

Test	Simulation ID	Simulation name	PBL scheme	Met IC & BC	Chem IC & BC	Init.	Emiss.
PBL	PBL1	1-YFM	YSU (Y)	NCEP-FNL (F)	MACC (M)	Free run	NEI2011
	PBL2	2-MjFM	MYJ (Mj)	NCEP-FNL (F)	MACC (M)	Free run	NEI2011
	PBL3	3-MnFM	MYNN3 (Mn)	NCEP-FNL (F)	MACC (M)	Free run	NEI2011
Initialization	Init4	4-MnER	MYNN3 (Mn)	ERA-Interim (E)	RAQMS (R)	Free run	NEI2011
	Init5	5-MnERi	MYNN3 (Mn)	ERA-Interim (E)	RAQMS (R)	Re-init (i)	NEI2011
Met IC & BC	Met5	5-MnERi	MYNN3 (Mn)	ERA-Interim (E)	RAQMS (R)	Re-init (i)	NEI2011
	Met6	6-MnFRi	MYNN3 (Mn)	NCEP-FNL (F)	RAQMS (R)	Re-init (i)	NEI2011
Horizontal resolution	Hor5	5-MnERi	MYNN3 (Mn)	ERA-Interim (E)	RAQMS (R)	re-init (i)	NEI2011
	Hor5–12km	5-MnERi-12km	MYNN3 (Mn)	ERA-Interim (E)	RAQMS (R)	Re-init (i)	NEI2011
Emission inventory	Em7	5-MnERiMeg	MYNN3 (Mn)	ERA-Interim (E)	RAQMS (R)	Re-init (i)	NEI2011 + MEGAN
	Em8	7-MnERiMeg-2OnG	MYNN3 (Mn)	ERA-Interim (E)	RAQMS (R)	Re-init (i)	NEI2011 (doubled oil & NG) + MEGAN