



When summation takes place along the dip surface, which most nearly approximates the true geological time dip, maximum dip scan response will be achieved. Dip scan interpretation consists of locating three-dimensional maxima in the time-moveout-dip number field and interpolating the discrete sample values to an exact maxima by a three-dimensional contouring approach. The resulting "TAMD picks" represent the mean time, amplitude, moveout and dip of the seismic event over a space gate of width SMASH processed depth point.

Scattergrams :

A scattergram provides a statistical display of velocity, dip and amplitude as a function of time over a specified space gate. The R.M.S. velocities are computed from the segment times and moveouts, averaged over each space gate and plotted as a coded symbol for each segment. The symbols are coded according to amplitude.

In addition, the highest amplitude symbol in each 100 ms. time gate is circled. The amplitude grading is performed relative to the individual space gate, unlike the length grading which is performed relative to the total file.