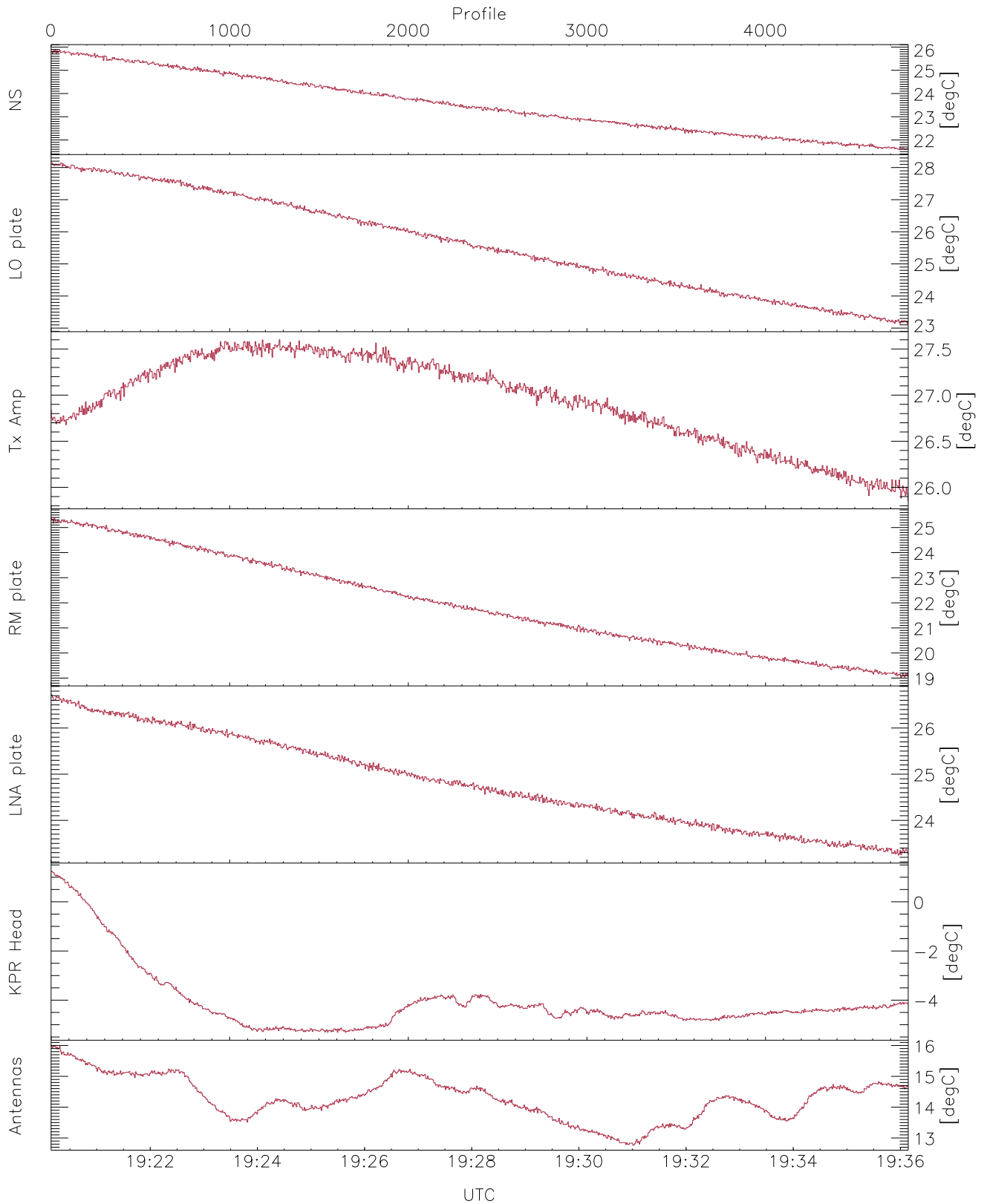


KPR SPP; Ant(s): UP, DOWN; Radiometer: OFF
 UTC: 19:20:09-19:51:09, TimeCor: 0.00s, Dur: 959.80s
 TimeInt(min,max,mn,std): 188.0,212.0,200.0,0.4 ms; PPS: 5.0
 NumRec(r/t): 4800/9302, 0-4799/19:20:09-19:36:09
 AcqTime(req,actual): 200.0,200.0 ms, Data Rate: 187.6 KB/s
 Pulse: 247 ns, Chirp: 2.47 us, DRxIF: 5.0 MHz
 PRF: 20.0 KHz, avgPulses: 2000, avgPP: 1000
 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

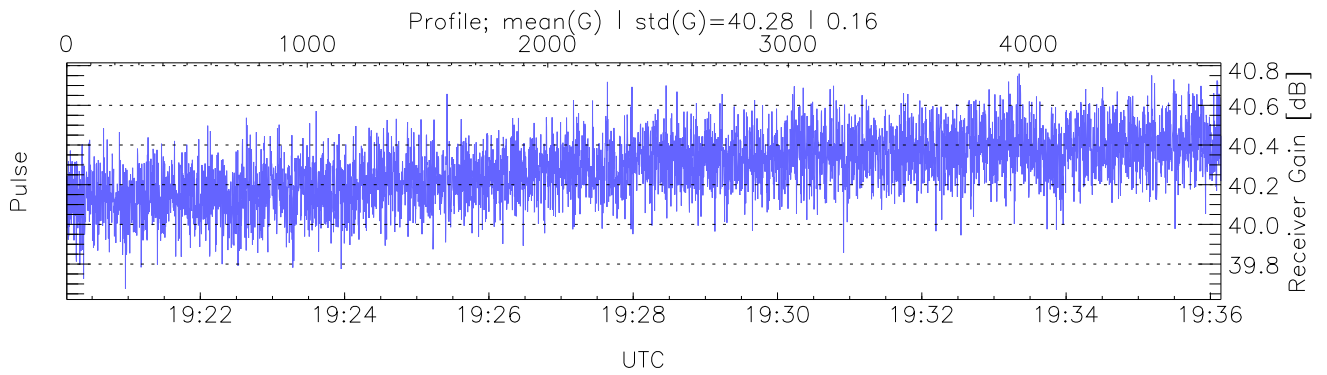
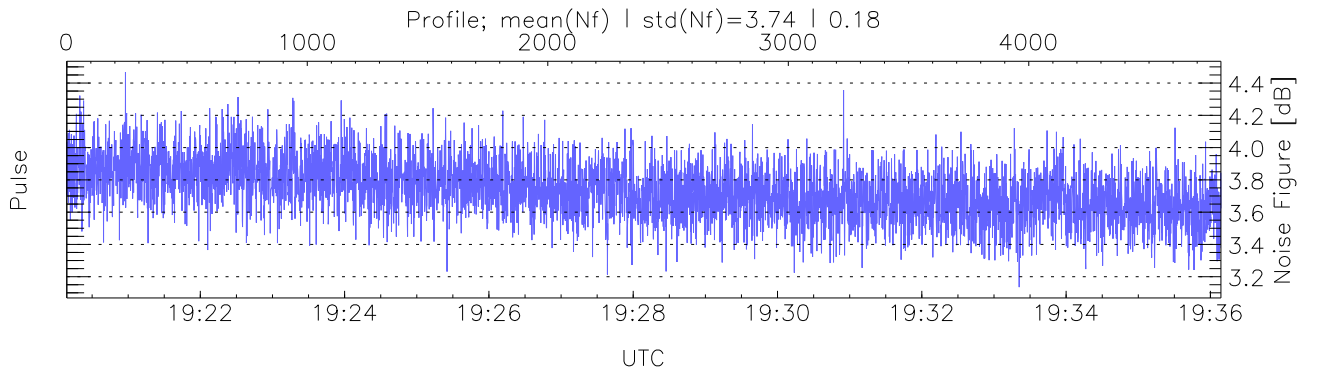
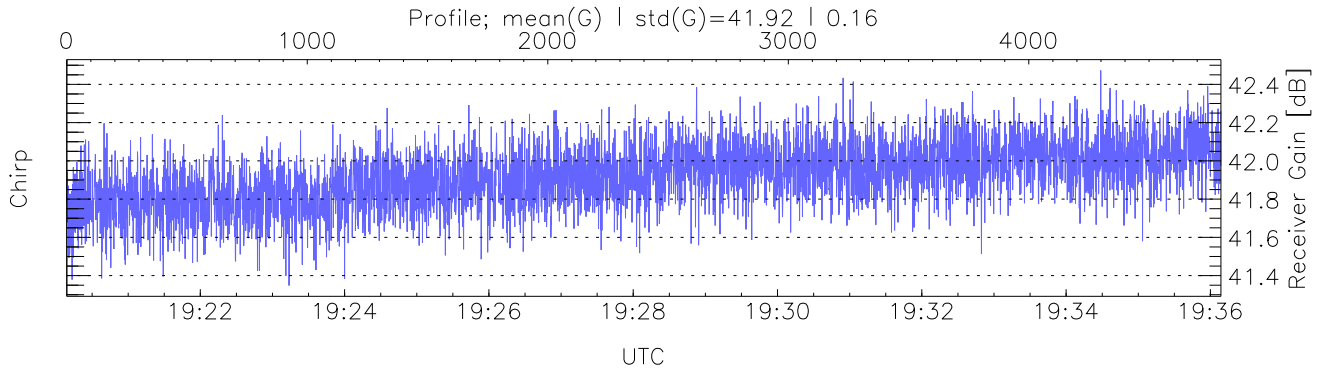
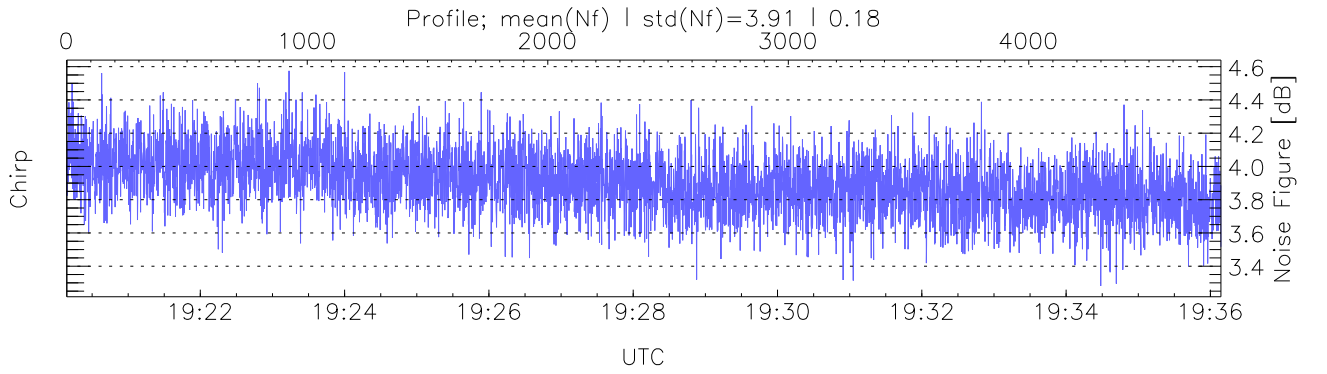


KPR SPP Temperatures, Power Supplies, PLO lock:

