

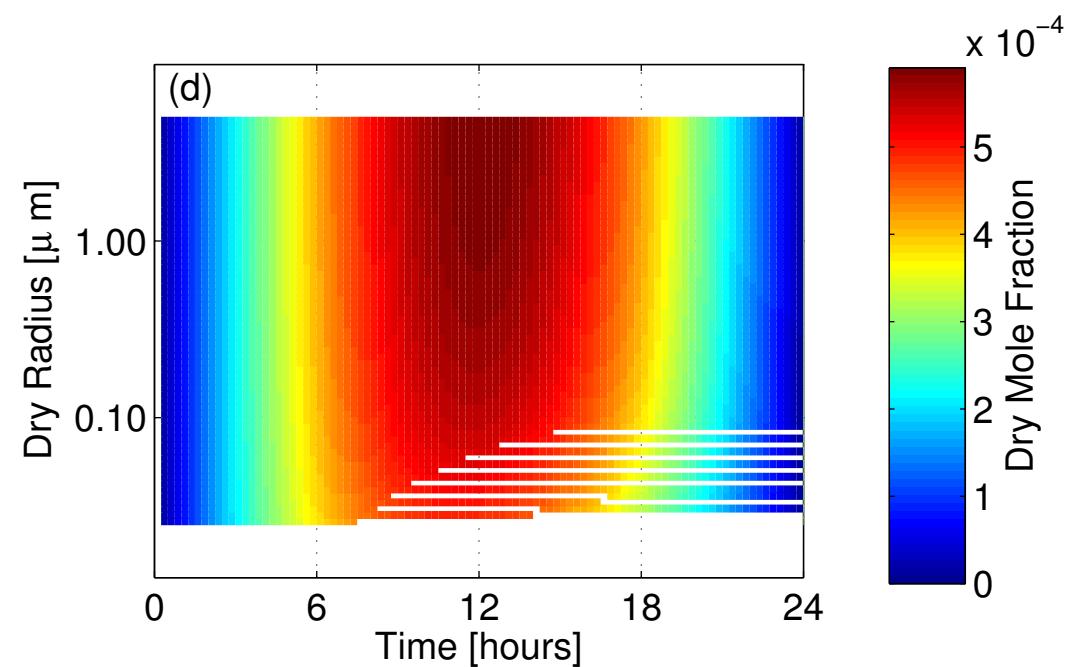
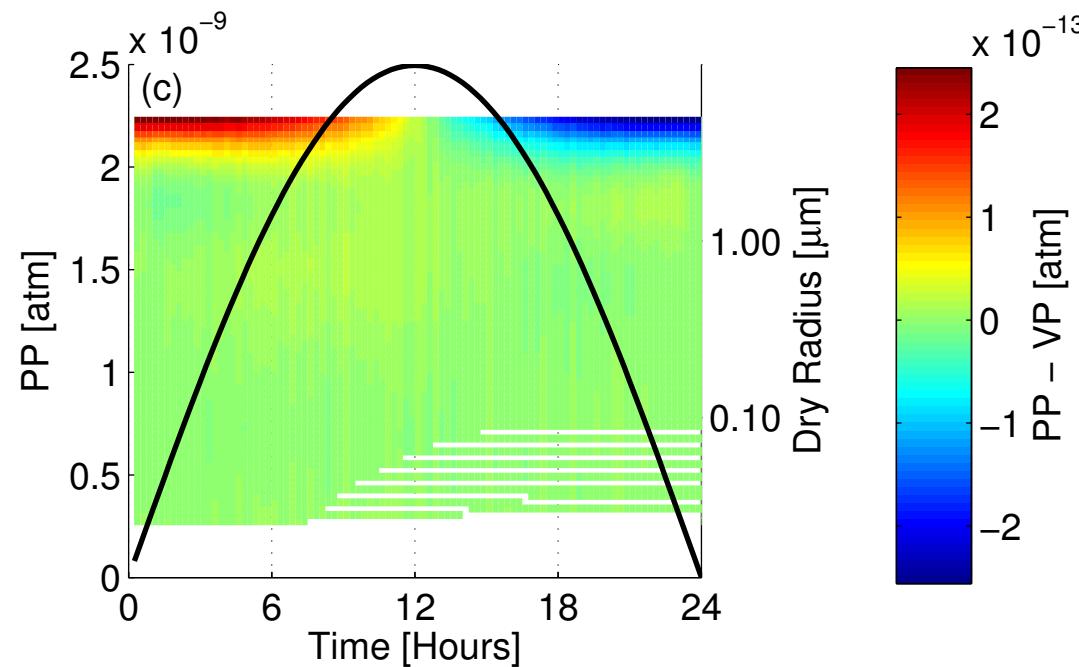
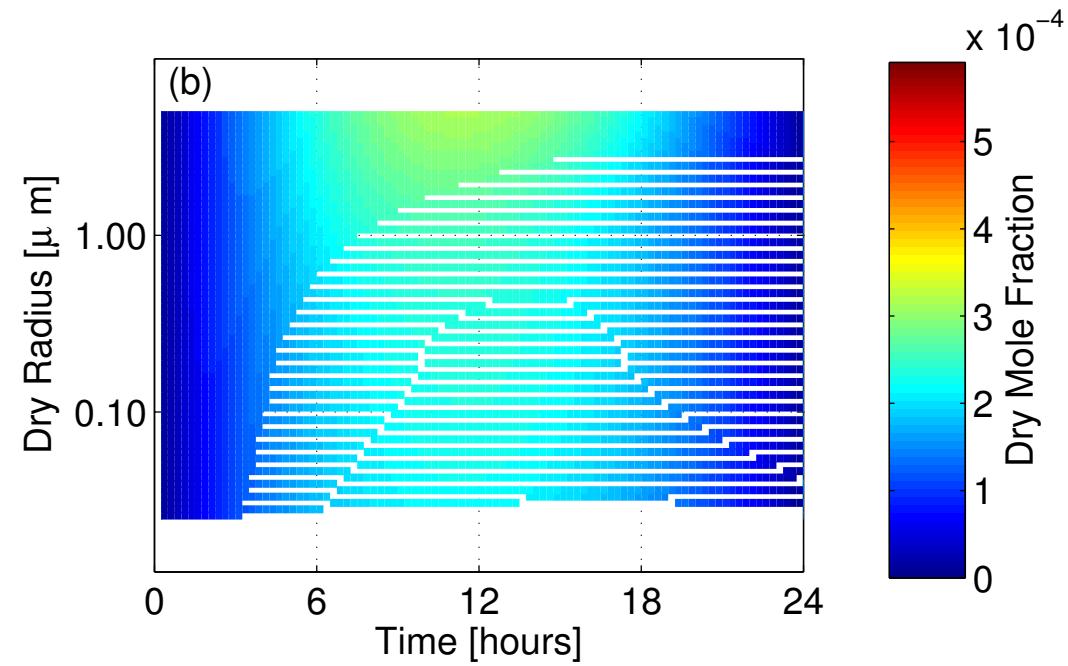
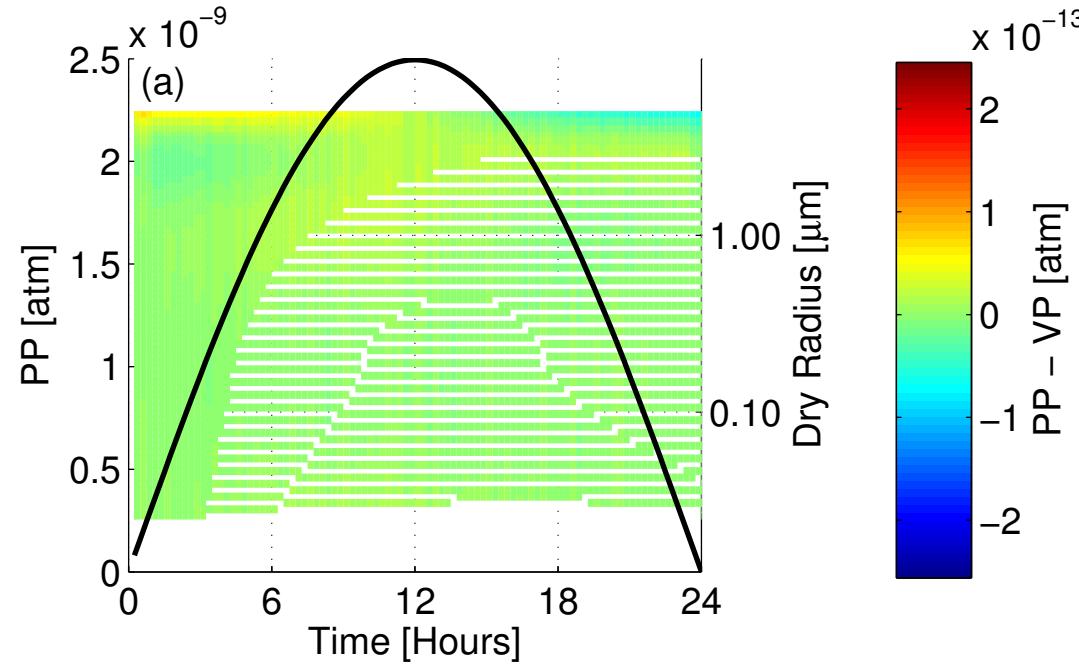
Vapour pressures and dry mole fractions for semi-volatile Compounds 1-13 and dry mole fractions for the involatile Compounds 14 and 15.

In all plots panels (a) and (b) are for the ideal model run, while panels (c) and (d) are for the non-ideal model run using PDFiTE.

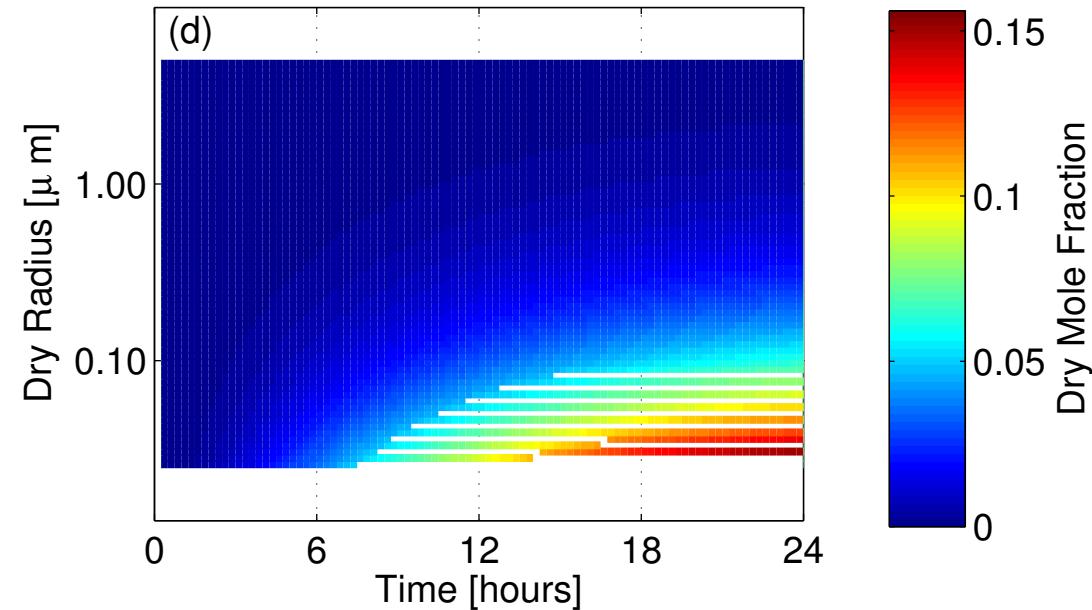
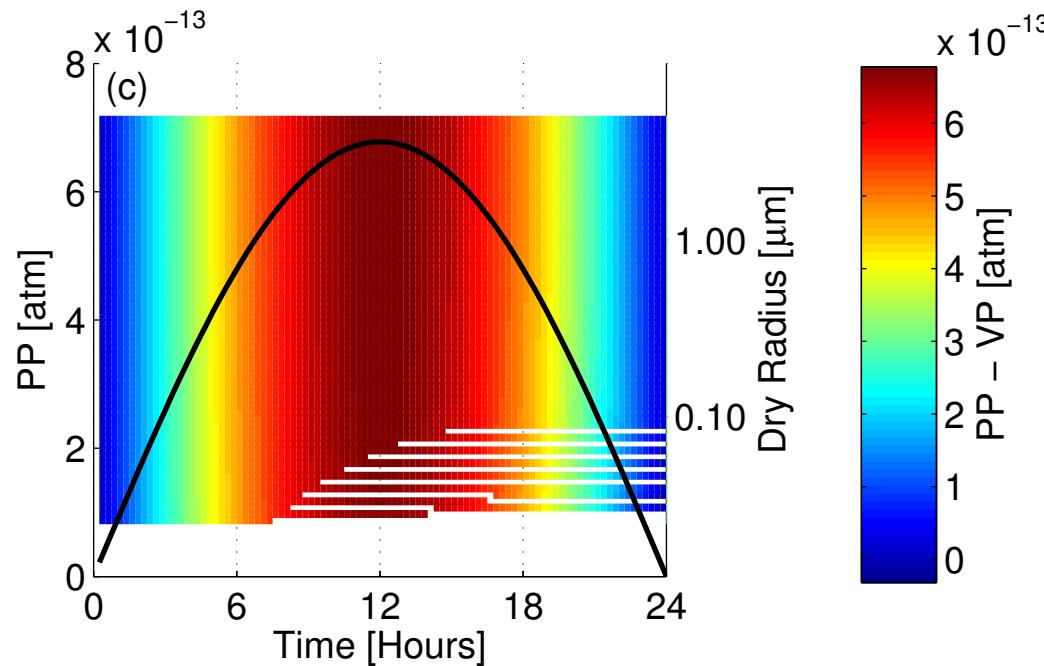
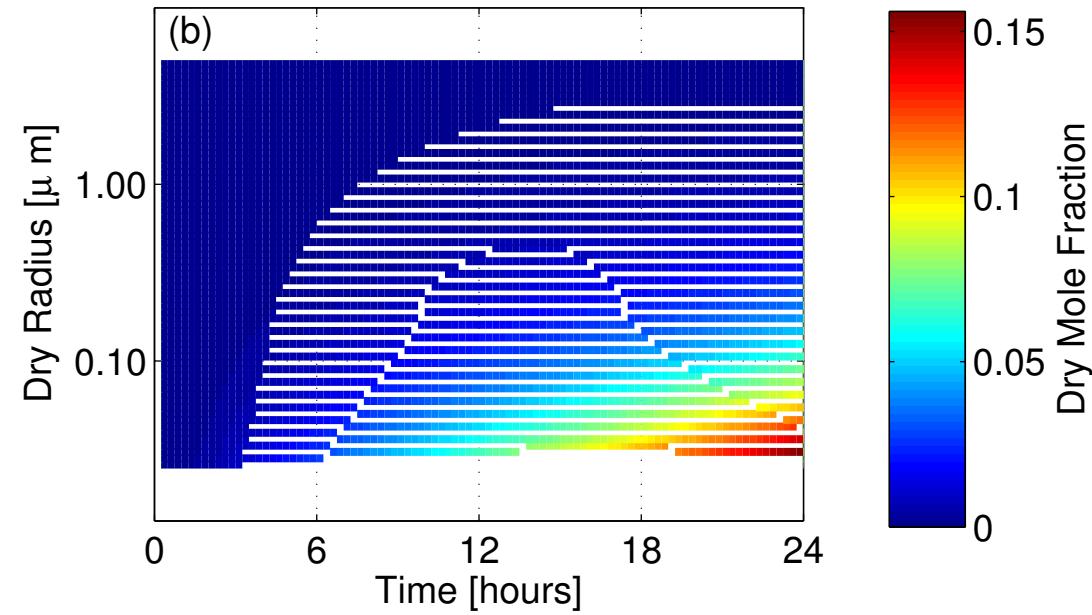
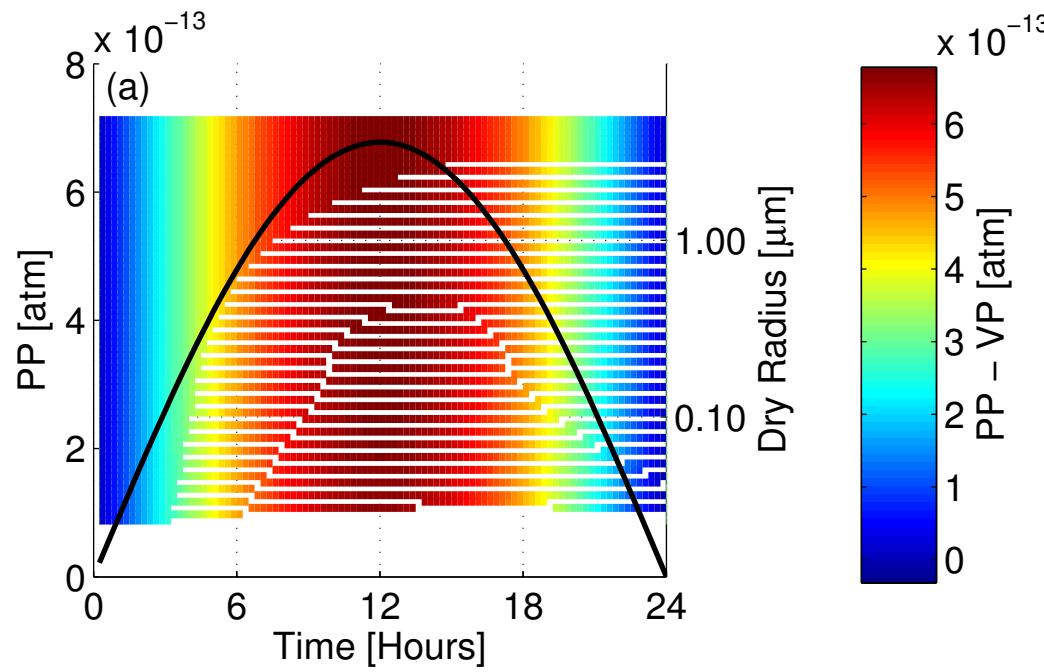
For Compounds 1-13 panels (a) and (c) show the size resolved differences between vapour pressure (VP) over the aerosol particle and the gas-phase partial pressure (PP), as well as the temporal variation in partial pressure. Panels (b) and (d) show the size resolved dry mole fractions of the SOA compounds within the condensed phase.

