

DXM, DYT, etc. include map factor, have units of (earth meters) $^{-1}$

Zg= local topography

Map factors are ratio of model grid distance to earth grid distance (FMAPU 1, FMAPUI 1)

$$Sigma-z \rightarrow Z = H\left[\frac{Z-Z_5}{H-Z_5}\right] = \left[\frac{Z-Z_5}{I-\frac{Z_5}{H}}\right]$$