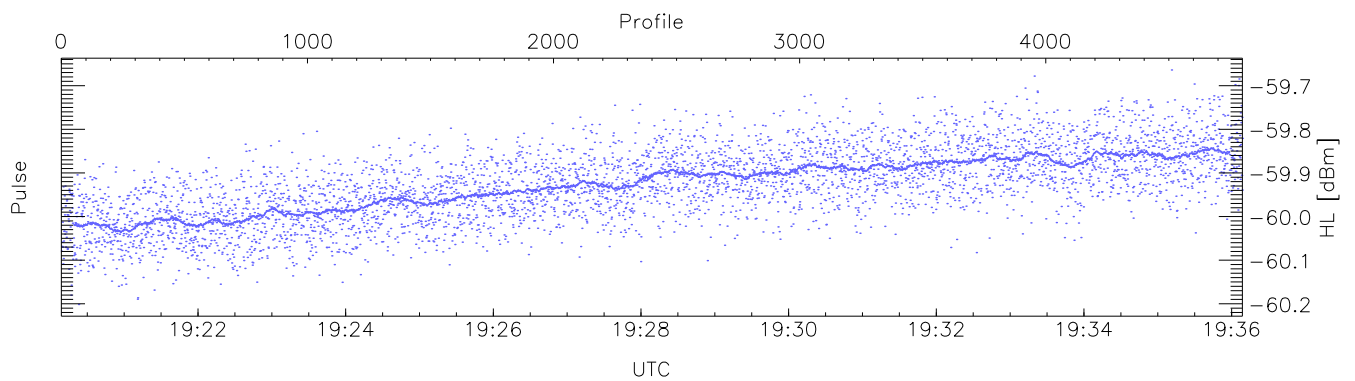
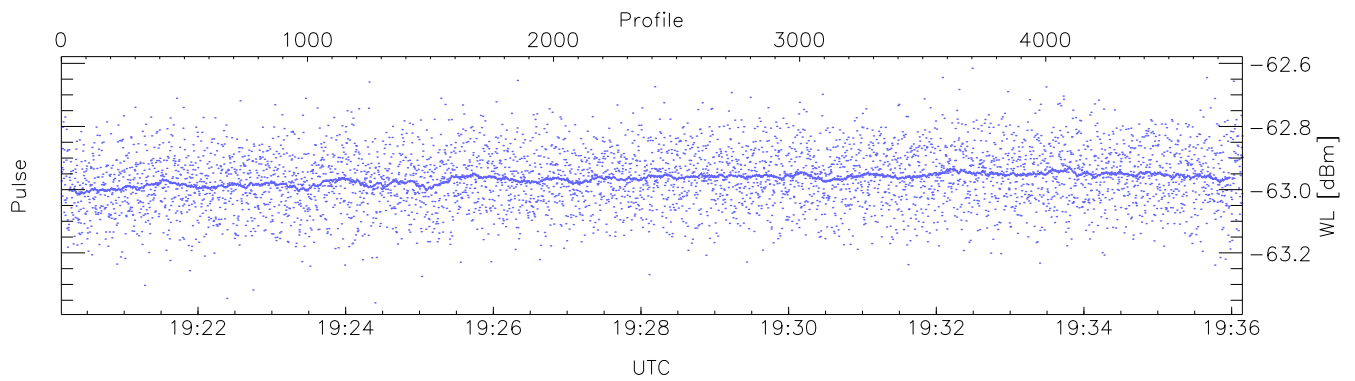
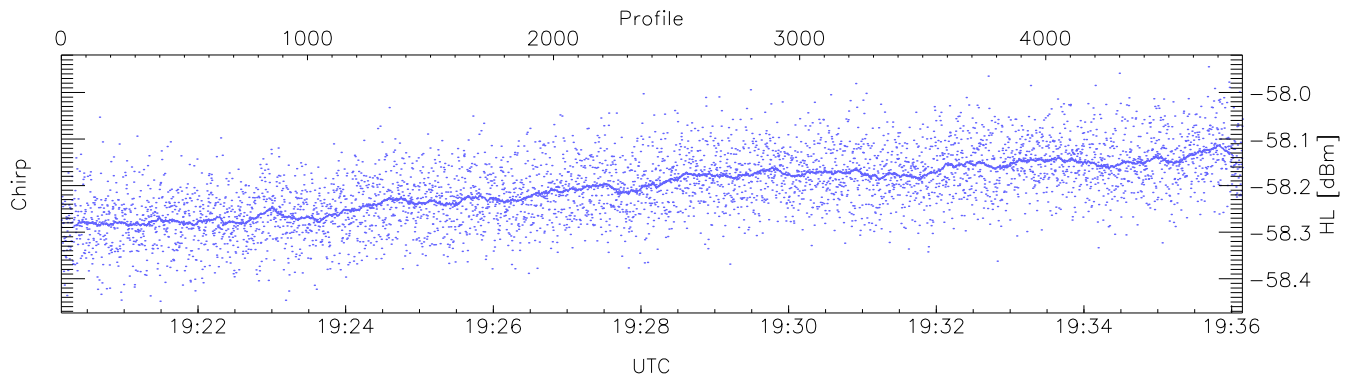
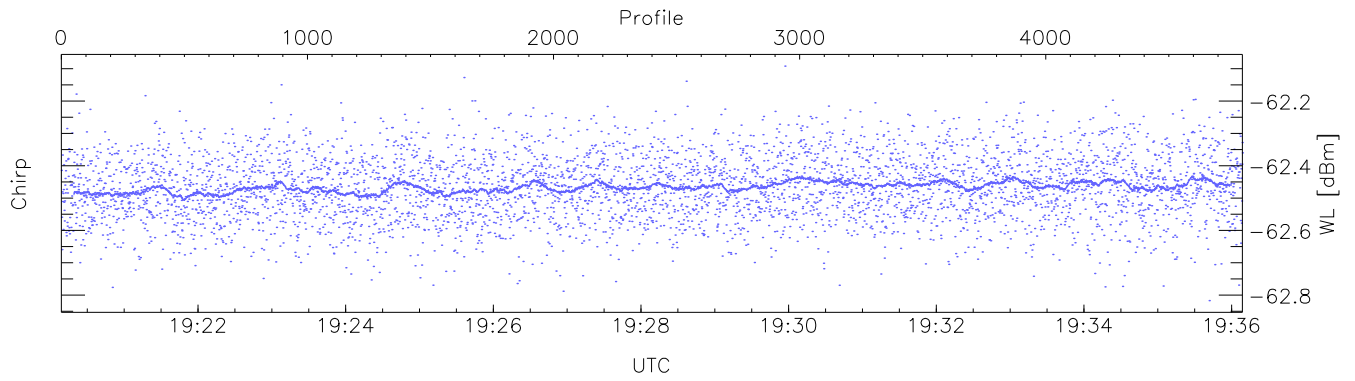
temperature:	NS,	LO,	Tx,	RM,	LNA,	Head,	Ant
mintempC:	21.6,	23.1,	25.9,	19.0,	23.2,	-5.3,	12.8
maxtempC:	25.9,	28.2,	27.6,	25.4,	26.7,	1.2,	16.0
meantempC:	23.5,	25.6,	26.9,	21.9,	24.8,	-4.1,	14.3

PwrSply:	28,	12,	8,	5 VDC
minVDC:	25.70,	11.68,	7.87,	5.21
maxVDC:	27.80,	11.73,	7.90,	5.23
meanVDC:	27.01,	11.71,	7.88,	5.23

PLO(3.84,15.84 GHz) unlocked: None

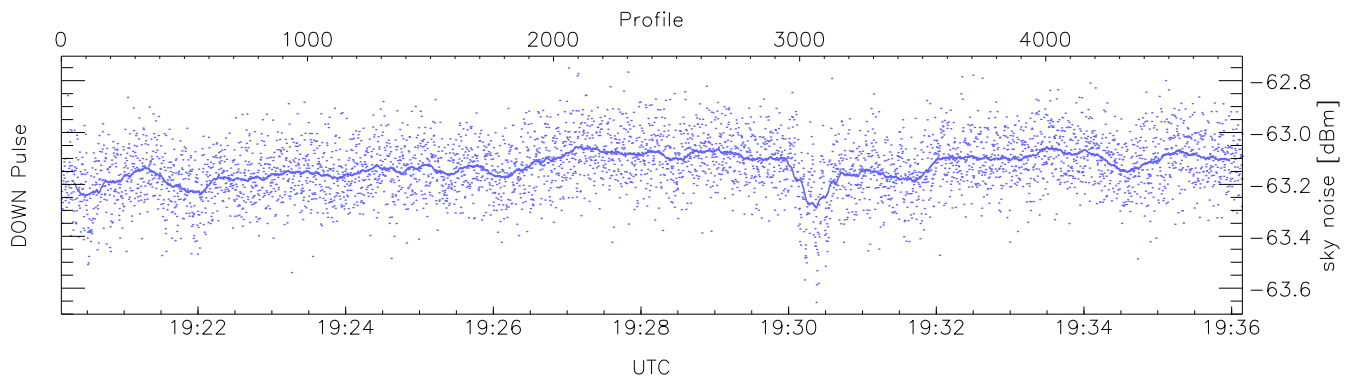
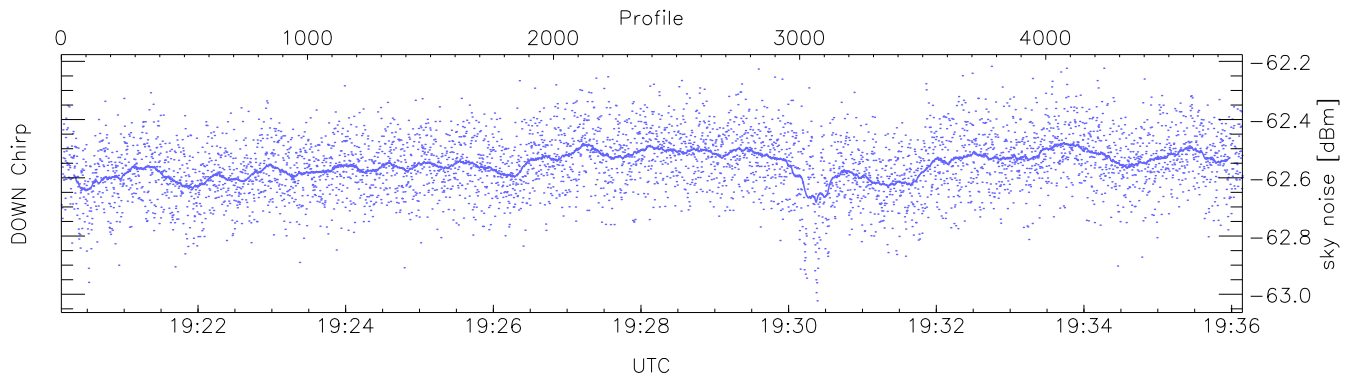
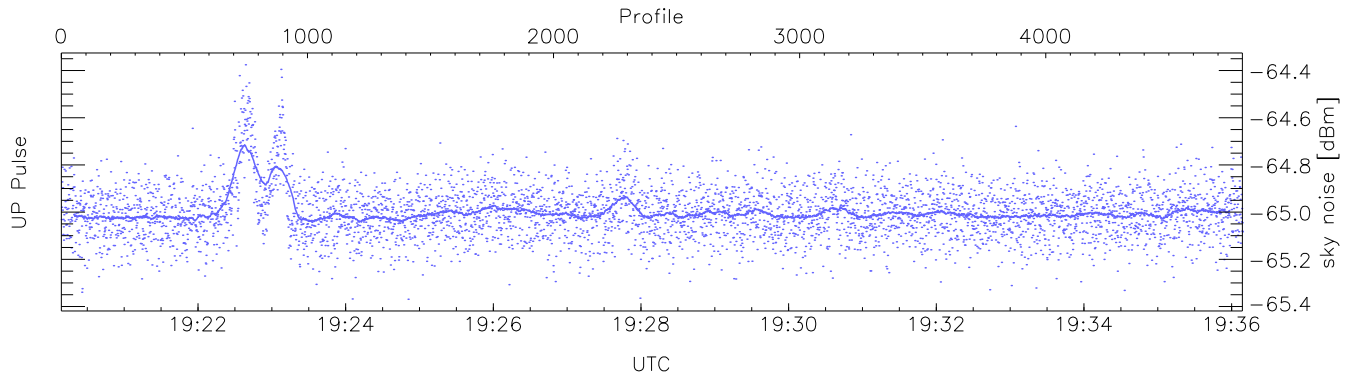
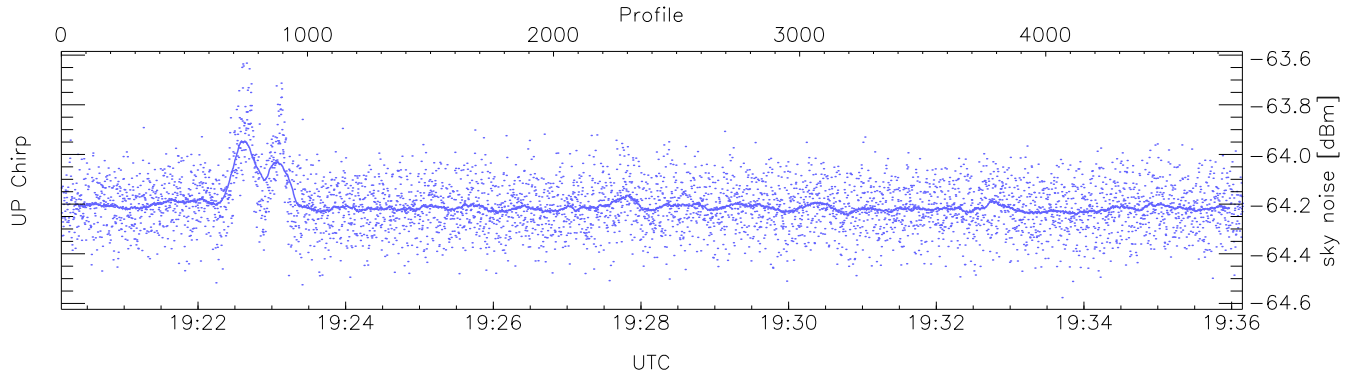


