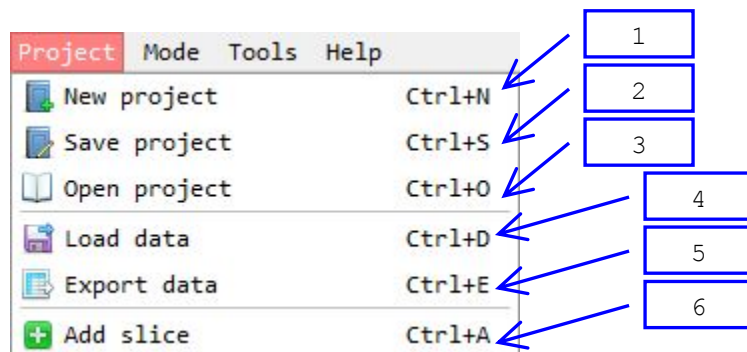


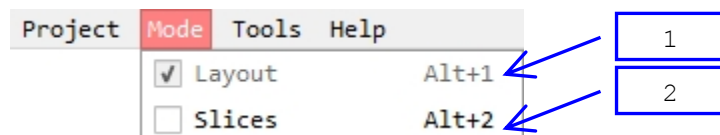
Repository: <https://bitbucket.org/KBE2015/iisystem/downloads>  
Bug tracking system: <https://bitbucket.org/KBE2015/iisystem/issues>

## MAIN MENU

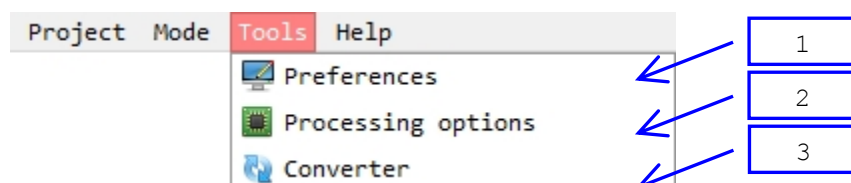


1. Create new project.
2. Save current project.
3. Open saved project.
4. Add data from QZS file to current project<sup>[1]</sup>.
5. Export current project data to other formats.
6. Add data slice<sup>[2]</sup>.

[1] This option is available in LAYOUT mode.  
[2] This option is available in SLICES mode.



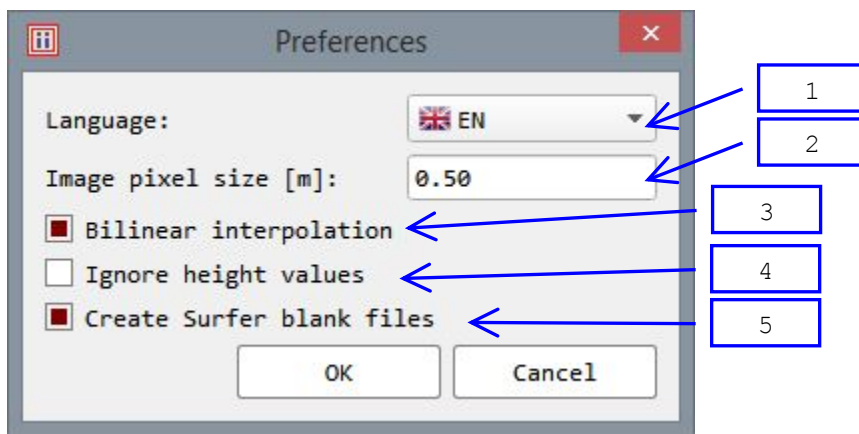
1. Use LAYOUT mode to add, remove, enable, disable and arrange tracks.
2. Use SLICES mode to view data as horizontal and vertical slices.



1. General preferences<sup>[1]</sup>.
2. Probe-specific data processing options<sup>[1]</sup>.
3. \*.QZS to \*.EMS converter. Choose file to convert.

