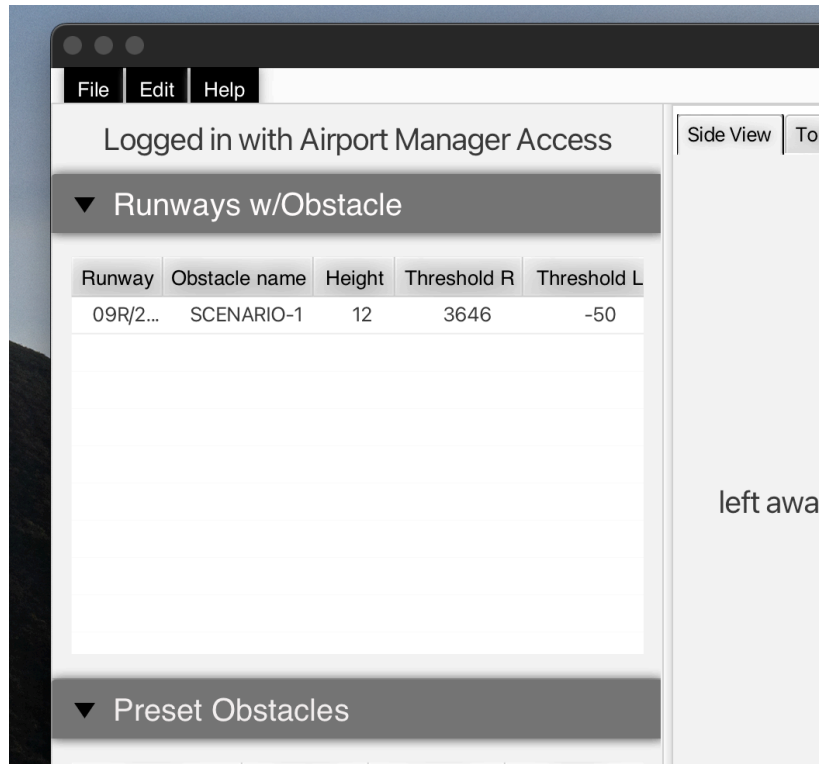


USER MANUAL

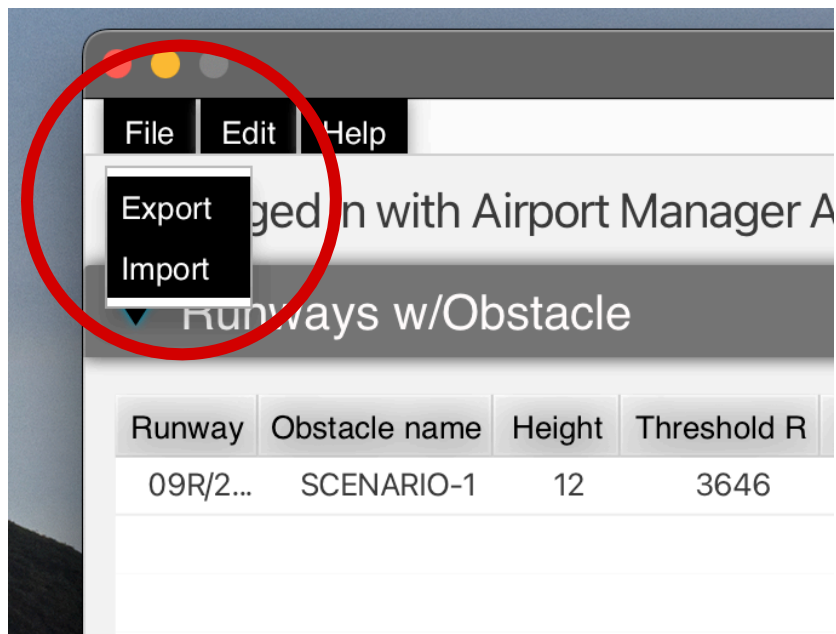
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1. How to navigate the Menu
 - a. Importing and Exporting:
 - i. Login as Airport Manager.
 - ii. Direct your view to the top left of the page.

