

NDAC/LO/106  
1988 March 1

**23rd NDAC Report from Lund Observatory**

*WP6000: Step 2/3 (Lindegren)*

Tests on the main program modules for Step 2/3 (or sphere reconstitution and determination of astrometric parameters) have continued and the code is now being finalized and extensively commented. The results of a large-scale test with IC1 as Input Catalogue have been used to study correlation between the astrometric data of stars within small regions of the sky (C ).

*WP8000: Double Stars (Söderhjelm)*

Cleaning-up and re-writing of software for the production phase continues. A description of the NDAC double star processing was presented at the INCA Colloquium in Sitges (C ).

**Working papers:**

- C     Lindegren (1988 Jan 20):  
      *A correlation study of simulated Hipparcos astrometry*, presented at the Colloquium 'Scientific Aspects of the Input Catalogue Preparation, II' (Sitges, Jan 25-29, 1988)
  
- C     Söderhjelm (1988 Jan 19):  
      *Double star processing by NDAC*, presented at the Colloquium 'Scientific Aspects of the Input Catalogue Preparation, II' (Sitges, Jan 25-29, 1988)