Field reconstructed from erronious position information.
$\sigma = 10.0$ km, 200x200 grid, $\vec{B}_{\text{SW}} = B_0 (0.0, -0.71, -0.71)$
Colorbar maximum = 99th percentile

$\delta B_x / B_0$

$\delta B_y / B_0$

$\delta B_z / B_0$

$|\delta \vec{B}| / B_0$