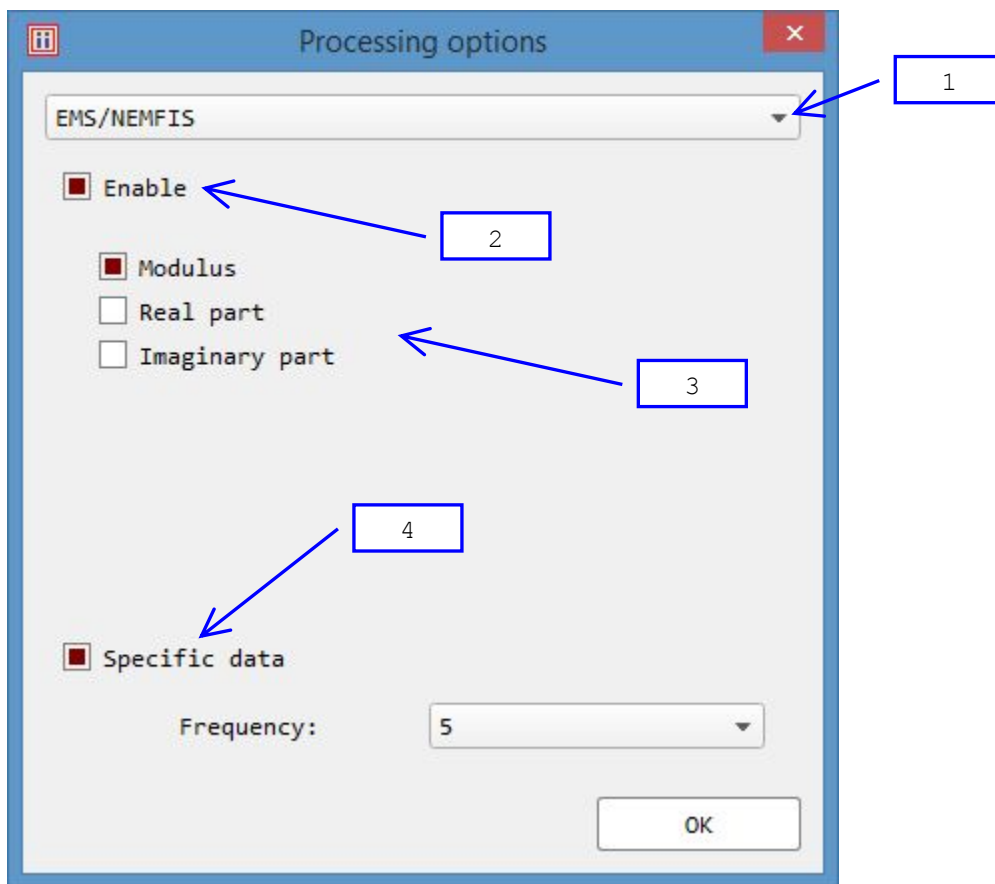
[1] This option is available in LAYOUT mode.

TOOLS → PREFERENCES



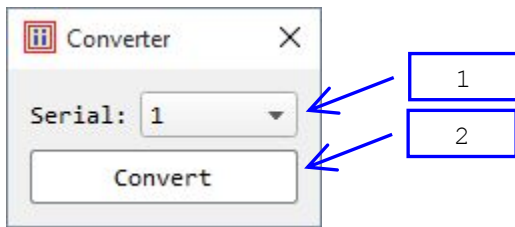
1. User interface language<sup>[1]</sup>.
2. Smaller values cause higher slices resolution and longer computation.
3. Bilinear interpolation causes higher image quality.
4. Assume that surface is flat.
5. Create BLN files when exporting to Surfer format.

[1] Restart iiSystem to apply.

