



SMART-1 Moon impact in August 2006: predictions and observation campaign

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SMART-1 was launched in 2003 and is currently orbiting the Moon on a 5 hours period until impact in August 2006. The Moon impact will take place in grazing incidence with mass of 285 kg at a velocity of 2 km/s in a latitude around 37 degree south. A slight thrusting will be operated in June to fine tune the exact time of impact. At present possible arrival time scenarios are around 3-5 August or 27-28 August, to permit near-side impact and adequate illumination conditions, for observations. We'll describe the final expected operations affecting the conditions for impact. We call the community to make predictions of impact magnitude, cloud ejecta dynamics, exospheric effects and other observables. We also call the ground-based observers to perform coordinated measurements of the impact phenomena. The coordinated multi-site campaign will be discussed at EGU.