Thanks for taking time to read this guidelines. Please note that all the codes in this folder usually takes a relatively long time to run due to the model complexity. The model description and summary of the numerical results are in NOACS\_math.pdf.

To run the MLMC code, please

1, run NOAC.AF.model.main.3.R to load necessary files and data.

2, run MLMC\_Core.R to do a simple test locally.

3, run Parellel\_Core.R to run the code using parallel computing.

Please read the comments along run the code. Sorry for any inconvenience. It is really a complex model.

If any questions, please email fangwei.pku10@gmail.com.