



# Supplementary Materials: The Spatio-Temporal Onset Characteristics of Indian Summer Monsoon Rainfall and Their Relationship with Climate Indices

Atul Saini <sup>1,2</sup>, Netrananda Sahu <sup>1,\*</sup>, Saroj K. Mishra<sup>3</sup>, Shipra Jain <sup>4</sup>, Swadhin Behera <sup>5</sup> and Sushil K. Dash<sup>3</sup>

**Table S1.** Years of different climate modes as well as flood and drought from 1951–2017.

Climate Mode	Years
La Niña	1954, 1955, 1970, 1973, 1975, 1988, 1999, 2000, 2007, 2010, 2011
El Niño	1951, 1957, 1965, 1968, 1972, 1976, 1987, 1997, 2002, 2006, 2009, 2015
Positive IOD	1961, 1963, 1983, 1994, 2012
Negative IOD	1960, 1964, 1974, 1981, 1989, 1992, 1996, 1998, 2014, 2016
Flood	1956, 1959, 1961, 1970, 1975, 1983, 1988, 1994
Drought	1951, 1965, 1966, 1968, 1972, 1974, 1979, 1982, 1985, 1986, 1987, 2002, 2004, 2009, 2014, 2015