SuperMap 3D Analysis

SuperMap Software Co., Ltd.

SuperMap

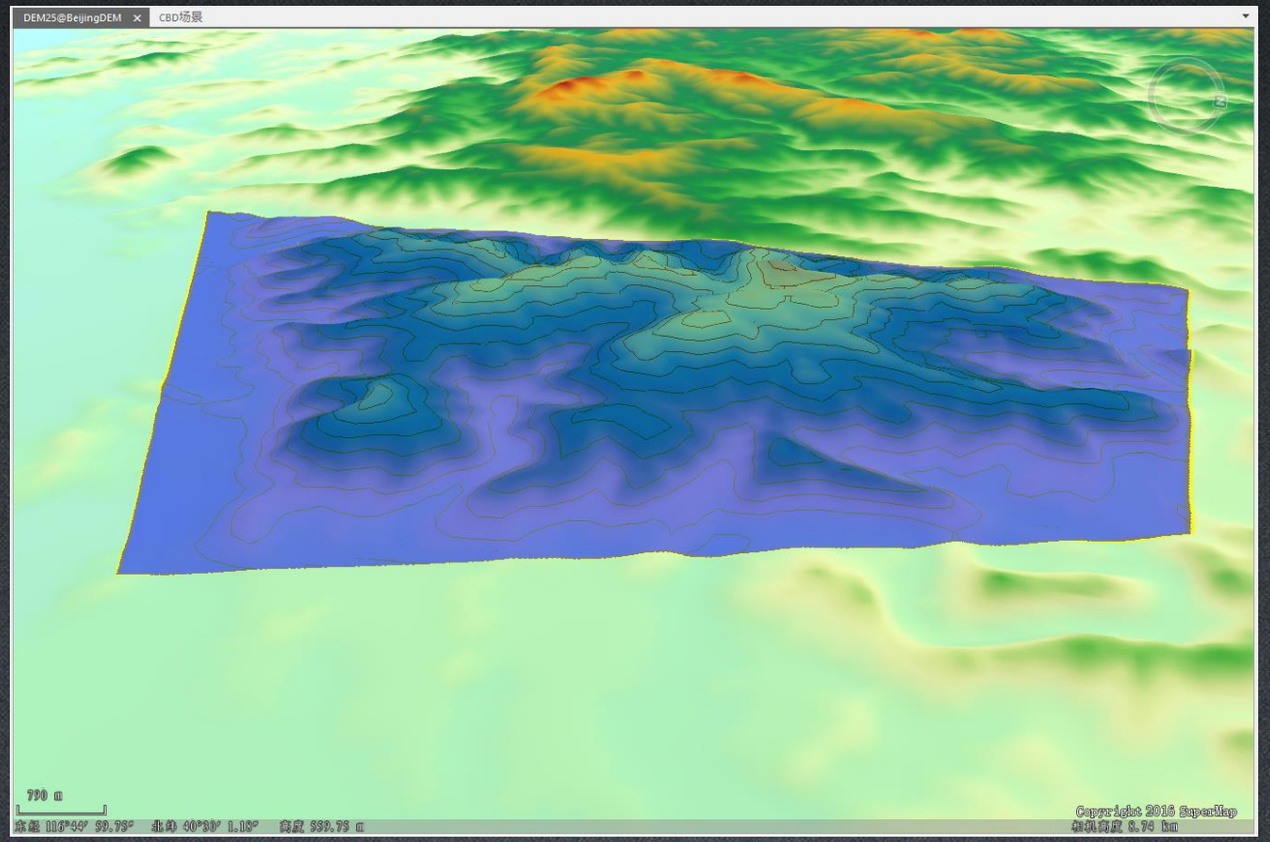
TO BE THE GLOBAL LEADING GIS

3D Analysis

- Isoline Analysis
- Slope and Aspect Analysis
- Flood Analysis
- Visibility Analysis
- Viewshed Analysis
- Sunlight Analysis
- Profile Analysis
- Skyline Analysis

Isoline Analysis

- Isoline is the mostly-commonly used method to represent a surface on a map.



