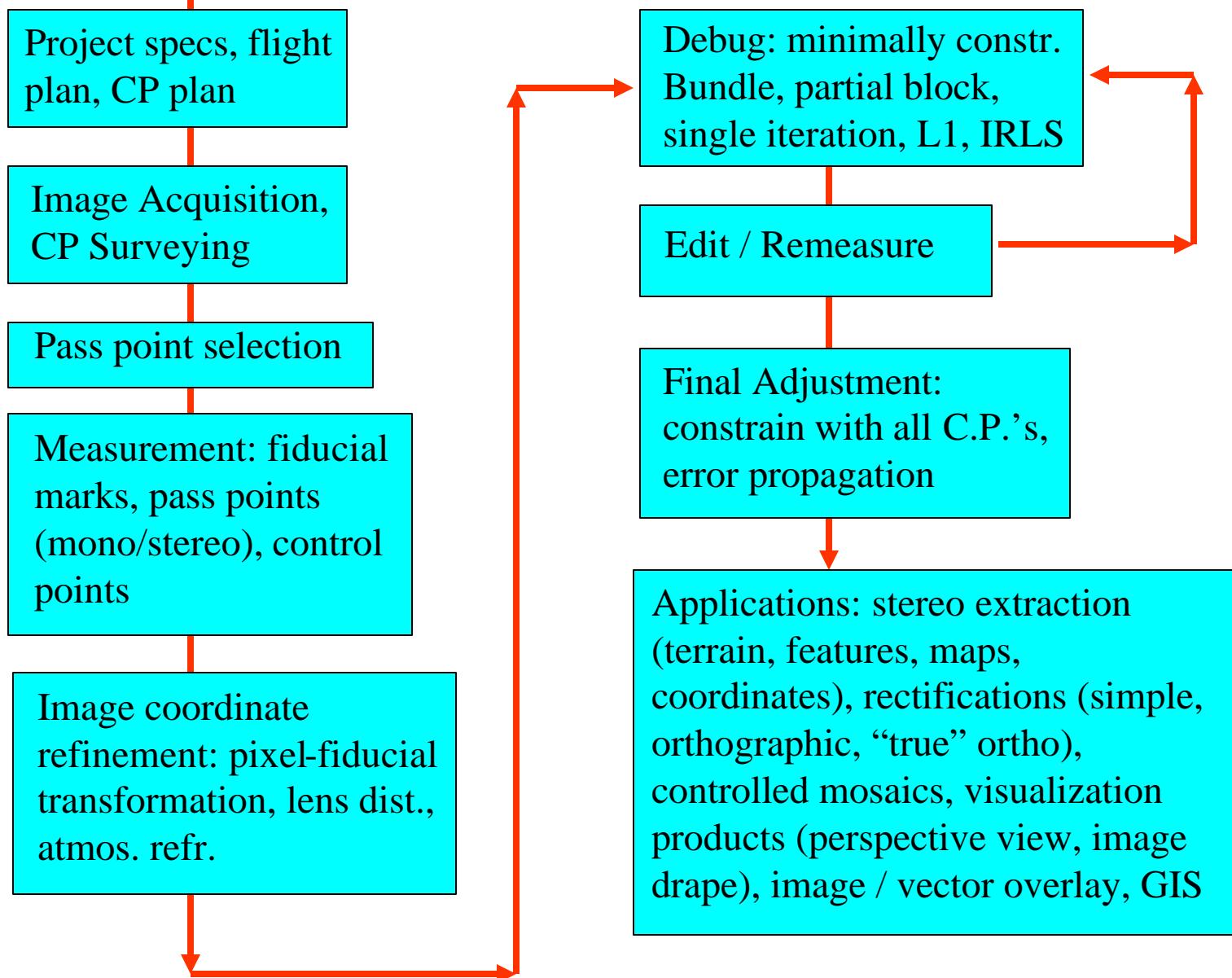