KPR SPP Receiver Gain and Noise Figure



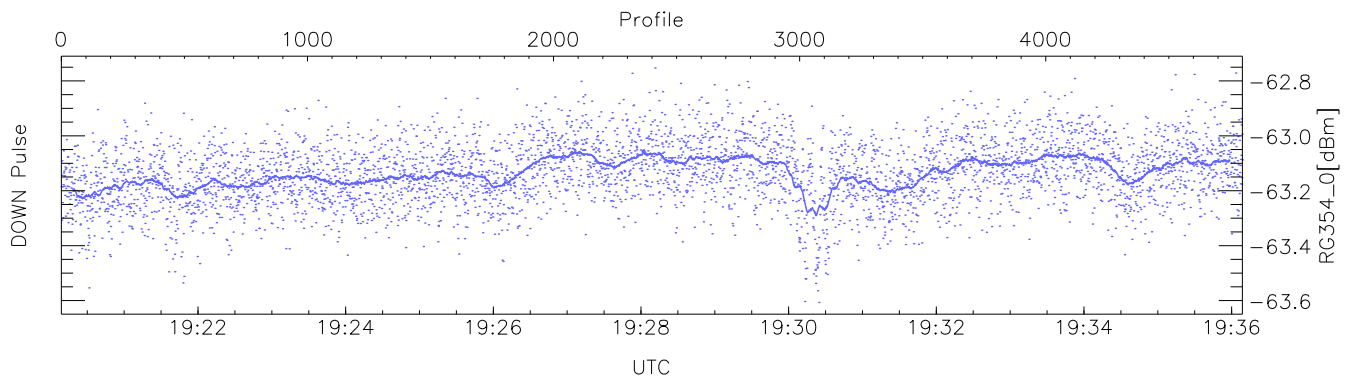
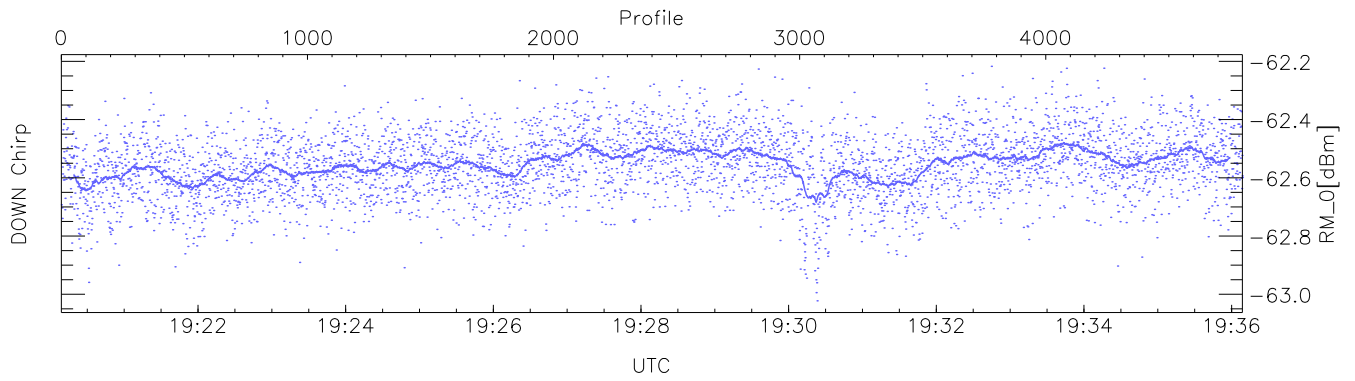
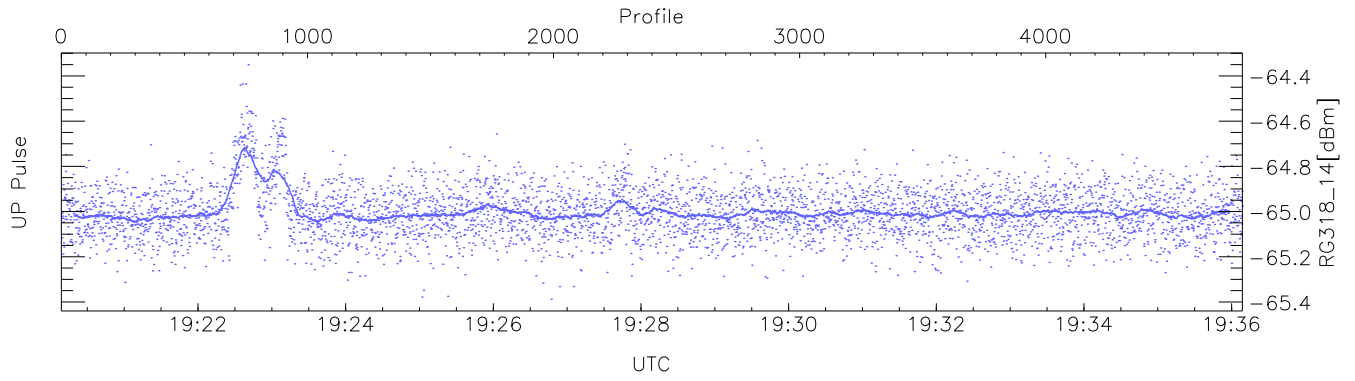
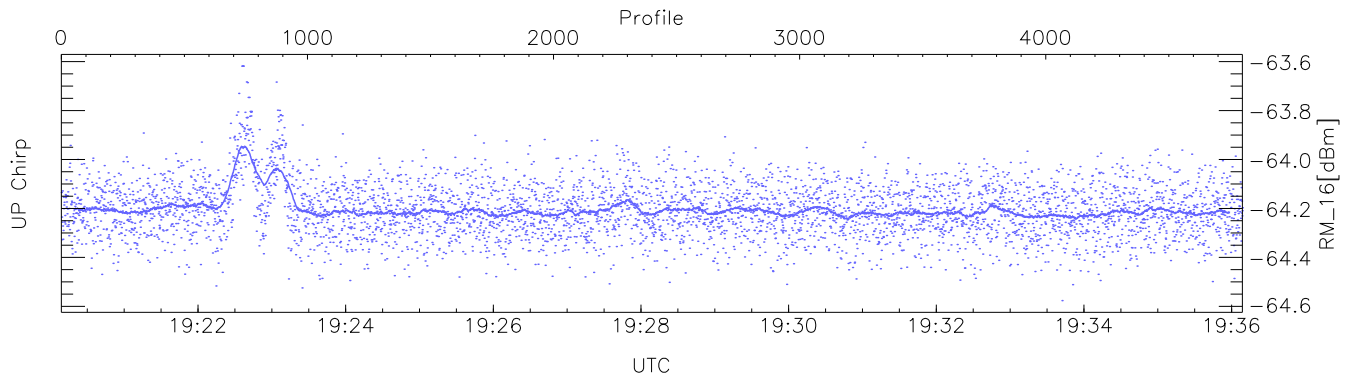
KPR SPP Receiver Noise Source Warm and Hot Measurements

	Min	Max	Mean	Median	StDev
Chirp(WL [dBm])	-62.82	-62.09	-62.47	-62.47	-78.95
Chirp(HL [dBm])	-58.45	-57.94	-58.20	-58.20	-75.67
Pulse(WL [dBm])	-63.36	-62.62	-62.97	-62.97	-79.49
Pulse(HL [dBm])	-60.20	-59.66	-59.93	-59.93	-77.16



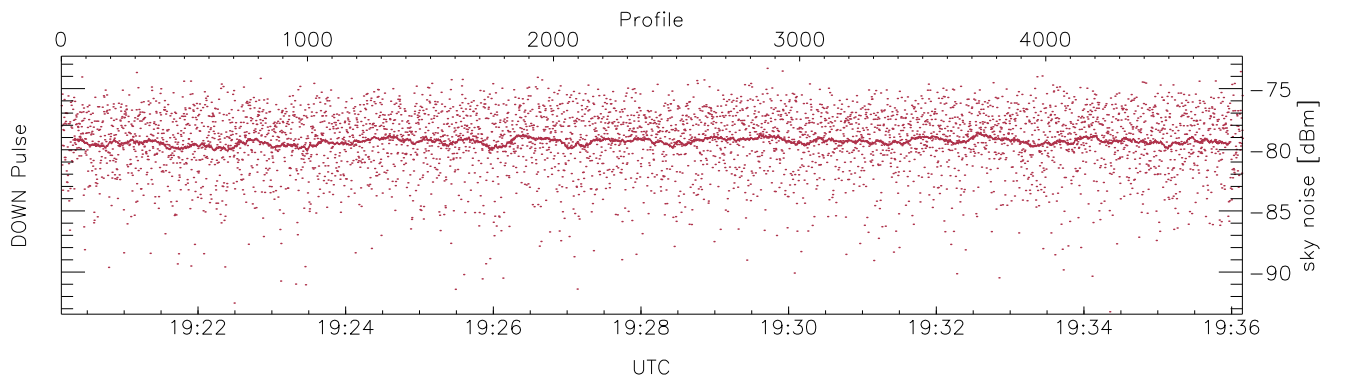
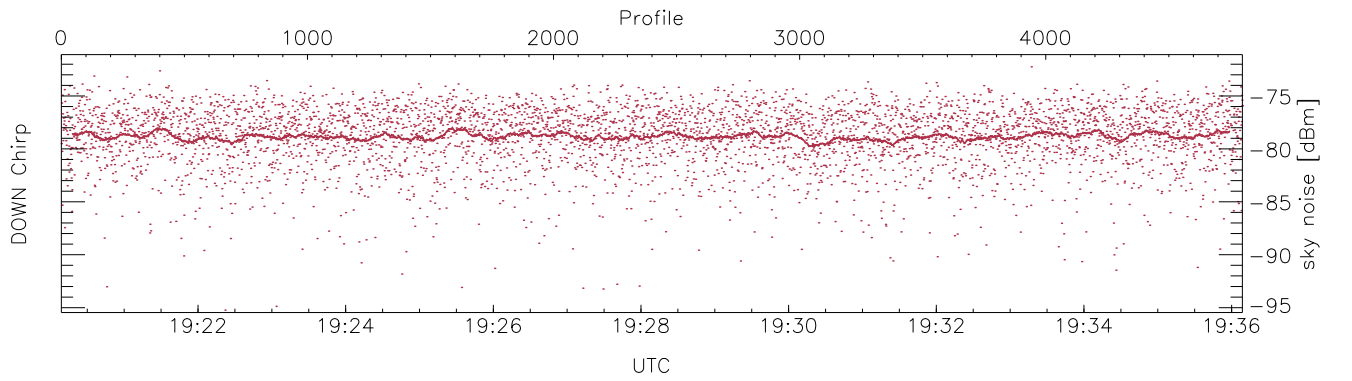
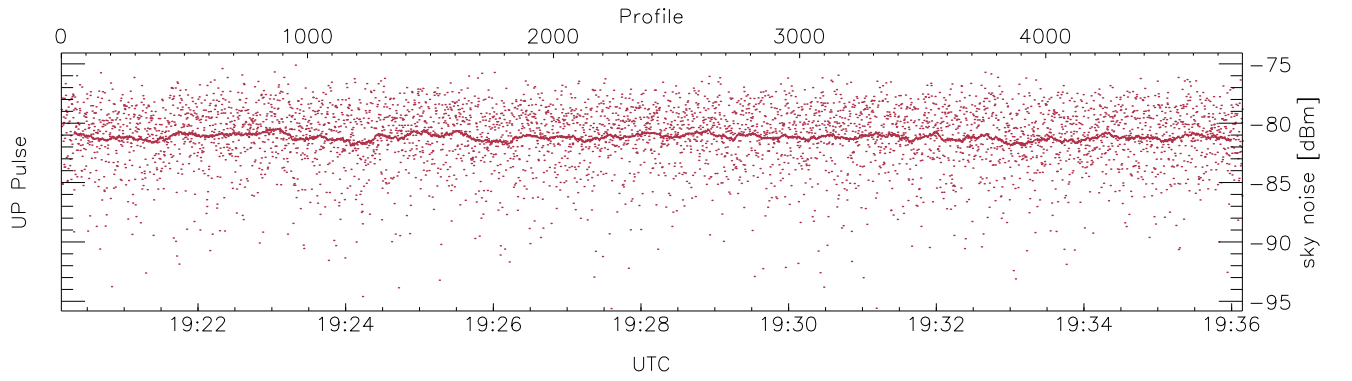
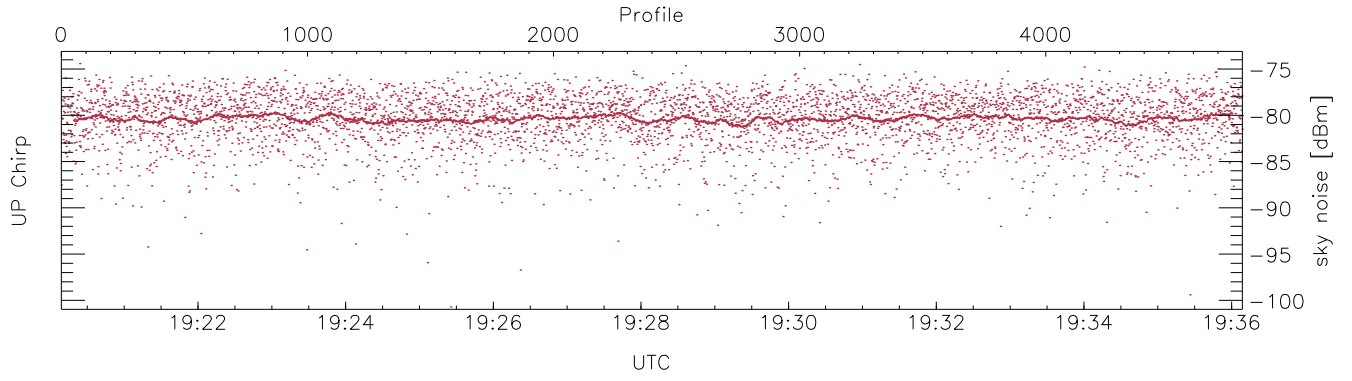
KPR SPP Last range gate power measurements: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-64.58	-63.63	-64.20	-64.21	-80.07
UP Pulse(dBm)	-65.37	-64.38	-65.00	-65.00	-80.80
DOWN Chirp(dBm)	-63.02	-62.22	-62.55	-62.55	-78.62
DOWN Pulse(dBm)	-63.66	-62.75	-63.13	-63.13	-78.98



