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Determination of Earth orientation parameters and station coordinates from combination of IERS CPP data

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A method for combination of "non-SINEX" solutions for different techniques is applied to data collected for the "IERS Combination Pilot Project" (CPP) to obtain a representative set of Earth orientation parameters and station coordinates. The method is based on combining station position vectors transformed to the celestial reference frame and designed for data, where the normal equations matrix cannot be restored. In this case, the results of the particular techniques enter the common adjustment as the input data. For VLBI, EOP were drived from session combined normal equations (as given in the CPP data base) or IVS cumulated solutions, respectively, taking station coordinates over from the VTRF2003 IVS Conventional Reference Frame.