

## The statistical analysis on earthquake days and lightning days in and around Japan by using data of LIS aboard TRMM

# Masaki Ichihashi[1]

[1] Dept. of Abst. & Index.,Japan Sci.& Tech.Corp.(JST)

The statistical analysis was conducted on earthquake days and lightning days in and around Japan (30N-38N) during the past 3 yeras by data of Lightning Imaging Sensor (LIS) aboard TRMM. The result was that in and around Japan, particularly in the central part of Japan (133E-145E), (1) the ratio of lightning days is greater in earthquake days and the ratio of earthquake days is greater in lightning days, (2) the greater the seismic intensity or M becomes, the more the ratio that earthquake(s) and lightning(s) occur on the same days, (3) the ratio of lightning days to earthquake days with the same occurrence frequency is greater for seismic intensity than for M.