

## Relationship between global equivalent Sq current system and local geomagnetic Sq field

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Relationship between global equivalent current system and local geomagnetic Sq field in the Y (Sq(Y)) and Z (Sq(Z)) components was examined. It was found that Sq(Y) is more correlated with the global current system, probably because Sq(Z) is more sensitive to the local structure of the Earth's conductivity. More detailed relationship will be discussed in the presentation.

Keywords: geomagnetism, daily variation, global field, local field