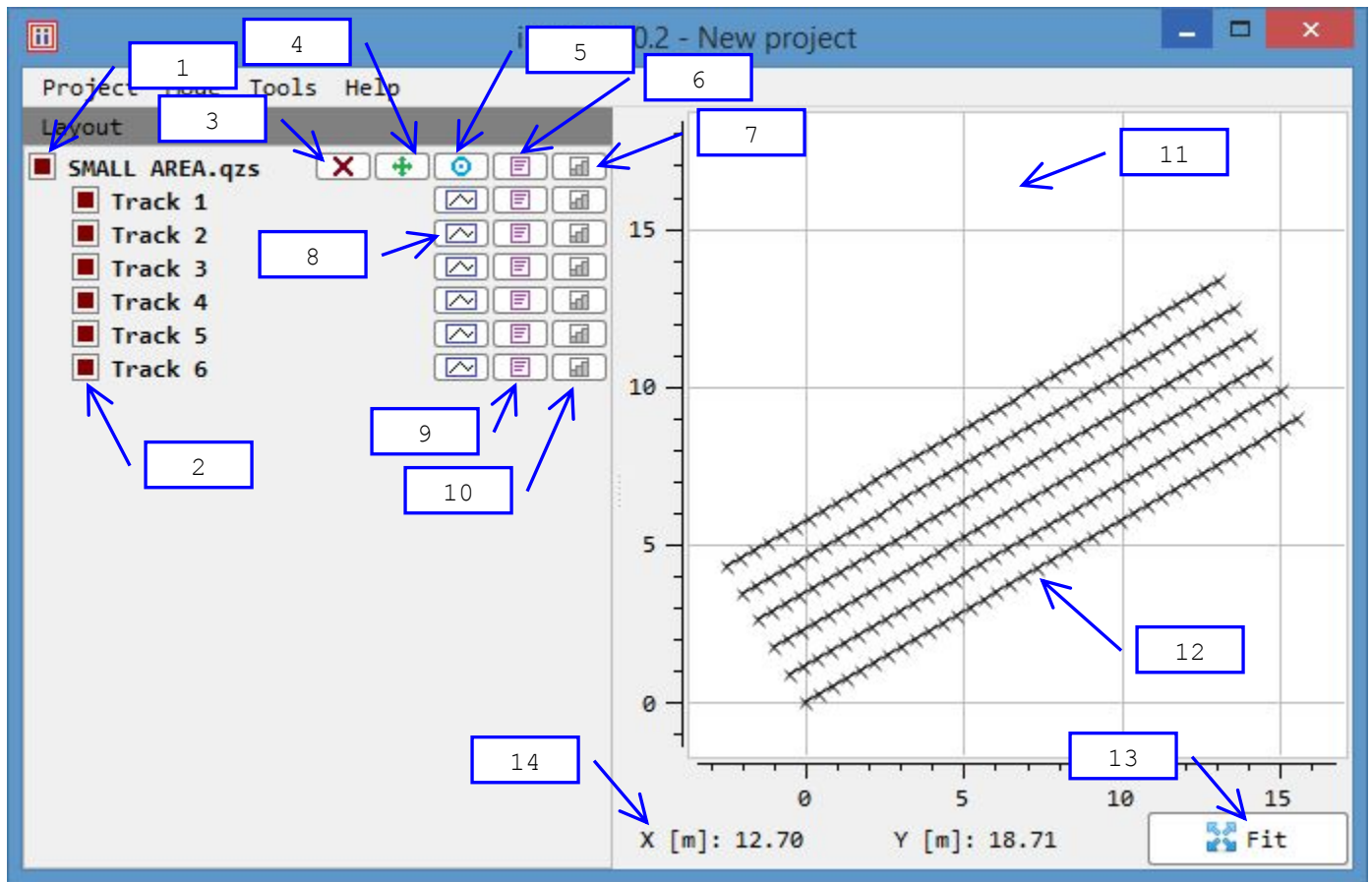


1. Choose probe.
2. Check to enable probe data.
3. Probe-specific data processing options.
4. Check to enable specific data only.

