



Figure 7. Maps of solid-angle-corrected gamma-ray fluxes originating from (a) Si, (b) O, and (c) K at varying spatial resolution in the northern hemisphere of Mercury. The color scales for each map range from zero to two times the average count rate, facilitating comparisons of the relative variations for all three elements. Variations in the K count rate (about a factor of 4) are substantially larger than those for Si and O ($\pm 20\%$).