

TopoDroid Station Names

Marco Corvi

marco.corvi@gmail.com

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Station names

- DistoX data do not have stations
- Stations are set through TopoDroid
 - manually, editing the shot
 - automatically (six policies)
- Procedure: repeat legs 3 times at least
 - it helps TopoDroid to distinguish legs from splays
 - it also improves accuracy

Station names in TopoDroid

- Can contain any character except spaces
- TopoDroid automatically computes the next station by incrementing the last one. Examples
 - 1, 2, 3
 - 1a, 1b, 1c
 - A1, A2, A3
 - 1.0, 1.1, 1.2

Station names settings

- Names type: **alphanumeric** / numeric
 - used for the TopoDroid keyboard
- Initial station name (default first station of a new survey) [**0**]
- Station names policy

Naming policies

1. no automatic station names
2. **splays + forward leg**: {1} 1-2 {2} 2-3 ...
3. splays + backward leg: {2} 2-1 {3} 3-2 ...
4. forward leg + splays: 1-2 {1} 2-3 {2} ...
5. backward leg + splays: 2-1 {2} 3-2 {3} ...
6. backsight: {1} 1-2 2-1 {2} 2-3 3-2 {3} 3-4 ...
7. tripod: {1} 1-2 3-2 {3} 3-4 5-4 {5} 5-6 ...

Policies (4) and (5) have a drawback: if a shot of the leg fails, the shots before and including that one are taken as splays of the previous splay-group

This is also true for policies (6) and (7), that require particular attention.

Station names editing

- Station names can be modified through the shot editing dialog
- With both the FROM and the TO stations:
 - ticking the “renumber” button, renumbers the following shots
- With only the FROM station:
 - ticking the “group” button, changes the station of all the splays in the group (ie, between the two legs)
- In any case
 - ticking the “previous-leg” button, puts the shot in the set of shots of the leg “immediately” before it
 - ticking the “following-leg” button, puts the shot in the set of shots of the leg “immediately” following it

Active station

- The active station is the station to which the next leg is attached
- Splays taken before the leg are still attached following the current station assignment policy
- If there is no active station, TopoDroid attaches the leg to the last station
- To set the active station
 - long-tap on the station name. The active station is displayed green in the data list
 - select the station on a sketch, in edit mode; open the attribute dialog, and select “continue survey from here”

Saved stations

- To save important stations in the database
 - tap the “station” button
 - optionally enter a comment
 - and a flag (fixed, painted)
- The active station can be selected from the saved stations