

**Supplementary Material (SM)**

**Examining the Variability in Planetary Boundary Layer Height over Thailand: Correlations with ENSO and Aerosol Optical Depth**

**Sirapong Sooktawee<sup>1</sup>, Khwanruthai Renuhom<sup>1</sup>, Siriwan Kaewket<sup>1</sup>, Aduldech Patpai<sup>1</sup>,  
Pramet Kaewmesri<sup>2</sup>, Thongchai Kanabkaew<sup>3</sup>, Pichnaree Lalitaporn<sup>4,\*</sup>**

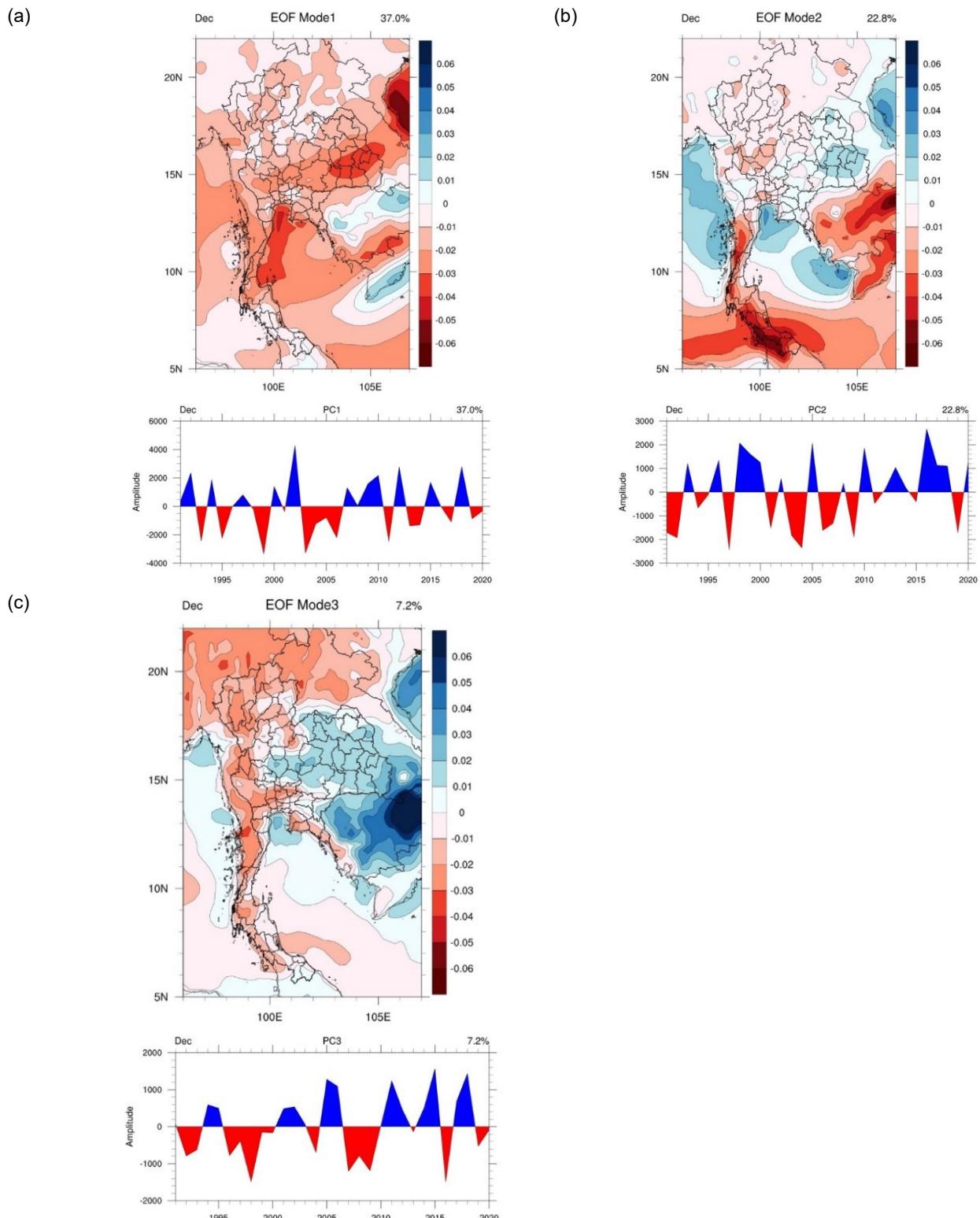
<sup>1</sup> Department of Climate Change and Environment, Ministry of Natural Resources and Environment, Bangkok, Thailand

