A solution based on the assumption that the planetary rotation axis is vertical, along the z-axis, and that the san's orbital plane, the plane of the ecliptic, is tilted by an angle 4. * (worth pole) PLut ecliptic (Olat, 0 long) \$ LBt (0 lat, 90° lovy Sx = cosp cospt y = cose cos at SINBE Py = cos 0 sin at SIN & COSBt Pz= sin 0 cos = Px Sx + Py sy + Pz Sz