



Fig. 8. Clementine and Lunar Prospector data for South Pole-Aitken Basin. The equator is the solid thick line at top. Latitude grid is in  $10^\circ$  increments; longitude grid is in  $20^\circ$  increments. “X” marks the nominal antipode of Imbrium and “+” the antipode of Serenitatis. (a) Clementine 750 nm albedo mosaic with L-ISCT areas indicated by black boxes; (b) LP Thorium; (c) LP Iron; [For (b) and (c) higher values are darker for clarity.] (d) Clementine Topography (low values are dark).

unusually mafic nature of the SPA interior (Lucy et al., 1995; Pieters et al., 2001).

Within the context of SPA’s unique properties, a superimposed geochemical anomaly occurs in the northwest

region of the basin (Fig. 8b). Two areas of notably higher thorium content are observed south of Ingenii and north of Leibnitz and are designated L-ISCT areas (Fig. 8a). They are found near the craters Oresme V (50 km diameter;