



*Supplement of*

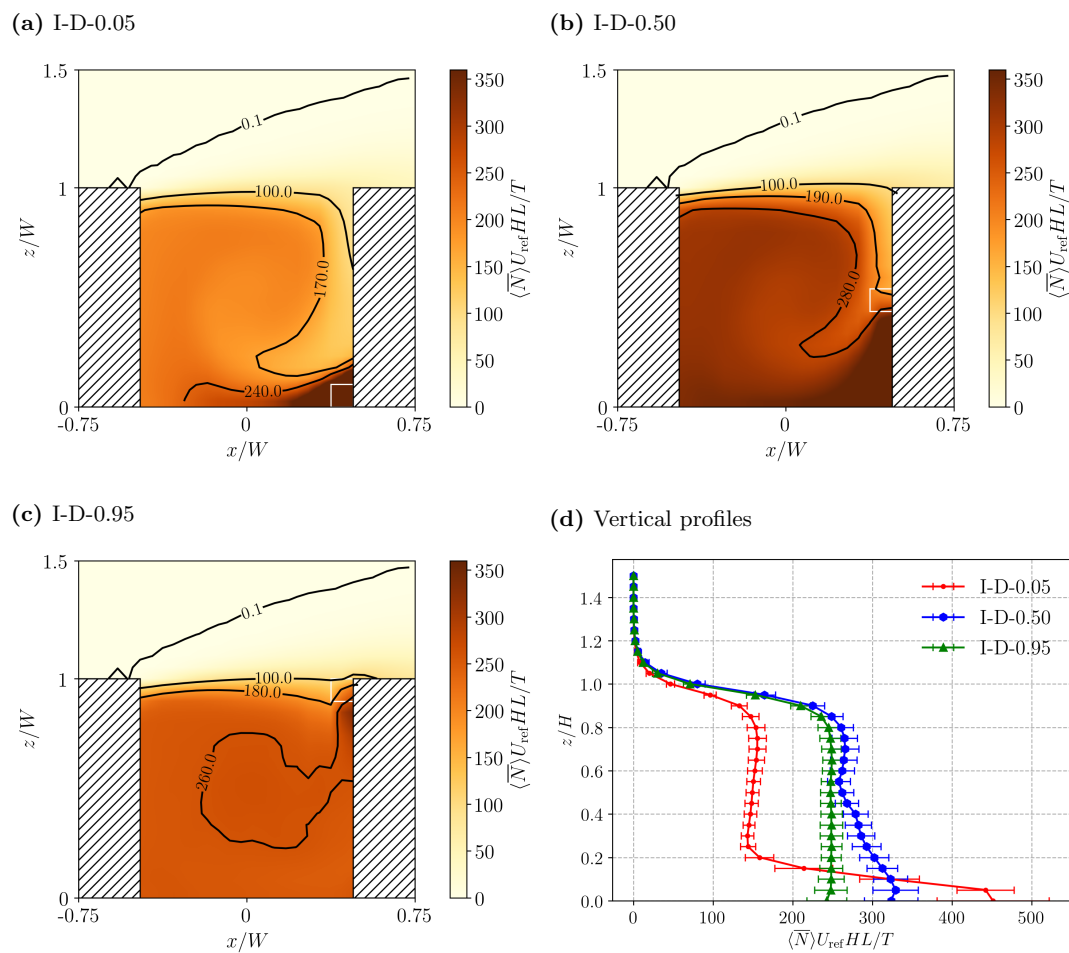
## **Technical note: Dispersion of cooking-generated aerosols from an urban street canyon**

