NDAC PROCESS DIAGRAM

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Processes:

AR0 = Attitude Reconstitution - determination of reference attitude
AR1 = Attitude Reconstitution - first stage ($\xi$, $\nu$, $\Omega$)
AR2 = Attitude Reconstitution - second stage (improved $\Omega$)
CONTR = control program for Set Solution
DH = data handling routines (extract, sort, edit, distribute, ...)
DS = Double Star analysis
IDTM = photometric analysis of IDT signal (magnitudes)
IDTPP = IDT Preprocessing
LE = Location Estimator
OTFC = OTF Calibration
SETSOL = Set Solution (Step 1)
SHPP = Star Mapper Preprocessing
SMSUM = Star Mapper Stars Update, Magnitudes
SMSUP = Star Mapper Stars Update, Positions
SPHER = Spherical Reduction (Step 2/3)
STAT = Statistical Analysis of GOF data (for binary detection)
UPD = Update star catalogue

Tapes:

T1 (ESOC $\rightarrow$ UK) = Input Catalogue, calibrations, and other data not part of
the regular transfer
T2 (ESOC $\rightarrow$ UK) = regular (weekly) data transfer
T3 (UK $\rightarrow$ DK) = regular (weekly) data transfer
T4 (UK $\leftrightarrow$ DK) = successive versions of object catalogue and calibrations
T5 = complete record of IDT signal parameters (chronological)
T6 = complete record of abscissae (chronological)
T7 = catalogue version including results of the Spherical Reduction
and GOF data from all stages of reduction
T8 = successive versions of the Output Catalogue
Files:

A0 = reference attitude
A1 = preliminary attitude
A2 = improved attitude
ABSC = abscissae, sorted by object
AOCs = attitude and orbit control system data
CAT = catalogue of object parameters (astrometric and photometric) and other parameters (OTF, LSD, SSD, global)
CATU = catalogue updates
DSP = double star parameters
FLAGS = flagged objects (suspected binaries)
G = grid coordinates
GOF = goodness-of-fit results
IDT = IDT data
IDTSP = IDT signal parameters
OBS = observations (at frame level)
SETF = set files
SETPAR = (default) set parameters
SIDTSP = selected and sorted IDT signal parameters
SM = Star Mapper data
SMTT = Star Mapper transit times
SUBCAT = sub-file of CAT
WF = work file
HIPPARCOS
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