

Contrasting influences of aerosols on cloud properties during deficient and abundant monsoon years

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Figure S3 | Box and Whisker plot of region-specific JJAS absolute values at the pixel level during deficient (grey) and abundant (white) rainfall years. (a) AOD, (b) CDER, (c) IWP and (d) CTP. Mean values during deficient and abundant rainfall years are significantly different at $P < 0.10$.

Figure S4 | Region-specific aerosol absorbing index JJAS anomalies during (a) deficient and (b) abundant rainfall years; and (c) Box and Whisker plot of the absolute values at each pixel. Figure was created using FERRET v7.0 (<http://www.ferret.noaa.gov/Ferret/>).

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Table S1. Number of break periods and days per break period during abundant and deficient rainfall years, based on the Indian Meteorological Department rainfall observations.

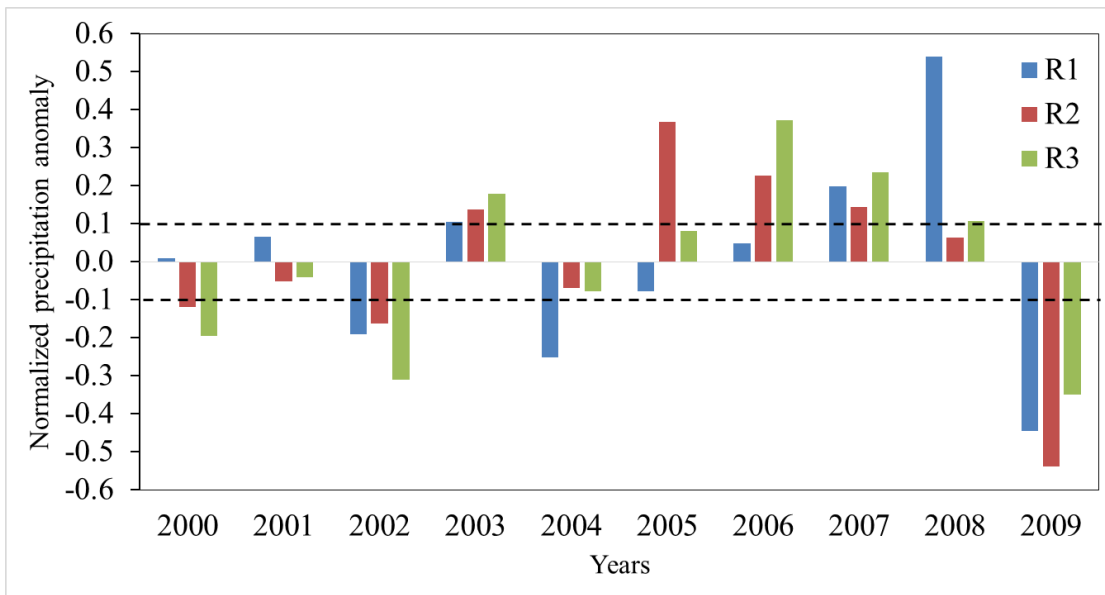


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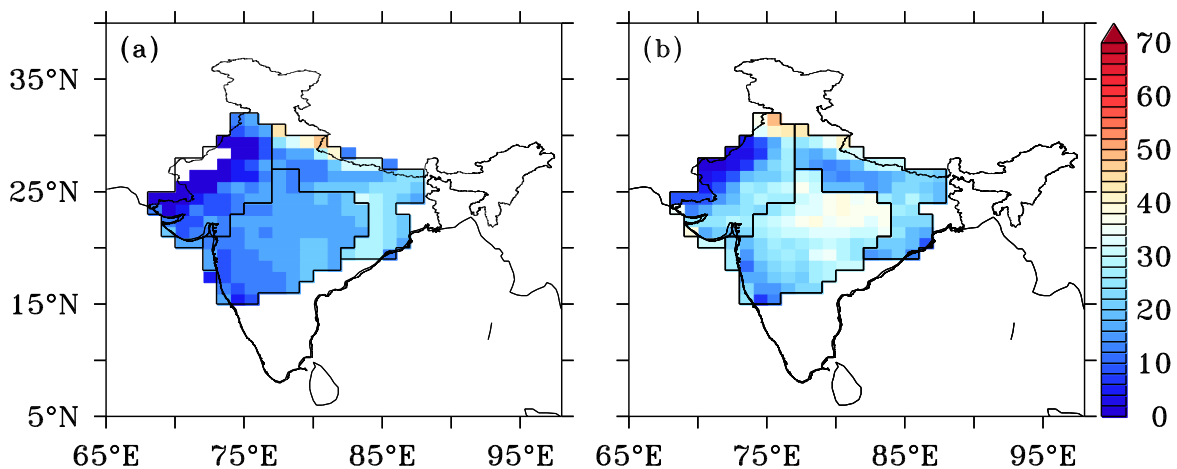


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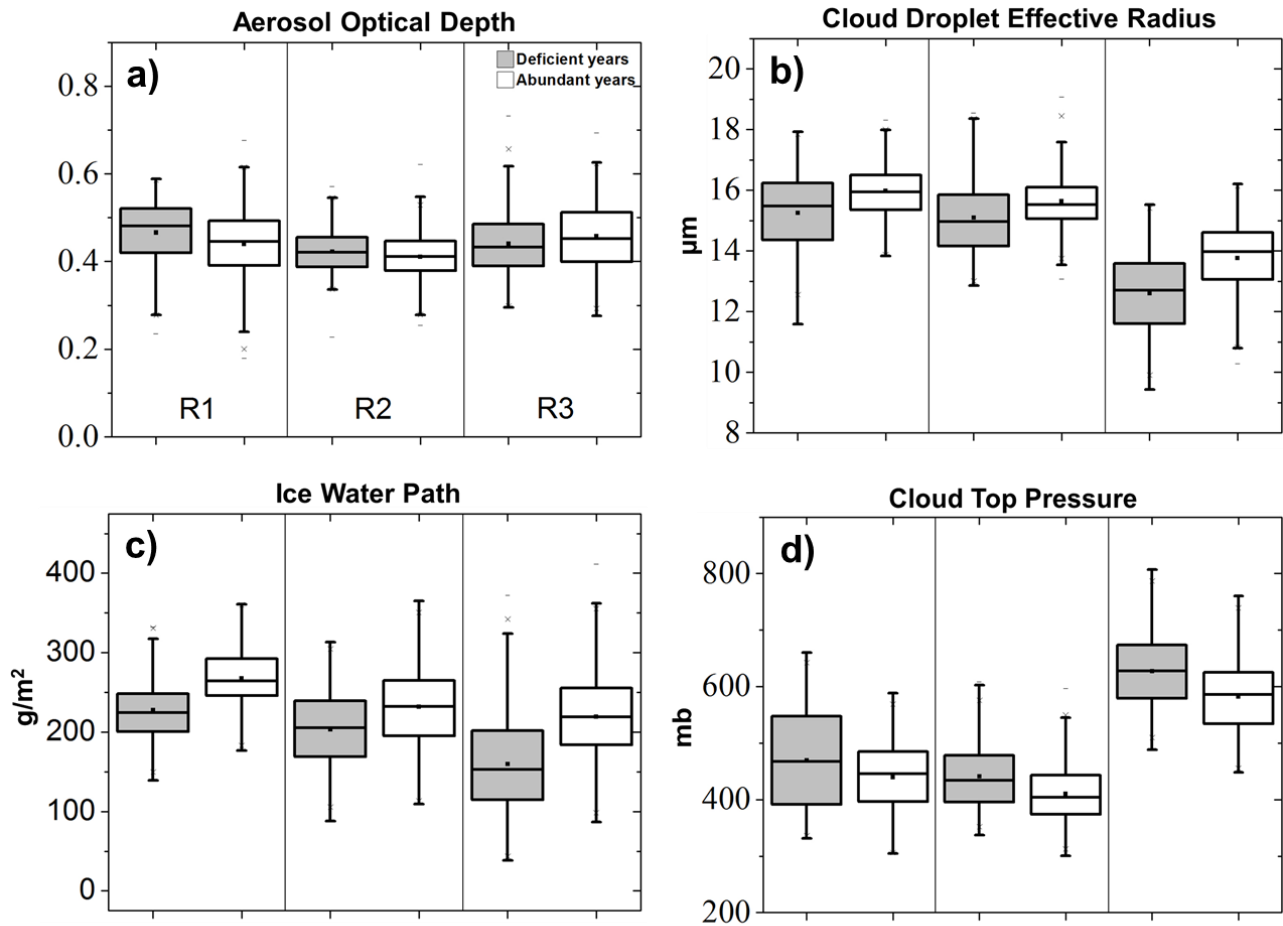