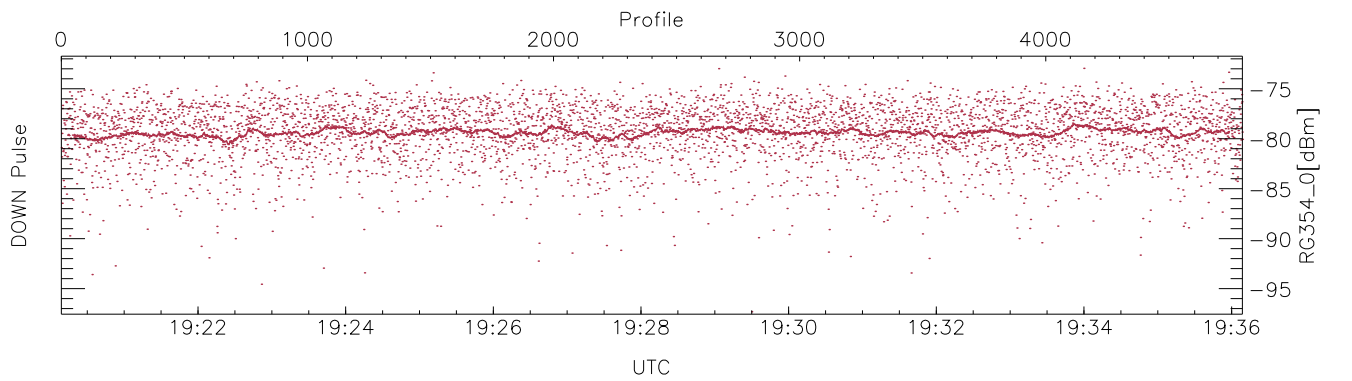
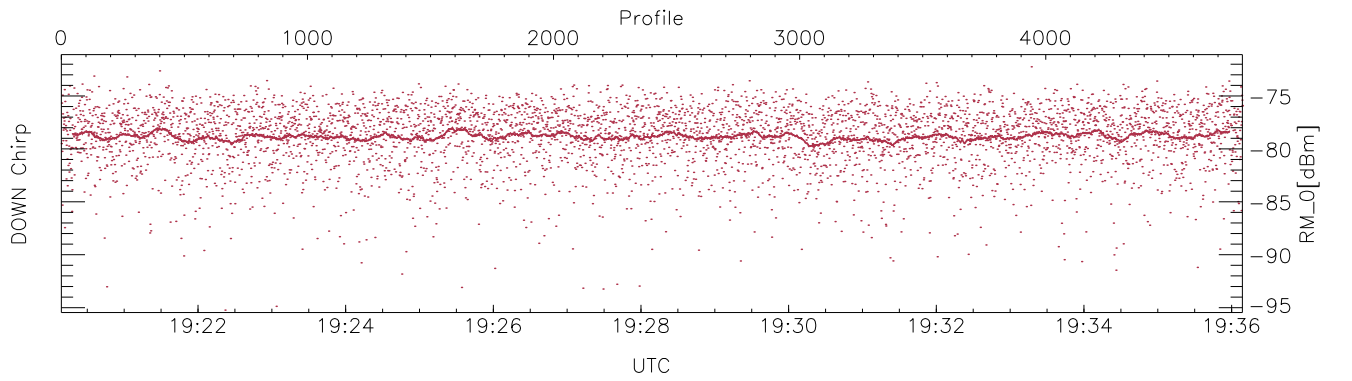
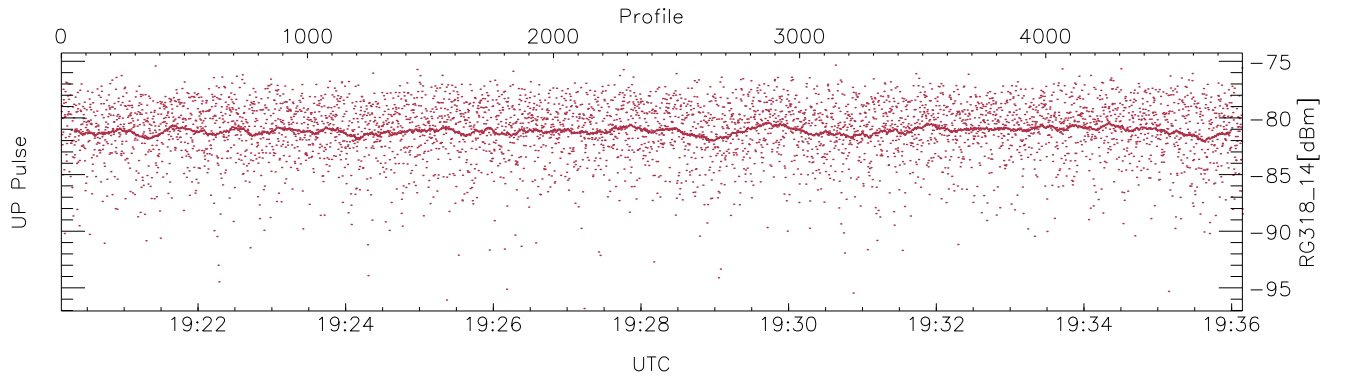
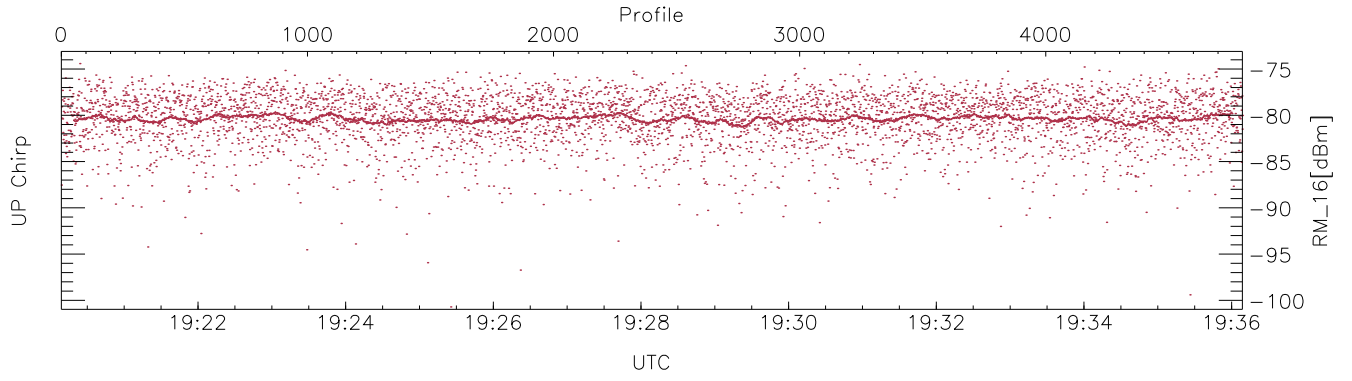
KPR SPP "Best" noise power measurements (dBm):

	Min	Max	Mean	Median	StDev
UP_C_RM_16	-64.58	-63.62	-64.20	-64.21	-80.09
UP_P_RG318_14	-65.39	-64.35	-65.00	-65.01	-80.81
DOWN_C_RM_0	-63.02	-62.22	-62.55	-62.55	-78.62
DOWN_P_RG354_0	-63.61	-62.75	-63.13	-63.13	-78.99



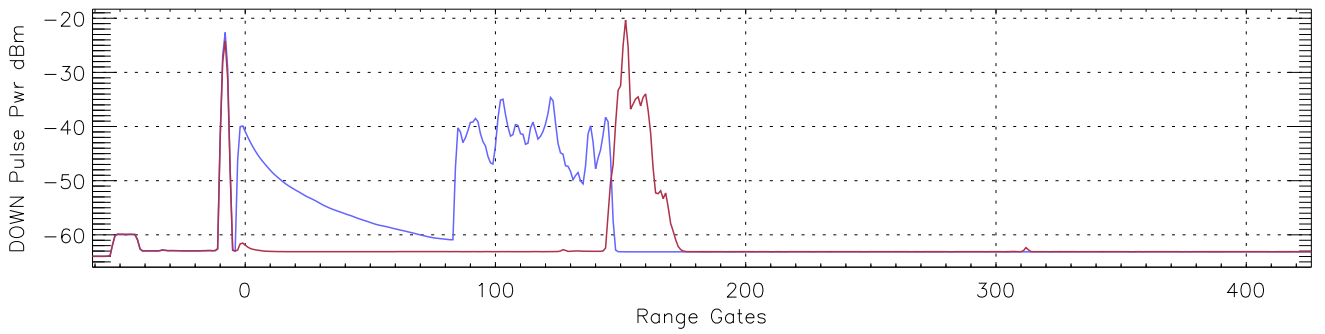
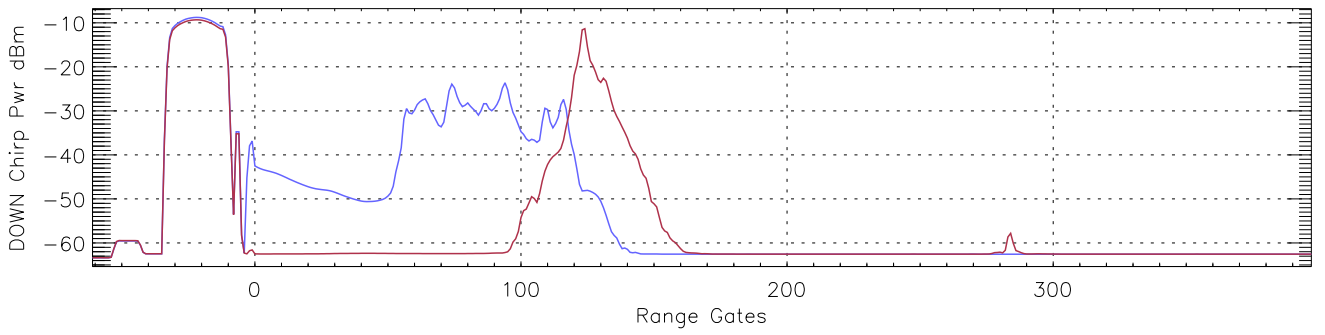
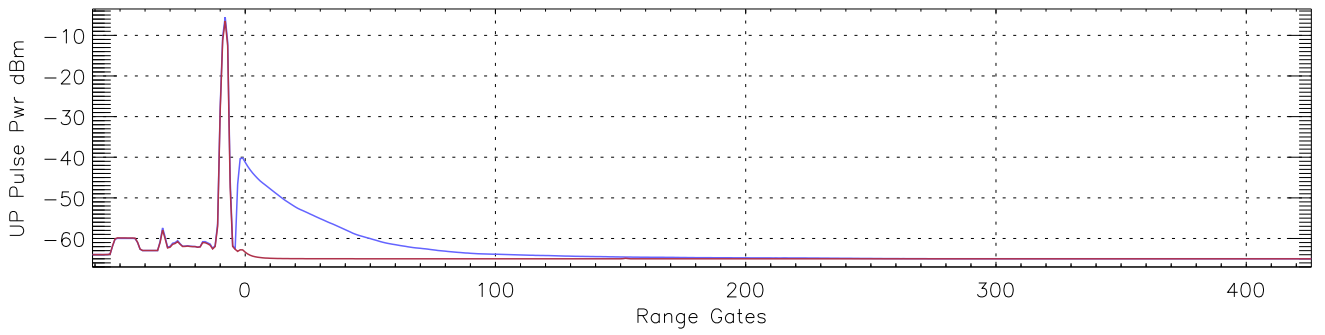
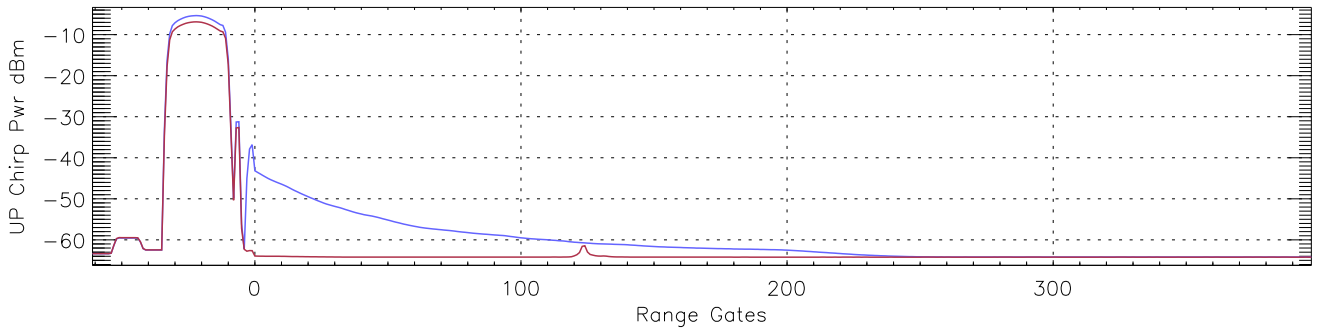
KPR SPP Last range gate PPMAG: assumed RM(sky) noise

