

Integral model predictions of the Jack Rabbit II 2015 experiments using DRIFT and PHAST

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Over the last year, as part of the Jack Rabbit II Modelers Working Group, HSL has been analyzing data from the Jack Rabbit II 2015 experiments and performing a model validation study on two integral dispersion models: DRIFT and PHAST. This presentation will provide a summary of that work, which will include a comparison of the concentration measurements to predictions using various sub-models to investigate the effect of the discharge behavior and droplet rainout. The results will show that the models can provide reasonably good predictions of the chlorine concentrations in the dispersing cloud if rainout is taken into account. An overview of the planned future modeling activities at HSL will also be presented.

Disclaimer

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