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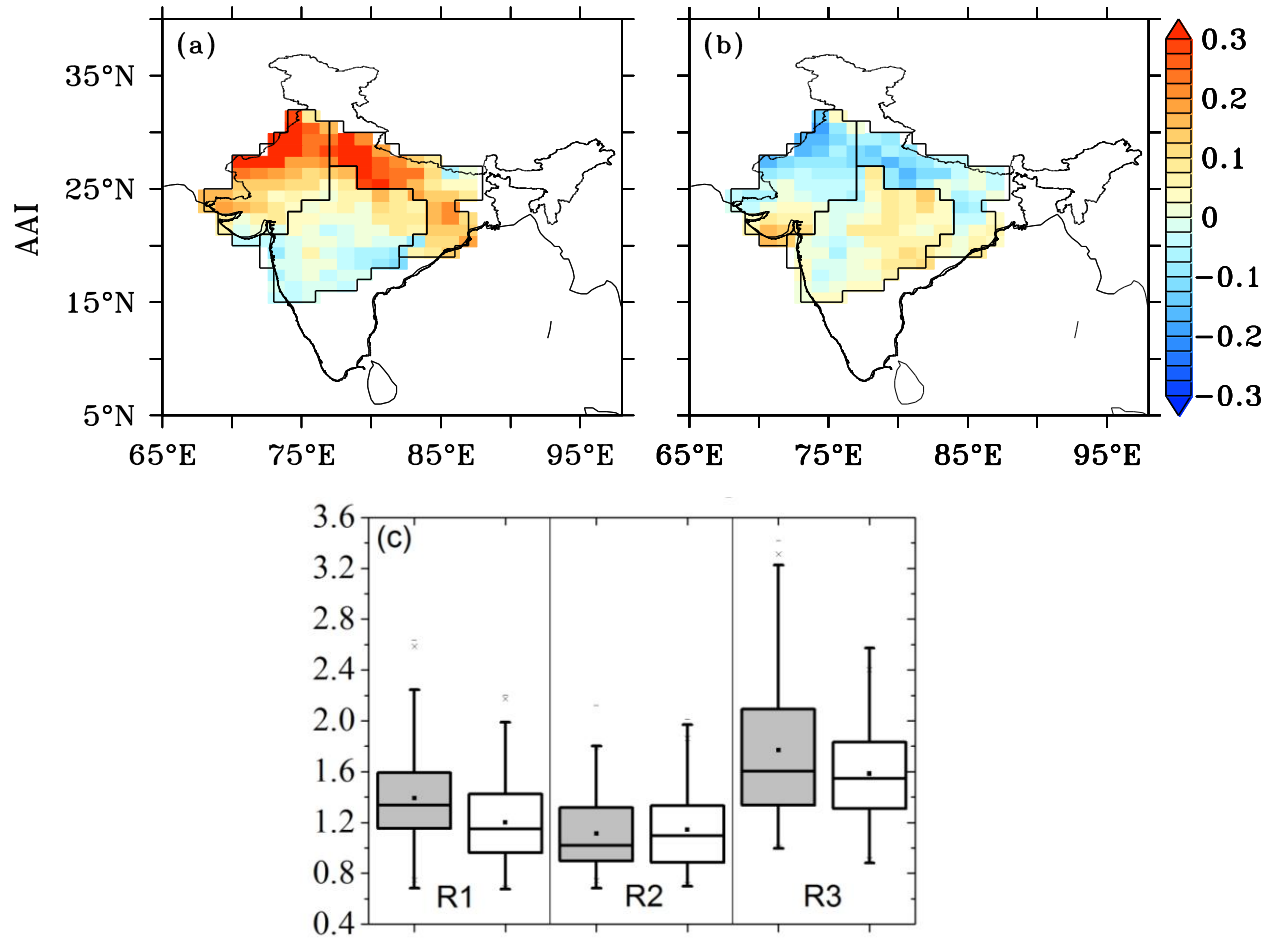