In the Compound 14 and 15 plot panels (a)-(d) all show size resolved dry mole fraction.

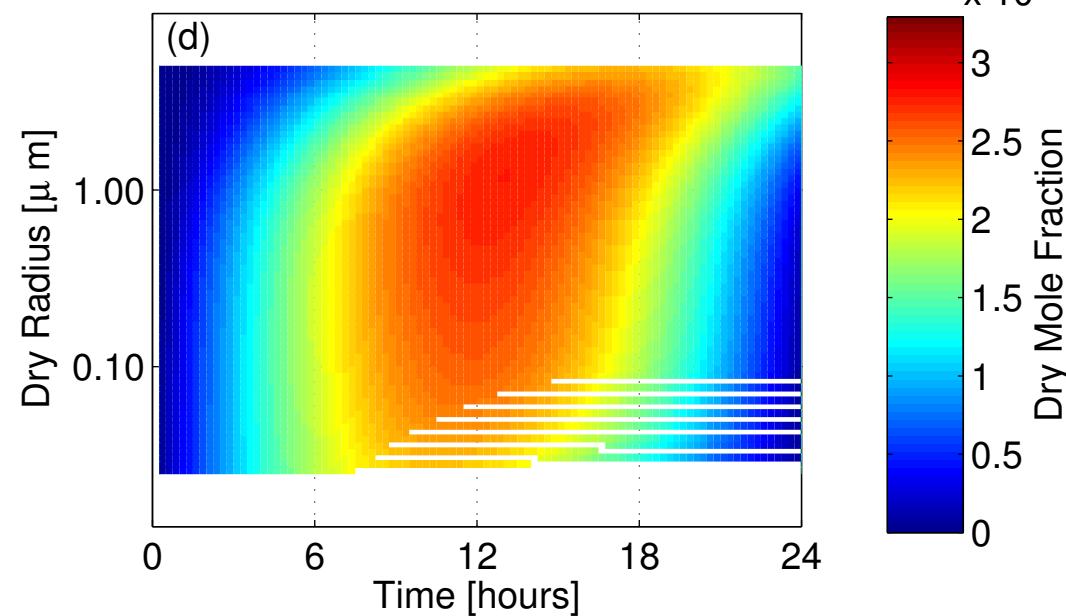
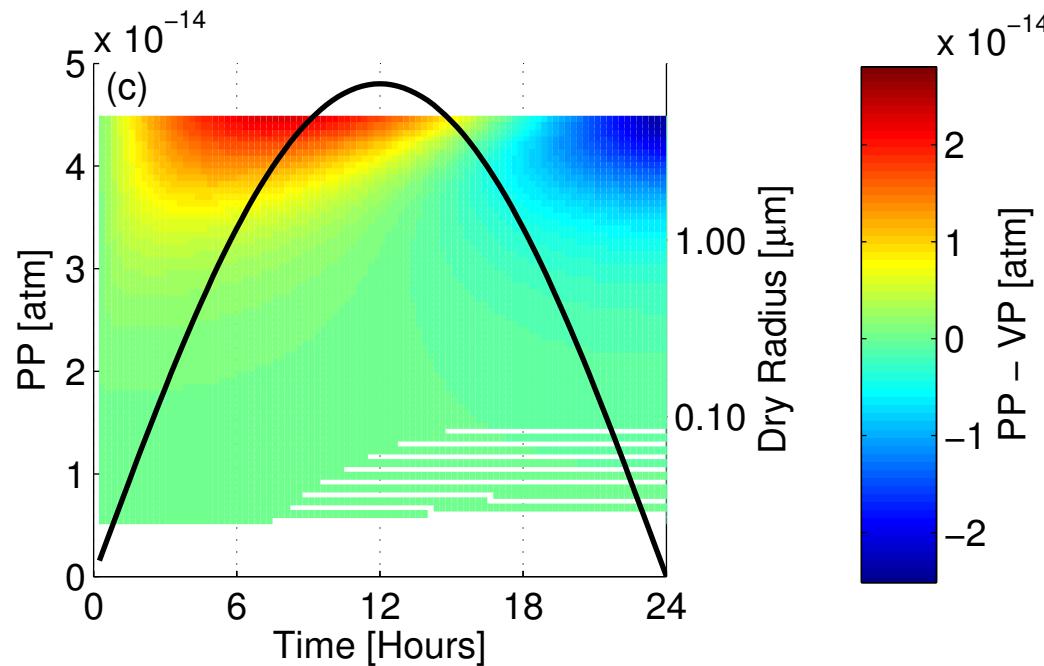
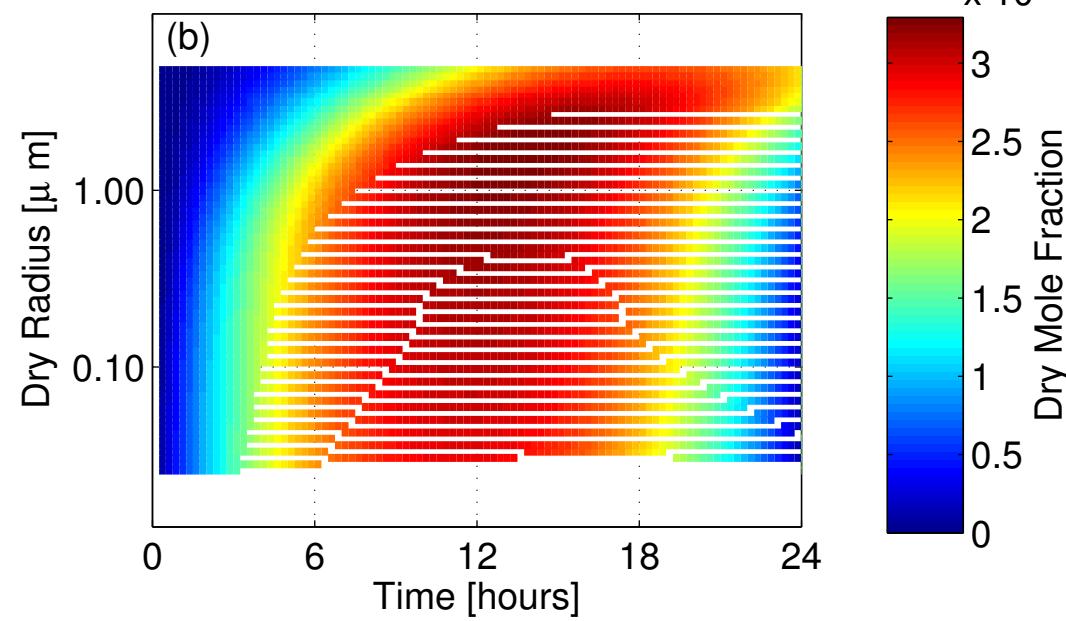
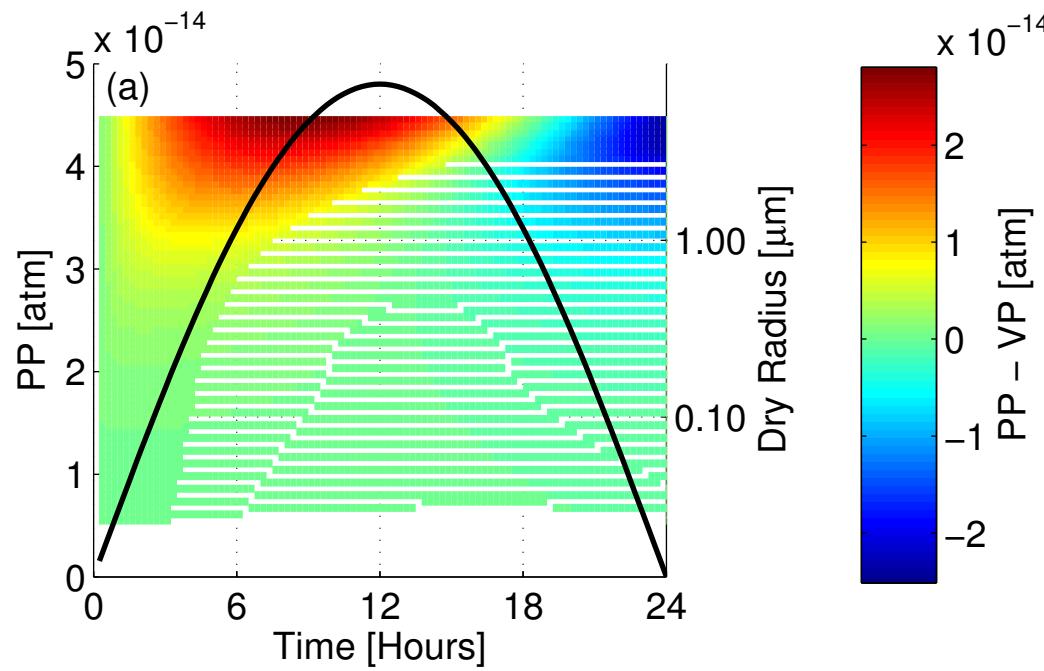
Compound 1



