

AN INERTIAL DUST SEPARATOR FOR THE COLLECTION OF DEBRIS FROM LARGE HIGH-EXPLOSIVE AIR BURSTS

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This paper describes a simple device designed to meet a requirement to collect airborne debris generated by large high explosive air burst. It includes details of design, testing and calibration. The device has been fielded on a UK trial using approximately 1 ton HE and also on the recent Misers Gold event (4 kt nuclear equivalent) at White Sands Missile Range. While a full analysis is awaited, a partial set of results is presented from both trials.