

IMPACT# A

GENERAL ILLUSTRATION COMMENTS

ILLUSTRATING HIGH PRESSURE SHOCK WAVES

This page consists of the written introduction to the series of illustrations of the sequence of high pressure shock waves as they relate to the Chicxulub impact 65 MYA.

It is important to remember that these illustrations are two dimensional drawings of three dimensional events. There are usual limitations to these illustrations.

Not all of these depictions are exactly to scale. The small band of liquid lower mantle will be shown larger so that it will not be virtually invisible.

The impact will be shown as being off-center, which then led to

1. The energy antipode being located somewhat away from the physical antipode.
2. The Deccan traps (the physical antipode) being located off-center to the symmetrical center line of the Indian continent. The Indian continent would be uplifted symmetrically around the centerline of the directed energy result (which includes the energy antipode).
3. The directed motion of the Indian continent going towards the opposite side of the continent from the physical antipode (because the directed energy "overtops" in that direction).