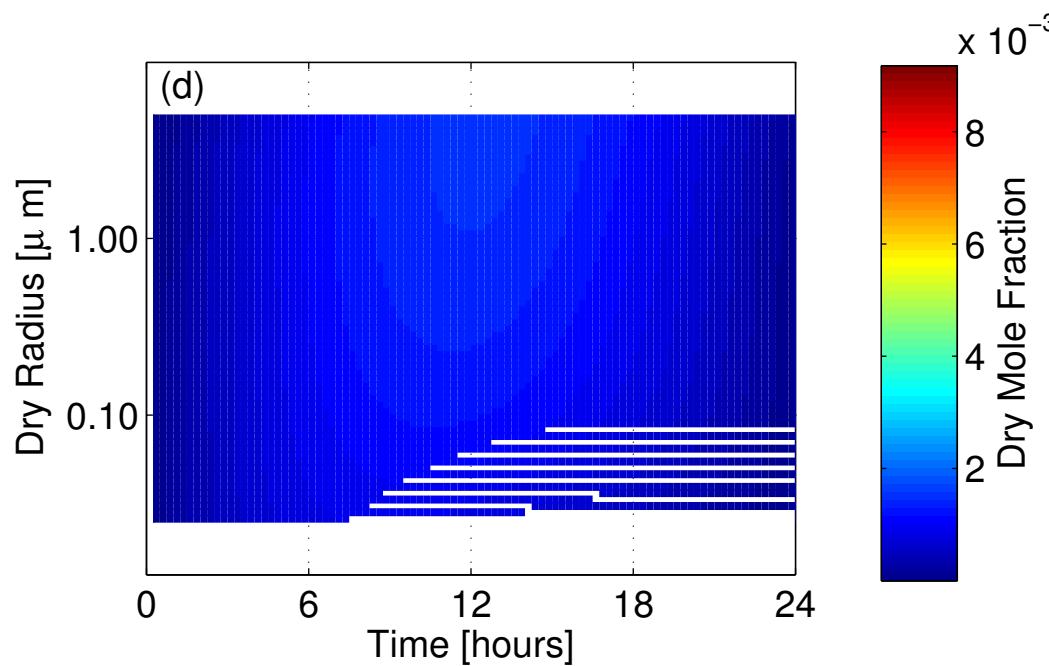
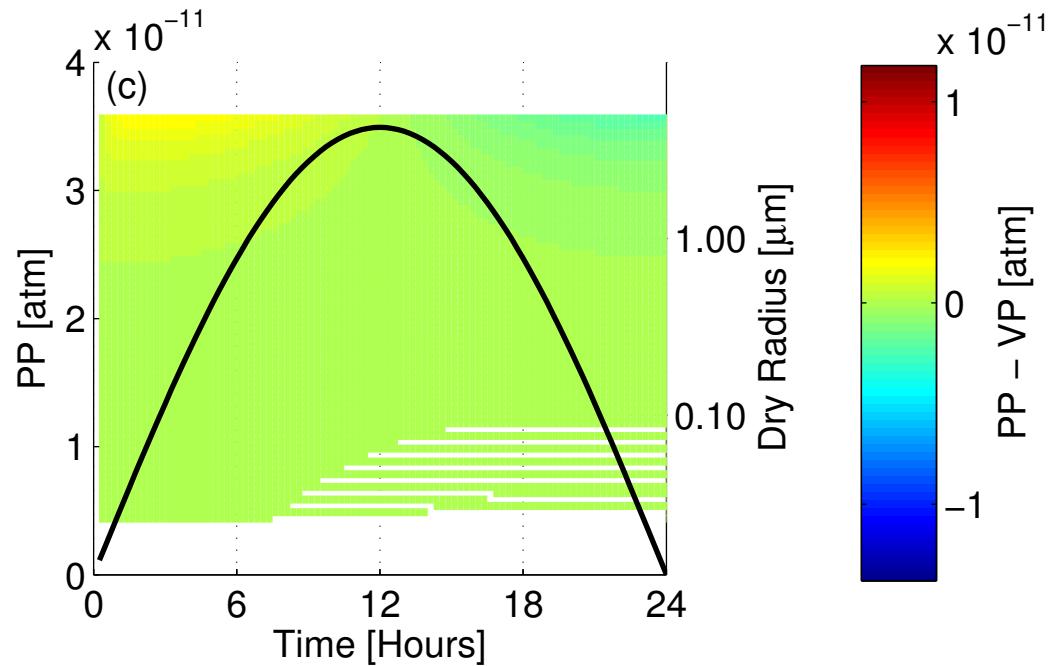
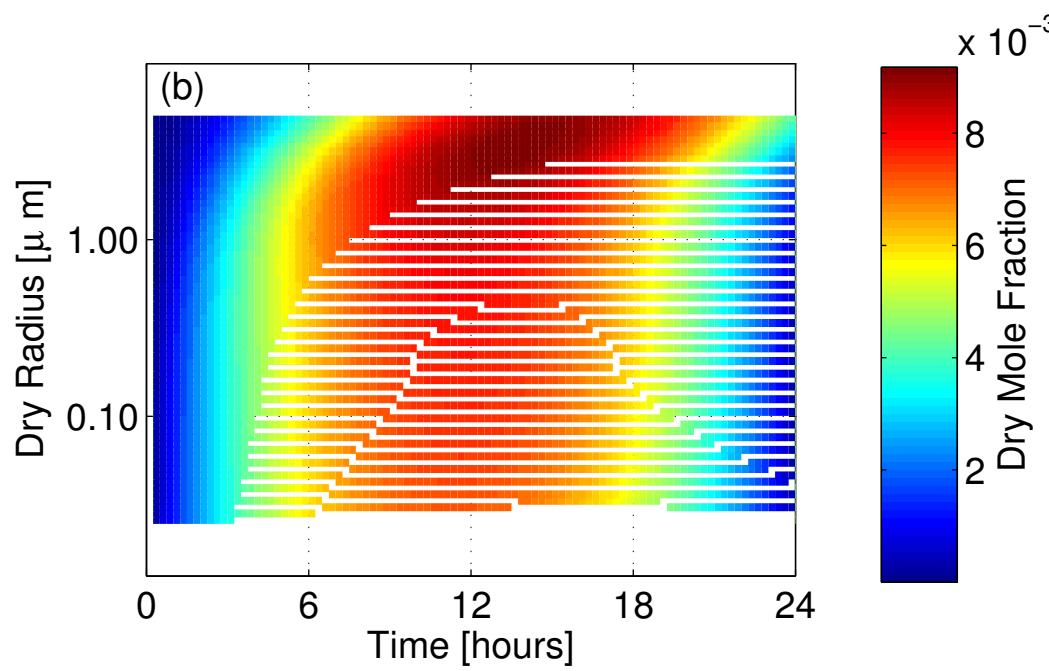
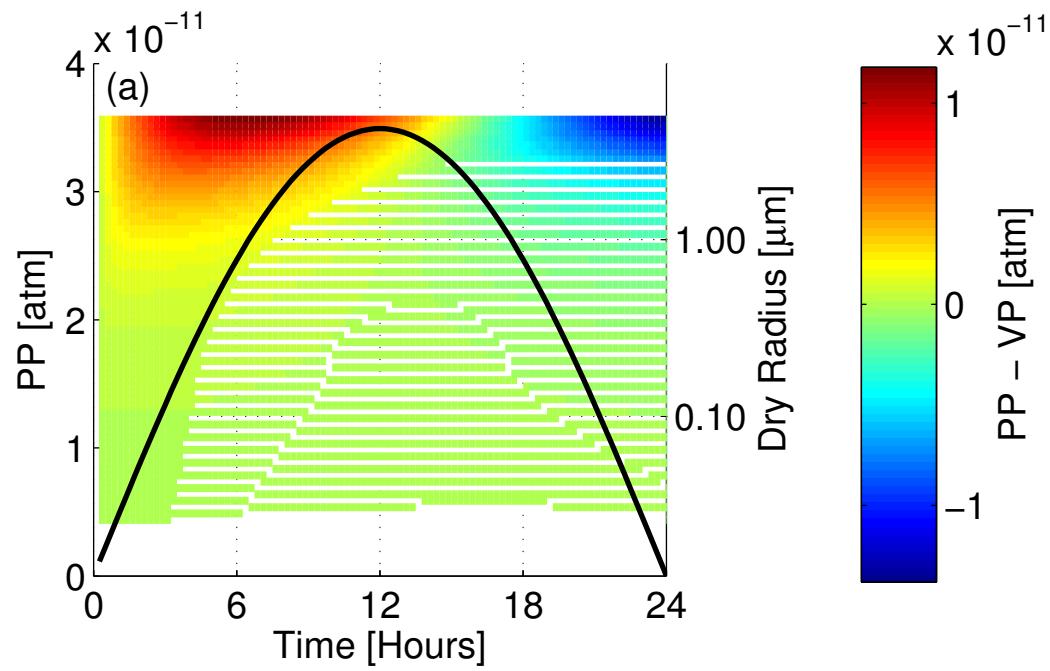
Compound 2