	Min	Max	Mean	Median	StDev
UP Chirp(dBm)	-100.71	-74.41	-79.69	-79.97	-82.54
UP Pulse(dBm)	-95.61	-75.11	-80.46	-80.73	-83.31
DOWN Chirp(dBm)	-95.23	-72.24	-78.10	-78.35	-80.91
DOWN Pulse(dBm)	-93.25	-73.35	-78.64	-78.89	-81.52

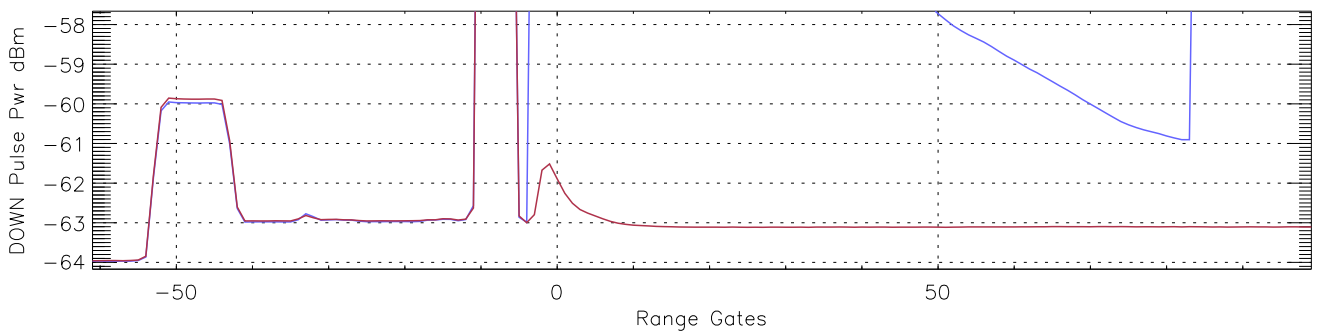
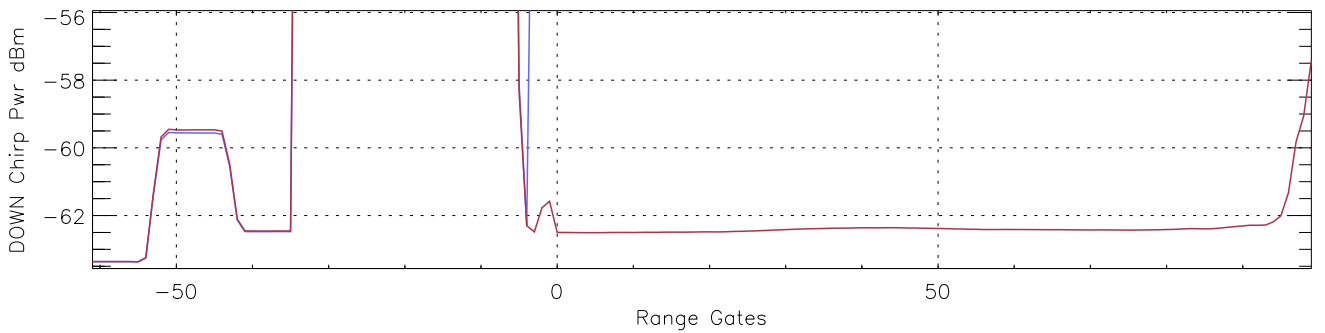
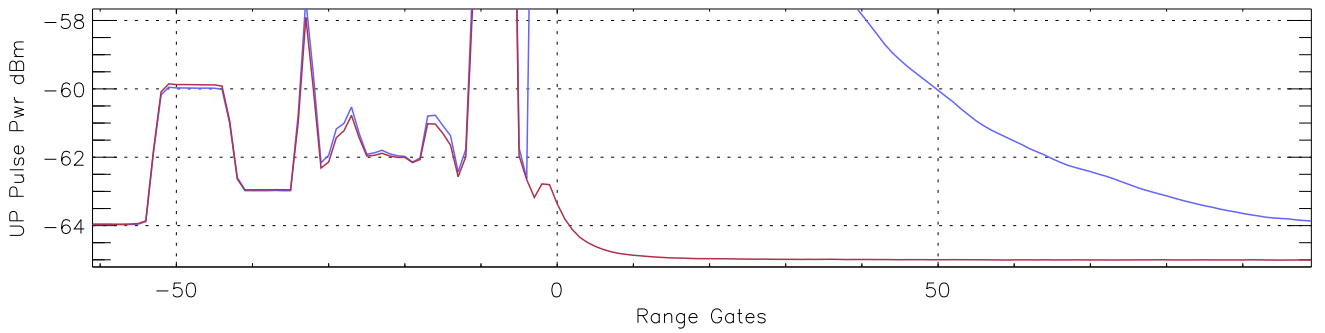
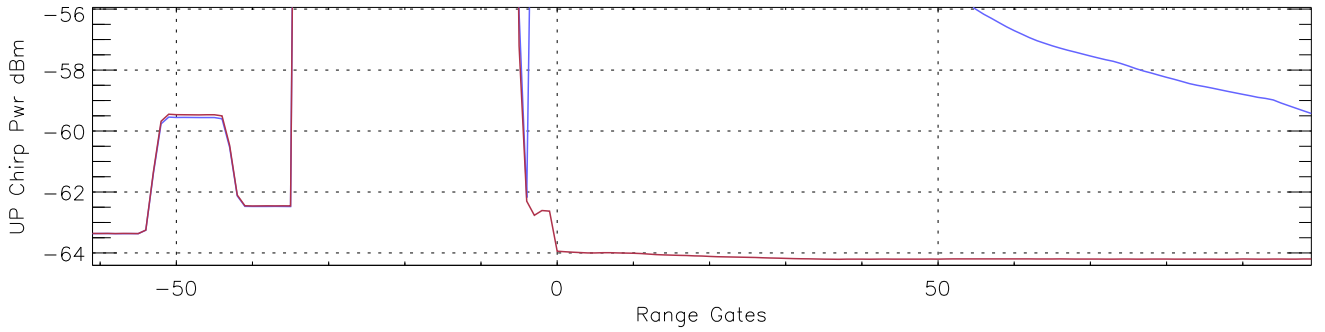


KPR SPP "Best" PPMAG noise (dBm):

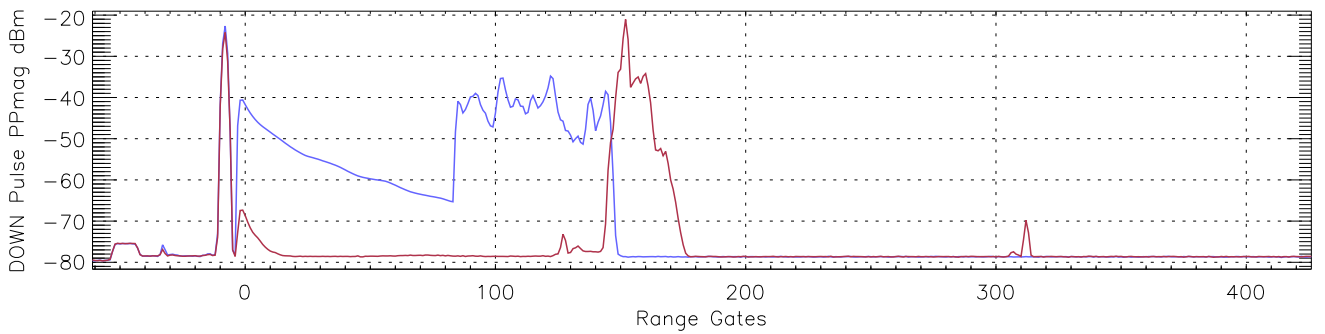
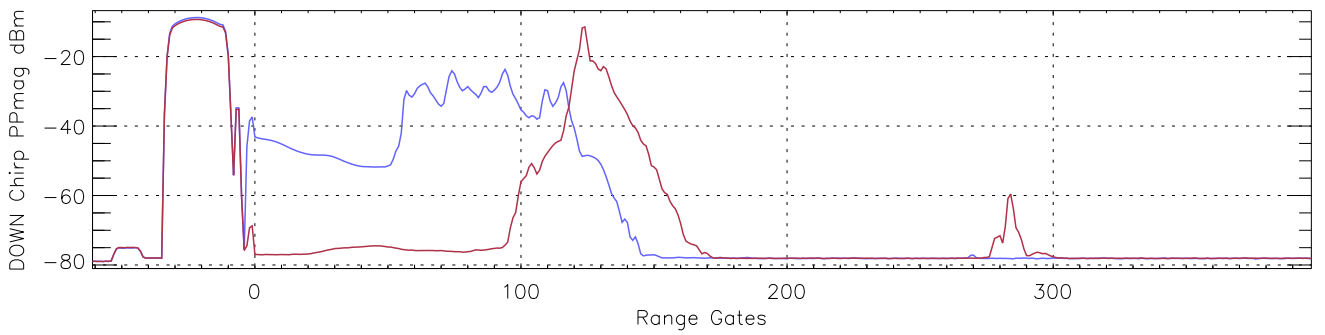
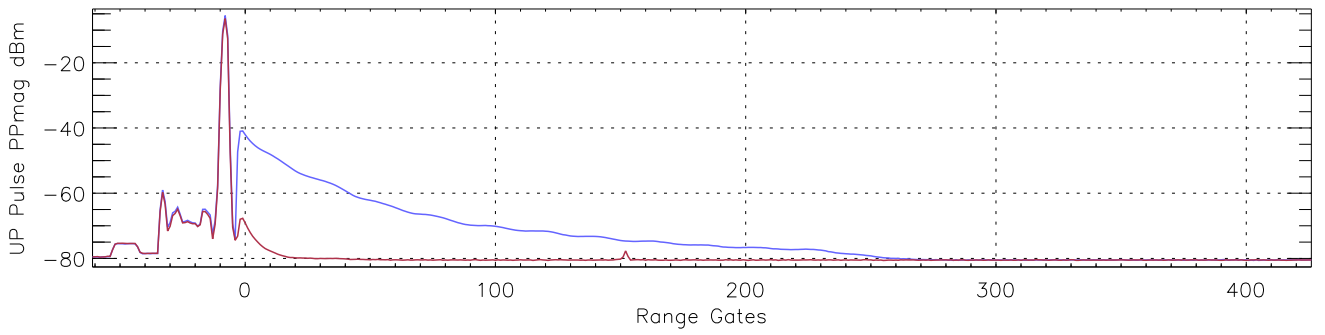
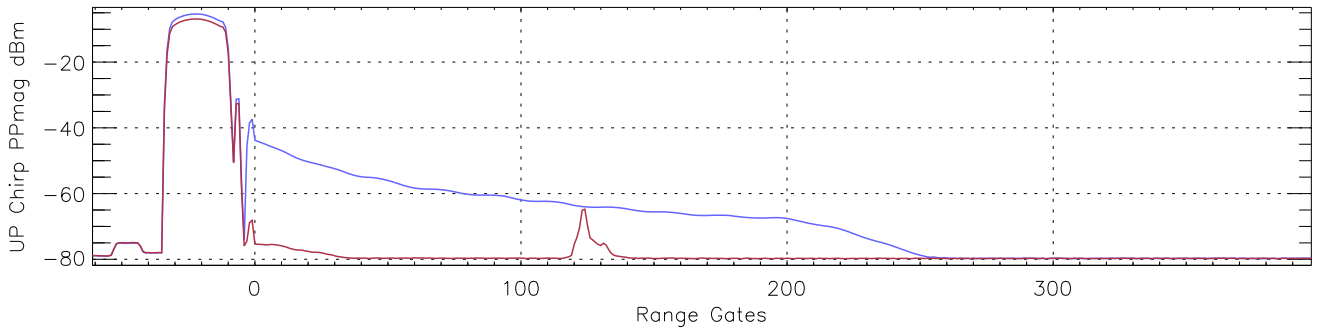
	Min	Max	Mean	Median	StDev
UP_C_RM_16	-100.71	-74.41	-79.69	-79.97	-82.54
UP_P_RG318_14	-96.82	-75.34	-80.48	-80.73	-83.34
DOWN_C_RM_0	-95.23	-72.24	-78.10	-78.35	-80.91
DOWN_P_RG354_0	-97.32	-72.96	-78.66	-78.95	-81.42



