Experimental details for airport transect 1

July 25, 2020

Location: Travelling up Renforth Ave, past centennial park along Rathburn, through the Etobicoke creek trail under the 401 all the way up to the air port, and past the airport, then back down the trail, along Burnhamthorpe and through Bloordale park. Details below.

Testing: Observing CO2, particles, and (maybe?) Ozone during the coronavirus lockdown, which caused there to be very few flights.

Experimental Layout: The monitors were set up in the basket of a bike, on top of a piece of cloth for cushioning, and strapped in with bungee cords, in such a way that there was free flowing air over all of them. A specific timeline of events follows:

10:20 – exited house to put sensors on bikes

10:25 – started biking

10:30 – noticed ozone screen not working, stopped next to Renforth Ave. while troubleshooting

10:40 – gave up troubleshooting, continued biking

10:47 – descended into Etobicoke Creek trail (a big valley full of conservation efforts, wetlands, etc)

11:00 – arrived at 401. There was active construction going on and the air was visibly dusty.

11:10 – finished passing 401, arrived at airport.

11:17 – crossed a road, and also saw an airplane that had just taken off in the distance, more than 1 km away

11:25 – crossed another road, passed beyond vicinity of airport

11:30 – arrived at another road, paused for 5 minutes, turned around.

11:35 – back in vicinity of airport

11:40 – a plane took off much nearer

12:00 – the sound of 3 flares or fireworks going off (we weren’t sure, it was a weird sound)

12:05 – arrived at 401, passed beyond vicinity of airport

12:12 – left 401, continued into creek path

12:18 – stopped for a break next to the creek

12:25 – continued moving

12:35 – left creek path, biked up next to Burnhamthorpe avenue

12:40 – entered Bloordale park path

12:48 – exited Bloordale park

12:50 – went inside house

1:15 – stopped experiment