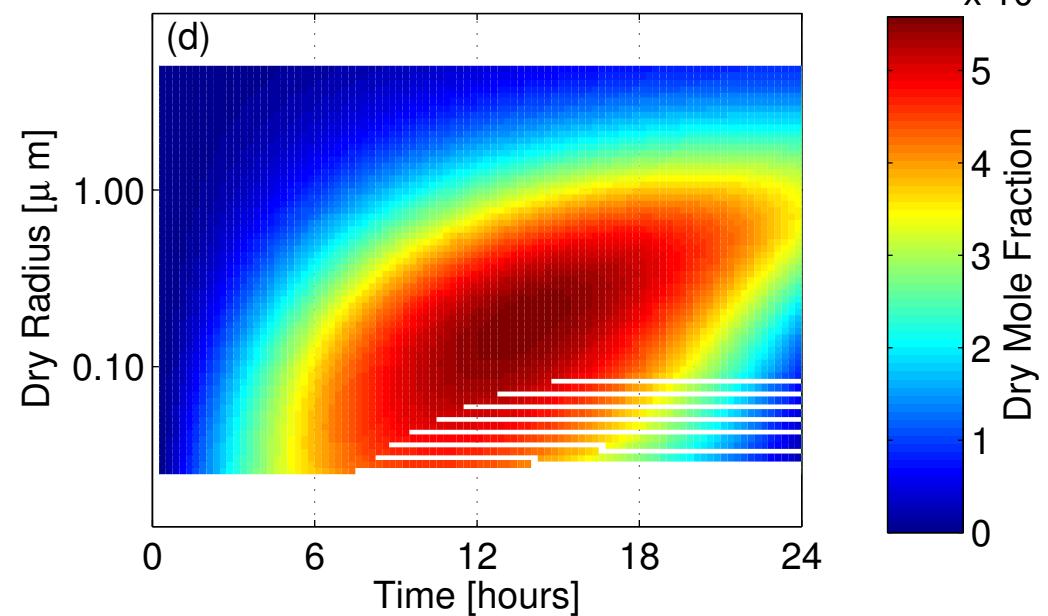
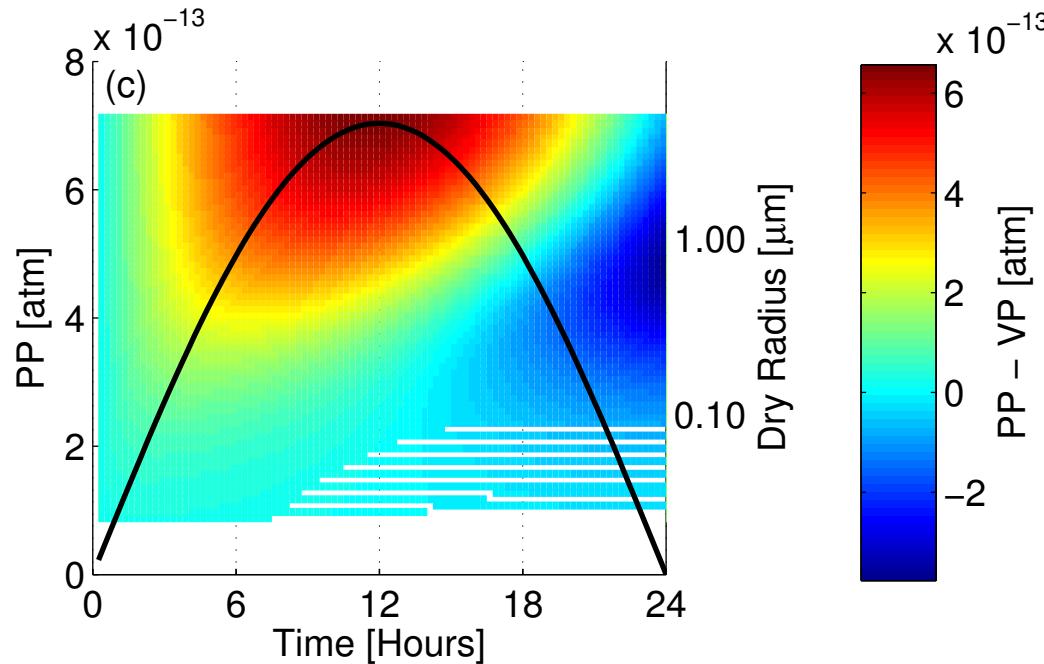
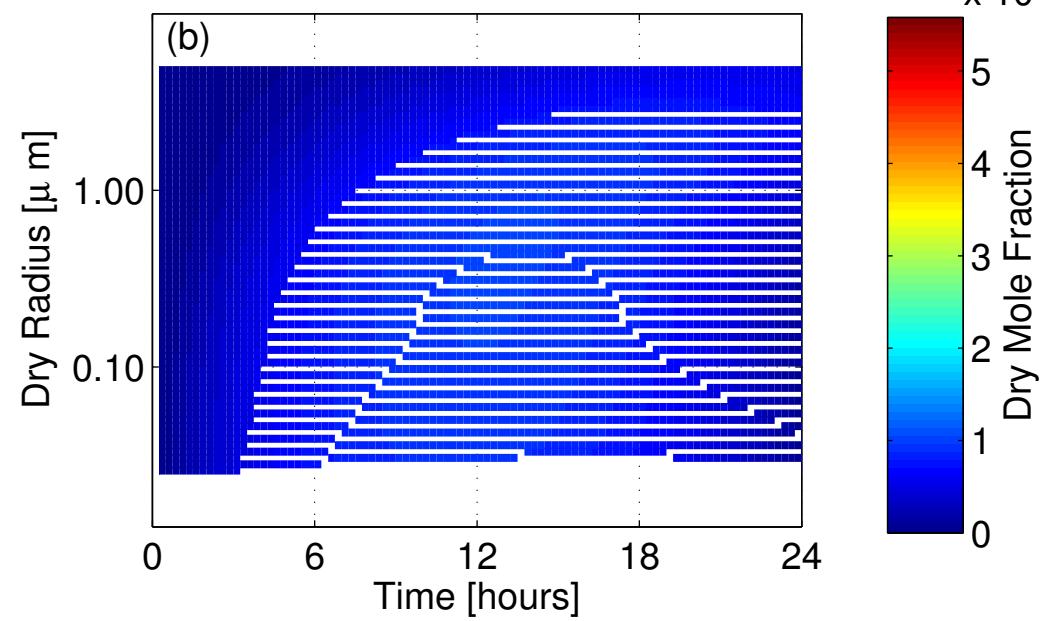
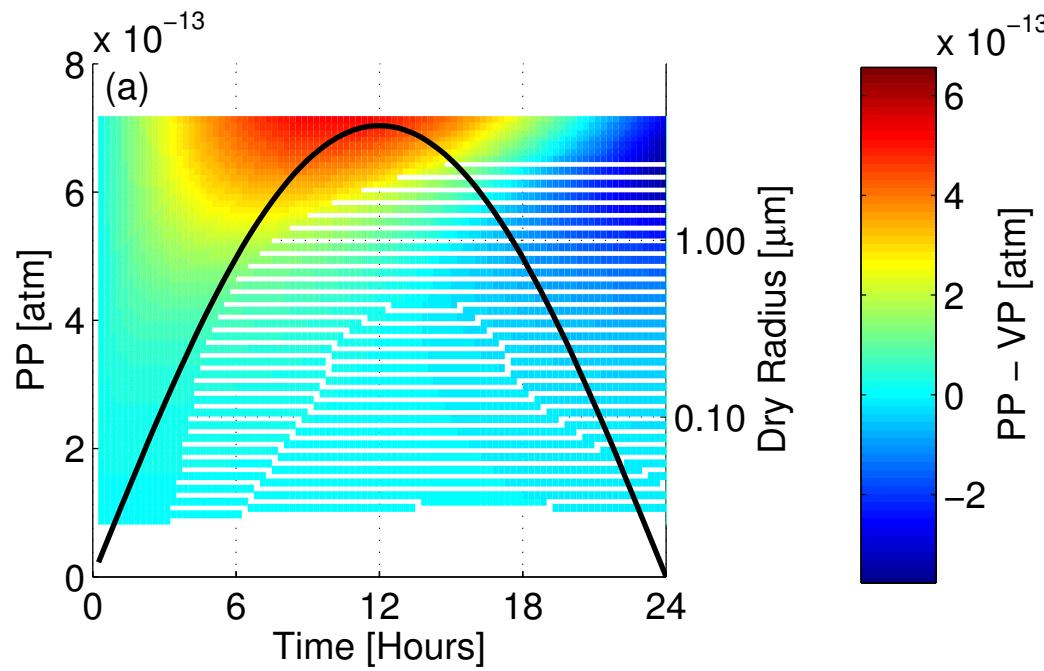
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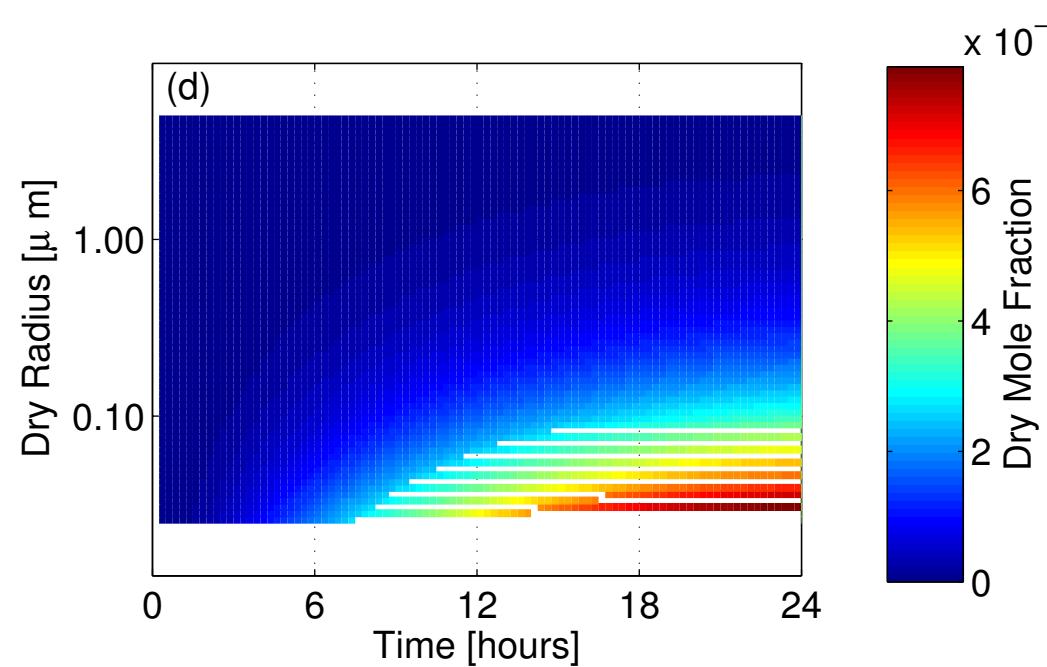
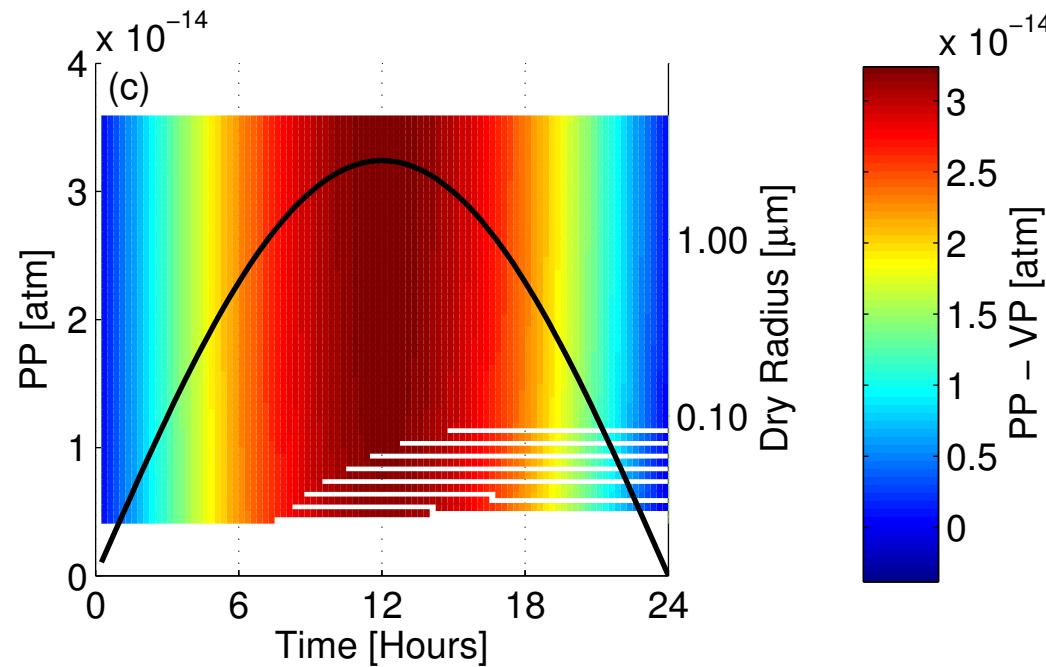
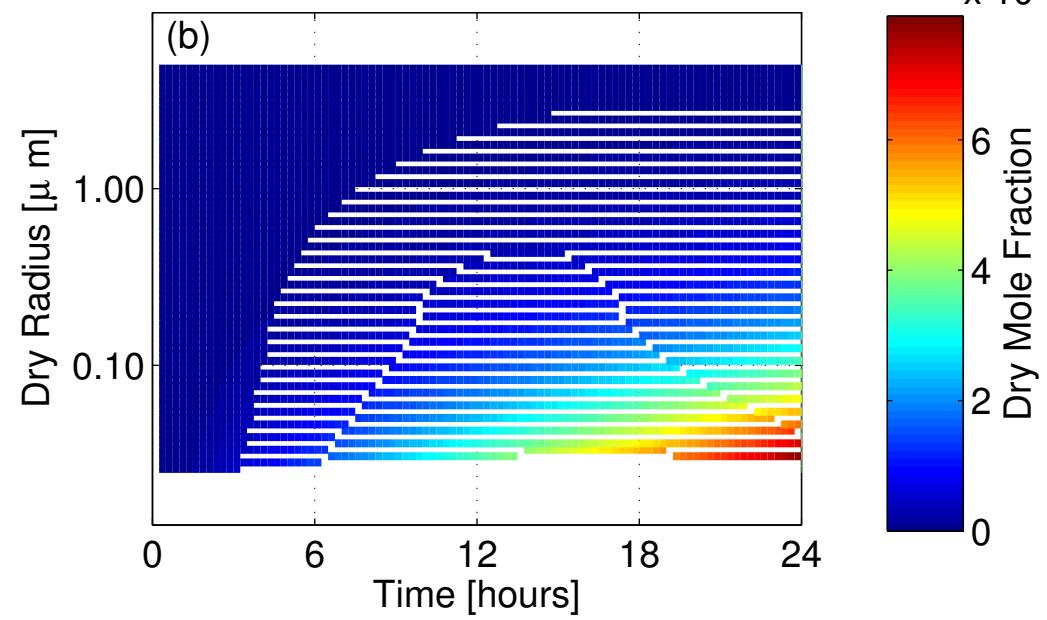
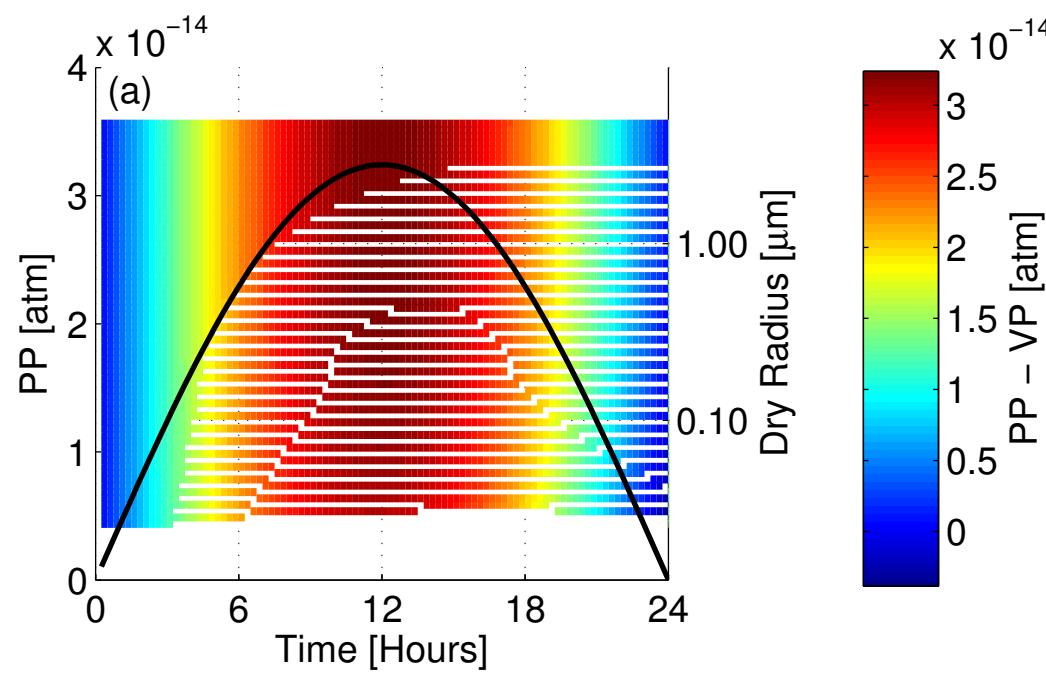
Compound 4



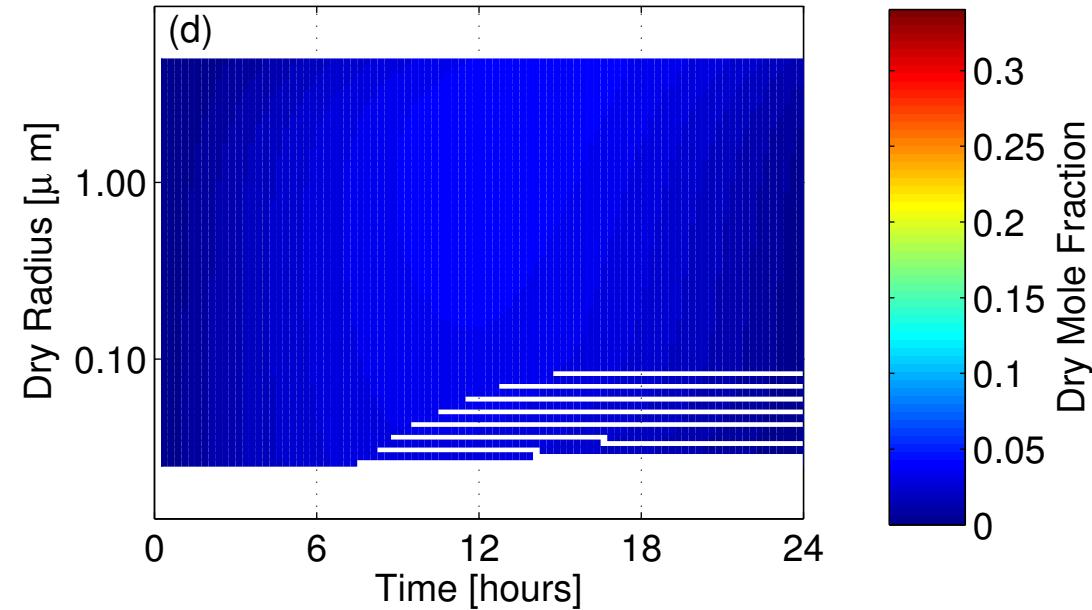
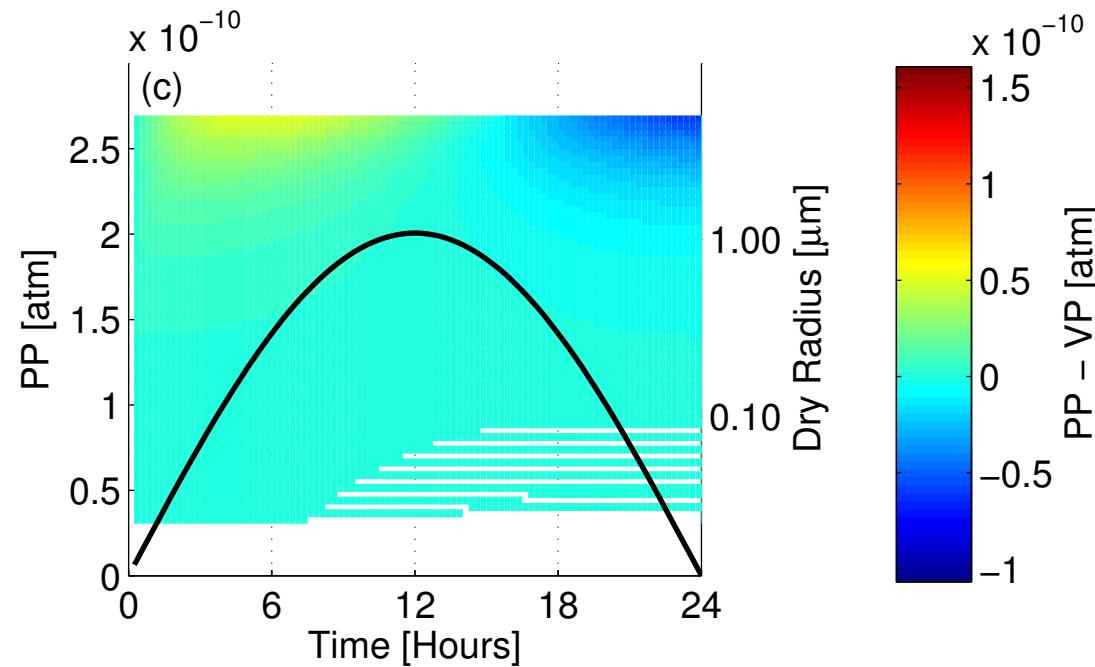
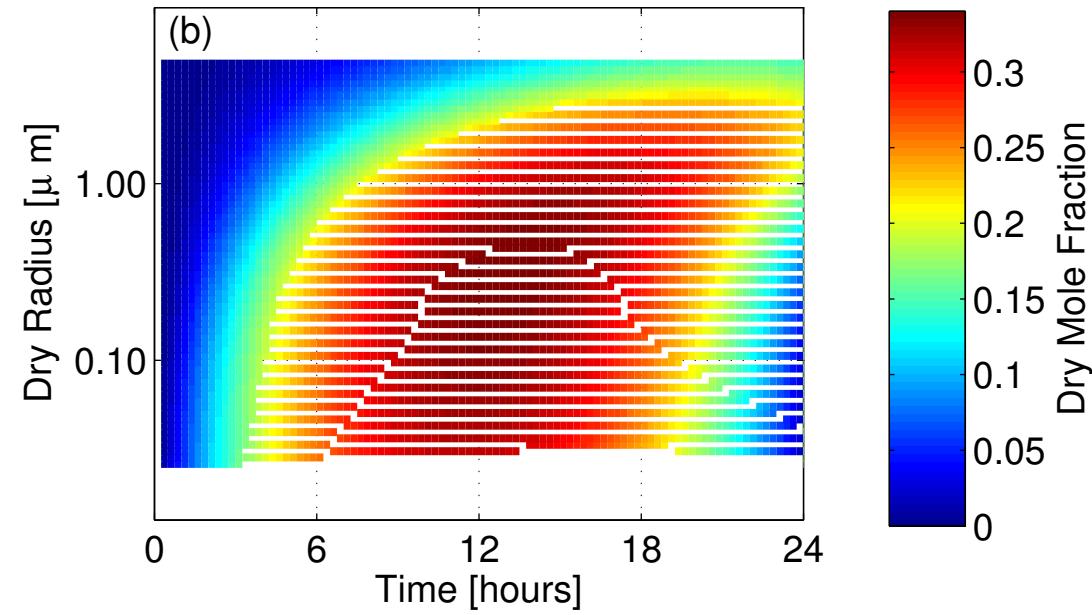
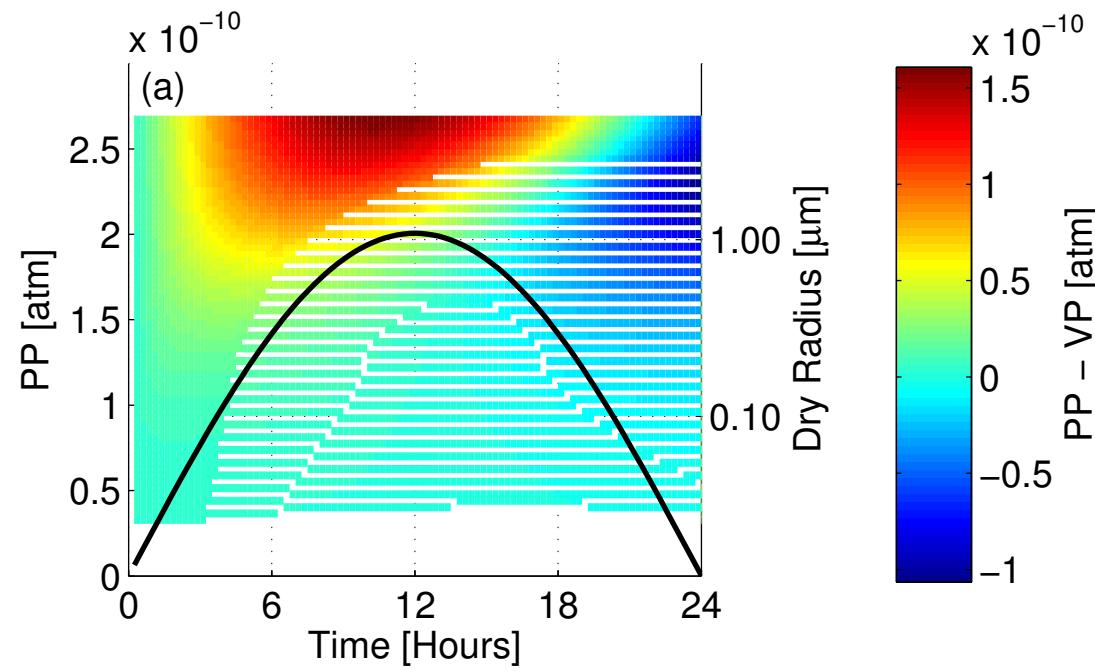
Compound 5