<sup>2</sup> Geo-Informatics and Space Technology Development Agency (Public Organization), Ministry of Science and Technology, Bangkok, Thailand

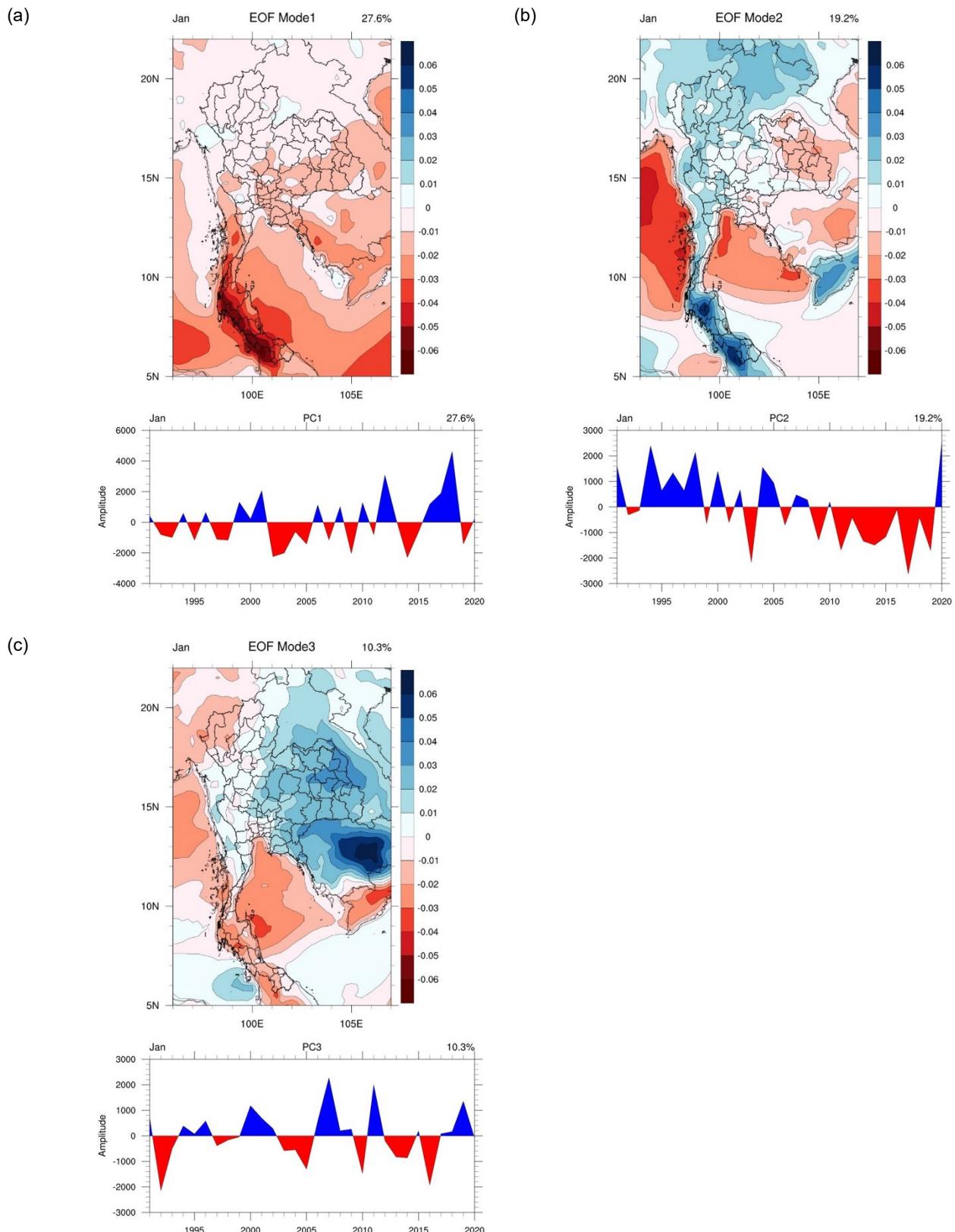
<sup>3</sup> Occupational and Environmental Health Program, Faculty of Public Health, Thammasat University, Pathum Thani, Thailand