**Shang Gao et al.**

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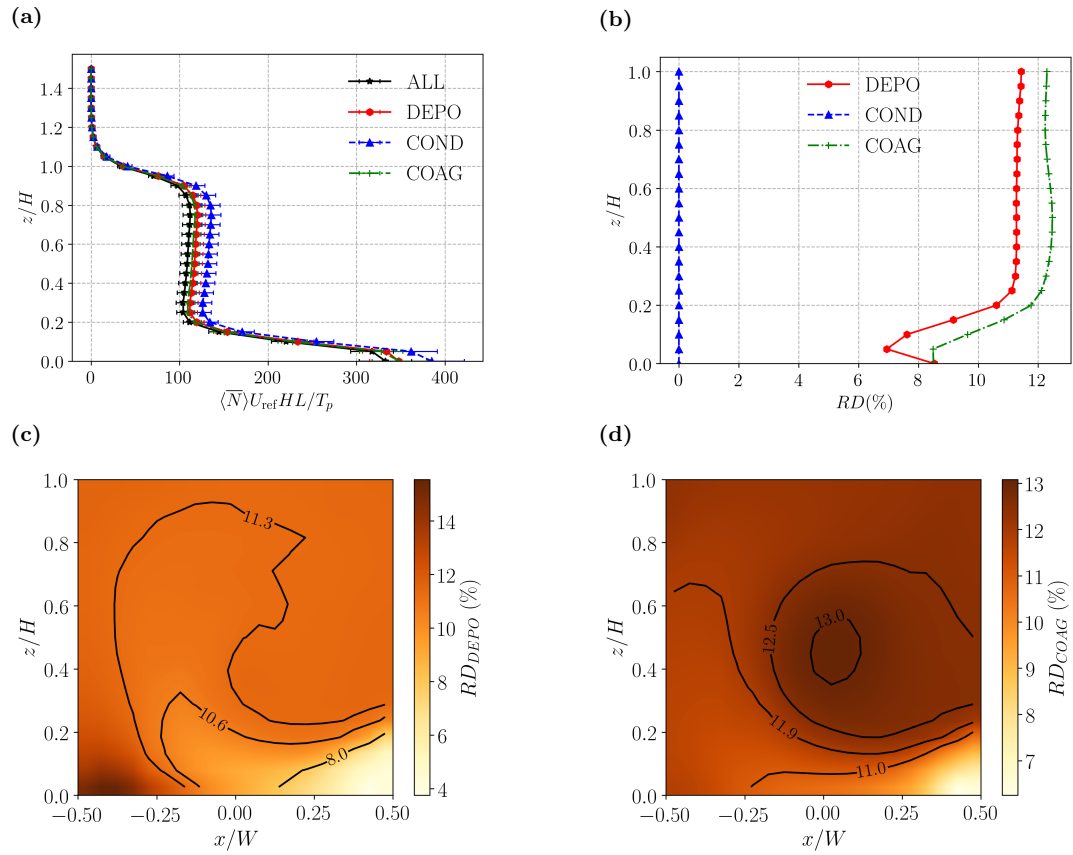
## Supplementary Material



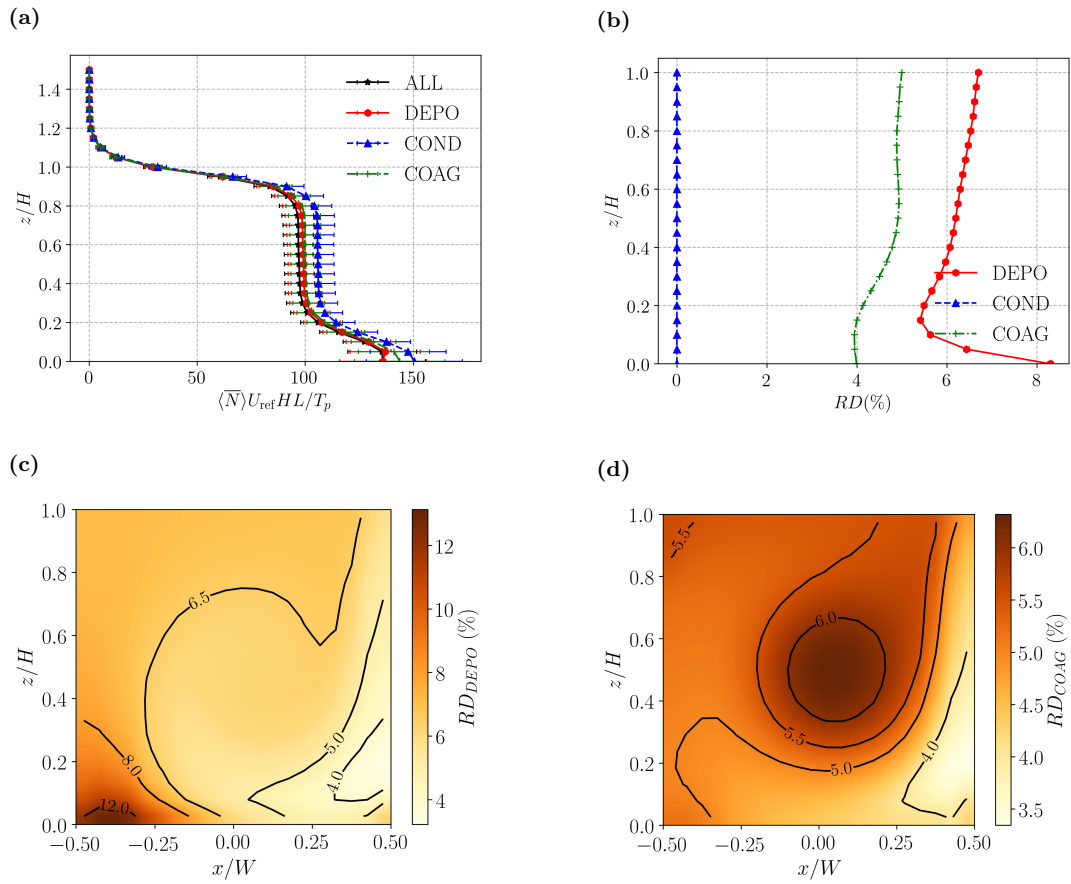
**Figure S-1.** As in Fig. 8, but for isolated kitchens and deep frying.