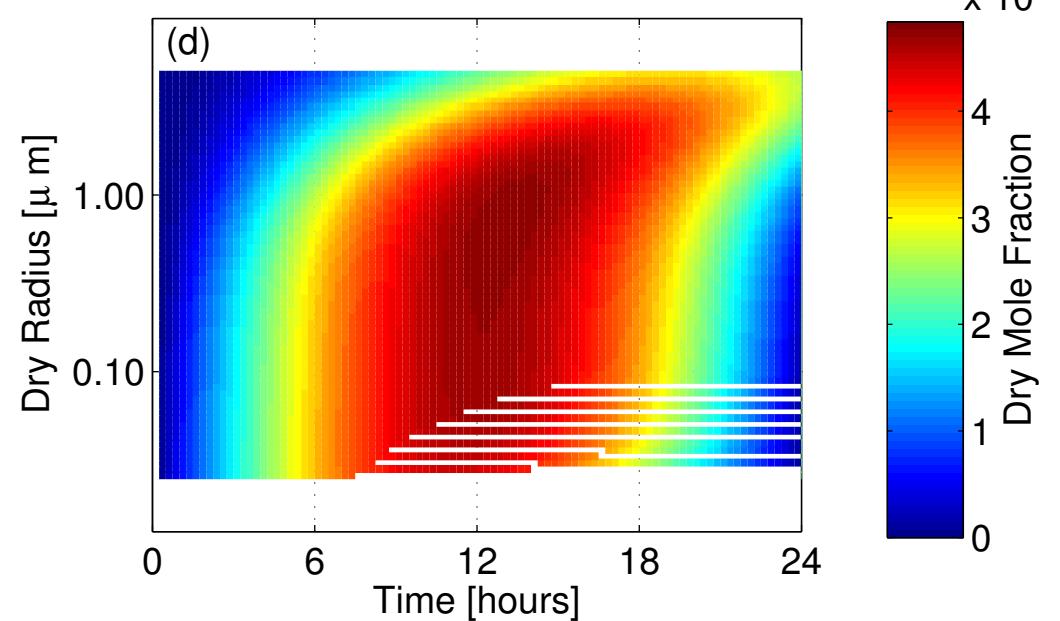
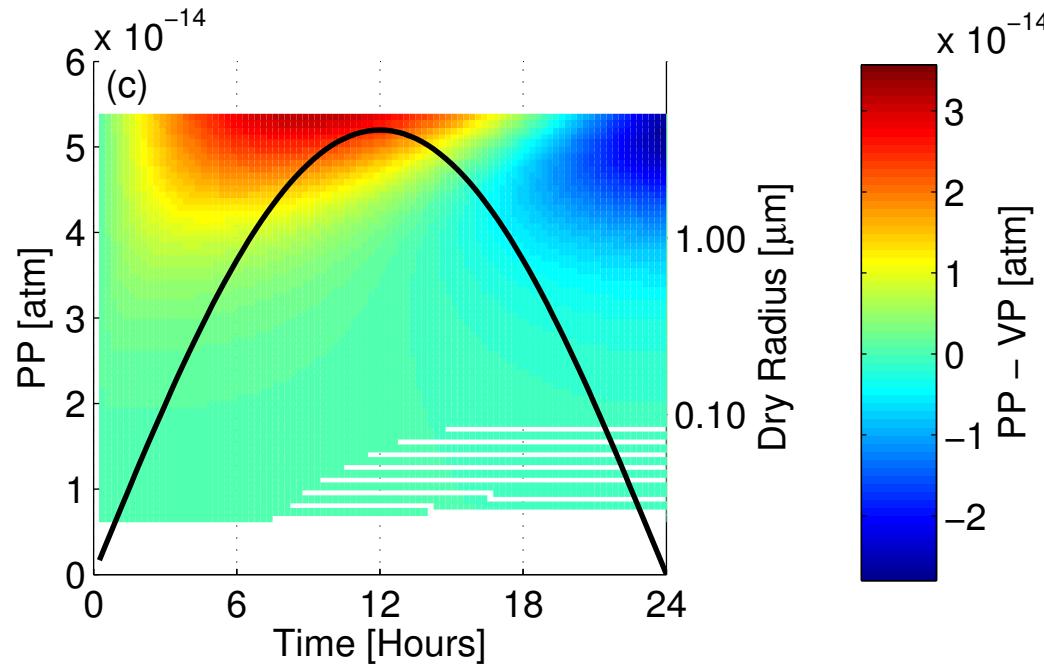
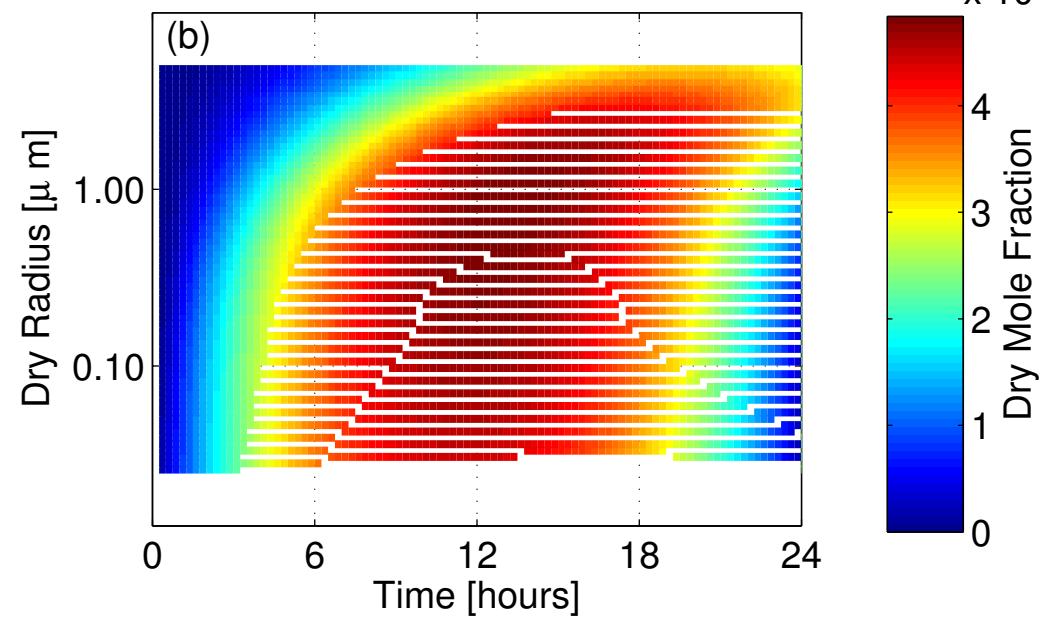
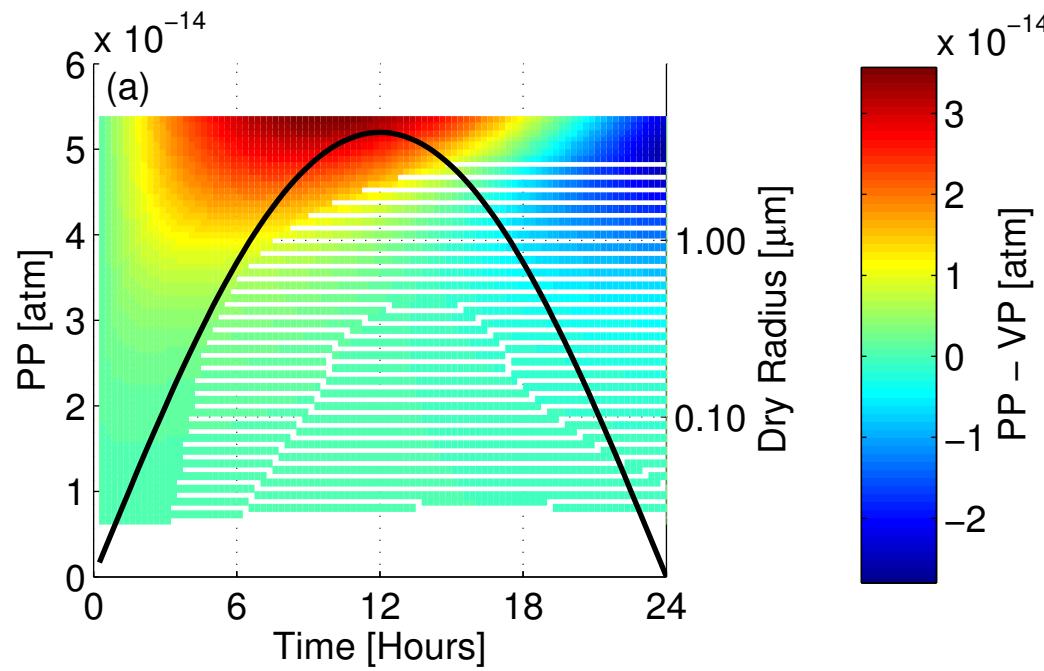
Compound 6