<sup>4</sup> Department of Environmental Engineering, Faculty of Engineering, Kasetsart University, Bangkok, Thailand

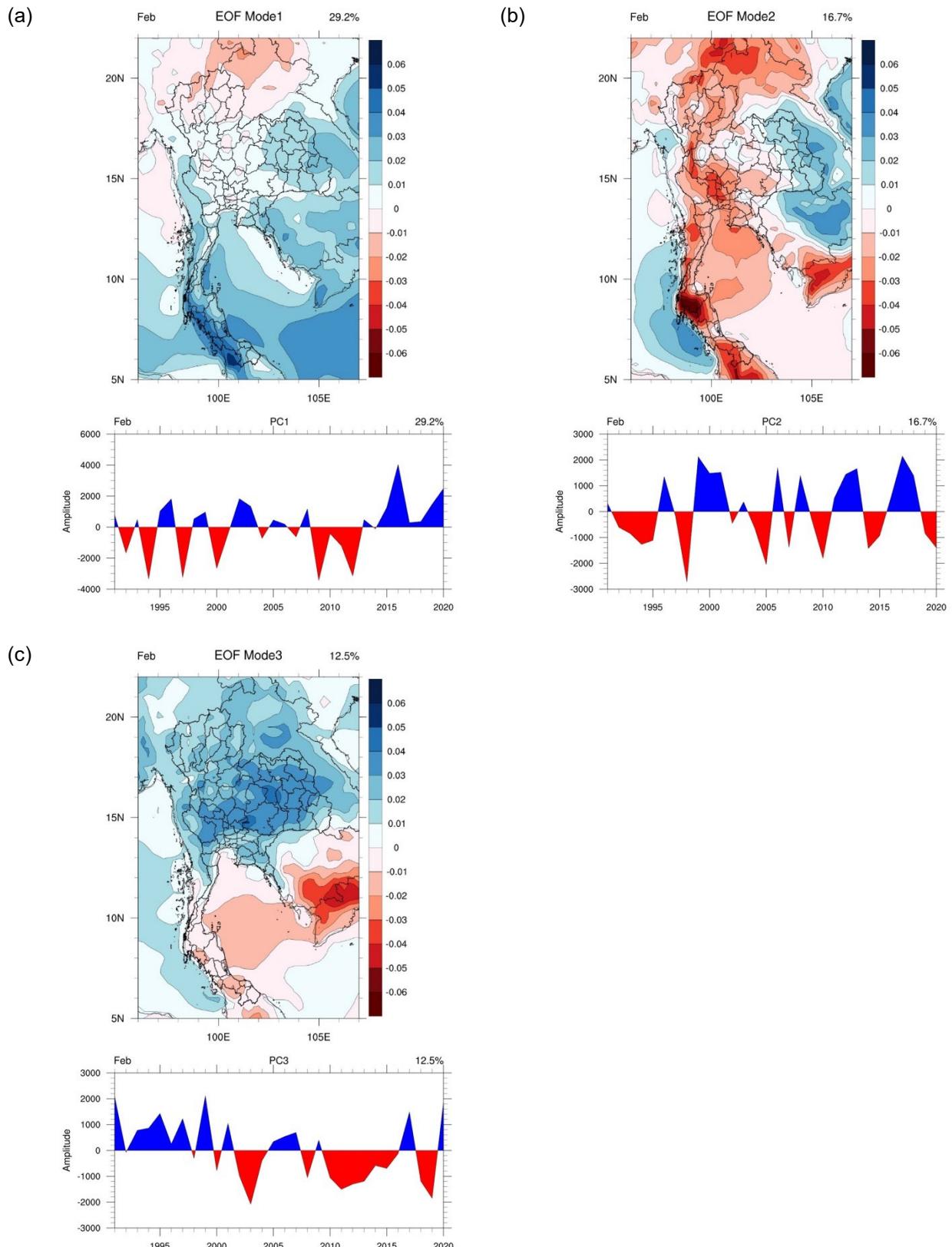
\*Corresponding Email: pichnaree.l@ku.th