$\theta$	$\tau_{\text{coag}}/T_c$	$\tau_{\text{depo}}/T_c$
$0^\circ$	3141	0.4
$90^\circ$	1529	0.5

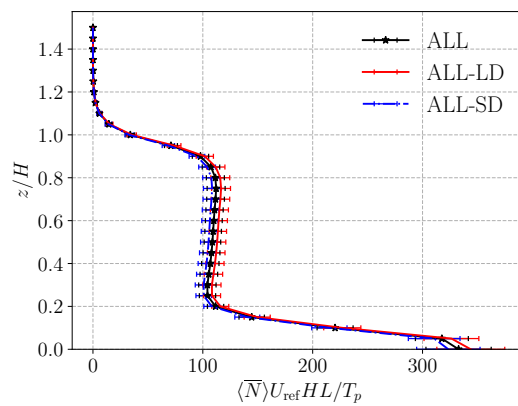
**Table S-1.** Aerosol timescales for  $0^\circ$  and  $90^\circ$ .



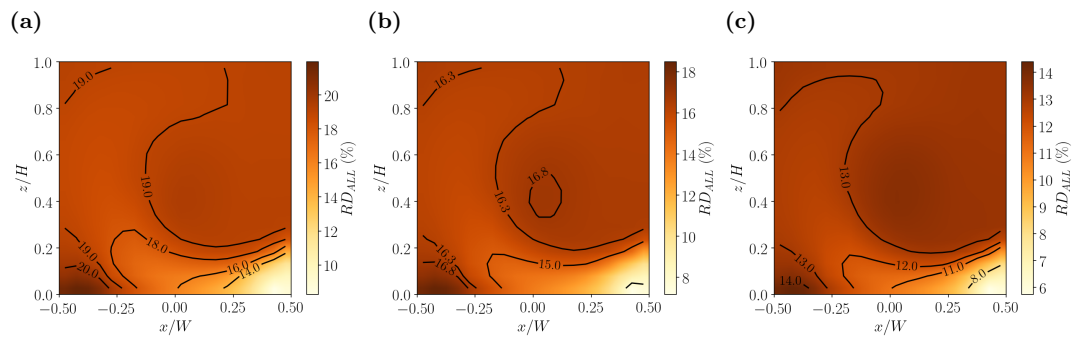
**Figure S-2.** As in Fig. 9, but for Case NG-B.



**Figure S-3.** As in Fig. 9, but for case CO-B.



**Figure S-4.** Vertical profiles of the mean number concentration for emission scenario NG-B and all aerosol processes for the default emission spectrum (ALL); displacement to large scales by a factor of 2 (ALL-LD); and displacement to small scales by a factor of 0.5 (ALL-SD).



**Figure S-5.** Relative difference fields for NG-B: (a) displacement to small scales, SD; (b) default emission spectrum; (c) displacement to large scales, LD.