

Figure 1: The two conformations of GDP present in molecule A of the PEPCK-Mn<sup>2+</sup>-OAA-Mn<sup>2+</sup>GDP crystallographic dimer. The major conformation of GDP is rendered as a stick model colored by atom type with carbon atoms in green. Shown in blue mesh is the  $2F_o$ - $F_c$  density rendered at 1.5  $\sigma$  after inclusion of this conformation in the model. Shown in green mesh is the  $F_o$ - $F_c$  density rendered at 2  $\sigma$  present after refinement of the major

nucleotide conformation. Illustrated in the grey stick model is the nucleotide conformation present in molecule B that suggests the presence of this nucleotide conformation at a low occupancy.