

Gulfstream

PLANEVIEW

GPS altitude displayed is the World Geodetic System 1984 (WGS-84) height above the ellipsoid (geoid height + height above MSL). The GPS altitude is not relative to pressure altitude but is referenced to an earth-centered earth-fixed (ECEF) coordinate system. Pressure altitude is not relative to the same reference frame, but relative to the standard pressure or local pressure settings. Therefore, significant differences are seen between GPS altitude and pressure altitude. This concept is illustrated in Figure 63.

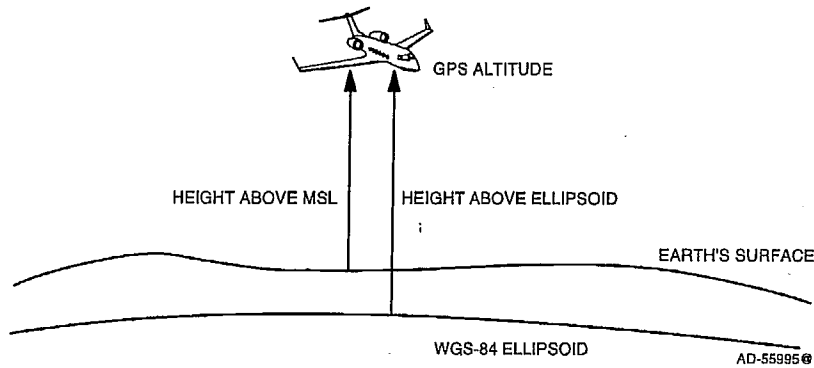


Figure 63