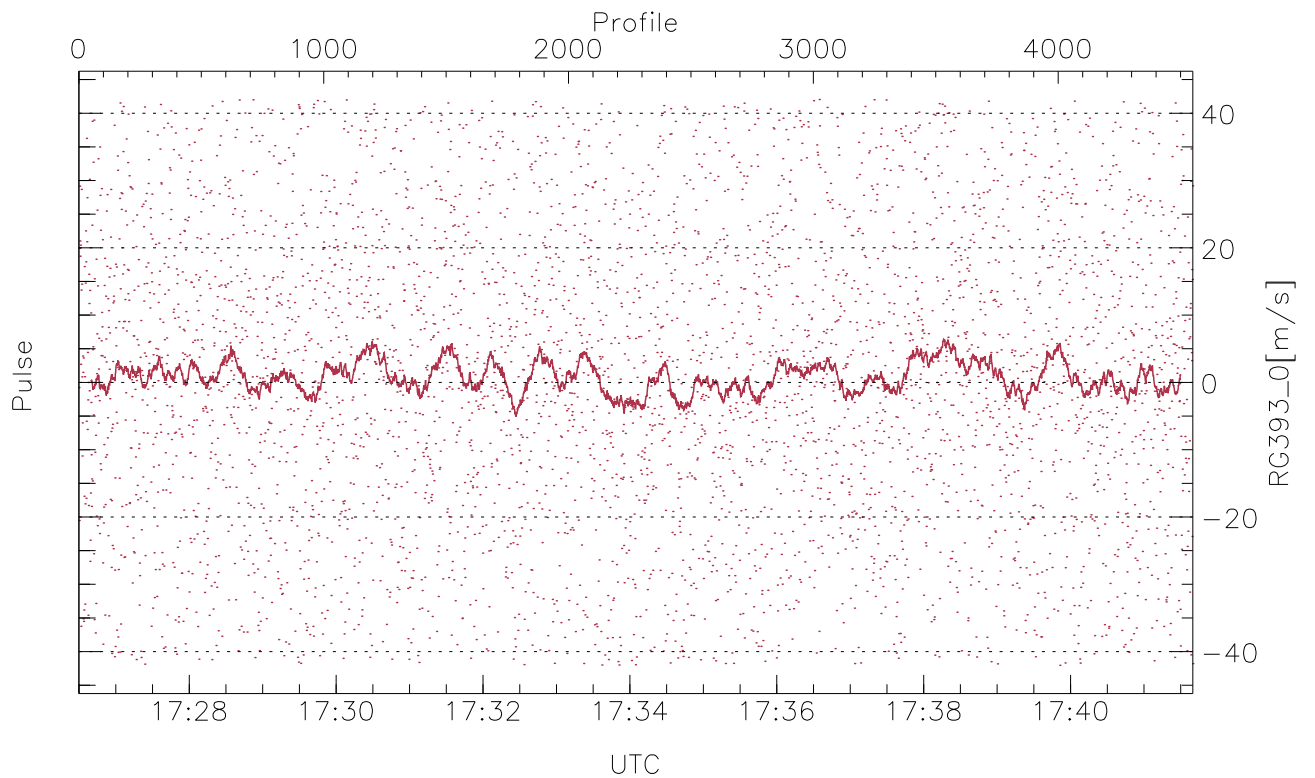
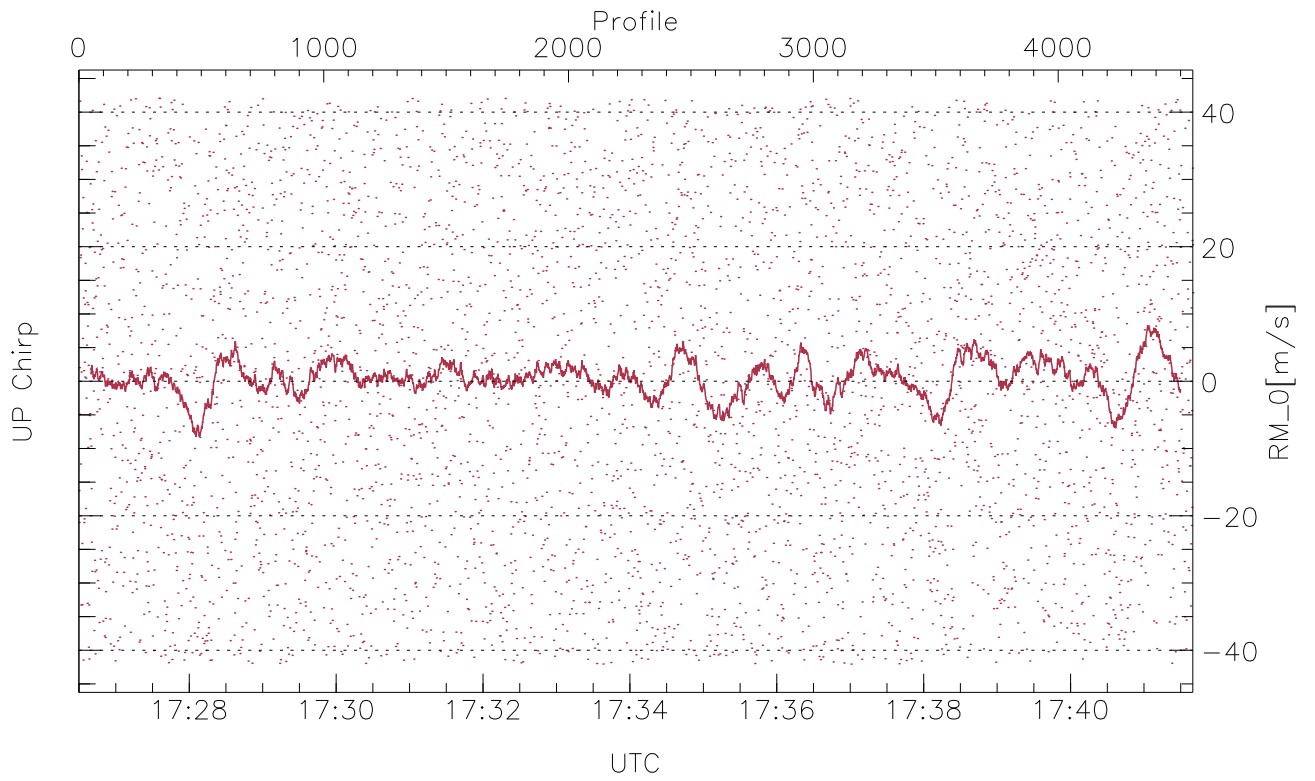
KPR SPP Averaged Received power for all recorded gates  
blue: 172630-173404, 2276 profiles averaged  
red: 173404-174140, 2276 