



SMART-1 D-CIXS: review of results and legacy after 10 years

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The D-CIXS X-ray spectrometer and its successor, the C1XS spectrometer on Chandrayaan-1 pioneered a new era for planetary X-ray spectroscopy, using modern solid state detectors. Highlights included the first measurements of elemental abundances at 50 km resolution of the lunar surface, the first direct measurement of calcium and sodium x-ray fluorescence from the lunar surface, and the first measurements of PIXE emission from lunar surface. We will review the lessons learned, and the outlook for this technique.