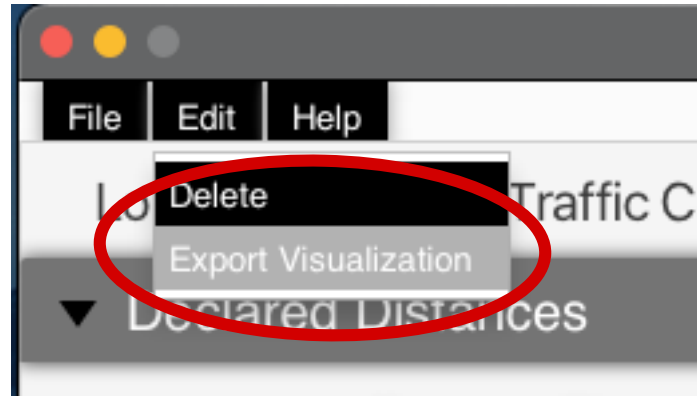


- iii. Click on the "File" button.



- iv. Now you can either select import/export depending on what you wish to do.

- b. Exporting visualization
 - i. Locate yourself to the top left of the page



- ii. Click on the option called "Export Visualization"

2. Viewing of Data/Values

a. Declared Distances:

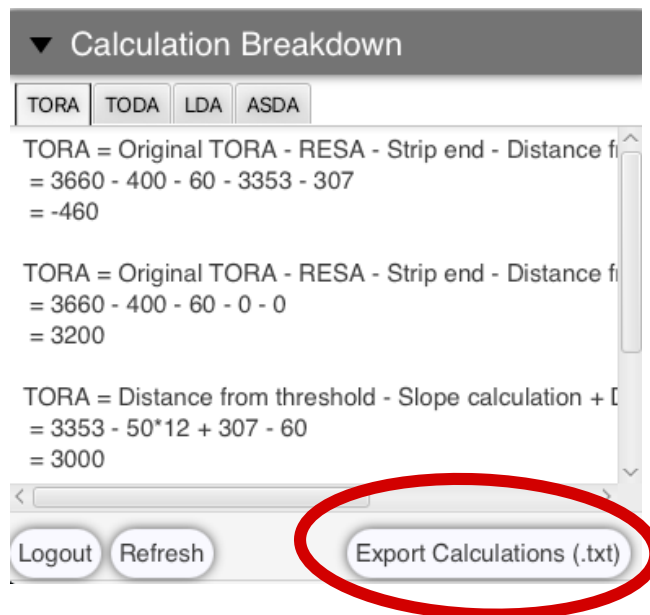
- i. Direct your view to the top left pane of the page titled "Declared Distances".
- ii. Here you can see the values of the "Original Distances" as well as the "Recalculated Distances" for both the take off away and take off towards.
- iii. You can sort the values in order of descending/ascending simply by interacting with the small triangle next to the title of the table.

b. Calculation Breakdown:

- i. Direct your view to the bottom left pane of the page titled "Calculation Breakdown".
- ii. Here you can view the calculations and the formulas used to calculate the final values.
- iii. You can also switch between tabs of TORA, TODA, LDA, and ASDA simply by interacting/clicking on the menu above where the calculations are shown.

c. Exporting Calculations

- i. Locate yourself to the bottom left of the screen right below the “Calculation Breakdown” Table

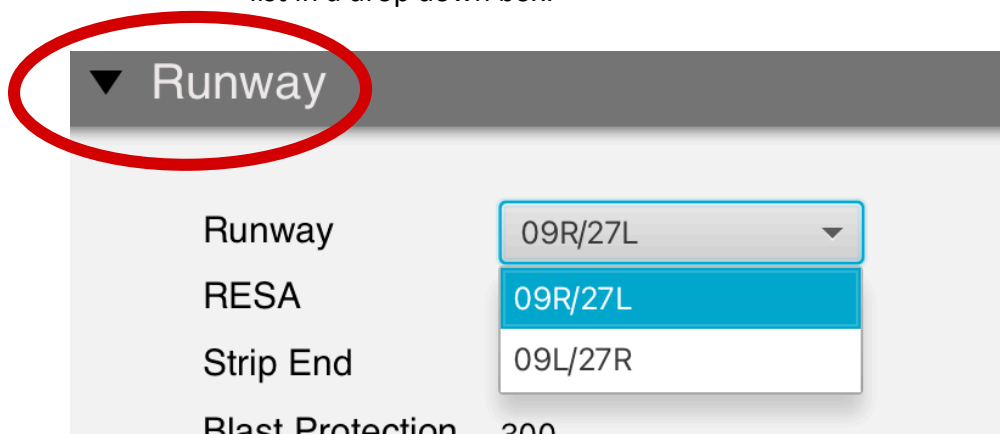


- ii. If you wish to export the calculations to a text file, click on the button labelled “Export Calculations (.txt)”

3. Runway

a. Selecting Runway:

- i. Navigate yourself to the top left pane of the page labelled “Runway”.
- ii. Here you can select the desired runway simply by selecting from a list in a drop down box.