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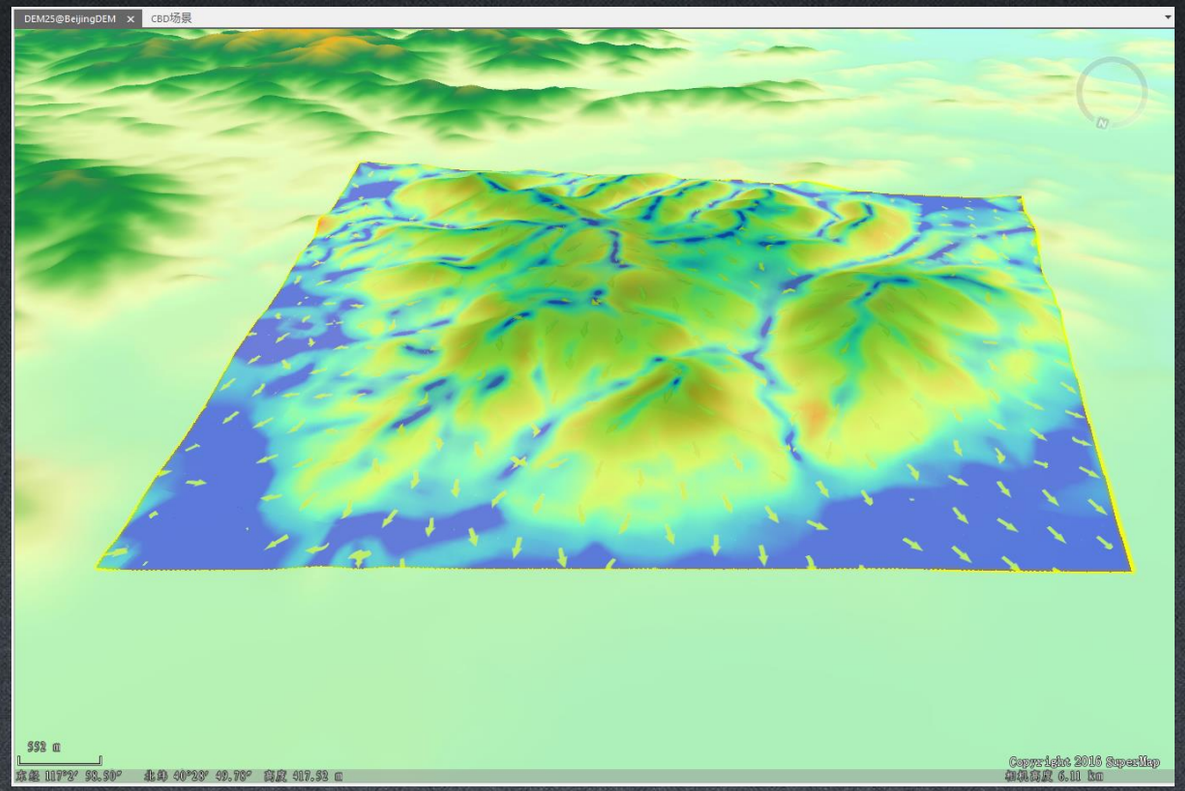