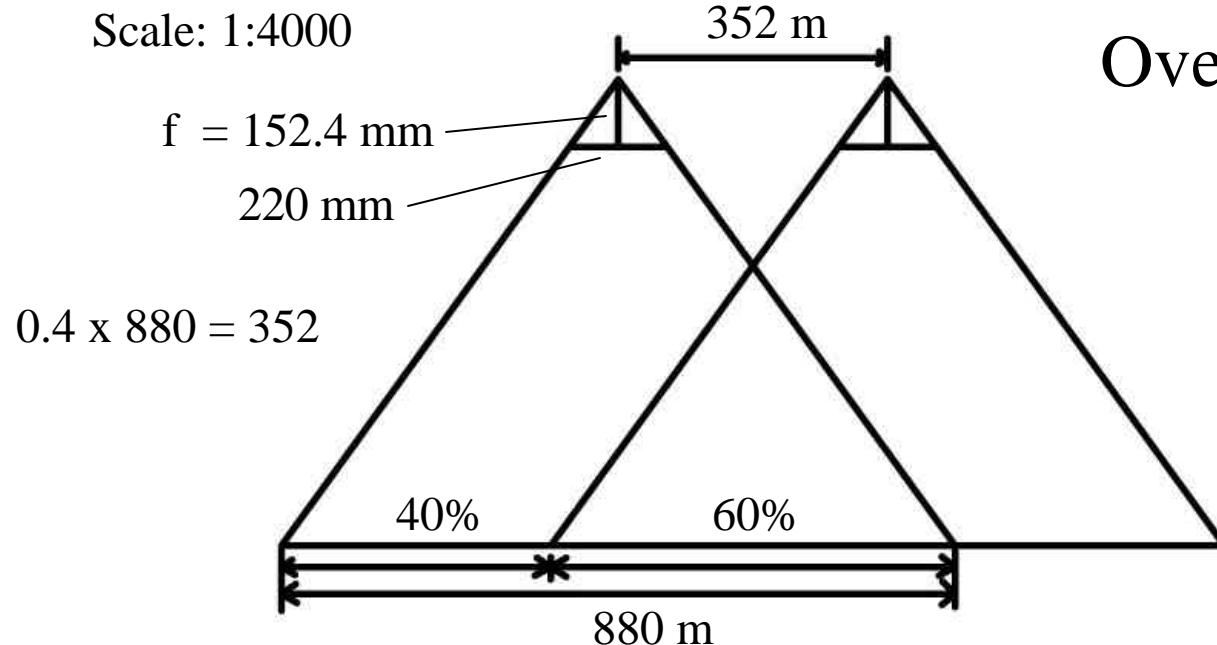