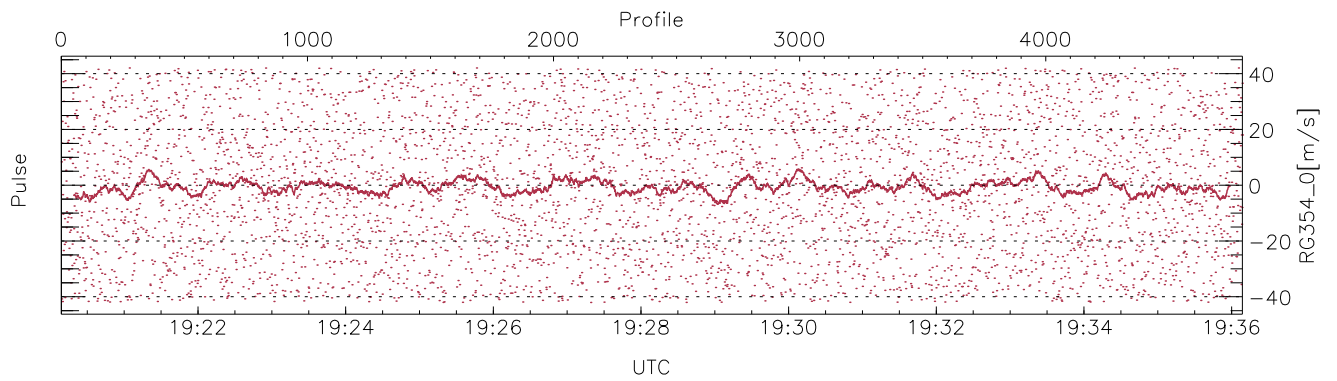
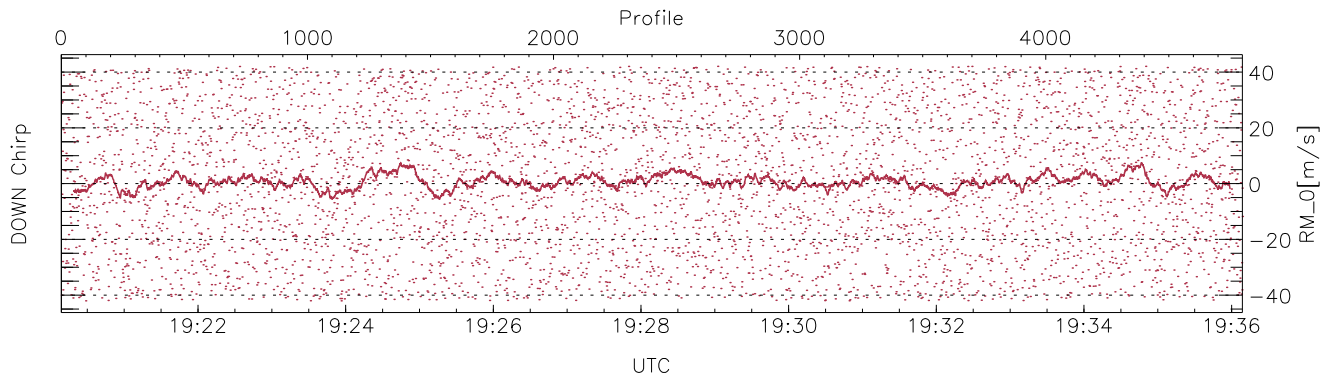
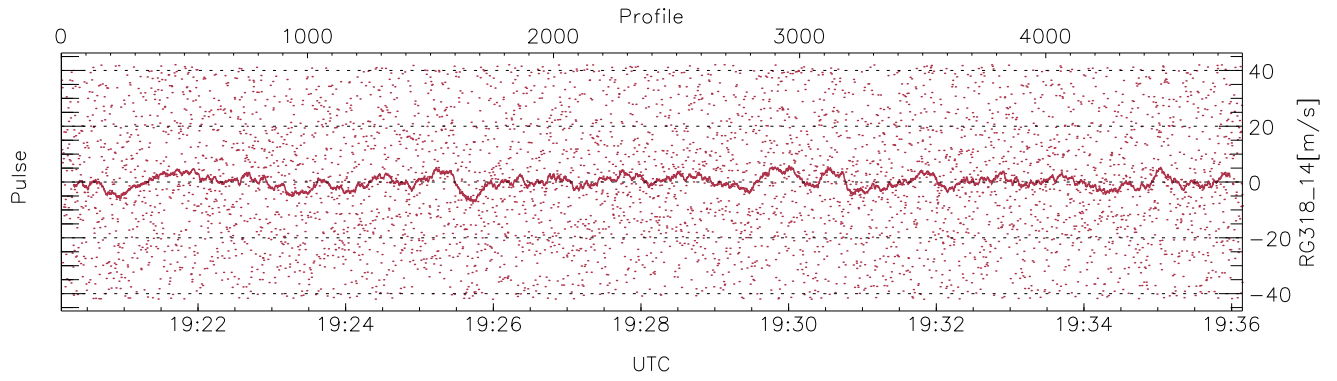
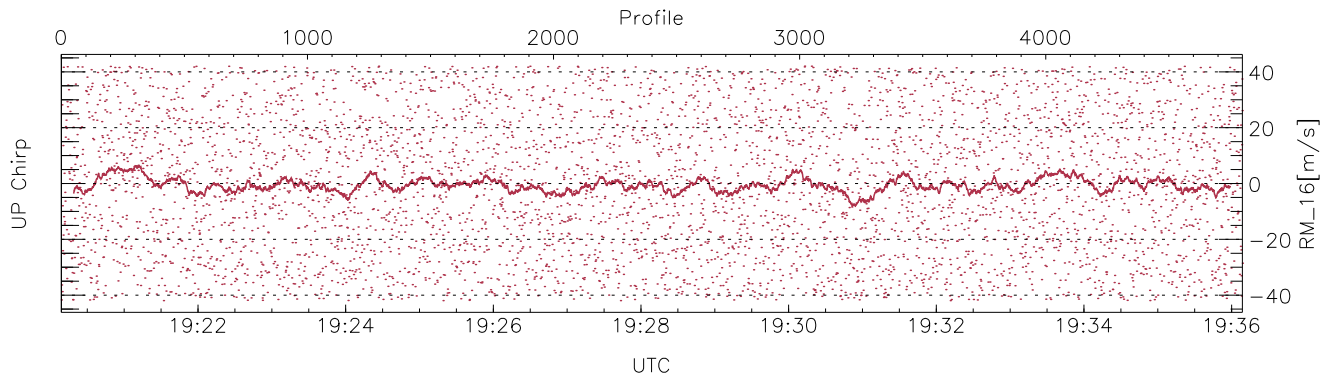
KPR SPP Averaged Received power for all recorded gates
blue: 192009-192808, 2401 profiles averaged
red: 192808-193609, 2400 profiles averaged



KPR SPP Averaged Power for neg. gates & up to 100 gates
blue: 192009-192808, 2401 profiles averaged
red: 192808-193609, 2400 profiles averaged

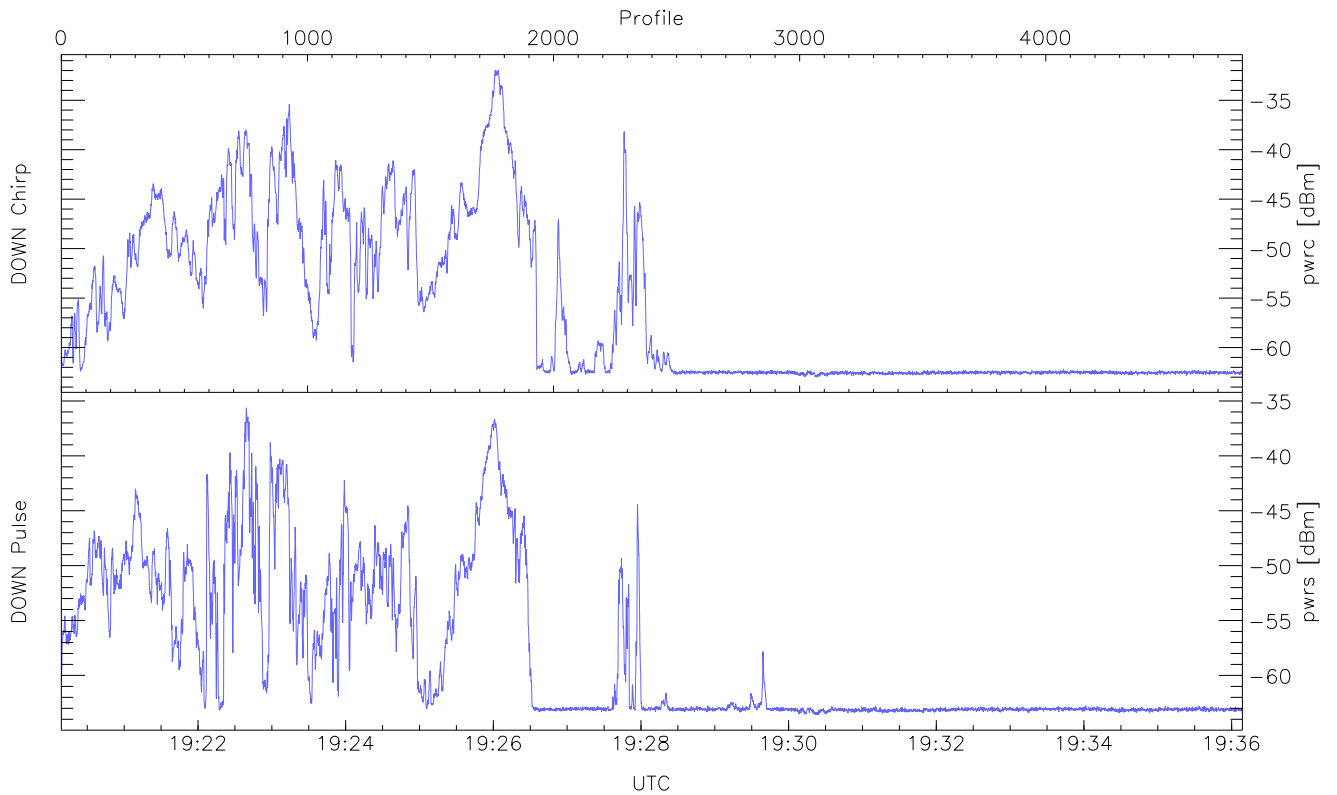
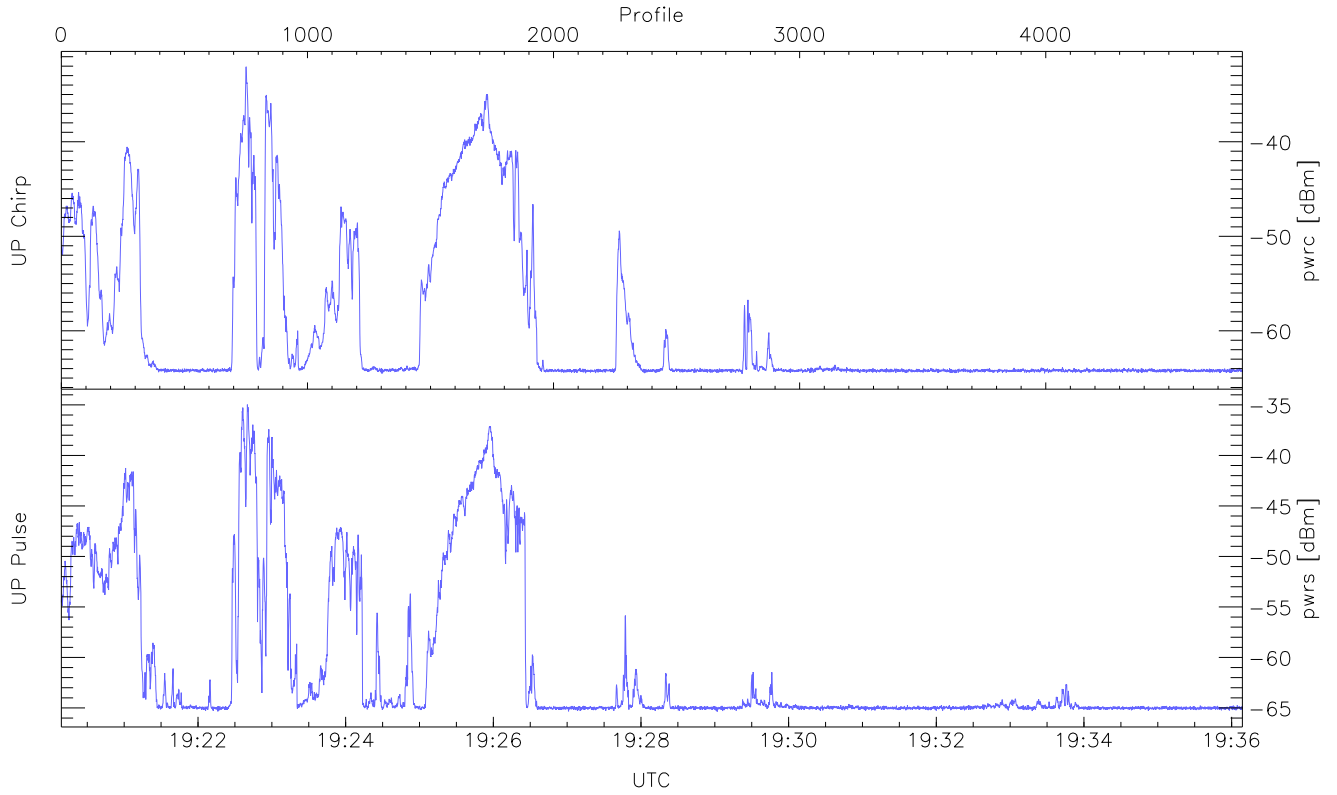


