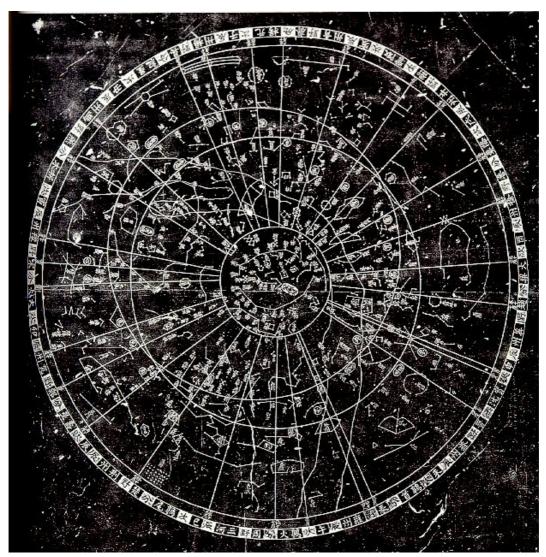
UNIVERSITAT DE BARCELONA



Departament d'Astronomia i Meteorologia

Astrophysical Studies on Open Clusters:

NGC 1807, NGC 1817, NGC 2548 and NGC 2682



Memoria presentada por

María de los Dolores Balaguer Núñez

para optar al grado de Doctora en Física Barcelona, 31 de octubre de 2005 "Ancient Suzhou Star Map", famous Chinese celestial planisphere engraved on stone in the Song dynasty (1249). There are more than 1400 named stars on it.

Programa de Doctorado de Astronomía y Meteorología Bienio 1998–2000

Memoria presentada por **María de los Dolores Balaguer Núñez** para optar al grado de Doctora en Física

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 $\begin{array}{c} A \ Francisca \ N\'{u}\~{n}ez \ y \ N\'{u}\~{n}ez, \\ mi \ madre \end{array}$

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