Block Processing

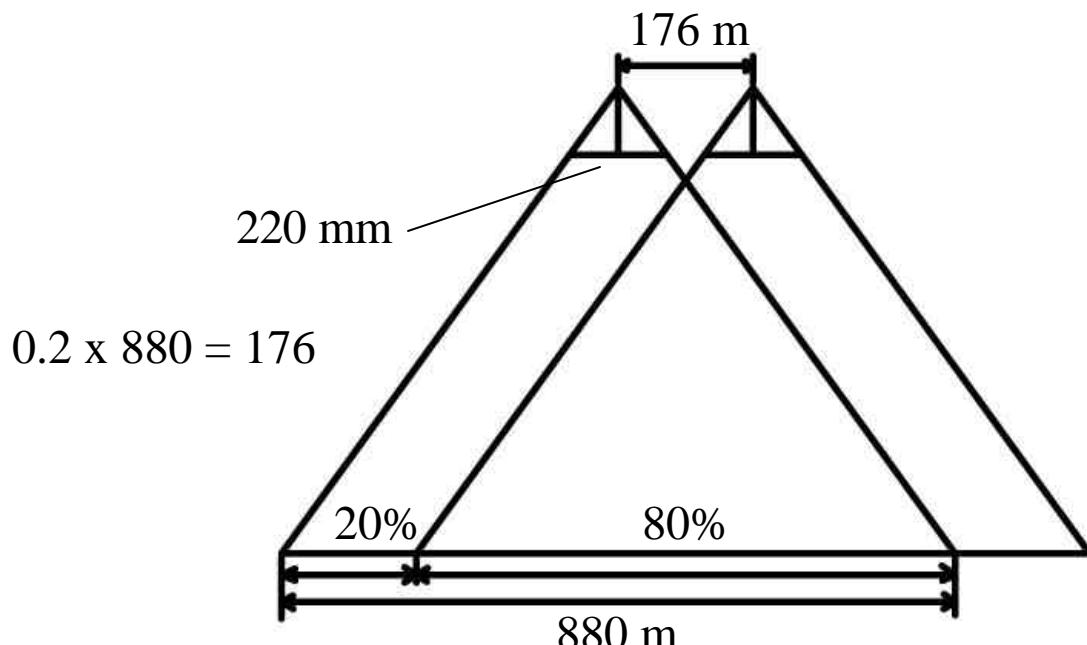


Scale: 1:4000



Overlap Calculations

60% side overlap

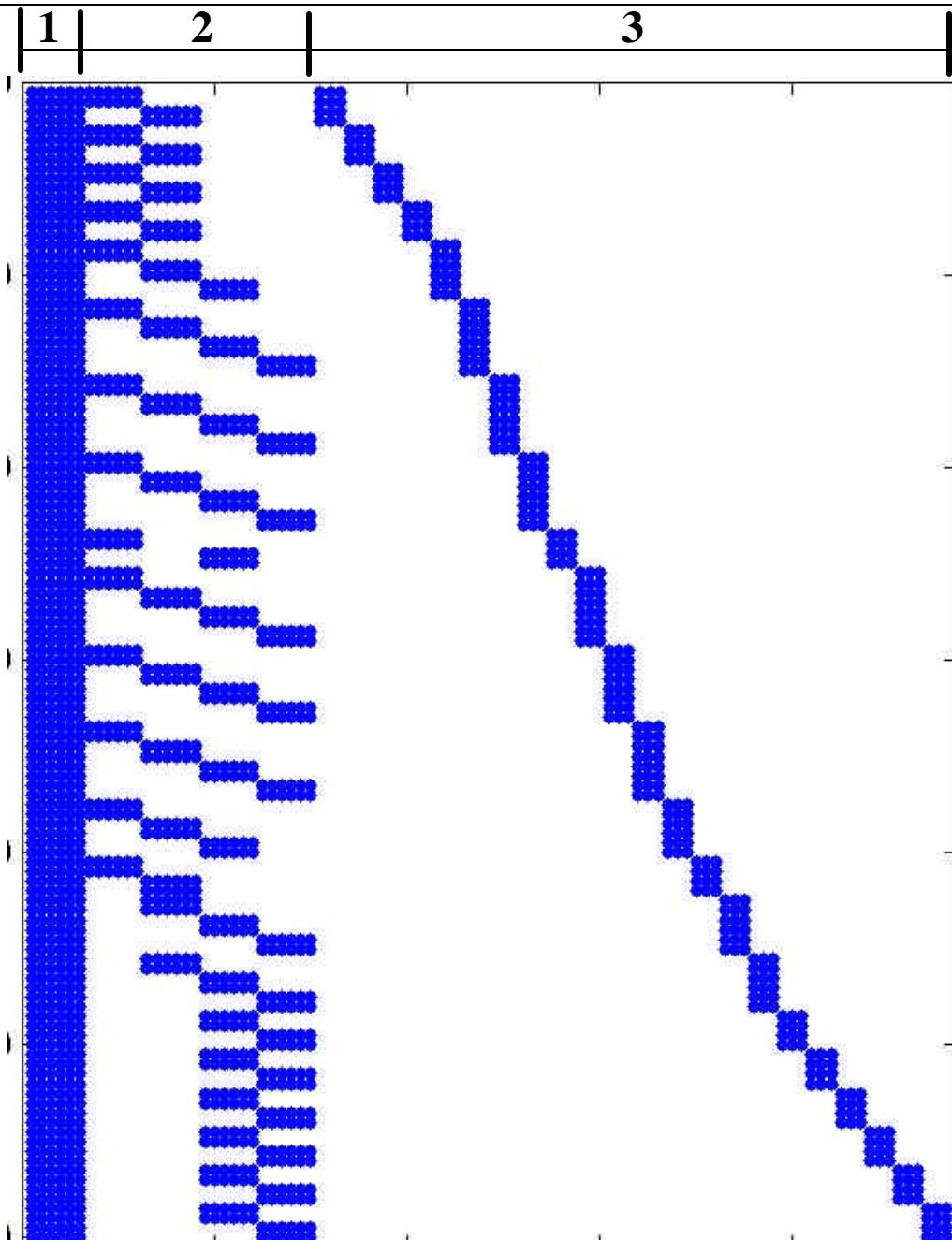


80% forward overlap



Leica (Wild) RC-10

Newer versions RC-20, RC-30 have useful features such as forward motion compensation (FMC), shutter event signal for GPS, and software controlled film labeling.