KPR SPP Averaged PP magnitude for all recorded gates
blue: 192009-192808, 2401 profiles averaged
red: 192808-193609, 2400 profiles averaged



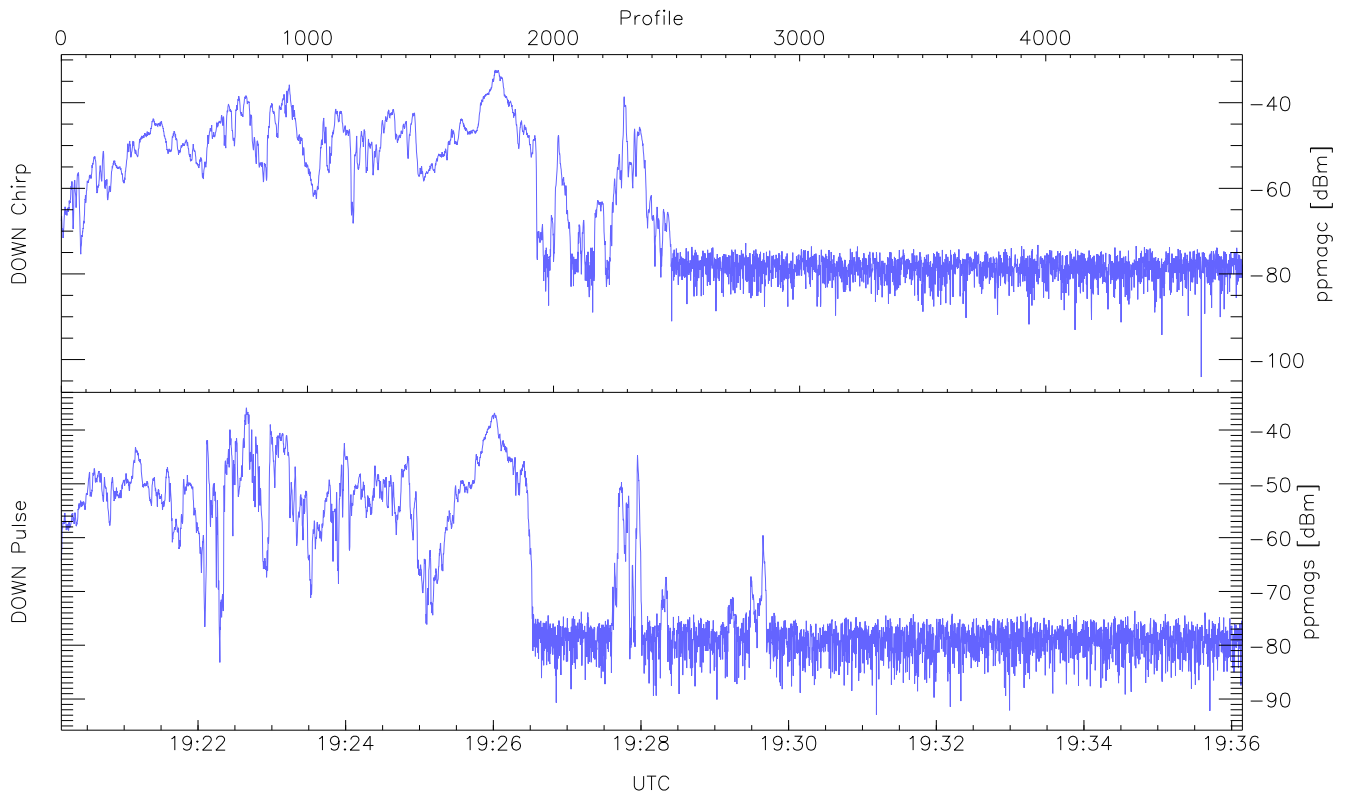
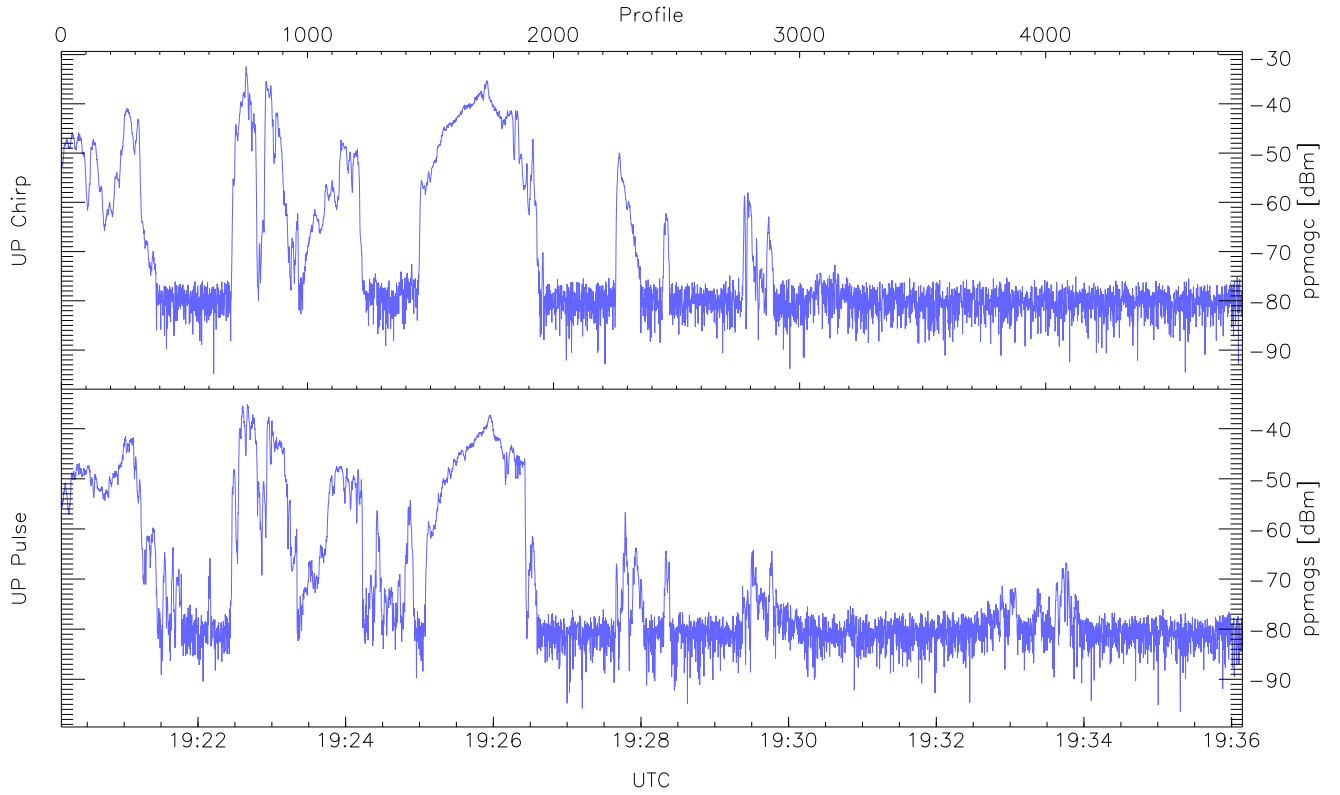
KPR SPP "Best" PPVEL noise (m/s):

	Min	Max	Mean	Median	StDev
UP_C_RM_16	-41.96	42.05	-0.63	-0.95	24.25
UP_P_RG318_14	-42.01	42.05	0.03	-0.46	22.71
DOWN_C_RM_0	-42.05	42.06	0.56	0.67	24.47
DOWN_P_RG354_0	-42.05	42.06	-0.70	-0.76	23.50