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates  
blue: 172630-173404, 2276 profiles averaged  
red: 173404-174140, 2276 profiles averaged

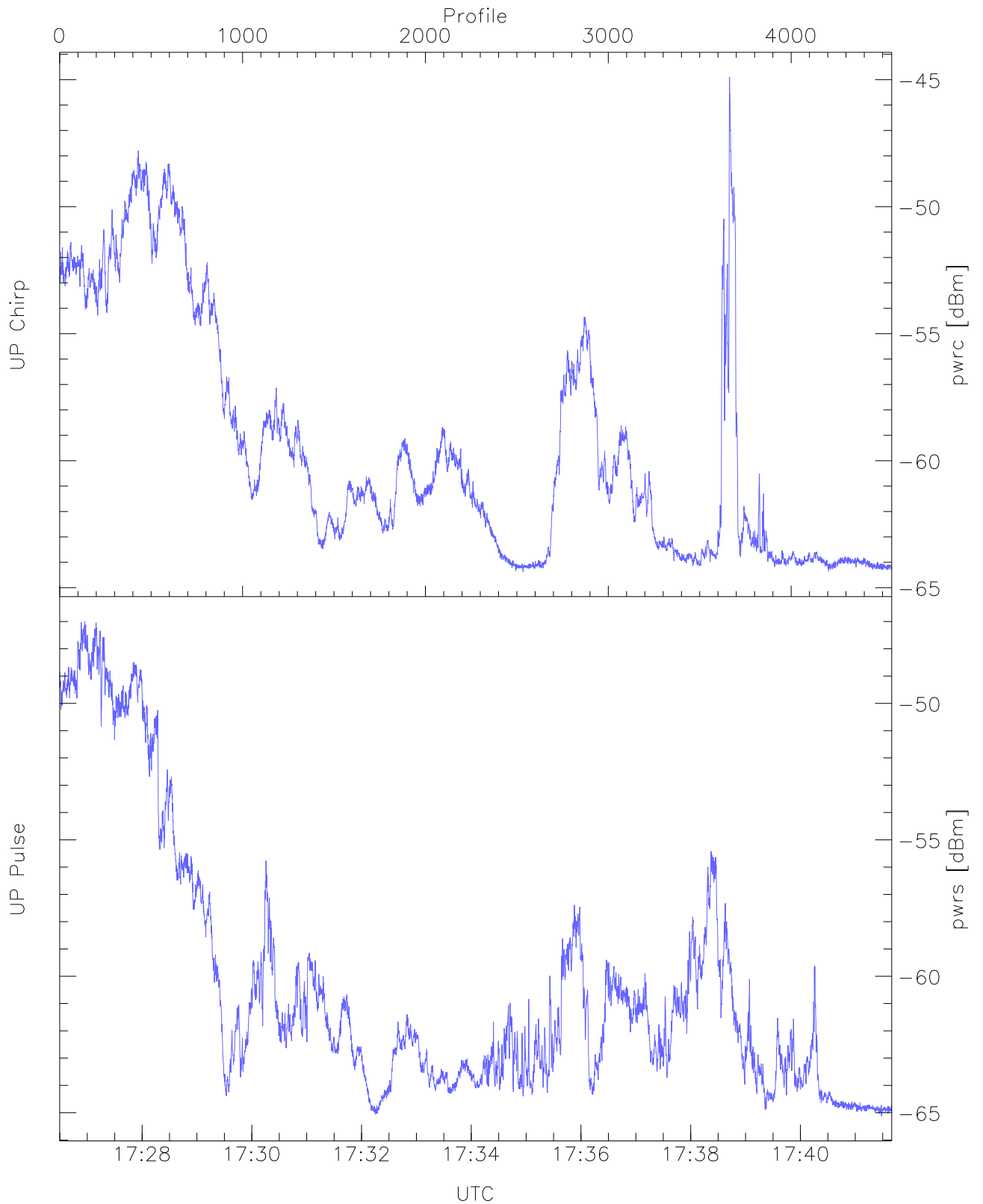


KPR SPP Averaged PP magnitude for all recorded gates  
