

## **Global Spherule Layers: a Status Report**

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On the basis of IGCP 384 the following global spherule layers were distinguished: (1) Precambrian (3.24-3.27 Ga): Impact spherule layers in South Africa and Western Australia. (2) Precambrian-Cambrian transition: Magnetic and glassy spherule layers in India (possibly a global layer). (3) Uppermost Permian: Small magnetic Fe-Ni spherules of interstellar (supernova) origin in Hungary, Austria, France, Iran, South China, Japan and Antarctica; (4) K/T Boundary: Glassy spherule and mikrotektite layers came from the K/T boundary "impact drum-fire" in Caribbean Region, Brazil, Mediterranean Region, India and China (?). (5) Eocene-Oligocene transition: Well separated impact spherule layers in all investigated area (Europe, Asia, North America, Antarctica and deep sea drilling samples from the Atlantic and Indian Ocean) probably connected with the Popigai (Siberia) impact event.

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