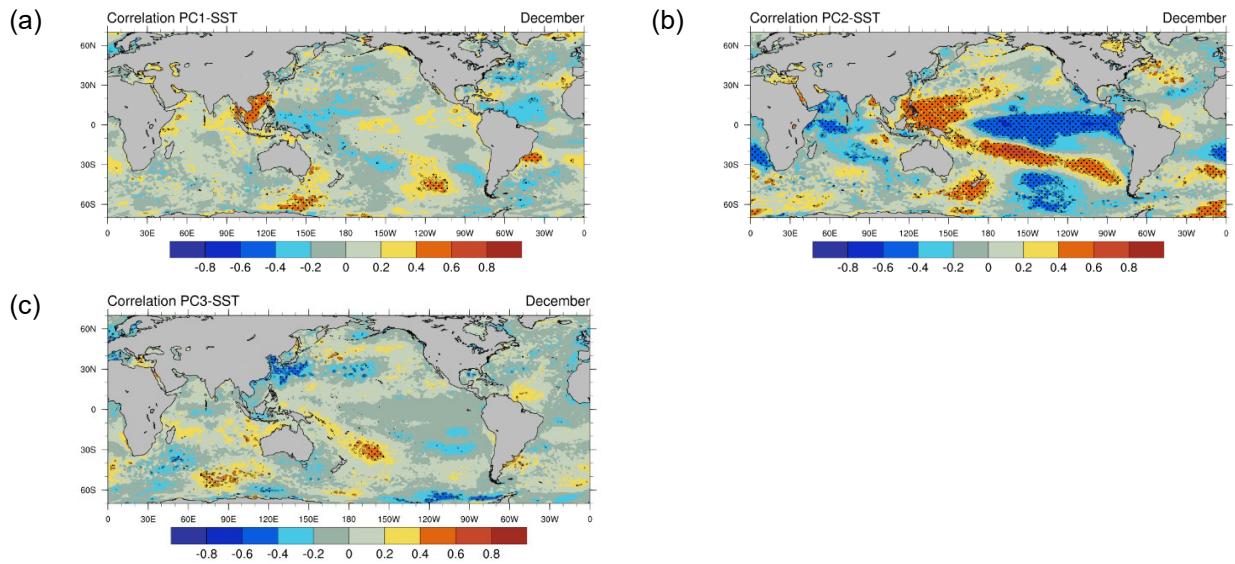


**SM 1** The first (a), second (b), and third (c) EOF modes for December.

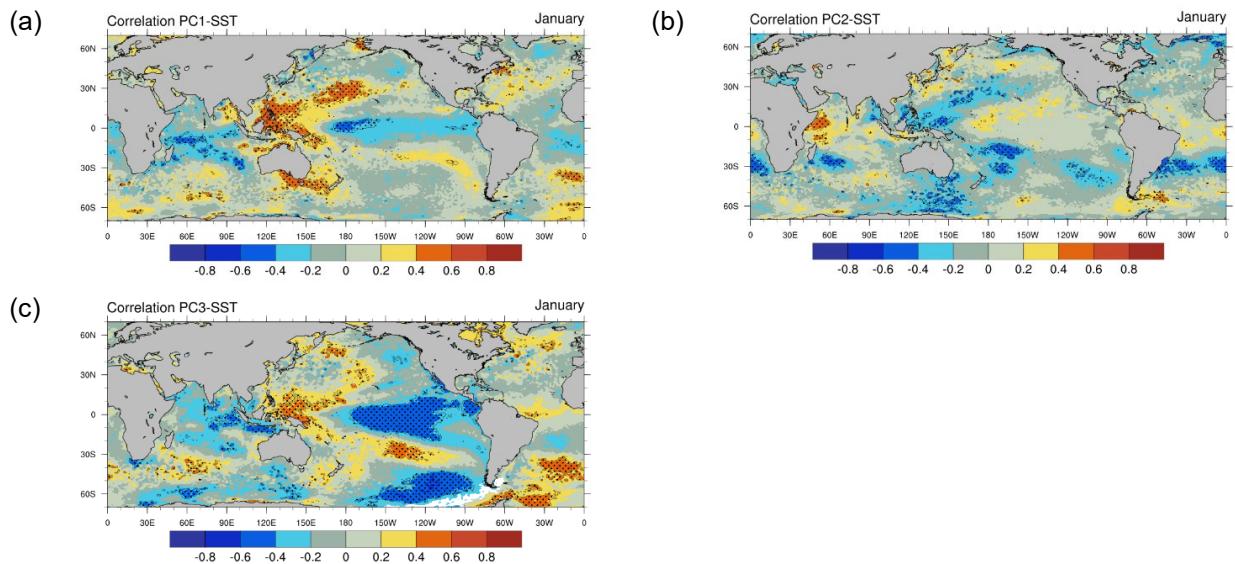


