b) <u>Mini-700 Package Velocity Modules</u>

<u>Dip Search and Reflection Identification</u> :

The C.D.P. Gathers are partitioned into time gates
for processing in each of which the time and move-
out sample rates are automatically determined
according to the Time Variant Filter and the
effective fold at the gate centre time. The time
sample period decreases within increasing record
time.

A Moveout Scan is generated for each common depth
point input to the routine.

Dip scans are built by summing moveout scans from
consecutive depth points along dip surfaces at
automatically determined increments within a
specified dip aperture. The dip aperture for
each time gate was determined from the associated
Near Trace Gather section. The number of consecutive
moveout scans stacked together is termed the SMASH
rate.

GSI-709