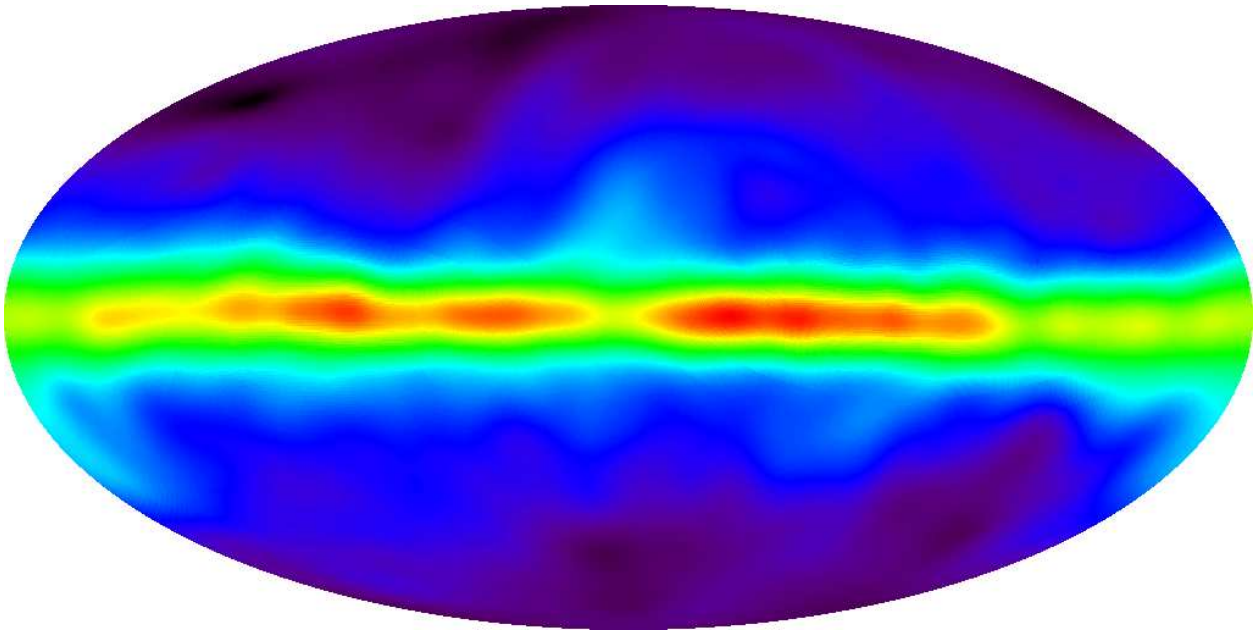
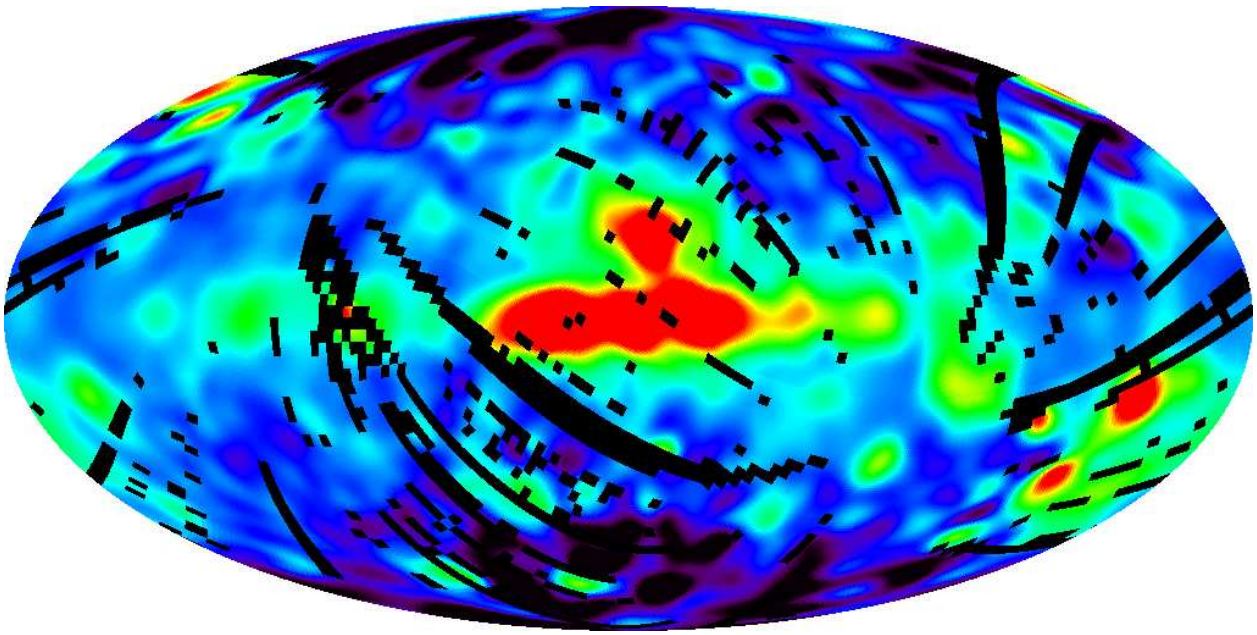
$N(\mathrm{H\ I})$



$4\pi I(\mathrm{C}^{+})/N(\mathrm{H\ I})$