**SM 2** The first (a), second (b), and third (c) EOF modes for January.

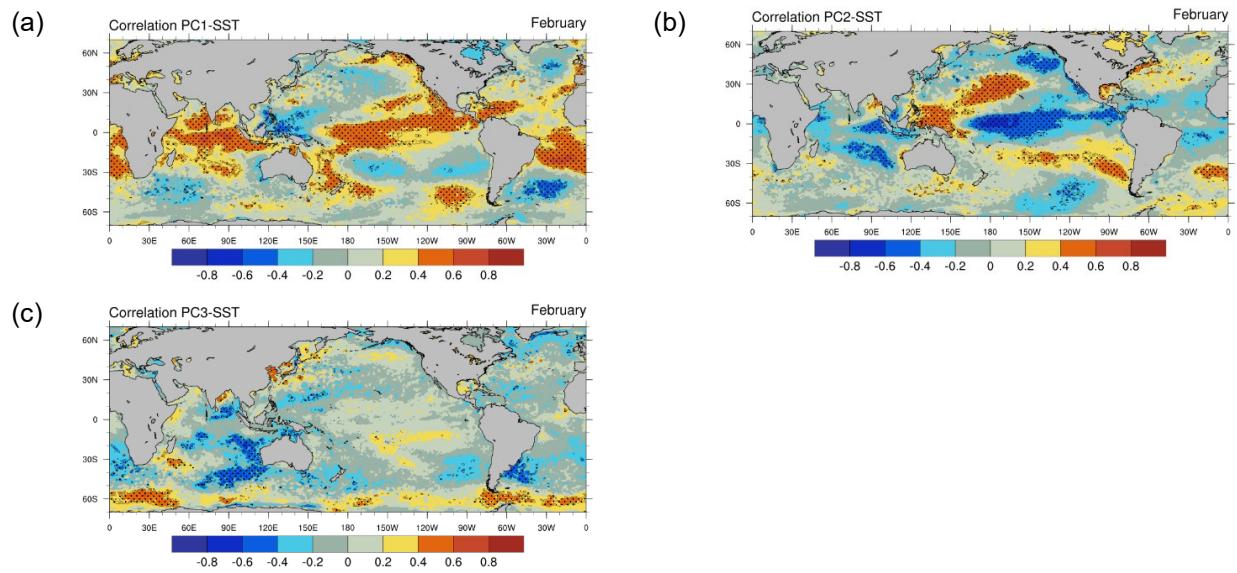