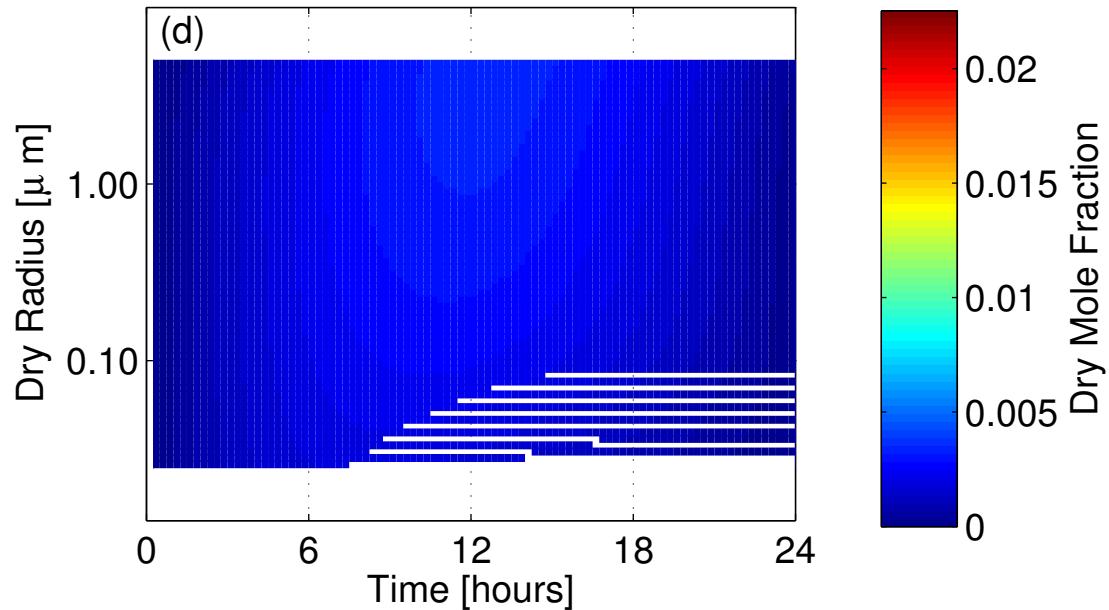
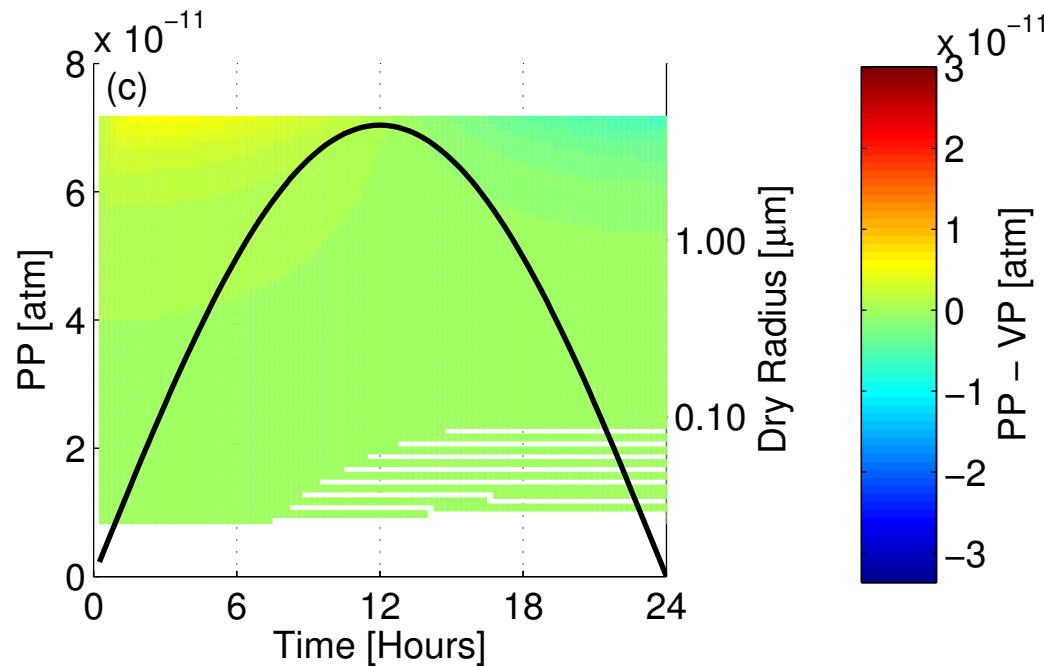
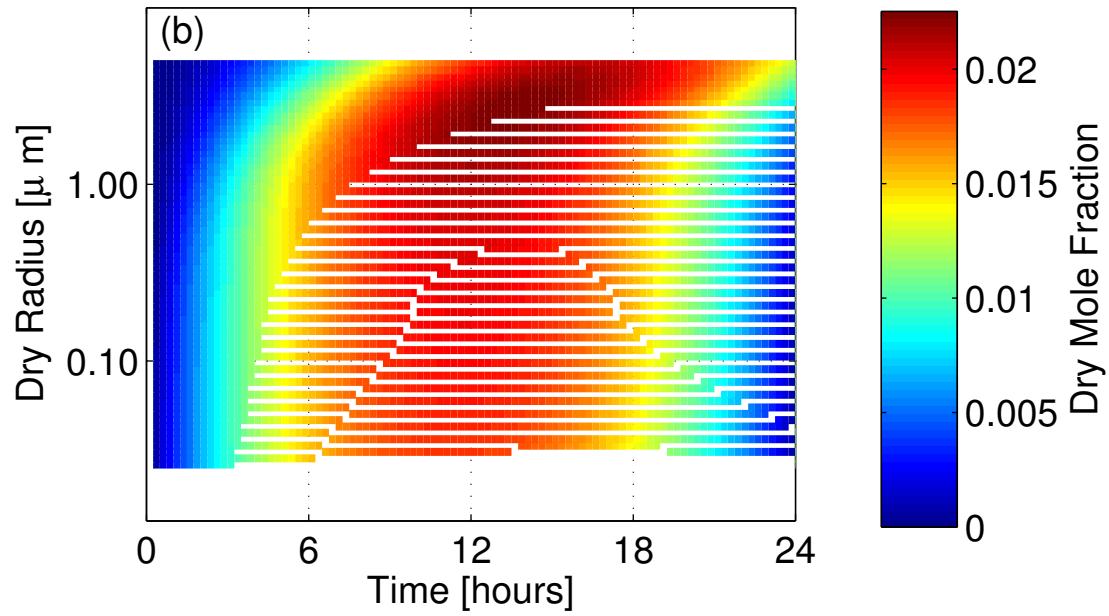
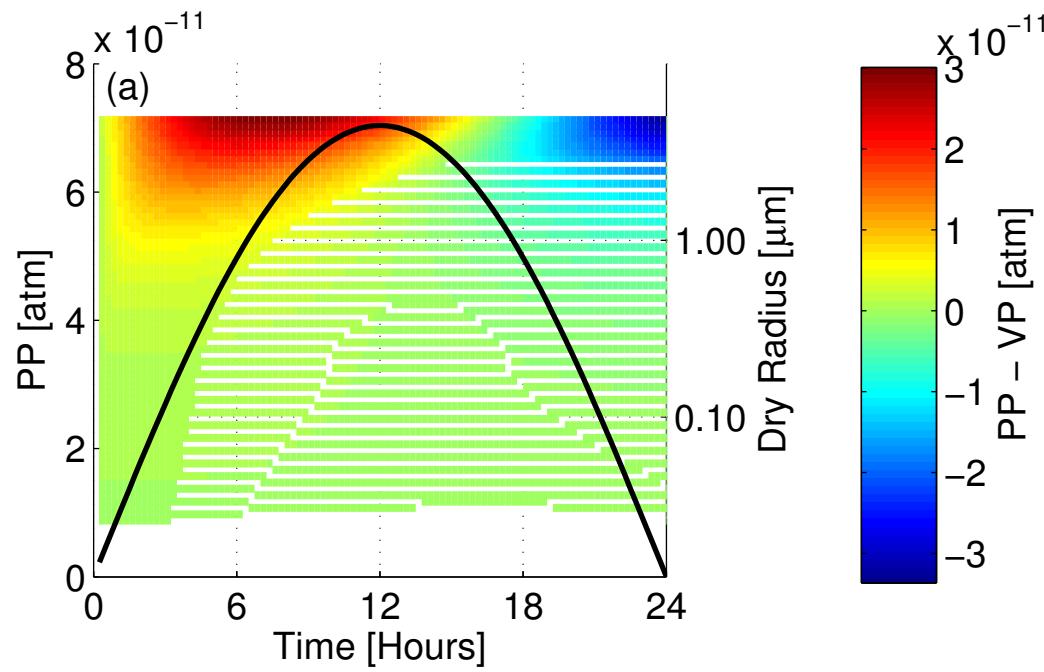
Compound 7



