

Advances in Diplog Data Processing for Stratigraphic Analysis

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*Detailed log-derived stratigraphic interpretation requires the use of high vertical resolution logging devices such as a dipmeter. The Dresser Atlas Strata Dip<sup>R</sup> program, originally introduced in the early 1980's, is a computer program designed to give a detailed point-wise estimate of the orientation and depth of very fine formation laminae. Numerous improvements in the computational algorithms coupled with features such as the removal of the effects of structural dip and intelligent handling of floating pad data have resulted in a second generation product which is described in this paper.*

*The accuracy of the program's results was tested using synthetic data generated by a dip simulation program. The repeatability of the program (in fact of the entire data acquisition and processing system) is demonstrated by separate analyses of three independent runs over the same well interval. Two field examples demonstrate the value of this new program as an aid to stratigraphic analysis.*

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