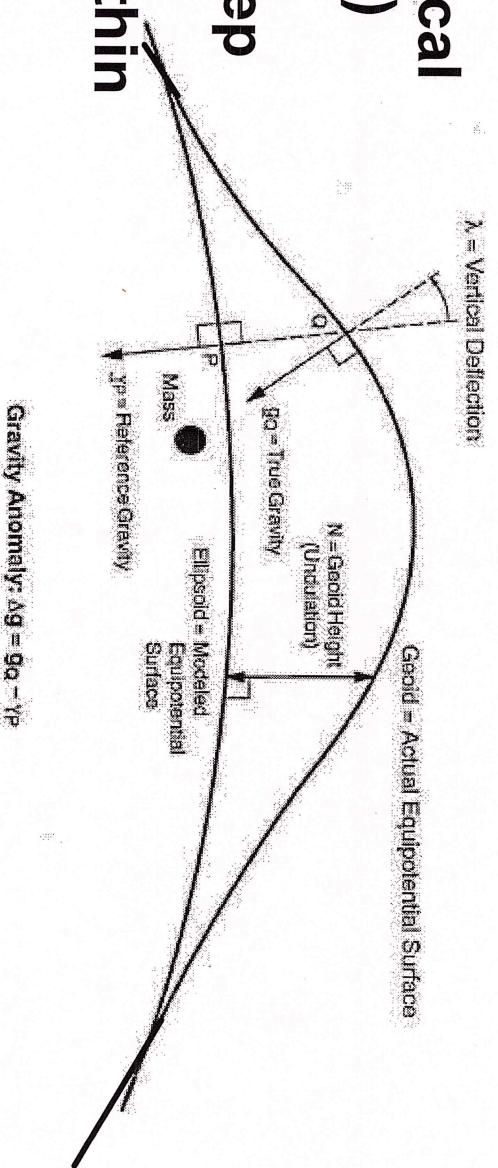


## Background on SWS Operations

- Operational areas have always been limited by the requirements of a high-quality Ocean Survey Program (OSP) gravity map

- Accurate vertical deflection (VD) maps are required to keep navigation subsystem within specifications



Gravity Anomaly:  $\Delta g = g_Q - g_P$

- However, improvements such as the Navigation Sonar System (NSS) and global satellite altimeter gravity maps make it feasible to consider operations over a larger area