TOOLS → CONVERTER

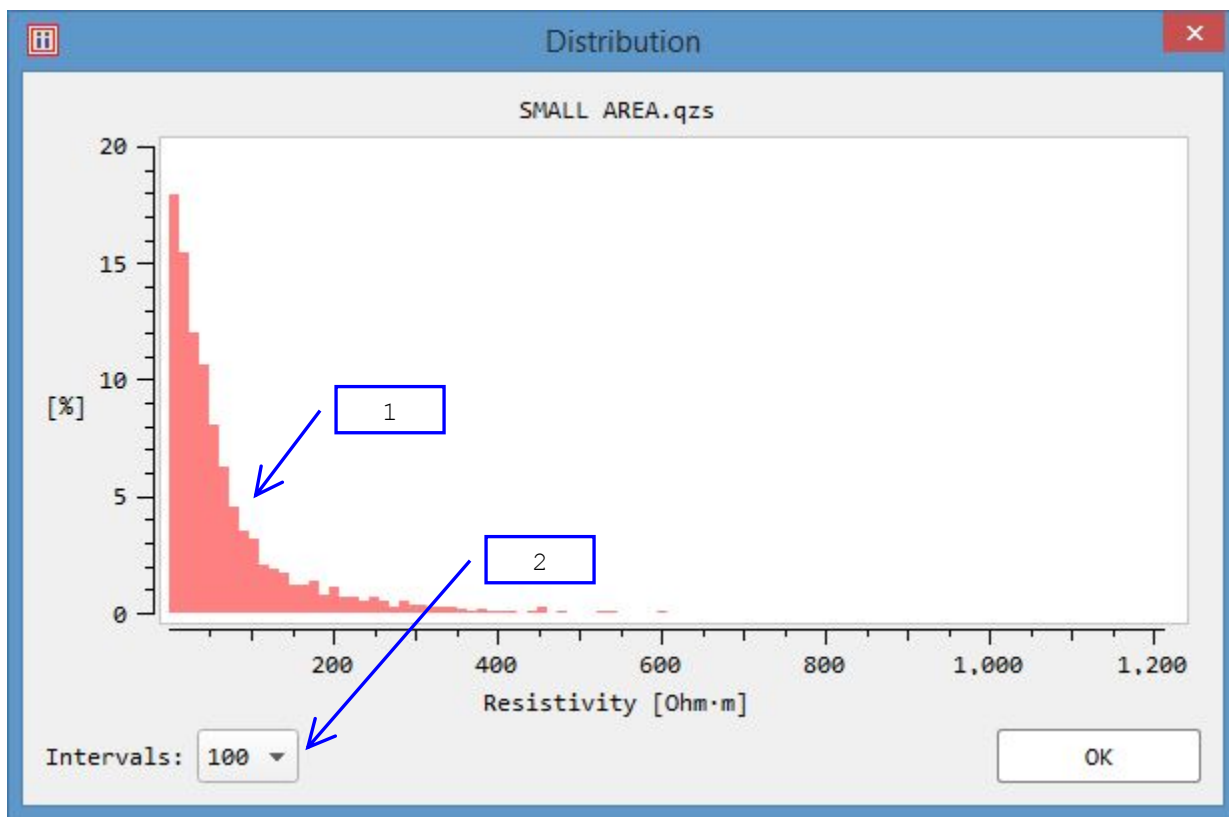


1. Choose EMS/NEMFIS serial number.
2. Create \*.EMS file in same folder.



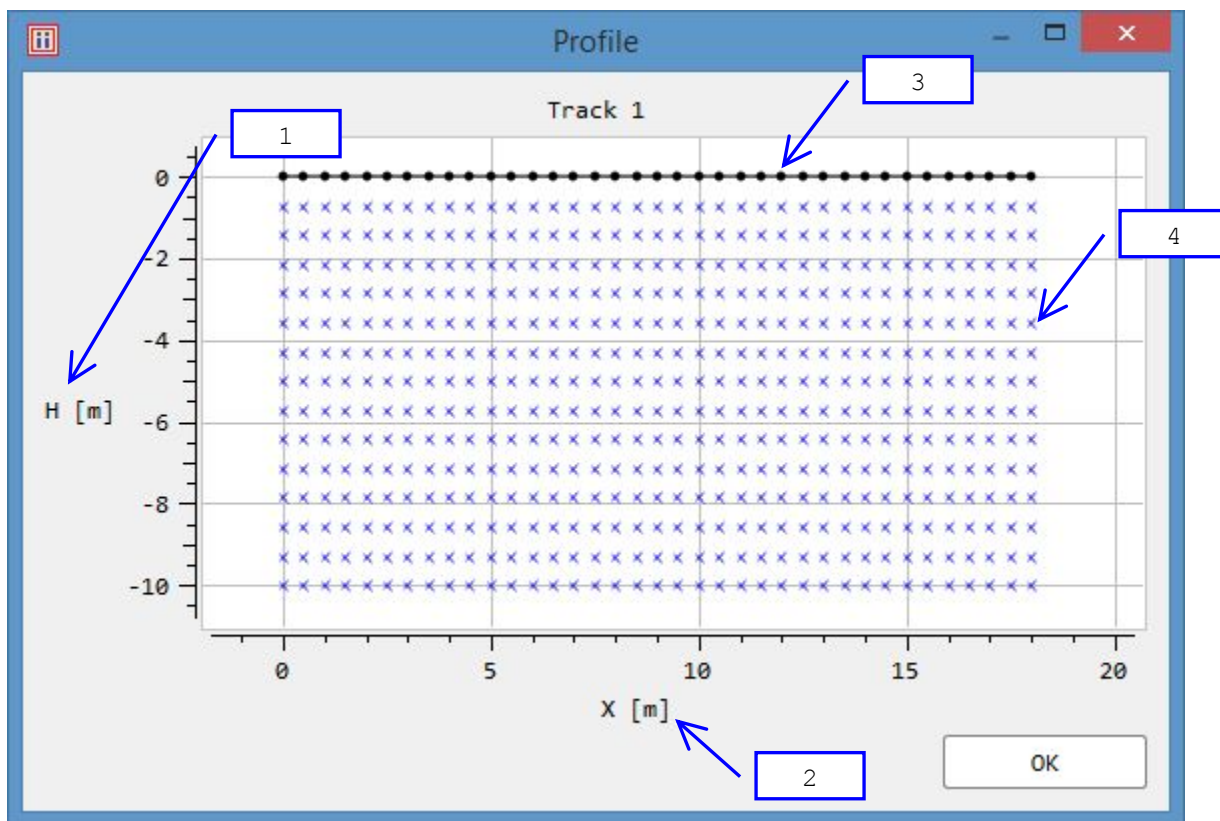
1. QZS file "SMALL AREA" is enabled.
2. QZS file "SMALL AREA" contains 6 tracks. All tracks are enabled.
3. Remove file.
4. Move all file tracks.
5. Rotate all file tracks around its first track beginning.
6. View file info.
7. View file resistivity bar chart.
8. View track profile.
9. View track info.
10. View track resistivity bar chart.
11. Map plot. Use left mouse button to pan and mouse wheel to zoom.
12. Tracks. Every measurement position is marked with "x" symbol.
13. Fit all tracks in map plot.
14. Current mouse pointer coordinates.

## RESISTIVITY BAR CHART



1. Bar chart.
2. Chart bars count.

## TRACK PROFILE



1. Height.
2. Horizontal position.
3. Every measurement position is marked with "o" symbol.
4. Every measuerment is marked with "x" symbol.

**Info**

Probe: EMS/NEMFIS

Specifications:

#30  
29/7/2014

F[1] = 2.5  
F[2] = 3.086  
F[3] = 3.906  
F[4] = 5.102  
F[5] = 6.944  
F[6] = 10  
F[7] = 12.346  
F[8] = 15.625  
F[9] = 20.408  
F[10] = 27.778  
F[11] = 40  
F[12] = 62.5  
F[13] = 111.11  
F[14] = 250

