
Summary of Changes

The changes fall into the following categories:

1. Change in the copyright status of the DAT routine.
2. Implementation of two new categories of routines, viz:
 - a) There are three routines for the horizon/equatorial plane coordinates.
 - b) There are six routines dealing with gnomonic (tangent plane) projections.
3. Due to introducing these new routines, The Astrometry Tools Cookbook, the test program and other supporting files have also been updated.
4. Other minor documentation/typographical corrections to various files.

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- 1 iau_DAT.for Code now classified as "user-replaceable support routine". Thus the terms & conditions at the end are also modified.
 sofa_ts_f.pdf Updated Cookbook to include information about the change in status.
- 2a iau_AE2HD (azimuth, altitude) to (hour angle, declination)
 iau_HD2AE (hour angle, declination) to (azimuth, altitude)
 iau_HD2PA parallactic angle
- 2b iau_TPORS solve for tangent point, spherical
 iau_TPORV solve for tangent point, vector
 iau_TPSTS project tangent plane to celestial, spherical
 iau_TPSTV project tangent plane to celestial, vector
 iau_TPXES project celestial to tangent plane, spherical
 iau_TPXEV project celestial to tangent plane, vector
- 3 t_sofa_f.for Validation program.
 sofa_ast_f.pdf Astrometry Tools Cookbook, with added information on the new routines
 board.lis
 copyr.lis
 intro.lis
 sofa_lib.lis
 title.lis
4. The following routines/files have had very minor documentation changes, mostly typographical
 iau_ATIOQ
 iau_EECT00
 iau_EQEQ94
 iau_FK52H
 iau_FK5HIP
 iau_GMST82
 iau_H2FK5
 iau_PLAN94
 sofa_pn_f.pdf

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