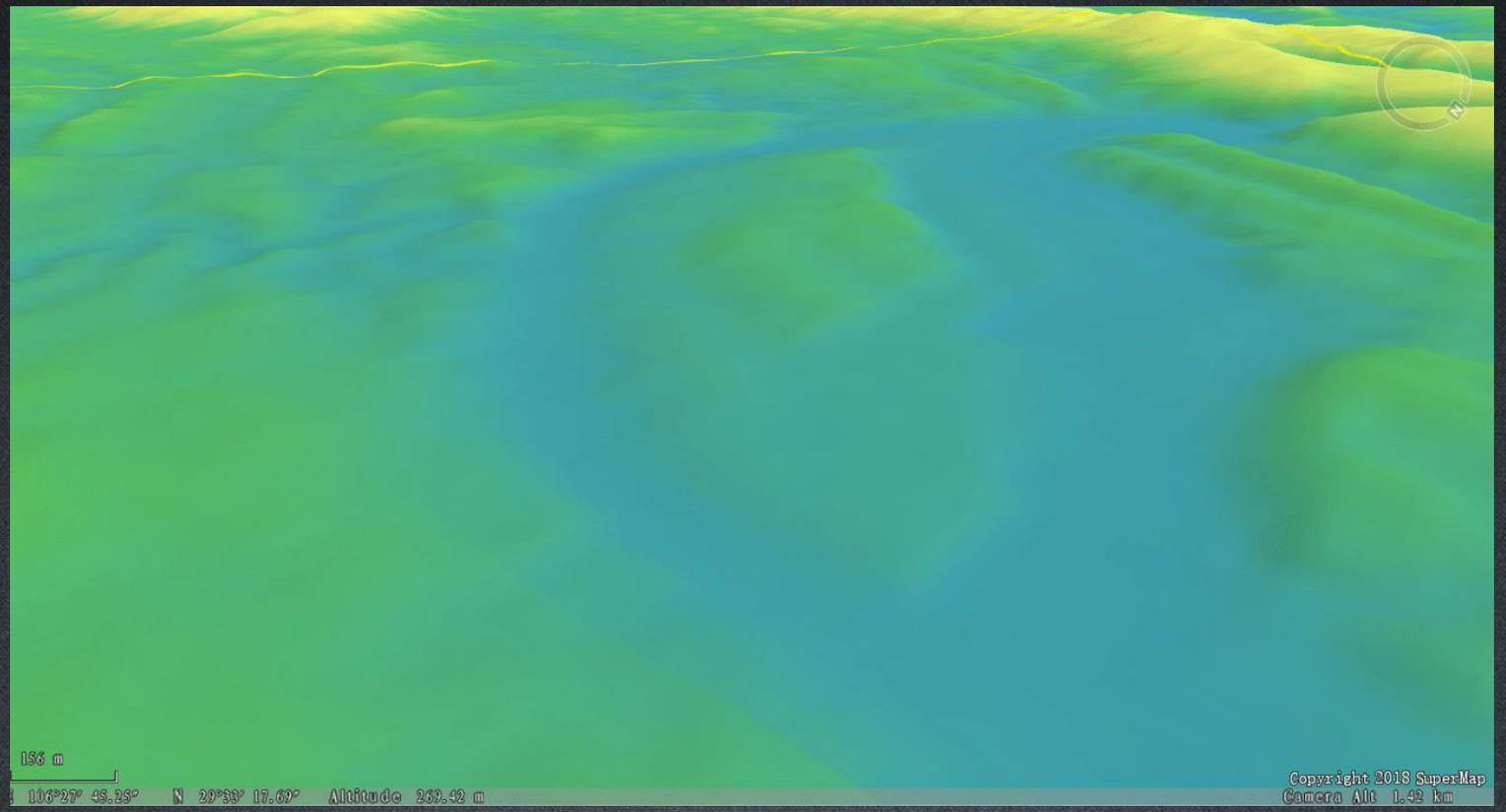
Slope and Aspect Analysis

