



**Plate 7.** February 9, 2004 Mars Express image of the Echus Chasma region of Mars (north of Valles Marineris). (a) Color composite image of part of orbit 097. Red = channel 3 ( $0.75\ \mu\text{m}$ ); green = channel 2 ( $0.53\ \mu\text{m}$ ); blue = channel 1 ( $0.45\ \mu\text{m}$ ). The area outlined in white is enlarged in b. (b) Color fraction image based on spectral-mixture analysis. Magenta and yellow areas are interpreted as smooth at the sub-pixel scale ( $<50\ \text{m}$ ). See Section 7.2.3. Images derived from data supplied by the European Space Agency and G. Neukum.