

Name	Description	Resolution	Period
WRF_ref	Nested WRF simulation (meteorology only)		
WRF_ref_D01	model setup as in Table 1	Domain 01 (D01) $15 \times 15 \text{ km}^2$	Jan–Jun 2013
WRF_ref_D02	reference simulation	Domain 02 (D02) $3 \times 3 \text{ km}^2$	Jan–Jun 2013
WRFchem_ref	Nested WRF-Chem simulation (including aerosol and chemistry)		
WRFchem_ref_02_D01		Domain 01 (D01) $15 \times 15 \text{ km}^2$	Feb 2013
WRFchem_ref_02_D02	model setup as in Table 1 using	Domain 02 (D02) $3 \times 3 \text{ km}^2$	Feb 2013
WRFchem_ref_05_D01	EDGAR HTAP v2.2 emissions	Domain 01 (D01) $15 \times 15 \text{ km}^2$	May 2013
WRFchem_ref_05_D02		Domain 02 (D02) $3 \times 3 \text{ km}^2$	May 2013
WRFchem_BC	Nested WRF-Chem simulation (including aerosol and chemistry)		
WRFchem_BC_02_D01		Domain 01 (D01) $15 \times 15 \text{ km}^2$	Feb 2013
WRFchem_BC_02_D02	model setup as in Table 1 using	Domain 02 (D02) $3 \times 3 \text{ km}^2$	Feb 2013
WRFchem_BC_05_D01	updated emission flux for black carbon	Domain 01 (D01) $15 \times 15 \text{ km}^2$	May 2013
WRFchem_BC_05_D02		Domain 02 (D02) $3 \times 3 \text{ km}^2$	May 2013