- Slope is the gradient (steepness) of a unit of terrain. The aspect identifies the downslope direction of the maximum rate of change in value from each cell to its neighbors.



Flood Analysis

- Used to simulate the flooding process over a duration of time with the specified speed and within the maximum/minimum elevations.



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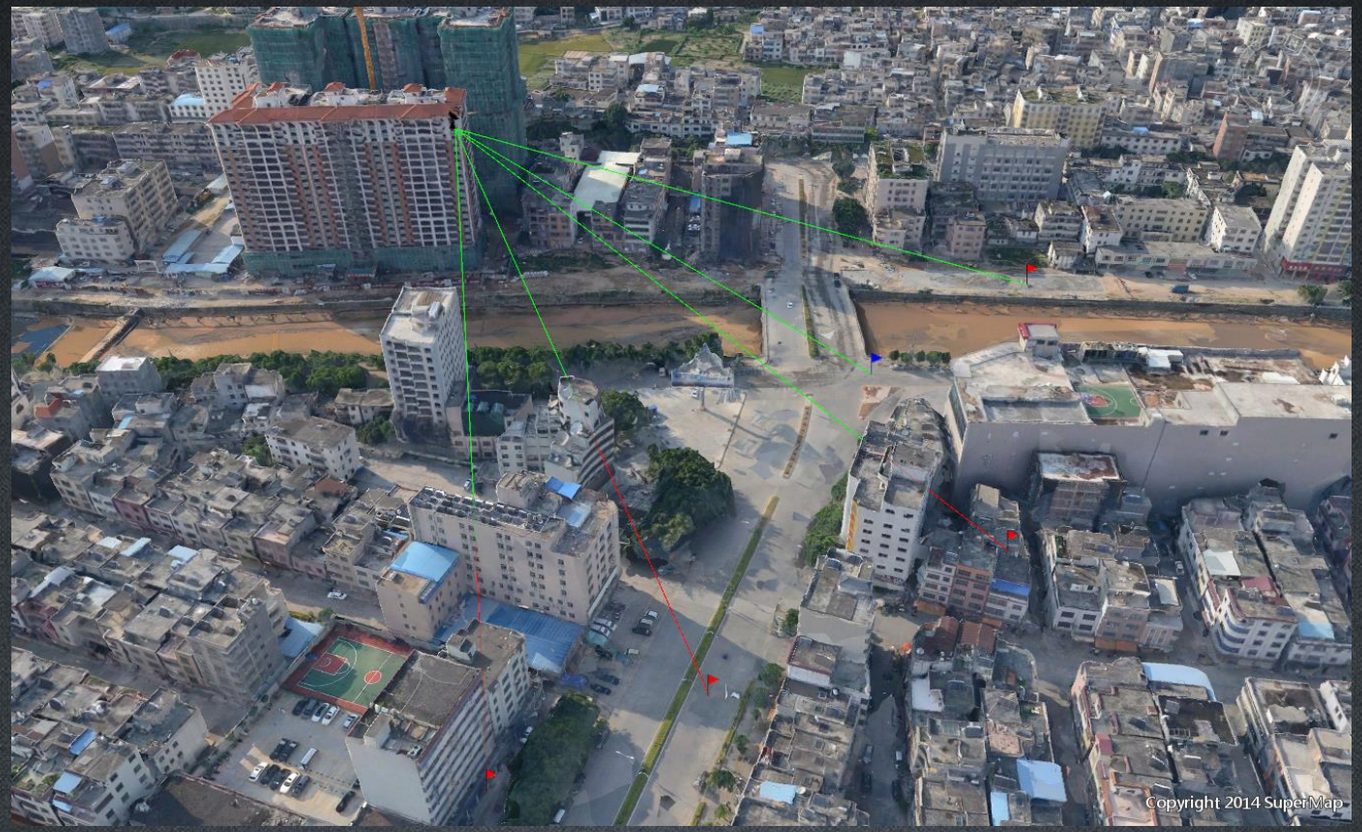
Visibility Analysis

- Often used in 3D analysis, this function is used to determine whether certain locations in a 3D scene are visible to the observer location.



