

Volcanic Signals in Temperature and Precipitation Time Series of Iran

S A Masoodian (Department of Geography, University of Isfahan, Isfahan, Iran; ph. +98(311)7933133; fax +98(311)7933151; e-mail: porcista@hotmail.com); H.Zeynali (Department of Geography, University of Isfahan, Isfahan, Iran; ph. +98(311)7933133; fax +98(311)7933151)

Iran is located in mid latitude dry zone. So variations of precipitation and temperature is very high both in time and space. The main cause of the tempo-spatial variations of climatic variables in Iran is the changing position of synoptic systems affecting the country. During the past century we could detect the signals of great volcanic eruptions in temperature and precipitation time series in four sample stations around the country. This paper try to show how remote huge volcanic eruptions during the past century put their signals in temperature and precipitation time series through teleconnection mechanism.