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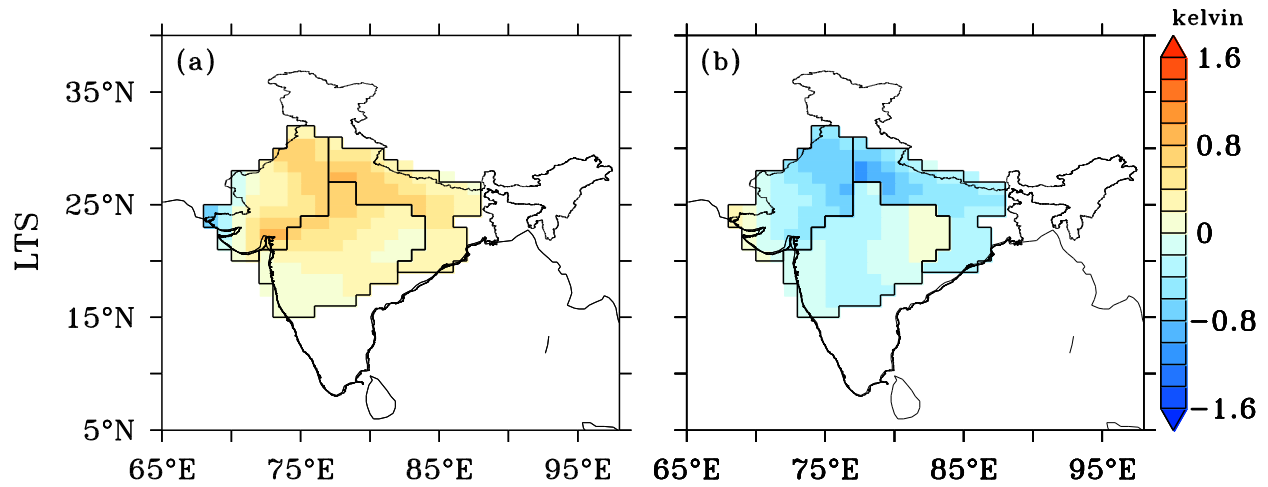