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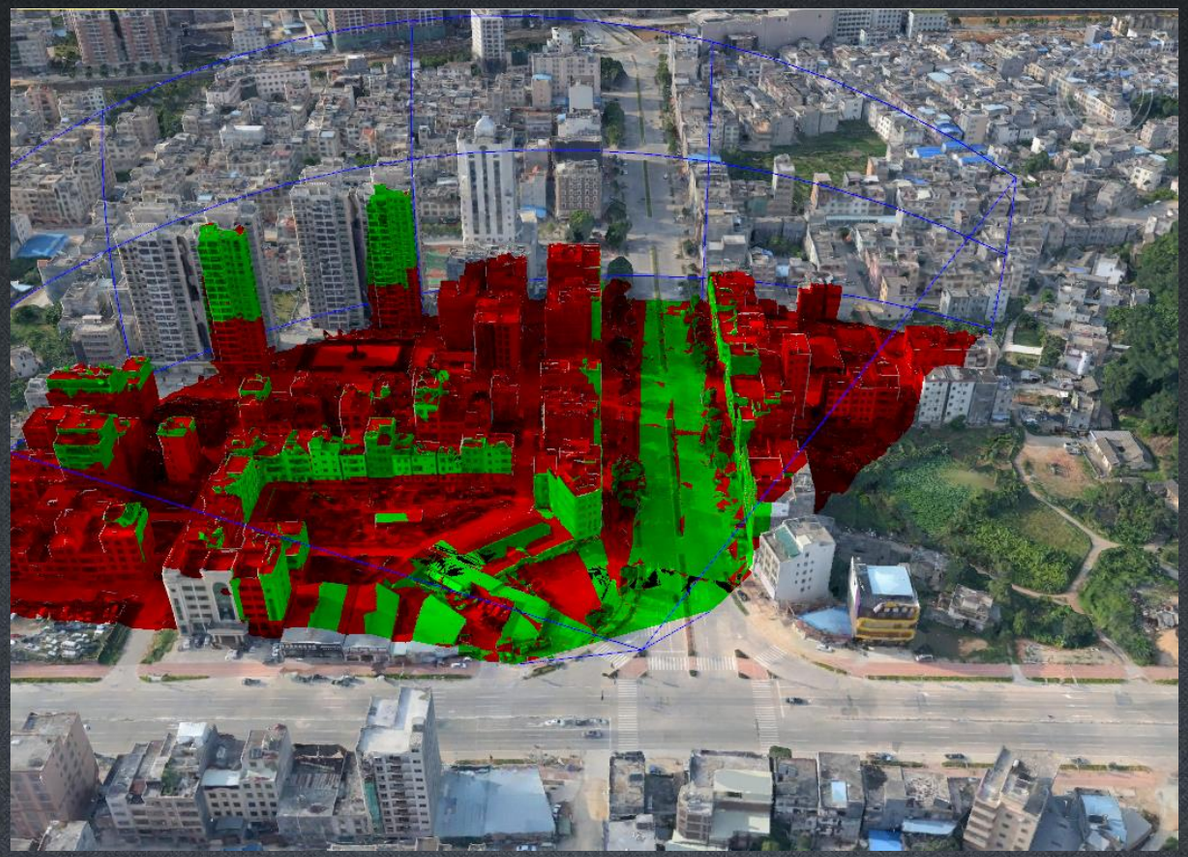
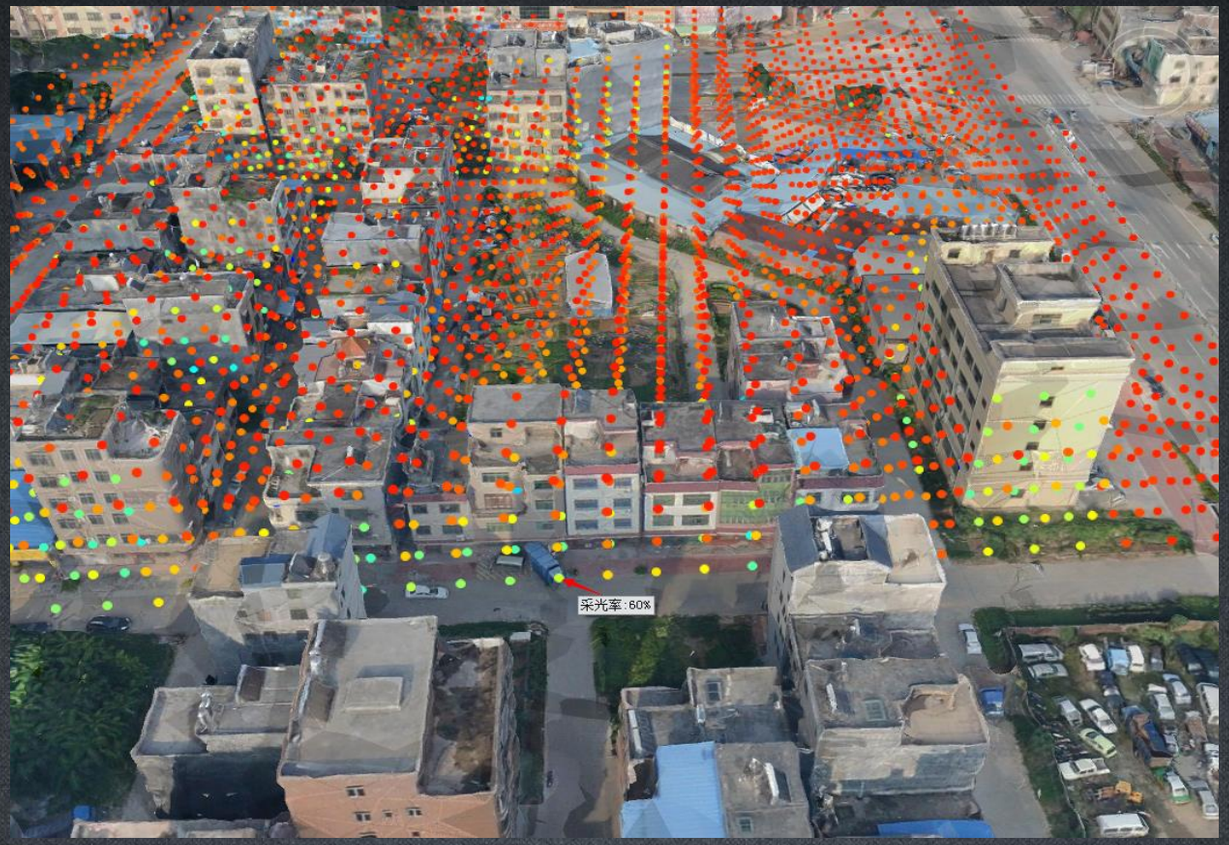
Viewshed Analysis

- This function is used to identify all the visible and invisible ranges in the analysis area of a scene.



