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# Propagation of out-going longwave radiation (OLR) field over the Indian ocean

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Propagations of Outgoing Longwave Radiation (OLR) field over the Indian Ocean during the period of 1974-1990 is examined by using time Longitudinal and time Latitudinal sections. During the time period of 1974 - 1990 there are two types of OLR fluctuations prominent in the equatorial Indian Ocean. The period of 1974 - 1982 exhibit dry type (low convective activity) behaviour while the other period 1983 - 1990 shows slightly wet type (High convective activity) behaviour except several years. Considering the time period 1974 to 1990 a most dry type of OLR fluctuation took place over the Sri Lankan area in 1976 and wet type OLR fluctuation exist in the years of 1984, 1985 and 1988 with compared to the rest of the years. There was an increasing tendency in convective activity most of the equatorial areas during the period from 1980 to 1990. It is noted that slightly high convective activity in the region during 86/87 El ?Nino event when compared with the 76/77, 82/83 El-Nino events. It was observed that OLR anomaly movement initiate to propagate towards the Pacific Ocean from western Indian Ocean prior to development of El-Nino / La-Nina events in the Pacific Ocean.