blue: 172630-173404, 2276 profiles averaged  
red: 173404-174140, 2276 profiles averaged



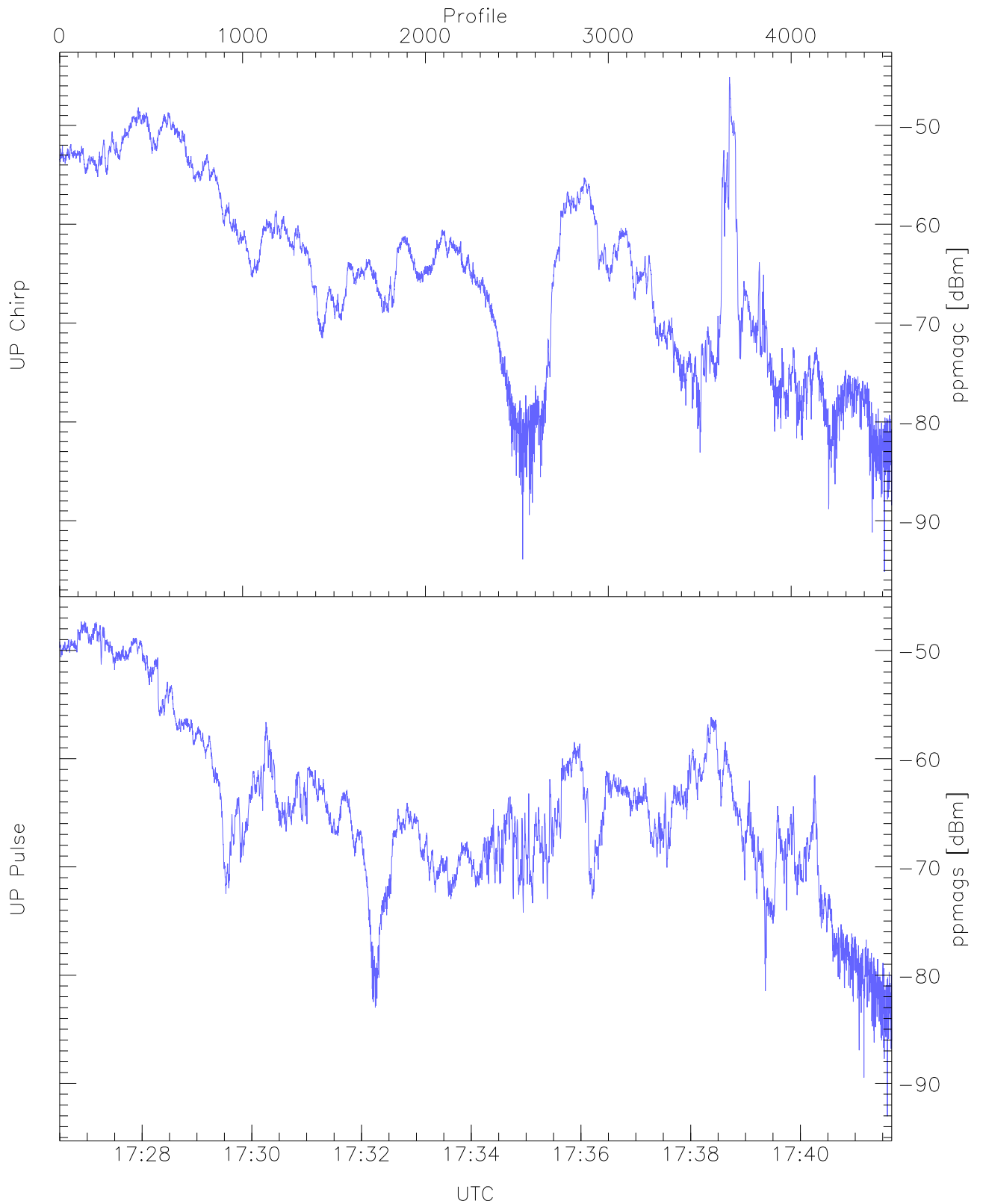
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RM_0	-42.05	42.05	0.39	0.32	24.07
