

TopoDroid Surveys

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Surveys

- single survey sessions
- organized in folders (CWD, cave projects)
- main window lists CWD surveys
 - button “new” creates a survey
 - button “import” import a survey (th, dat, top, **zip**)
 - tapping a survey entry opens it
- stored in a SQLite DB in the CWD

Survey attributes

- name (unique)
- date
- team
- magnetic declination
- description

Survey Data window

- Buttons
 - DistoX download
 - bluetooth
 - data display mode
 - sketches
 - annotations
 - manually add a shot
 - saved stations
 - extend reference

Survey Data

- data can be
 - downloaded from the DistoX
 - entered manually
- shots list
 - **leg** (with FROM and TO stations)
 - **secondary leg**, “close” to previous leg shot
 - **splay** (only FROM station)
 - **blank** (neither FROM, nor TO stations)
- display mode
 - can hide/show all shot types, except “leg”
 - can show splays at a station

Data edit

- tapping length/azimuth opens the data edit dialog
 - **FROM** and **TO** stations
 - **extend** direction (can be changed also from sketch window)
 - **flags** (surface, duplicate)
 - shot **comment**
 - measurements (only for manual data)
- additionally:
 - additional leg shot of the previous leg
 - additional leg shot of the following leg
 - apply station change to all splay in a group
 - renumber shots from this onward

More data edit

- tapping on the clino opens the second edit dialog:
 - take a picture
 - take/add a sensor measure
 - insert a shot
 - split the survey at this shot
 - delete the shot

Survey saved stations

- stations can be stored with the survey for later use
 - set “active”, to continue survey from there
- attributes
 - station name
 - flag (fixed, painted)
 - comment

extend reference

- TopoDroid automatically assign “extend” to shots based on the angle of the azimuth with a reference direction
- by default the reference direction is 180° (N-S)
- but it can be changed:
 - rotated to any other azimuth, manually or with built-in sensors
 - fixed “left” or fixed “right”

Survey sketches

- sketch = plan + profile (extended or projected)
- many sketches per survey
- “sketch” button
 - create (and open) a new sketch
 - open an existing sketch