XP[1] = 0.9458

Load specifications

Save specifications

Raw data: ☒ Include data headers

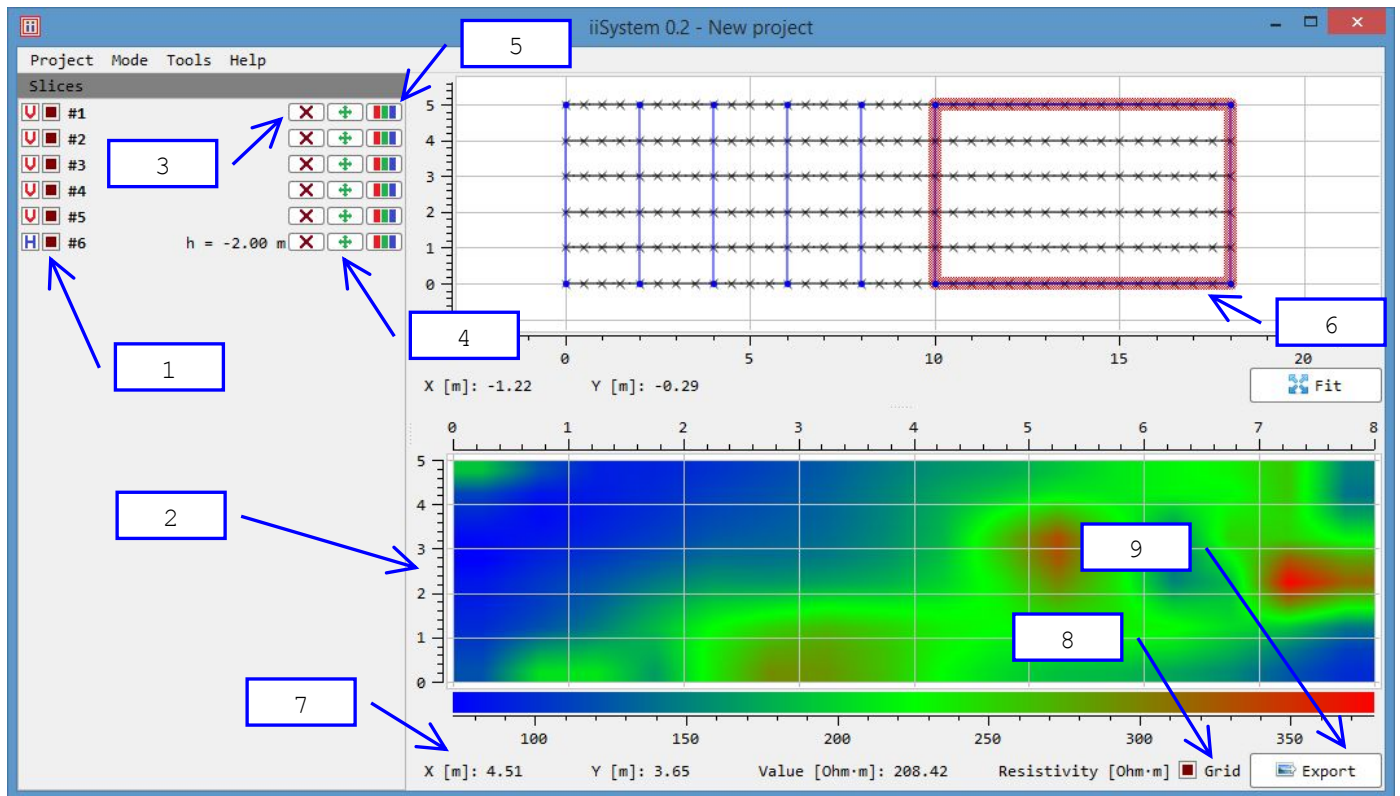
Save raw data

OK

1. Probe used to scan track.
2. Probe specifications.
3. Replace current probe specifications with other ones.
4. Save current probe specifications.
5. Save probe raw data to table.



## SLICES MODE



1. Project contains 6 slices. Slices #1 ... #5 are vertical<sup>[1]</sup>, slice #6 is horizontal<sup>[1]</sup> at height  $-2.0$ <sup>[2]</sup> m. All slices are shown as blue figures.

2. Slice view plot.

3. Remove slice.

4. Move slice.

5. View slice.

6. Horizontal slice #6 is currently shown.

7. Current mouse pointer coordinates and resistivity value.

8. Show grid.

9. Export current image to other formats.

[1] V = vertical, H = horizontal.

[2] In this project all tracks does not contain height data, so surface is located at height  $0.0$  m.

## ADD SLICE

The image shows two side-by-side "Add slice" dialog boxes. The left dialog is for "Slice 12" and is configured as a vertical slice. The right dialog is for "Slice 15" and is configured as a horizontal slice. Numbered callouts (1-6) point to specific fields in both dialogs.

| Field                    | Slice 12 (Vertical)                          | Slice 15 (Horizontal)  |
|--------------------------|--|--|
| Title                    | Slice 12                                     | Slice 15   |
| Orientation              | <input checked="" type="checkbox"/> Vertical | <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal |
| Height (Horizontal only) | -  | -2.00  |
| X1 [m]                   | 8  | 10.00  |
| Y1 [m]                   | 0.00   | 0.00   |
| X2 [m]                   | 8  | 10.00  |
| Y2 [m]                   | 5.00   | 5.00   |
| X3 [m]                   | -  | 18.00  |
| Y3 [m]                   | -  | 5.00   |
| X4 [m]                   | -  | 18.00  |
| Y4 [m]                   | -  | 0.00   |

1. Slice title.
2. Slice orientation.
3. Vertical slice beginning coordinates.
4. Vertical slice ending coordinates.
5. Horizontal slice height.
6. Horizontal slice corner coordinates.