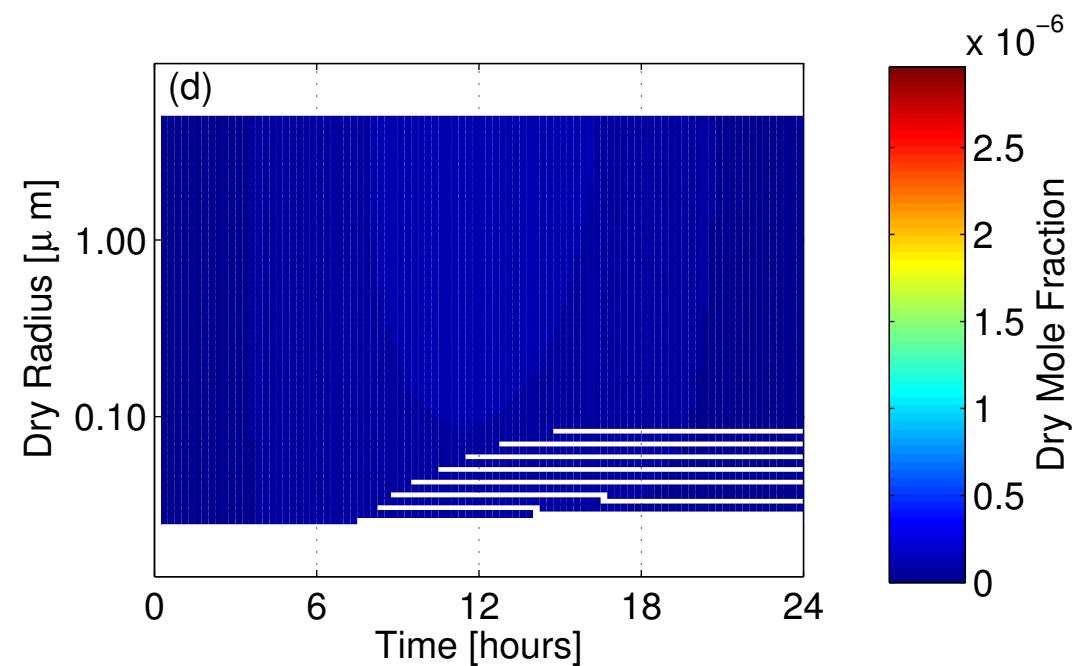
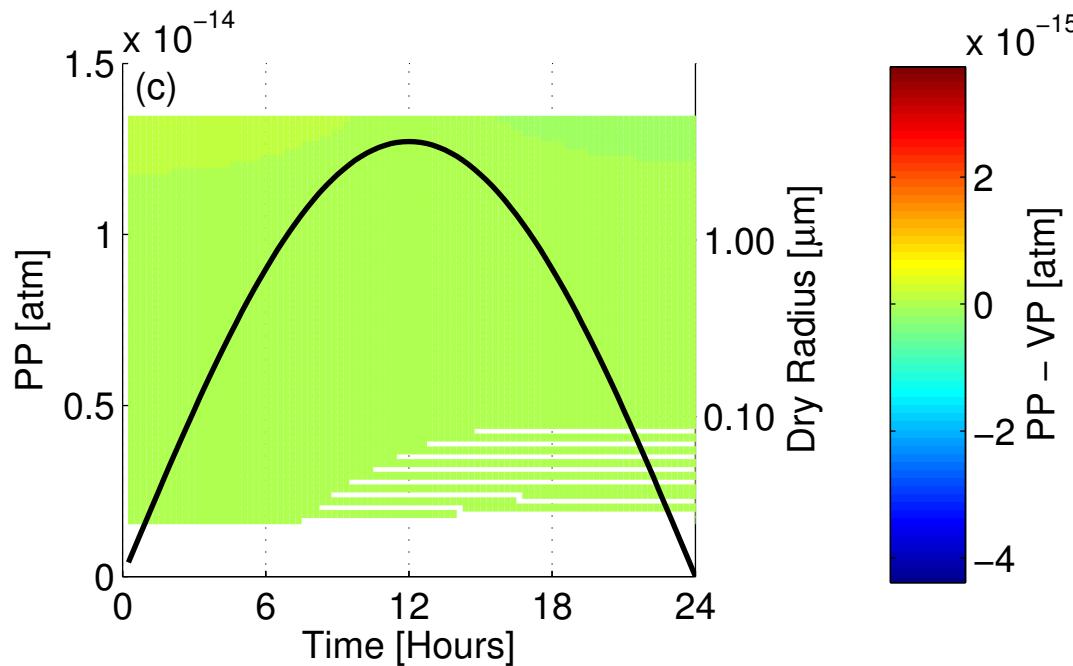
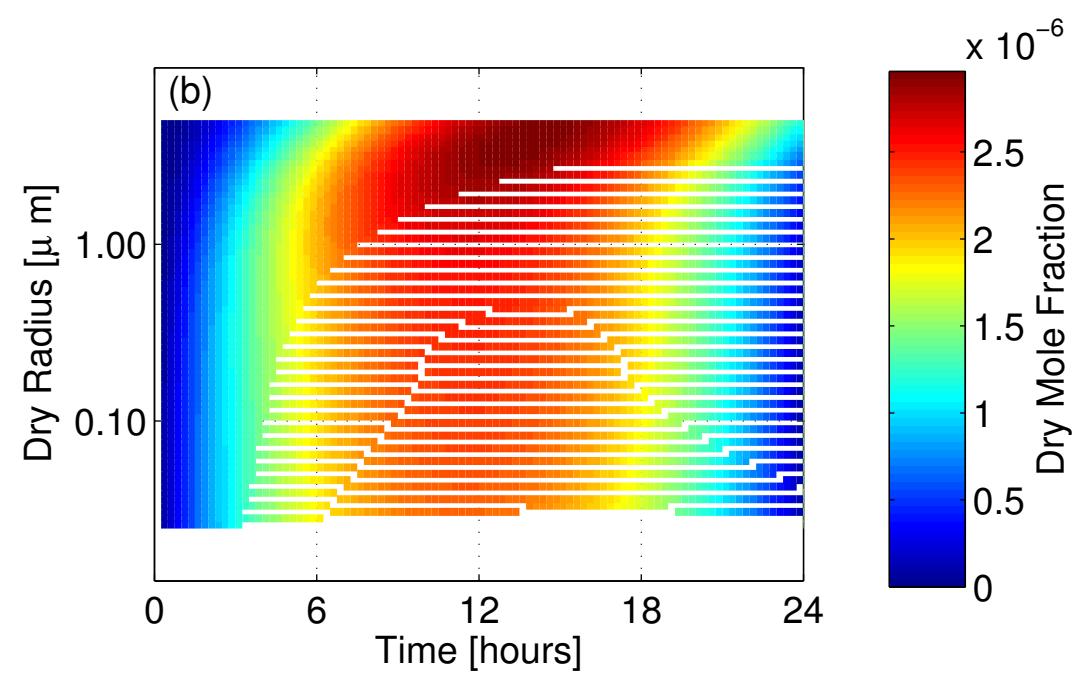
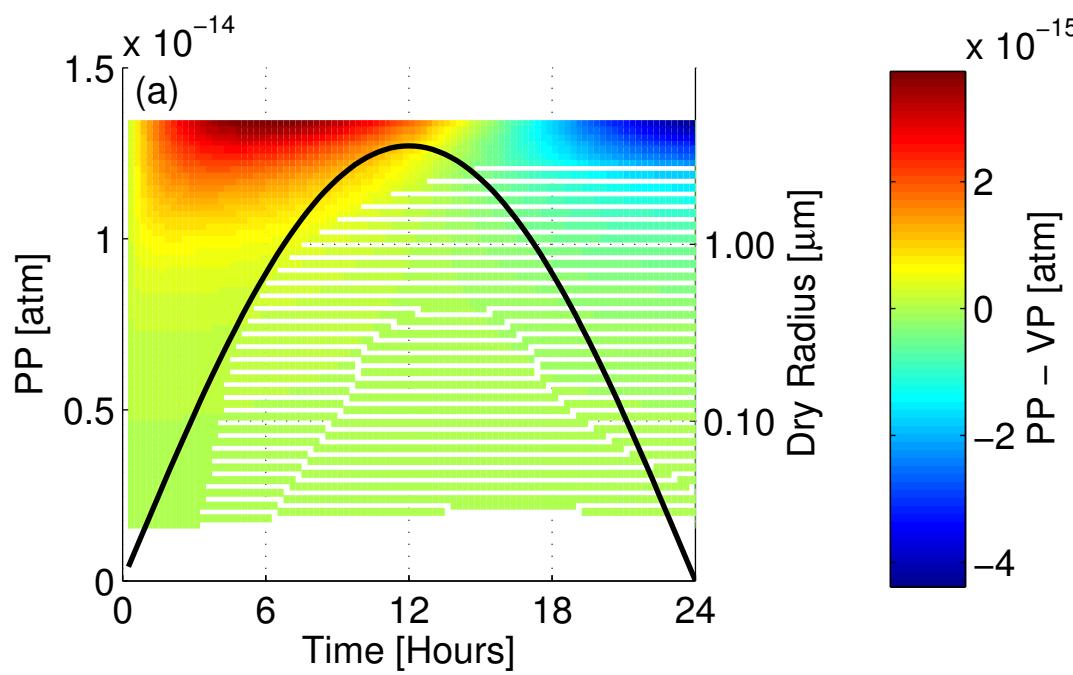
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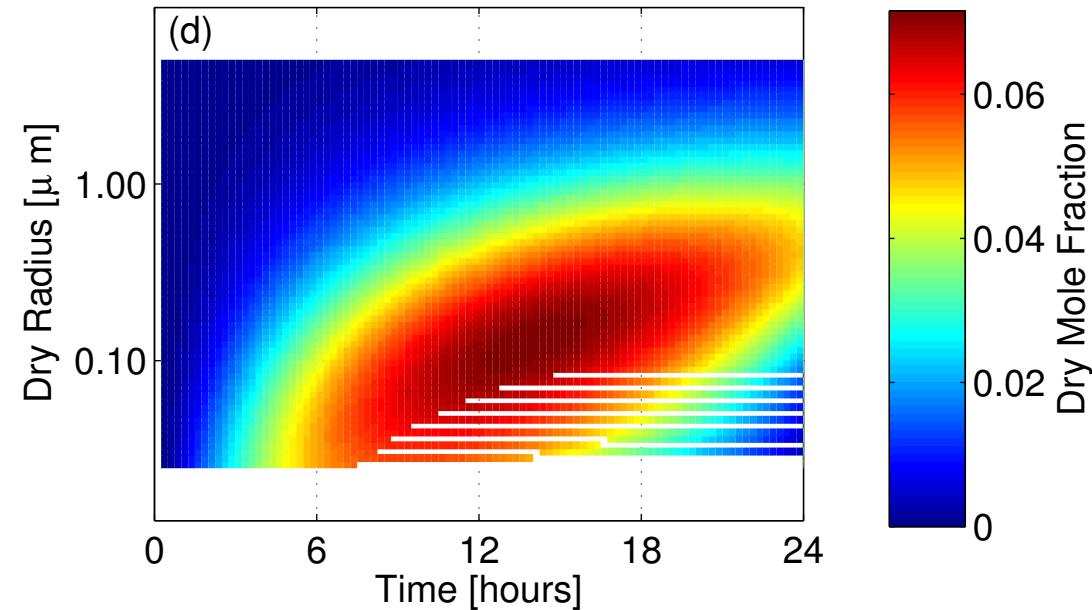
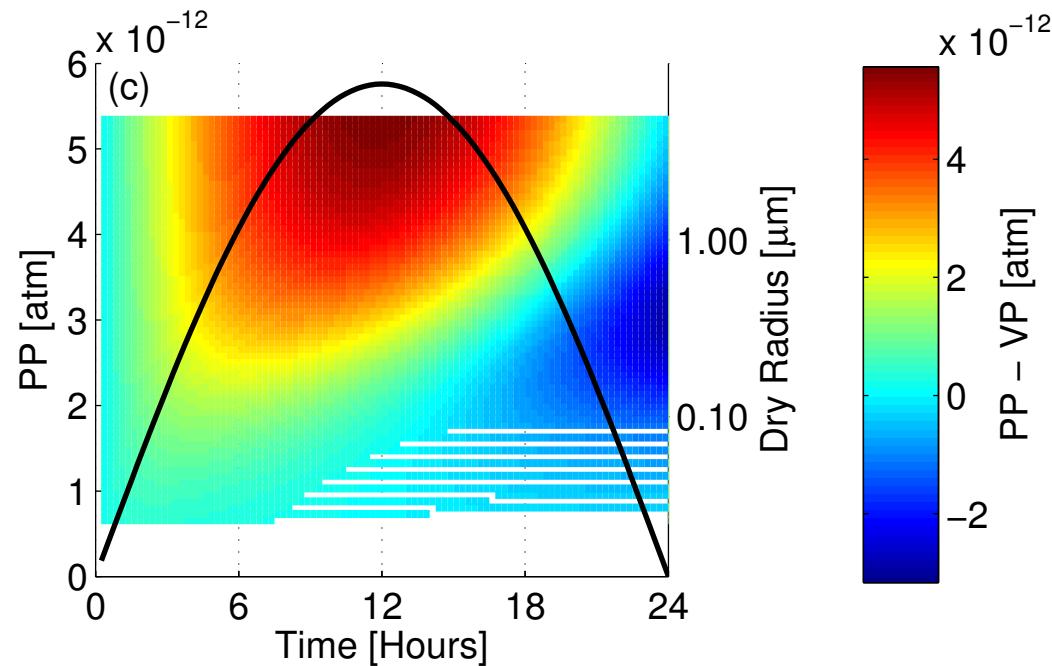
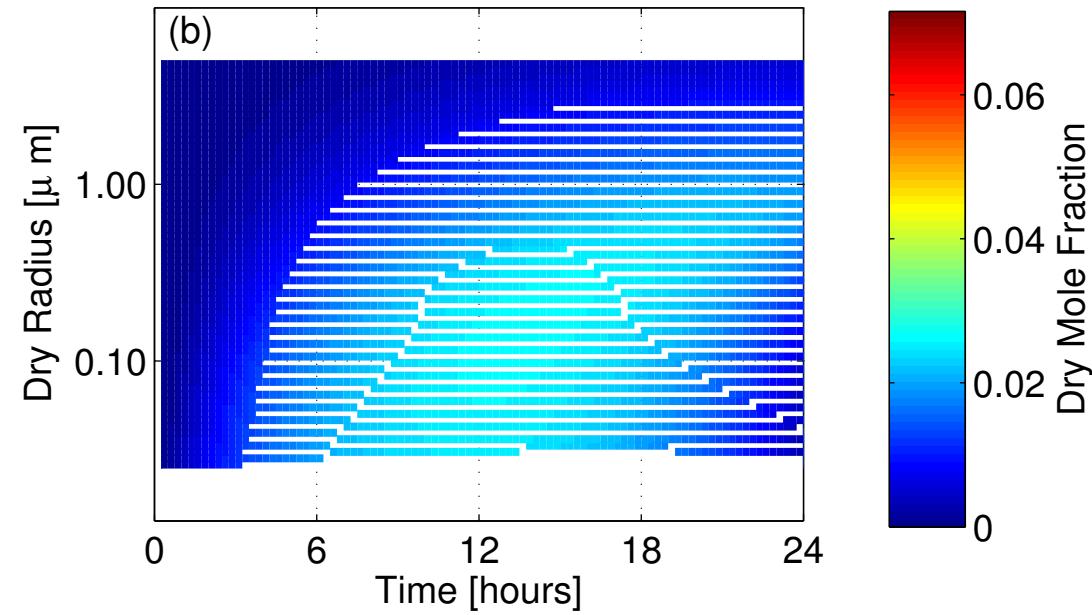
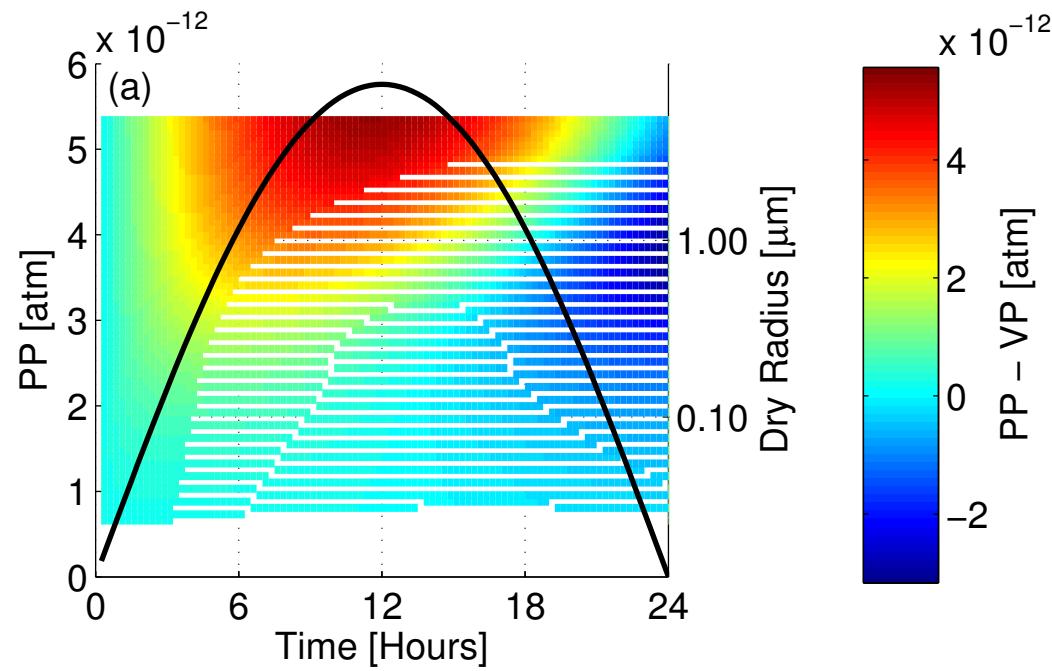
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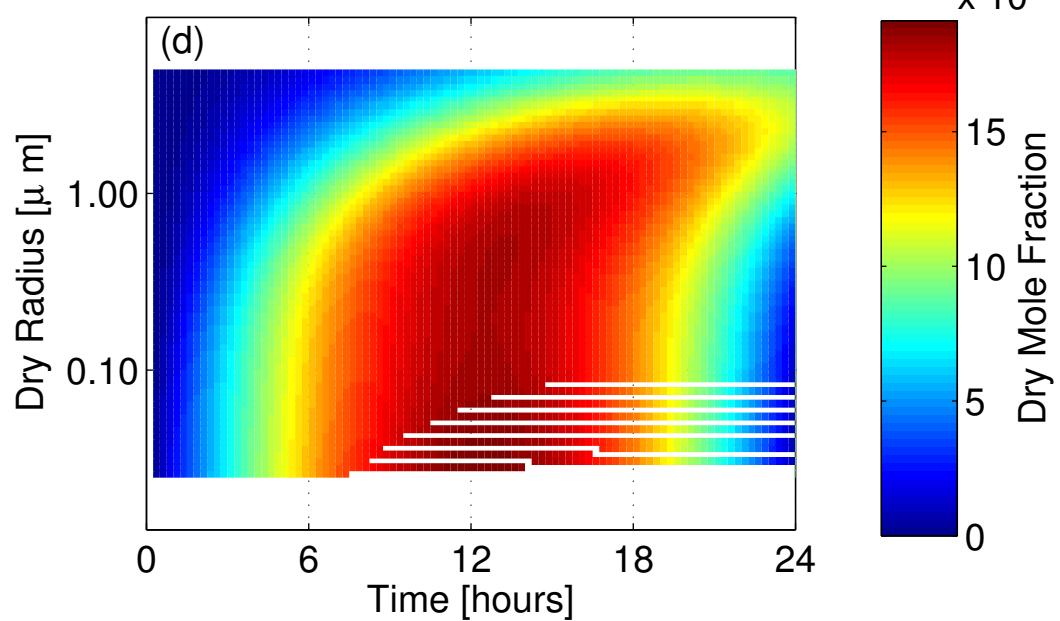
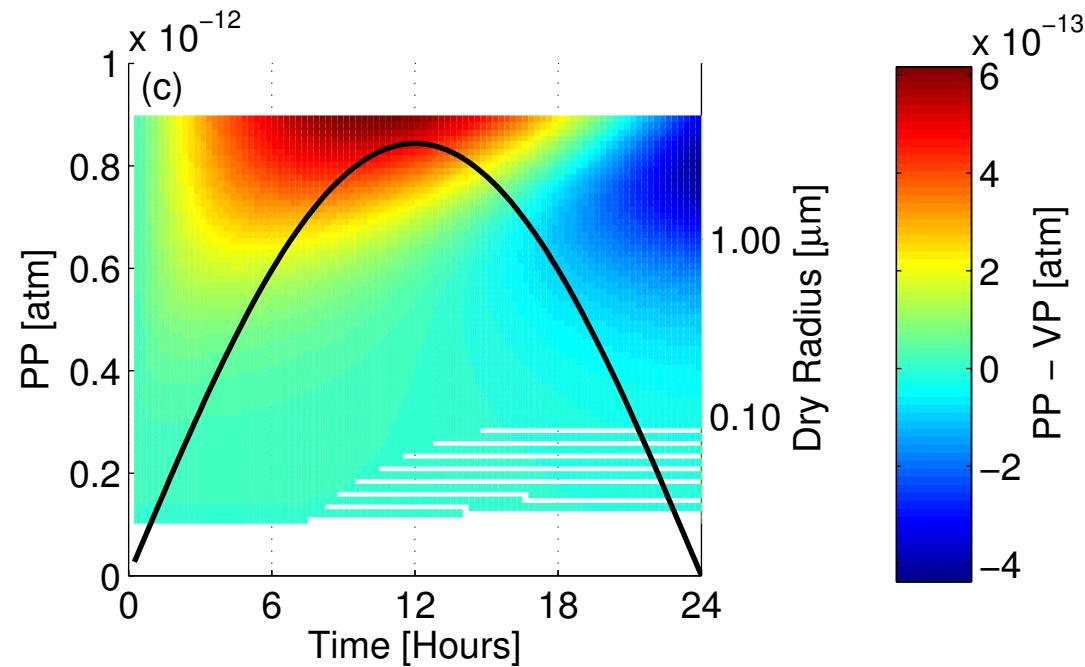
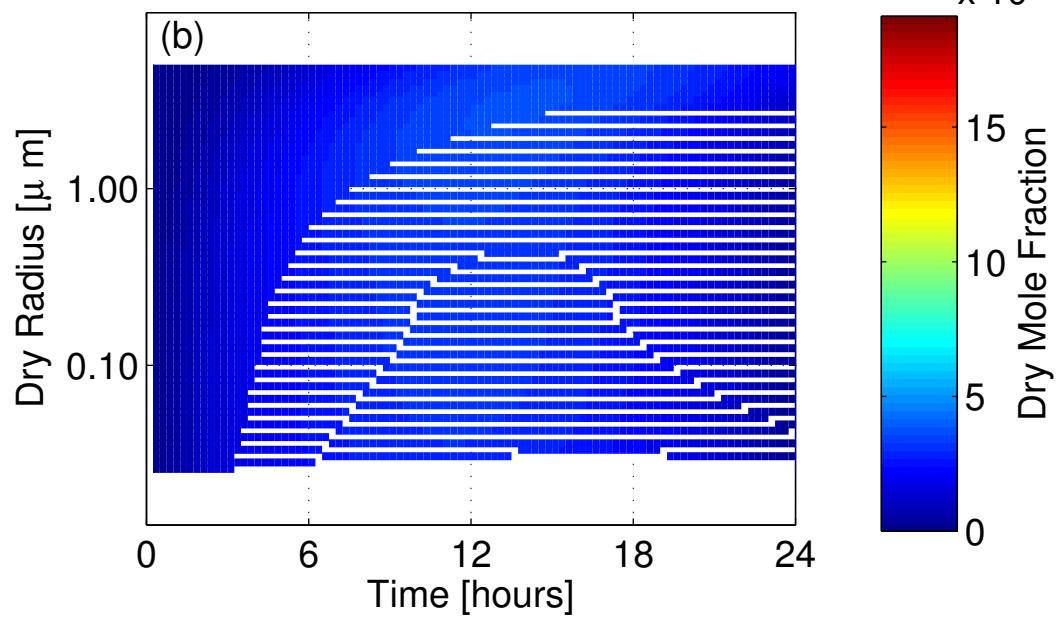
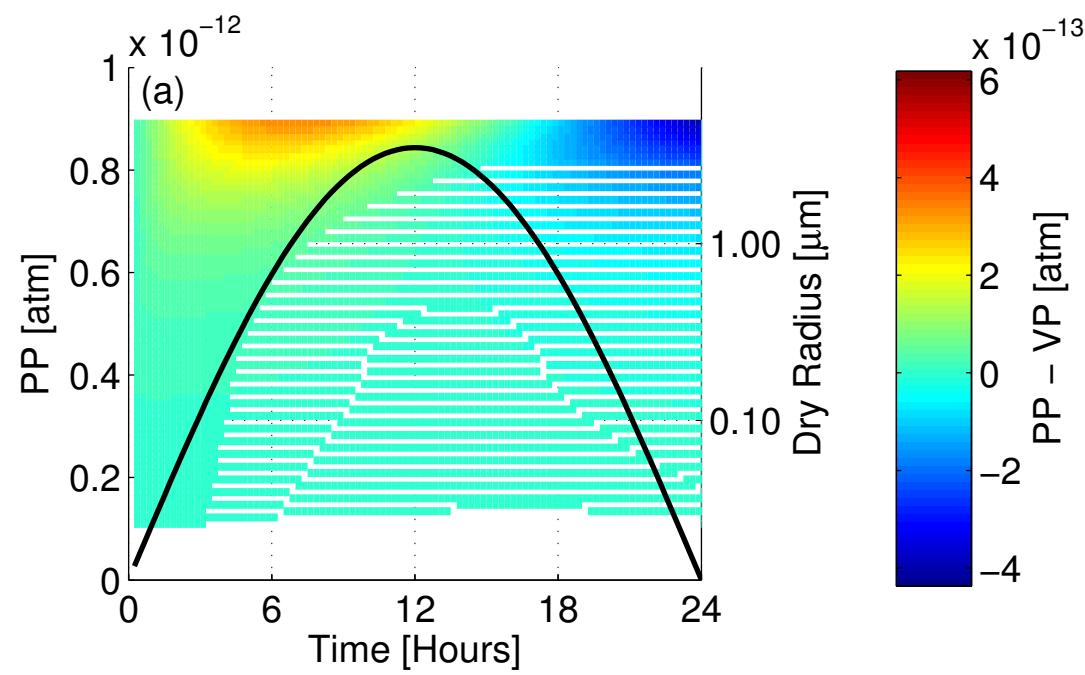
Compound 10