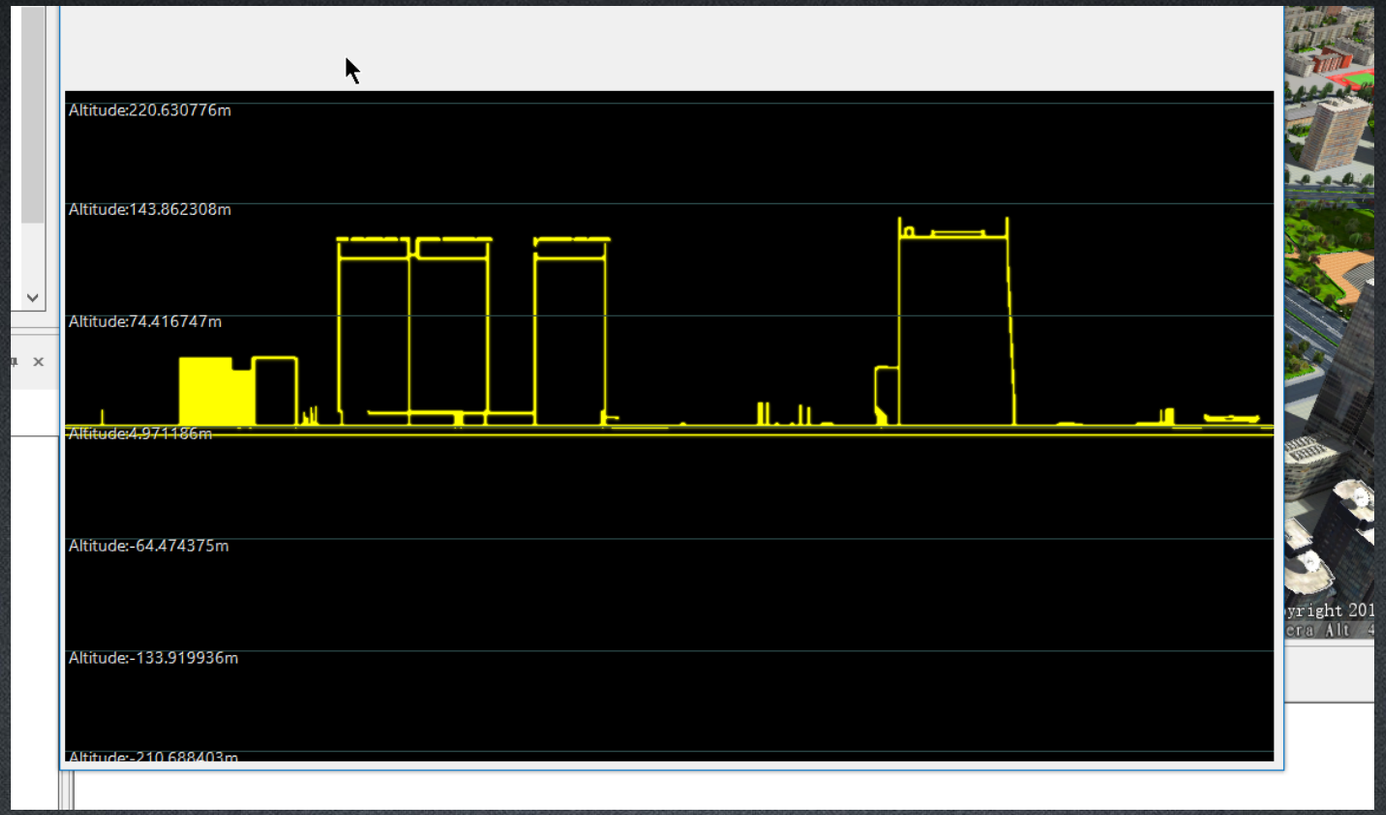
Sunlight Analysis

- This analysis is used to calculate the duration of sunlight in a period of time within an extent defined by longitude and latitude.



