



The resulting "TAMD picks" represent the mean time, amplitude, moveout and dip of the seismic event over a space gate of width SMASH depth points. The move-up rate is another important consideration. It refers to the number of depth points between the centre of each successive dip scan set and for these lines was made equal to the SMASH rate to give a continuous suite of dip scans sets.

- o Output to magnetic tape are the event files for each Space/Time gate -

After the event detection is performed for all space points in each time gate the Event files are written on magnetic tape.

- o Extensions of the Event files in each time gate to produce Work files -

Using search windows in time, amplitude, moveout and dip, the picked seismic events from neighbouring dip scan files can be correlated and thos evolving from the same seismic horizon identified and connected. This process is called Extension and the set of connected seismic horizon events are termed Segments which are output as Work (Segment) files.