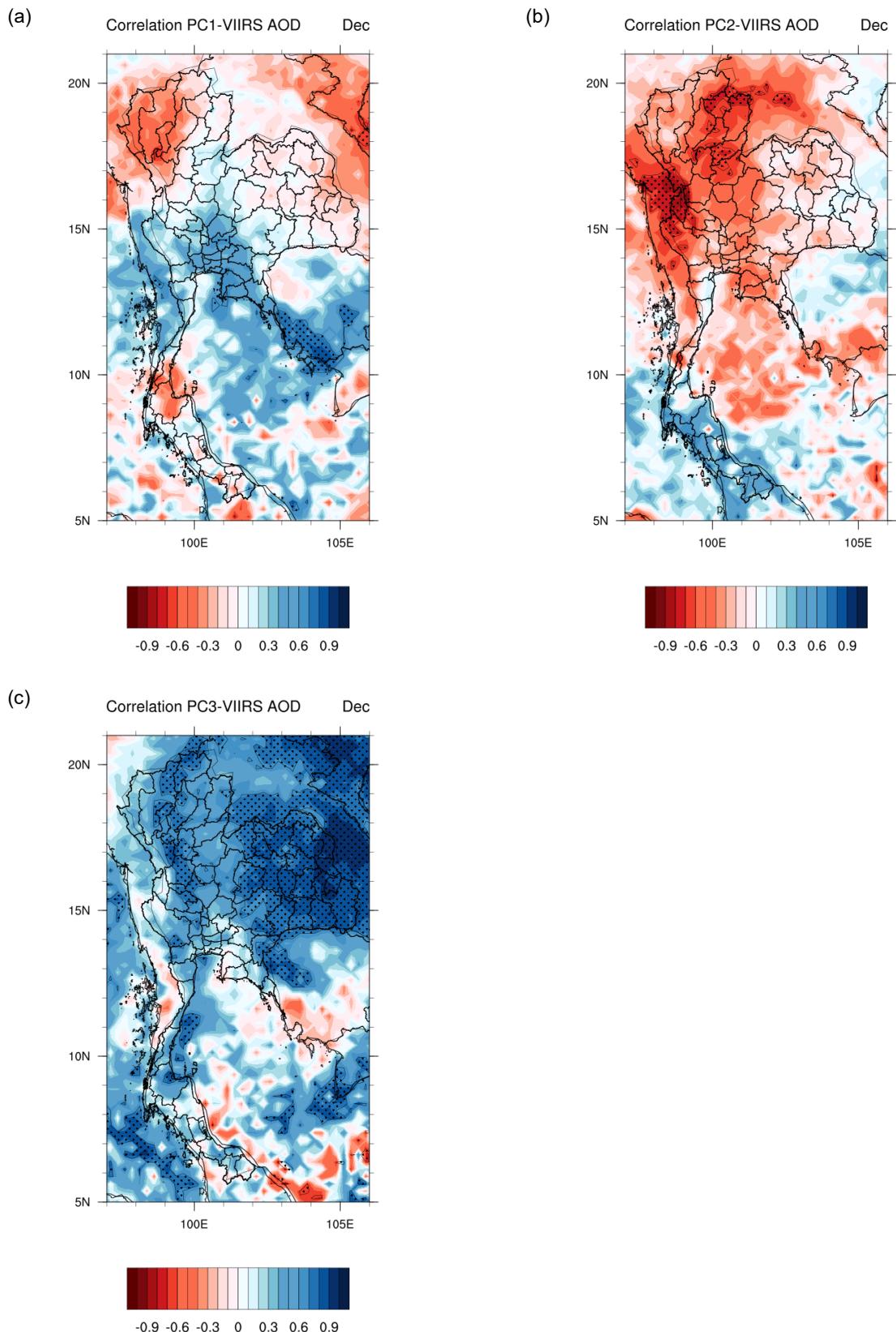
**SM 4** The first (a), second (b), and third (c) Correlation maps of PCs to SST for December.