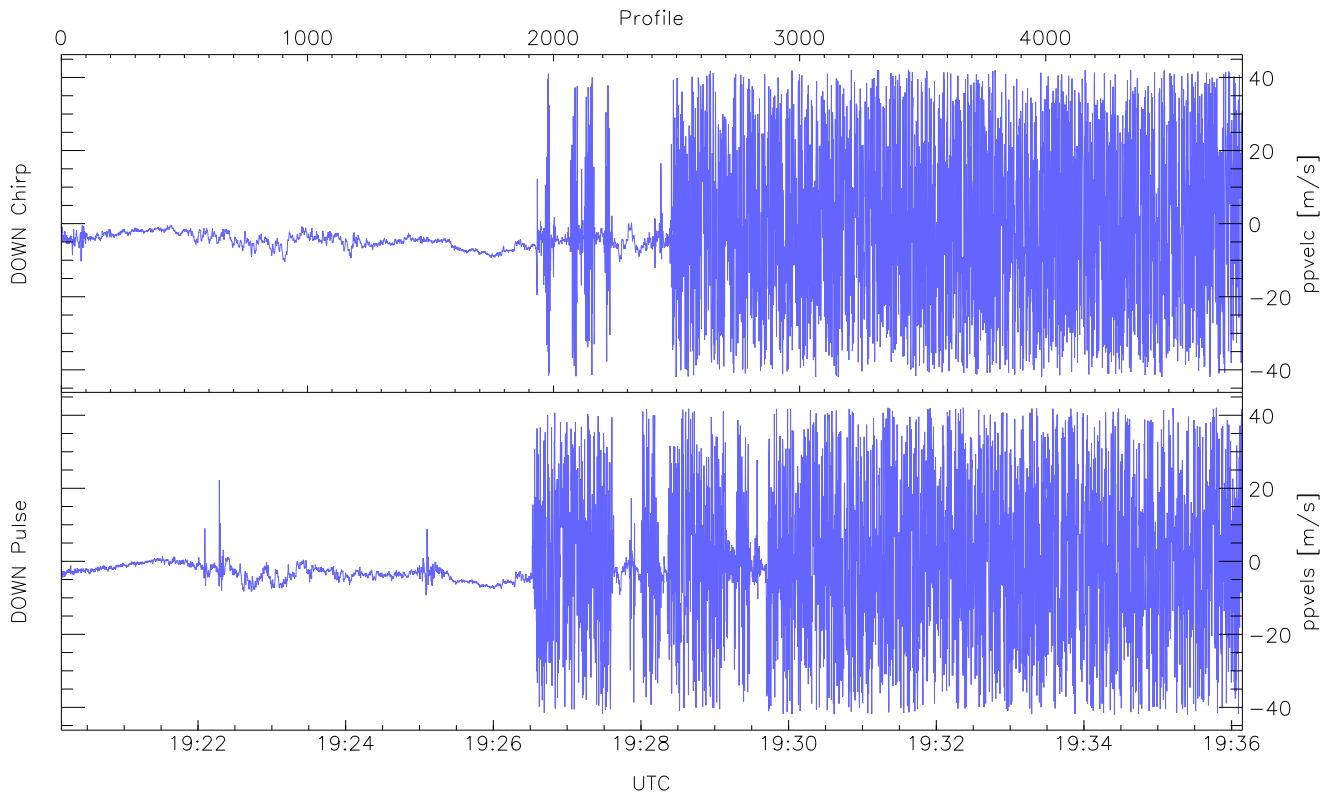
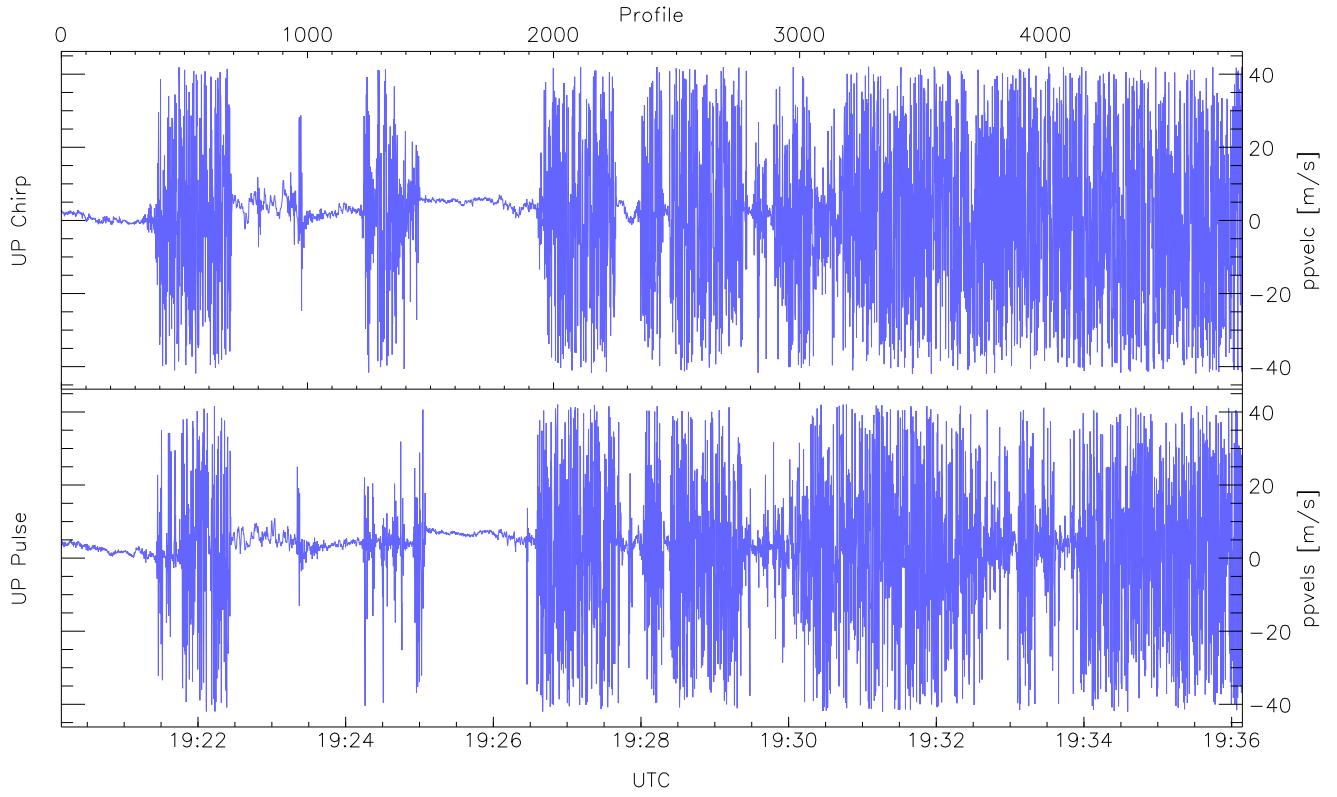
KPR SPP Received Power for Chirp Range gate 10 (686.2 m)
 KPR SPP Received Power for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-64.56	-32.06	-49.35
UP Pulse(dBm)	-65.36	-34.96	-50.71
DOWN Chirp(dBm)	-62.98	-31.94	-47.61
DOWN Pulse(dBm)	-63.59	-35.62	-50.93



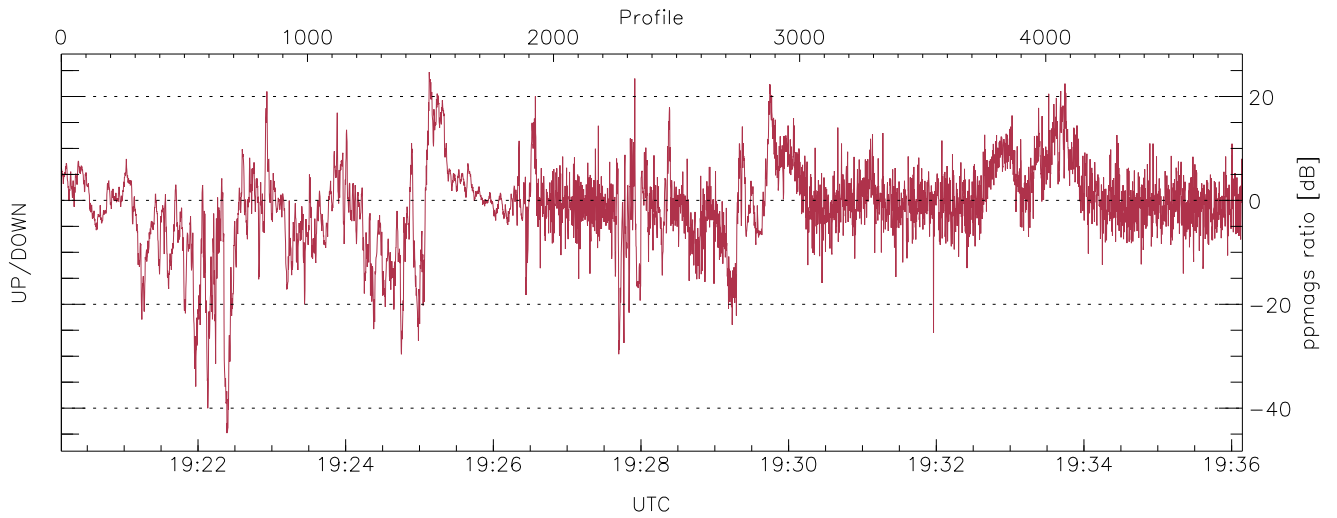
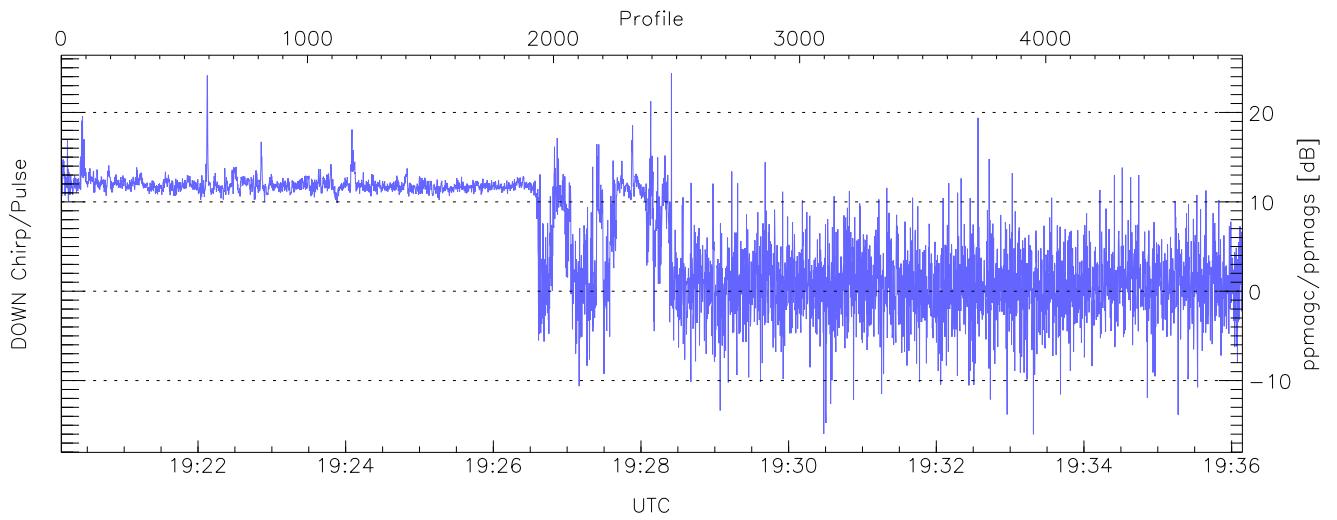
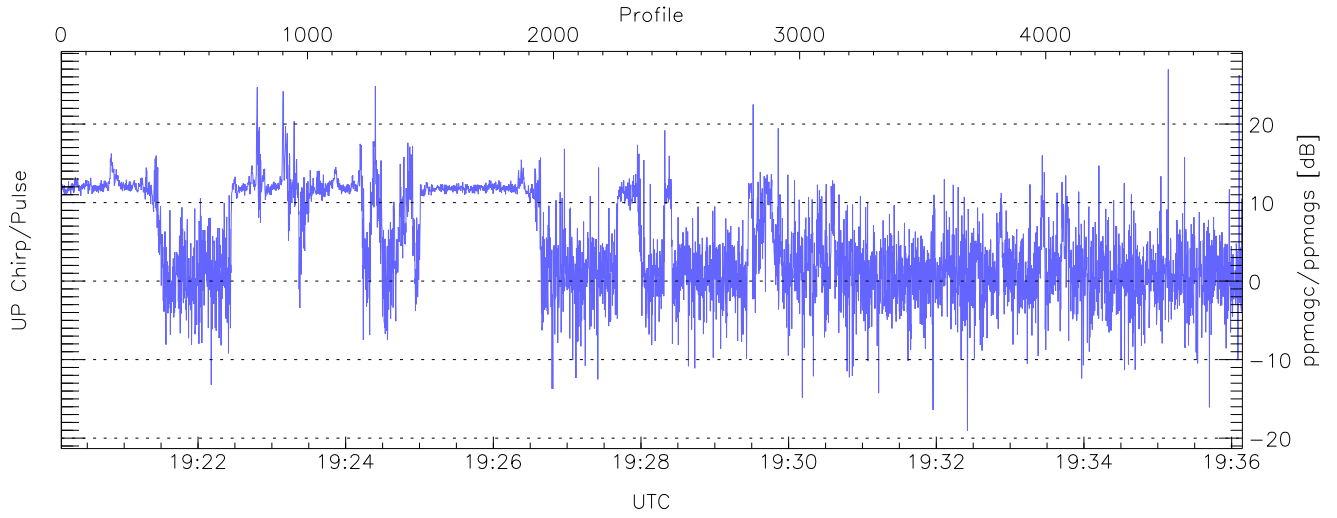
KPR SPP PPMAG for Chirp Range gate 10 (686.2 m)
 KPR SPP PPMAG for Pulse Range gate 10 (270.7 m)

	Min	Max	Mean
UP Chirp(dBm)	-94.82	-32.47	-49.92
UP Pulse(dBm)	-96.44	-35.18	-51.10
DOWN Chirp(dBm)	-104.09	-32.35	-48.18
DOWN Pulse(dBm)	-92.93	-35.86	-51.42



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)	-41.96	42.03	0.71
UP Pulse(m/s)	-42.00	42.03	2.22
DOWN Chirp(m/s)	-41.96	42.06	-2.33
DOWN Pulse(m/s)	-42.05	42.05	-1.16



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

	Min	Max	Mean
UP Chirp/Pulse(dBm)	-19.03	26.95	8.81
DOWN Chirp/Pulse(dBm)	-16.02	24.39	9.24
UP/DOWN Ratio at Range 135.8 m			
	Min	Max	Mean
UP/DOWN(dB)	-44.81	24.71	5.71