

STUDY ON H' VALUES ANOMALIES BEFORE 11 GROUPS OF M_s 6.5 STRONG EARTHQUAKES IN YUNNAN

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Abstract :According to limit time method ,the h' values of 11 groups of M_s 6.5 strong earthquakes since 1970 in Yunnan province are calculated. The results show : h' anomalies appeared before 11 groups of M_s 6.5 strong earthquakes with sudden decrease of 28%(the average amplitude) , meaning quiet anomaly of seismicity. It is the key index for make prediction. In 11 groups of strong event ,8 of the seismic process show the seismogenic mode of activation - quiet - main earthquake , which posses 73% of all ; 3 are activation - quiet - activation (short - term) - main shock mode , which posses 23% ; It was displayed clearly for quiet or activation of seismicity before strong earthquakes. Making forecasting to 11 groups of strong earthquakes suggests that forecast time is about 5 months.

Key words : Strong earthquake ; Limit time ; H' value ; Normalization of accumulative time