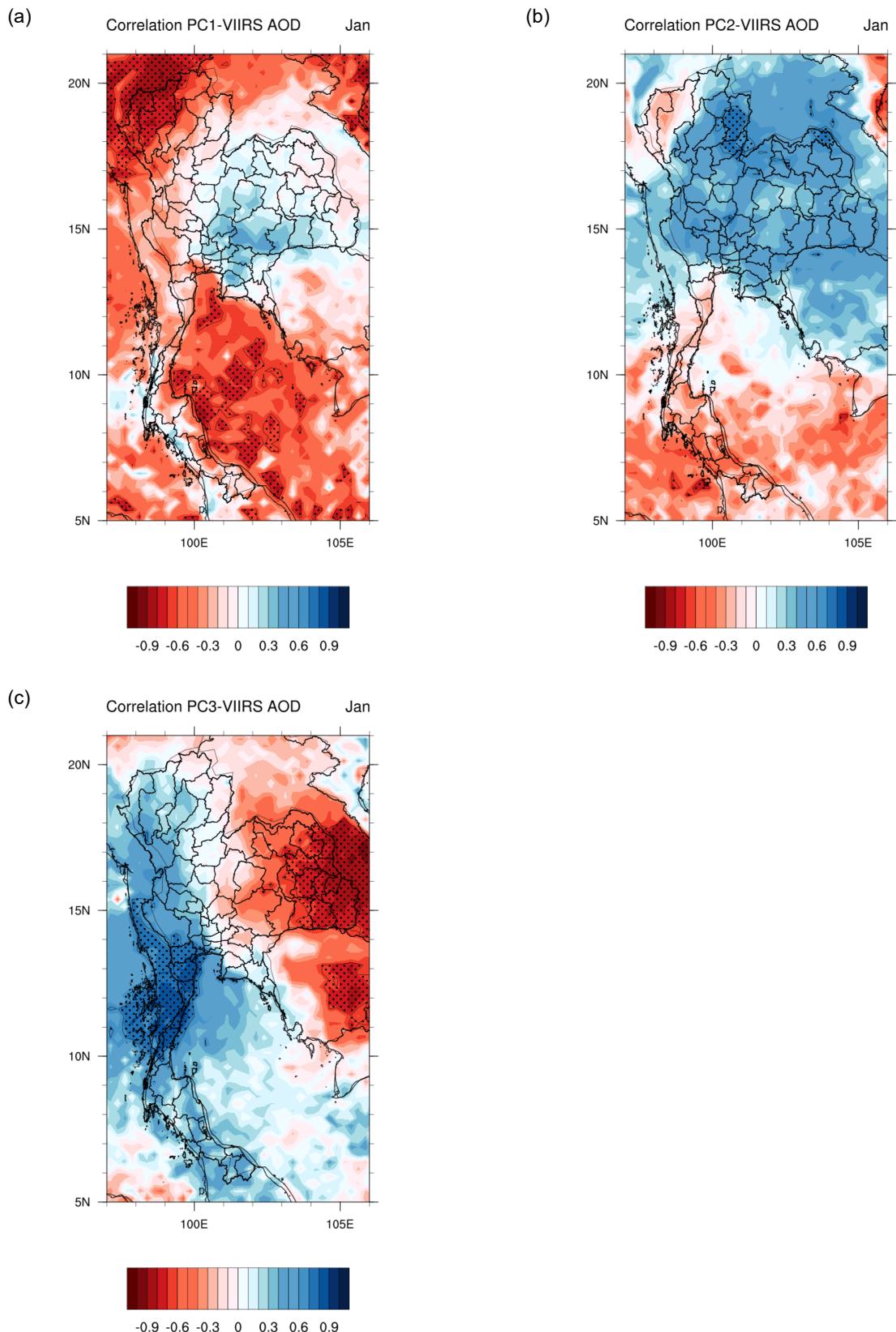
**SM 5** The first (a), second (b), and third (c) Correlation maps of PCs to SST for January.