Structure of B-matrix,
4-photos, 22-points

Parameter Groups

1. Internal camera parameters
2. Exterior orientation parameters, 6 per photo
3. Object point parameters, 3 per point

The figure displays a 3D visualization of a sparse matrix with dimensions 100x100x100. The matrix is composed of blue dots representing non-zero elements. A prominent feature is a large, solid blue block along the main diagonal. Additionally, there are two smaller, diagonal blocks located in the top-left and bottom-right corners of the matrix. The matrix is set against a background of a 3D grid formed by vertical and horizontal lines. The top row and top-left column are labeled with indices 1, 2, and 3.

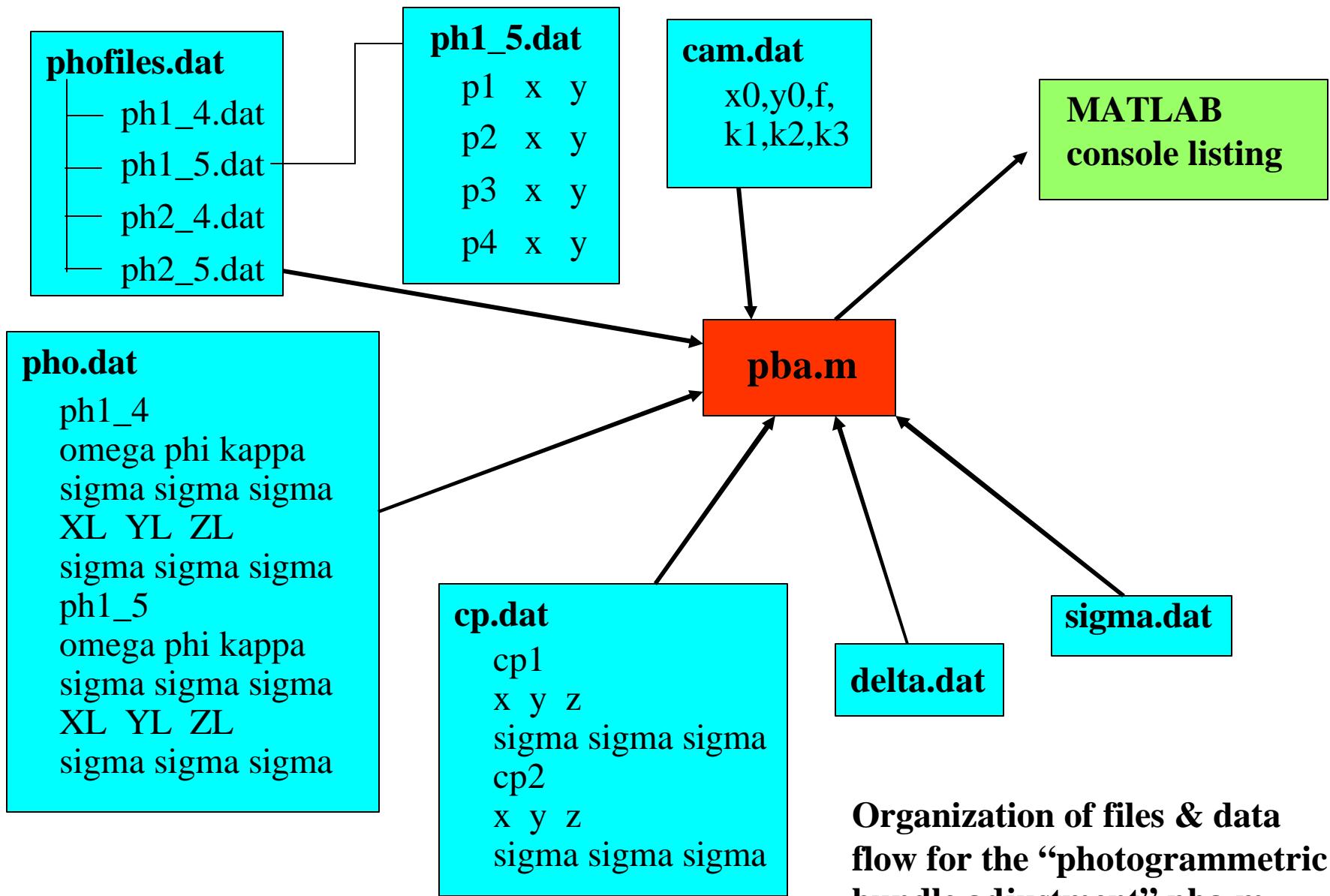
Structure of N-matrix (B^TWB)

Same parameter groups

6 x 6 photo blocks

3 x 3 point blocks

6 x 3 off-diagonal block
if that point occurs on
that photo



Organization of files & data flow for the “photogrammetric bundle adjustment” pba.m program