

S18. THE DEADLY HIMALAYAN SNOWSTORM OF OCTOBER 2014: SYNOPTIC CONDITIONS AND ASSOCIATED TRENDS

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Table S18.1. Names, institutes, resolution, and ensemble size of the CMIP5 models used.				
Acronym	Model full name	Center/Institute, Country	Resolution (Lon. × Lat.)	Ensemble size
CanESM2	Canadian Earth System Model, version 2	Canadian Center for Climate Modeling and Analysis, Canada	2.8° × 2.8°	5
CCSM4	Community Climate System Model, version 4	National Center for Atmospheric Research, USA	1.25° × 1.0°	5
CESM1 (CAM5)	Community Earth System Model, version 1, with Community Atmospheric Model, version 5	National Science Foundation (NSF) – Department of Energy (DOE)–NCAR, USA	1.25° × 1.0°	3
GFDL-CM3	Geophysical Fluid Dynamics Laboratory Climate Model version 3	NOAA Geophysical Fluid Dynamics Laboratory, USA	2.5° × 2.0°	5
GISS-E2-H	Goddard Institute for Space Studies Atmospheric Model E, version 2, coupled with the Hybrid Coordinate Ocean Model (HyCOM)	NASA Goddard Institute for Space Studies, USA	2.5° × 2.0°	5
HadGEM2-ES	Hadley Centre Global Environmental Model 2, Earth System	Met Office Hadley Centre, UK	1.8° × 1.25°	4
NorESM1-M	Norwegian Earth System Model, version 1, intermediate resolution	Norwegian Climate Center, Norway	2.5° × 1.9°	3

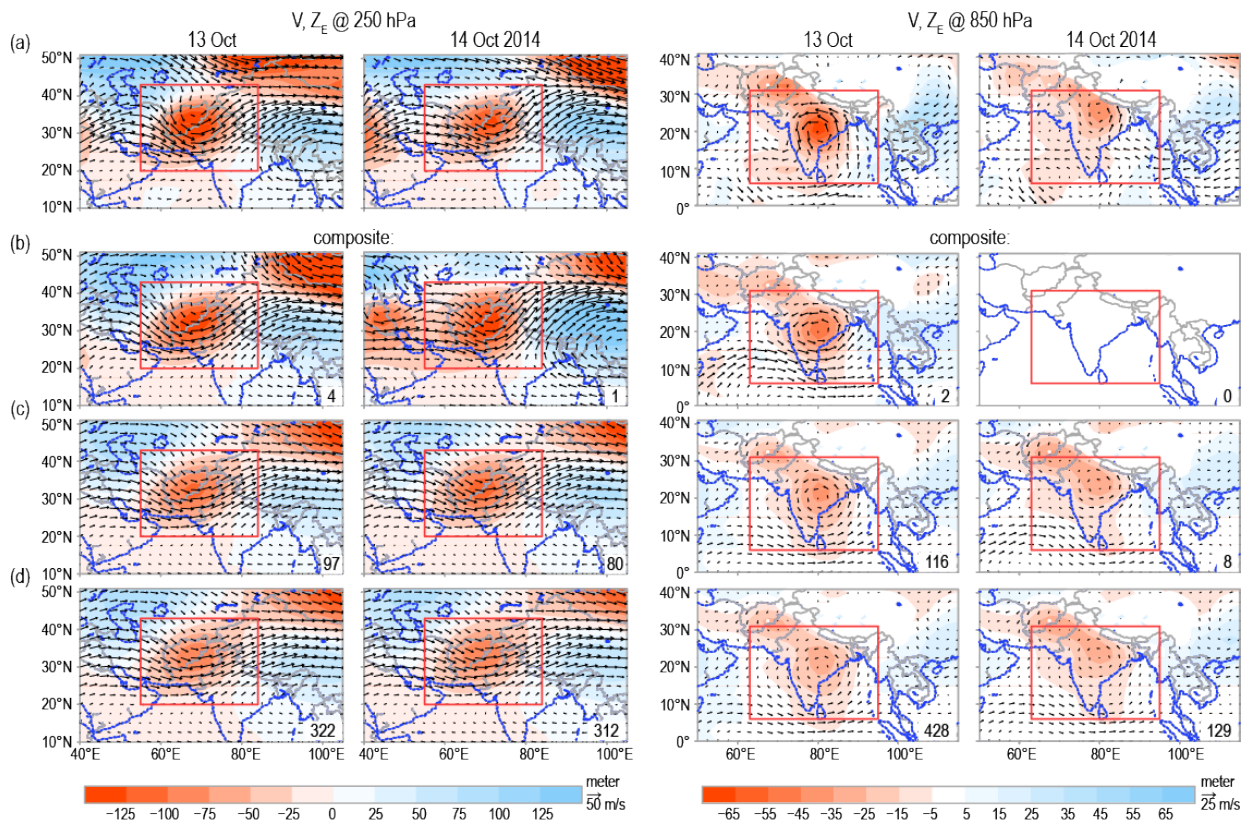


FIG. S18.1. (a) Observed daily wind vectors and eddy geopotential height (Z_E , shading) on 13 and 14 Oct 2014 at 250 hPa (two left columns) and 850 hPa (two right columns). Red box defines the comparison domain used in the case identification analysis. (b)–(d) Composites from cases meeting the correlation criteria of (b) 0.92, (c) 0.8, and (d) 0.7 for each pressure level, selected from 1948 to 2013 with the total number of cases indicated in the lower right corner.