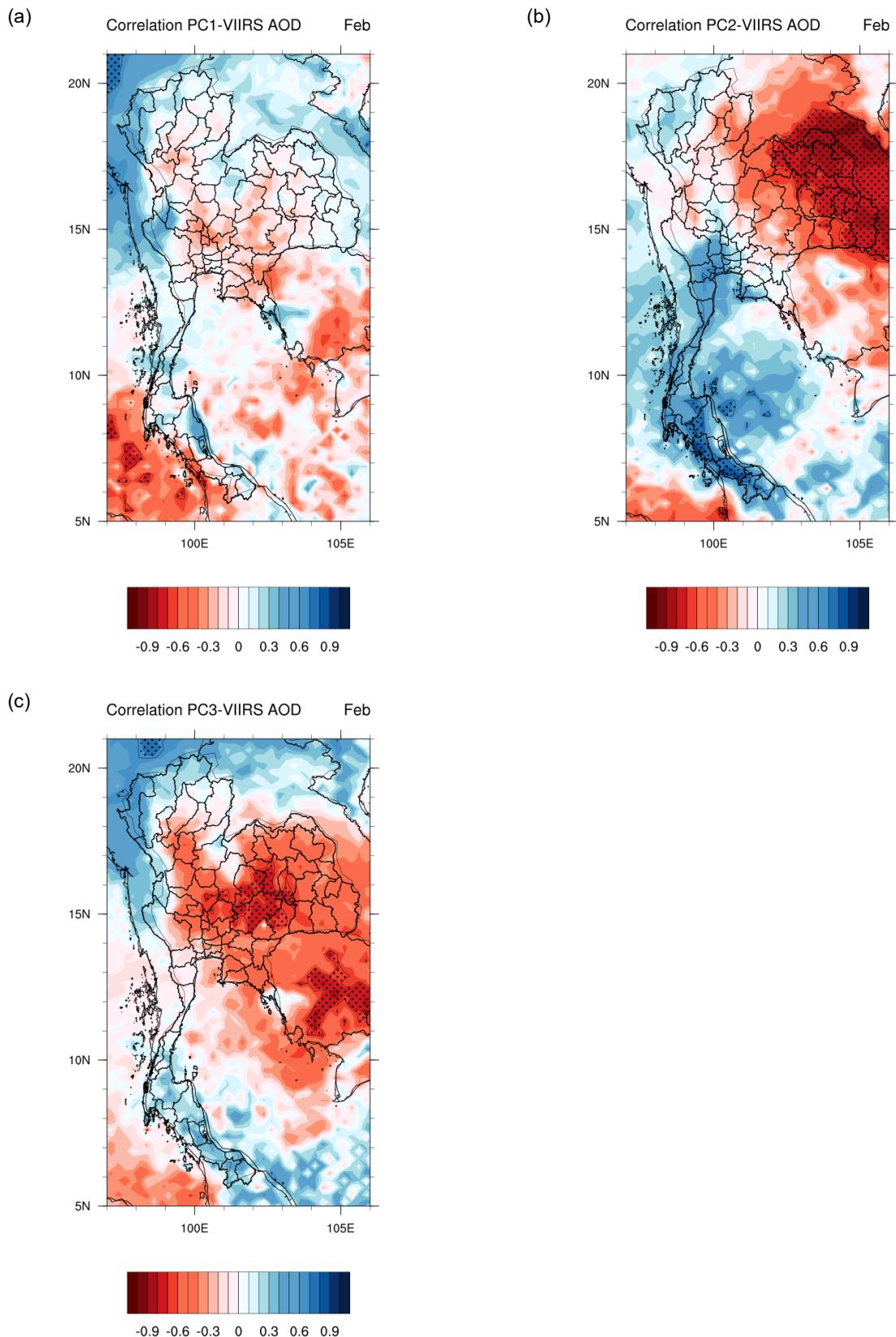
**SM 6** The first (a), second (b), and third (c) Correlation maps of PCs to SST for February.



**SM 7** The first (a), second (b), and third (c) Correlation maps of PCs to AOD for December.



**SM 8** The first (a), second (b), and third (c) Correlation maps of PCs to AOD for January.



**SM 9** The first (a), second (b), and third (c) Correlation maps of PCs to AOD for February.