UP_P_RG393_0	-42.03	42.04	0.73	1.03	21.49



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

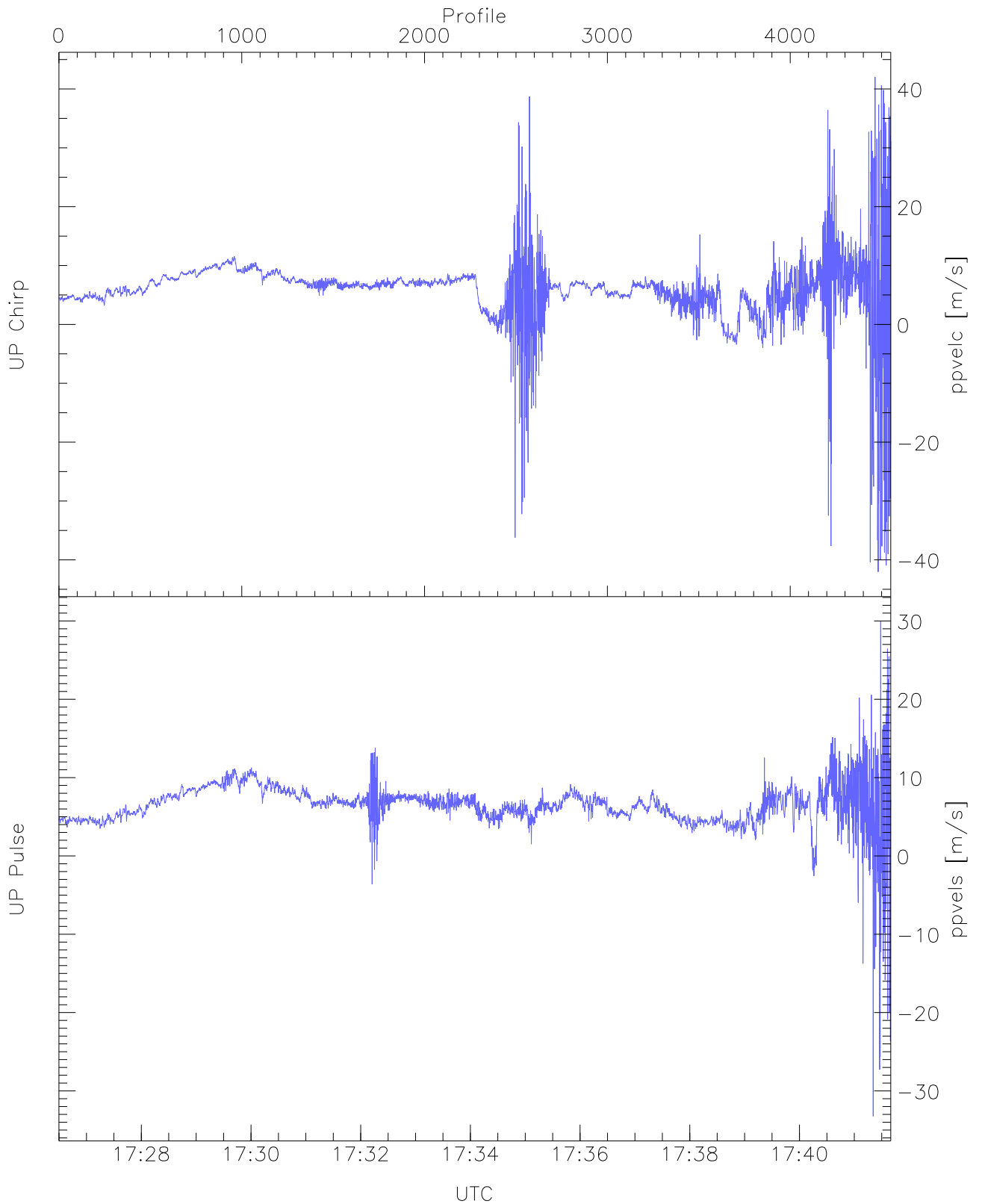
	Min	Max	Mean
UP Chirp(dBm)	-64.38	-44.89	-56.59