- iii. Then you can view all the fixed data below the drop down box.
- iv. Here you can view the **DATA**.
- v. You are also able to sort the values in order of ascending/descending simply by interacting with the triangle next to the titles on the table itself.

4. Obstacle

a. Viewing obstacle data/values:

- i. Direct yourself to the bottom right pane of the page.
- ii. Here you can view values such as the obstacle name, height, width, length as well as the distances.

5. Main Visualization

a. Side View:

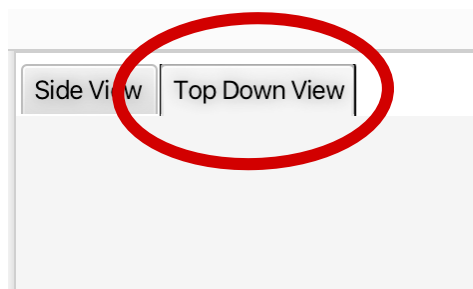
- i. Navigate yourself to the top of the middle pane on the page.



- ii. Select "Side View".
- iii. Here you are able to see the selected runway as well as the direction it is facing from a side view.
- iv. You can also change the view by clicking the "View Right" button at the bottom of the pane.

b. Top Down View:

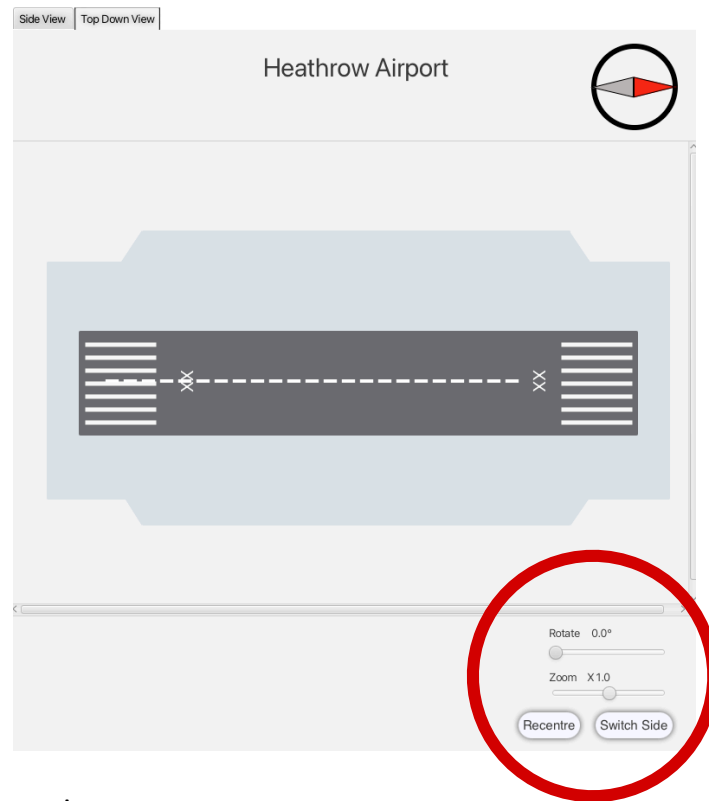
- i. Navigate yourself to the top of the middle pane on the page.



- ii. Select "Top View".
- iii. Now you are able to see the selected runway as well as the direction it is facing from a top down view.
- iv. You can also change the view by clicking the "View Right" button at the bottom of the pane.

c. Zoom/Rotate

- i. Once you are in the top down View of the visualization, you are able to control the rotation and zoom level of the runway



d. Protanopia

- i. On the bottom right of the screen below the "Obstacle" table, you are able to toggle on the colour blind mode