Profile Analysis

- Profile shows the change of elevation along the line (section).



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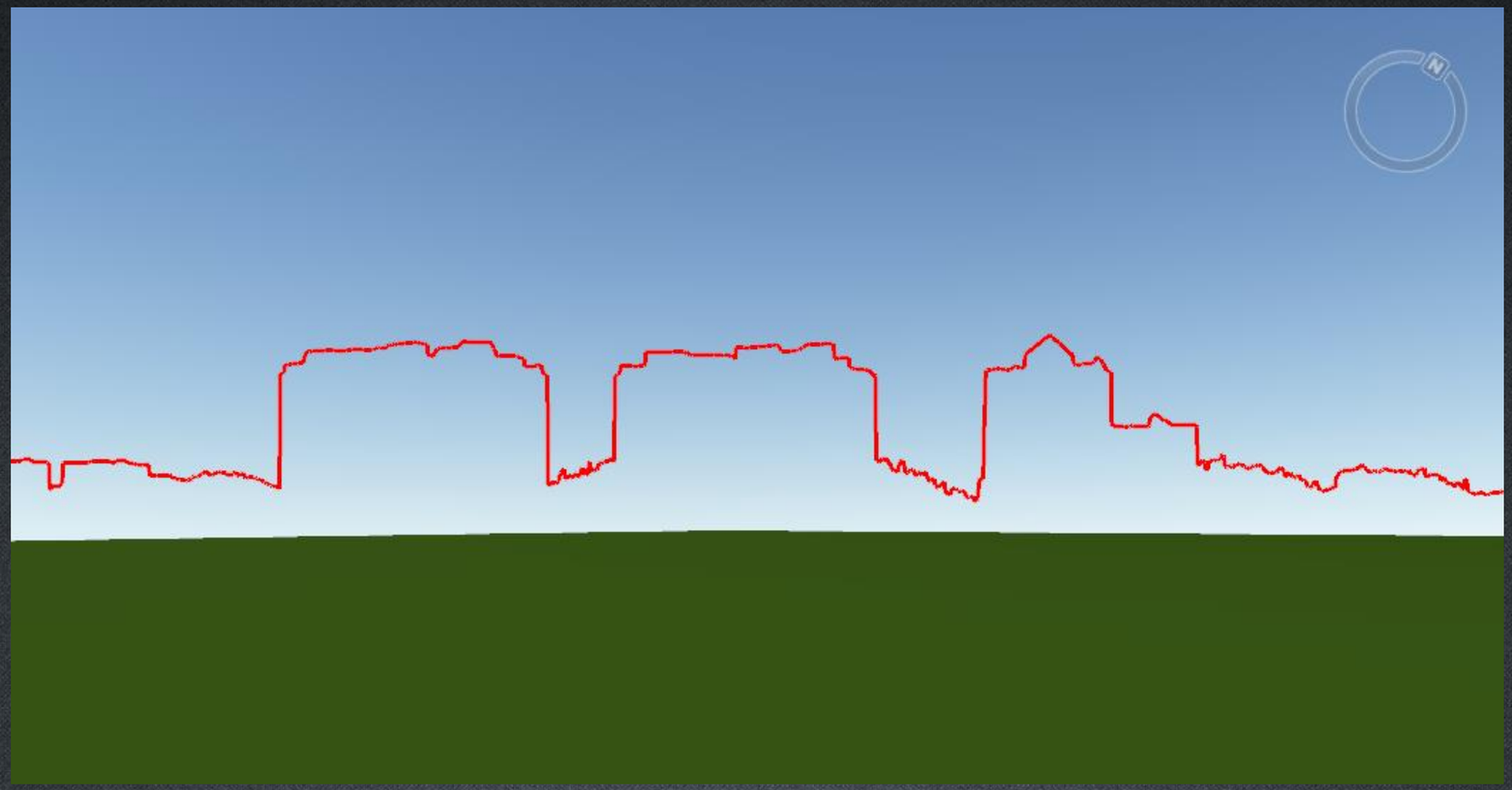
Skyline Analysis

- This function will allows the generation of the boundary between the building tops and the sky from the observer point.



Thank You!

Website: www.supermap.com

Email: globalsupport@supermap.com

Skype: supermapsupport

MSN: globalsupport@supermap.com

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