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Título: The “dusty” environment around asteroid (65803) Didymos, the target of the AIDA mission.

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Resumen: An large number of Near Earth Asteroids (NEAs) in the range of a few hundred meters to a few kilometers in size are found to have relatively high spin rates (less than 4 hr, down to ~2.3 hr). Due to their high spin rate local acceleration near their equator may in some case be directed outwards so that lift off of near-equatorial material is possible. In particular, this is the case of the primary of the (65803) Didymos binary system, target of the ESA-NASA led AIDA mission. What are the effects of that phenomenon on surface material at any asteroid latitude and distance from the surface? What is the mass density around this object?