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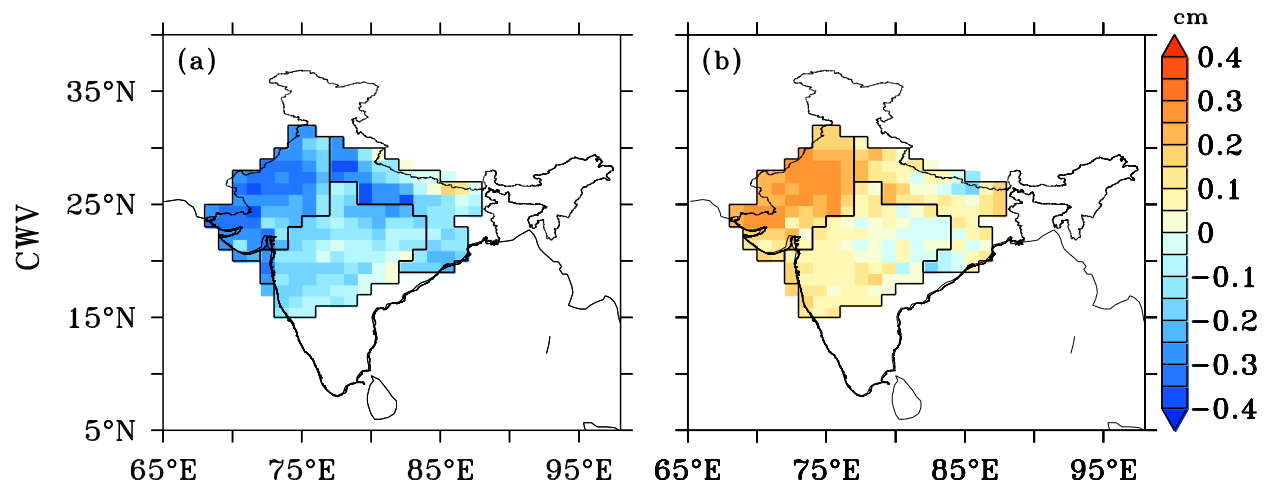


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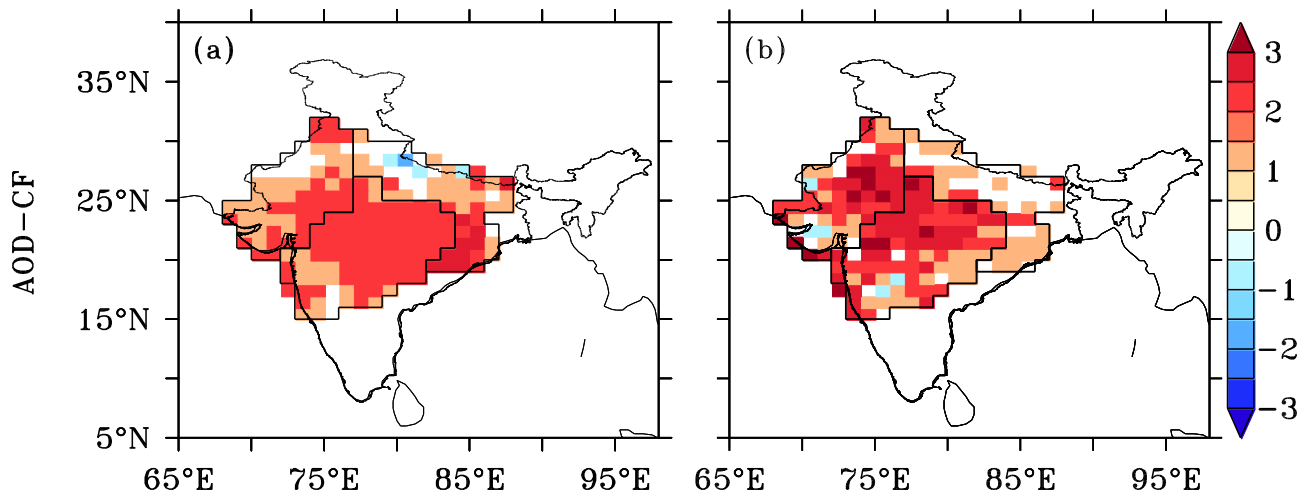


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Regions	Year (# breaks : # days per break)	
	Deficient rainfall years	Abundant rainfall years
R1	2002 (2 : 3, 5); 2004 (3 : 4, 3, 7); 2009 (3 : 7, 3, 3)	2007 (1 : 3)
R2	2000 (3 : 5, 3, 6); 2002 (2 : 11, 3); 2009 (3 : 4, 3, 7)	2005 (2 : 4, 3); 2006 (1 : 11); 2007 (1 : 3)
R3	2000 (1 : 4); 2009 (1 : 4)	No breaks