ARL:UT / GSTSS
DDBase - Double Difference
Carrier Phase Processor

Initial Design 3/05, rev 4/05
Dr. Brian W. Tolman

START

Solution algorithm

- Linearized Estimation
- Modify State e.g. add or fix biases
- Apply a priori constraints
- Construct partials matrix, data residual vector
- Stochastic model
- Solution update

iterate

END

DD Processing

- Edit raw data (Clk jumps, slips, ..)
- Clock modeling and synchronization of data
- Compute double differences
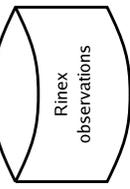- Edit DDs check slips, remove multipath, other (?)

EphemerisStore
Tropospheric models

Input configuration

- User Input
- Read Ephemeris Observation file headers

Raw data input & Preprocessing

- Loop over data epochs
- Read all data files in time order
- Autonomous pseudorange solution (=> raw clock a priori position)

Ephemeris

{RINEX or SP3}

{headers}

Rinex observations

{observations}

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