



planck

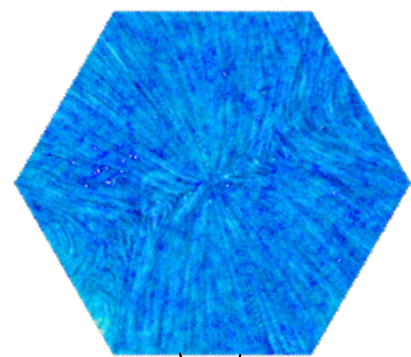
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# Thermal Dust magnetic field paper sky ball



Galactic south pole

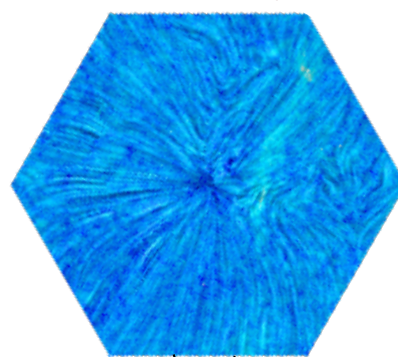


3

Alternative pole label



Galactic north pole



2

Dust grains in the interstellar medium typically rotate with their long axis perpendicular to the direction of the magnetic field and generate polarized thermal emission at  $90^\circ$  to the field. Here that  $90^\circ$  twist is added to polarization data to trace the magnetic field shown as the fine grain grey structure that is superimposed on the coloured unpolarized thermal dust map.