UP Pulse(dBm)	-65.13	-46.99	-56.72



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

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

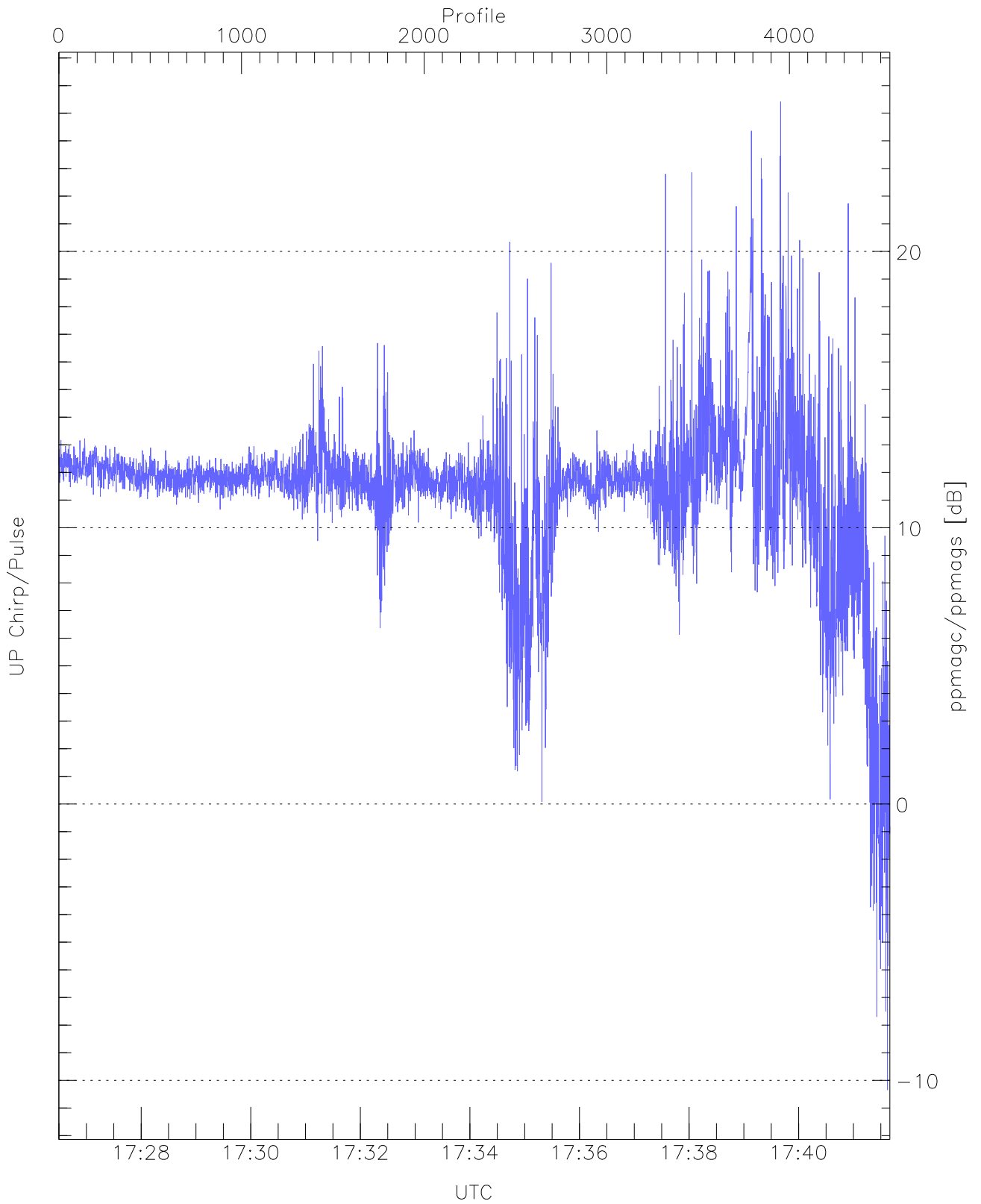
	Min	Max	Mean
UP Chirp(dBm)	-95.17	-45.11	-57.80
UP Pulse(dBm)	-93.03	-47.31	-57.66



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)	-42.04	42.02	5.94
UP Pulse(m/s)	-33.23	29.95	6.49



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-10.35	25.42	12.06