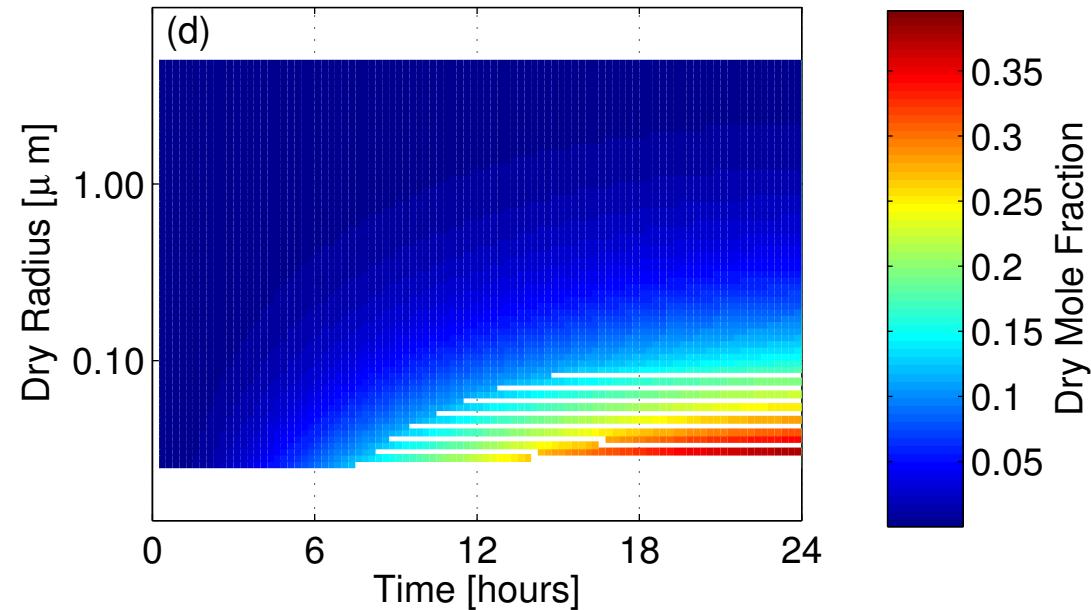
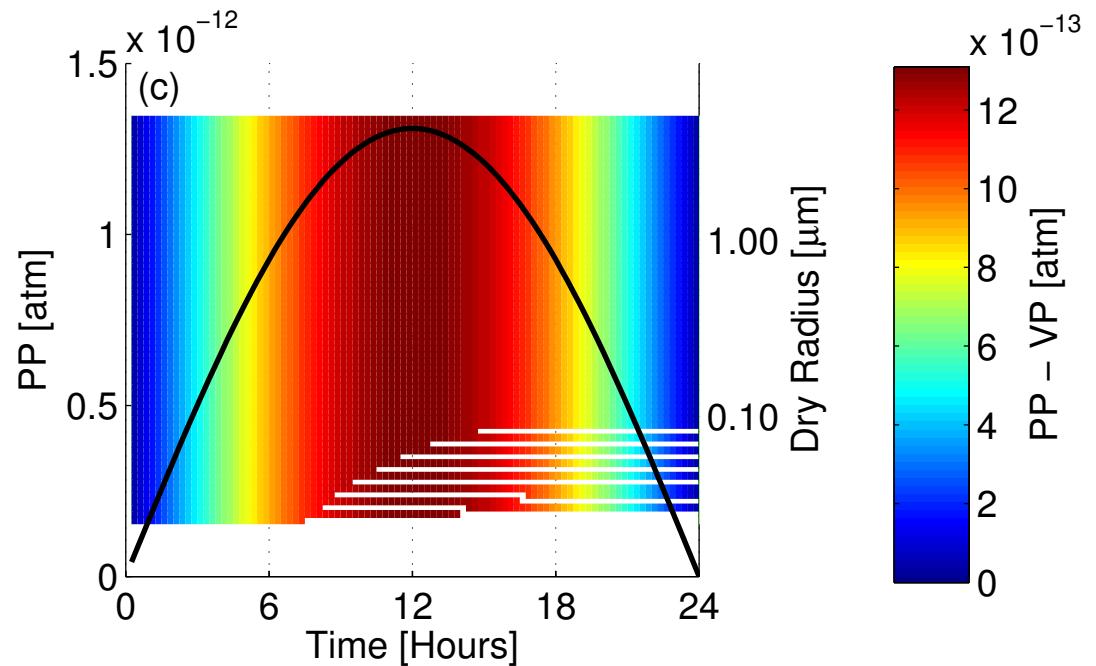
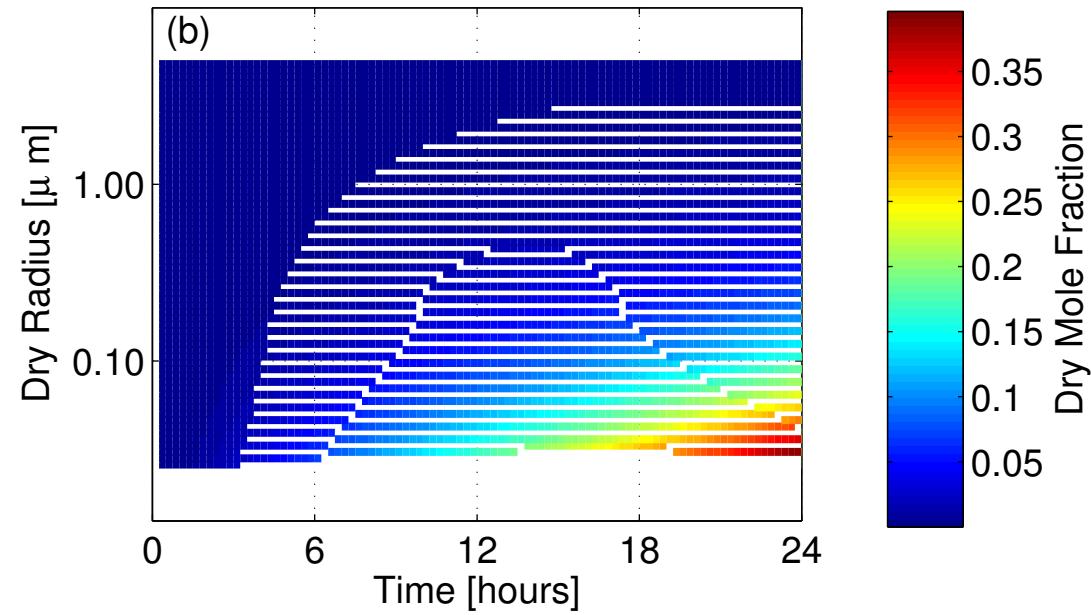
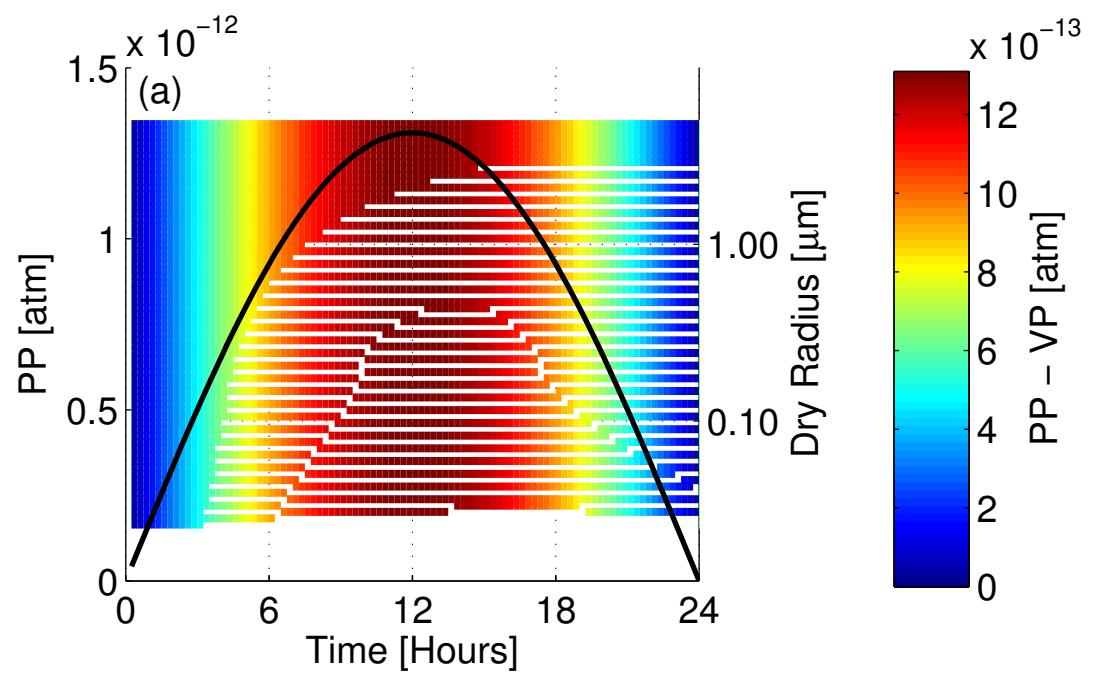
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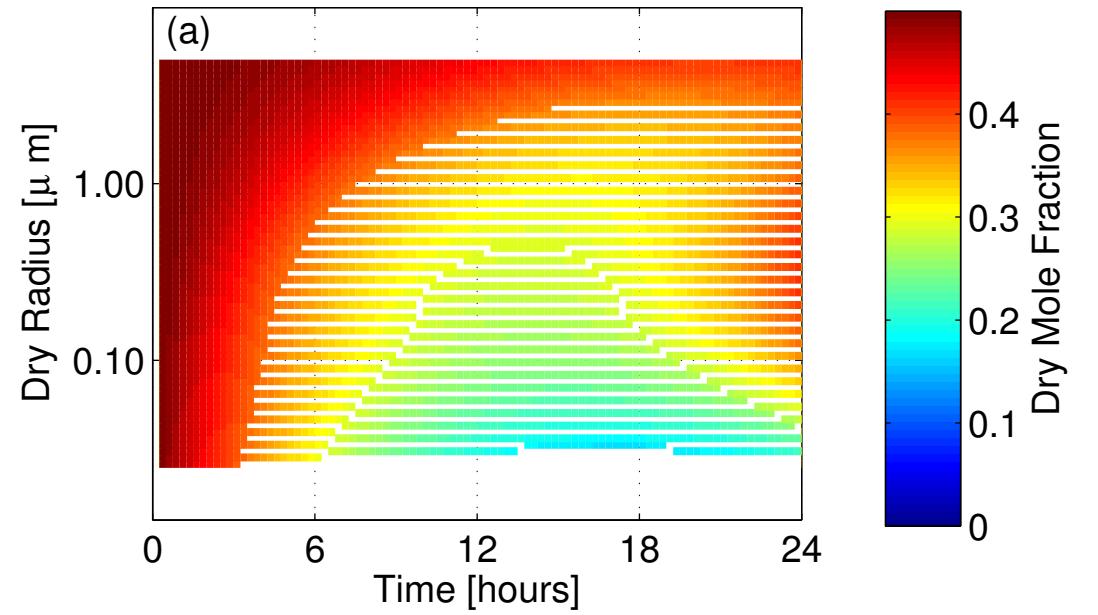
Compound 12



Compound 13



Compound 14



Compound 15

