

This file is to be provided with Digital Elevation Models created as part of the National Dryland Salinity Program under the guidance of the Land Monitor Group.

DATA FORMATS

The files provided are in, ERMapper Bil (4 byte real), ESRI ArcGIS GRID and ASCII format with X, Y and Z coordinates.

PHOTOGRAPHY SCALE

Grid elevation data provided has been generated from 1:40,000 scale black and white images from either film diapositives or digital images metrically scanned at 14 micron intervals.

AEROTRIANGULATION

Aerotriangulation was carried out using a well designed survey control layout with additional GPS coordinates for photography exposure stations. The observation process was generally performed using image correlation techniques with some observations using pugged film diapositives on a ZEISS analytical workstation. Adjustment of blocks were performed using either MatchAT or PATB software.

DIGITAL ELEVATION DATA

Data has been generated using digital photogrammetric workstations (DPW) softcopy systems.

The data has a grid layout with a 10 metre horizontal spacing on the Geocentric Datum of Australia (GDA)

Grid data using automated image correlation techniques has an expected vertical accuracy of +/-1.5 metre at the 90% confidence level.

Due to the automated processes used, isolated large errors may be found in this data due to poor correlation in paddocks, large rock outcrops, sharply rising breakaway country, sand dunes and heavy tree covered areas.