Table 1. A comparison of ranging behaviors in straight and meandering plumes. The third and fourth columns, P and std dev, are the average and standard deviation of the proportion of mosquitoes finding a host taken over 15 simulations of the same plumes with stochastic mosquito behavior. Each simulation is sufficiently long to ensure that all the mosquitoes either find a host or leave the domain. The "T_{avg}" column is the average number of navigation decisions a mosquito makes before finding a host (average taken over all simulations). The associated standard deviation taken over the *means* of the simulations. The final column recalculates P assuming that the simulation halts after 350 mosquito decisions.

Ranging behavior	plume type	P	std dev	T_{avg}	std dev	truncated P
upwind	straight	22%	1.7%	116	5	22%
	meander	38%	2.5%	159	4	38%
downwind	straight	20%	1.8%	46	9	20%
	meander	39%	1.9%	97	6	38%
crosswind	straight	35%	3.5%	285	14	27%
	meander	57%	4.2%	569	20	14%